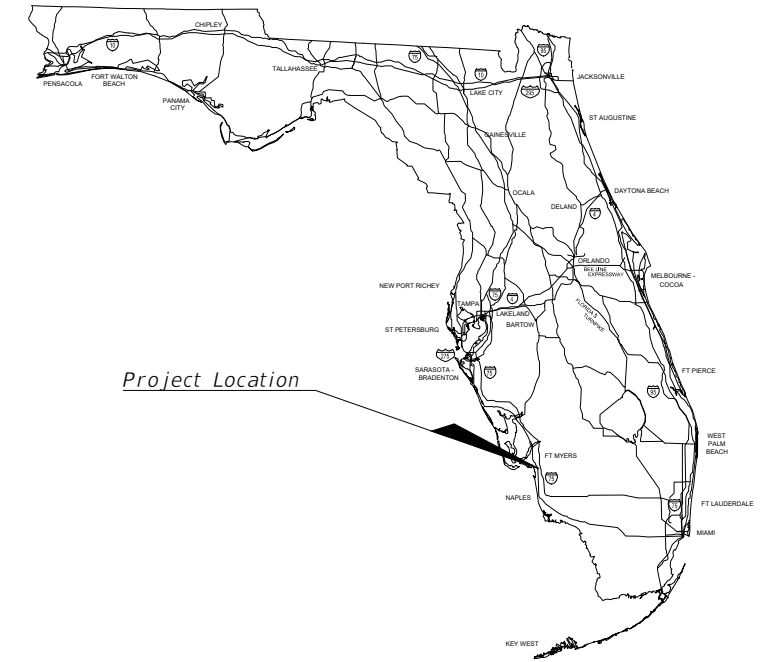


VILLAGE OF ESTERO

CONSTRUCTION PLAN SET

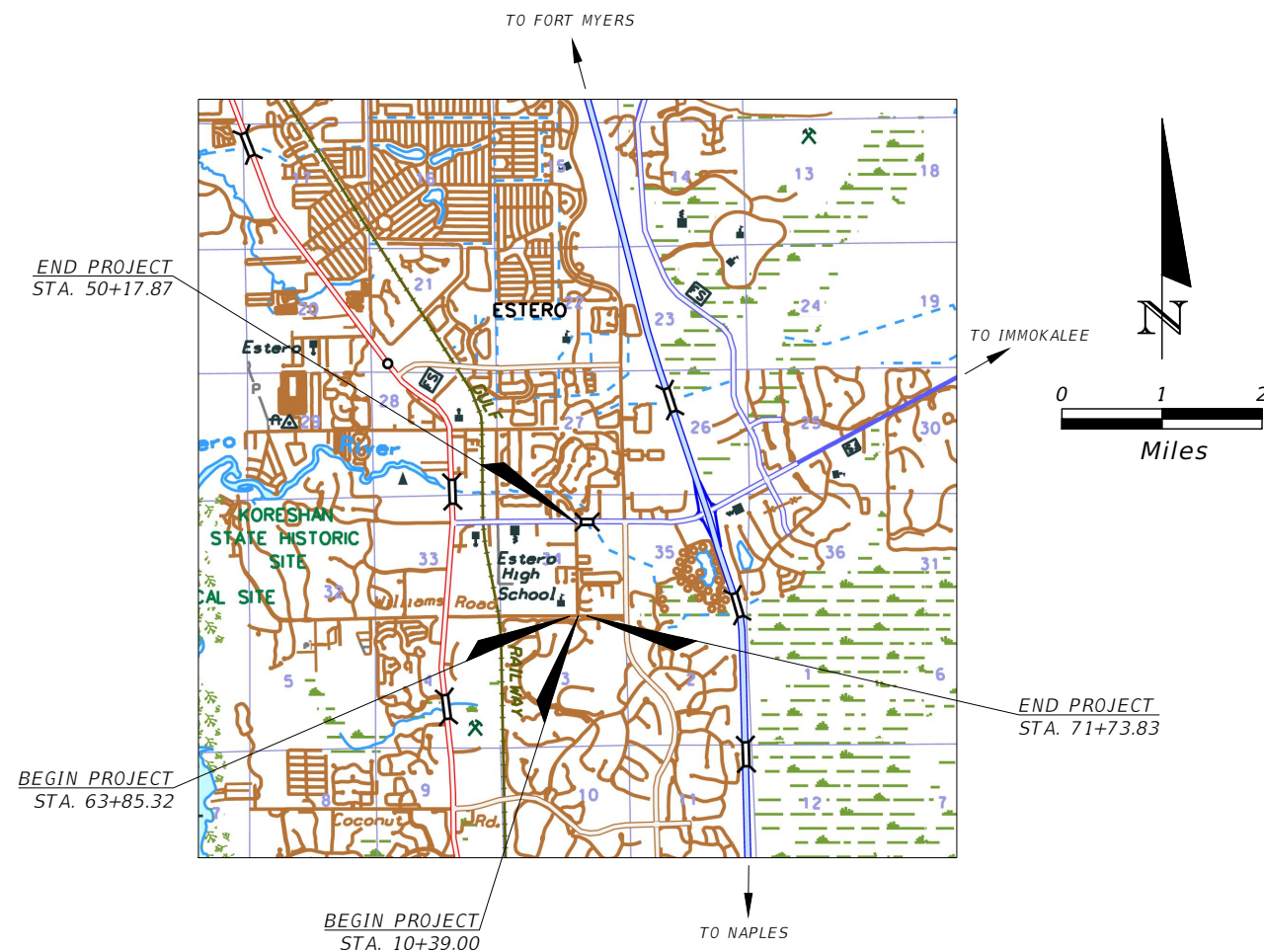
CW3 PROJECT NUMBER 19-0046



INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
01	KEY SHEET
02	GENERAL NOTES
03	DRAINAGE BASIN MAP
04 - 06	TYPICAL SECTION
07 - 10	SUMMARY OF DRAINAGE STRUCTURES
11	SUMMARY OF DRIVEWAYS
12 - 13	PROJECT LAYOUT
14 - 23	ROADWAY PLAN AND LEFT PROFILE
24 - 33	PATHWAY LAYOUT PLAN AND RIGHT PROFILE
34 - 49	INTERSECTION LAYOUT/DETAILS
50 - 51	DRIVEWAY DETAILS
52 - 83	CROSS SECTIONS
84 - 88	EROSION CONTROL PLAN
89 - 98	UTILITY ADJUSTMENTS
99 - 106	SIGNING AND PAVEMENT MARKING PLAN
107 - 108	STANDARD UTILITY DETAILS

RIVER RANCH RD. ROADWAY IMPROVEMENTS



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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

ROADWAY PLANS
ENGINEER OF RECORD:

CLAIR WRIGHT, III, P.E.
P.E. No.: 64089
CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917



GOVERNING STANDARD PLANS:
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>

APPLICABLE IRs: IR536-001-01, IR521-001-01

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

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

LEE COUNTY UTILITIES SPECIFICATIONS:
Lee County Utilities Water & Wastewater Technical Specifications, April, 2019 at the following website:
<https://www.leegov.com/utilities/Documents/New%20Development/Technical%20Specifications/2019%20Tech%20Specs.pdf>

SHEET NO.

01

GENERAL NOTES:

- ALL ELEVATIONS REFER TO VERTICAL DATUM AS INDICATED ON THE SURVEY PROVIDED HEREIN; N.A.V.D. 88 BY BANKS ENGINEERING.
- RIGHT OF WAY DEPICTED ON PLANS IS BASED UPON SPECIFIC PURPOSE SURVEY FOR RIVER RANCH ROAD PREPARED BY HOLE MONTES, DATED 08/01/2008.
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS (AS WELL AS DOCUMENT EXISTING CONDITIONS) OF THE SITE TO VERIFY ALL CHARACTERISTICS THAT ARE PRESENT, HE/SHE SHALL UNDERSTAND THE DEMOLITION AREAS AND THE REQUIREMENTS FOR REMOVAL FOR ITEMS SUCH AS BUT NOT LIMITED TO: ALL PAVEMENT, SURFACE STRUCTURES, VEGETATION, TREES, UTILITIES (ABOVE & BELOW GROUND), ETC. VERIFICATION OF LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES (WATER, SEWER, POWER, TELEPHONE, CABLE, GAS, ETC.) AND DRAINAGE TO BE CONNECTED TO SHALL BE CONDUCTED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ALL POTENTIAL CONFLICTS BETWEEN EXISTING AND PROPOSED FEATURES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES IN THESE CONSTRUCTION PLANS ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION. PRIOR TO THE START OF ANY CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY PROTECTION OR RELOCATION TO THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE PROTECTION OR RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL WITH NO ADDITIONAL COMPENSATION ALLOWED. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN AND MAKE HIS/HER BID BASED ON THOSE VERIFICATIONS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SUCH.
- ANY PRIVATE OR PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS. AT NO ADDITIONAL COST THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES TO A CONDITION EQUAL OR BETTER THAN EXISTING, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL UTILIZE A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA TO LOCATE AND FLAG ALL PROPERTY CORNERS PRIOR TO CONSTRUCTION AND FINAL ENGINEERING INSPECTION AND CERTIFICATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE PROPERTY CORNERS, WHICH HAVE BEEN LOST DURING CONSTRUCTION, REESTABLISHED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA. ALL (P.R.M.S) IRONS AND MONUMENTS SHOWN ON THE PLANS OR FOUND SHALL BE PRESERVED WITHIN LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF ANY CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER WITHOUT DELAY.
- ALL DISTURBED AREAS ARE TO BE SODDED, UNLESS OTHERWISE NOTED ON THE LANDSCAPE PLANS, TO FOOT SPECIFICATIONS. ALL SOD IS TO BE MAINTAINED AND IRRIGATED BY CONTRACTOR UNTIL DEEMED ACCEPTED BY THE OWNER, REGULATORY AGENCIES AND ENGINEER OF RECORD. ANY WASHOUTS, REGRADING, RESODDING, AND GRASSING WORK, AND OTHER EROSION WORK REQUIRED, WILL BE PERFORMED AT NO ADDITIONAL COST BY THE CONTRACTOR, UNTIL THE SYSTEM IS ACCEPTED BY THESE PERSONNEL.
- CONTRACTOR TO PROVIDE APPROPRIATE EROSION CONTROL MEASURES TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH GRASS OR SUITABLE EROSION PROTECTION TREATMENT. IF APPLICABLE, APPROVED STORMWATER POLLUTION PREVENTION AND/OR EROSION CONTROL PLAN MUST BE COMPLIED WITH.
- THESE DRAWINGS DO NOT INCLUDE INSTRUCTIONS FOR THE CONTRACTOR REGARDING CONSTRUCTION SAFETY OF THE PUBLIC AND THE SAFETY OF HIS PERSONNEL DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT. ALL SAFETY REGULATIONS ARE TO BE ADHERED TO AND ENFORCED BY THE CONTRACTOR OR THEIR REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE PUBLIC AND THE SAFETY OF HIS PERSONNEL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE VILLAGE OF ESTERO AND EOR A SIGNED & SEALED MAINTENANCE OF TRAFFIC CONTROL PLAN (TCP) FOR ALL CONSTRUCTION WITHIN PRIVATE AND/OR VILLAGE OF ESTERO RIGHT OF WAY. NO LANE CLOSURES PERMITTED AT OR BETWEEN THE ESTERO HIGH SCHOOL ENTRANCES BETWEEN THE HOURS OF 6:00AM TO 8:00AM OR 12:30PM TO 3:00PM. THE TCP SHALL BE CONSISTENT WITH FOOT STANDARD PLANS 102.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING, OR SHORING, AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. CONTRACTOR SHALL COMPLY WITH THE STATE OF FLORIDA "TRENCH SAFETY ACT".
- ALL PROPOSED DRAINAGE STRUCTURE GRATES AND COVERS WITHIN TRAFFIC AREAS SHALL BE STEEL AND TRAFFIC RATED FOR AND CAPABLE OF WITHSTANDING H-20 LOADINGS.
- THE CONTRACTOR IS TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER, AT ABUTMENT OF CONCRETE AND ANY STRUCTURE.
- THE CONTRACTOR IS REQUIRED TO ADJUST ALL VALVE BOXES, MANHOLE RIMS, ETC. AS NECESSARY TO MATCH PROPOSED GRADES. ALL ADJUSTMENTS SHALL BE MADE IN ACCORDANCE WITH LEE CO. UTILITIES AND FOOT STANDARD PLANS.
- ALL EXISTING DRAINAGE WITHIN VILLAGE OF ESTERO RIGHT OF WAY IS TO BE REMOVED UNLESS OTHERWISE NOTED.
- ALL EXISTING SIGNAGE WITHIN VILLAGE OF ESTERO RIGHT OF WAY IS TO BE REMOVED UNLESS OTHERWISE NOTED.
- ALL TRAFFIC MARKINGS SHALL BE THERMOPLASTIC.
- ALL UTILITY LINE (INCLUDING STORM) CLEAN OUT ACCESS PORTS IN HARDSCAPE AREAS (E.G. SIDEWALK) SHALL HAVE ADA COMPLIANT LIDS FLUSH WITH ADJACENT GRADES; ALL LIDS IN LANDSCAPED LOCATIONS SHALL BE PLACED IN A 2'X2' SQUARE 4" THK. CONCRETE PAD. (SEE DETAIL)
- UNLESS OTHERWISE NOTED, ALL SANITARY UTILITY RELATED CONSTRUCTION, MATERIALS, TESTING AND RECORD KEEPING SHALL CONFORM TO ALL APPLICABLE DEP, LCU AND VILLAGE OF ESTERO STANDARDS AND SPECIFICATIONS.
- CONTRACTOR IS TO CONTACT THE UTILITY COMPANY AND ENGINEER TO SET UP A PRECONSTRUCTION MEETING PRIOR TO STARTING CONSTRUCTION.
- ALL FITTINGS ARE NOT SHOWN FOR CLARITY, THE UTILITY LINE CONFIGURATIONS ARE SHOWN FOR LOCATION AND SIZE. PROPOSED FORCE MAIN FITTINGS ARE SHOWN AT BENDS IN MAINS. ADDITIONAL FITTINGS MAY BE REQUIRED TO BEND MAINS AS SHOWN. ADDITIONAL FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE MAINS AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THE FITTINGS. CONTRACTOR MAY DEFLECT PROPOSED MAINS TO ROUTE PIPES AS SHOWN, HOWEVER NO DEFLECTIONS SHALL EXCEED ALLOWABLE DEFLECTION LIMITS SET FORTH BY PIPE MANUFACTURER.
- UTILITY PIPE LENGTHS ARE APPROXIMATE AND ARE MEASURED CENTER TO CENTER.
- ALL CLEAN-OUTS AND VALVES WILL HAVE A CONCRETE PAD AND COVER FLUSH WITH PROPOSED GRADE. (SEE DETAILS)
- UNLESS SPECIFICALLY SHOWN, GRAVITY SEWERS OR FORCE MAINS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER AND JOINTS AND WATER JOINTS WILL BE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 10" BETWEEN ANY 2 JOINTS WHERE THE MINIMUM 18" SEPARATION CANT BE MAINTAINED, THE SEWER SHALL BE PLACED IN A SLEEVE OR INCASED IN CONCRETE FOR 20' CENTERED ON THE POINT OF CROSSING.
- SHOP DRAWINGS FOR ALL WATER AND SEWER SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- IF THE CONTRACTOR CHOOSES TO IMPLEMENT APPURTENANCES OR TECHNIQUES SUCH AS TRENCH BOXES, SHEET PILING, DEWATERING, FLATTEN TRENCH SLOPES, ETC. TO FACILITATE CONSTRUCTION, THESE ITEMS SHALL BE INCORPORATED INTO THE COST OF THE RELATED AVAILABLE PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE MADE BY THE VILLAGE OF ESTERO.
- THE CONTRACTOR SHALL FILE A NOTICE OF INTENT WITH FDP AND THE VILLAGE OF ESTERO A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- NO DEWATERING IS ANTICIPATED FOR THE PROPOSED CONSTRUCTION. IN THE EVENT DEWATERING IS REQUIRED THE CONTRACTOR SHALL APPLY FOR ALL APPLICABLE WATER USE PERMITS AT THAT TIME. CONTRACTOR SHALL INCLUDE ALL COSTS FOR ANY DEWATERING AND/OR PERMITS NECESSARY FOR THE PROJECT AND SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO SEPARATE DEWATERING PAYMENT WILL BE MADE.
- ALL PROPOSED UTILITIES INCLUDING SEWER FORCE MAINS AND GRAVITY MAINS WILL BE OWNED AND MAINTAINED BY THE VILLAGE OF ESTERO.
- AT THE SITE KEEP AND MAINTAIN ONE RECORD COPY OF ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND ALL TECHNICAL DOCUMENTS SUBMITTED IN GOOD ORDER. AS THE WORK PROGRESSES THE CONTRACTOR IS TO RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS.

* CONTRACTOR TO CONFIRM EASEMENT SHOWN IN THE PLANS HAS BEEN ACQUIRED BY THE VILLAGE OF ESTERO PRIOR TO THE START OF CONSTRUCTION.

LEE COUNTY UTILITY NOTES:

- ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OUR WEB-PAGE VIA THE FOLLOWING LINK: <https://www.lee.gov.com/utilities/design-manual>
- THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS.
- ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
- ALL CONSTRUCTION PERFORMED MUST BE DONE BY A CONTRACTOR PROPERLY LICENSED IN THE STATE OF FLORIDA.
- A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO; THE ENGINEER OF RECORD OR HIS DESIGNEE, THE UNDERGROUND CONTRACTOR AND THE LCU INSPECTOR ASSIGNED TO THE PROJECT. LCU IS TO BE NOTIFIED A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS MUST BE MAINTAINED BY THE CONTRACTOR AT THE SITE AT ALL TIMES.
- ANY AND ALL WORK AND MATERIALS INSTALLED BY THE CONTRACTOR THAT ARE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS AND WHICH DO NOT HAVE PRIOR LCU WRITTEN APPROVAL, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ANY WORK PERFORMED ON INFRASTRUCTURE INTENDED FOR OWNERSHIP AND MAINTENANCE BY LCU WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
- LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START-UPS, AND FOR ANY OTHER NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS' NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE WITH THE EXCEPTION OF THE LIFT STATION START-UP WHICH REQUIRES A MINIMUM OF TWO-WEEK'S NOTICE.
- THE CONTRACTOR IS TO UNCOVER ALL EXISTING LCU UTILITY INFRASTRUCTURE TO VERIFY HORIZONTAL LOCATION, VERTICAL LOCATION, PIPE DIAMETER, AND PIPE MATERIAL PRIOR TO SCHEDULING THE CONNECTION WITH LCU.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF AT LEAST TWO (2) WORKING DAYS' NOTICE TO THE INDIVIDUAL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND LCU IMMEDIATELY TO REPORT ANY CONFLICT WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
- ALL FRAMES, COVERS, VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-CAST VALVE PADS WILL BE ACCEPTED.
- LCU REQUIRES 30" MINIMUM OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHICH REQUIRES 36" MINIMUM COVER. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, ALTERNATE METHODS OF CONSTRUCTION OR PIPE PROTECTION MUST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.
- LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S), FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.
- LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.
- THE TRUNK OF PALM TREES SHALL BE A MINIMUM OF FIVE (5) FEET AND THE TRUNK OF SHADE TREES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.
- AS THE WORK PROGRESSES THE CONTRACTOR SHALL PROVIDE FOR ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS TO BE RECORDED. THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT SHALL BE RECORDED WITH X, Y, AND Z COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM, AS WELL AS ANY OTHER RECORD INFORMATION REQUIRED BY THE LCU DESIGN MANUAL.

KNOWN UTILITIES:

WATER & SEWER:
LEE CO. UTILITIES
1500 MONROE STREET
FORT MYERS, FL 33901
(239) 533-8181

GAS:
TECO GAS
5901 ENTERPRISE PKWY
FT MYERS, FL 33905
(239) 690-5513

PHONE:
CENTURY LINK
2820 CARGO ST.
FORT MYERS, FL 33916
(239) 336-2020

IRRIGATION:
RCS BROOKS WATER SYSTEM
9990 COCONUT ROAD
BONITA SPRINGS, FL 34135
(239) 495-5805

UTILITY LOCATION SERVICE:
SUNSHINE STATE ONE CALL CENTER
(239) 432-4770
(MINIMUM 48 HOURS NOTICE REQUIRED)

FIBER COMMUNICATION:
CROWNCastle
13721 JETPORT COMMERCE PKWY, SUITE 1
FORT MYERS, FL 33913
(855) 913-4237

CABLE:
COMCAST
4750 WINKLER AVE.
FORT MYERS, FL 33901
(239) 432-1800

TRAFFIC SIGNALS:
LEE CO. TRAFFIC DEPT.
5050 ENTERPRISE PKWY
FORT MYERS, FL 33905
(239) 533-9500

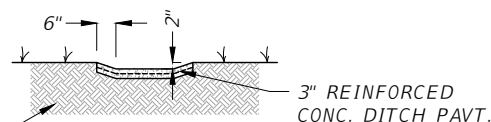
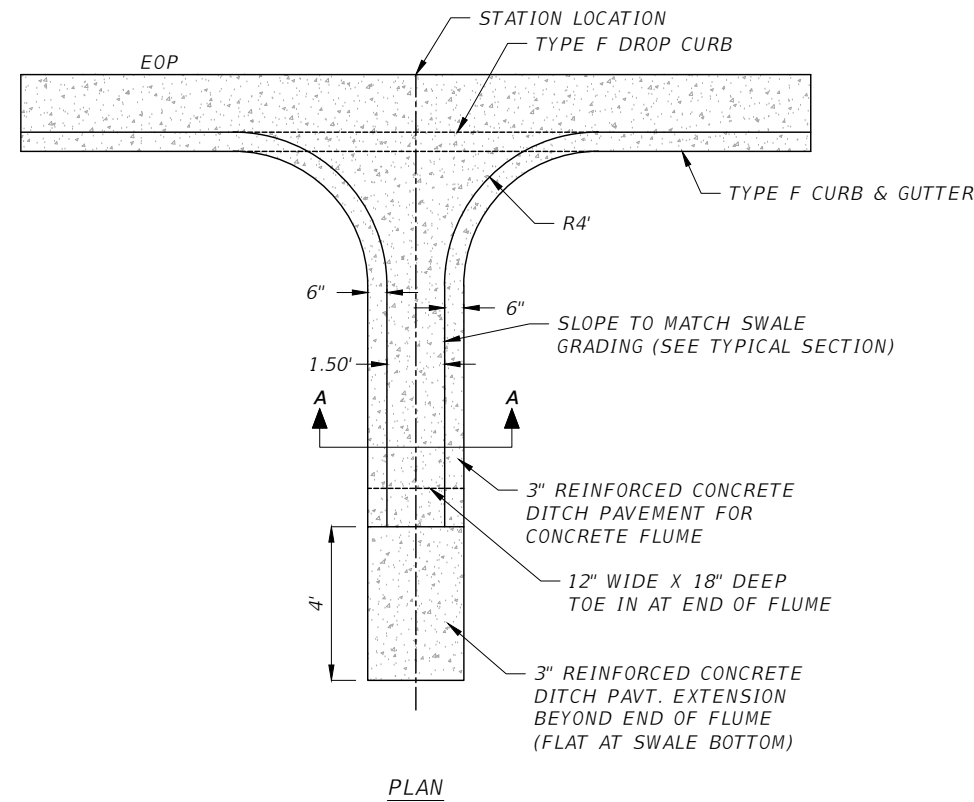
POWER:
FLORIDA POWER & LIGHT
15834 WINKLER RD.
FT. MYERS, FL 33908
(239) 415-1236

FIRE:
ESTERO FIRE RESCUE
21500 THREE OAKS PKWY.
ESTERO, FL 33928
(239) 390-8000



UTILITY COORDINATION NOTES:

- UTILITY COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY FOR CONSTRUCTION, TESTING, INSPECTION AND CERTIFICATION.
- THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE-CALL OF FLORIDA, INC. (1-800-432-4770) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN (2) FULL BUSINESS DAYS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION ON THE JOB SITE.



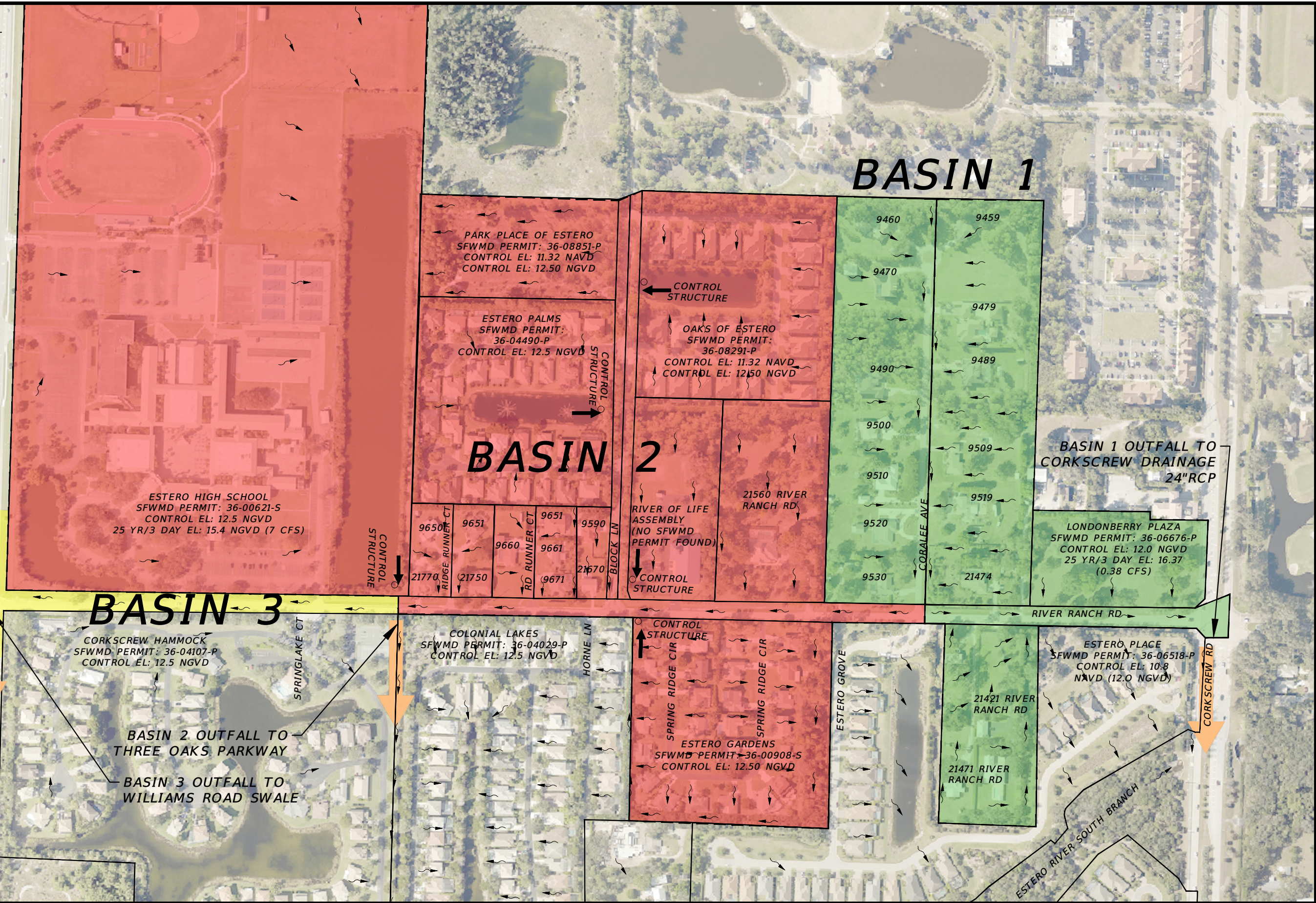
COMPACT TO 98% MAXIMUM DENSITY AS DETERMINED BY T-99, MODIFIED PROCTOR

SECTION A-A

REVISIONS				CW3 ENGINEERING, INC. 5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089	RIVER RANCH RD. ROADWAY IMPROVEMENTS		SHEET NO. GENERAL NOTES & DETAILS 02
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #	
				VILLAGE OF ESTERO	19-0046		

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

1" = 300'



REVISIONS	
DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

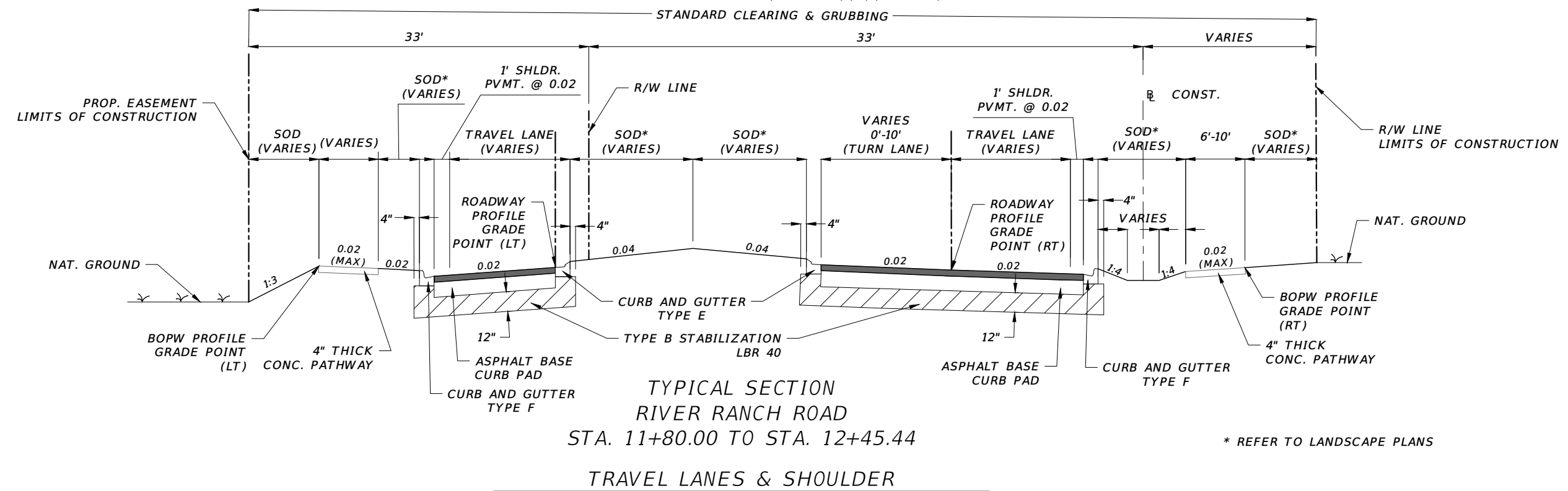
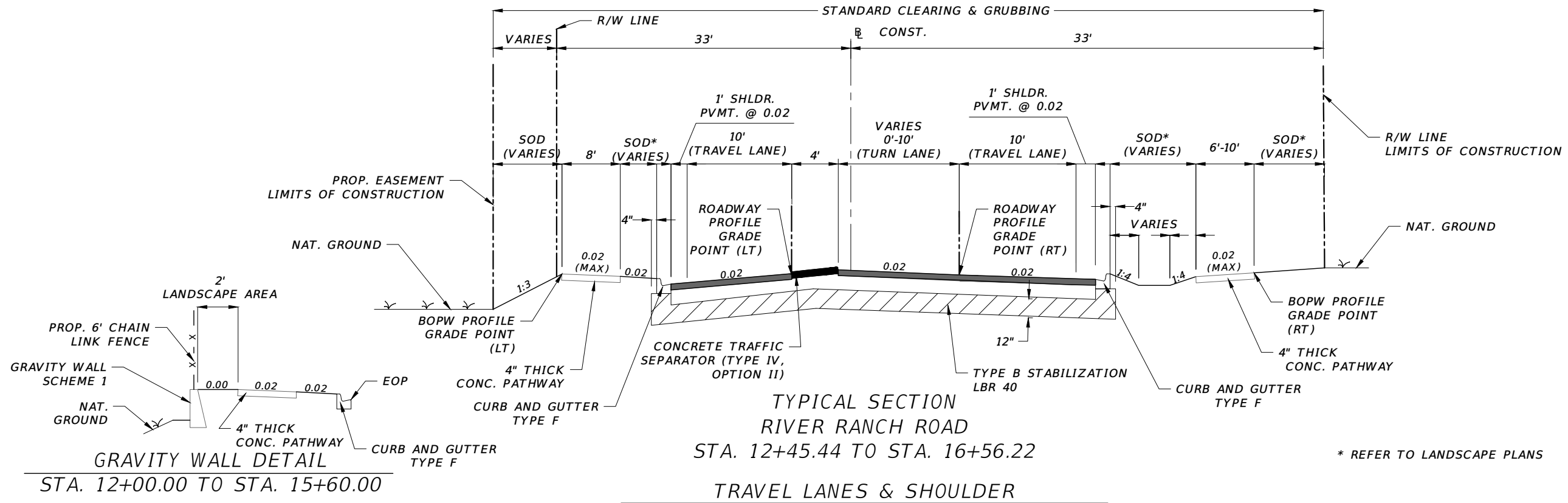
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO
 PROJECT #: 19-0046

DRAINAGE BASIN MAP

SHEET NO. 03

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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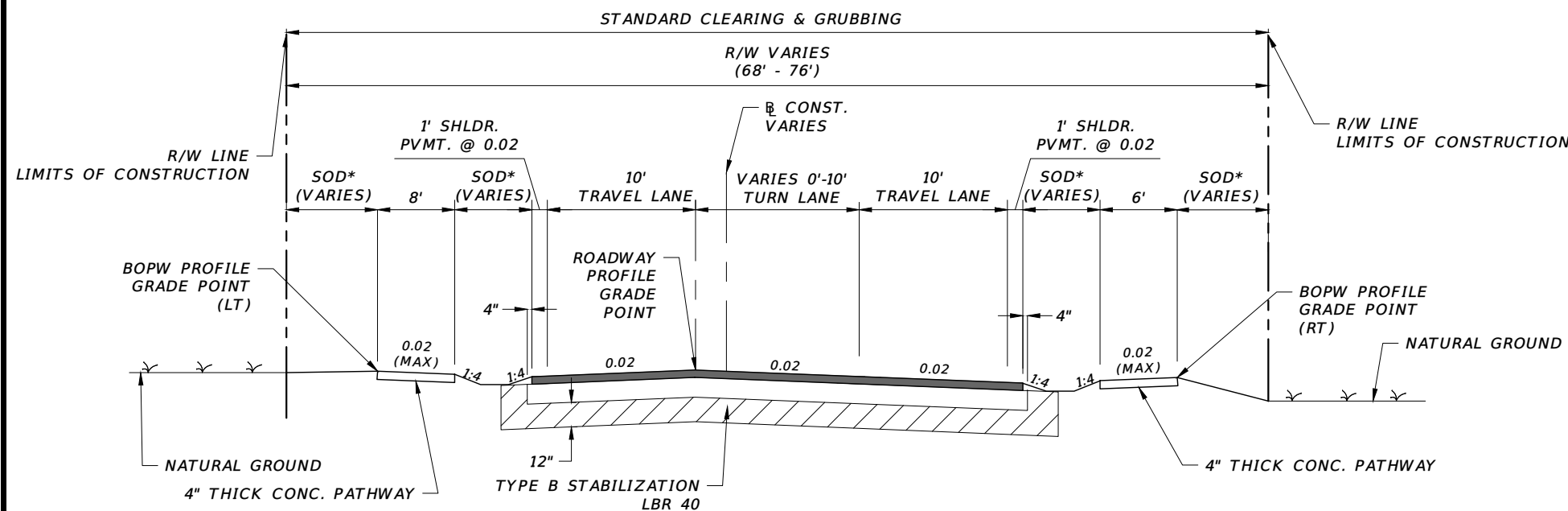
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

TYPICAL SECTION

SHEET NO.
04

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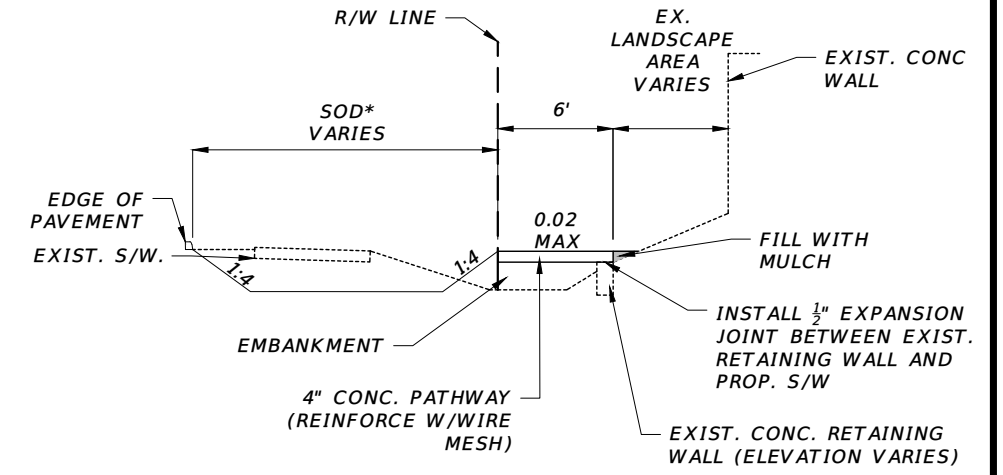


TYPICAL SECTION
RIVER RANCH ROAD
STA. 21+07.83 TO STA. 49+78.41

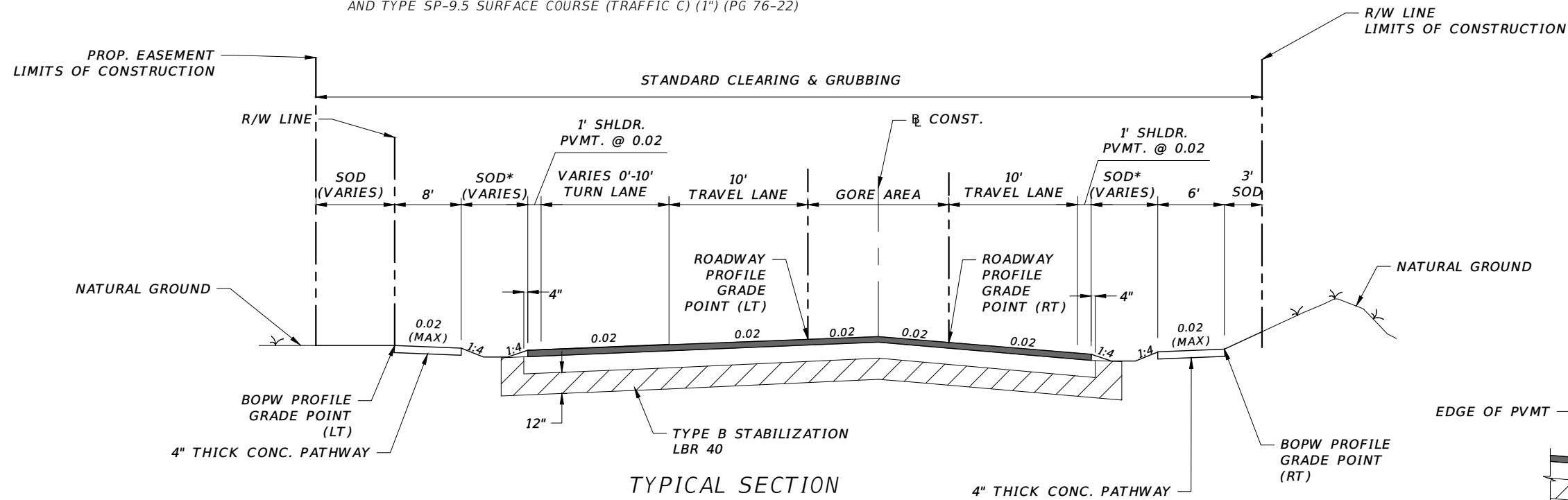
TRAVEL LANES & SHOULDER

OPTIONAL BASE GROUP 6
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5") WITH (PG 76-22)
AND TYPE SP-9.5 SURFACE COURSE (TRAFFIC C) (1") (PG 76-22)

* REFER TO LANDSCAPE PLANS



SPECIAL DETAIL
STA 48+30.77 TO STA 49+20.49

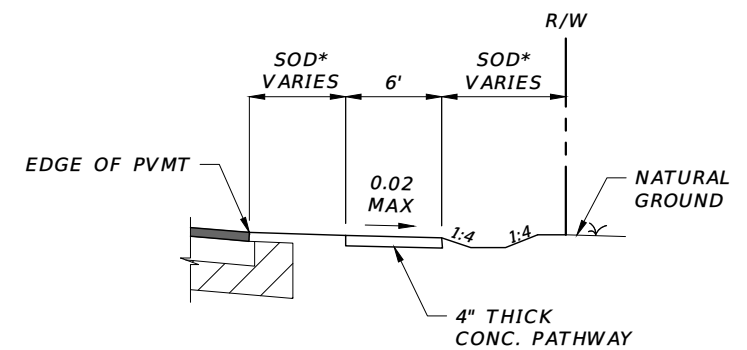


TYPICAL SECTION
RIVER RANCH ROAD
STA. 16+56.22 TO STA. 21+07.83

TRAVEL LANES & SHOULDER

OPTIONAL BASE GROUP 6
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5") WITH (PG 76-22)
AND TYPE SP-9.5 SURFACE COURSE (TRAFFIC C) (1") (PG 76-22)

* REFER TO LANDSCAPE PLANS



SPECIAL DETAIL
STA 30+80.00 TO STA 35+80.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

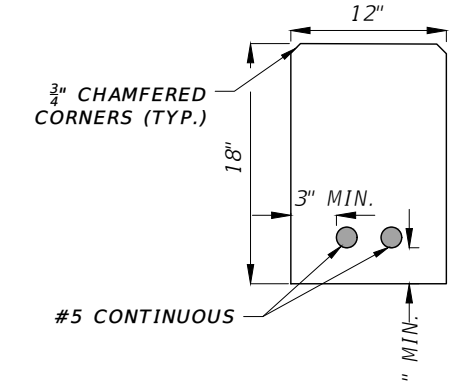
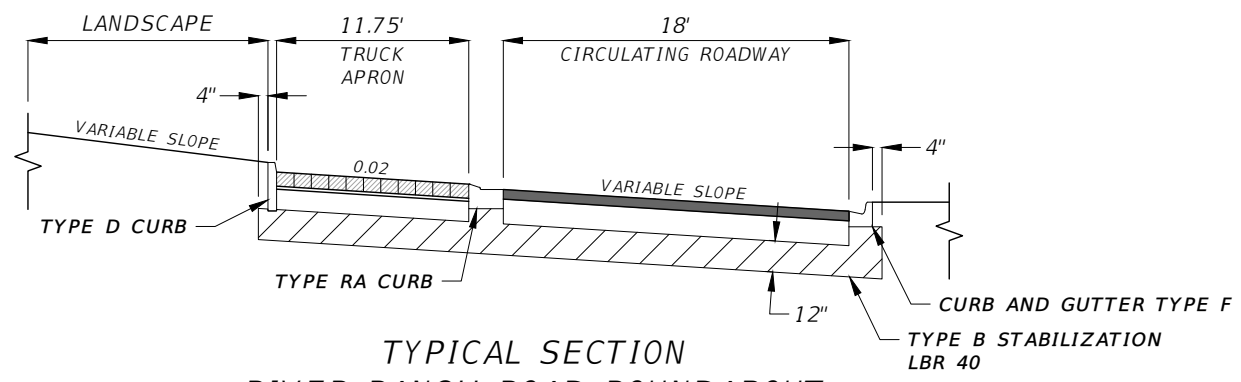
CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
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PH. 239-205-6473
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CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
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TYPICAL SECTION

SHEET NO.
05

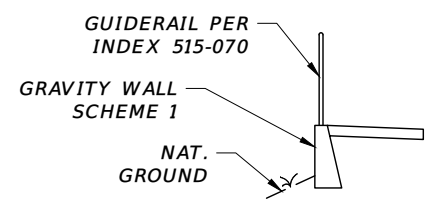
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION
RIVER RANCH ROAD ROUNDABOUT

RIBBON CURB DETAIL

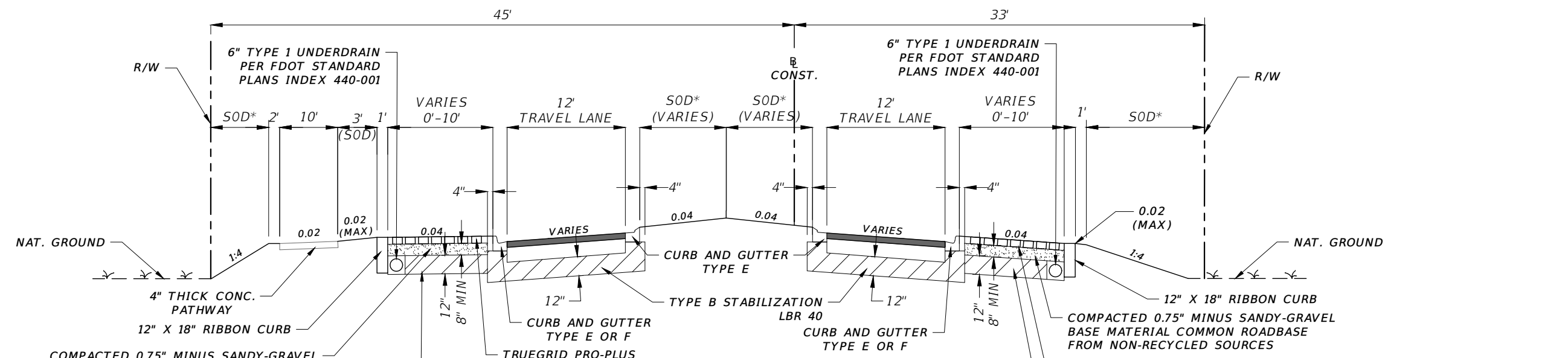
SCALE: N.T.S.



GRAVITY WALL DETAIL
STA. 69+10.00 TO STA. 69+90.00

CIRCULATING ROADWAY
OPTIONAL BASE GROUP 6
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5") WITH (PG 76-22)
AND TYPE SP-9.5 SURFACE COURSE (TRAFFIC C) (1") (PG 76-22)

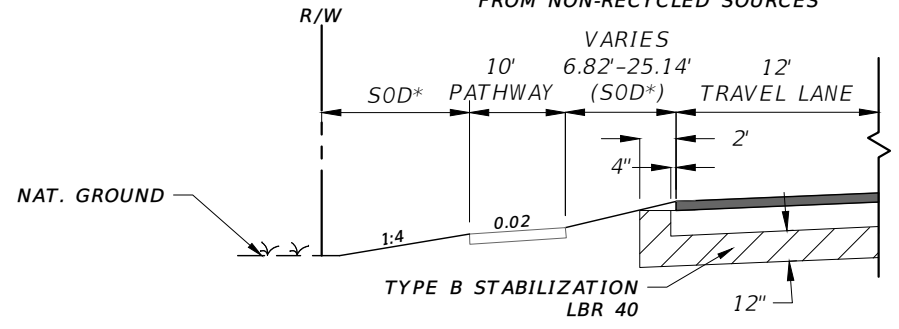
TRUCK APRON
OPTIONAL BASE GROUP 6
1" BEDDING SAND
PAVERS



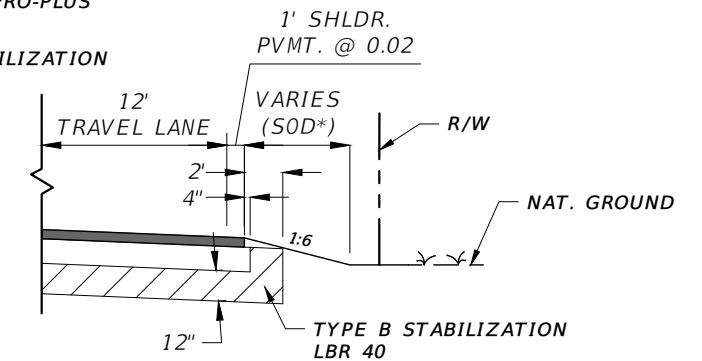
TYPICAL SECTION
WILLIAMS ROAD
STA. 63+85.32 TO STA. 71+73.83

TRAVEL LANES & SHOULDER
OPTIONAL BASE GROUP 6
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5") WITH (PG 76-22)
AND TYPE SP-9.5 SURFACE COURSE (TRAFFIC C) (1") (PG 76-22)

* REFER TO LANDSCAPE PLANS



RURAL SECTION DETAIL (LEFT)
STA. 63+85.32 TO STA. 65+64.44
STA. 70+25.19 TO STA. 71+73.83



RURAL SECTION DETAIL (RIGHT)
STA. 63+85.32 TO STA. 64+88.08
STA. 69+61.97 TO STA. 71+73.83

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917
PH. 239-205-6473
WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

TYPICAL SECTION

SHEET NO. 06

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

SUMMARY OF DRAINAGE STRUCTURES

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BRLS	STORM DRAIN						CURB INLETS				MANHOLES		DBI'S		YARD DRAIN	MITERED END SECTION			ADJ. DRAIN STR.	MOD. DRAIN STR.	TRENCH DRAIN	REMARKS				
						PVC		RCP				P-5	P-6	J-5	J-6	P-7	J-7	TYPE C	TYPE D		18"	24"	36"								
						8"	18"	24"	30"	36"	48"	<10'	<10'	<10'	<10'	<10'	<10'	<10'	<10'												
P	S-001	65+65.74	LT	INLET, PIPE	1		63										1														
F																															
P	S-002	66+25.55	LT	MES, PIPE	1																										
F																															
P	S-003	10+49.30	LT	MES, PIPE	1																										
F								116																							
P	S-004	10+49.03	RT	MES, PIPE	1																										
F																															
P	S-100	66+94.17	LT	MES, PIPE	1																										
F								21																							
P	S-100A	67+15.00	LT	INLET, PIPE	1																										
F																															
P	S-100B	67+15.00	RT	MES, PIPE	1																										
F								86																							
P	S-101	11+54.50	RT	INLET, PIPE	1																										
F																															
P	S-102	11+67.00	RT	MES	1																										
F																															
P	S-103	12+60.00	LT	INLET, PIPE	1																										
F																															
P	S-104	12+60.00	LT	INLET, PIPE	1																										
F																															
P	S-105	12+60.00	RT	INLET, PIPE	1																										
F																															
P	S-106	13+79.08	LT	INLET, PIPE	1																										
F																															
P	S-107	13+74.28	RT	INLET, PIPE	1																										
F																															
P	S-108	15+00.00	RT	INLET, PIPE	1																										
F																															
P	S-109	15+30.00	LT	INLET, PIPE	1																										
F																															
P	S-110	17+00.00	RT	INLET, PIPE	1																										
F																															
P	S-111	18+23.00	RT	INLET, PIPE	1																										
F																															
P	S-112	18+40.00	LT	INLET, PIPE	1																										
F																															
P	S-113	20+00.00	LT	INLET, PIPE	1																										
F																															
P	S-114	20+00.00	RT	INLET, PIPE	1																										
F																															
P	S-115	20+70.00	RT	INLET, PIPE	1																										
F																															
P	S-200	22+02.50	RT	INLET, PIPE	1																										
F																															
P	S-201	22+40.00	LT	INLET, PIPE	1																										
F																															
P	S-202	22+52.00	RT	INLET, PIPE	1																										
F																															
P	S-203	23+60.00	LT	INLET, PIPE	1																										
F																															
P	S-204	23+60.00	RT	INLET, PIPE	1																										
F																															
P	S-205	24+41.00	LT	INLET, PIPE	1																										
F																															
P	S-206	24+41.00	LT	MH, PIPE	1																										
F																															
P	S-207	24+41.00	RT	MH, PIPE	2																										
F																															
P	S-208	24+41.00	RT	MES	2																										
F																															
P	S-209	25+31.00	LT	INLET, PIPE	1																										
F																															
P	S-210	25+68.00	LT	INLET, PIPE	1																										
F																															
SHEET TOTALS - PLAN QUANTITY							449	2237	163	54																					
SHEET TOTALS - FINAL QUANTITY																															

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 07

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

SUMMARY OF DRAINAGE STRUCTURES

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BRLS	STORM DRAIN						CURB INLETS				MANHOLES		DBI'S		YARD DRAIN	MITERED END SECTION			ADJ. DRAIN STR.	MOD. DRAIN STR.	TRENCH DRAIN	REMARKS				
						PVC		RCP				P-5	P-6	J-5	J-6	P-7	J-7	TYPE C	TYPE D		18"	24"									
						8"	18"	24"	30"	36"	48"	>10'	>10'	>10'	>10'	>10'	>10'	>10'	>10'												
P	S-211	25+90.00	RT	INLET, PIPE	1				149								1														
F																															
P	S-212	26+13.59	LT	INLET, PIPE	1			46									1												18" DEEP SUMP		
F																															
P	S-213	26+52.00	LT	INLET, PIPE	1			44									1														
F																															
P	S-214	26+87.00	LT	INLET, PIPE	1			37									1														
F																															
P	S-215	27+18.00	LT	INLET, PIPE	1			31									1														
F																															
P	S-216	27+30.01	RT	INLET, PIPE	1				140								1														
F																															
P	S-217	27+70.00	LT	INLET, PIPE	1			53									1														
F																															
P	S-218	28+33.00	LT	INLET, PIPE	1			65									1												18" DEEP SUMP		
F																															
P	S-219	28+55.00	RT	INLET, PIPE	1			125									1														
F																															
P	S-220	28+78.63	LT	INLET, PIPE	1			46									1												18" DEEP SUMP		
F																															
P	S-221	29+60.00	LT	INLET, PIPE	1			83									1														
F																															
P	S-222	30+22.50	RT	INLET, PIPE	1			168									1												24" SLOT		
F																															
P	S-223	30+40.00	LT	INLET, PIPE	1			81									1														
F																															
P	S-224	30+75.00	LT	INLET, PIPE	1			35									1														
F																															
P	YD-2A	30+78.00	RT	YARD DRAIN, PIPE	1	47												1													
F																															
P	S-225	31+25.00	RT	INLET, PIPE	1			103									1														
F																															
P	YD-2B	31+25.00	RT	YARD DRAIN, PIPE	1	11												1											YD-2A NOT USED		
F																															
P	S-225A	31+52.00	LT	MAN HOLE	1			77						1																	
F																															
P	S-225B	31+52.00	LT	MES, PIPE	1			11																							
F																															
P	S-226	31+70.71	LT	INLET, PIPE	1			19									1														
F																															
P	YD-2D	31+76.80	LT	YARD DRAIN, PIPE	1	13												1													
F																															
P	S-227	31+84.26	RT	INLET, PIPE	1			59										1													
F																															
P	YD-2C	31+86.00	RT	YARD DRAIN	1	12												1													
F																															
P	YD-2E	32+09.63	RT	YARD DRAIN, PIPE	1	24												1													
F																															
P	YD-2F	32+21.98	LT	YARD DRAIN, PIPE	1	45												1													
F																															
P	YD-2G	32+50.90	LT	YARD DRAIN, PIPE	1	28												1													
F																															
P	YD-2H	32+70.00	RT	YARD DRAIN, PIPE	1	60												1													
F																															
P	YD-2I	32+80.04	LT	YARD DRAIN, PIPE	1	15												1													
F																															
P	S-228	32+87.00	LT	INLET, PIPE	1			116										1													
F																															
P	TD-1	32+93.29	RT	TRENCH DRAIN, PIPE	1																								48		
F																															
P	S-229	33+45.00	LT	INLET, PIPE	1			58										1													
F																															
P	YD-2J	33+54.00	RT	YARD DRAIN, PIPE	1	50												1													
F																															
P	S-230	34+04.00	RT	INLET, PIPES	1			220										1													
F																															
SHEET TOTALS - PLAN QUANTITY						305		1477	289								1		1	19	10								48		
SHEET TOTALS - FINAL QUANTITY																															

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD.
 ROADWAY IMPROVEMENTS
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 08

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

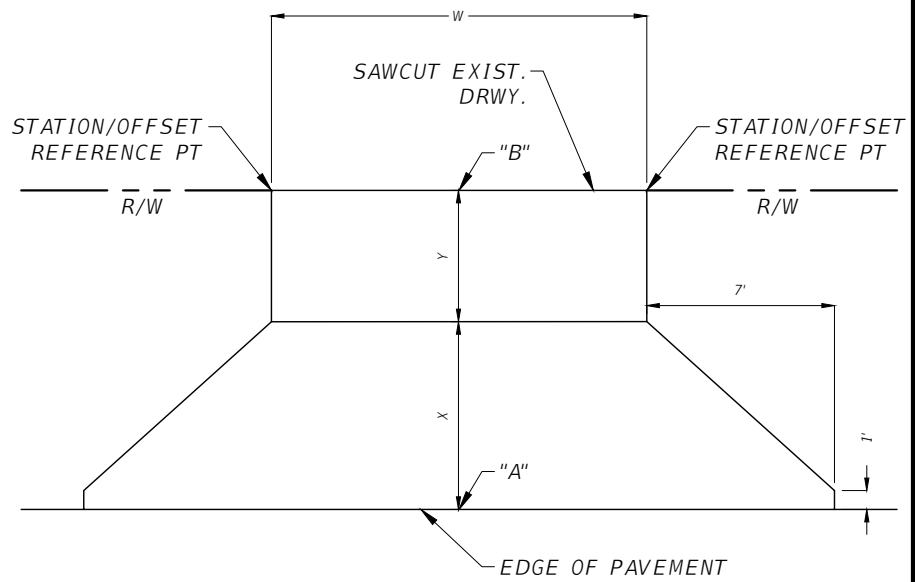
SUMMARY OF DRAINAGE STRUCTURES

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BRLS	STORM DRAIN						CURB INLETS				MANHOLES		DBI'S		YARD DRAIN	MITERED END SECTION			ADJ. DRAIN STR.	MOD. DRAIN STR.	TRENCH DRAIN	REMARKS
						PVC		RCP				P-5	P-6	J-5	J-6	P-7	J-7	TYPE C	TYPE D		18"						
						8"	18"	24"	30"	36"	48"	>10'	>10'	>10'	>10'	>10'	>10'	>10'	>10'								
P	YD-2K	34+04.00	RT	YARD DRAIN, PIPE	1	9												1									
F																											
P	YD-2L	34+57.00	RT	YARD DRAIN, PIPE	1	53												1									
F																											
P	YD-2M	35+11.00	RT	YARD DRAIN, PIPE	1	54																					
F																											
P	S-231	35+55.00	LT	INLET, PIPE	1			210										1									
F																											
P	YD-2N	35+59.00	RT	YARD DRAIN, PIPE	1	48												1									
F																											
P	TD-2	35+81.53	RT	TRENCH DRAIN, PIPE	1	23																		46			
F																											
P	S-232	37+10.00	RT	INLET, PIPE	1			306										1									
F																											
P	S-233	37+10.00	LT	INLET, PIPE	1			45										1									
F																											
P	S-234	38+06.00	LT	INLET, PIPE	1			31										1									
F																											
P	S-235	38+06.00	RT	INLET, PIPE	1			96										1									
F																											
P	S-236	39+55.00	RT	INLET, PIPE	1			149										1									
F																											
P	S-237	39+63.50	LT	INLET, PIPE	1			158										1									
F																											
P	S-300	40+66.59	RT	MAN HOLE, PIPE	1			111						1													
F																											
P	S-301	40+66.59	RT	INLET, PIPE	1			12										1									
F																											
P	TD-3	40+69.58	RT	TRENCH DRAIN, PIPE	1																			84			
F																											
P	S-302	40+84.00	LT	INLET, PIPE	1			51										1									
F																											
P	S-303	41+35.64	LT	INLET, PIPE	1			69										1									
F																											
P	S-304	41+78.00	RT	MH, PIPE	1			25						1													
F																											
P	S-305	41+78.00	RT	INLET, PIPE	1			17										1									
F																											
P	S-306	42+03.00	LT	INLET, PIPES	1			35	57									1									
F																											
P	S-307	42+03.00	RT	INLET, PIPE	1			124										1									
F																											
P	S-308	42+60.00	LT	INLET, PIPE	1			78										1									
F																											
P	S-309	43+27.00	RT	INLET, PIPE	1			113										1									
F																											
P	S-310	43+37.00	LT	INLET, PIPE	1			92										1									
F																											
P	YD-3A	43+45.00	RT	YARD DRAIN, PIPE	1	20												1									
F																											
P	TD-4	43+69.95	LT	TRENCH DRAIN, PIPE	1																			145			
F																											
P	YD-3B	43+87.00	RT	YARD DRAIN, PIPE	1	42												1									
F																											
P	S-311	44+29.00	LT	INLET, PIPE	1			59										1									
F																											
P	S-312	44+40.00	RT	INLET, PIPE	1			230										1									
F																											
P	S-313	44+40.00	RT	MES, PIPE	1			26															1				
F																											
P	S-314	44+88.00	LT	INLET, PIPE	1			122										1									
F																											
P	YD-3C	46+10.00	LT	YARD DRAIN, PIPE	1	12												1									
F																											
P	S-315	46+10.00	LT	INLET, PIPE	1			93										1									
F																											
SHEET TOTALS - PLAN QUANTITY						261	448	1861									2	7	13	6	1				275		
SHEET TOTALS - FINAL QUANTITY																											

REVISIONS				 CW3 ENGINEERING, INC. 5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089	RIVER RANCH RD. ROADWAY IMPROVEMENTS		SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #		09
					VILLAGE OF ESTERO	19-0046		

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

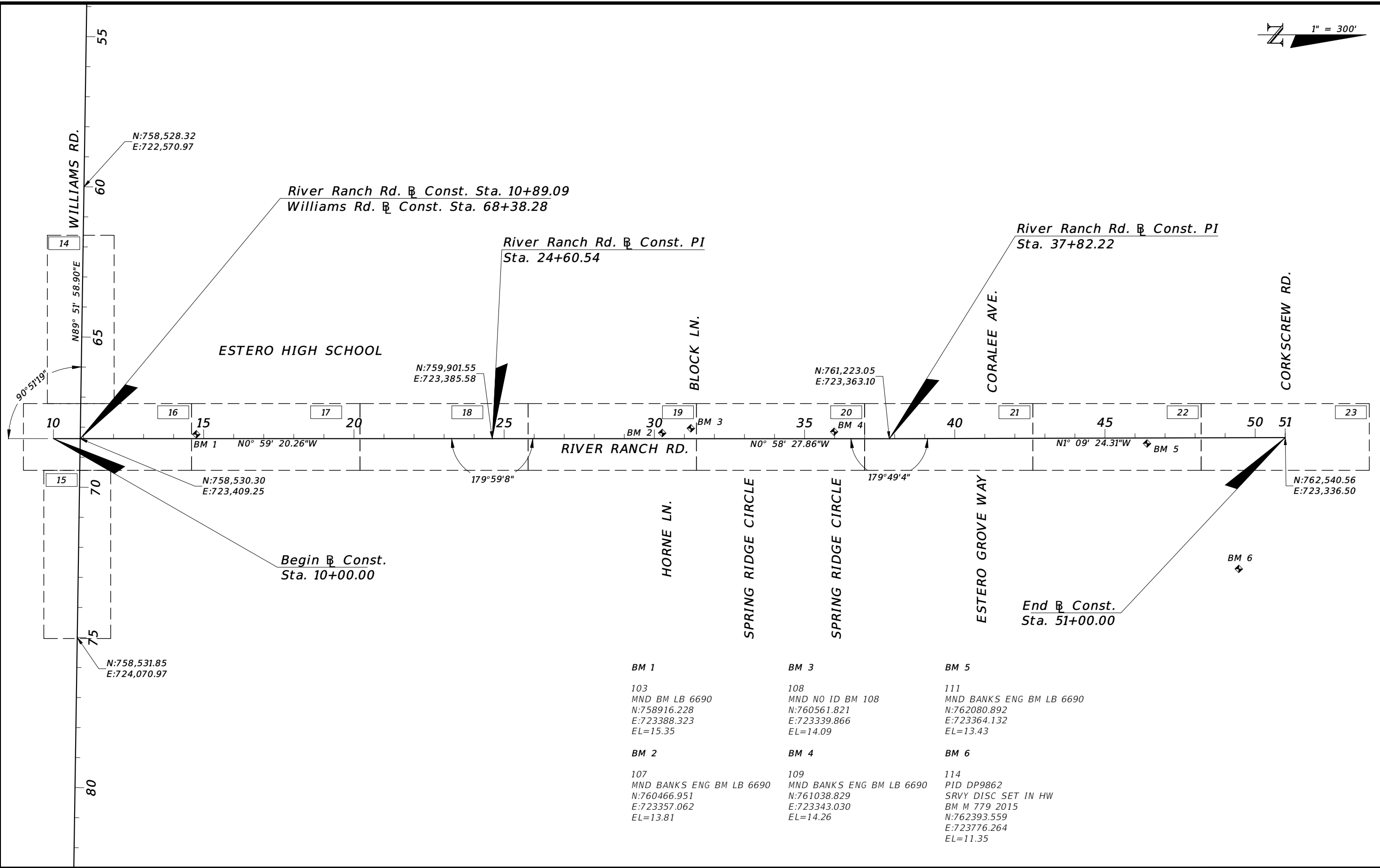
SUMMARY OF DRIVEWAYS																		
LOCATION			SIDE	Driveway ID	LOCATION			EXIST. DRIVEWAY MATERIAL	WIDTH (FT)	DISTANCE 'X' (FT)	DISTANCE 'Y' (FT)	ELEV. A (FT)	ELEV. B (FT)	CONCRETE REMOVAL		CONC DRIVEWAY 6" THICK		DESIGN NOTES
STA. TO STA.					OFFSET TO OFFSET									110-4		0522 X		
														SY		SY		
						P	F	P	F									
24+71.74	-	25+01.58	LT	DW1	11.00	-	11.00	CONC.	15.84'	8.00'	14.0'			40.59		45.73		
26+88.62	-	27+18.56	LT	DW2	11.00	-	11.11	CONC.	15.94'	8.00'	14.0'			43.47		45.88		
30+44.64	-	30+64.58	LT	DW3	11.00	-	11.49	CONC.	9.93'	8.25'	13.76'			23.55		31.50		
37+36.90	-	37+70.88	LT	DW4	6.86	-	6.96	CONC.	19.98	8.0'	18.09'			51.04		64.92		
38+40.58	-	38+66.93	LT	DW5	7.00	-	7.00	CONC.	12.37	8.0'	10.0'			N/A		31.72		
42+75.29	-	43+04.12	RT	DW6	15.00	-	15.00	CONC.	14.85	8.0'	10.0'			28.03		36.65		
43+44.06	-	43+69.95	LT	DW7	7.00	-	7.00	CONC.	11.91'	8.0'	10.0'			47.30		30.79		
43+48.38	-	43+78.18	RT	DW8	15.00	-	15.03	CONC.	15.81	8.0'	10.0'			29.32		38.59		
44+27.51	-	44+58.97	LT	DW9	7.27	-	7.93	CONC.	17.47	8.0'	17.4'			56.28		25.33		
45+18.00	-	45+56.00	LT	DW10	9.18	-	9.99	N/A	24.00	8.0'	15.0'			N/A		69.43		
46+72.95	-	46+87.96	LT	DW11	10.70	-	10.72	CONC.	N/A	N/A	N/A			25.74		N/A		
47+29.00	-	47+50.25	LT	DW12	11.68	-	12.38	CONC.	N/A	N/A	N/A			53.14		N/A		



DRIVEWAY LAYOUT DETAIL
SCALE: N.T.S.

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

<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					<p>CW3 ENGINEERING, INC. 5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089</p>	<p>RIVER RANCH RD. ROADWAY IMPROVEMENTS</p> <table border="1"> <tr> <td>CLIENT</td> <td>PROJECT #</td> </tr> <tr> <td>VILLAGE OF ESTERO</td> <td>19-0046</td> </tr> </table>		CLIENT	PROJECT #	VILLAGE OF ESTERO	19-0046	<p>SUMMARY OF DRIVEWAYS</p>	<p>SHEET NO.</p>
REVISIONS																								
DATE	DESCRIPTION	DATE	DESCRIPTION																					
CLIENT	PROJECT #																							
VILLAGE OF ESTERO	19-0046																							
		<p>11</p>																						



REVISIONS			
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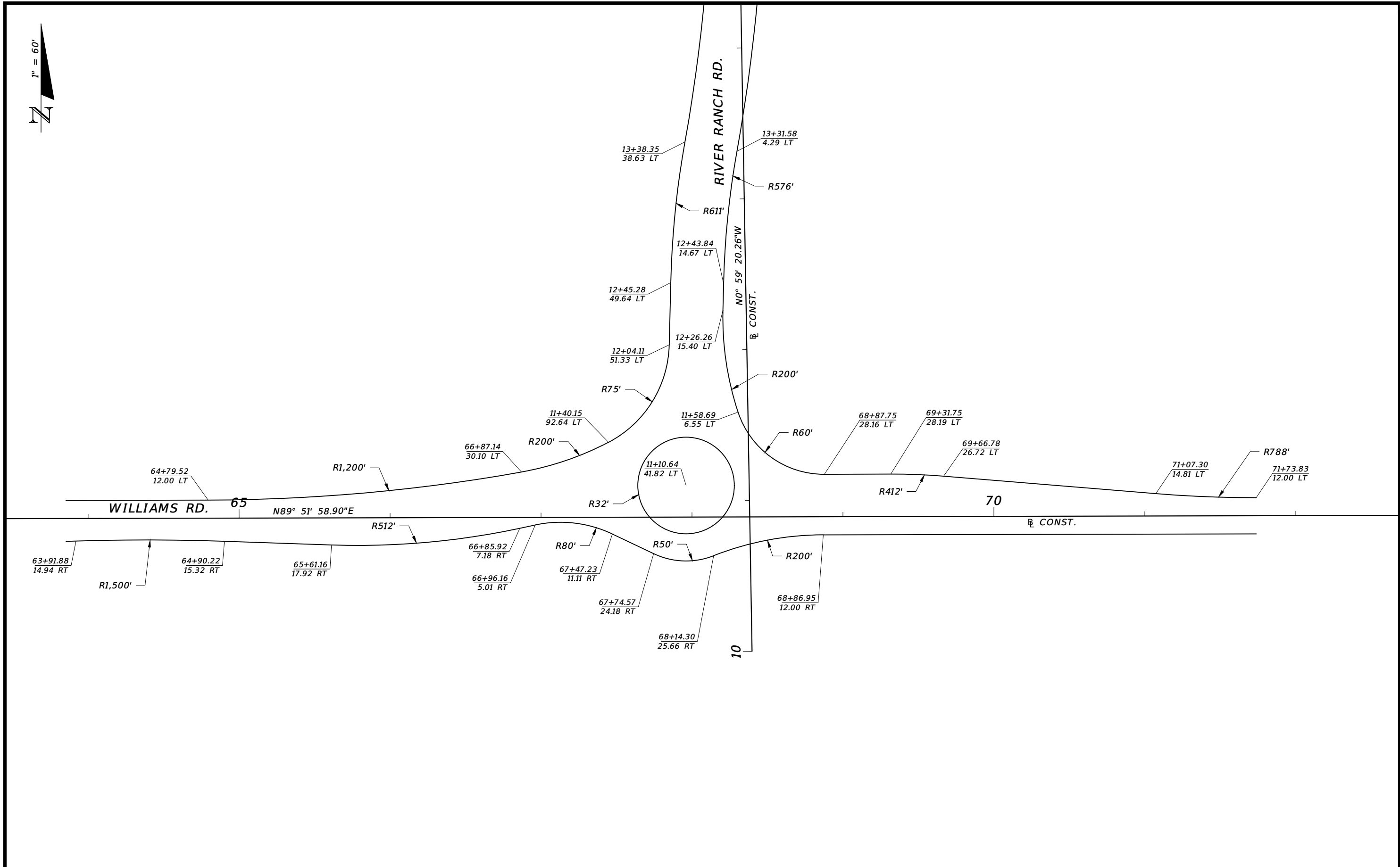
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

PROJECT LAYOUT

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.



REVISIONS			
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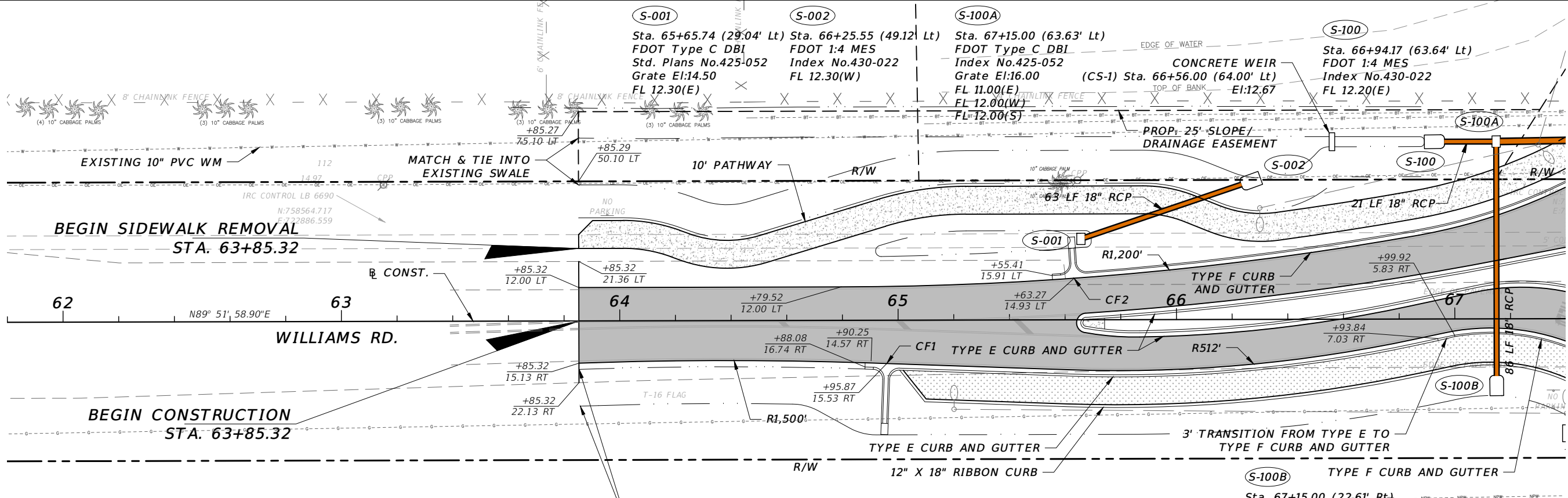
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

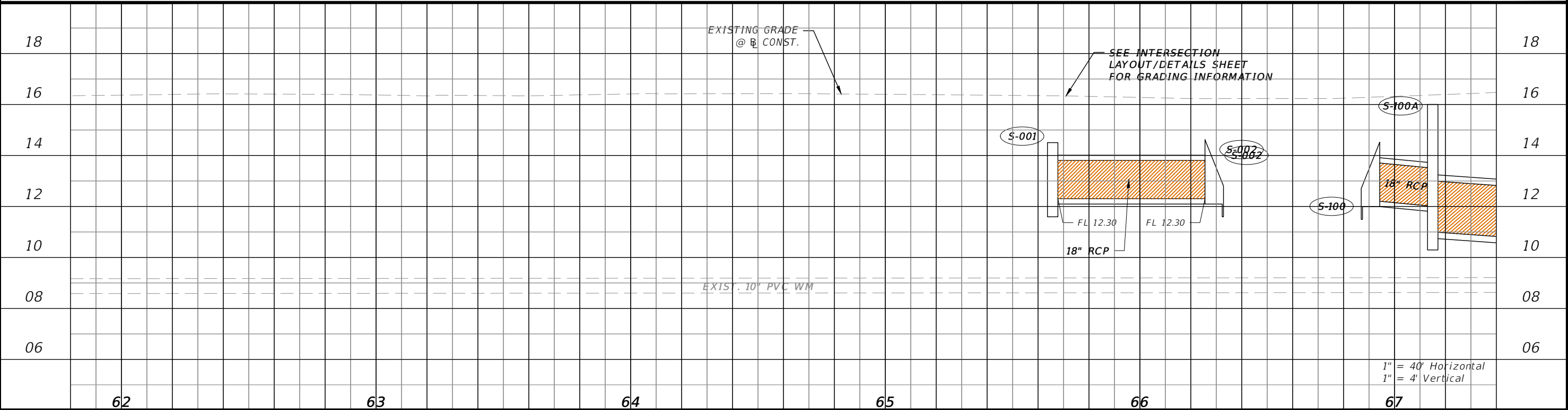
PROJECT LAYOUT

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	
	ASPHALT
	CONCRETE
	GRASS PAVER



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

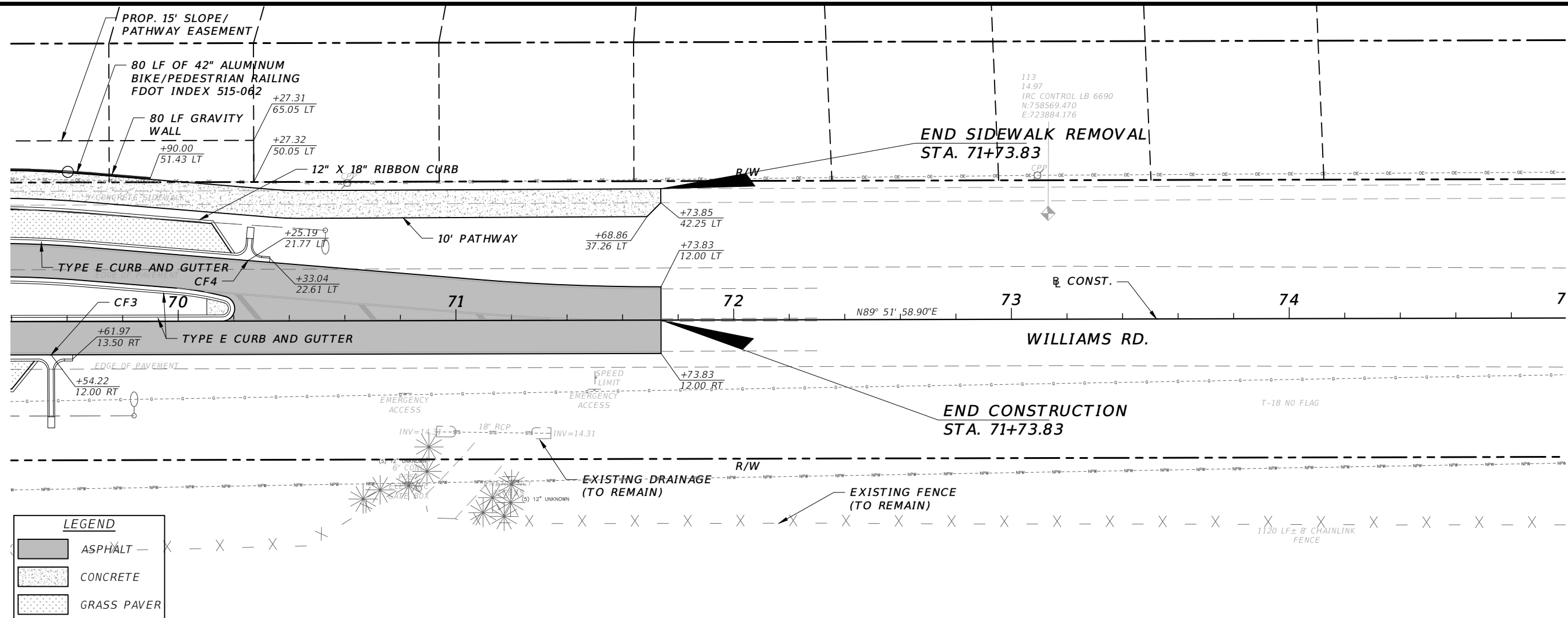
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

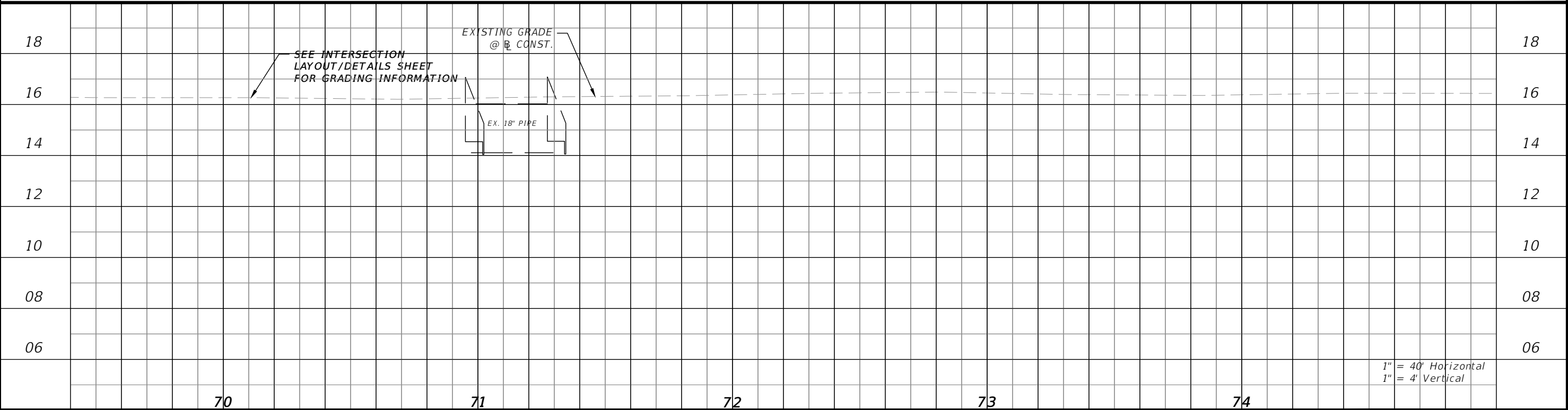
**ROADWAY PLAN AND
LEFT PROFILE**

SHEET NO.
14

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LEGEND	
	ASPHALT
	CONCRETE
	GRASS PAVER



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**ROADWAY PLAN AND
LEFT PROFILE**

SHEET NO. 15

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1" = 40'

S-003
Sta. 10+49.30 (91.31' Lt)
FDOT 1:4 MES
Index No.430-022
FL 13.60(E)

TYPE F CURB AND GUTTER

12" X 18" RIBBON CURB

BEGIN PROJECT
STA. 10+39.00

S-004
Sta. 10+49.03 (24.34' Rt)
FDOT 1:4 MES
Index No.430-022
FL 14.30(W)

3' TRANSITION FROM TYPE F
TO TYPE E CURB AND GUTTER

TYPE E CURB AND GUTTER

S-005

S-009

S-004

S-102

S-101

S-102

S-103

S-103

S-104

S-105

S-102

S-106

S-106

S-104

S-105

S-104

S-107

S-106

S-107

S-107

S-105

139 LF 24" RCP
TIE PROP. FENCE
INTO EXISTING FENCE

363 LF PROP.
GRAVITY WALL
PGL (LT)

ESTERO Sta. 12+60.00 (50.13' Lt)
FDOT Type P-5 Curb Inlet
Index No.425-021
EOP EI:15.74
FL 10.00(E)
FL 10.00(N)

Sta. 13+79.08 (32.60' Lt)
FDOT Type P-6 Curb Inlet
Index No.425-021
EOP EI:15.40
FL 10.00(N)
FL 10.00(S)

Sta. 13+74.28 (4.53' Rt)
FDOT Type P-6 Curb Inlet
Index No.425-021
EOP EI:15.40
FL 10.00(N)
FL 10.00(S)

REMOVE 411 LF
EX. CHAINLINK FENCE

367 LF 4'
CHAINLINK FENCE

PROP. EASEMENT
+38.35
38.63 LT

8' CONC.
PATHWAY

38 LF 24" RCP

120 LF 24" RCP

PGL (RT)

17 LF 24" RCP

R576'

114 LF 24" RCP

LANDSCAPE BUFFER

8" THICK CONCRETE
SIDEWALK IN STABILIZED
GRASS AREAS

106 LF 24" RCP

39 LF 24" RCP

PROP. DRAINAGE/SLOPE
EASEMENT

PROP. 15' DRAINAGE/PATHWAY
EASEMENT

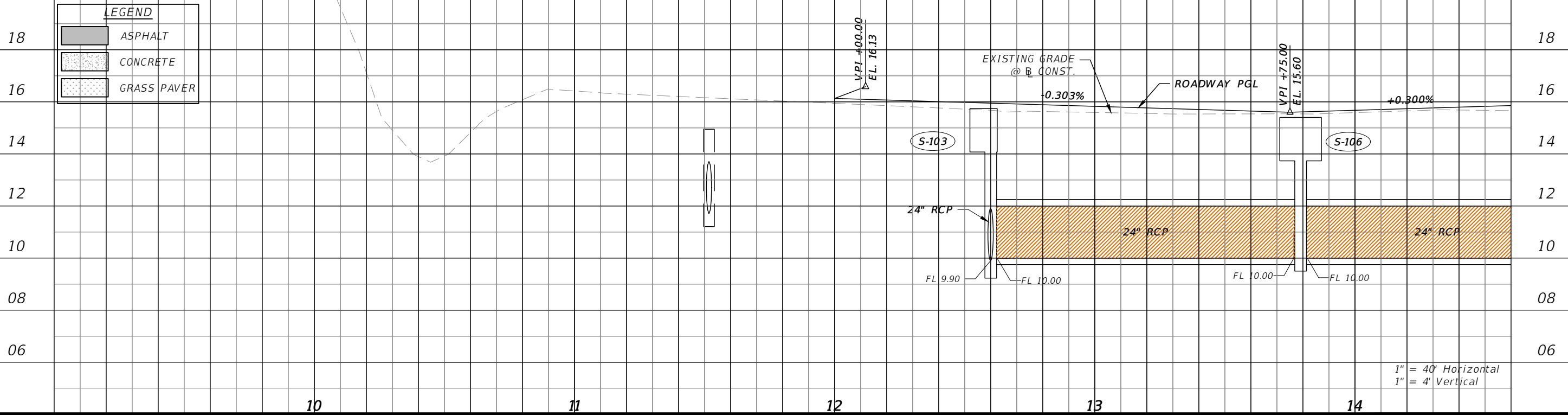
Sta. 11+54.50 (16.50' Rt)
FDOT Type D DBI
Index No.425-052
Grate EI:15.00
FL 10.00(N)
FL 10.00(W)
FL 10.00(E)

Sta. 11+67.00 (53.00' Rt)
FDOT 1:4 MES
Index No.430-022
FL 10.00(W)

Sta. 12+60.00 (12.54' Lt)
FDOT Type P-5 Curb Inlet
Index No.425-021
EOP EI:14.92
FL 10.00(E)
FL 10.00(W)

Sta. 12+60.00 (4.50' Rt)
FDOT Type D DBI
Index No.425-052
Grate EI:14.00
FL 10.00(N)
FL 10.00(W)
FL 10.00(S)

LEGEND	
	ASPHALT
	CONCRETE
	GRASS PAVER



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

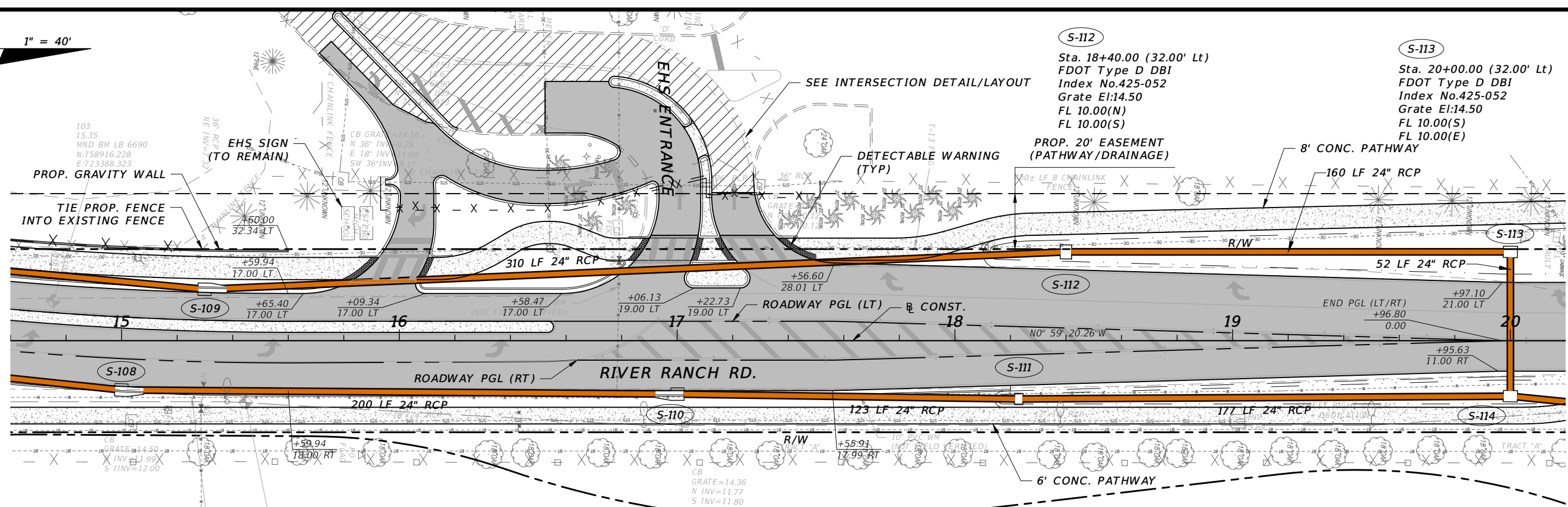
CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917
PH. 239-205-6473
WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**
CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**ROADWAY PLAN AND
LEFT PROFILE**
SHEET NO. 16

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

1" = 40'



S-108
Sta. 15+00.00 (17.76' Rt)
FDOT Type P-5 Curb Inlet
Index No.425-021
EOP El:14.67
FL 10.00(N)
FL 10.00(S)

S-109
Sta. 15+30.00 (18.52' Lt)
FDOT Type P-5 Curb Inlet
Index No.425-021
EOP El:15.85
FL 10.00(S)
FL 10.00(N)

S-110
Sta. 17+00.00 (19.23' Rt)
FDOT Type P-5 Curb Inlet
Index No.425-021
EOP El:15.83
FL 10.00(S)
FL 10.00(N)

S-111
Sta. 18+23.00 (21.00' Rt)
FDOT Type C DBI
Index No.425-052
Grate El:15.33
FL 10.00(S)
FL 10.00(N)

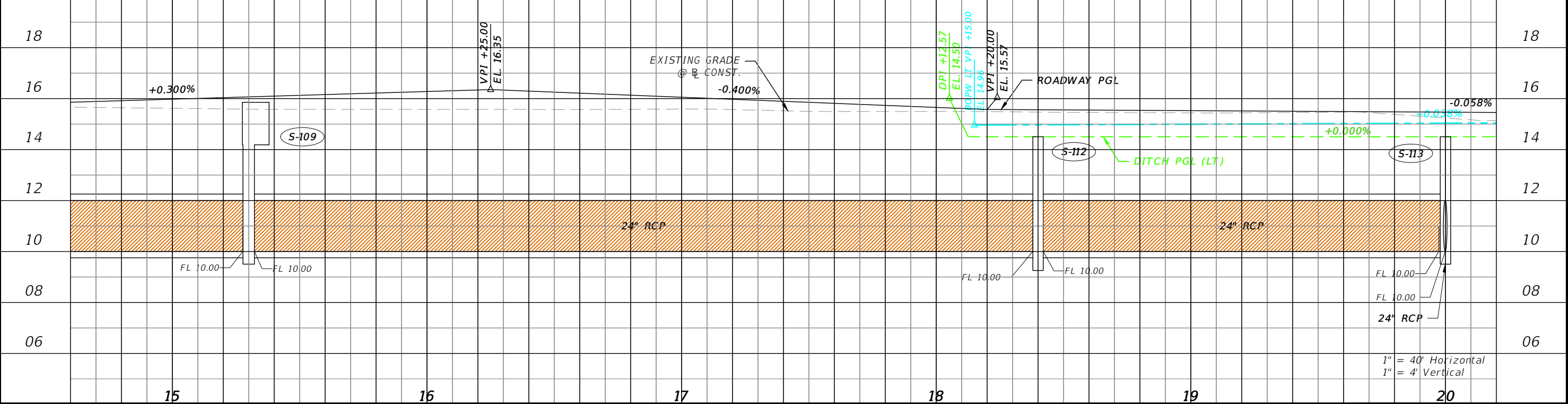
S-112
Sta. 18+40.00 (32.00' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:14.50
FL 10.00(N)
FL 10.00(S)

S-113
Sta. 20+00.00 (32.00' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:14.50
FL 10.00(S)
FL 10.00(E)

S-114
Sta. 20+00.00 (20.00' Rt)
FDOT Type D DBI
Index No.425-052
Grate El:14.50
FL 10.00(S)
FL 10.00(W)
FL 10.00(N)

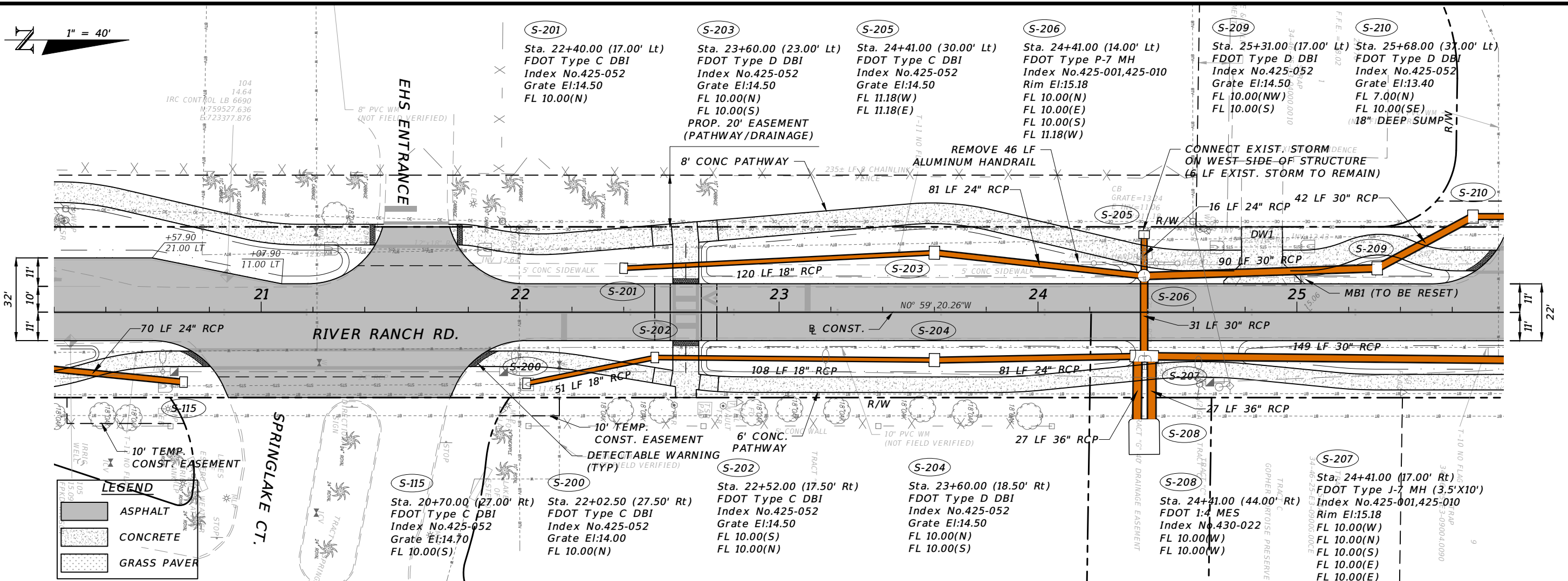
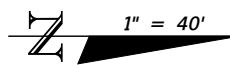
LEGEND

	ASPHALT
	CONCRETE
	GRASS PAVER



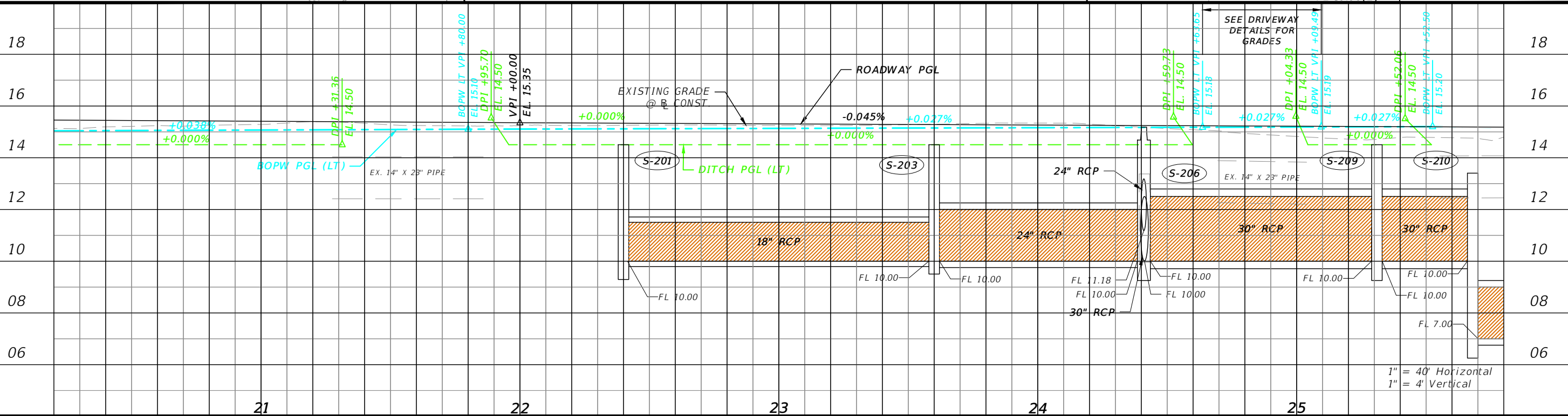
REVISIONS				 CW3 ENGINEERING, INC. 5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089	RIVER RANCH RD. ROADWAY IMPROVEMENTS		ROADWAY PLAN AND LEFT PROFILE	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #		
				VILLAGE OF ESTERO	19-0046			

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LEGEND

	ASPHALT
	CONCRETE
	GRASS PAVER



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

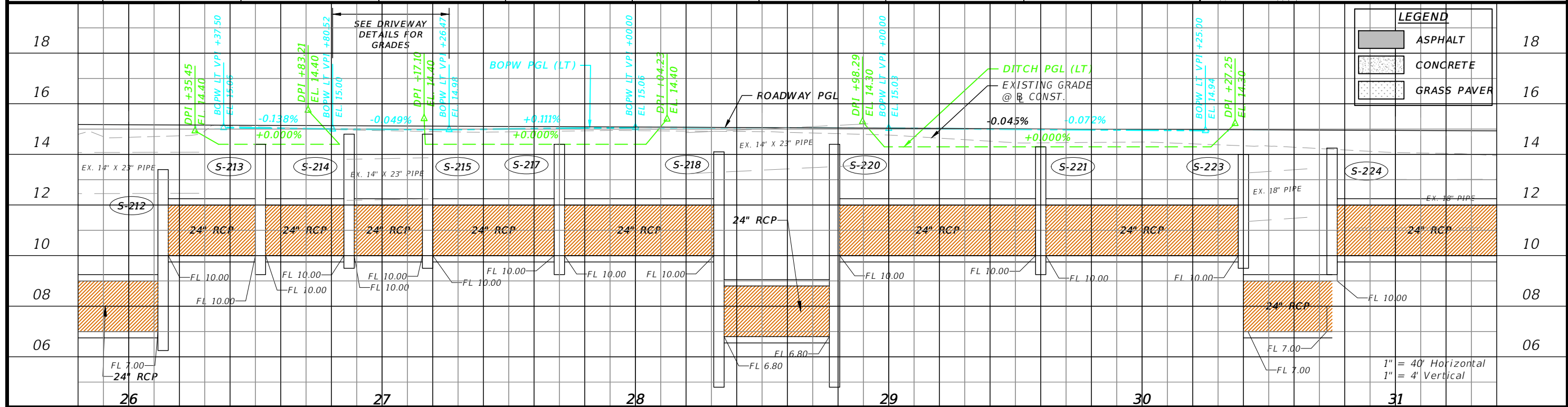
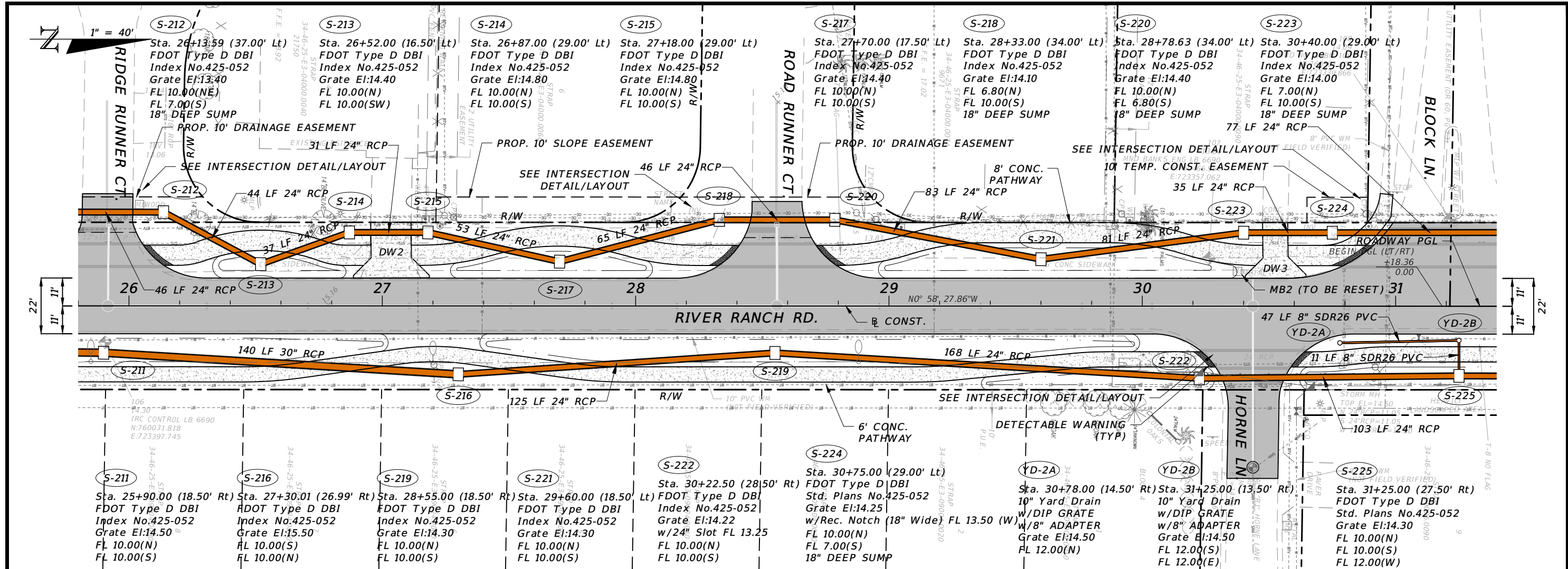
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**ROADWAY PLAN AND
 LEFT PROFILE**

SHEET NO. 18

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



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

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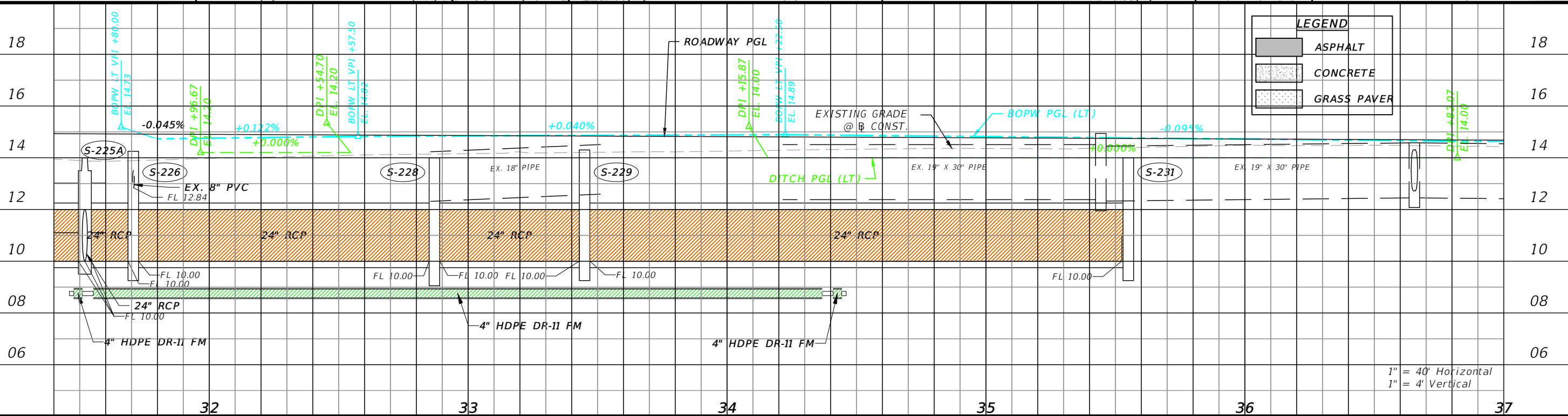
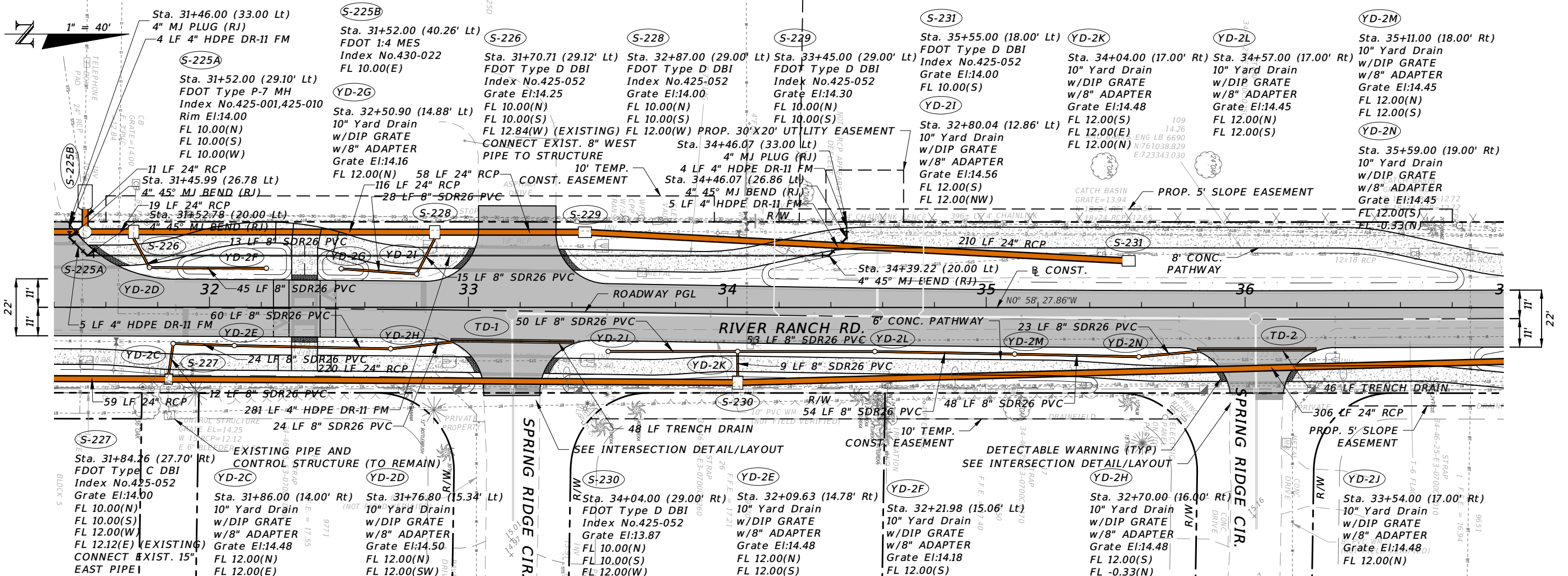
RIVER RANCH RD.
ROADWAY IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**ROADWAY PLAN AND
LEFT PROFILE**

SHEET NO. 19

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



LEGEND	
[Hatched Pattern]	ASPHALT
[Dotted Pattern]	CONCRETE
[Cross-hatched Pattern]	GRASS PAVER

1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917
PH. 239-205-6473
WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

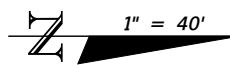
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**ROADWAY PLAN AND
LEFT PROFILE**

SHEET NO. 20

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S-233
Sta. 37+10.00 (24.00' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:14.37
FL 10.00(E)

S-234
Sta. 38+06.00 (10.75' Lt)
FDOT Type C DBI
Index No.425-052
Grate El:13.90
FL 10.00(N)
FL 10.00(E)

S-237
Sta. 39+63.50 (11.50' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:13.80
FL 10.00(S)

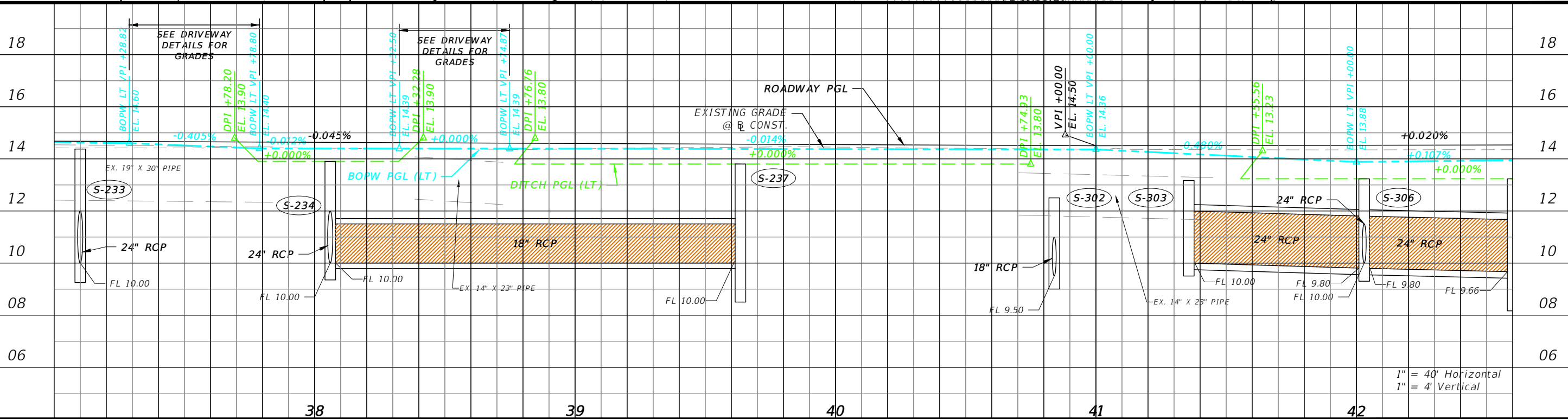
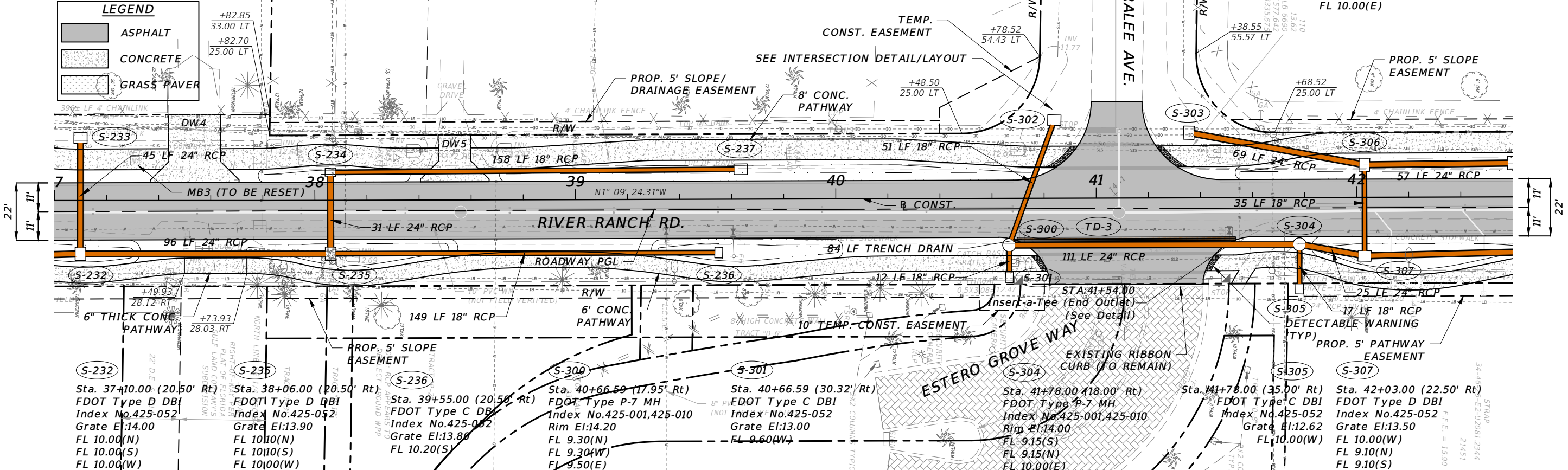
S-302
Sta. 40+84.00 (30.00' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:12.50
w/Rec. Notch (18" Wide) FL 11.50 (W) FL 10.00(N)
FL 9.50(E)

S-303
Sta. 41+35.64 (25.02' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:13.17

S-306
Sta. 42+03.00 (12.50' Lt)
FDOT Type D DBI
Index No.425-052
Grate El:13.23
FL 9.80(S)
FL 9.80(N)
FL 10.00(E)

LEGEND

- ASPHALT
- CONCRETE
- GRASS PAVER



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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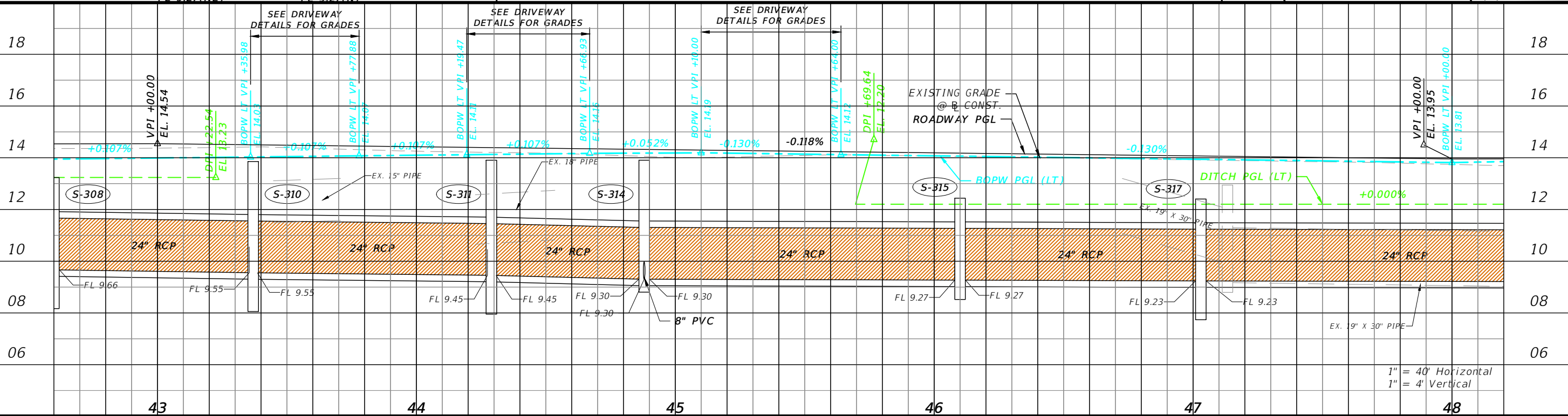
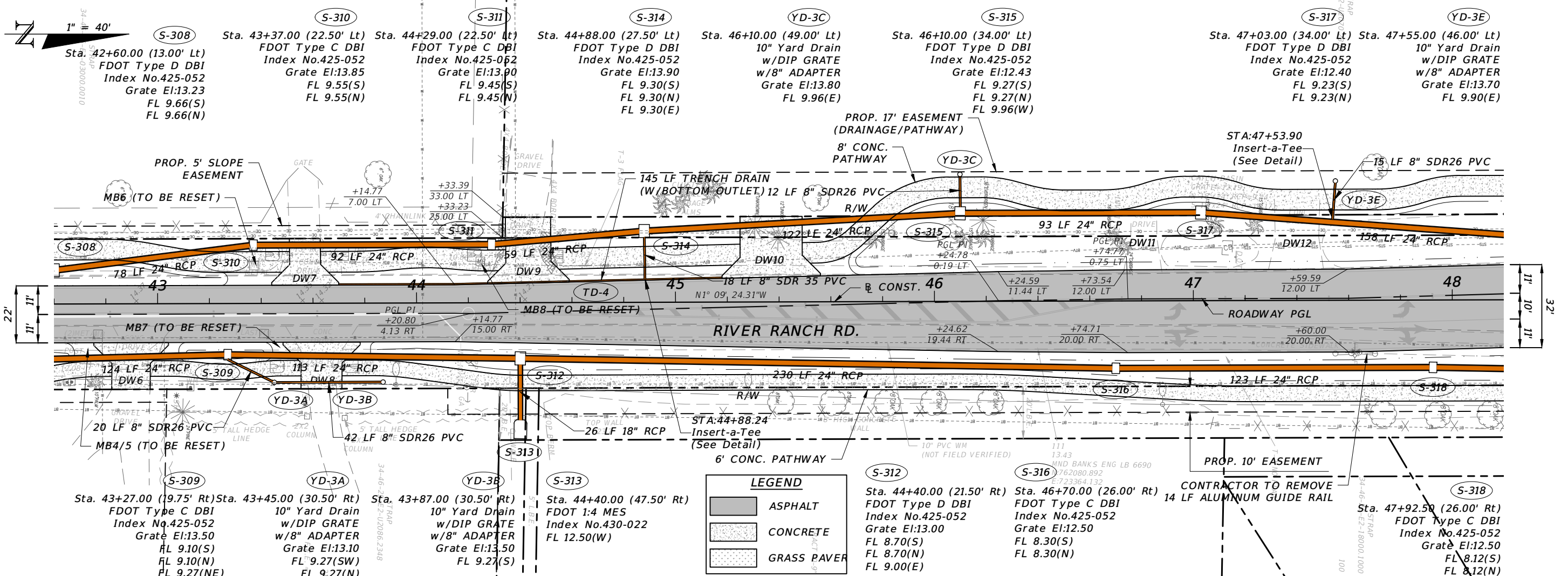
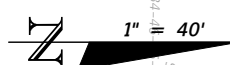
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**ROADWAY PLAN AND
LEFT PROFILE**

SHEET NO. 21

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**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

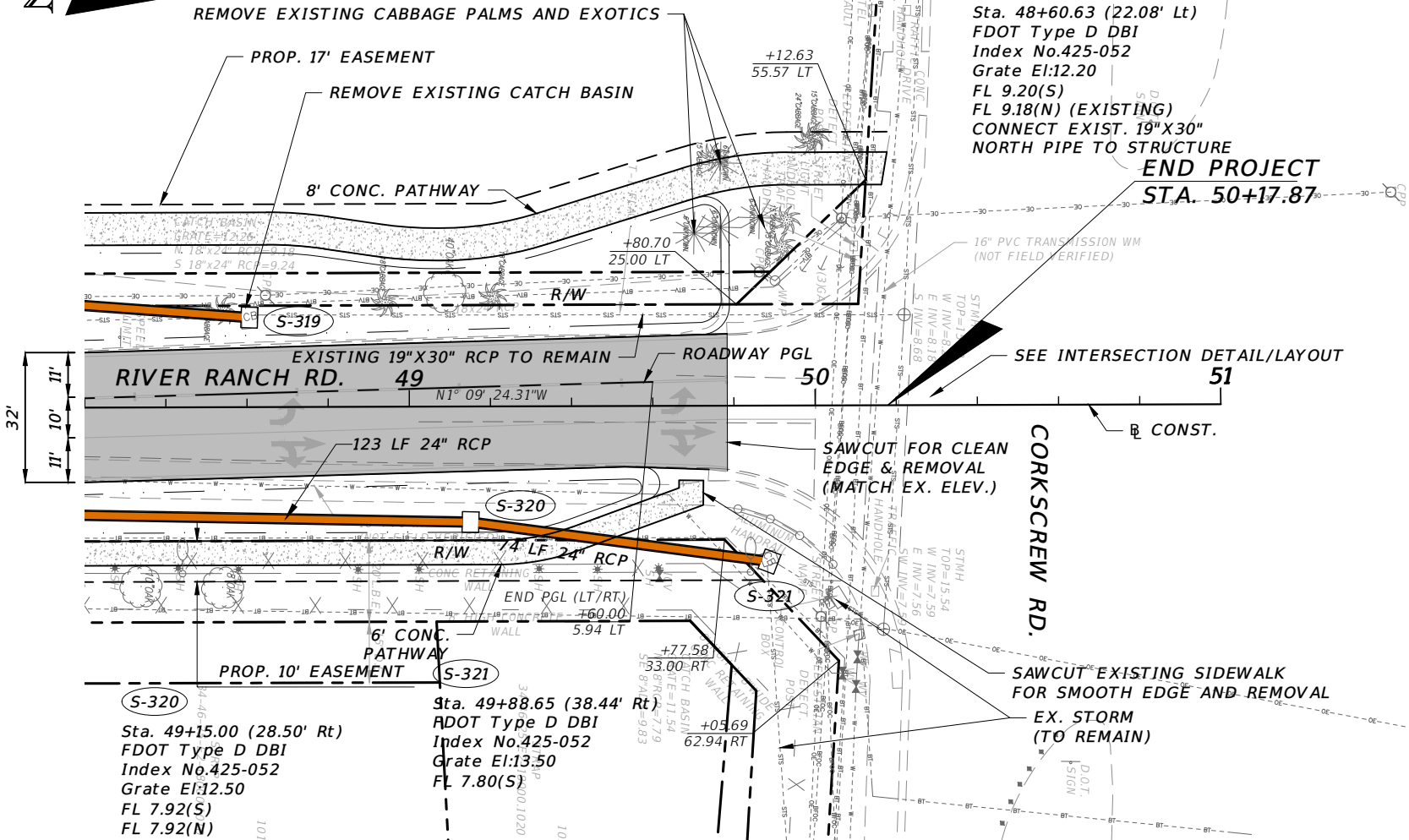
CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**ROADWAY PLAN AND
 LEFT PROFILE**

SHEET NO. 22

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

1" = 40'



S-319
 Sta. 48+60.63 (22.08' Lt)
 FDOT Type D DBI
 Index No.425-052
 Grate El:12.20
 FL 9.20(S)
 FL 9.18(N) (EXISTING)
 CONNECT EXIST. 19"X30"
 NORTH PIPE TO STRUCTURE

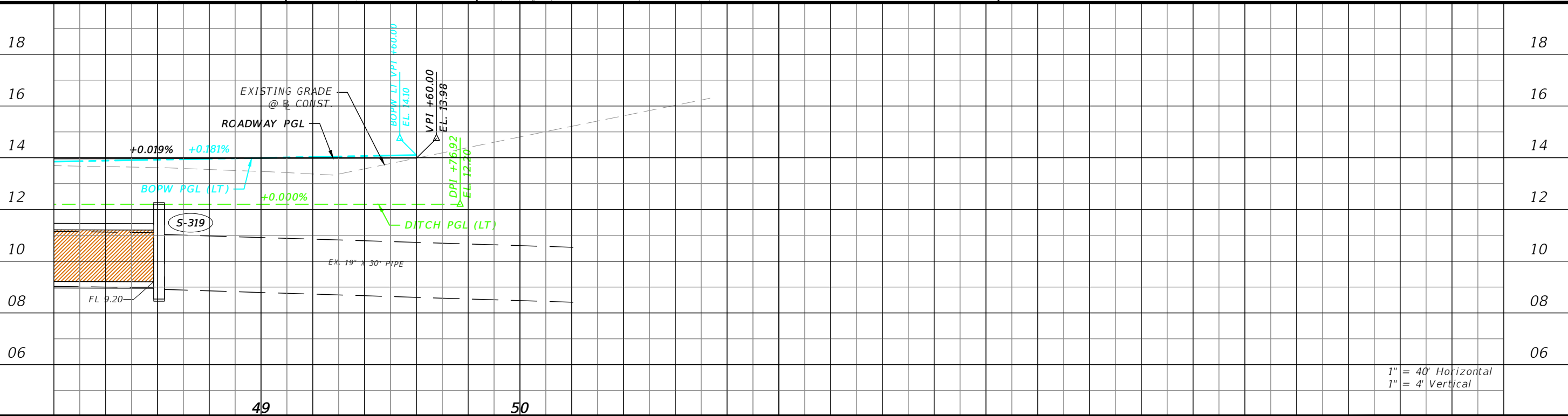
END PROJECT
 STA. 50+17.87

SEE INTERSECTION DETAIL/LAYOUT

CORKSCREW RD.

SAWCUT EXISTING SIDEWALK FOR SMOOTH EDGE AND REMOVAL (TO REMAIN)
 EX. STORM

LEGEND	
	ASPHALT
	CONCRETE
	GRASS PAVER



1" = 40' Horizontal
 1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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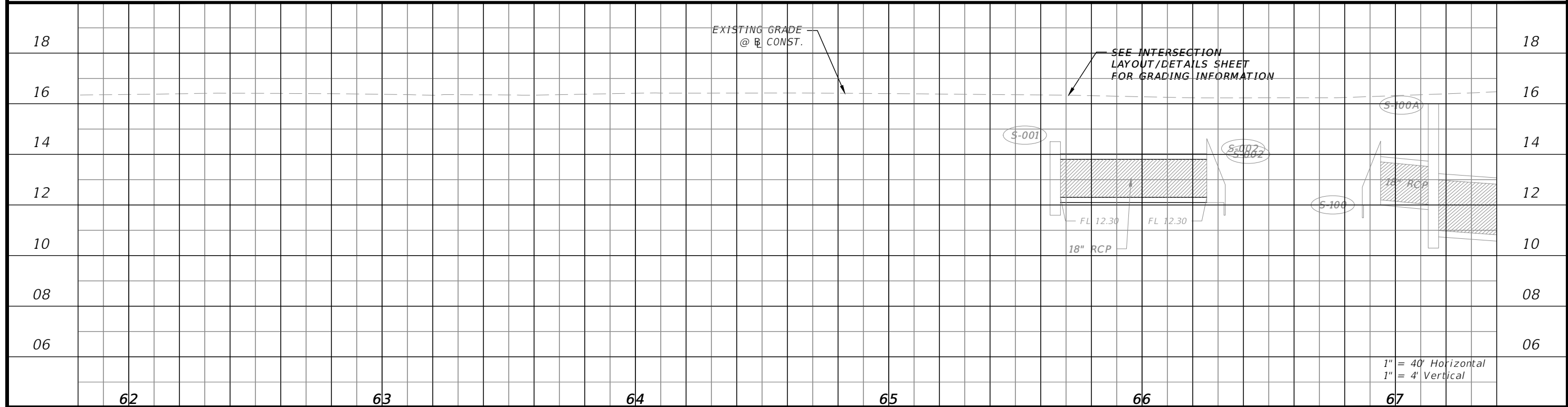
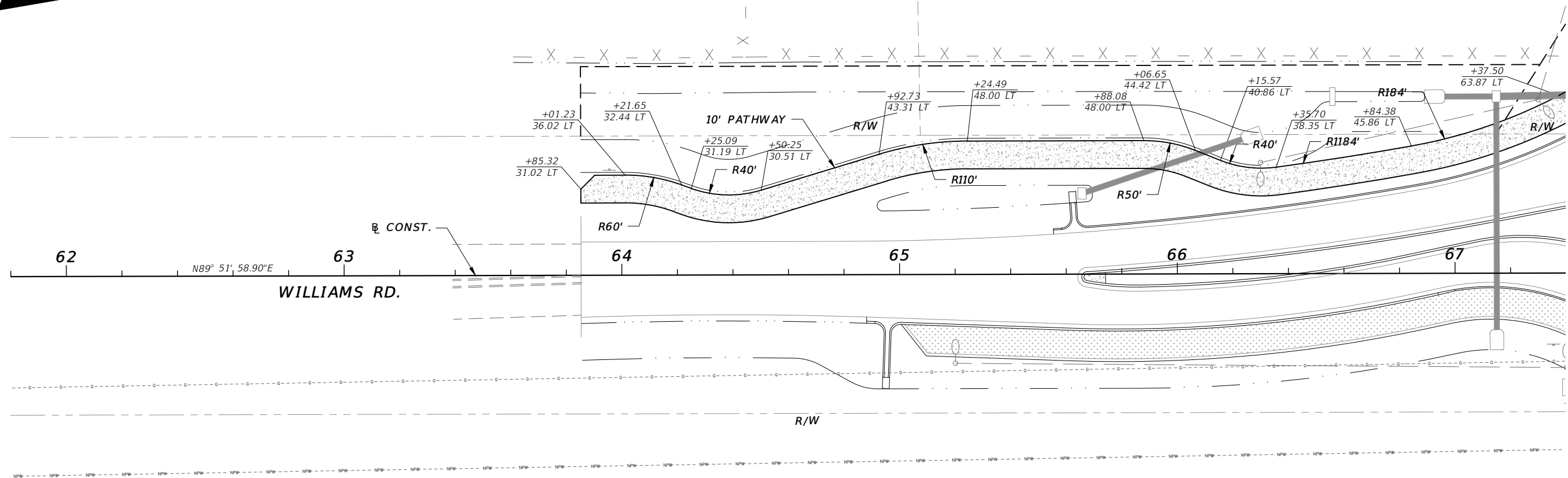
RIVER RANCH RD.
ROADWAY IMPROVEMENTS
 CLIENT: VILLAGE OF ESTERO
 PROJECT #: 19-0046

ROADWAY PLAN AND LEFT PROFILE

SHEET NO. 23

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1" = 40'



REVISIONS			
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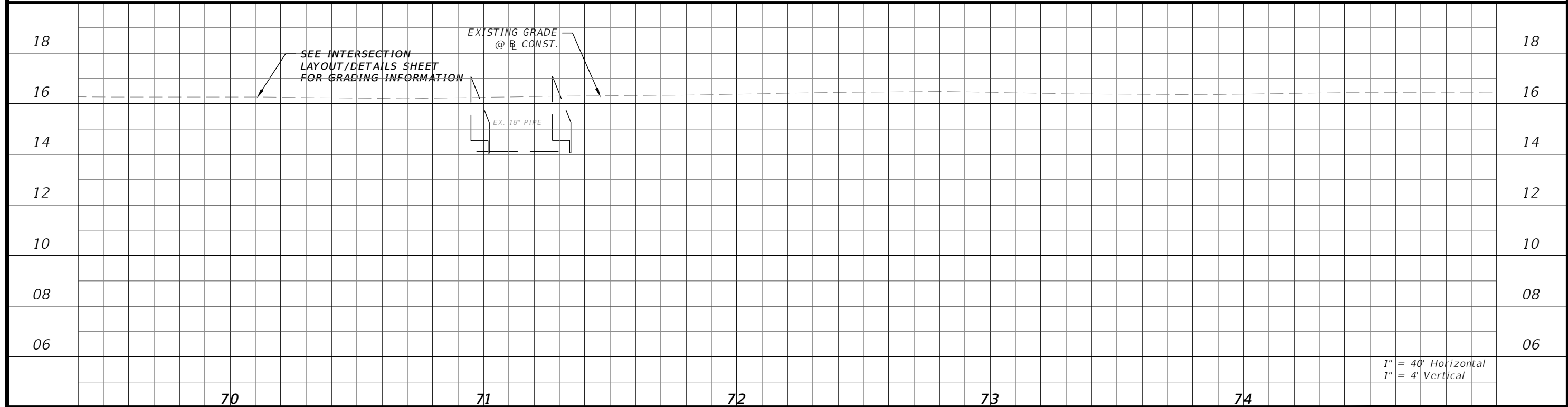
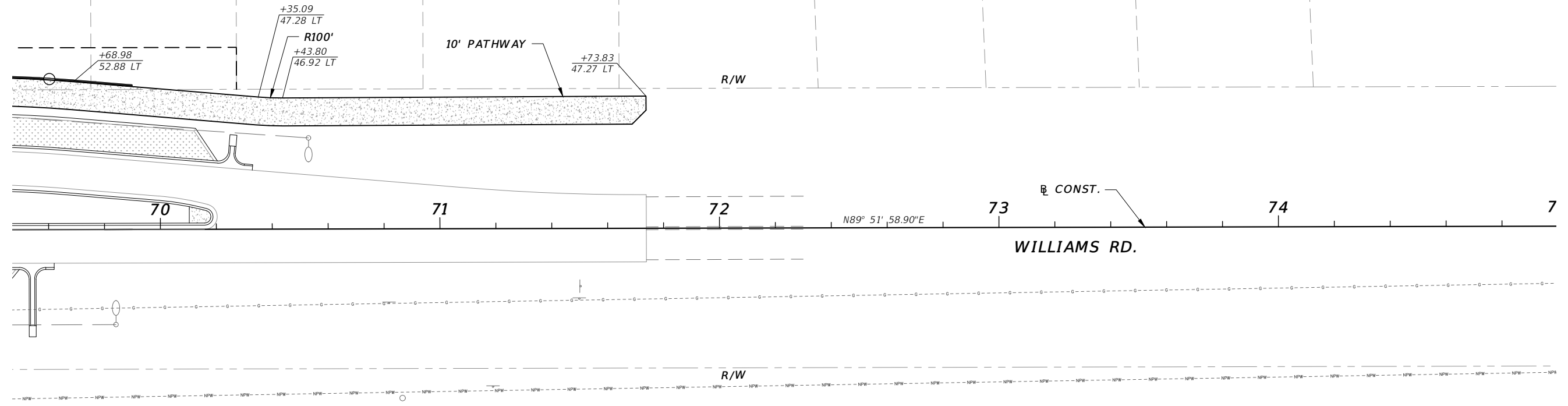
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 24

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N 1" = 40'



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

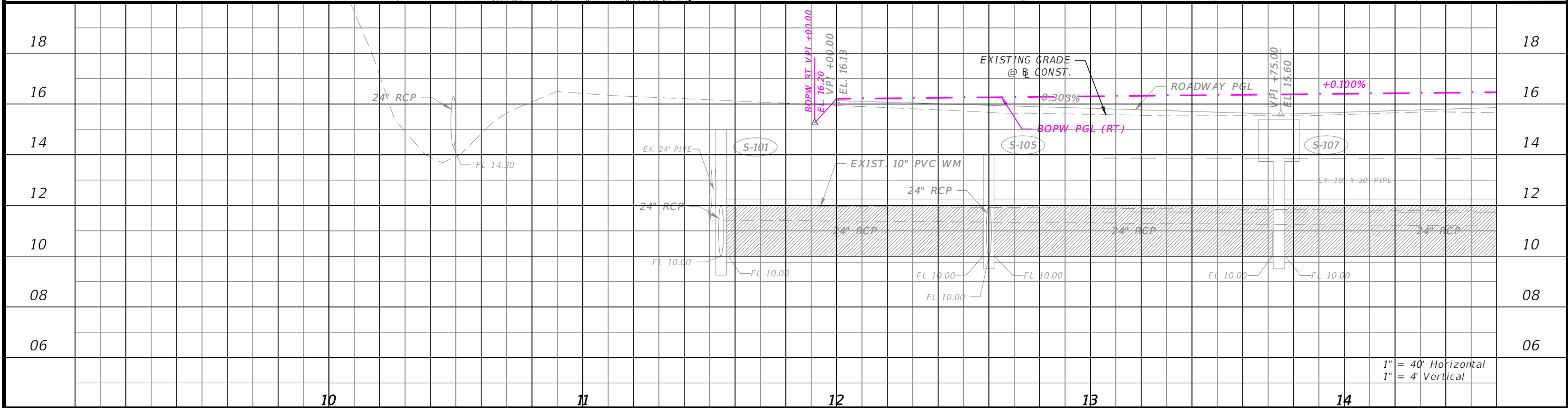
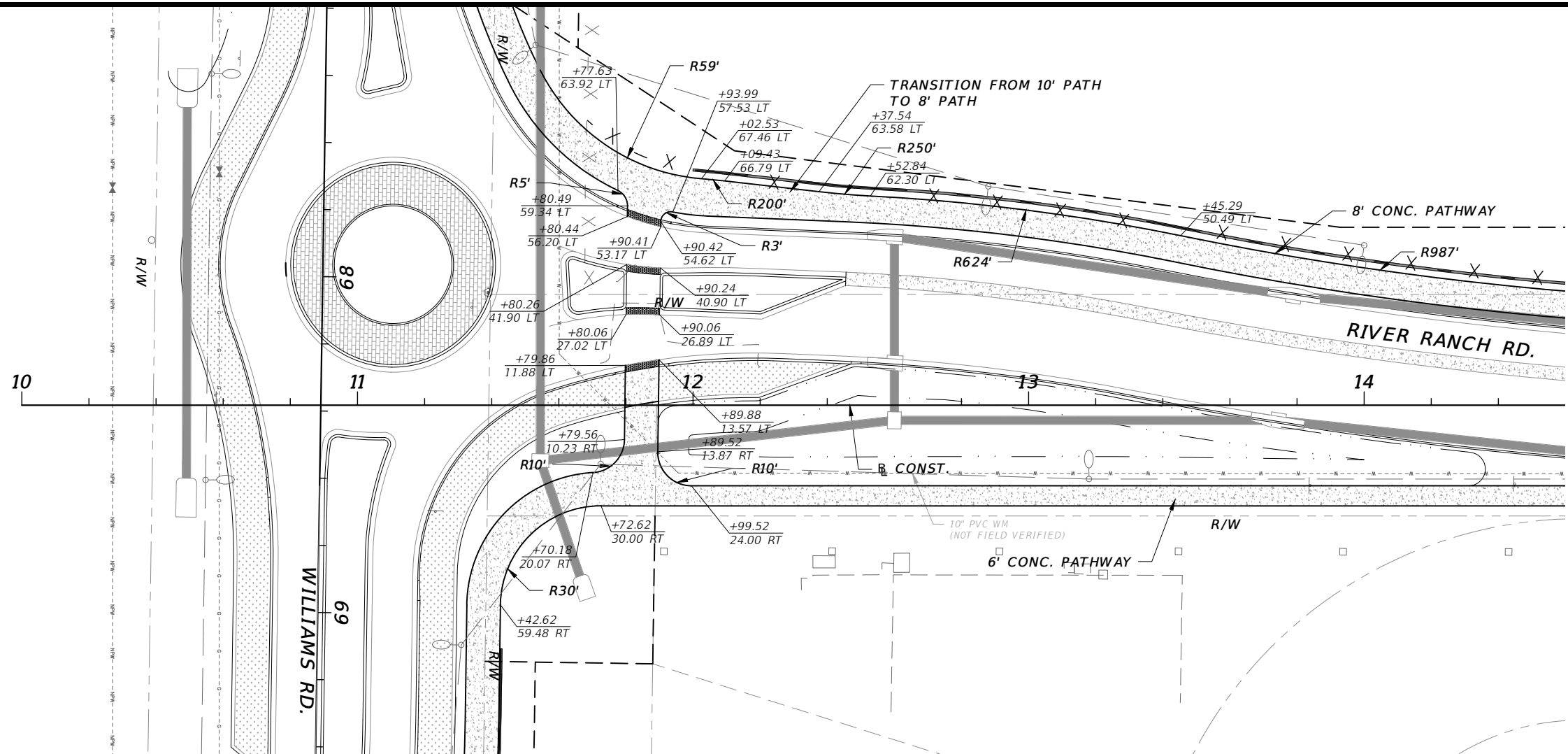
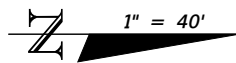
CW3 ENGINEERING, INC.
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 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD.
 ROADWAY IMPROVEMENTS
 CLIENT: VILLAGE OF ESTERO
 PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO.
25

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1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 CLAIR WRIGHT, III P.E. No. 64089

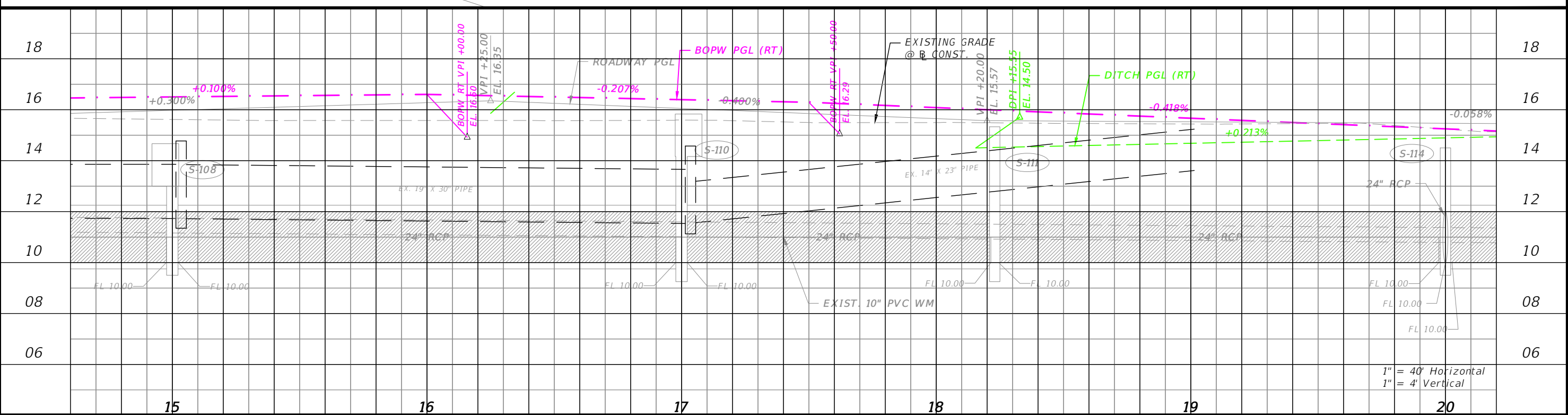
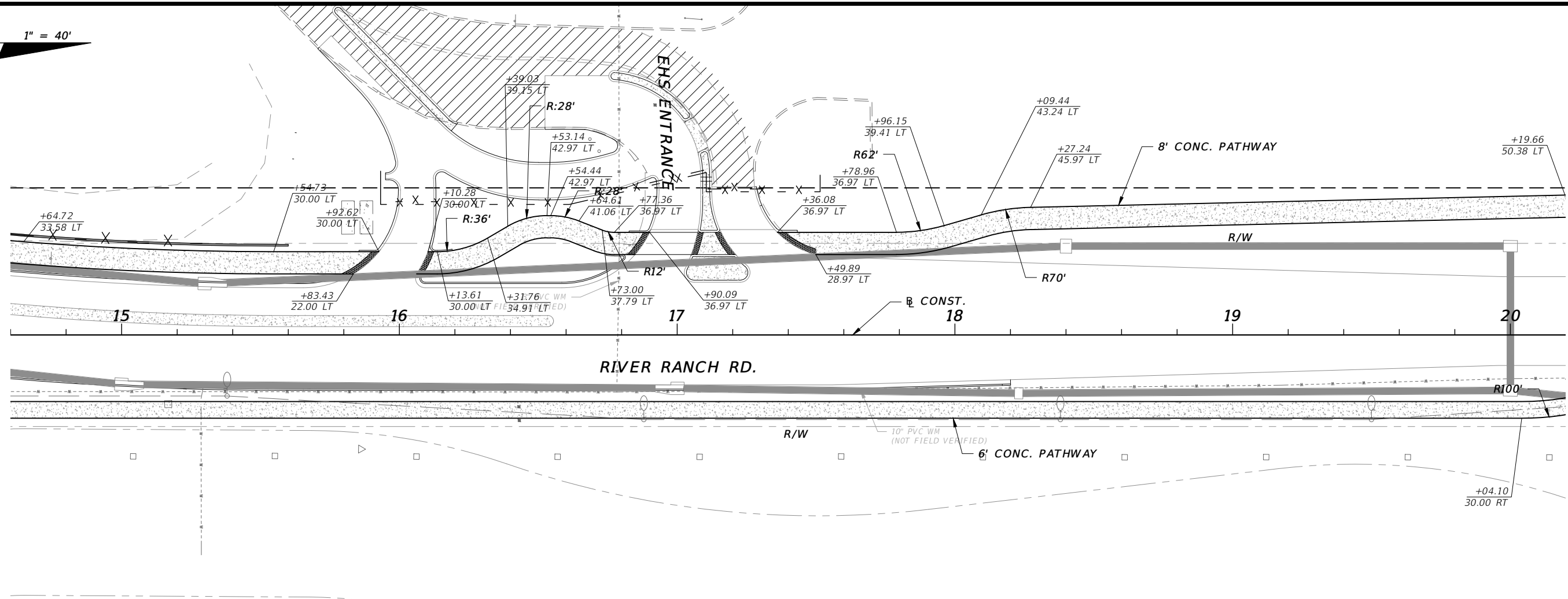
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 26

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1" = 40'



REVISIONS			
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 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

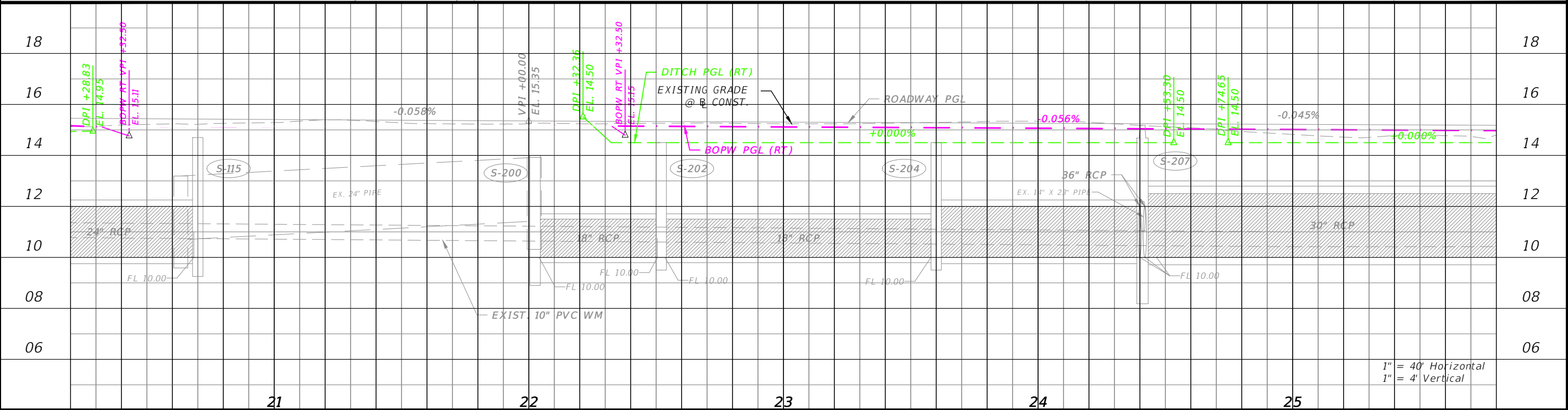
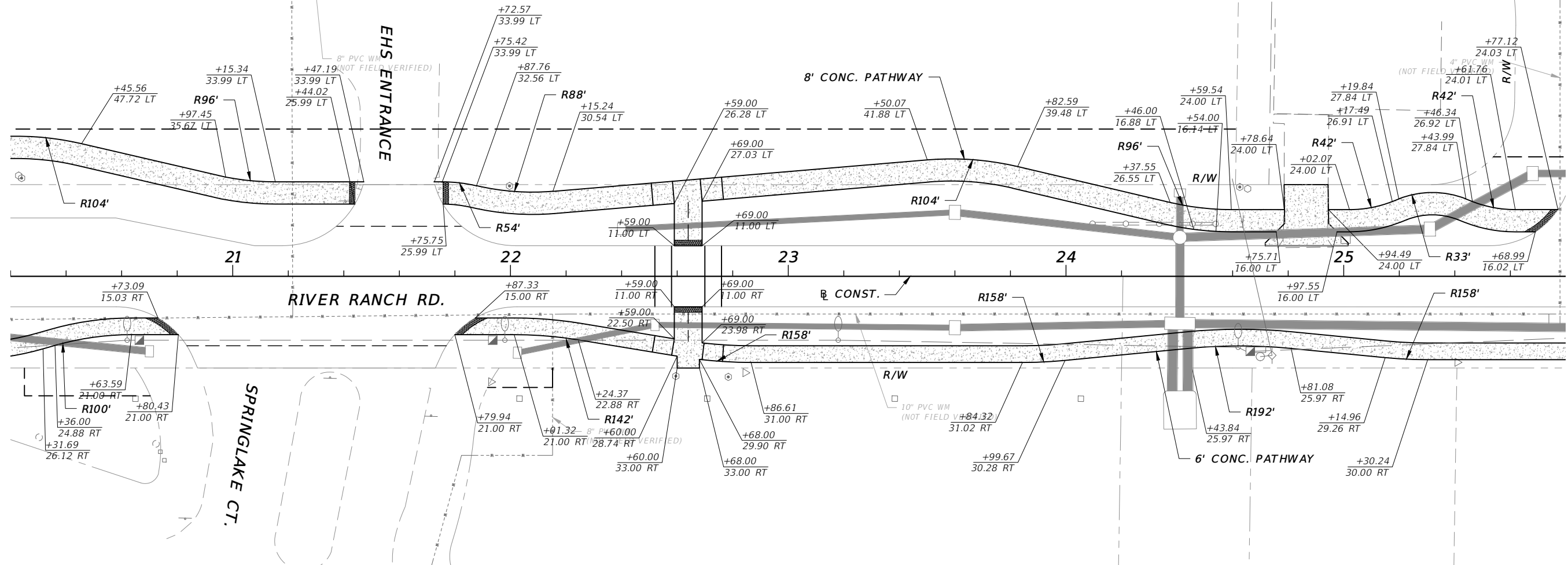
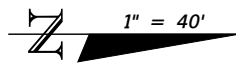
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO.
27

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



1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

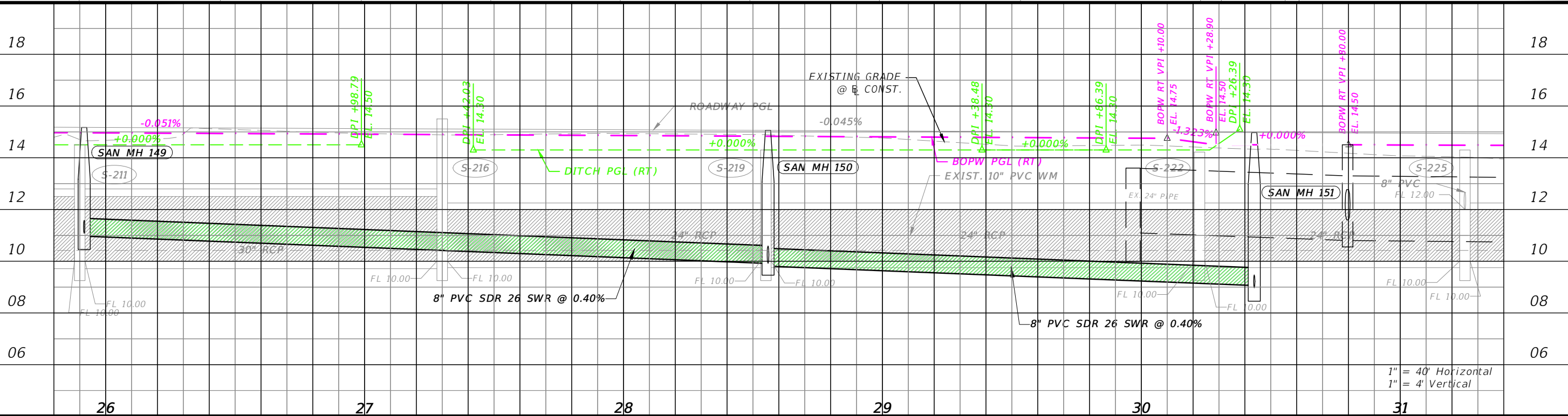
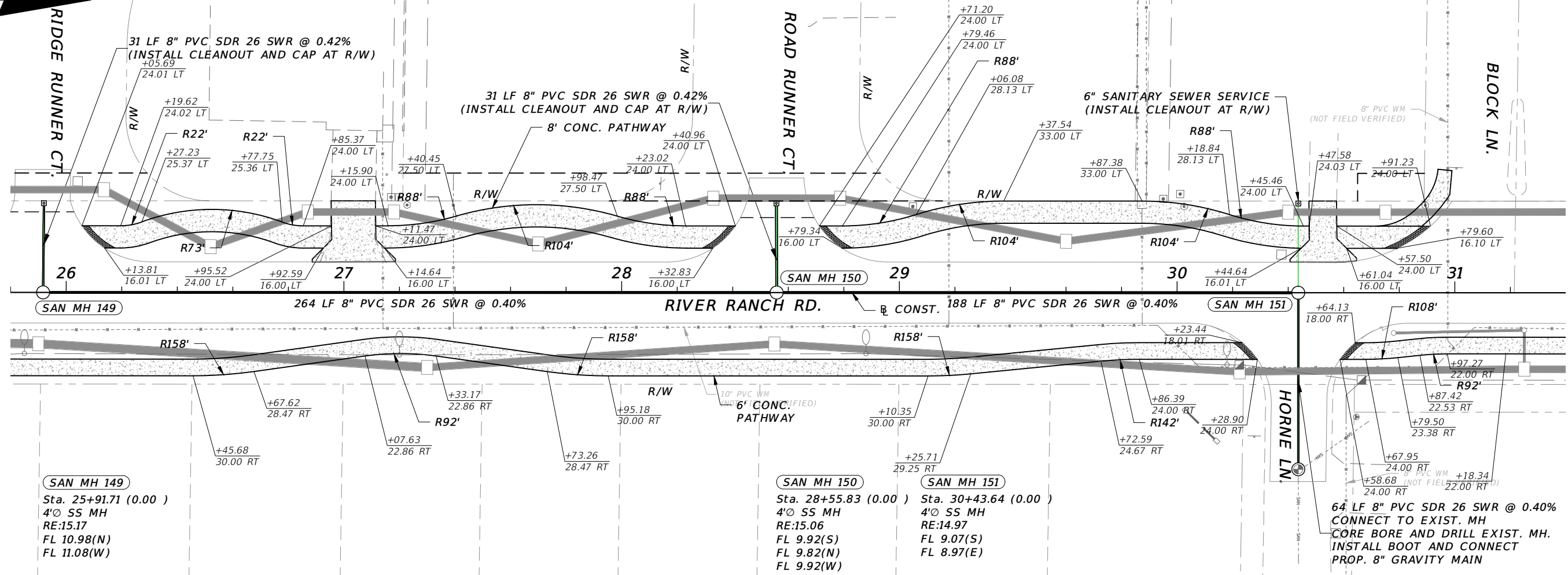
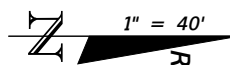
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**PATHWAY LAYOUT PLAN AND
RIGHT PROFILE**

SHEET NO.
28

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

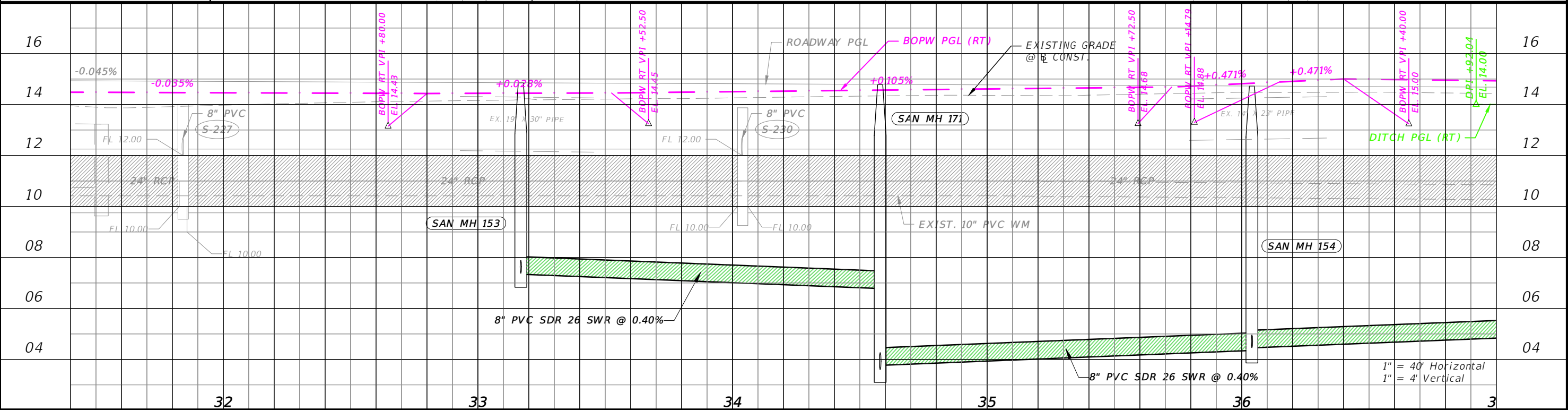
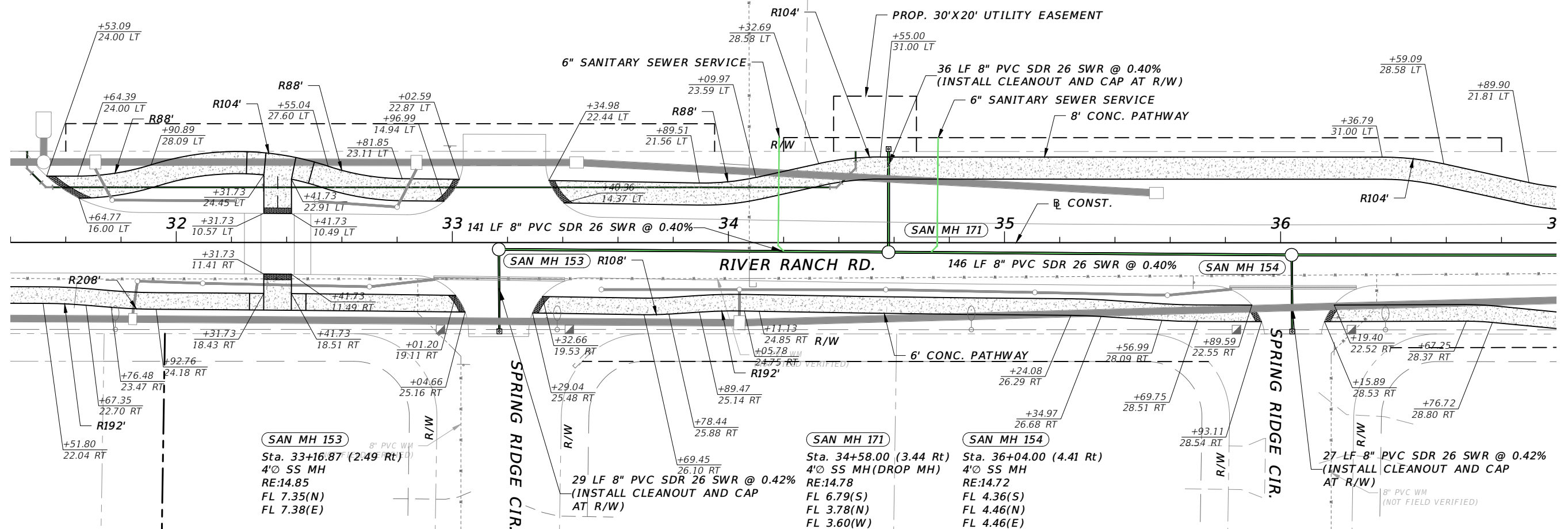
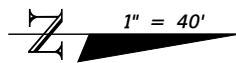
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 29

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

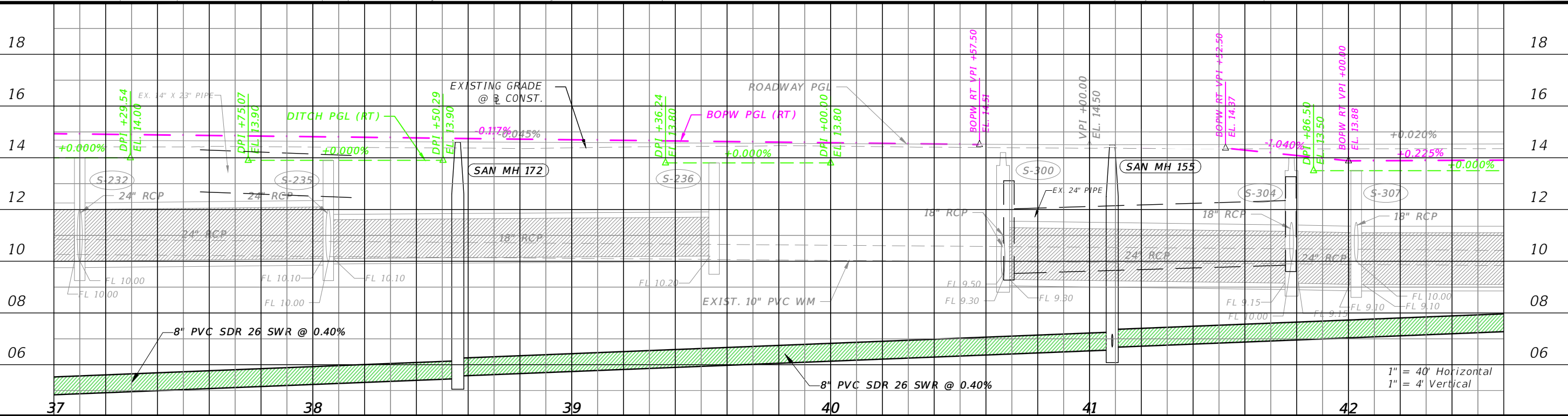
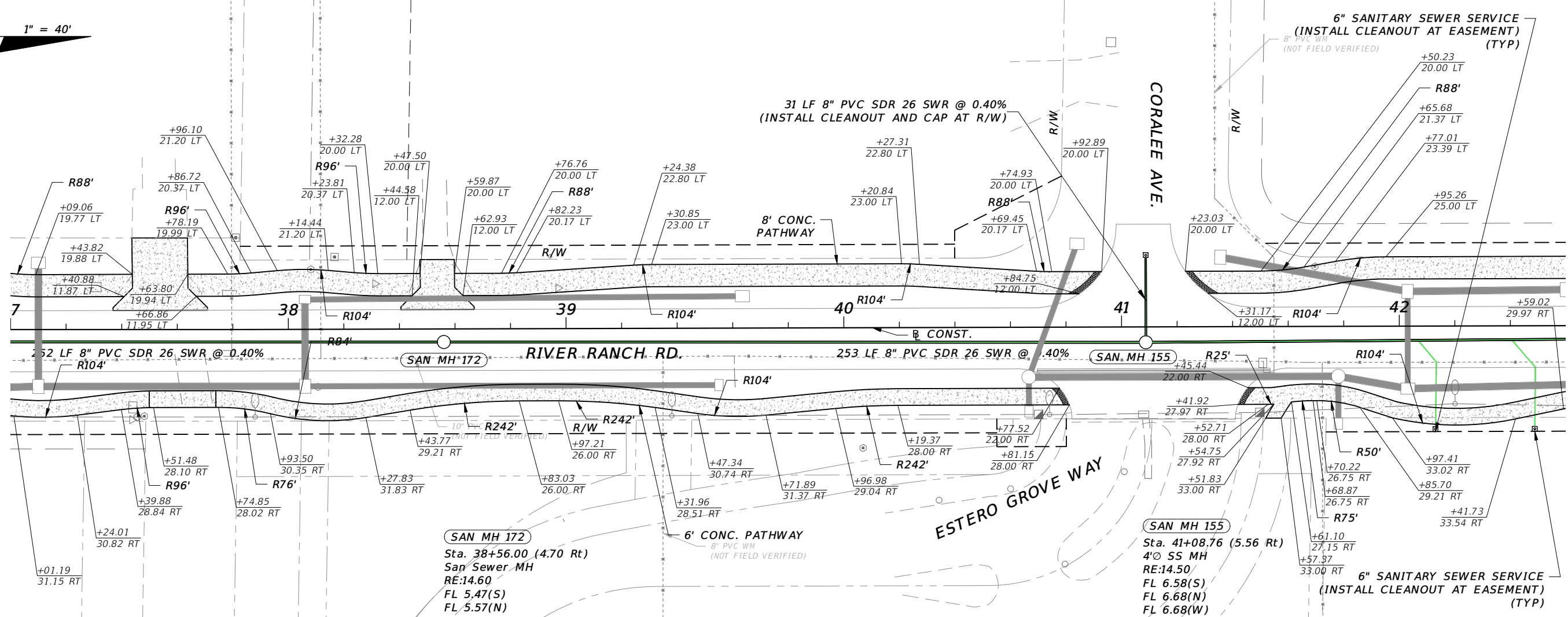
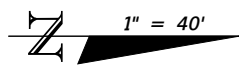
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 30

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

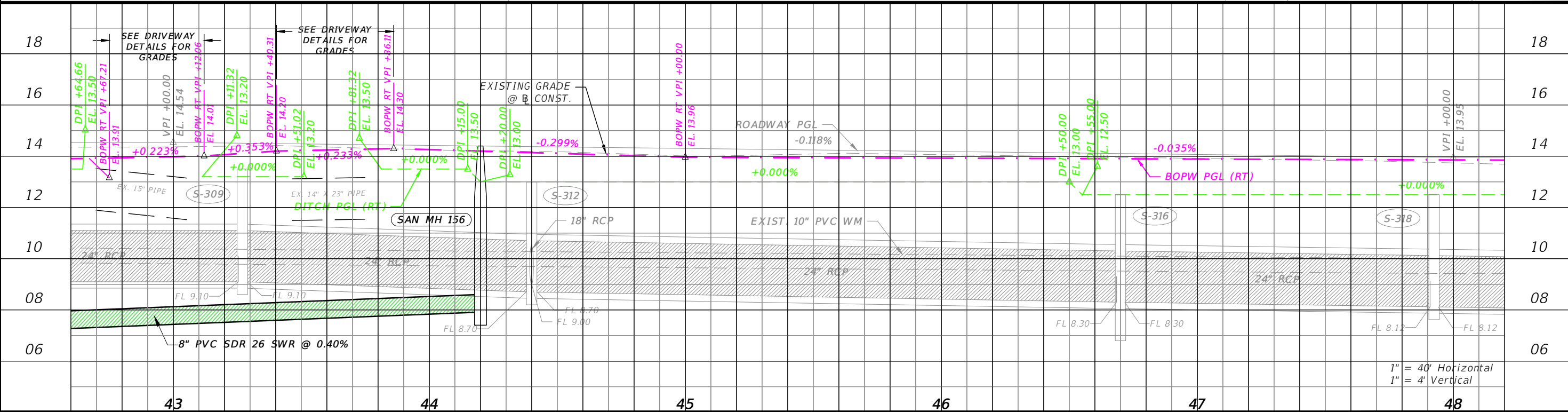
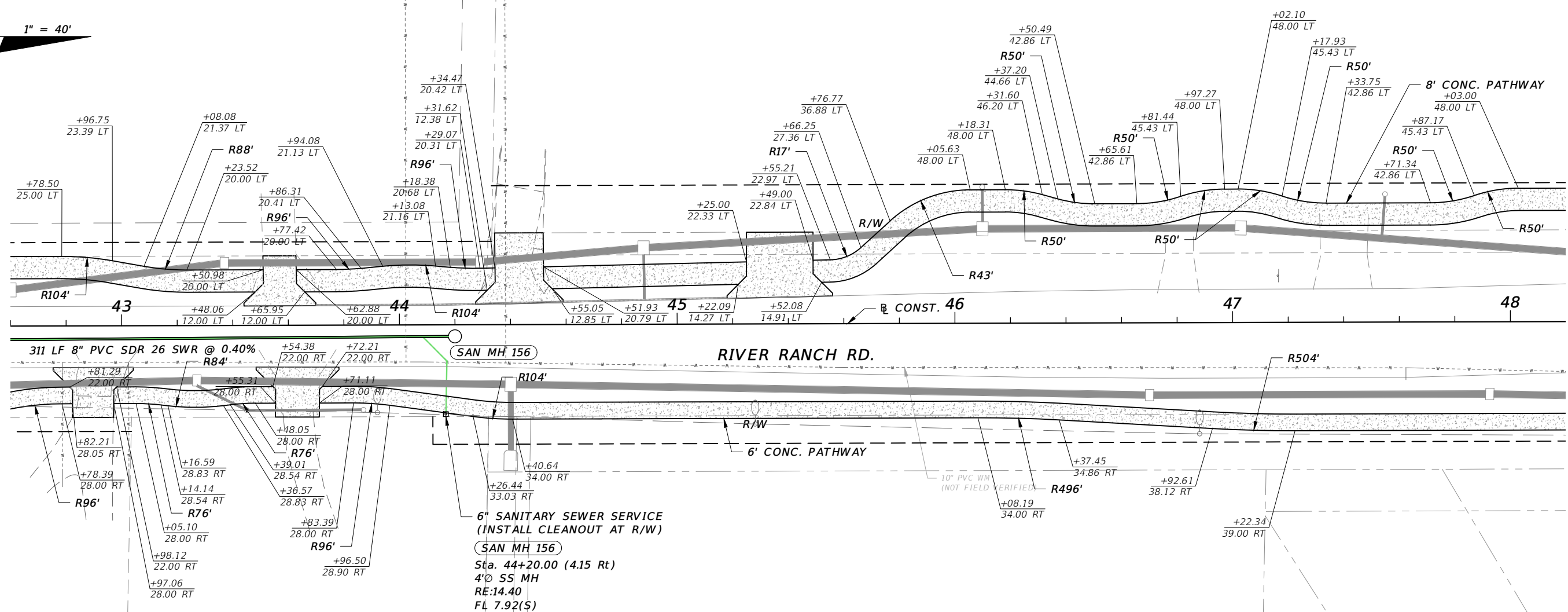
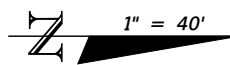
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD.
 ROADWAY IMPROVEMENTS
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 31

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

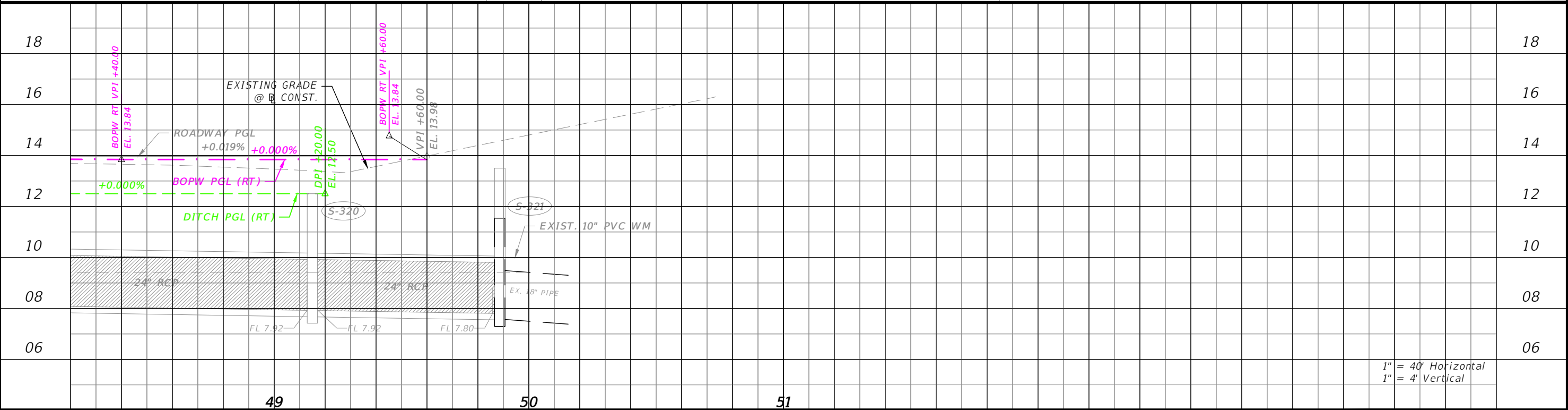
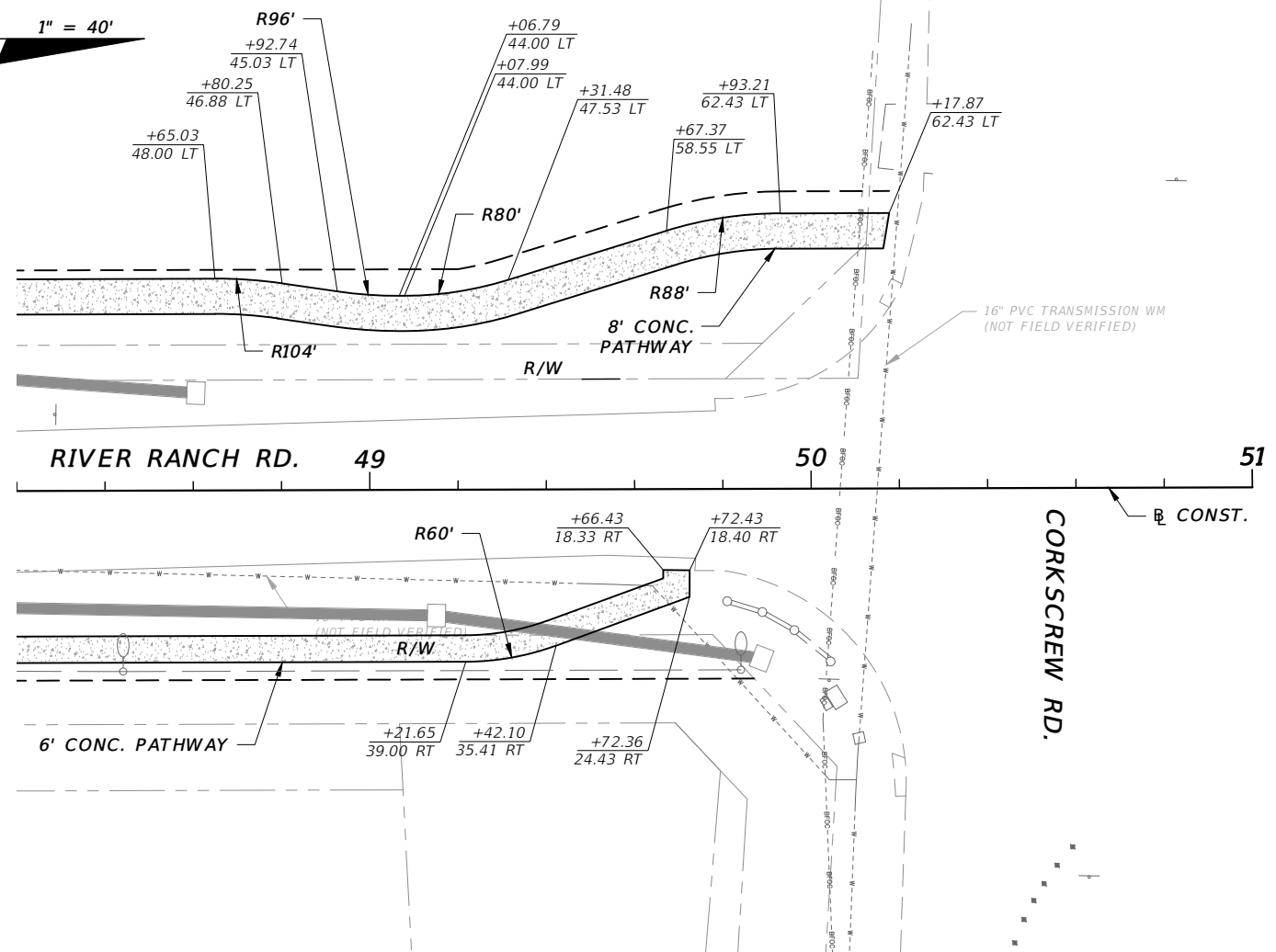
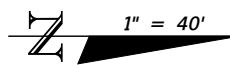
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**
 CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

**PATHWAY LAYOUT PLAN AND
 RIGHT PROFILE**

SHEET NO. 32

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1" = 40' Horizontal
1" = 4' Vertical

REVISIONS			
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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

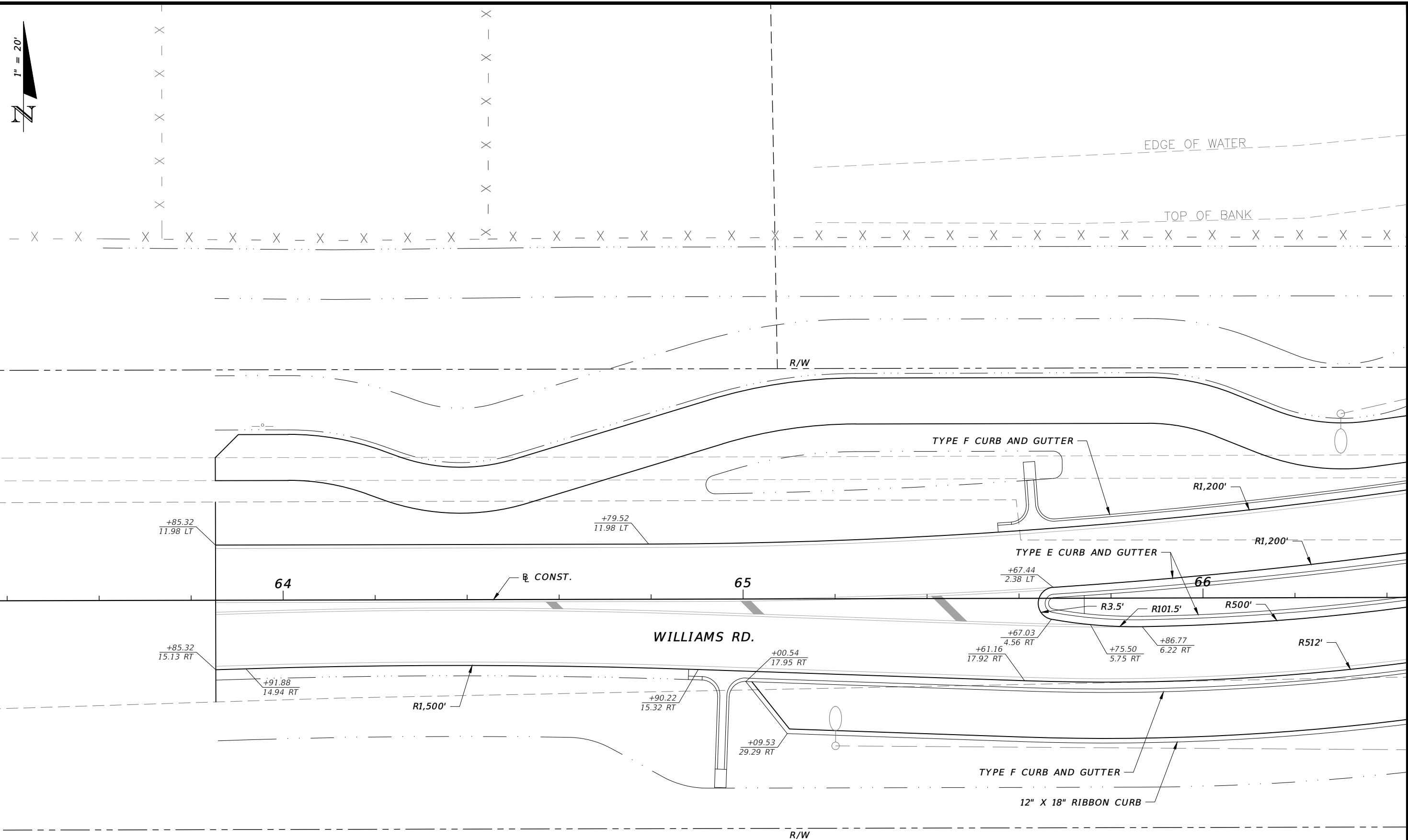
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**PATHWAY LAYOUT PLAN AND
RIGHT PROFILE**

SHEET NO.
33

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REVISIONS	
DATE	DESCRIPTION

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 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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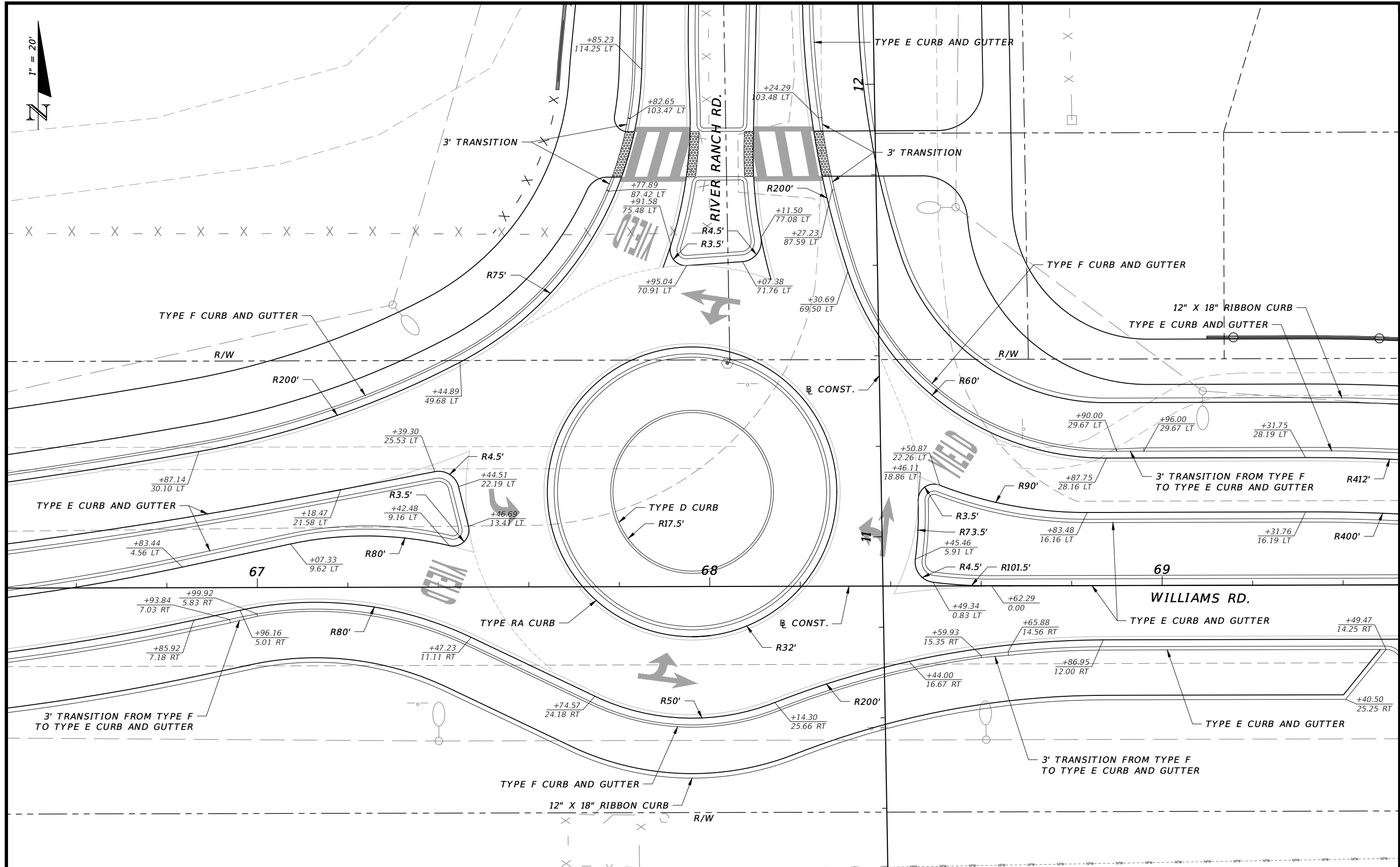
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 34

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DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

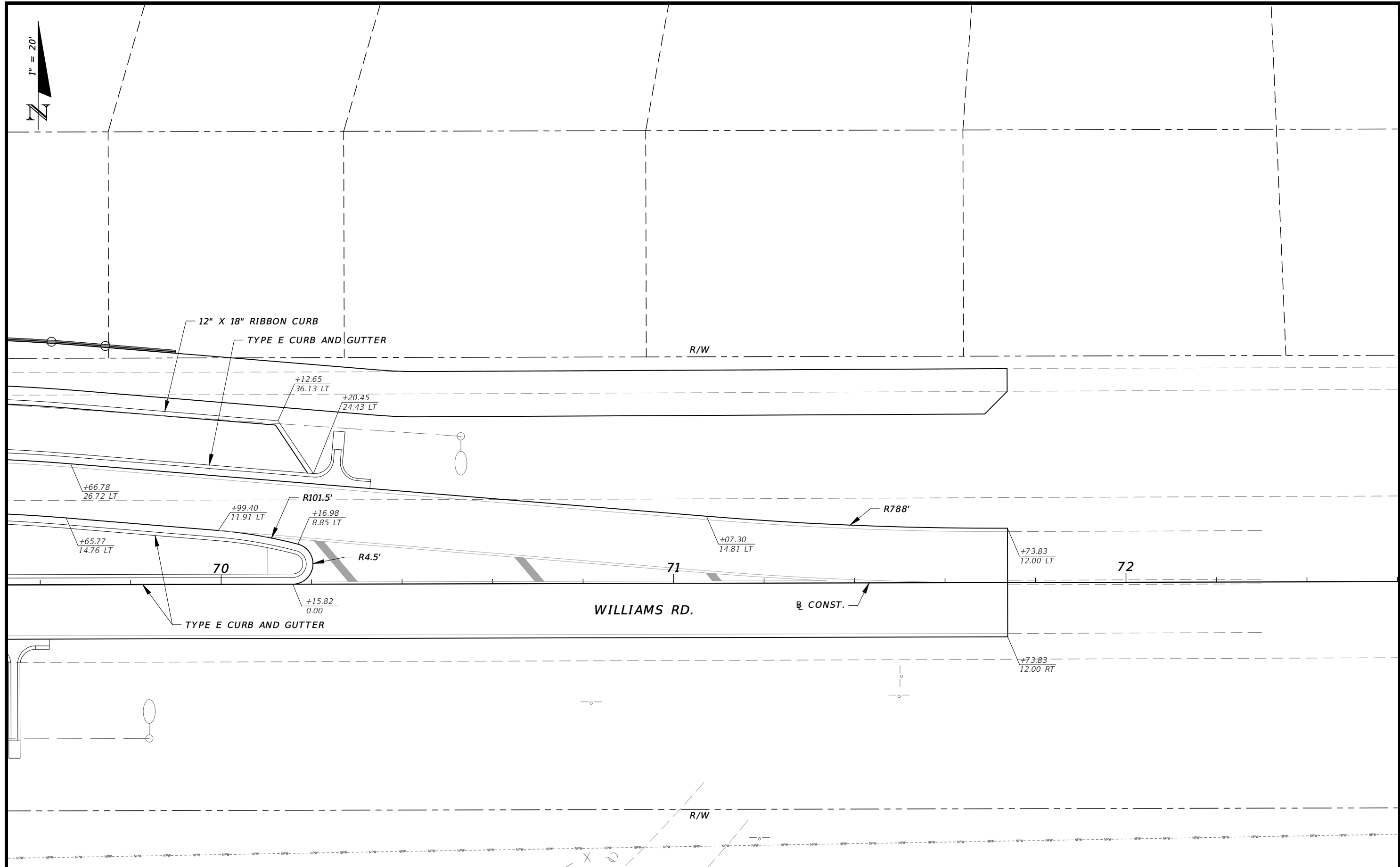
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 35

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
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 CLAIR WRIGHT, III P.E. No. 64089

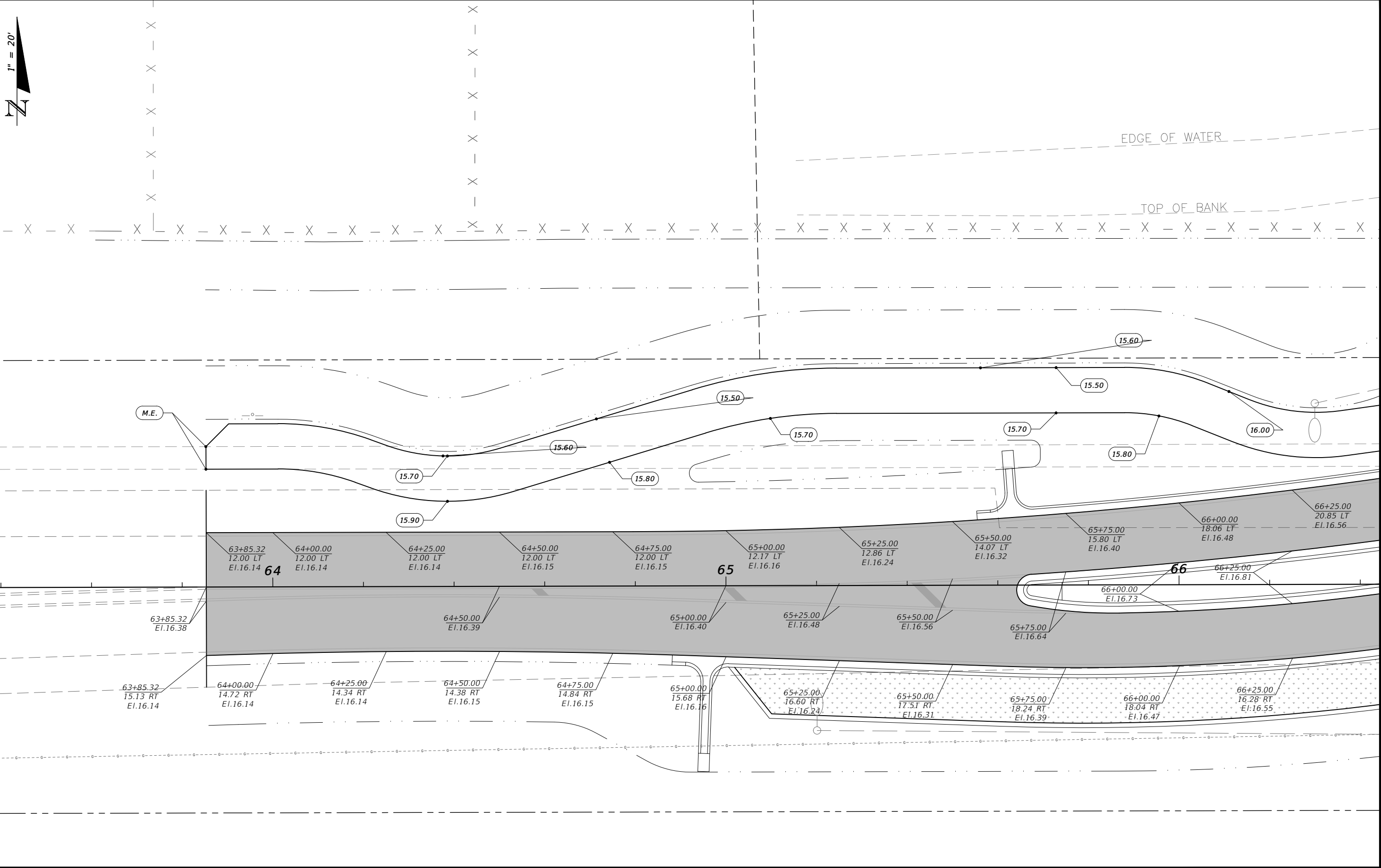
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
36

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

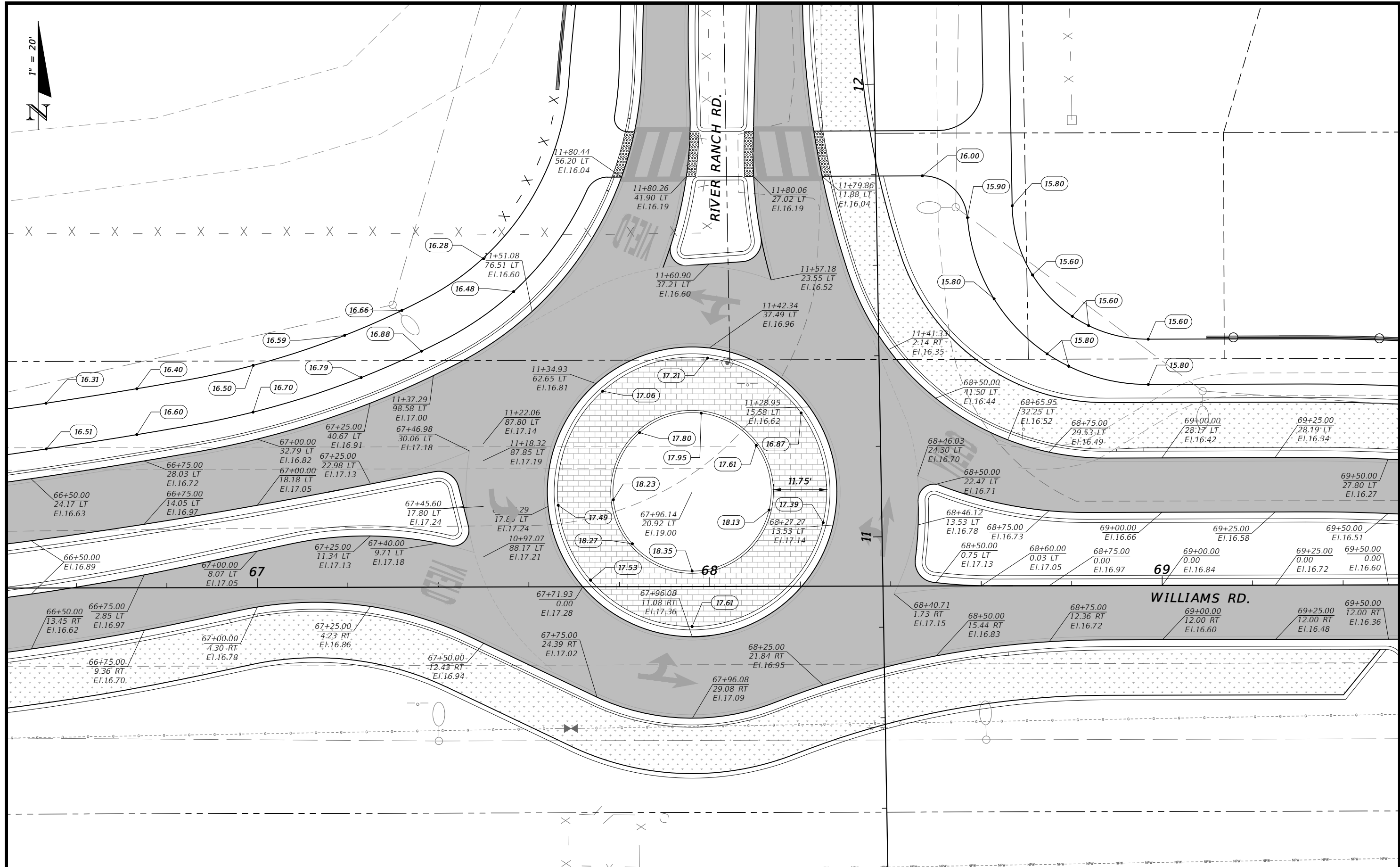
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
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 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

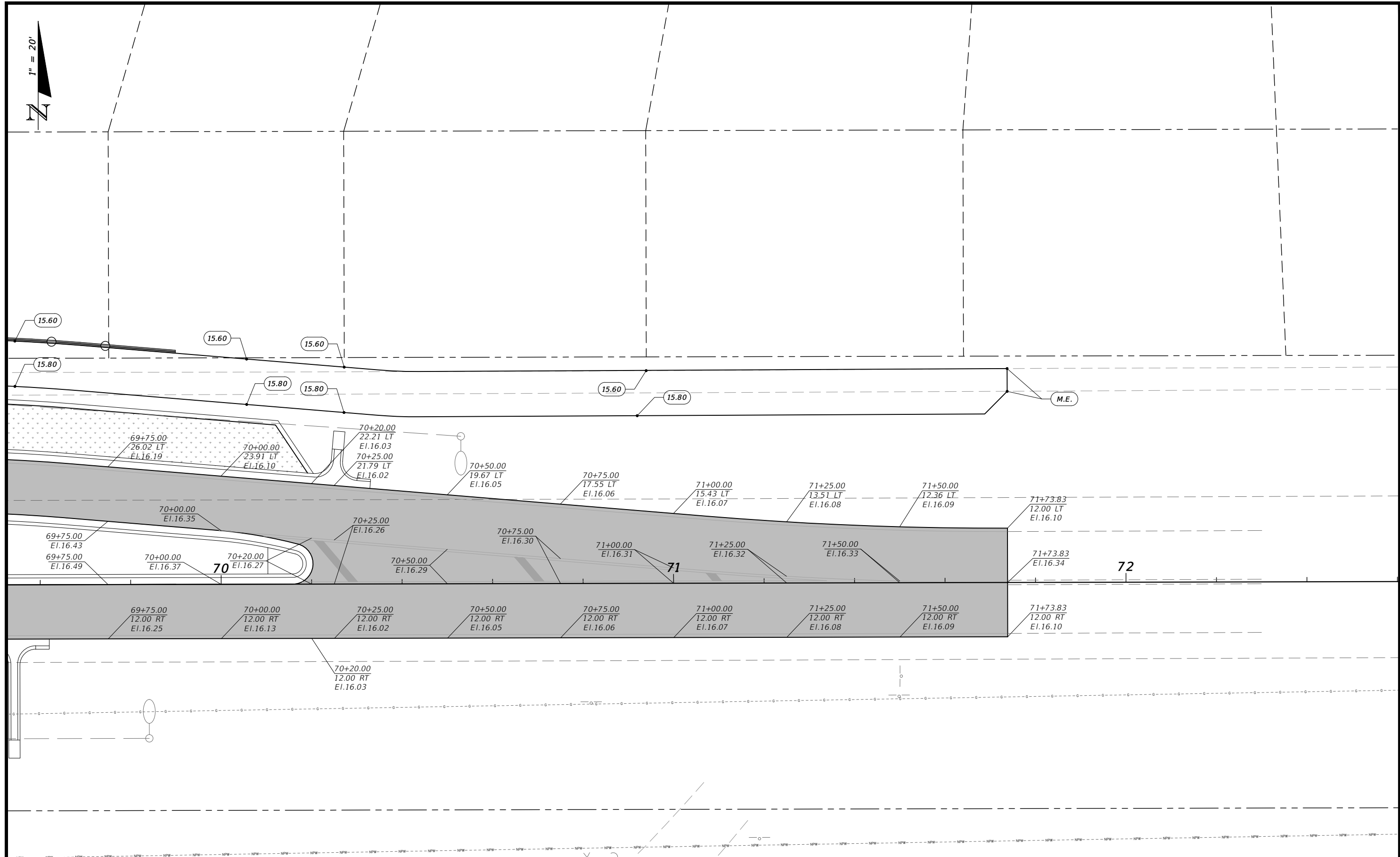
**INTERSECTION
LAYOUT/DETAILS**

SHEET NO.
37



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REVISIONS				 CW3 ENGINEERING, INC. 5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089	RIVER RANCH RD. ROADWAY IMPROVEMENTS		INTERSECTION LAYOUT/DETAILS	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #		
				VILLAGE OF ESTERO	19-0046			



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
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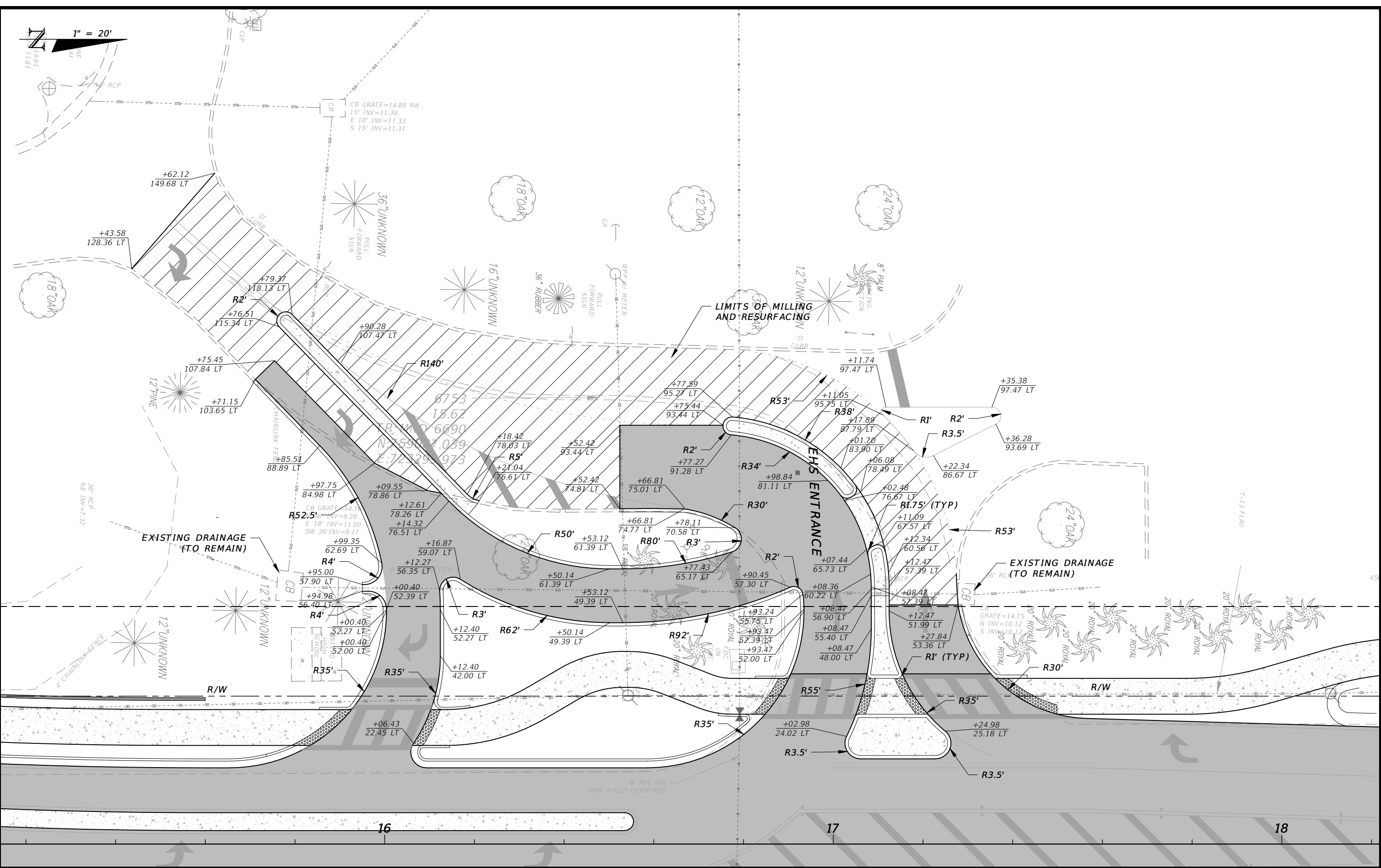
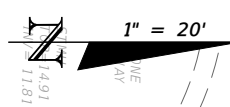
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 39

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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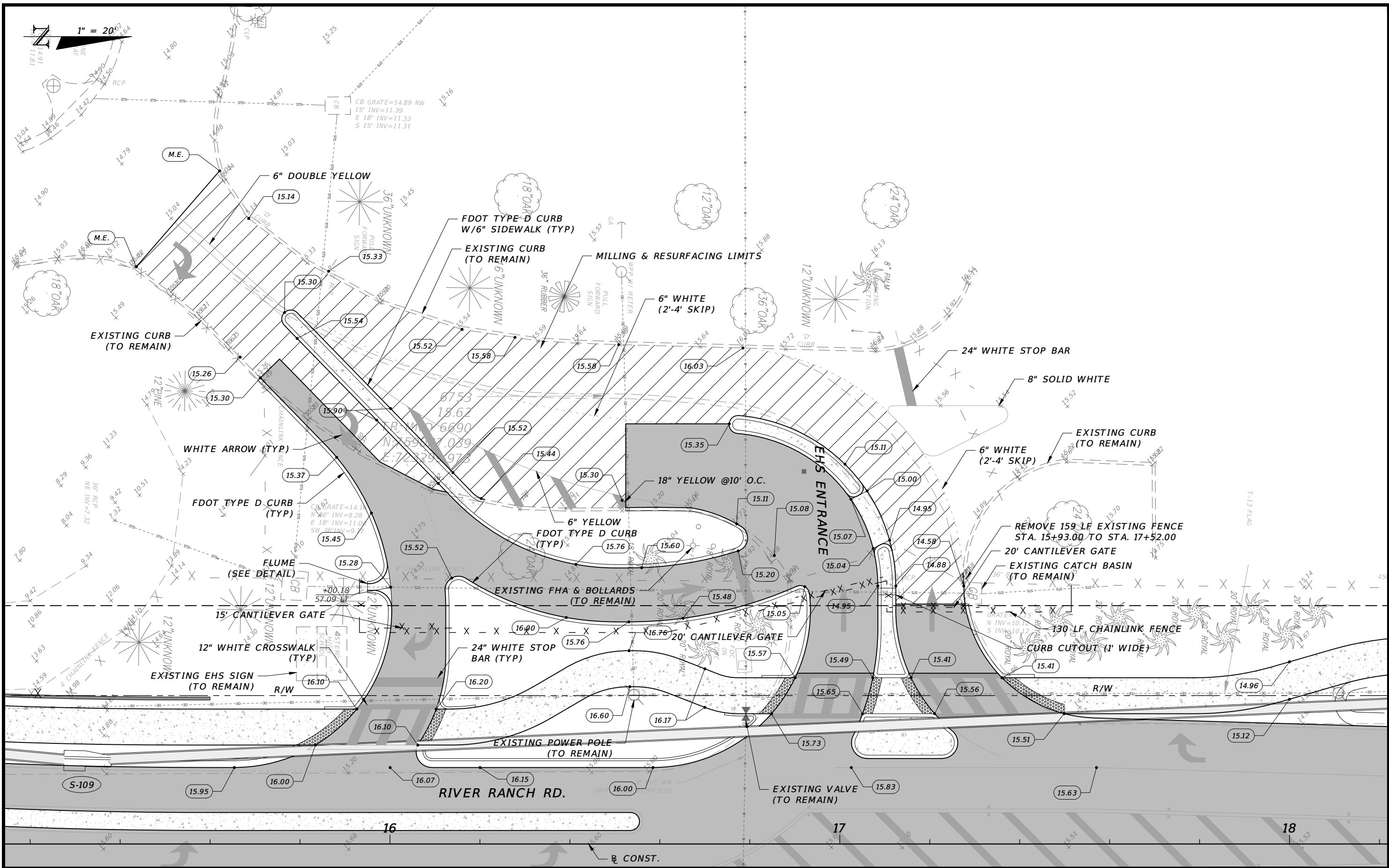
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO. 40

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

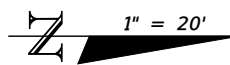
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

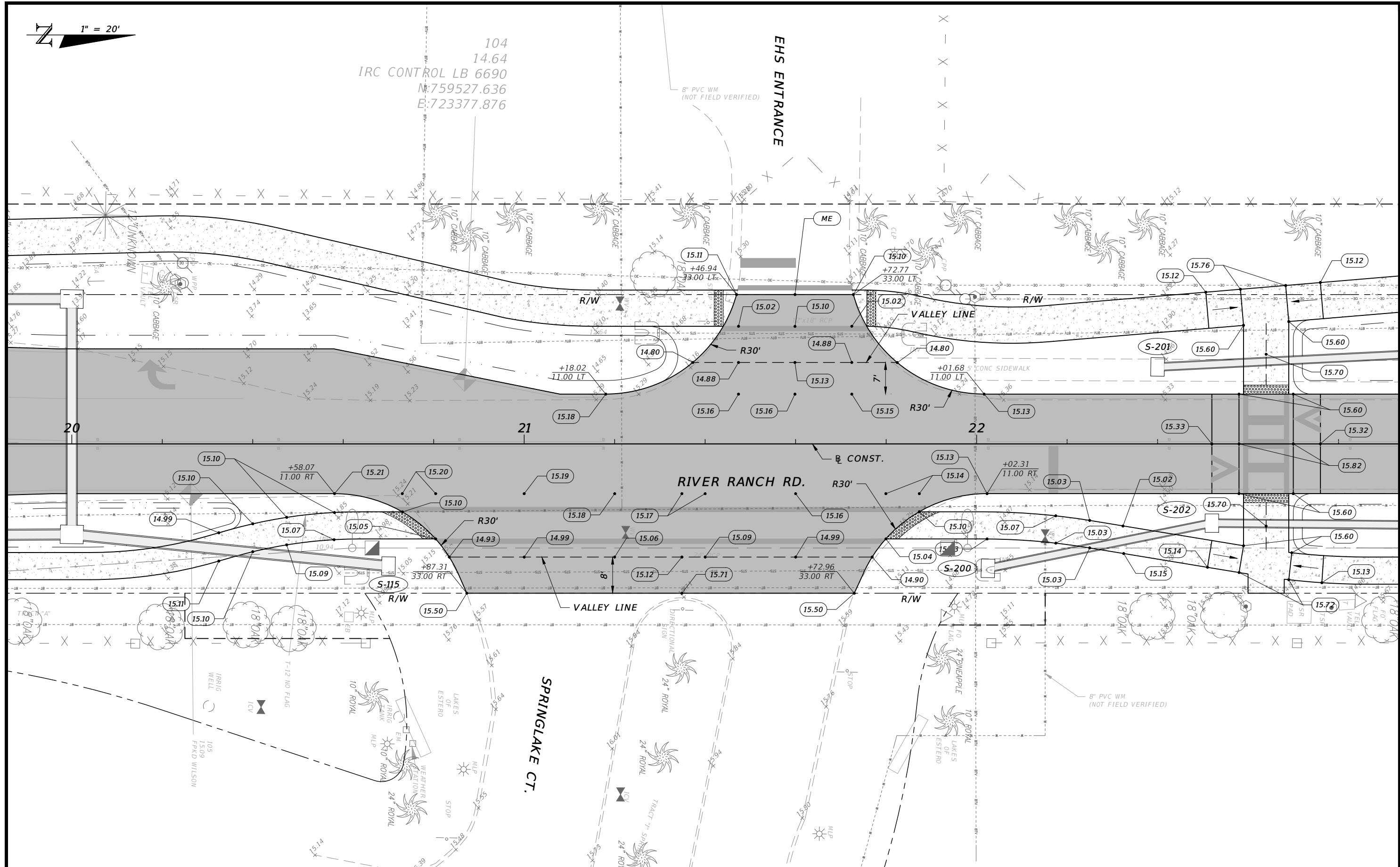
**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 41

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104
14.64
IRC CONTROL LB 6690
N: 759527.636
E: 723377.876



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917
PH. 239-205-6473
WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

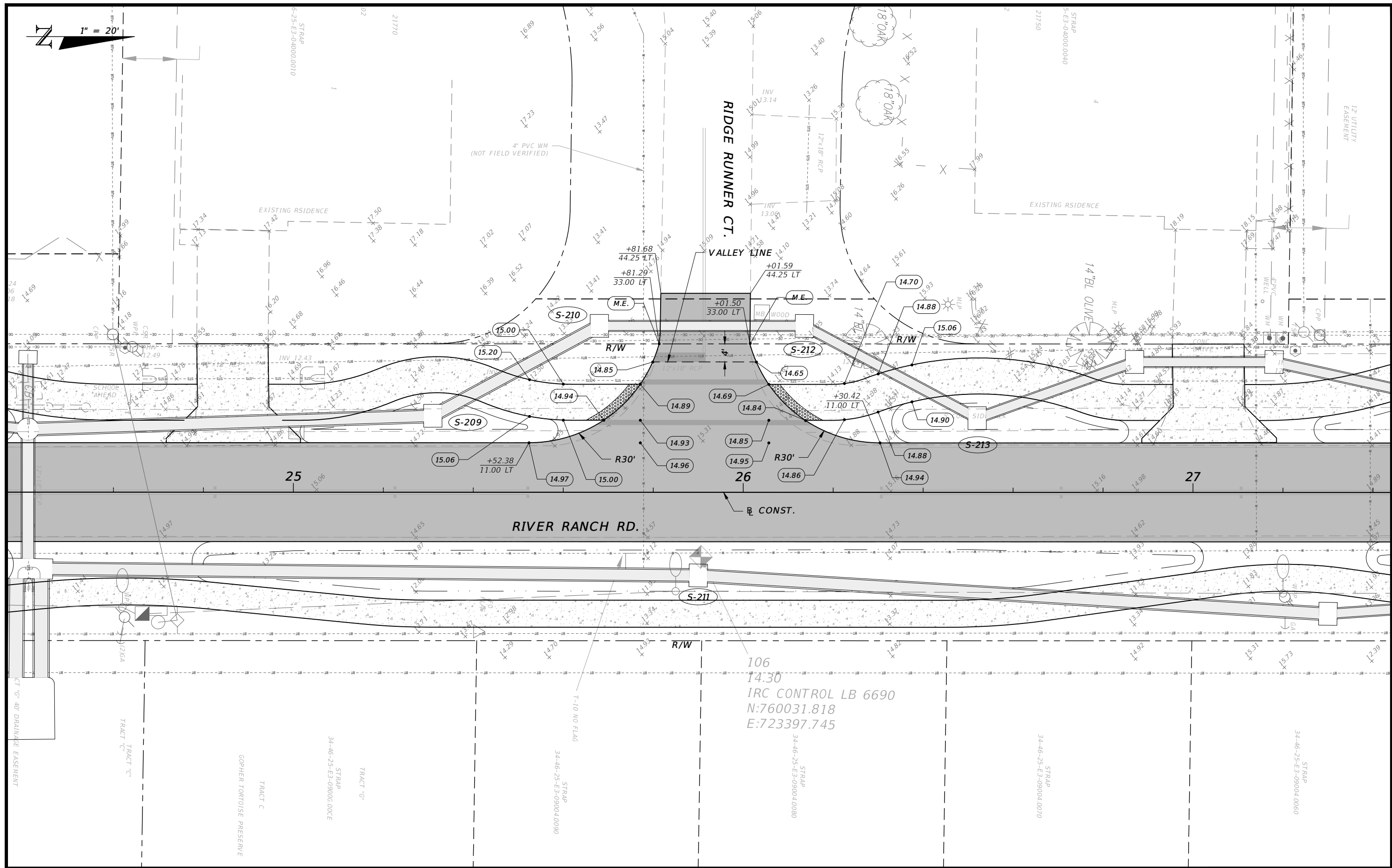
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
LAYOUT/DETAILS**

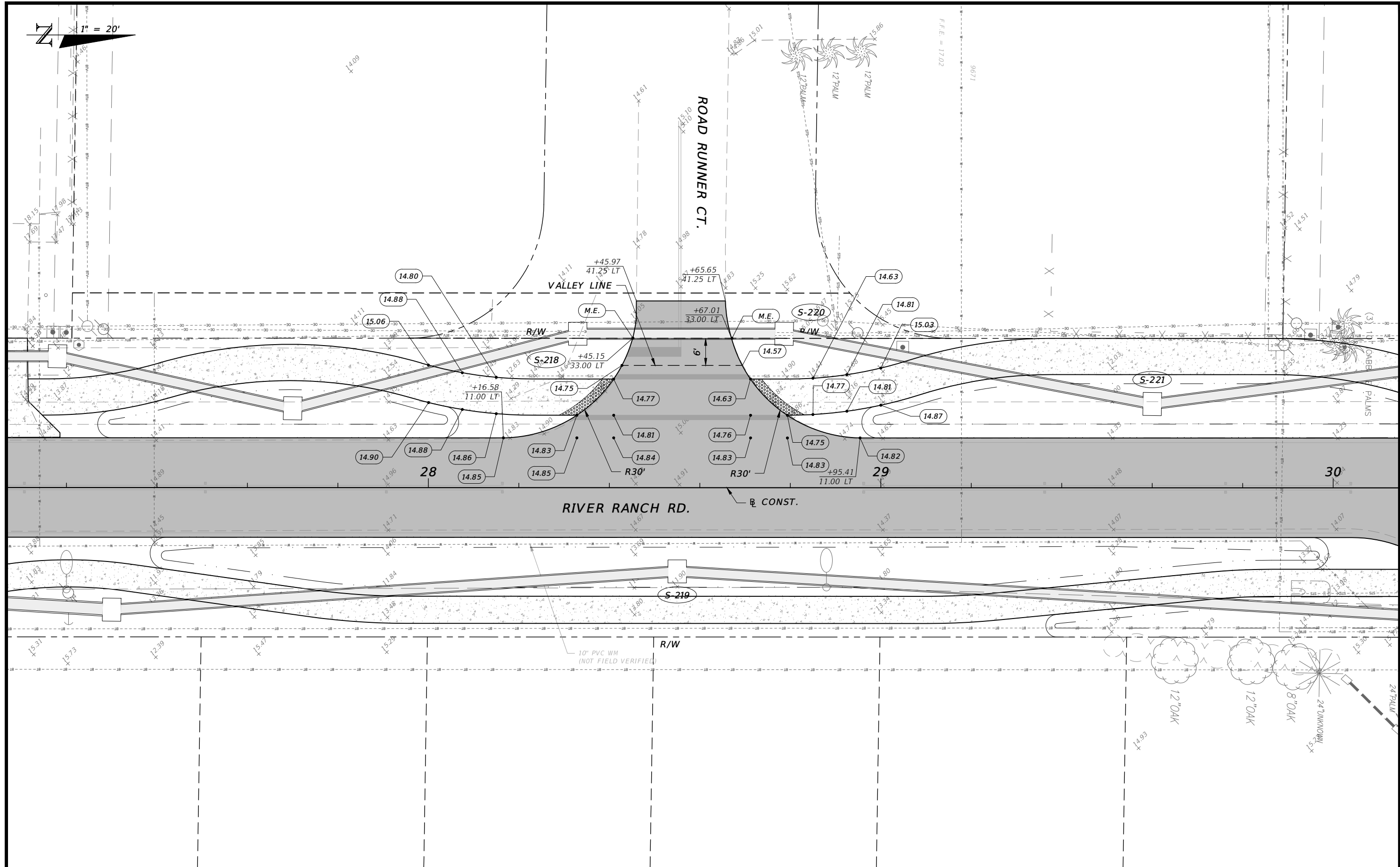
SHEET NO.
42

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REVISIONS				CW3 ENGINEERING, INC. <small>5783 BAYSHORE RD., SUITE 113 NORTH FT. MYERS, FL 33917 PH. 239-205-6473 WEBSITE: WWW.CW-3.COM CLAIR WRIGHT, III P.E. No. 64089</small>	RIVER RANCH RD. ROADWAY IMPROVEMENTS		<h2 style="margin: 0;">INTERSECTION LAYOUT/DETAILS</h2>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #		
					VILLAGE OF ESTERO	19-0046	43	



CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

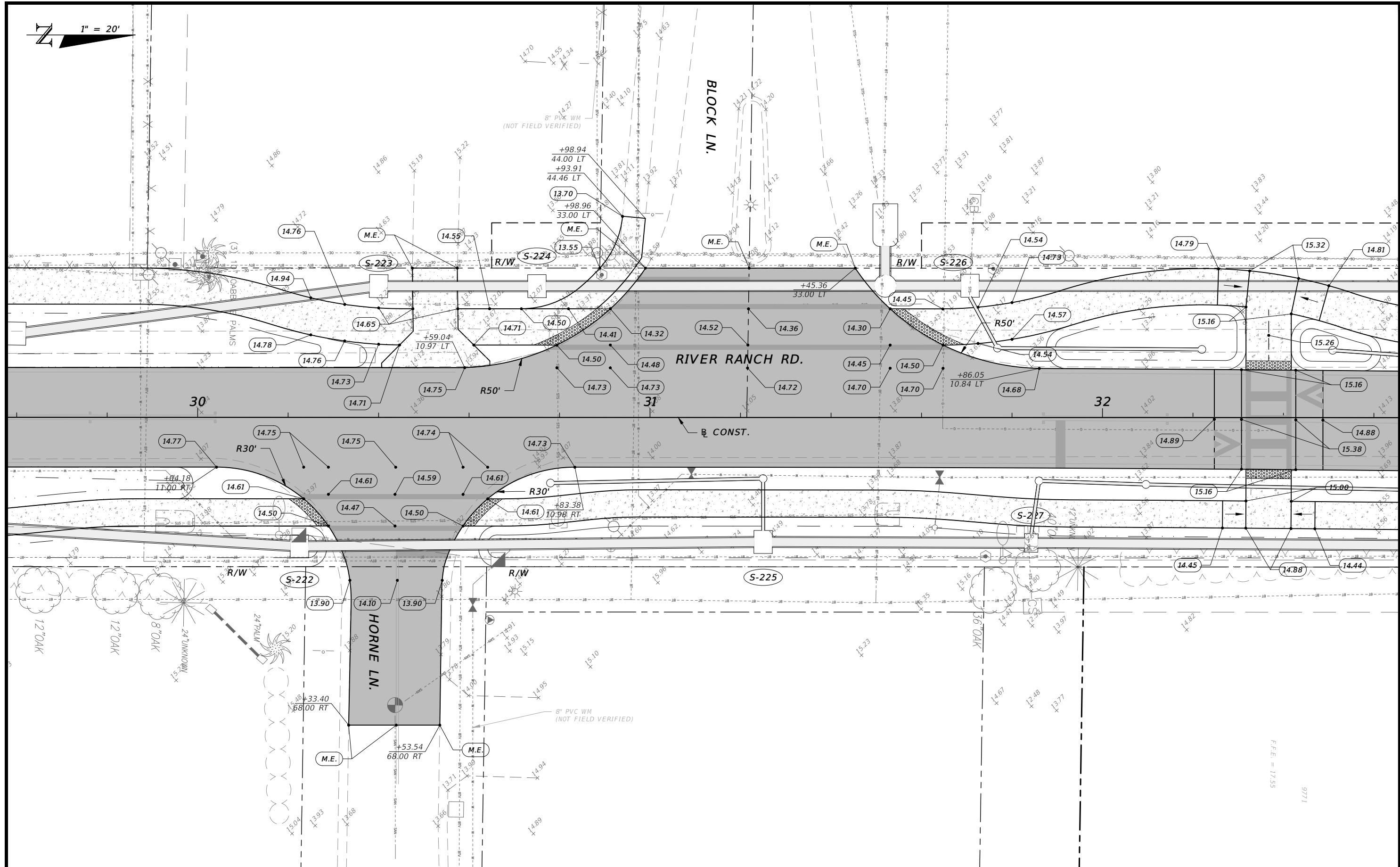
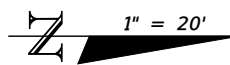
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 44

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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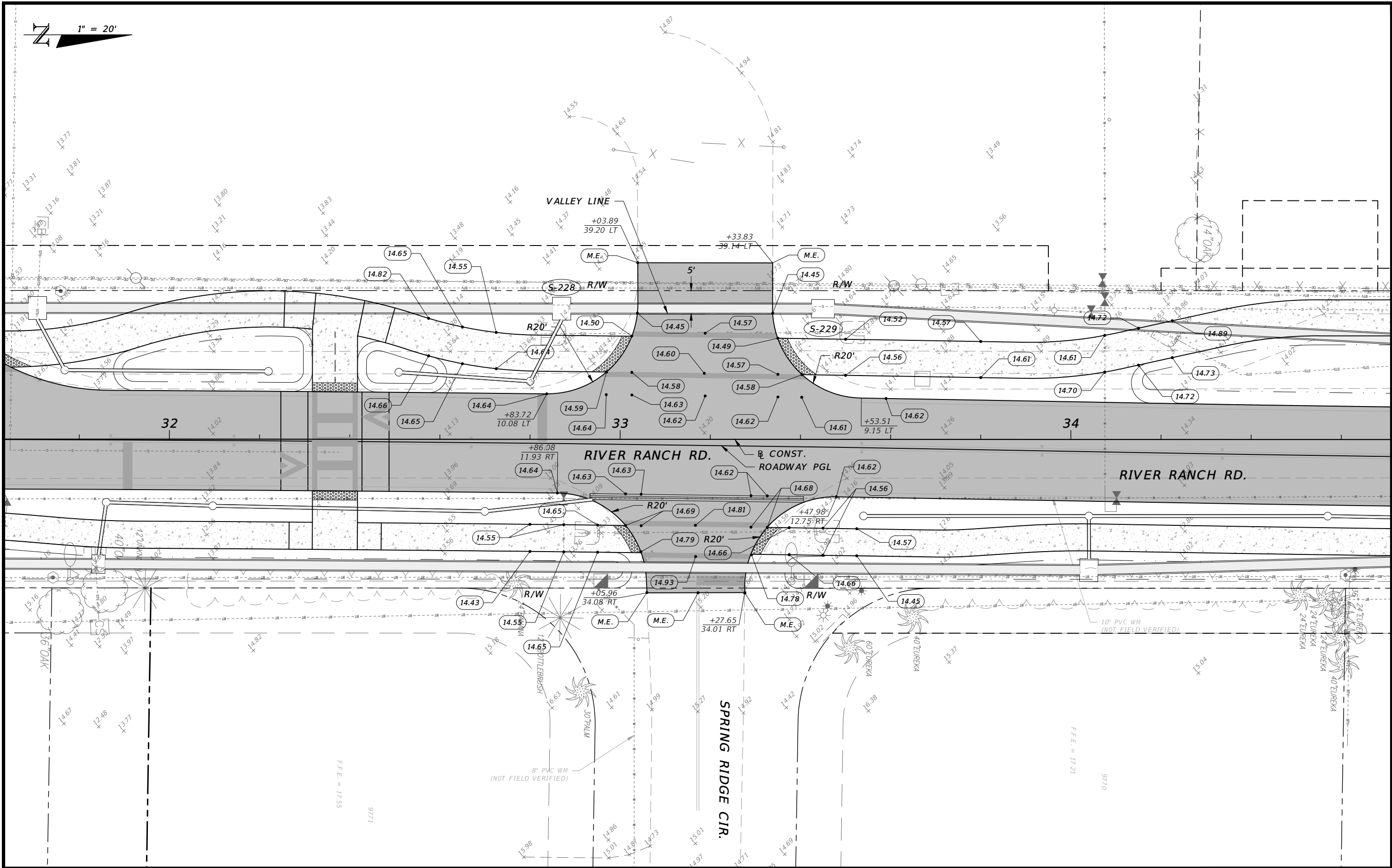
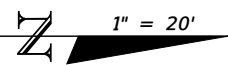
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
45

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REVISIONS	
DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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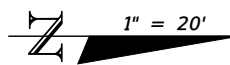
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

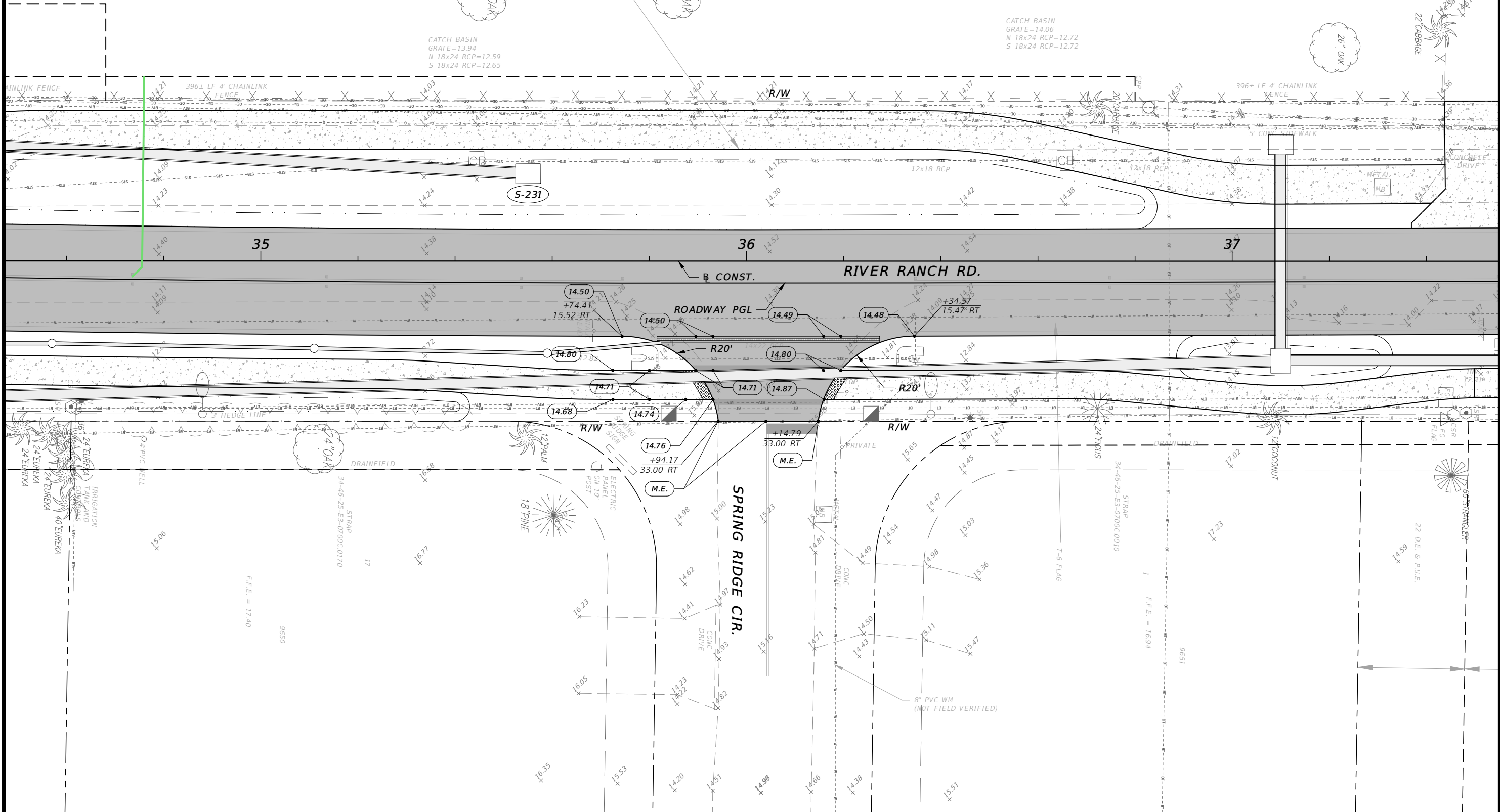
**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 46

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



109
14.26
MND BANKS ENG LB 6690
N:761038.829
E:723343.030



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
5783 BAYSHORE RD., SUITE 113
NORTH FT. MYERS, FL 33917
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WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

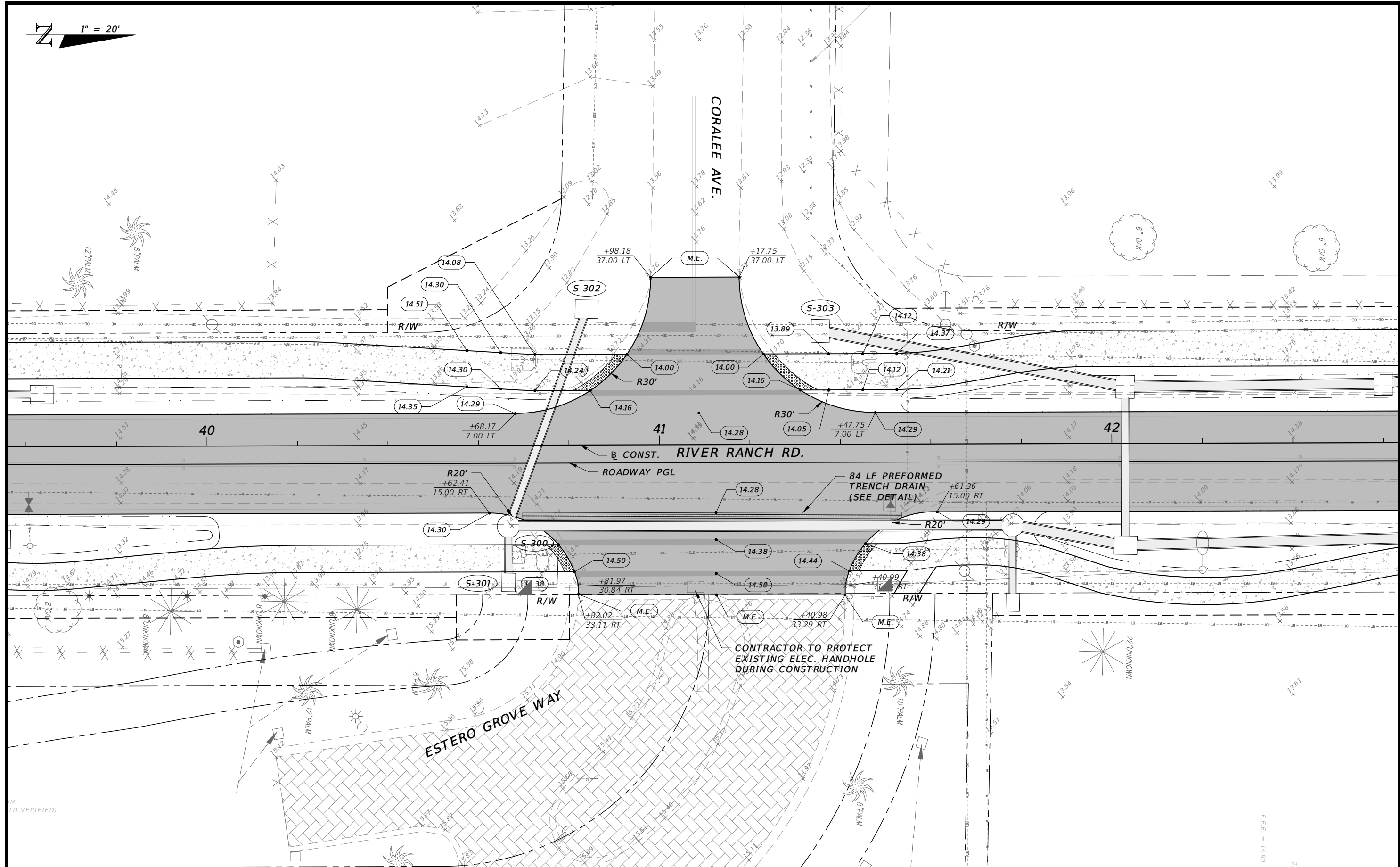
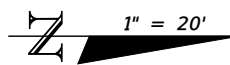
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
LAYOUT/DETAILS**

SHEET NO.
47

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REVISIONS			
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 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

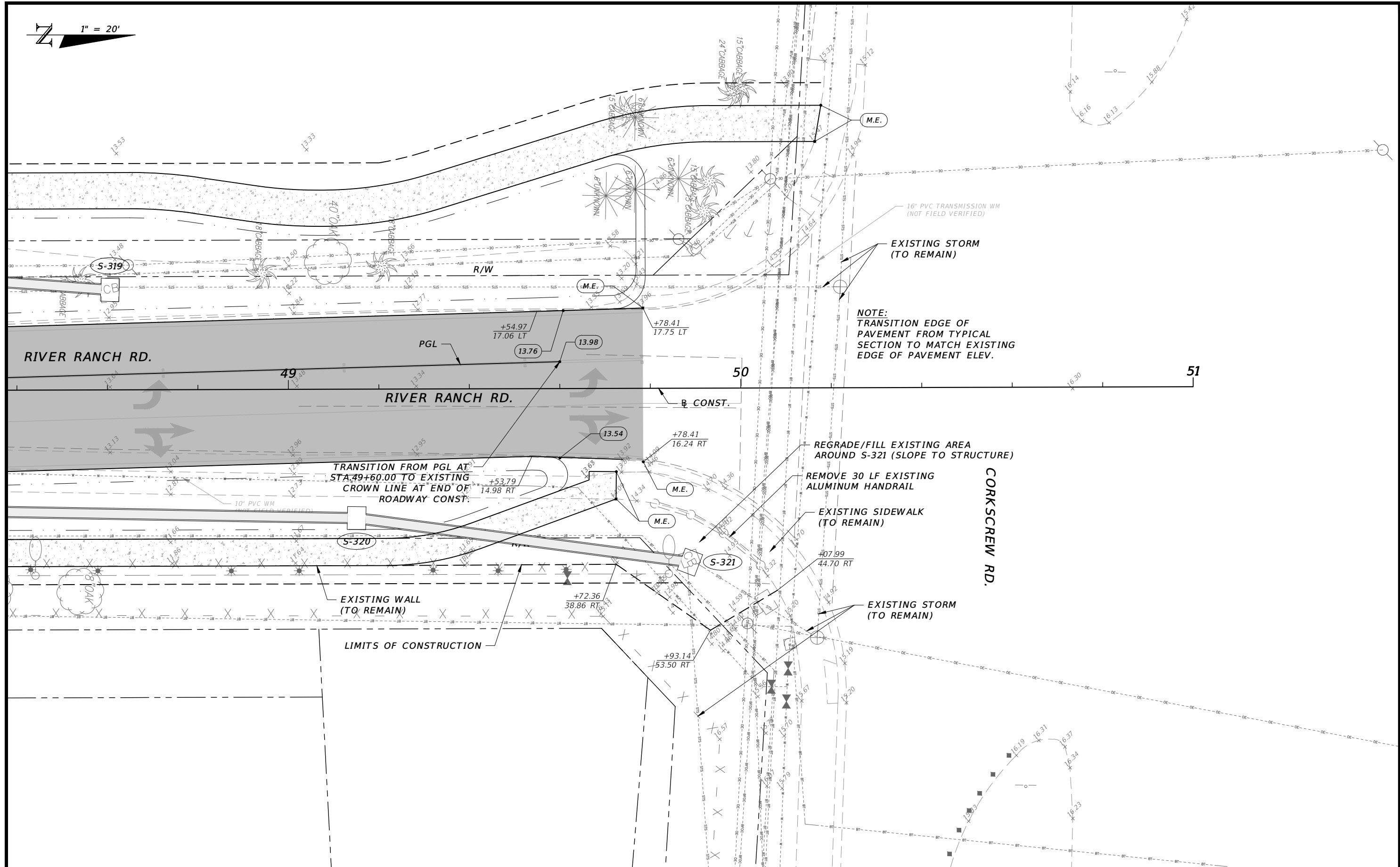
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**INTERSECTION
 LAYOUT/DETAILS**

SHEET NO.
 48

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1" = 20'



16" PVC TRANSMISSION WM
(NOT FIELD VERIFIED)

EXISTING STORM
(TO REMAIN)

NOTE:
TRANSITION EDGE OF
PAVEMENT FROM TYPICAL
SECTION TO MATCH EXISTING
EDGE OF PAVEMENT ELEV.

REGRADE/FILL EXISTING AREA
AROUND S-321 (SLOPE TO STRUCTURE)

REMOVE 30 LF EXISTING
ALUMINUM HANDRAIL

EXISTING SIDEWALK
(TO REMAIN)

EXISTING STORM
(TO REMAIN)

TRANSITION FROM PGL AT
STA. 49+60.00 TO EXISTING
CROWN LINE AT END OF
ROADWAY CONST.

EXISTING WALL
(TO REMAIN)

LIMITS OF CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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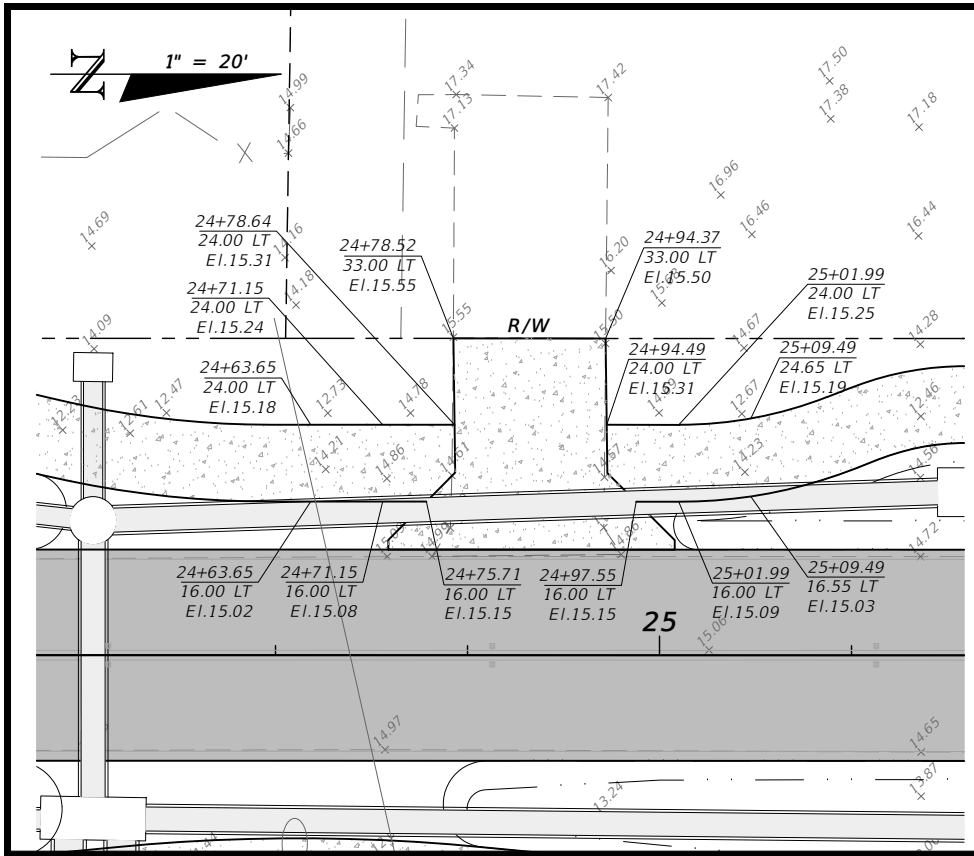
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

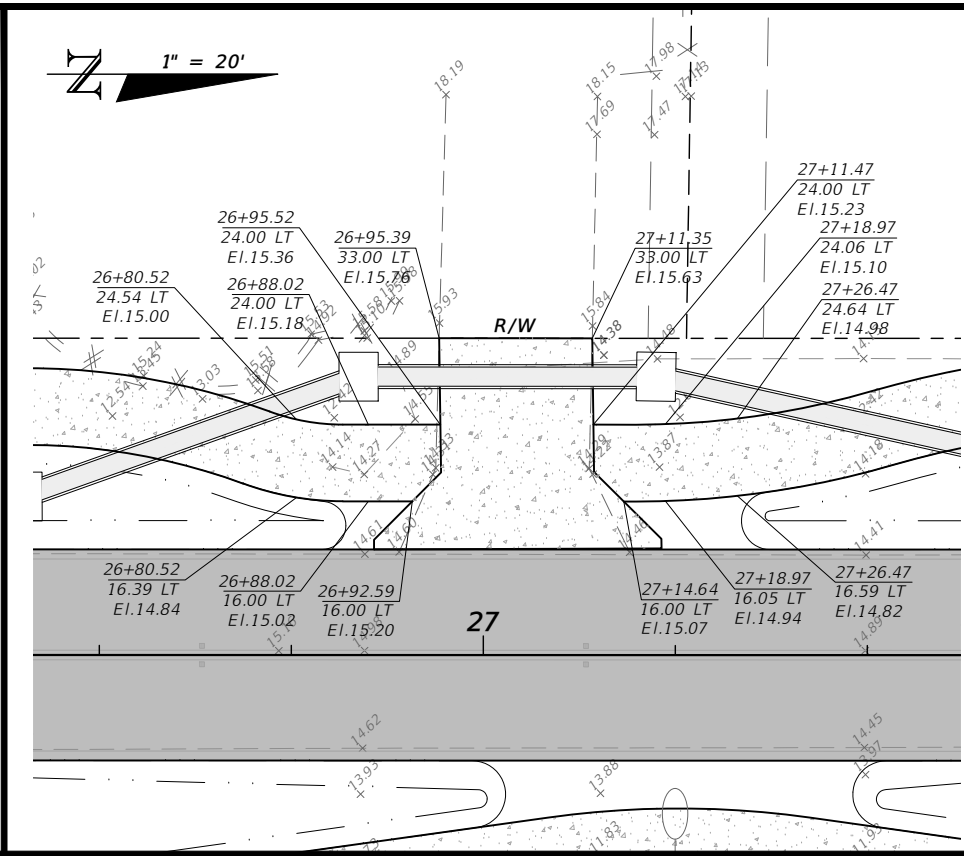
**INTERSECTION
LAYOUT/DETAILS**

SHEET NO. 49

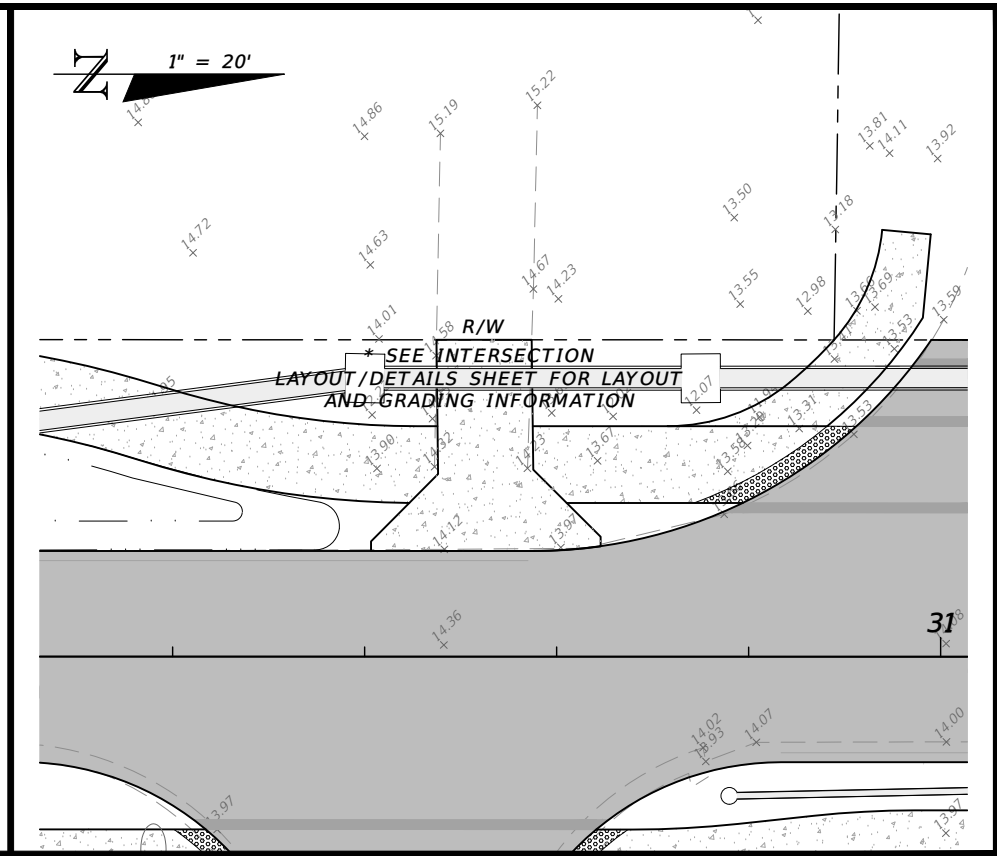
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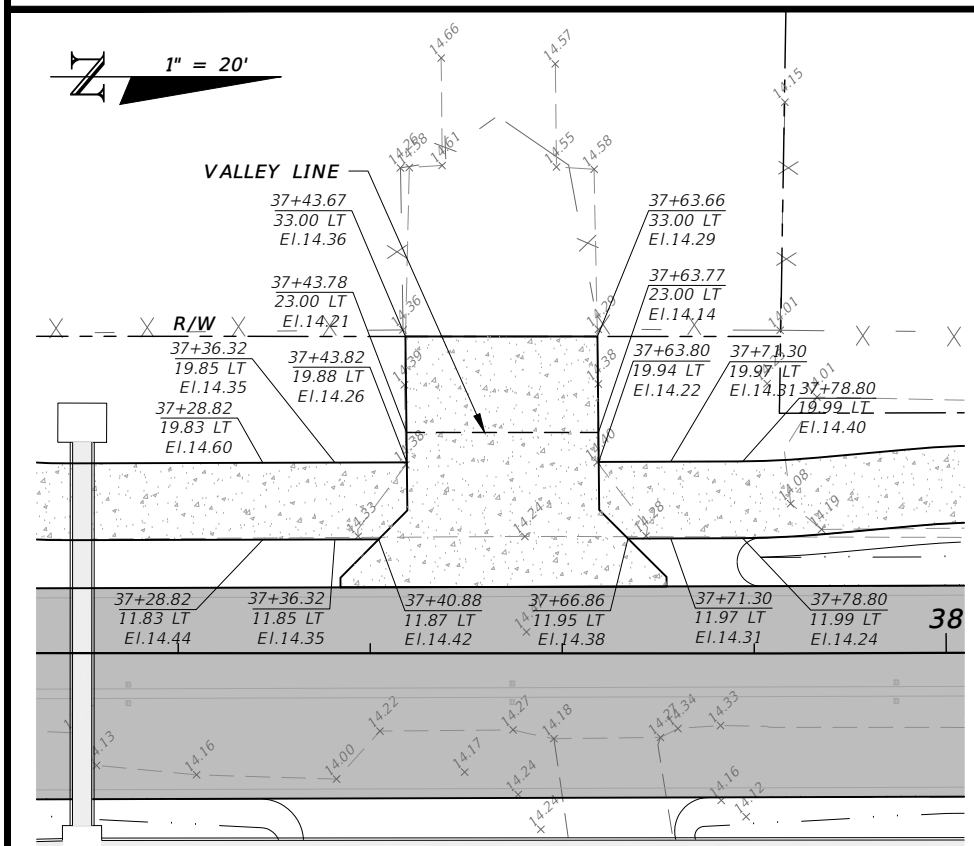
DRIVEWAY 1 (DW1)



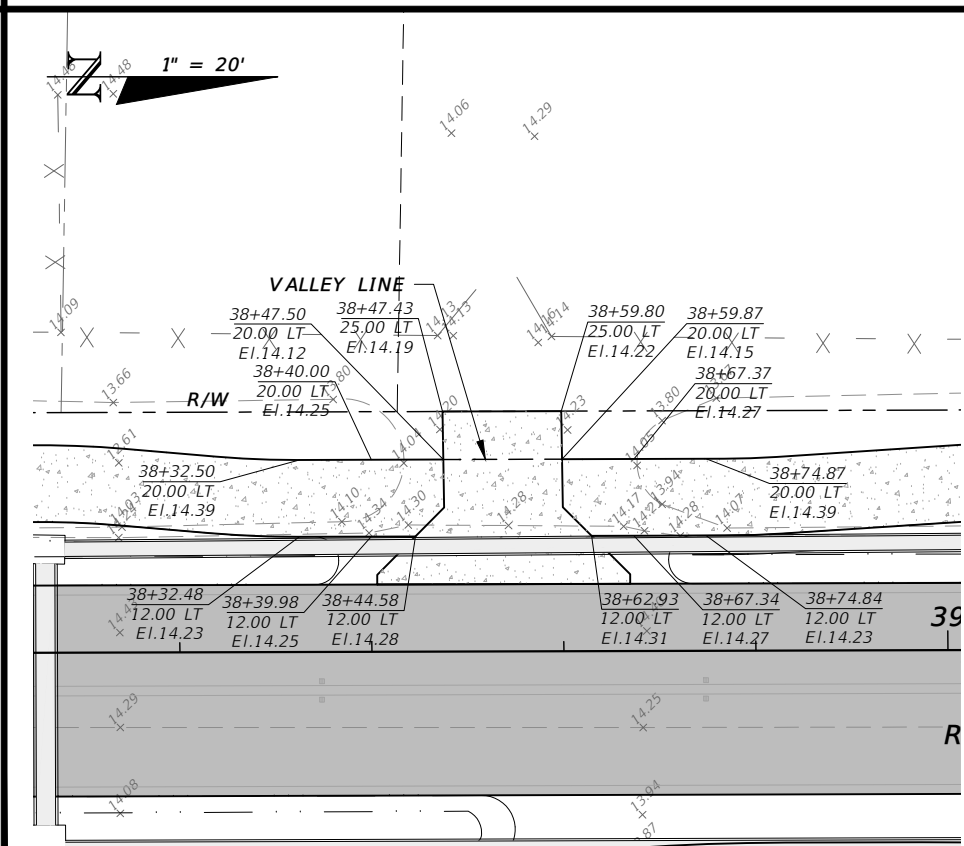
DRIVEWAY 2 (DW2)



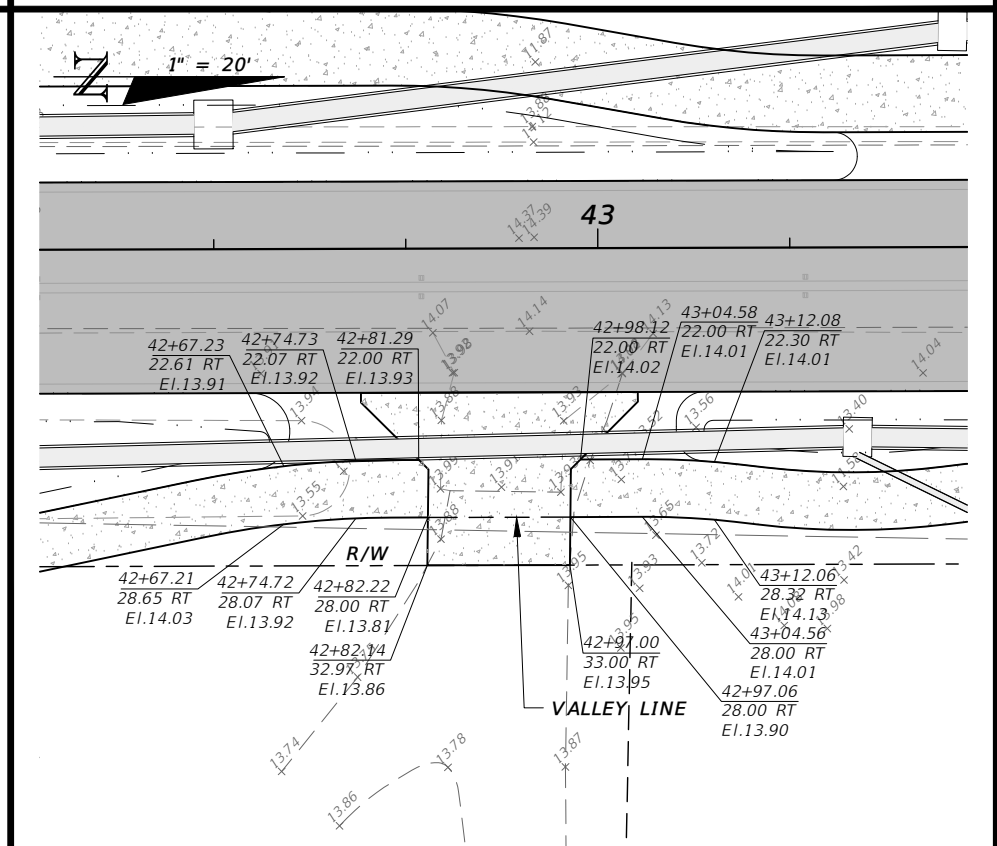
DRIVEWAY 3 (DW3)



DRIVEWAY 4 (DW4)



DRIVEWAY 5 (DW5)



DRIVEWAY 6 (DW6)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

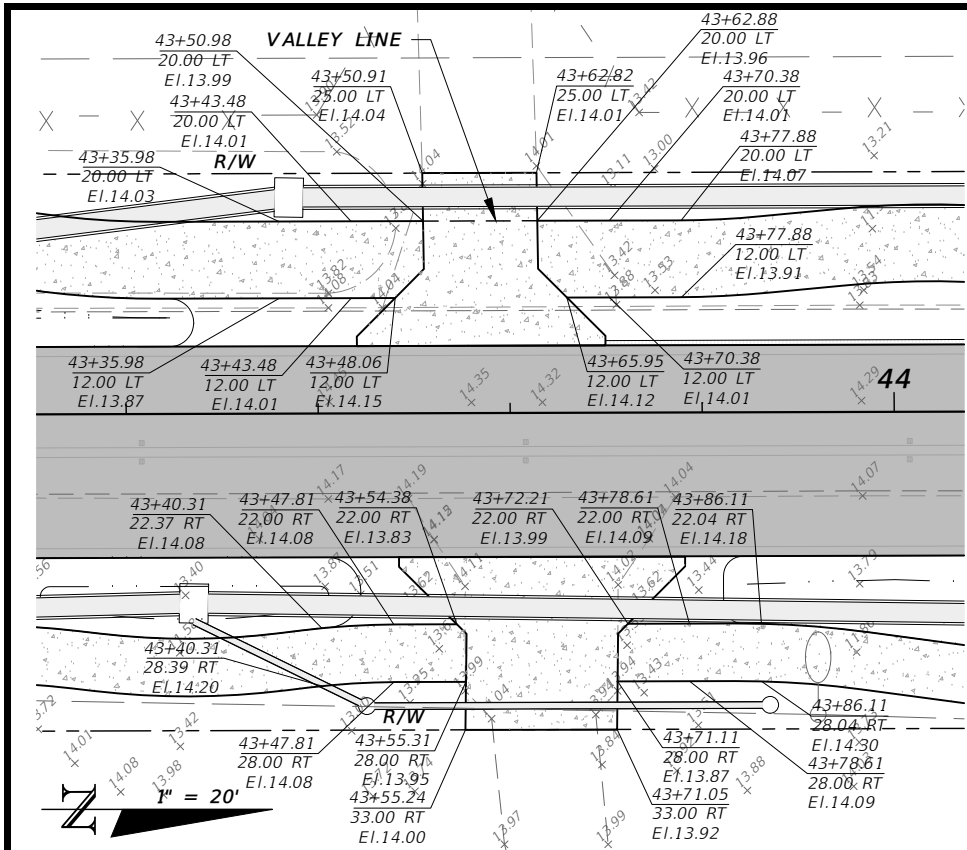
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

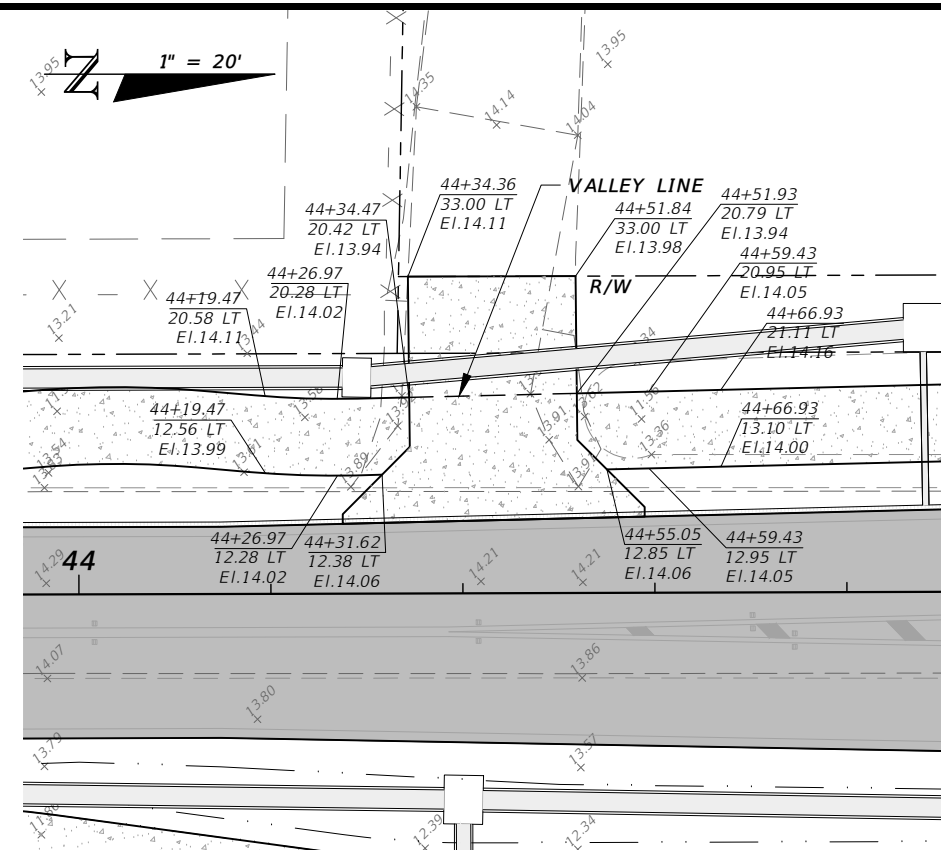
DRIVEWAY DETAILS

SHEET NO. 50

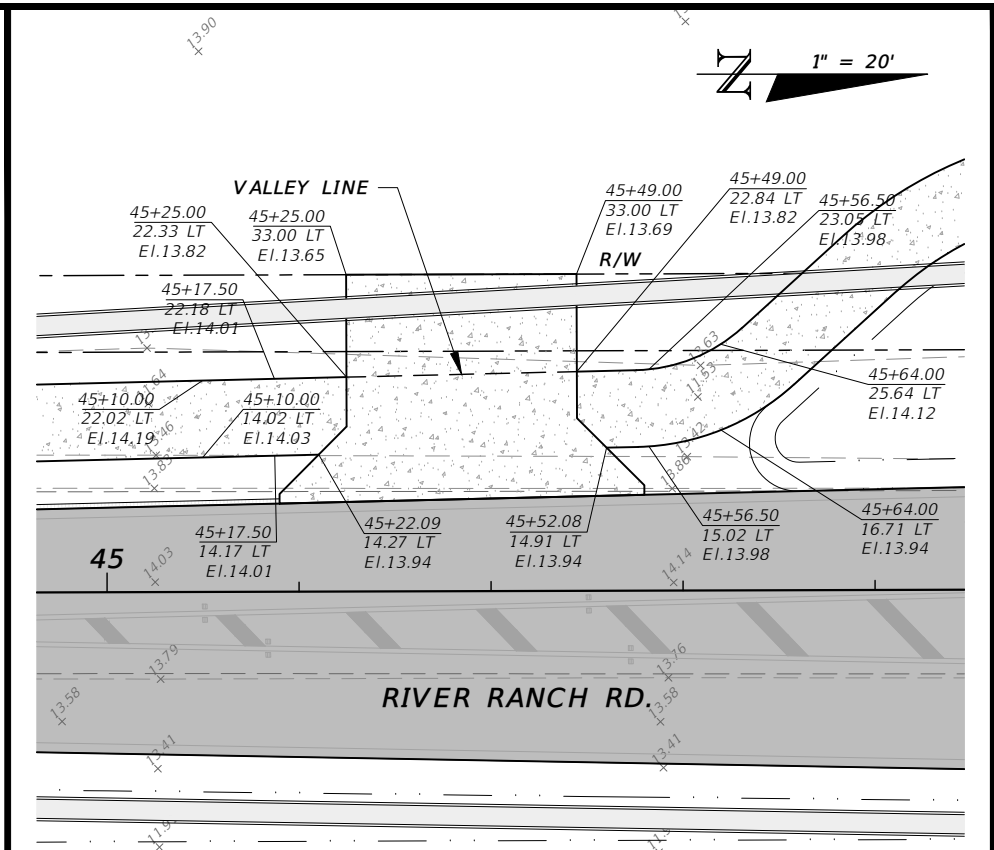
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DRIVEWAY 7 & 8 (DW7/DW8)




DRIVEWAY 9 (DW9)



DRIVEWAY 10 (DW10)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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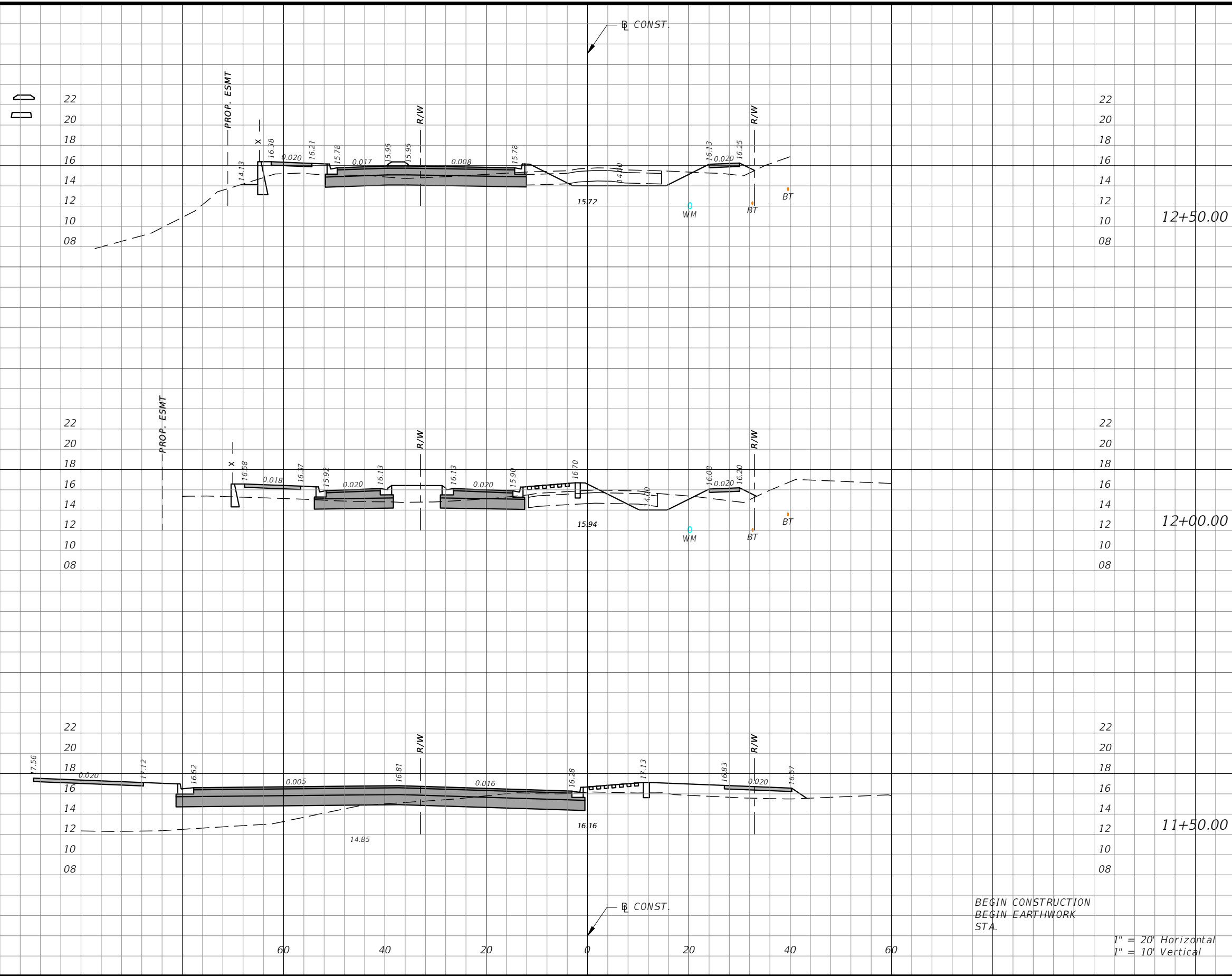
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

DRIVEWAY DETAILS

SHEET NO.	51
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	Regular A(sf)	Exc. V(cy)	Embankment A(sf)	V(cy)
12+50.00	109.72	157.6	179.87	380.7
12+00.00	60.5	132.4	231.3	214.2
11+50.00	82.46	76.4	231.3	214.2

BEGIN CONSTRUCTION
BEGIN EARTHWORK
STA.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

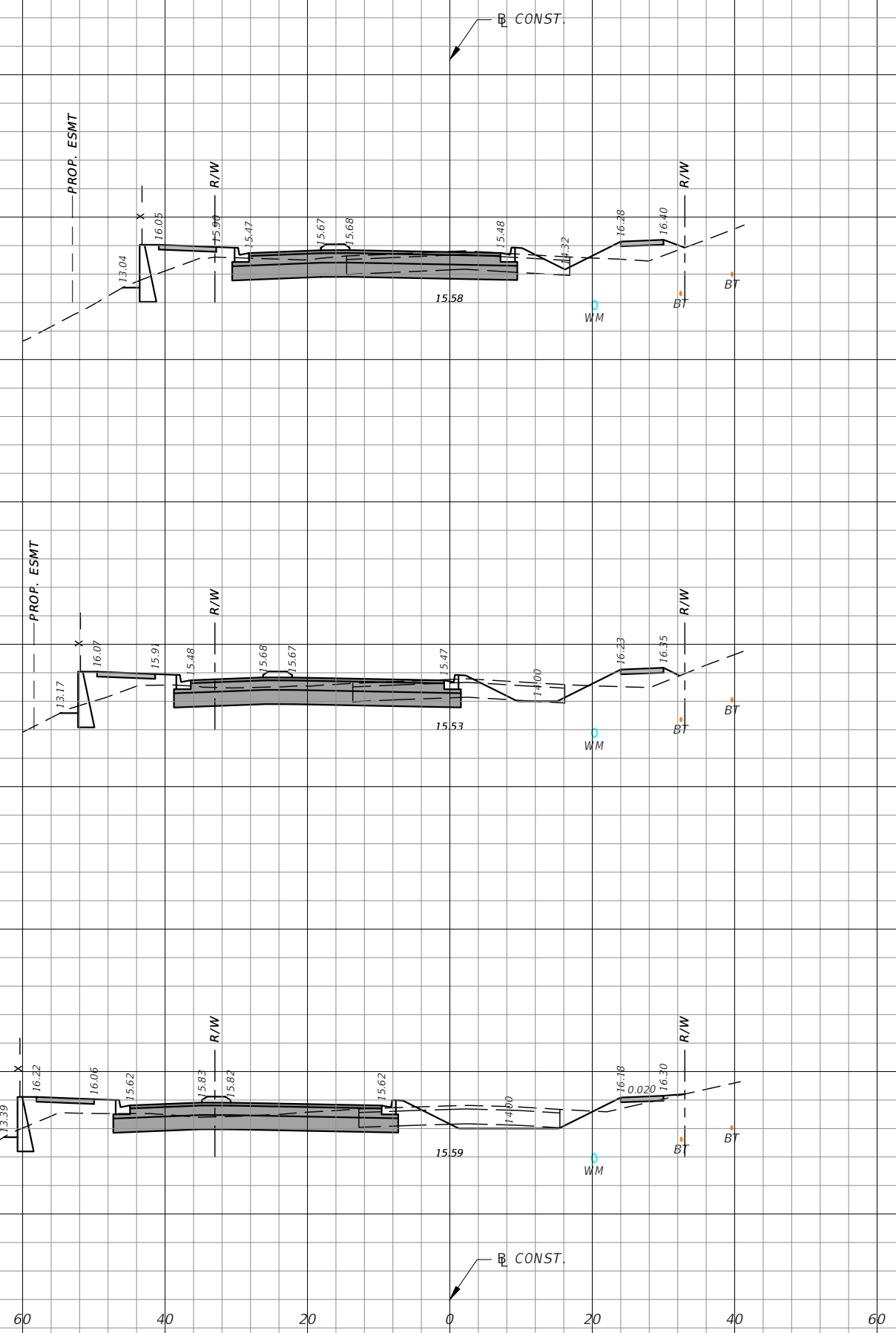
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO. 52

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

22
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1" = 20' Horizontal
1" = 10' Vertical

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
14+00.00	78.52				62.06	
		158.4				126.4
13+50.00	92.52				74.47	
		182.9				113.8
13+00.00	104.99				48.38	
		198.8				104.5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

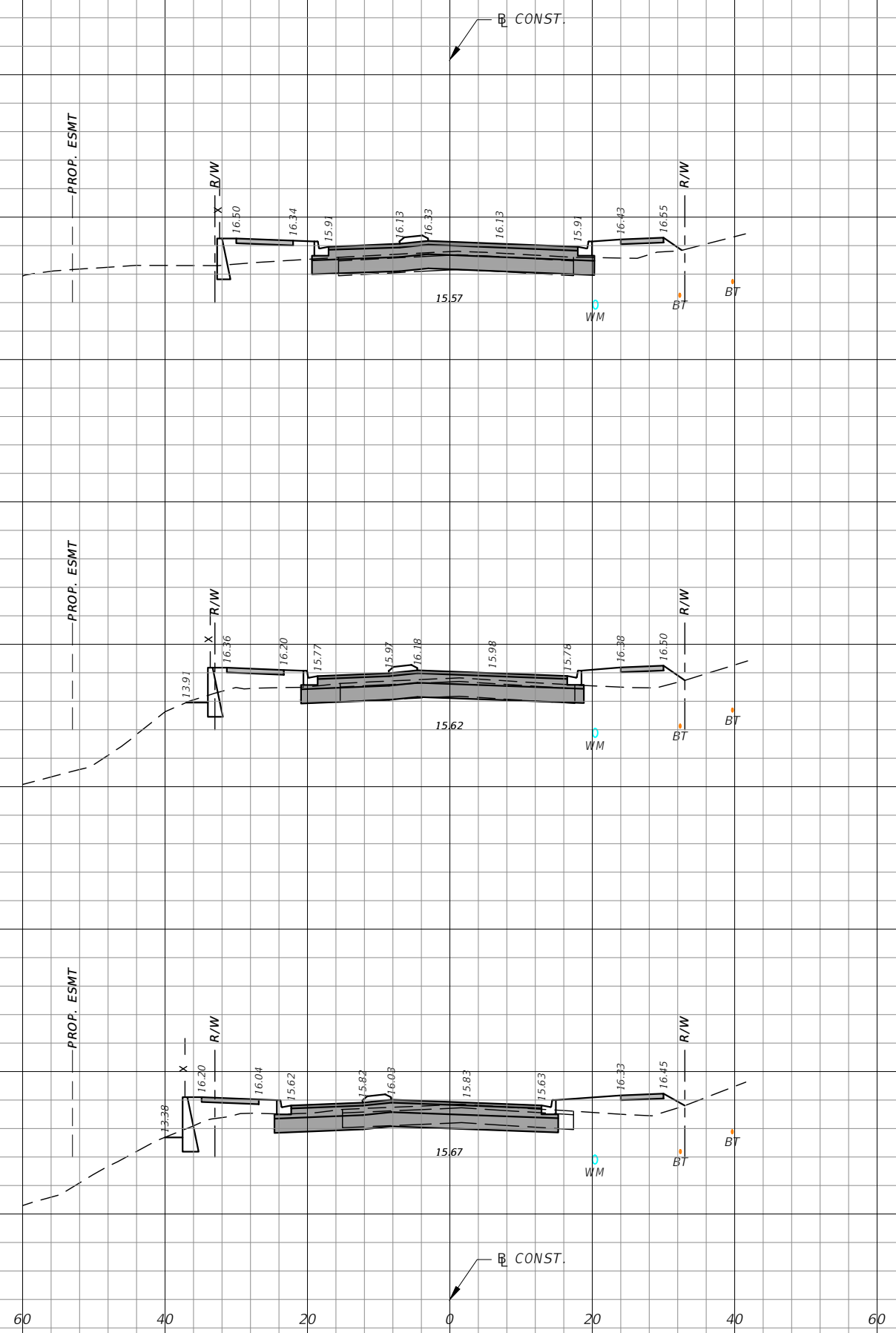
CROSS SECTIONS

SHEET NO.
53

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

Regular	Exc.	Embankment	
A(sf)	V(cy)	A(sf)	V(cy)

22
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18
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22
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15+50.00
20.89
41.3
58.07
115.9

15+00.00
23.74
72.8
67.15
124.3

14+50.00
54.92
123.6
67.07
119.6

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

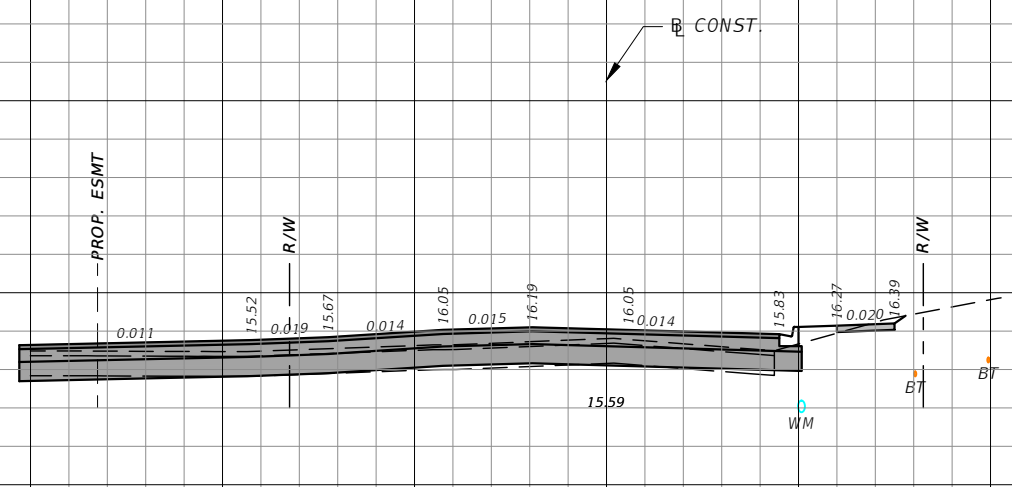
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
54

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

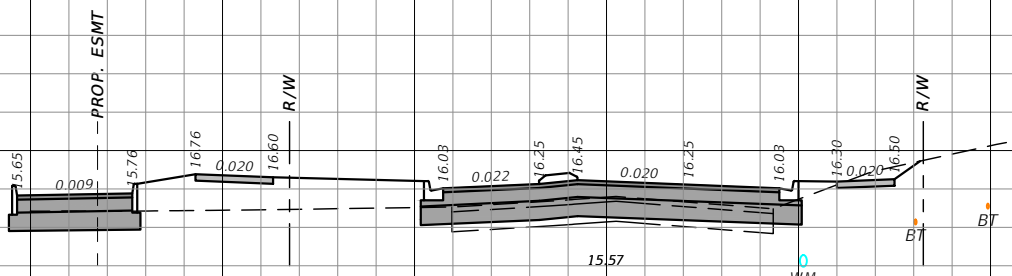
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17+00.00

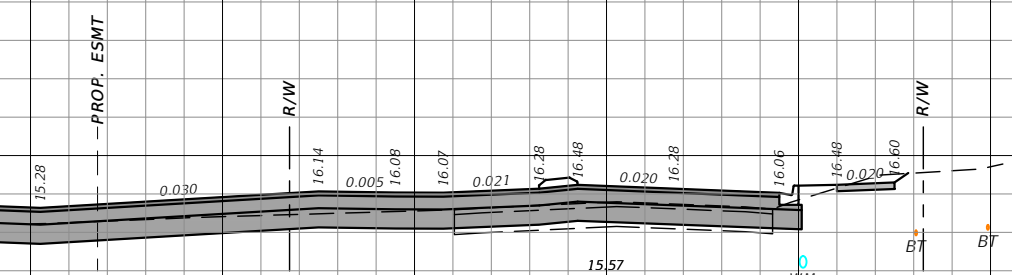
	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
17+00.00	14.08		15.55	
16+50.00	24.39	109.6	105.73	120.2
16+00.00	93.99	106.4	24.04	76

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16+50.00

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16+00.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

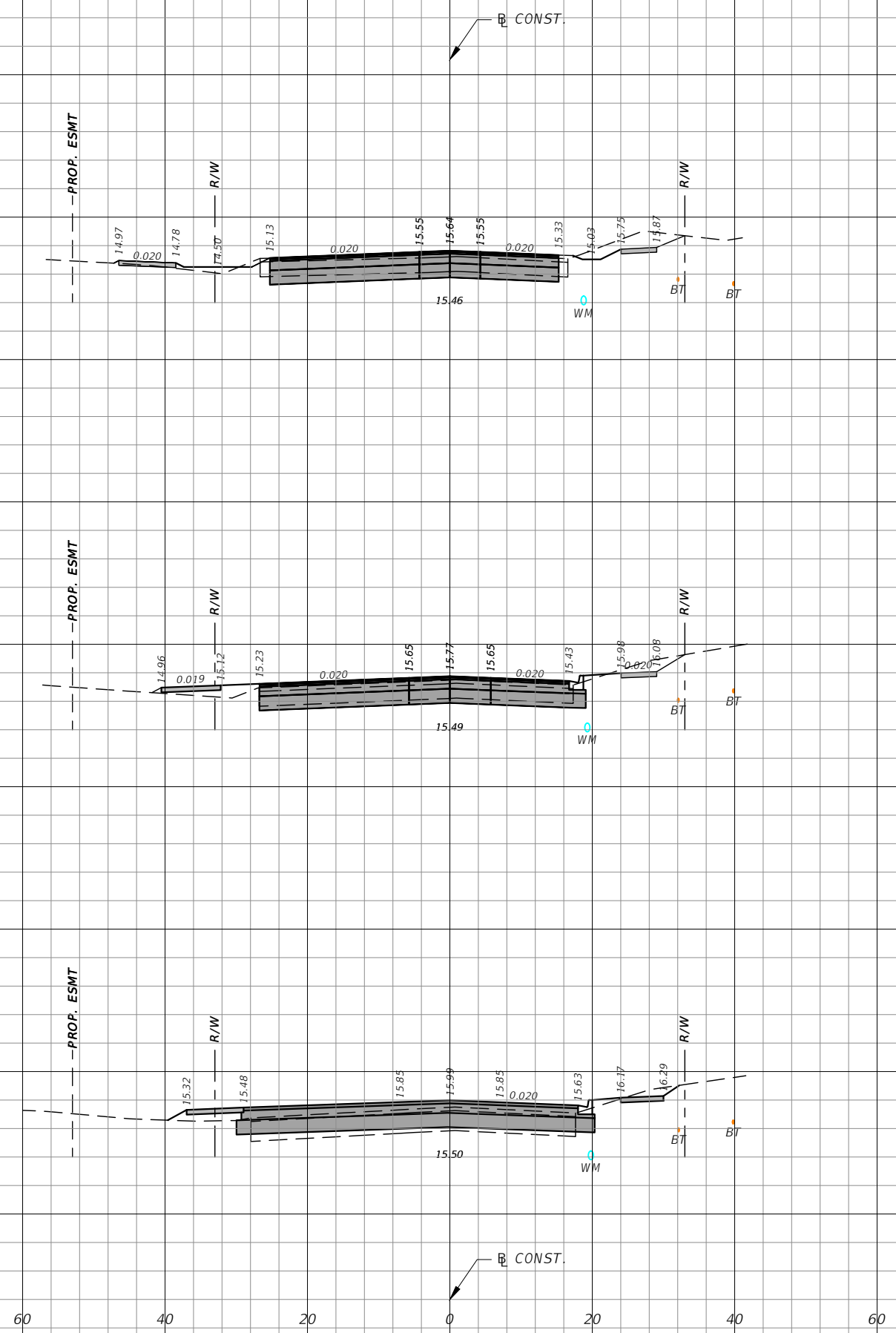
SHEET NO.
55

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Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
18+50.00	67.82			90.2	11.92	21.1
18+00.00	29.59			47.2	10.85	48.6
17+50.00	21.38			32.8	41.63	52.9

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

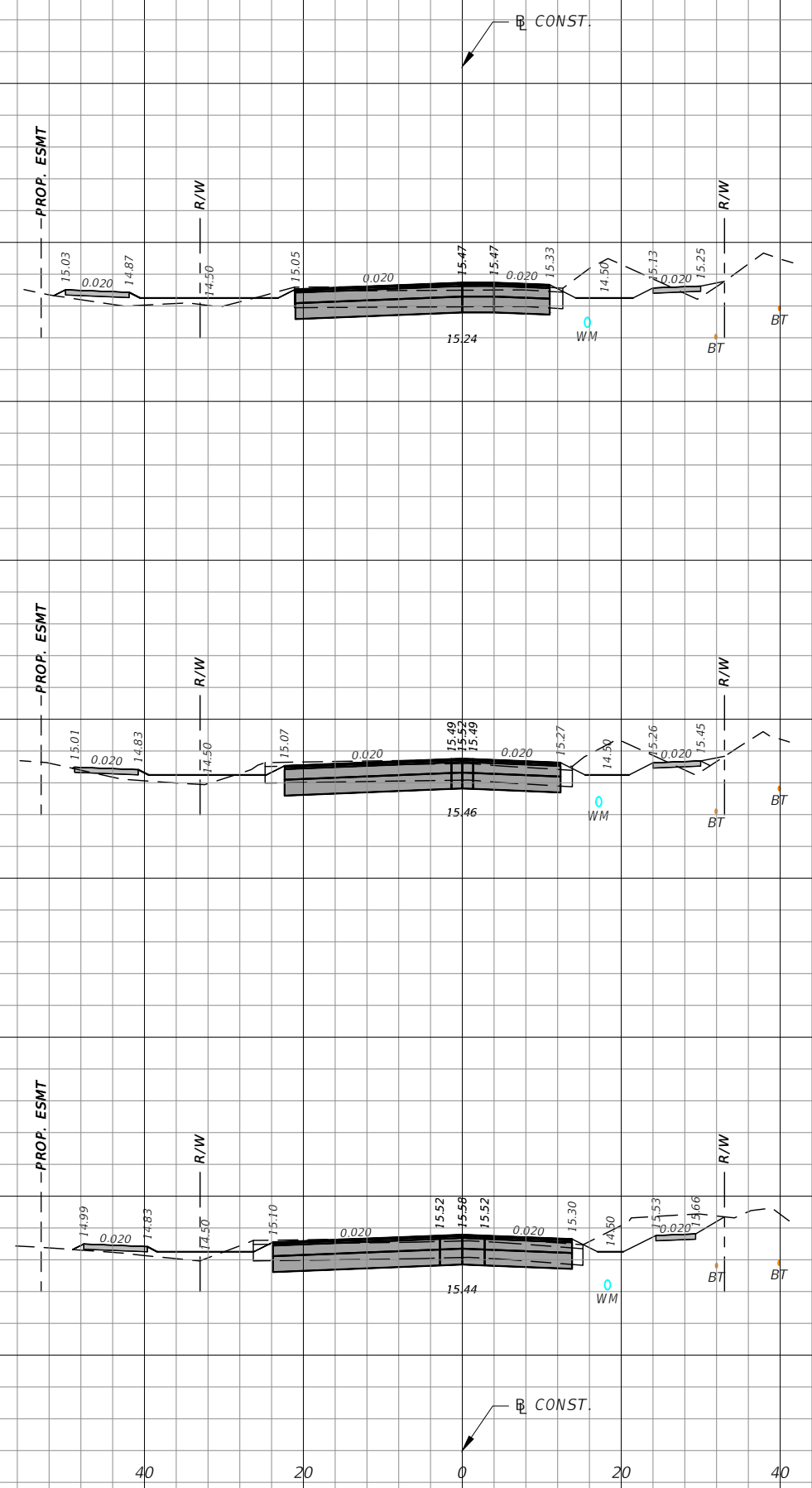
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
56

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22
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1" = 20' Horizontal
1" = 10' Vertical

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
20+00.00	64.46	123.5	26.63	47.7
19+50.00	68.95	137	24.84	39.7
19+00.00	79	135.9	18.08	27.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
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 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

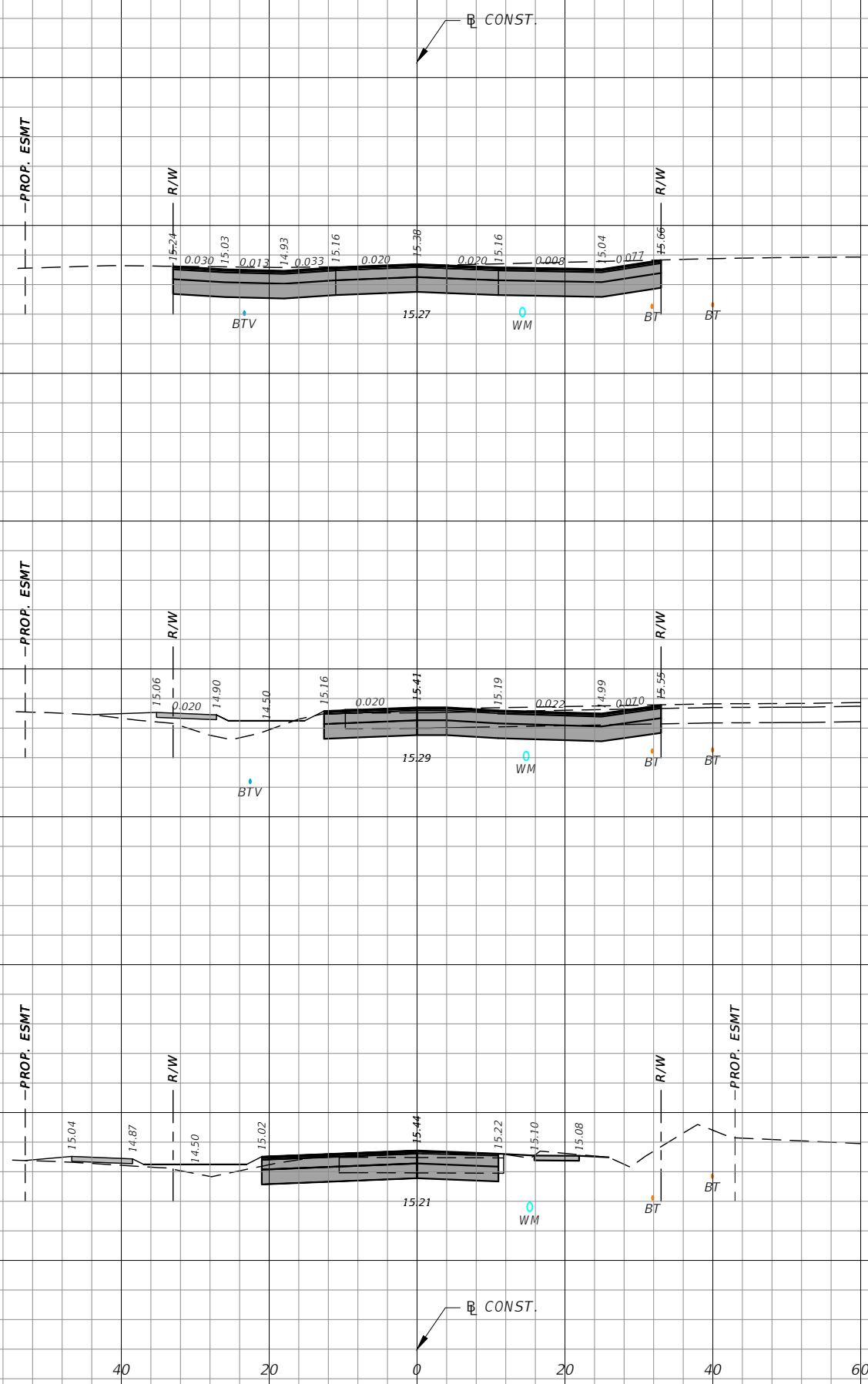
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
57

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

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Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
21+50.00	24.24			97.6	0	31.7
21+00.00	81.2			128.7	34.19	53.6
20+50.00	57.83			113.2	23.7	46.6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

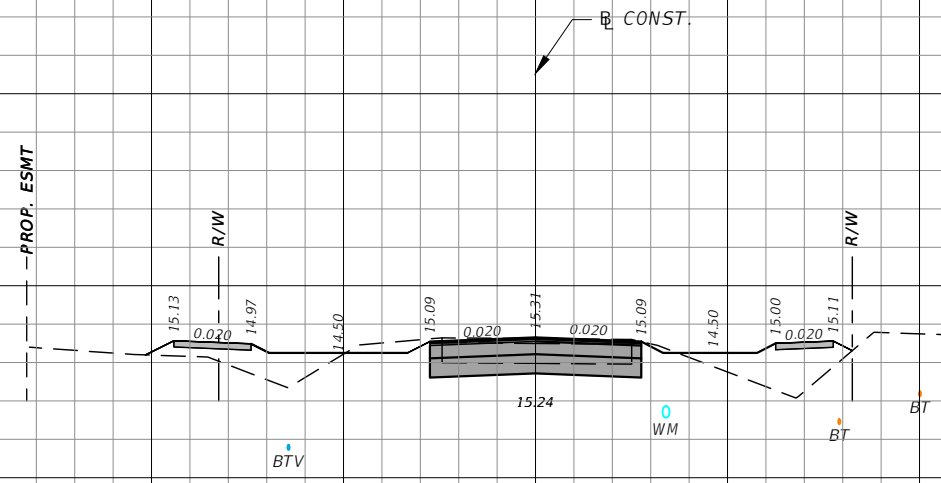
CROSS SECTIONS

SHEET NO.
58

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

Regular	Exc.	Embankment	
A(sf)	V(cy)	A(sf)	V(cy)

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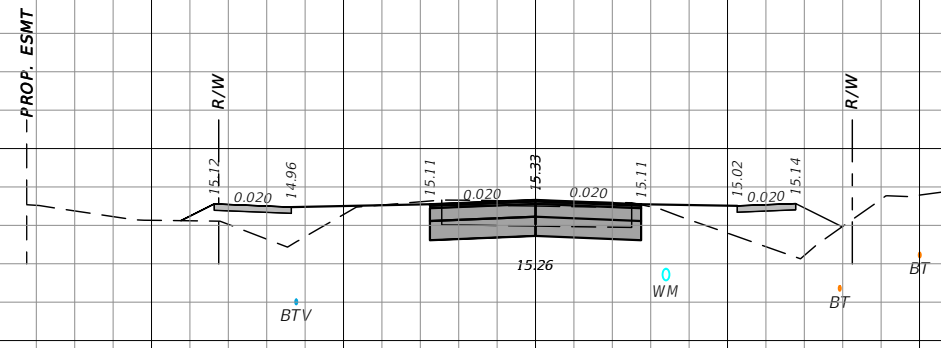


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23+00.00

52		94.22	
	89.7		167.7

22
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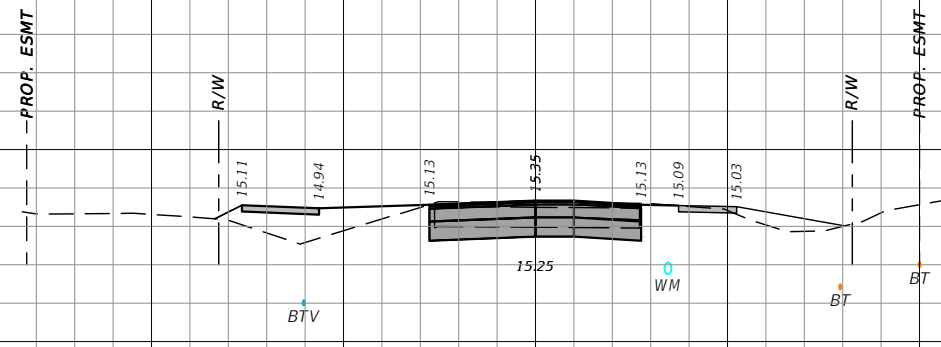


22
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22+50.00

44.88		86.88	
	69.3		129.1

22
20
18
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08



22
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22+00.00

29.92		52.5	
	50.1		48.6

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



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PH. 239-205-6473
WEBSITE: WWW.CW-3.COM
CLAIR WRIGHT, III P.E. No. 64089

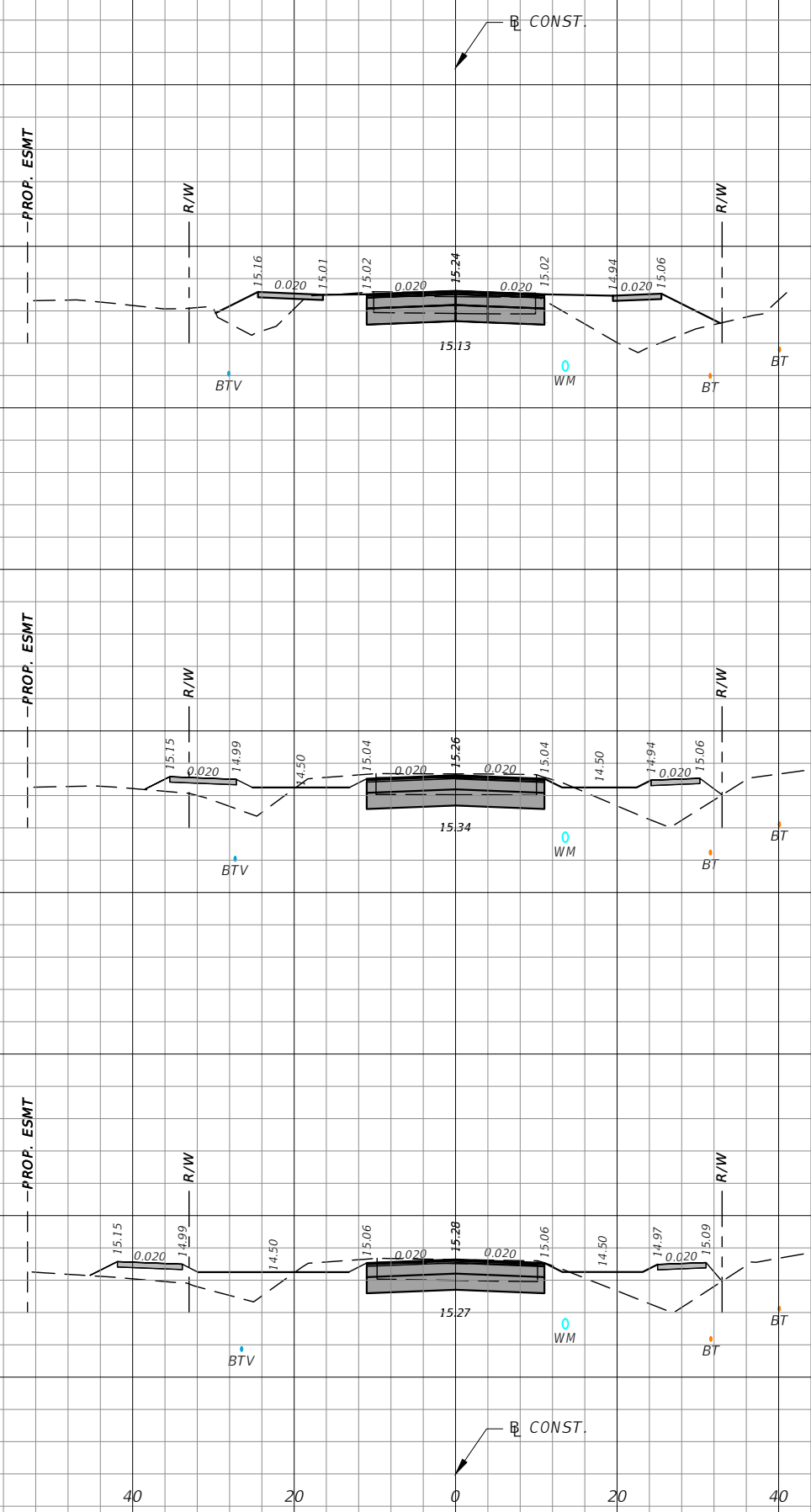
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.

59

22
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18
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24+50.00
24+00.00
23+50.00

Regular A(sf)	Exc. V(cy)	Embankment A(sf)	V(cy)
32.12	85.1	113.19	195.5
59.83	106.7	97.92	196.8
55.38	99.4	114.59	193.3

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

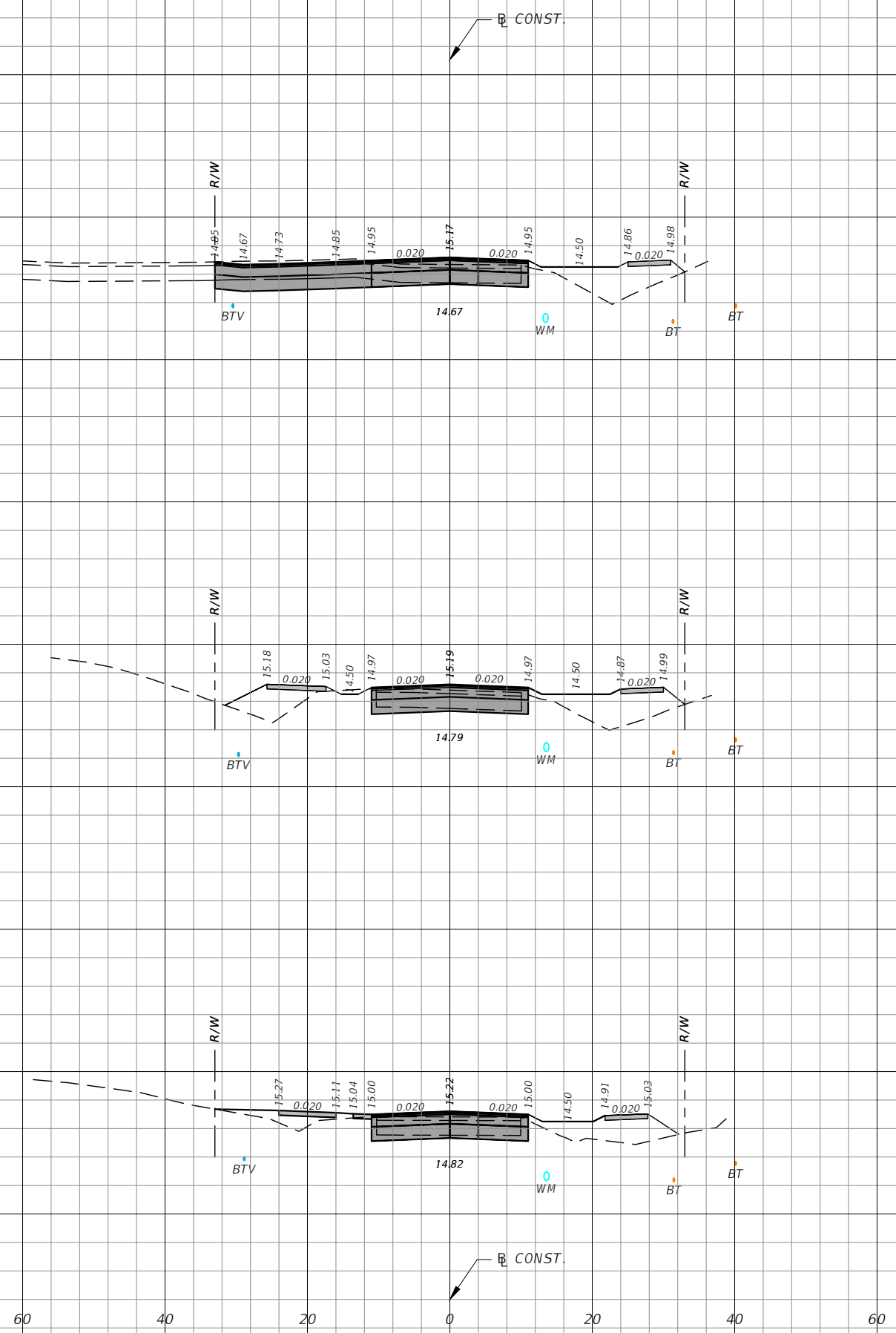
SHEET NO.
60

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

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
26+00.00	52.25	71.7	58.69	150.4
25+50.00	25.23	40.1	103.7	158.3
25+00.00	18.11	46.5	67.3	167.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

CROSS SECTIONS

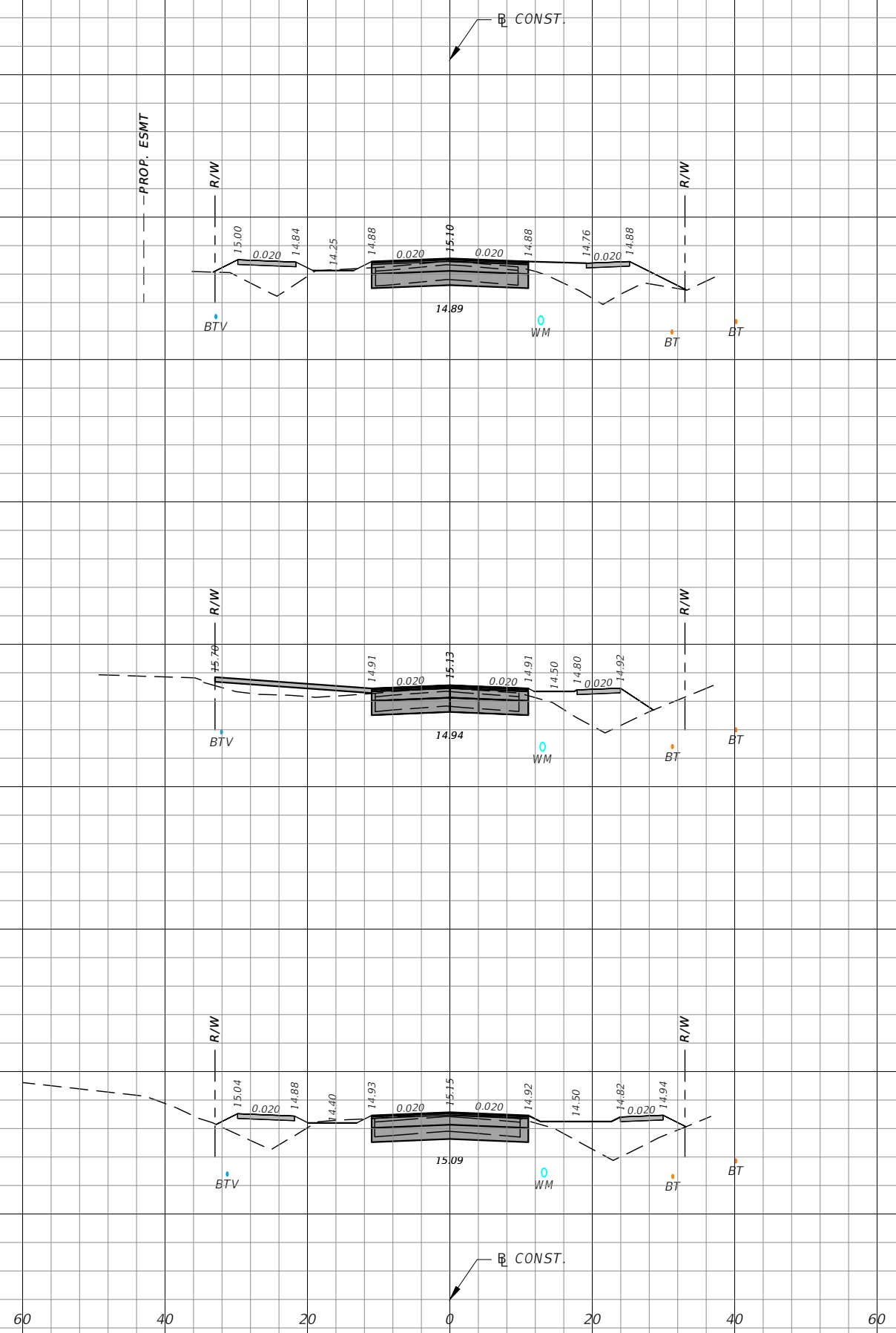
SHEET NO. 61

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Regular	Exc.	Embankment	
A(sf)	V(cy)	A(sf)	V(cy)

22
20
18
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22
20
18
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14
12
10
08



27+50.00

27+00.00

26+50.00

22.69		88.98	
	38.9		139.6
19.31		61.83	
	48.7		148.5
33.29		98.56	
	79.2		145.6

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

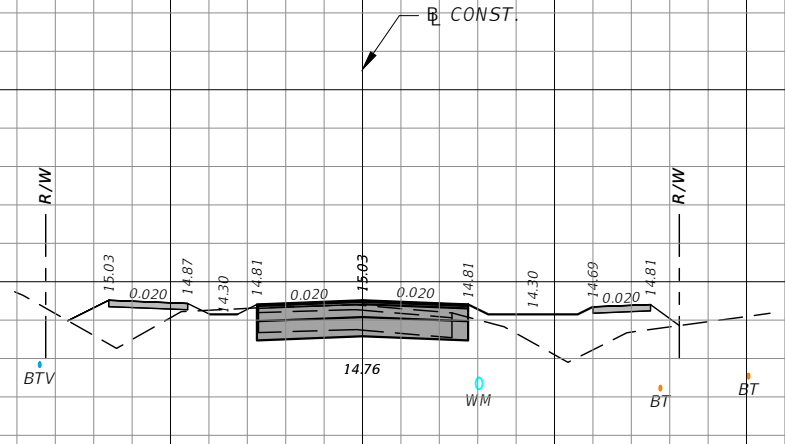
CROSS SECTIONS

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.

Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)

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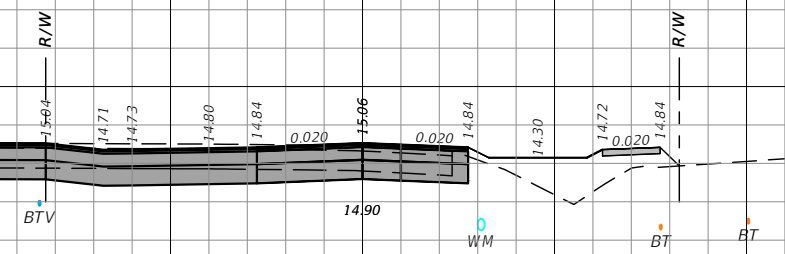


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29+00.00

24.83		91.36	
	88		132

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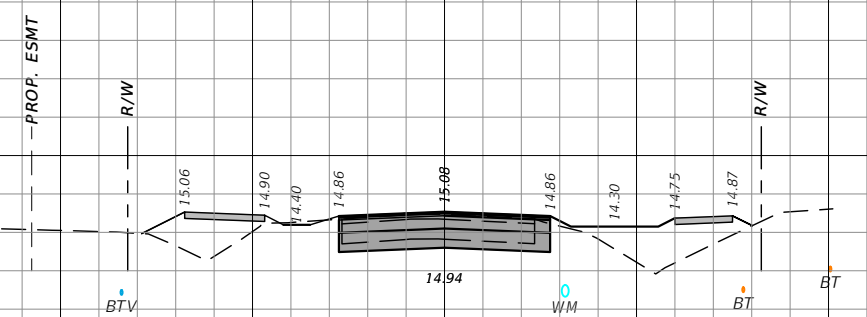


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28+50.00

70.19		51.22	
	95.8		128.2

22
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22
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28+00.00

33.26		87.22	
	51.8		163.1

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

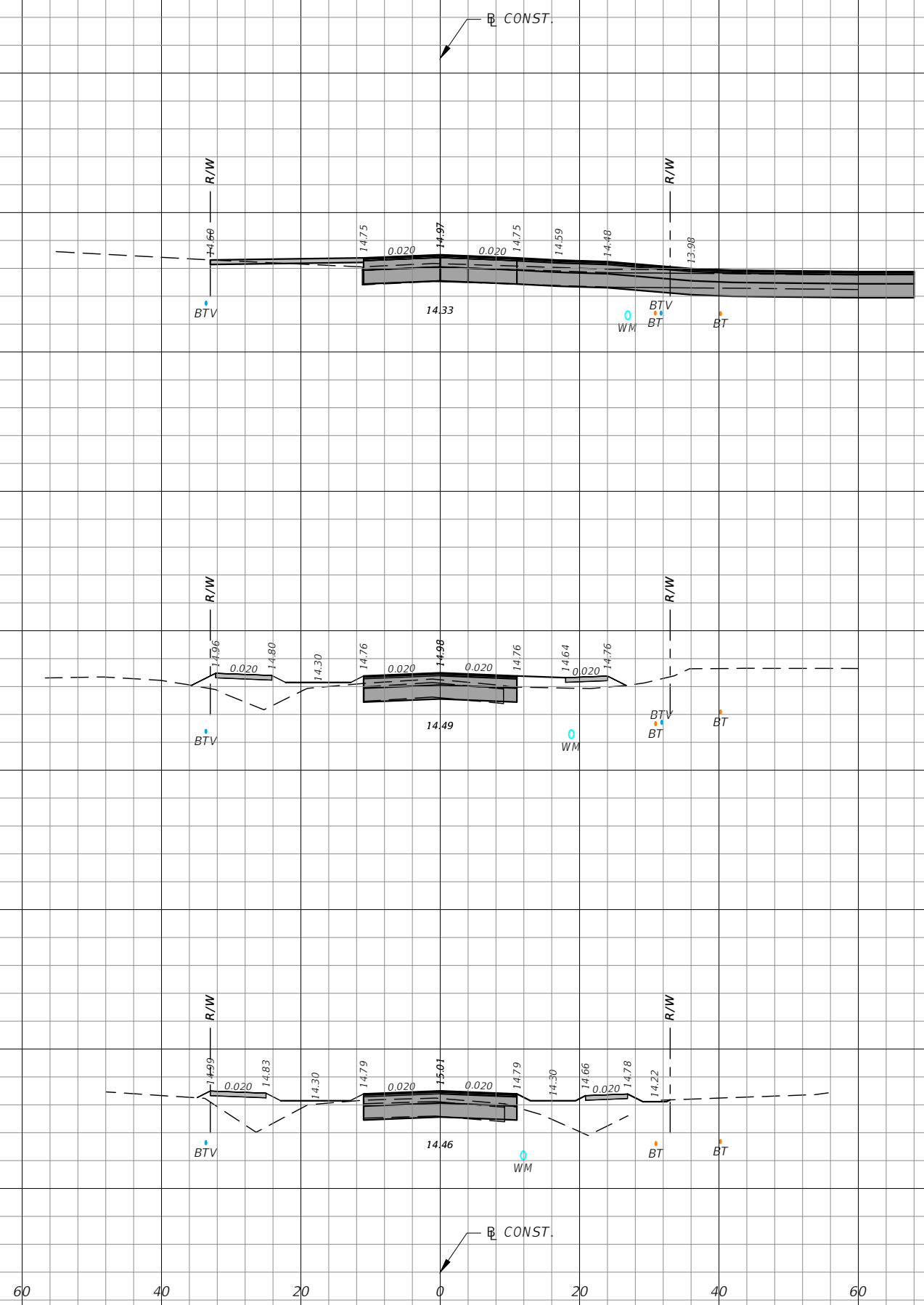
SHEET NO.
63

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

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

Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
38.36	49.1	5.65	61.5		
14.65	23	60.73	156		
10.18	32.4	107.79	184.4		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

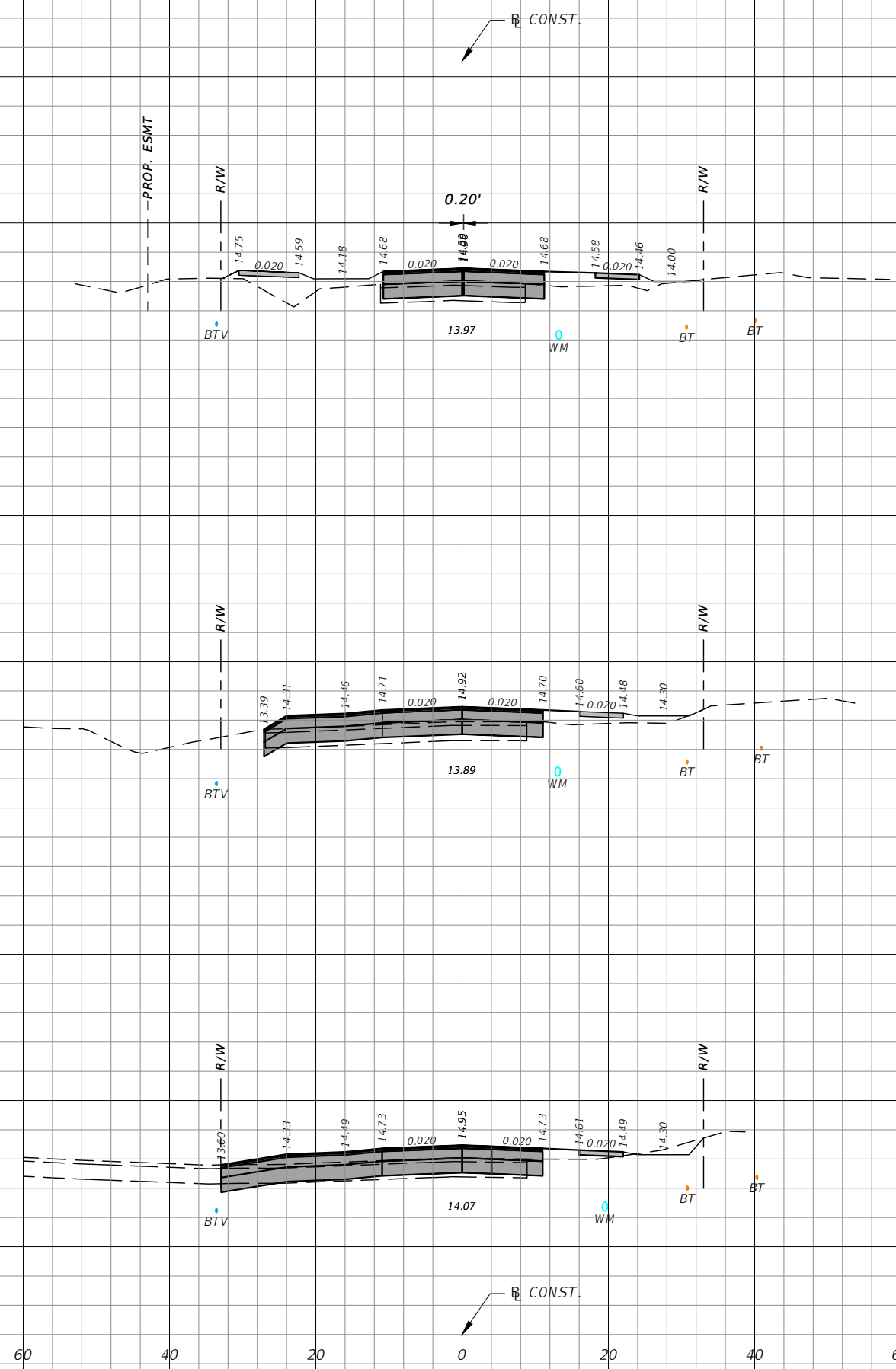
CROSS SECTIONS	
SHEET NO.	
64	

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08



32+00.00

31+50.00

31+00.00

Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
4.95	10.4			82.12	113.3
6.33	14.6			40.26	58.1
9.39	44.2			22.45	26

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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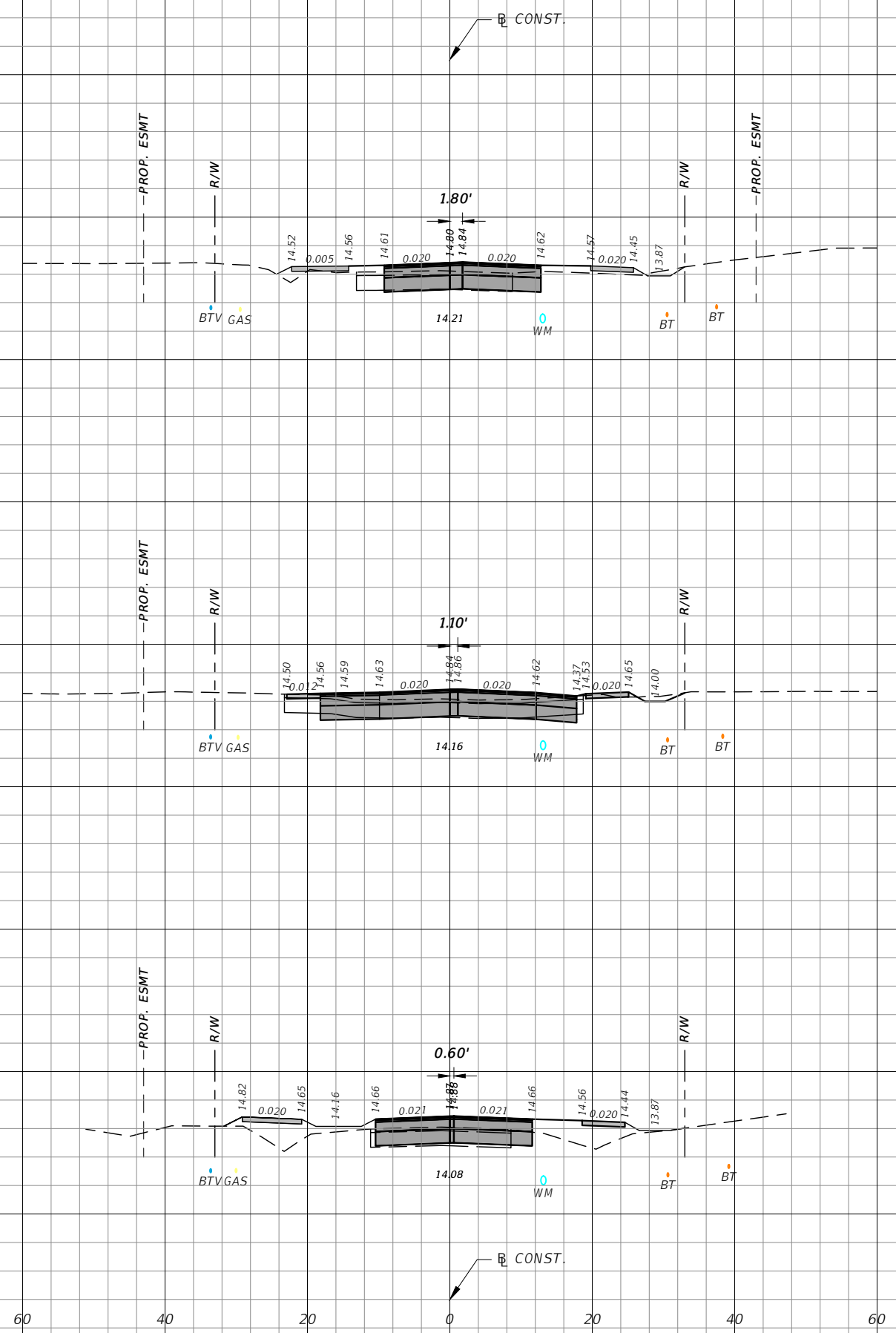
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
65

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

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
33+50.00	12.43	21.8	29.9	42
33+00.00	11.07	15.9	15.44	86.1
32+50.00	6.12	10.3	77.54	147.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

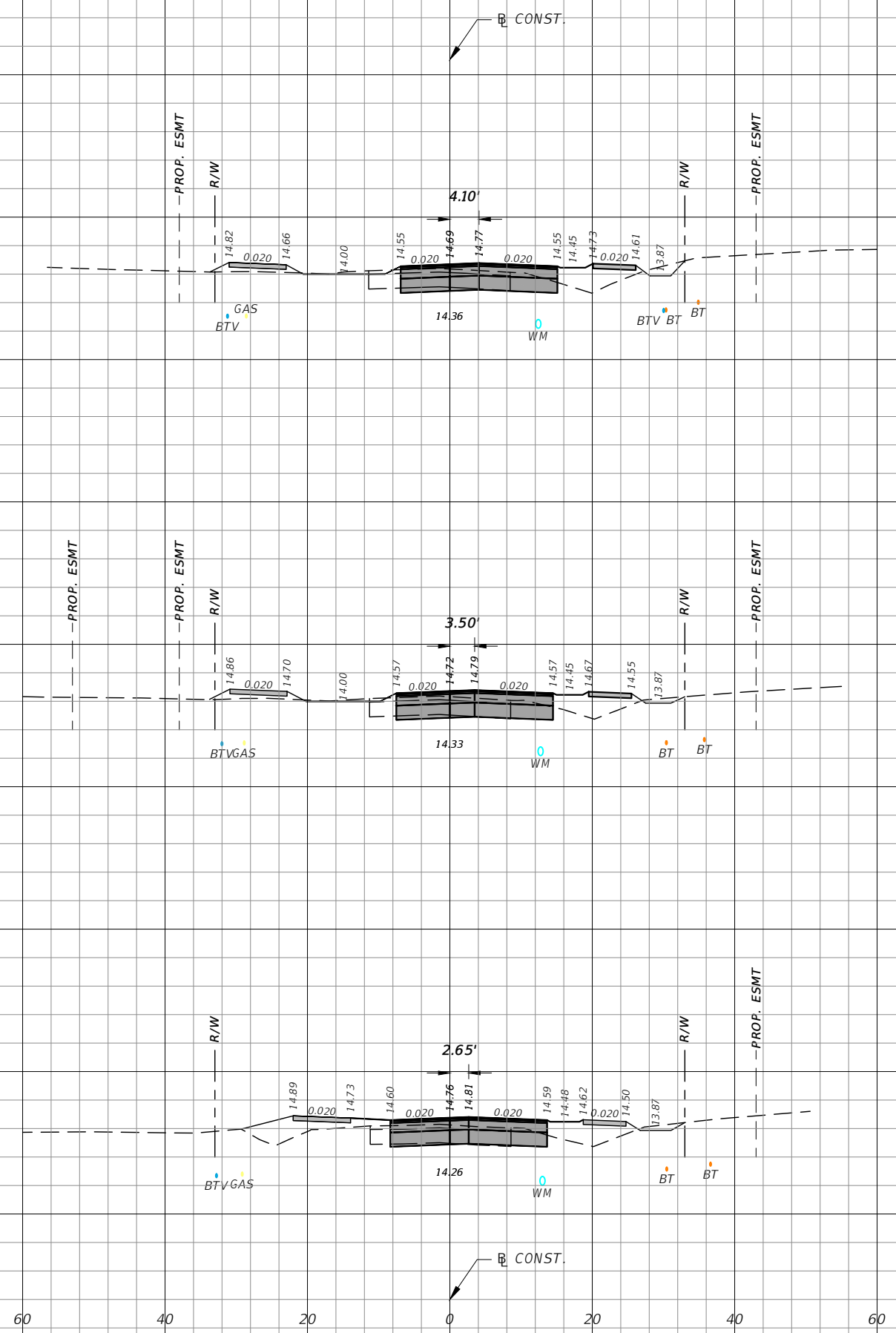
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.

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

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
35+00.00	22.9			39.6	44.62	82.4
34+50.00	19.92			31.4	44.38	101.8
34+00.00	13.95			24.4	65.53	88.4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

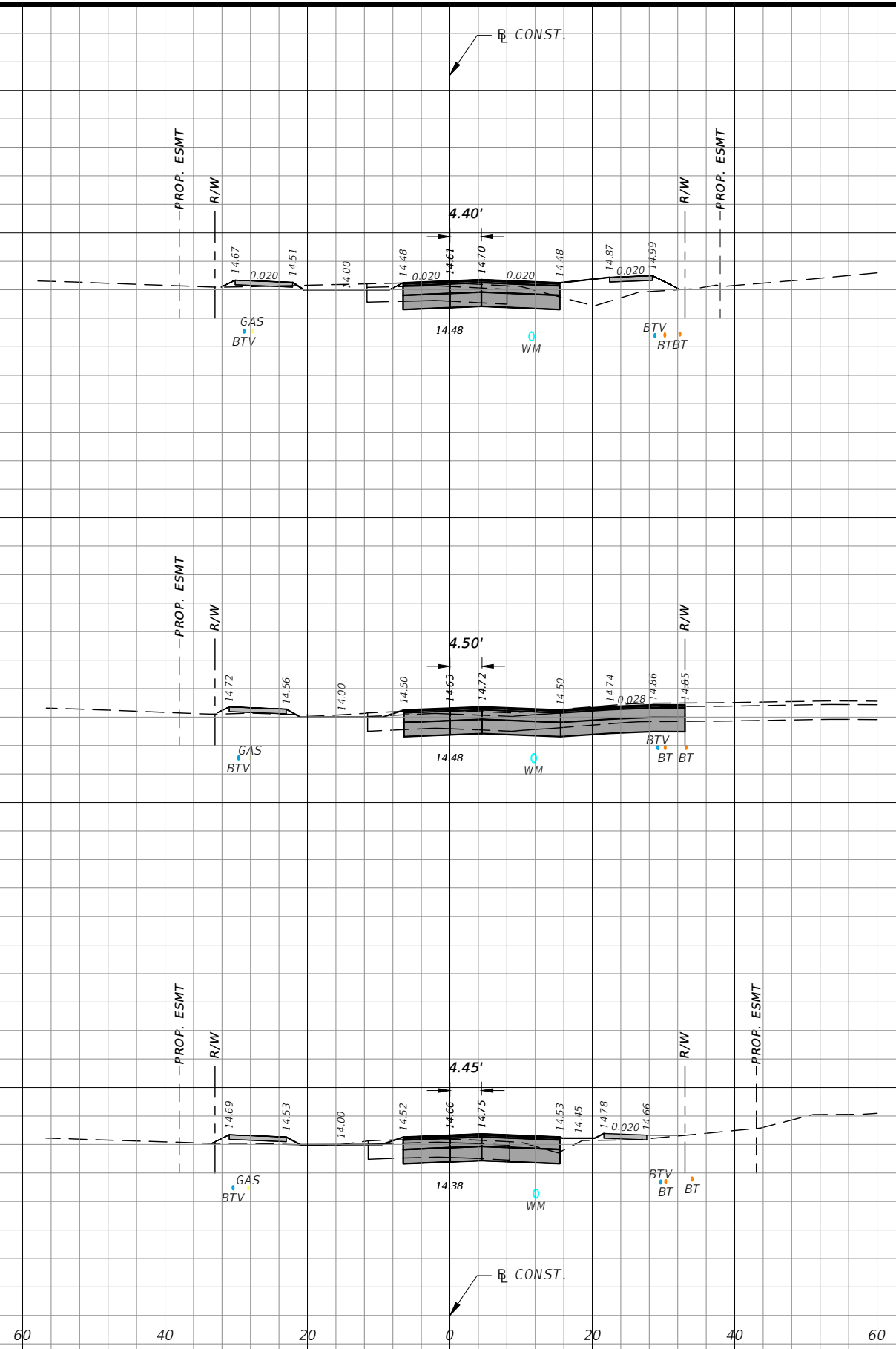
SHEET NO.
67

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

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

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
36+50.00	39.24	83.1	48	55.6
36+00.00	50.54	69.8	12.05	35.7
35+50.00	24.88	44.2	26.53	65.9

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

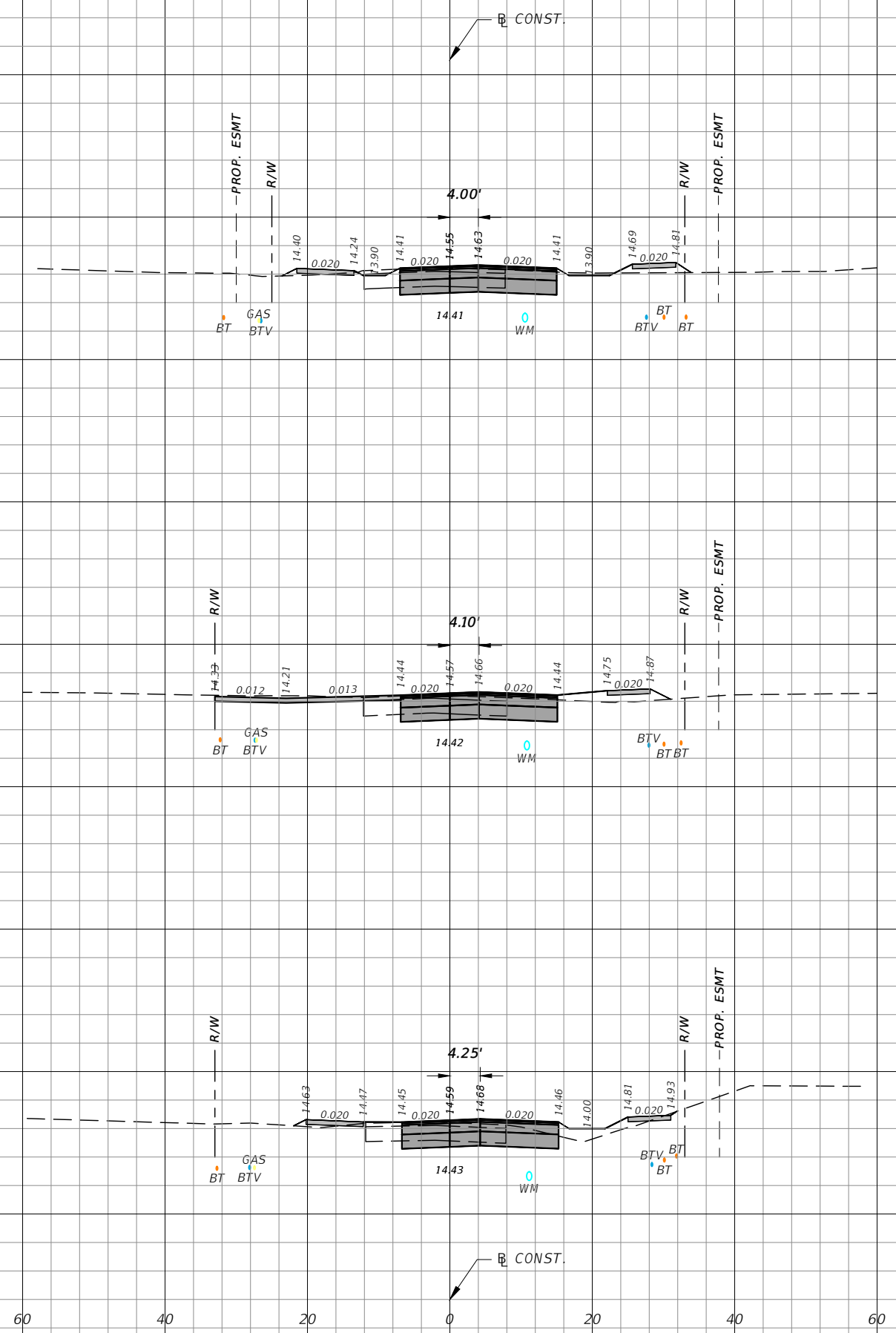
CROSS SECTIONS	SHEET NO.
	68

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

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
38+00.00	39.24	67.7	19.29	45.6
37+50.00	33.88	62.2	29.97	54.4
37+00.00	33.34	67.2	28.78	71.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

CROSS SECTIONS

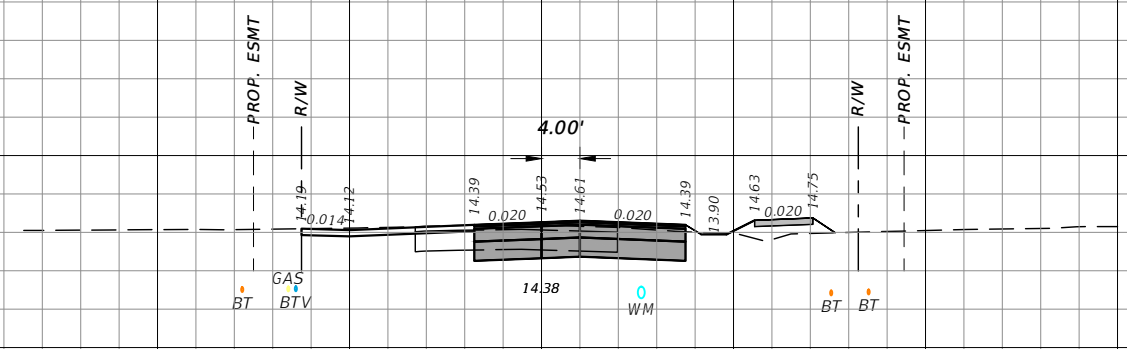
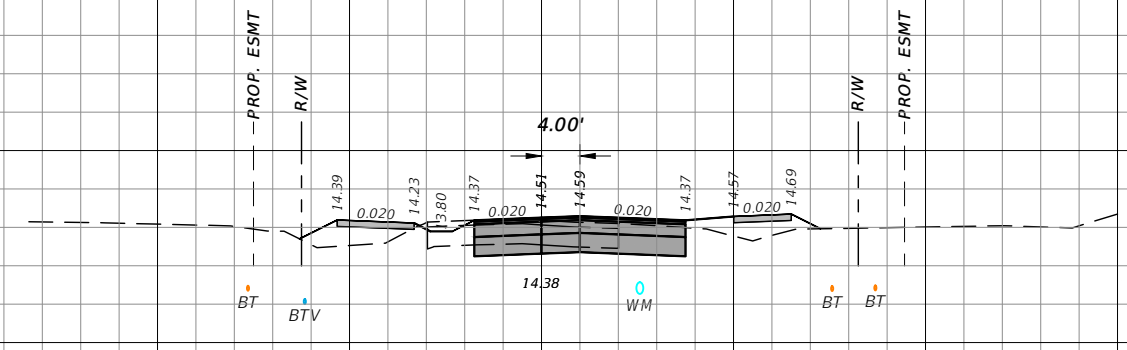
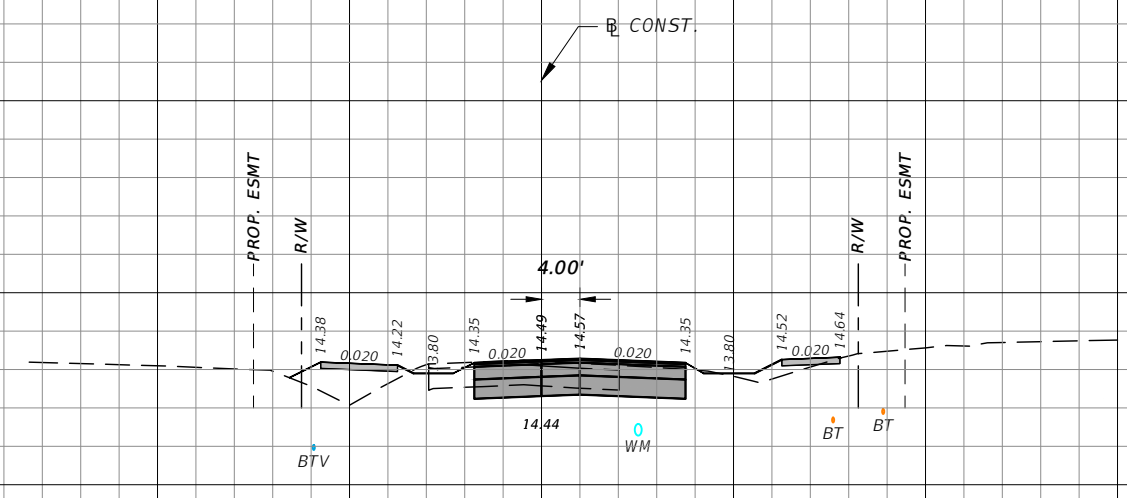
SHEET NO. 69

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

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60 40 20 0 20 40 60

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

Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
38.51	67.8			42.07	80.4
34.68	64.5			44.73	63.4
34.97	68.7			23.79	39.9

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT: VILLAGE OF ESTERO PROJECT #: 19-0046

CROSS SECTIONS

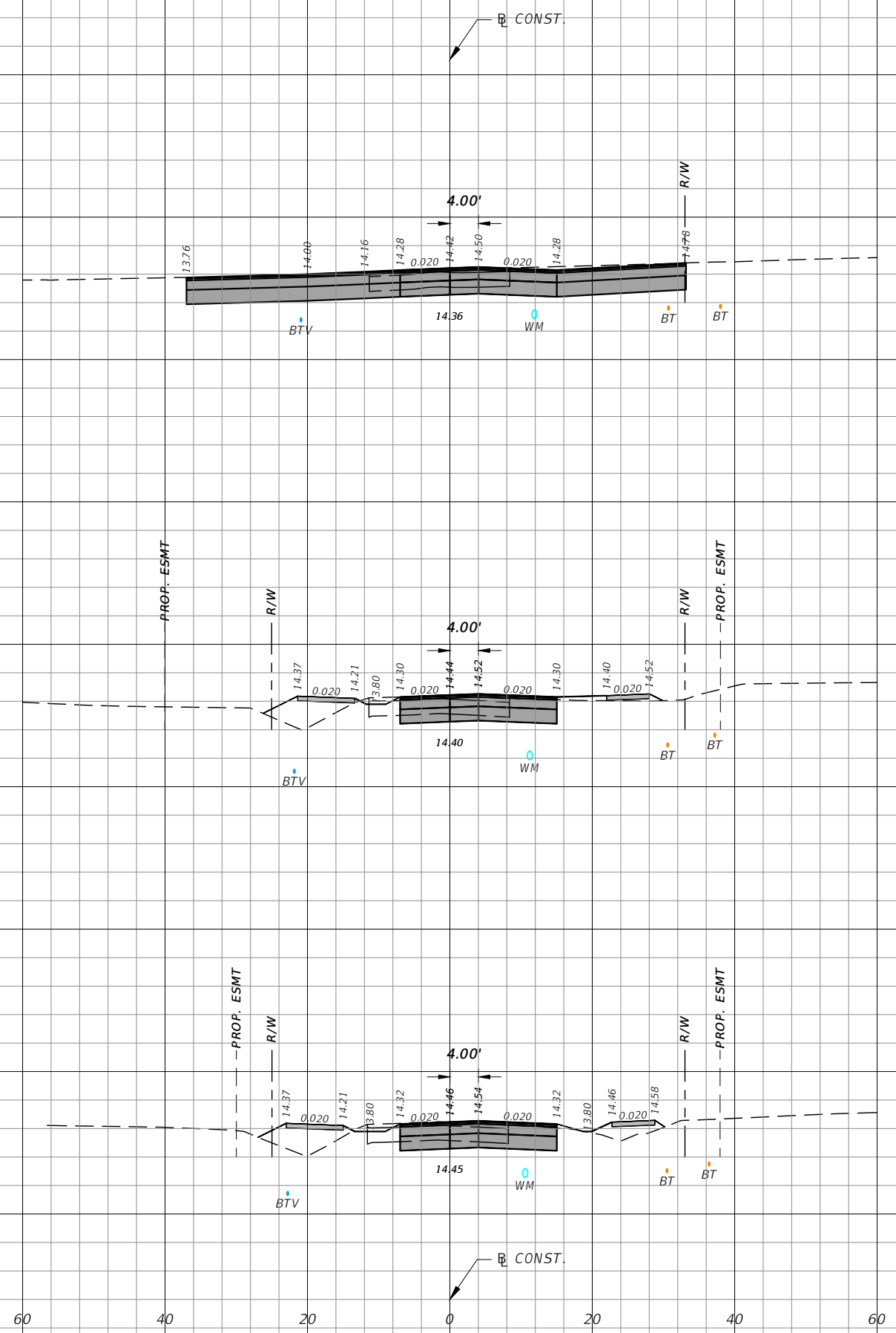
SHEET NO. 70

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

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
41+00.00	211.73				54.06	
		231				89.9
40+50.00	37.73				43.07	
		71.2				88.3
40+00.00	39.17				52.27	
		71.9				87.4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
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 PH. 239-205-6473
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RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

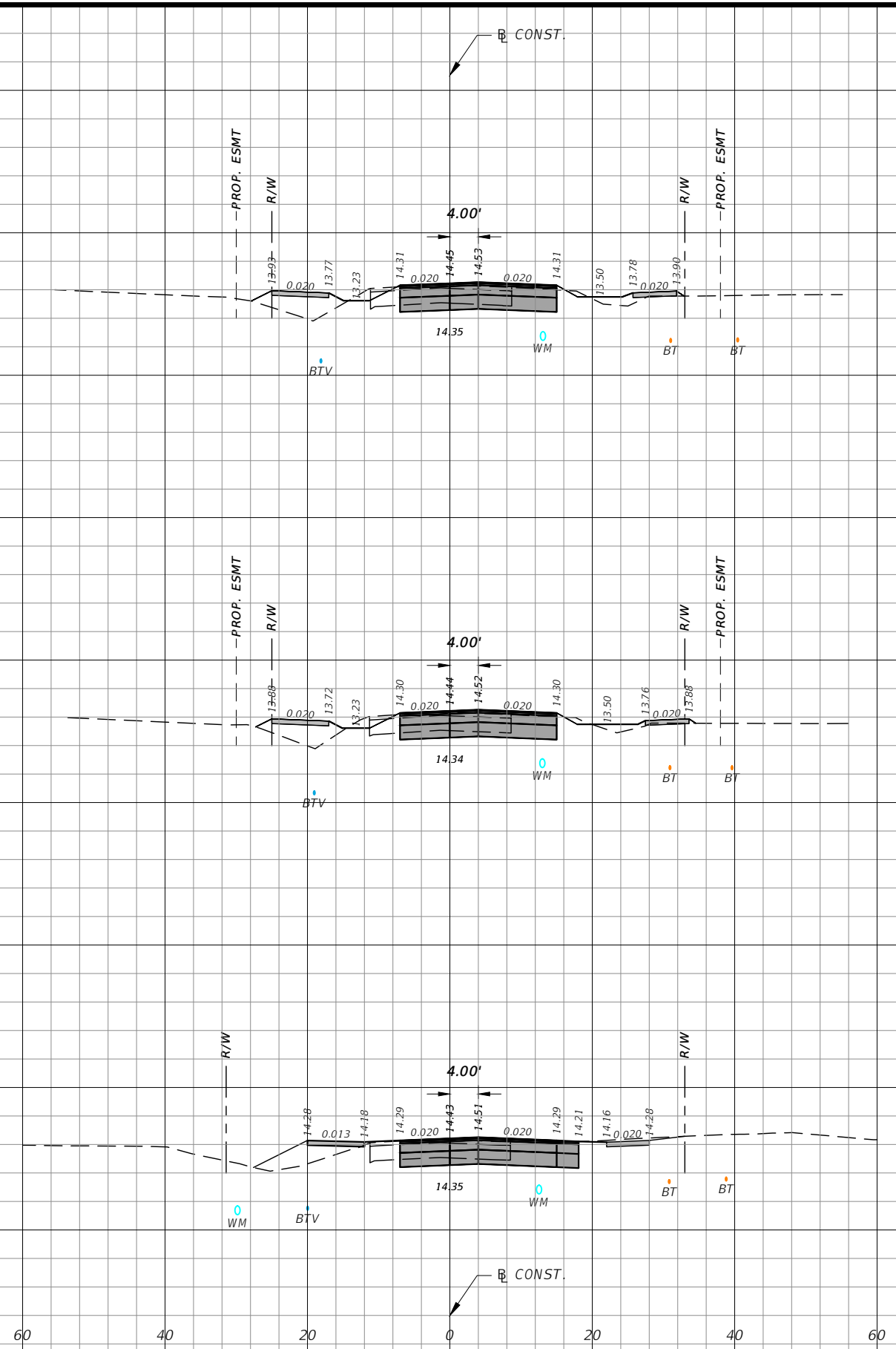
SHEET NO.
71

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

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

Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
42+50.00	37.14	70.8	44.27	76.3
42+00.00	39.35	86.5	38.17	69.4
41+50.00	54.06	246.1	36.74	84.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

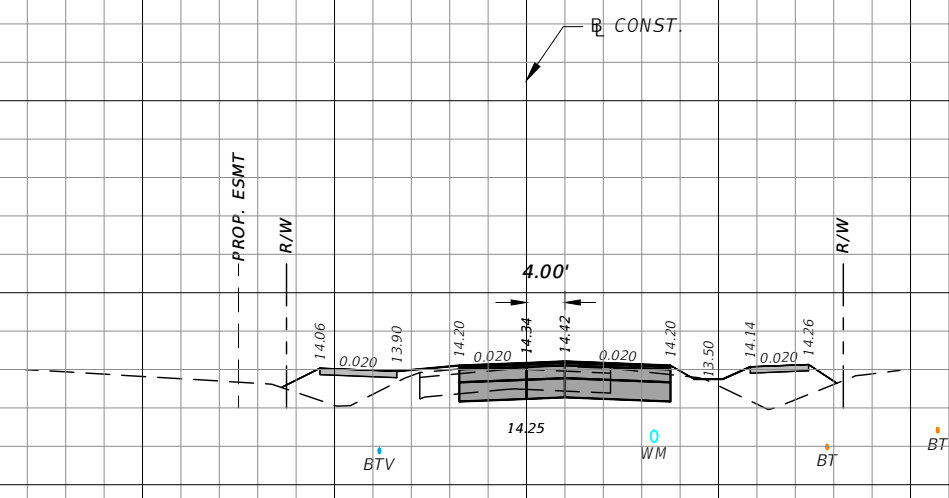
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.

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44+00.00

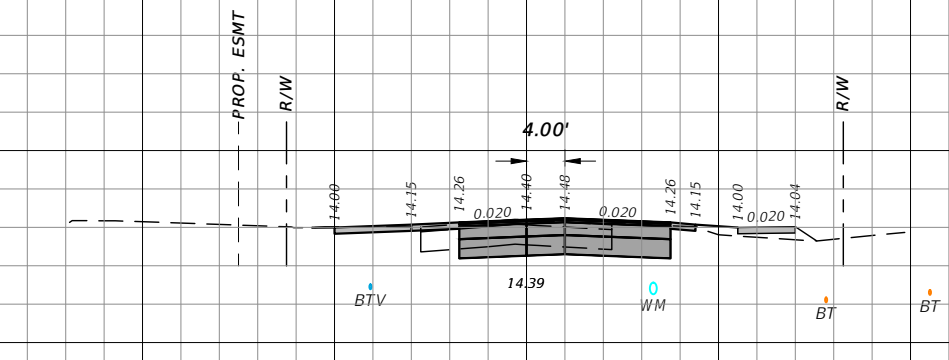
32.14

73.94

68.5

85

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43+50.00

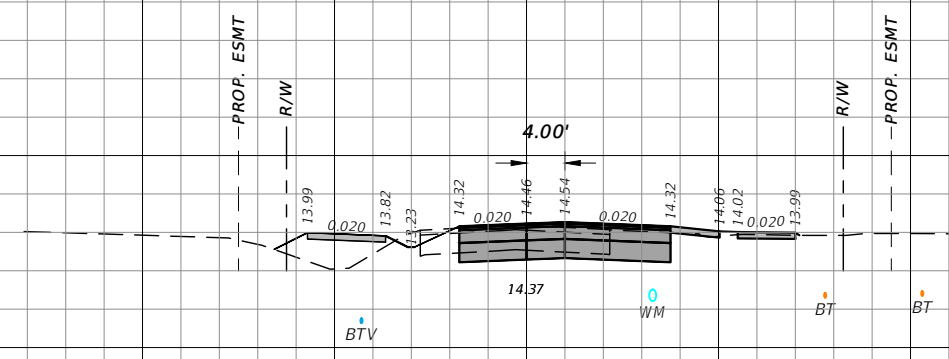
41.84

17.83

74.3

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43+00.00

38.39

32.93

69.9

71.5

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
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RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

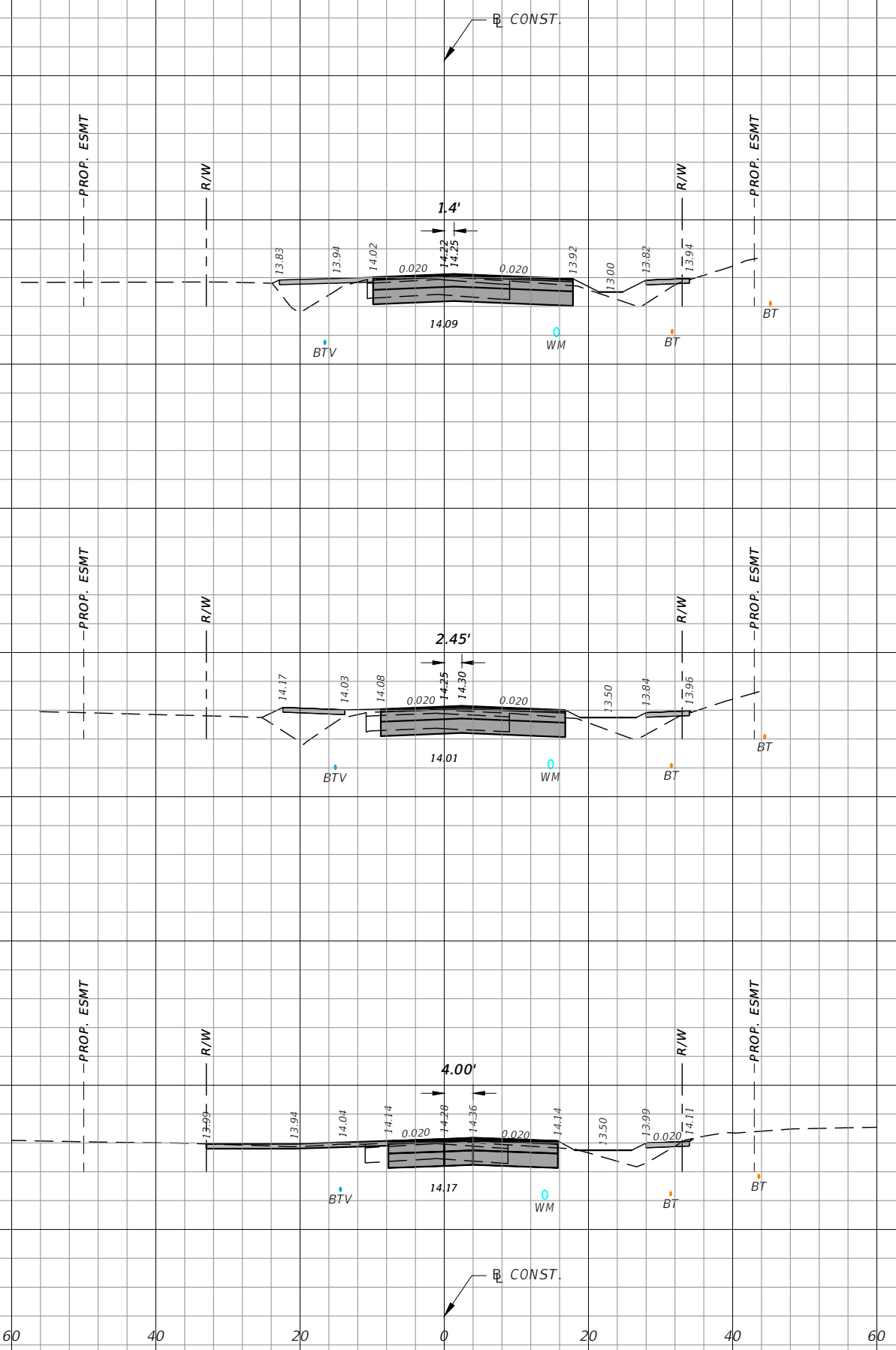
SHEET NO.
73

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

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

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
45+50.00	26.01				42.87	
		46.8				90.7
45+00.00	24.52				55.09	
		63.2				71.6
44+50.00	43.76				22.29	
		70.3				89.1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

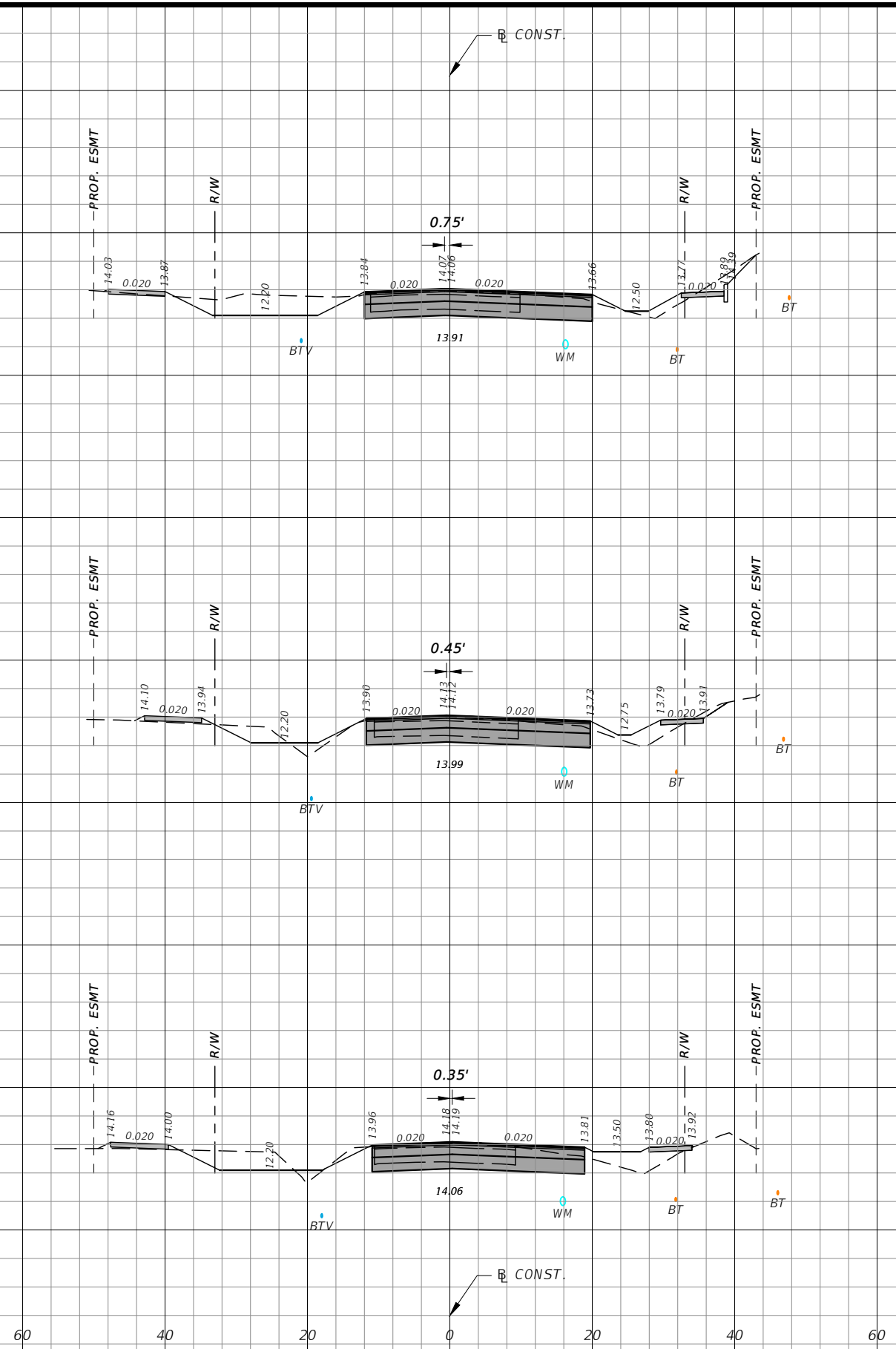
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.

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

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
47+00.00	111.36			157.4	8.44	30
46+50.00	58.65			126	24.01	46.3
46+00.00	77.43			95.8	26.03	63.8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

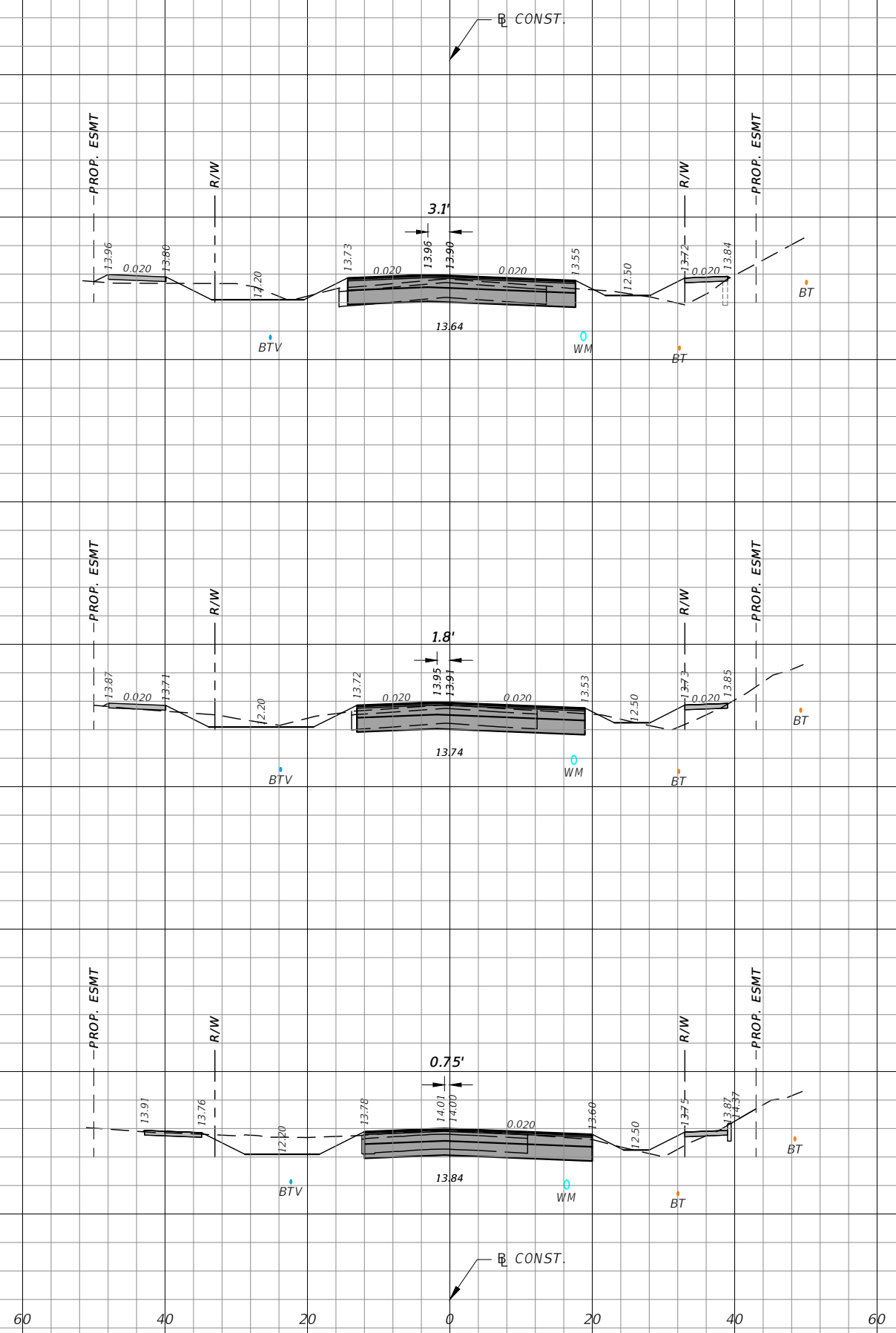
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
75

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

Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
48+50.00	44.66			90	33.28	50.7
48+00.00	52.53			121.1	21.49	31
47+50.00	78.28			175.6	12.03	19

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

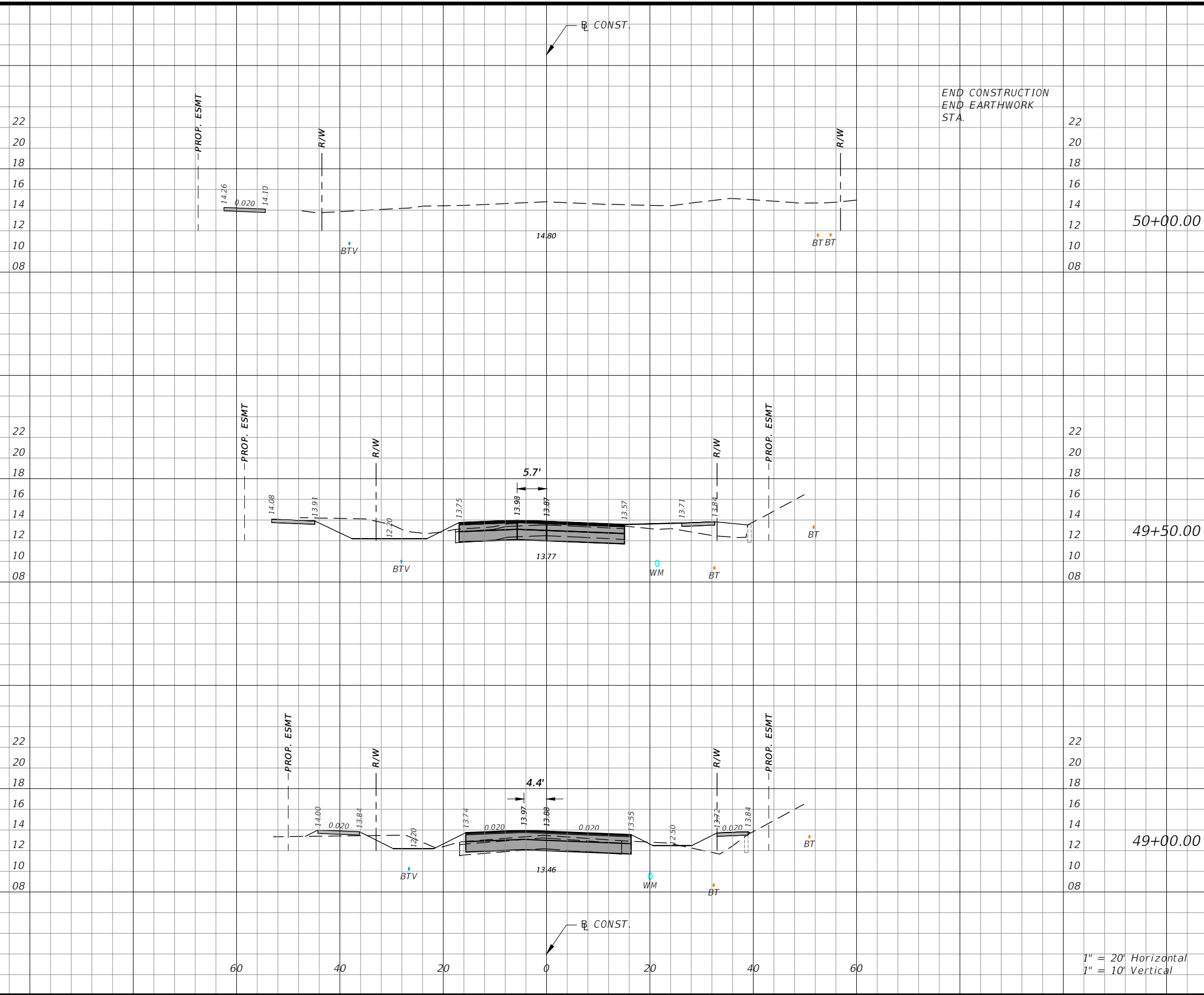
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
76

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



Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
50+00.00	0	77.2	0	0	0	173.0
49+50.00	83.42	109.6	39.52	78	39.52	78
49+00.00	34.92	73.7	45.05	72.5	45.05	72.5

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

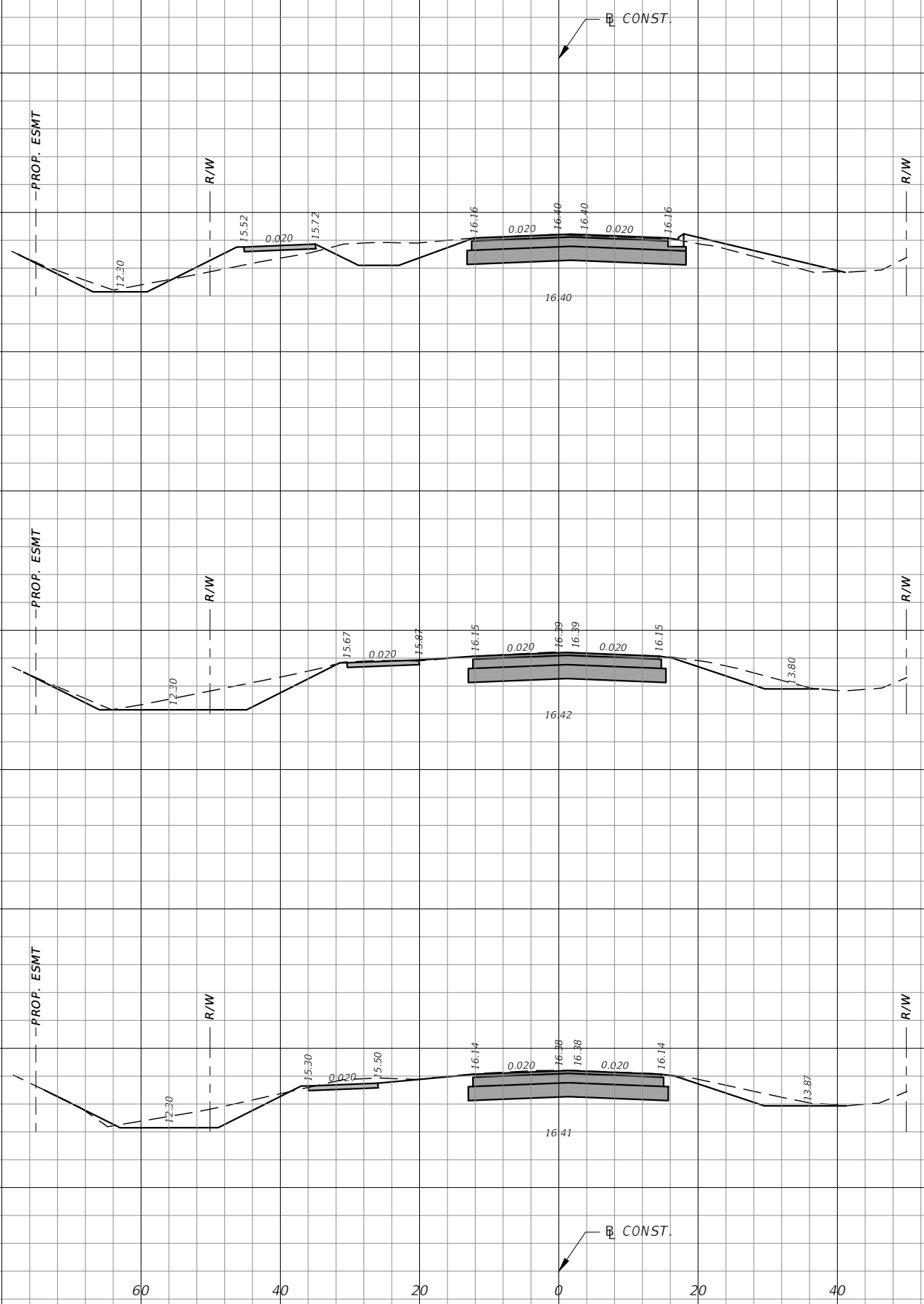
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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

65+00.00

64+50.00

64+00.00

	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
65+00.00	58.49	133.9	46.75	43.3
64+50.00	86.1	143.3	0	2.5
64+00.00	68.67	63.6	2.66	2.5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

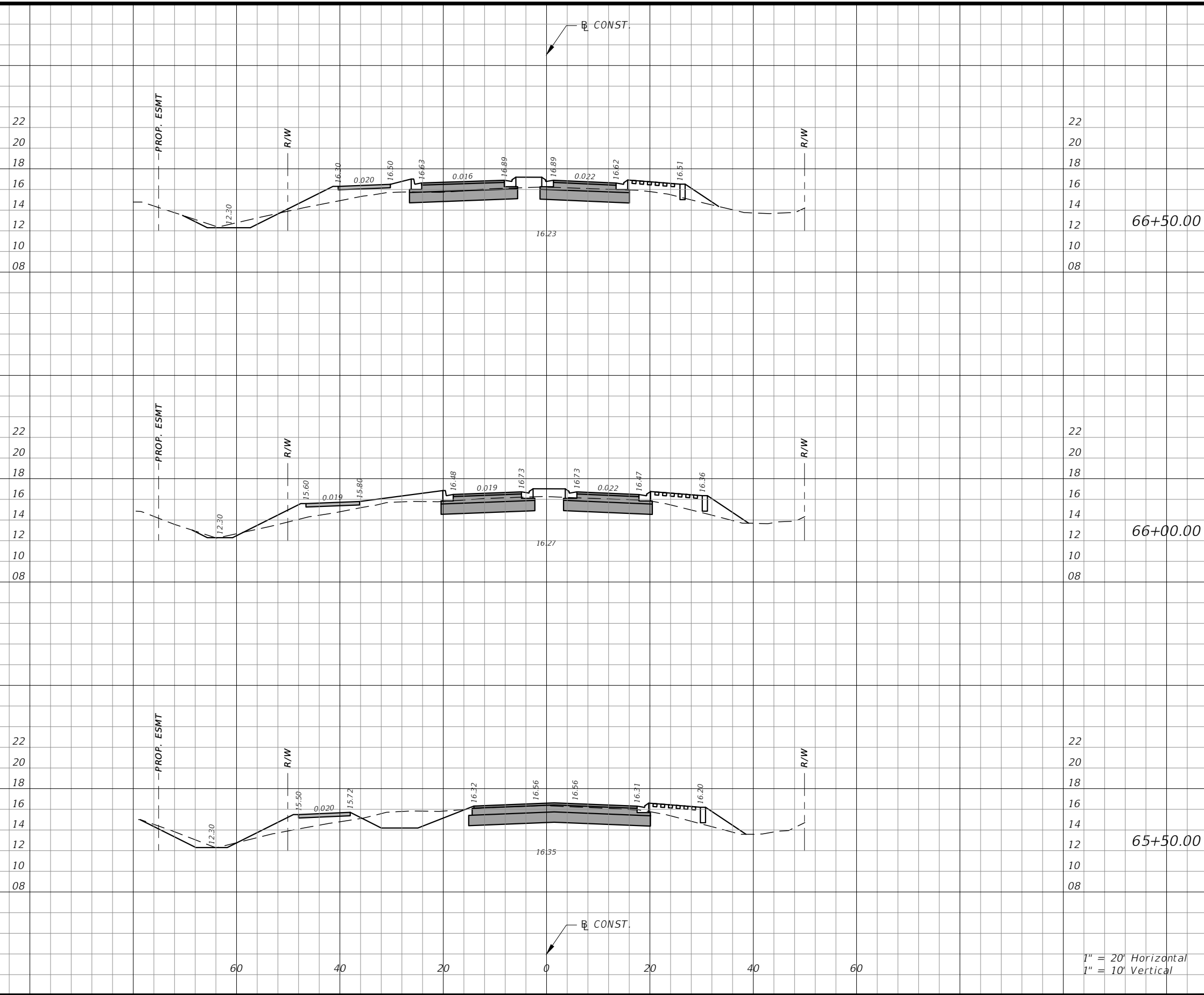
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.



Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
66+50.00	163.36	240			80.79	172
66+00.00	95.89	137.6			104.93	164.2
65+50.00	52.77	103			72.38	110.3

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIRE WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

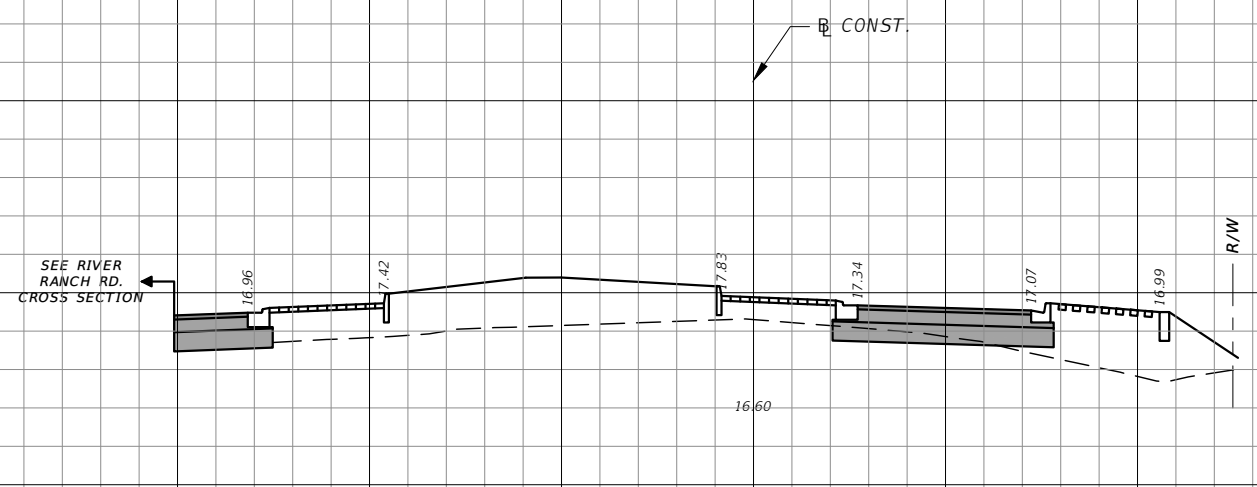
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.

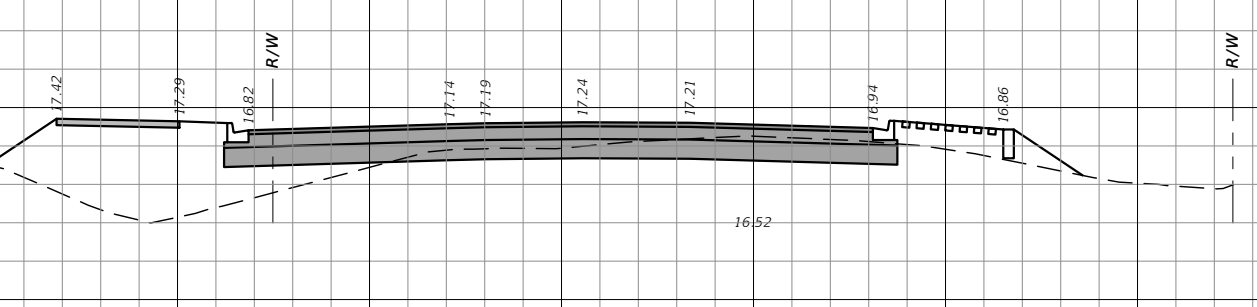
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68+00.00

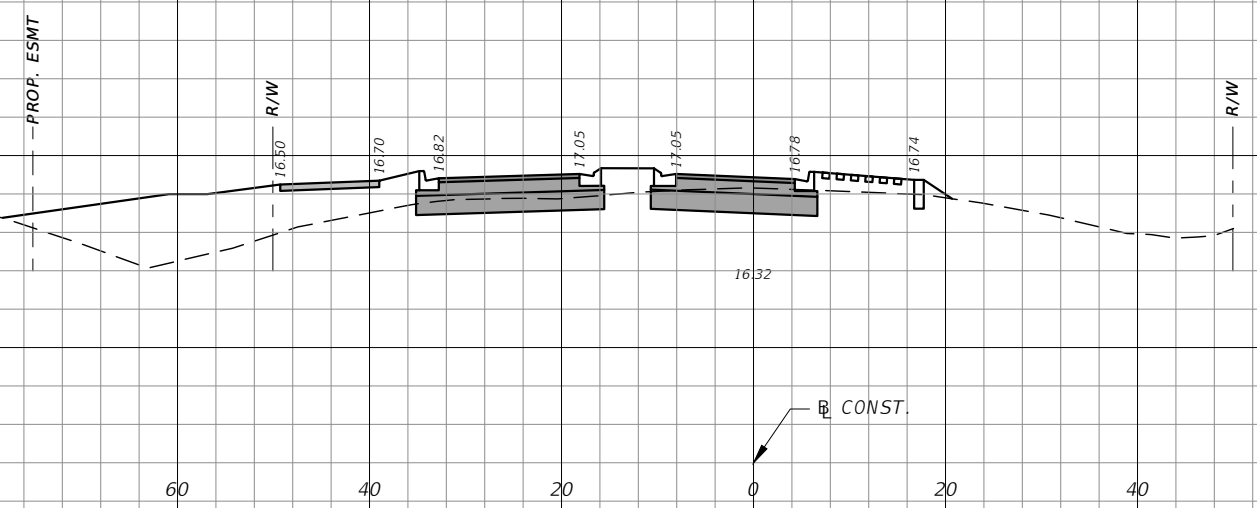
Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
68+00.00	16.91			99.2	323	540.4
67+50.00	90.21			148.3	260.68	448.5
67+00.00	69.93			216	223.69	281.9

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67+50.00

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67+00.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

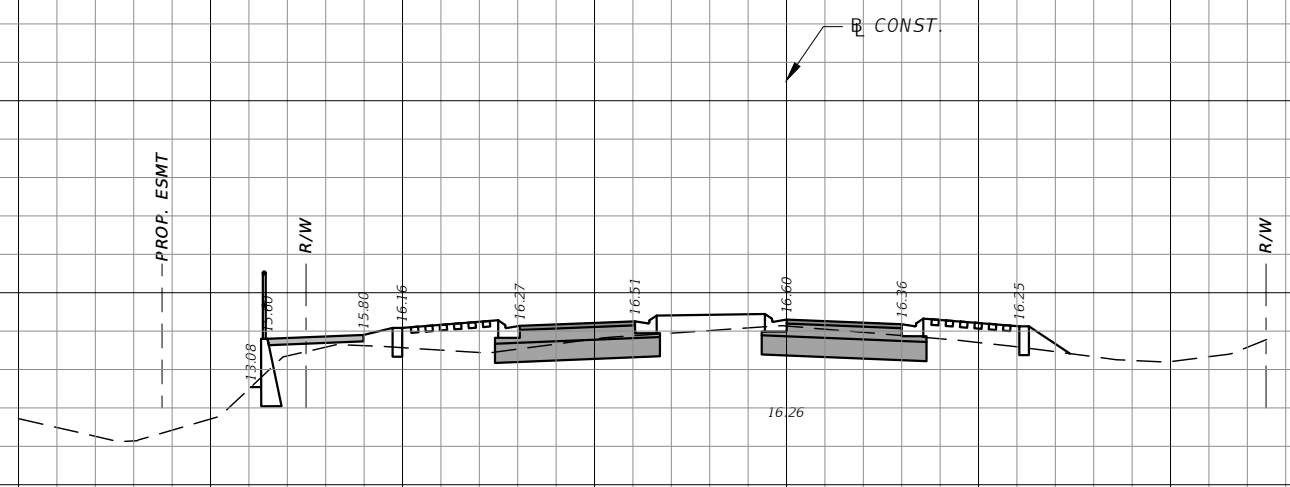
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.

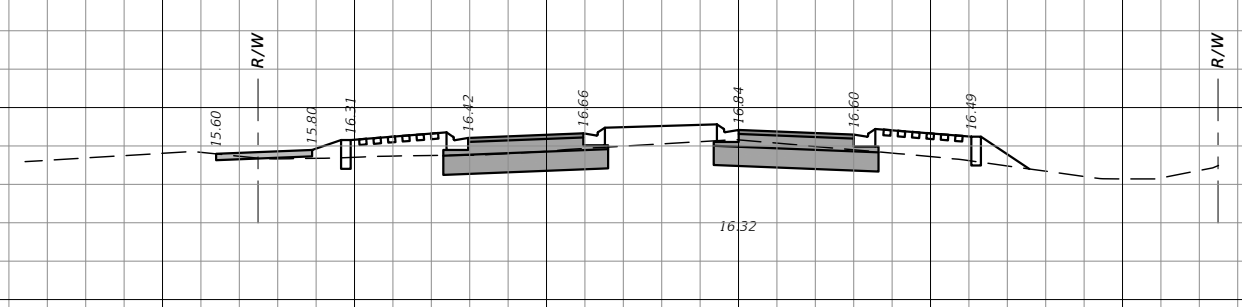
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69+50.00

Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
88.29				82.89	
	155.4				148.9

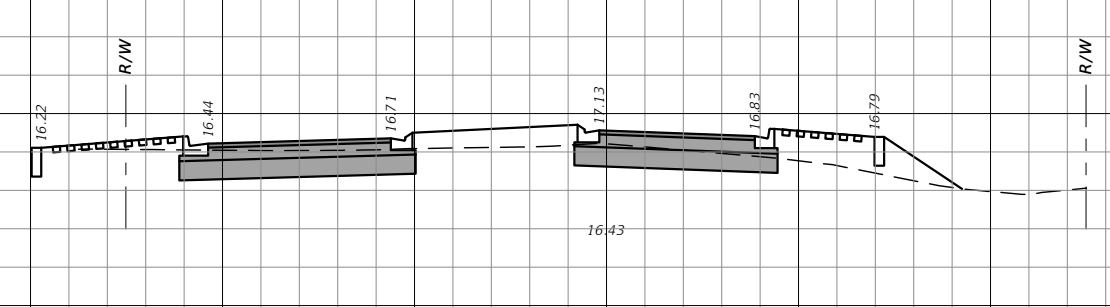
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69+00.00

79.49				77.94	
	176.8				161.4

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68+50.00

111.49				96.42	
	118.9				388.4

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

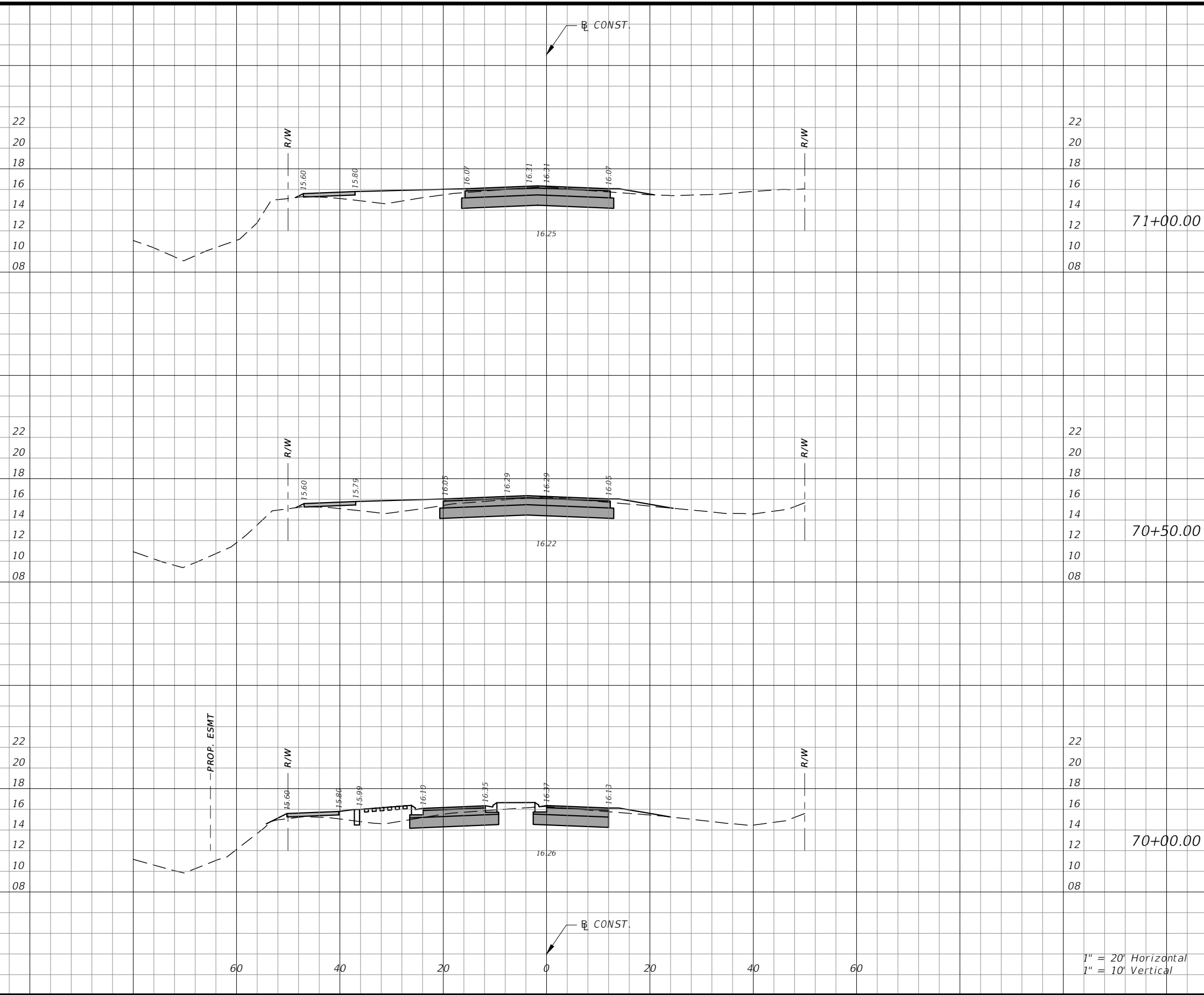
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

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.



Station	Regular		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
71+00.00	96.46	186.4	43.88	81.1
70+50.00	104.9	181.3	43.69	89.3
70+00.00	90.91	165.9	52.75	125.6

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

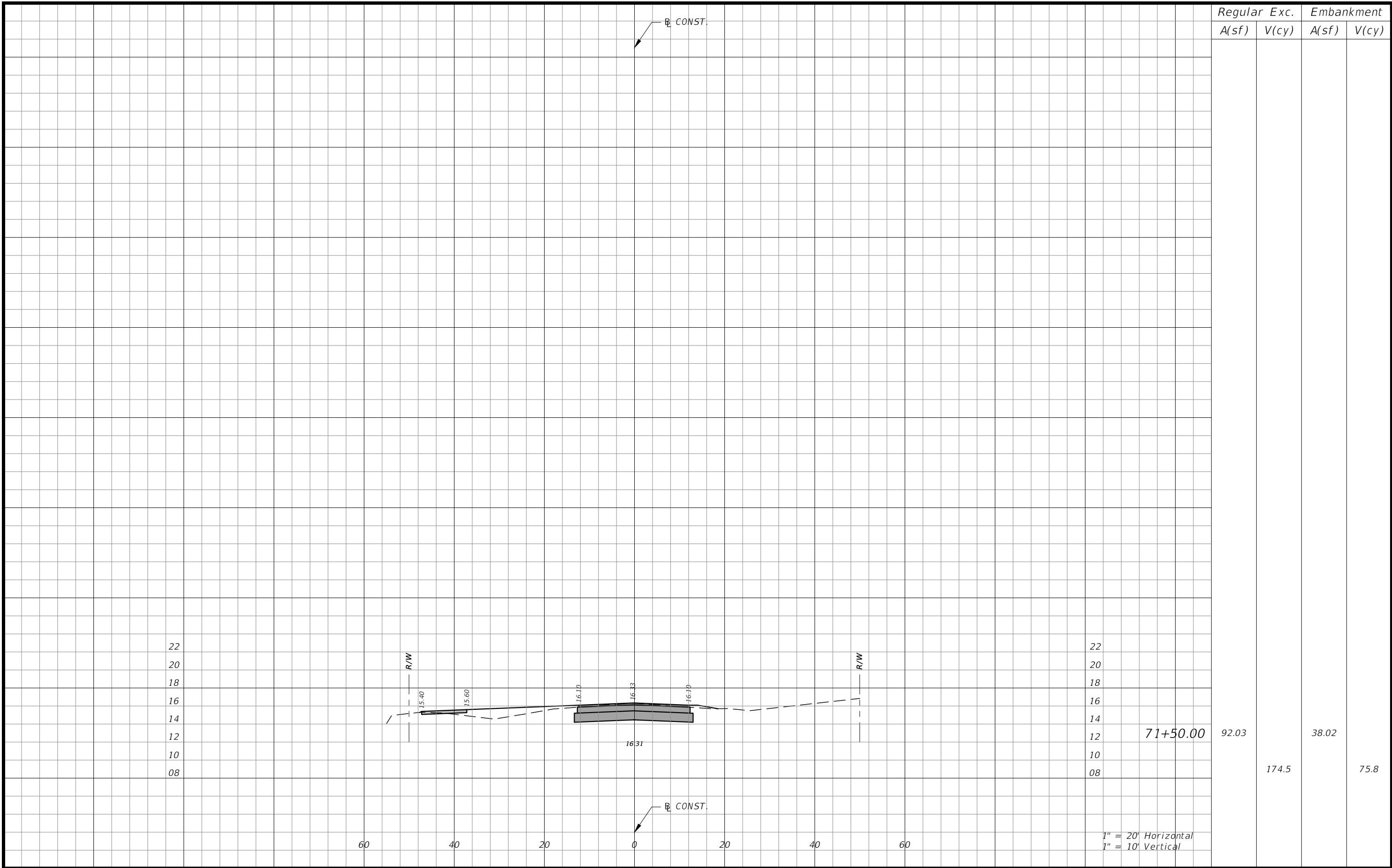
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

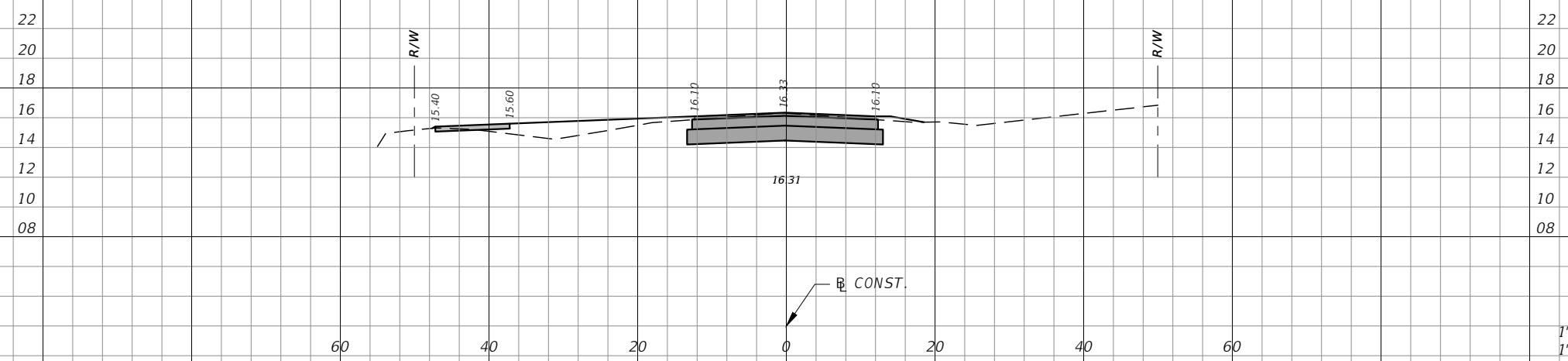
CROSS SECTIONS

SHEET NO.
82

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(sf)	V(cy)	A(sf)	V(cy)
92.03	174.5	38.02	75.8



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
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 CLAIR WRIGHT, III P.E. No. 64089

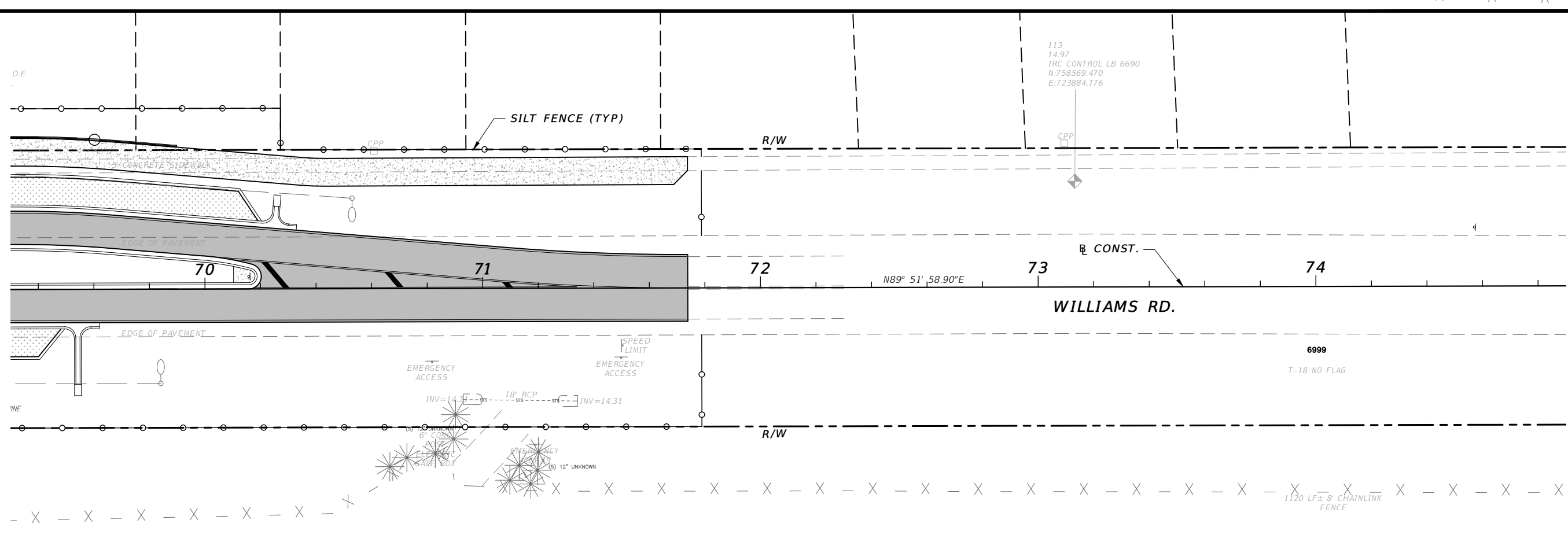
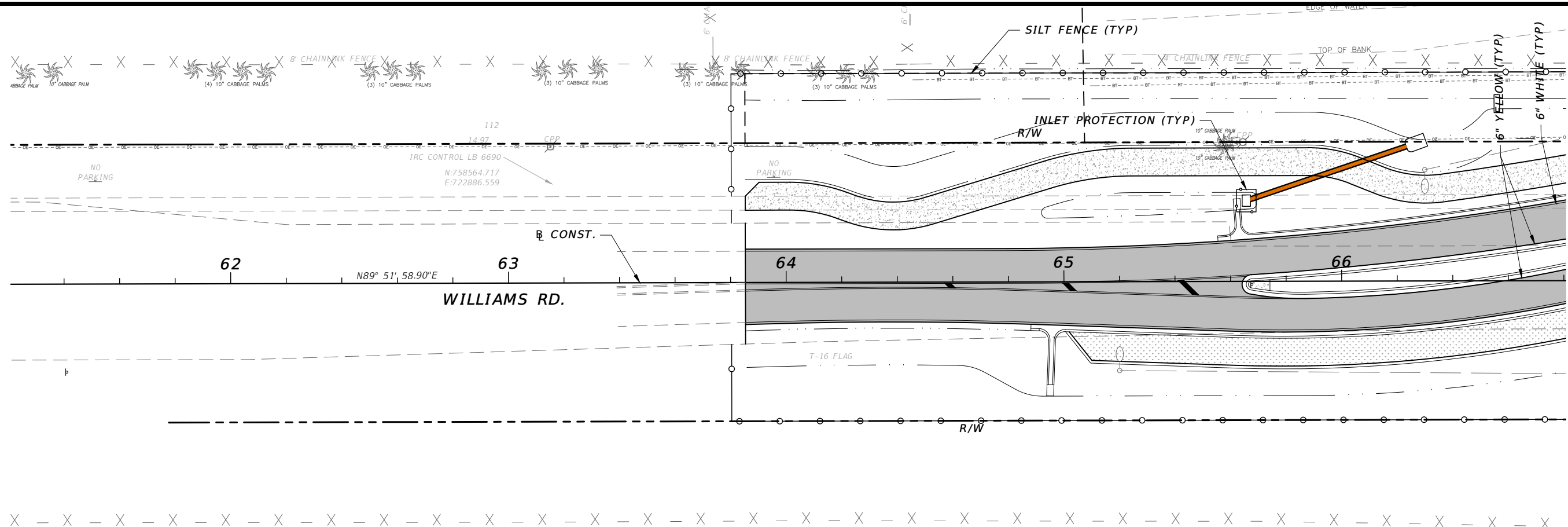
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

CROSS SECTIONS

SHEET NO.
83

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



REVISIONS			
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**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

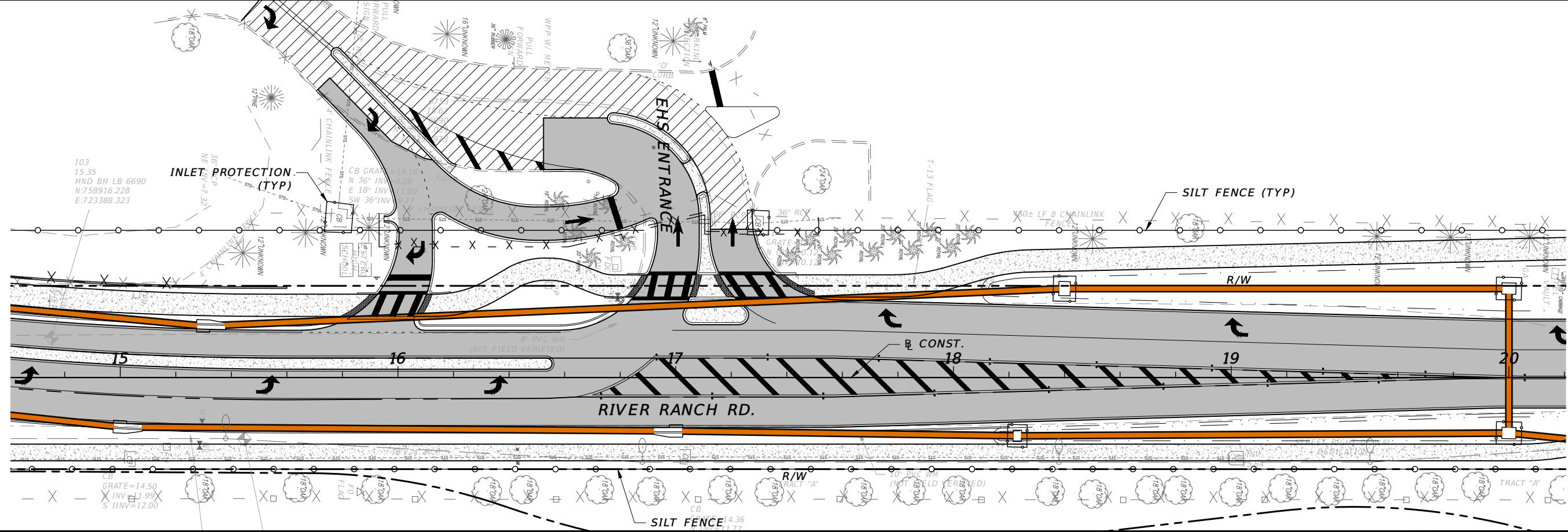
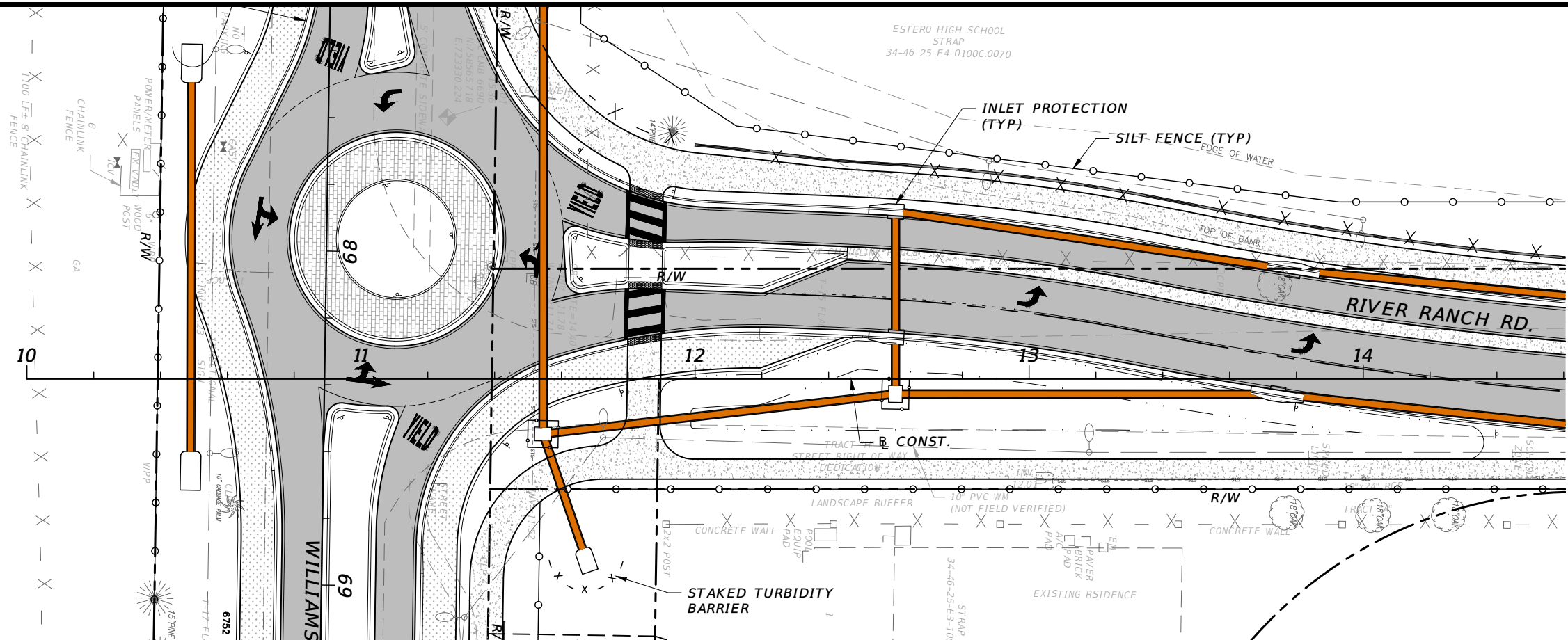
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**EROSION
 CONTROL PLAN**

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.

1" = 40'



REVISIONS			
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 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

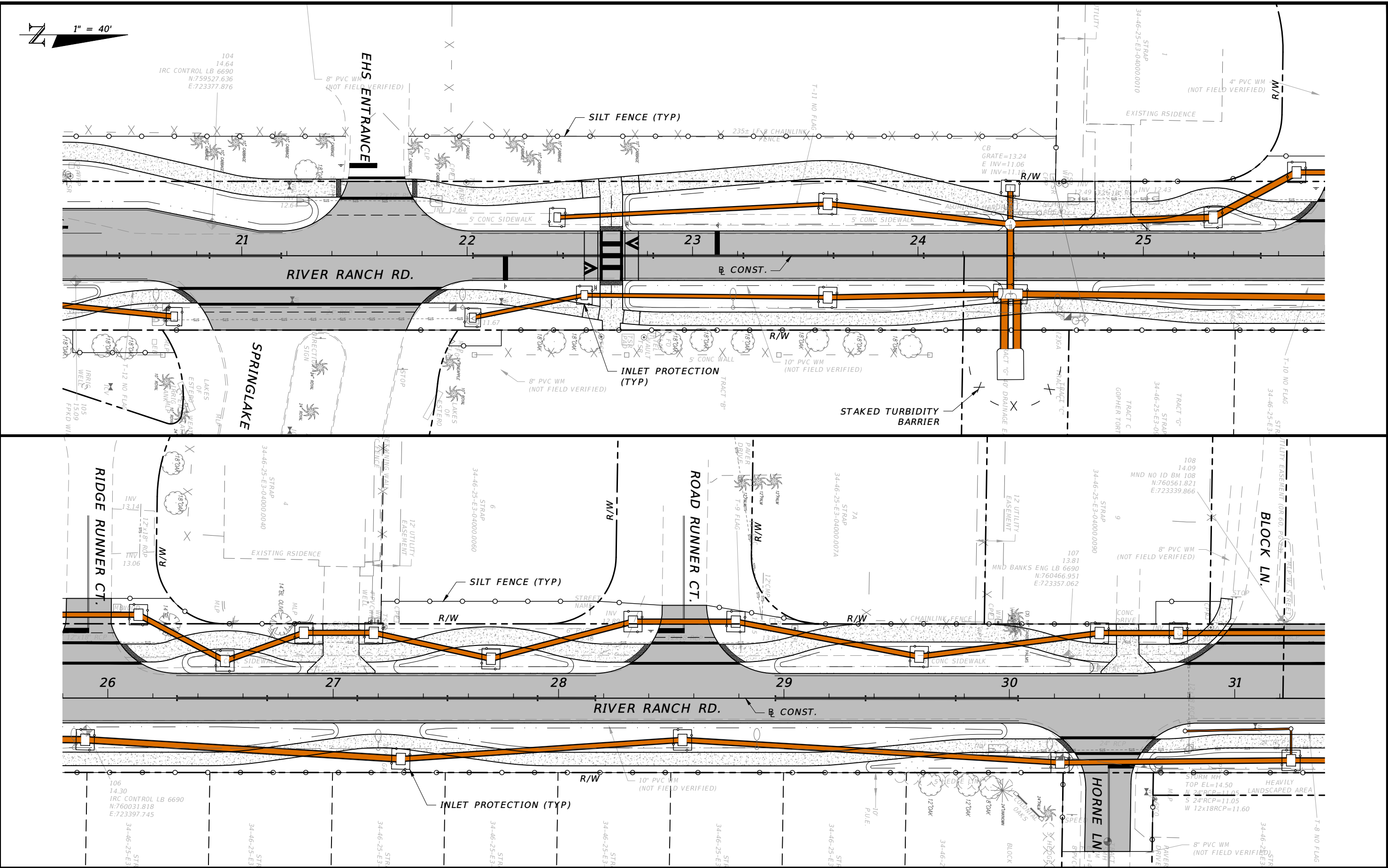
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**EROSION
 CONTROL PLAN**

SHEET NO. 85

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

1" = 40'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

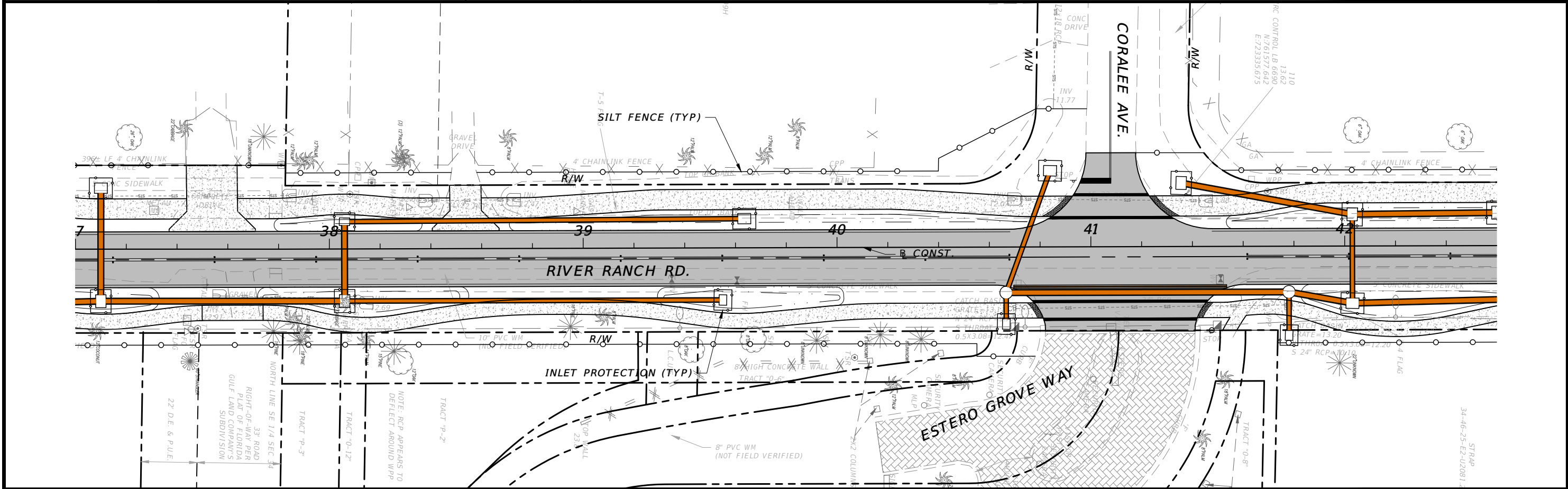
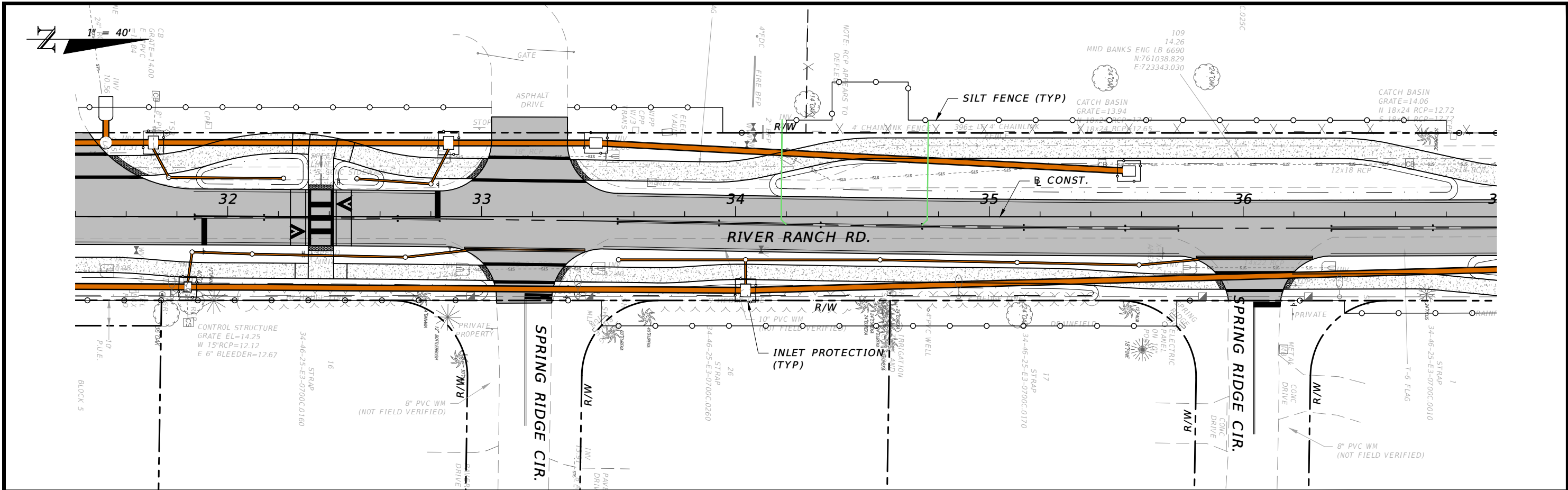
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

EROSION CONTROL PLAN

SHEET NO.
86

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



REVISIONS	
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 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
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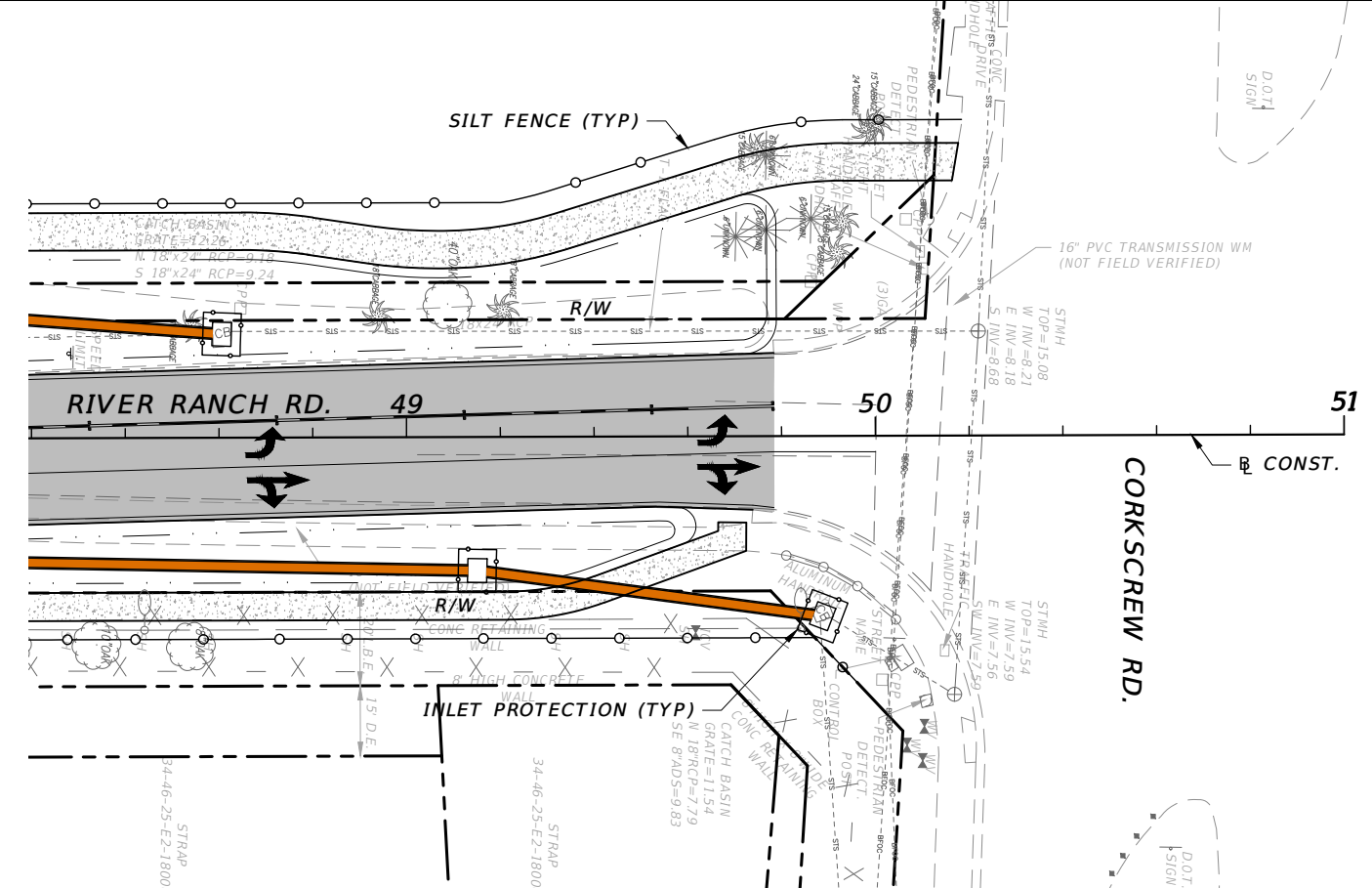
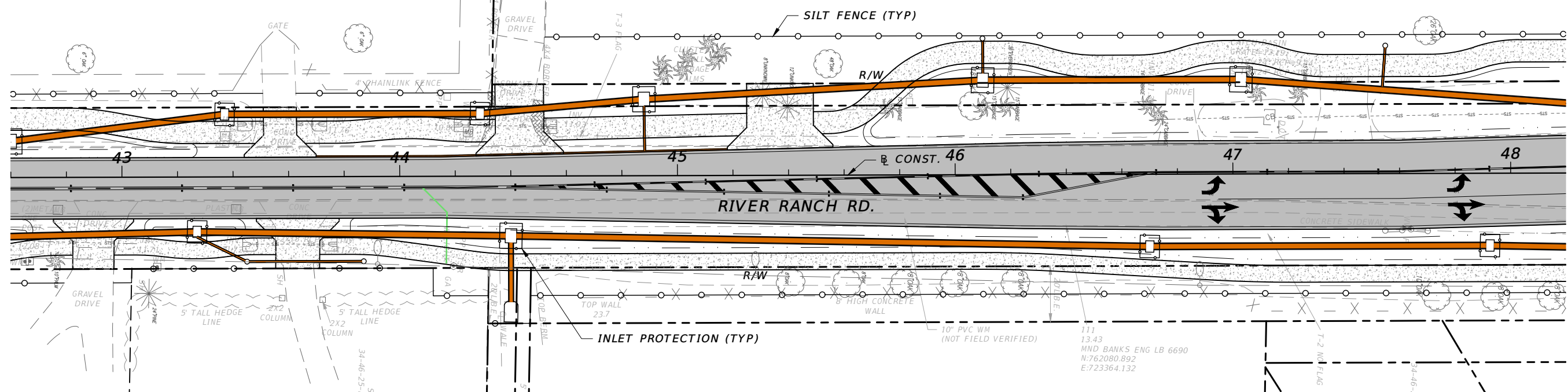
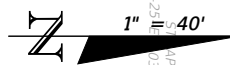
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**EROSION
 CONTROL PLAN**

SHEET NO. 87

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REVISIONS	
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 5783 BAYSHORE RD., SUITE 113
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 PH. 239-205-6473
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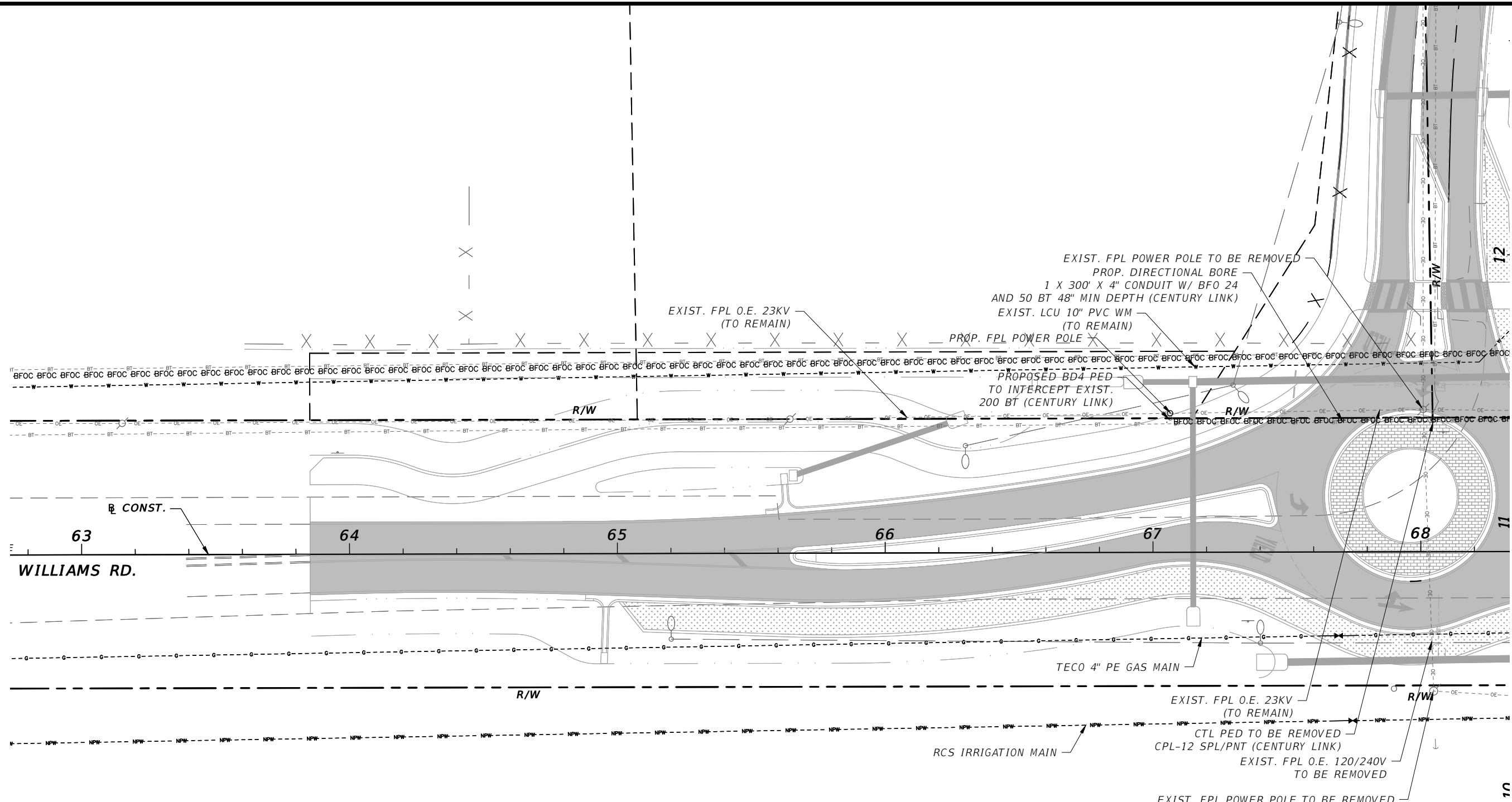
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**EROSION
 CONTROL PLAN**

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.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
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 CLAIR WRIGHT, III P.E. No. 64089

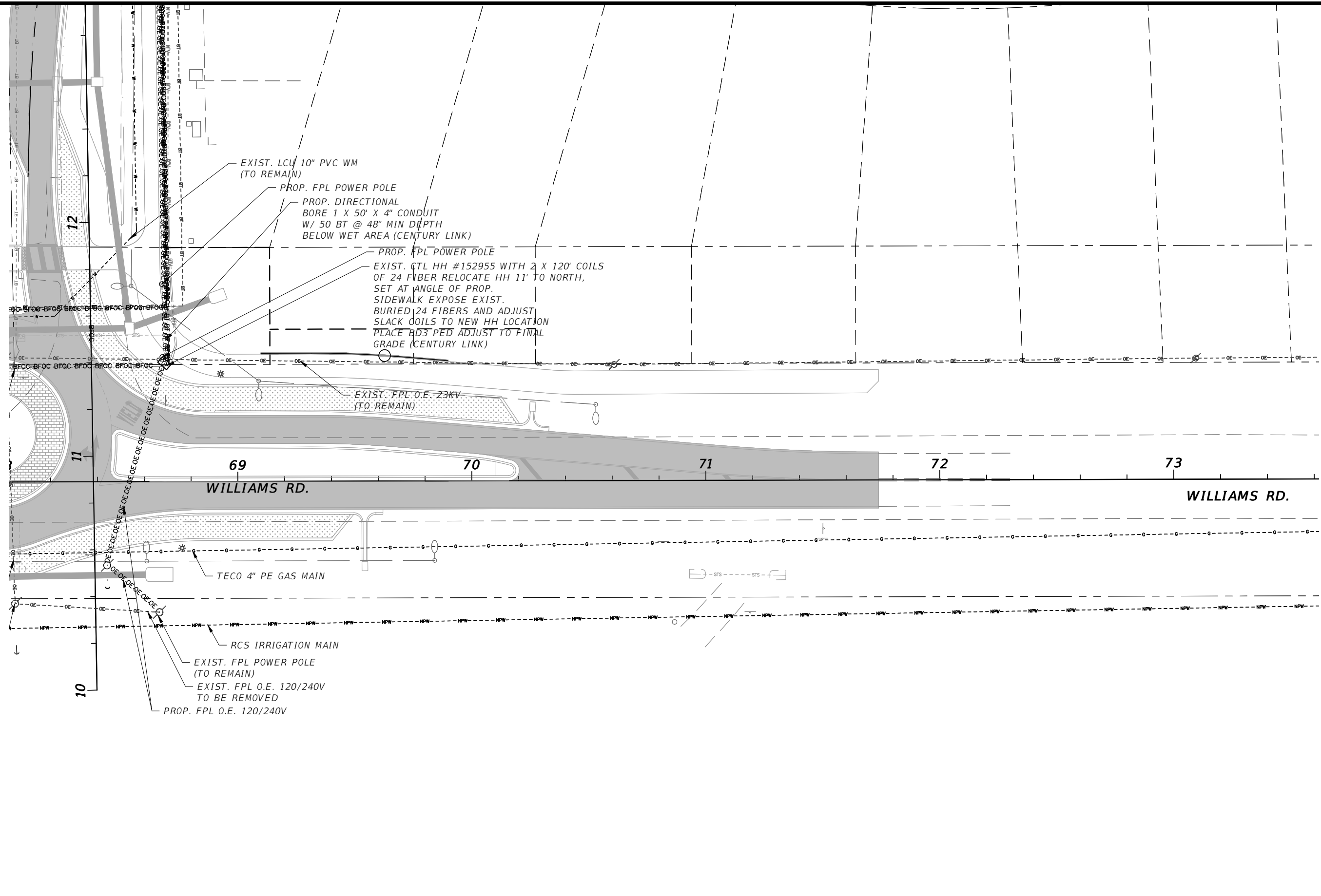
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO. 89

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

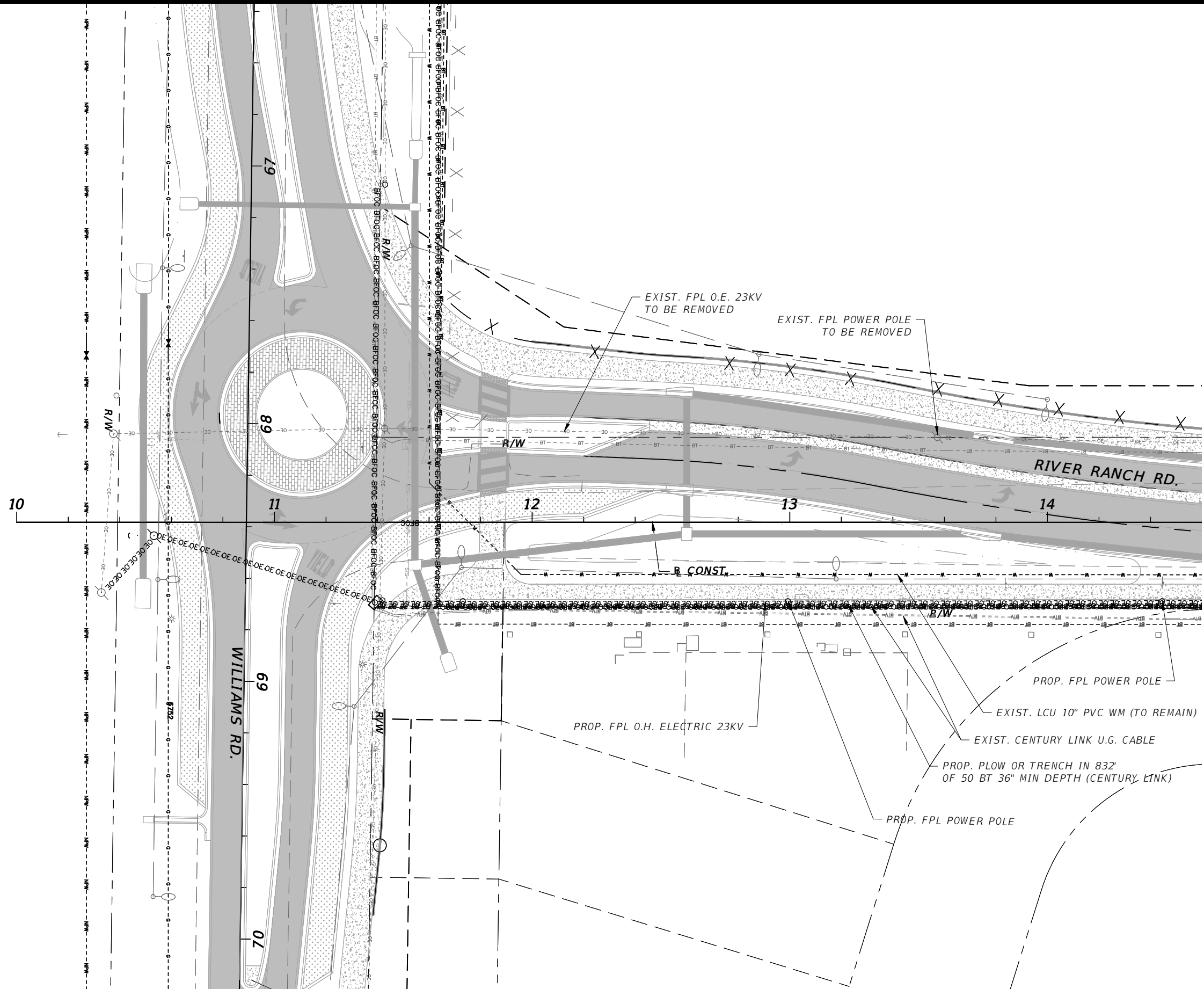
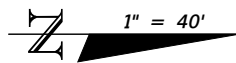
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
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 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET
NO.

90



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

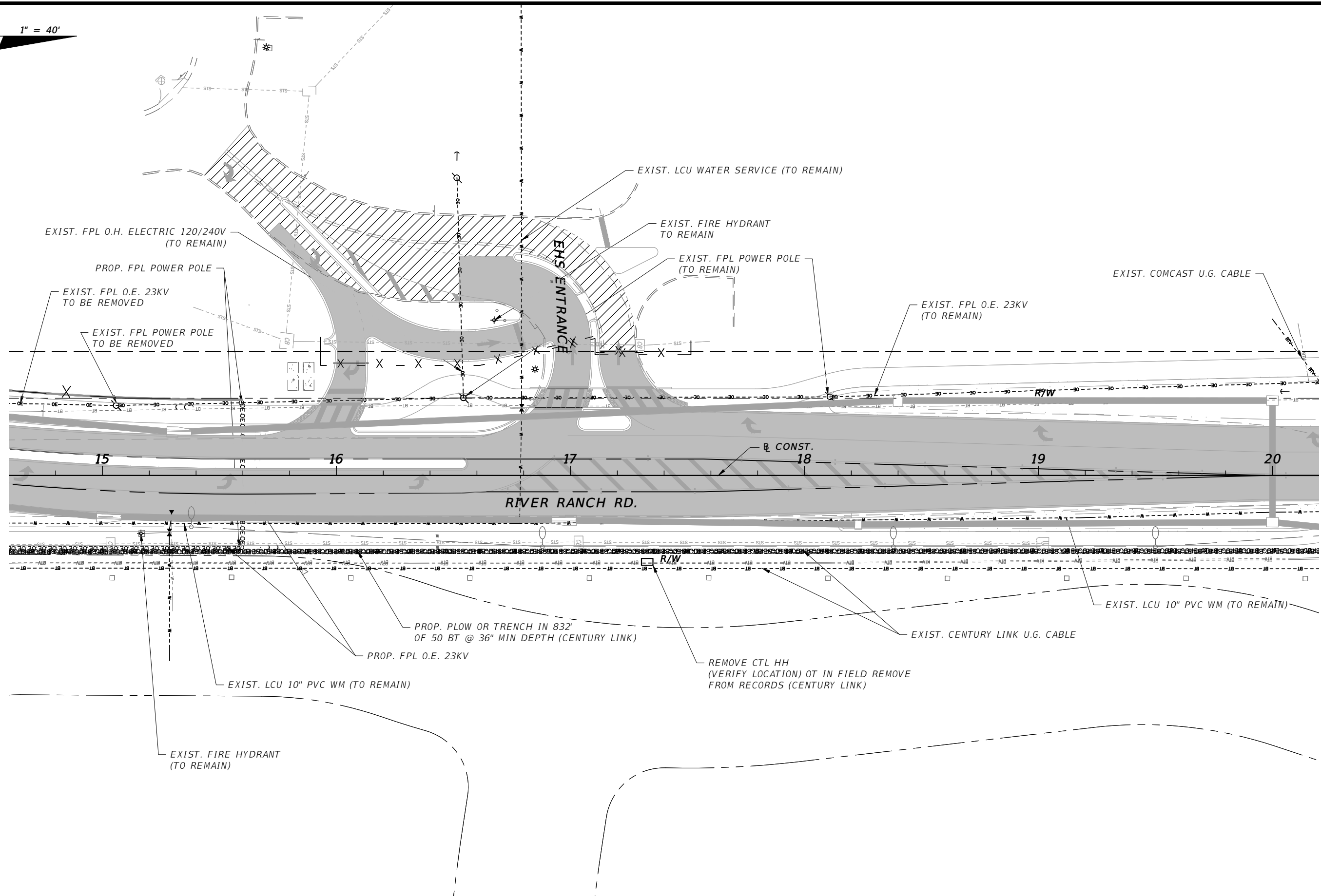
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO. 91

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1" = 40'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

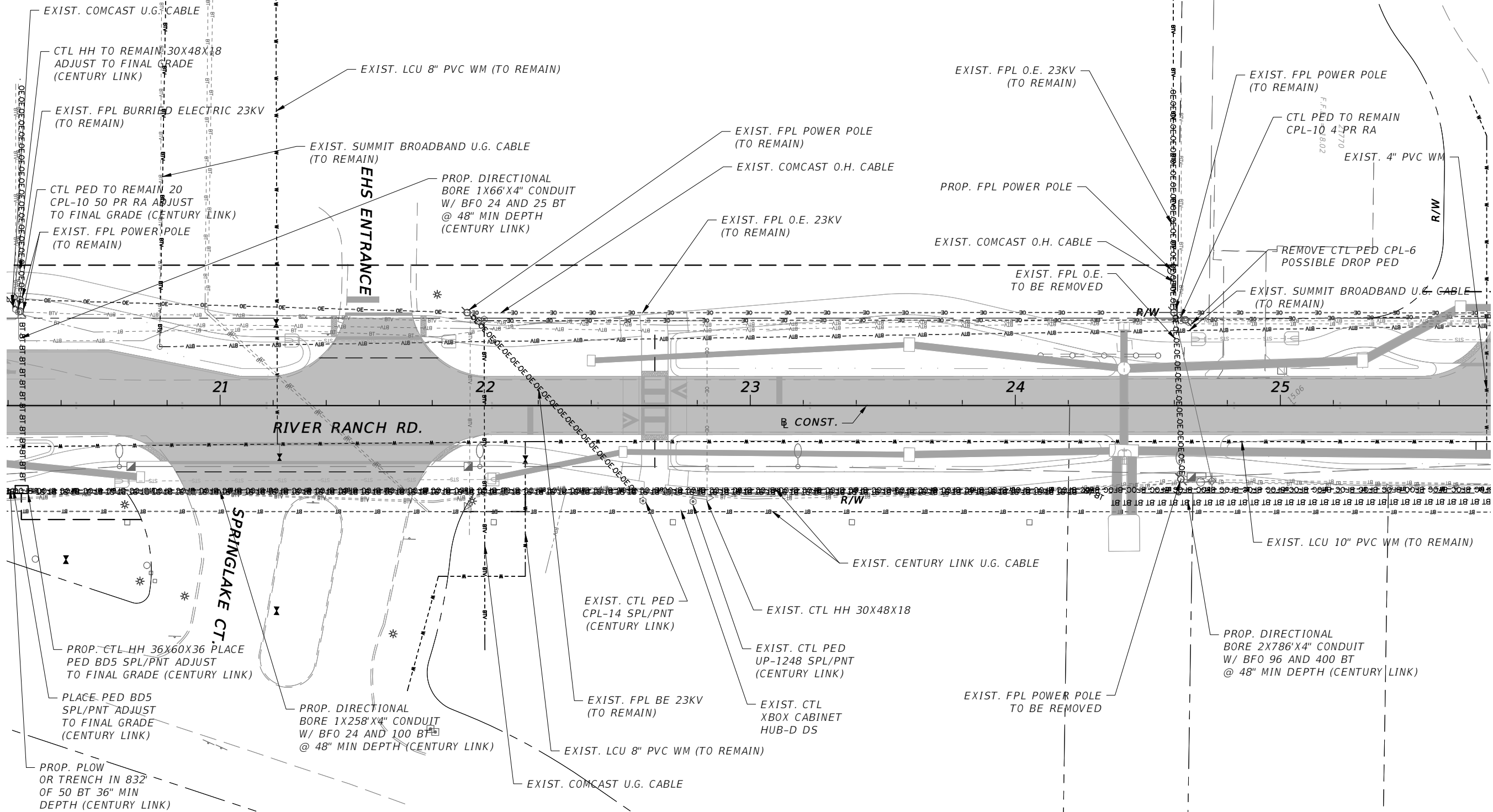
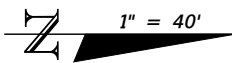
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
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 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO.
92

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

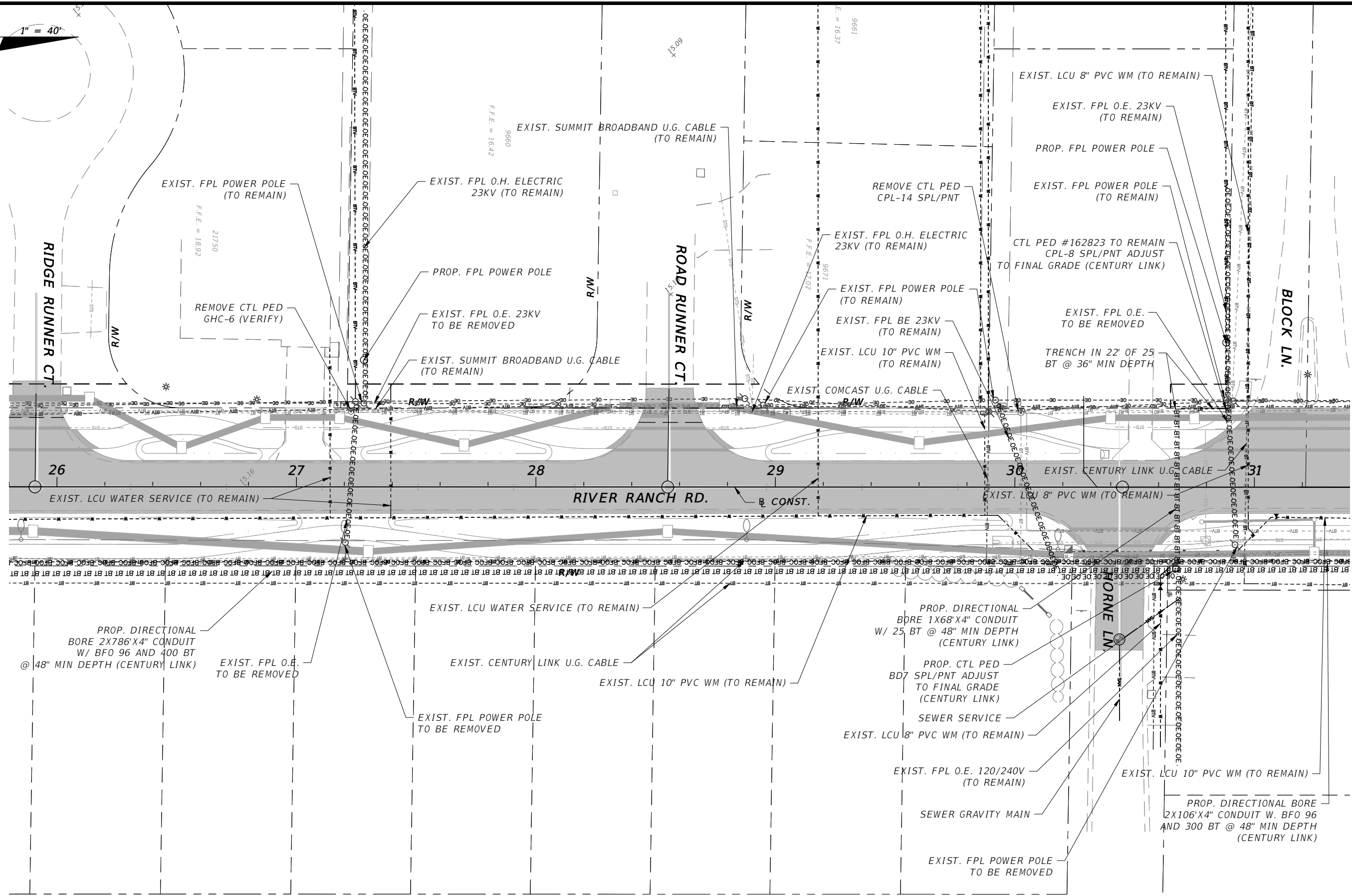
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO.
93

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
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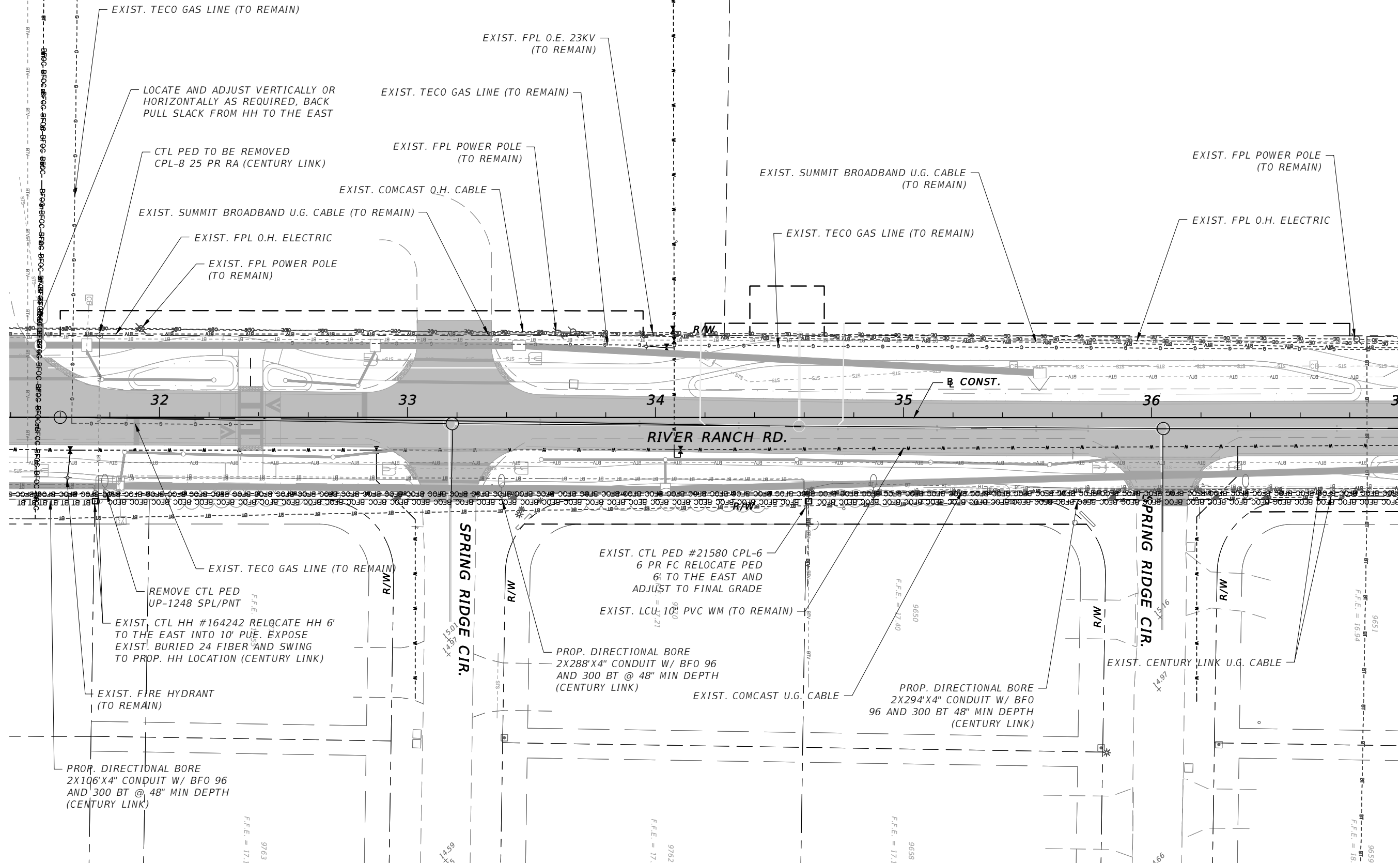
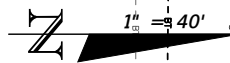
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

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.



EXIST. TECO GAS LINE (TO REMAIN)

EXIST. FPL O.E. 23KV
(TO REMAIN)

LOCATE AND ADJUST VERTICALLY OR
HORIZONTALLY AS REQUIRED, BACK
PULL SLACK FROM HH TO THE EAST

EXIST. TECO GAS LINE (TO REMAIN)

CTL PED TO BE REMOVED
CPL-8 25 PR RA (CENTURY LINK)

EXIST. FPL POWER POLE
(TO REMAIN)

EXIST. SUMMIT BROADBAND U.G. CABLE
(TO REMAIN)

EXIST. FPL POWER POLE
(TO REMAIN)

EXIST. SUMMIT BROADBAND U.G. CABLE (TO REMAIN)

EXIST. COMCAST O.H. CABLE

EXIST. TECO GAS LINE (TO REMAIN)

EXIST. FPL O.H. ELECTRIC

EXIST. FPL O.H. ELECTRIC

EXIST. FPL POWER POLE
(TO REMAIN)

32

33

34

35

36

RIVER RANCH RD.

SPRING RIDGE CIR.

SPRING RIDGE CIR.

EXIST. TECO GAS LINE (TO REMAIN)

REMOVE CTL PED
UP-1248 SPL/PNT

EXIST. CTL HH #164242 RELOCATE HH 6'
TO THE EAST INTO 10' PUE. EXPOSE
EXIST. BURIED 24 FIBER AND SWING
TO PROP. HH LOCATION (CENTURY LINK)

EXIST. FIRE HYDRANT
(TO REMAIN)

PROP. DIRECTIONAL BORE
2X106"X4" CONDUIT W/ BFO 96
AND 300 BT @ 48" MIN DEPTH
(CENTURY LINK)

EXIST. CTL PED #21580 CPL-6
6 PR FC RELOCATE PED
6' TO THE EAST AND
ADJUST TO FINAL GRADE

EXIST. LCU 10" PVC WM (TO REMAIN)

PROP. DIRECTIONAL BORE
2X288"X4" CONDUIT W/ BFO 96
AND 300 BT @ 48" MIN DEPTH
(CENTURY LINK)

EXIST. COMCAST U.G. CABLE

PROP. DIRECTIONAL BORE
2X294"X4" CONDUIT W/ BFO
96 AND 300 BT 48" MIN DEPTH
(CENTURY LINK)

EXIST. CENTURY LINK U.G. CABLE

REVISIONS	
DATE	DESCRIPTION

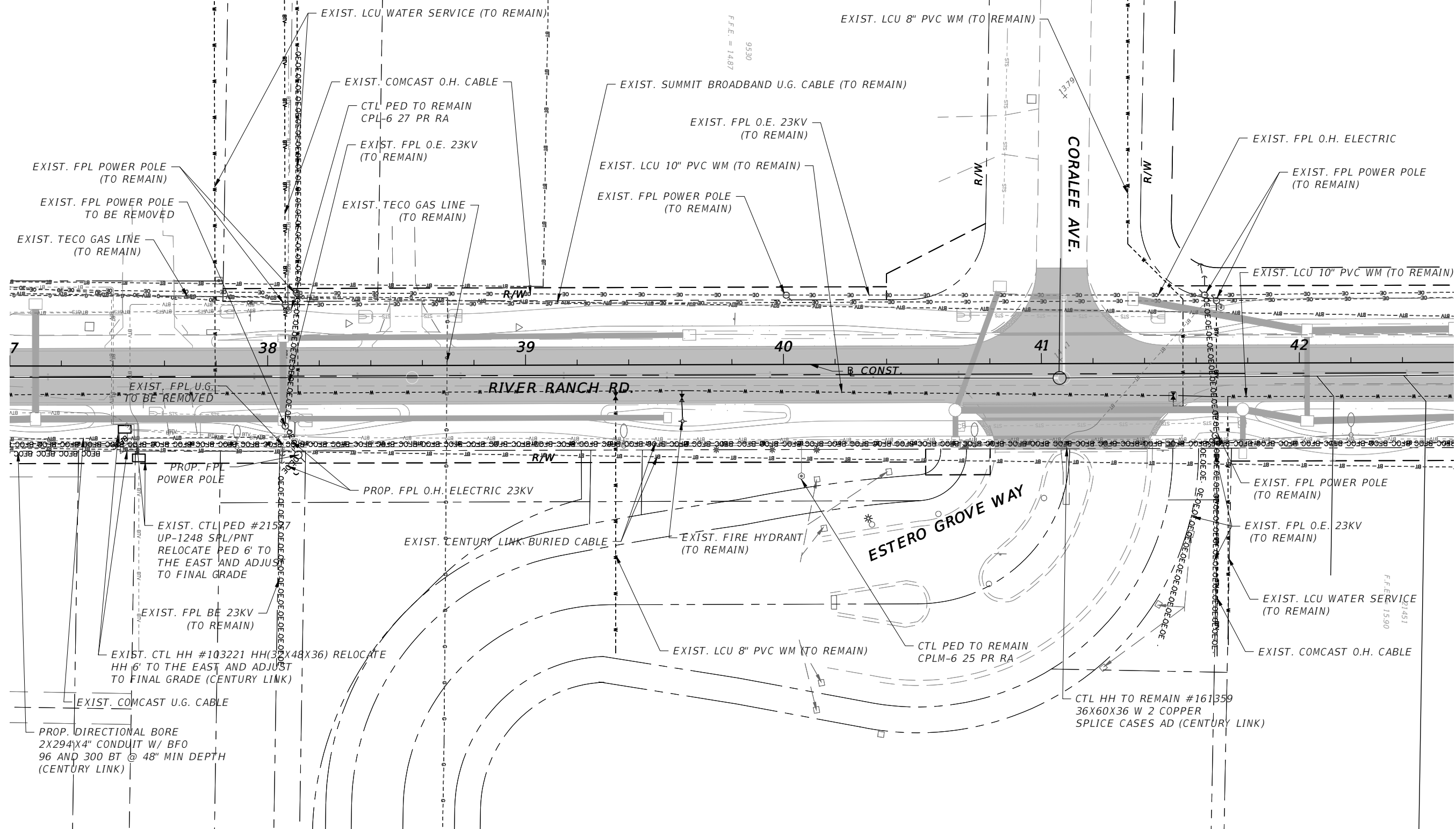
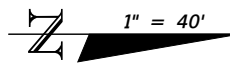
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO.
95

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REVISIONS	
DATE	DESCRIPTION

CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
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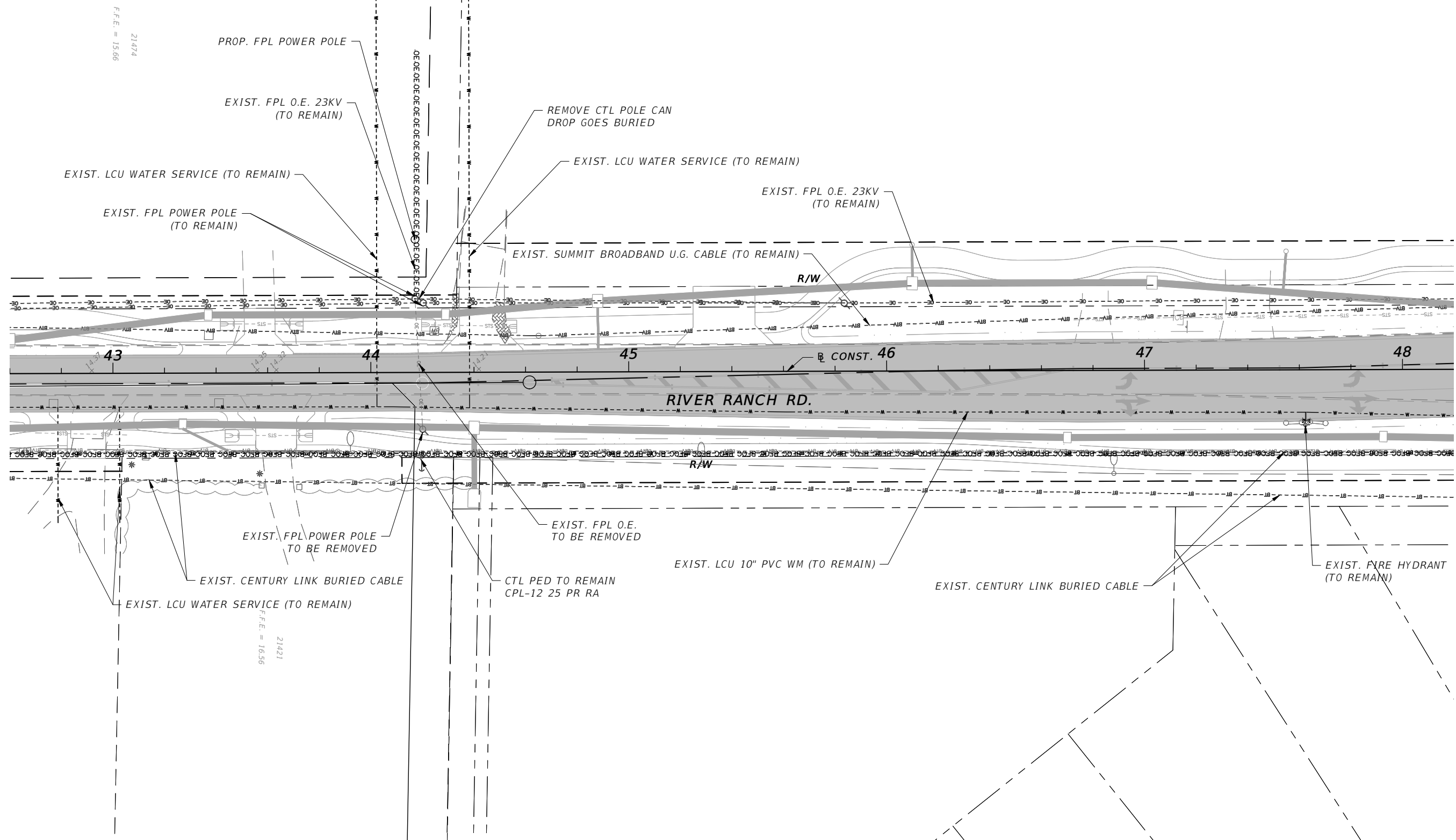
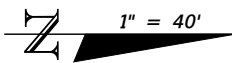
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO. 96

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



F.F.E. = 15.66
21474

F.F.E. = 16.56
21421

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

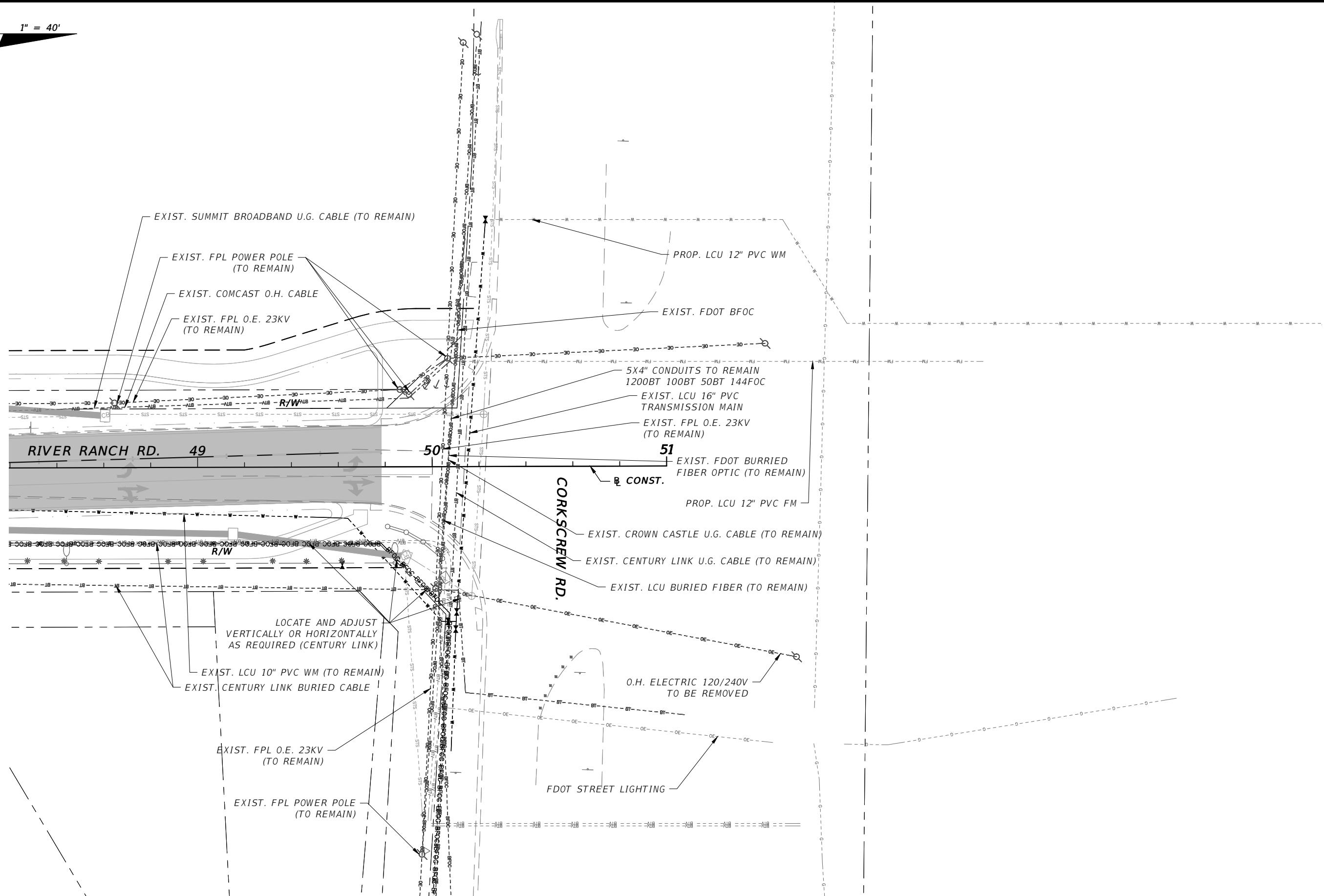
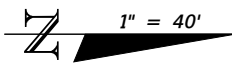
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO. 97

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REVISIONS			
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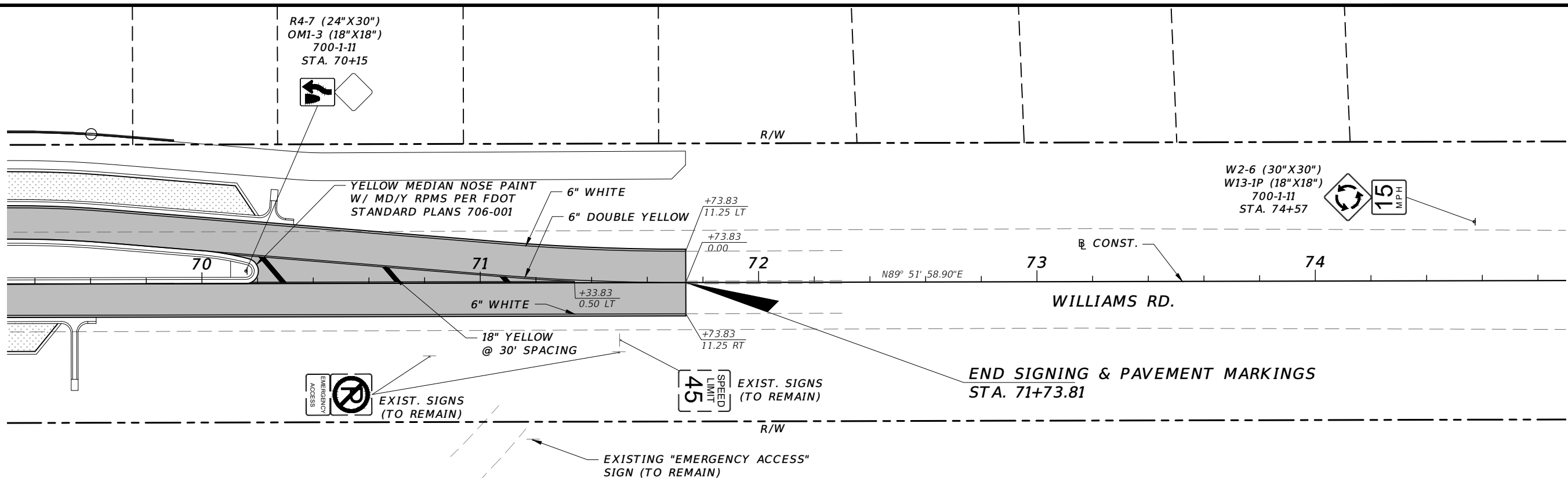
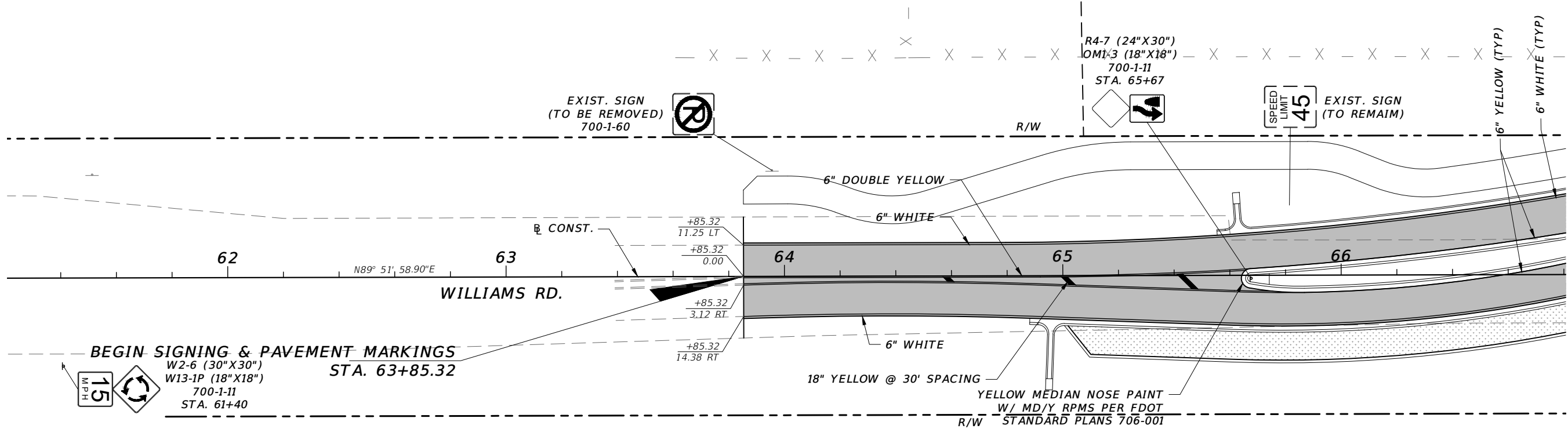
**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

UTILITY ADJUSTMENTS

SHEET NO.
98

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REVISIONS	
DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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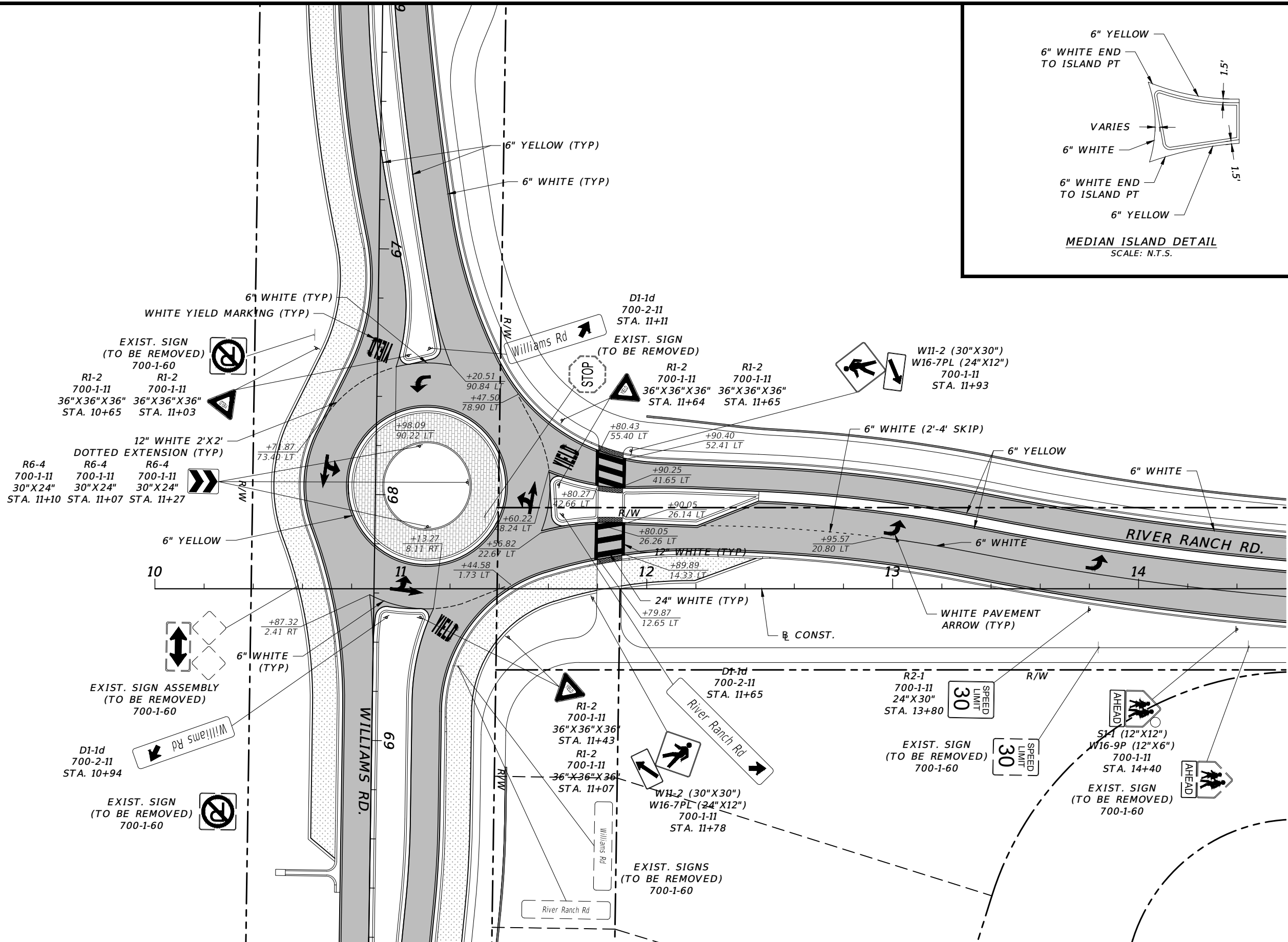
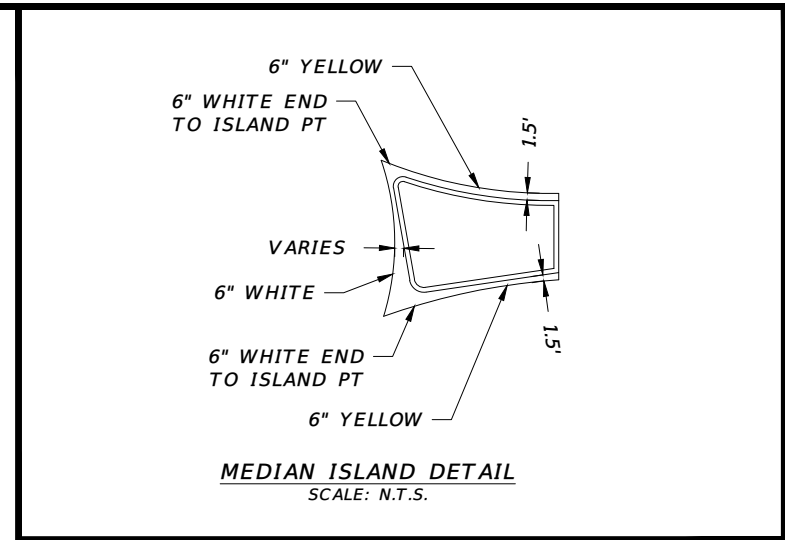
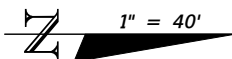
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO.
99

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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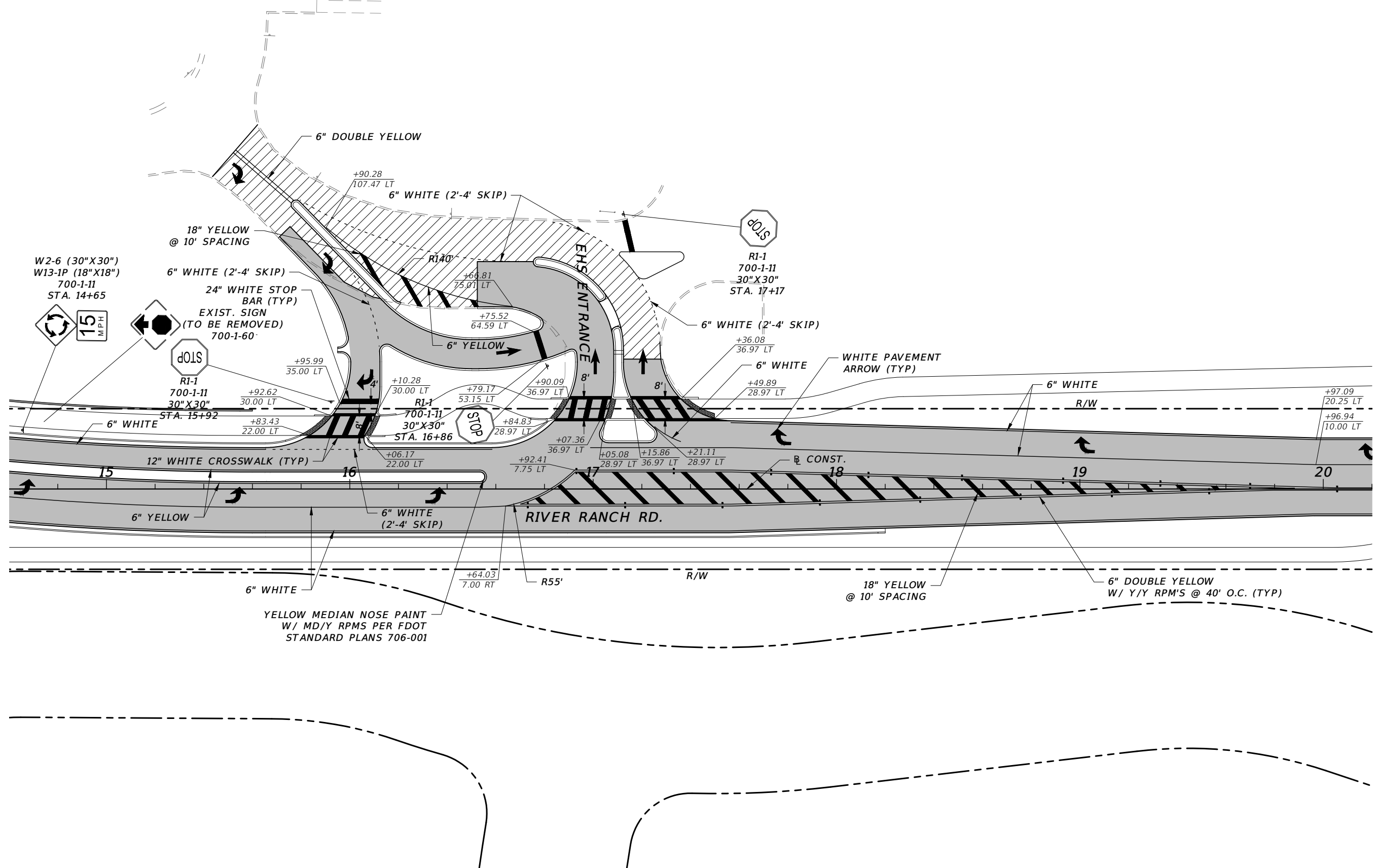
RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO.	100
-----------	-----

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N 1" = 40'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 CLAIR WRIGHT, III P.E. No. 64089

**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

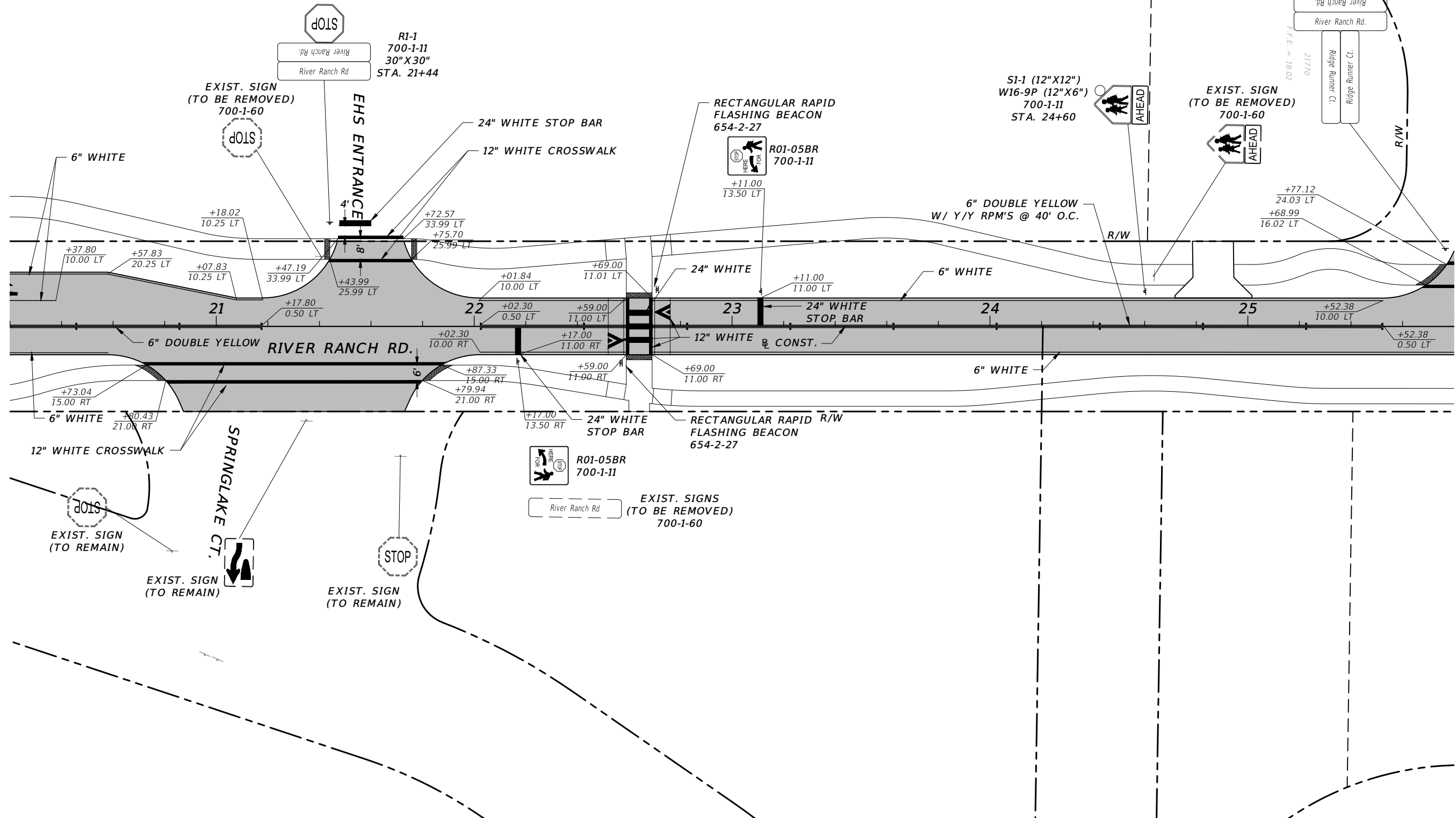
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO.
 101

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

1" = 40'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CW3 ENGINEERING, INC.
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 NORTH FT. MYERS, FL 33917
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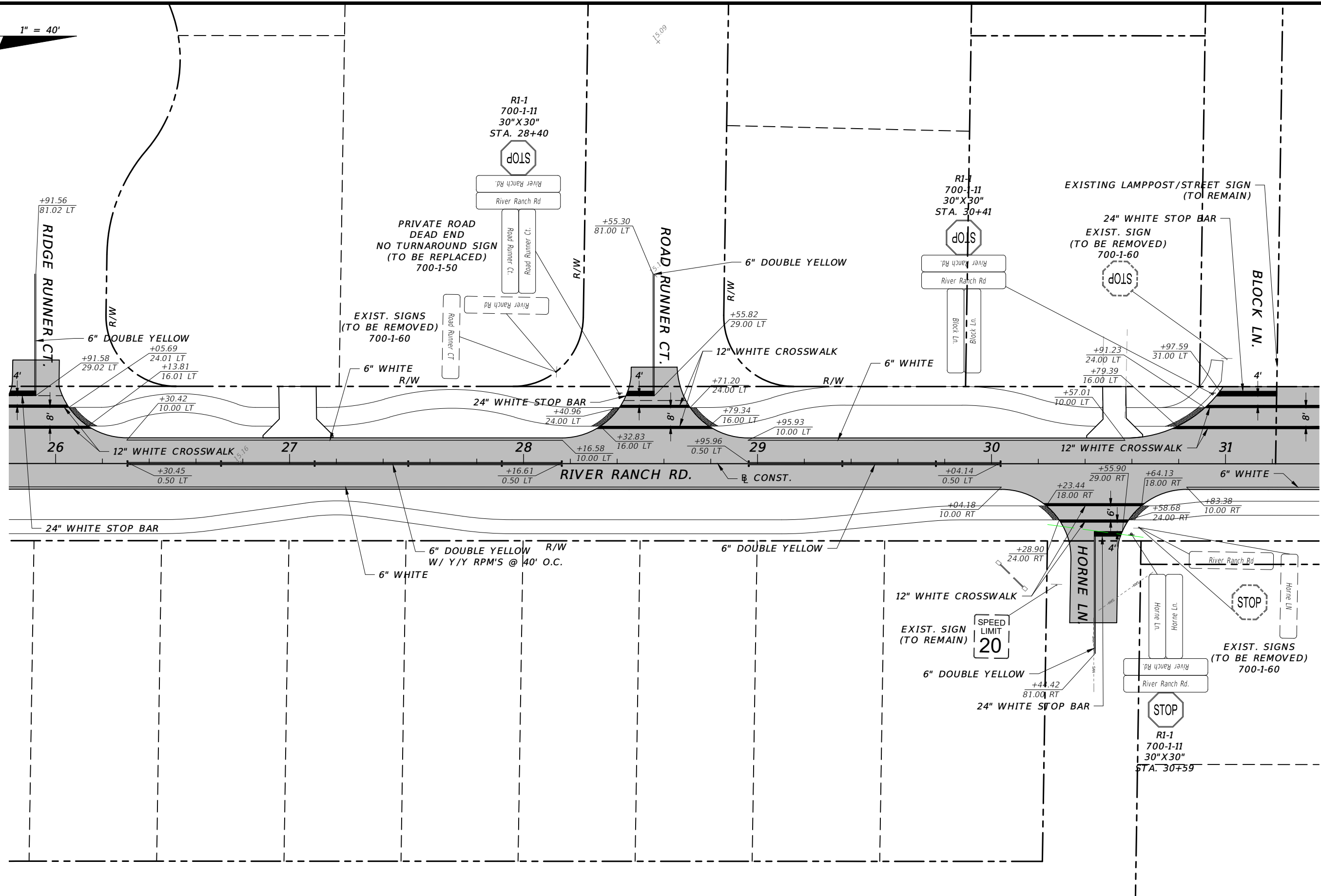
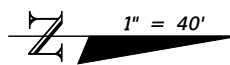
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO. 102

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

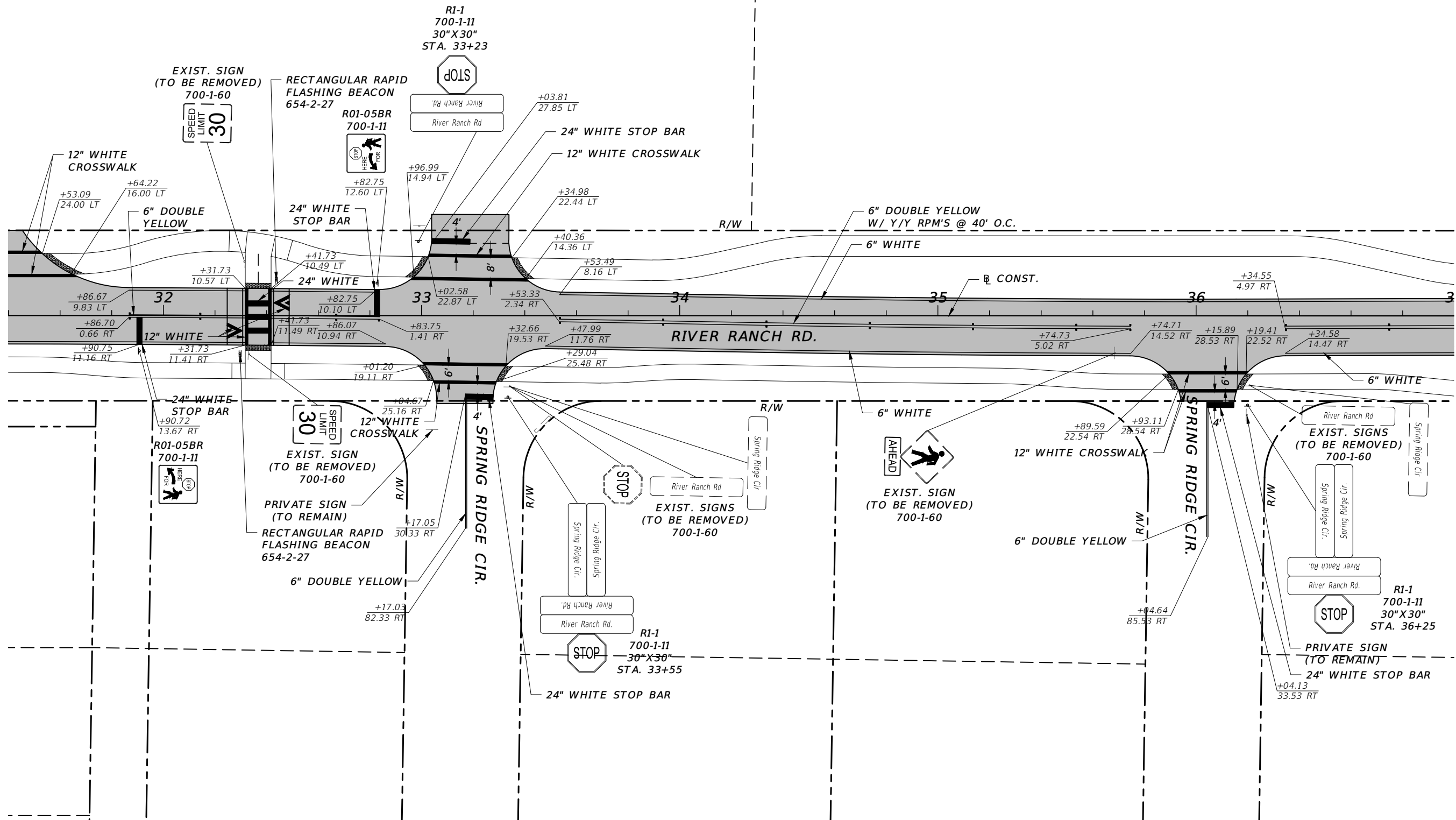
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO. 103

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

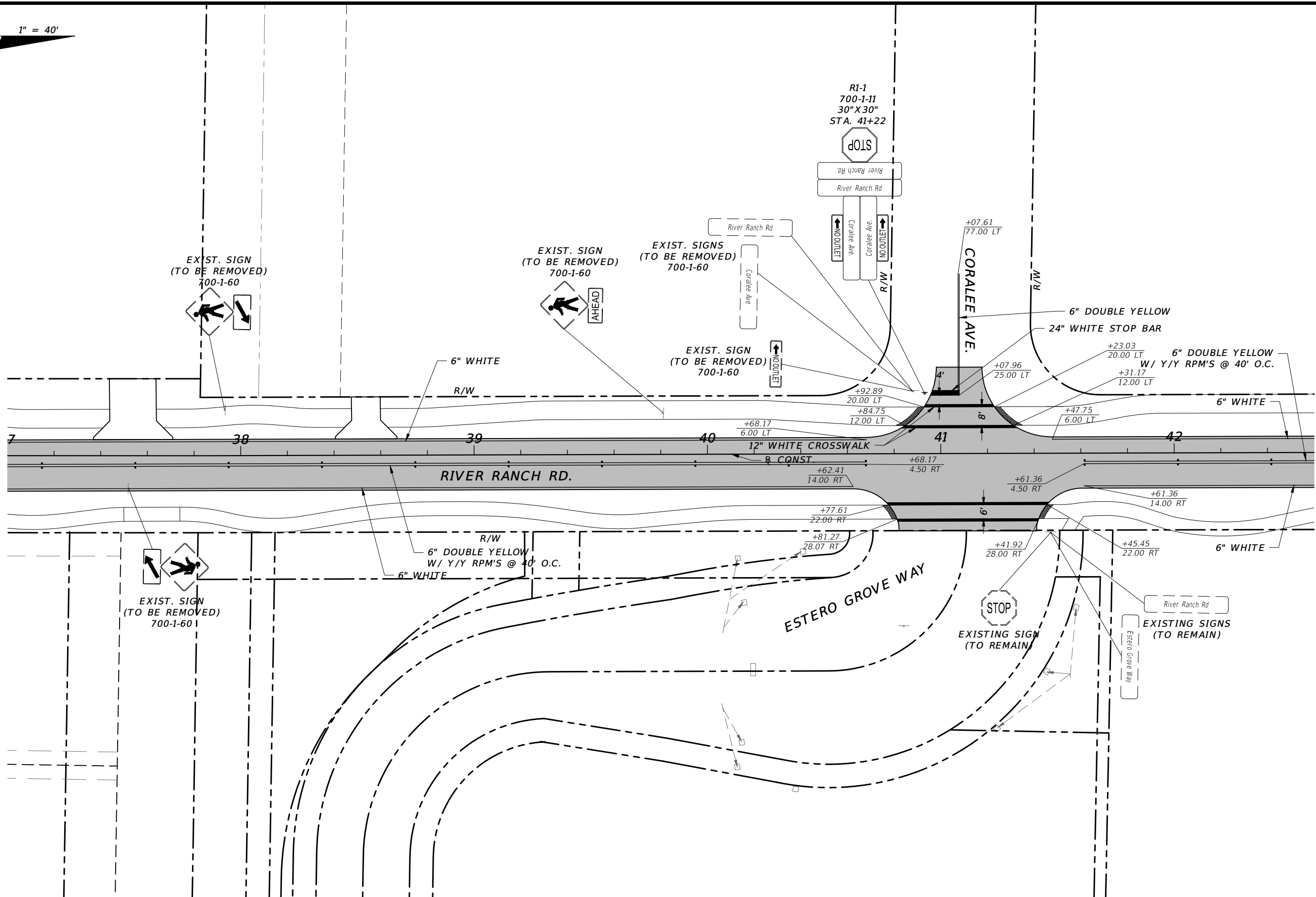
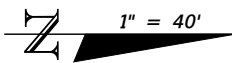
CW3 ENGINEERING, INC.
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 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
 WEBSITE: WWW.CW-3.COM
 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
MARKING PLAN**

SHEET NO.
104

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REVISIONS	
DATE	DESCRIPTION

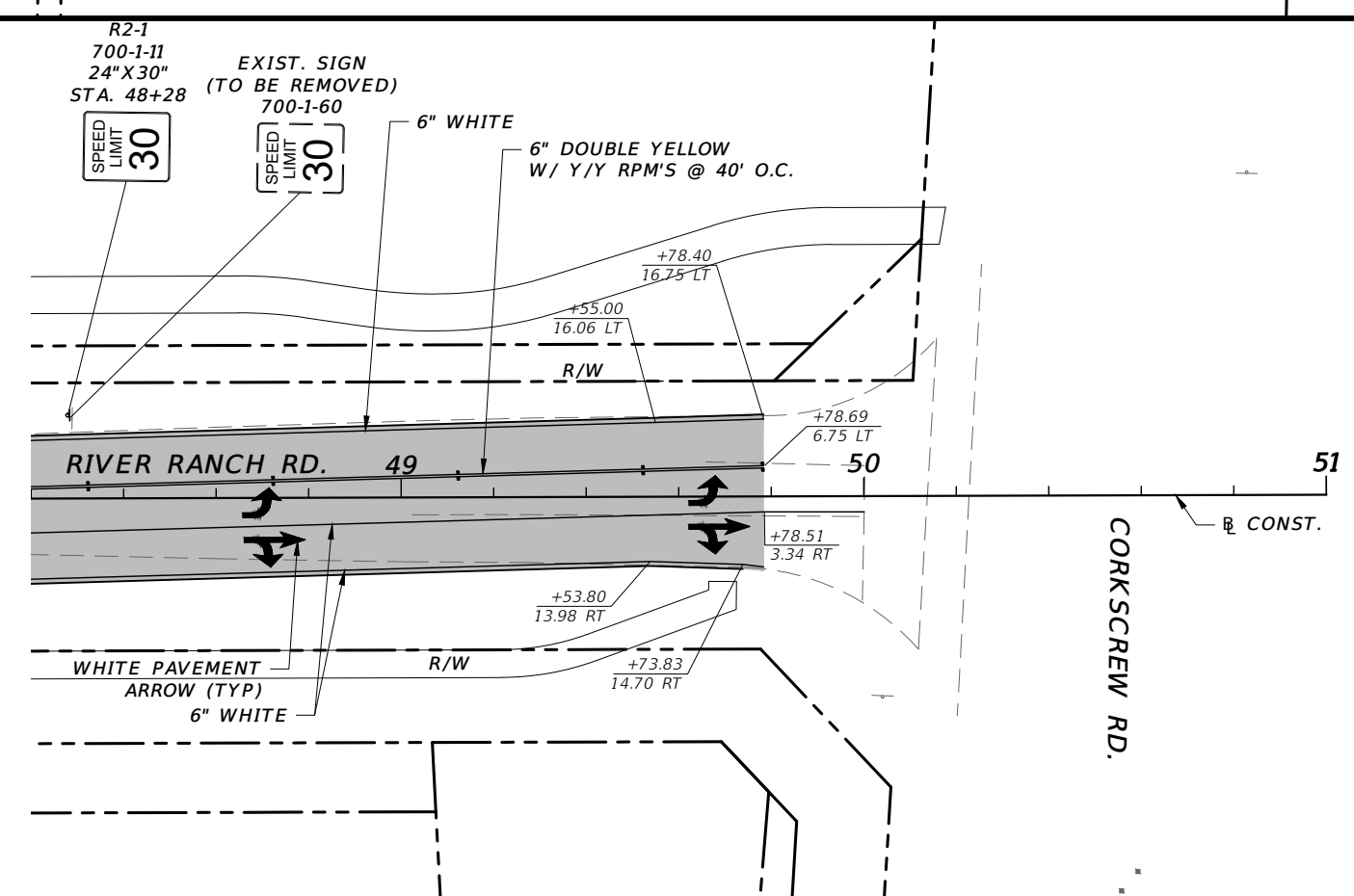
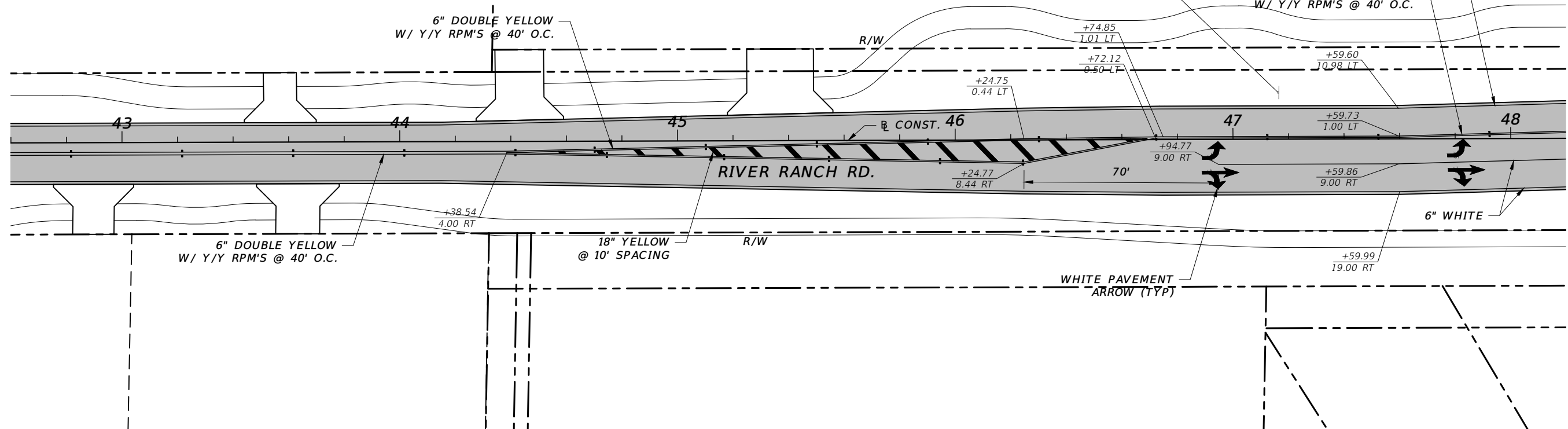
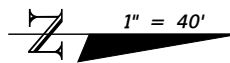
CW3 ENGINEERING, INC.
 5783 BAYSHORE RD., SUITE 113
 NORTH FT. MYERS, FL 33917
 PH. 239-205-6473
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 CLAIR WRIGHT, III P.E. No. 64089

RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO.
105

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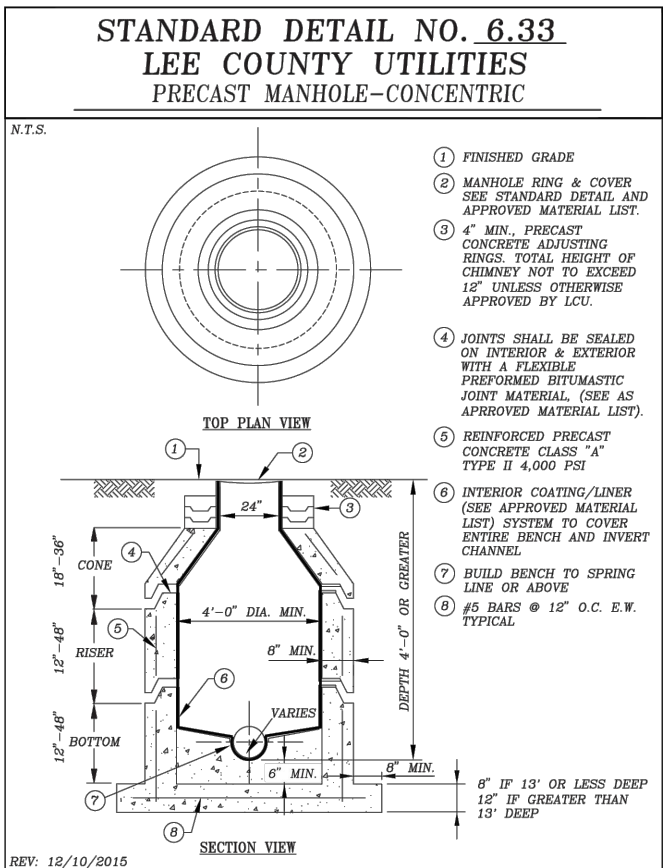
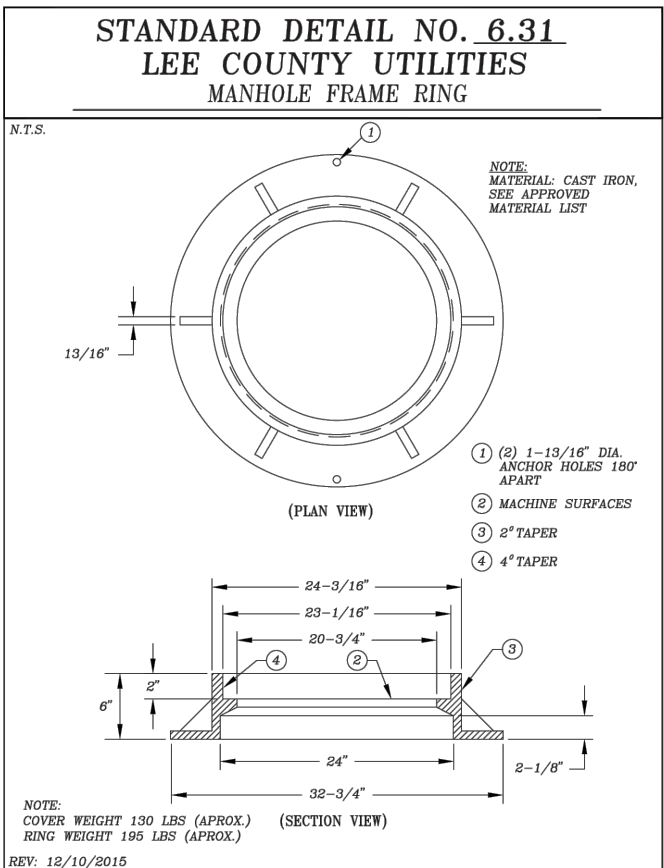
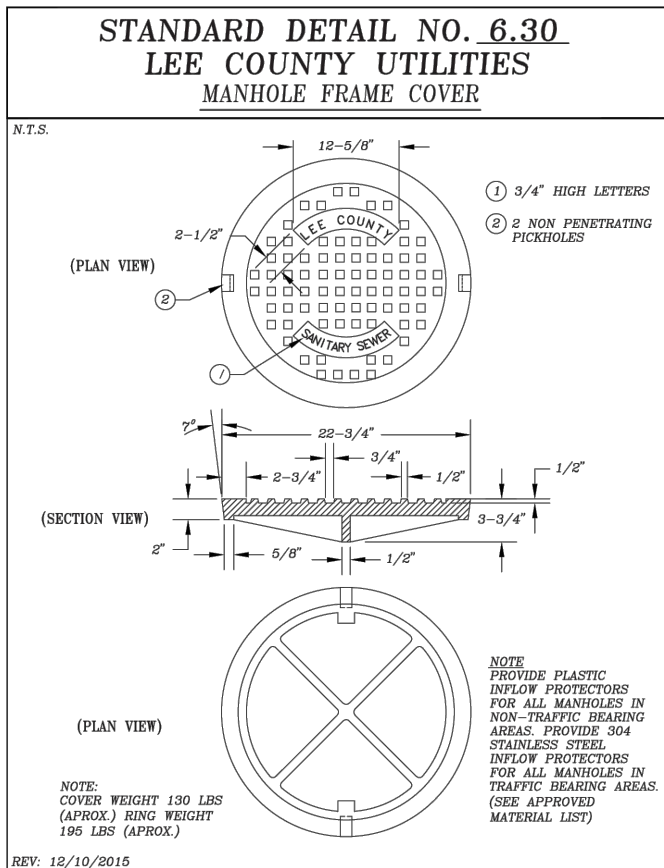
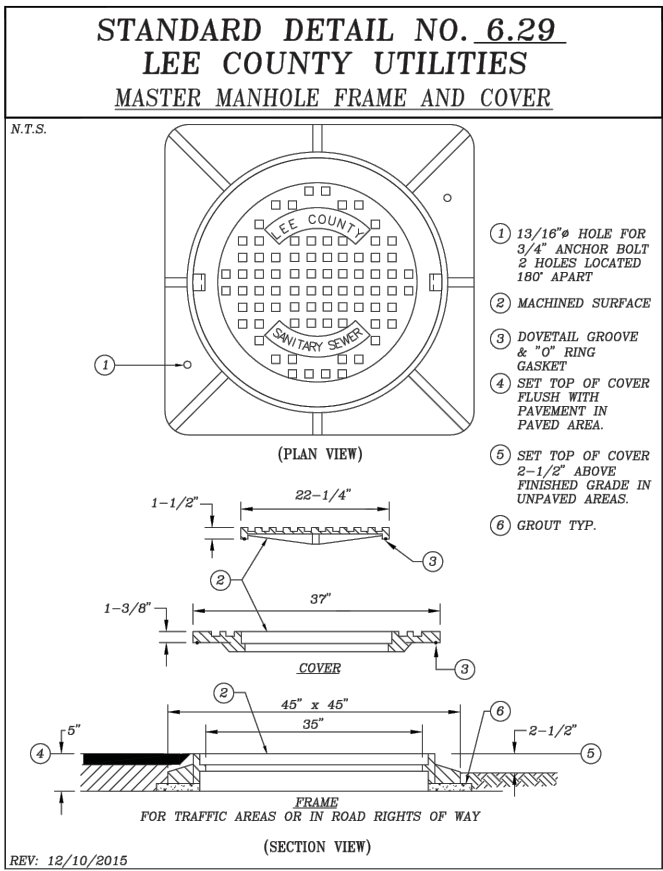
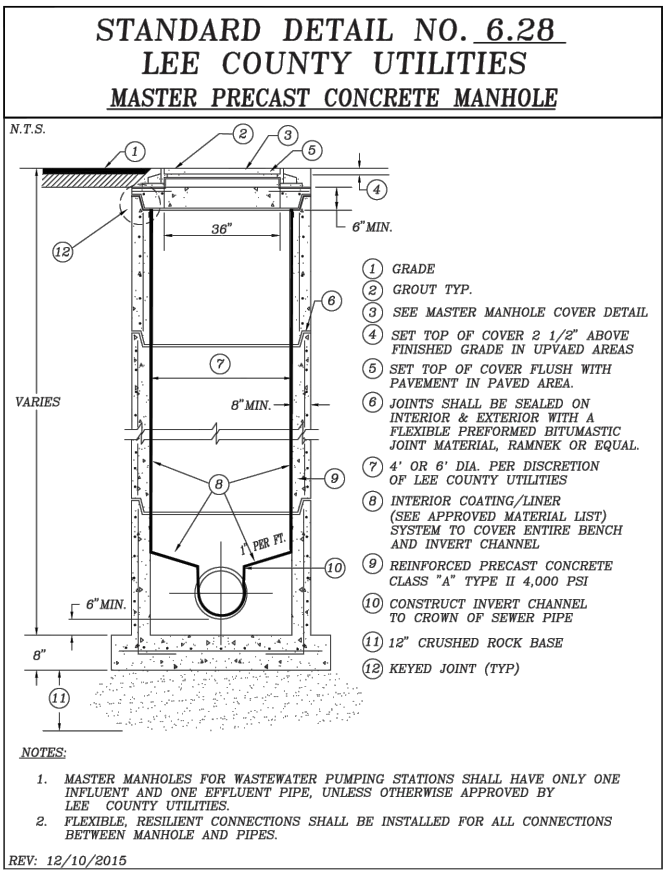
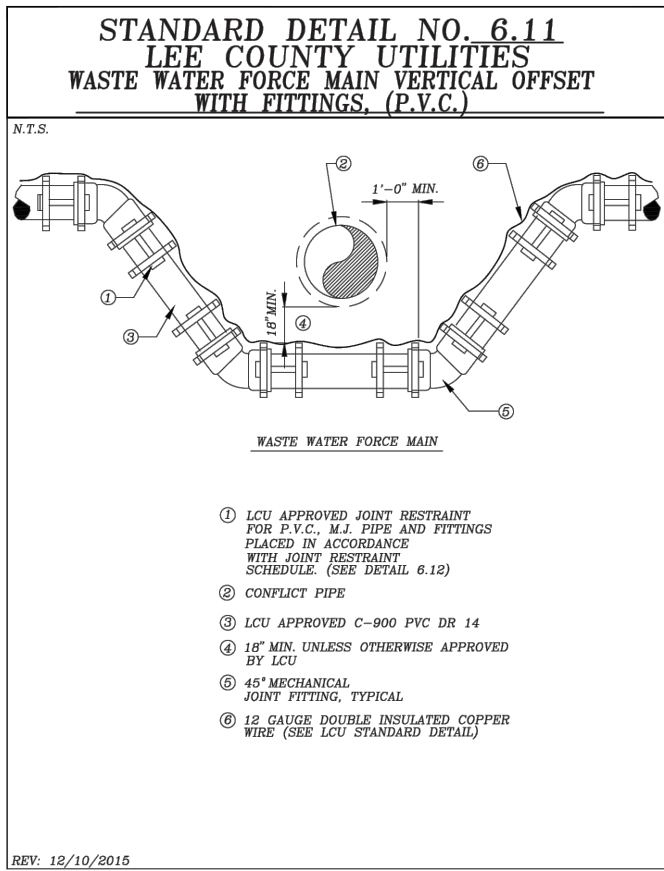
**RIVER RANCH RD.
 ROADWAY IMPROVEMENTS**

CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO.
 106

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**RIVER RANCH RD.
ROADWAY IMPROVEMENTS**

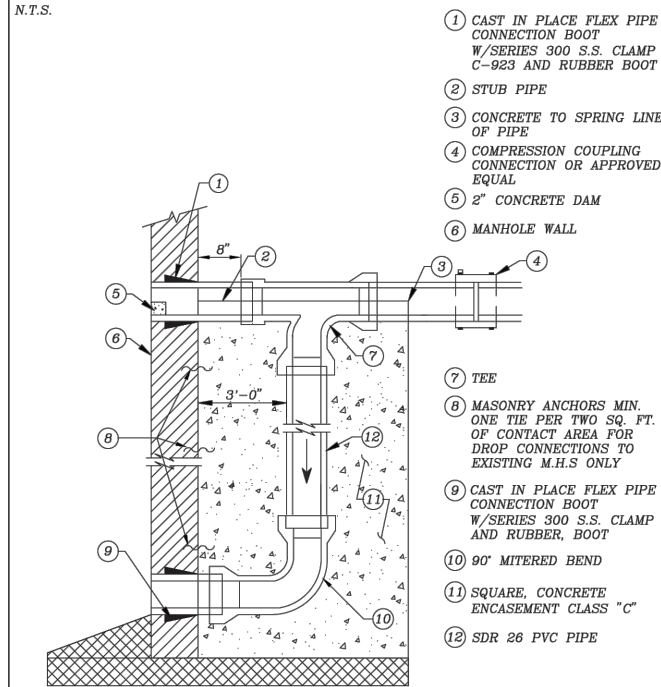
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**STANDARD UTILITY
DETAILS**

SHEET NO.
107

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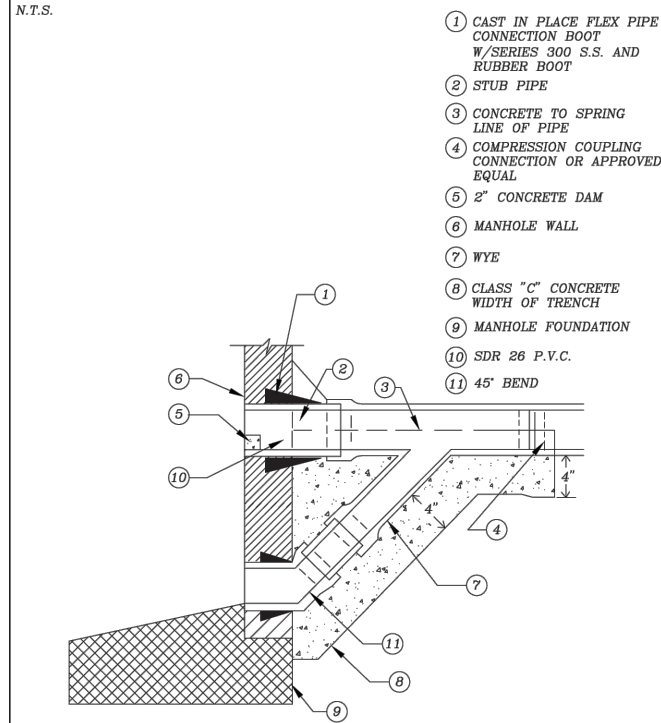
STANDARD DETAIL NO. 6.35
LEE COUNTY UTILITIES
MANHOLE DROP 4' OR GREATER



- 1 CAST IN PLACE FLEX PIPE CONNECTION BOOT W/SERIES 300 S.S. CLAMP C-923 AND RUBBER BOOT
- 2 STUB PIPE
- 3 CONCRETE TO SPRING LINE OF PIPE
- 4 COMPRESSION COUPLING CONNECTION OR APPROVED EQUAL
- 5 2" CONCRETE DAM
- 6 MANHOLE WALL
- 7 TEE
- 8 MASONRY ANCHORS MIN. ONE TIE PER TWO SQ. FT. OF CONTACT AREA FOR DROP CONNECTIONS TO EXISTING M.H.S ONLY
- 9 CAST IN PLACE FLEX PIPE CONNECTION BOOT W/SERIES 300 S.S. CLAMP AND RUBBER BOOT
- 10 90° MITERED BEND
- 11 SQUARE, CONCRETE ENCASEMENT CLASS "C"
- 12 SDR 26 PVC PIPE

REV: 12/10/2015

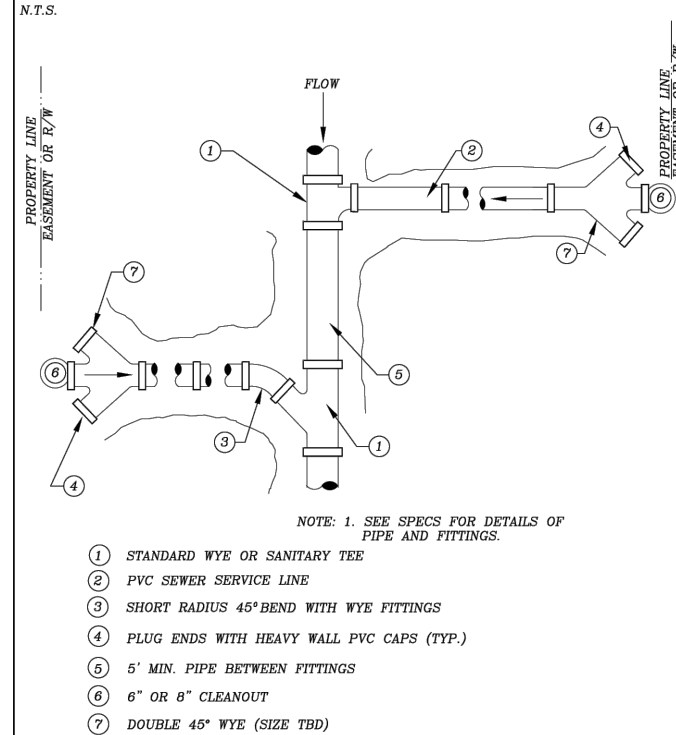
STANDARD DETAIL NO. 6.36
LEE COUNTY UTILITIES
OPTIONAL MANHOLE DROP 2' TO 4'



- 1 CAST IN PLACE FLEX PIPE CONNECTION BOOT W/SERIES 300 S.S. AND RUBBER BOOT
- 2 STUB PIPE
- 3 CONCRETE TO SPRING LINE OF PIPE
- 4 COMPRESSION COUPLING CONNECTION OR APPROVED EQUAL
- 5 2" CONCRETE DAM
- 6 MANHOLE WALL
- 7 WYE
- 8 CLASS "C" CONCRETE WIDTH OF TRENCH
- 9 MANHOLE FOUNDATION
- 10 SDR 26 P.V.C.
- 11 45° BEND

REV: 12/10/2015

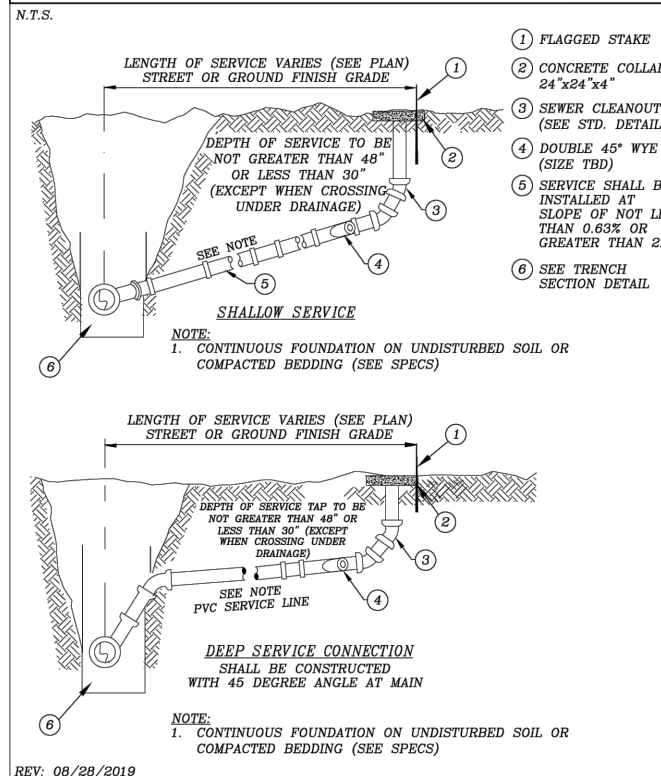
STANDARD DETAIL NO. 6.38
LEE COUNTY UTILITIES
STANDARD SEWER SERVICE LATERALS



- 1 STANDARD WYE OR SANITARY TEE
- 2 PVC SEWER SERVICE LINE
- 3 SHORT RADIUS 45° BEND WITH WYE FITTINGS
- 4 PLUG ENDS WITH HEAVY WALL PVC CAPS (TYP.)
- 5 5' MIN. PIPE BETWEEN FITTINGS
- 6 6" OR 8" CLEANOUT
- 7 DOUBLE 45° WYE (SIZE TBD)

REV: 08/28/2019

STANDARD DETAIL NO. 6.39
LEE COUNTY UTILITIES
STANDARD SEWER SERVICE LATERAL

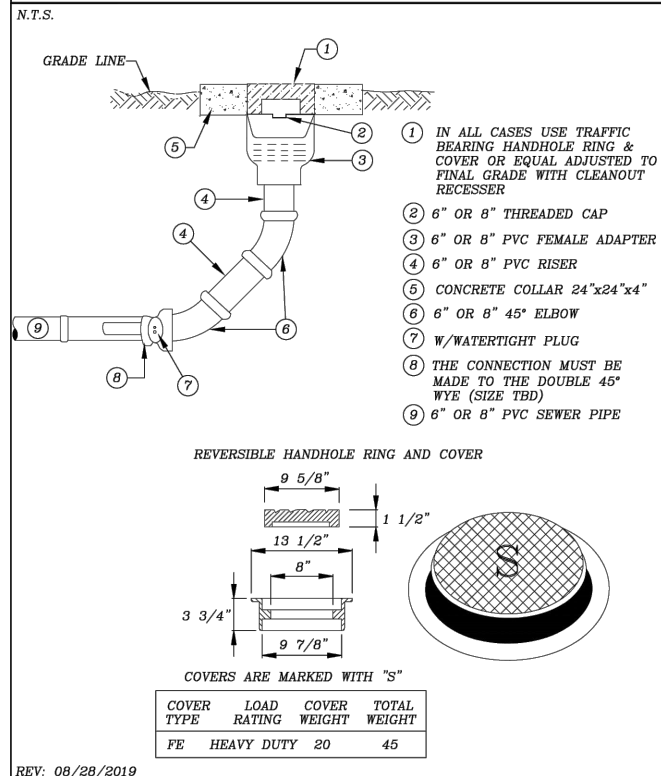


- 1 FLAGGED STAKE
- 2 CONCRETE COLLAR 24"x24"x4"
- 3 SEWER CLEANOUT (SEE STD. DETAIL)
- 4 DOUBLE 45° WYE (SIZE TBD)
- 5 SERVICE SHALL BE INSTALLED AT SLOPE OF NOT LESS THAN 0.63% OR GREATER THAN 2%
- 6 SEE TRENCH SECTION DETAIL

NOTE:
 1. CONTINUOUS FOUNDATION ON UNDISTURBED SOIL OR COMPACTED BEDDING (SEE SPECS)

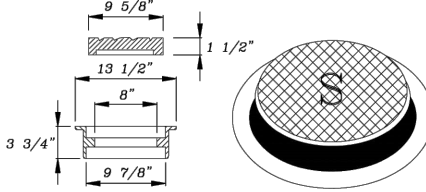
REV: 08/28/2019

STANDARD DETAIL NO. 6.40
LEE COUNTY UTILITIES
6" OR 8" SEWER CLEAN-OUT DETAIL



- 1 IN ALL CASES USE TRAFFIC BEARING HANDHOLE RING & COVER OR EQUAL ADJUSTED TO FINAL GRADE WITH CLEANOUT RECESSER
- 2 6" OR 8" THREADED CAP
- 3 6" OR 8" PVC FEMALE ADAPTER
- 4 6" OR 8" PVC RISER
- 5 CONCRETE COLLAR 24"x24"x4"
- 6 6" OR 8" 45° ELBOW
- 7 W/WATERTIGHT PLUG
- 8 THE CONNECTION MUST BE MADE TO THE DOUBLE 45° WYE (SIZE TBD)
- 9 6" OR 8" PVC SEWER PIPE

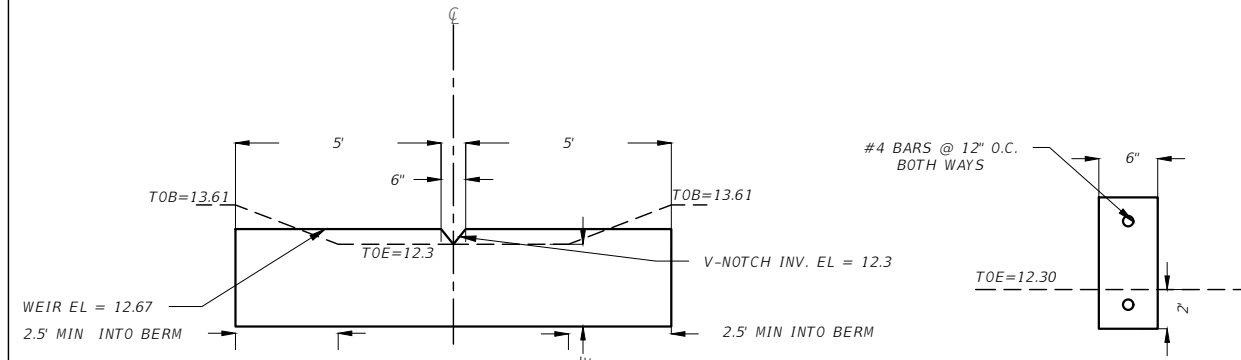
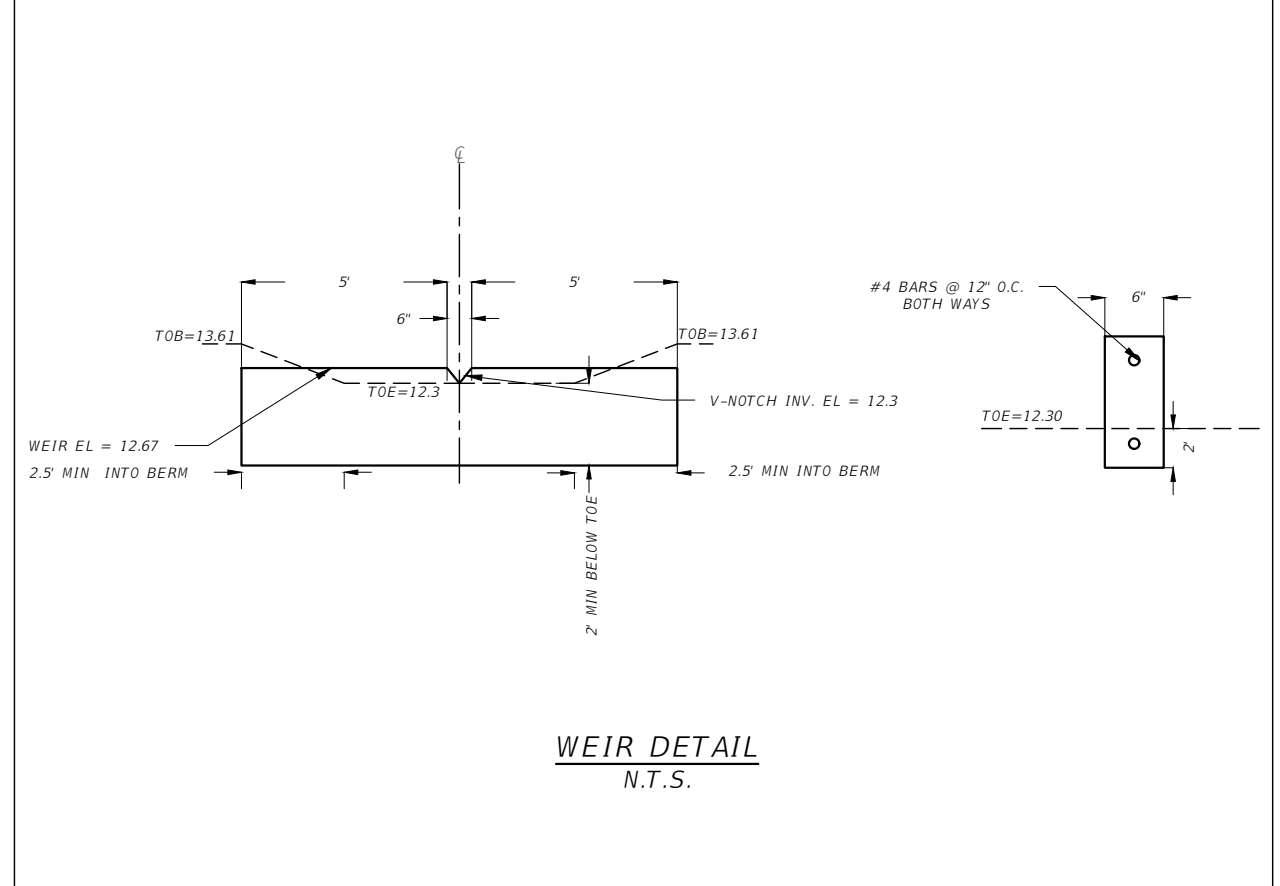
REVERSIBLE HANDHOLE RING AND COVER



COVERS ARE MARKED WITH "S"

COVER TYPE	LOAD RATING	COVER WEIGHT	TOTAL WEIGHT
FE HEAVY DUTY	20	45	

REV: 08/28/2019



WEIR DETAIL
 N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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RIVER RANCH RD. ROADWAY IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	19-0046

**STANDARD UTILITY
 DETAILS**

SHEET NO. 108

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