CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
INTELLIGENT TRANSPORTATION SYSTEMS PLANS
LIGHTING PLANS
LANDSCAPE PLANS
ARCHITECTURAL PLANS
STRUCTURES PLANS
TOLL FACILITIES PLANS

INDEX OF ROADWAY PLANS

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13 - 14	DRAINAGE MAP
15	EXISTING CONDITIONS PLAN
16	DEMOLITION PLAN
17	CLEARING & GRUBBING PLAN
18 - 30	TYPICAL SECTION
31 - 32	TYPICAL SECTION DETAILS
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129	ESR MEDIAN GRADING PLAN
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200	ROADWAY SOIL SURVEY
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203 - 315	CROSS SECTIONS
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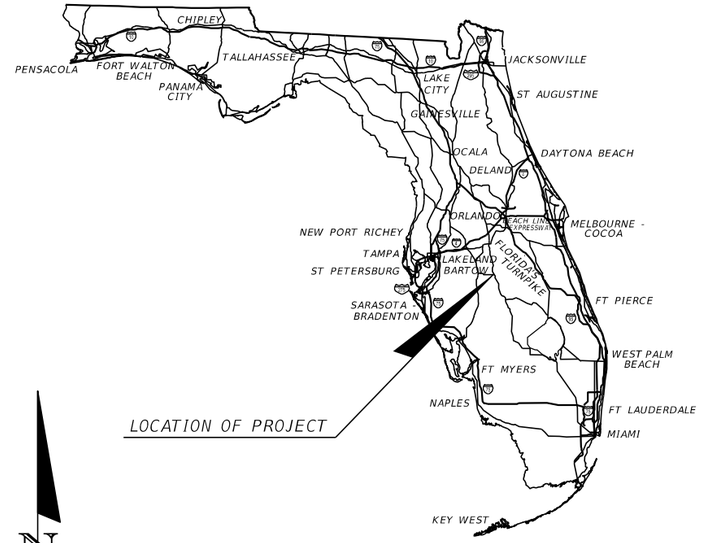
344 - 345	STORMWATER POLLUTION PREVENTION PLAN
346	TEMPORARY TRAFFIC CONTROL PLAN
347 - 362	UTILITY ADJUSTMENTS
CTL-1 - CTL2	PROJECT NETWORK CONTROL SHEET

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

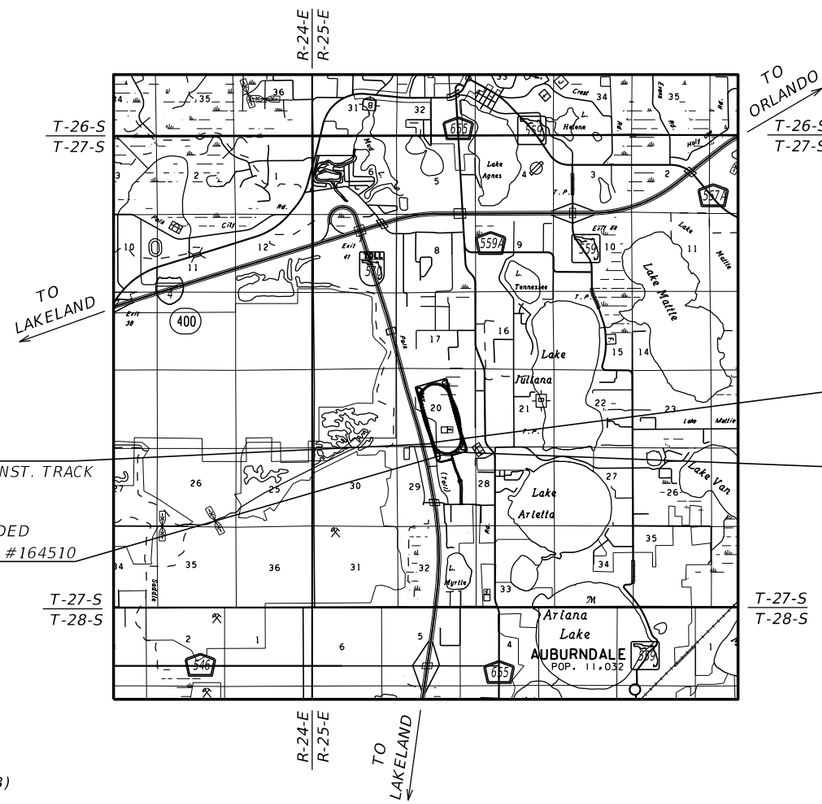
CONTRACT PLANS

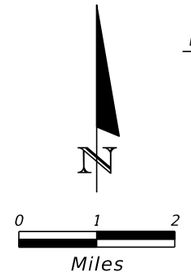
FINANCIAL PROJECT ID 437300-1-52-01
FINANCIAL PROJECT ID 437300-2-52-01
POLK COUNTY (16470)
SUNTRAX TEST FACILITY

"THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID(S): 437300-1-56-01



"THIS PROJECT IS DESIGNED TO NAVD, 1988 DATUM."





GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2016-17 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm

APPLICABLE DSRs: DSR400-01, DSR410-01

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2017 Standard Specifications for Road and Bridge Construction at the following website:
http://www.dot.state.fl.us/programmanagement/Implemented/SpecBooks

REVISIONS:

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS ENGINEER OF RECORD:

EDWARD COLON, P.E.
P.E. NO.: 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION 7184
CONTRACT NO. C9L54
VENDOR INDENTIFICATION NO. 65-0540100

FTE PROJECT MANAGER:

PATRICK M. MUENCH, P.E.

GEC PROJECT MANAGER:

JOSH PEDERSEN, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E8Q39	17	1

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

EDWARD COLON
LICENSE
No 56855
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by Edward Colon
Date: 2016.12.06 18:21:17 -05'00'

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

BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FL 32714
CERTIFICATE OF AUTHORIZATION: 7184
EDWARD COLON, P.E. NO. 56855

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-3	SIGNATURE SHEET
4-12	SUMMARY OF PAY ITEMS
17	CLEARING & GRUBBING PLAN
18 - 30	TYPICAL SECTION
31 - 32	TYPICAL SECTION DETAILS
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129	ESR MEDIAN GRADING PLAN
130 - 132	INTERSECTION DETAILS
203 - 315	CROSS SECTIONS
346	TEMPORARY TRAFFIC CONTROL PLAN

J. ALEXANDER GEORGE
LICENSE
No 59006
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

James A George
2016.12.06 18:37:30 -05'00'

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BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FL 32714
CERTIFICATE OF AUTHORIZATION: 7184
J. ALEXANDER GEORGE, P.E. NO. 59006

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
13 - 14	DRAINAGE MAP
15	EXISTING CONDITIONS PLAN
16	DEMOLITION PLAN
33 - 37	OPTIONAL MATERIALS TABULATION
38 - 61	SUMMARY OF DRAINAGE STRUCTURES
133 - 140	DRAINAGE DETAILS
141 - 197	DRAINAGE STRUCTURES
198 - 199	POND DETAILS
319 - 346	POND CROSS SECTIONS
344 - 345	STORMWATER POLLUTION PREVENTION PLAN

JEREMY A. SEWELL
LICENSE
No 62951
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Jeremy A Sewell
2016.12.06 17:09:52 -05'00'

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

TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
CERTIFICATE OF AUTHORIZATION: 6486
JEREMY A. SEWELL, P.E. NO. 62951

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
200	ROADWAY SOIL SURVEY
201-202	MUCK DELINIATION PLAN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SIGNATURE SHEET (1)

SHEET NO. 2

ROBERT C. MEADOR
LICENSE
No 72936
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Robert C Meador

Digitally signed by Robert C Meador
Date: 2016.12.06 17:45:29 -05'00'

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VIBE ENGINEERING
700 CENTRAL AVENUE, SUITE 302
ST. PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION: 30322
ROBERT C. MEADOR, P.E. NO. 72936

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
3	SIGNATURE SHEET
347 - 362	UTILITY ADJUSTMENTS

WILLIAM L. WHITLEY
LICENSE
No. 4325
STATE OF FLORIDA
REGISTERED LAND SURVEYOR

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

William L Whitley
2016.12.06 17:40:55 -05'00'

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

ECHEZABAL & ASSOCIATES, INC.
25400 U.S. HIGHWAY 19 N., SUITE 137
CLEARWATER, FLORIDA 33763
CERTIFICATE OF AUTHORIZATION: 6429
WILLIAM L. WHITLEY. P.L.S. NO. 4325

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
3	SIGNATURE SHEET
CTL1-CTL2	PROJECT NETWORK CONTROL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SIGNATURE SHEET (2)

SHEET NO. 3

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01	DISTRICT : 08	COUNTY/SECTION : 16470000
PROJECT(S) : 43730015201, 43730025201, 43730015601	COUNTY : POLK	

0001 SUMMARY OF STRUCTURES

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	43730015201 BR# 164510	QUANTITY TOTAL
		0400- 4- 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY				631.000	631.000
		0407- 1- 52	PRECAST CONCRETE 3 SIDE BOX CULVERT, 50' SPAN OR GREATER, 10' HEIGHT OR GREATER	LF				52.000	52.000
		0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB				110442.000	110442.000
		0521- 8- 2	CONCRETE TRAFFIC RAILING BARRIER, WITH JUNCTION SLAB, 42" F SHAPE	LF				615.000	615.000
		0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF				16062.000	16062.000

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 4

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 43730015201	LS	1.000			1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43730015201	(LS)	1.000			1.000
		0102- 60-	WORK ZONE SIGN	ED	12600.000			12600.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	12600.000			12600.000
		0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	1800.000			1800.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	1800.000			1800.000
		0104- 10- 3	SEDIMENT BARRIER	LF	22421.000			22421.000
		0104- 12-	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	6356.000			6356.000
		0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	1.000			1.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	60.000			60.000
		0110- 1- 1	CLEARING & GRUBBING 43730015201	(LS)	1.000			1.000
		0120- 1-	REGULAR EXCAVATION	CY	368107.000			368107.000
		0120- 4-	SUBSOIL EXCAVATION	CY	11590.000			11590.000
		0120- 6-	EMBANKMENT	CY	941761.000			941761.000
		0160- 4-	TYPE B STABILIZATION	SY	190563.000			190563.000
		0285-704-	OPTIONAL BASE, BASE GROUP 04	SY	25928.000			25928.000
		0285-706-	OPTIONAL BASE, BASE GROUP 06	SY	45444.000			45444.000
		0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	102426.000			102426.000
		0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	13481.000			13481.000
		0337- 7- 25	ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22	TN	4155.000			4155.000
		0337- 7- 81	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC B, FC-12.5, PG 76-22	TN	4700.000			4700.000
		0339- 1-	MISCELLANEOUS ASPHALT PAVEMENT	TN	360.000			360.000
		0350- 30- 5	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 8" DEPTH	SY	812.000			812.000
		0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	16.000			16.000
		0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	11.000			11.000
		0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	7.000			7.000
		0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	3.000			3.000
		0425- 1-452	INLETS, CURB, TYPE J-5, >10'	EA	4.000			4.000
		0425- 1-461	INLETS, CURB, TYPE J-6, <10'	EA	1.000			1.000
		0425- 1-462	INLETS, CURB, TYPE J-6, >10'	EA	2.000			2.000
		0425- 1-501	INLETS, DT BOT, TYPE A, <10'	EA	6.000			6.000
		0425- 1-504	INLETS, DT BOT, TYPE A, J BOT, >10'	EA	4.000			4.000
		0425- 1-551	INLETS, DT BOT, TYPE E, <10'	EA	2.000			2.000
		0425- 1-554	INLETS, DT BOT, TYPE E, J BOT, >10'	EA	1.000			1.000
		0425- 1-559	INLETS, DT BOT, TYPE E, MODIFY	EA	1.000			1.000
		0425- 1-561	INLETS, DT BOT, TYPE F, <10'	EA	6.000			6.000
		0425- 1-562	INLETS, DT BOT, TYPE F, >10'	EA	2.000			2.000
		0425- 1-581	INLETS, DT BOT, TYPE H, <10'	EA	1.000			1.000
		0425- 1-583	INLETS, DT BOT, TYPE H, J BOTTOM <10'	EA	1.000			1.000
		0425- 1-584	INLETS, DT BOT, TYPE H, J BOTTOM >10'	EA	1.000			1.000
		0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	1.000			1.000

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 5

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0425- 1-701	INLETS, GUTTER, TYPE S, <10'	EA	8.000			8.000
		0425- 2- 41	MANHOLES, P-7, <10'	EA	1.000			1.000
		0425- 2- 61	MANHOLES, P-8, <10'	EA	11.000			11.000
		0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000			1.000
		0425- 2- 91	MANHOLES, J-8, <10'	EA	4.000			4.000
		0425- 2- 92	MANHOLES, J-8, >10'	EA	15.000			15.000
		0430-173-118	PIPE CULVERT OPTIONAL MATERIAL, ROUND, 18", GUTTER DRAIN	LF	678.000			678.000
		0430-175-112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	LF	24.000			24.000
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	2943.000			2943.000
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	4214.000			4214.000
		0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	717.000			717.000
		0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	2048.000			2048.000
		0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	1190.000			1190.000
		0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	962.000			962.000
		0430-175-160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	LF	1464.000			1464.000
		0430-175-166	PIPE CULVERT, OPT MATERIAL, ROUND, 66"S/CD	LF	2894.000			2894.000
		0430-175-218	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD	LF	85.000			85.000
		0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	21.000			21.000
		0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	3.000			3.000
		0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	1.000			1.000
		0430-982-143	MITERED END SECTION, OPTIONAL ROUND, 60" CD	EA	1.000			1.000
		0430-982-144	MITERED END SECTION, OPTIONAL ROUND, 66" CD	EA	1.000			1.000
		0430-982-625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	EA	1.000			1.000
		0436- 1- 1	TRENCH DRAIN, STANDARD	LF	1213.000			1213.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	8788.000			8788.000
		0520- 2- 4	CONCRETE CURB, TYPE D	LF	415.000			415.000
		0520- 2- 8	CONCRETE CURB, TYPE RA	LF	528.000			528.000
		0520- 6-	SHOULDER GUTTER- CONCRETE	LF	1834.000			1834.000
		0521- 1-	MEDIAN CONCRETE BARRIER WALL	LF	2084.000			2084.000
		0521- 72- 3	SHOULDER CONCRETE BARRIER WALL, RIGID-SHOULDER	LF	280.000			280.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	4316.000			4316.000
		0527- 2-	DETECTABLE WARNINGS	SF	68.000			68.000
		0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	248.000			248.000
		0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	11377.000			11377.000
		0536- 8-	GUARDRAIL- BRIDGE ANCHORAGE ASSEMBLY, FURNISH & INSTALL	EA	4.000			4.000
		0536- 8- 13	APPROACH TRANSITION CONNECTION TO RIGID BARRIER, FURNISH AND INSTALL, TL-3	EA	8.000			8.000
		0536- 85- 22	GUARDRAIL END ANCHORAGE ASSEMBLY/END TREATMENT- FLARED	EA	17.000			17.000
		0544- 75- 1	CRASH CUSHION	EA	4.000			4.000
		0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	4466.000			4466.000
		0550- 10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	LF	13676.000			13676.000

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 6

12/06/2016 09:37:28 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0002 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0570- 1- 1	PERFORMANCE TURF	SY	186720.000			186720.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	216510.000			216510.000
T		0590- 70-	IRRIGATION SYSTEM 43730015201	LS	1.000			1.000
		0999- 16-	PARTNERING, DO NOT BID 43730015201	LS	1.000			1.000
		0999- 20- 2	DISPUTES REVIEW BOARD, HEARING- DO NOT BID	EA	2.000			2.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43730015201	LS	1.000			1.000

12/06/2016 09:37:28 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0003 SUMMARY OF SIGNING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	34.000			34.000
		0705- 10- 1	OBJECT MARKER, TYPE 1	EA	3.000			3.000
		0705- 10- 4	OBJECT MARKER, TYPE 4	EA	24.000			24.000
A		0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	1149.000			1149.000
		0711- 11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM	0.047			0.047
		0711- 11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	1.074			1.074
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	399.000			399.000
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	80.000			80.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	49.000			49.000
		0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.250			0.250
		0711- 11-143	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 12" FOR ROUNDABOUT	GM	0.015			0.015
		0711- 11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	41.000			41.000
		0711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	340.000			340.000
		0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	12.000			12.000
		0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	12.000			12.000
		0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	9.264			9.264
		0711- 15-102	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"	GM	1.250			1.250
		0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	4.146			4.146
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	2.618			2.618
		0711- 16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.032			0.032
		0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	1.566			1.566
		0711- 16-202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.173			0.173

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 7

12/06/2016 09:37:28 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0004 SUMMARY OF LIGHTING

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	8460.000			8460.000
T		0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	1.000			1.000
		0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	54530.000			54530.000
		0715- 1- 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	1520.000			1520.000
		0715- 4-021	LIGHT POLE COMPLETE,F&I, SPECIAL FOUNDATION,WIND SPEED 130, POLE HEIGHT 40'	EA	33.000			33.000
		0715- 4-022	LIGHT POLE COMPLETE,F&I, SPECIAL FOUNDATION, WIND SPEED 130 ,POLE HEIGHT 45'	EA	22.000			22.000
		0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	3.000			3.000
		0715- 11-114	LUMINAIRE, F&I, ROADWAY, SHOE BOX	EA	77.000			77.000

12/06/2016 09:37:28 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0005 SUMMARY OF UTILITIES

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0570- 1- 1	PERFORMANCE TURF	SY			3600.000	3600.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43730015601	LS			1.000	1.000
T		1050- 11-224	UTILITY PIPE, F&I, PVC, WATER / SEWER, 8 -19.9"	LF			1320.000	1320.000
T		1050- 16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF			1900.000	1900.000
T		1055- 11-414	UTILITY FITTINGS, F&I, DI/CI, ELBOW, 8 - 19.9"	EA			2.000	2.000
T		1055- 11-454	UTILITY FITTINGS, F&I, DI/CI, CAP/PLUG, 8 - 19.9"	EA			4.000	4.000
T		1060- 11-211	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3 , 0 - 6'	EA			2.000	2.000
T		1080- 11-404	UTILITY FIXTURES, F&I, 8.0-19.9", VALVE ASSEMBLY	EA			2.000	2.000
T		1080- 11-409	UTILITY FIXTURES, F&I, 8-19.9", MECHANICAL JOINT RESTRAINT	EA			16.000	16.000

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EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 8

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0006 SUMMARY OF ARCHITECTURAL

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0104- 18-	INLET PROTECTION SYSTEM	EA		7.000		7.000
		0120- 1-	REGULAR EXCAVATION	CY		1994.000		1994.000
		0120- 6-	EMBANKMENT	CY		16655.800		16655.800
		0160- 4-	TYPE B STABILIZATION	SY		13770.000		13770.000
		0285-706-	OPTIONAL BASE, BASE GROUP 06	SY		12323.000		12323.000
		0334- 1- 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN		2029.600		2029.600
		0425- 1-211	INLETS, CURB, TYPE 10, <10'	EA		1.000		1.000
		0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA		2.000		2.000
		0425- 1-523	INLETS, DT BOT, TYPE C,JBOT, <10'	EA		1.000		1.000
		0425- 1-541	INLETS, DT BOT, TYPE D, <10'	EA		1.000		1.000
		0425- 1-563	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA		2.000		2.000
		0425- 2- 61	MANHOLES, P-8, <10'	EA		7.000		7.000
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF		490.000		490.000
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF		395.000		395.000
		0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF		584.000		584.000
T		0519- 78-	BOLLARDS	EA		42.000		42.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF		2588.000		2588.000
		0520- 2- 4	CONCRETE CURB, TYPE D	LF		1429.000		1429.000
		0520- 3-	VALLEY GUTTER- CONCRETE	LF		210.000		210.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY		795.000		795.000
		0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY		148.000		148.000
		0522- 4-	BUS SHELTER PAD- CONCRETE	SY		15.000		15.000
		0526- 1- 2	PAVERS, ARCHITECTURAL, SIDEWALK	SY		293.000		293.000
		0527- 2-	DETECTABLE WARNINGS	SF		64.000		64.000
		0530- 3- 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN		9.000		9.000
		0542- 70-	BUMPER GUARDS, CONCRETE	EA		30.000		30.000
		0550- 10-222	FENCING, TYPE B, 5.1-6.0, W/ VINYL COATING	LF		1950.000		1950.000
		0550- 60-215	FENCE GATE, TYPE B, SINGLE, 20.1-24.0' OPENING	EA		2.000		2.000
		0550- 60-221	FENCE GATE, TYPE B, DOUBLE, 0-6.0' OPENING	EA		1.000		1.000
		0550- 60-222	FENCE GATE, TYPE B, DOUBLE, 6.1-12.0' OPENING	EA		1.000		1.000
		0550- 60-233	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 12.1-18' OPENING	EA		1.000		1.000
		0550- 60-235	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 20.1-24' OPENING	EA		1.000		1.000
		0550- 60-236	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 24.1-30' OPENING	EA		1.000		1.000
		0570- 1- 1	PERFORMANCE TURF	SY		11260.000		11260.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY		11800.000		11800.000
T		0590- 70-	IRRIGATION SYSTEM 43730025201	LS		1.000		1.000
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS		23.000		23.000
		0700- 3-101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA		9.000		9.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM		0.210		0.210
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF		61.000		61.000

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EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 9

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0006 SUMMARY OF ARCHITECTURAL

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF		326.000		326.000
		0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF		70.000		70.000
		0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA		12.000		12.000
		0710- 11-421	PAINTED PAVEMENT MARKINGS, STANDARD, BLUE, SOLID FOR PARKING LOT- ACCESSIBLE MARKINGS, 6"	LF		74.000		74.000
		0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF		61.000		61.000
		0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF		326.000		326.000
		0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF		70.000		70.000
		0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA		12.000		12.000
		0711- 11-421	THERMOPLASTIC, STANDARD, BLUE, SOLID,6"	LF		74.000		74.000
		0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM		0.210		0.210
T		0735- 74- 1	TOLL PLAZA, LOCATION 1 43730025201	LS		1.000		1.000
T		0735- 74- 2	TOLL PLAZA, LOCATION 2 43730025201	LS		1.000		1.000
T		0735- 74- 3	TOLL PLAZA, LOCATION 3 43730025201	LS		1.000		1.000
T		0735- 74- 4	TOLL PLAZA, LOCATION 4 43730025201	LS		1.000		1.000
T		0750- 1- 15	ARCHITECTURAL, BUILDING, NEW, OFFICE 43730025201	(LS)		1.000		1.000
T		0750- 1- 17	ARCHITECTURAL, BUILDING, NEW, STORAGE/MECHANICAL 43730025201	(LS)		1.000		1.000
T		0751- 35- 11	BUS SHELTER, F&I, UP TO 50 SF	EA		1.000		1.000
T		0751- 36- 11	BICYCLE RACK, FURNISH & INSTALL, 1-2 BICYCLES	EA		1.000		1.000
T		0751- 37-	TRASH RECEPTACLE	EA		6.000		6.000
T		0751- 38- 11	BENCH, F&I, ALUMINUM	EA		4.000		4.000
T		1050- 11-514	UTILITY PIPE, F&I, STEEL, CASING / CONDUIT, 8.0-19.9"	LF		212.000		212.000
T		1050- 31-201	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, 1.5"	LF		139.000		139.000
T		1050- 31-202	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 2"	LF		450.000		450.000
T		1050- 31-203	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 3"	LF		12.000		12.000
T		1050- 31-204	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 4"	LF		1400.000		1400.000
T		1050- 31-206	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 6"	LF		120.000		120.000
T		1050- 31-208	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 8"	LF		3466.000		3466.000
T		1050- 31-210	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 10"	LF		76.000		76.000
T		1050- 31-212	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER /SEWER, 12"	LF		2772.000		2772.000
T		1050- 42-208	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 8"	LF		86.000		86.000

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REVISIONS			
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EDWARD COLON, P.E.
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 10

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0006 SUMMARY OF ARCHITECTURAL

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
T		1050- 42-212	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 12"	LF		239.000		239.000
T		1055- 51-108	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 8"	EA		14.000		14.000
T		1055- 51-112	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL ELBOW, 12"	EA		12.000		12.000
T		1055- 51-208	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 8"	EA		4.000		4.000
T		1055- 51-210	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 10"	EA		1.000		1.000
T		1055- 51-212	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 12"	EA		8.000		8.000
T		1055- 51-508	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 8"	EA		2.000		2.000
T		1055- 51-512	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 12"	EA		3.000		3.000
T		1060- 11-211	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3 , 0 - 6'	EA		3.000		3.000
T		1080- 22-110	UTILITY FIXTURE- BACKFLOW ASSEMBLY, FURNISH & INSTALL, 10"	EA		1.000		1.000
T		1080- 23-112	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 12"	EA		2.000		2.000
T		1080- 23-116	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 16"	EA		1.000		1.000
T		1080- 23-118	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 18"	EA		1.000		1.000
T		1080- 24-108	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 8"	EA		5.000		5.000
T		1080- 24-110	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 10"	EA		1.000		1.000
T		1080- 24-112	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"	EA		7.000		7.000
T		1501- 1-	LIFT STATION, SANITARY SEWER	EA		1.000		1.000
T		1644-116- 09	FIRE HYDRANT, STANDARD, F&I, 3 WAY, 2 HOSE, 1 PUMPER, 8"	EA		7.000		7.000

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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 11

FLORIDA DEPARTMENT OF TRANSPORTATION
PROPOSAL SUMMARY OF PAY ITEMS
FOR PROPOSAL: E8Q39

LEAD PROJECT : 437300-1-52-01 | DISTRICT : 08 | COUNTY/SECTION : 16470000

PROJECT(S) : 43730015201, 43730025201, 43730015601 | COUNTY : POLK

0007 SUMMARY OF INTELLIGENT TRANSPORTATION SYSTEM

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43730015201	43730025201	43730015601	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	29408.000			29408.000
		0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	135.000			135.000
		0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	1930.000			1930.000
		0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	4745.000			4745.000
		0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	1231.000			1231.000
		0633- 1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	31453.000			31453.000
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	1560.000			1560.000
		0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	16.000			16.000
		0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	76.000			76.000
		0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	69.000			69.000
		0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	58.000			58.000
		0633- 3- 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	58.000			58.000
		0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1.000			1.000
T		0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	850.000			850.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	39.000			39.000
		0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	29.000			29.000
		0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	16.000			16.000
		0635- 3- 12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	8.000			8.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	14757.000			14757.000
		0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	15.000			15.000
T		0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	6.000			6.000
		0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	6.000			6.000
		0641- 3-169	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 69'	EA	2.000			2.000
		0641- 3-186	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 86'	EA	2.000			2.000
		0641- 3-269	CONCRETE CCTV POLE, FURNISH & INSTALL WITHOUT LOWERING DEVICE , 69'	EA	2.000			2.000
		0676- 2-143	ITS CABINET, FURNISH & INSTALL, BASE MOUNT, 334, 24" W X 66" H X 30" D	EA	6.000			6.000
		0677- 1- 11	EQUIPMENT SHELTER, FURNISH & INSTALL, UP TO 120 SF	EA	1.000			1.000
		0682- 1-300	ITS CCTV CAMERA, INSTALL	EA	16.000			16.000
		0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	9.000			9.000
		0685- 1- 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	6.000			6.000
		0700- 2- 13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	3.000			3.000
		0700- 12- 11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	4.000			4.000
		0700- 12- 12	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS	AS	3.000			3.000
		0700- 12- 31	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON	AS	4.000			4.000
		0715- 7- 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	2.000			2.000

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

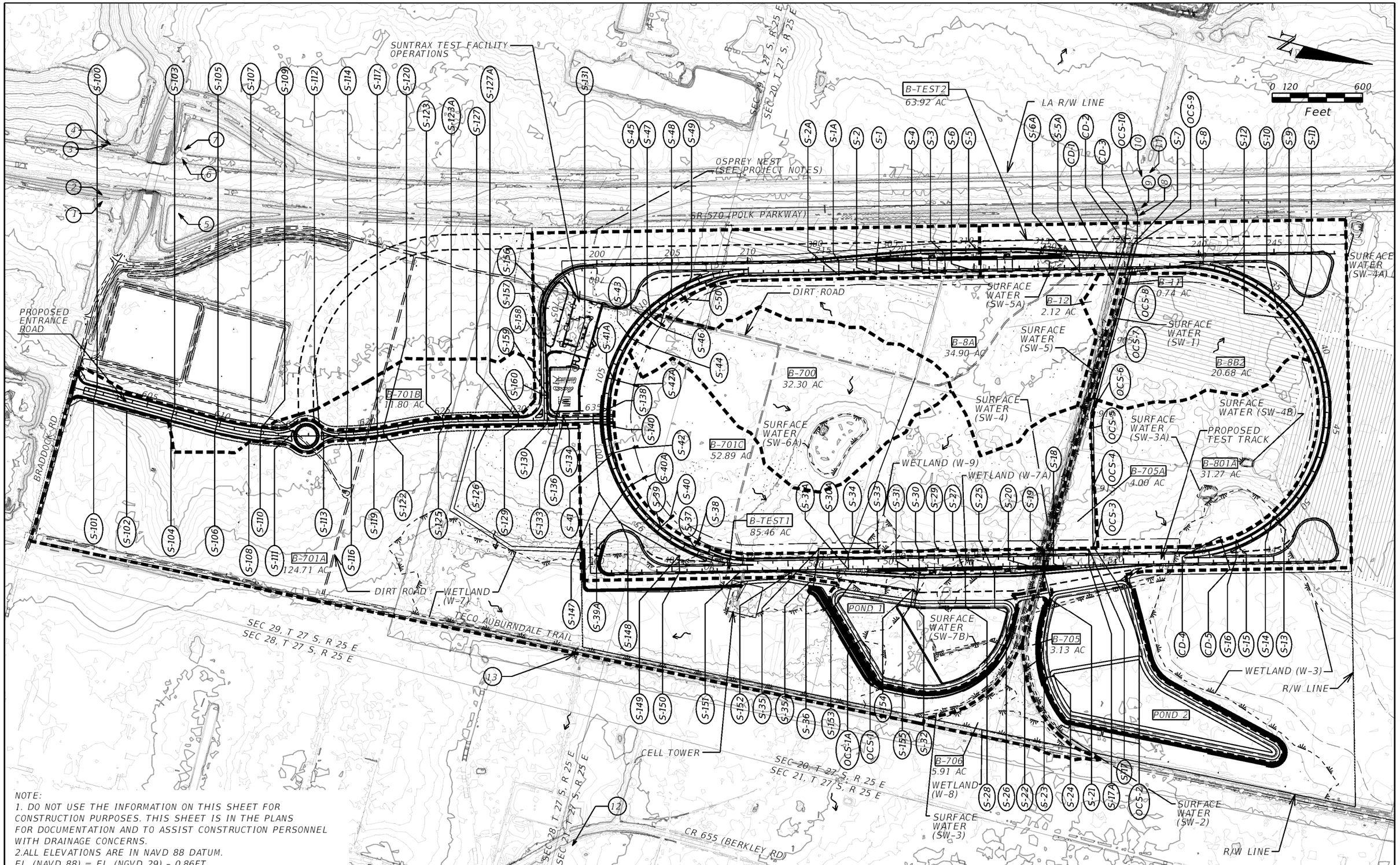
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 12



NOTE:
1. DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.
2.ALL ELEVATIONS ARE IN NAVD 88 DATUM.
EL. (NAVD 88) = EL. (NGVD 29) - 0.86FT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE MAP (1)

SHEET NO. 13

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

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STRUCTURE NOS.	℄ TRACK STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		2% PROB.	50 YR.FREQ.	1% PROB.	100 YR.FREQ.								
		DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB. %	FREQ. YR.	DISCHARGE	STAGE	PROB. %	FREQ. YR.
CD-1/CD-2/CD-3		11.75	163.39	13.17	163.90					14.79	166.14	0.2	500
CD-4/ CD-5	56+00	16.38	158.94	19.01	159.05					40.03	160.25	0.2	500

BASIN	DRAINAGE AREA (AC)
B-8A	34.90
B-8B2	20.68
B-11	0.74
B-12	2.12
B-700	32.30
B-701A	124.71
B-701B	11.80
B-701C	52.89
B-705	3.13
B-705A	4.00
B-706	5.91
B-801A	31.27
B-TEST1	85.46
B-TEST2	63.92

NOTE: THE HYDRAULIC DATA IS SHOWN FOR INFORMATIONAL PURPOSES ONLY, TO INDICATE THE FLOOD DISCHARGES AND WATER SURFACE ELEVATIONS WHICH MAY BE ANTICIPATED IN ANY GIVEN YEAR. THIS DATA WAS GENERATED USING HIGHLY VARIABLE FACTORS DETERMINED BY A STUDY OF THE WATERSHED. MANY JUDGEMENTS AND ASSUMPTIONS ARE REQUIRED TO ESTABLISH THESE FACTORS. THE RESULTANT HYDRAULIC DATA IS SENSITIVE TO CHANGES, PARTICULARLY OF ANTECEDENT CONDITIONS, URBANIZATION, CHANNELIZATION, AND LAND USE. USERS OF THIS DATA ARE CAUTIONED AGAINST THE ASSUMPTION OF PRECISION WHICH CAN NOT BE ATTAINED. DISCHARGES ARE IN CUBIC FEET PER SECOND (cfs) AND STAGES ARE IN FEET, NAVD, 1988.

DEFINITIONS:

DESIGN FLOOD: THE FLOOD SELECTED BY F.D.O.T. TO BE UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.

BASE FLOOD: THE FLOOD HAVING A 1% CHANCE OF BEING EXCEEDED IN ANY YEAR. (100 YR. FREQUENCY)

OVERTOPPING FLOOD: THE FLOOD WHERE FLOW OCCURS (A) OVER THE HIGHWAY (B) OVER A WATERSHED DIVIDE OR (C) THRU EMERGENCY RELIEF STRUCTURES.

GREATEST FLOOD: THE MOST SEVERE FLOOD WHICH CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE, NORMALLY ONE WITH A 0.2% CHANCE OF BEING EXCEEDED IN ANY YEAR. (500 YR. FREQUENCY)

PREPARED BY: J. ALEXANDER GEORGE

DATE: 10/28/16

(1) DBI INLET TYPE C (MODIFIED)
GR. EL. 163.14
FL EL. 151.14

(2) DBI INLET TYPE E W/ TYPE C DITCH BLOCK
GR. EL. 150.28
FL EL. 144.86

(3) DBI INLET TYPE E W/ TYPE C DITCH BLOCK
GR. EL. 147.28
FL EL. 144.29

(4) ENDWALL
FL EL. 144.03

(5) ENDWALL
FL EL. 144.54

(6) DBI INLET TYPE E W/ TYPE C DITCH BLOCK
GR. EL. 148.39
FL EL. 144.08

(7) ENDWALL
FL EL. 144.07

(8) ENDWALL
FL EL. 154.14

(9) DBI INLET TYPE E W/ TYPE C DITCH BLOCK
GR. EL. 157.08
FL EL. 153.83

(10) DBI INLET TYPE E W/ TYPE C DITCH BLOCK
GR. EL. 157.13
FL EL. 153.74

(11) ENDWALL
FL EL. 153.64

(12) 134' OF 3-42" RCP
W FL EL. 146.35, E FL EL. 145.98
W FL EL. 146.33, E FL EL. 145.94
W FL EL. 146.28, E FL EL. 145.97

(13) 36" RCP
W FL EL. 150.03
E FL EL. 150.46

NOTES: EXISTING DRAINAGE DATA FOR STRUCTURES (1) TO (11) IS TAKEN FROM POLK PARKWAY (SR 570) WIDENING FROM BRADDOCK TO PACE RD AS-BUILT SURVEY. ORIGINAL DATA WAS IN REFERENCE TO NGVD 29 AND HAS BEEN CONVERTED TO NAVD 88 (NAVD = NGVD - 0.86').

EXISTING DRAINAGE DATA FOR STRUCTURE (12) IS TAKEN FROM CR 655 (BERKLEY ROAD) PH II AND III AS-BUILT SURVEY. ORIGINAL DATA REFERED TO NAVD 88.

STRUCTURE NO.	DRAINAGE AREA (AC)	STRUCTURE NO.	DRAINAGE AREA (AC)	STRUCTURE NO.	DRAINAGE AREA (AC)	STRUCTURE NO.	DRAINAGE AREA (AC)
S-1	0.51	S-39	0.36	S-109	0.48	S-136	0.17
S-3	0.30	S-39A	0.27	S-110	0.49	S-138	0.09
S-5	0.34	S-41	0.27	S-114	0.36	S-140	0.09
S-9	2.19	S-41A	0.31	S-116	0.36	S-147	1.57
S-11	2.08	S-43	0.31	S-117	0.17	S-148	0.74
S-13	2.40	S-45	2.47	S-119	0.17	S-149	4.33
S-15	1.71	S-47	0.20	S-120	0.28	S-156	1.75
S-17	22.47	S-49	0.26	S-122	0.28	S-158	0.60
S-18	0.12	S-100	0.56	S-123	0.14	S-159	0.33
S-19	1.40	S-101	0.53	S-123A	8.85	S-160	0.46
S-20	0.39	S-102	0.36	S-125	0.14		
S-25	0.25	S-103	0.33	S-127	0.21		
S-27	0.39	S-104	0.33	S-127A	2.70		
S-29	2.43	S-105	0.36	S-129	0.21		
S-30	19.87	S-106	1.36	S-131	0.02		
S-31	0.30	S-107	0.35	S-133	0.16		
S-37	0.27	S-108	0.86	S-134	0.17		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

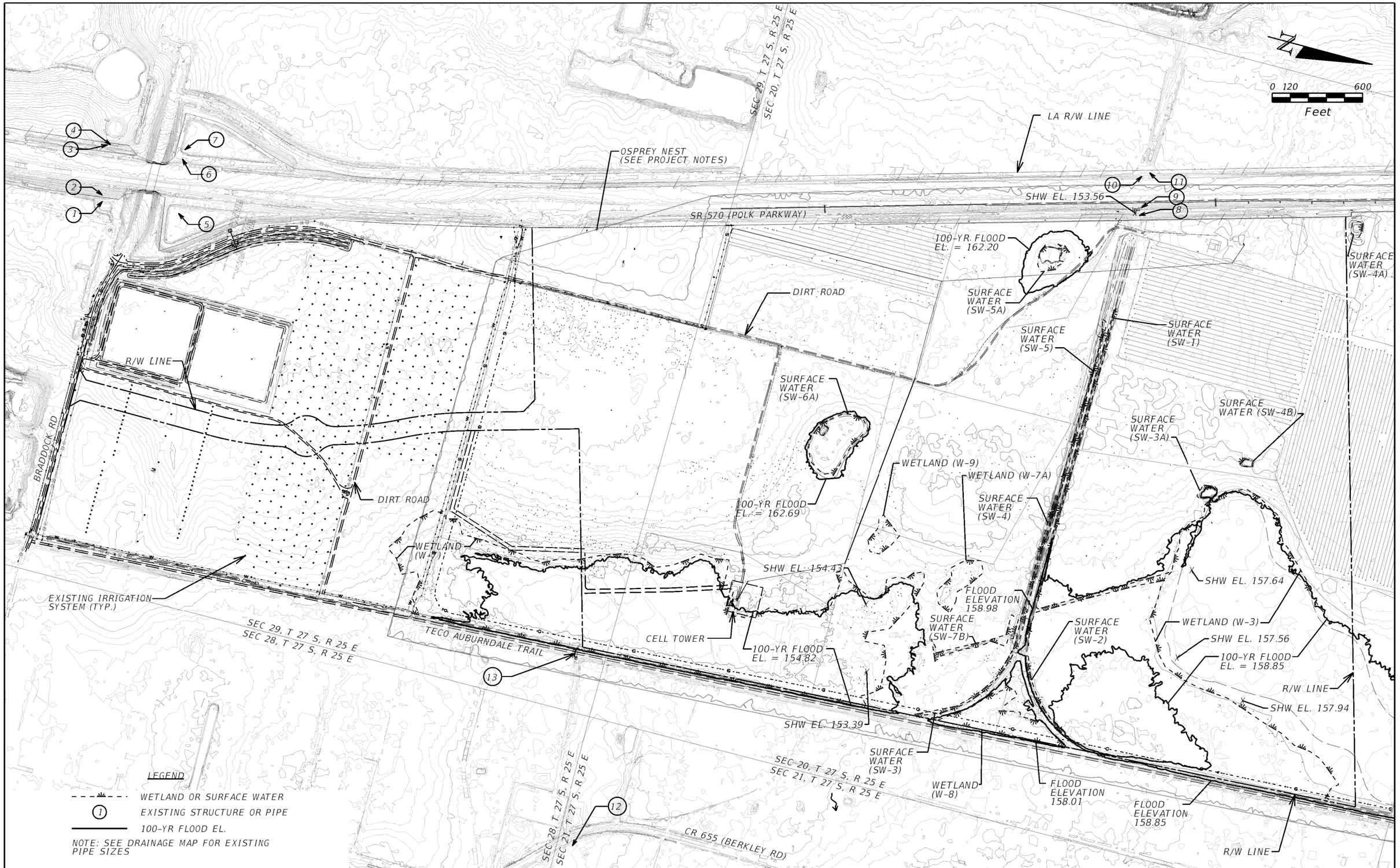
J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE MAP (2)

SHEET NO. 14



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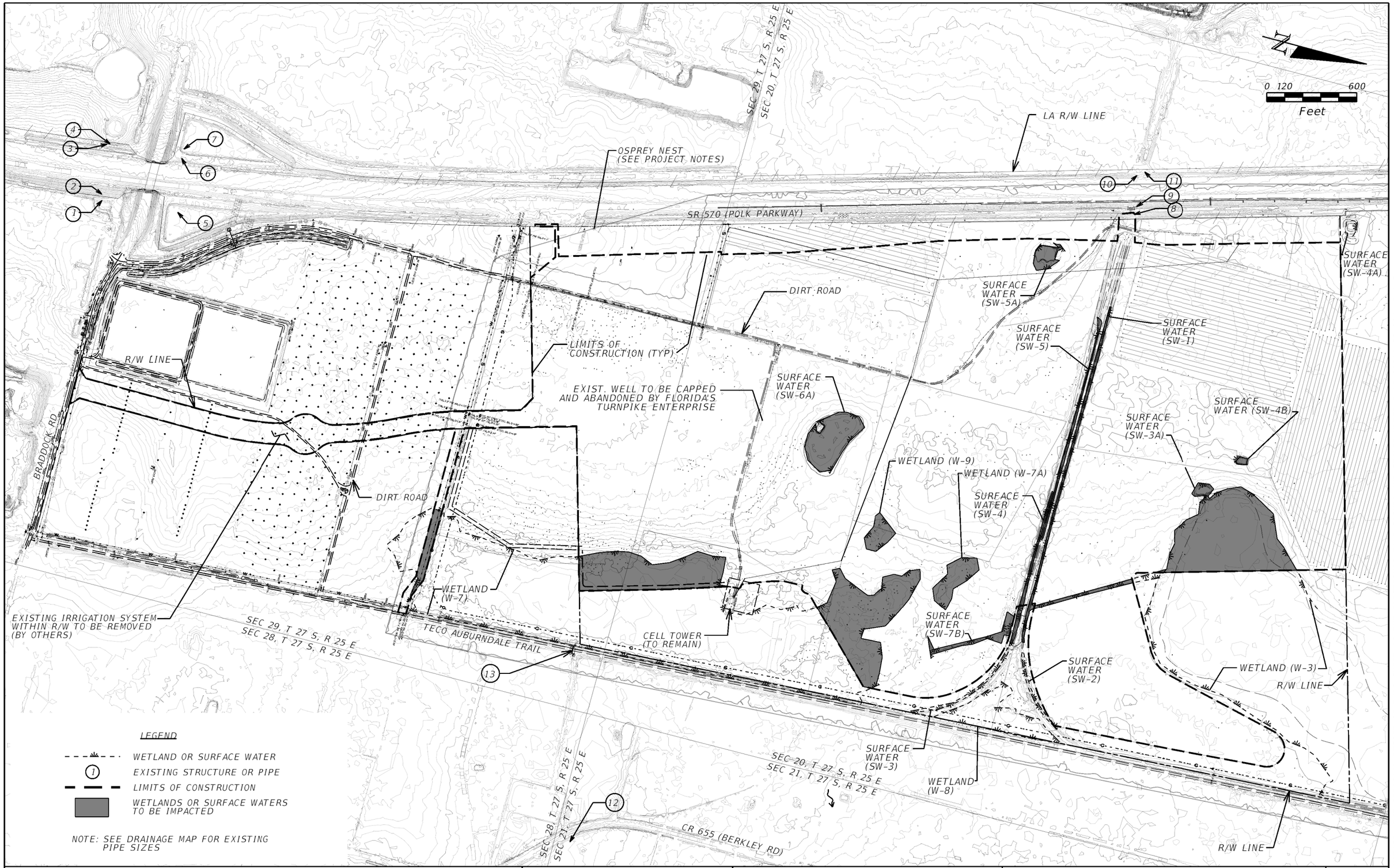
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

EXISTING CONDITIONS PLAN

SHEET NO. 15



LEGEND

- WETLAND OR SURFACE WATER
- (1) EXISTING STRUCTURE OR PIPE
- LIMITS OF CONSTRUCTION
- WETLANDS OR SURFACE WATERS TO BE IMPACTED

NOTE: SEE DRAINAGE MAP FOR EXISTING PIPE SIZES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DEMOLITION PLAN

SHEET NO. 16

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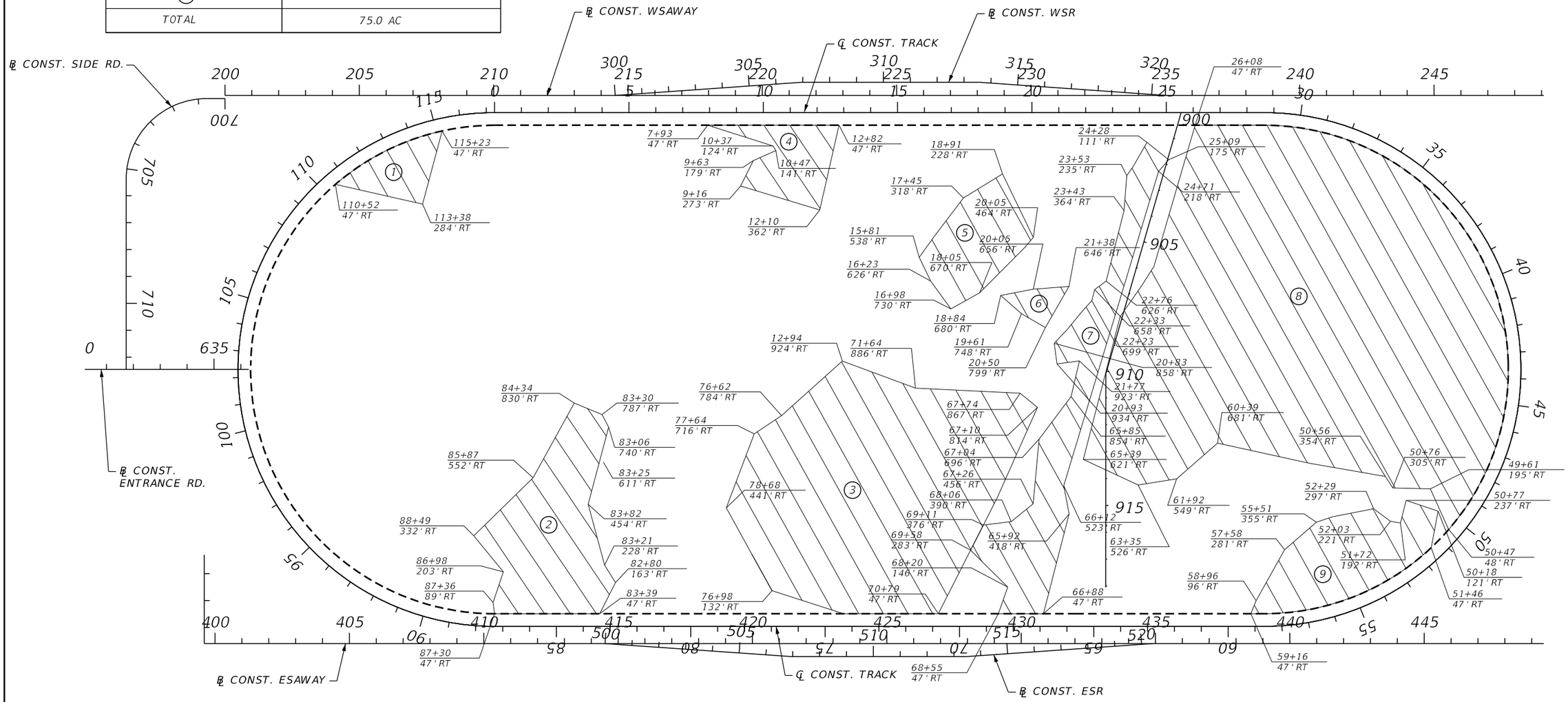
LOCATION	AREA (AC)
1	1.26 AC
2	5.52 AC
3	17.07 AC
4	1.91 AC
5	2.64 AC
6	0.46 AC
7	5.47 AC
8	36.91 AC
9	3.76 AC
TOTAL	75.0 AC



IN-FIELD AREAS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
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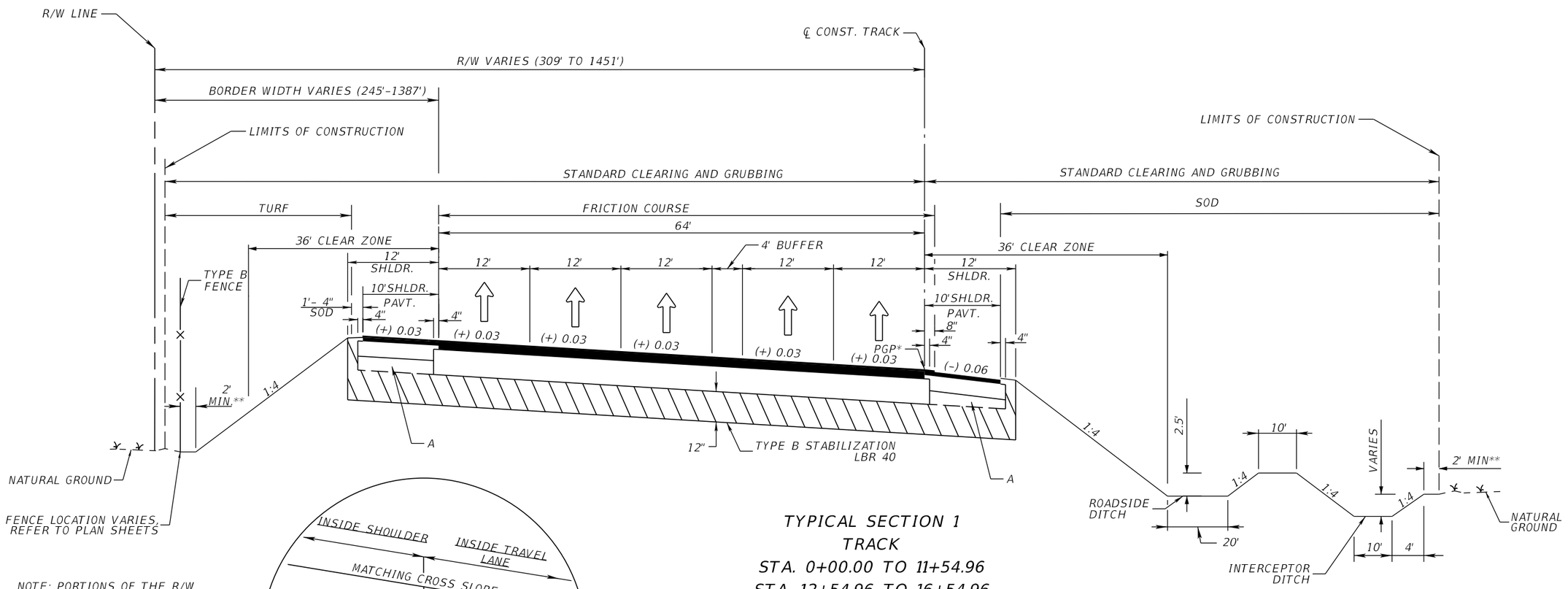
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

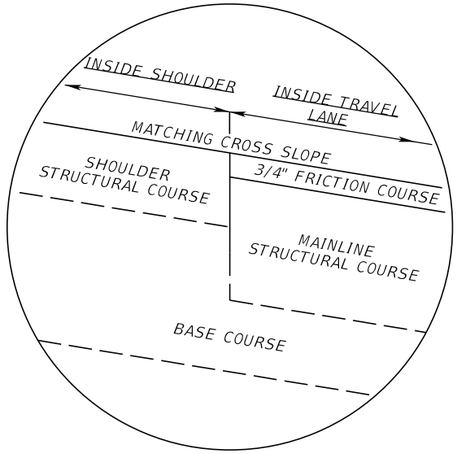
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CLEARING & GRUBBING PLAN

SHEET NO. 17



NOTE: PORTIONS OF THE R/W ARE LIMITED ACCESS. REFER TO PLAN SHEETS AND CROSS SECTIONS.



SHOULDER STRUCTURAL COURSE DETAIL

TYPICAL SECTION 1

TRACK

STA. 0+00.00 TO 11+54.96
STA. 12+54.96 TO 16+54.96
STA. 17+54.96 TO 28+65.00
STA. 58+65.22 TO 69+75.26
STA. 70+75.26 TO 74+75.26
STA. 75+75.26 TO 87+30.22

* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

A: AT THE CONTRACTOR'S OPTION, THIS AREA MAY BE CONSTRUCTED OF BASE MATERIAL AT NO ADDITIONAL COMPENSATION

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 75 MPH
DDHV = 100%

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 4 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5")

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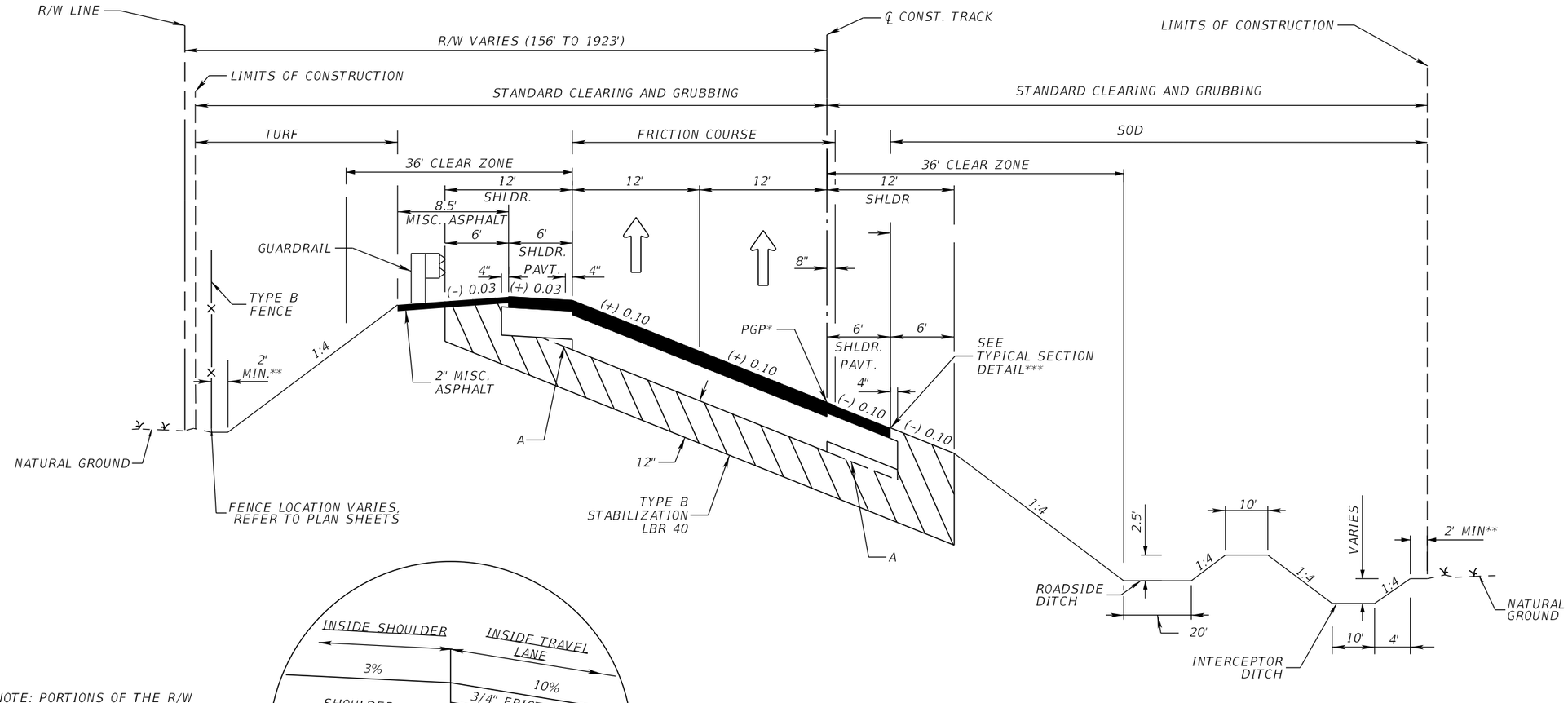
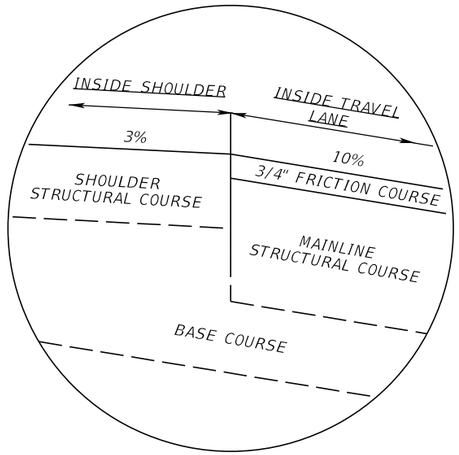
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (1)

SHEET NO. 18



NOTE: PORTIONS OF THE R/W ARE LIMITED ACCESS. REFER TO PLAN SHEETS AND CROSS SECTIONS.



SHOULDER STRUCTURAL COURSE DETAIL

TYPICAL SECTION 2
TRACK
STA. 28+65.00 TO 58+65.22
STA. 87+30.22 TO 117+30.44

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 4 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5")

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 55 MPH
DDHV = 100%

* PROFILE GRADE POINT
** THE AREA DISTURBED BY CONSTRUCTION VARIES
*** SEE TYPICAL SECTION DETAILS AND PLANS FOR GURADRAIL AND SHOULDER GUTTER LIMITS
A: AT THE CONTRACTOR'S OPTION, THIS AREA MAY BE CONSTRUCTED OF BASE MATERIAL AT NO ADDITIONAL COMPENSATION

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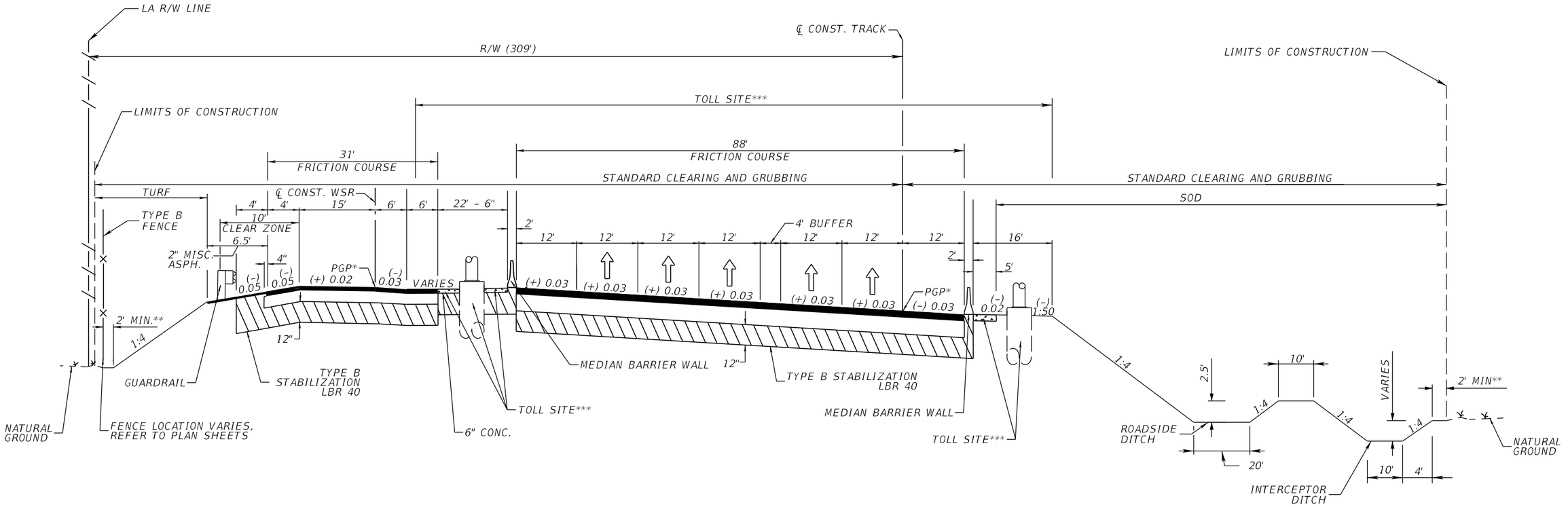
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (2)

SHEET NO. 19



TYPICAL SECTION 3
TOLL SITE 1
STA. 11+54.96 TO 12+54.96

* PROFILE GRADE POINT
** THE AREA DISTURBED BY CONSTRUCTION VARIES
*** REFER TO TOLL SITE PLANS

TRAVEL LANE & SHOULDER NEW CONSTRUCTION

OPTIONAL BASE GROUP 11 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (4")
AND FRICTION COURSE FC-12.5 (TRAFFIC B) ($1\frac{1}{2}$") (PG 76-22)

WSR AND SHOULDERS NEW CONSTRUCTION

OPTIONAL BASE GROUP 06 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2.0") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 75 MPH
DDHV = 100%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
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STATE OF FLORIDA
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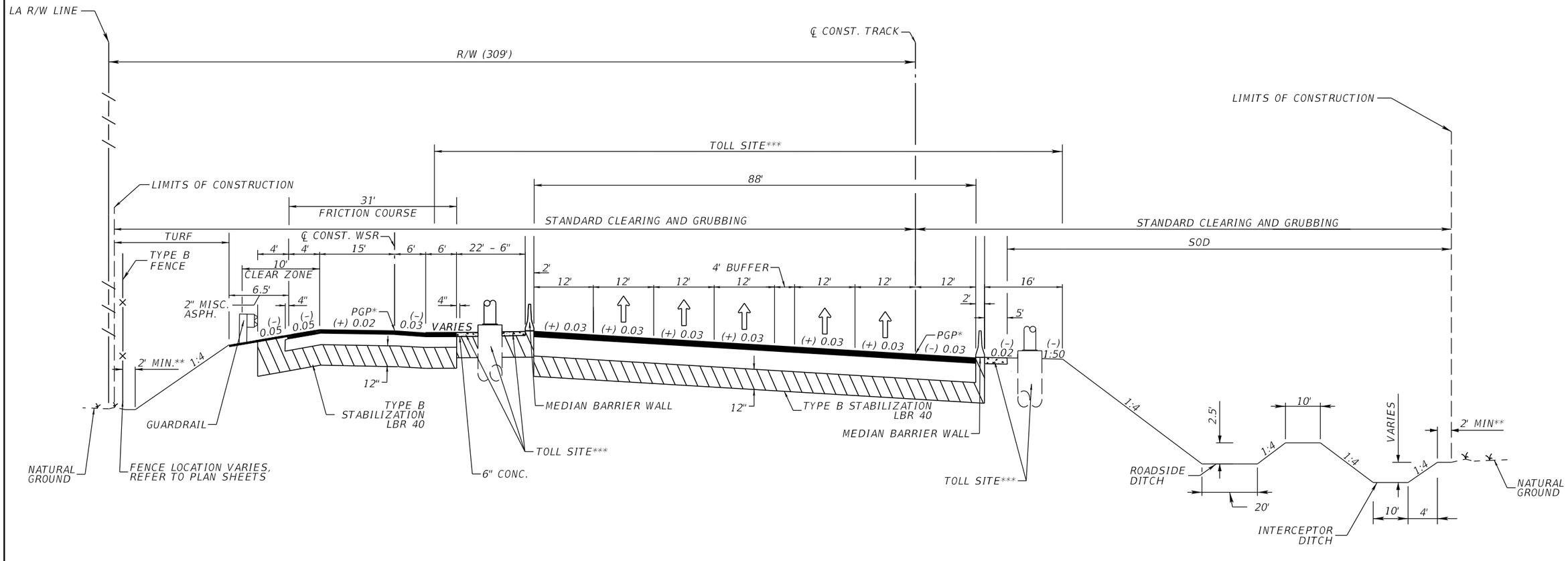
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (3)

SHEET NO. 20

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



TYPICAL SECTION 4
TOLL SITE 2
STA. 16+54.96 TO 17+54.96

* PROFILE GRADE POINT
** THE AREA DISTURBED BY CONSTRUCTION VARIES
*** REFER TO TOLL SITE PLANS

TRAVEL LANE & SHOULDER NEW CONSTRUCTION

OPTIONAL BASE GROUP 11 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (4")
AND FRICTION COURSE FC-12.5 (TRAFFIC B) ($1\frac{1}{2}$") (PG 76-22)

WSR AND SHOULDERS NEW CONSTRUCTION

OPTIONAL BASE GROUP 06 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2.0") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 75 MPH
DDHV = 100%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (4)

SHEET NO. 21

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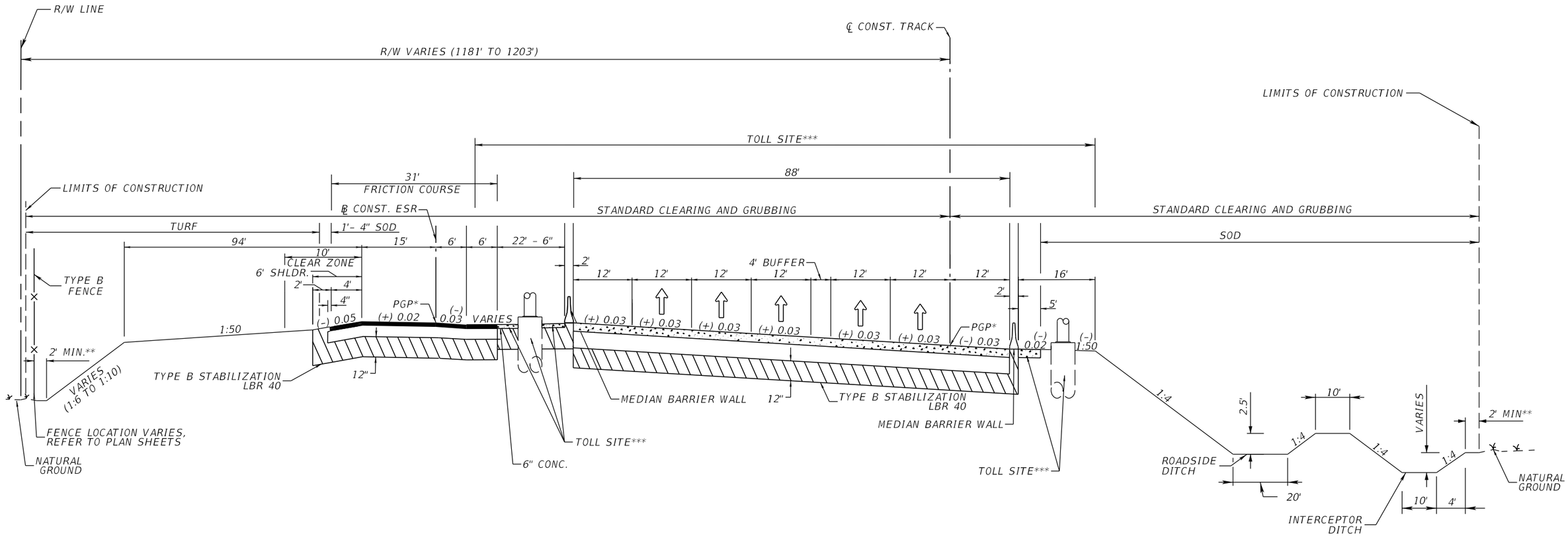

TYPICAL SECTION 5
TOLL SITE 3
STA. 69+75.26 TO 70+75.26

* PROFILE GRADE POINT
** THE AREA DISTURBED BY CONSTRUCTION VARIES
*** REFER TO TOLL SITE PLANS

TRAVEL LANE & SHOULDER NEW CONSTRUCTION

OPTIONAL BASE GROUP 11 (TYPE B-12.5 ONLY) WITH
10" GLASS-FIBER-REINFORCED-POLYMER (GFRP) CONCRETE PAVEMENT

ESR AND SHOULDERS NEW CONSTRUCTION

OPTIONAL BASE GROUP 06 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2.0") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 75 MPH
DDHV = 100%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (5)

SHEET NO. 22

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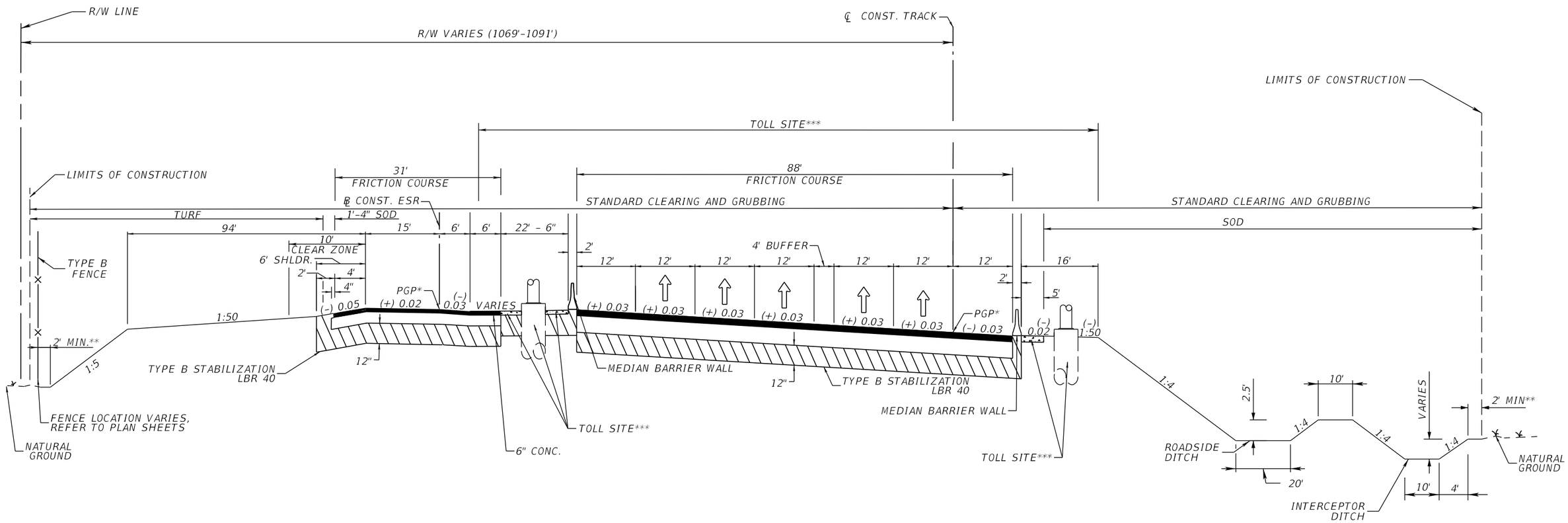

TYPICAL SECTION 6
TOLL SITE 4
STA. 74+75.26 TO 75+75.26

* PROFILE GRADE POINT
** THE AREA DISTURBED BY CONSTRUCTION VARIES
*** REFER TO TOLL SITE PLANS

TRAVEL LANE & SHOULDER NEW CONSTRUCTION

OPTIONAL BASE GROUP 11 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (4")
AND FRICTION COURSE FC-12.5 (TRAFFIC B) ($1\frac{1}{2}$") (PG 76-22)

ESR AND SHOULDERS NEW CONSTRUCTION

OPTIONAL BASE GROUP 06 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2.0") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR =2016 AADT= N/A
ESTIMATED OPENING YEAR= 2018 AADT= 480
ESTIMATED DESIGN YEAR= 2038 AADT= 480
K= N/A D= 1 T= 100
DESIGN HOUR T= N/A
DESIGN SPEED = 75 MPH
DDHV = 100%

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (6)

SHEET NO. 23

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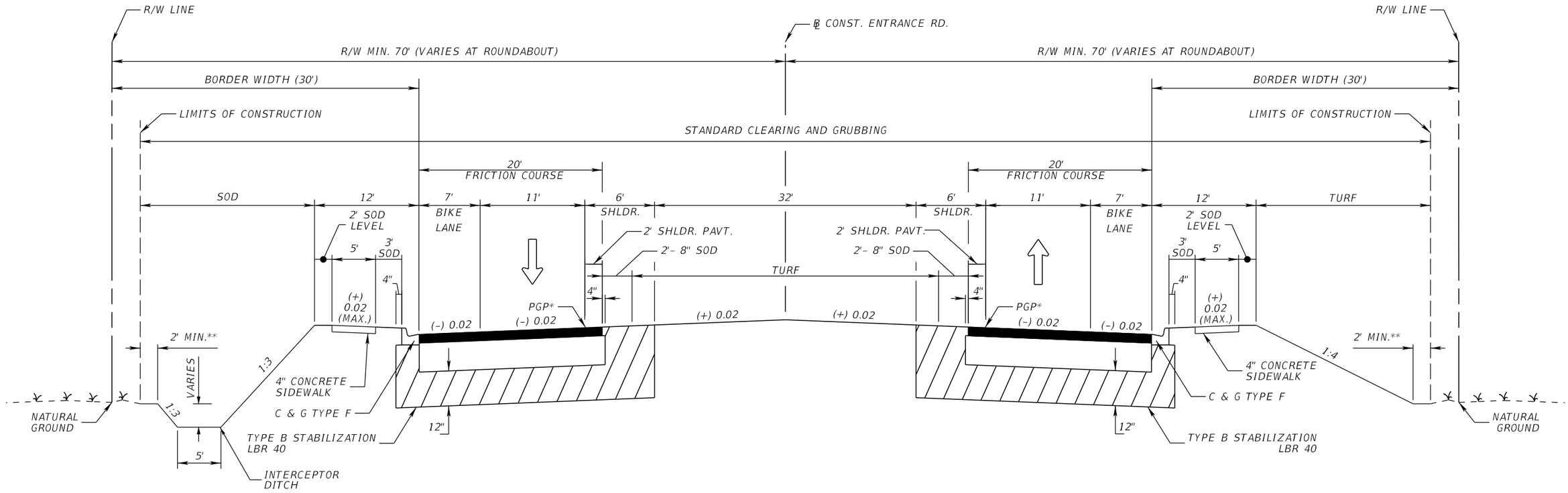

TYPICAL SECTION 7
ENTRANCE ROAD
STA. 600+00.00 TO 613+79.06

* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2") (PG 76-22)

TRAFFIC DATA: N/A

DESIGN SPEED = 35 MPH

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

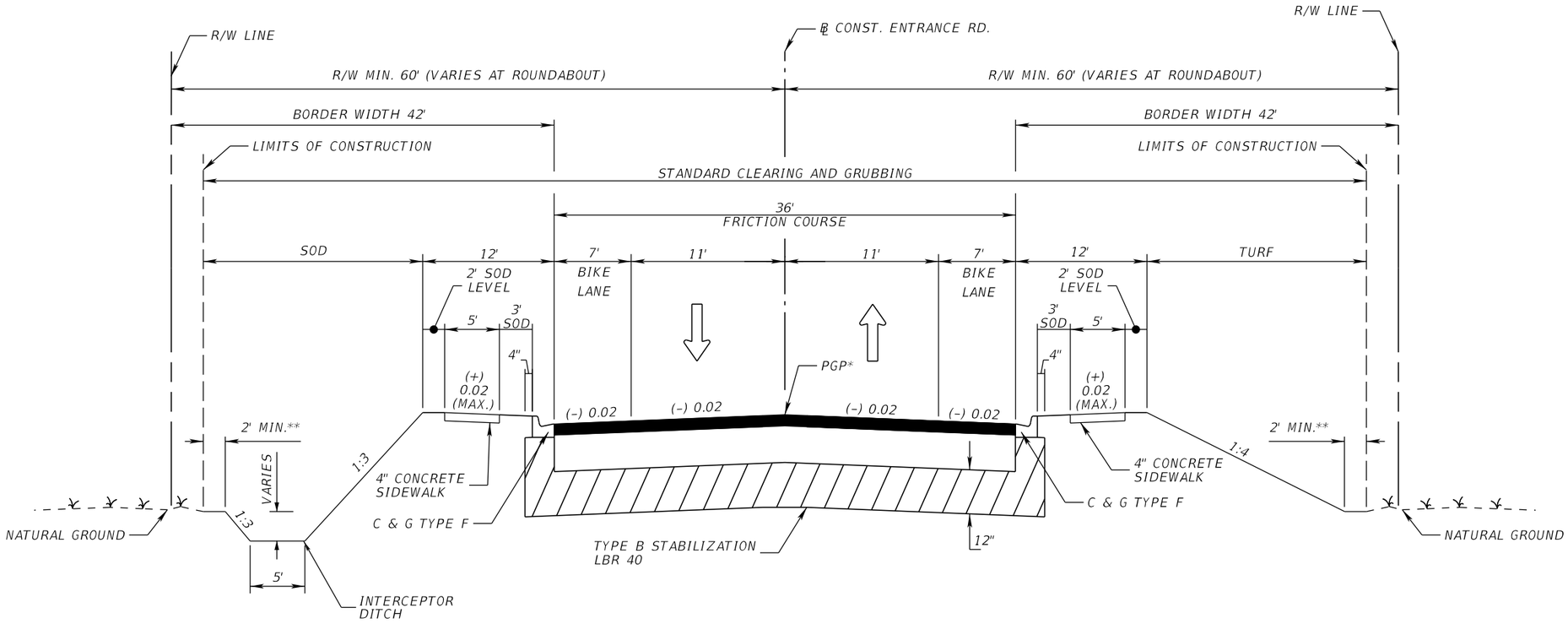
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (7)

SHEET NO. 24



* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

TYPICAL SECTION 8
ENTRANCE ROAD
STA. 617+50.71 TO 632+18.52

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2") (PG 76-22)

TRAFFIC DATA: N/A

DESIGN SPEED = 35 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (8)

SHEET NO. 25

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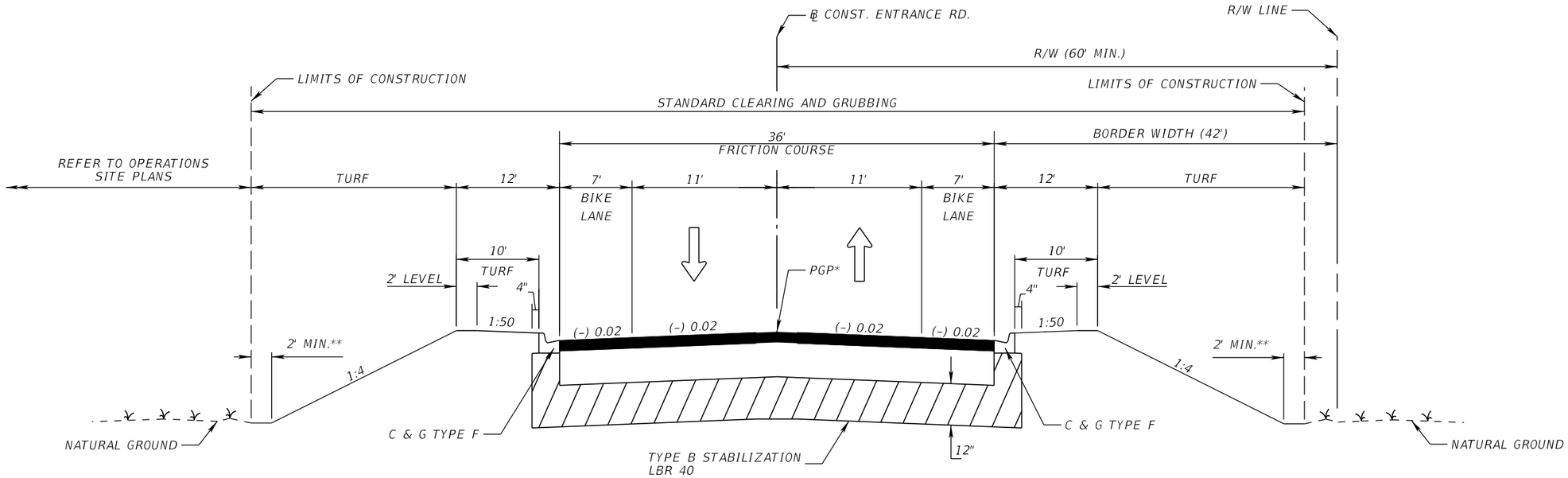


* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

TYPICAL SECTION 9
ENTRANCE ROAD
STA. 632+18.52 TO 636+29.57

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2") (PG 76-22)

TRAFFIC DATA: N/A

DESIGN SPEED = 35 MPH

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

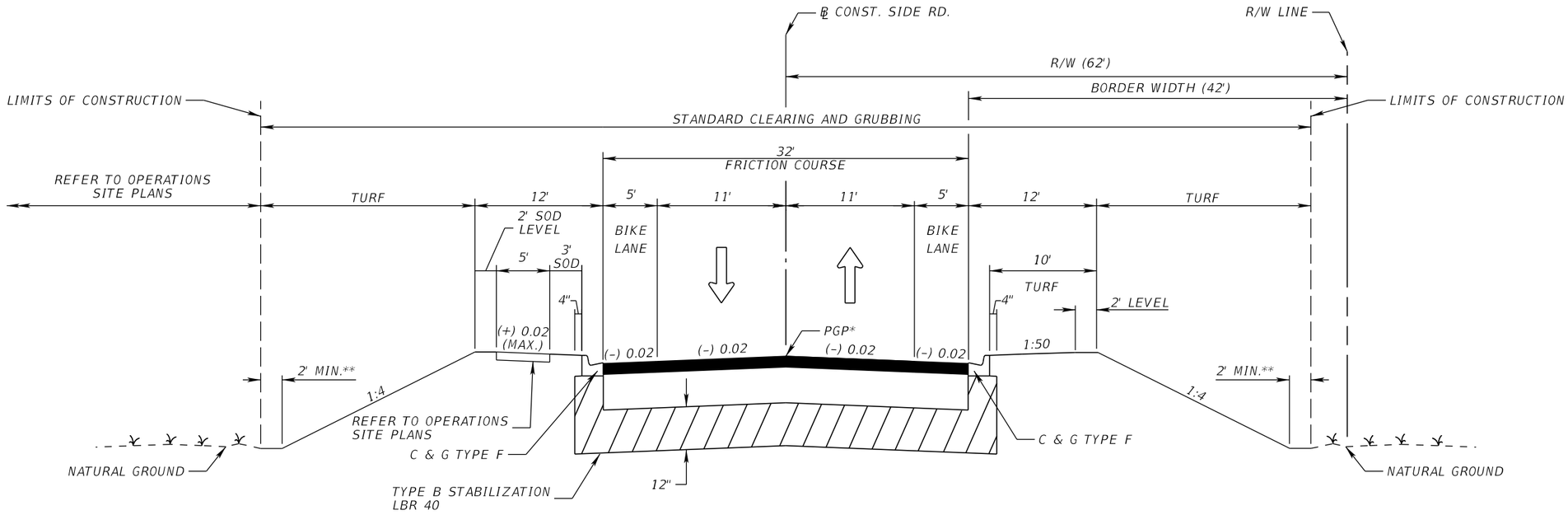
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (9)

SHEET NO. 26



TYPICAL SECTION 11
SIDE ROAD
STA. 707+88.30 TO 712+45.83

* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2") (PG 76-22)

TRAFFIC DATA: N/A

DESIGN SPEED = 15 MPH

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

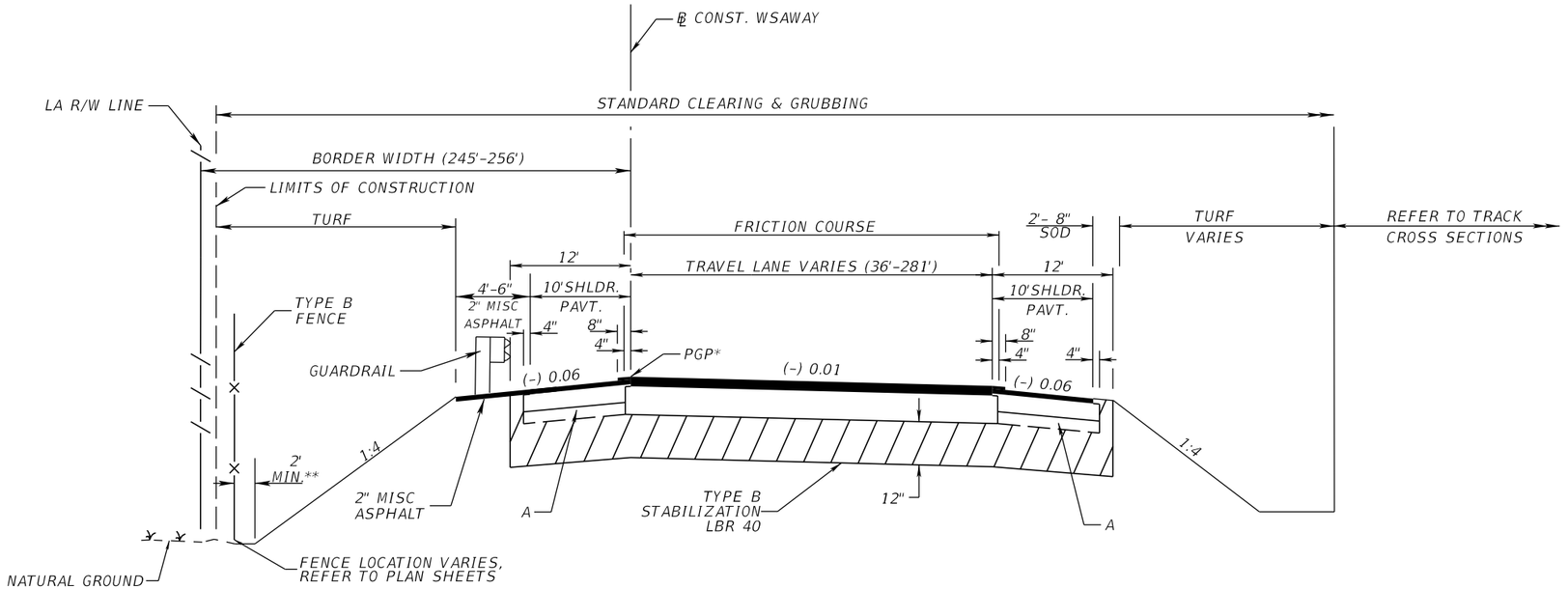
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (11)

SHEET NO. 27



TYPICAL SECTION 12
WSAWAY
STA. 200+00.00 TO 210+03.48
STA. 238+68.48 TO 249+08.58

* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

A: AT THE CONTRACTOR'S OPTION, THIS AREA MAY BE CONSTRUCTED OF BASE MATERIAL AT NO ADDITIONAL COMPENSATION

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 4 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5")

TRAFFIC DATA: N/A

DESIGN SPEED = 55 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (12)

SHEET NO. 28

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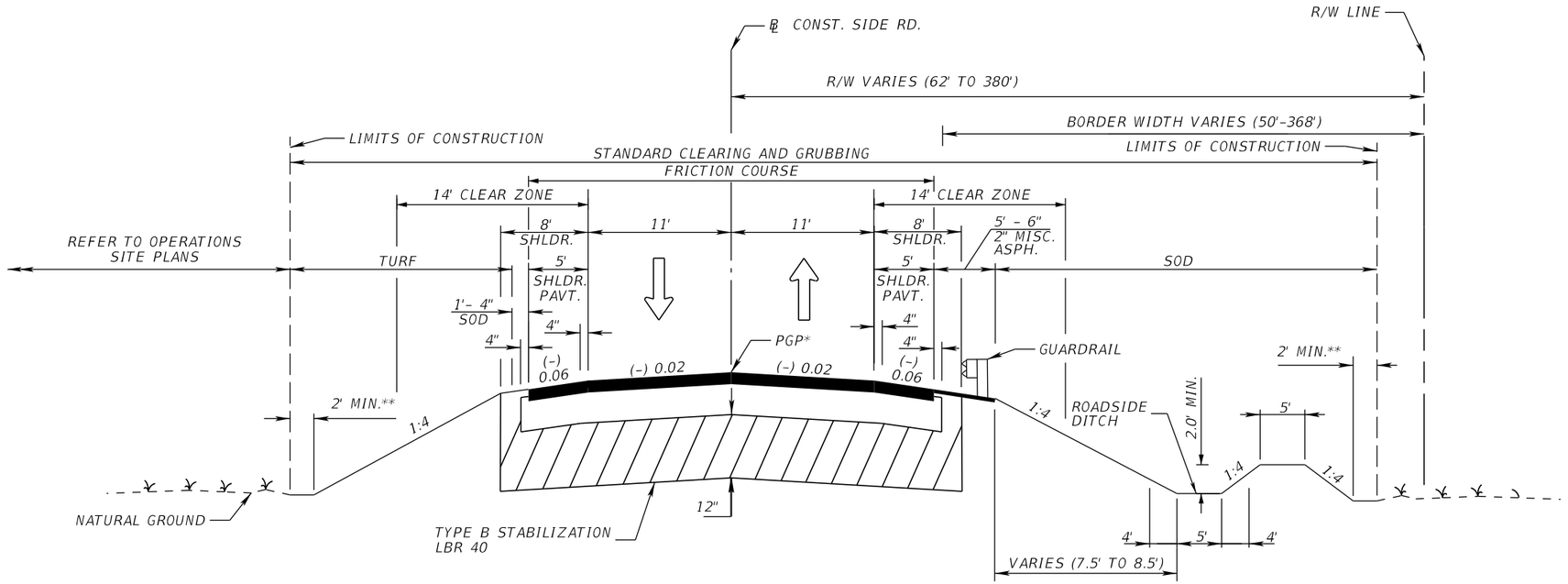

* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

TYPICAL SECTION 10
SIDE ROAD
STA. 700+00.00 TO 707+88.30

SHOULDER NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (2") (PG 76-22)

TRAFFIC DATA: N/A

DESIGN SPEED = 15 MPH

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
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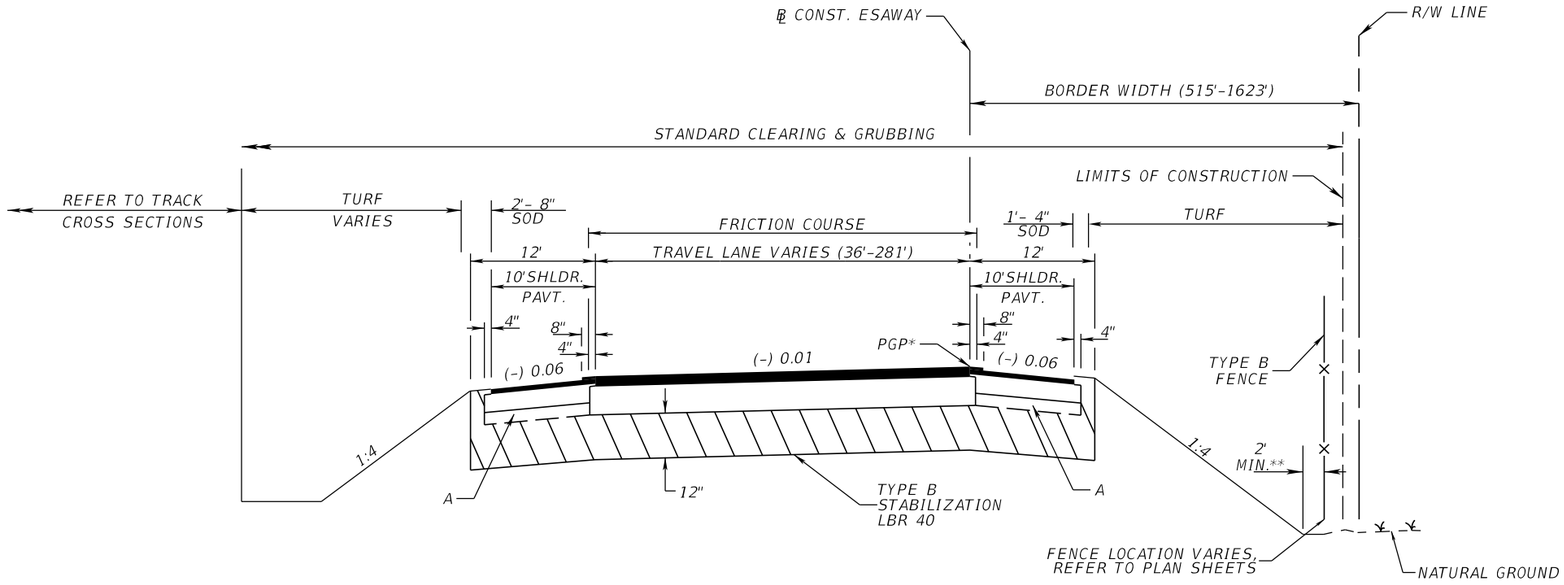
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (10)

SHEET NO. 29



* PROFILE GRADE POINT

** THE AREA DISTURBED BY CONSTRUCTION VARIES

A: AT THE CONTRACTOR'S OPTION, THIS AREA MAY BE CONSTRUCTED OF BASE MATERIAL AT NO ADDITIONAL COMPENSATION

TYPICAL SECTION 13
ESAWAY
STA. 400+86.74 TO 410+40.23
STA. 439+05.23 TO 449+45.46

NEW CONSTRUCTION

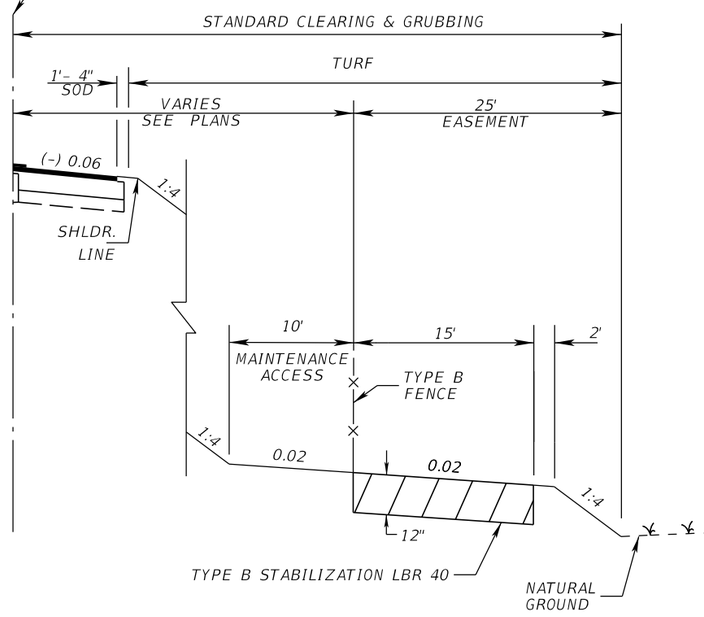
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 4 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5")

TRAFFIC DATA: N/A

DESIGN SPEED = 55 MPH



SOUTH TOWER ACCESS ROAD

NTS
SEE ROADWAY PLANS FOR LIMITS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION (13)

SHEET NO. 30

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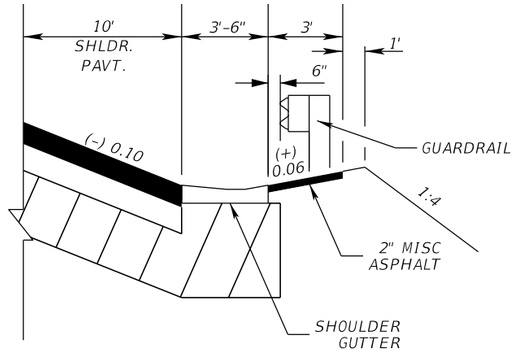
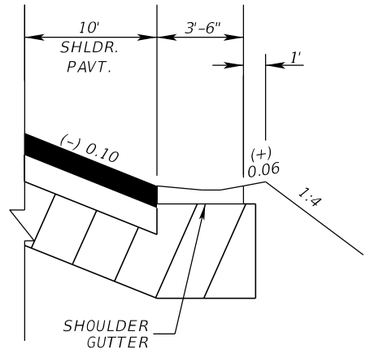


SHOULDER GUTTER & GUARDRAIL
℄ CONST. TRACK RT

NTS

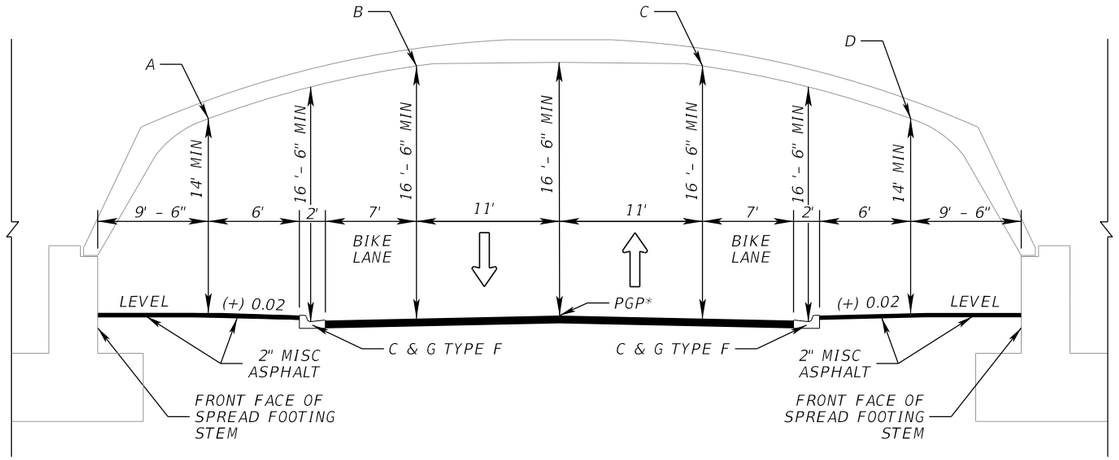
STA. 99+55.92 TO STA. 100+84.53
STA. 103+76.14 TO 105+04.74



SHOULDER GUTTER
℄ CONST. TRACK RT

NTS

STA. 91+30.00 TO 99+45.78
STA. 105+14.88 TO 112+60.00



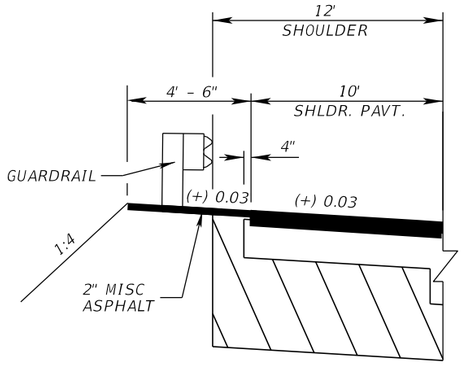
ENTRANCE RD. UNDER THE THREE-SIDED BRIDGE CULVERT

NTS

STA. 635+51.82 TO 636+04.05

NOTE 1: THIS DETAIL SHOWS MINIMUM REQUIRED VERTICAL CLEARANCE FOR THE THREE-SIDED BRIDGE CULVERT.
THE FOLLOWING TABLE SHOWS THE DESIGN CALCULATED VERTICAL CLEARANCES AT POINTS A,B,C,D AT THE ENDS OF THE BRIDGE CULVERT.

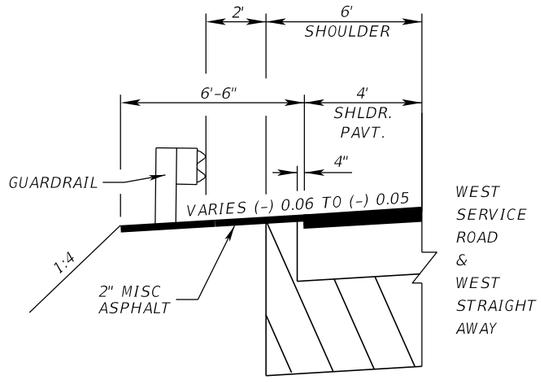
NOTE 2: THE CALCULATED VERTICAL CLEARANCE WILL VARY DEPENDING ON THE CHOSEN PRECAST BRIDGE GEOMETRY AND THE CONTRACTOR SHALL COORDINATE WITH THE SELECTED PRECAST BRIDGE MANUFACTURER TO MEET MINIMUM CLEARANCE SHOWN.



GUARDRAIL ℄ CONST. TRACK LT

NTS

STA. 0+00.00 TO STA. 2+90.76
STA. 26+27.99 TO STA. 28+65.00



GUARDRAIL WEST SERVICE ROAD & WEST STRAIGHT AWAY

NTS

STA. 212+94.23 TO STA. 214+52.26 (℄ WSAWAY)
STA. 300+00.00 TO STA. 320+53.06 (℄ WSR)
STA. 235+02.03 TO STA. 236+31.41 (℄ WSAWAY)

	CALCULATED VERTICAL CLEARANCE			
STATION	A	B	C	D
635+51.80	15.81'	20.32'	20.32'	15.81'
636+04.05	15.65'	20.17'	20.17'	15.65'

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

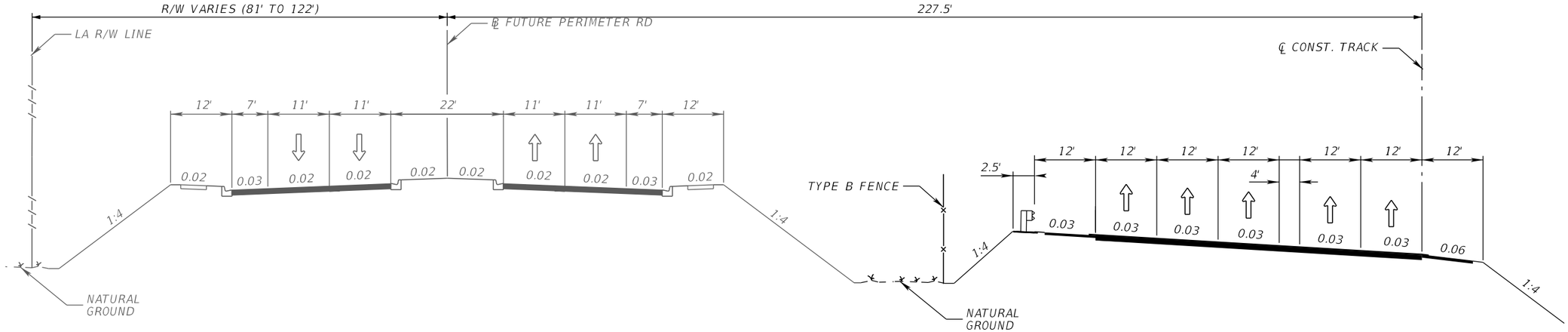
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

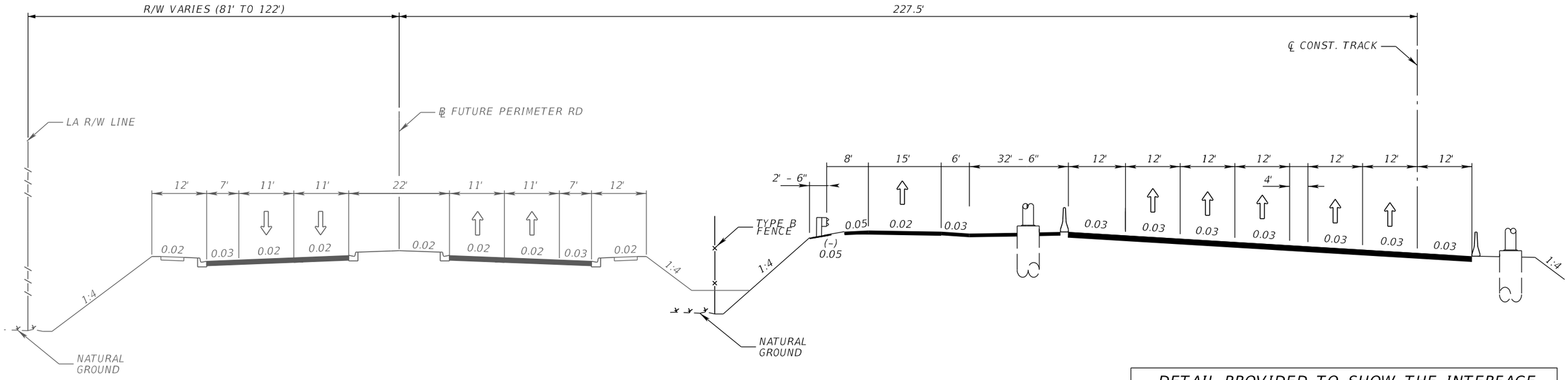
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION DETAILS (1)

SHEET NO. 31



TYPICAL SECTION
TRACK & FUTURE PERIMETER ROAD



TYPICAL SECTION
TOLL GANTRY & FUTURE PERIMETER ROAD

DETAIL PROVIDED TO SHOW THE INTERFACE BETWEEN PROPOSED IMPROVEMENTS & THE FUTURE PERIMETER ROAD (FOR INFORMATION PURPOSES ONLY)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TYPICAL SECTION DETAILS (2)

SHEET NO. 32

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

GENERAL NOTES

1. The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure can be used.

2. Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.

3. Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.

4. If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.

5. The Contractor shall notify the Department in writing as to which optional pipe material he chooses to use at the preconstruction conference. Once identified the contactor may not change pipe material selected without the approval of the Engineer.

6. Pipe sizes other than round (Elliptical/Arch) are summarized and paid for using equivalent round pipe diameter.

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-1	100	18	X	RCP CLASS II				
S-3	100	18	X	RCP CLASS II				
S-5	100	18	X	RCP CLASS II				
S-7	100	48	X	RCP CLASS III				
				SRAP, 10 GA.				
S-9	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-11	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-13	100	18	X	RCP CLASS II				
S-15	100	18	X	RCP CLASS II				
S-17	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-18	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-19	100	60	X	RCP CLASS III				
				SRAP, 10 GA.				
S-20	100	60	X	RCP CLASS III				
				SRAP, 10 GA.				
S-21	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-22	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 33

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-23	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-25	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-27	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-29	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-30	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-31	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-33	100	24	X	RCP CLASS II				
S-34	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-35	100	24	X	RCP CLASS II				
S-35A	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-37	25	18	X	SRAP, 16 GA.				
S-39	25	18	X	SRAP, 16 GA.				
S-39A	25	18	X	SRAP, 16 GA.				
S-41	25	18	X	SRAP, 16 GA.				

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-41A	25	18	X	SRAP, 16 GA.				
S-43	25	18	X	SRAP, 16 GA.				
S-45	100	18	X	RCP CLASS III				
S-47	25	18	X	SRAP, 16 GA.				
S-49	25	18	X	SRAP, 16 GA.				
S-100	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-101	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-102	100	30	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-103	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-104	100	30	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-105	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-106	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-107	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 34

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-108	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-109	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-110	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-111	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-112	100	30	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-113	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-114	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-116	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-117	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-119	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-120	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-122	100	42	X	RCP CLASS II				
				HDPE CL II				
				PP				
S-123A	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-123	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-125	100	42	X	RCP CLASS II				
				HDPE CL II				
				PP				
S-126	100	42	X	RCP CLASS II				
				HDPE CL II				
				PP				
S-127	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-129	100	48	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-130	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-131	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-133	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				

REVISIONS

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ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 35

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

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-134	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-136	100	60	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-138	100	30	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-140	100	66	X	RCP CLASS II				
				SRAP, 10 GA.				
S-147	100	66	X	RCP CLASS II				
				SRAP, 10 GA.				
S-148	100	66	X	RCP CLASS II				
				SRAP, 10 GA.				
S-149	100	66	X	RCP CLASS III				
				SRAP, 10 GA.				
S-150	100	66	X	RCP CLASS III				
				SRAP, 10 GA.				
S-151	100	66	X	RCP CLASS III				
				SRAP, 10 GA.				
S-152	100	66	X	RCP CLASS III				
				SRAP, 10 GA.				
S-153	100	66	X	RCP CLASS III				
				SRAP, 10 GA.				
S-154	100	66	X	RCP CLASS II				
				SRAP, 10 GA.				
S-156	100	42	X	RCP CLASS II				
				HDPE CL II				
				PP				
S-157	100	48	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-158	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-159	100	48	X	RCP CLASS II				
				HDPE CL II				
				PP				
				SRAP, 10 GA.				
S-160	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
CD-1	100	18	X					
				RCP CLASS II				
CD-2	100	18	X	RCP CLASS II				
CD-5	100	36	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-2	100	24	X	RCP CLASS II				
OCS-3	100	24	X	RCP CLASS II				
OCS-4	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-5	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-6	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-7	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-8	100	24	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
OCS-9	100	24	X	RCP CLASS II				

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P.E. LICENSE NUMBER 59006
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ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 36

STR NO.	DSL YEARS	SIZE (Inches)	PLOTTED	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
S-1A	100	14X23	X	ERCP CLASS HE-I				
S-5A	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-17A	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-31A	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				
S-127A	100	18	X	RCP CLASS II				
				HDPE CL II				
				PP				
				PVC, F-949				

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

OPTIONAL MATERIALS TABULATION

SHEET NO. 37

SUMMARY OF LUMP SUM ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101-0	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL				
			DAYS	P	P	P	F		
0102-1	MAINTENANCE OF TRAFFIC	LS	900	1	1	1		900 DAYS	
0102-60	WORK ZONE SIGNS	ED	900	14	12600	12600			
0102-74-1	CHANNELIZING DEVICE- TYPES I, II, D.I, VP, DRUM OR LCD	ED	900	14	12600	12600			
0102-99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	900	2	1800	1800			
0102-74-2	CHANNELIZING DEVICE, TYPE III, 6'	ED	900	2	1800	1800			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	℄/℄	SEDIMENT BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 12		0104 15		0104 18			
STA. TO STA.			LF		LF		EA		EA			
			P	F	P	F	P	F	P	F		
200+00.00 to 249+08.58	LT	WSAWAY	5327.7						3			
400+00.00 to 449+45.46	RT	ESAWAY	4780.6		4586.1				5			
000+00.00 to 117+30.44	LT	TRACK	2976.4		280.6				8			
000+00.00 to 117+30.44	RT	TRACK	85.0						12			
600+00.00 to 636+29.57	LT	ENT.RD	3064.2				1		15			
600+00.00 to 636+29.57	RT	ENT.RD	4548.0		1489.1				13			
700+00.00 to 712+45.83	RT	SR	1639.0						3			
700+00.00 to 712+45.83	LT	SR							1			
SUB-TOTAL:			22420.9		6355.8		1		60			
TOTAL:			22421		6356		1		60			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-1

SUMMARY OF REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM) AREA (AC)	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
110-1-1	CLEARING AND GRUBBING	ENTIRE SITE							165				ACRES	

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY P	CY F	DESIGN NOTES	CONSTRUCTION REMARKS
0120-1	REGULAR EXCAVATION				
	CL TRACK STA. 00+00.00 TO STA. 117+30.44	50352.00			
	CL WSAWAY STA. 200+00.00 TO STA. 206+00.00 & STA. 238+68.34 TO STA. 242+00.00 TO STA.248+90.00	19.00			
	CL ESAWAY STA. 200+00.00 TO STA. 206+00.00 & 242+00. 00 TO STA.248+90.00	0.00			
	CL ENTRANCE RD. STA. 600+00.58 TO STA. 636+29.57	9259.00			
	SIDE ROAD STA. 700+00.00 TO STA. 712+00.00	670.00			
	POND 1 & 2	307807.00			
	TOTAL REGULAR EXCAVATION	368107.00			
0120-6	EMBANKMENT				
	CL TRACK STA. 00+00.00 TO STA. 117+30.44	691629.00			
	CL WSAWAY STA. 200+00.00 TO STA. 206+00.00 & STA. 238+68.34 TO STA. 242+00.00 TO STA.248+90.00	44865.00			
	CL ESAWAY STA. 400+00.00 TO STA. 407+00.00 & 243+00. 00 TO STA.449+45.46	136317.00			
	CL ENTRANCE ROAD STA. 600+00.58 TO STA. 636+29.57	14749.00			
	SIDE RD. STA. 700+00.00 TO STA. 712+00.00	10848.00			
	POND 1 & 2	43353.00			
	TOTAL EMBANKMENT	941761.00			
120-4	SUBSOIL EXCAVATION				
	CL TRACK STA. 52+00.00 TO STA. 56+00.00	1101.00			
	CL ESAWAY STA. 400+00.00 TO STA. 446+00.00	10489.00			
	TOTAL SUBSOIL EXCAVATION	11590.00			

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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160 NORTH WESTMONTE DRIVE, SUITE 2000
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-2

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION				P	F	P	F		
0160-4	TYPE B STABILIZATION	00+00.00 to 11+54.96	CL CONST. TRACK	LT & RT	50036	SY	11400.00		190563			
		12+54.96 to 16+54.96		LT & RT	22403		4006.40					
		17+54.96 to 28+65.00		LT & RT	50055		10392.70					
		28+65.00 to 58+65.22		LT & RT	53250		16221.00					
		58+65.22 to 69+75.26		LT & RT	50090		10476.20					
		70+75.26 to 74+75.26		LT & RT	22449		4000.00					
		75+75.26 to 87+30.22		LT & RT	50070		11304.50					
		87+30.22 to 101+91.32		LT & RT	53359		8478.70					
		101+91.32 to 102+69.34	THREE SIDED CULVERT BRIDGE	LT & RT	23228		416.10					
		102+69.34 to 117+30.44		LT & RT	54055		8544.20					
		200+00.00 to 210+03.48	BL CONST. WSAWAY	LT & RT	53410		13769.80					
		238+68.48 to 248+62.30		LT & RT	53169		13564.10					
		300+00.00 to 320+53.06	BL CONST. WSR	LT & RT	46296		10138.70					
		397+95.48 to 409+64.89	SOUTH TOWER ACCESS ROAD	RT	57570		2211.50					
		400+46.27 to 410+40.23	BL CONST. ESAWAY	LT & RT	53147		13564.10					
		439+05.23 to 449+45.46		LT & RT	53158		13564.10					
		500+00.00 to 520+41.61	BL CONST. ESR	LT & RT	46224		10081.80					
		600+00.58 to 613+79.07	BL CONST. ENTRANCE ROAD	LT	54428		4270.20					
		600+00.58 to 614+01.81		RT	54461		4293.60					
		613+79.07 to 617+56.18	ROUNDABOUT	M	54336		2277.90					
		617+56.18 to 636+29.57		LT & RT	44119		8426.60					
		to										
		700+00.00 to 702+29.84	BL CONST. SIDE ROAD	LT & RT	46064		4610.70					
		702+29.84 to 712+25.50		LT & RT	54180		4549.80					
0285-704	OPTIONAL BASE, BASE GROUP 04	00+00.00 to 11+54.96	CL COSNT. TRACK , Shoulder paved	RT	46730	SY	761.90		25929			
		07+92.84 to 11+54.96	SHOULDER PAVED	LT	11619		470.20					
		12+54.96 to 16+54.96	SHOULDER PAVED	LT	11624		518.50					
		12+54.96 to 16+54.96	SHOULDER PAVED	RT	11563		444.50					
		17+54.96 to 21+55.89	SHOULDER PAVED	LT	11629		518.60					
		17+54.96 to 69+75.26	SHOULDER PAVED	RT	11547		4460.00					
		30+32.33 to 56+97.89	SHOULDER PAVED	LT	55261		1860.40					
		66+24.04 to 69+75.26	SHOULDER PAVED	LT	11608		455.30					
		70+75.26 to 74+75.26	SHOULDER PAVED	LT	11603		518.50					
		70+75.26 to 74+75.26	SHOULDER PAVED	RT	11558		444.40					
		75+75.26 to 79+75.42	SHOULDER PAVED	LT	11598		519.00					
		75+75.26 to 87+30.22	SHOULDER PAVED	RT	46761		766.80					
		87+30.22 to 90+32.53	EAST RAMP, SHOULDER PAVED	RT	55139		131.80					
		88+97.55 to 115+63.11	SHOULDER PAVED	LT	57630		2047.00					
		90+32.53 to 114+37.60	SHOULDER PAVED	RT	55212		2559.50					
		114+37.60 to 117+30.44	WEST RAMP, Shoulder paved	RT	55233		126.50					
		200+00.00 to 210+03.48	WEST STRAIGHT AWAY	LT	58833		1115.00					
		200+00.00 to 210+03.48	WEST STRAIGHT AWAY	RT	58832		1016.90					
		238+68.48 to 249+08.58	WEST STRAIGHT AWAY		58852		2406.00					
		400+86.74 to 410+40.23	EAST STRAIGHT AWAY		58888		2393.80					
		439+05.23 to 449+45.46	EAST STRAIGHT AWAY		58872		2394.10					

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-3

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION				P	F	P	F		
0285-706	OPTIONAL BASE, BASE GROUP 06	210+03.48 to 214+52.36	SHOULDER PAVED	LT	57785		562.40		45444			
		235+02.03 to 238+68.48	SHOULDER PAVED	LT	57815		470.80					
		300+00.00 to 320+53.06	BL CONST. WSR	LT & RT	47278		9547.00					
		410+40.23 to 414+51.60	SHOULDER PAVED	RT	57728		521.50					
		439+05.23 to 441+25.95	SHOULDER PAVED	RT	57718		525.10					
		500+00.00 to 520+41.61	BL CONST. ESR	LT & RT	54473		9486.10					
		600+00.58 to 613+79.07	BL CONST. ENTRANCE RD.	LT & M	45480		3372.10					
		600+00.58 to 614+01.81		M & RT	45492		3377.10					
		613+79.07 to 617+56.18	ROUNDABOUT	M	54783		1781.40					
		617+56.18 to 636+29.57		LT & M	44264		3728.00					
		617+56.18 to 636+29.57		M & RT	44278		3726.80					
		700+00.00 to 702+29.76	BL CONST. SIDE ROAD	LT & RT	54989		4481.90					
		702+29.76 to 712+27.83		LT & RT	54716		3864.00					
0285-709	OPTIONAL BASE, BASE GROUP 09	00+00.00 to 11+54.96	CL CONST. TRACK	M	47349	SY	9310.50		102426			
		12+54.96 to 16+54.96		M	6384		2874.10					
		17+54.96 to 28+65.00		M	47337		7975.80					
		28+65.00 to 58+65.22		M	57859		8642.90					
		58+65.22 to 69+75.26		M	32123		7975.80					
		70+75.26 to 74+75.26		M	6417		2874.00					
		75+75.26 to 87+30.22		M	47383		9231.70					
		87+30.22 to 117+30.44		M	57889		9935.00					
		200+00.00 to 210+03.48	BL CONST. WSAWAY	M	59180		11288.30					
		238+68.48 to 249+08.58		M	57799		10772.40					
		400+86.74 to 410+40.23	BL CONST. ESAWAY	M	57685		10772.90					
		439+05.23 to 449+45.46		M	59200		10772.90					
0334-1-12	SUPERPAVE ASPHALT CONC,TRAFFIC B	00+00.00 to 11+54.96	CL CONST. TRACK, SHOULDER PAVED	RT	47453	TN	62.86		13481		1 1/2" thickness = 165/lbs sy	
		07+92.84 to 12+54.96	SHOULDER PAVED	LT	11843		39.90				1 1/2" thickness = 165/lbs sy	
		12+54.96 to 16+54.96	SHOULDER PAVED	LT	11848		44.00				1 1/2" thickness = 165/lbs sy	
		12+54.96 to 16+54.96	SHOULDER PAVED	RT	11743		36.67				1 1/2" thickness = 165/lbs sy	
		17+54.96 to 21+55.89	SHOULDER PAVED	LT	11853		44.00				1 1/2" thickness = 165/lbs sy	
		17+54.96 to 69+54.96	SHOULDER PAVED	RT	11748		364.33				1 1/2" thickness = 165/lbs sy	
		30+32.39 to 42+09.41	SHOULDER PAVED	LT	53109		45.80				1 1/2" thickness = 165/lbs sy	
		42+09.41 to 45+20.81	SHOULDER PAVED	LT	51932		11.74				1 1/2" thickness = 165/lbs sy	
		45+20.81 to 56+97.83	SHOULDER PAVED	LT	51910		44.85				1 1/2" thickness = 165/lbs sy	
		65+52.33 to 69+75.26	SHOULDER PAVED	LT	52138		46.53				1 1/2" thickness = 165/lbs sy	
		70+75.26 to 74+75.26	SHOULDER PAVED	LT	52133		44.00				1 1/2" thickness = 165/lbs sy	
		70+75.26 to 74+75.26	SHOULDER PAVED	RT	11764		36.67				1 1/2" thickness = 165/lbs sy	
		75+75.26 to 80+47.13	SHOULDER PAVED	LT	52143		51.91				1 1/2" thickness = 165/lbs sy	
		75+75.26 to 87+30.22	SHOULDER PAVED	RT	47407		63.24				1 1/2" thickness = 165/lbs sy	
		87+30.22 to 90+32.53	EAST RAMP, SHOULDER PAVED	RT	35012		7.25				1 1/2" thickness = 165/lbs sy	
		88+97.61 to 115+64.57	SHOULDER PAVED	LT	57964		113.25				1 1/2" thickness = 165/lbs sy	
		90+32.53 to 100+53.85	SHOULDER PAVED	RT	52105		62.12				1 1/2" thickness = 165/lbs sy	
		100+53.85 to 104+06.52	SHOULDER PAVED	RT	52085		24.78				1 1/2" thickness = 165/lbs sy	
		104+06.52 to 114+37.60	SHOULDER PAVED	RT	52049		62.64				1 1/2" thickness = 165/lbs sy	
		114+37.60 to 117+30.44	WEST RAMP, SHOULDER PAVED	RT	51856		10.43				1 1/2" thickness = 165/lbs sy	
		200+00.00 to 210+03.76	WEST STRAIGHT AWAY	LT	58718		61.34				1 1/2" thickness = 165/lbs sy	
		200+00.01 to 210+03.77	WEST STRAIGHT AWAY	RT	58730		55.92				1 1/2" thickness = 165/lbs sy	
		238+68.48 to 249+08.58	WEST STRAIGHT AWAY		58752		132.31				1 1/2" thickness = 165/lbs sy	
		400+86.74 to 410+40.23	EAST STRAIGHT AWAY		58814		147.82				1 1/2" thickness = 165/lbs sy	
		439+05.23 to 449+45.46	EAST STRAIGHT AWAY		58786		131.61				1 1/2" thickness = 165/lbs sy	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-4

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION				P	F	P	F		
0334-1-12	SUPERPAVE ASPHALT CONC,TRAFFIC B	00+00.00 to 11+54.96	CL CONST. TRACK	M	11893	TN	1522.13				3" thickness = 330/lbs sy	
		12+54.96 to 16+75.26		M	11903		469.34				3" thickness = 330/lbs sy	
		17+75.26 to 28+65.00		M	11908		1302.45				3" thickness = 330/lbs sy	
		28+65.00 to 58+65.22		M	10001		1336.69				3" thickness = 330/lbs sy	
		58+65.22 to 69+75.26		M	11914		1302.45				3" thickness = 330/lbs sy	
		70+75.26 to 74+75.26		M	11919		469.34				3" thickness = 330/lbs sy	
		75+75.26 to 87+30.22		M	11924		1509.12				3" thickness = 330/lbs sy	
		87+30.22 to 90+32.53	EAST RAMP	M	51703		35.61				3" thickness = 330/lbs sy	
		87+30.22 to 117+30.44		M	9982		1336.68				3" thickness = 330/lbs sy	
		114+37.60 to 117+30.44	WEST RAMP	M	51695		35.48				3" thickness = 330/lbs sy	
		200+00.00 to 207+82.76	BL CONST. WSAWAY	M	59217		567.97				3" thickness = 330/lbs sy	
		207+82.76 to 210+03.48		M	58021		57.93				3" thickness = 330/lbs sy	
		238+68.48 to 240+89.20		M	51681		56.14				3" thickness = 330/lbs sy	
		240+89.20 to 249+08.58		M	59235		539.22				3" thickness = 330/lbs sy	
		400+86.74 to 408+19.51	BL CONST. ESAWAY	M	59254		539.25				3" thickness = 330/lbs sy	
		408+19.51 to 410+40.23		M	51685		57.93				3" thickness = 330/lbs sy	
		439+05.23 to 441+25.95		M	51673		57.93				3" thickness = 330/lbs sy	
		441+25.92 to 449+45.46		M	59243		539.25				3" thickness = 330/lbs sy	
0337-7-25	ASPHALT CONCRETE FRICTION COURSE-INC	00+00.00 to 11+54.96	CL CONST.TRACK	M	47519	TN	377.02		4155		3/4" thickness =80/lbs sy	
	BIT,FC-5, PG76-22	12+54.96 to 16+75.26		M	13397		115.92				3/4" thickness =80/lbs sy	
		17+75.26 to 28+65.00		M	13402		323.33				3/4" thickness =80/lbs sy	
		28+65.00 to 58+65.22		M	13408		343.12				3/4" thickness =80/lbs sy	
		58+65.22 to 69+75.26		M	47507		323.33				3/4" thickness =80/lbs sy	
		70+75.26 to 74+75.26		M	13419		116.51				3/4" thickness =80/lbs sy	
		75+75.26 to 87+30.22		M	47498		373.86				3/4" thickness =80/lbs sy	
		87+30.21 to 117+30.43		M	51432		395.23				3/4" thickness =80/lbs sy	
		200+00.00 to 207+82.76	BL CONST. WSAWAY	M	58354		419.37				3/4" thickness =80/lbs sy	
		207+82.76 to 210+03.48		M	51451		42.56				3/4" thickness =80/lbs sy	
		238+68.48 to 240+89.20		M	50883		42.56				3/4" thickness =80/lbs sy	
		240+89.20 to 249+08.58		M	58685		398.99				3/4" thickness =80/lbs sy	
		400+86.74 to 408+19.51	BL CONST. ESAWAY	M	58701		398.97				3/4" thickness =80/lbs sy	
		408+19.51 to 410+40.23		M	50882		42.56				3/4" thickness =80/lbs sy	
		439+05.23 to 441+25.95		M	50914		42.56				3/4" thickness =80/lbs sy	
		441+25.95 to 449+45.46		M	58693		398.96				3/4" thickness =80/lbs sy	
0337-7-81	ASPHALT CONCRETE FRICTION COURSE	210+03.48 to 214+52.31	WEST STRAIGHT AWAY	LT	51558		61.87		4124		2" thickness = 220/lbs sy	
	FC-12.5, PG76-22	235+02.08 to 238+68.48	WEST STRAIGHT AWAY	LT	51580		53.02				2" thickness = 220/lbs sy	
											2" thickness = 220/lbs sy	
		300+00.00 to 320+53.06	BL CONST. WSR	LT & RT	53081		759.98				2" thickness = 220/lbs sy	
											2" thickness = 220/lbs sy	
		410+40.23 to 414+51.56	EAST STRAIGHT AWAY	RT	58163		21.48				2" thickness = 220/lbs sy	
		434+89.88 to 439+05.23	EAST STRAIGHT AWAY	RT	47737		61.26				2" thickness = 220/lbs sy	
											2" thickness = 220/lbs sy	
		500+00.00 to 520+41.61	BL CONST. ESR	LT & RT	47715		748.19				2" thickness = 220/lbs sy	
		600+00.58 to 613+79.24	BL ENTRANCE ROAD	LT	23289		381.56				2" thickness = 220/lbs sy	
		600+00.58 to 614+01.82		RT	23300		382.36					
		613+79.24 to 617+56.18	ROUNDABOUT	M	53007		147.18				2" thickness = 220/lbs sy	
		617+56.18 to 636+29.57		LT	44384		410.01				2" thickness = 220/lbs sy	
		617+56.18 to 636+29.57		RT	44398		409.95				2" thickness = 220/lbs sy	
											2" thickness = 220/lbs sy	
		700+00.00 to 702+29.76	BL SIDE ROAD	LT & RT	36320		370.85				2" thickness = 220/lbs sy	
		702+29.80 to 712+27.83		M	52132		315.80				2" thickness = 220/lbs sy	
0350-30-5	CONCRETE PAVEMENT	615+05.42 to 616+68.93	ROUNDABOUT APRON	LT		SY	406.13		812		8" thickness	
		615+05.43 to 616+68.94	ROUNDABOUT APRON	RT		SY	406.17				8" thickness	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
SQ-5

SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT

LOCATION	SIDE	AREA ID	THICK (IN)	UNDER GUARDRAIL 0339 1 TN		CRASH CUSHION 0339 1 TN		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.				P	F	P	F		
10+25.07 to 11+54.96	RT	37973	2	3.73					
12+54.96 to 13+84.87	RT	38041	2	3.73					
15+25.05 to 16+54.96	RT	38109	2	3.73					
17+54.97 to 18+84.87	RT	38177	2	3.73					
31+70.09 to 55+57.92	LT	46812	2	41.37					
68+45.37 to 69+75.26	RT	38245	2	3.73					
70+75.26 to 72+05.26	RT	38313	2	3.73					
73+45.37 to 74+75.26	RT	37905	2	3.73					
75+75.26 to 77+05.26	RT	37828	2	3.73					
90+35.69 to 100+77.51	LT	17970	2	36.04					
99+42.82 to 100+84.56	RT	17961	2	6.35					
103+73.08 to 105+14.89	RT	17952	2	6.35					
103+83.15 to 114+24.87	LT	17943	2	36.04					
200+00.00 to 214+50.79	LT	45984	2	48.37					
218+23.99 to 218+46.49	LT	18004	2			0.75			
230+88.19 to 231+10.69	LT	17999	2			0.75			
235+02.03 to 248+28.70	LT	46000	2	44.18					
300+00.00 to 320+53.06	LT	45991	2	68.55					
401+20.0 to 402+49.89	RT	58196	2	2.93					
418+42.94 to 418+65.44	RT	17979	2			0.75			
431+07.19 to 431+29.69	RT	17984	2			0.75			
635+52.05 to 636+03.53	LT	45959	2	8.87					
635+52.02 to 636+03.53	RT	45945	2	8.87					
700+00.00 to 706+01.85	RT	45970	2	21.42					
SUB-TOTAL:				359		3			
TOTAL:				359		1			
GRAND TOTAL:				360					

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P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-6

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	QUANTITY DEDUCTIONS TYPE	QUANTITY DEDUCTIONS LENGTH	QUANTITY NET LENGTH P	QUANTITY NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
0520-1-10	CONCRETE CURB & GUTTER, TYPE F	600+01.26 to 630+24.49	LT		LF	3096.04	N/A	N/A	3096.04		8788		LENGTH MEASURED FROM PLAN	
		600+03.14 to 636+29.57	RT			3710.49	N/A	N/A	3710.50				LENGTH MEASURED FROM PLAN	
		613+79.07 to 614+92.41				281.06	N/A	N/A	281.06				ROUNDABOUT TRAFFIC ISLAND	
		616+84.71 to 617+50.71				196.68	N/A	N/A	196.68				ROUNDABOUT TRAFFIC ISLAND	
		632+40.49 to 636+29.57	LT			390.08	N/A	N/A	389.08					
								N/A						
		707+82.73 to 712+26.33	RT			522.56	N/A	N/A	522.56				LENGTH MEASURED FROM PLAN	
		708+37.59 to 712+26.33	LT			418.78	N/A	N/A	418.80				LENGTH MEASURED FROM PLAN	
		711+73.53 to 712+26.33	RT			173.26	N/A	N/A	173.26				LENGTH MEASURED FROM PLAN	
0520-2-08	CONCRETE CURB , TYPE RA	615+03.17 to 616+70.43			LF	527.79	N/A	N/A	527.79		528		ROUNDABOUT	
0520-6	SHOULDER GUTTER - CONCRETE	91+30.00 to 100+84.53	RT		LF	952.49	N/A	N/A	952.49		1834		LENGTH MEASURED FROM PLAN	
		103+76.14 to 112+60.00	RT			881.82	N/A	N/A	881.80				LENGTH MEASURED FROM PLAN	
520-2-4	CONCRETE CURB, TYPE D	ROUNDABOUT	MED		LF	415.0			415.0		415		LENGTH MEASURED FROM PLAN	

SUMMARY OF PERMANENT BARRIER WALL

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
521-1	MEDIAN CONCRETE BARRIER WALL	218+46.49 to 221+58.44	LT	LF	311.95		2083		LENGTH MEASURED FROM PLAN	
		221+58.44 to 226+58.44	LT	LF	400.00				LENGTH MEASURED FROM PLAN	
		227+58.44 to 230+88.19	LT	LF	329.75				LENGTH MEASURED FROM PLAN	
		418+65.44 to 421+95.19	RT	LF	329.75				LENGTH MEASURED FROM PLAN	
		422+95.19 to 426+95.19	RT	LF	400.00				LENGTH MEASURED FROM PLAN	
		427+95.19 to 431+07.19	RT	LF	312.00					
521-72-3	SHOULDER CONCRETE BARRIER WALL, RIGID-SHOULDER	397+70.63 to 398+80.61	LT	LF	114.17		280		LENGTH MEASURED FROM PLAN	
		398+53.15 to 401+20.00	RT	LF	166.06				LENGTH MEASURED FROM PLAN	

SUMMARY OF RAILING

LOCATION STA. TO STA.	SIDE	CONCRETE TRAFFIC RAILING- WITH JUNCTION SLAB 0521 8 2 LF P	CONCRETE TRAFFIC RAILING- WITH JUNCTION SLAB 0521 8 2 LF F	DESIGN NOTES	CONSTRUCTION REMARKS
100+74.63 to 103+86.04	LT	323.72		LENGTH MEASURED FROM PLAN	
100+82.58 to 103+78.08	RT	291.25		LENGTH MEASURED FROM PLAN	
SUB-TOTAL:		615			
TOTAL:		615			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-7

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SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 0522 1 SY P	CONC SIDEWALK 4" 0522 1 SY F	DETECTABLE WARNINGS 0527 2 SF P	DETECTABLE WARNINGS 0527 2 SF F	DESIGN NOTES	CONSTRUCTION REMARKS
600+04.97 to 630+24.49	LT	41724			2014.50		8.0			
600+06.04 to 632+40.49	RT	41727			2141.40		16.0			
711+83.88 to 712+22.83	RT	41976			71.20		8.0			
711+95.54 to 712+25.83	LT	42026			76.00		16.0			
712+02.27 to 712+04.98	RT	52452			12.9		20.0			
				SUB-TOTAL:	4316.00		68.0			
				TOTAL:	4316.00		68.0			

SUMMARY OF GUARDRAIL

LOCATION STA. TO STA.	SIDE	GUARDRAIL 0536 1 1 LF P	GUARDRAIL 0536 1 1 LF F	BRIDGE ANCHORAGE ASSEMBLY 0536 8 EA P	BRIDGE ANCHORAGE ASSEMBLY 0536 8 EA F	BRIDGE ANCHORAGE ASSEMBLY 0536 8 13 EA P	BRIDGE ANCHORAGE ASSEMBLY 0536 8 13 EA F	END ANCHORAGE ASSEMBLY 0536 85 22 EA P	END ANCHORAGE ASSEMBLY 0536 85 22 EA F	RUB RAIL 0536 5 A LF P	RUB RAIL 0536 5 A LF F	DESIGN NOTES	CONSTRUCTION REMARKS
10+35.33 to 11+54.95	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
12+54.97 to 13+74.59	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
15+35.33 to 16+54.95	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
31+79.94 to 55+48.31	RT	2458.63						2				LENGTH MEASURED FROM PLAN	
17+54.96 to 18+74.59	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
68+55.63 to 69+75.25	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
70+76.94 to 71+94.89	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
73+55.63 to 74+75.25	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
75+75.27 to 76+94.89	RT	119.78				1		1				LENGTH MEASURED FROM PLAN	
90+45.20 to 100+74.62	LT	1068.31		1				1				LENGTH MEASURED FROM PLAN	
99+52.08 to 100+82.58	RT	128.83		1				1				LENGTH MEASURED FROM PLAN	
103+75.00 to 105+05.95	RT	129.22		1				1				LENGTH MEASURED FROM PLAN	
103+86.04 to 114+16.54	LT	1070.07		1				1				LENGTH MEASURED FROM PLAN	
200+00.00 to 212.94.26	LT	1294.31										LENGTH MEASURED FROM PLAN	
212+94.26 to 236+60.12	LT	2369.91						1				LENGTH MEASURED FROM PLAN	
236+60.12 to 248+18.70	LT	1158.8										LENGTH MEASURED FROM PLAN	
401+20.00 to 402+39.12	RT	119.9						1				LENGTH MEASURED FROM PLAN	
700+00 to 705+90.60	RT	621.04						1				LENGTH MEASURED FROM PLAN	
	SUB-TOTAL:	11377.2		4		8		17					
	TOTAL:	11377		4		8		17					

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REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 56855
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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-8

SUMMARY OF PERMANENT CRASH CUSHIONS

LOCATION STATION	SIDE	BARRIER SYSTEM		DESIGN LENGTH	DESIGN SPEED	CRASH TEST LEVEL	HAZARD WIDTH	LENGTH RESTRICTION	CRASH CUSHION 0544 75 1		DESIGN NOTES	CONSTRUCTION REMARKS
		CONCRETE BARRIER WALL	GUARDRAIL	FT	MPH	TL-2 / TL-3	IN	FT	P	F		
218+46.49	LT	1		16.0	75	TL-3			1			
230+88.19	LT	1		16.0	75	TL-3			1			
418+65.44	RT	1		16.0	75	TL-3			1			
431+07.19	RT	1		16.0	75	TL-3			1			
								SUB-TOTAL:	4			
								TOTAL:	4			

SUMMARY OF FENCING

PAY ITEM NO.	DESCRIPTION	LOCATION DISTANCE FROM CL	SIDE	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
550-10-220	FENCING, TYPE B, 5.1'-6.0', STANDARD	WSA WAY (OFFSET VARIES 40.8' TO 123.6')	LT	LF	5288.00		13675			
		TRACK (NORTH CURVE)	LT	LF	2171.84					
		TRACK (SOUTH CURVE)	LT	LF	1092.86					
		ESA WAY (OFFSET VARIES 58.54' TO 221.59	RT	LF	5122.59					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-9

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

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.			SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF 0570 1 1 SY P	PERFORMANCE TURF 0570 1 1 SY F	PERFORMANCE TURF (SOD) 0570 1 2 SY P	PERFORMANCE TURF (SOD) 0570 1 2 SY F	PLASTIC EROSION MAT 0571 1 AB SY P	PLASTIC EROSION MAT 0571 1 AB SY F	PREPARED SOIL LAYER 0162 1 AB SY P	PREPARED SOIL LAYER 0162 1 AB SY F	DESIGN NOTES	CONSTRUCTION REMARKS
0+00.00	to	117+30.44	RT		N/A	N/A			137504						TRACK	
30+67.22	to	56+82.37	LT		N/A	N/A	44990.0								TRACK	
89+87.48	to	101+74.51	LT		N/A	N/A	2588.5								TRACK	
102+49.57	to	114+75.33	LT		N/A	N/A	14133.4								TRACK	
200+00.00	to	248+28.69	LT		N/A	N/A	27989.7								WSAWAY	
248+28.69	to	248+90.00	M		N/A	N/A	6523.3								WSAWAY	
397+15.43	to	401+32.50	M		N/A	N/A	5555.7								ESAWAY	
401+32.50	to	448+31.52	RT		N/A	N/A	54692.4								ESAWAY	
448+31.52	to	449+45.46	M		N/A	N/A	6388.3								ESAWAY	
600+00.00	to	631+18.21	LT		N/A	N/A	7695.0		1583.1						ENTRANCE RD	
600+00.00	to	632+25.71	RT		N/A	N/A	7556.4		1631.8						ENTRANCE RD	
600+70.24	to	614+84.92	LT & RT		N/A	N/A	5041.5		1270.4						ENTRANCE RD	
615+21.67	to	616+52.68	M		N/A	N/A			1520.5						ENTRANCE RD (ROUNDABOUT)	
616+89.43	to	617+48.46	M		N/A	N/A			153.6						ENTRANCE RD (ISLAND)	
632+24.71	to	634+61.67	LT		N/A	N/A	346.1								ENTRANCE RD	
632+25.71	to	635+52.02	RT		N/A	N/A	1380.4								ENTRANCE RD	
700+00.00	to	707+88.30	RT		N/A	N/A			3525.0						SIDE RD	
707+88.30	to	711+79.68	RT		N/A	N/A	1838.9								SIDE RD	
711+74.02	to	712+26.32	RT		N/A	N/A			108.3						SIDE RD (ISLANDS)	
POND 1									29072.2						POND 1	
POND 2									40067.4						POND 2	
DRAINAGE STRUCTURES (MES)									710.0							
SUB-TOTAL:							186720		217146							
TOTAL:							186720		217146							

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF QUANTITIES

SHEET NO. SQ-10

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-1A	6+00.00	LT.	Manhole, Pipe	1										85										
F																									
P	S-1	304+00.00	RT.	Inlet, Pipe	1		100																		
F																									
P	S-2A	6+00.00	RT.	MES	1																				
F																									
P	S-2	8+48.32	RT.	MES	1																				
F																									
P	S-3	308+60.50	RT.	Inlet, Pipe	1		123																		
F																									
P	S-4	13+07.68	RT.	MES	1																				
F																									
P	S-5	310+98.00	RT.	Inlet, Pipe	1		125																		
F																									
P	S-5A	22+00.00	LT.	Manhole, Pipe	1		87																		
F																									
P	S-6	15+44.25	RT.	MES	1																				
F																									
P	S-6A	22+00.00	RT.	MES	1																				
F																									
P	S-7	25+55.05	LT.	Manhole, Pipe	1										217										
F																									
P	S-8	24+99.01	RT.	Manhole																					
F																									
P	S-9	36+00.00	LT.	Inlet, Pipe	1		104																		
F																									
P	S-10	36+00.13	RT.	MES	1																				
F																									
P	S-11	37+00.00	LT.	Inlet, Pipe	1		124																		
F																									
P	S-12	37+00.83	RT.	MES	1																				
F																									
P	S-13	52+00.00	LT.	Inlet, Pipe	1		110																		
F																									
P	S-14	52+01.26	RT.	MES	1																				
Sheet Summary				P Total		0	773	0	0	0	0	217	0	0	85	0	0	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 38

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS																GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
P	S-1A	6+00.00	LT.	Manhole, Pipe	1			1																					
F																													
P	S-1	304+00.00	RT.	Inlet, Pipe	1																1								
F																													
P	S-2A	6+00.00	RT.	MES	1																								
F																													
P	S-2	8+48.32	RT.	MES	1																								
F																													
P	S-3	308+60.50	RT.	Inlet, Pipe	1																1								
F																													
P	S-4	13+07.68	RT.	MES	1																								
F																													
P	S-5	310+98.00	RT.	Inlet, Pipe	1																1								
F																													
P	S-5A	22+00.00	LT.	Manhole, Pipe	1			1																					
F																													
P	S-6	15+44.25	RT.	MES	1																								
F																													
P	S-6A	22+00.00	RT.	MES	1																								
F																													
P	S-7	25+55.05	LT.	Manhole, Pipe	1					1																			
F																													
P	S-8	24+99.01	RT.	Manhole							1																		
F																													
P	S-9	36+00.00	LT.	Inlet, Pipe	1							1																	
F																													
P	S-10	36+00.13	RT.	MES	1																								
F																													
P	S-11	37+00.00	LT.	Inlet, Pipe	1							1																	
F																													
P	S-12	37+00.83	RT.	MES	1																								
F																													
P	S-13	52+00.00	LT.	Inlet, Pipe	1							1																	
F																													
P	S-14	52+01.26	RT.	MES	1																								
Sheet Summary				P Total		0	0	2	0	1	1	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 39

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
P	S-1A	6+00.00	LT.	Manhole, Pipe	1										Eccentric Cone
F															
P	S-1	304+00.00	RT.	Inlet, Pipe	1										
F															
P	S-2A	6+00.00	RT.	MES	1						1	24.00			
F															
P	S-2	8+48.32	RT.	MES	1	1						25.00			
F															
P	S-3	308+60.50	RT.	Inlet, Pipe	1										
F															
P	S-4	13+07.68	RT.	MES	1	1						25.00			
F															
P	S-5	310+98.00	RT.	Inlet, Pipe	1										
F															
P	S-5A	22+00.00	LT.	Manhole, Pipe	1										Eccentric Cone
F															
P	S-6	15+44.25	RT.	MES	1	1						25.00			
F															
P	S-6A	22+00.00	RT.	MES	1	1						25.00			
F															
P	S-7	25+55.05	LT.	Manhole, Pipe	1										
F															
P	S-8	24+99.01	RT.	Manhole											
F															
P	S-9	36+00.00	LT.	Inlet, Pipe	1										
F															
P	S-10	36+00.13	RT.	MES	1	1						25.00			
F															
P	S-11	37+00.00	LT.	Inlet, Pipe	1										
F															
P	S-12	37+00.83	RT.	MES	1	1						25.00			
F															
P	S-13	52+00.00	LT.	Inlet, Pipe	1										
F															
P	S-14	52+01.26	RT.	MES	1	1						25.00			
Sheet Summary				P Total		7	0	0	0	0	1	199	0	0	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 40

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
F																									
P	S-15	55+00.00	LT.	Inlet, Pipe	1		61																		
F																									
P	S-16	55+00.63	RT.	MES	1																				
F																									
P	S-17	65+00.00	RT.	Inlet, Pipe	1								294												
F																									
P	S-17A	65+00.00	LT.	Manhole, Pipe	1		97																		
F																									
P	S-18	516+52.75	LT.	Inlet, Pipe	1		127																		
F																									
P	S-19	68+00.00	RT.	Inlet, Pipe	1								124												
F																									
P	S-20	515+20.00	LT.	Inlet, Pipe	1								195												
F																									
P	S-21	67+58.27	LT.	Manhole, Pipe	1								396												
F																									
P	S-22	68+29.66	LT.	Manhole, Pipe	1								129												
F																									
P	S-23	67+91.55	LT.	Manhole, Pipe	1								32												
F																									
P	S-24	67+52.78	LT.	MES	1																				
F																									
P	S-25	511+92.61	LT.	Inlet, Pipe	1		226																		
F																									
P	S-26	511+89.85	RT.	MES	1																				
F																									
P	S-27	509+98.86	LT.	Inlet, Pipe	1		224																		
F																									
P	S-28	509+96.12	RT.	MES	1																				
F																									
P	S-29	75+00.00	RT.	Inlet, Pipe	1					125															
F																									
P	S-30	76+27.93	RT.	Inlet, Pipe	1					146															
F																									
Sheet Summary				P Total		0	735	0	0	271	0	0	1170	0	0	0	0	0	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 41

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS															GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
F																												
P	S-15	55+00.00	LT.	Inlet, Pipe	1							1																
F																												
P	S-16	55+00.63	RT.	MES	1																							
F																												
P	S-17	65+00.00	RT.	Inlet, Pipe	1																					1		
F																												
P	S-17A	65+00.00	LT.	Manhole, Pipe	1			1																				
F																												
P	S-18	516+52.75	LT.	Inlet, Pipe	1																1							
F																												
P	S-19	68+00.00	RT.	Inlet, Pipe	1															1								
F																												
P	S-20	515+20.00	LT.	Inlet, Pipe	1																	1						
F																												
P	S-21	67+58.27	LT.	Manhole, Pipe	1						1																	
F																												
P	S-22	68+29.66	LT.	Manhole, Pipe	1						1																	
F																												
P	S-23	67+91.55	LT.	Manhole, Pipe	1						1																	
F																												
P	S-24	67+52.78	LT.	MES	1																							
F																												
P	S-25	511+92.61	LT.	Inlet, Pipe	1																1							
F																												
P	S-26	511+89.85	RT.	MES	1																							
F																												
P	S-27	509+98.86	LT.	Inlet, Pipe	1																1							
F																												
P	S-28	509+96.12	RT.	MES	1																							
F																												
P	S-29	75+00.00	RT.	Inlet, Pipe	1																	1						
F																												
P	S-30	76+27.93	RT.	Inlet, Pipe	1																				1			
F																												
Sheet Summary				P Total		0	0	1	0	0	3	1	0	0	0	0	0	0	0	1	3	1	1	0	0	1	1	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 42

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
F															
P	S-15	55+00.00	LT.	Inlet, Pipe	1										
F															
P	S-16	55+00.63	RT.	MES	1	1						25.00			
F															
P	S-17	65+00.00	RT.	Inlet, Pipe	1										
F															
P	S-17A	65+00.00	LT.	Manhole, Pipe	1										Eccentric Cone
F															
P	S-18	516+52.75	LT.	Inlet, Pipe	1										
F															
P	S-19	68+00.00	RT.	Inlet, Pipe	1										
F															
P	S-20	515+20.00	LT.	Inlet, Pipe	1										
F															
P	S-21	67+58.27	LT.	Manhole, Pipe	1										
F															
P	S-22	68+29.66	LT.	Manhole, Pipe	1										
F															
P	S-23	67+91.55	LT.	Manhole, Pipe	1										
F															
P	S-24	67+52.78	LT.	MES	1				1			36.00			
F															
P	S-25	511+92.61	LT.	Inlet, Pipe	1										
F															
P	S-26	511+89.85	RT.	MES	1	1						22.00			
F															
P	S-27	509+98.86	LT.	Inlet, Pipe	1										
F															
P	S-28	509+96.12	RT.	MES	1	1						22.00			
F															
P	S-29	75+00.00	RT.	Inlet, Pipe	1										
F															
P	S-30	76+27.93	RT.	Inlet, Pipe	1										
F															
Sheet Summary				P Total		3	0	0	1	0	0	105	0	0	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 43

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-30A	81+00.00	RT.	MES	1																				
F																									
P	S-31	506+92.22	LT.	Inlet, Pipe	1					214															
F																									
P	S-31A	81+00.00	LT.	Manhole, Pipe	1		93																		
F																									
P	S-32	76+63.44	LT.	MES	1																				
F																									
P	S-33	79+00.00	RT.	EW, Pipe	2			24																	
F																									
P	S-34	79+00.00	RT.	Manhole, Pipe	2			778																	
F																									
P	S-35	82+94.58	RT.	Manhole, Pipe	2			376																	
F																									
P	S-35A	83+25.03	LT.	Manhole, Pipe	2			146																	
F																									
P	S-36	83+38.04	LT.	MES	2																				
F																									
P	S-37	91+37.75	RT.	Inlet, Pipe	1											35									
F																									
P	S-38	91+30.94	RT.	MES	1																				
F																									
P	S-39	94+00.00	RT.	Inlet, Pipe	1											73									
F																									
P	S-39A	97+50.00	RT.	Inlet, Pipe	1											109									
F																									
P	S-40	93+87.97	RT.	MES	1																				
F																									
P	S-40A	97+50.00	RT.	MES	1																				
F																									
P	S-41	100+00.00	RT.	Inlet, Pipe	1											128									
F																									
P	S-41A	105+00.00	RT.	Inlet, Pipe	1											128									
F																									
P	S-42	100+00.00	RT.	MES	1																				
Sheet Summary				P Total		0	93	1322	0	214	0	0	0	0	0	473	0	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 44

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS															GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
P	S-30A	81+00.00	RT.	MES	1																							
F																												
P	S-31	506+92.22	LT.	Inlet, Pipe	1																	1						
F																												
P	S-31A	81+00.00	LT.	Manhole, Pipe	1			1																				
F																												
P	S-32	76+63.44	LT.	MES	1																							
F																												
P	S-33	79+00.00	RT.	EW, Pipe	2																							
F																												
P	S-34	79+00.00	RT.	Manhole, Pipe	2					1																		
F																												
P	S-35	82+94.58	RT.	Manhole, Pipe	2					1																		
F																												
P	S-35A	83+25.03	LT.	Manhole, Pipe	2						1																	
F																												
P	S-36	83+38.04	LT.	MES	2																							
F																												
P	S-37	91+37.75	RT.	Inlet, Pipe	1																						1	
F																												
P	S-38	91+30.94	RT.	MES	1																							
F																												
P	S-39	94+00.00	RT.	Inlet, Pipe	1																						1	
F																												
P	S-39A	97+50.00	RT.	Inlet, Pipe	1																						1	
F																												
P	S-40	93+87.97	RT.	MES	1																							
F																												
P	S-40A	97+50.00	RT.	MES	1																							
F																												
P	S-41	100+00.00	RT.	Inlet, Pipe	1																						1	
F																												
P	S-41A	105+00.00	RT.	Inlet, Pipe	1																						1	
F																												
P	S-42	100+00.00	RT.	MES	1																							
Sheet Summary				P Total		0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 45

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
P	S-30A	81+00.00	RT.	MES	1	1						25.00			
F															
P	S-31	506+92.22	LT.	Inlet, Pipe	1										
F															
P	S-31A	81+00.00	LT.	Manhole, Pipe	1										Eccentric Cone
F															
P	S-32	76+63.44	LT.	MES	1			1				28.00			
F															
P	S-33	79+00.00	RT.	EW, Pipe	2								2.82		
F															
P	S-34	79+00.00	RT.	Manhole, Pipe	2										
F															
P	S-35	82+94.58	RT.	Manhole, Pipe	2										
F															
P	S-35A	83+25.03	LT.	Manhole, Pipe	2										
F															
P	S-36	83+38.04	LT.	MES	2		1					32.00			
F															
P	S-37	91+37.75	RT.	Inlet, Pipe	1										
F															
P	S-38	91+30.94	RT.	MES	1	1						25.00		31.00	
F															
P	S-39	94+00.00	RT.	Inlet, Pipe	1										
F															
P	S-39A	97+50.00	RT.	Inlet, Pipe	1										
F															
P	S-40	93+87.97	RT.	MES	1	1						25.00		31.00	
F															
P	S-40A	97+50.00	RT.	MES	1	1						25.00		31.00	
F															
P	S-41	100+00.00	RT.	Inlet, Pipe	1										
F															
P	S-41A	105+00.00	RT.	Inlet, Pipe	1										
F															
P	S-42	100+00.00	RT.	MES	1	1						25.00		31.00	
Sheet Summary				P Total		5	1	1	0	0	0	185	2.82	124	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 46

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
F																									
P	S-42A	105+00.00	RT.	MES	1																				
F																									
P	S-43	108+00.00	RT.	Inlet, Pipe	1											97									
F																									
P	S-44	108+12.17	RT.	MES	1																				
F																									
P	S-45	109+50.00	LT.	Inlet, Pipe	1		208																		
F																									
P	S-46	109+81.26	RT.	MES	1																				
F																									
P	S-47	110+00.00	RT.	Inlet, Pipe	1											73									
F																									
P	S-48	110+12.23	RT.	MES	1																				
F																									
P	S-49	112+52.25	RT.	Inlet, Pipe	1											35									
F																									
P	S-50	112+60.14	RT.	MES	1																				
F																									
P	S-100	601+47.95	LT.	Inlet, Pipe	1		79															1			
F																									
P	S-101	601+47.95	RT.	Inlet, Pipe	1			229														1			
F																									
P	S-102	603+80.00	RT.	Manhole, Pipe	1				297																
F																									
P	S-103	606+80.00	LT.	Inlet, Pipe	1		79											1							
F																									
P	S-104	606+80.00	RT.	Inlet, Pipe	1				297									1							
F																									
P	S-105	609+80.00	LT.	Inlet, Pipe	1		79											1							
F																									
P	S-106	609+80.00	RT.	Inlet, Pipe	1					227								1							
F																									
P	S-107	612+06.44	LT.	Inlet, Pipe	1		69															1			
F																									
Sheet Summary				P Total		0	514	229	594	227	0	0	0	0	0	205	0	4	0	0	0	3	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 47

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS																GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
F																													
P	S-42A	105+00.00	RT.	MES	1																								
F																													
P	S-43	108+00.00	RT.	Inlet, Pipe	1																							1	
F																													
P	S-44	108+12.17	RT.	MES	1																								
F																													
P	S-45	109+50.00	LT.	Inlet, Pipe	1							1																	
F																													
P	S-46	109+81.26	RT.	MES	1																								
F																													
P	S-47	110+00.00	RT.	Inlet, Pipe	1																							1	
F																													
P	S-48	110+12.23	RT.	MES	1																								
F																													
P	S-49	112+52.25	RT.	Inlet, Pipe	1																							1	
F																													
P	S-50	112+60.14	RT.	MES	1																								
F																													
P	S-100	601+47.95	LT.	Inlet, Pipe	1																								
F																													
P	S-101	601+47.95	RT.	Inlet, Pipe	1																								
F																													
P	S-102	603+80.00	RT.	Manhole, Pipe	1			1																					
F																													
P	S-103	606+80.00	LT.	Inlet, Pipe	1																								
F																													
P	S-104	606+80.00	RT.	Inlet, Pipe	1																								
F																													
P	S-105	609+80.00	LT.	Inlet, Pipe	1																								
F																													
P	S-106	609+80.00	RT.	Inlet, Pipe	1																								
F																													
P	S-107	612+06.44	LT.	Inlet, Pipe	1																								
F																													
Sheet Summary	P Total					0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 48

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
F															
P	S-42A	105+00.00	RT.	MES	1	1						25.00		31.00	
F															
P	S-43	108+00.00	RT.	Inlet, Pipe	1										
F															
P	S-44	108+12.17	RT.	MES	1	1						25.00		31.00	
F															
P	S-45	109+50.00	LT.	Inlet, Pipe	1										
F															
P	S-46	109+81.26	RT.	MES	1	1						25.00			
F															
P	S-47	110+00.00	RT.	Inlet, Pipe	1										
F															
P	S-48	110+12.23	RT.	MES	1	1						25.00		31.00	
F															
P	S-49	112+52.25	RT.	Inlet, Pipe	1										
F															
P	S-50	112+60.14	RT.	MES	1	1						25.00		31.00	
F															
P	S-100	601+47.95	LT.	Inlet, Pipe	1										
F															
P	S-101	601+47.95	RT.	Inlet, Pipe	1										
F															
P	S-102	603+80.00	RT.	Manhole, Pipe	1										
F															
P	S-103	606+80.00	LT.	Inlet, Pipe	1										
F															
P	S-104	606+80.00	RT.	Inlet, Pipe	1										
F															
P	S-105	609+80.00	LT.	Inlet, Pipe	1										
F															
P	S-106	609+80.00	RT.	Inlet, Pipe	1										
F															
P	S-107	612+06.44	LT.	Inlet, Pipe	1										
F															
Sheet Summary				P Total		5	0	0	0	0	0	125	0	124	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 49

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-108	612+06.44	RT.	Inlet, Pipe	1					71												1			
F																									
P	S-109	612+80.00	LT.	Inlet, Pipe	1		77											1							
F																									
P	S-110	612+80.00	RT.	Inlet, Pipe	1					202										1					
F																									
P	S-111	614+80.00	RT.	Manhole, Pipe	1					215															
F																									
P	S-112	616+71.28	LT.	Manhole, Pipe	1				91																
F																									
P	S-113	617+00.00	RT.	Manhole, Pipe	1					147															
F																									
P	S-114	618+50.00	LT.	Inlet, Pipe	1		35											1							
F																									
P	S-116	618+50.00	RT.	Inlet, Pipe	1					209										1					
F																									
P	S-117	620+60.44	LT.	Inlet, Pipe	1		35															1			
F																									
P	S-119	620+60.44	RT.	Inlet, Pipe	1					36														1	
F																									
P	S-120	621+00.00	LT.	Inlet, Pipe	1		34											1							
F																									
P	S-122	621+00.00	RT.	Inlet, Pipe	1						395									1					
F																									
P	S-123	625+00.00	LT.	Inlet, Pipe	1			34										1							
F																									
P	S-123A	625+00.00	LT.	Inlet, Pipe	1			25																	
F																									
P	S-125	625+00.00	RT.	Inlet, Pipe	1						295										1				
F																									
P	S-126	628+00.00	RT.	Manhole, Pipe	1						197														
F																									
P	S-127	630+00.00	LT.	Inlet, Pipe	1		34											1							
F																									
P	S-127A	630+00.00	LT.	Inlet, Pipe	1		23																		
Sheet Summary	P Total					0	238	59	91	880	887	0	0	0	0	0	0	5	0	3	1	2	0	1	0
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 50

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS																GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
P	S-108	612+06.44	RT.	Inlet, Pipe	1																								
F																													
P	S-109	612+80.00	LT.	Inlet, Pipe	1																								
F																													
P	S-110	612+80.00	RT.	Inlet, Pipe	1																								
F																													
P	S-111	614+80.00	RT.	Manhole, Pipe	1						1																		
F																													
P	S-112	616+71.28	LT.	Manhole, Pipe	1					1																			
F																													
P	S-113	617+00.00	RT.	Manhole, Pipe	1						1																		
F																													
P	S-114	618+50.00	LT.	Inlet, Pipe	1																								
F																													
P	S-116	618+50.00	RT.	Inlet, Pipe	1																								
F																													
P	S-117	620+60.44	LT.	Inlet, Pipe	1																								
F																													
P	S-119	620+60.44	RT.	Inlet, Pipe	1																								
F																													
P	S-120	621+00.00	LT.	Inlet, Pipe	1																								
F																													
P	S-122	621+00.00	RT.	Inlet, Pipe	1																								
F																													
P	S-123	625+00.00	LT.	Inlet, Pipe	1																								
F																													
P	S-123A	625+00.00	LT.	Inlet, Pipe	1											1													
F																													
P	S-125	625+00.00	RT.	Inlet, Pipe	1																								
F																													
P	S-126	628+00.00	RT.	Manhole, Pipe	1						1																		
F																													
P	S-127	630+00.00	LT.	Inlet, Pipe	1																								
F																													
P	S-127A	630+00.00	LT.	Inlet, Pipe	1											1													
Sheet Summary				P Total		0	0	0	0	1	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 51

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
P	S-108	612+06.44	RT.	Inlet, Pipe	1										
F															
P	S-109	612+80.00	LT.	Inlet, Pipe	1										
F															
P	S-110	612+80.00	RT.	Inlet, Pipe	1										
F															
P	S-111	614+80.00	RT.	Manhole, Pipe	1										
F															
P	S-112	616+71.28	LT.	Manhole, Pipe	1										
F															
P	S-113	617+00.00	RT.	Manhole, Pipe	1										
F															
P	S-114	618+50.00	LT.	Inlet, Pipe	1										
F															
P	S-116	618+50.00	RT.	Inlet, Pipe	1										
F															
P	S-117	620+60.44	LT.	Inlet, Pipe	1										
F															
P	S-119	620+60.44	RT.	Inlet, Pipe	1										
F															
P	S-120	621+00.00	LT.	Inlet, Pipe	1										
F															
P	S-122	621+00.00	RT.	Inlet, Pipe	1										
F															
P	S-123	625+00.00	LT.	Inlet, Pipe	1										
F															
P	S-123A	625+00.00	LT.	Inlet, Pipe	1										
F															
P	S-125	625+00.00	RT.	Inlet, Pipe	1										
F															
P	S-126	628+00.00	RT.	Manhole, Pipe	1										
F															
P	S-127	630+00.00	LT.	Inlet, Pipe	1										
F															
P	S-127A	630+00.00	LT.	Inlet, Pipe	1										
Sheet Summary				P Total		0	0	0	0	0	0	0	0	0	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 52

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
F																									
P	S-129	630+00.00	RT.	Inlet, Pipe	1							187									1				
F																									
P	S-130	631+91.74	RT.	Manhole, Pipe	1								54												
F																									
P	S-131	632+50.00	LT.	Inlet, Pipe	1		33											1							
F																									
P	S-133	632+50.00	RT.	Inlet, Pipe	1								43								1				
F																									
P	S-134	632+96.24	LT.	Inlet, Pipe	1		33															1			
F																									
P	S-136	632+96.24	RT.	Inlet, Pipe	1								199												1
F																									
P	S-138	635+00.00	LT.	Inlet, Pipe	1				32									1							
F																									
P	S-140	635+00.00	RT.	Inlet, Pipe	1									468							1				
F																									
P	S-147	98+00.00	LT.	Inlet, Pipe	1									231											
F																									
P	S-148	96+00.00	LT.	Inlet, Pipe	1									449											
F																									
P	S-149	92+00.00	LT.	Inlet, Pipe	1									103											
F																									
P	S-150	405+50.00	RT.	Manhole, Pipe	1									394											
F																									
P	S-151	409+50.00	RT.	Manhole, Pipe	1									347											
F																									
P	S-152	413+00.00	RT.	Manhole, Pipe	1									403											
F																									
P	S-153	417+00.00	RT.	Manhole, Pipe	1									404											
F																									
P	S-154	421+00.00	RT.	Manhole, Pipe	1									95											
F																									
P	S-155	420+83.07	RT.	MES	1																				
F																									
Sheet Summary				P Total		0	66	0	32	0	0	187	296	2894	0	0	0	2	0	0	3	1	0	0	1
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 53

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS															GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
F																												
P	S-129	630+00.00	RT.	Inlet, Pipe	1																							
F																												
P	S-130	631+91.74	RT.	Manhole, Pipe	1						1																	
F																												
P	S-131	632+50.00	LT.	Inlet, Pipe	1																							
F																												
P	S-133	632+50.00	RT.	Inlet, Pipe	1																							
F																												
P	S-134	632+96.24	LT.	Inlet, Pipe	1																							
F																												
P	S-136	632+96.24	RT.	Inlet, Pipe	1																							
F																												
P	S-138	635+00.00	LT.	Inlet, Pipe	1																							
F																												
P	S-140	635+00.00	RT.	Inlet, Pipe	1																							
F																												
P	S-147	98+00.00	LT.	Inlet, Pipe	1										1													
F																												
P	S-148	96+00.00	LT.	Inlet, Pipe	1										1													
F																												
P	S-149	92+00.00	LT.	Inlet, Pipe	1										1													
F																												
P	S-150	405+50.00	RT.	Manhole, Pipe	1						1																	
F																												
P	S-151	409+50.00	RT.	Manhole, Pipe	1						1																	
F																												
P	S-152	413+00.00	RT.	Manhole, Pipe	1						1																	
F																												
P	S-153	417+00.00	RT.	Manhole, Pipe	1						1																	
F																												
P	S-154	421+00.00	RT.	Manhole, Pipe	1						1																	
F																												
P	S-155	420+83.07	RT.	MES	1																							
F																												
Sheet Summary				P Total		0	0	0	0	0	6	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 54

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
F															
P	S-129	630+00.00	RT.	Inlet, Pipe	1										
F															
P	S-130	631+91.74	RT.	Manhole, Pipe	1										
F															
P	S-131	632+50.00	LT.	Inlet, Pipe	1										
F															
P	S-133	632+50.00	RT.	Inlet, Pipe	1										
F															
P	S-134	632+96.24	LT.	Inlet, Pipe	1										
F															
P	S-136	632+96.24	RT.	Inlet, Pipe	1										
F															
P	S-138	635+00.00	LT.	Inlet, Pipe	1										
F															
P	S-140	635+00.00	RT.	Inlet, Pipe	1										
F															
P	S-147	98+00.00	LT.	Inlet, Pipe	1										
F															
P	S-148	96+00.00	LT.	Inlet, Pipe	1										
F															
P	S-149	92+00.00	LT.	Inlet, Pipe	1										
F															
P	S-150	405+50.00	RT.	Manhole, Pipe	1										
F															
P	S-151	409+50.00	RT.	Manhole, Pipe	1										
F															
P	S-152	413+00.00	RT.	Manhole, Pipe	1										
F															
P	S-153	417+00.00	RT.	Manhole, Pipe	1										
F															
P	S-154	421+00.00	RT.	Manhole, Pipe	1										
F															
P	S-155	420+83.07	RT.	MES	1					1		38.00			
F															
Sheet Summary				P Total		0	0	0	0	1	0	38	0	0	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 55

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
P	S-156	704+00.00	RT.	Inlet, Pipe	1						303														
F																									
P	S-157	707+00.00	LT.	Manhole, Pipe	1							375													
F																									
P	S-158	707+00.00	RT.	Inlet, Pipe	1		37																		
F																									
P	S-159	710+80.00	LT.	Inlet, Pipe	1							183													1
F																									
P	S-160	710+80.00	RT.	Inlet, Pipe	1		30															1			
F																									
P	CD-1	24+19.14	RT.	EW, Pipe	1		280																		
F																									
P	CD-2	25+05.08	LT.	Manhole, Pipe	1		176																		
F																									
P	CD-3	25+22.16	LT.	MES	1																				
F																									
P	CD-4	56+00.00	RT.	EW, Pipe	2					454															
F																									
P	CD-5	442+10.00	RT.	EW	2																				
F																									
P	OCS-1	417+44.90	RT.	Inlet, Pipe	1			74																	
F																									
P	OCS-1A	416+75.61	RT.	MES	1																				
F																									
P	OCS-2	434+69.37	RT.	Inlet, Pipe	1			320																	
F																									
P	OCS-3	64+70.63	RT.	Manhole, Pipe	1			377																	
F																									
P	OCS-4	915+08.71	RT.	Manhole, Pipe	1			397																	
F																									
P	OCS-5	911+08.71	RT.	Manhole, Pipe	1			99																	
F																									
P	OCS-6	910+10.83	RT.	Manhole, Pipe	1			394																	
F																									
P	OCS-7	906+12.95	RT.	Manhole, Pipe	1			397																	
Sheet Summary				P Total		0	523	2058	0	454	303	558	0	0	0	0	0	0	0	0	0	1	0	0	1
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 56

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS																GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
P	S-156	704+00.00	RT.	Inlet, Pipe	1										1														
F																													
P	S-157	707+00.00	LT.	Manhole, Pipe	1						1																		
F																													
P	S-158	707+00.00	RT.	Inlet, Pipe	1							1																	
F																													
P	S-159	710+80.00	LT.	Inlet, Pipe	1																								
F																													
P	S-160	710+80.00	RT.	Inlet, Pipe	1																								
F																													
P	CD-1	24+19.14	RT.	EW, Pipe	1																								
F																													
P	CD-2	25+05.08	LT.	Manhole, Pipe	1	1																							
F																													
P	CD-3	25+22.16	LT.	MES	1																								
F																													
P	CD-4	56+00.00	RT.	EW, Pipe	2																								
F																													
P	CD-5	442+10.00	RT.	EW	2																								
F																													
P	OCS-1	417+44.90	RT.	Inlet, Pipe	1																				1				
F																													
P	OCS-1A	416+75.61	RT.	MES	1																								
F																													
P	OCS-2	434+69.37	RT.	Inlet, Pipe	1													1											
F																													
P	OCS-3	64+70.63	RT.	Manhole, Pipe	1			1																					
F																													
P	OCS-4	915+08.71	RT.	Manhole, Pipe	1			1																					
F																													
P	OCS-5	911+08.71	RT.	Manhole, Pipe	1				1																				
F																													
P	OCS-6	910+10.83	RT.	Manhole, Pipe	1			1																					
F																													
P	OCS-7	906+12.95	RT.	Manhole, Pipe	1			1																					
Sheet Summary				P Total		1	0	4	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0
				F Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 57

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
P	S-156	704+00.00	RT.	Inlet, Pipe	1										
F															
P	S-157	707+00.00	LT.	Manhole, Pipe	1										
F															
P	S-158	707+00.00	RT.	Inlet, Pipe	1										
F															
P	S-159	710+80.00	LT.	Inlet, Pipe	1										
F															
P	S-160	710+80.00	RT.	Inlet, Pipe	1										
F															
P	CD-1	24+19.14	RT.	EW, Pipe	1								1.56		
F															
P	CD-2	25+05.08	LT.	Manhole, Pipe	1										
F															
P	CD-3	25+22.16	LT.	MES	1	1						22.00			
F															
P	CD-4	56+00.00	RT.	EW, Pipe	2								5.73		
F															
P	CD-5	442+10.00	RT.	EW	2								5.73		
F															
P	OCS-1	417+44.90	RT.	Inlet, Pipe	1										See Drainage Details
F															
P	OCS-1A	416+75.61	RT.	MES	1		1					28.00			
F															
P	OCS-2	434+69.37	RT.	Inlet, Pipe	1										See Drainage Details
F															
P	OCS-3	64+70.63	RT.	Manhole, Pipe	1										
F															
P	OCS-4	915+08.71	RT.	Manhole, Pipe	1										
F															
P	OCS-5	911+08.71	RT.	Manhole, Pipe	1										
F															
P	OCS-6	910+10.83	RT.	Manhole, Pipe	1										
F															
P	OCS-7	906+12.95	RT.	Manhole, Pipe	1										
Sheet Summary				P Total		1	1	0	0	0	0	50	13.02	0	
				F Total		0	0	0	0	0	0	0	0	0	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 58

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM/CROSS DRAIN OPTIONAL MATERIAL										GUTTER DRAIN	TRENCH DRAIN	CURB INLETS							
						ROUND									ELLIPSE	ROUND	ROUND	P-5		J-5		P-6		J-6	
						12"	18"	24"	30"	36"	42"	48"	60"	66"	14" x 23"	18"	12"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'
F																									
P	OCS-8	902+12.95	RT.	Manhole, Pipe	1			368																	
F																									
P	OCS-9	25+84.91	LT.	Manhole, Pipe	1			176																	
F																									
P	OCS-10	25+91.31	LT.	MES	1																				
F																									
P	TD-1	215+40.00	LT.	Trench Drain, Pipe	1	3											58								
F																									
P	TD-2	218+45.99	LT.	Trench Drain, Pipe	1	3											238								
F																									
P	TD-3	230+88.69	LT.	Trench Drain, Pipe	1	3											109								
F																									
P	TD-4	234+20.00	LT.	Trench Drain, Pipe	1	3											212								
F																									
P	TD-5	434+00.00	LT.	Trench Drain, Pipe	1	3											124								
F																									
P	TD-6	431+07.68	LT.	Trench Drain, Pipe	1	3											158								
F																									
P	TD-7	418+64.91	LT.	Trench Drain, Pipe	1	3											189								
F																									
P	TD-8	415+40.00	LT.	Trench Drain, Pipe	1	3											125								
F																									
P																									
F																									
P																									
F																									
Sheet Summary	P Total					24	0	544	0	0	0	0	0	0	0	0	1213	0	0	0	0	0	0	0	0
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Summary	P Total					24	2942	4212	717	2046	1190	962	1466	2894	85	678	1213	11	0	3	4	7	0	1	2
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 59

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	MANHOLES						DITCH BOTTOM INLETS																GUTTER INLETS	
						P-7		P-8		J-8		A		A-J		E			E-J		F		H			H-J		S-P	
						<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'	<10'	>10'	MOD	<10'	>10'	<10'	>10'
F																													
P	OCS-8	902+12.95	RT.	Manhole, Pipe	1			1																					
F																													
P	OCS-9	25+84.91	LT.	Manhole, Pipe	1			1																					
F																													
P	OCS-10	25+91.31	LT.	MES	1																								
F																													
P	TD-1	215+40.00	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-2	218+45.99	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-3	230+88.69	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-4	234+20.00	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-5	434+00.00	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-6	431+07.68	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-7	418+64.91	LT.	Trench Drain, Pipe	1																								
F																													
P	TD-8	415+40.00	LT.	Trench Drain, Pipe	1																								
F																													
P																													
F																													
P																													
F																													
Sheet Summary	P Total					0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Summary	P Total					1	0	11	1	4	15	6	0	0	4	2	0	1	0	1	6	2	1	0	1	1	1	8	0
	F Total					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 60

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	CROSS DRAIN MITERED END SECTION						SODDING	CLASS I CONCRETE	DITCH LINING RIPRAP	REMARKS
						18"	24"	36"	60"	66"	14"X23"	SY	CY	TN	
F															
P	OCS-8	902+12.95	RT.	Manhole, Pipe	1										
F															
P	OCS-9	25+84.91	LT.	Manhole, Pipe	1										
F															
P	OCS-10	25+91.31	LT.	MES	1		1					28.00			
F															
P	TD-1	215+40.00	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-2	218+45.99	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-3	230+88.69	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-4	234+20.00	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-5	434+00.00	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-6	431+07.68	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-7	418+64.91	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P	TD-8	415+40.00	LT.	Trench Drain, Pipe	1										See Drainage Details
F															
P															
F															
P															
F															
Sheet Summary				P Total		0	1	0	0	0	0	28	0	0	
				F Total		0	0	0	0	0	0	0	0	0	
Final Summary				P Total		21	3	1	1	1	1	730	15.84	248	
				F Total		0	0	0	0	0	0	0	0	0	

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DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 61

CURVE DATA CL_6
PI STA. = Undefined
Δ = 180° 00' 00" (RT)
D = 5° 59' 58"
T = Undefined
L = 3,000.22
R = 955.00
PC STA. = 87+30.22
PT STA. = 117+30.44
e = 0.10
DS = 55 MPH

CURVE DATA CLCST_3
PI STA. = 703+67.59
Δ = 90° 00' 00" (LT)
D = 19° 05' 55"
T = 300.00
L = 471.24
R = 300.00
PC STA. = 700+67.59
PT STA. = 705+38.83
e = NC
DS = 15 MPH

CURVE DATA CL_3
PI STA. = Undefined
Δ = 180° 00' 00" (RT)
D = 5° 59' 58"
T = Undefined
L = 3,000.22
R = 955.00
PC STA. = 28+65.00
PT STA. = 58+65.22
e = 0.10
DS = 55 MPH

N

0 100 400
Feet

OSPREY NEST
200+02.56
242.70 LT
℄ CONST. WSAWAY

BEGIN ℄ CONST. SIDE RD.
STA. 700+00.00

BEGIN ℄ CONST. WSAWAY
STA. 200+00.00

STA. 00+00.00 ℄ CONST. TRACK =
STA. 210+03.48, 64.00' RT ℄ CONST. WSAWAY

℄ CONST. WSAWAY

℄ CONST. WSR

END ℄ CONST. WSAWAY
STA. 249+08.58

℄ CONST. SIDE RD.

CLST_3

CL_6

CL_3

STA. 300+00.00 ℄ CONST. WSR =
STA. 214+52.36 ℄ CONST. WSAWAY

℄ CONST. TRACK

BEGIN PROJECT 437300-1-52-01
STA. 00+00.00 ℄ CONST. TRACK =
END PROJECT 437300-1-52-01
STA. 117+30.44 ℄ CONST. TRACK

STA. 320+53.06 ℄ CONST. WSR =
STA. 235+02.03 ℄ CONST. WSAWAY

STA. 25+55.31
℄ CONST. TRACK =
STA. 900+00.00
℄ CONST. PROP

℄ CONST PROP.

END ℄ CONST. ENTRANCE RD.
STA. 636+29.57

STA. 635+89.57 ℄ CONST. ENTRANCE RD. =
STA. 102+30.33 ℄ CONST. TRACK

END ℄ CONST. PROP
STA. 918+04.73

STA. 631+73.49 ℄ CONST. ENTRANCE RD. =
STA. 712+45.83 ℄ CONST. SIDE RD.

℄ CONST.
ENTRANCE RD.

MATCH LINE
STA. 630+00.00

STA. 520+41.61 ℄ CONST. ESR =
STA. 434+89.83 ℄ CONST. ESAWAY

STA. 500+00.00 ℄ CONST. ESR =
STA. 414+51.60 ℄ CONST. ESAWAY

℄ CONST. TRACK

BEGIN ℄ CONST. ESAWAY
STA. 397+00.00

℄ CONST. ESR

℄ CONST. ESAWAY

END ℄ CONST. ESAWAY
STA. 449+45.46

STA. 87+30.22 ℄ CONST. TRACK =
STA. 410+40.23, 64.00' LT ℄ CONST. ESAWAY

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

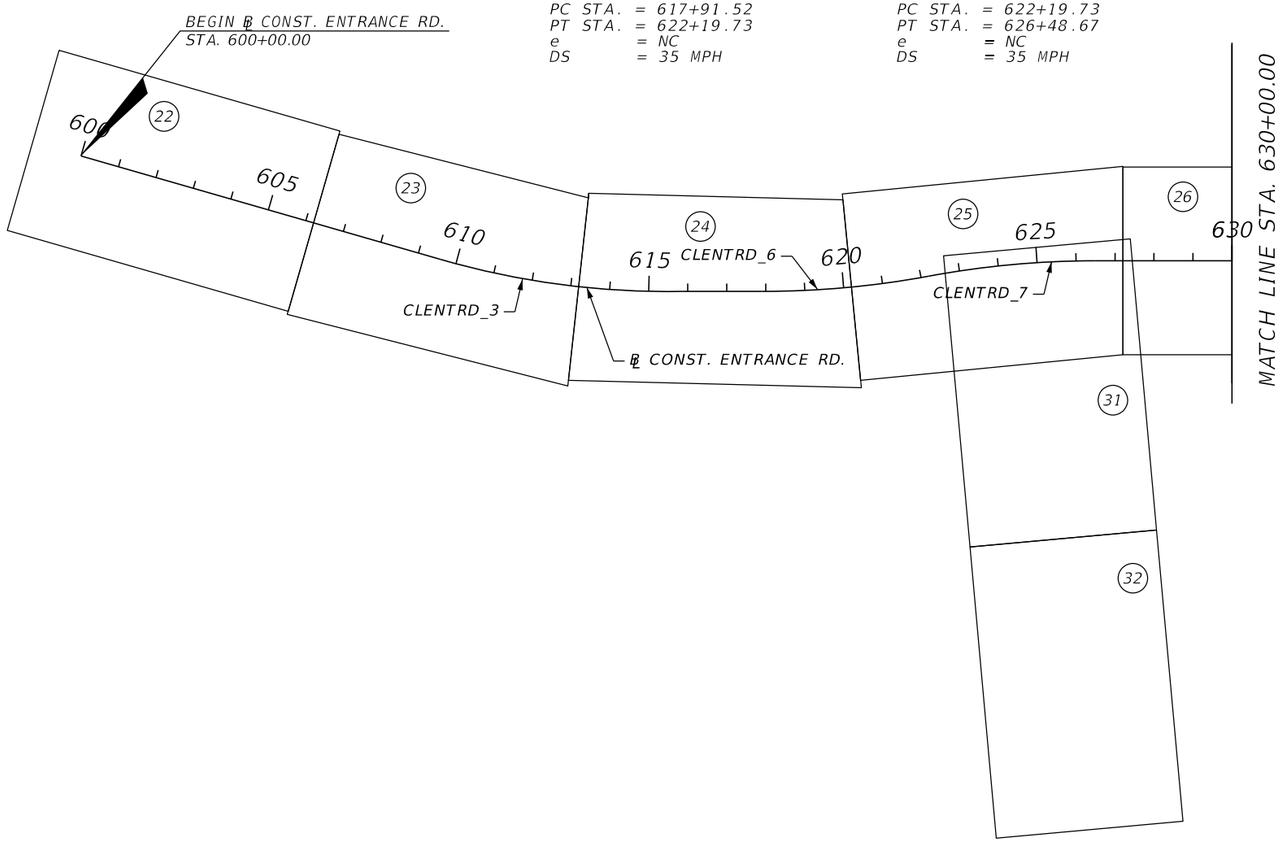
PROJECT LAYOUT (1)

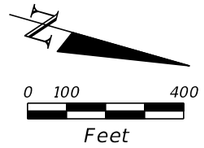
SHEET NO. 62

CURVE DATA CLENTRD_3
PI STA. = 612+74.80
Δ = 17° 03' 10" (LT)
D = 2° 42' 28"
T = 317.23
L = 629.77
R = 2,116.00
PC STA. = 609+57.57
PT STA. = 615+87.34
e = NC
DS = 35 MPH

CURVE DATA CLENTRD_6
PI STA. = 620+06.23
Δ = 10° 29' 23" (LT)
D = 2° 26' 59"
T = 214.70
L = 428.21
R = 2,338.87
PC STA. = 617+91.52
PT STA. = 622+19.73
e = NC
DS = 35 MPH

CURVE DATA CLENTRD_7
PI STA. = 624+34.80
Δ = 10° 29' 23" (RT)
D = 2° 26' 44"
T = 215.07
L = 428.94
R = 2,342.87
PC STA. = 622+19.73
PT STA. = 626+48.67
e = NC
DS = 35 MPH





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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

PROJECT LAYOUT (2)

SHEET NO. 63

CURVE AND COORDINATE DATA

CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED	P.C.		P.I.		P.T.		C.C.	
												NORTH	EAST	NORTH	EAST	NORTH	EAST	NORTH	EAST
CL_3	TRACK	28+65.00		58+65.22	180° 00' 00" RT	005° 59' 58"		3000.22	955	0.10	55 MPH	1377218.829	709556.923			1377740.852	711394.202	1377479.840	710475.563
CL_6	TRACK	87+30.22		117+30.44	180° 00' 00" RT	005° 59' 58"		3000.22	955	0.10	55 MPH	1374984.935	712177.237			1374462.911	710339.959	1374723.923	711258.598
CLCST_3	SIDE RD	700+67.59	703+67.59	705+38.83	090° 00' 00" LT	019° 05' 55"	300.0000	471.24	300	NC	15 MPH	1373418.403	710582.676	1373129.825	710664.669	1373211.818	710953.247	1373500.396	710871.254
CLENTRD_3	ENTRANCE RD	609+57.57	612+74.80	615+87.34	017° 03' 10" LT	002° 42' 28"	317.2300	629.77	2116	NC	35 MPH	1371284.457	712231.811	1371601.688	712232.842	1371905.274	712140.800	1371291.334	710115.822
CLENTRD_6	ENTRANCE RD	617+91.52	620+06.23	622+19.73	010° 29' 23" LT	002° 26' 59"	214.7000	428.21	2338.87	NC	35 MPH	1372101.681	712084.995	1372308.210	712026.314	1372500.603	711931.014	1371462.443	709835.177
CLENTRD_7	ENTRANCE RD	622+19.73	624+34.80	626+48.67	010° 29' 23" RT	002° 26' 44"	215.0700	428.94	2342.87	NC	35 MPH	1372500.603	711931.014	1372693.325	711835.550	1372900.206	711776.769	1373540.538	714030.435

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CURVE AND COORDINATE DATA

SHEET NO. 64

PROJECT NOTES:

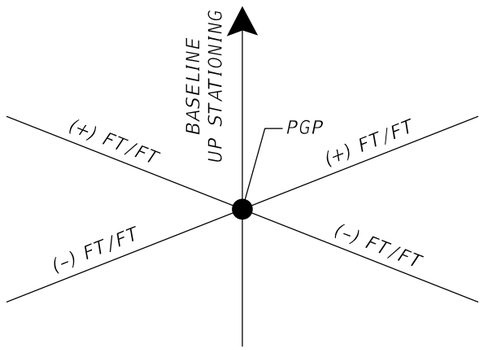
1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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

3. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS TO REMAIN UNLESS OTHERWISE NOTED.

4. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION SURVEYOR.

5. THERE IS AN OSPREY NEST LOCATED AT STA. 200+02.56, 242.70 ' LT, ℄ WSAWAY. THE OSPREY NEST IS SHOWN GRAPHICALLY ON THE DRAINAGE MAP, THE EXISTING CONDTIONS PLAN, THE DEMOLITION PLAN, AND ON THE PROJECT LAYOUT SHEET. AVOID DIRECTING ARTIFICIAL LIGHTING ON THE OSPREY NEST.



UTILITY OWNERS:

UAO	REPRESENTATIVE	TELEPHONE
BRIGHT HOUSE NETWORKS-CITRUS	DARIN DANIELS	863-288-2340
FPUC (FORMERLY CENTRAL FLORIDA GAS)	DOUG ELLIOT	863-292-2920
CITY OF AUBURNDALE	JOHN DICKSON	863-965-5511
GULFSTREAM NATURAL GAS SYSTEM, L.L.C.	FRED DELOACH	941-723-7108
MCI	DEAN BOYERS	972-729-6322
TAMPA ELECTRIC COMPANY	DARYL LESLIE	813-228-1157
FRONTIER COMMUNICATIONS (FORMERLY VERIZON)	FRED VALDES	863-688-9714

NON STANDARD ABBREVIATIONS

ABBREVIATION	MEANING
℄ CONST. TRACK	CENTERLINE OF CONSTRUCTION TRACK
ℬ CONST. ESR	BASELINE OF CONSTRUCTION EAST SERVICE ROAD
ℬ CONST. ESAWAY	BASELINE OF CONSTRUCTION EAST STRAIGHT AWAY
ℬ CONST. WSR	BASELINE OF CONSTRUCTION WEST SERVICE ROAD
ℬ CONST. WSAWAY	BASELINE OF CONSTRUCTION WEST STRAIGHT AWAY
ℬ CONST. PROP	BASELINE OF CONSTRUCTION PROPOSED (DRAINAGE – INFIELD AREA)

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

PROJECT NOTES

SHEET NO. 65

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

TRENCH DRAIN

0 10 50

Feet

MATCHLINE 117+20.00 SEE PLAN SHEET 17

MATCHLINE 06+80.00 SEE PLAN SHEET 2

LIMITS OF CONSTRUCTION

TYPE B FENCE

3+17.46
120.82',LT

2+90.76
76.00'LT

3+19.46
74.00'LT

℄ CONST. WSR

MISC. ASPHALT

SHLDR. PAVT.

℄ CONST. WSAWAY

EOP

N 15° 51' 41" W

N 19° 51' 41" W

210 211 212 213 214 300 215 301 216 302

14.5' 10' 12' 10.5' 4" 4"0" 14.5'

210+03.48
36.00'RT

0+00.00
24.00'RT

212+37.32
0:00'LT

℄ CONST. WSR
STA. 300+00.00 =
℄ CONST. WSAWAY
STA. 214+52.36

℄ CONST. WSAWAY

85' OF
14"X23" PIPE

TD-1 TD-2 S-2A

36' 4' 24' 76' 64'

0 1 2 3 4 5 6

12' 4' 6' 6' 4'

℄ CONST. TRACK

EOP

PT STA. 117+30.44

SHLDR. PAVT.

SHOULDER LINE

5+50.10
15.00'RT

CL_6

BEGIN PROJECT/BEGIN CONSTRUCTION
STA. 00+00.00 ℄ CONST. TRACK =
END PROJECT/END CONSTRUCTION
STA. 117+30.44 ℄ CONST. TRACK

℄ ROADSIDE
DITCH RT

℄ INTERCEPTOR DITCH

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (1)

SHEET NO. 66

LA R/W LINE

LA R/W LINE

EXIST. FENCE TO REMAIN

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION
- TRENCH DRAIN

0 10 50

Feet

12+96.84
181.71'LT

LIMITS OF CONSTRUCTION

7+94.06
146.06',LT

TYPE B FENCE

PI STA. 306+95.28

℄ CONST. WSR

306+95.28
15.00'LT

GUARDRAIL

MISC. ASPHALT

SHLDR. PAVT.

BEGIN SHLDR. PAVT.
STA. 302+72.38, 00.00'

306+95.28
00.00'

EOP

N 15° 51' 41" W

303+44.39
6.00'RT

STA. 306+95.49
6.00'RT

SHLDR. PAVT.

TOLL SITE #1

END CONC. BARRIER WALL
STA. 221+58.44
12.00 LT
MATCH TOLL SITE BARRIER WALL

BEGIN CONC. BARRIER WALL
STA. 222+58.44
12.00 LT
MATCH TOLL SITE BARRIER WALL

EOP

℄ CONST. WSAWAY

123' OF 18" PIPE

CRASH CUSHION

BEGIN SHLDR. PAVT.
STA. 7+20.59, 64' LT.

BEGIN CONC. BARRIER WALL
STA. 218+46.49, 12.00' LT.

SHLDR. PAVT.

CONC. BARRIER WALL

100' OF 18" PIPE

℄ CONST. TRACK

11+54.96
00.00

12+54.96
00.00

13+07.68
12.20'RT

EOP

SHLDR. PAVT.

EOP

7+11.43
10.00'RT

8+50.10
00.00

SHOULDER LINE

MISC. ASPHALT

GUARDRAIL

GUARDRAIL

MISC. ASPHALT

10+25.05
18.17'RT

END GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 11+55.56, 12.00'RT.

BEGIN GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 12+54.36, 12.00' RT.

℄ ROADSIDE DITCH RT

BEGIN GR TL-3
STA. 10+34.35, 16.00' RT.
CONST. FLARED TERMINAL

END GR TL-3
STA. 13+74.58, 16.00' RT.
CONST. FLARED TERMINAL

℄ INTERCEPTOR DITCH

MATCHLINE 06+80.00 SEE PLAN SHEET 1

MATCHLINE 13+80.00 SEE PLAN SHEET 3

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (2)

SHEET NO. 67

LA R/W LINE

EXIST. FENCE TO REMAIN

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

0 10 50

Feet

18+81.07
187.62'LT

TYPE B FENCE

LIMITS OF CONSTRUCTION

MISC. ASPHALT

SHLDR. PAVT.

MISC. APSHALT

GUARDRAIL

℄ CONST. WSR

313+57.78
15.00'LT

313+57.78
00.00'

MISC. ASPHALT

SHLDR. PAVT.

4'

10.5'

310 311 312 313 314 315 316

EOP

PI STA. 313+57.78

6'

15'

N 15° 51' 41" W

N 11° 51' 41" W

S-5

TOLL SITE #2

224 225 226 227 228 229 230

12'

END CONC. BARRIER WALL STA. 226+58.44, 12.00 RT. MATCH TOLL SITE BARRIER WALL

BEGIN CONC. BARRIER WALL STA. 227+58.44, 12.00 RT MATCH TOLL SITE BARRIER WALL

CONC. BARRIER WALL

N 15° 51' 41" W

SHLDR. PAVT.

EOP

64'

125' OF 18" PIPE

℄ CONST. WSAWAY

16+54.96
00.00

17+54.96
00.00

℄ CONST. TRACK

SURFACE WATER SW-5A

14 15 16 17 18 19 20

EOP

15+25.05
18.17'RT

N 15° 51' 41" W

18+84.87
18.17'RT

10'

12'

13+84.87
18.17'RT

S-6

MISC. ASPHALT

GUARDRAIL

GUARDRAIL

MISC. ASPHALT

END GR TL-3
STA. 18+74.57,
16.00' RT.
CONST. FLARED
TERMINAL

SHLDR. PAVT.

SHOULDER LINE

SHLDR. LINE

BEGIN GR TL-3
STA. 15+34.30,
16.00' RT.
CONST. FLARED
TERMINAL

END GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 16+55.56, 12.00' RT.

BEGIN GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 17+54.36, 12.00' RT.

℄ ROADSIDE DITCH RT

℄ INTERCEPTOR DITCH

℄ INTERCEPTOR DITCH

BFD

MATCHLINE 13+80 SEE PLAN SHEET 2

MATCHLINE 20+80 SEE PLAN SHEET 4

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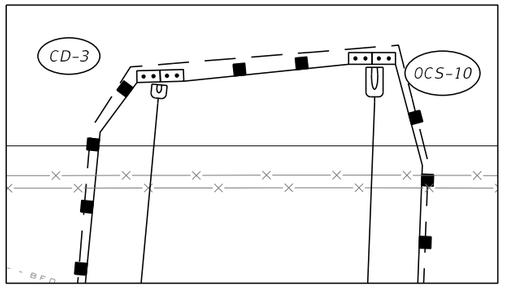
N/A	POLK	437300-1-52-01

ROADWAY PLAN (3)

SHEET NO. 68



MATCHLINE SEE THIS PLAN SHEET

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION
- TRENCH DRAIN

MATCHLINE SEE THIS PLAN SHEET

LA R/W LINE

EXIST. FENCE TO REMAIN

0 10 50

Feet

176' OF 18" PIPE

176' OF 24" PIPE

LIMITS OF CONSTRUCTION

25+02.41
161.49'LT

CD-2

OCS-9

TYPE B FENCE

27+70.56
129.83'LT

S-7

END CONC. BARRIER WALL
STA. 230+88.19, 14.00'RT.

END SHLDR. PAVT.
STA. 317+80.00, 00,00

℄ CONST. WSR

℄ CONST. WSR
STA. 320+53.06 =
℄ CONST. WSAWAY
STA. 235+02.03

GUARDRAIL

236+60.23
14.50'LT

MISC. ASPHALT

317+09.99
6.00'RT

SHLDR. PAVT.

26+27.99
74.00'LT

317 318 319 320 231 232 233 234 235 236 237

S-5A

N 11° 51' 41" W

EOP

0.5'

15'

12'

10'

14.5'

CRASH CUSHION

TD-3

TD-4

N 15° 51' 41" W

EOP

℄ CONST. WSAWAY

237+17.07
0.00'LT

END SHLDR. PAVT.
STA. 22+26.15, 64' LT.

64'

4"0'0"

217' OF 48" PIPE

℄ CONST. PROP STA. 900+00.00
℄ CONST. TRACK STA. 25+55.31

℄ CONST. WSAWAY

℄ CONST. TRACK

87' OF 18" PIPE

SURFACE WATER SW-5A

21 22 23 24 25 26 27

EOP

N 15° 51' 41" W

10'

12'

S-6A

280' OF 18" PIPE

900

106°6'47"

SHLDR. PAVT.

SHOULDER LINE

368' OF 24" PIPE

S-8

℄ ROADSIDE DITCH RT

℄ CONST. PROP

S 89° 44' 54" E

901

℄ INTERCEPTOR DITCH

CD-1

℄ INTERCEPTOR DITCH

MATCHLINE 20+80 SEE PLAN SHEET 3

MATCHLINE 27+80 SEE PLAN SHEET 5

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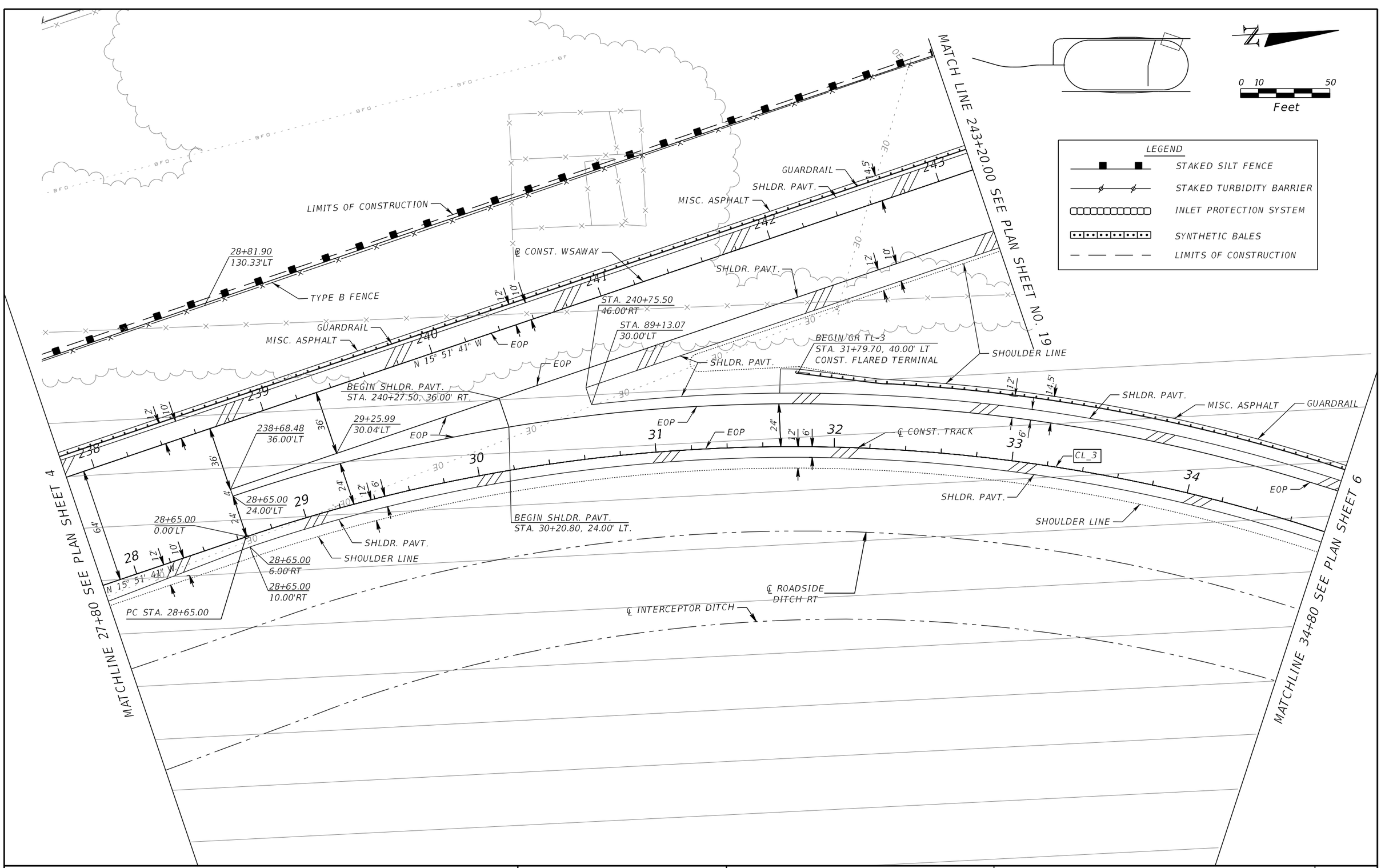
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (4)

SHEET NO. 69



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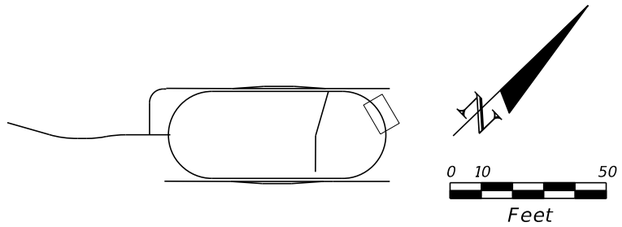
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

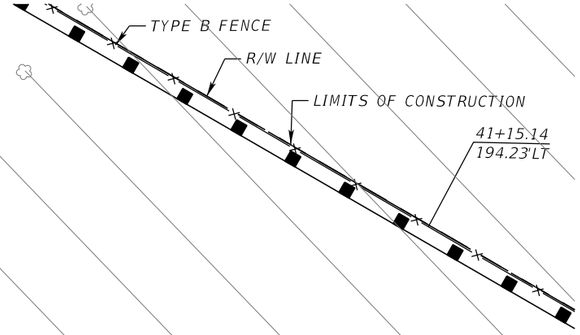
ROADWAY PLAN (5)

SHEET NO. 70



0 10 50
Feet

LEGEND
- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION



S-11
S-9
124' OF 18" PIPE
MISC. ASPHALT
SHLDR. PAVT.
GUARDRAIL
SHLDR. LINE
℄ CONST. TRACK
CL_3
104' OF 18" PIPE
EOP
S-12
S-10
SHLDR. PAVT.
SHOULDER LINE
℄ ROADSIDE DITCH RT
℄ INTERCEPTOR DITCH
14.5'
6'
12'
24'
35
36
37
38
39
40
41

MATCHLINE 34+80 SEE PLAN SHEET 5

MATCHLINE 41+80 SEE PLAN SHEET 7

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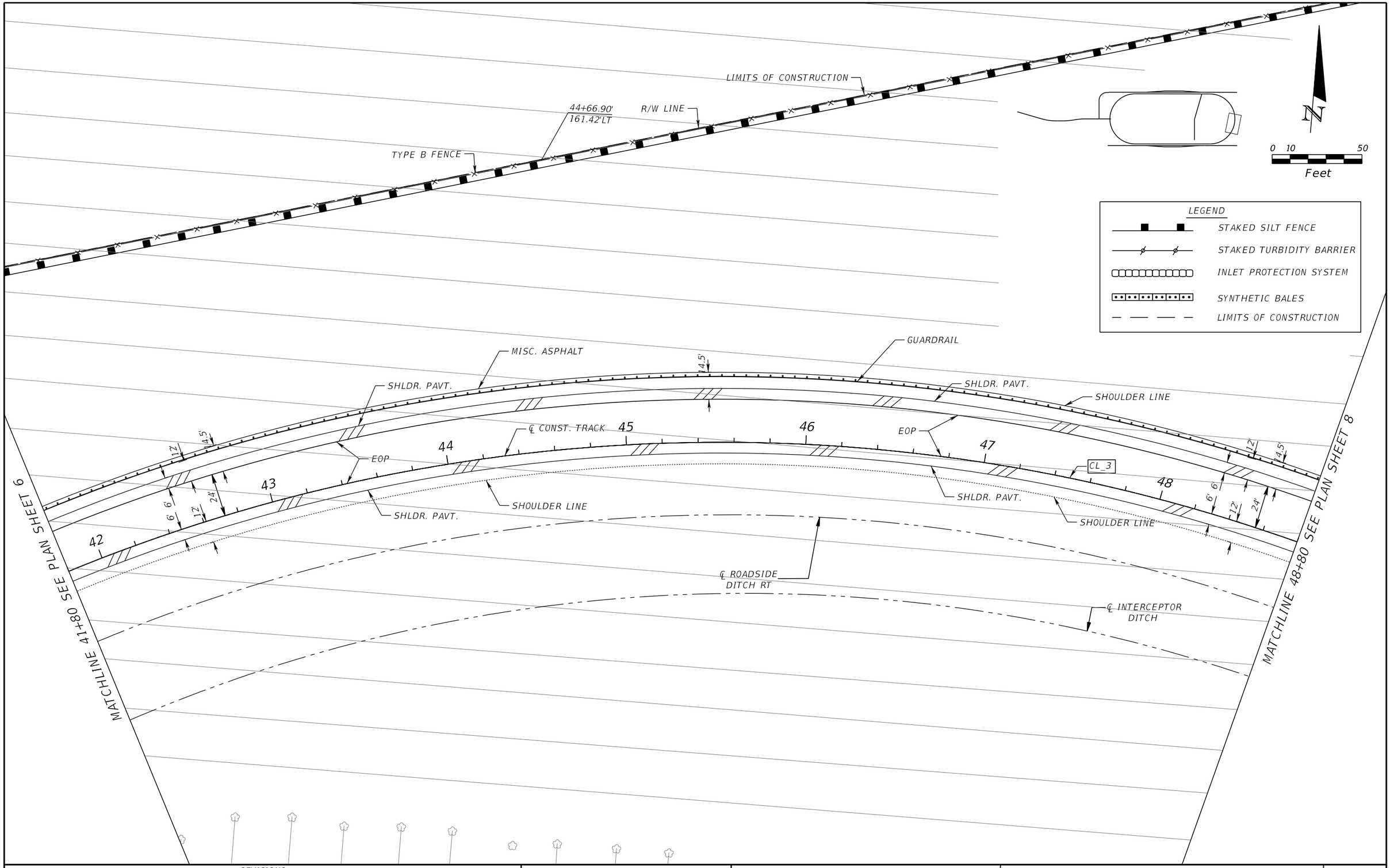
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (6)

SHEET NO. 71



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (7)

SHEET NO. 72

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

0 10 50

Feet

MATCHLINE 443+80 SEE SHEET 21

TYPE B FENCE

55+13.06
214.98'LT

LIMITS OF CONSTRUCTION

10'

12'

EOP

36'

N 15° 51' 41" W

443

℄ CONST.
ESAWAY

SHLDR.
PAVT.

EOP

SHLDR.
LINE

END GR TL-3
STA. 55+48.38, 40.25' LT
CONST. FLARED TERMINAL

MATCHLINE 55+80 SEE PLAN SHEET 9

S-13

110' OF
18" PIPE

GUARDRAIL

SHOULDER LINE

MISC. ASPHALT

SHLDR. PAVT.

14.5'

12'

℄ CONST. TRACK

6'

24'

CL_3

S-15

S-14

SHLDR. PAVT.

SHLDR. LINE

EOP

61' OF
18" PIPE

S-16

49

50

51

52

53

54

55

12'

4.5'

6'

24'

MATCHLINE 48+80 SEE PLAN SHEET 7

℄ INTERCEPTOR
DITCH

℄ ROADSIDE
DITCH RT

WETLAND
W-3

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (8)

SHEET NO. 73

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

0 10 50

Feet

WETLAND W-3

LIMITS OF CONSTRUCTION

POND 2

LIMITS OF CONSTRUCTION

TYPE B FENCE

CD-5

SURFACE WATER SW-1

61+51.24
136.33'LT

TYPE B FENCE

MAINTENANCE ACCESS ROAD
(SEE CROSS SECTIONS)

442 441 440 439 438 437 436 435

℄ CONST. ESAWAY

EOP

12'

10'

SHLDR. PAVT.

SHOULDER LINE

227' OF
2-36" PIPES

EOP

END SHLDR. PAVT.
STA. 440+75.95,36.00 LT

N 15° 51' 41" W

436+19.27
10.00'RT

4'

6'

EOP

SHLDR. PAVT.

EOP

36'

439+05.23
36.00'LT

437+04.86
0.00'

MATCHLINE 55+80 SEE PLAN SHEET 8

56 57 58 59 60 61 62

CL_3

℄ CONST. TRACK

EOP

4'

24'

58+65.22
24.00'LT

64'

EOP

12'

6'

END SHDLR. PAVT
STA. 56+97.83, 24.00 LT

SHOULDER LINE

58+65.22
0.00'

12'

10'

SHLDR. PAVT.

N 15° 51' 41" W

SHLDR. PAVT.

SHOULDER LINE

PT STA 58 +65.22

MATCHLINE 62+80 SEE PLAN SHEET 10

CD-4

℄ ROADSIDE
DITCH RT

℄ INTERCEPTOR DITCH

WETLAND W-3

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N/A	POLK	437300-1-52-01

ROADWAY PLAN (9)

SHEET NO. 74

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

TRENCH DRAIN

0 10 50

Feet

MATCHLINE 62+80 SEE PLAN SHEET 9

MATCHLINE 69+80 SEE PLAN SHEET 11

POND 2

OCS-2

62+99.12
172.87'LT

TYPE B FENCE

SURFACE WATER SW-1

60" PIPE

S-21

WETLAND W-4

69+53.70
271.05'LT

MAINTENANCE ACCESS ROAD (SEE CROSS SECTIONS)

195' OF 60" PIPE

BEGIN SHLDR. PAVT.
STA. 517+69.24, 00.00'

127' OF 18" PIPE

SHLDR. PAVT.

SHOULDER LINE

SHLDR. PAVT.

513+46.33
15.00'RT

STA. 520+41.61 ℄ CONST. ESR =
STA. 434+89.83 ℄ CONST. ESAWAY

℄ CONST. ESR

EOP

S-18

S-20

516+58.46
6.00'LT

513+46.33
0.00'LT

N 19° 51' 41" W

N 15° 51' 41" W

TD-5

℄ CONST. ESAWAY

S-17A

97' OF 18" PIPE

TD-6

BEGIN SHLDR. PAVT.
STA. 65+52.33, 64.00 LT

CRASH CUSHION

CONC. BARRIER WALL

124' OF 60" PIPE

END CONC. BARRIER WALL
STA. 427+95.19
12.00' RT
MATCH TOLL SITE BARRIER WALL

69+75.26
0.00'

℄ CONST. TRACK

EOP

SHLDR. PAVT.

SHOULDER LINE

BEGIN CONC. BARRIER WALL
STA. 431+07.19, 12.00' LT.

S-17

S-19

GUARDRAIL

MISC. ASPHALT

320' OF 24" PIPE

OCS-3

℄ ROADSIDE DITCH RT

24" PIPE

294' OF 60" PIPE

SURFACE WATER SW-4

WETLAND W-5

68+45.35
18.17'RT

BEGIN GR TL-3
STA. 68+54.82,
16.00'RT.
CONST. FLARED TERMINAL

END GR TL-3
CONNECT TO TOLL SITE
BARRIER WALL
STA. 69+75.86
12.00' RT

SURFACE WETLAND SW-1

℄ INTERCEPTOR DITCH

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ROADWAY PLAN (10)

SHEET NO. 75

MATCHLINE 69+80 SEE PLAN SHEET 10

MATCHLINE 76+80 SEE PLAN SHEET 12

POND 1

WETLAND W-7

26+25.04
282.05'LT

70+70.92
288.70'LT

226' OF 18" PIPE

224' OF 18" PIPE

TYPE B FENCE

214' OF 36" PIPE

95' OF 66" PIPE

WETLAND W-7

506+95.28
21.00'RT

S-154

66" PIPE

WETLAND W-7A

506+95.28
15.00'RT

506+95.28
00.00'

SHLDR. PAVT.

SHOULDER LINE

0 10 50
Feet

℄ CONST. ESR

513 EOP 512 511 510 509 EOP 508 507

N 15° 51' 41" W

N 11° 51' 41" W

S-25 S-27 S-31

SHLDR. PAVT.

TOLL SITE #3

TOLL SITE #4

BEGIN CONC. BARRIER WALL
STA. 426+95.19
12.00' RT
MATCH TOLL SITE BARRIER WALL

427 426 425 424 423 422 421

N 15° 51' 41" W

EOP EOP

℄ CONST. ESAWAY

℄ CONST. TRACK

END CONC. BARRIER WALL
STA. 422+95.19
12.00' RT
MATCH TOLL SITE BARRIER WALL

END CONC. BARRIER WALL
STA. 421+95.19
12.00' RT
MATCH TOLL SITE BARRIER WALL

146' OF 36" PIPE

70+75.26
0.00'

74+75.26
0.00'

75+75.26
0.00'

70 71 72 73 74 75 76

EOP

N 15° 51' 41" W

GUARDRAIL MISC. ASPHALT

SHLDR. PAVT. SHOULDER LINE

MISC. ASPHALT GUARDRAIL

GUARDRAIL MISC. ASPHALT

72+05.17
18.17'RT

BEGIN GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 70+63.31, 12.00'RT.

73+45.35
18.17'RT

END GR TL-3
CONN. TO TOLL SITE BARRIER WALL
STA. 74+75.86, 12.00' RT.

S-29 S-30

℄ ROADSIDE DITCH RT

125' OF 36" PIPE

BEGIN GR TL-3
CONN. TO TOLL BARRIER WALL
STA. 75+74.66, 12.00' RT.

℄ INTERCEPTOR DITCH

BEGIN GR TL-3
STA. 73+55.60, 16.00' RT.
CONST. FLARED TERMINAL

END GR TL-3
STA. 71+94.88, 16.00' RT.
CONST. FLARED TERMINAL

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

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ROADWAY PLAN (11)

SHEET NO. 76

POND 1

S-155

66" PIPE

0 10 50
Feet

LIMITS OF CONSTRUCTION

WETLAND W-7

TYPE B FENCE

81+26.40
199.20'LT

82+00.00
172.63' LT

S-36

73' OF 2-24" PIPES

404' OF 66" PIPE

SHOULDER LINE

SHLDR. PAVT.

END CONC. BARRIER WALL
STA. 418+65.44 14.00'RT

S-153

END SHLDR. PAVT.
STA. 502+72.38, 00.00'.

℄ CONST. ESR

STA. 500+00.00 ℄ CONST. ESR =
STA. 414+51.60 ℄ CONST. ESAWAY

403' OF 66" PIPE

S-35A

SHOULDER LINE

SHLDR. PAVT.

506 505 504 503 502 501 500

N 11° 51' 41" W

EOP

503+43.84
6.00' LT

420 419 418 417 416 415 414

S-31A

N 15° 51' 41" W

EOP

CRASH CUSHION

℄ CONST. ESAWAY

TD-7

END SHLDR. PAVT.
STA. 80+47.13, 64.00' LT.

TD-8

40'

188' OF 2-24" PIPES

93' OF 18" PIPE

℄ CONST. TRACK

77 78 79 80 81 82 83

EOP

78+80.22
0.00'LT

81+80.22
15.00'RT

N 15° 51' 41" W

77+05.17
18.17'RT

SHOULDER LINE

SHLDR. PAVT.

80+30.33
10.00'RT

S-30A

END GR TL-3
STA. 76+94.91, 16.00' RT.
CONS. FLARED TERMINAL

389' OF 2-24" PIPES

S-34

S-33

S-35

WETLAND W-9

℄ ROADSIDE DITCH RT

℄ INTERCEPTOR DITCH

12' OF 2-24" PIPES

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION
- TRENCH DRAIN

MATCHLINE 76+80 SEE PLAN SHEET 11

MATCHLINE 83+80 SEE PLAN SHEET 13

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (12)

SHEET NO. 77

LEGEND
STAKED SILT FENCE
STAKED TURBIDITY BARRIER
INLET PROTECTION SYSTEM
SYNTHETIC BALES
LIMITS OF CONSTRUCTION
TYPE B STABILIZATION

N
0 10 50
Feet

CELL TOWER EASEMENT
LIMITS OF CONSTRUCTION
TYPE B FENCE
MAINTENANCE ACCESS ROAD (SEE CROSS SECTIONS)
85+00.00 122.54'LT
409+64.94 90.21'RT EL. 154.96'
409+61.10 105.77 EL. 154.64
408+88.01 107.92' EL 155.5'
WETLAND W-7
408+00.00 110.91'LT EL 154.7'
407+00.00 114.22'LT EL 154.7'
TYPE B FENCE
CELL TOWER SERVICE ROAD
88+56.89 166.70'LT
TYPE B STABILIZATION
88+01.26 139.61'LT
394' OF 66" PIPE
℄ CONST. ESAWAY
S-151
66" PIPE
413+22.16 12.00'RT
412+36.57 0.00'RT
347' OF 66" PIPE
N 15° 51' 41" W
S-152
℄ CONST. ESAWAY
BEGIN SHLDR. PAVT. STA. 408+69.51, 36.00'LT.
BEGIN GR TL-3 STA. 90+44.52, 40.00' LT. CONST. FLARED TERMINAL
WETLAND W-7
410+40.23 36.00'LT
87+30.22 24.00'LT
EOP
BEGIN SHLDR. PAVT. STA. 88+97.61, 24.00' LT.
℄ CONST. TRACK
88+40.55 0.00'LT
SHLDR. PAVT.
90+32.5323 0.00'LT
CL_6
R 652'
GUARDRAIL
PC STA 87 +30.22
SHLDR. PAVT.
EOP
SHOULDER LINE
BEGIN 10' SHLDR. PAVT. STA. 90+32.53, 10.00' RT.
END 4' SHLDR. PAVT. STA. 90+32.53, 38.00'RT.
℄ ROADSIDE DITCH RT
℄ INTERCEPTOR DITCH
84 85 86 87 88 89 90
407 408 409 410 411 412 413

MATCHLINE 83+80 SEE PLAN SHEET 12
MATCHLINE 90+80 SEE PLAN SHEET 14

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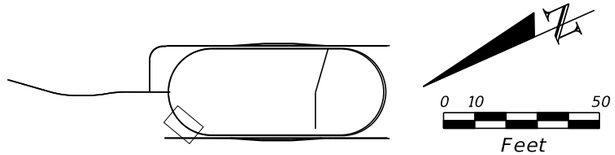
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (13)

SHEET NO. 78



0 10 50
Feet

LEGEND
- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

MATCHLINE 406+00.00 SEE PLAN SHEET 20

SHLDR. PAVT.
SHLDR. LINE
66" PIPE
36'
10'
12'
N 15° 51' 41" W

WETLAND W-7

MATCHLINE 90+80 SEE PLAN SHEET 13

S-149
449' OF 66" PIPE
S-148
231' OF 66" PIPE

MISC. ASPHALT
SHLDR. PAVT.
GUARDRAIL
SHLDR. LINE
℄ CONST. TRACK
CL_6
6'
10'
3.5'
4'
12'
14.5'
24'
9'

91 92 93 94 95 96 97

S-37
BEGIN CONC. SHLDR. GUTTER STA. 91+30.00, 10.00'RT.
35' OF 18" PIPE
S-38
S-39
73' OF 18" PIPE
SHLDR. PAVT.
SHLDR. GUTTER
S-39A
109' OF 18" PIPE
S-40
S-40A

℄ ROADSIDE DITCH RT
℄ INTERCEPTOR DITCH
RUBBLE RIPRAP DITCH LINING W/ GEOTEXTILE FABRIC (TYP.) (SEE DRAINAGE DETAILS)

MATCHLINE 97+80 SEE PLAN SHEET 15

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N/A	POLK	437300-1-52-01

ROADWAY PLAN (14)

SHEET NO. 79

LIMITS OF CONSTRUCTION
TYPE B FENCE
R/W LINE

LEGEND
STAKED SILT FENCE
STAKED TURBIDITY BARRIER
INLET PROTECTION SYSTEM
SYNTHETIC BALES
LIMITS OF CONSTRUCTION

END TYPE B FENCE
CONNECT TO SITE PLAN FENCE

℄ CONST.
ENTRANCE RD.

SEE ROADWAY PLAN (27)
FOR ROAD DETAILS

0 10 50
Feet

S-147
66" PIPE
468' OF 66" PIPE
TERRACE WALLS
END GR., TL-3 APPRH. TRANS.
100+75.23, 36.00' LT.
CONN. TO BARRIER WALL
TRAFFIC RAILING (42" F-SHAPE)
REFER TO LANDSCAPING PLANS FOR DETAILS
S-140
S-139
S-500
30" PIPE
30" PIPE
N 15° 51' 41" W
634
635
639
END THREE-SIDED BRIDGE CULVERT
STA. 102+65.84, 00.00'.
TERRACE WALLS
BEGIN GR TL-3 APPRH. TRA
103+85.44, 36.00' LT.
CONN. TO BARRIER WALL
END BARRIER WALL
MSE WALL W1
STA. 103+86.04
37.25' LT
GUARDRAIL
AB-2

BEGIN BARRIER WALL
MSE WALL W1
STA. 100+74.63
37.25' LT
MISC. ASPHALT
GUARDRAIL
SHLDR. PAVT.
EOP
℄ CONST. TRACK
100+74.25
30.00'LT
CL_6
S-41
GUARDRAIL
END SHLDR PVMT.
101+92.28
24.00'LT.
END SHLDR PVMT.
101+91.32
0.00'RT.
BEGIN SHLDR PVMT
102+67.17
24.00'RT.
BEGIN SHLDR. PVMT.
102+68.39
24.00'LT
EOP
103+86.00
30.00'RT
GUARDRAIL
BEGIN GR TL-3
STA. 99+55.96, 17.67' RT.
CONST. FLARED TERMINAL
SHLDR. PAVT.
128' OF 18" PIPE
END CONC. SHLDR GUTTER
STA. 100+82.58
10.00'RT.
BEGIN THREE-SIDED BRIDGE CULVERT
STA. 101+94.82
BEGIN BARRIER WALL
MSE WALL W2
STA. 100+82.58
13.25' RT
SHLDR. GUTTER
℄ ENT. RD.
STA. 635+89.57
℄ CONST. TRACK
STA. 102+30.33
TRAFFIC RAILING (42" F-SHAPE)
BEGIN GR., TL-3 APPRH. TRANS.
103+77.48, 12.00' RT.
CONN. TO BARRIER WALL
SHLDR. GUTTER
GUARDRAIL
END BARRIER WALL
MSE WALL W2
STA. 103+78.08
13.25' RT
BEGIN CONC. SHLDR GUTTER.
STA. 103+76.14
10.00'RT.
S-42
END GR., TL-3 APPRH. TRANS.
100+83.18, 12.00' RT.
CONN. TO BARRIER WALL
RUBBLE RIPRAP DITCH LINING
W/ GEOTEXTILE FABRIC (TYP.)
(SEE DRAINAGE DETAILS)
℄ ROADSIDE DITCH RT

MATCHLINE 97+80 SEE PLAN SHEET 14
MATCHLINE 104+80 SEE PLAN SHEET 16

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ROADWAY PLAN (15)

SHEET NO. 80

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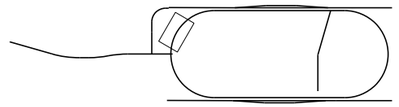

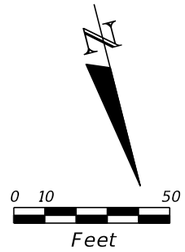

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

MATCHLINE 104+80 SEE PLAN SHEET 15

SHOULDER LINE
MISC. ASPHALT
GUARDRAIL
SHLDR. PAVT.
EOP
CL_6
℄ CONST. TRACK
105
106
107
108
109
110
111
24'
6'
10'
3.5'
4'
SHLDR. PAVT.
SHLDR. GUTTER
S-41A
S-42A
S-43
S-44
S-46
S-47
S-48
END GR TL-3
STA. 105+04.74, 17.67' RT.
CONST. FLARED TERMINAL
128' OF 18" PIPE
97' OF 18" PIPE
208' OF 18" PIPE
73' OF 18" PIPE
RUBBLE RIPRAP DITCH LINING W/ GEOTEXTILE FABRIC (TYP.) (SEE DRAINAGE DETAILS)
℄ INTERCEPTOR DITCH
℄ ROADSIDE DITCH RT
30' E
14.5'

MATCHLINE 111+80 SEE PLAN SHEET 17

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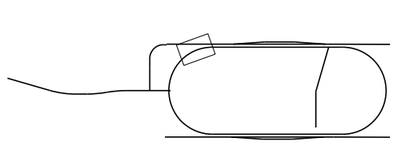
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (16)

SHEET NO. 81



0 10 50
Feet

LEGEND
- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

MATCHLINE 206+00.00 SEE PLAN SHEET 18

114+83.71
150.22'LT

MISC. ASPHALT

N 15° 51' 41" W

GUARDRAIL

LIMITS OF CONSTRUCTION

TYPE B FENCE

END GR TL-3
STA. 114+15.24, 40.00'LT
CONST. FLARED TERMINAL

SHLDR. PAVT.

END SHLDR. PAVT.
STA. 208+32.76, 36.00' LT.

EOP

MATCHLINE 111+80 SEE PLAN SHEET 16

GUARDRAIL

SHLDR. PAVT.

℄ CONST. TRACK

CL_6

SHLDR. PAVT.

END 10' SHLDR. PAVT.
STA. 114+36.24, 10.00'RT.

S-49

SHOULDER LINE

35' OF
18" PIPE

S-50

RUBBLE RIPRAP
DITCH LINING
W/ GEOTEXTILE FABRIC (TYP.)
(SEE DRAINAGE DETAILS)

BEGIN 4' SHLDR. PAVT.
STA. 114+37.60, 34.00'RT.

SHLDR. PAVT.

SHOULDER LINE

116+41.08
0.00'RT

END SHLDR. PAVT.
STA. 115+63.05, 24' LT.

END CONC.
SHLDR. GUTTER
STA. 112+60.00, 10.00'RT

MATCHLINE 117+20 SEE PLAN SHEET 1

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (17)

SHEET NO. 82

MATCH LINE SEE PLAN SHEET 33

MATCHLINE 702+60 SEE PLAN SHEET 28

MATCH LINE 204+60.00 SEE PLAN SHEET 17

BEGIN CONST. STA. 200+00.00
℄ WSAWAY

BEGIN CONST. STA. 700+00.00
℄ SIDE RD.

+01.94
88.19'RT

BEGIN TYPE B FENCE
CONNECT TO OPERATIONS SITE FENCE
+28.80, 26.74'RT

℄ ROADSIDE DITCH RT

GUARDRAIL

17'

300' R

℄ CONST. SIDE RD.

N 15° 51' 41" W

EL. 173.32'

PT STA. 700+67.59

700+67.59
16.00' RT

700+25.34
11.00' LT
EL. 172.90'

701+81.98
58.08' RT
EL. 172.20'

702+24.49
68.11' LT
EL. 173.24'

702+24.49
77.90' RT
EL. 173.30'

700+47.68
113.65' RT
EL. 171.88'

201' R

EOP 702+35.83
139.75' RT
EL. 173.67'

702+24.80
171.13' RT
EL. 173.87'

79' R

701+09.13
208.47' RT
EL. 174.21'

700+05.44
231.63' RT
EL. 173.76'

200+28.10
241.63' RT
EL. 173.13'

BEGIN SHOULDER
200+36.72
256.20' RT

SPT-1

AB-1

200+00.00
10.00' LT

EL. 173.43'

LIMITS OF CONSTRUCTION

TYPE B FENCE

+73.43
45.31'LT

MISC. ASPHALT

℄ CONST. WSAWAY

SHLDR. PAVT.

12'

10'

200

201

202

203

204

+00.00
EL 173.75'

EOP

+49.63
EL 174.23

N 15° 51' 41" W

EOP

+50.75
EL 174.87'

1.0%

1.0%

1.0%

EOP

+50.75
36.00'RT
EL 174.51'

R 205'

+49.63
199.12'RT
EL 172.23'

120' R

SEE ROADWAY PLAN (17)
FOR TRACK DETAILS

SHOULDER LINE

EOP

12'

10'

S-45

18" PIPE

℄ CONST. TRACK

111

110

S-47

18" PIPE

SEE OPERATIONS SITE
PLANS FOR DETAILS

0 10 50
Feet

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (18)

SHEET NO. 83

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0 10 50
Feet

LEGEND
- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

MATCHLINE 243+20.00 SEE PLAN SHEET 5

+92.14
66.05' LT

LIMITS OF CONSTRUCTION

R/W LINE

TYPE B FENCE

TYPE B FENCE

+08.58
63.10'LT

END GR TL-3
STA. 248+18.64, 16.00'RT.
CONST. FLARED TERMINAL

℄ CONST. WSAWAY
STA. 249+08.58

SHLDR. PAVT.

10'

12'

℄ CONST. WSAWAY

MISC. ASPHALT

+65.53
12.00' LT

3 244 245 246 247 248 249

N 15° 51' 41" W

+20.26
EL 176.79'

1.0%

+22.20
EL 175.59'

+21.96
EL 174.39

+69.68
23.71'RT
EL 173.45'

23.71'RT
EL 174.16'

1.0%

1.0%

R 60'

+79.68
76.16'RT
EL 173.06'

76.16'RT
EL 173.63'

1.0%

1.0%

+20.26
36.00'RT
EL 176.43'

SHLDR. PAVT.

SHOULDER LINE

R 205'

+64.32
131.24'RT
EL 172.66'

131.24'RT
EL 173.08'

1.0%

1.0%

10'

12'

+22.20
199.12'RT
EL 173.60'

186.32'RT
EL 172.53'

1.0%

+49.00
186.32'RT
EL 172.26

1.0%

LIMITS OF CONSTRUCTION

+21.96
234.96'RT
EL 172.05'

R 120'

R/W LINE

TYPE B FENCE

℄ CONST. TRACK

34

35

18" PIPE

S-9

SEE DRAINAGE DETAILS FOR GRADING DETAILS

SEE ROADWAY PLAN (5) FOR TRACK DETAILS

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ROADWAY PLAN (19)

SHEET NO. 84

BEGIN ℄ CONST. ESWAY
STA. 397+00.00

SHOULDER LINE

SHLDR. PAVT.

12'

10'

0 10 50
Feet

LEGEND
- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION
- TYPE B STABILIZATION

R 120'

+58.85
126.73'LT
EL 170.54'

BEGIN CONCRETE
BARRIER WALL
STA. 397+70.63
88.01' RT

BARRIER WALL
CONST. JOINT
STA. 397+9791
80.40' RT

+95.45
59.85'RT
EL 159.91'

R 10'

+96.73
34.75'RT

R 5'

N 74° 08' 19" E

397

398

399

1.0%

0.3%

99.61' LT
EL 171.03'

+73.68
99.61' LT
EL 171.11'

1.0%

0.6%

WETLAND
W-7

+44.39
84.38' LT
EL 171.83'

84.38' LT
EL 171.58'

BARRIER WALL
CONST. JOINT
STA. 398+53.15
64.99' RT

1.0%

0.073%

+70.00
49.75'RT
EL 156.94'

SHLDR.
BARRIER
WALL

+83.84
69.02'LT
EL 172.55'

76.16'LT
EL 172.13'

60' R

0.083%

1.0%

BEGIN GR TL-3
CONN. TO BARRIER WALL
STA. 401+20.00, 10.00 RT

+86.38
00.00'
EL 174.09'

+39.02
23.71'LT
EL 172.72'

+86.74
EL 172.89'

℄ CONST. ESWAY

+86.38
199.12'LT
EL 172.10'

449' OF
66" PIPE

R 205'

SEE ROADWAY PLAN (14)
FOR TRACK DETAILS

SHOULDER LINE

SHLDR. PAVT.

S-149

+88.32
71.57' LT
EL 174.53'

12'

10'

1.0%

+88.32
EL 175.25'

103' OF
66" PIPE

N 15° 51' 41" W

N 15° 51' 41" W

400

401

402

403

404

405

406

S-150

66" PIPE

LIMITS OF
CONSTRUCTION

SHLDR.
BARRIER
WALL

GUARDRAIL

SHOULDER LINE

END GR TL-3
STA. 402+39.63, 15.15' RT
CONST. FLARED TERMINAL

+76.60
55.62'RT
EL 154.7'

+60.00
117.67'RT
EL 154.7'

+60.00
92.83'RT

+00.00
121.08',RT
EL 154.2'

+00.00
121.08',RT
EL 154.2'

+00.00
121.08',RT
EL 154.7'

+00.00
121.08',RT
EL 154.7'

+00.00
121.08' RT
EL 154.7'

+93.97
121.08' RT
EL 154.7'

R 20'

+60.00
107.11'RT

R 35'

TYPE B STABILIZATION

CELL TOWER
ACCESS ROAD

TYPE B FENCE

SEE DRAINAGE DETAILS
FOR GRADING DETAILS

LIMITS OF
CONSTRUCTION

MATCHLINE 406+00.00 SEE PLAN SHEET 14

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N/A	POLK	437300-1-52-01

ROADWAY PLAN (20)

SHEET NO. 85

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

MATCHLINE 443+80.00 SEE PLAN SHEET 8

℄ ROADSIDE DITCH RT

S-14

S-13

℄ CONST. TRACK

18" PIPE

SEE ROADWAY PLAN (8) FOR TRACK DETAILS

R 205'

+57.14
36.00' LT
EL 170.30'

+57.14
EL 170.66'

WETLAND
W-3

+59.08
199.12'LT
EL 169.38'

+59.08
00.00'
EL 171.37'

℄ CONST. ESAWAY

N 15° 51' 41" W

N 15° 51' 41" W

444 445 446 447 448 449

SHOULDER LINE

SHLDR. PAVT.

SHLDR. PAVT.

SHOULDER LINE

12'

10'

1.0%

R 120'

+58.85
234.96'LT
EL 169.72'

186.32'LT
EL 170.21'

+85.89
186.32'LT
EL 169.94'

131.24'LT
EL 170.76'

+01.21
131.24'LT
EL 170.34'

76.16'LT
EL 171.31'

+16.57
76.16'LT
EL 170.60'

R 60'

+58.85
EL 172.07'

+06.57
23.71'LT
EL 171.08'

LIMITS OF CONSTRUCTION

TYPE B FENCE

R/W LINE

END ℄ CONST. ESWAWAY
STA. 449+45.46

449+45.46
72.33 RT

TYPE B FENCE

LIMITS OF CONSTRUCTION

SEE DRAINAGE DETAILS FOR GRADING DETAILS

0 10 50
Feet

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

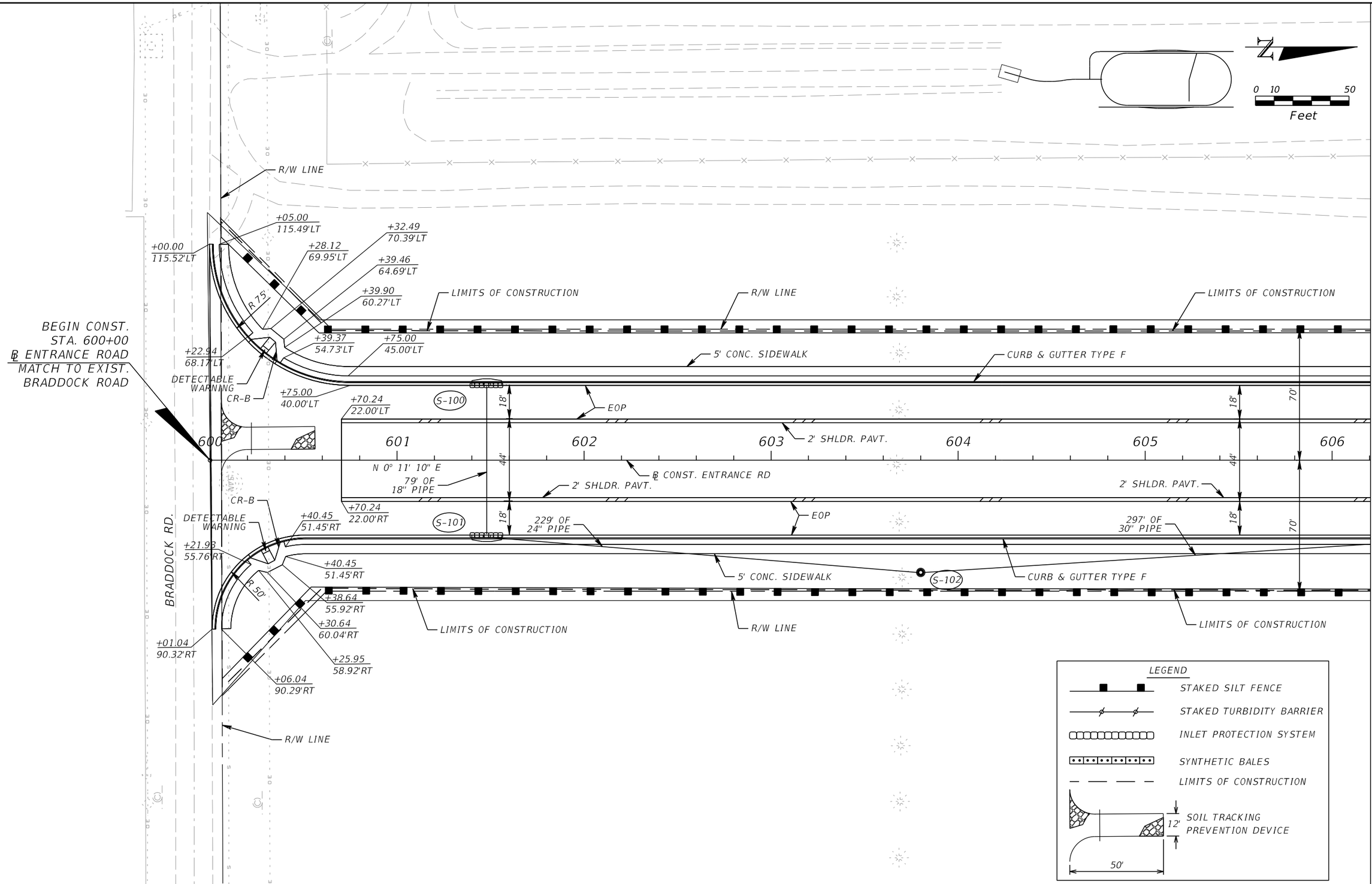
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PLAN (21)

SHEET NO. 86



MATCHLINE 606+20 SEE PLAN SHEET 23

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

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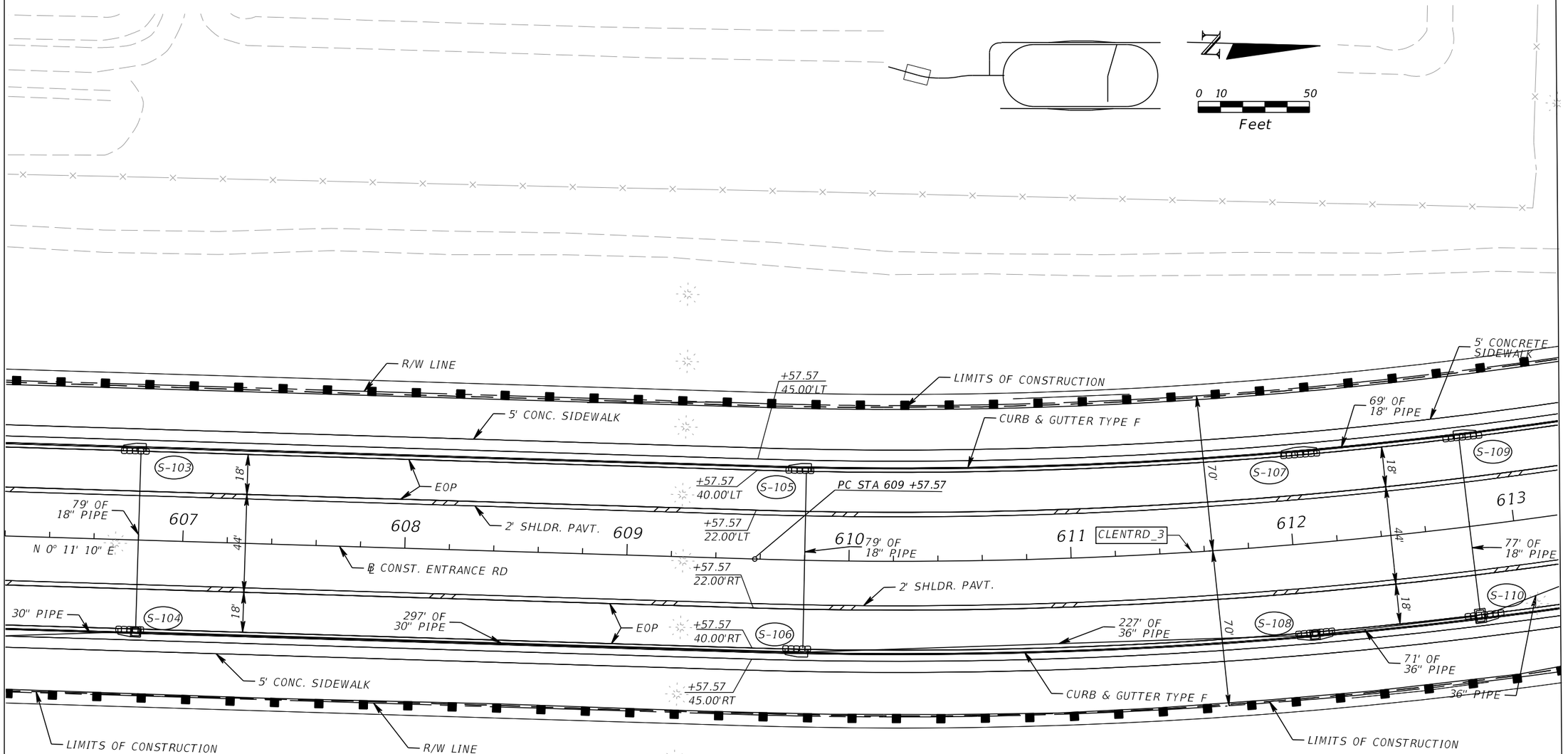
N/A	POLK	437300-1-52-01

ROADWAY PLAN (22)

SHEET NO. 87

MATCHLINE 606+20 SEE PLAN SHEET 22



MATCHLINE 613+20 SEE PLAN SHEET 24

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

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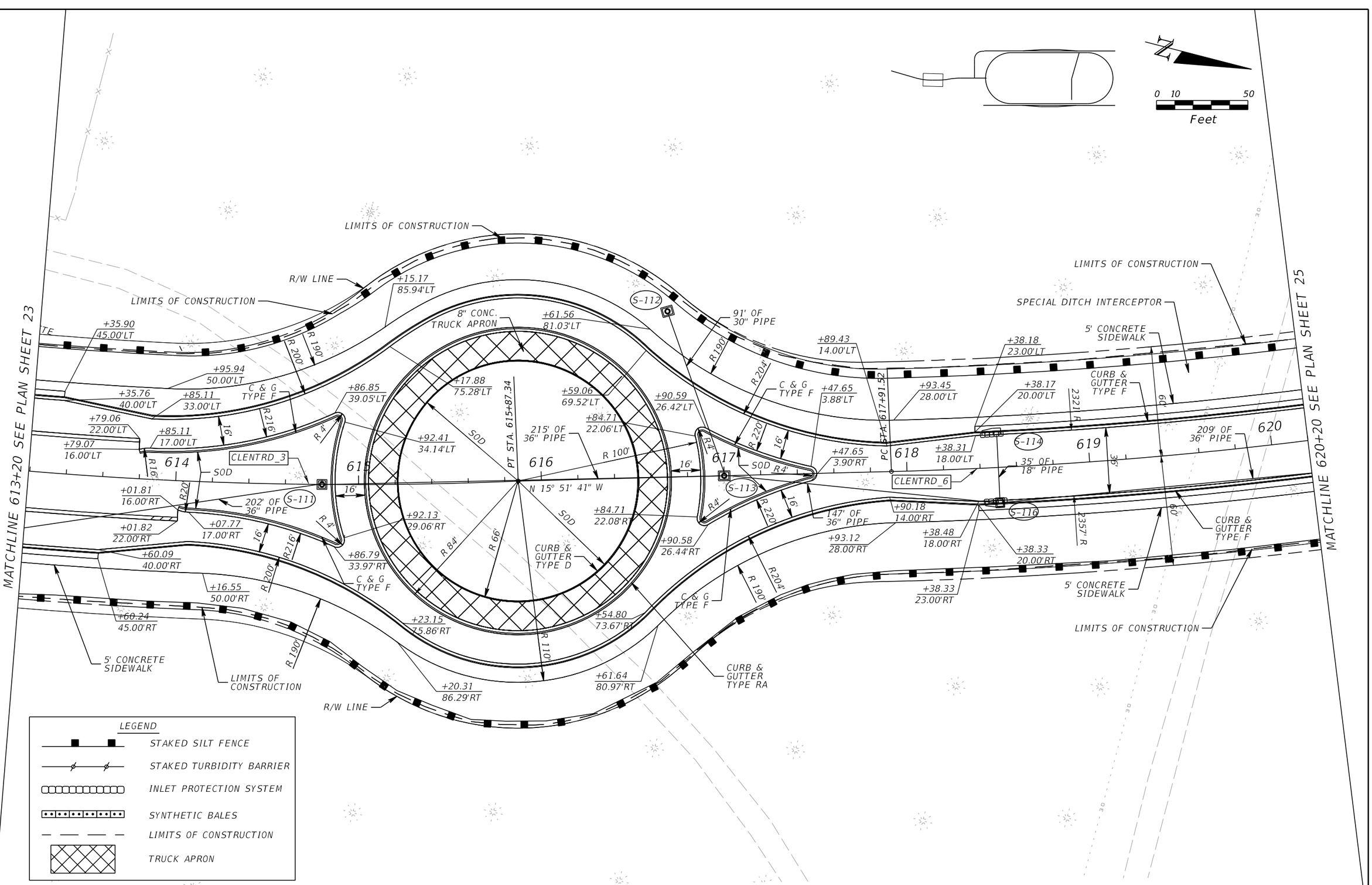
N/A	POLK	437300-1-52-01

ROADWAY PLAN (23)

SHEET NO. 88



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ROADWAY PLAN (24)

SHEET NO. 89

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LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

0 10 50

Feet

MATCHLINE 620+20 SEE PLAN SHEET 24

LIMITS OF CONSTRUCTION

R/W LINE

SPECIAL DITCH INTERCEPTOR

25' OF 24" PIPE

LIMITS OF CONSTRUCTION

35' OF 18" PIPE

34' OF 18" PIPE

+19.73 23.00'LT

+19.73 18.00'LT

5' CONC. SIDEWALK

CURB & GUTTER TYPE F

S-123A

+48.67 23.00'LT

S-117

S-120

CLENTRD_6

621

622

PRC STA 622 +19.73

623

CLENTRD_7

624

34' OF 24" PIPE

S-123

626

+48.67 18.00'LT

+48.67 18.00'RT

627

℄ CONST. ENTRANCE RD

S-125

PT STA. 626+48.67

295' OF 42" PIPE

N 15° 51' 41" W

S-119

S-122

+19.73 18.00'RT

5' CONC. SIDEWALK

395' OF 42" PIPE

CURB & GUTTER TYPE F

+48.67 23.00'RT

36" PIPE

36' OF 36" PIPE

+19.73 23.00'RT

R/W LINE

LIMITS OF CONSTRUCTION

LIMITS OF CONSTRUCTION

MATCHLINE 627+20 SEE PLAN SHEET 26

MATCHLINE SEE PLAN SHEET 31

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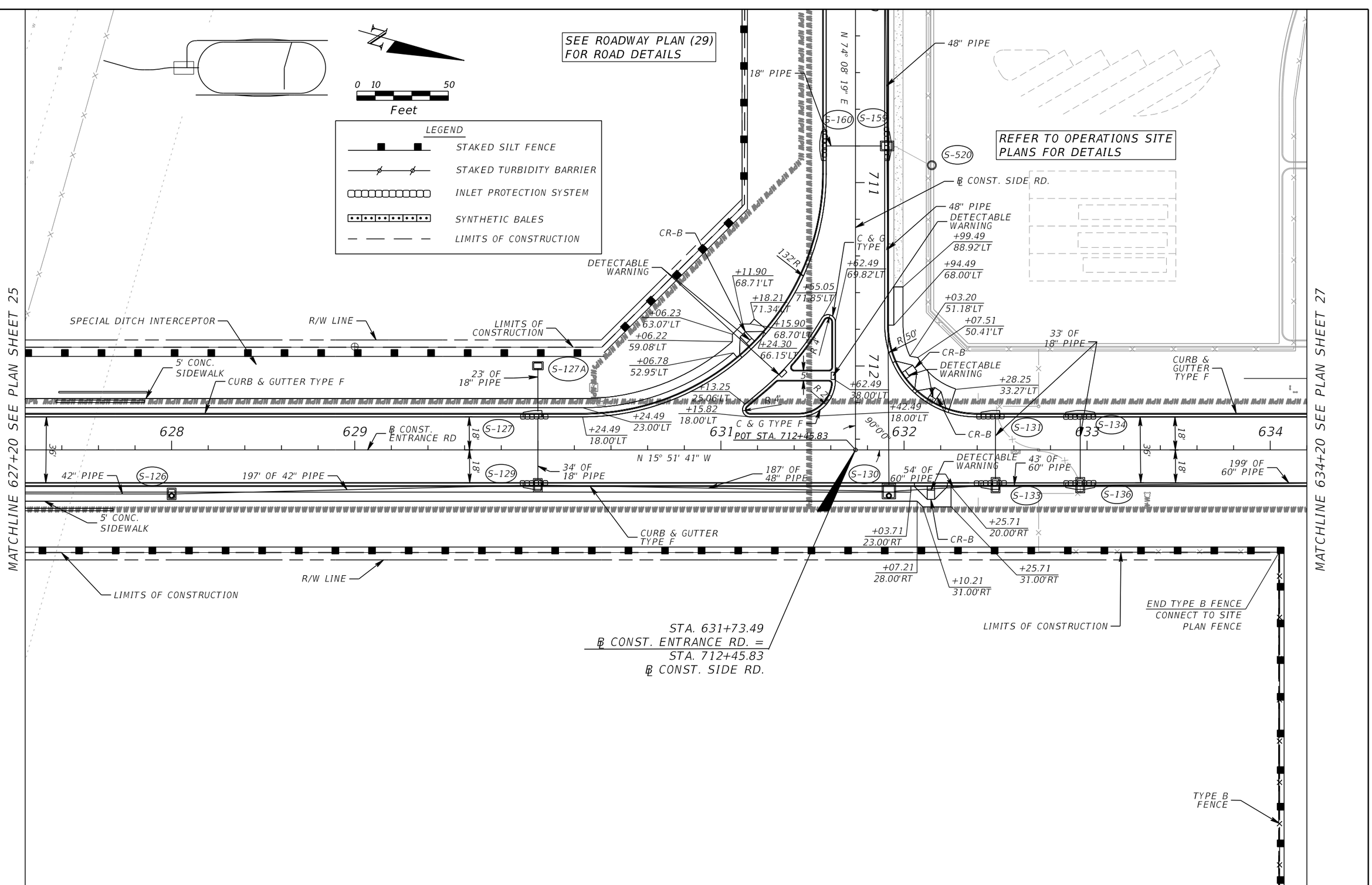
ROADWAY PLAN (25)

SHEET NO. 90



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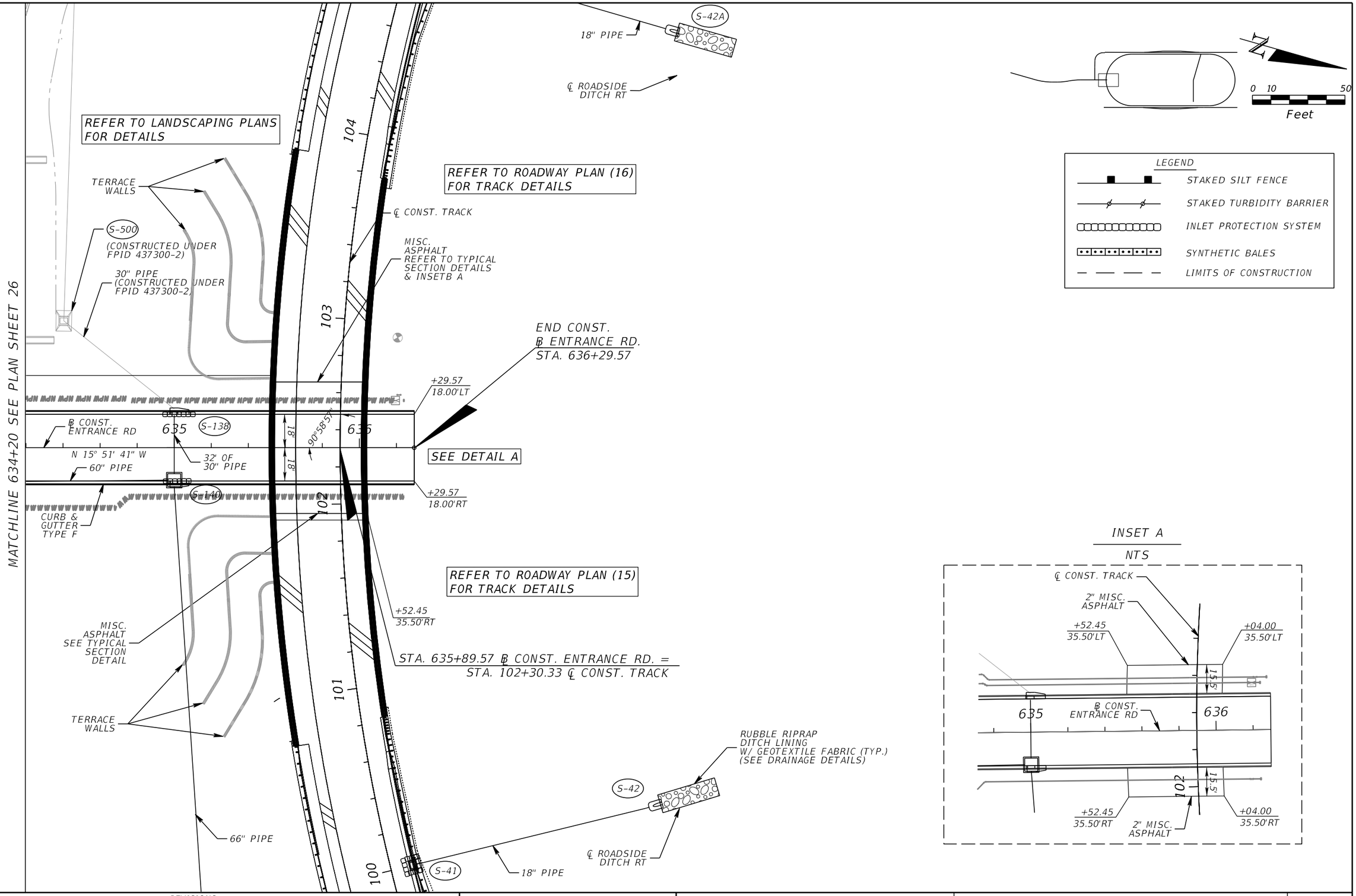
ROADWAY PLAN (26)

SHEET NO. 91



INSET A

NTS

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ROADWAY PLAN (27)

SHEET NO. 92

REFER TO OPERATIONS SITE PLANS FOR DETAILS

MATCHLINE 709+60 SEE PLAN SHEET 29

MATCHLINE 702+60 SEE PLAN SHEET 18

℄ CONST. SIDE RD.

CURB & GUTTER TYPE F

+37.59 18.00',LT

+22.59 11.00',LT

+66.50 16.00',LT

+88.30 11.00',RT

+88.30 16.00',RT

375' OF 48" PIPE

S-522 (CONSTRUCTED UNDER FPID 437300-2)

18" PIPE (CONSTRUCTED UNDER FPID 437300-2)

S-157

37' OF 18" PIPE

S-158

LIMITS OF CONSTRUCTION

R/W LINE

S-530 (CONSTRUCTED UNDER FPID 437300-2)

30" PIPE (CONSTRUCTED UNDER FPID 437300-2)

PT STA. 705+38.83

SHLDR. LINE

SHLDR. PAVT.

N 74° 08' 19" E

303' OF 42" PIPE

+02.72 19.00',LT

+02.72 11.00',LT

CL CST_3

+31.83 20.00',RT

END GR TL-3 STA. 705+91.96, 24.00' RT. CONST. FLARED TERMINAL

EOP

℄ CONST. SIDE RD.

℄ ROADSIDE DITCH RT

MISC. ASPHALT

S-156

GUARDRAIL

LIMITS OF CON

705

706

707

708

709

704

703

SPT-2

SPT-3

0 10 50

Feet

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

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N/A	POLK	437300-1-52-01

ROADWAY PLAN (28)

SHEET NO. 93

MATCHLINE 709+60 SEE PLAN SHEET 28

REFER TO OPERATIONS SITE PLANS FOR DETAILS

℄ SIDE ROAD STA. 711+56.91, 21.00'LT.
CONNECT TO SIDEWALK (SUNTRAX FACILITY)

18" PIPE (CONSTRUCTED UNDER FPID 437300-2)

30' OF 18" PIPE

CURB & GUTTER TYPE F

5' CONC. SIDEWALK

S-520 (CONSTRUCTED UNDER FPID 437300-2)

S-159

710 711 712

℄ CONST. SIDE RD.

16' 32' 16'

N 74° 08' 19" E

375' OF 48" PIPE

S-160

183' OF 48" PIPE

90°0'0"

CURB & GUTTER TYPE F

+94.83
16.00',RT

R/W LINE

LIMITS OF CONSTRUCTION

+08.74
61.88',RT

+85.83
138.80',RT

18" PIPE

S-127A

634

60" PIPE

18" PIPE

633

60" PIPE

S-134 S-136

S-131 S-133

60" PIPE

632

S-130

END ℄ CONST. SIDE RD. STA. 712+45.83 =
STA. 631+73.49 CONST. ℄ ENTRANCE RD.

SEE ROADWAY PLAN 26 FOR ROAD DETAILS

48" PIPE

631

N 15 51' 41" W

R/W LINE

18" PIPE

630

S-127 S-129

42" PIPE

LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION

N

0 10 50
Feet

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ROADWAY PLAN (29)

SHEET NO. 94

REFER TO ROADWAY PLAN (4)
FOR TRACK DETAILS

℄ CONST. PROP STA. 900+00.00 =
℄ TRACK STA. 25+55.31

106°6'47"

900

368' OF 24" PIPE

S 89° 44' 54" E

905

397' OF 24" PIPE

℄ CONST. PROP

OCS-7

394' OF 24" PIPE

910

99' OF 24" PIPE

OCS-6

OCS-5

℄ CONST. PROP

N 74° 09' 02" E

24" PIPE

MATCHLINE STA. 913+00.00
SEE THIS PLAN SHEET

OCS-9

S-8

OCS-8

S-7

25

℄ CONST. TRACK

CD-2

CD-1

SURFACE WATER SW-1

SURFACE WATER SW-5

INTERCEPTOR DITCH

ROADSIDE
DITCH RT

N

0 20 100
Feet

MATCHLINE STA. 913+00.00 SEE THIS PLAN SHEET

END ℄ CONST. PROP
STA. 918+04.73

℄ CONST. TRACK

INTERCEPTOR DITCH

ROADSIDE
DITCH RT

℄ CONST. PROP

915

N 74° 09' 02" E

OCS-3

397' OF 24" PIPE

OCS-4

377' OF 24" PIPE

S-17

435

520

65

N

0 20 100
Feet

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ROADWAY PLAN (30)

SHEET NO. 95

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

N

0 10 50

Feet

MATCHLINE SEE PLAN SHEET 25

PROPOSED CELL TOWER EASEMENT

LIMITS OF CONSTRUCTION

WATER

LIMITS OF CONSTRUCTION

WETLAND
W-7

MATCHLINE SEE PLAN SHEET 32

NOTE: REFER TO SUNTRAX TEST FACILITY UTILITY PLANS

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ROADWAY PLAN (31)

SHEET NO. 96

MATCHLINE SEE PLAN SHEET 31

EASEMENT

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

SYNTHETIC BALES

LIMITS OF CONSTRUCTION

N

0 10 50

Feet

LIMITS OF CONSTRUCTION

WETLAND W-7

LIMITS OF CONSTRUCTION

WETLAND W-7

TECO AUBURNDALE TRAIL

NOTE: REFER TO SUNTRAX TEST FACILITY UTILITY PLANS

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ROADWAY PLAN (32)

SHEET NO. 97

LEGEND

STAKED SILT FENCE

STAKED TURBIDITY BARRIER

INLET PROTECTION SYSTEM

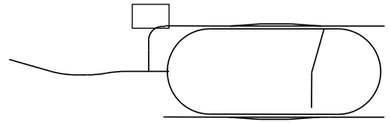
SYNTHETIC BALES

LIMITS OF CONSTRUCTION

N

0 10 50

Feet



LIMITS OF CONSTRUCTION

STAKED SILT FENCE

OSPREY NEST
200+02.56
242.70' LT
℄ CONST. WSAWAY

LA R/W LINE

FIBER OPTIC CONDUIT

R/W LINE

MATCH LINE SEE PLAN SHEET 18

SILT FENCE

LIMITS OF CONSTRUCTION

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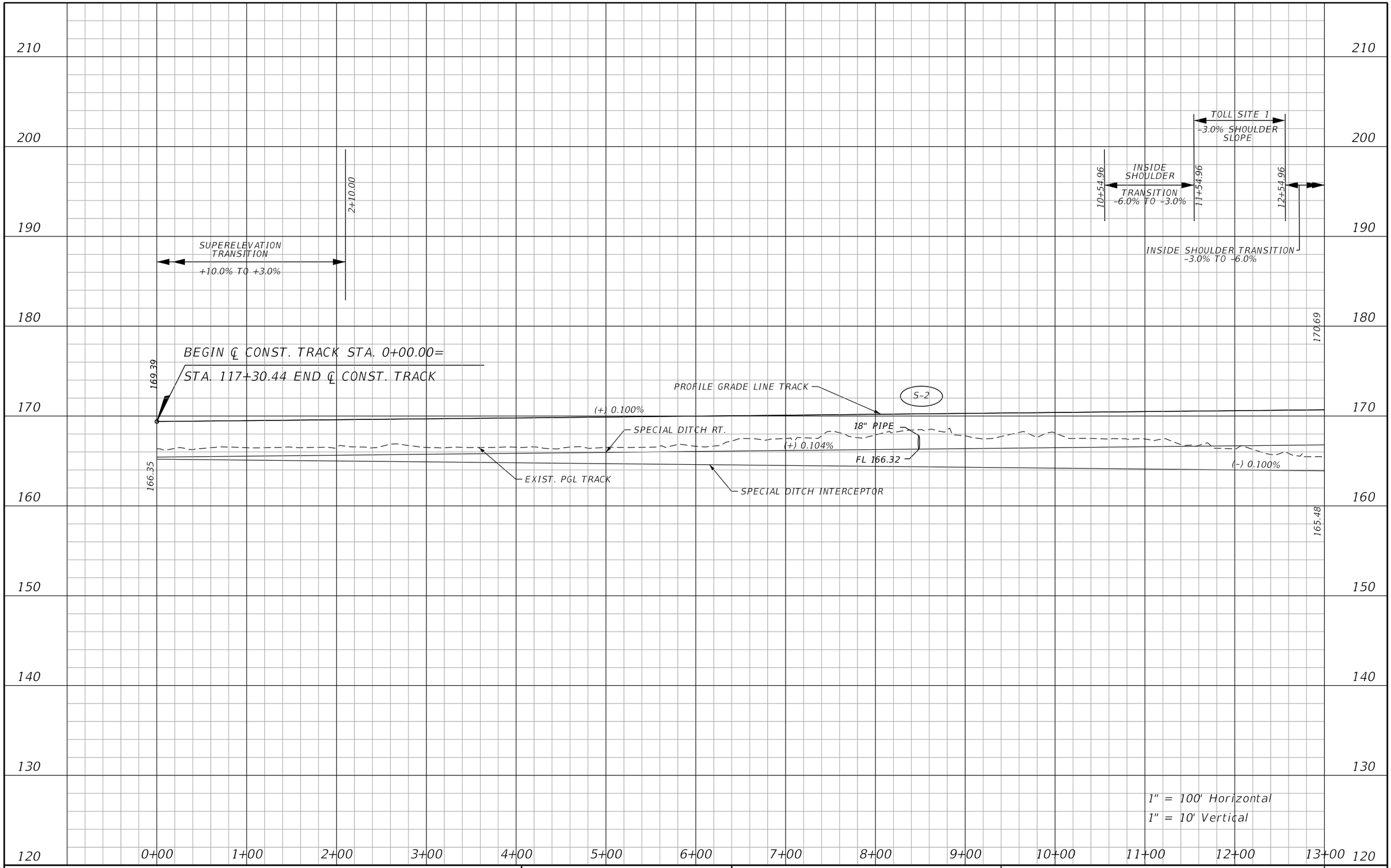
ROADWAY PLAN (33)

SHEET NO. 98



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ROADWAY PROFILE TRACK

SHEET NO. 99

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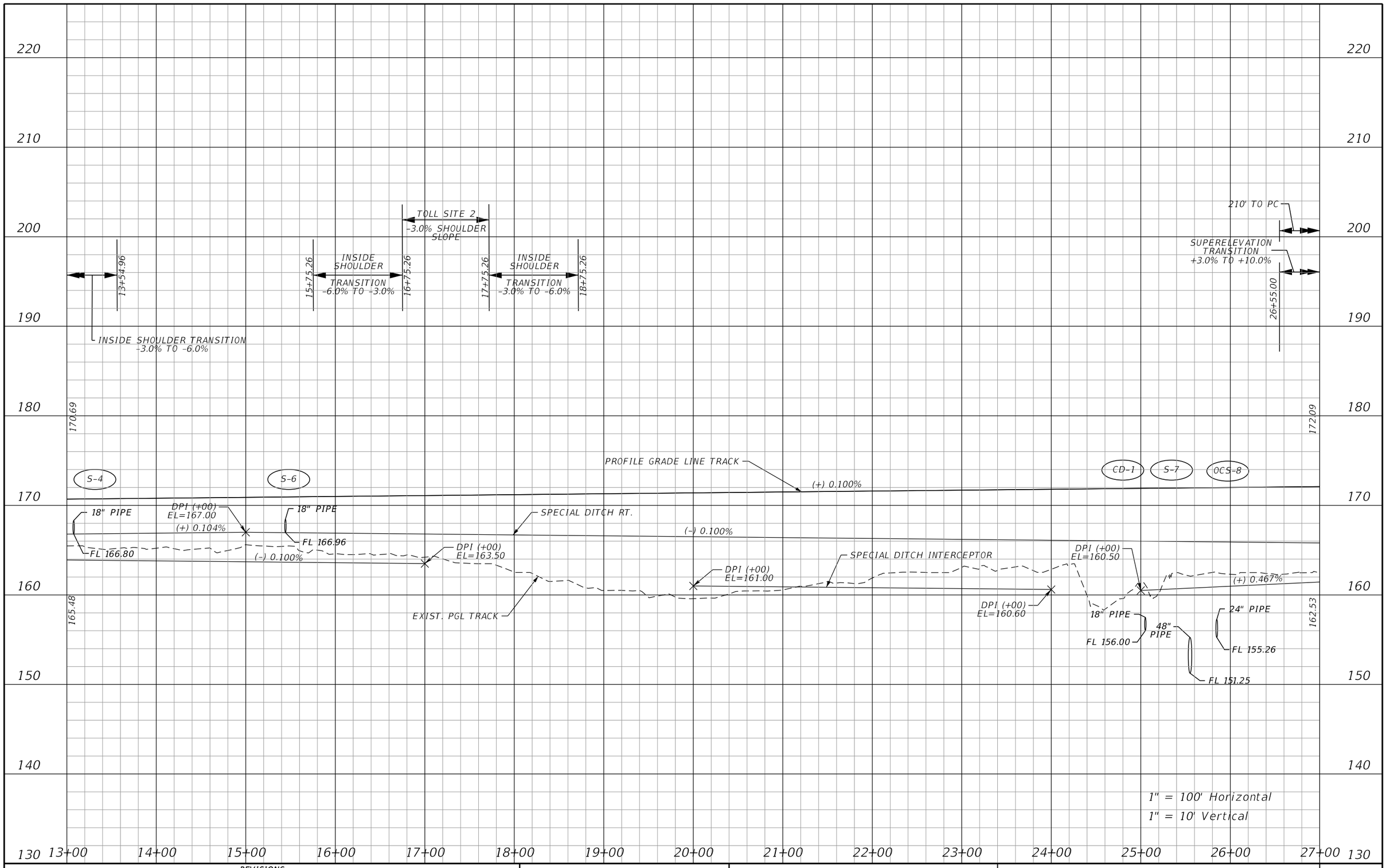

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ROADWAY PROFILE TRACK

SHEET NO. 100

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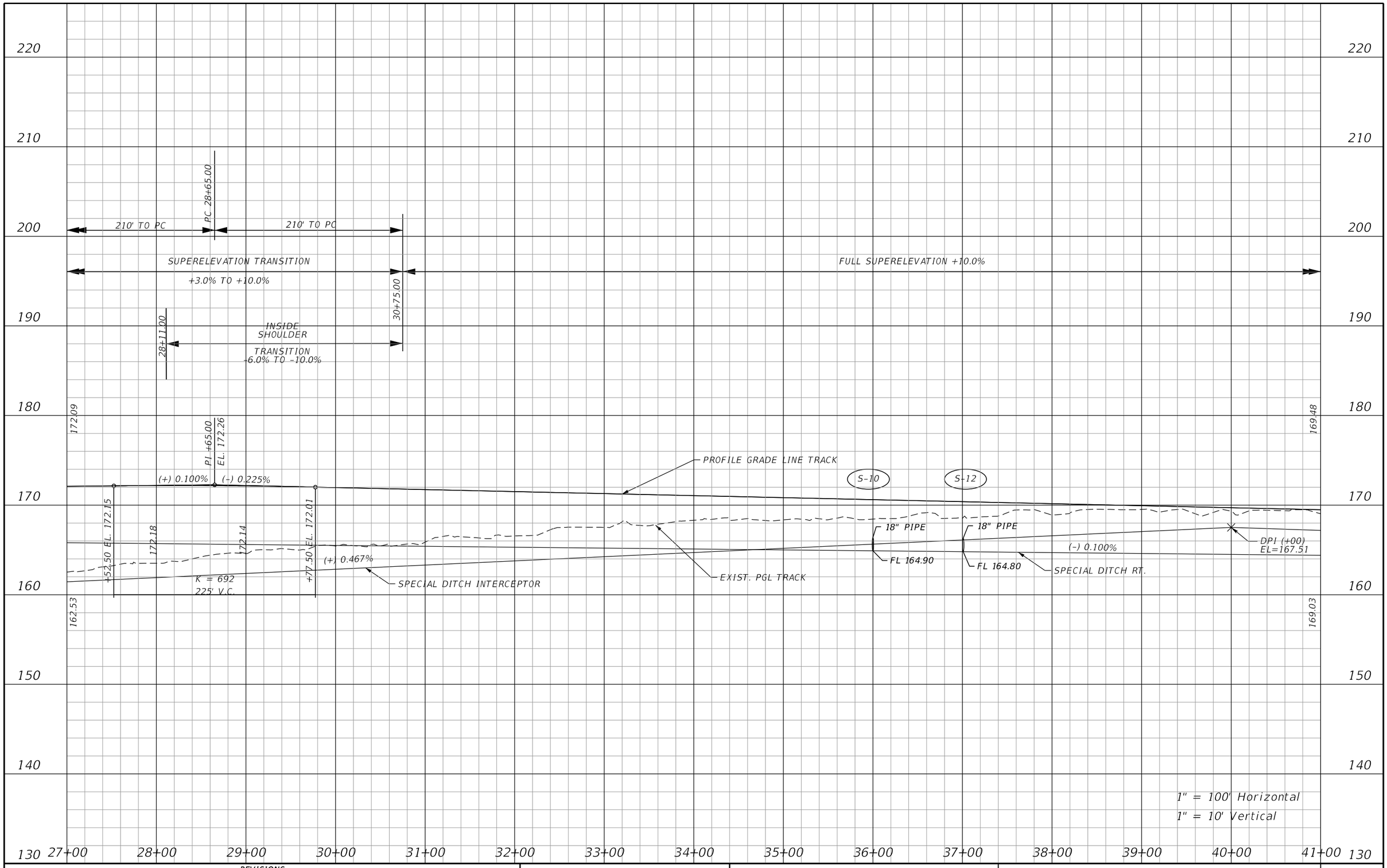

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ROADWAY PROFILE TRACK

SHEET NO. 101

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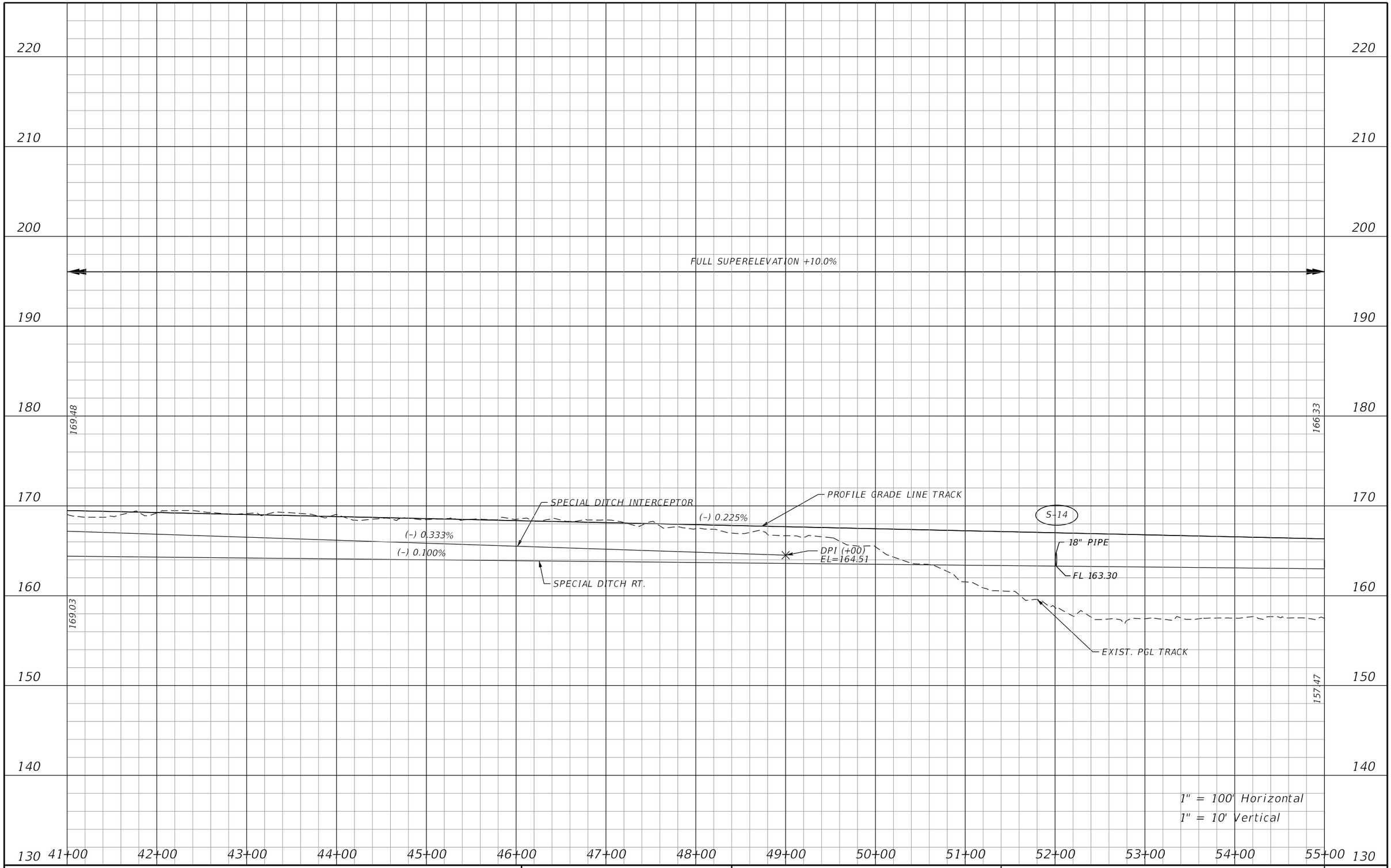

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ROADWAY PROFILE TRACK

SHEET NO. 102

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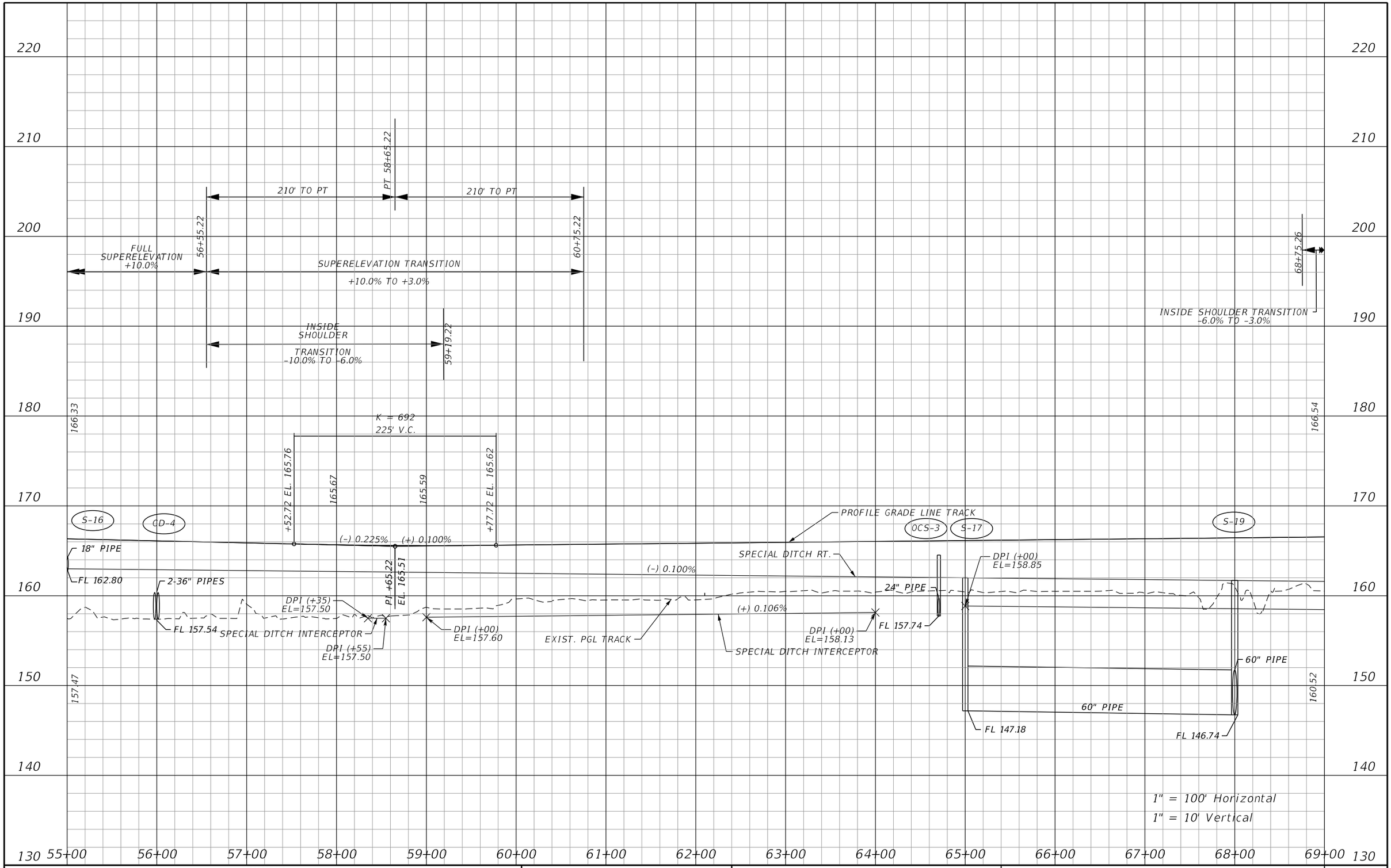

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BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

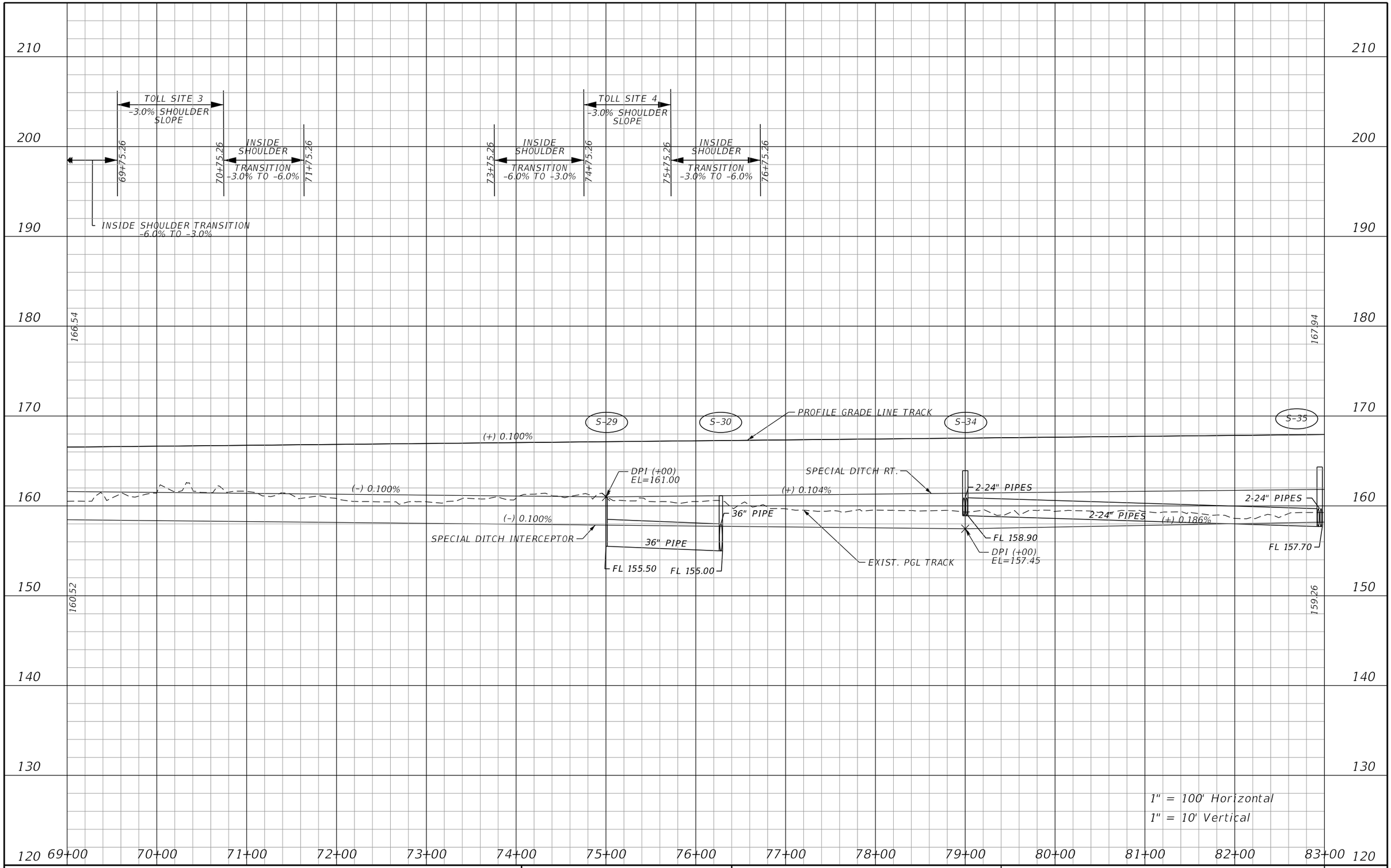
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE TRACK

SHEET NO. 103

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE TRACK

SHEET NO. 104

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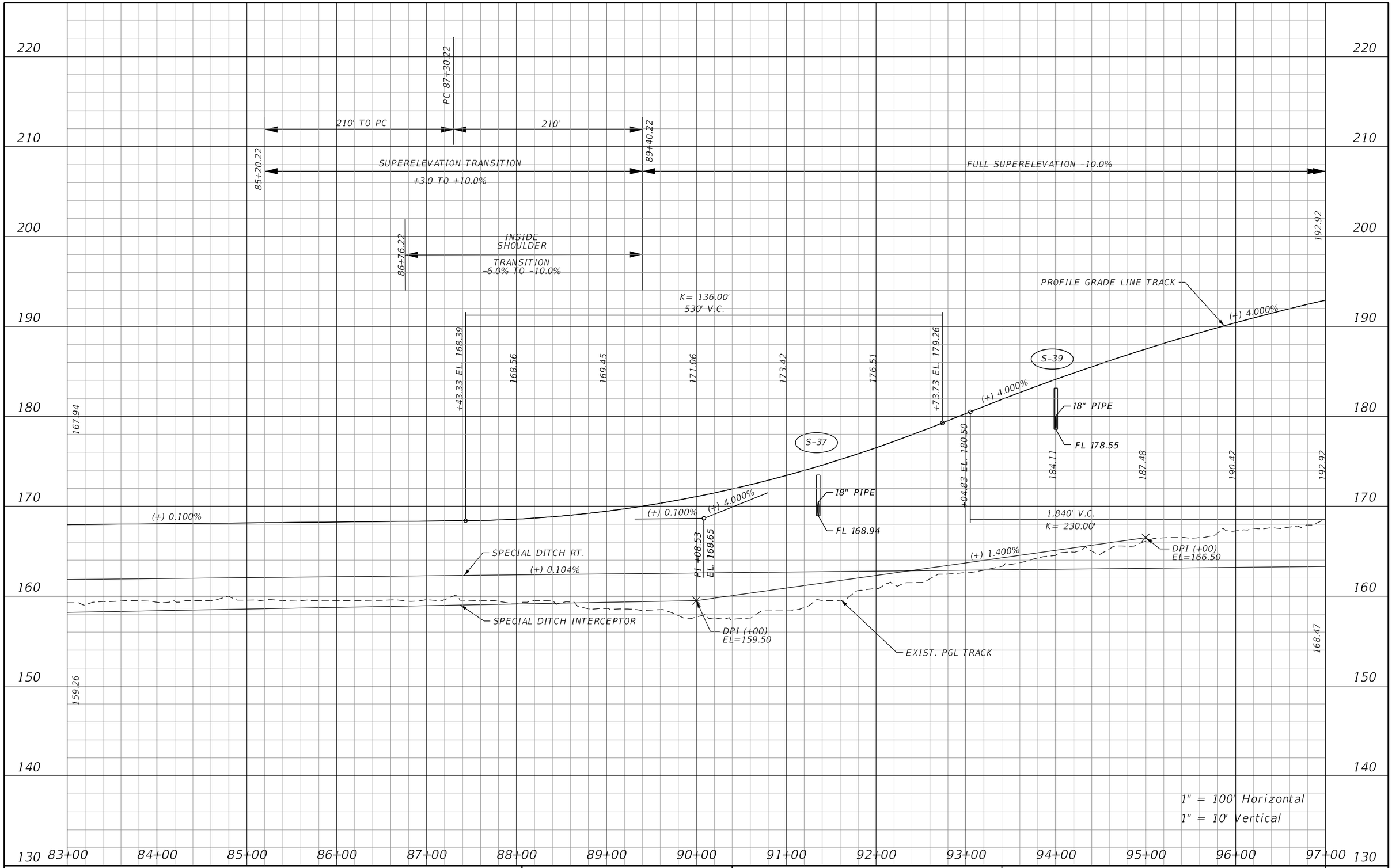

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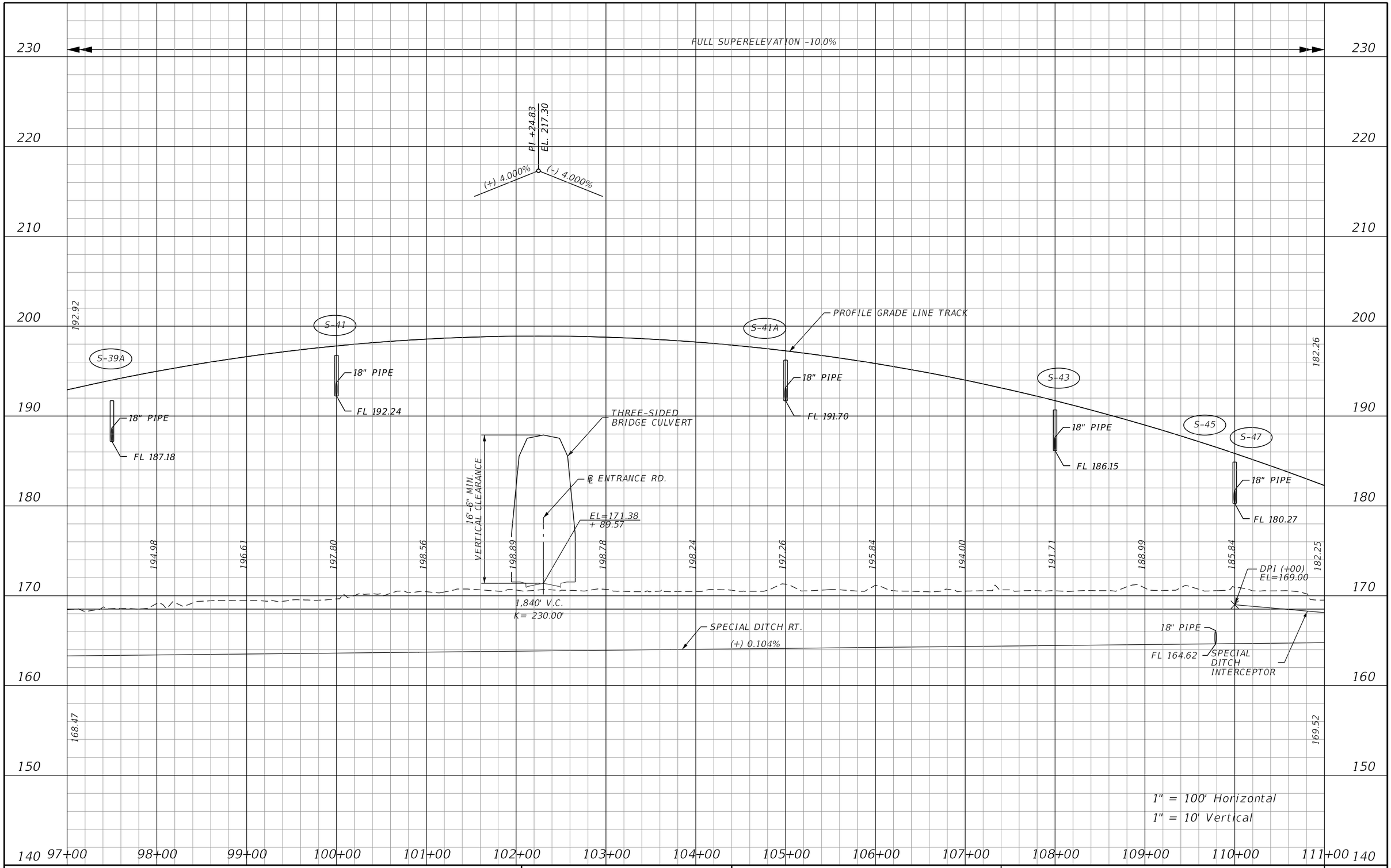
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE TRACK

SHEET NO. 105



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE TRACK

SHEET NO. 106

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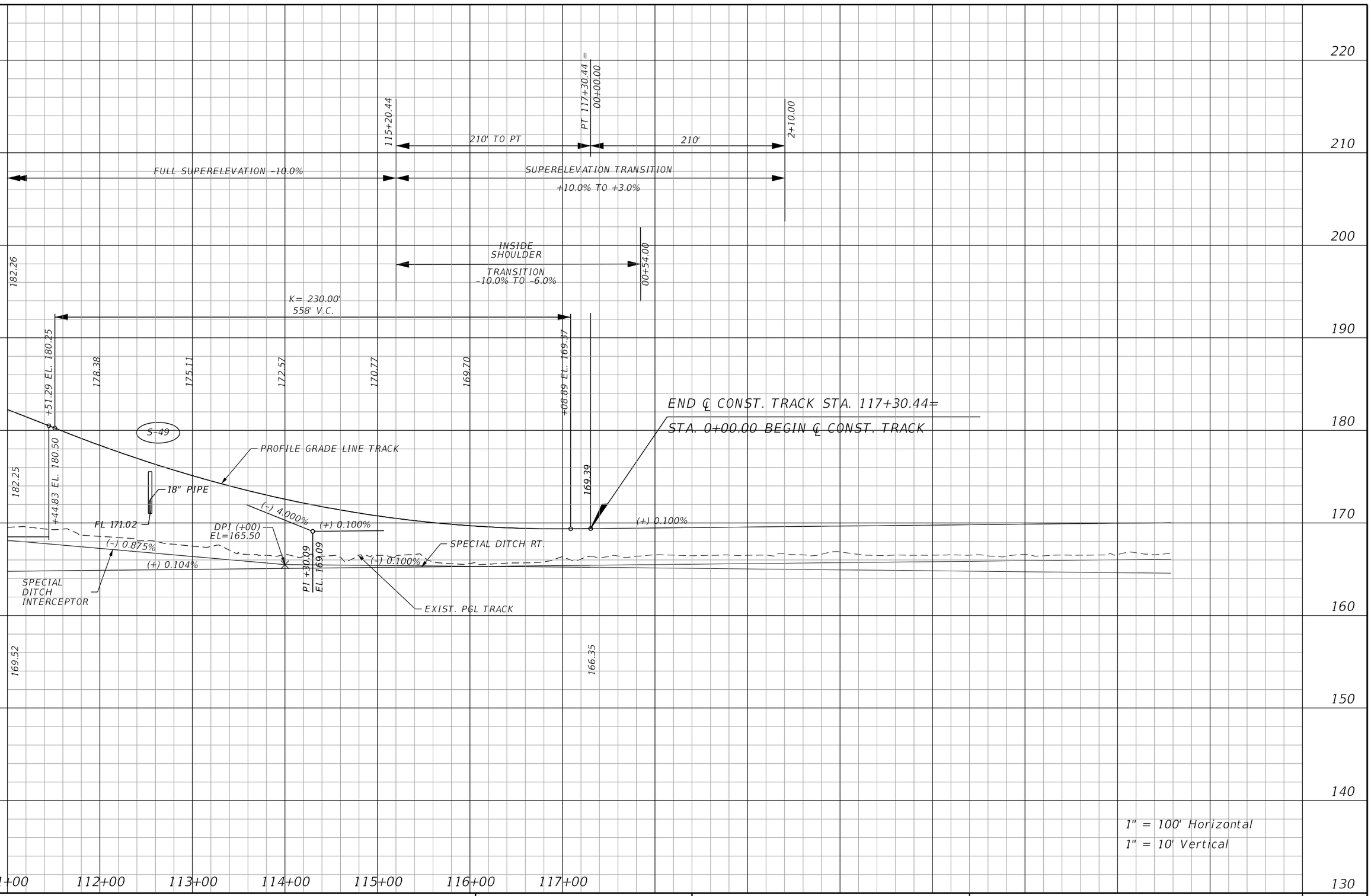

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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160 NORTH WESTMONTE DRIVE, SUITE 2000
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE TRACK

SHEET NO. 107

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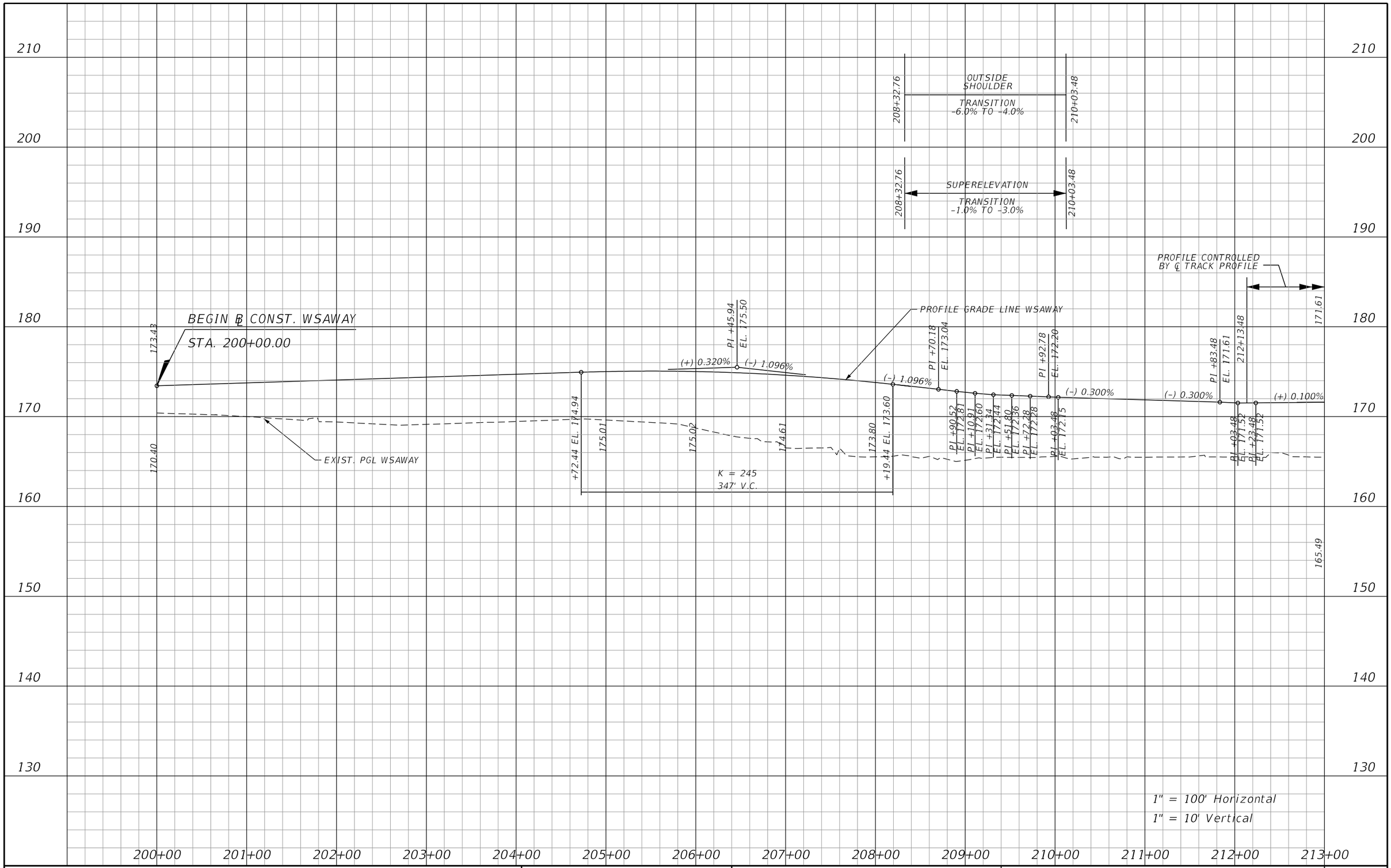

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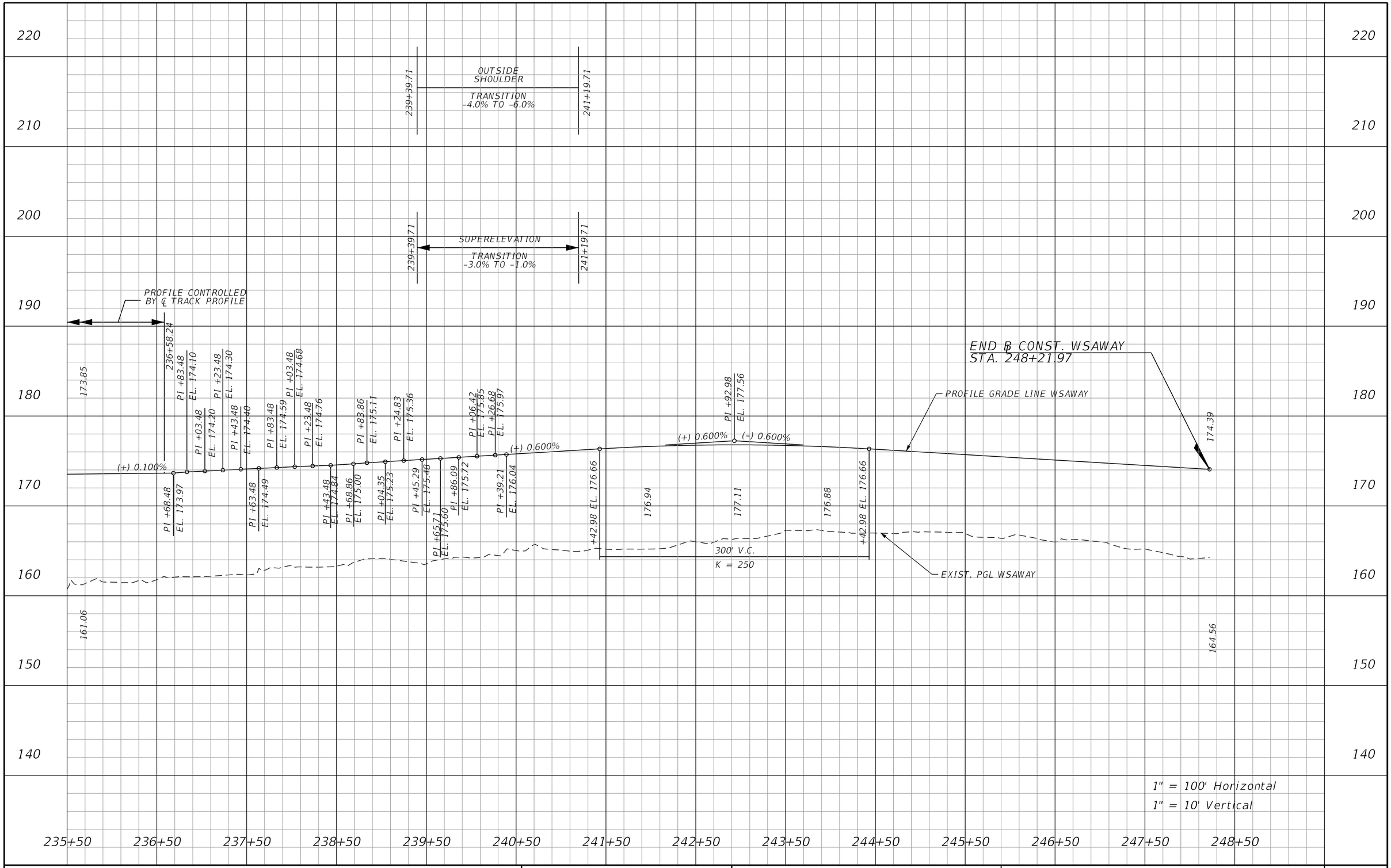
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
WEST STRAIGHT-AWAY

SHEET NO. 108



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
WEST STRAIGHT-AWAY

SHEET NO. 109

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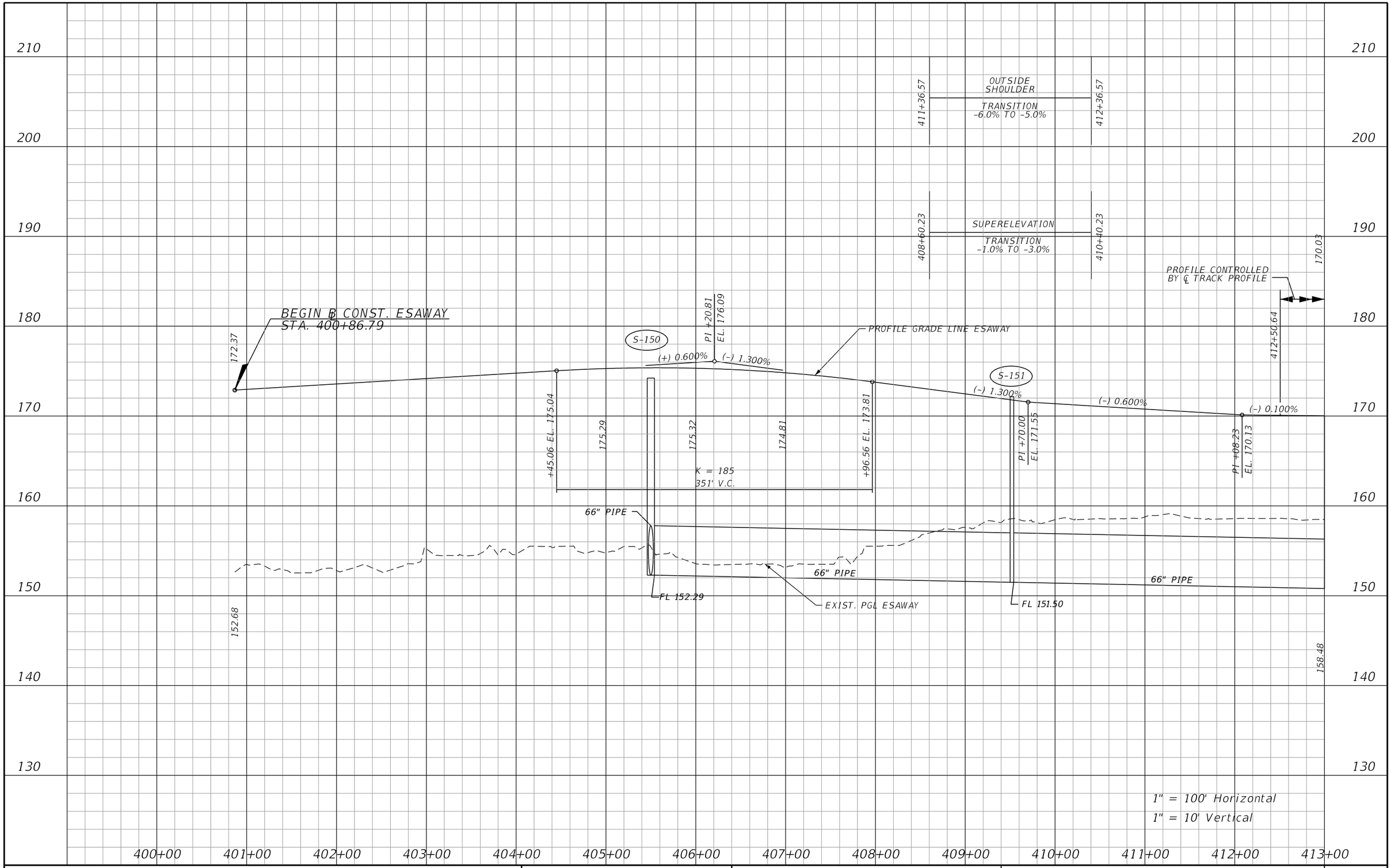

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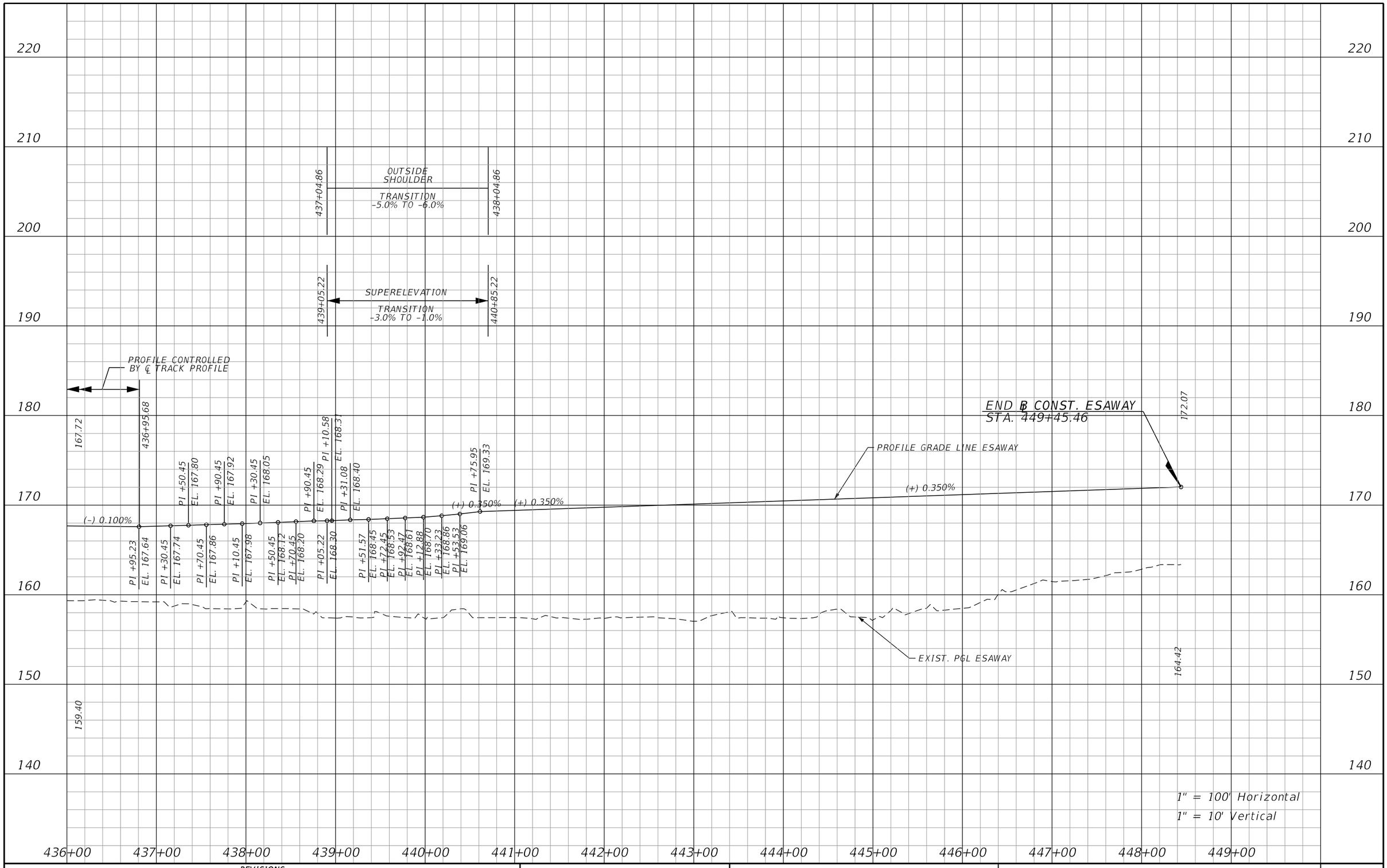
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
EAST STRAIGHT-AWAY

SHEET NO. 110



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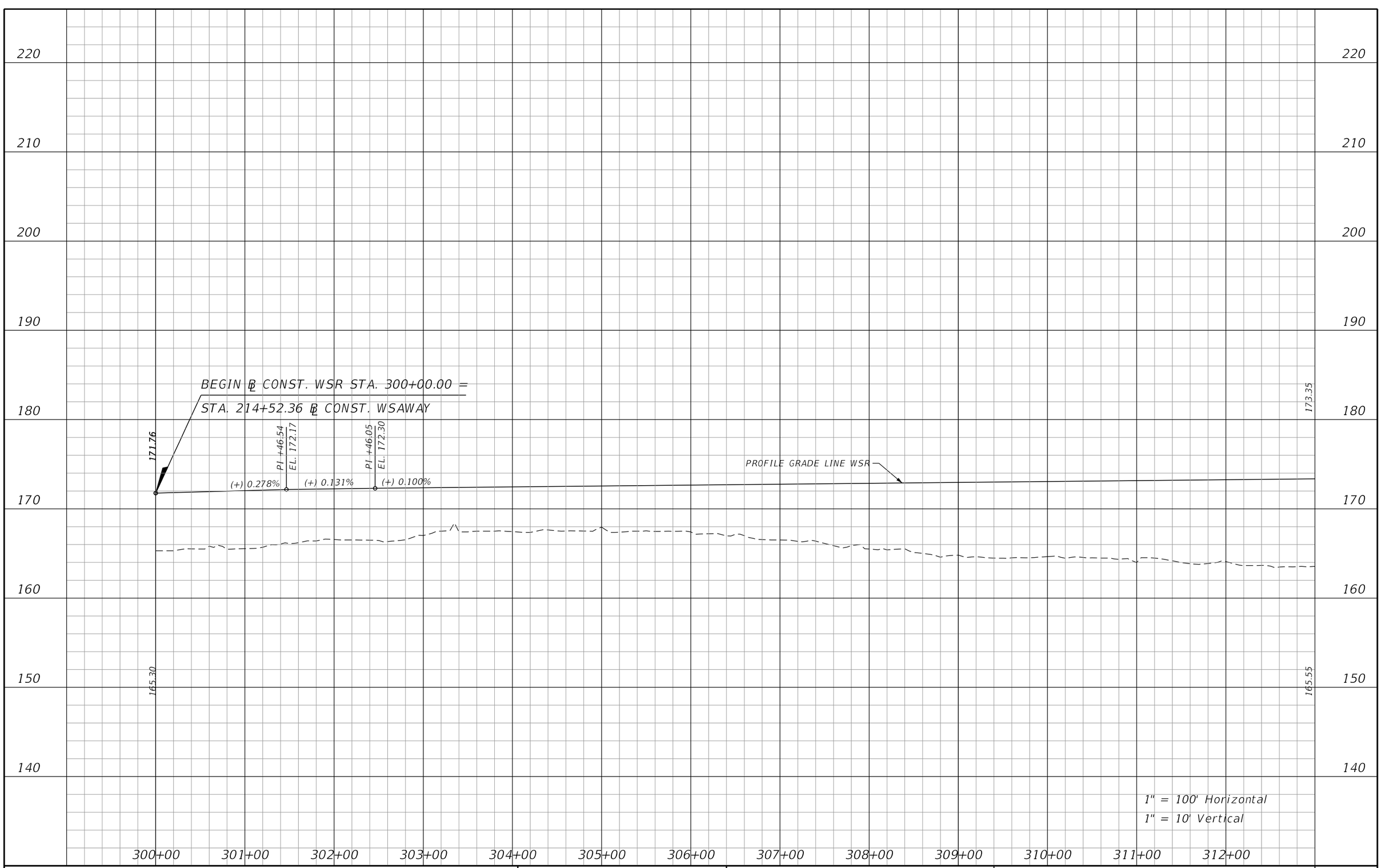
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
EAST STRAIGHT-AWAY

SHEET NO. 111

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



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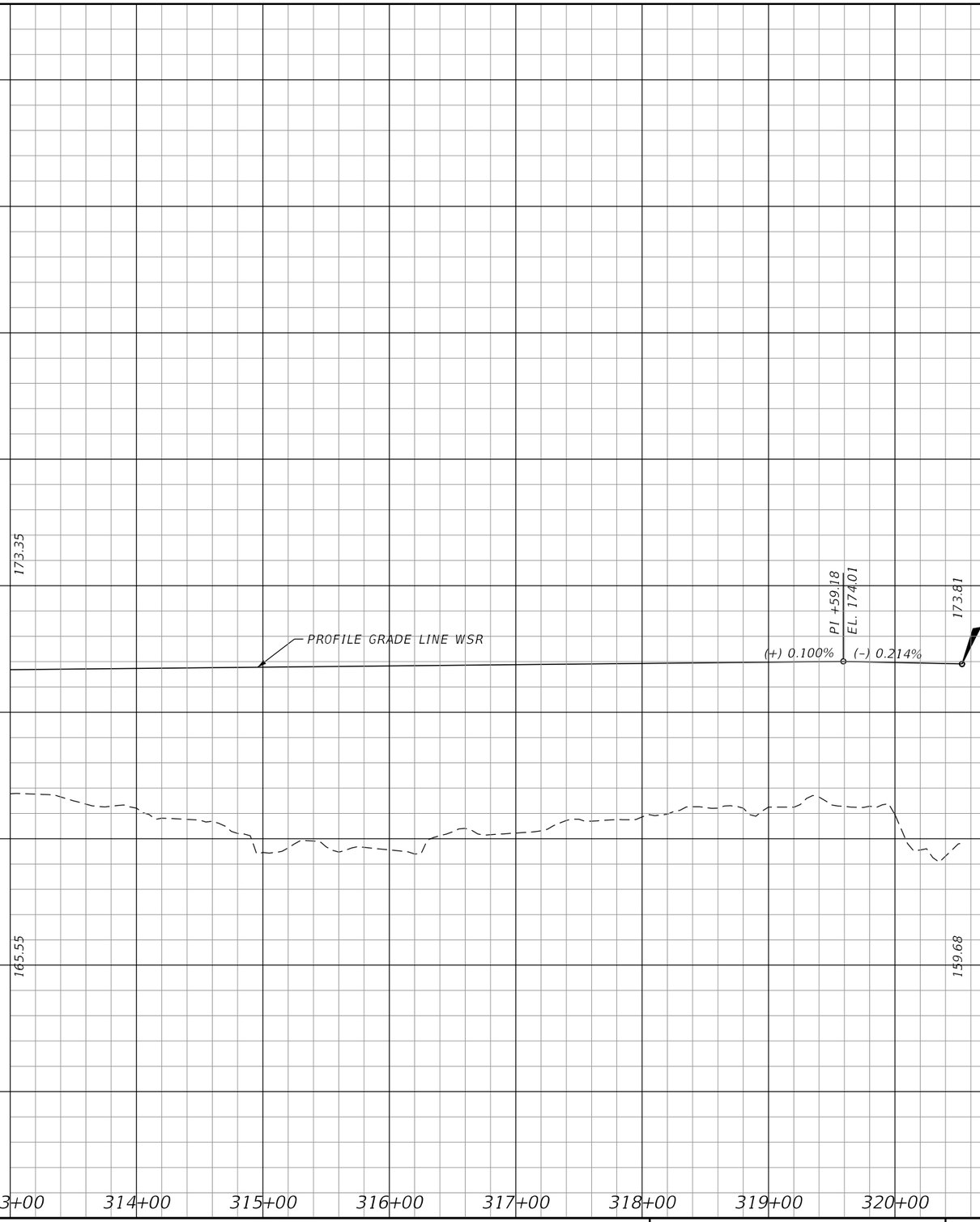
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
WEST SERVICE ROAD

SHEET NO. 112

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



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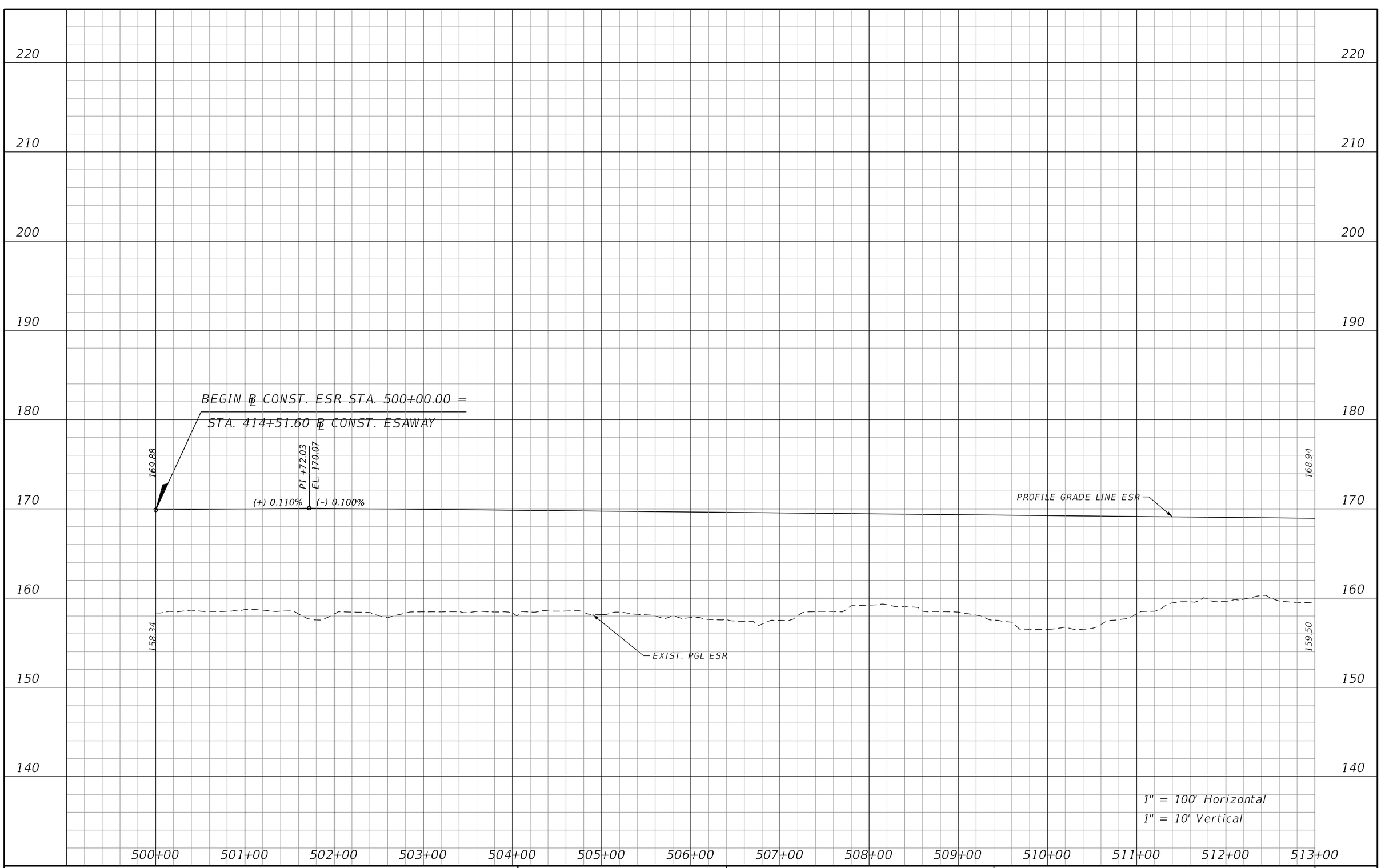
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
WEST SERVICE ROAD

SHEET NO. 113

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



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
EAST SERVICE ROAD

SHEET NO. 114

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220
210
200
190
180
170
160
150
140

168.94

PROFILE GRADE LINE ESR

(–) 0.100%

(–) 0.309%

PI +69.59
EL. 168.38

167.84

END ℄ CONST. ESR STA. 520+41.61 =
STA. 434+89.83 ℄ CONST. ESAWAY

159.50

EXIST. PGL ESR

160.19

513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00

1" = 100' Horizontal
1" = 10' Vertical

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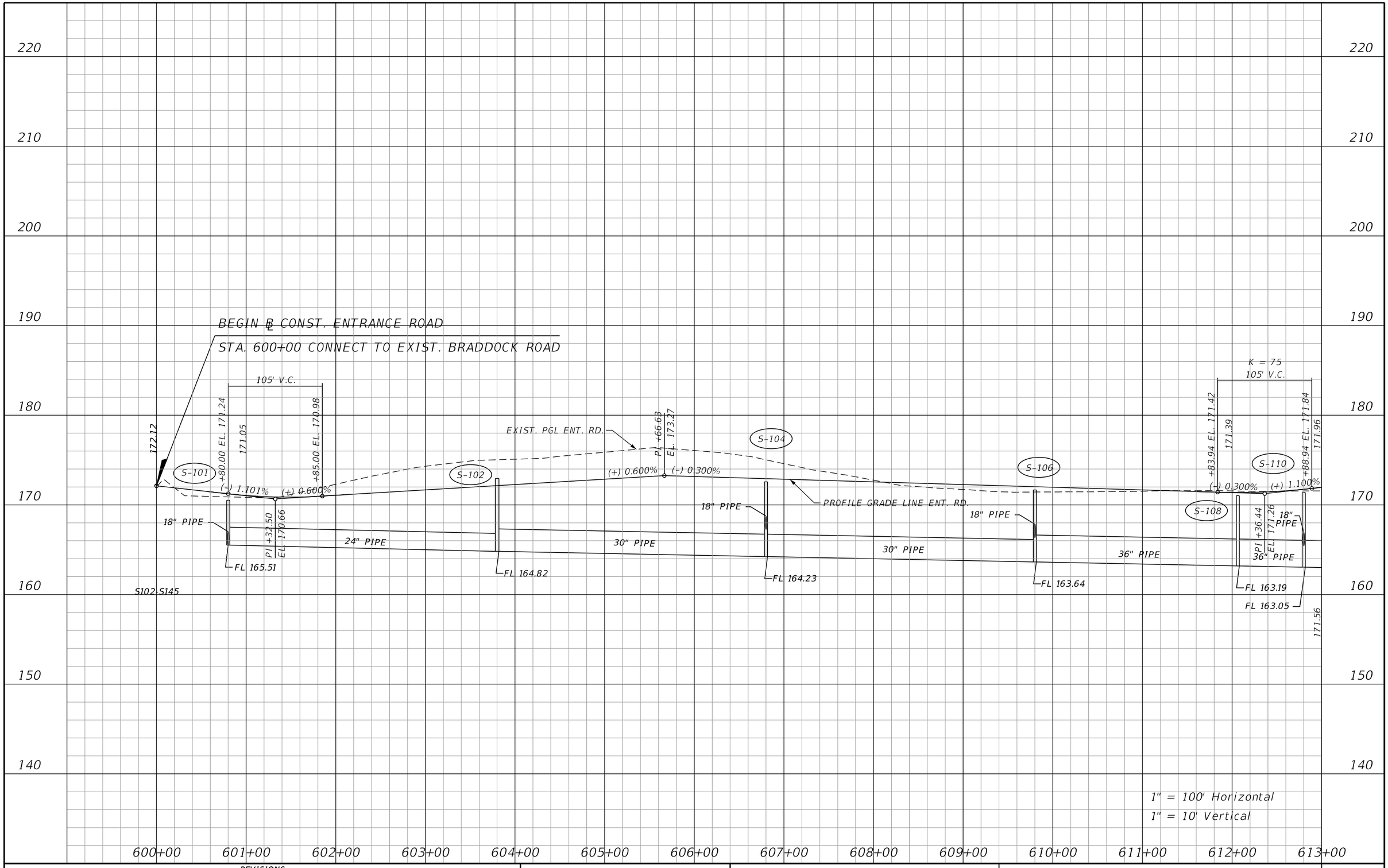
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
EAST SERVICE ROAD

SHEET NO. 115



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
ENTRANCE ROAD

SHEET NO. 116

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

END PGL ℄ CONST. ENTRANCE ROAD
STA. 613+79.06 (SEE ROUNDABOUT GRADING PLAN)

BEGIN PGL ℄ CONST. ENTRANCE ROAD
STA. 617+50.71 (SEE ROUNDABOUT GRADING PLAN)

CENTRAL ISLAND
(ROUNDABOUT)

K = 75
105' V.C.

PROFILE GRADE LINE ENT. RD

EXIST. PGL ENT. RD

SPECIAL DITCH INTERCEPTOR

DPI (+00)
EL=167.70

DPI (+00)
EL=167.00

EXIST
19.5" FM

8" NPW

8" W

1" = 100' Horizontal
1" = 10' Vertical

REVISIONS			
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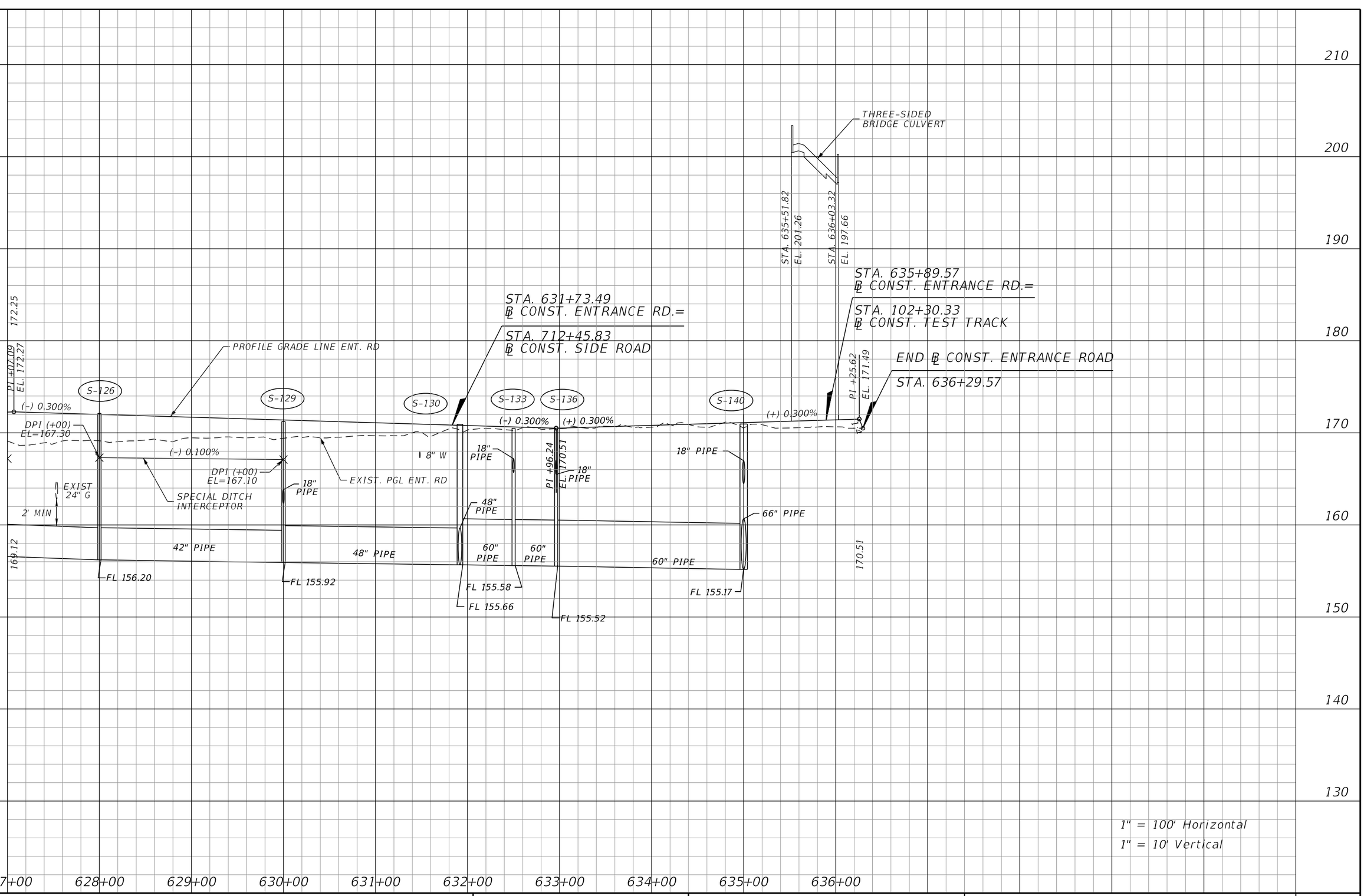
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
ENTRANCE ROAD

SHEET NO. 117

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



REVISIONS			
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DEPARTMENT OF TRANSPORTATION

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ROADWAY PROFILE
ENTRANCE ROAD

SHEET NO. 118

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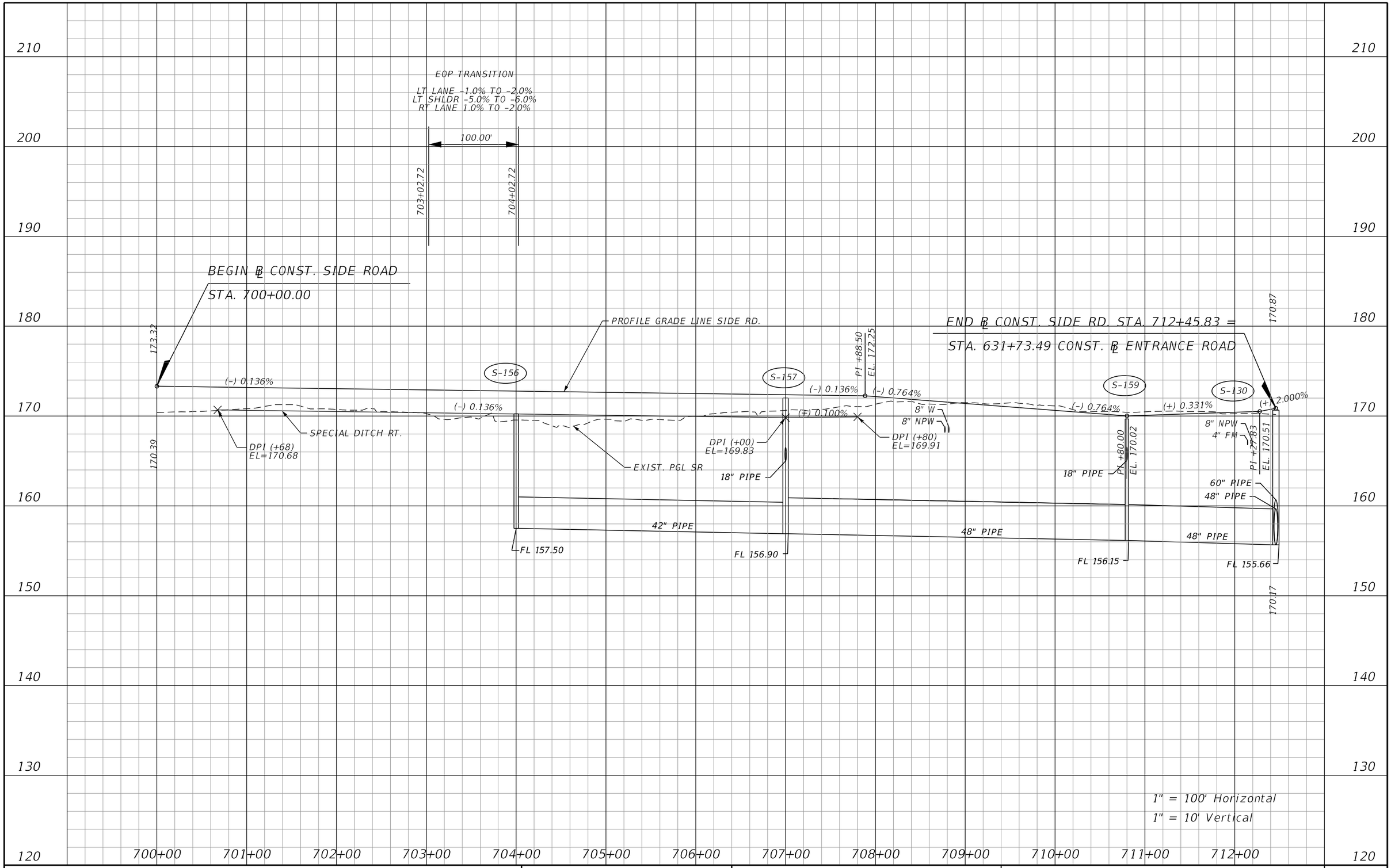

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STATE OF FLORIDA
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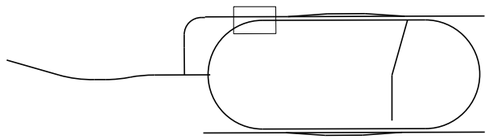
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY PROFILE
SIDE ROAD

SHEET NO. 119

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



0 6 30
Feet

℄ CONST. WSAWAY

+32.76 173.45' | +49.90 173.26' | +70.18 173.04' | +90.52 172.81' | +10.91 172.60' | +31.34 172.44' | +51.80 172.36' | +72.28 172.28' | +92.78 172.20' | +03.48 172.15'

207 | 208 | 209 | 210 | 211

N 15° 51' 41" W

0.011 | 0.013 | 0.015 | 0.017 | 0.020 | 0.022 | 0.024 | 0.027 | 0.029 | 0.03 | 0.03 | 0.03 | 0.03

36.00'RT 173.05' | 36.00'RT 172.77' | 36.00'RT 172.47' | 36.00'RT 172.16' | 36.00'RT 171.87' | 36.00'RT 171.63' | 36.00'RT 171.47' | 36.00'RT 171.30' | 36.00'RT 171.14' | 36.00'RT 171.07'

19'

0.043 | 0.047 | 0.053 | 0.055 | 0.056 | 0.056 | 0.062 | 0.057 | 0.039 | 0.03 | 0.03 | 0.03 | 0.03

24.00'LT 172.24' | 24.00'LT 172.02' | 24.00'LT 171.78' | 24.00'LT 171.58' | 24.00'LT 171.40' | 24.00'LT 171.25' | 24.00'LT 171.14' | 24.00'LT 171.05' | 24.00'LT 170.98' | 24.00'LT 170.95'

+00.00 169.39'

0.058 | 0.055 | 0.052

N 15° 51' 41" W

+00.00 169.70' | +20.00 169.57' | +40.00 169.48' | +60.00 169.41' | +80.00 169.37' | +00.00 169.37' | 117 +20.00 169.38'

116

+63.05 170.00' | +80.00 169.85' | +40.00 170.25' | +20.00 170.50' | +00.00 170.77 | 115

01.03'RT 169.48' | 00.05'RT 169.48' | 02.21'RT 169.51' | 03.58'RT 169.53' | 04.89'RT 169.55' | 06.90'RT 169.58' | 08.89'RT 169.61' | 10.97'RT 169.67' | 13.29'RT 169.74' | 15.79'RT 169.83' | 18.81'RT 169.93' | 114

15.05'RT 168.28' | 15.00'RT 168.31' | 16.03'RT 168.24' | 17.21'RT 168.20' | 18.58'RT 168.18' | 19.89'RT 168.15' | 21.90'RT 168.13' | 23.89'RT 168.11' | 25.97'RT 168.17' | 28.29'RT 168.24' | 30.79'RT 168.33' | 33.81'RT 168.43'

0.073 | 0.070 | 0.067 | 0.077 | 0.080 | 0.083 | 0.087 | 0.090 | 0.093 | 0.097 | 0.10 | 0.10 | 0.10 | 0.10

R 237'

PT STA. 117+30.44

590.0

℄ CONST. TRACK

CL_6 +37.60 171.81

CONNECTS TO FUTURE RAMP

CONNECTS TO FUTURE RAMP

EXISTING GRADELINE

STA. 114+37.60

STA. 116+40.00

EL 168.43'

10' +/-

RAMP STUB EOP

1:4

167' +/-

RAMP STUB TIE DOWN

SOUTH WSAWAY / TRACK

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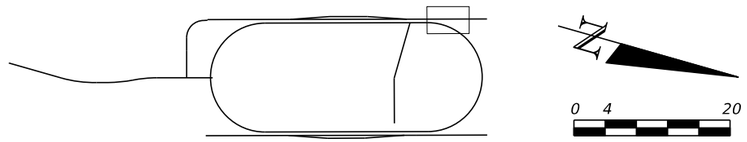
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (1)

SHEET NO. 120



N

0 4 20

Feet

+68.48 175.00' | +83.86 175.11' | +04.35 175.23' | +24.83 175.36' | +45.29 175.48' | +65.71 175.60' | +86.09 175.72 | +06.42 175.85' | +26.68 175.97' | +39.21 176.04'

238 | 239 | 240

N 15° 51' 41" W

0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03

℄ CONST. WSAWAY

36.00' RT 173.92' | 36.00'RT 174.03 | 36.00'RT 174.15' | 36.00'RT 174.28' | 36.00'RT 174.40' | 36.00'RT 174.52' | 36.00'RT 174.64' | 36.00'RT 174.77' | 36.00'RT 175.89' | 36.00'RT 174.96'

0.03 | 0.03 | 0.03 | 0.048 | 0.062 | 0.067 | 0.069 | 0.066 | 0.061 | 0.056 | 0.052 | 0.047 | 0.045

+65.00 173.73' | +80.00 173.78' | +00.00 173.84' | +20.00 173.89' | +40.00 173.94' | +60.00 173.98' | +80.00 174.02' | +00.00 174.05' | +20.00 174.09' | +47.35' 174.09'

19'

0.054 | 0.058 | 0.061 | 0.065 | 0.068 | 0.071 | 0.074 | 0.078 | 0.081 | 0.084 | 0.088 | 0.091 | 0.093

28 | 29 | 30

N 15° 51' 41" W

PC STA. 28+65.00

℄ CONST. TRACK

CL_3

+65.00 172.17' | +80.00 172.16' | +00.00 172.14' | +20.00 172.11' | +40.00 172.08' | +60.00 172.04' | +80.00 172.00' | +00.00 171.95' | +20.00 171.91' | +32.38 171.86'

NORTH WSAWAY / TRACK

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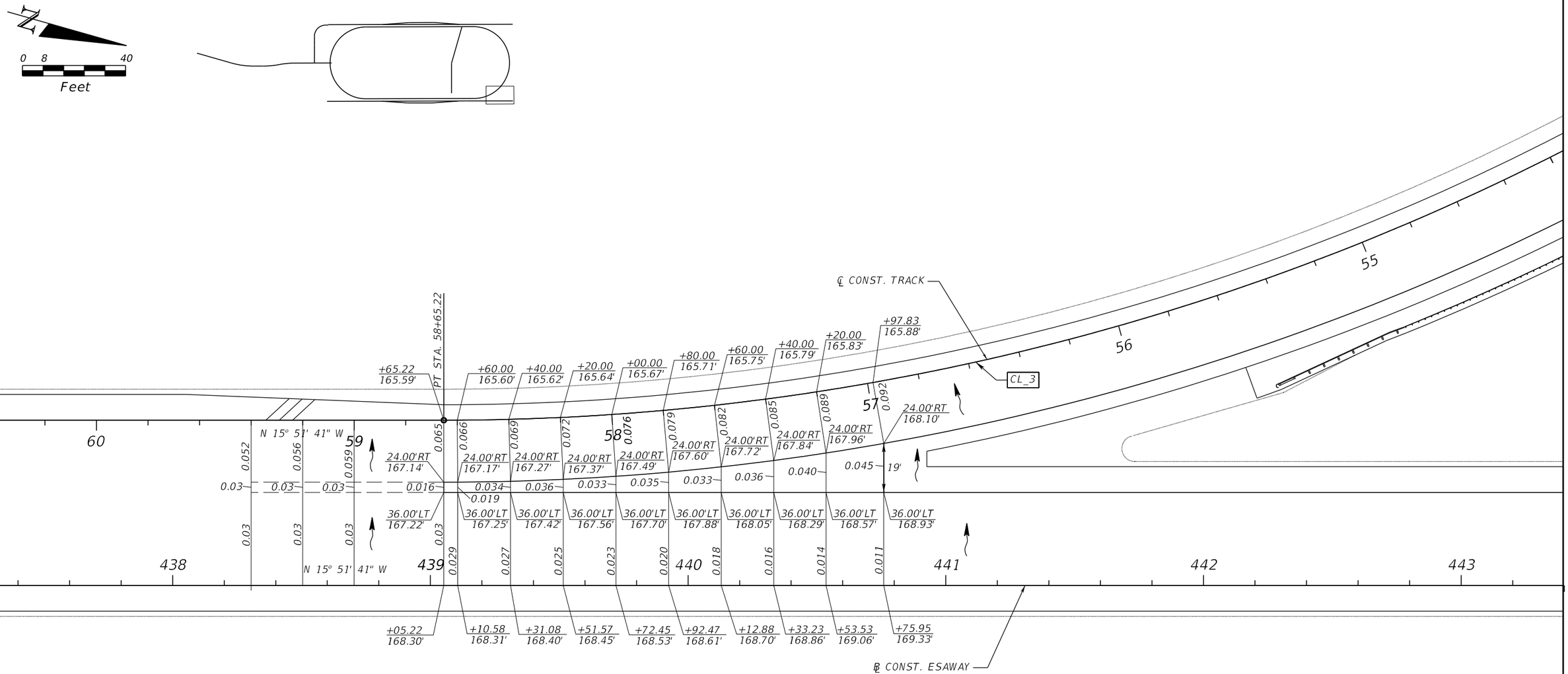
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (2)

SHEET NO. 121



NORTH ESAWAY / TRACK

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

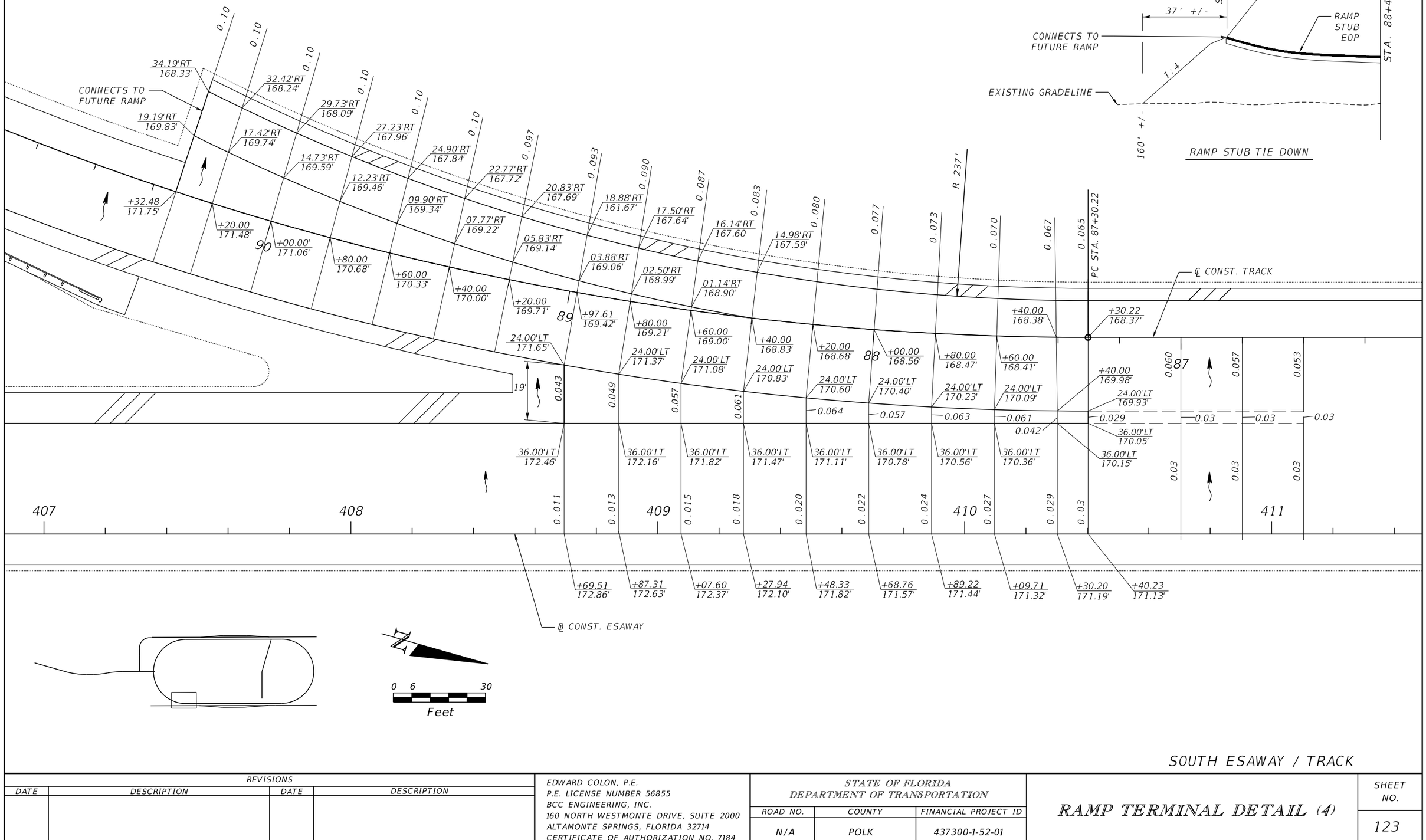
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

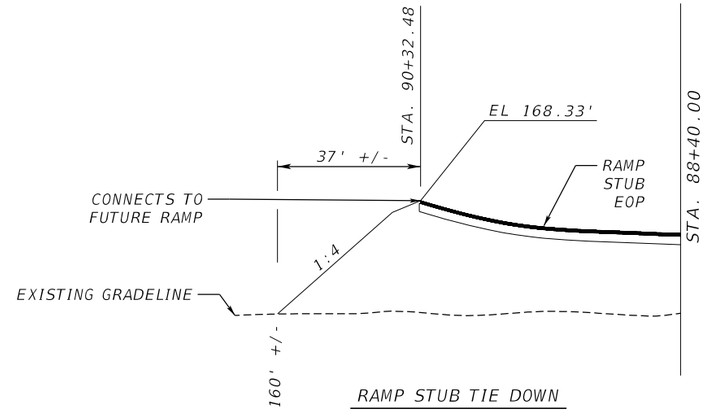
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (3)

SHEET NO. 122





RAMP STUB TIE DOWN

SOUTH ESAWAY / TRACK

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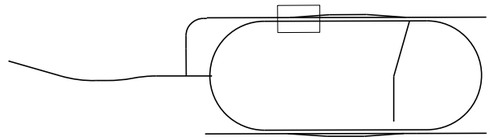
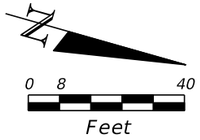
DEPARTMENT OF TRANSPORTATION

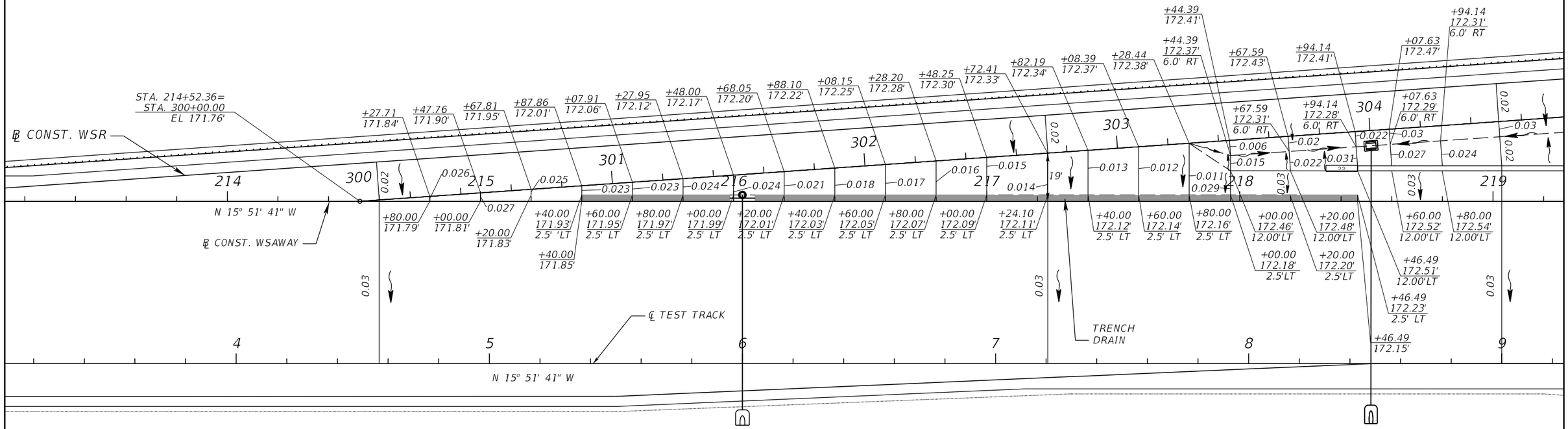
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (4)

SHEET NO. 123







SOUTH WEST SERVICE RD / TRACK

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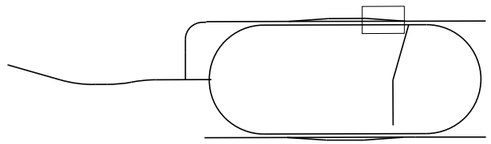
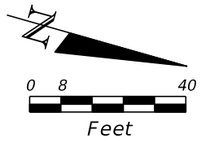
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (5)

SHEET NO. 124





℄ CONST. WSR

℄ CONST. WSAWAY

℄ CONST. TRACK

TRENCH DRAIN

STA. 235+02.03=
STA. 320+53.06
EL 173.81'

N 15° 51' 41" W

N 15° 51' 41" W

NORTH WEST SERVICE RD / TRACK

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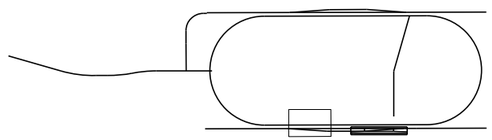
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (6)

SHEET NO. 125



N

0 8 40

Feet

83 N 15° 51' 41" W 82 81 80 79 78

℄ CONST. TRACK

TRENCH DRAIN

℄ CONST. ESAWAY

STA. 414+53.22 = STA. 500+00.00 EL 169.88

414 N 15° 51' 41" W 415 416 417 418 419

+80.00 169.85 | +00.00 169.83 | +20.00 169.81 | +40.00 169.87' 2.5' RT | +60.00 169.85' 2.5' RT | +80.00 169.83' 2.5' RT | +00.00 169.81' 2.5' RT | +20.00 169.79' 2.5' RT | +40.00 169.77' 2.5' RT | +60.00 169.75' 2.5' RT | +80.00 169.73' 2.5' RT | +00.00 169.71' 2.5' RT | +23.32 169.69' 2.5' RT | +40.00 169.67' 2.5' RT | +60.00 169.65' 2.5' RT | +95.02 169.62' 2.5'RT | +95.02 169.90' 12.00'RT | +20.00 169.59' 2.5'RT | +20.00 169.87' 12.00'RT | +40.00 169.57' 2.5'RT | +40.00 169.85' 12.00'RT | +65.41 169.47' | +65.41 169.55' 2.5' RT | +65.41 169.83' 12.00'RT | +00.00 169.47' 12.00'RT | +20.00 169.47' 12.00'RT | +40.00 169.47' 12.00'RT

0.03 | 0.031 | 0.032 | 0.030 | 0.030 | 0.030 | 0.030 | 0.027 | 0.024 | 0.021 | 0.019 | 0.017 | 19' | 0.017 | 0.017 | 0.03 | 0.02 | 0.018 | 0.017 | 0.022 | 0.016 | 0.026 | 0.020 | 0.03 | 0.016 | 0.014 | 0.013 | 0.03 | 0.016 | 0.03 | 0.02

500 501 502 503 504 505

N 11° 51' 41" W

℄ CONST. ESR

+28.47 169.91 | +48.52 169.93' | +68.56 169.96' | +88.61 169.99' | +08.69 170.00' | +28.71 170.02' | +48.76 170.04' | +68.81 170.06' | +88.86 170.05' | +08.94 170.03' | +28.96 170.01' | +49.00 169.99' | +72.38 169.97' | +89.10 169.95' | +09.15 169.93' | +43.84 169.78' 6.0' LT | +68.34 169.74' 6.0' LT | +88.29 169.70' 6.0' LT | +88.29 169.85' | +13.81 169.65' 6.0' LT | +43.84 169.89' | +68.34 169.87' | +13.81 169.83' | +48.28 169.61' 6.0' LT | +68.23 169.59' 6.0' LT | +88.18 169.57' 6.0' LT

SOUTH EAST SERVICE RD / TRACK

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REVISIONS			
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
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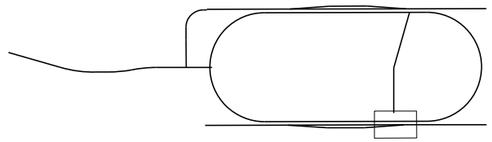
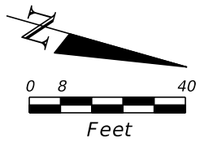
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

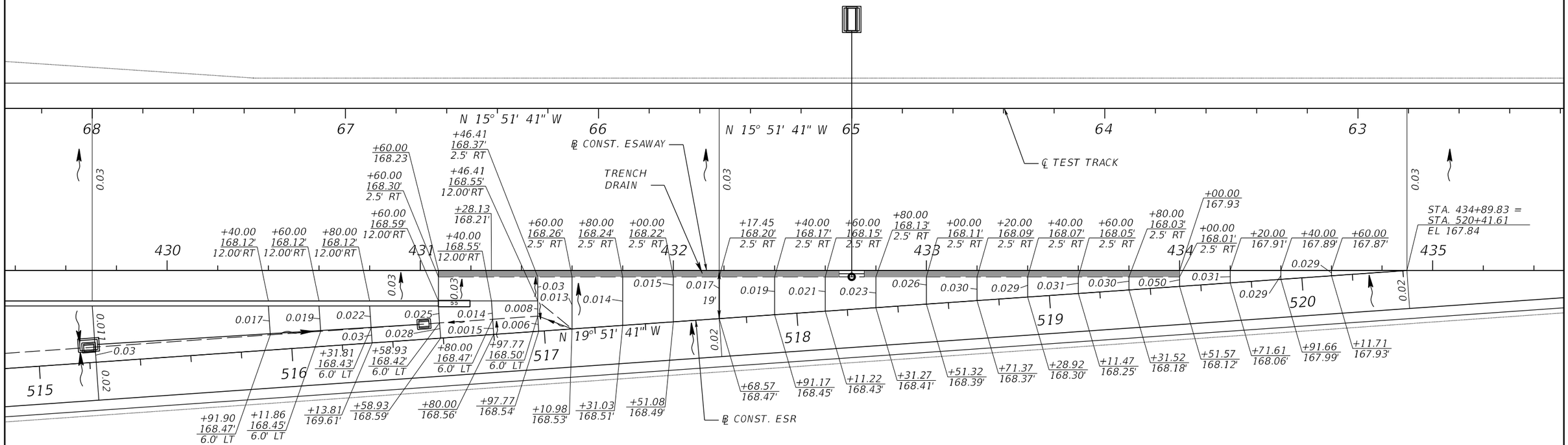
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (7)

SHEET NO. 126







NORTH EAST SERVICE RD / TRACK

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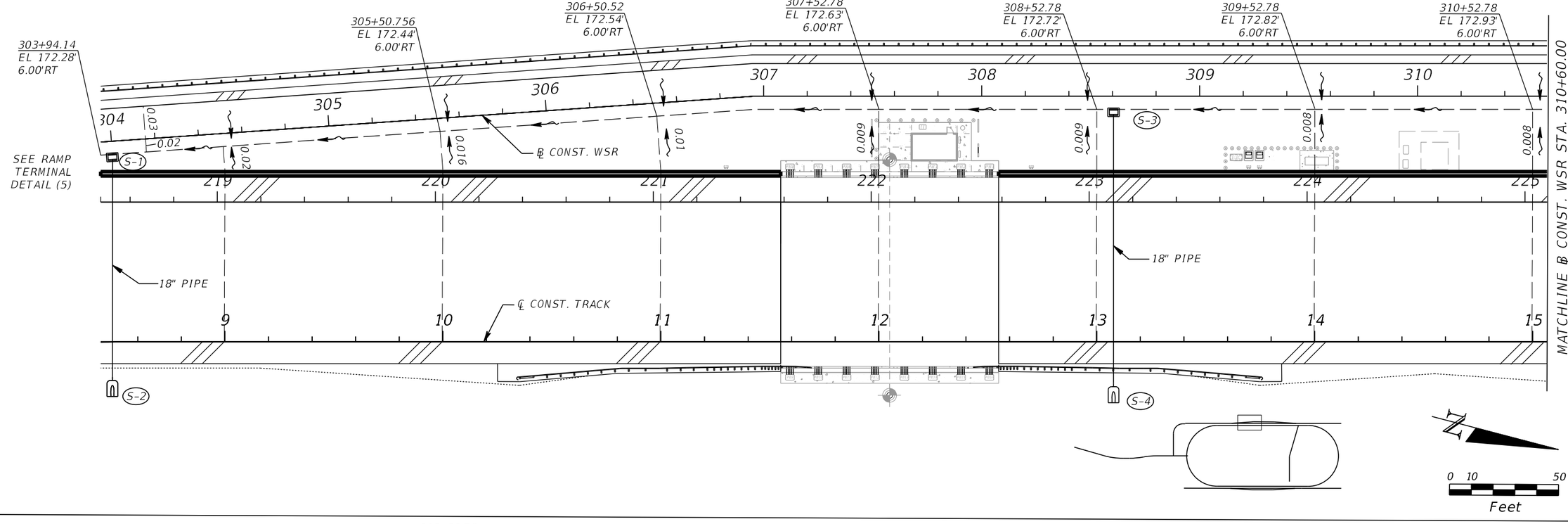
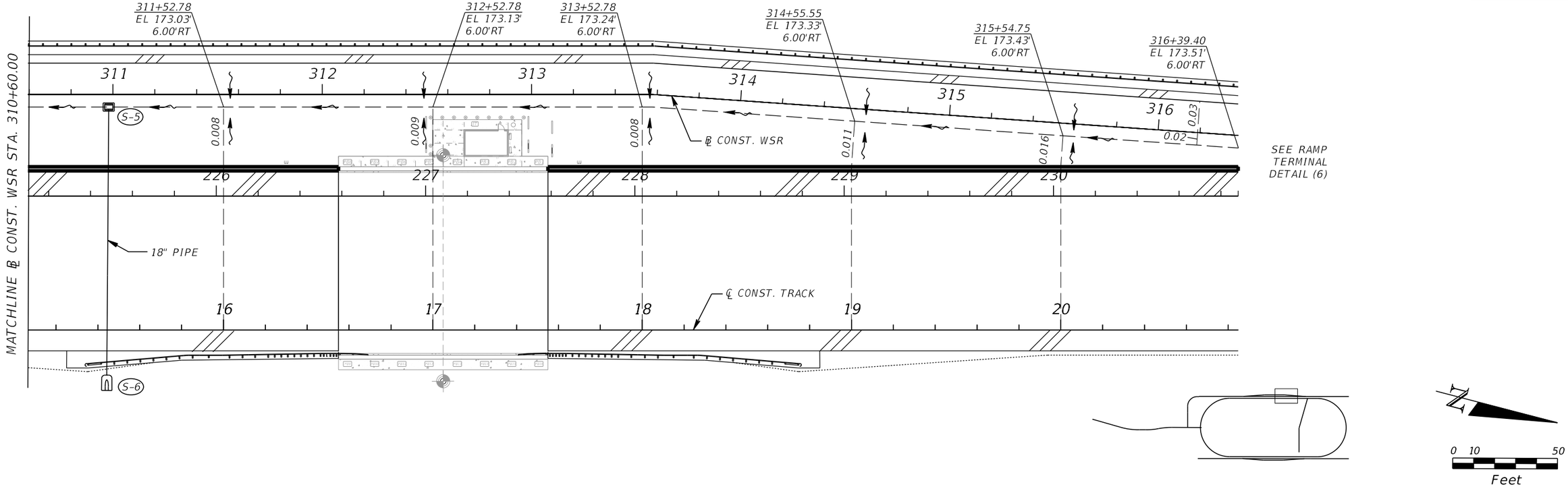
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

RAMP TERMINAL DETAIL (8)

SHEET NO. 127





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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

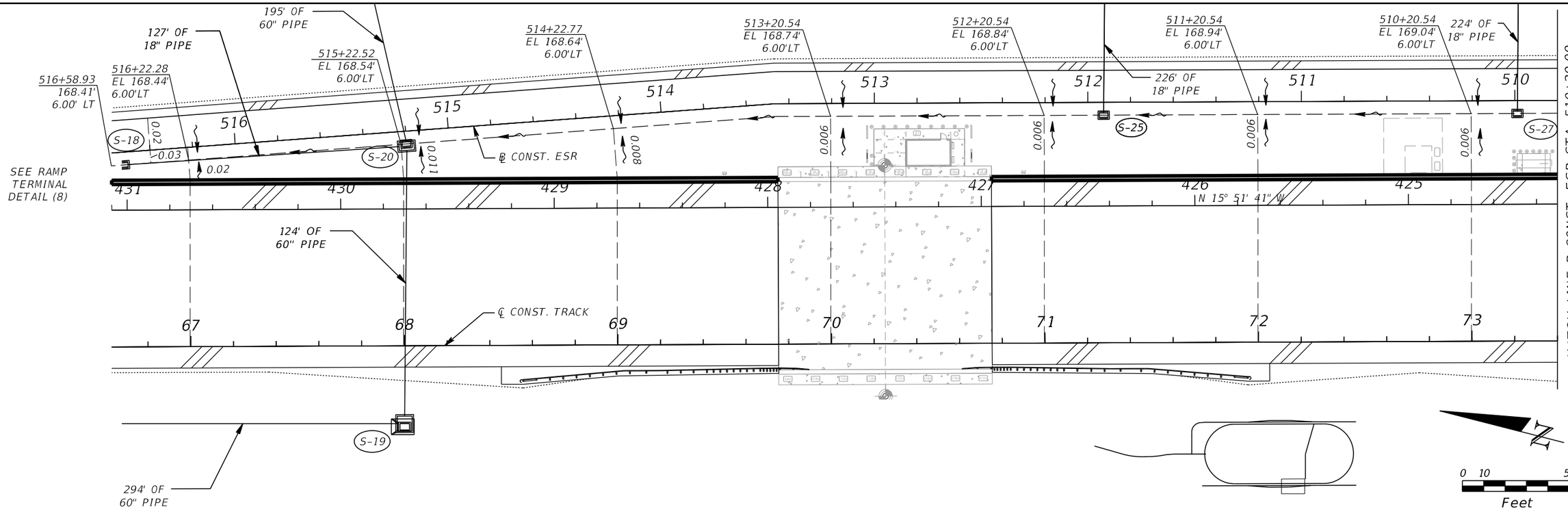
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

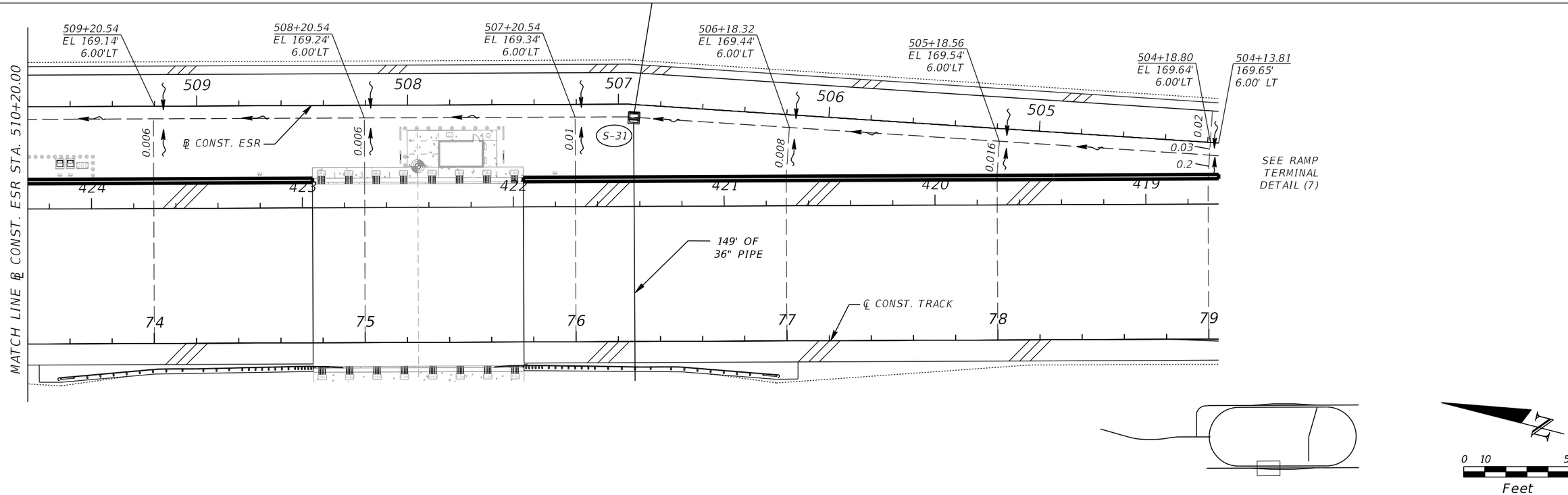
WSR MEDIAN GRADING PLAN

SHEET NO. 128

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

jbenavides 12/6/2016 2:21:27 PM H:\CADD\43710013201 Test Track\437300-1-32-01\2016.12.09 BCC FILES - Production Su





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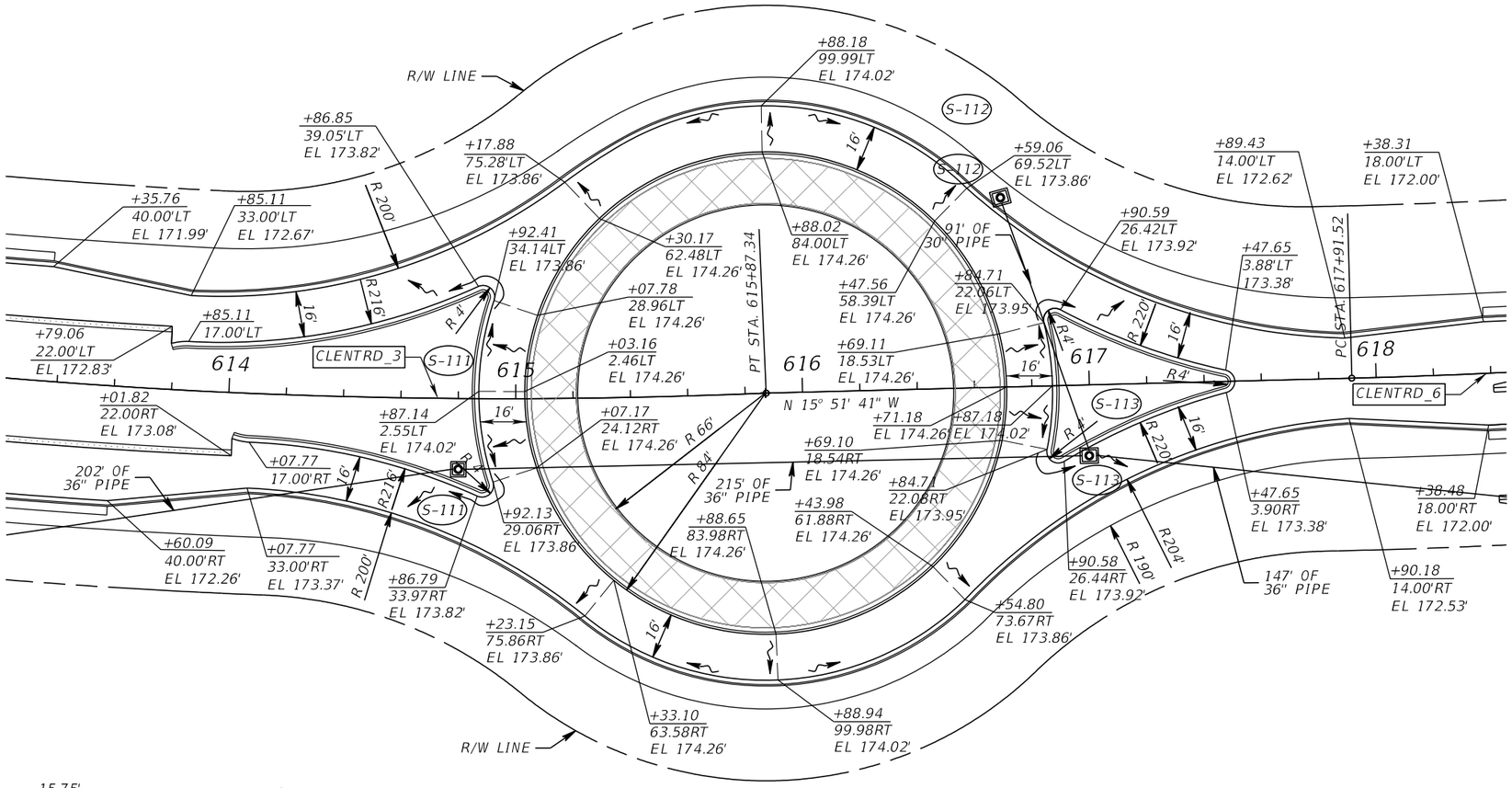
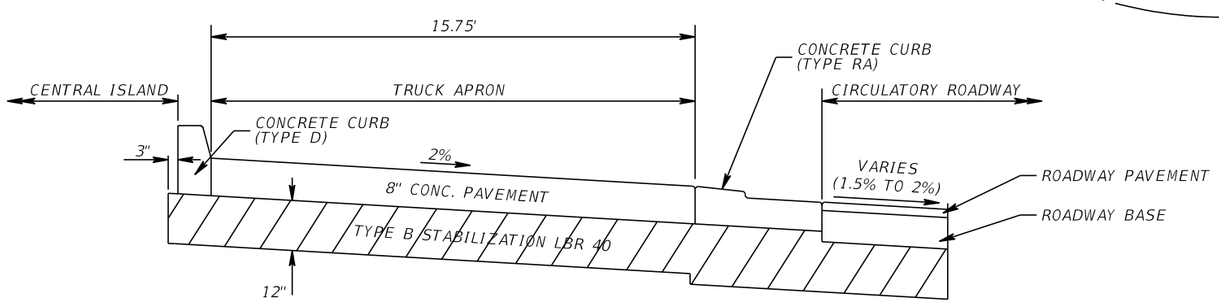
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

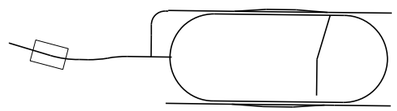
ESR MEDIAN GRADING PLAN

SHEET NO. 129





TRUCK APRON DETAIL



0 10 50
Feet

LEGEND

TRUCK APRON

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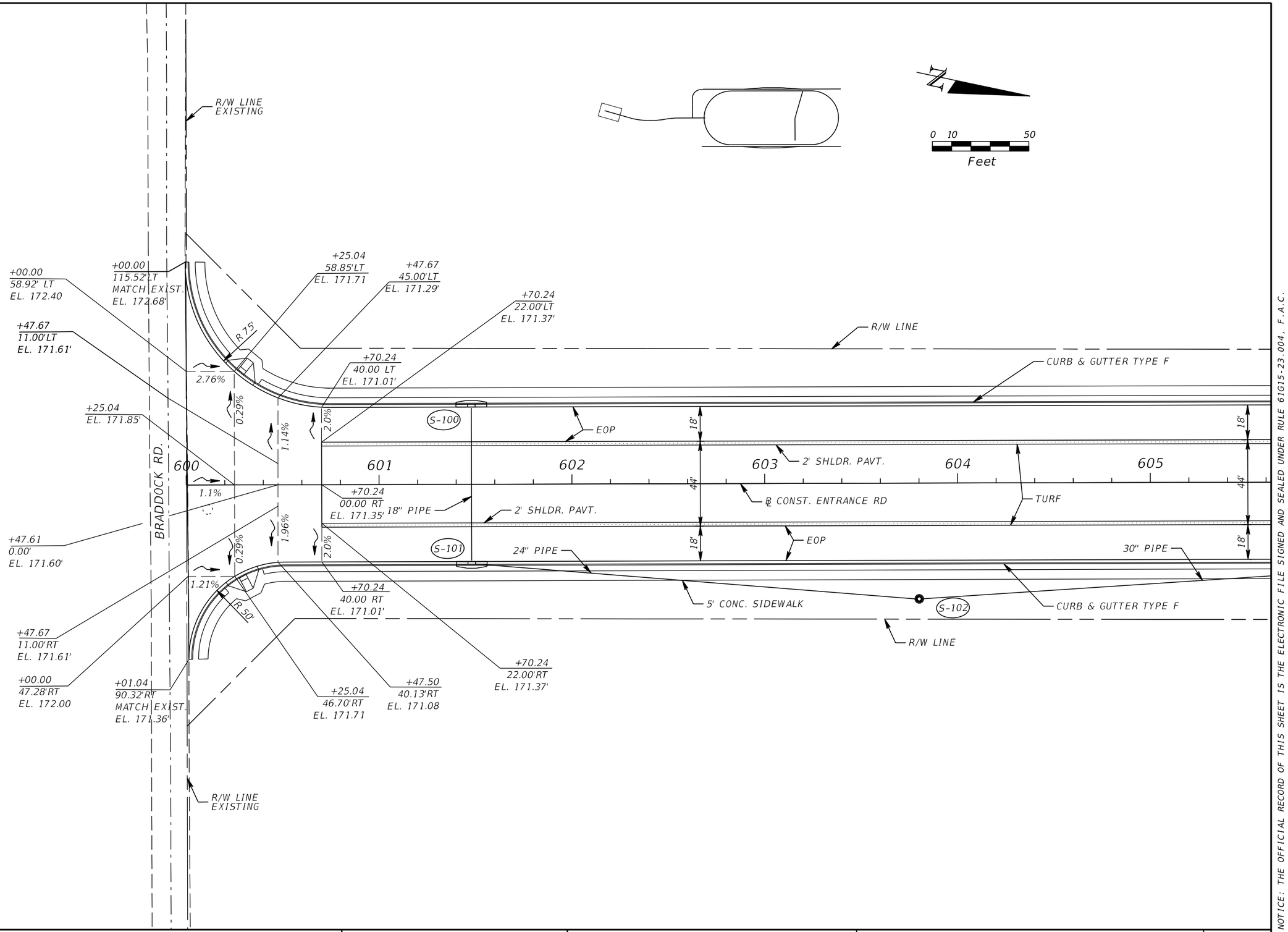
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

INTERSECTION DETAILS (1)

SHEET NO. 130



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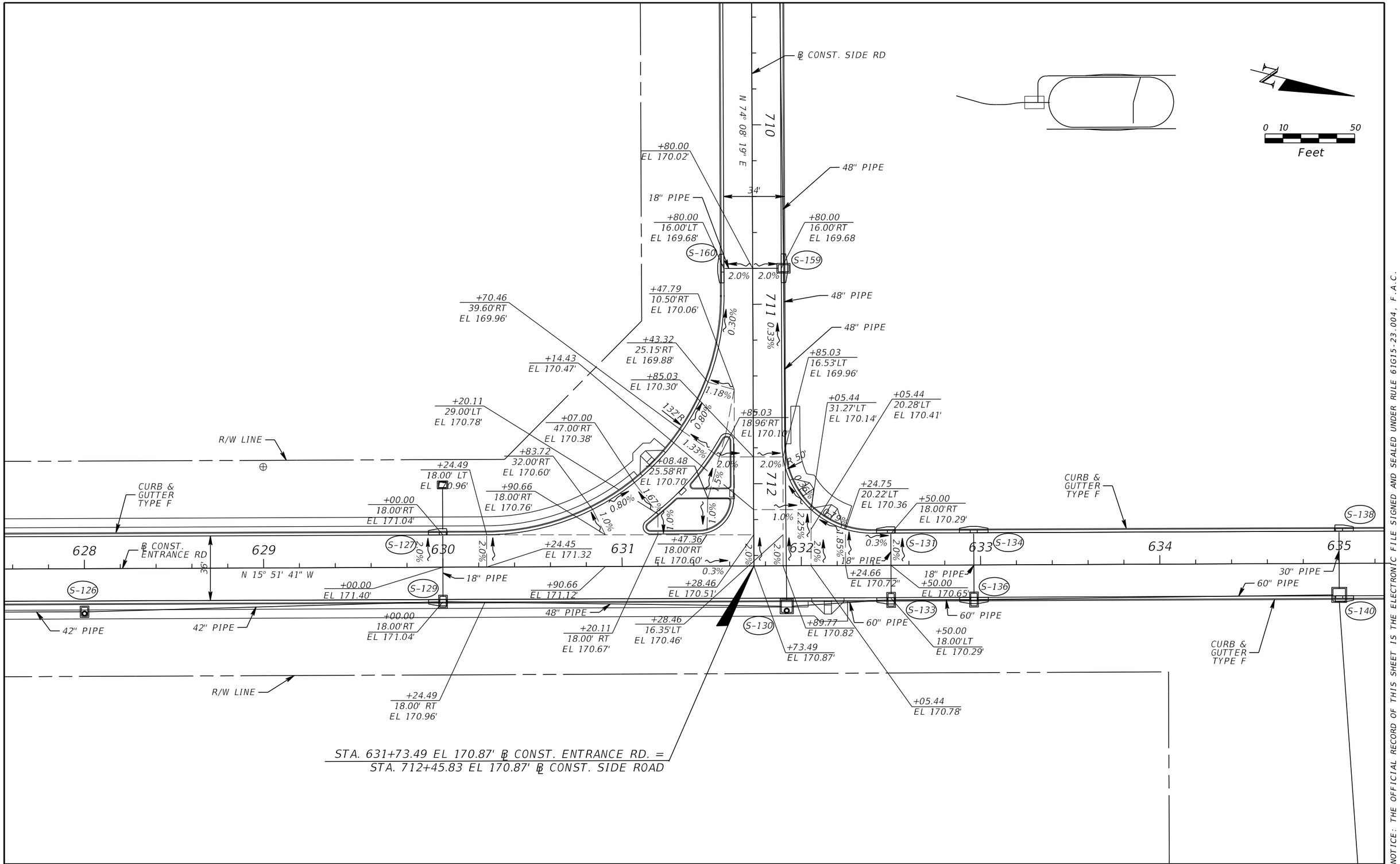
N/A	POLK	437300-1-52-01

INTERSECTION DETAILS (2)

SHEET NO. 131



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DEPARTMENT OF TRANSPORTATION

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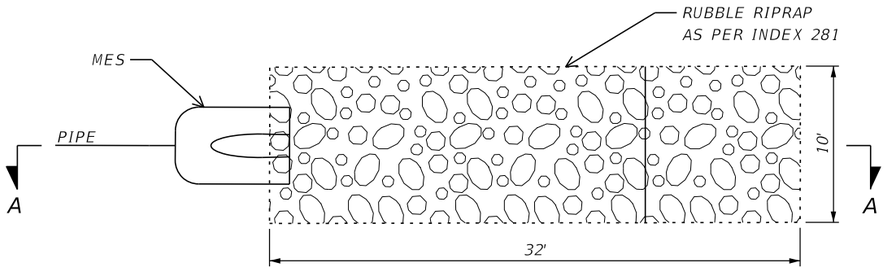
N/A	POLK	437300-1-52-01

INTERSECTION DETAILS (3)

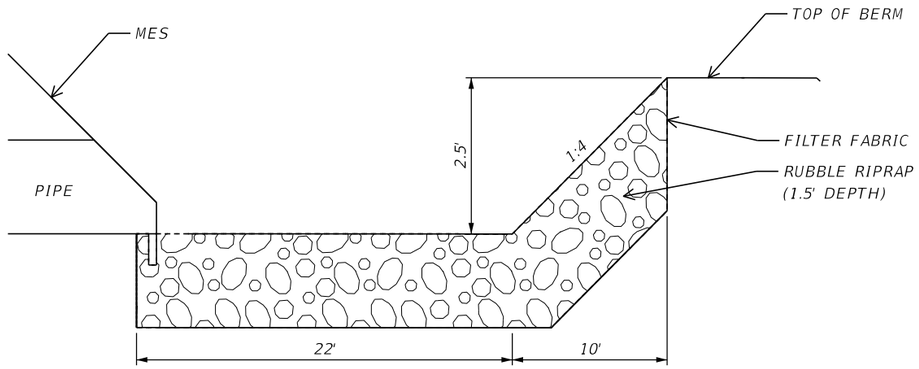
SHEET NO. 132



PLAN VIEW

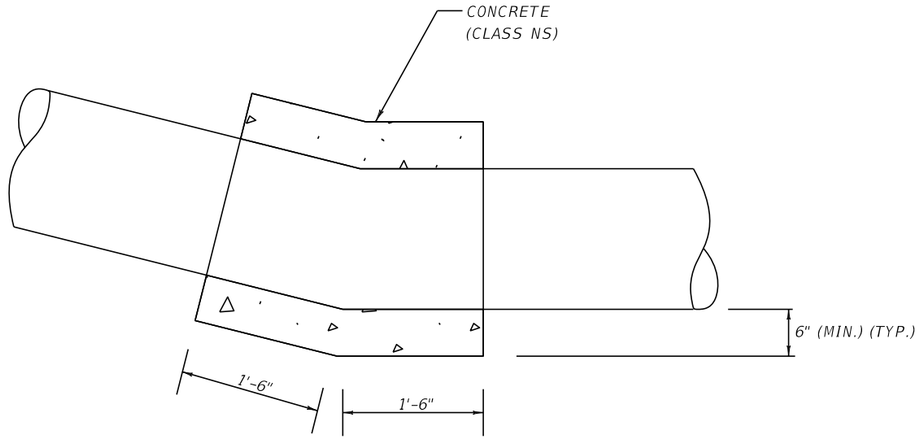
NOTES:

1. THE COST OF THE FILTER FABRIC SHALL BE INCLUDED IN THE COST OF RIPRAP
2. FILTER FABRIC SHALL BE CONSTRUCTED PER FDOT STANDARD SPECIFICATION SECTION 514



SECTION A-A

DITCH LINING
RUBBLE RIPRAP DETAIL
NTS



THRUST BLOCK DETAIL
NTS

NOTES:

1. THE COST TO CONSTRUCT THE THRUST BLOCK SHALL BE INCIDENTAL TO THE COST OF THE GUTTER DRAIN PIPE.
2. A THRUST BLOCK SHALL BE PROVIDED FOR ALL GUTTER DRAIN PIPES.

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REVISIONS			
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J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
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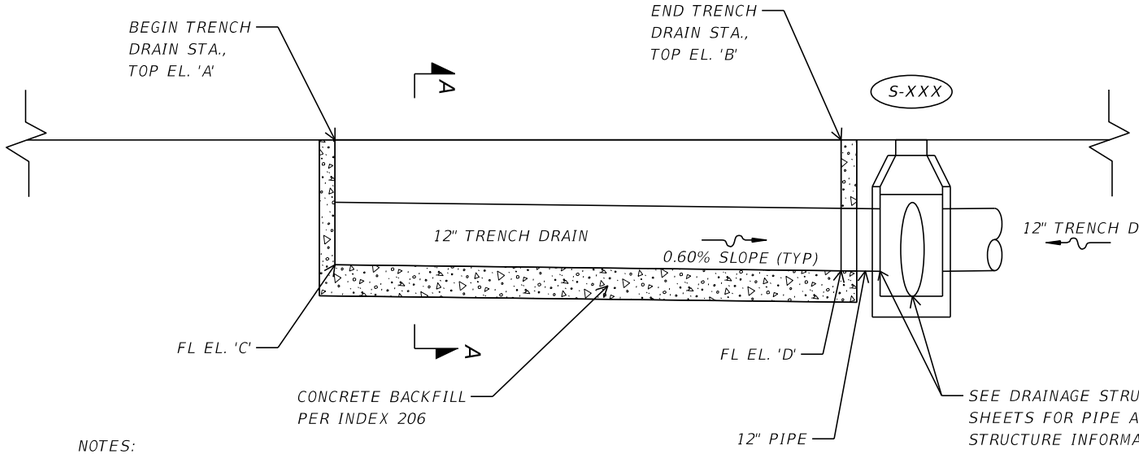
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

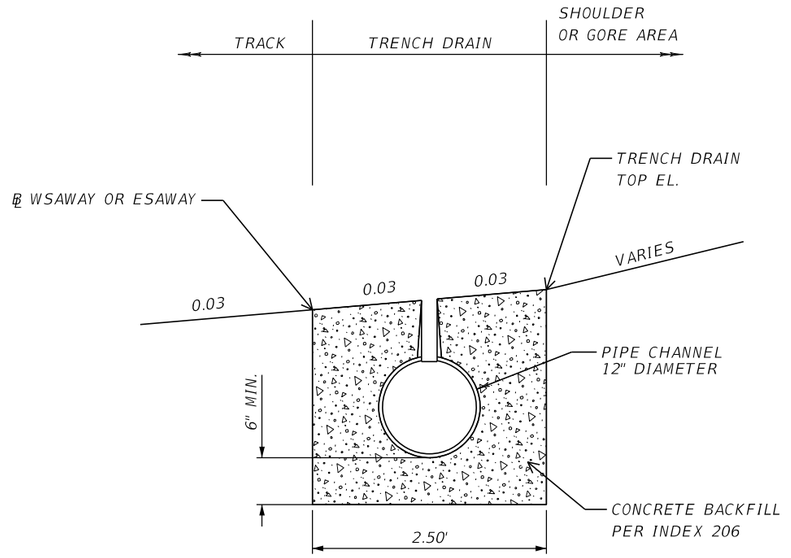
SHEET NO. 133



NOTES:

1. SEE INDEX 206 FOR TRENCH DRAIN DETAILS.
2. ALL TRENCH DRAIN SHALL BE TYPE I, ROUND ALTERNATE USING 12" PIPE.
3. CLEANOUT PORTS SHALL BE LOCATED IN THE SHOULDER OR GORE AREAS, AND SHALL NOT BE LOCATED WITHIN THE TRACK TRAVEL LANES.
4. CLEANOUT PORT COVERS SHALL BE INSTALLED FLUSH WITH THE PAVEMENT.

ELEVATION VIEW
N.T.S.



SECTION A-A
N.T.S.

STR. NO.	℄	STATION BEGIN	STATION END	LENGTH (FT)	DESIGN FLOW (Q10) (CFS)	OUTLET	TOP EL. 'A' (FT)	TOP EL. 'B' (FT)	FL EL. 'C' (FT)	FL EL. 'D' (FT)
TD-1	WSAWAY	215+40.00	215+98.00	58	0.29	S-1A	171.85	171.99	168.94	168.59
TD-2	WSAWAY	218+45.99	216+08.00	238	1.60	S-1A	172.15	172.00	170.02	168.59
TD-3	WSAWAY	230+88.69	231+98.00	109	0.84	S-5A	173.39	173.50	170.75	170.10
TD-4	WSAWAY	234+20.00	232+08.00	212	0.60	S-5A	173.73	173.51	171.37	170.10
TD-5	ESAWAY	434+00.00	432+76.00	124	1.27	S-17A	168.01	168.14	165.48	164.74
TD-6	ESAWAY	431+07.68	432+66.00	158	1.12	S-17A	168.30	168.14	165.69	164.74
TD-7	ESAWAY	418+64.91	416+76.00	189	1.30	S-31A	169.55	169.74	167.43	166.30
TD-8	ESAWAY	415+40.00	416+65.00	125	0.62	S-31A	169.87	169.74	167.05	166.30

TRENCH DRAIN DETAILS
NTS

REVISIONS			
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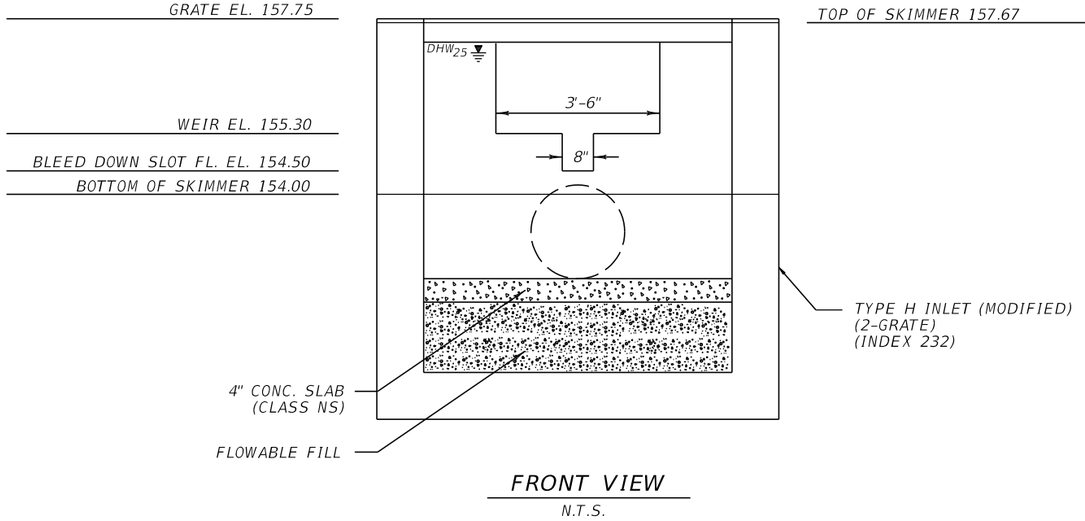
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

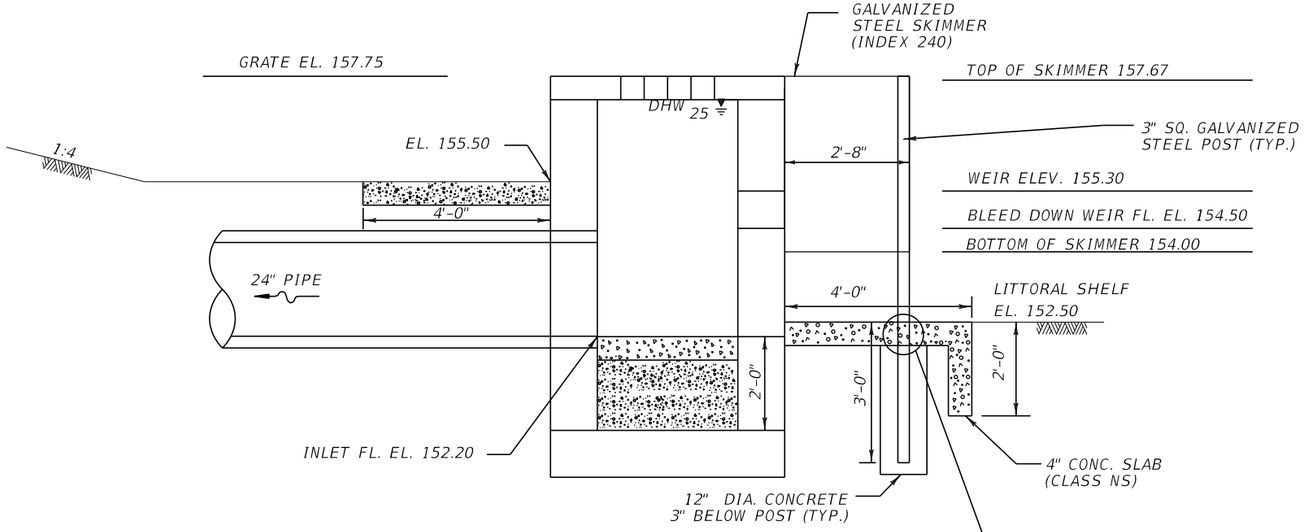
SHEET NO. 134

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



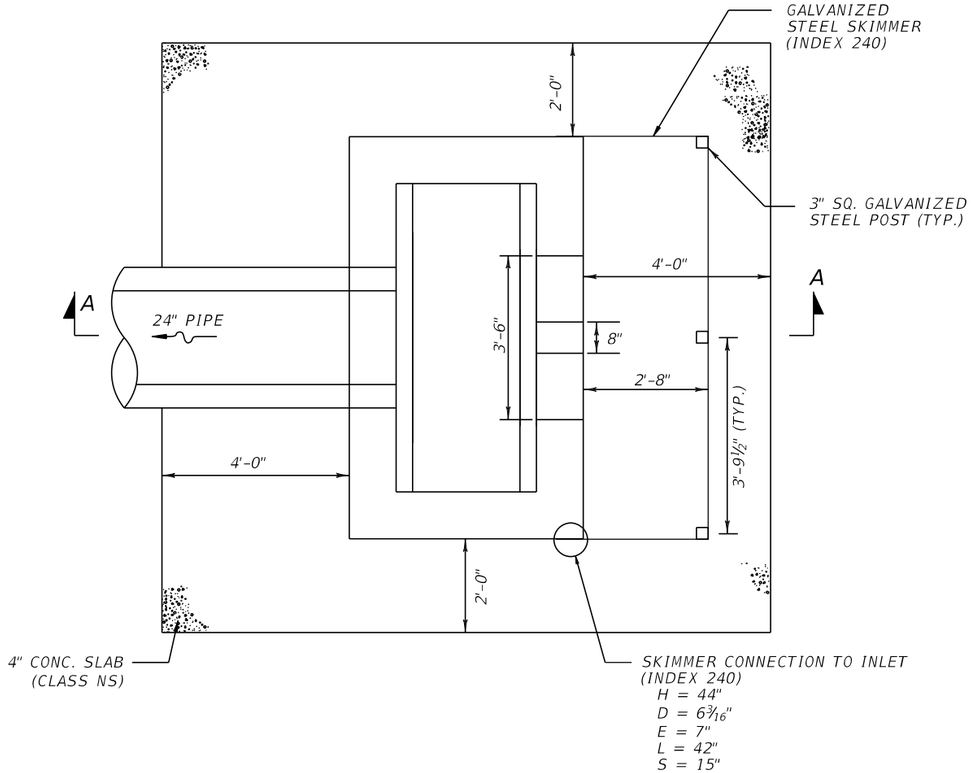
FRONT VIEW

N.T.S.



SECTION A-A

N.T.S.



PLAN

N.T.S.

NOTE: COSTS OF SKIMMER, SKIMMER POSTS, ASPHALT FELT, AND CONCRETE ARE TO BE INCLUDED IN TOTAL COST OF STRUCTURE.

OCS-1 DETAIL

INDEX NOS. 201, 232, 240, AND 272

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

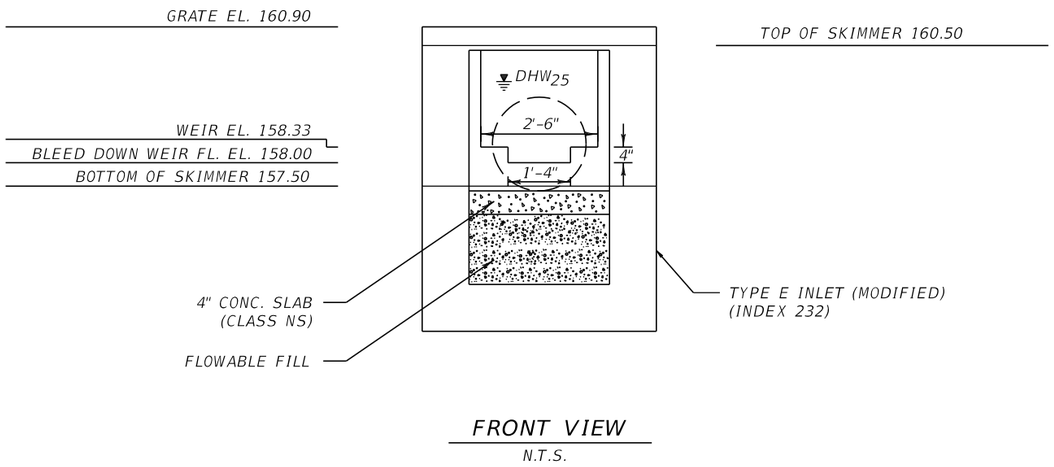
J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

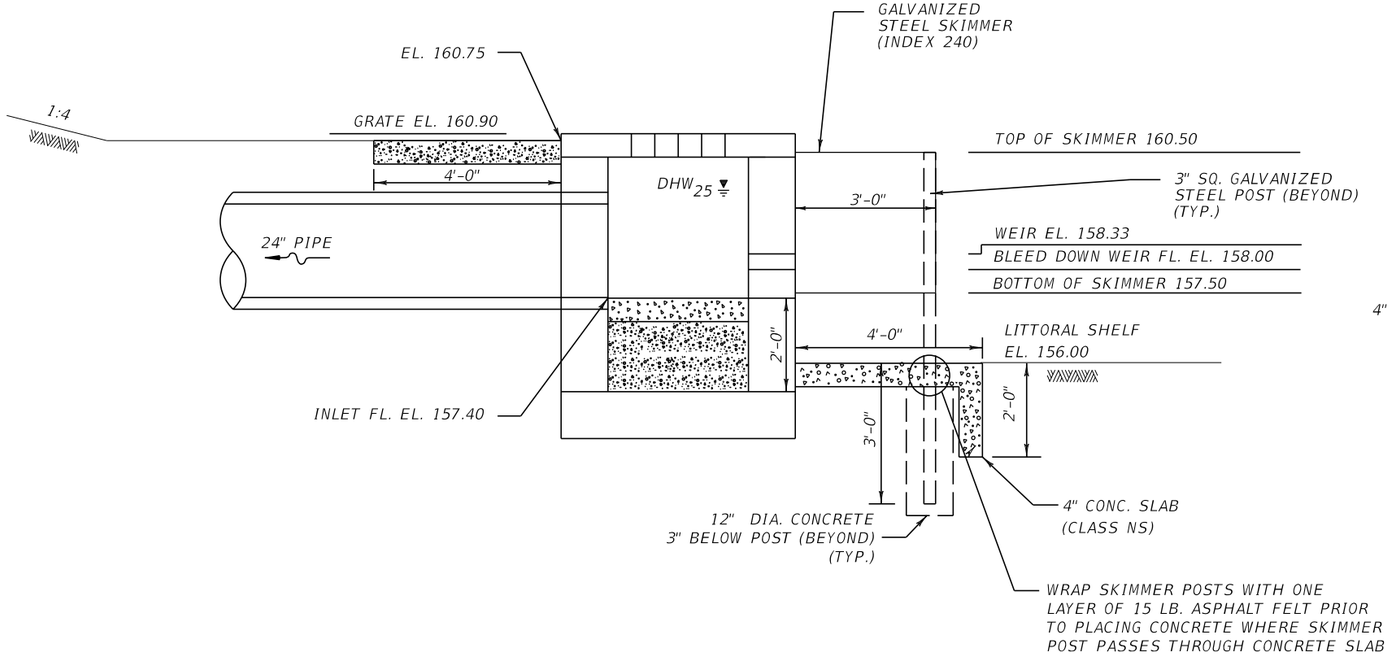
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

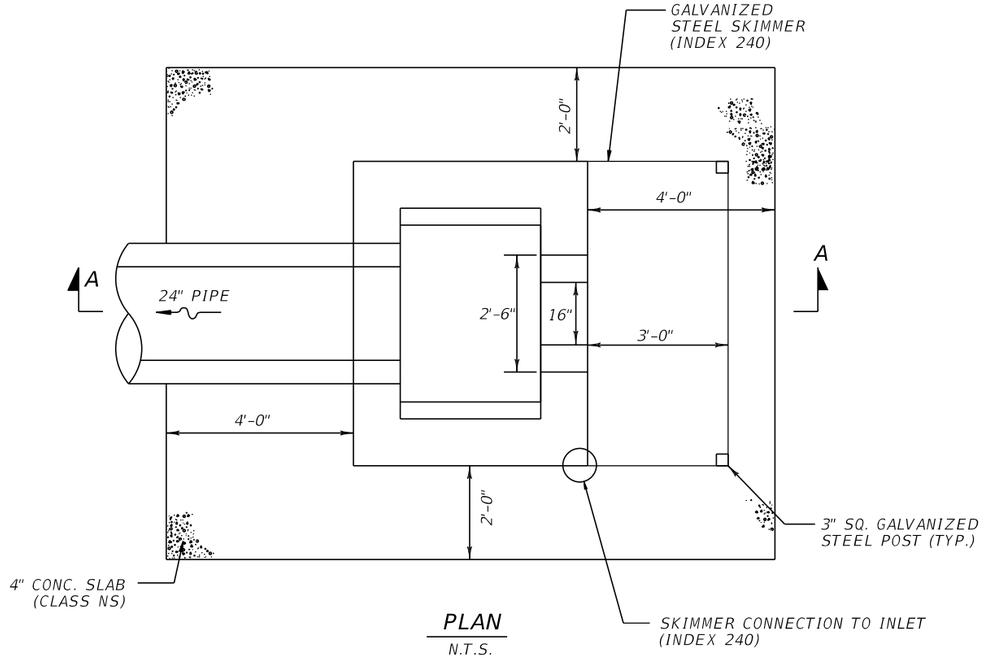
SHEET NO. 135



FRONT VIEW
N.T.S.



SECTION A-A
N.T.S.



PLAN
N.T.S.

NOTE: COSTS OF SKIMMER, SKIMMER POSTS, ASPHALT FELT, AND CONCRETE ARE TO BE INCLUDED IN TOTAL COST OF STRUCTURE.

OCS-2 DETAIL

INDEX NOS. 201, 232, 240, AND 272

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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BCC ENGINEERING, INC.
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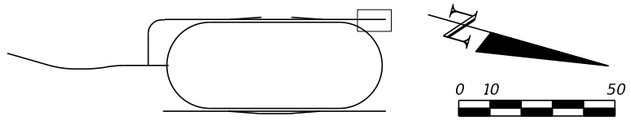
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

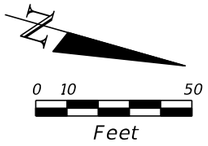
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

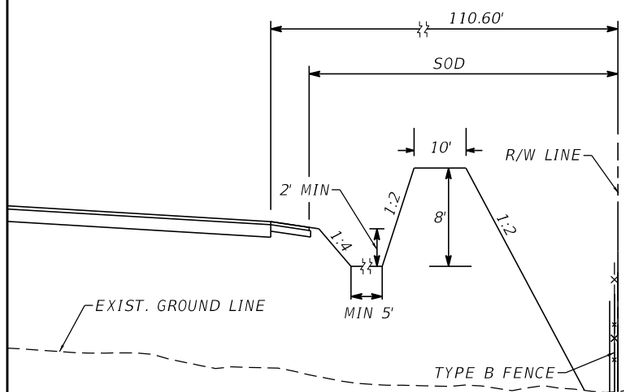
SHEET NO. 136

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



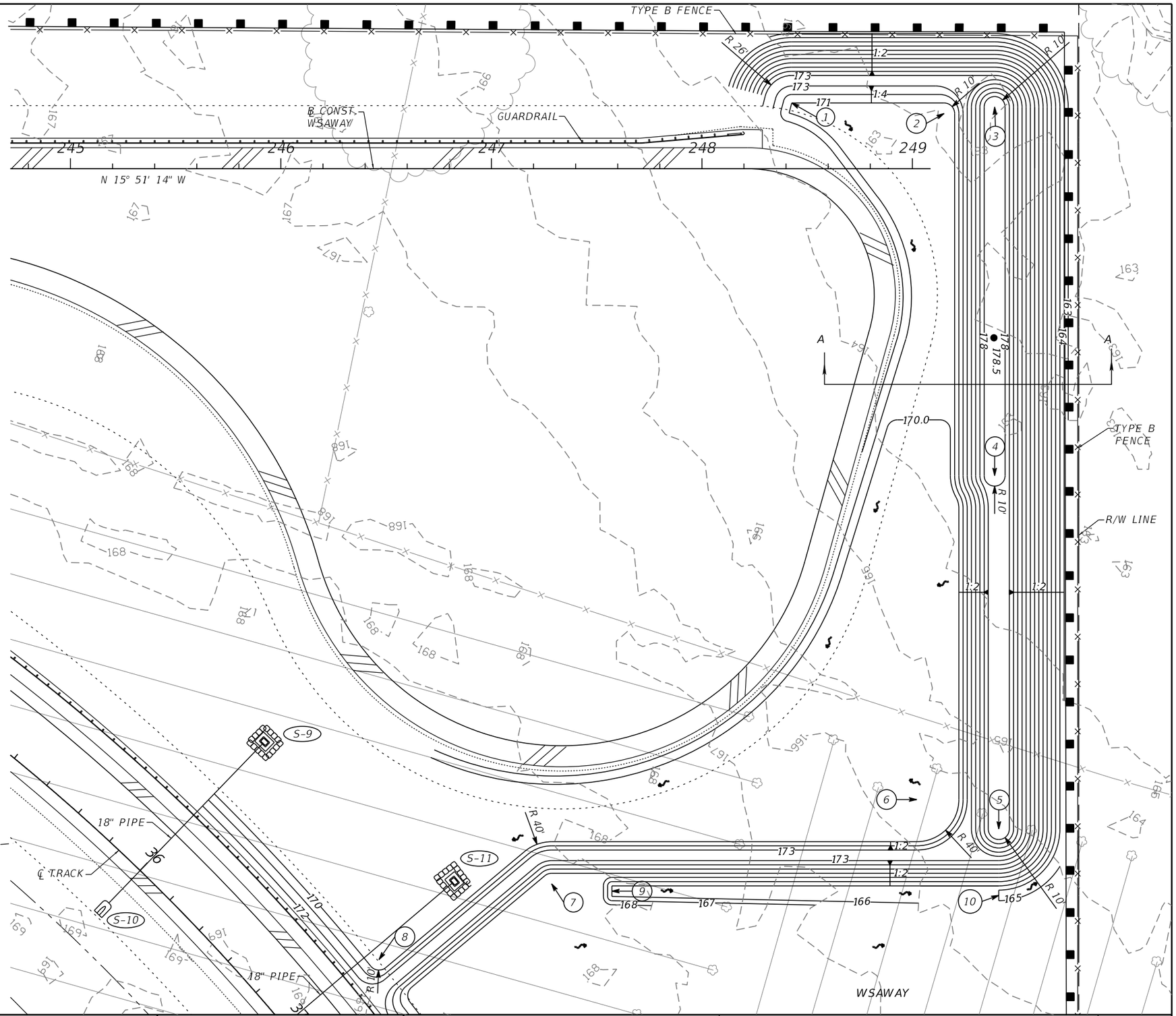


REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	35+79.20	TRACK	477.55	LT
2	36+15.65	TRACK	524.17	LT
3	36+25.11	TRACK	543.35	LT
4	37+11.65	TRACK	426.60	LT
5	38+09.50	TRACK	328.80	LT
6	37+84.38	TRACK	304.34	LT
7	37+26.61	TRACK	141.14	LT
8	37+05.24	TRACK	54.71	LT
9	37+44.12	TRACK	161.59	LT
10	38+29.34	TRACK	311.76	LT



SECTION A-A
N.T.S.

WEST STRAIGHT-AWAY (2)



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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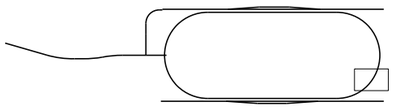
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

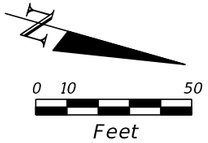
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

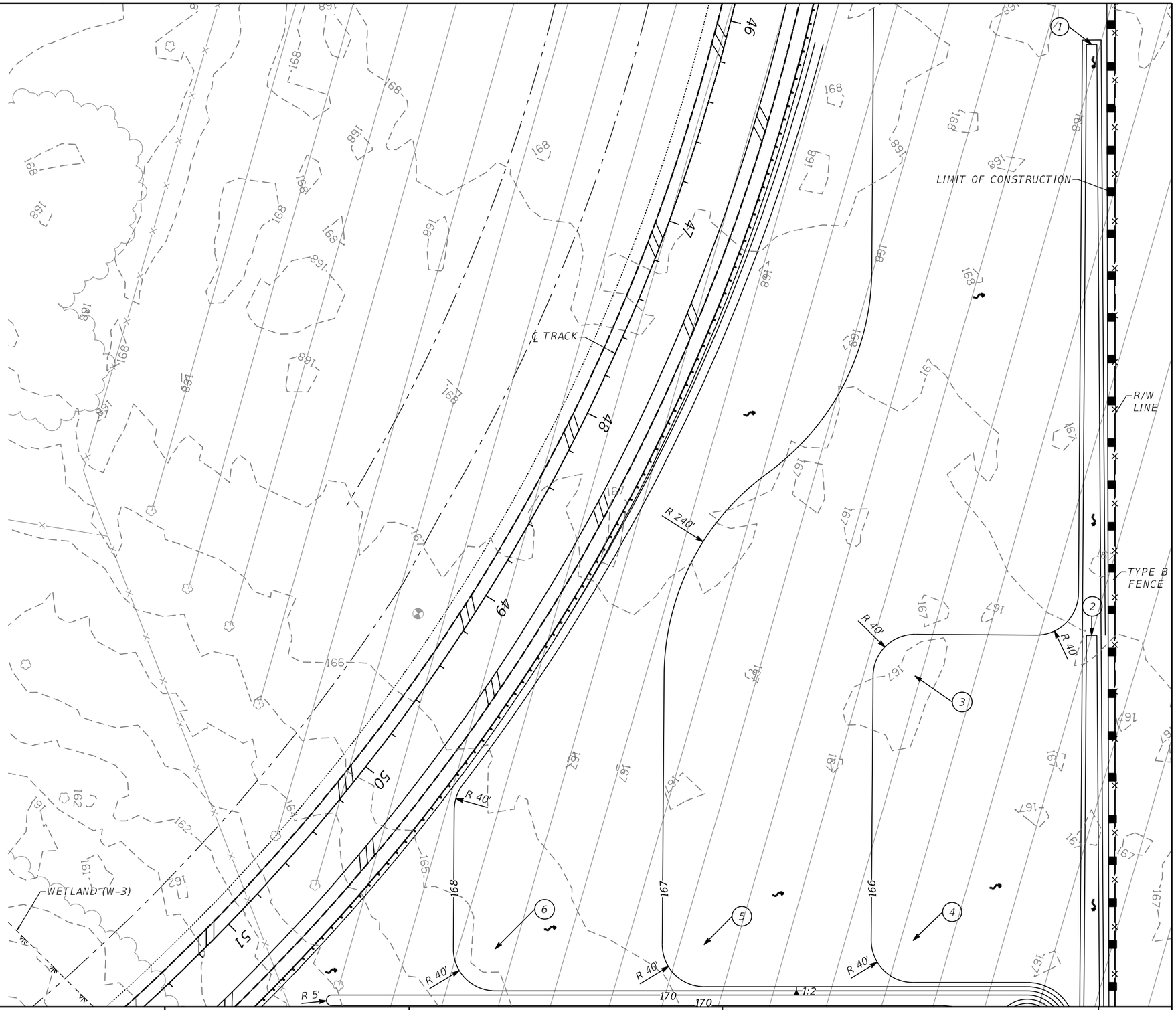
DRAINAGE DETAILS

SHEET NO. 137





REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	45+73.43	TRACK	170.76	LT
2	47+91.62	TRACK	263.61	LT
3	48+36.48	TRACK	196.94	LT
4	49+24.44	TRACK	261.28	LT
5	49+72.37	TRACK	180.46	LT
6	50+27.47	TRACK	102.94	LT



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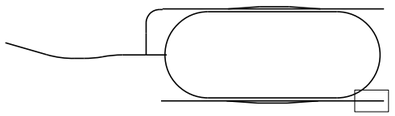
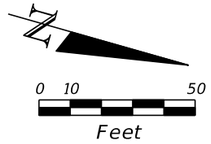
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

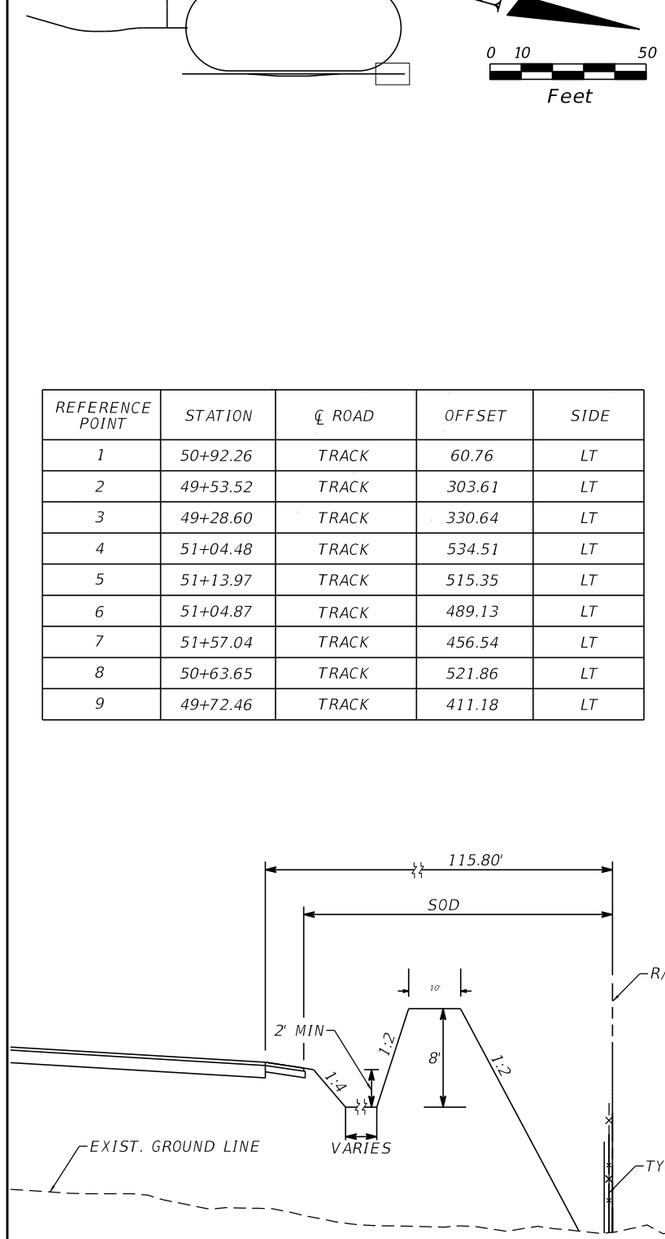
DRAINAGE DETAILS

SHEET NO. 138





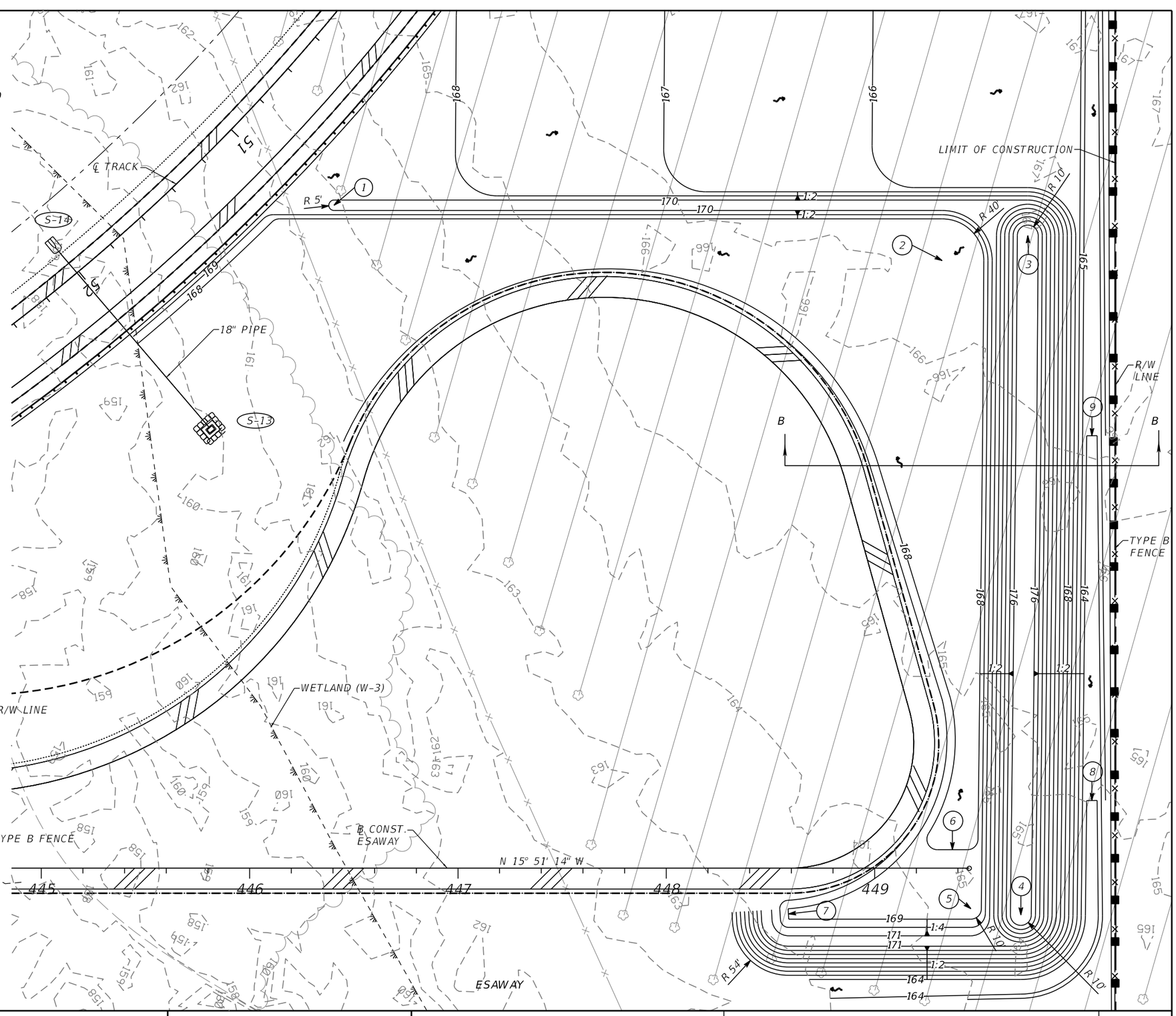
REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	50+92.26	TRACK	60.76	LT
2	49+53.52	TRACK	303.61	LT
3	49+28.60	TRACK	330.64	LT
4	51+04.48	TRACK	534.51	LT
5	51+13.97	TRACK	515.35	LT
6	51+04.87	TRACK	489.13	LT
7	51+57.04	TRACK	456.54	LT
8	50+63.65	TRACK	521.86	LT
9	49+72.46	TRACK	411.18	LT



SECTION B-B

N.T.S.

EAST STRAIGHT-AWAY (2)



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

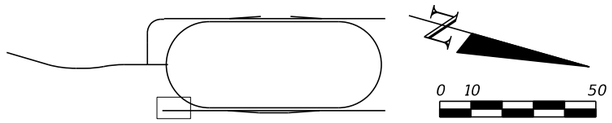
J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

SHEET NO. 139



0 10 50
Feet

REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	95+19.07	TRACK	131.53	LT
2	96+39.56	TRACK	192.61	LT
3	96+06.28	TRACK	297.91	LT
4	95+73.31	TRACK	377.11	LT
5	95+60.05	TRACK	437.11	LT
6	95+38.02	TRACK	511.24	LT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ALTAMONTE SPRINGS, FLORIDA 32714
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE DETAILS

SHEET NO. 140

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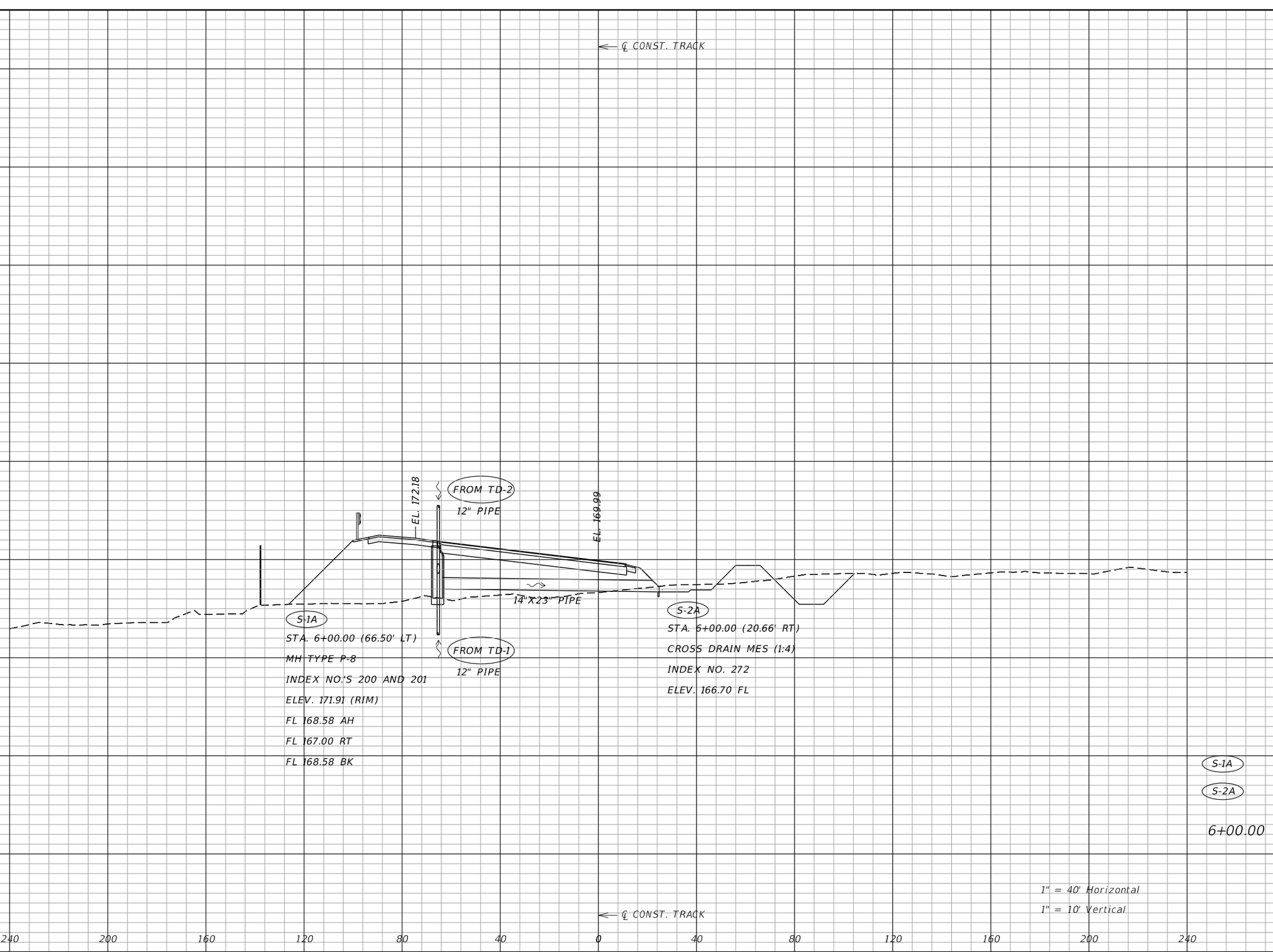

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

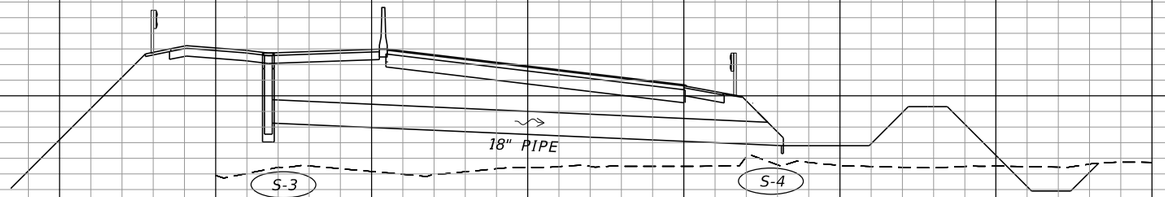
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

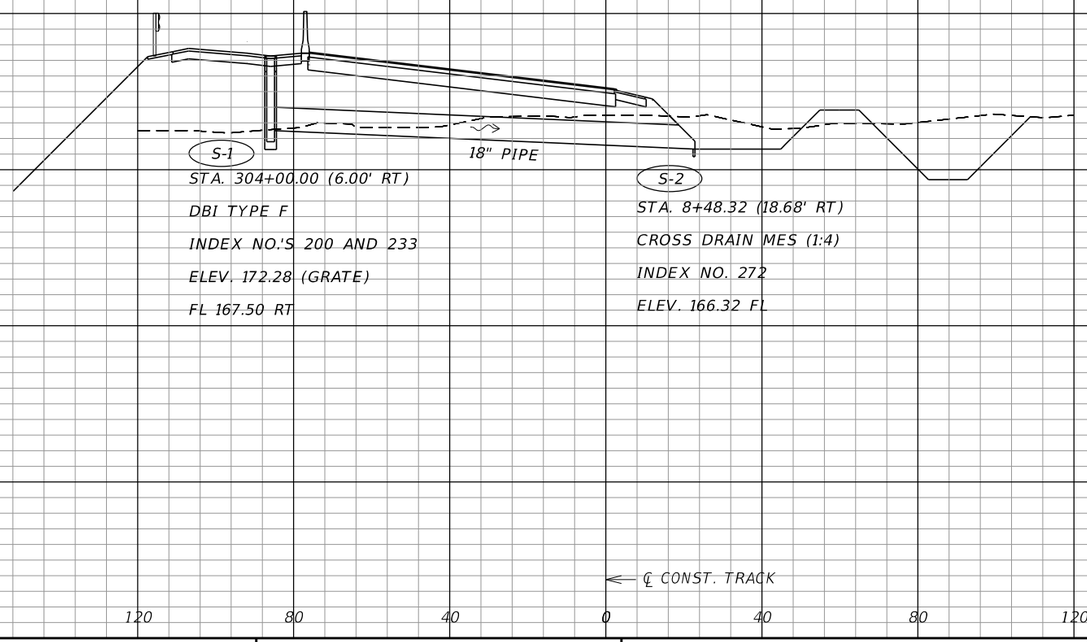
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 141

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





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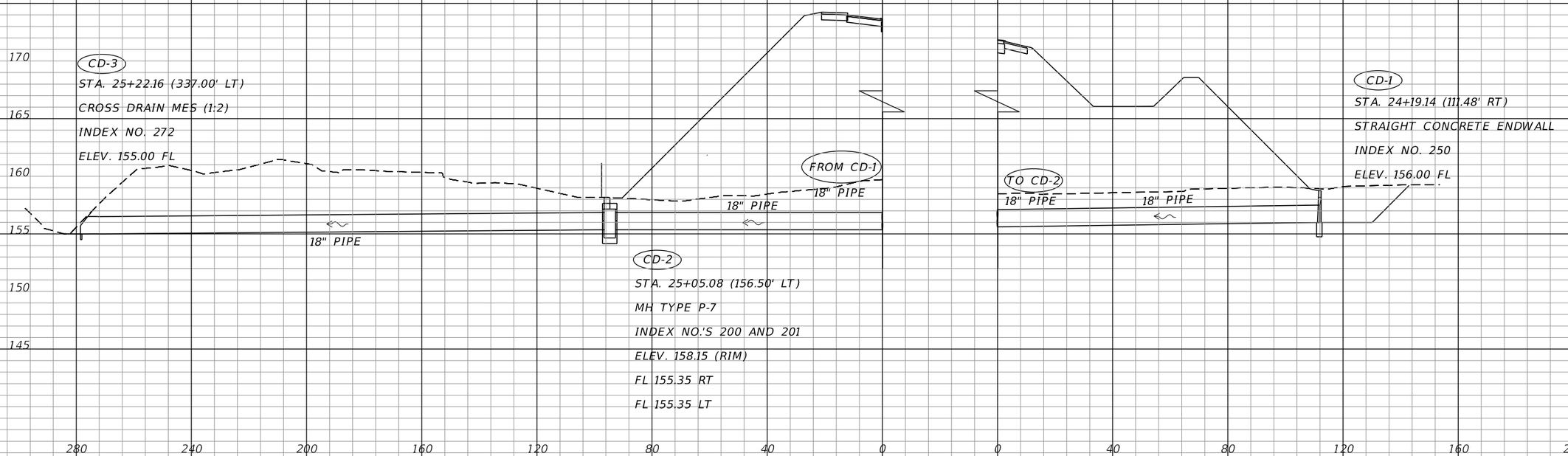
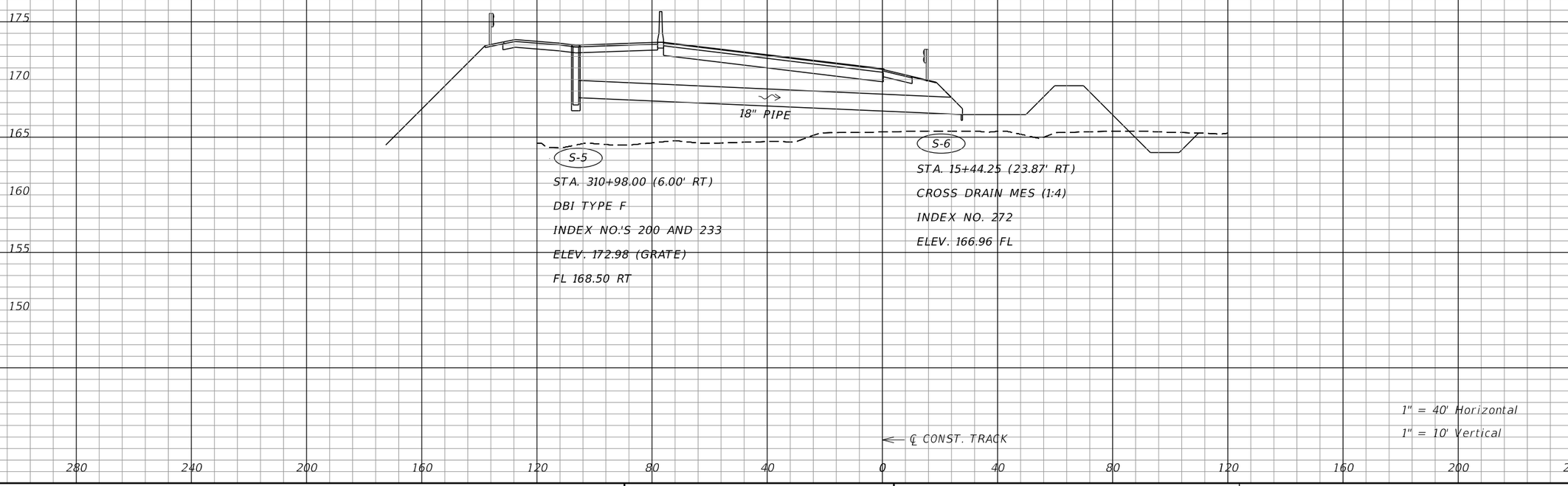
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 142





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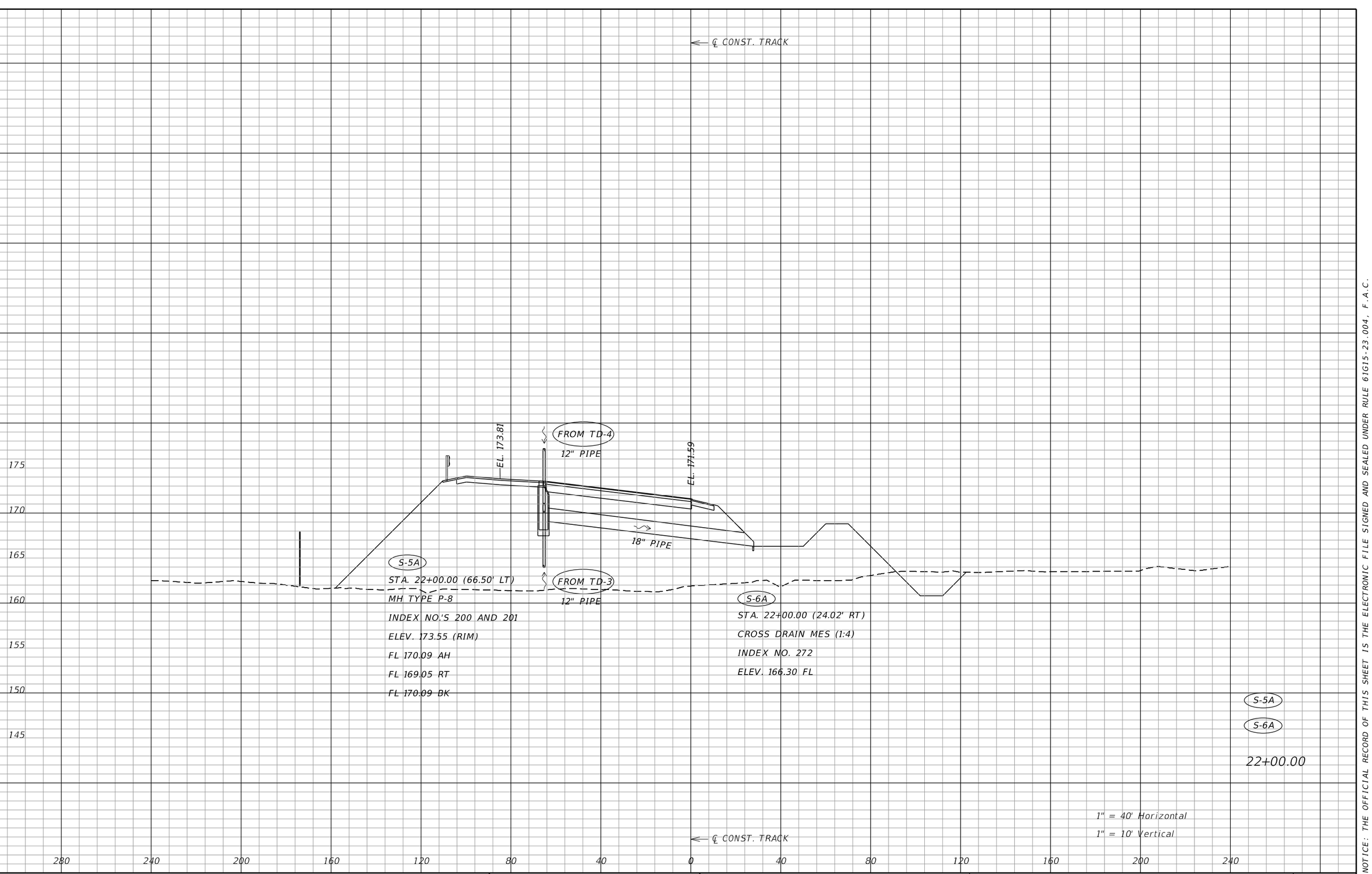
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 143



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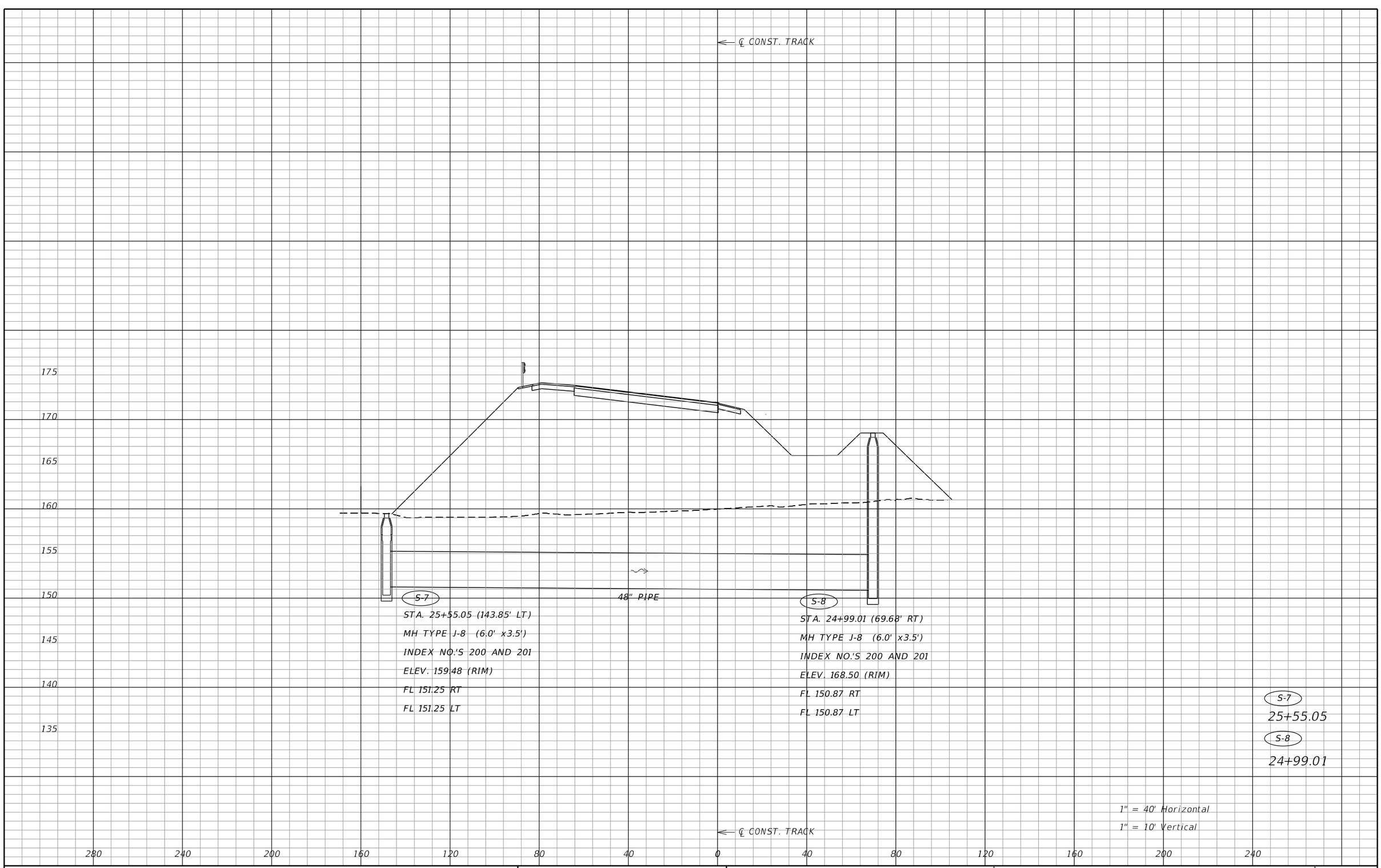
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 144



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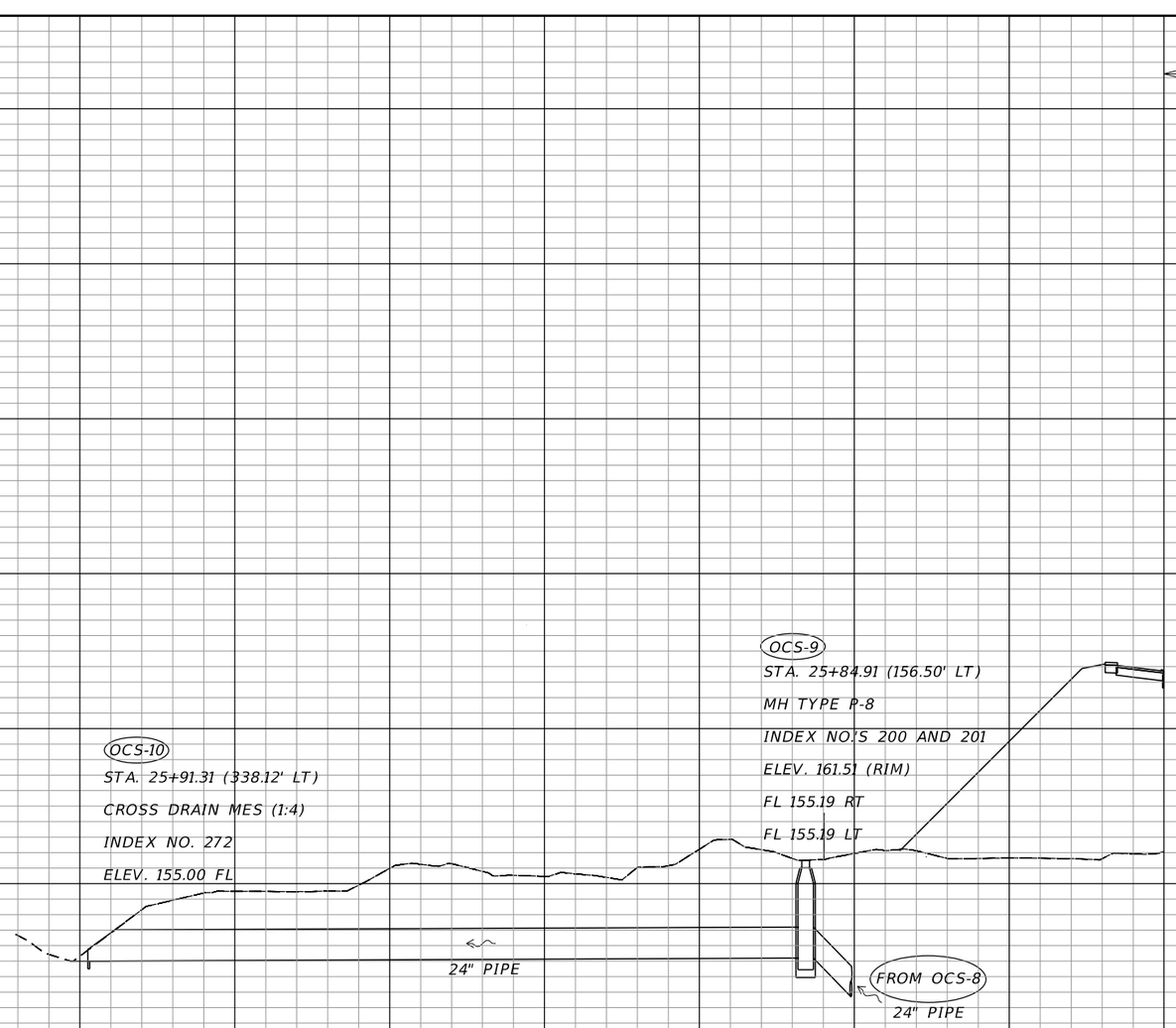
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 145



OCS-9
25+84.91
℄ TRACK

OCS-10
25+91.31
℄ TRACK

1" = 40' Horizontal
1" = 10' Vertical

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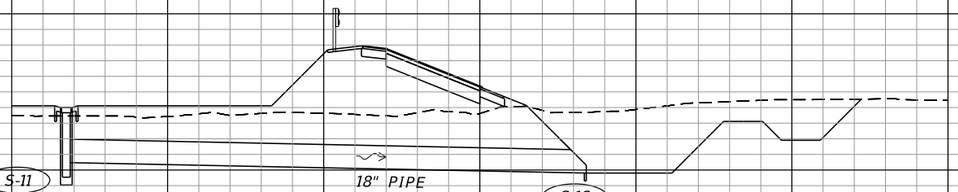
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO.
146



S-11

STA. 37+00.00 (106.00' LT)

DBI TYPE A

INDEX NO.'S 200, 201, AND 230

ELEV. 169.00 (GRATE)

FL 165.25 RT

S-12

STA. 37+00.83 (23.27' RT)

CROSS DRAIN MES (1:4)

INDEX NO. 272

ELEV. 164.80 FL

S-11

S-12

37+00.00

S-9

STA. 36+00.00 (85.00' LT)

DBI TYPE A

INDEX NO.'S 200, 201, AND 230

ELEV. 169.10 (GRATE)

FL 165.30 RT

S-10

STA. 36+00.13 (23.77' RT)

CROSS DRAIN MES (1:4)

INDEX NO. 272

ELEV. 164.90 FL

S-9

S-10

36+00.00

1" = 40' Horizontal

1" = 10' Vertical

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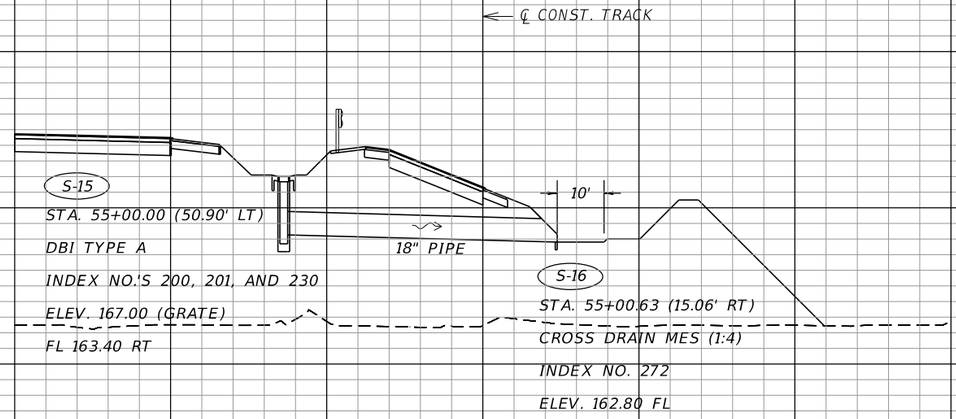
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

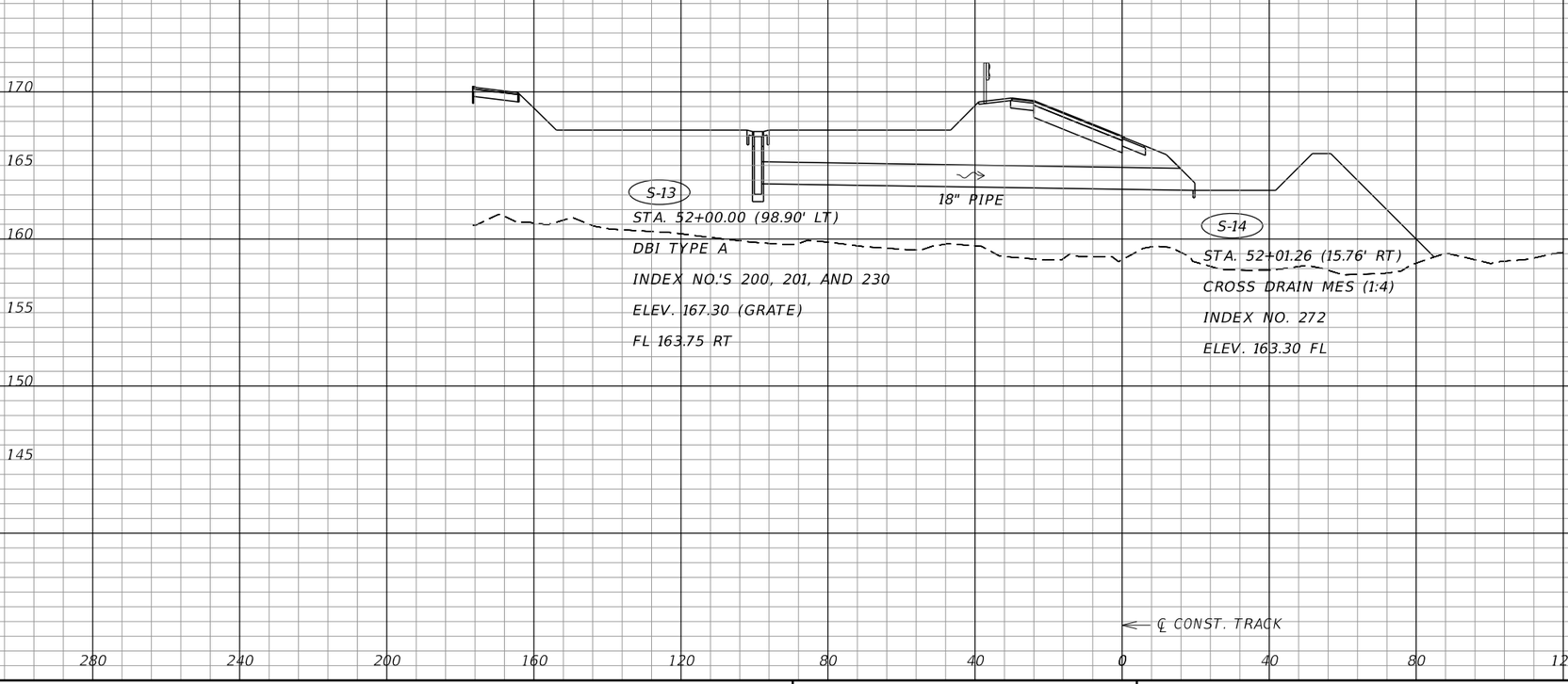
SHEET NO. 147



S-15

S-16

55+00.00



S-13

52+00.00

S-14

52+01.26

1" = 40' Horizontal

1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

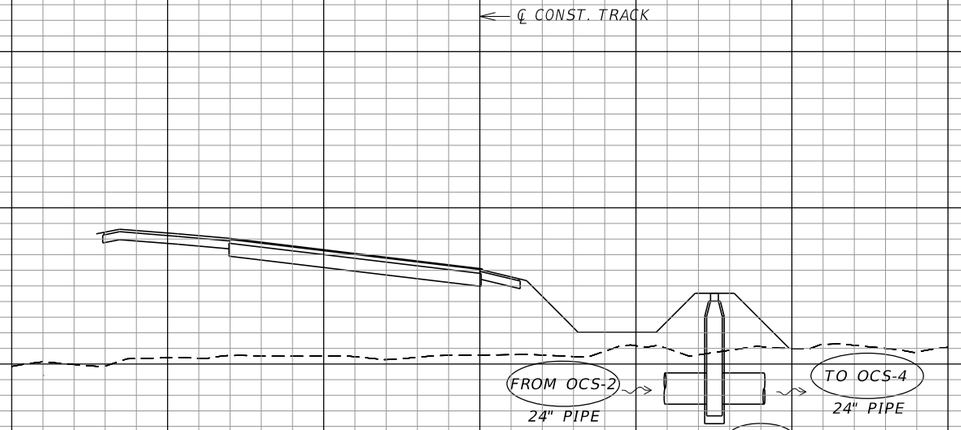
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO.

148



OCS-3

STA. 64+70.63 (60.15' RT)

MH TYPE P-8

INDEX NO.'S 200 AND 201

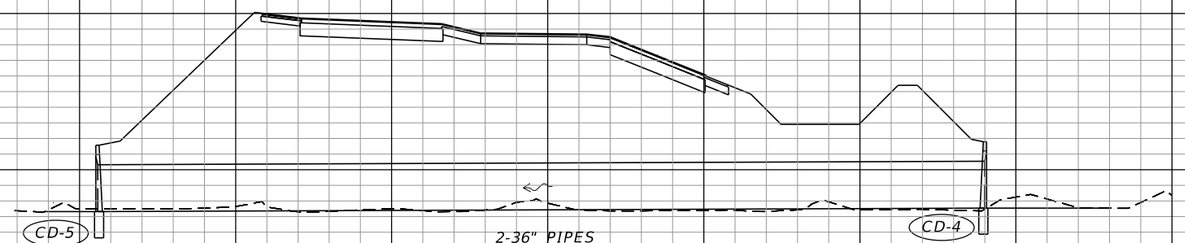
ELEV. 164.53 (RIM)

FL 157.42 RT

FL 157.42 LT

OCS-3

64+70.63



CD-5

STA. 442+10.00 (48.00' RT)

STRAIGHT CONCRETE ENDWALL

INDEX NO. 250

ELEV. 157.31 FL

CD-4

STA. 56+00.00 (71.54' RT)

STRAIGHT CONCRETE ENDWALL (1:4)

INDEX NO. 250

ELEV. 157.54 FL

CD-4

56+00.00

CD-5

442+10.00

℄ ESAWAY

1" = 40' Horizontal

1" = 10' Vertical

℄ CONST. TRACK

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 149

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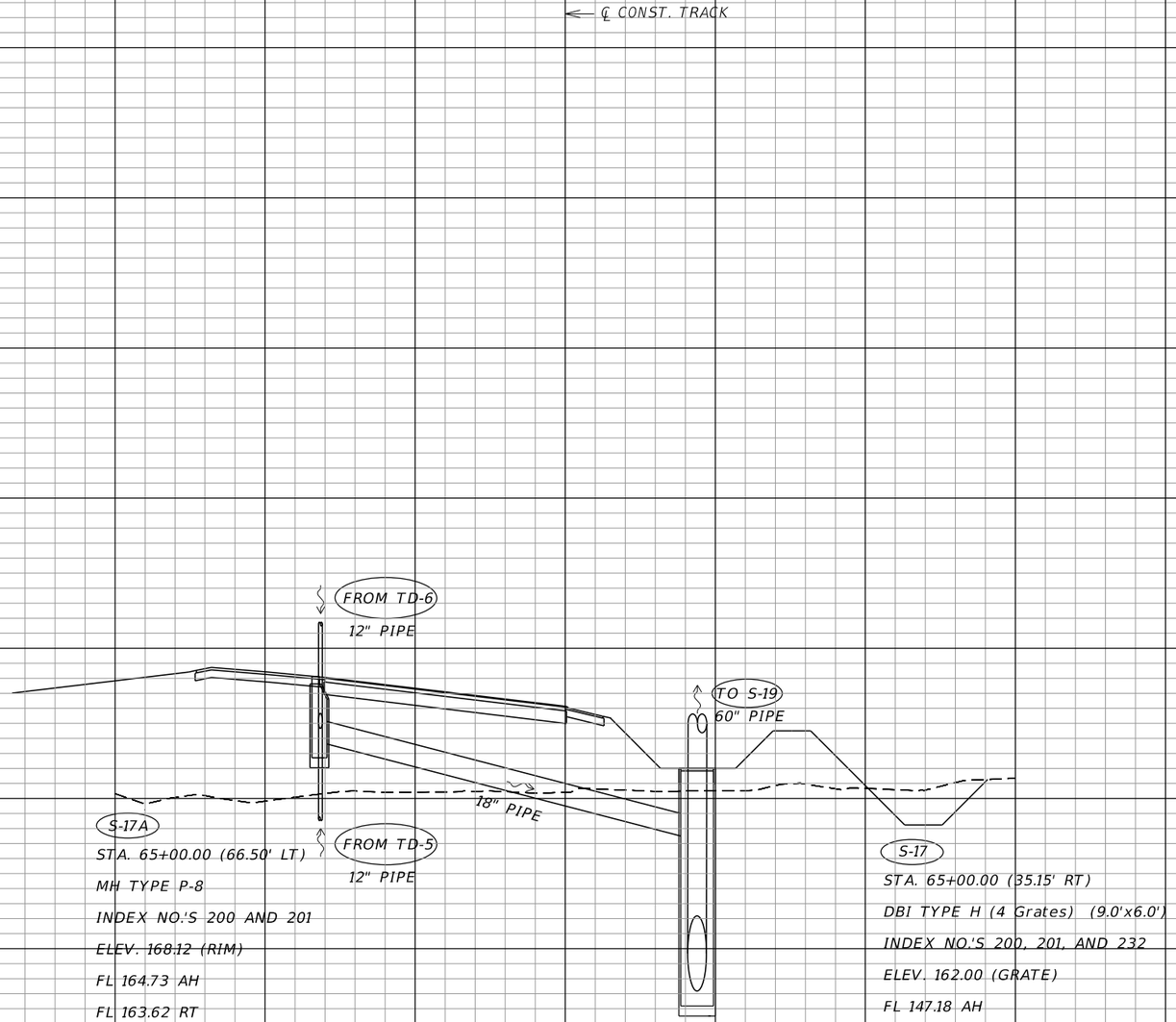

S-17A

S-17

65+00.00

1" = 40' Horizontal

1" = 10' Vertical

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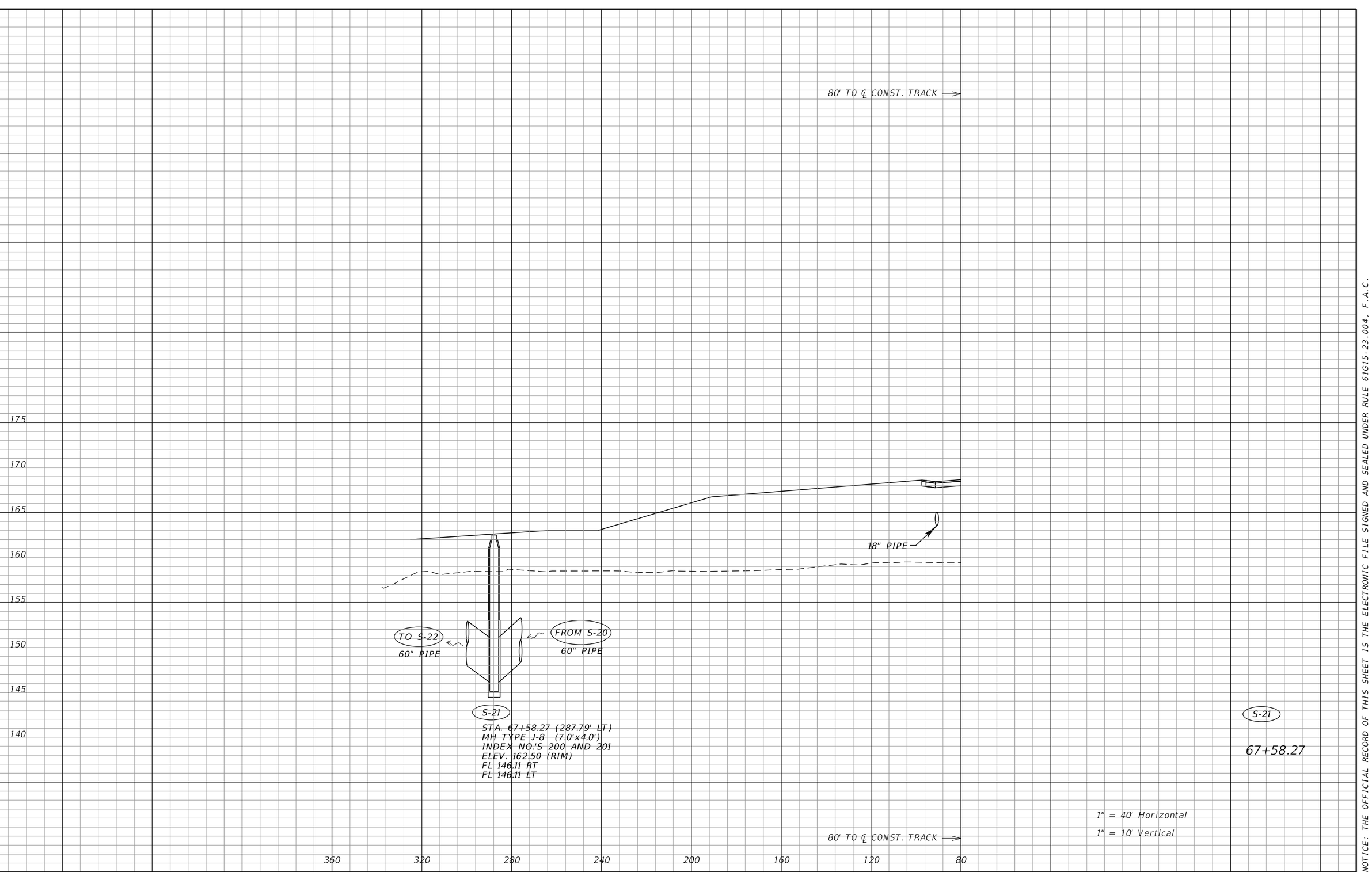
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 150



1" = 40' Horizontal

1" = 10' Vertical

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N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 151

460' TO ℄ CONST. TRACK →

175
170
165
160
155
150
145
140
135

FROM S-22
60" PIPE

S-23
STA. 67+91.55 (809.56' LT)
MH TYPE J-8 (7.0'x7.0')
INDEX NO.'S 200 AND 201
ELEV. 162.00 (RIM)
FL 145.06 RT
FL 145.06 BK

60" PIPE

S-24
STA. 67+91.55 (809.56' LT)
CROSS DRAIN MES (1:4)
INDEX NO. 272
ELEV. 145.00 FL

S-23
S-24
460' TO ℄ CONST. TRACK → 67+91.55

1" = 40' Horizontal
1" = 10' Vertical

900 860 820 780 740 700 660 620 580 540 500 460

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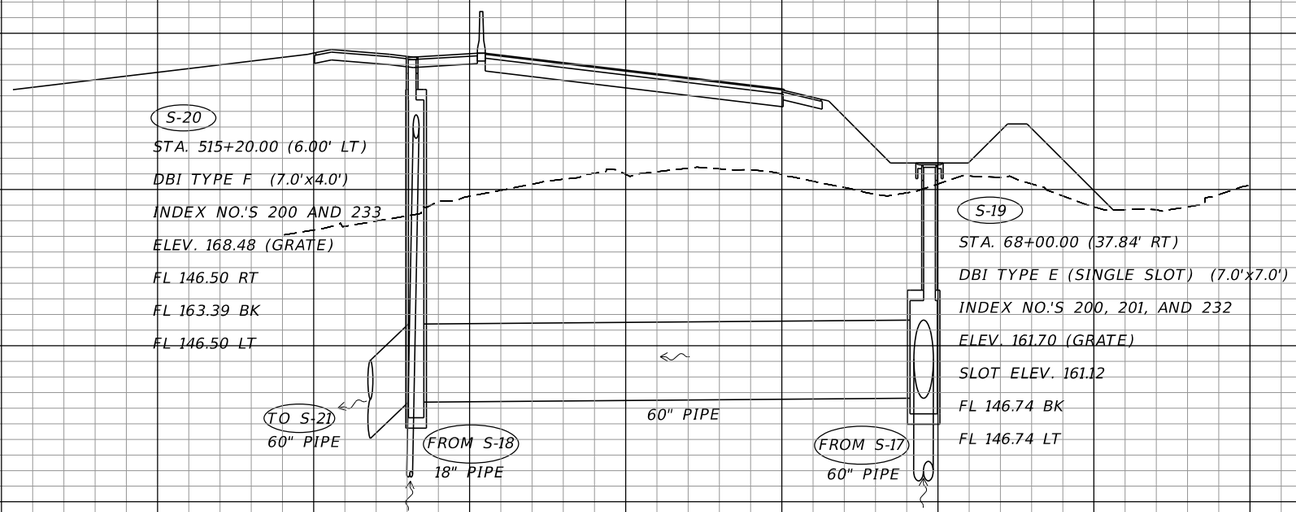
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 152



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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 153

360' TO ℄ CONST. TRACK →

175

170

170

165

160

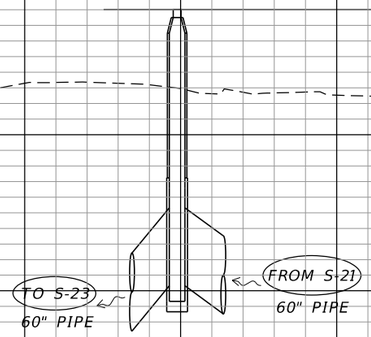
155

150

145

140

135



S-22

ST.A. 68+29.66 (680.91' LT)
MH TYPE J-8 (7.0'x4.0')
INDEX NO.S 200 AND 201
ELEV. 163.00 (RIM)
FL 145.32 RT
FL 145.32 LT

S-22

360' TO ℄ CONST. TRACK →

68+29.66

1" = 40' Horizontal

1" = 10' Vertical

760 720 680 640 600 560 520 480 440 400 360

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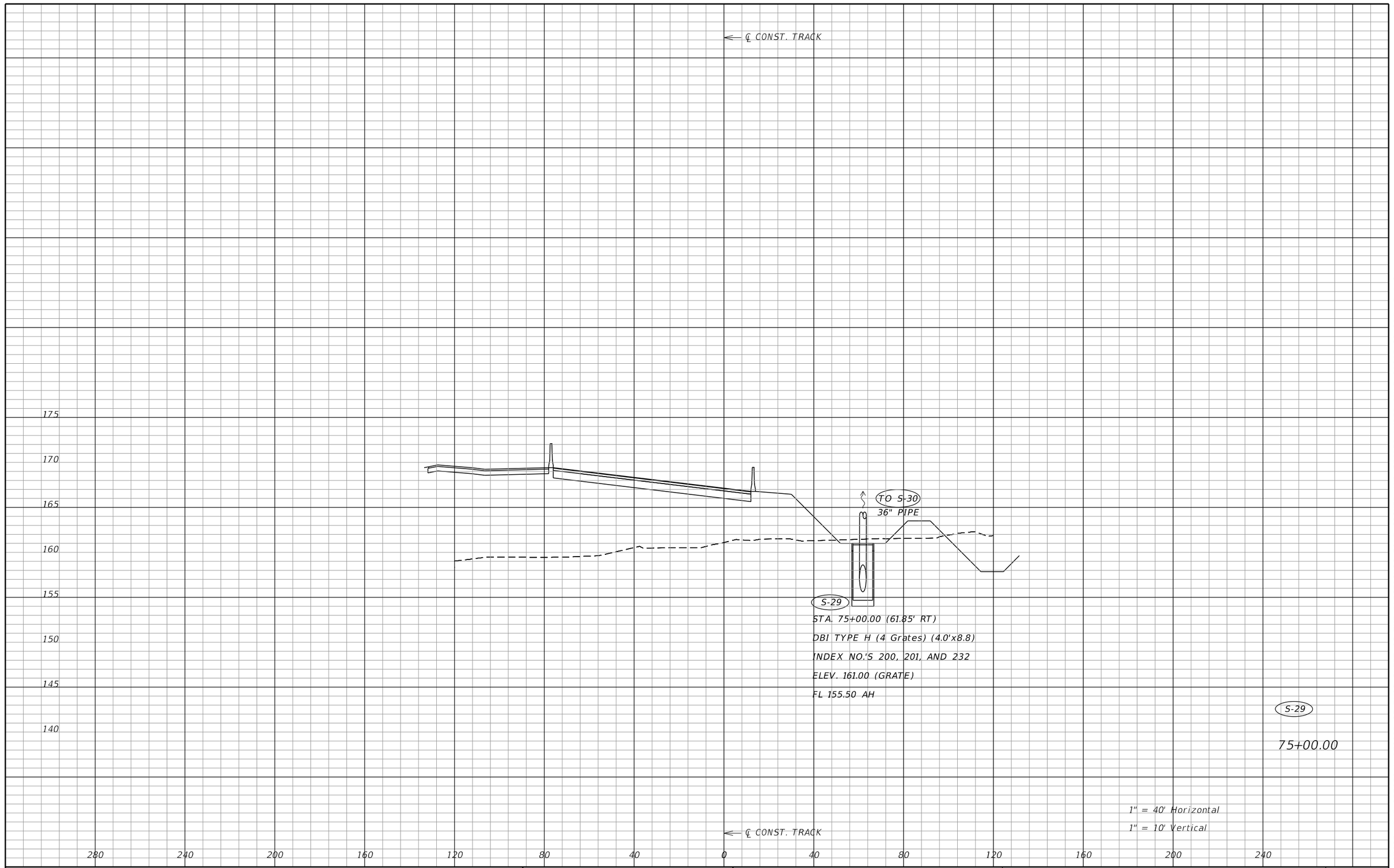
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 154



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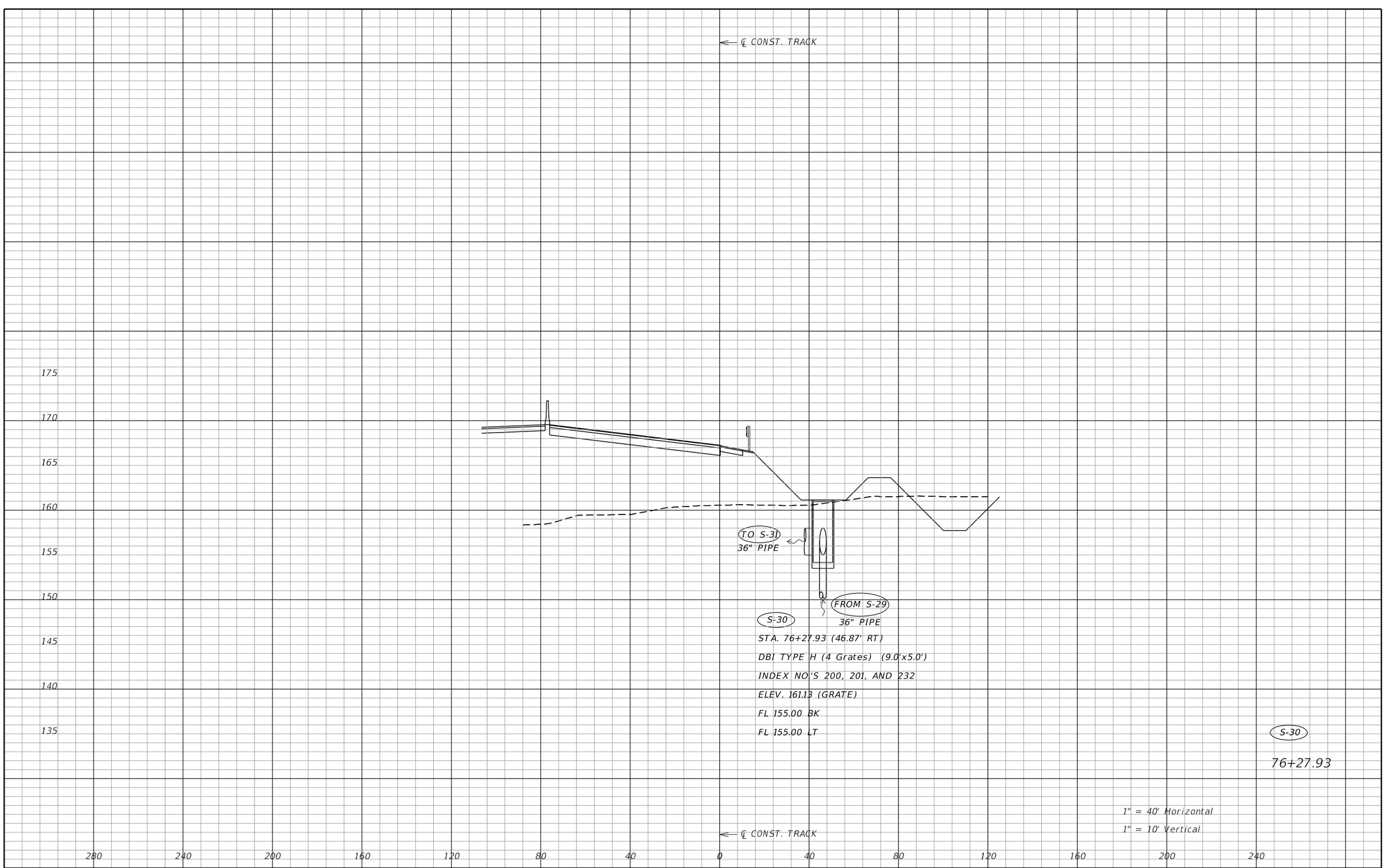
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 155



S-30

76+27.93

1" = 40' Horizontal

1" = 10' Vertical

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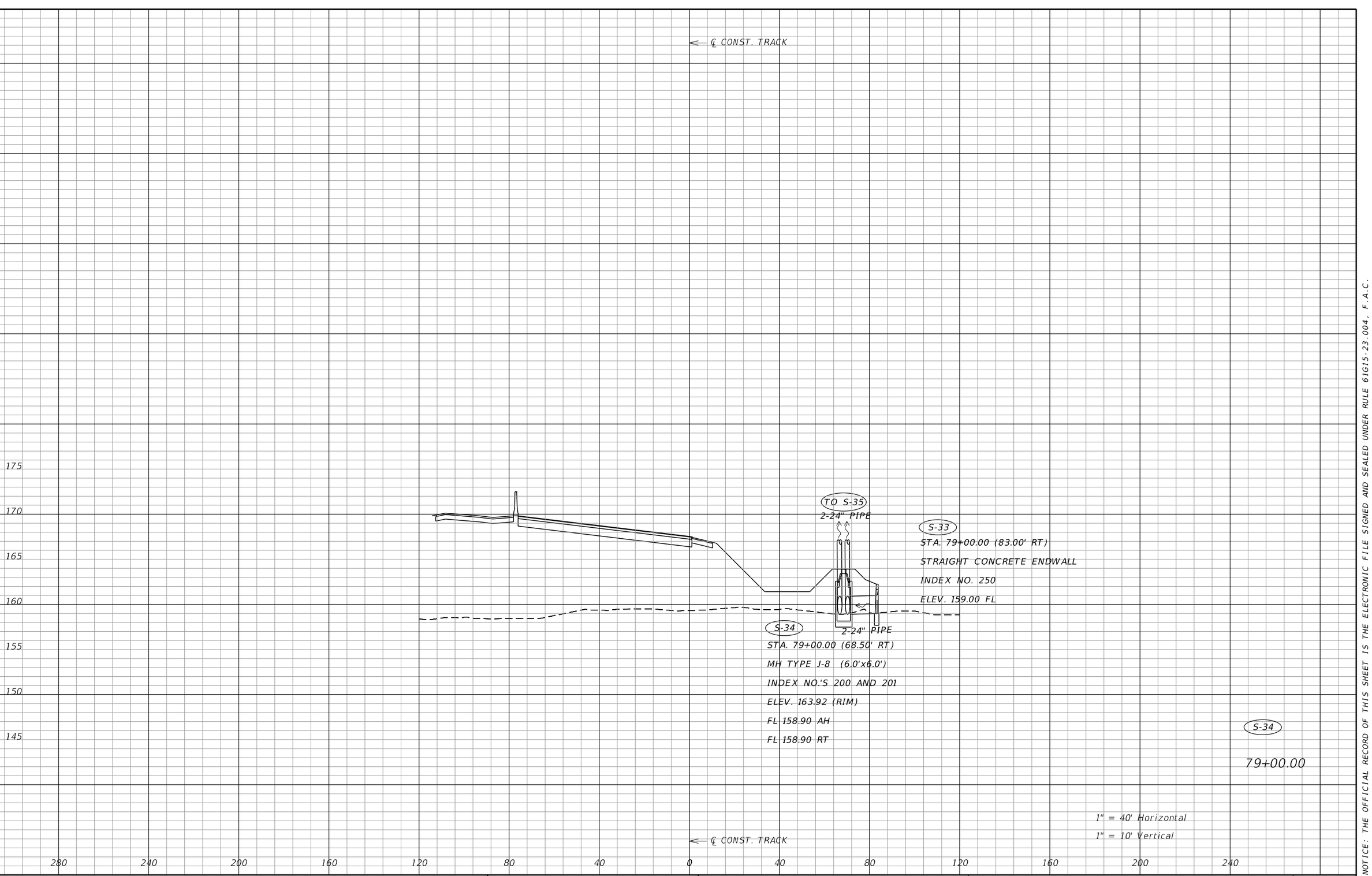
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 156



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 157

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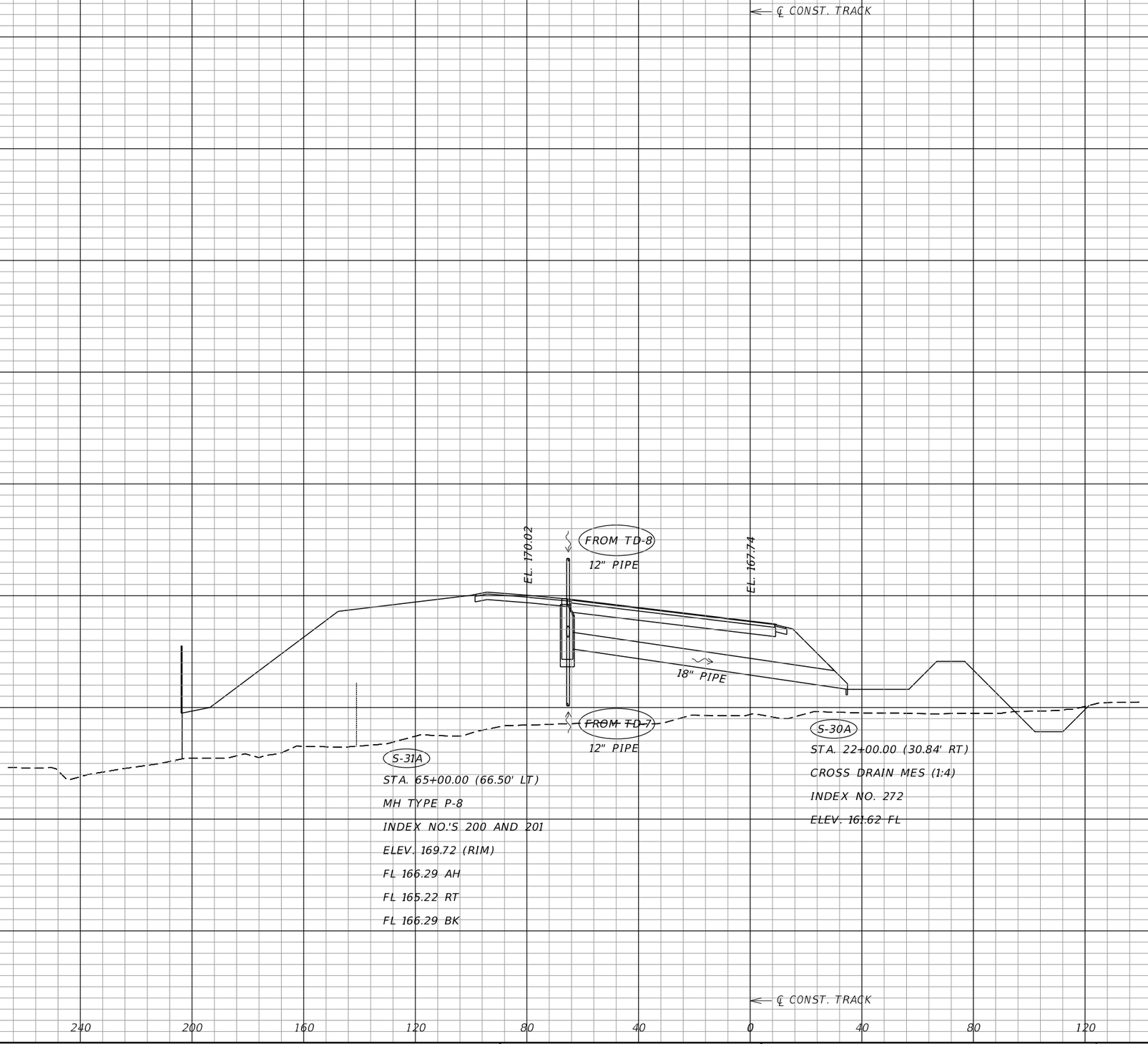

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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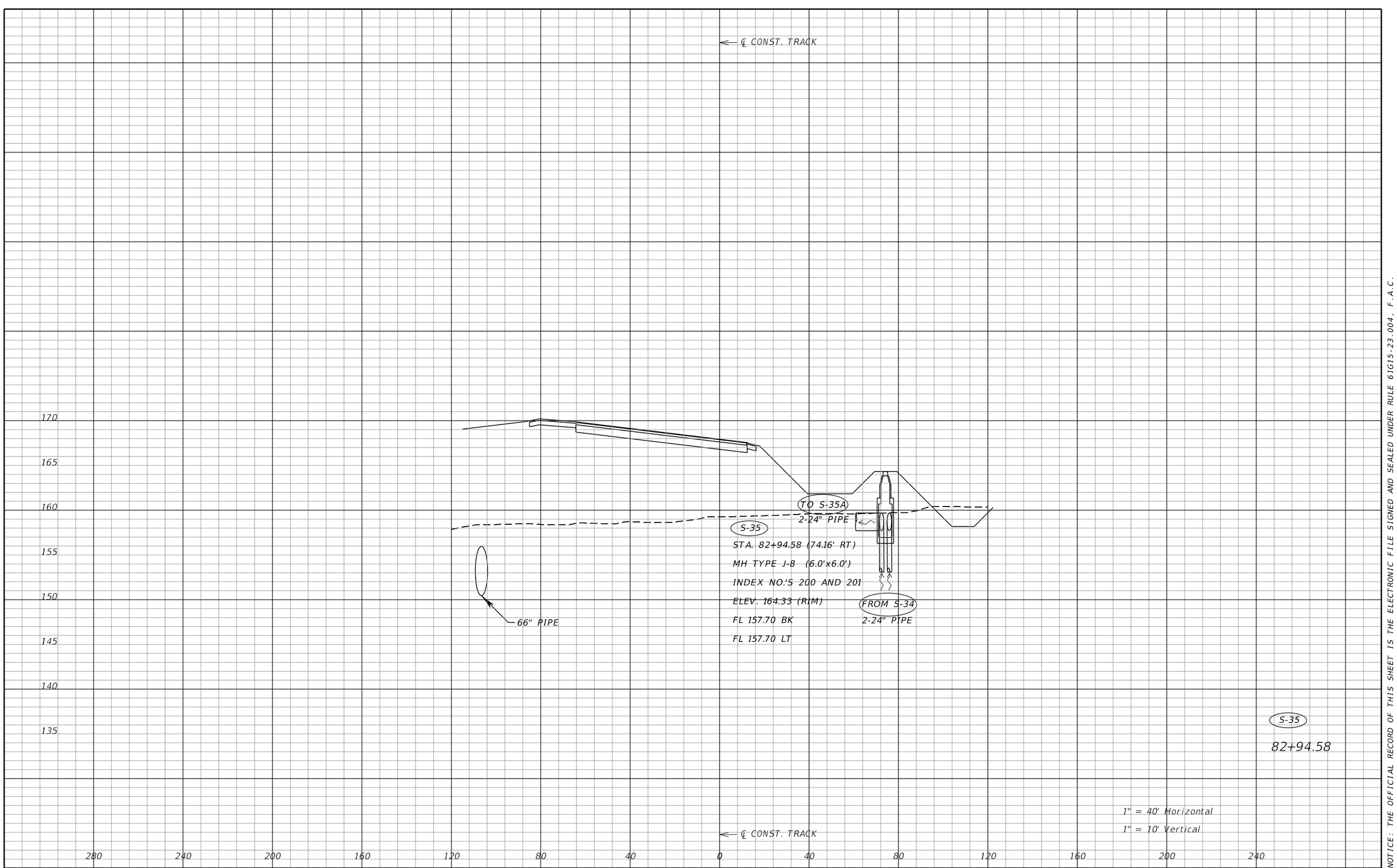
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 158

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



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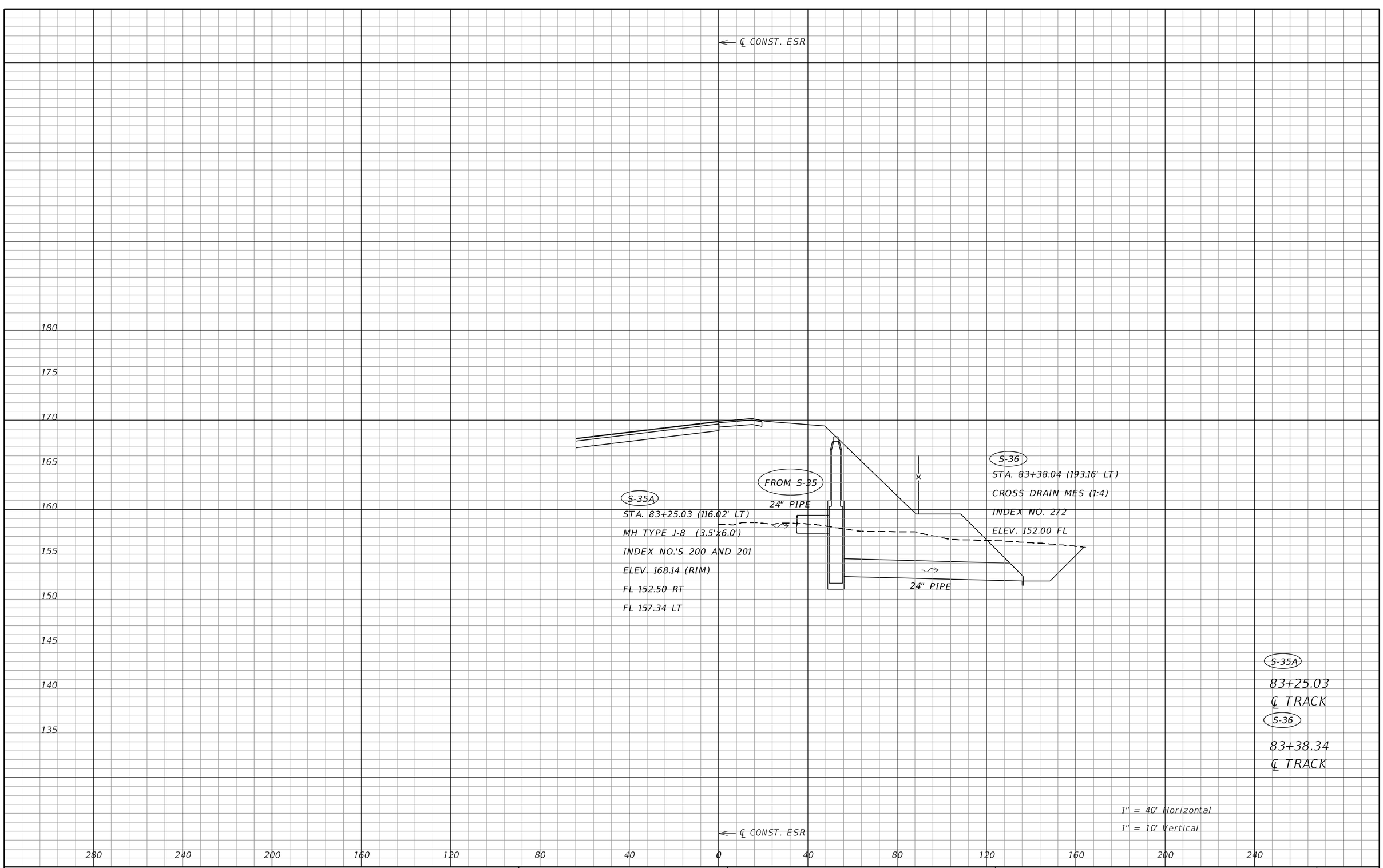
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 159



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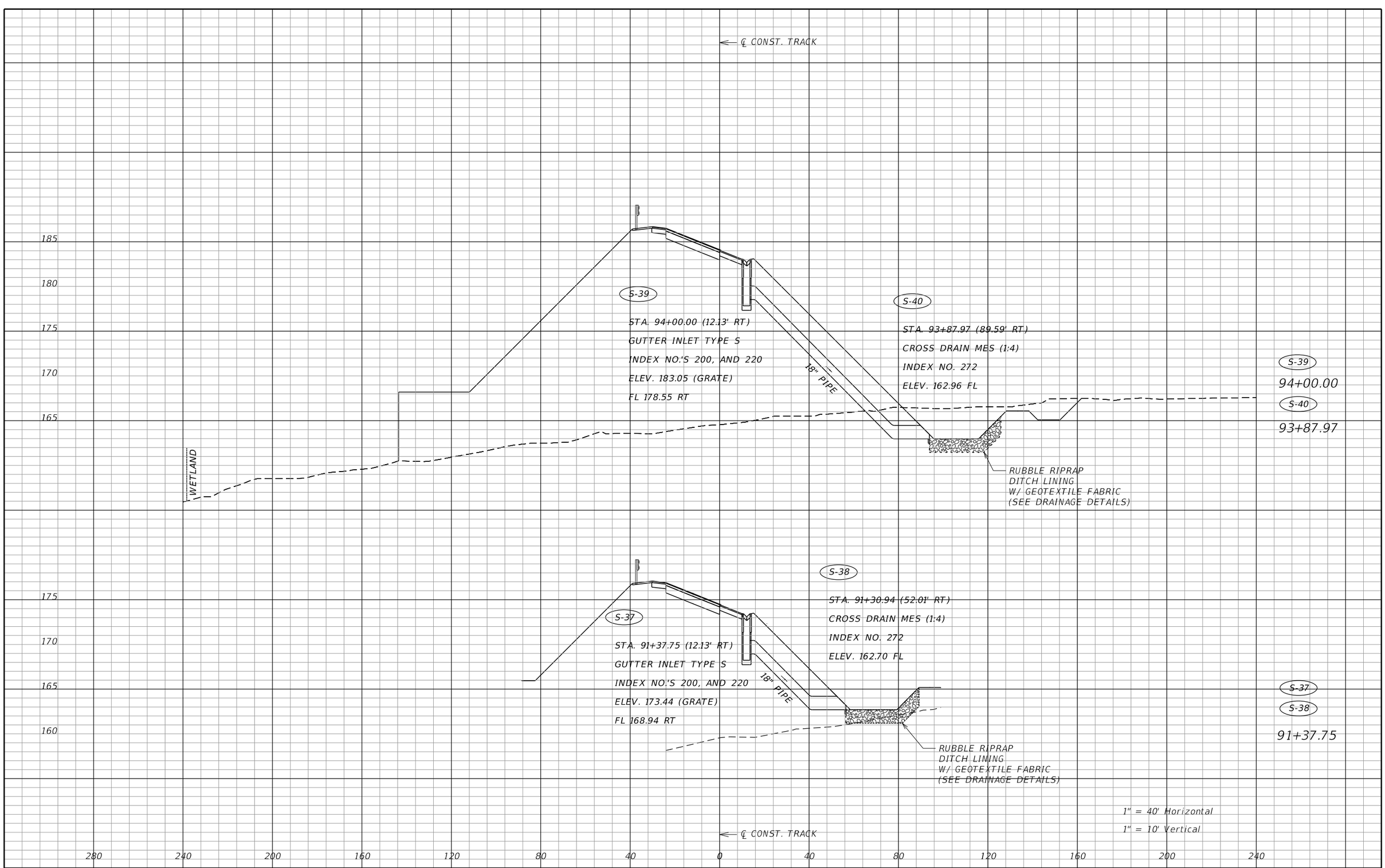
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 160



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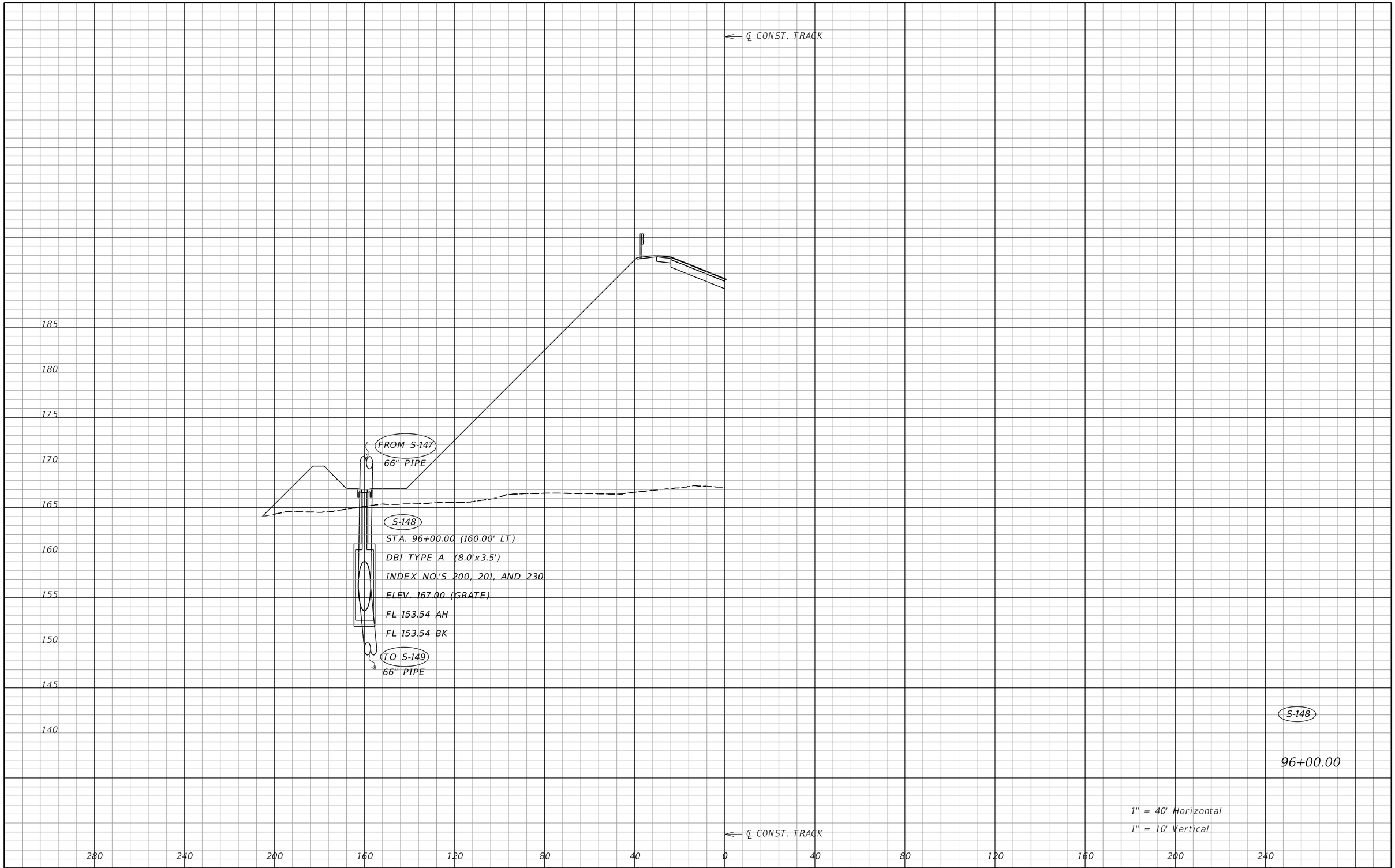
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 161



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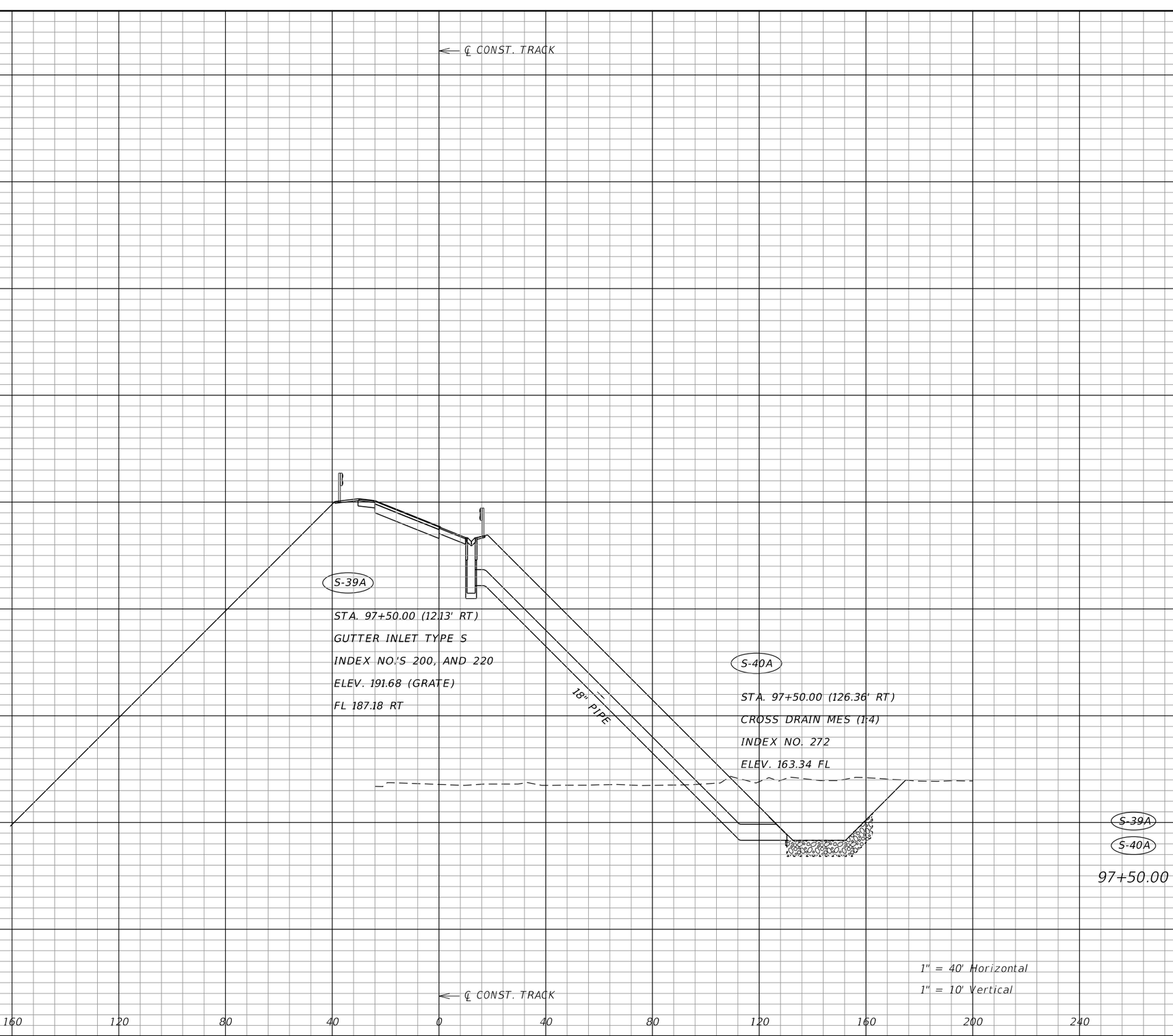
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 162



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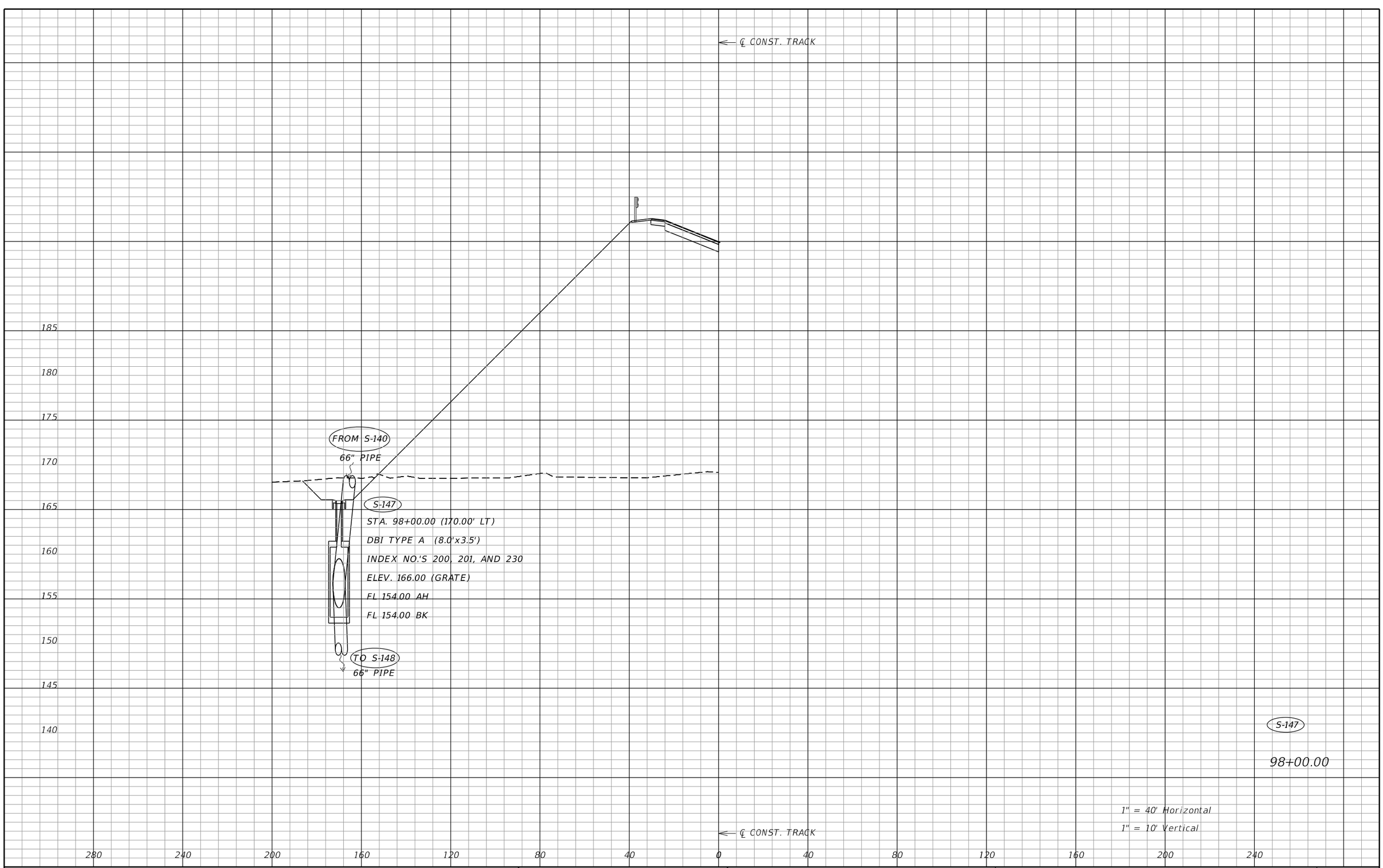
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 163



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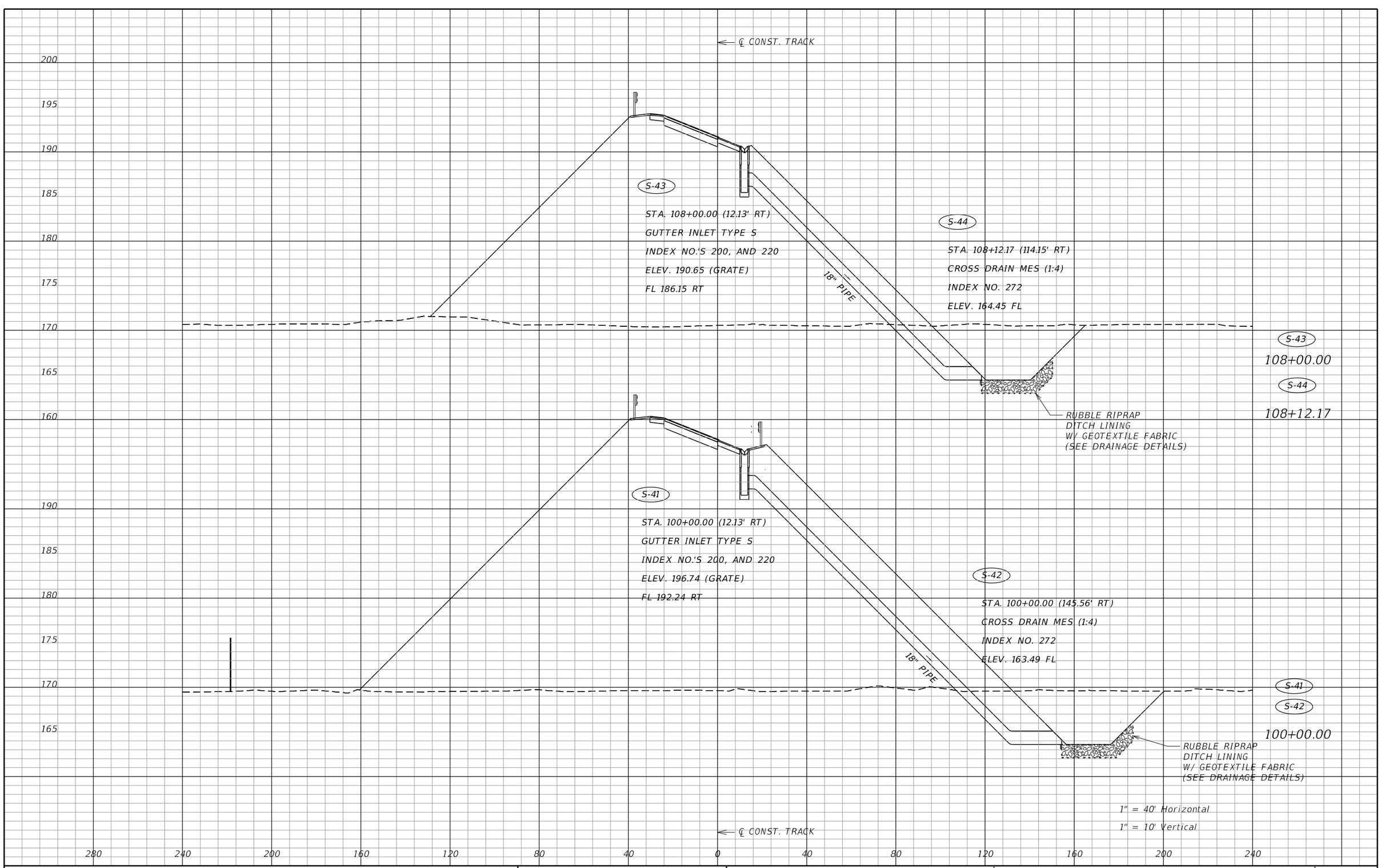
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 164



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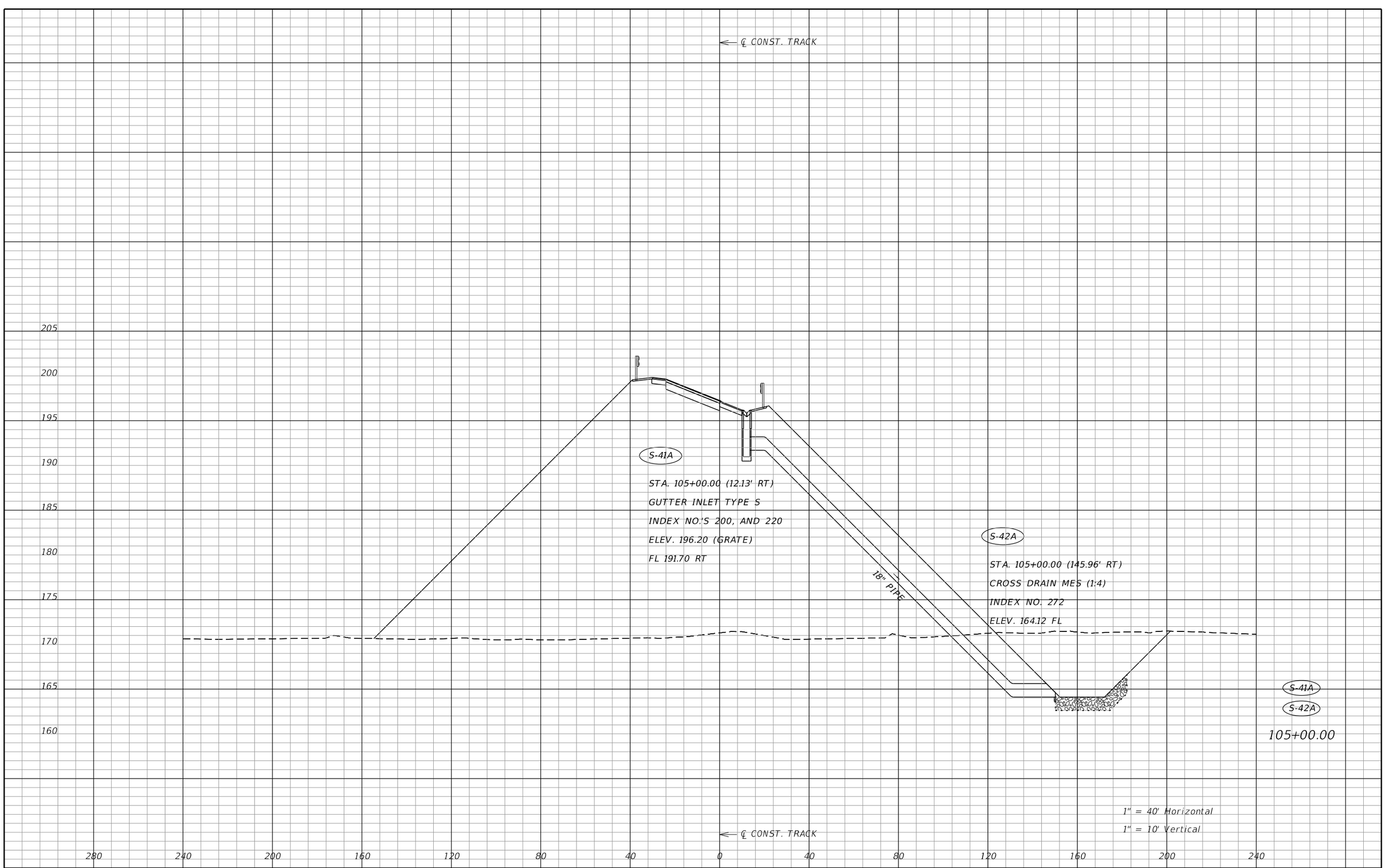
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 165



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N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 166

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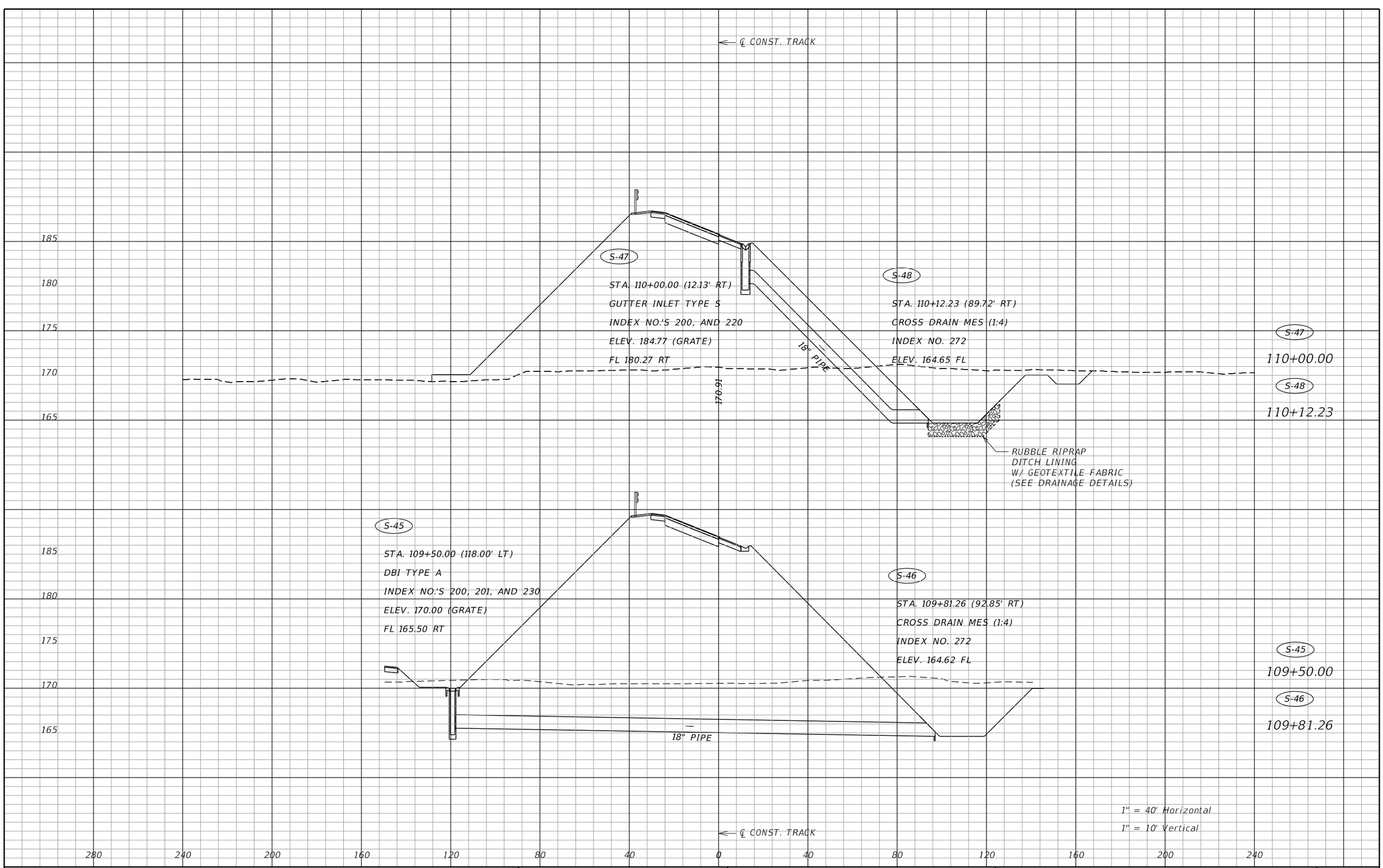

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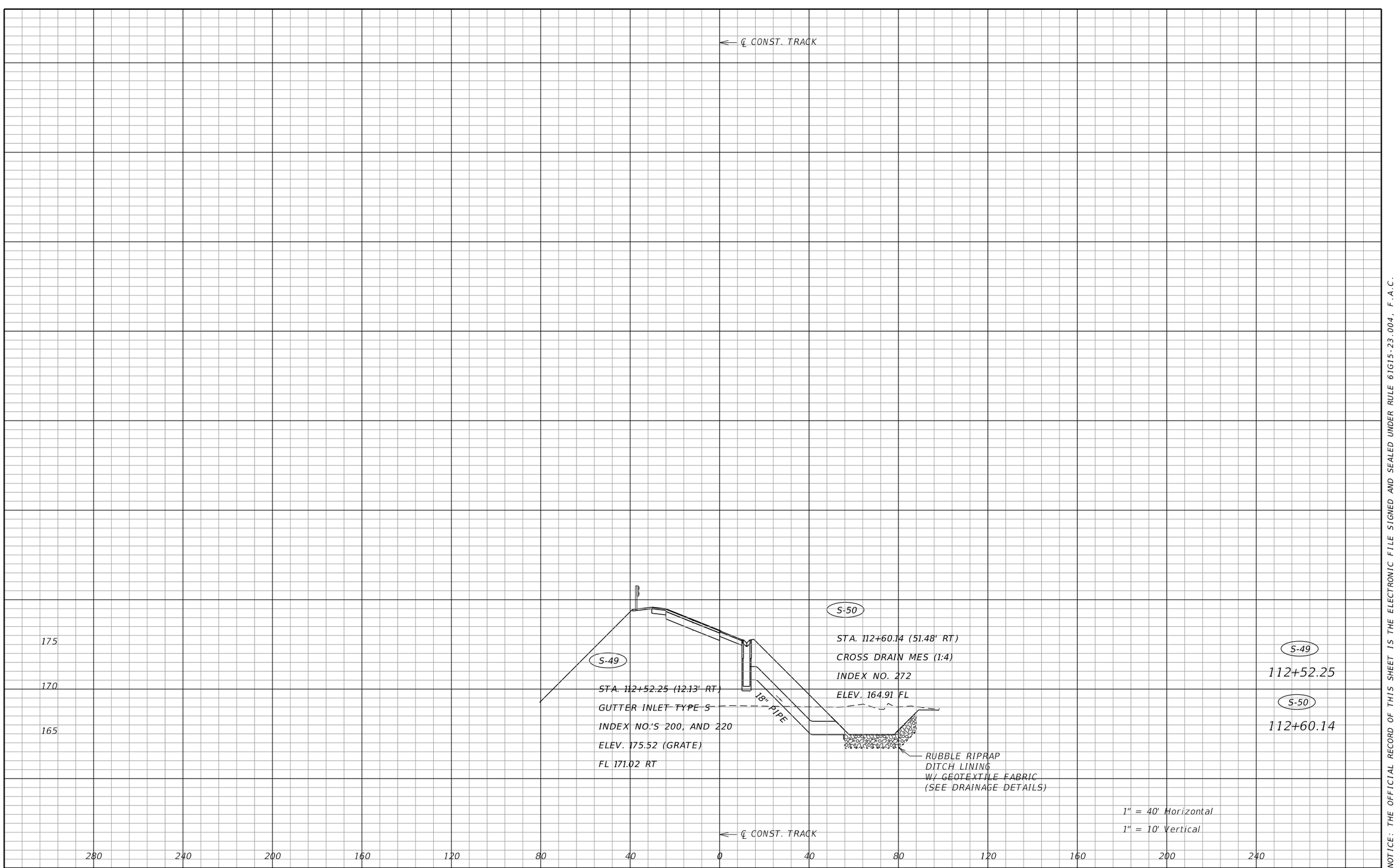
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 167



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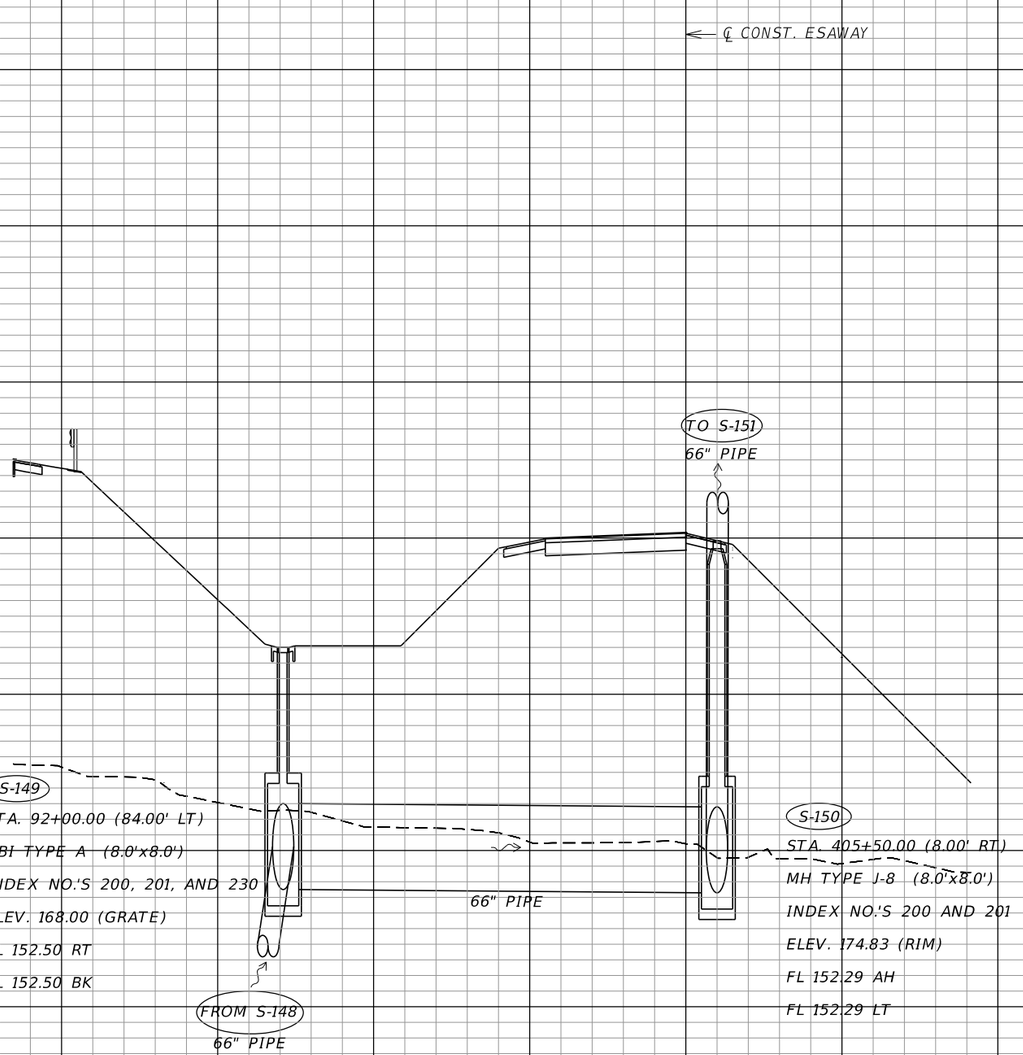
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 168



S-149
92+00.00
℄ TRACK
S-150
405+50.00

1" = 40' Horizontal
1" = 10' Vertical

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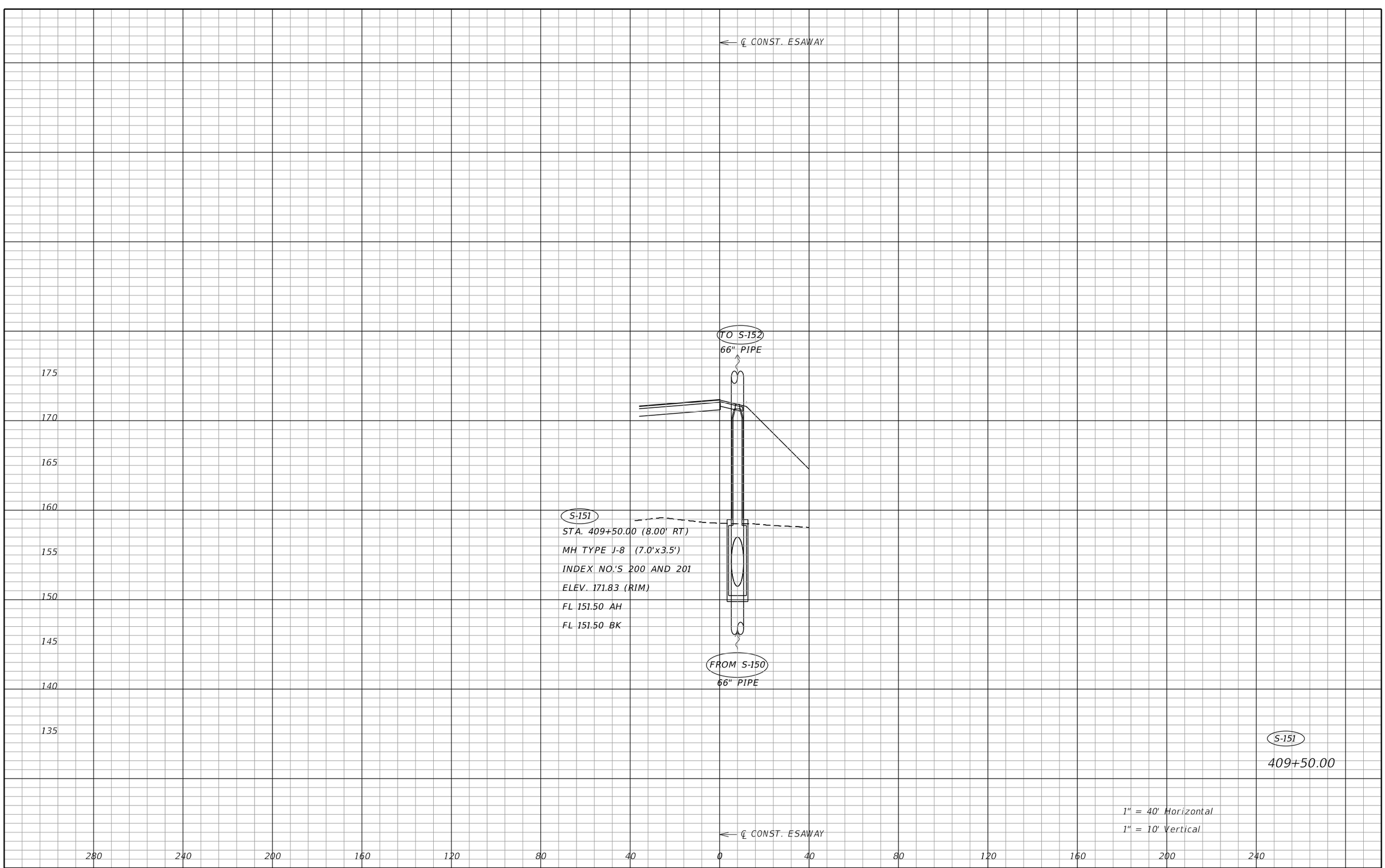
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 169



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DRAINAGE STRUCTURES

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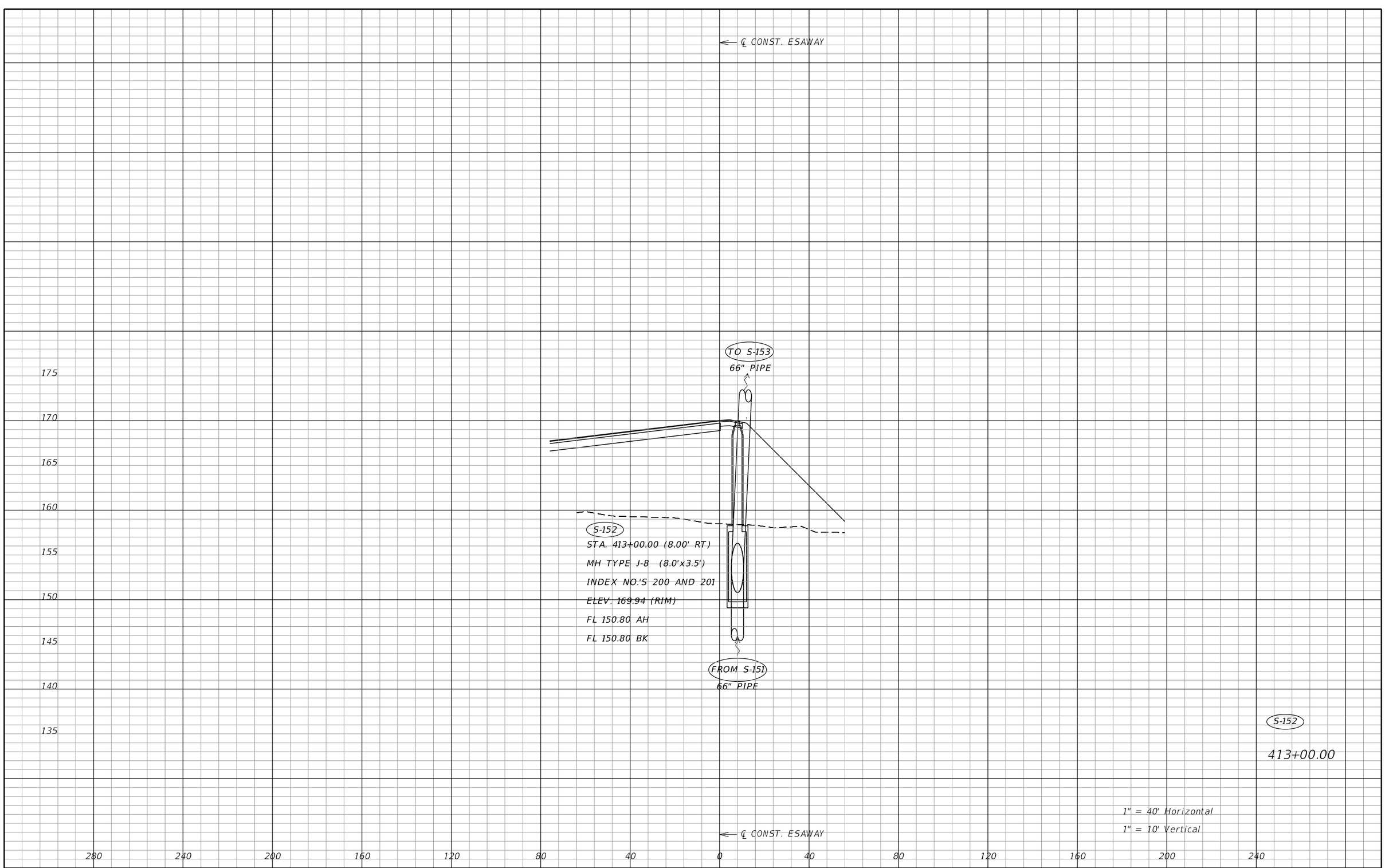

S-152

413+00.00

1" = 40' Horizontal

1" = 10' Vertical

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DRAINAGE STRUCTURES

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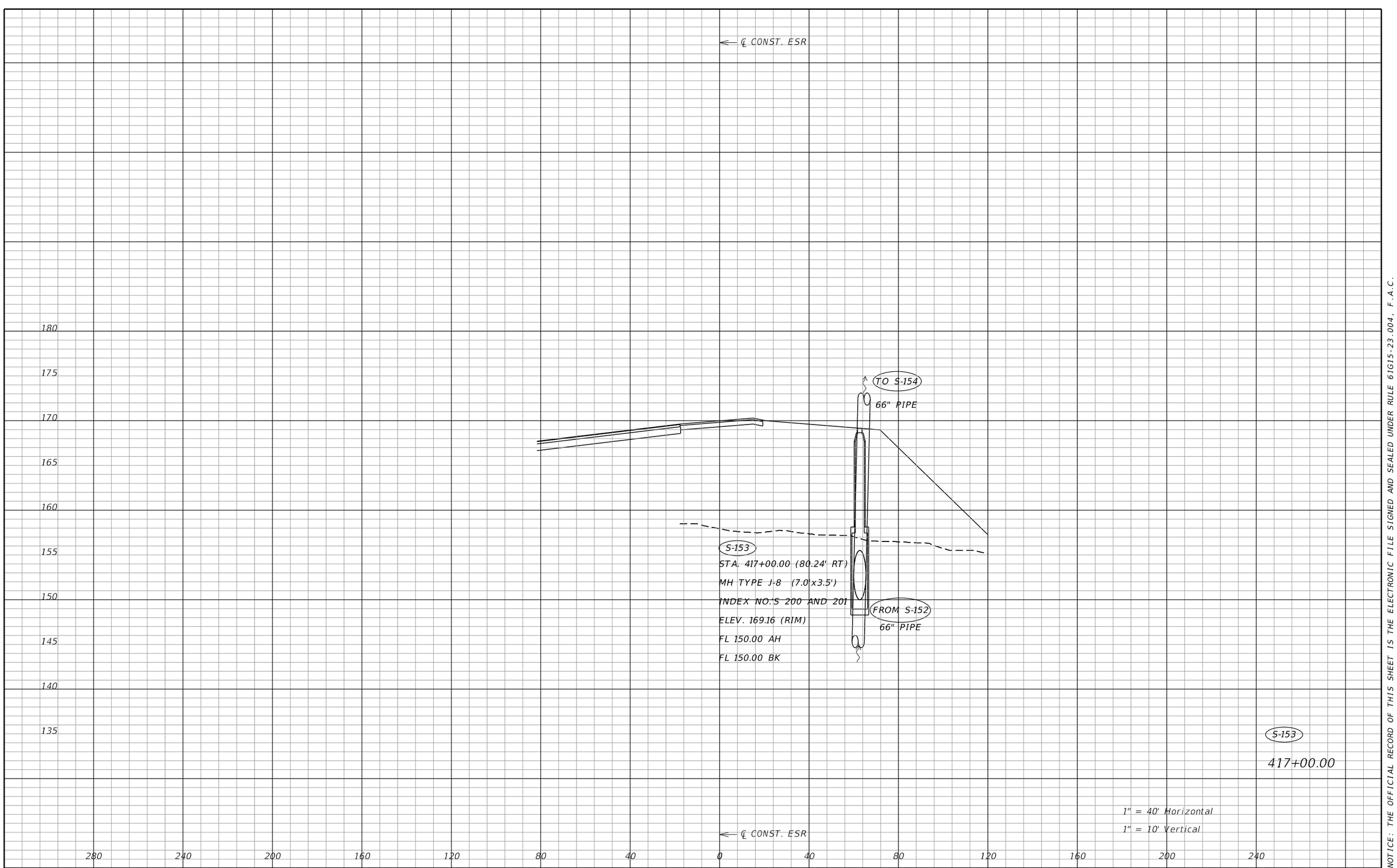

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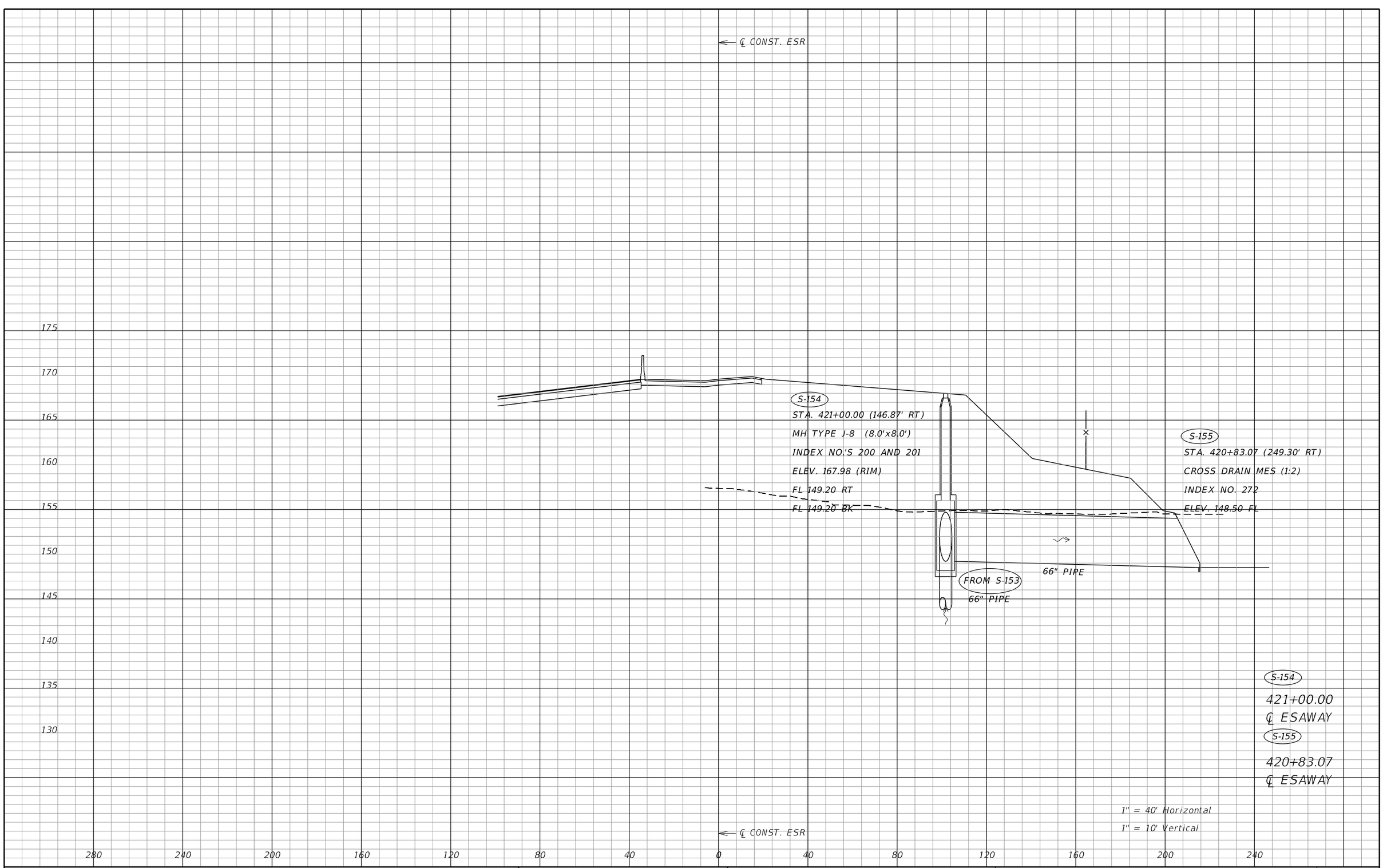

S-154
421+00.00
℄ ESAWAY
S-155
420+83.07
℄ ESAWAY

1" = 40' Horizontal
1" = 10' Vertical

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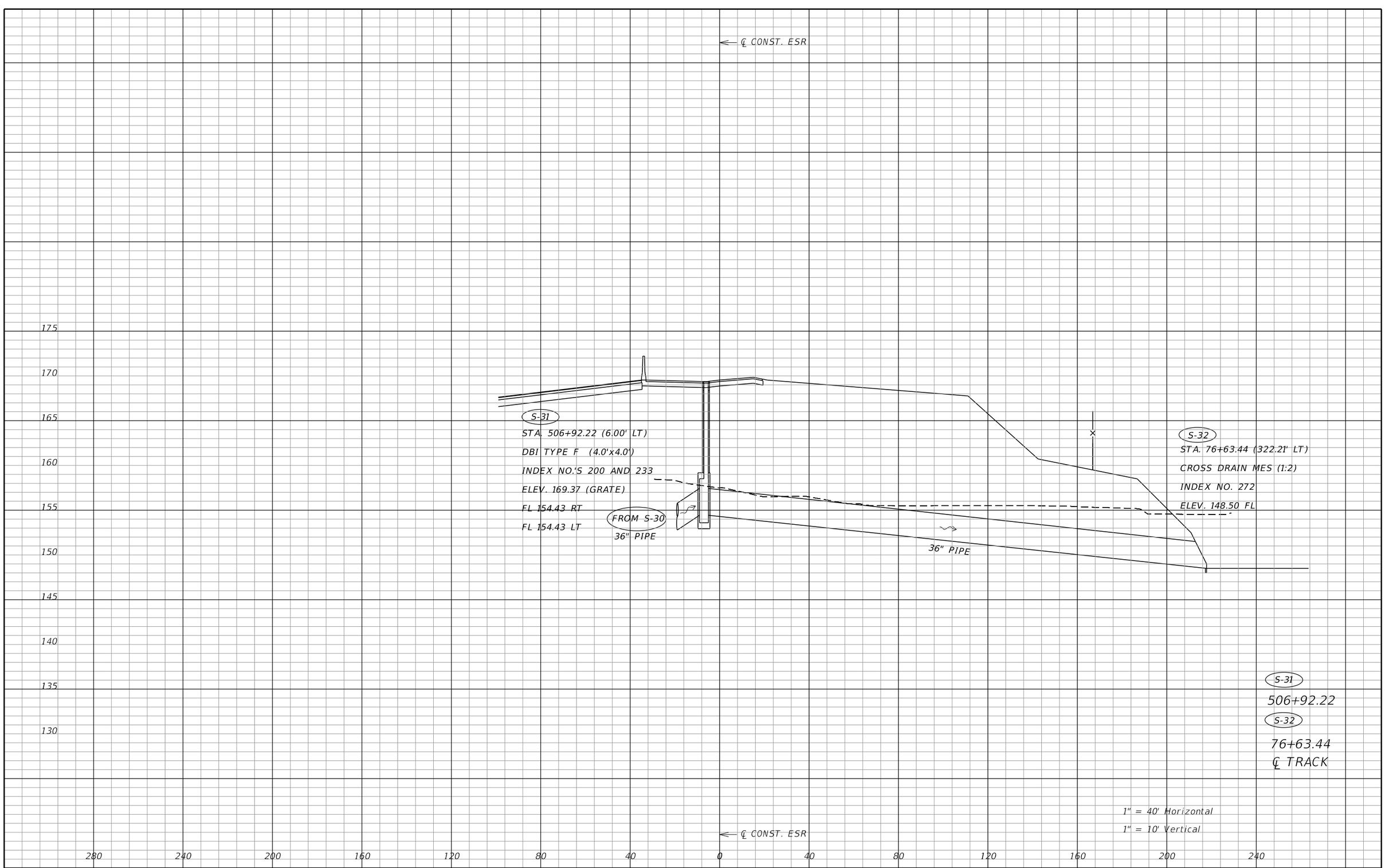
SHEET NO. 173



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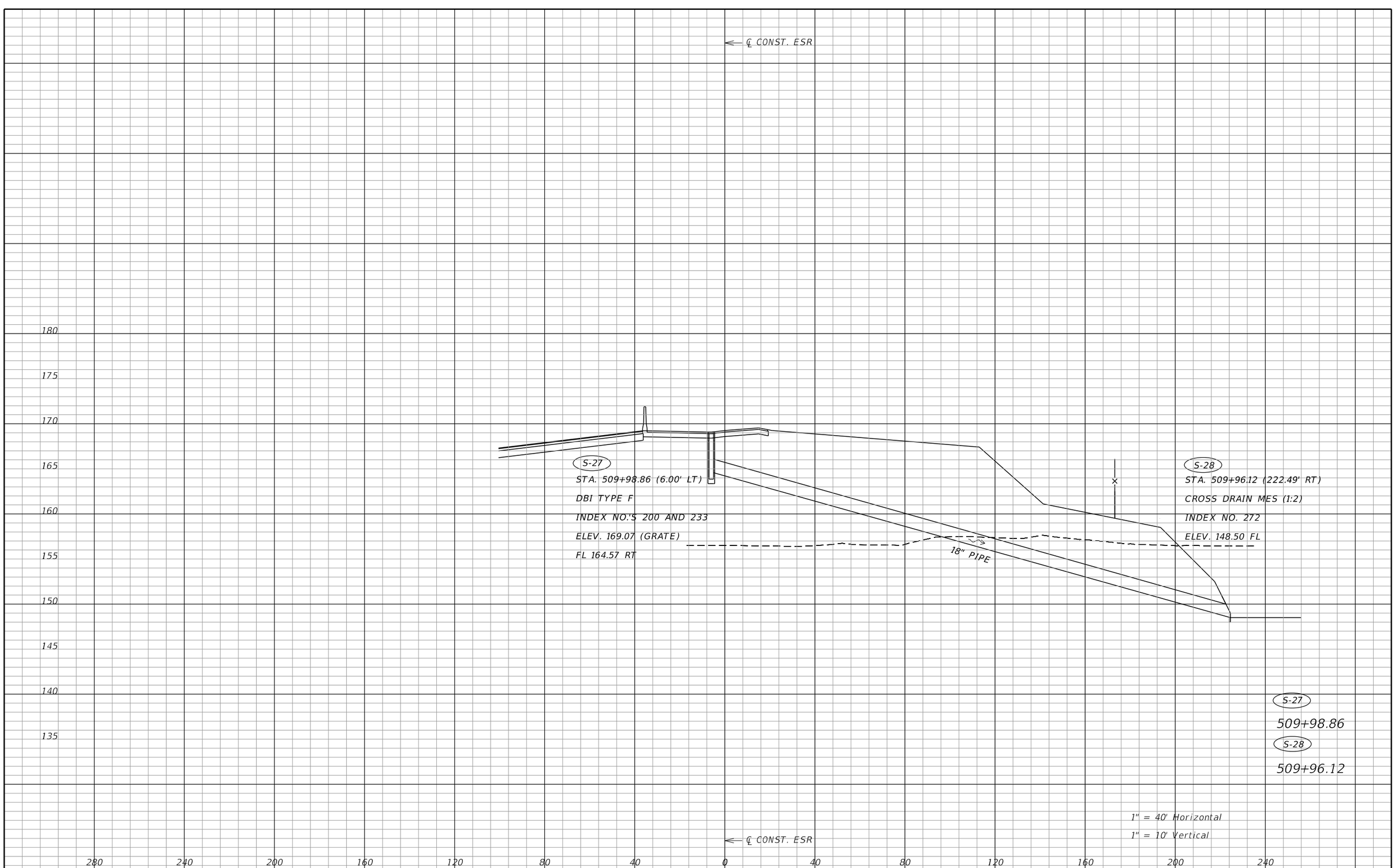

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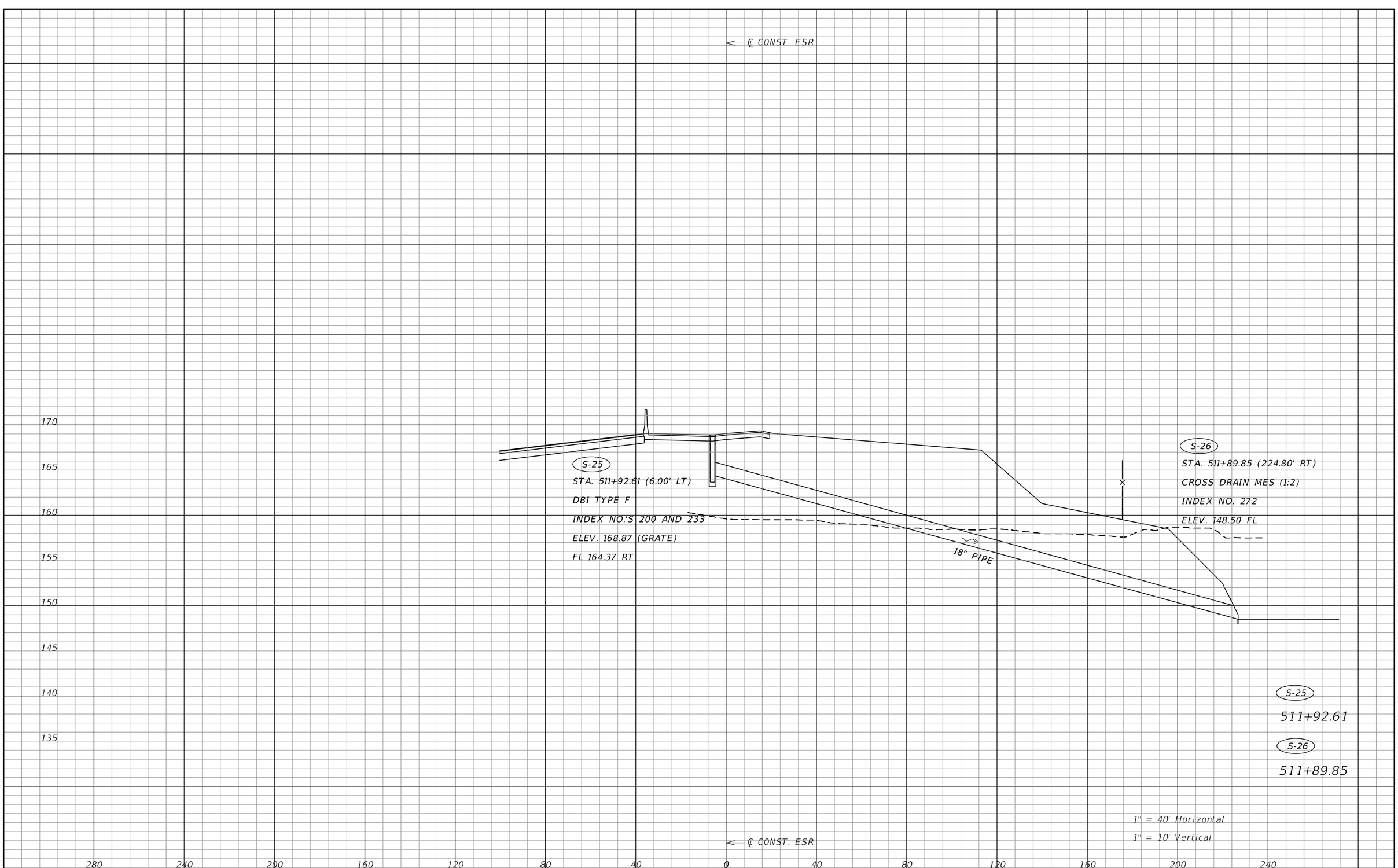
DRAINAGE STRUCTURES

SHEET NO. 175



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DRAINAGE STRUCTURES

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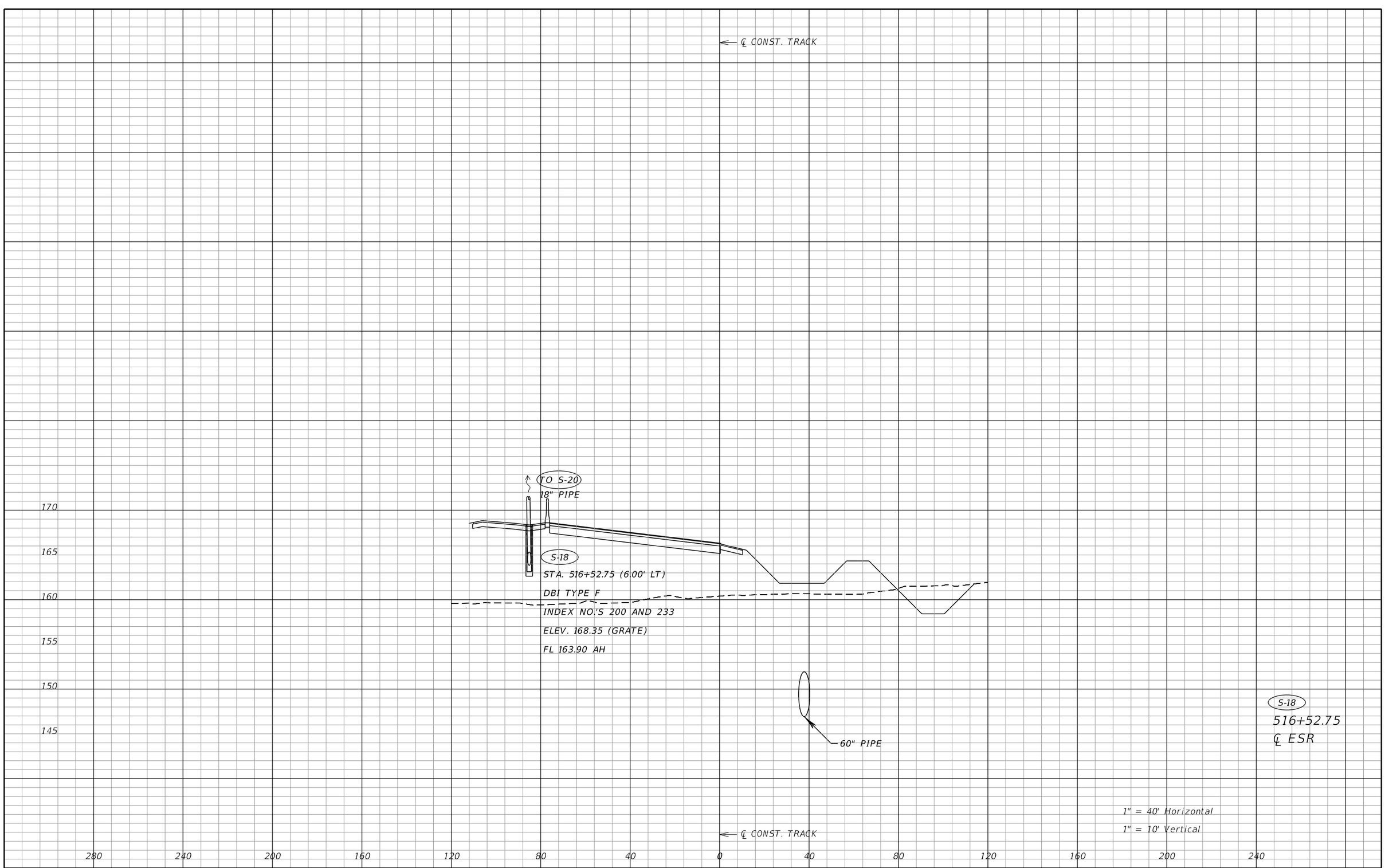

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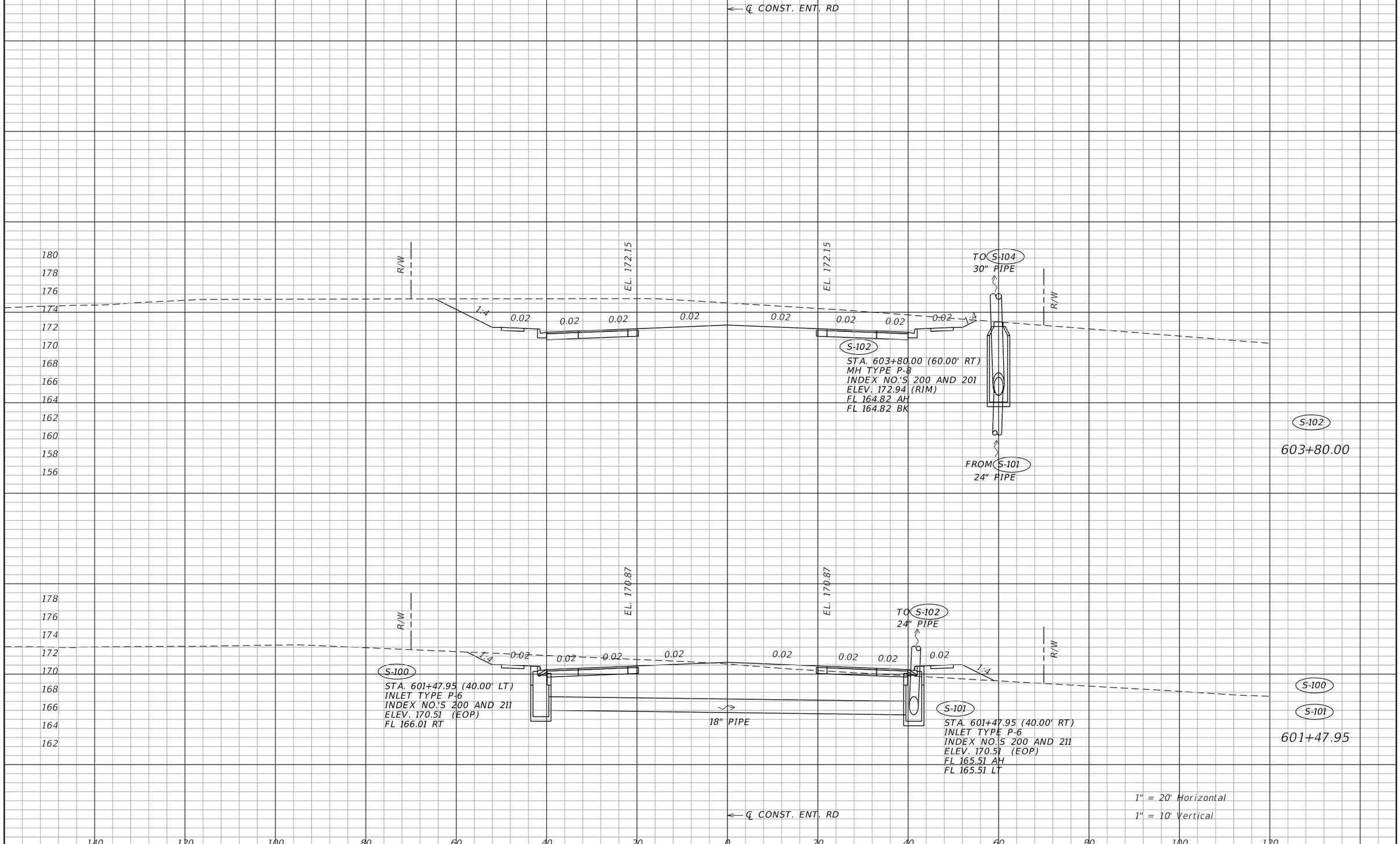
DRAINAGE STRUCTURES

SHEET NO. 177



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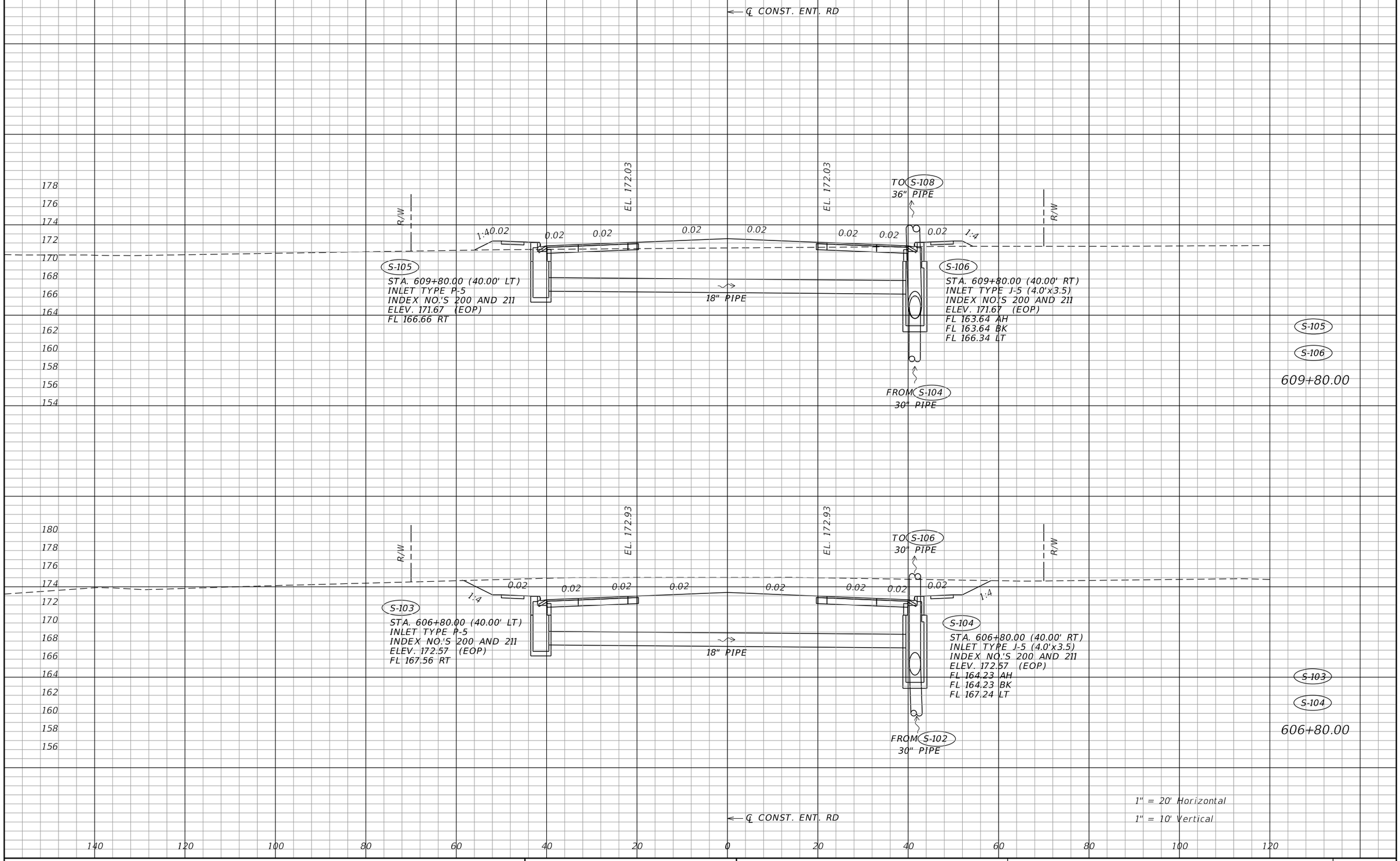

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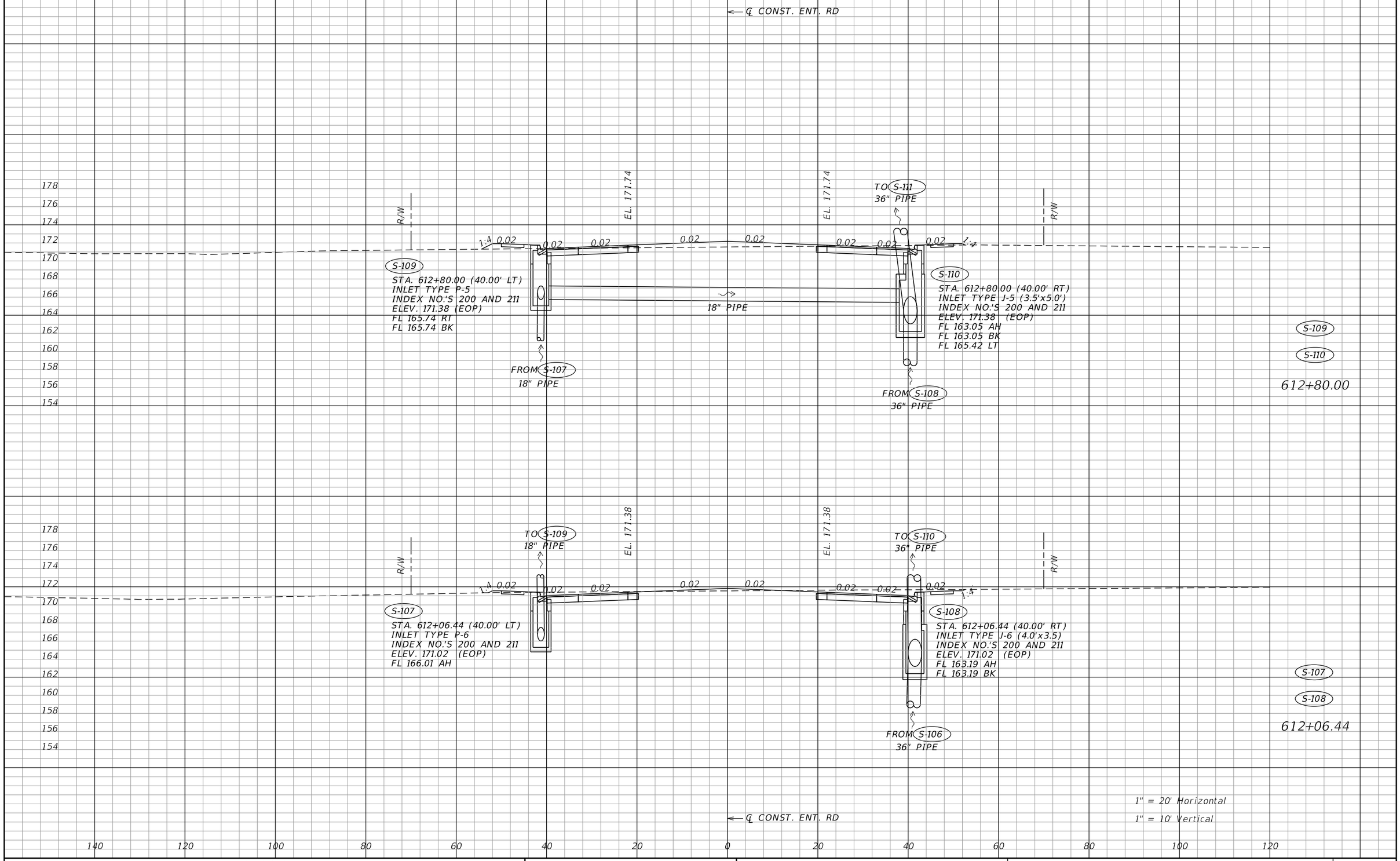

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DRAINAGE STRUCTURES

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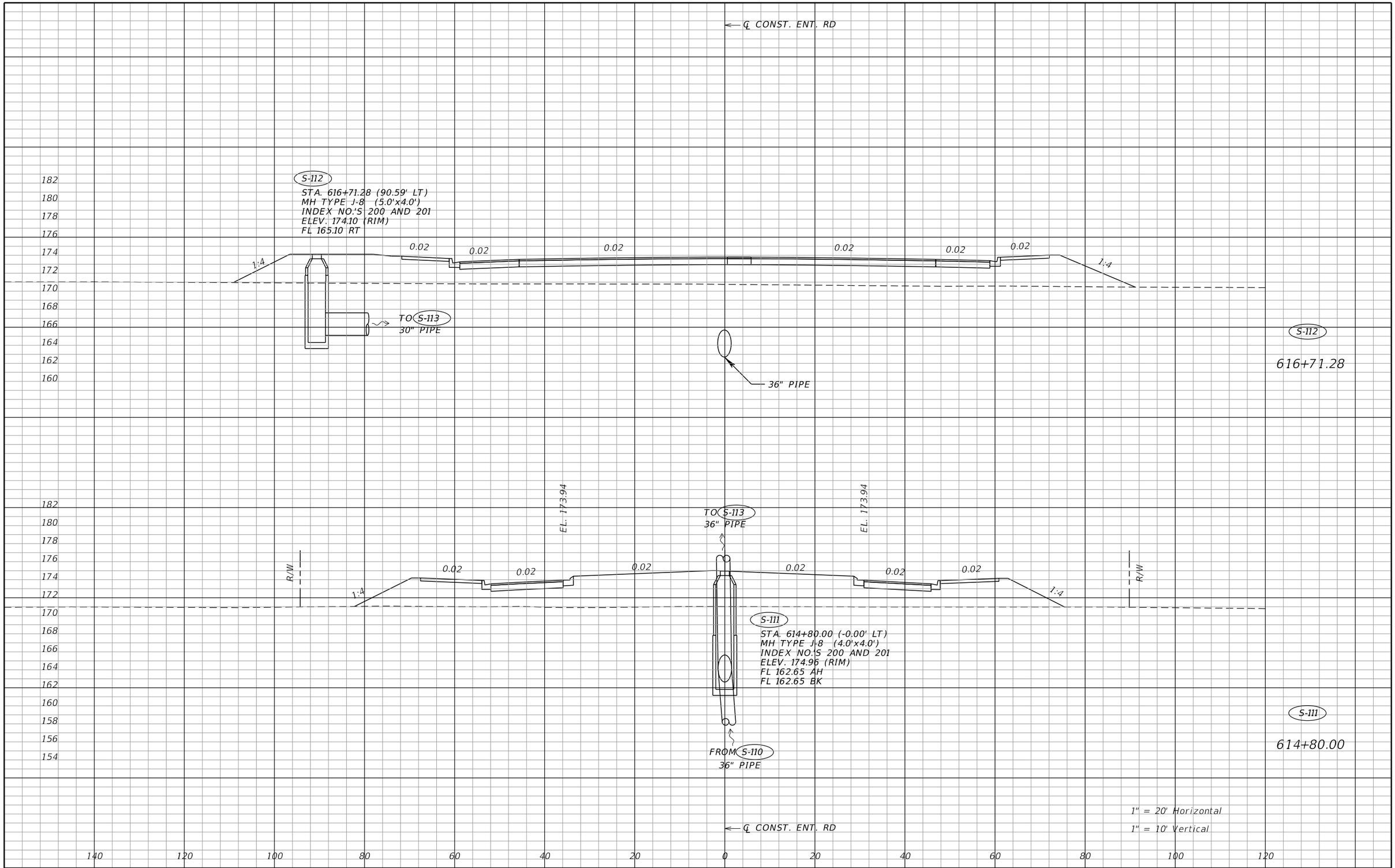

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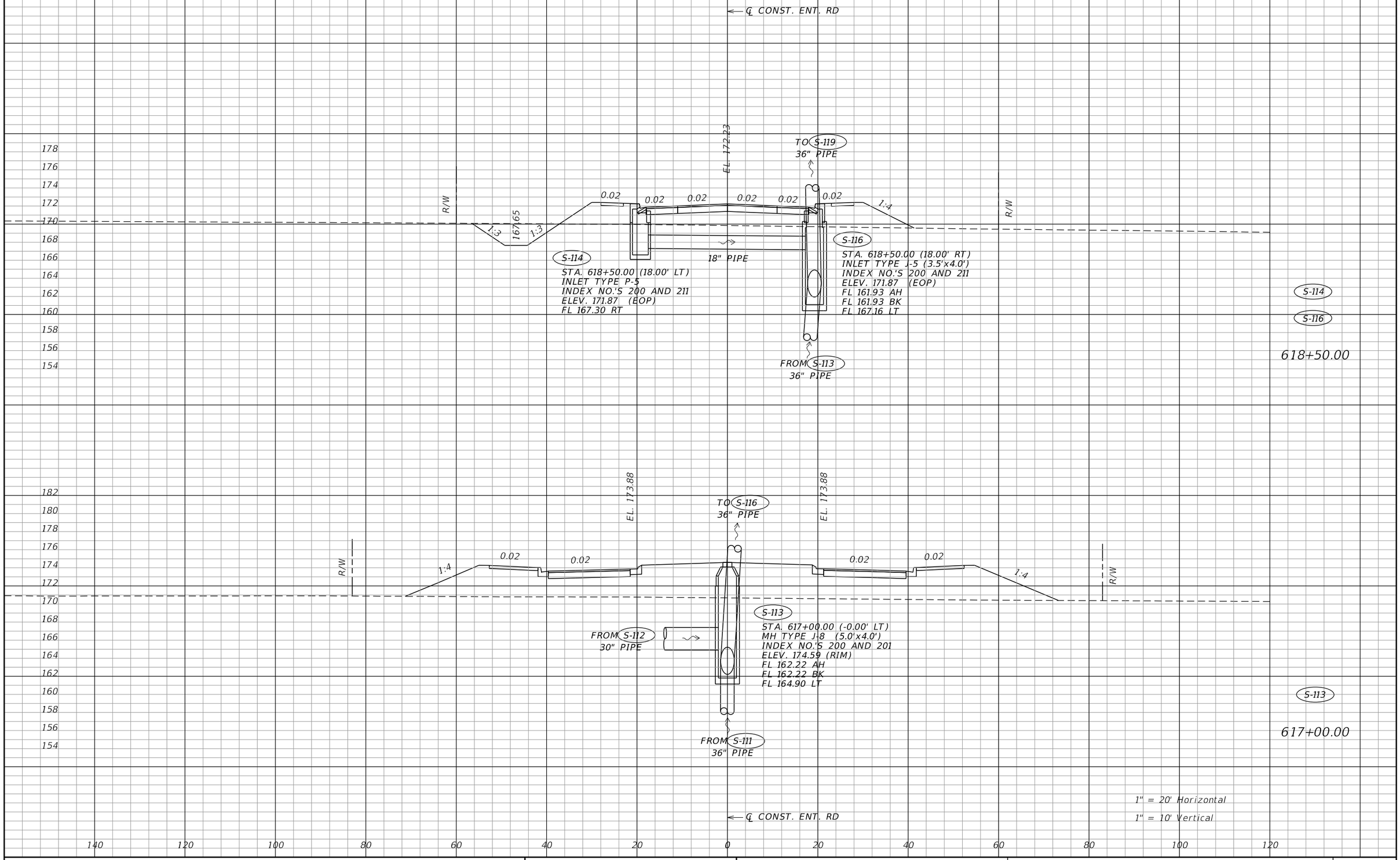

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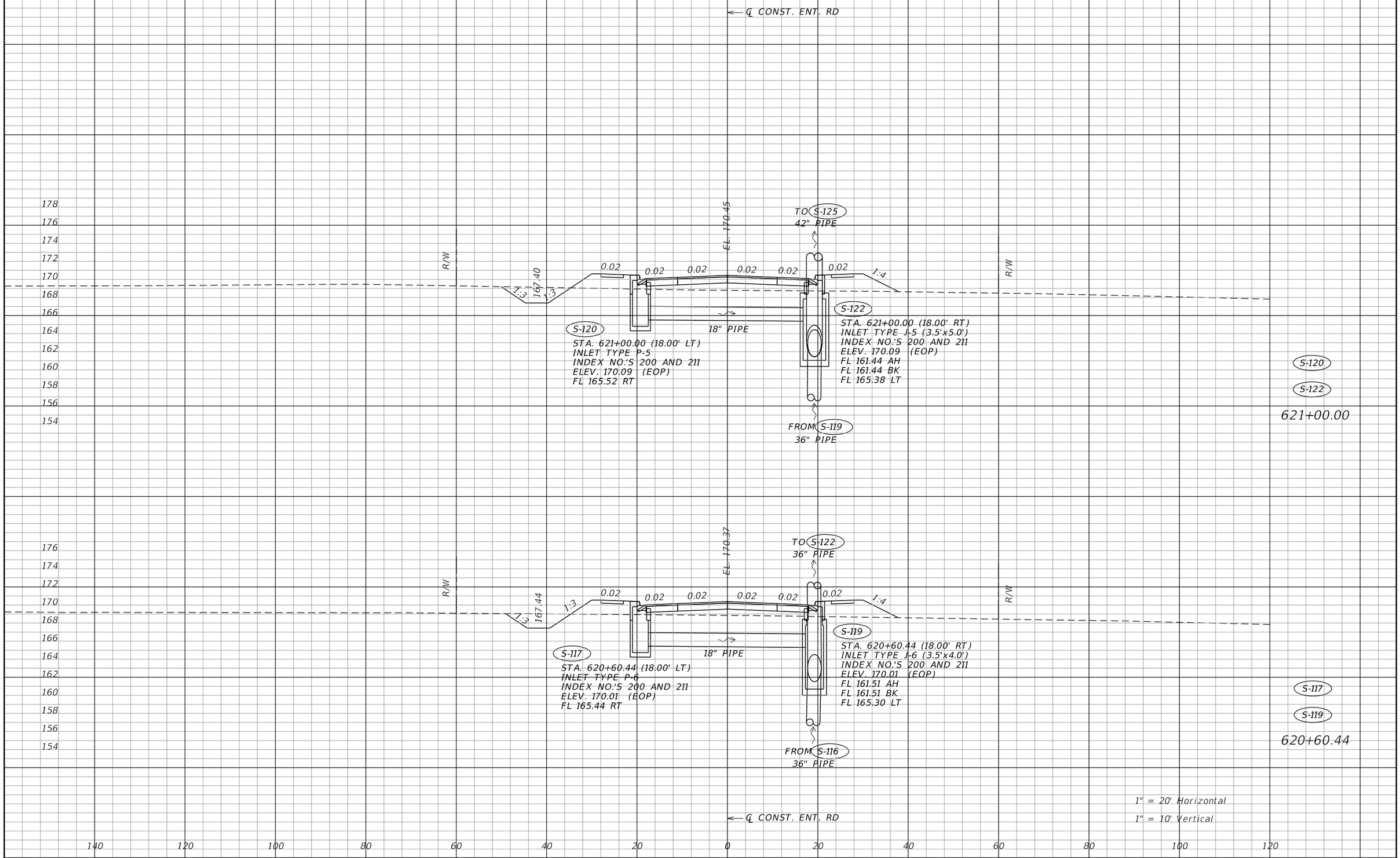
DRAINAGE STRUCTURES

SHEET NO. 182



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DRAINAGE STRUCTURES

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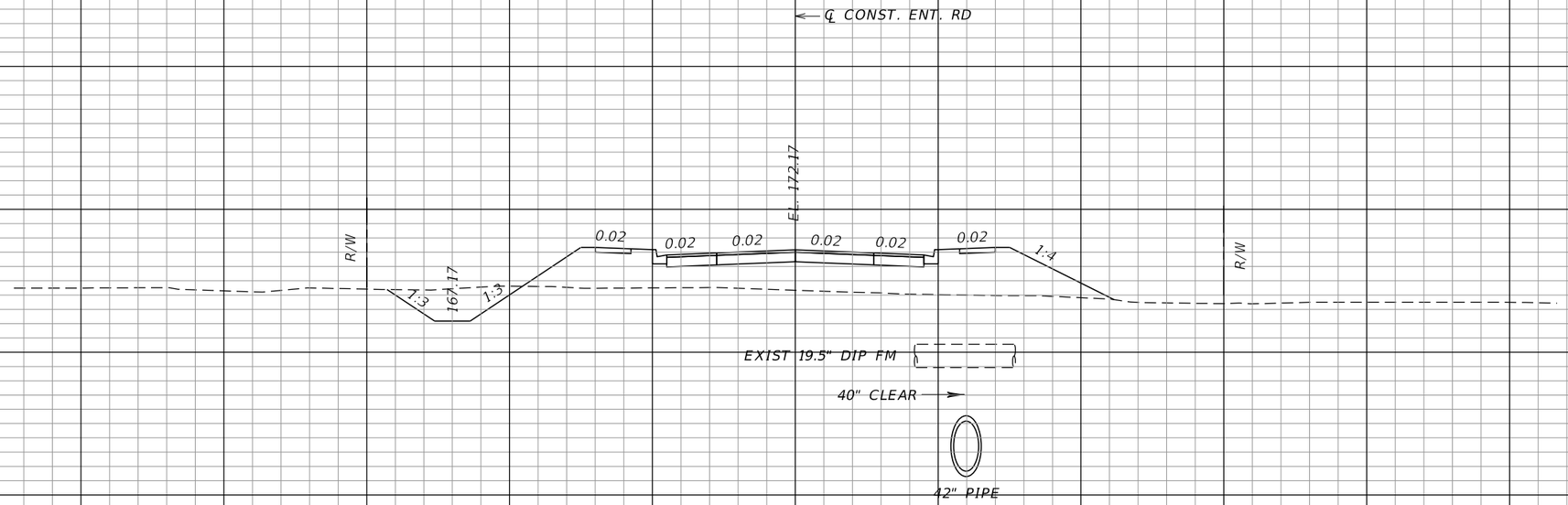

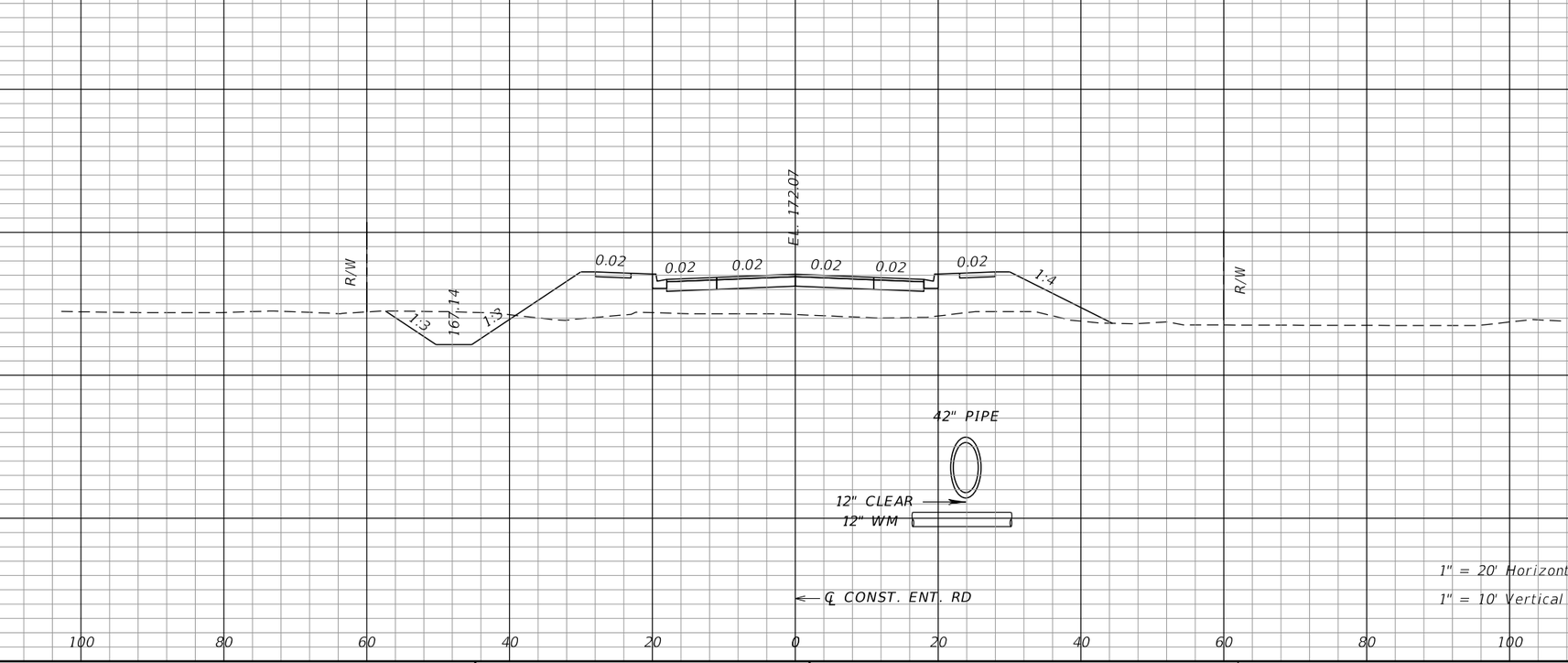

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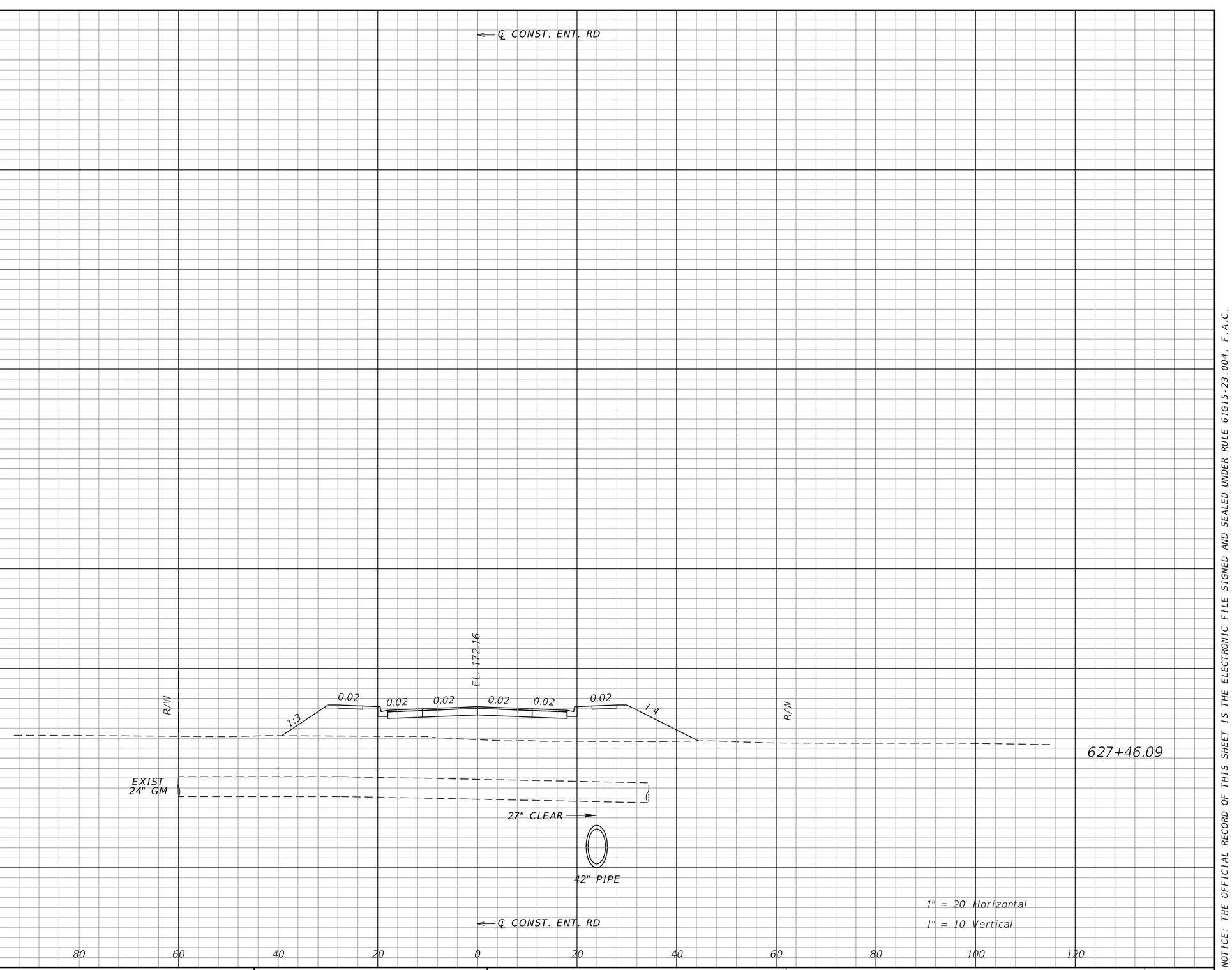

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DRAINAGE STRUCTURES

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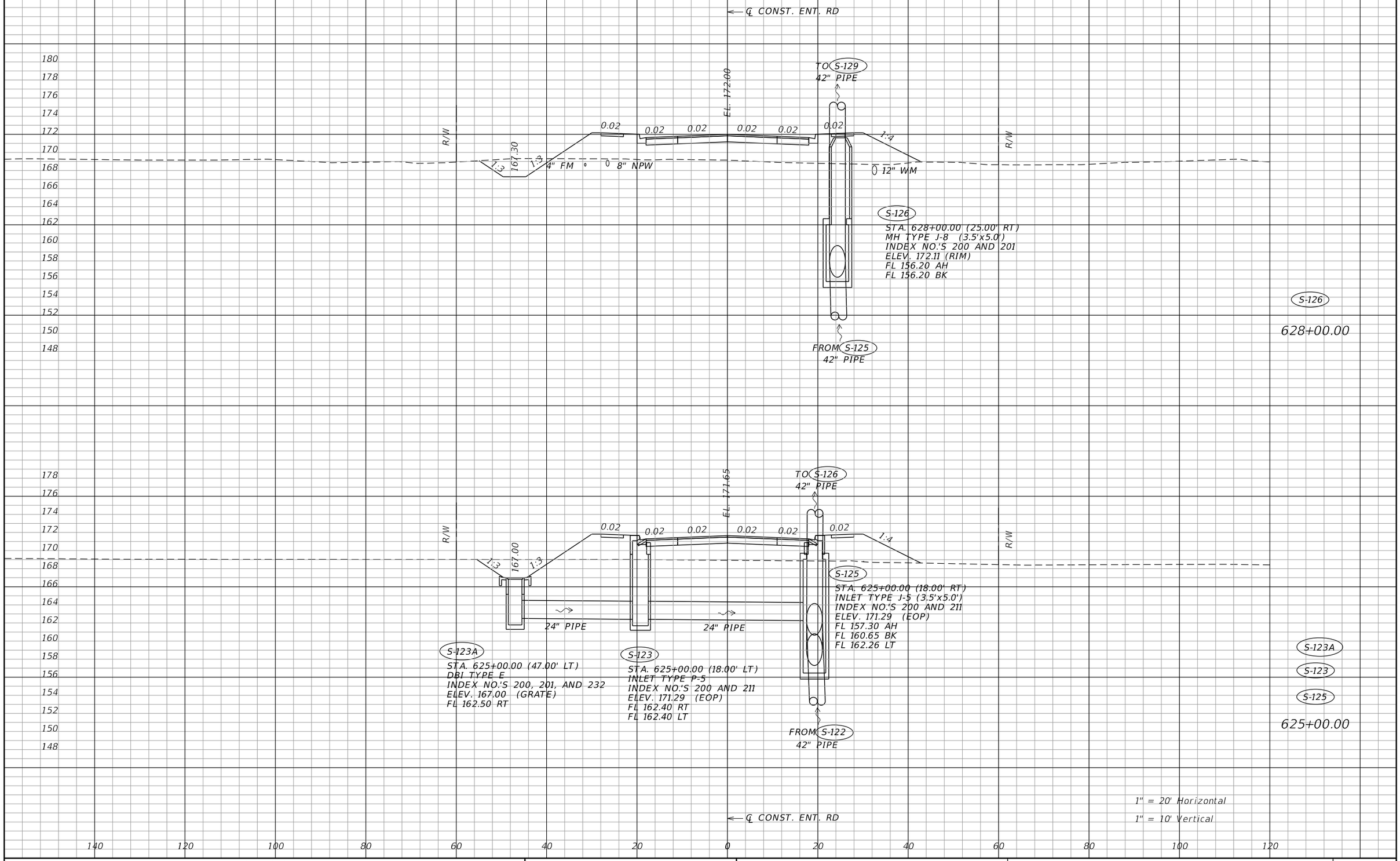

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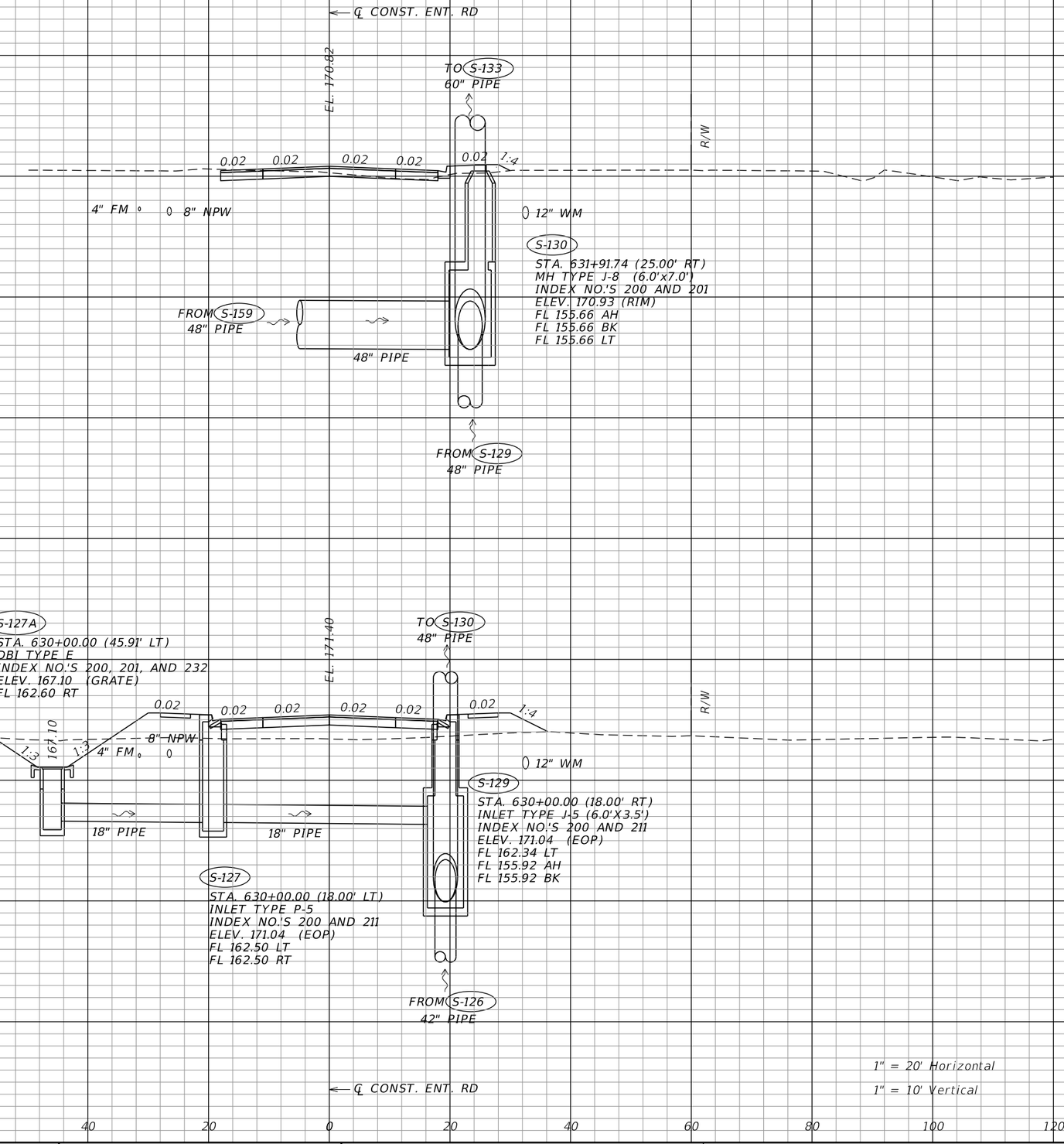

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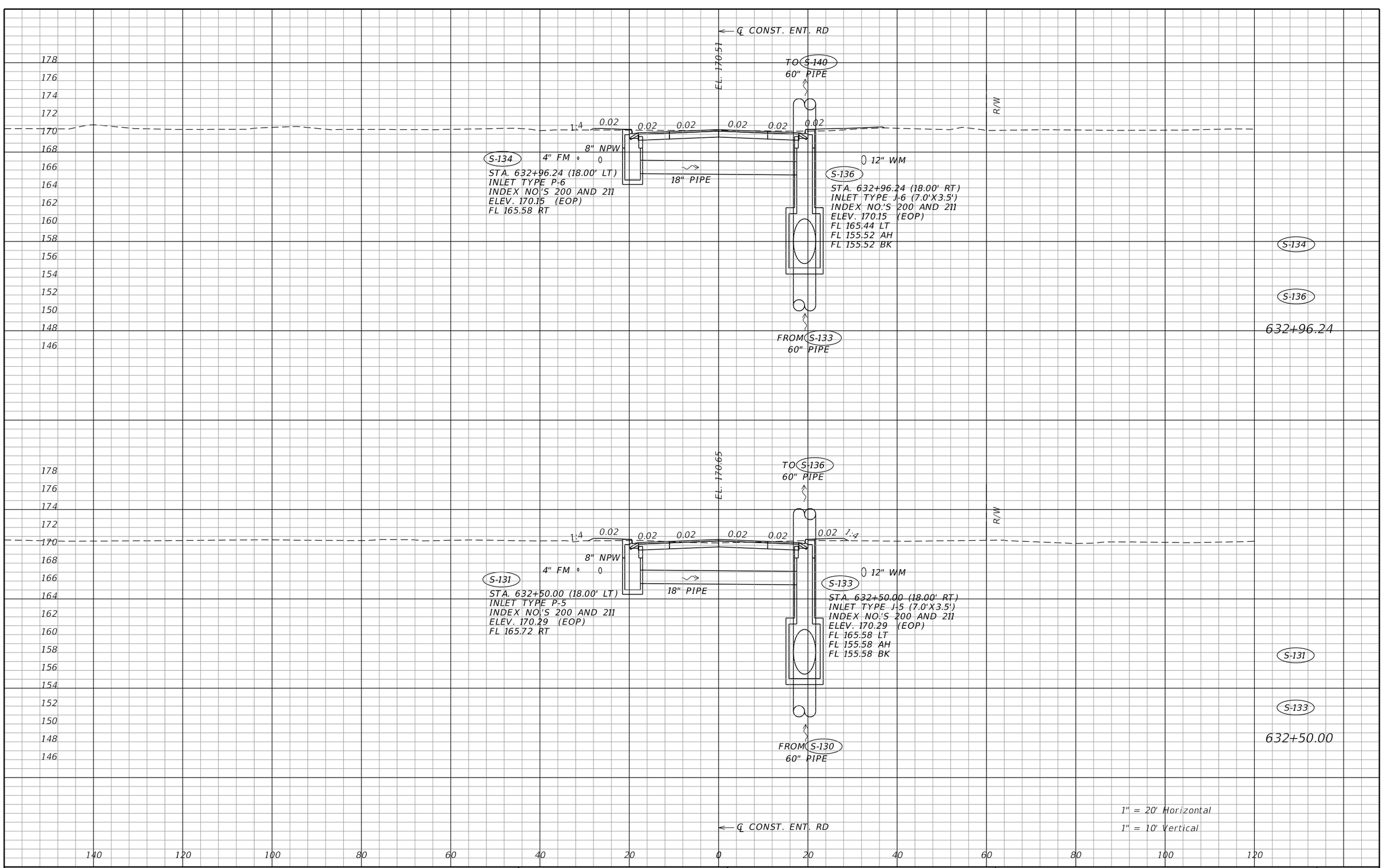

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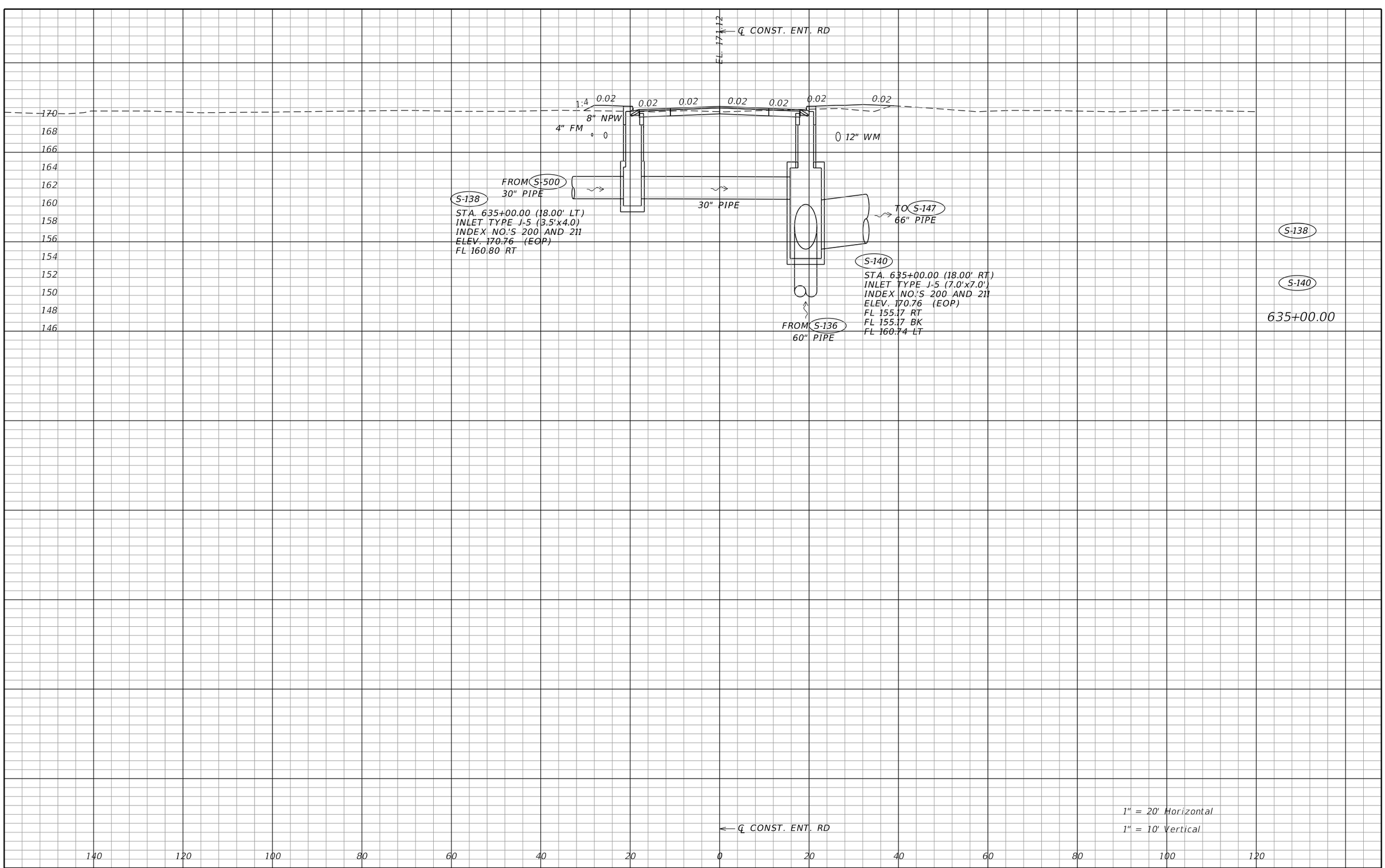

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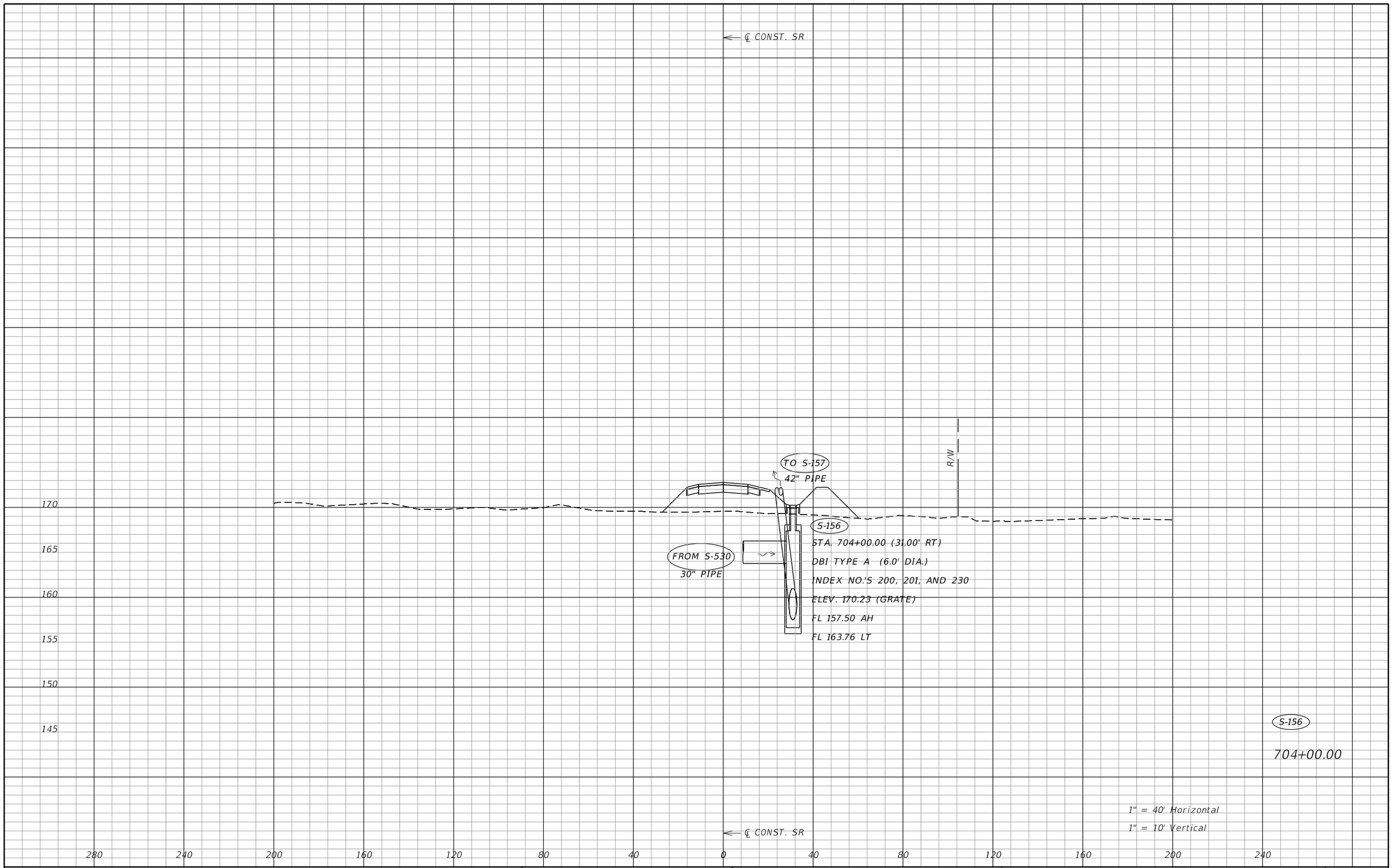

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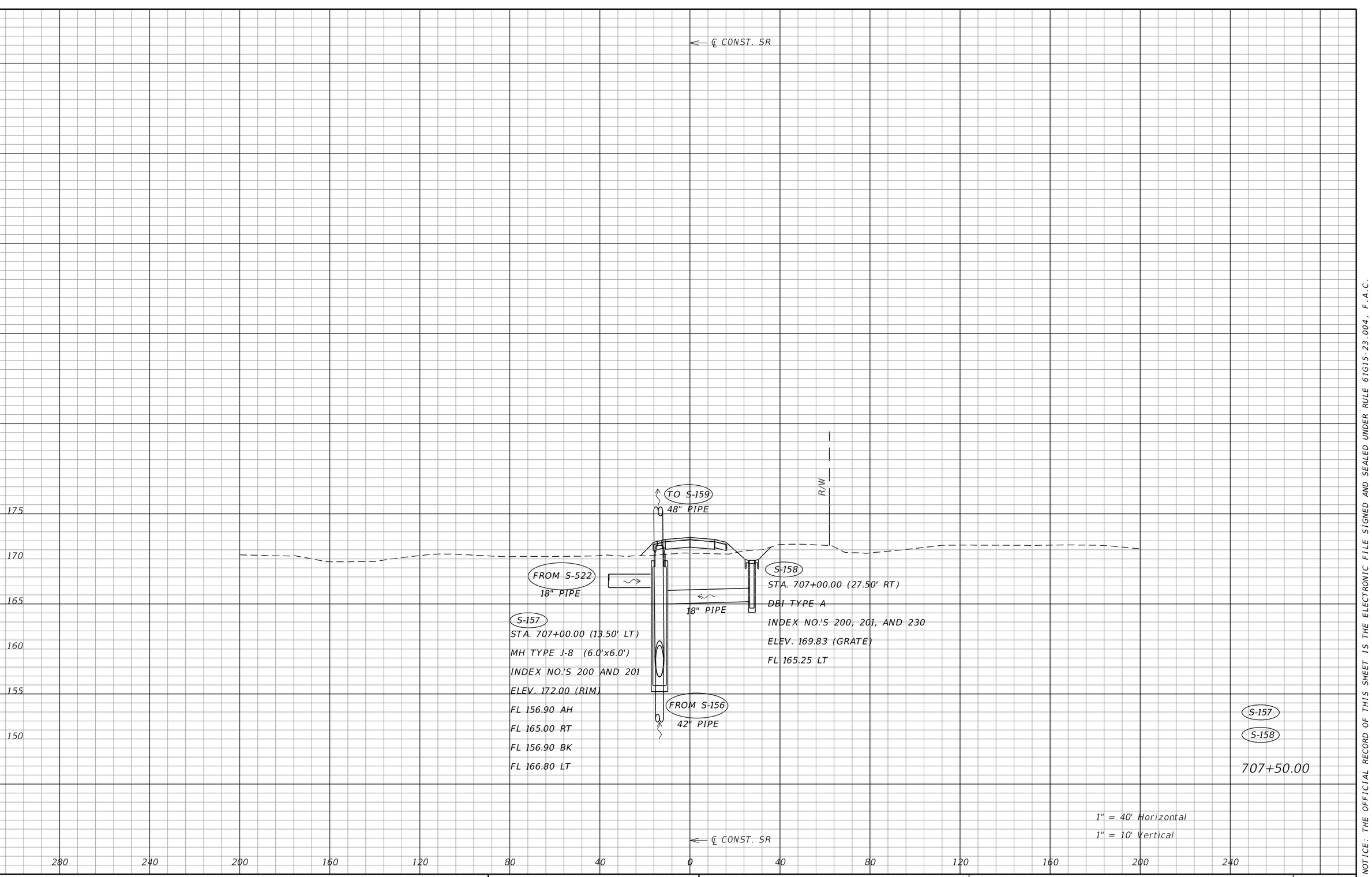

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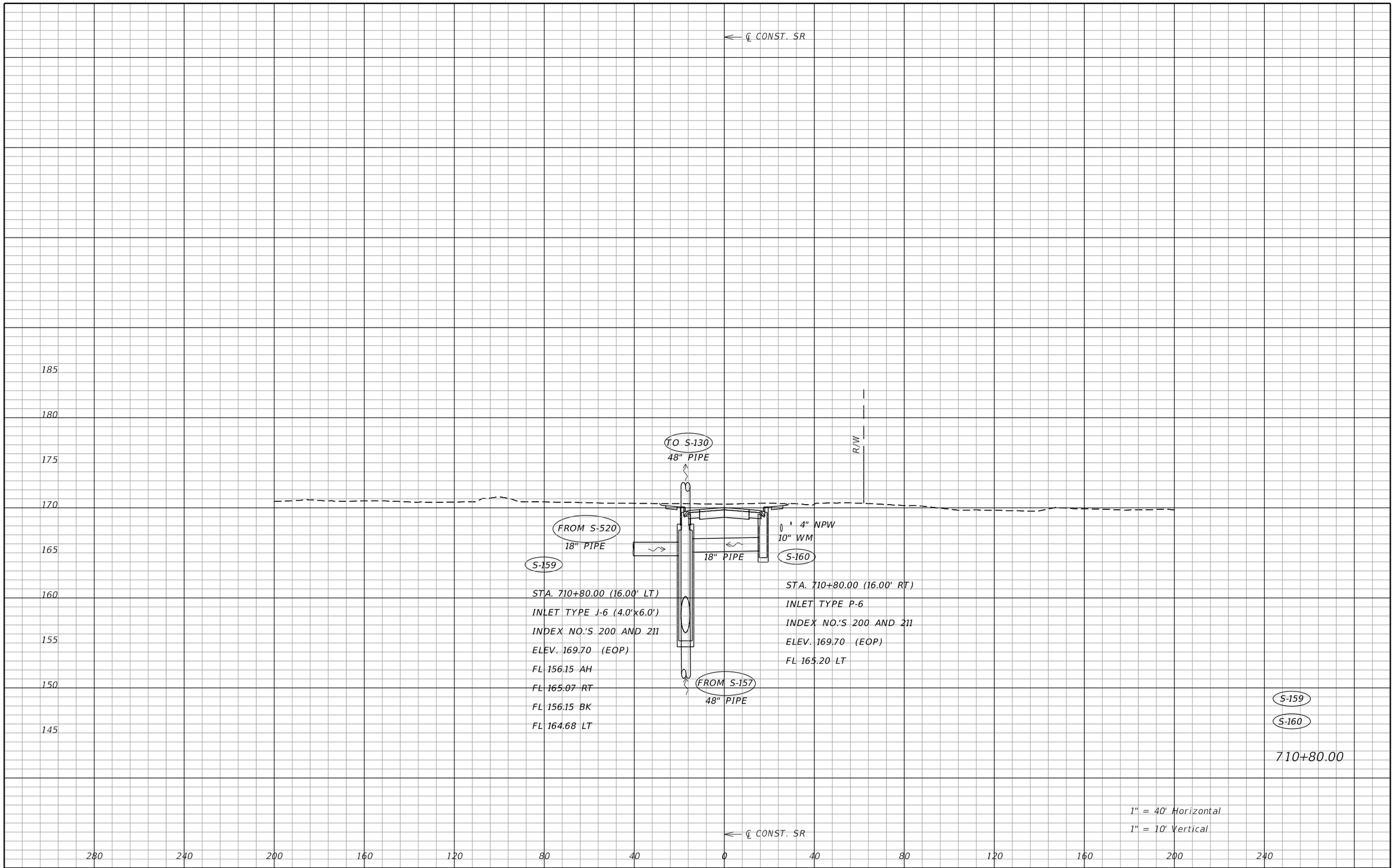
DRAINAGE STRUCTURES

SHEET NO. 191



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 192

185

180

175

170

165

160

155

150

℄ PROP

FROM OCS-7

24" PIPE

OCS-8

STA. 902+12.95 (15.00' RT)

MH TYPE P-8

INDEX NO.'S 200 AND 201

ELEV. 164.34 (RIM)

FL 155.59 AH

FL 155.59 BK

TO OCS-9

24" PIPE

℄ PROP

OCS-8

902+12.95

1" = 40' Horizontal

1" = 10' Vertical

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STATE OF FLORIDA
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N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 193

185

180

175

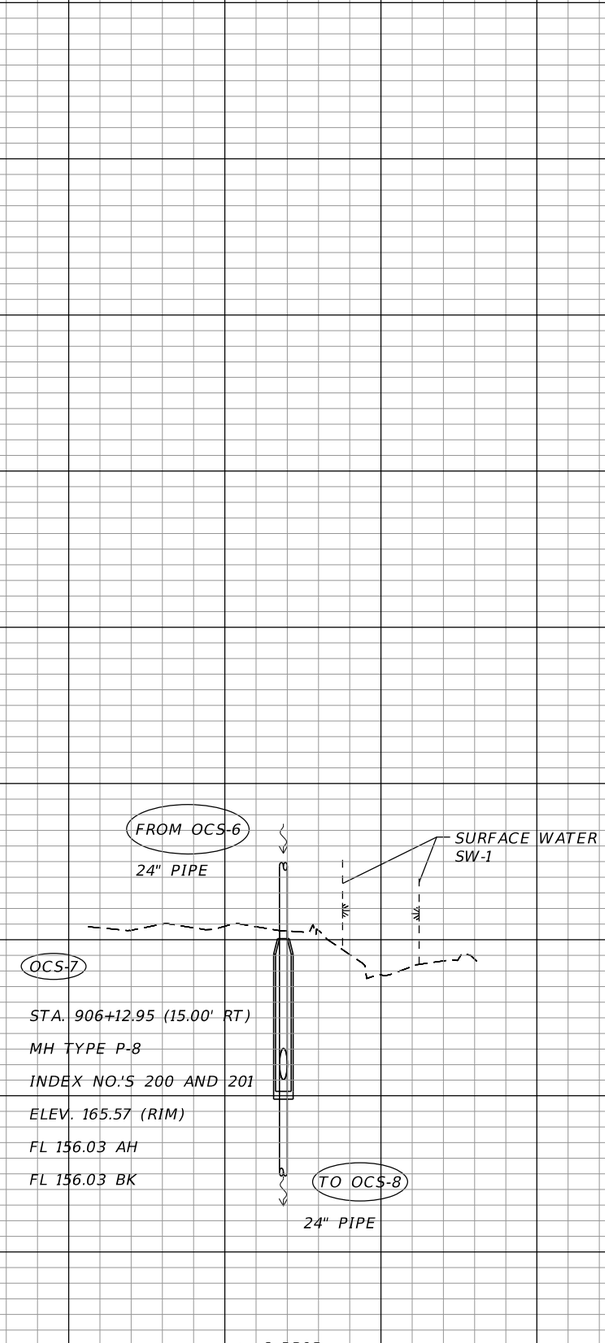
170

165

160

155

150



OCS-7

906+12.95

1" = 40' Horizontal

1" = 10' Vertical

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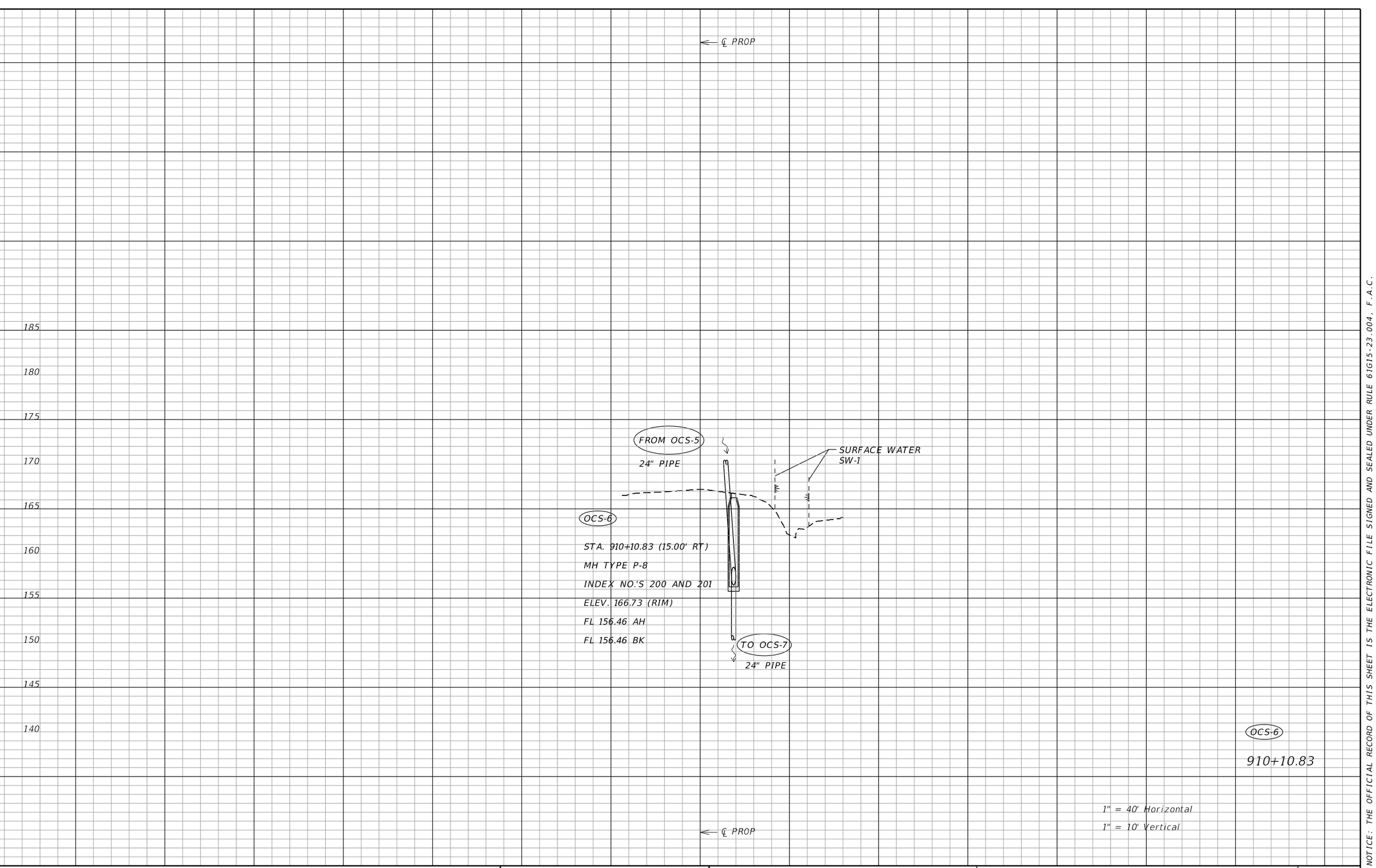
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 194



OCS-6

910+10.83

1" = 40' Horizontal

1" = 10' Vertical

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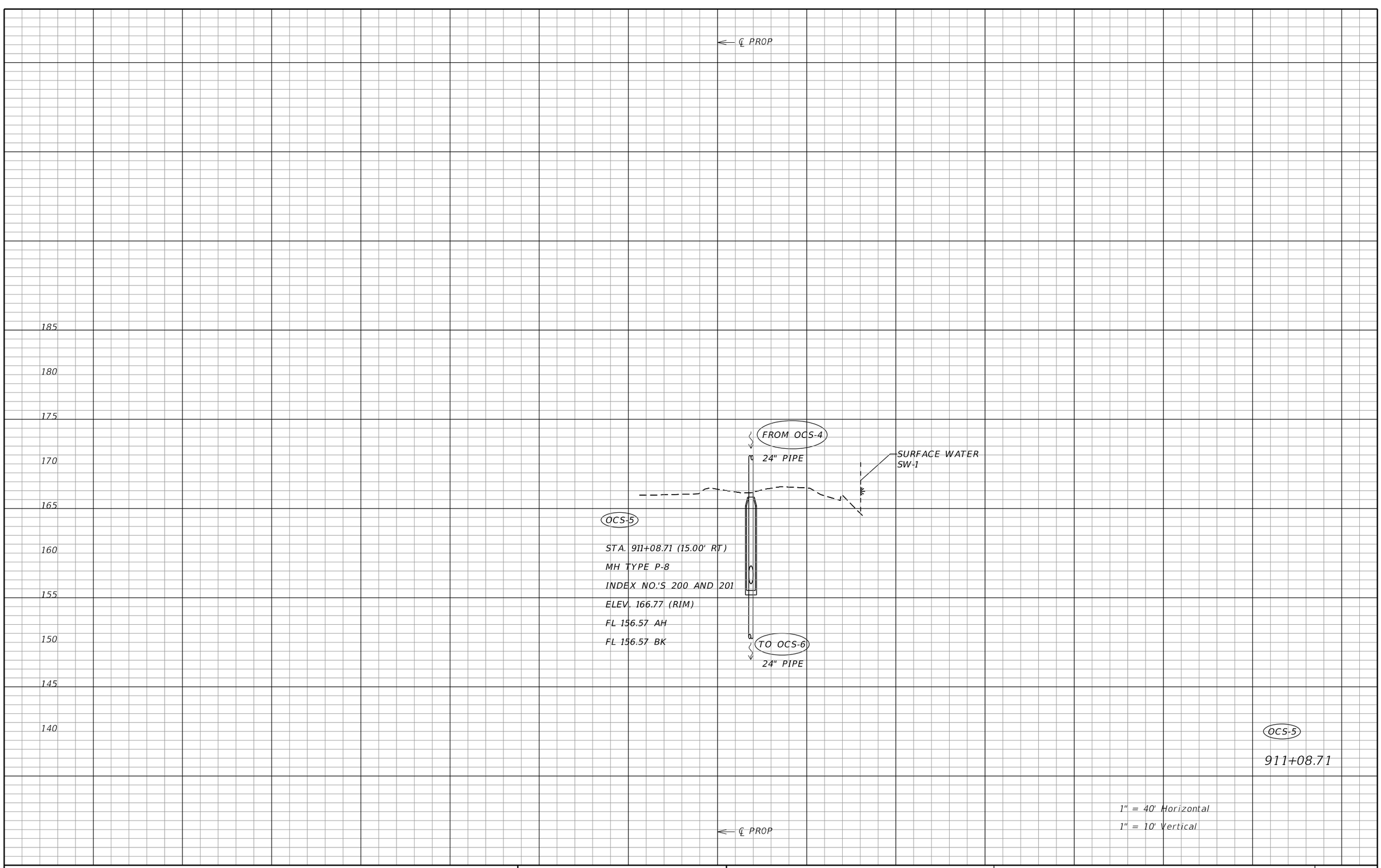
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 195



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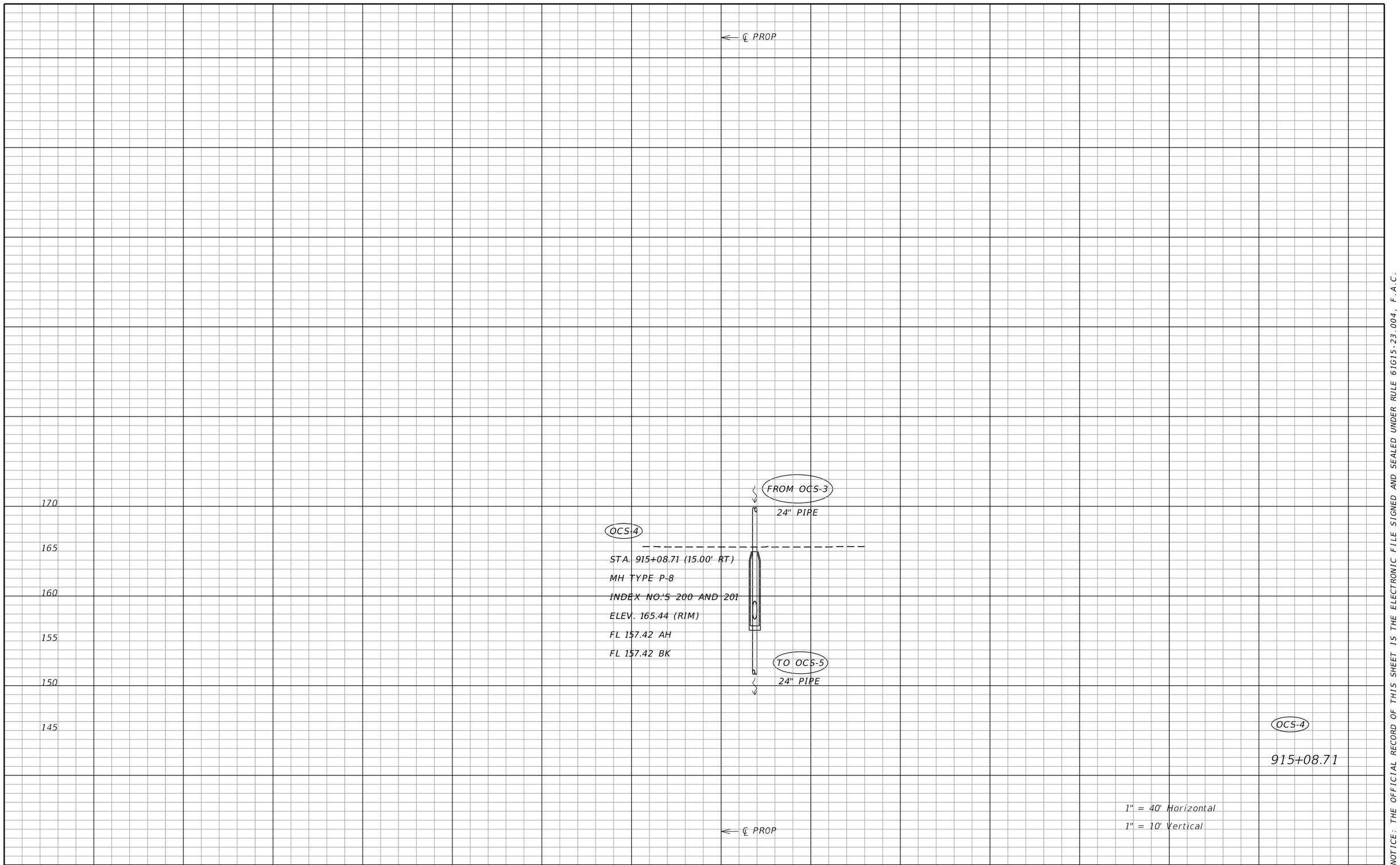
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 196



OCS-4

915+08.71

1" = 40' Horizontal

1" = 10' Vertical

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STATE OF FLORIDA
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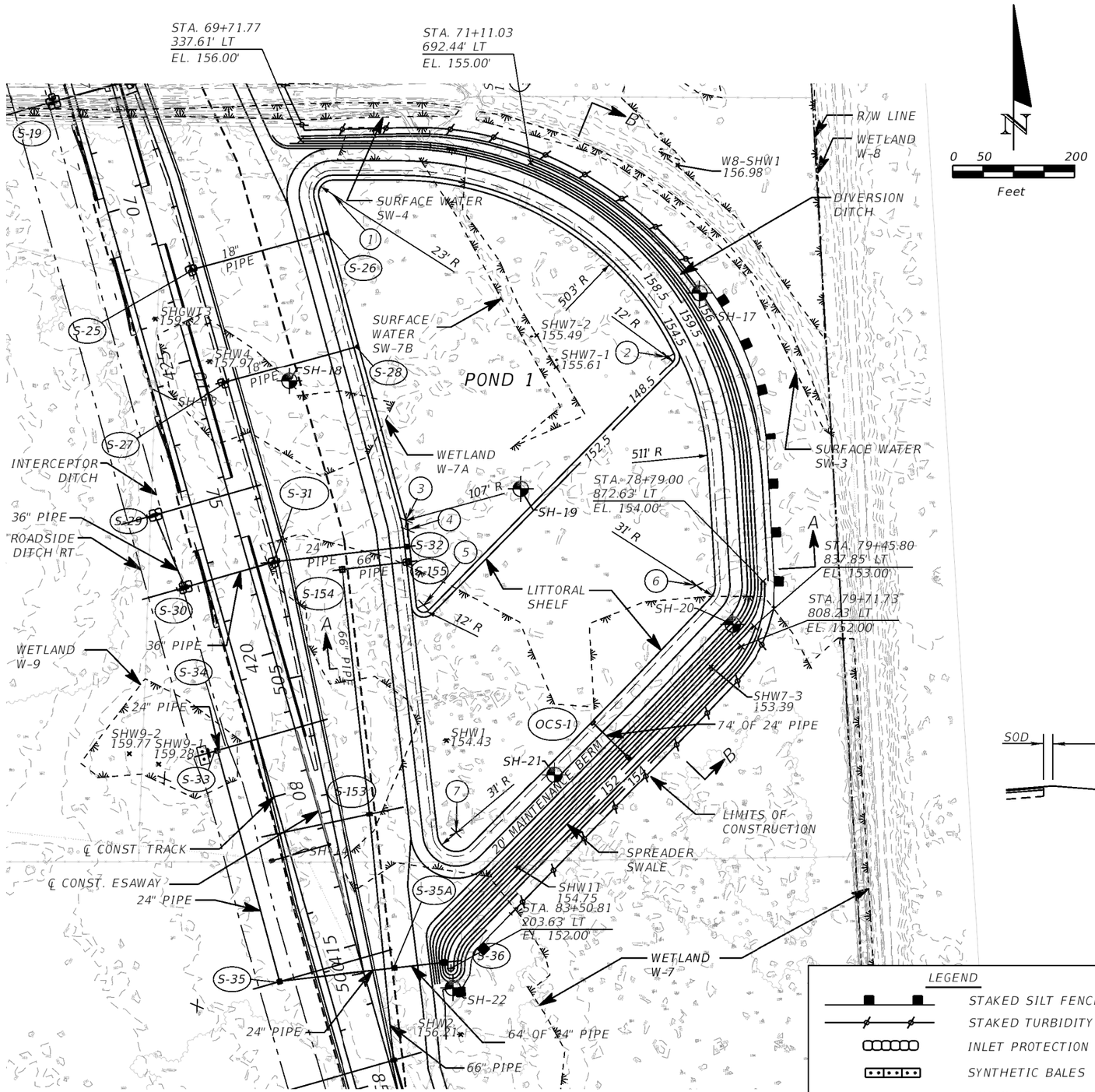
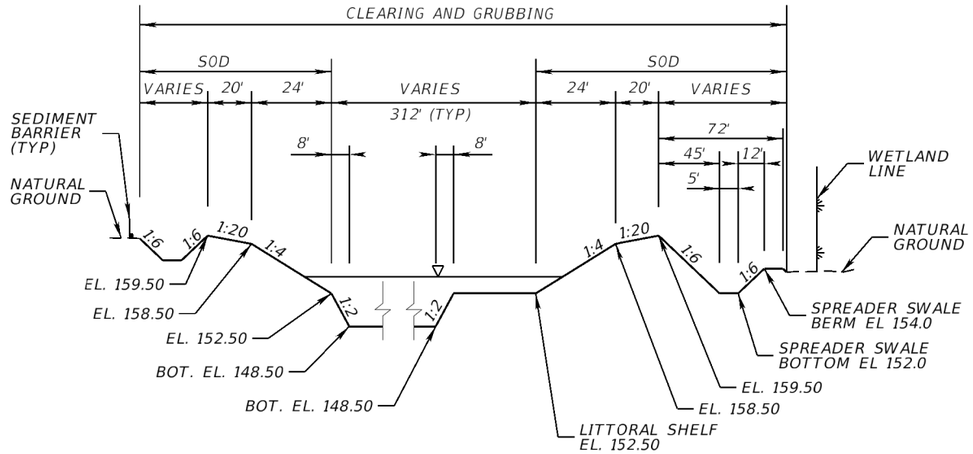
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

DRAINAGE STRUCTURES

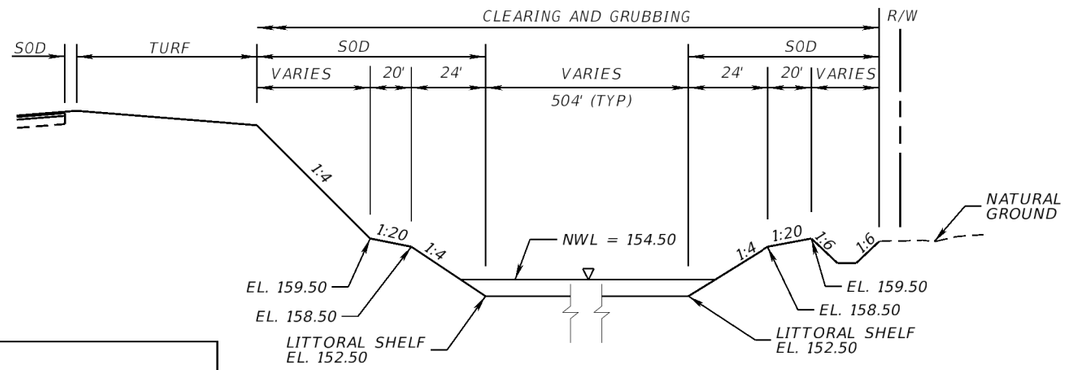
SHEET NO. 197



REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	70+71.70	TRACK	363.70'	LT
2	74+80.34	TRACK	821.59'	LT
3	76+21.48	TRACK	334.10'	LT
4	76+37.64	TRACK	332.46'	LT
5	77+63.39	TRACK	324.06'	LT
6	78+55.15	TRACK	764.73'	LT
7	81+38.63	TRACK	273.20'	LT



SECTION B-B
N.T.S.



SECTION A-A
N.T.S.

DHW (SWFWMD 25YR-24 HR) = 157.05
ESHWE = 154.50

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

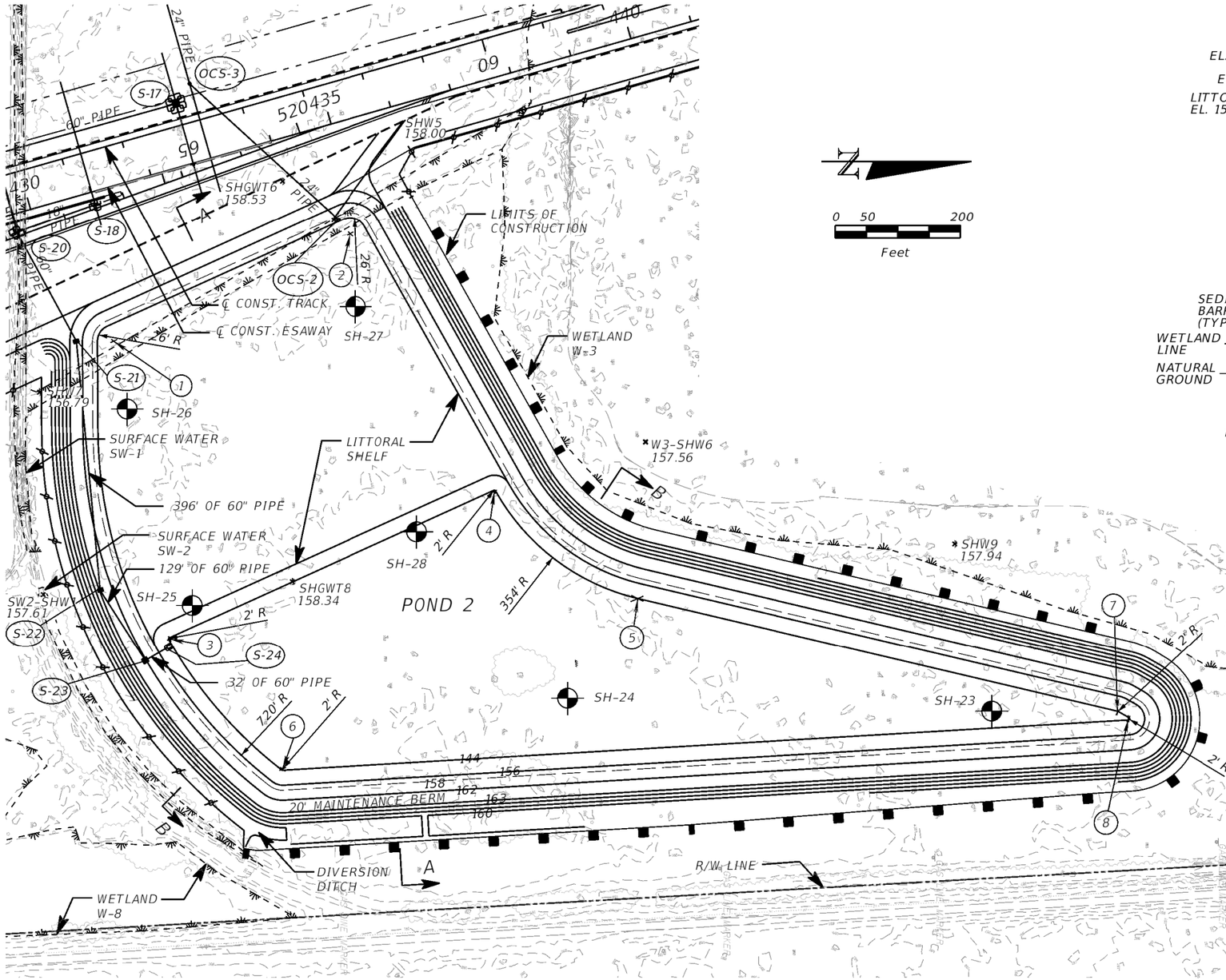
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND DETAILS
POND 1

SHEET NO. 198

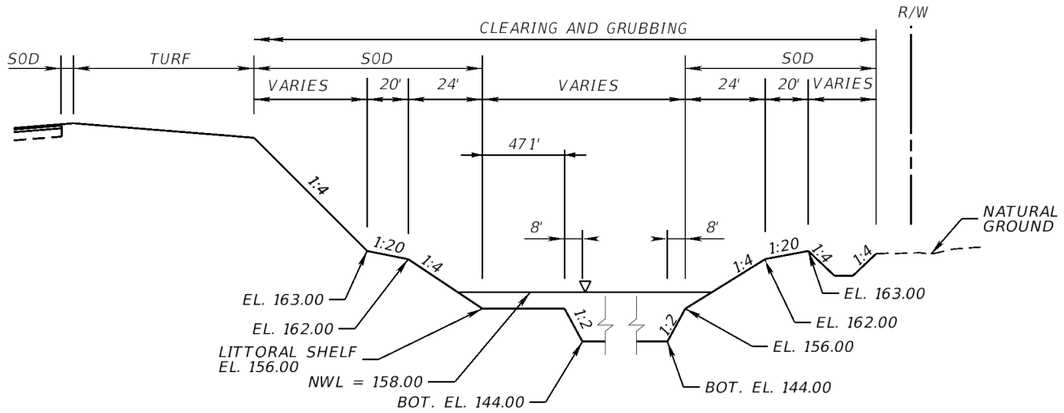
LEGEND

- STAKED SILT FENCE
- STAKED TURBIDITY BARRIER
- INLET PROTECTION SYSTEM
- SYNTHETIC BALES
- LIMITS OF CONSTRUCTION



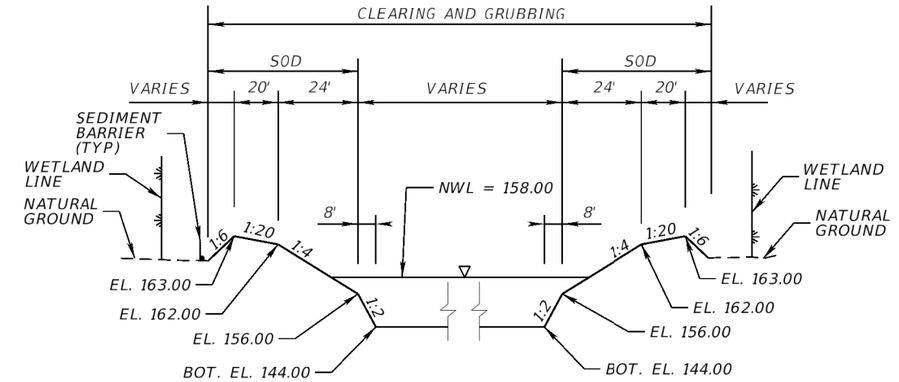
0 50 200

Feet



SECTION A-A

N.T.S.



SECTION B-B

N.T.S.

DHW (SWFWMD 25YR-24HR) = 159.69
ESHGWT = 158.00

REFERENCE POINT	STATION	℄ ROAD	OFFSET	SIDE
1	67+00.46	TRACK	303.85'	LT
2	62+88.70	TRACK	242.16'	LT
3	67+44.21	TRACK	786.63'	LT
4	61+78.84	TRACK	701.82'	LT
5	60+04.73	TRACK	929.34'	LT
6	66+27.70	TRACK	1037.02'	LT
7	56+38.62	TRACK	1381.04'	LT
8	56+34.42	TRACK	1398.39'	LT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND DETAILS
POND 2

SHEET NO. 199

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

DATE OF SURVEY: FEBRUARY 2016 TO JULY 2016
SURVEY MADE BY: TIERRA, INC.
SUBMITTED BY: JEREMY A. SEWELL, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT: 1
ROAD NO.: N/A
COUNTY: POLK

FINANCIAL PROJECT ID : 437300-1-52-01
PROJECT NAME: SUNTRAX TEST FACILITY

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 0+00.00 SURVEY ENDS STA. : 117+30.44 REFERENCE: CENTERLINE OF CONSTRUCTION OF TRACK
SURVEY BEGINS STA. : 600+00.00 SURVEY ENDS STA. : 636+29.57 REFERENCE: CENTERLINE OF CONSTRUCTION OF ENTRANCE ROAD
SURVEY BEGINS STA. : 700+00.00 SURVEY ENDS STA. : 712+45.83 REFERENCE: CENTERLINE OF CONSTRUCTION OF SIDE ROAAD

	ORGANIC CONTENT (%)		MOISTURE CONTENT (%)		SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	--	--	--	--	27	100	91-97	45-63	10-23	2-10	--	--	--	A-3	DARK BROWN TO ORANGE TO PALE BROWN, AND GRAY SAND TO SAND WITH SILT (A-3)	6	15,000-49,000	30-60	<4.8-6.0	5.8-7.2
2	1	4	6	20-29	22	100	92-97	54-69	23-38	11-29	5	19-23	4-8	A-2-4	BROWN TO ORANGE TO PALE BROWN, AND GRAY-BROWN SILTY SAND (A-2-4)	--	--	--	--	--
3	--	--	1	22	1	--	--	--	--	34	1	30	13	A-2-6	BROWN TO GRAY-BROWN TO PALE BROWN CLAYEY SAND (A-2-6)	--	--	--	--	--
4	--	--	2	23-29	2	--	--	--	--	41-57	2	34-40	16-20	A-6	GRAY-BROWN TO GRAY SANDY CLAY (A-6)	--	--	--	--	--
5	--	--	2	51-72	2	--	--	--	--	60-70	2	71-109	31-51	A-7-5	GRAY-BROWN TO PALE BROWN SANDY SILT (A-7-5)	--	--	--	--	--
6	2	8-25	2	39-63	2	--	--	--	--	17-22	--	--	--	A-8	DARK BROWN ORGANIC SILTY SAND (A-8)	--	--	--	--	--

1. THE MATERIAL FROM STRATUM 1 (A-3) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 505.
2. THE MATERIAL FROM STRATUM 2 (A-2-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH INDEX 505. HOWEVER, THESE MATERIALS ARE LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.
3. THE MATERIAL FROM STRATA 3 AND 4 (A-2-6/A-6) IS PLASTIC MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH INDEX 500 AND UTILIZED IN ACCORDANCE WITH INDEX 505. IT SHOULD BE PLACED UNIFORMLY IN THE LOWER PORTION OF THE EMBANKMENT FOR SOME DISTANCE ALONG THE PROJECT RATHER THAN FULL DEPTH FOR SHORT DISTANCES.
4. THE MATERIAL FROM STRATUM 5 (A-7-5) IS HIGH PLASTIC MATERIAL AND SHALL BE REMOVED IN ACCORDANCE WITH INDEX 500 AND UTILIZED IN ACCORDANCE WITH INDEX 505. HIGH PLASTIC SOILS ARE NOT TO BE USED FOR EMBANKMENT CONSTRUCTION WHEN OBTAINED FROM OUTSIDE THE PROJECT LIMITS.
5. THE MATERIAL FROM STRATUM 6 (A-8) IS ORGANIC MATERIAL/MUCK AND SHALL BE REMOVED IN ACCORDANCE WITH INDEX 500 AND UTILIZED IN ACCORDANCE WITH INDEX 505.

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

▽ - GROUNDWATER TABLE ENCOUNTERED

▼ - ESTIMATED SEASONAL HIGH GROUNDWATER TABLE

CAVE-IN - CAVE-IN DUE TO SHALLOW GROUNDWATER LEVELS AND LOOSE SOILS

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

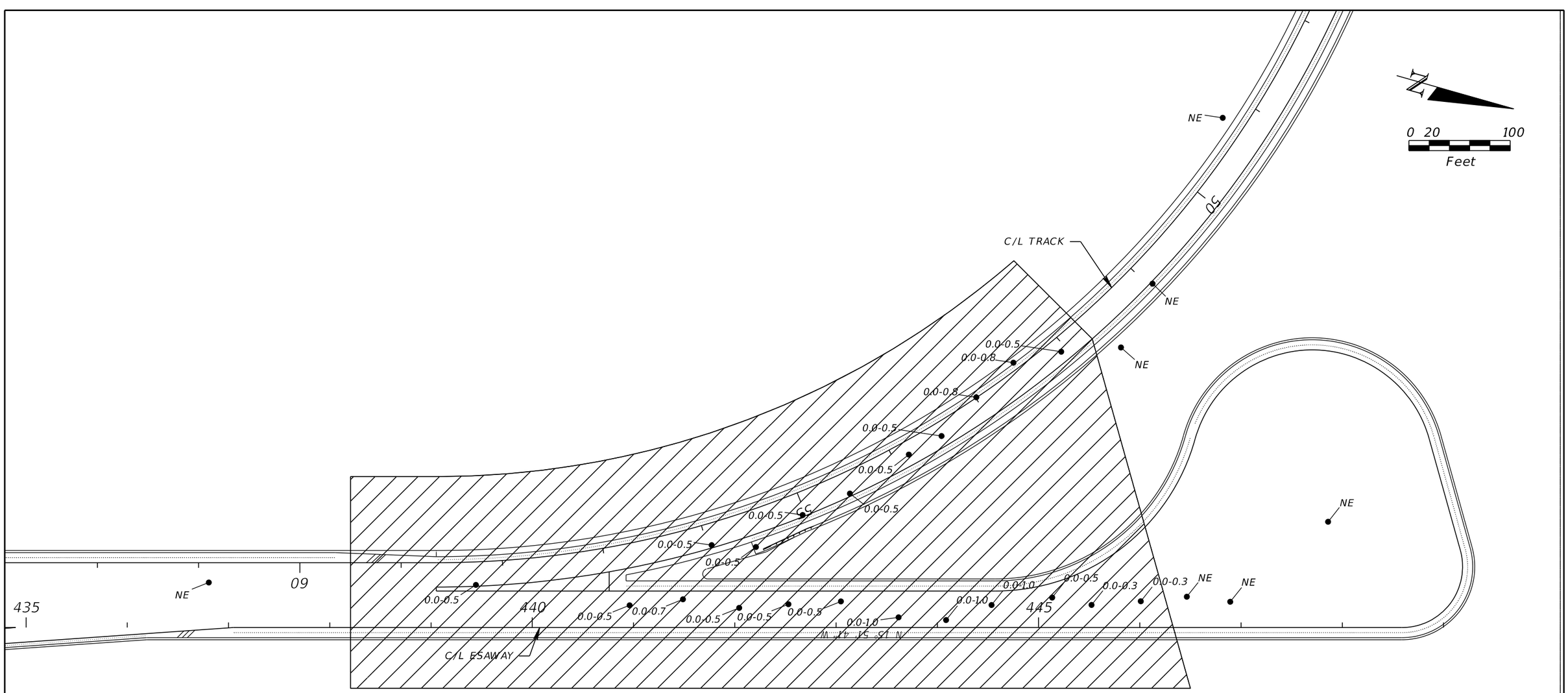
JEREMY A. SEWELL, P.E.
P.E. LICENSE NUMBER 62951
TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
CERTIFICATE OF AUTHORIZATION NO. 6486

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

ROADWAY SOIL SURVEY

SHEET NO. 200



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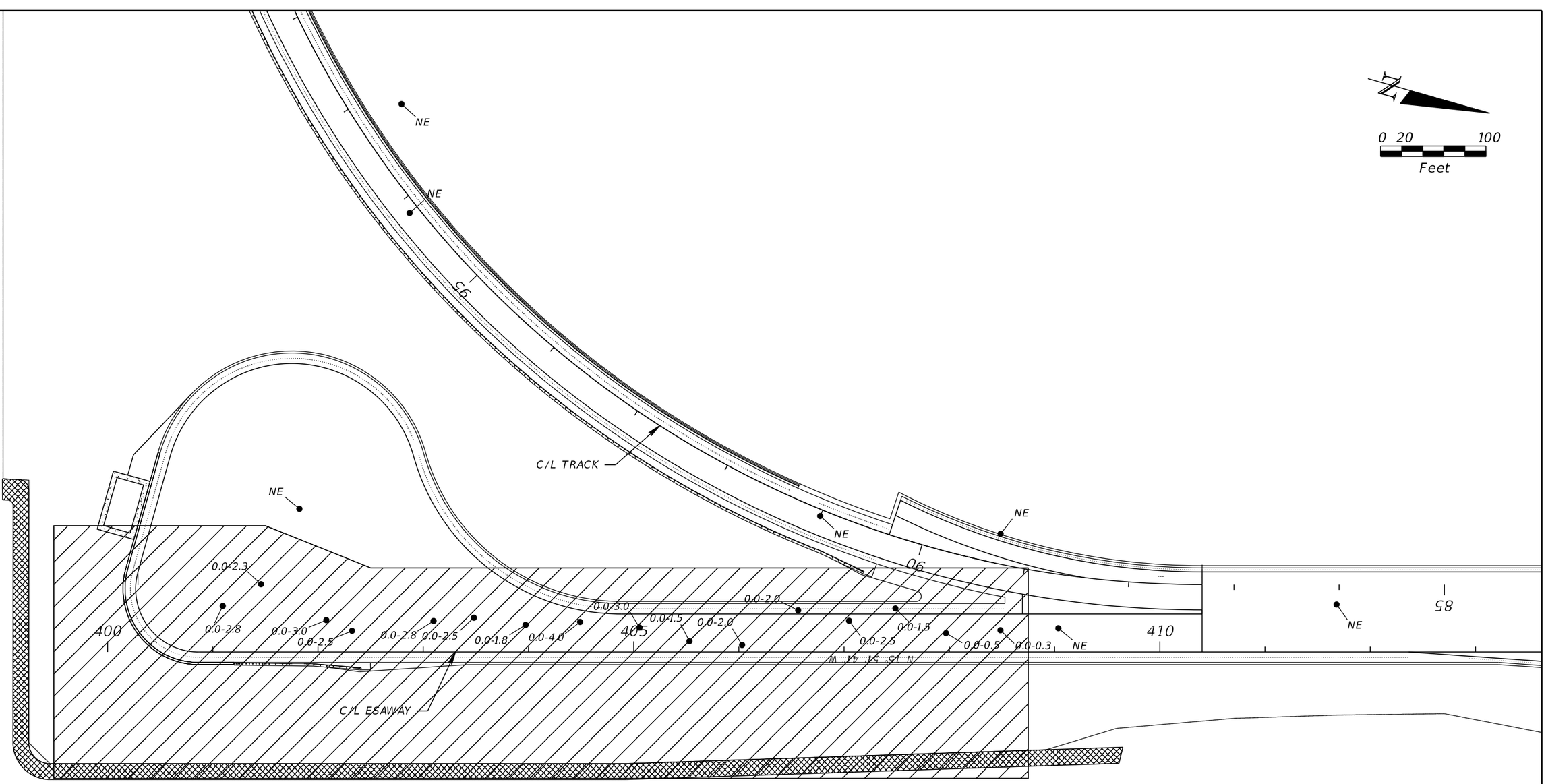
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

MUCK DELINEATION PLAN (1)

SHEET NO. 201



LEGEND

NE — ORGANIC MATERIAL NOT ENCOUNTERED

2.0-4.0 — ORGANIC MATERIAL ENCOUNTERED 2.0 TO 4.0 FEET BELOW GROUND SURFACE

APPROXIMATE LIMITS OF ORGANIC MATERIAL REMOVAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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591 SUSAN B. BRITT COURT
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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

MUCK DELINEATION PLAN (2)

SHEET NO. 202

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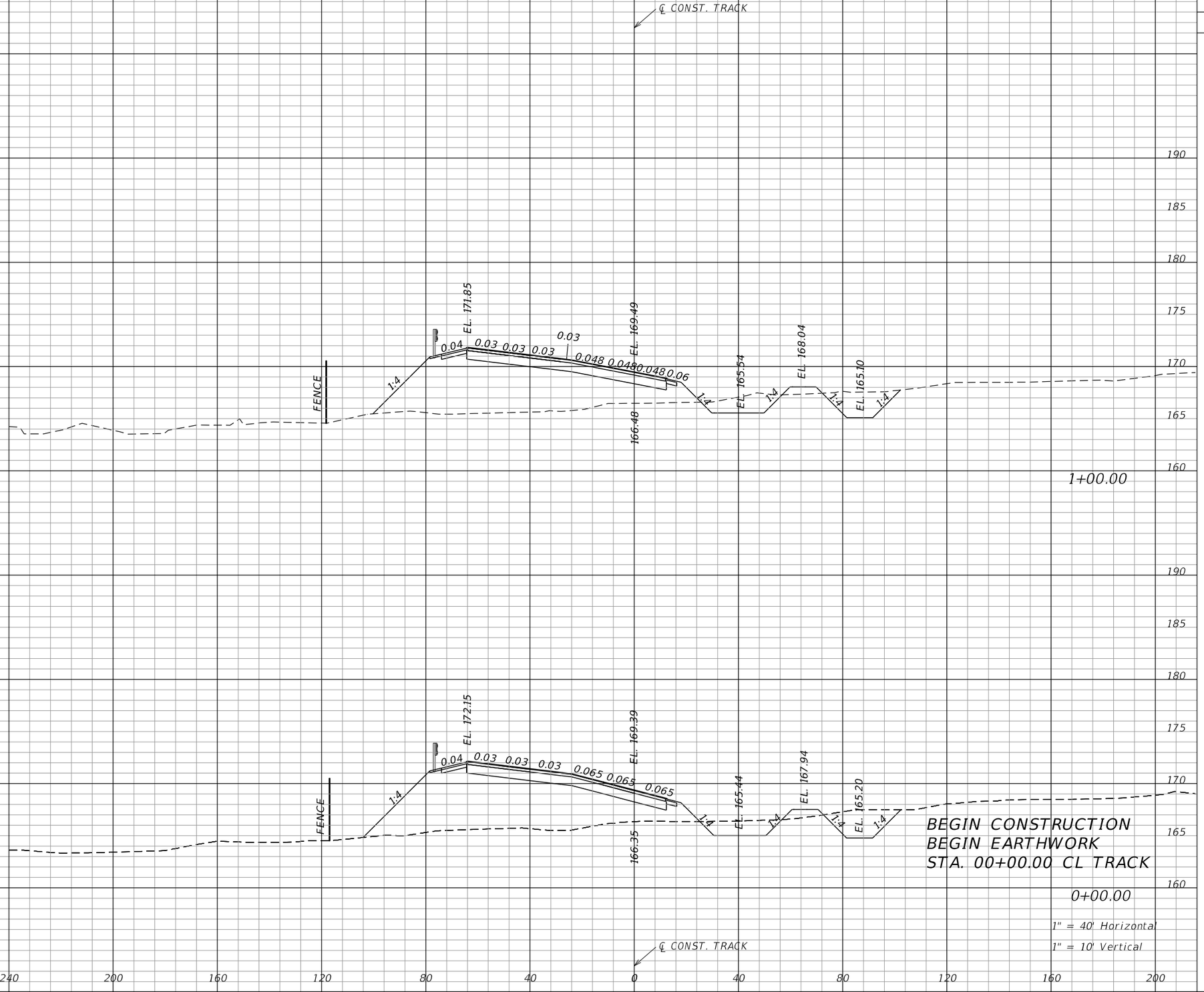

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
			369		1291
		88		328	
			328		1470
		89		466	

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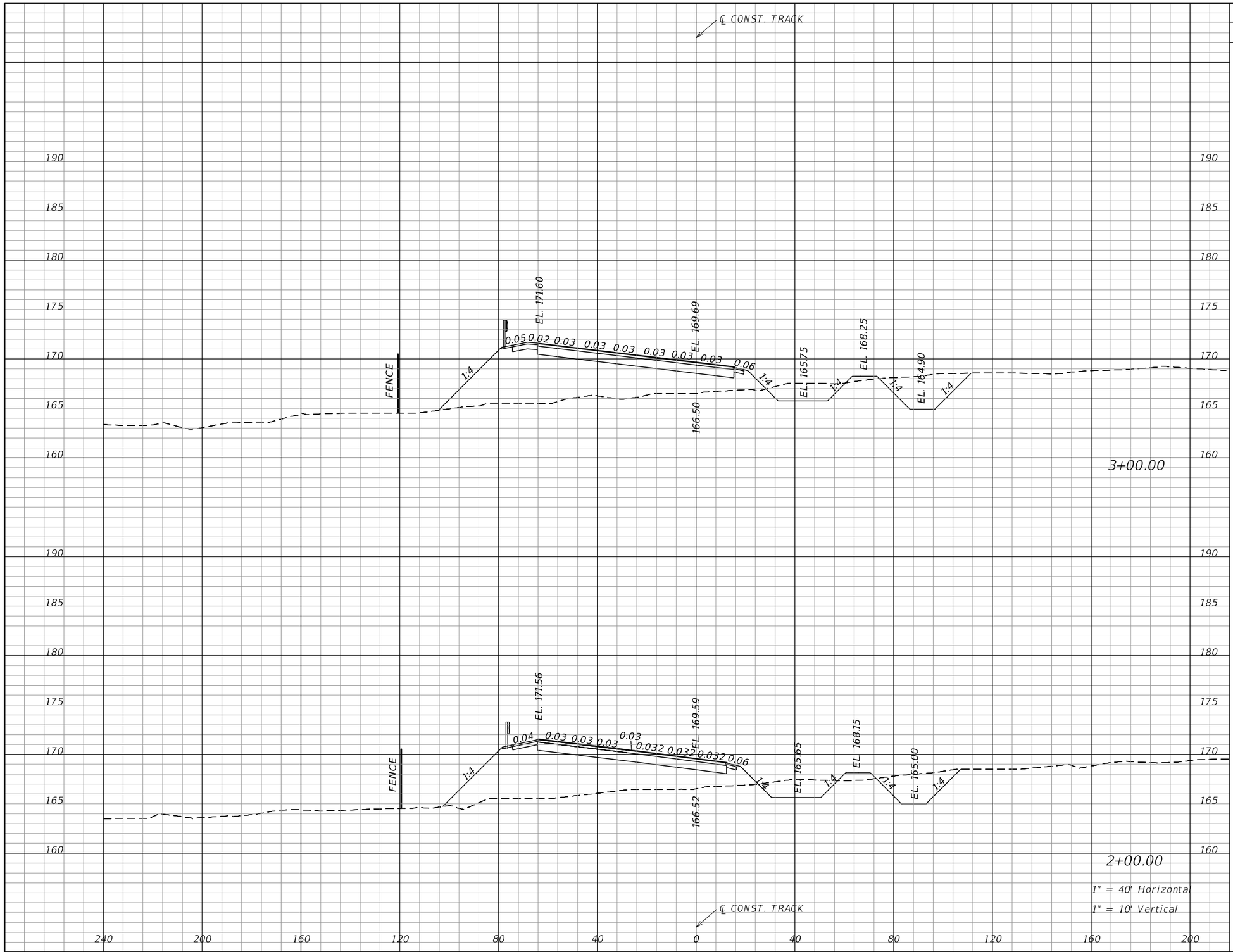
CROSS SECTIONS
TRACK

SHEET NO. 203



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		126		415	
			439		1452
		111		369	

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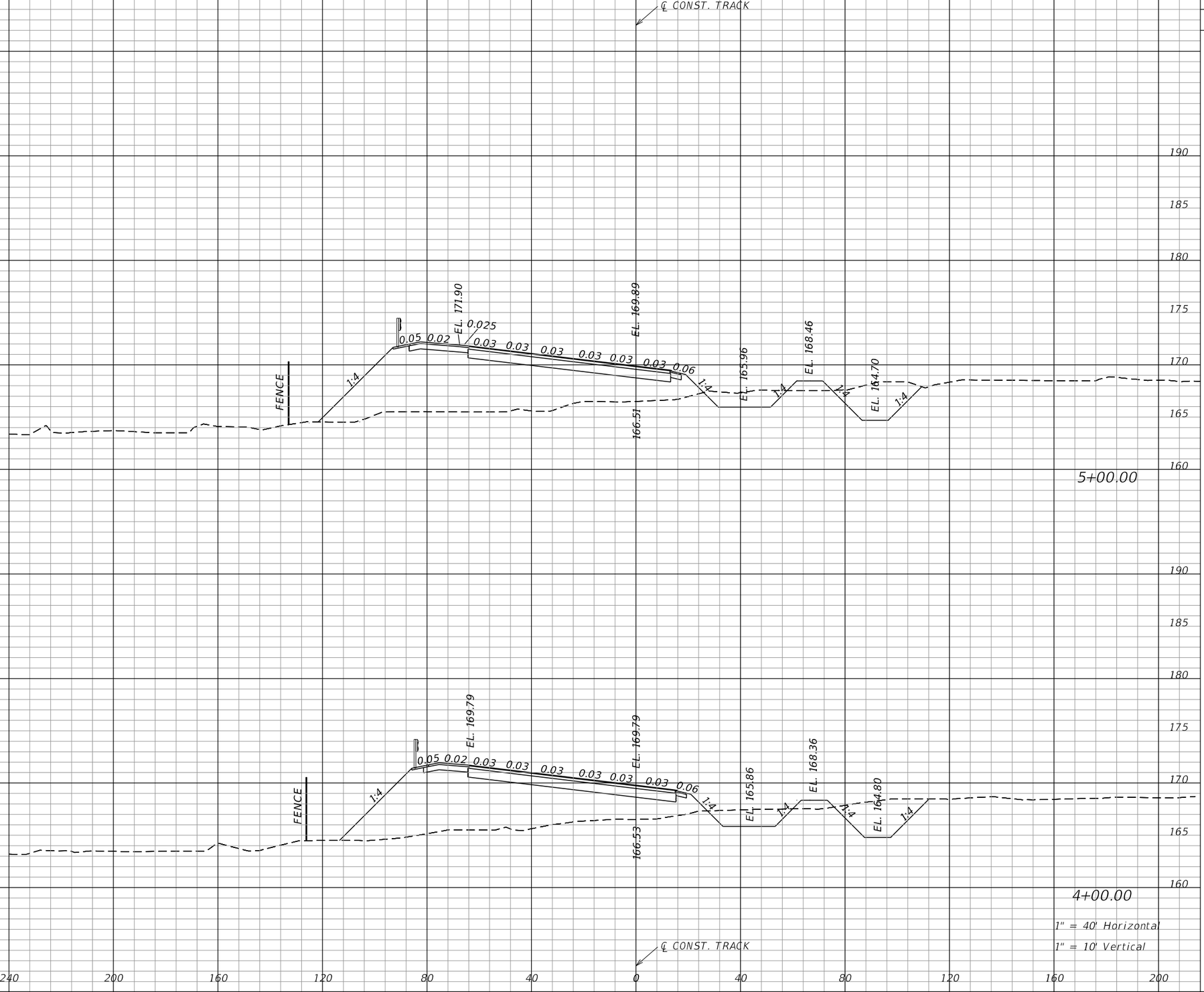
CROSS SECTIONS
TRACK

SHEET NO. 204



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		118		564	
			448		1981
		124		506	
			463		1706

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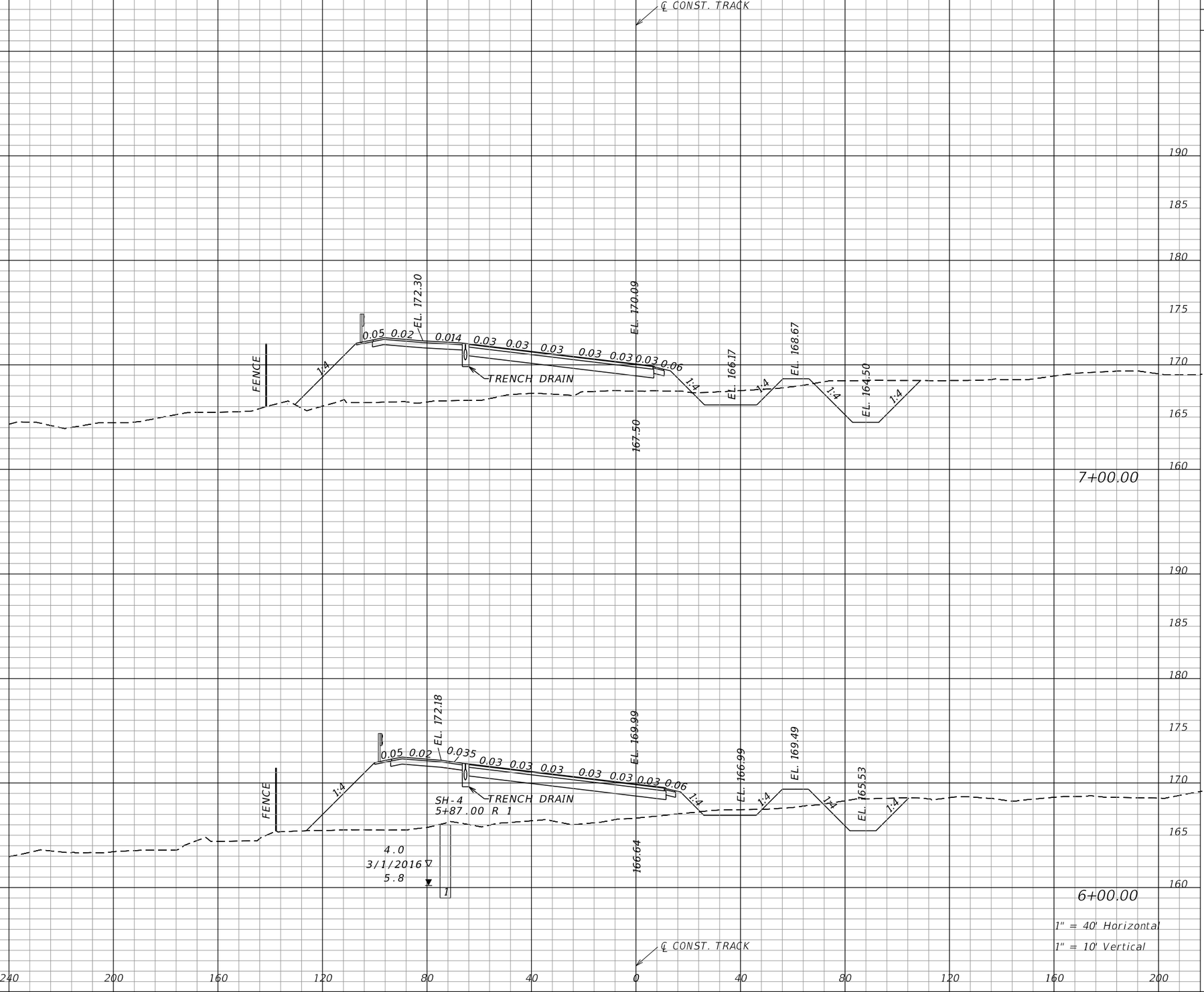
CROSS SECTIONS
TRACK

SHEET NO. 205



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		137		506	
			394		2017
		76		583	
			359		2124

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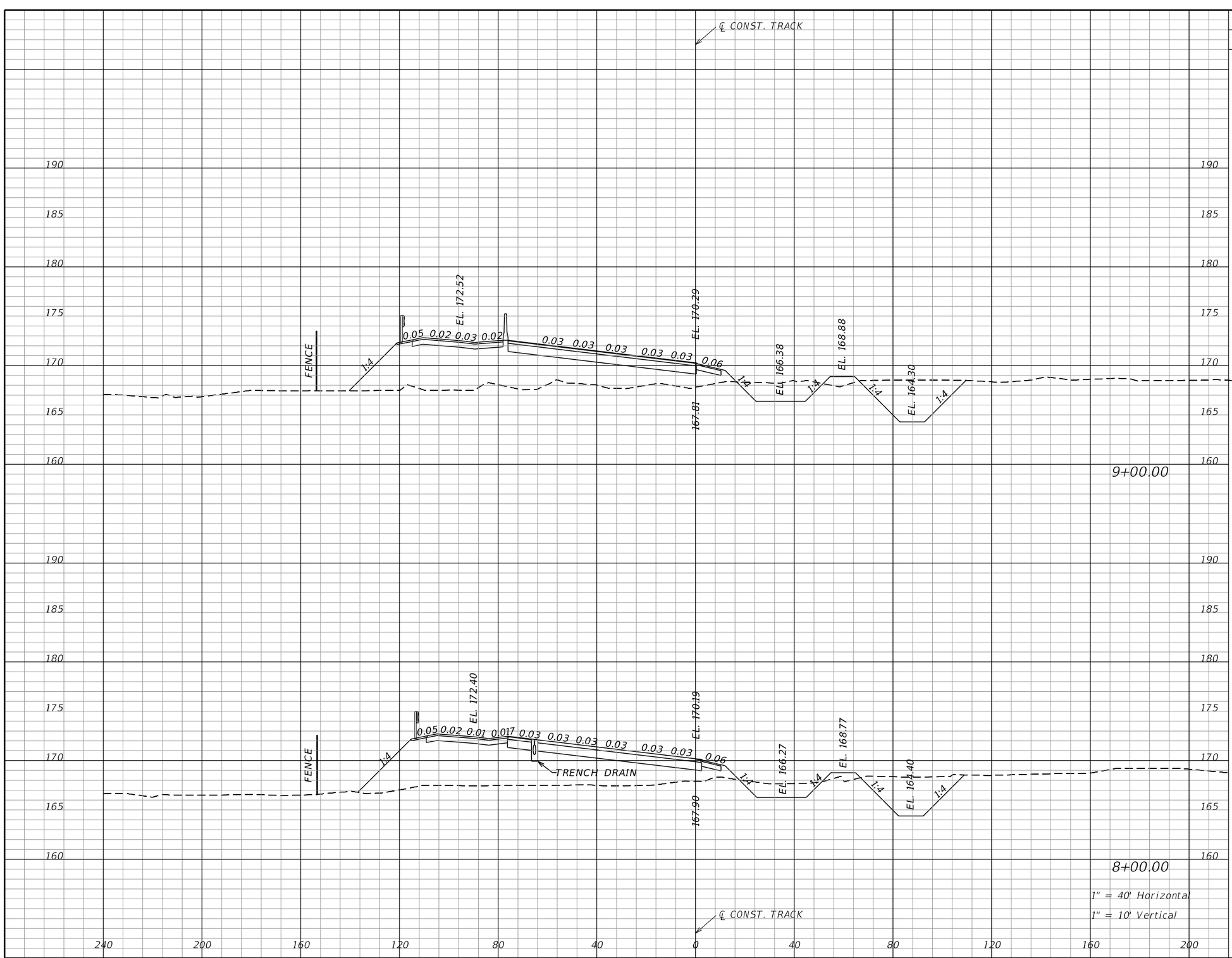
CROSS SECTIONS
TRACK

SHEET NO. 206



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		168		445	
			574		1665
		142		454	
			517		1778

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

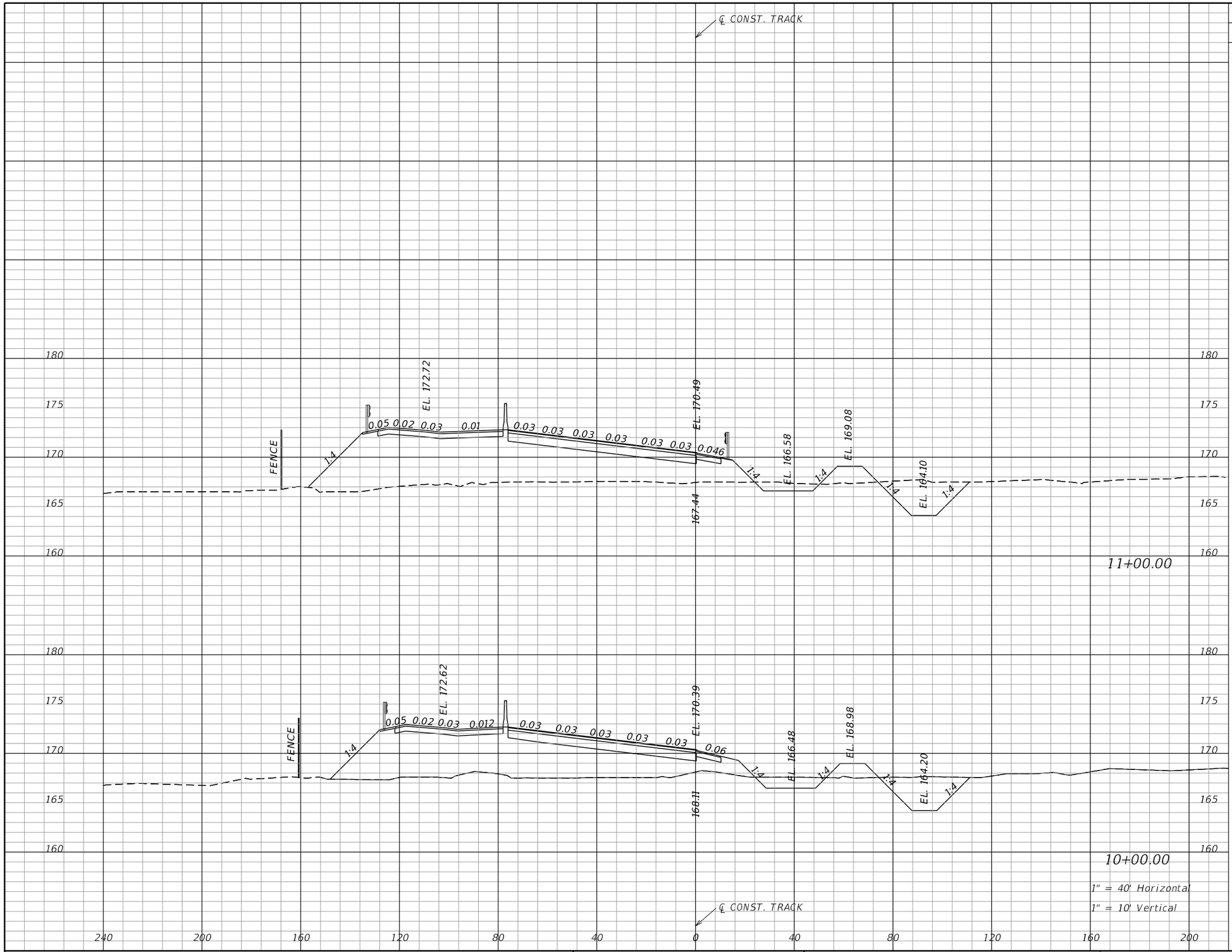
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 207



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		101		664	
		385		2235	
		107		543	
		509		1830	

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REVISIONS

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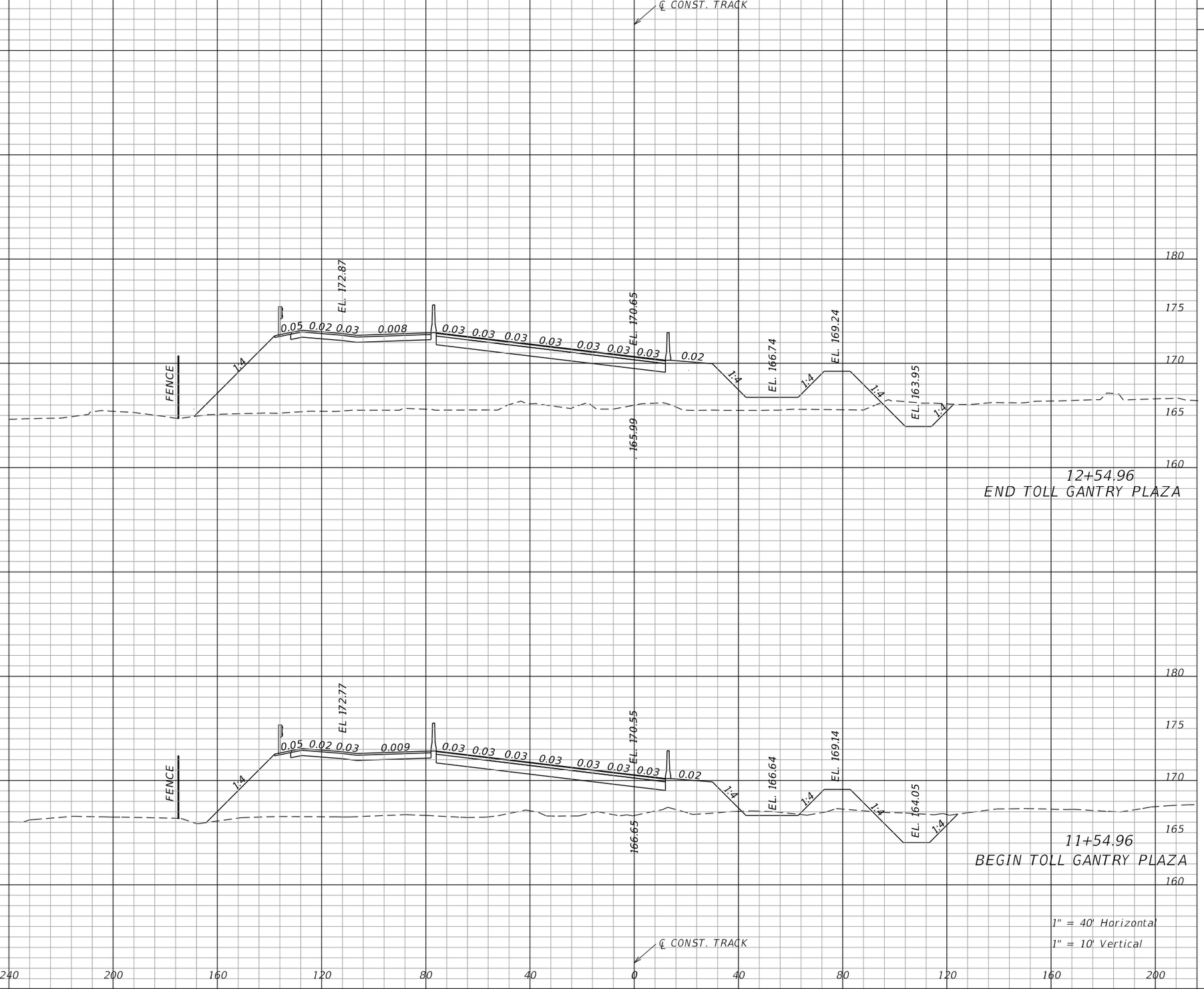
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 208



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		44		1171	
		204		3748	
		66		853	
		170		1544	

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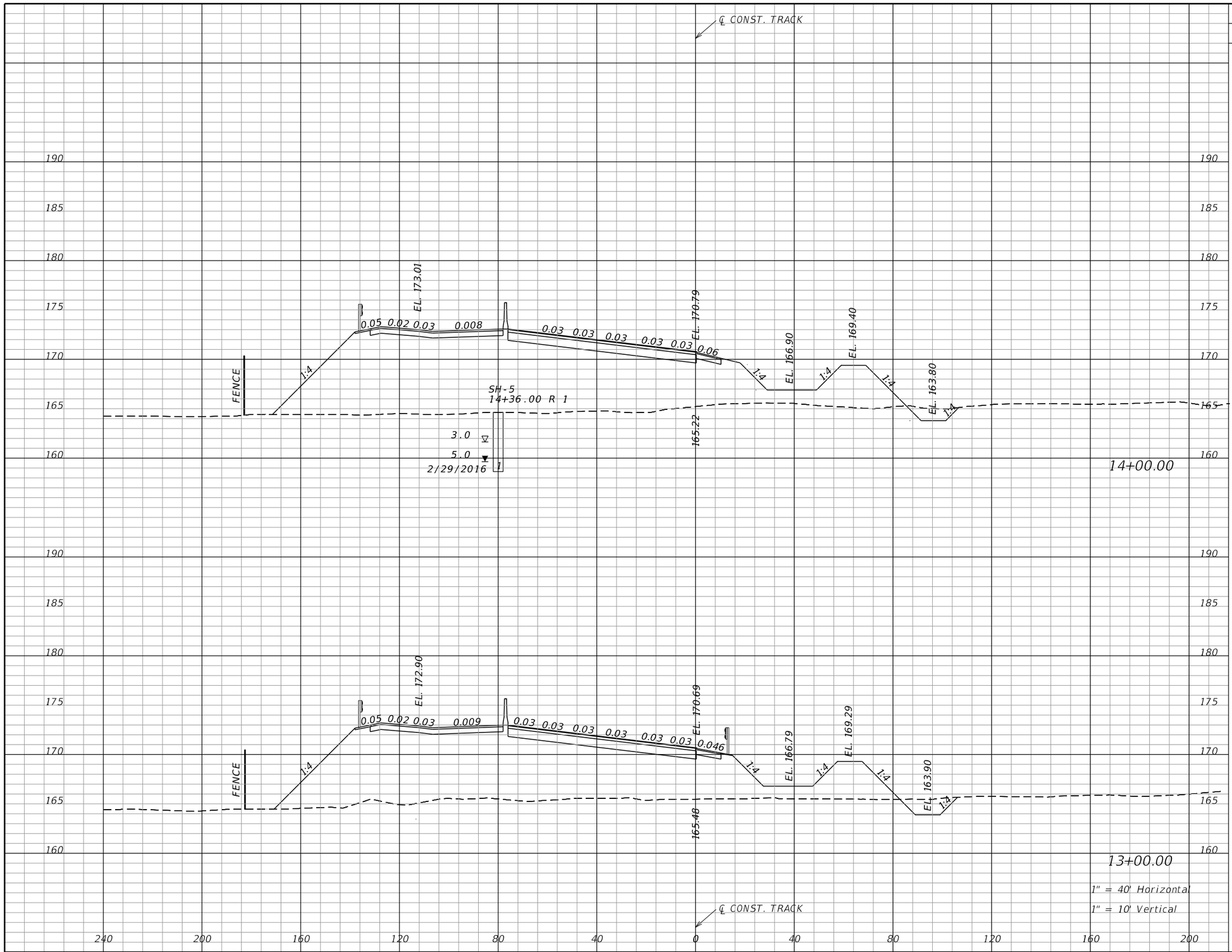
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 209



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		20		1338	
			87		4661
		27		1179	
			59		1960

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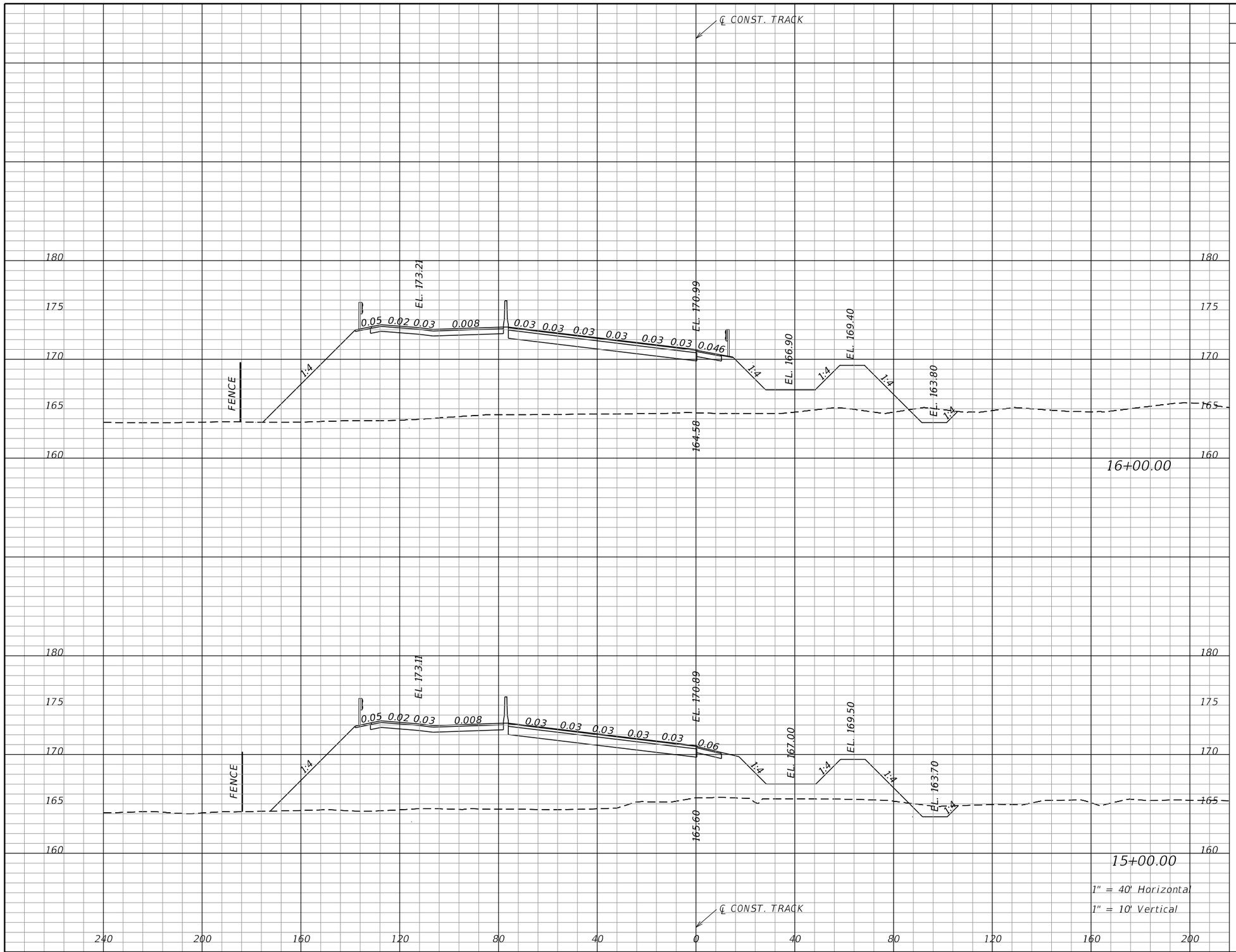
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 210



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		21		1501	
		70		5285	
		17		1353	
		69		4983	

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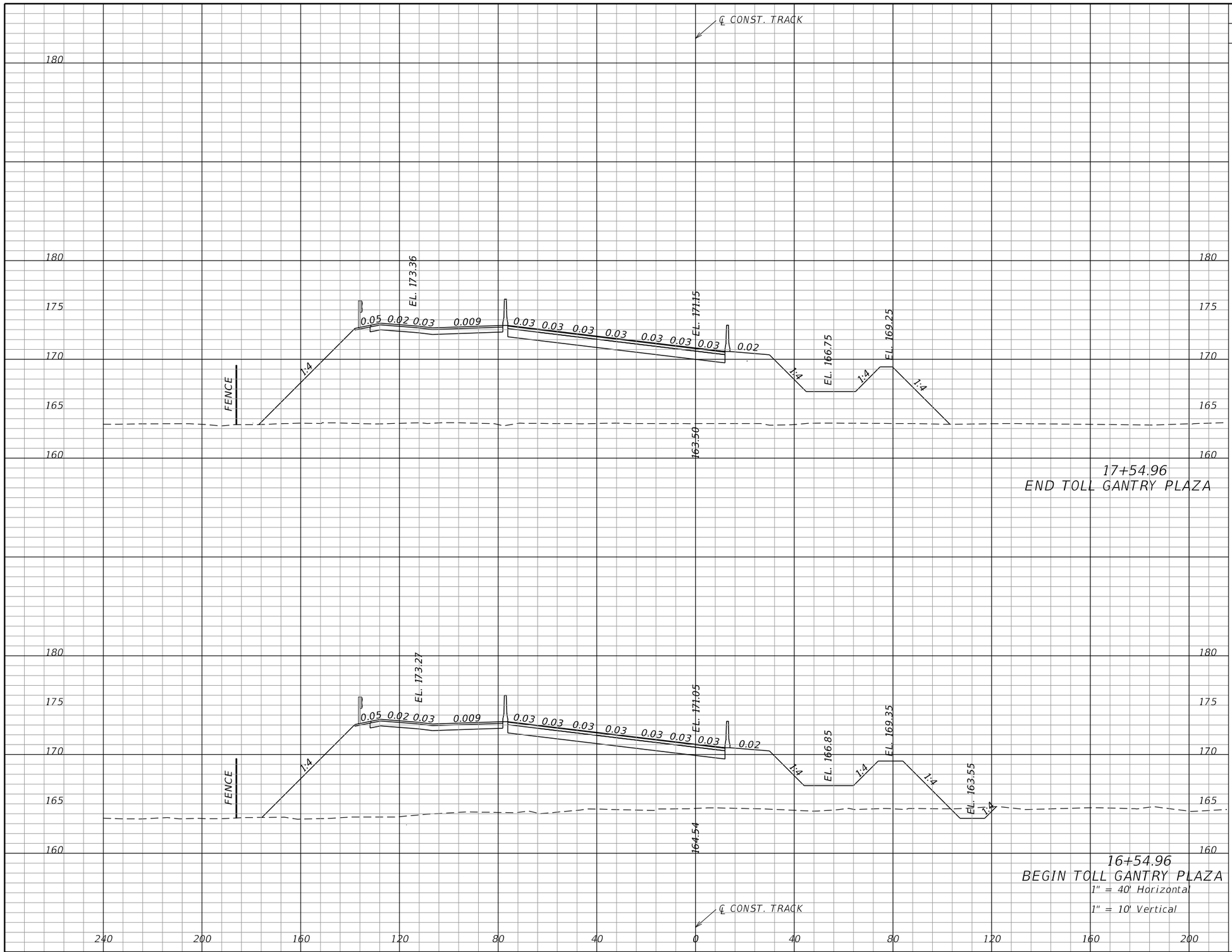
CROSS SECTIONS
TRACK

SHEET NO. 211



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		0		1828	
		28		6426	
		15		1642	
		37		3199	

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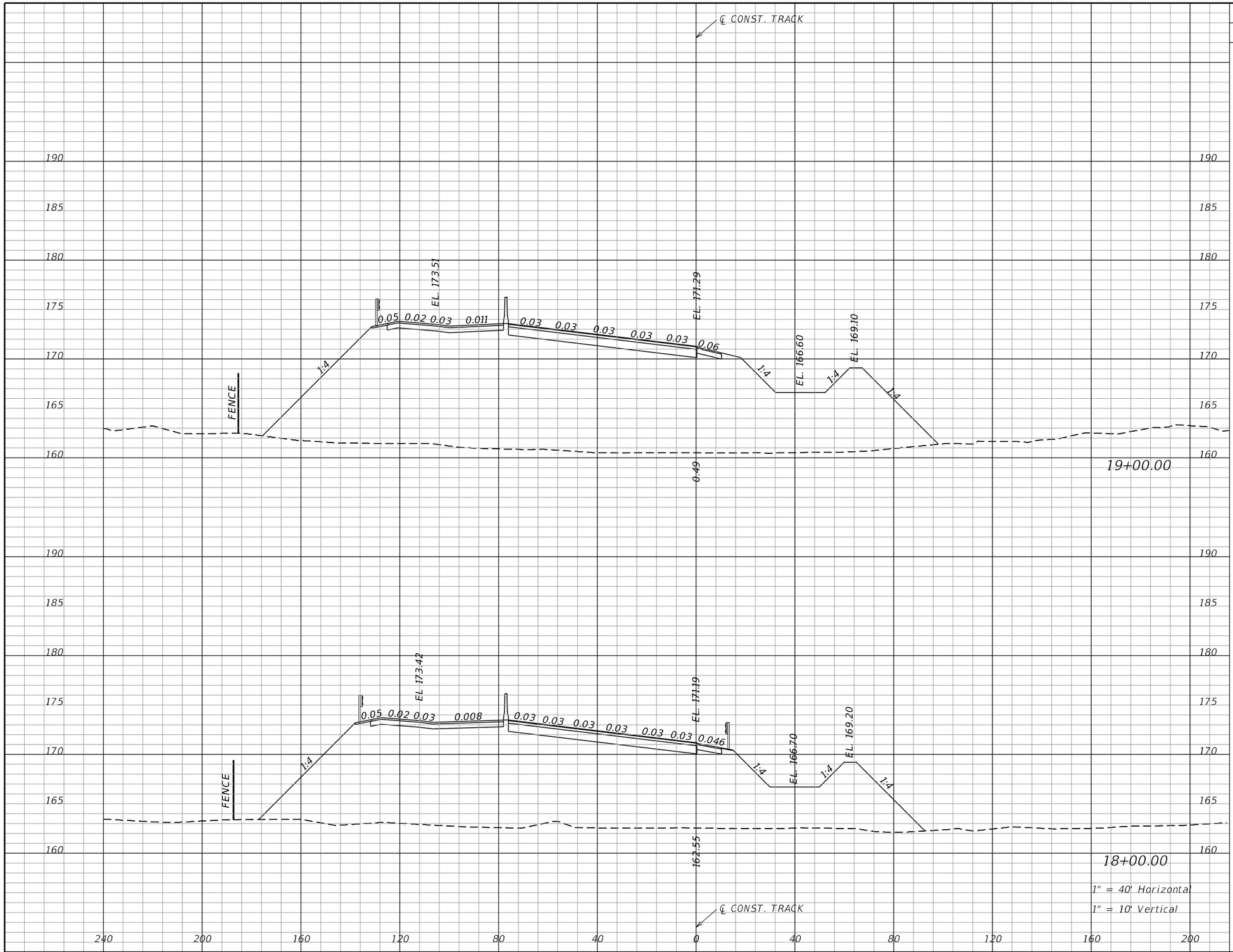
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 212



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		0		2382	
			0	8011	
		0		1944	
			0	3146	

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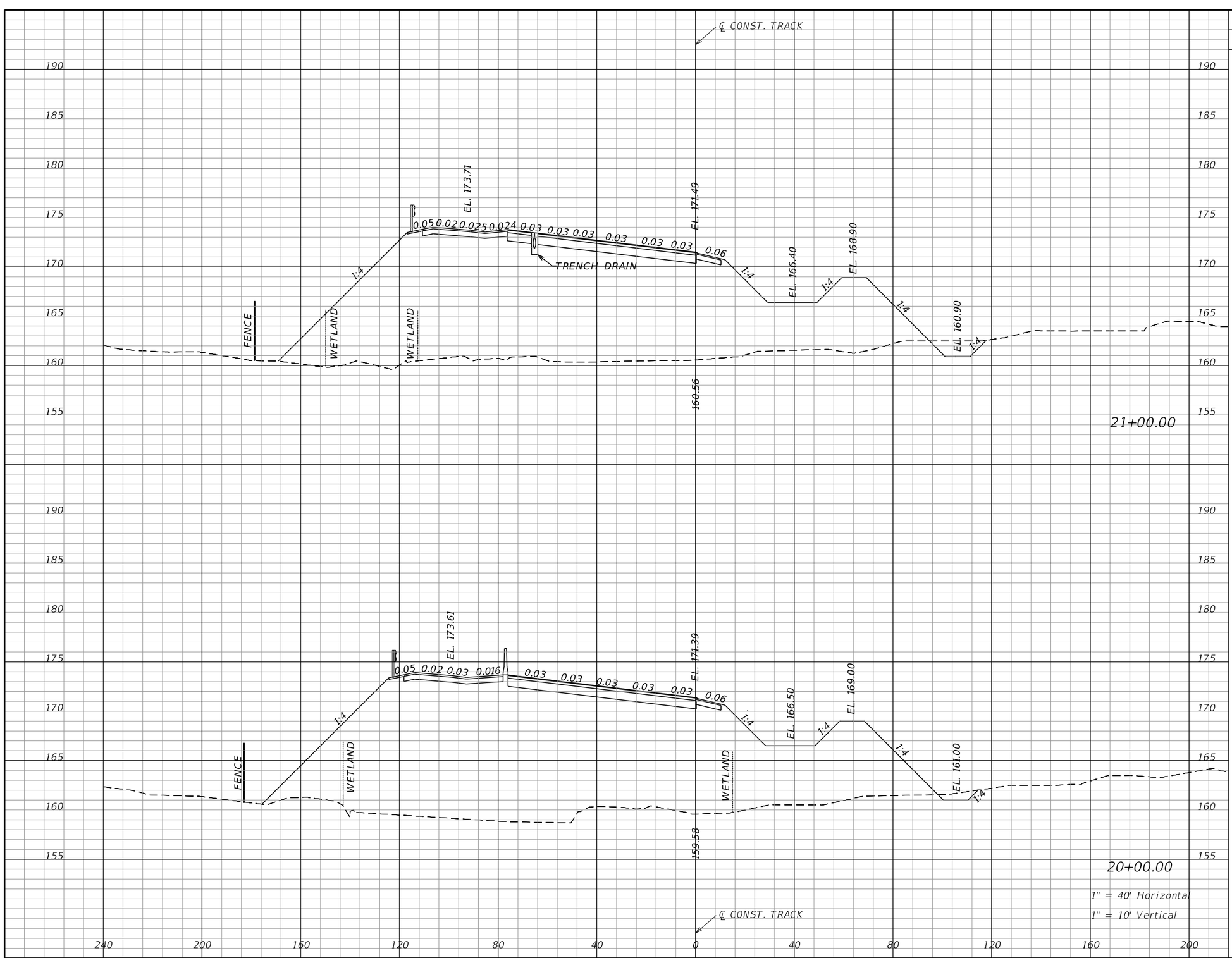
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 213



1" = 40' Horizontal
1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		26		2273	
		65		8928	
		9		2548	
		17		9130	

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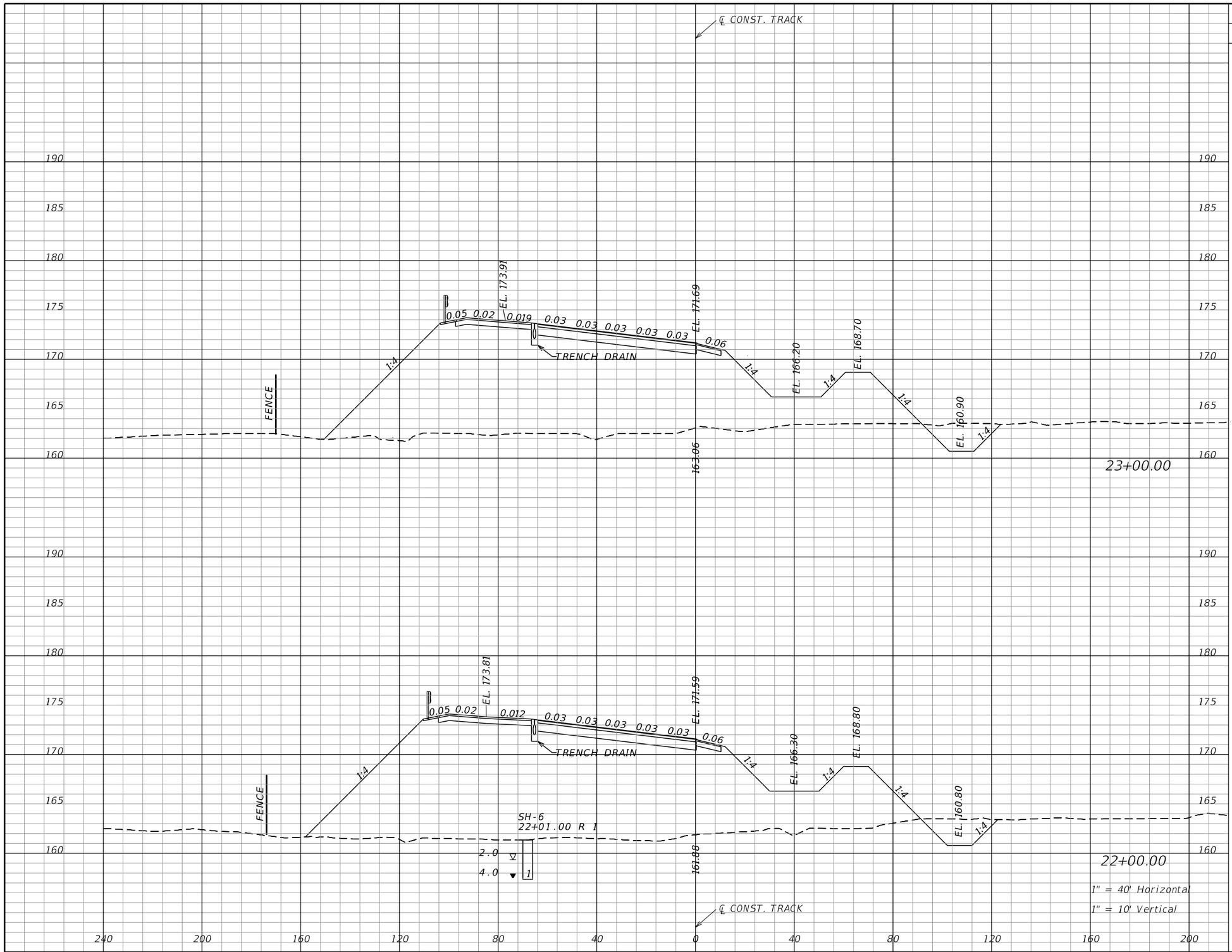
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 214



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		58		1680	
		211		6720	
		56		1949	
		152		7819	

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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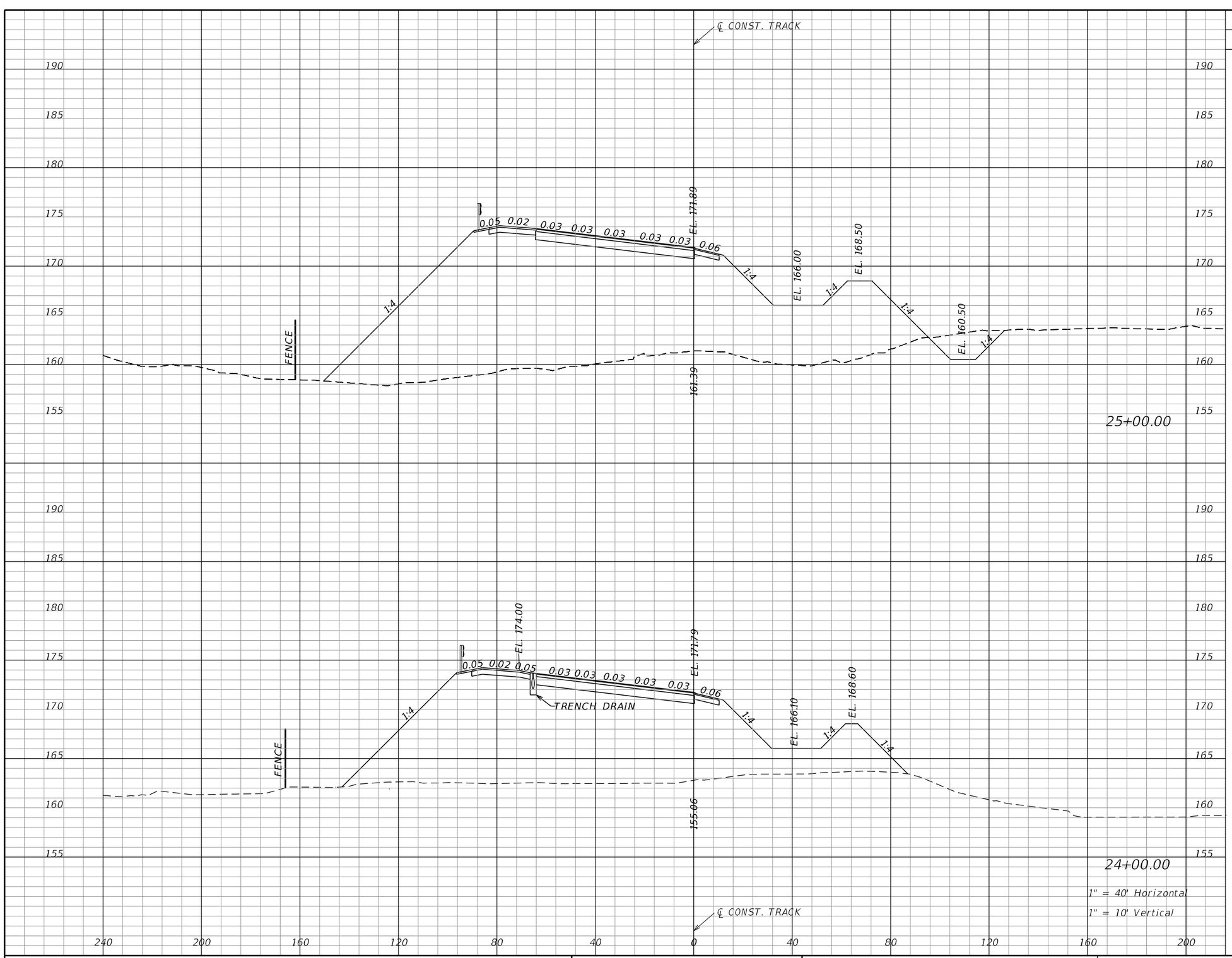
CROSS SECTIONS
TRACK

SHEET NO. 215



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		56		2181	
		104		6891	
		0		1540	
		107		5963	

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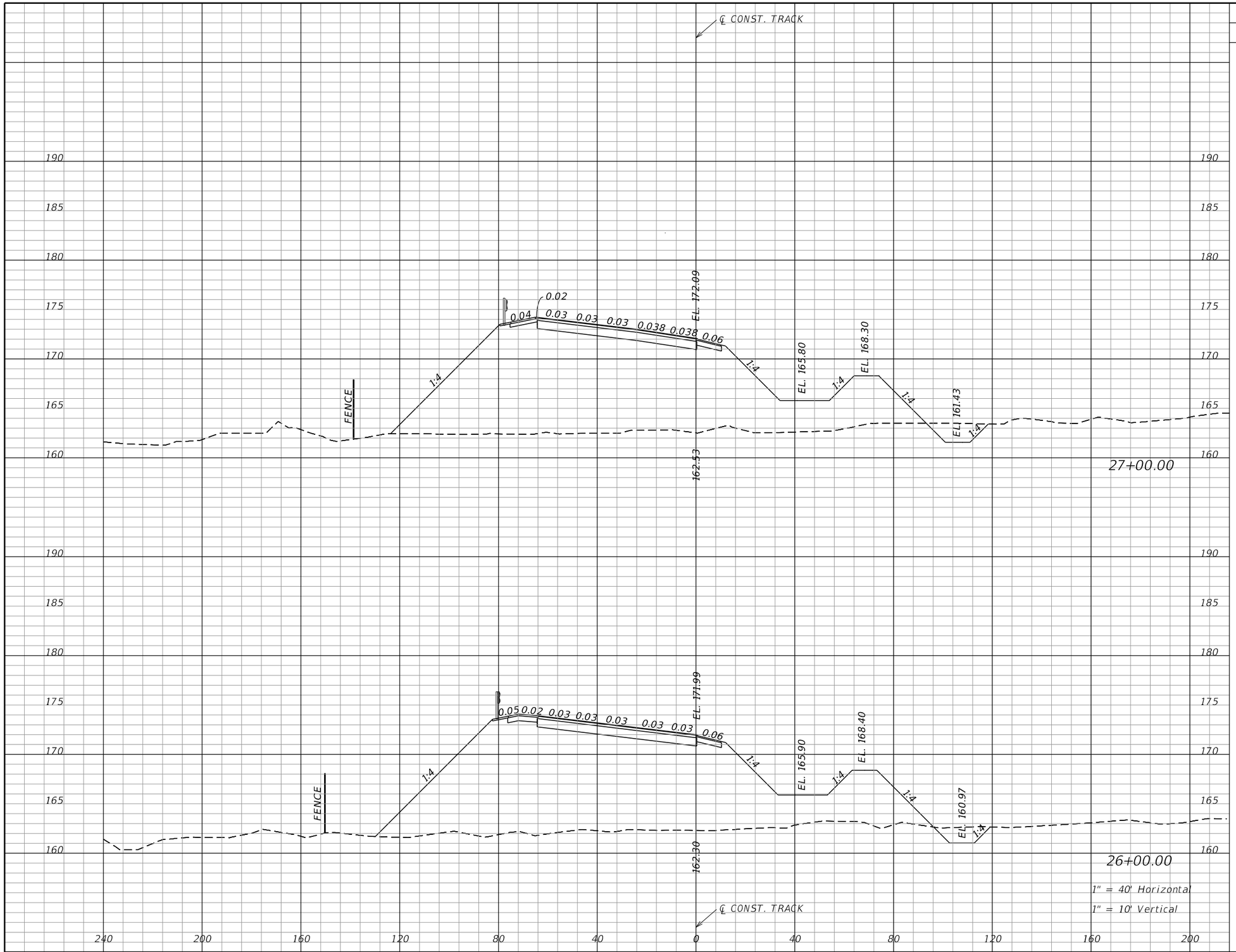
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 216



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		34		1450	
		111		5544	
		26		1544	
		152		6898	

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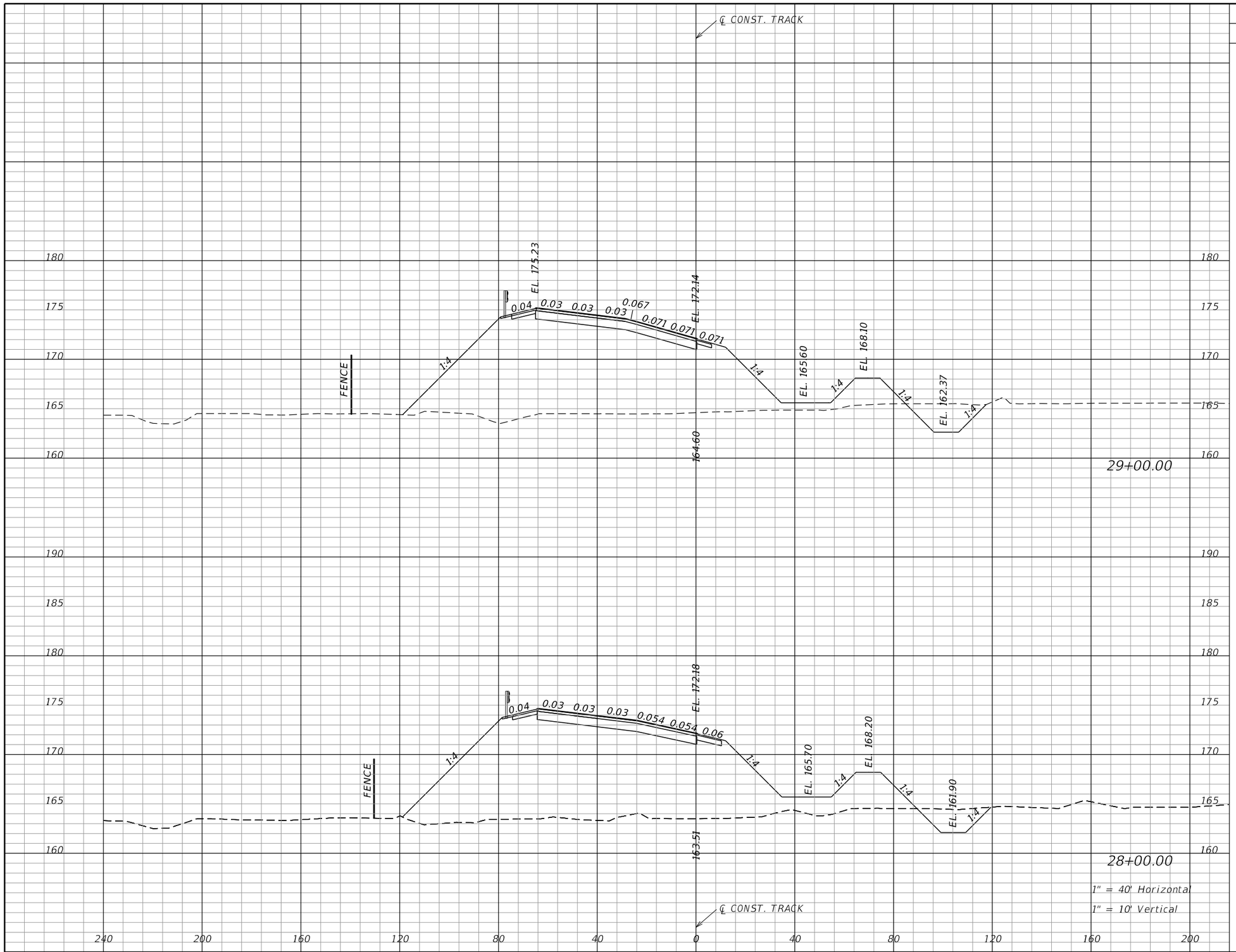
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 217



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		61		1122	
		202		4426	
		48		1268	
		152		5033	

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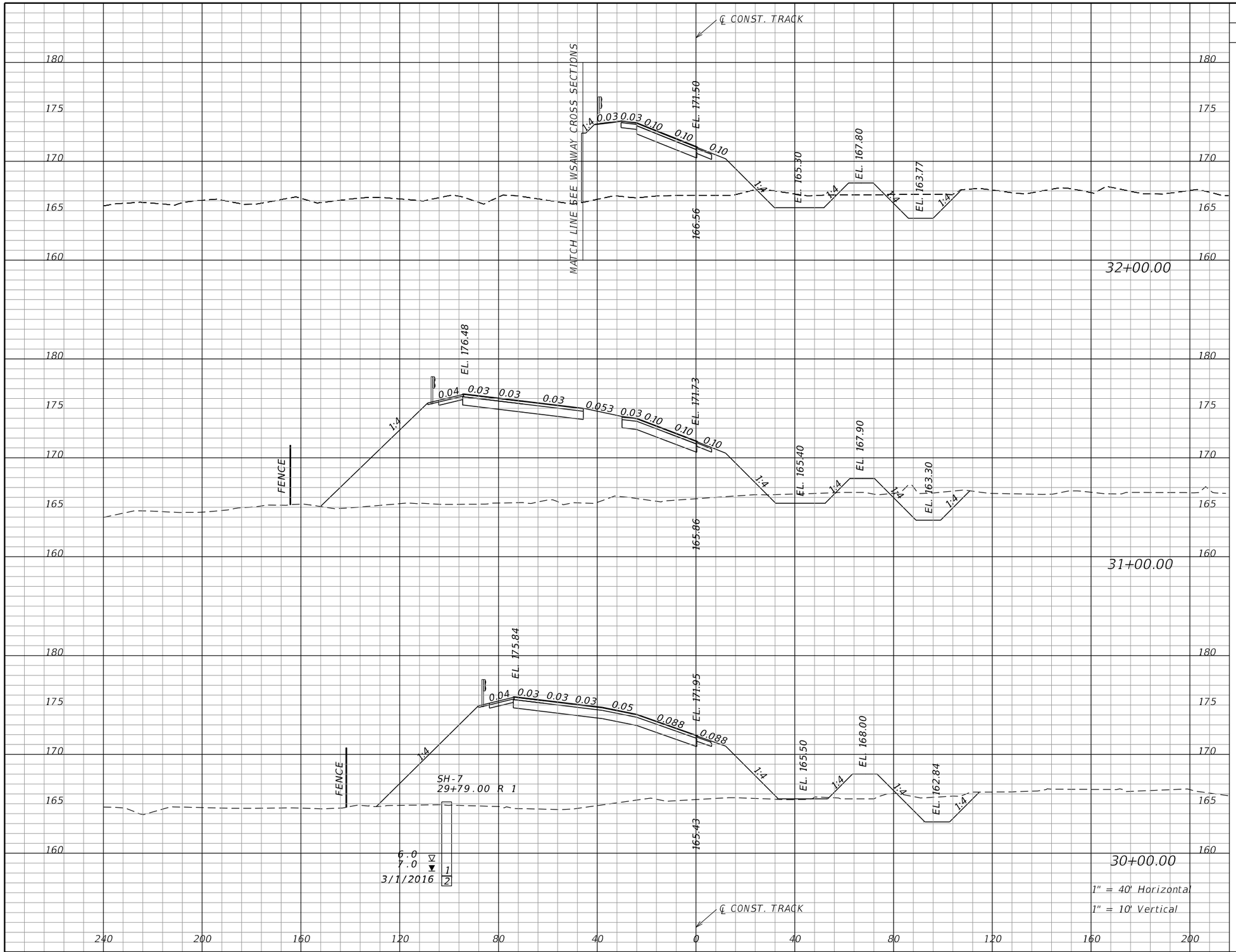
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 218



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		85		368	
			317		3015
		86		1260	
			261		4435
		55		1135	
			215		4180

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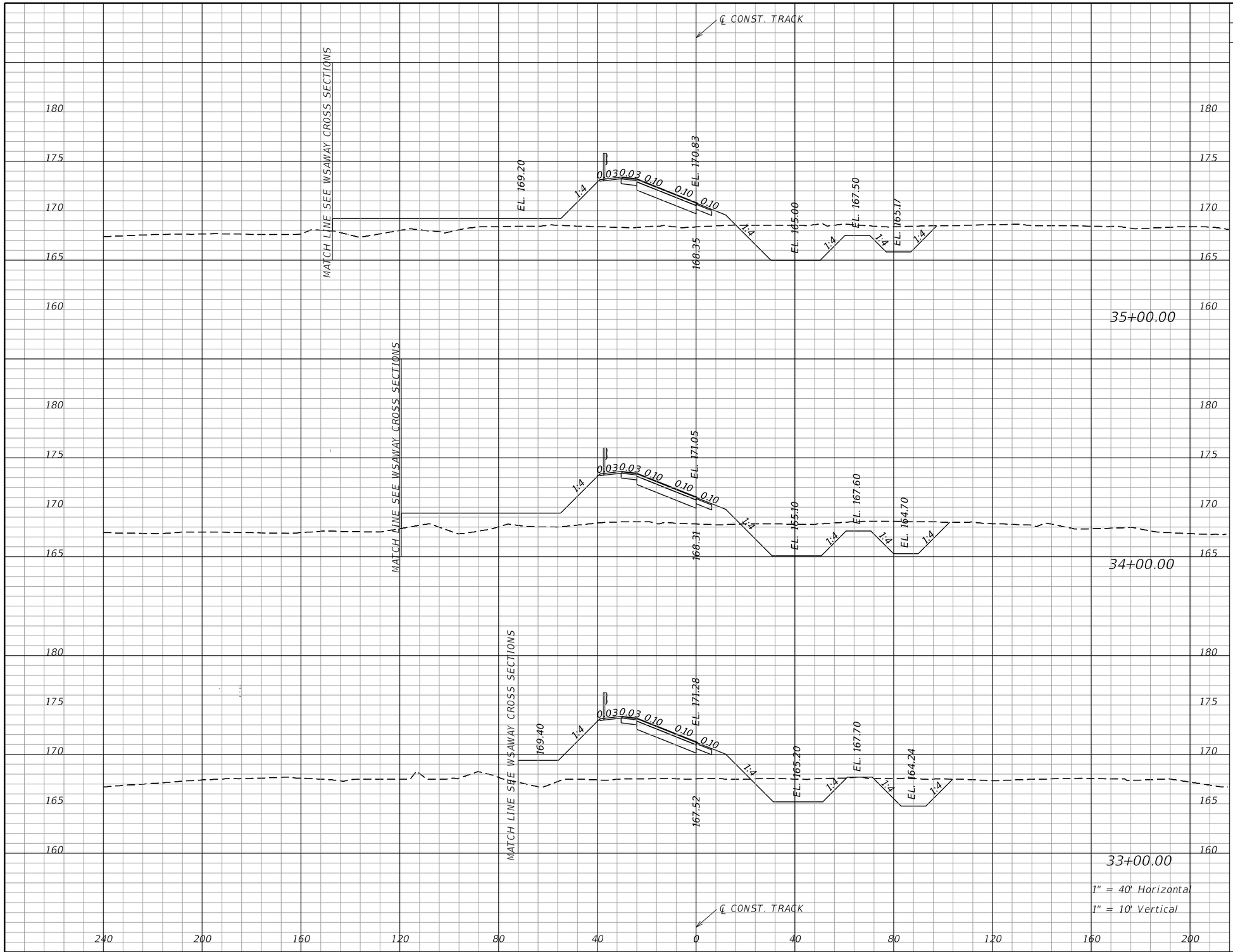
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 219



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		180		296	
			680		896
		187		188	
			581		969
		127		335	
		393		1302	

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STATE OF FLORIDA
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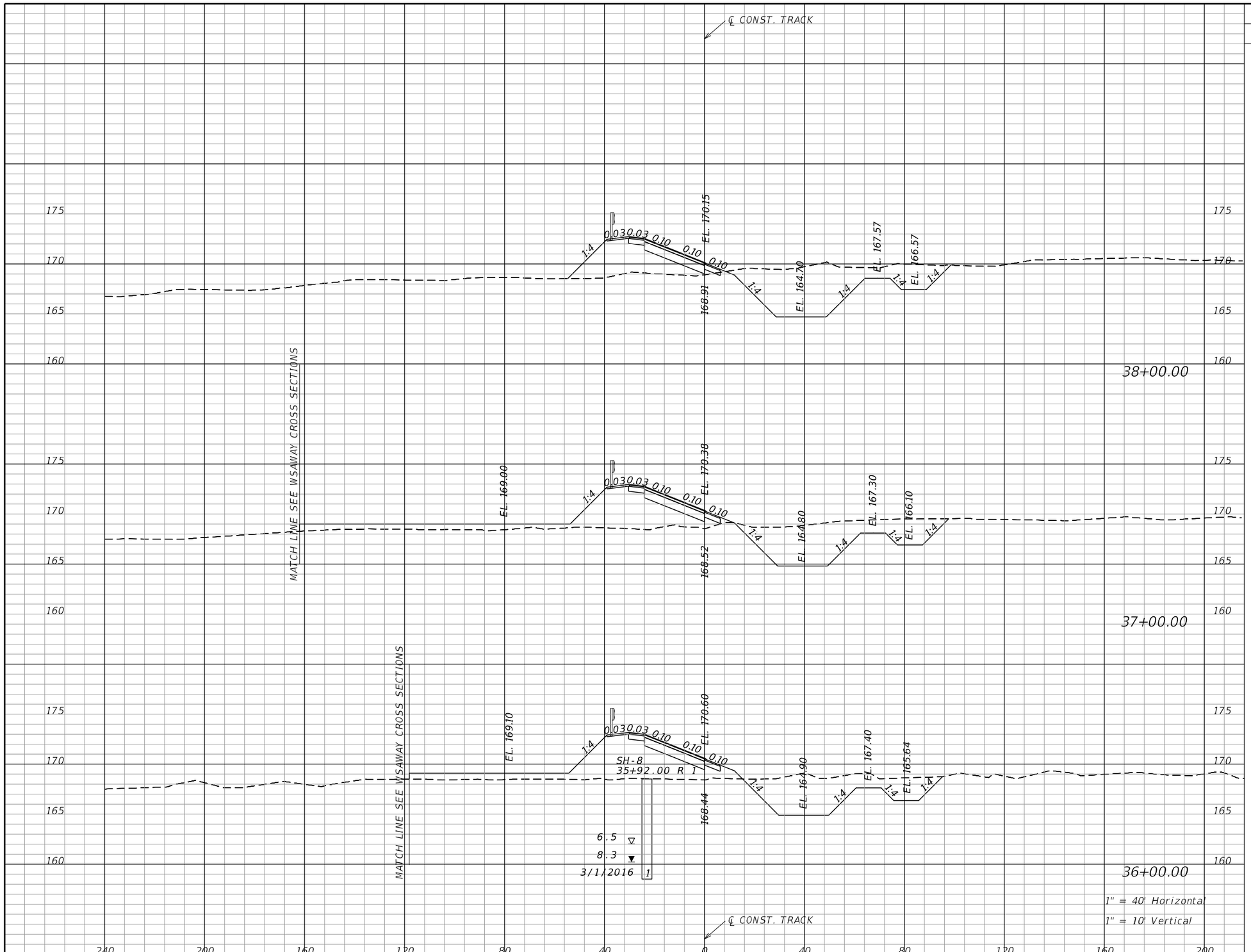
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 220



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		252		111	
			861		567
		213		195	
			741		743
		187		206	
			680		930

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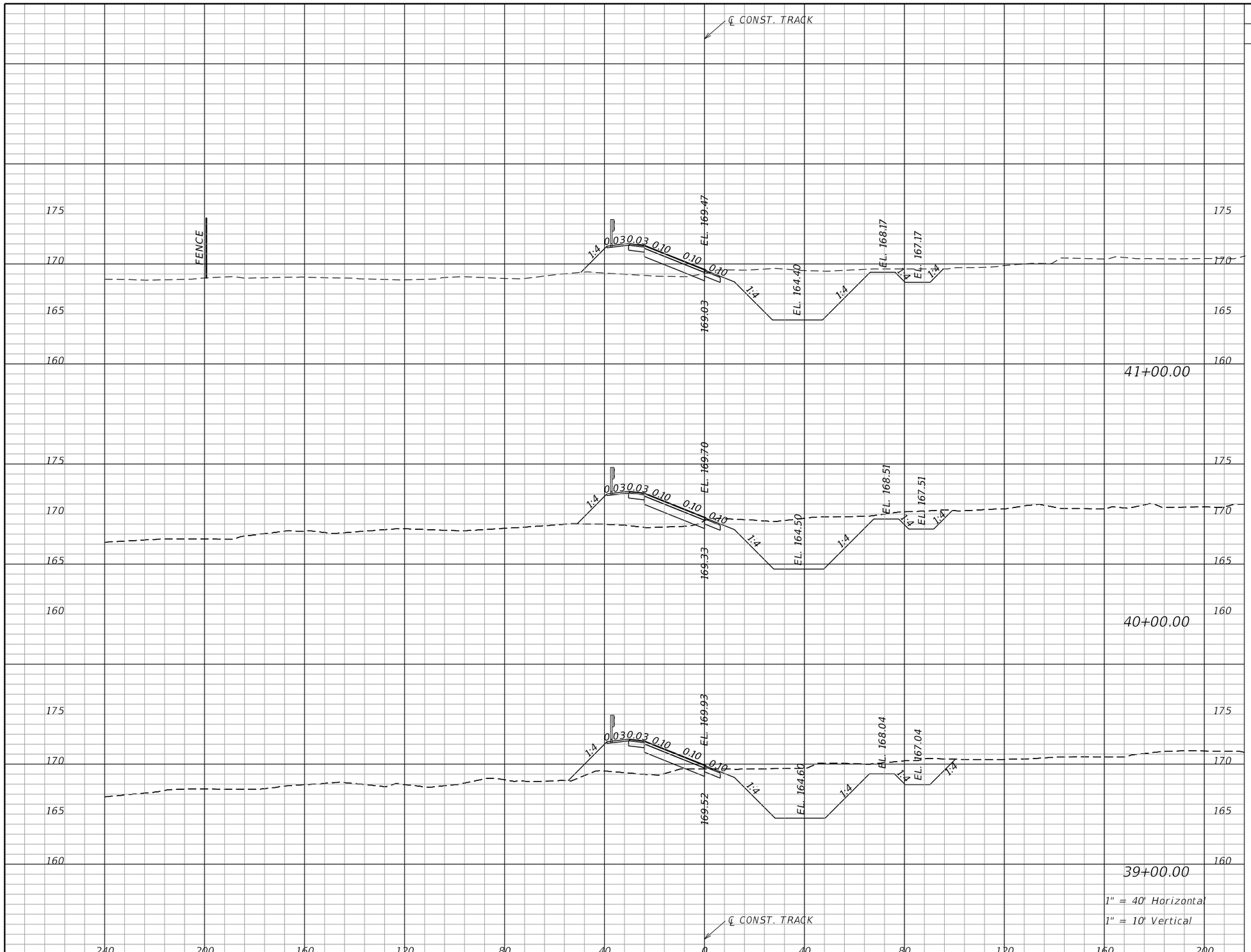
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 221



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		232		72	
			887		294
		247		87	
			963		317
		273		84	
			972		361

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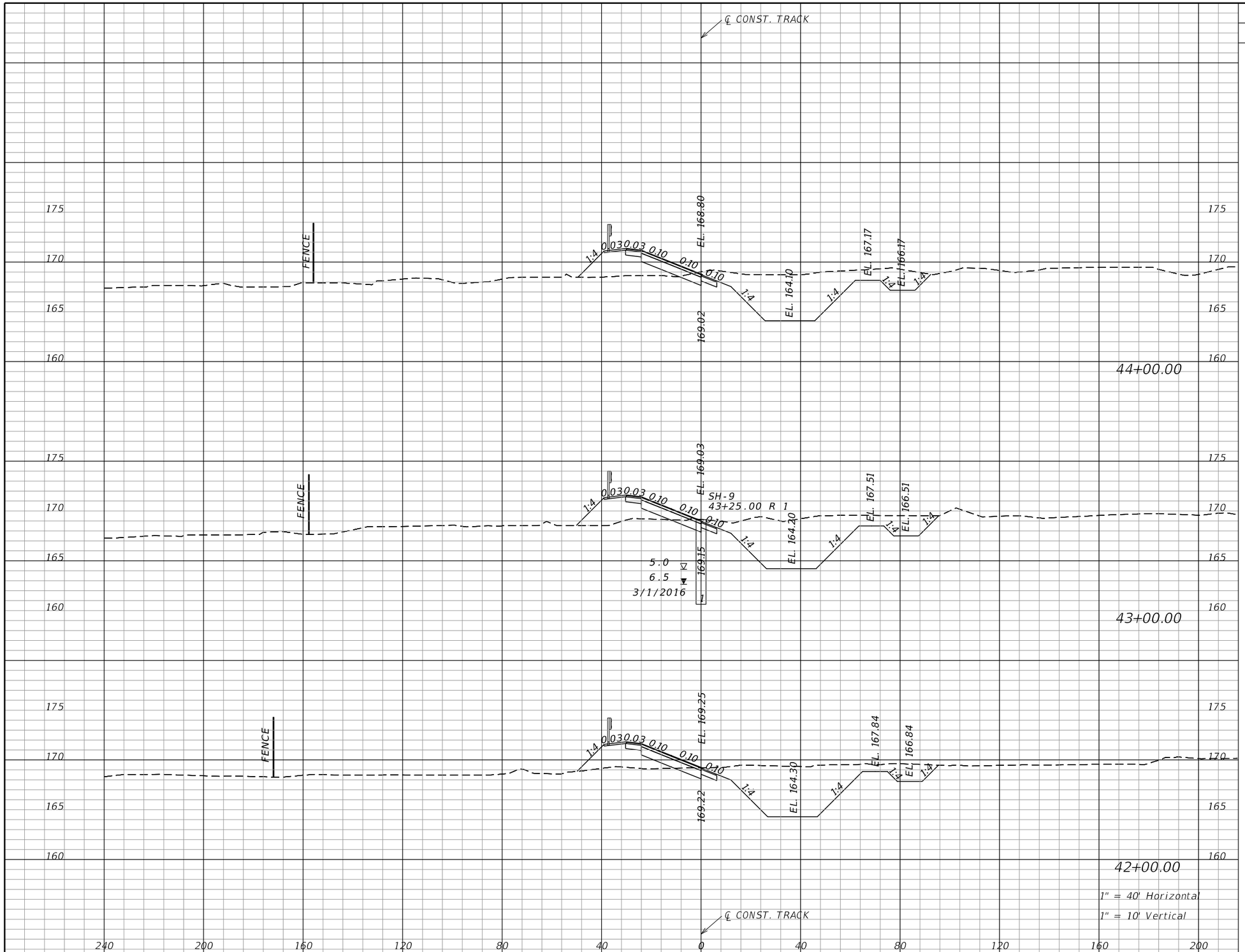
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 222



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		247		59	
			948		209
		265		54	
			967		200
		257		54	
			906		233

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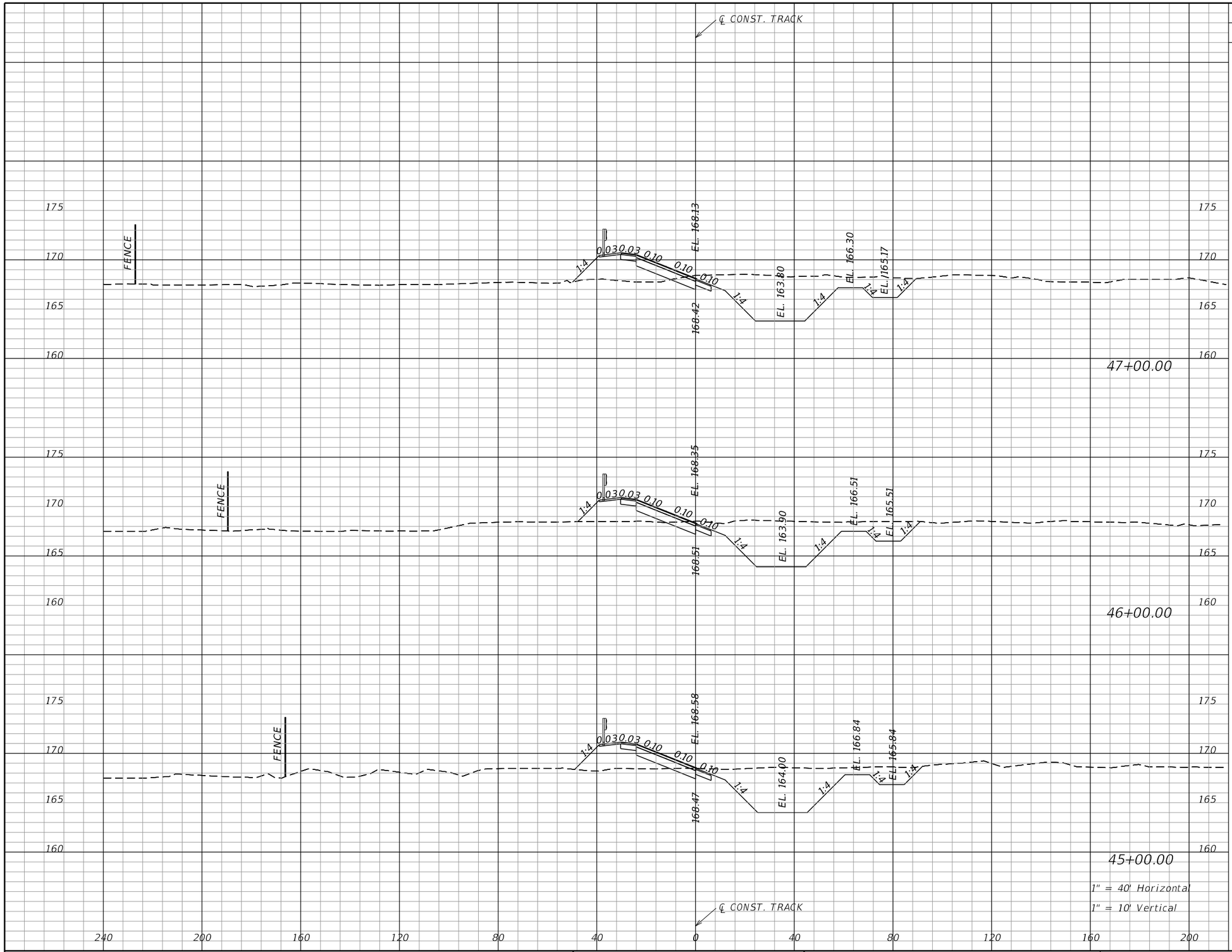
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 223



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		238		60	
			876		194
		235		45	
			843		189
		220		57	
			865		215

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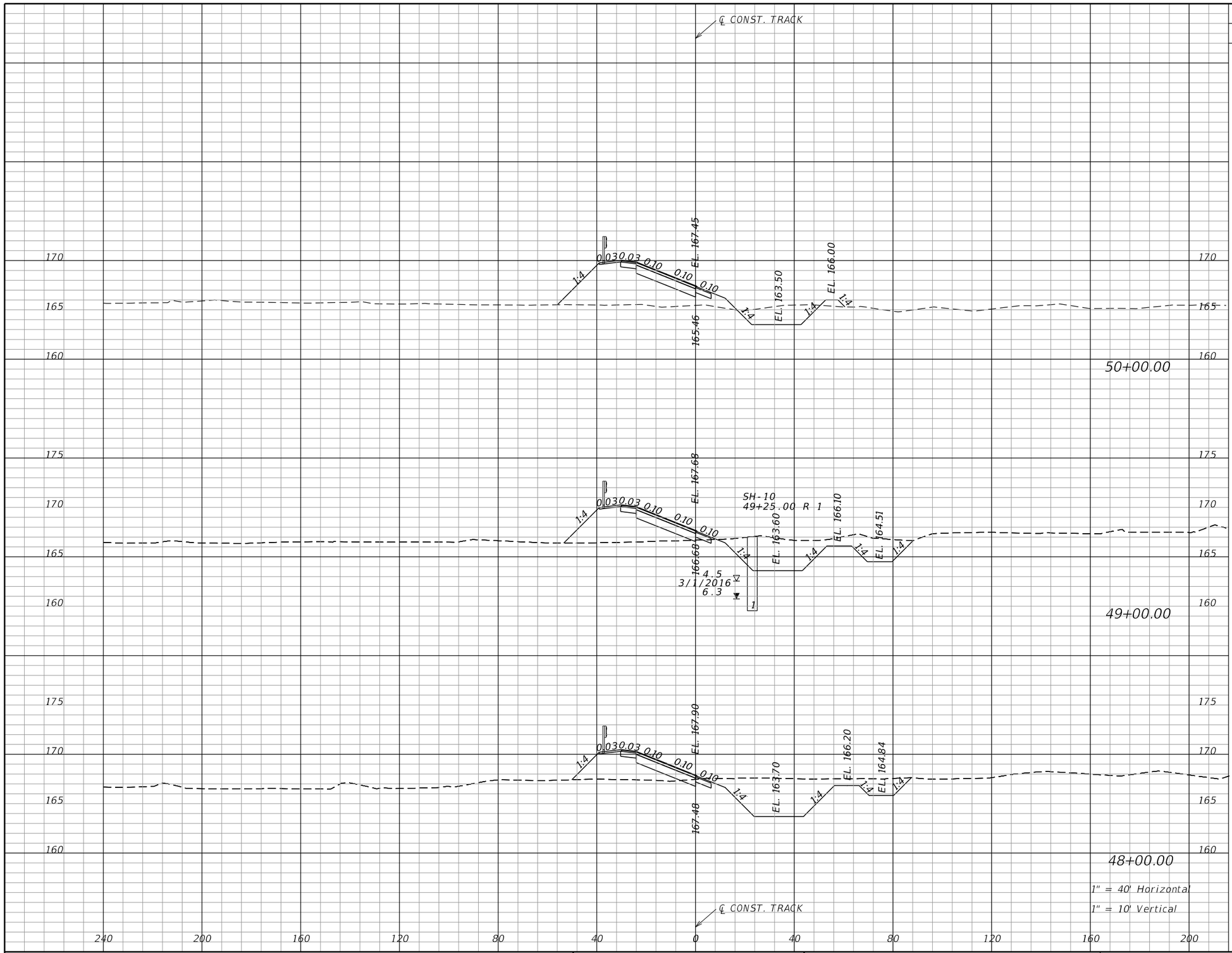
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 224



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		49		167	
			387		502
		160		104	
			626		320
		178		69	
			770		239

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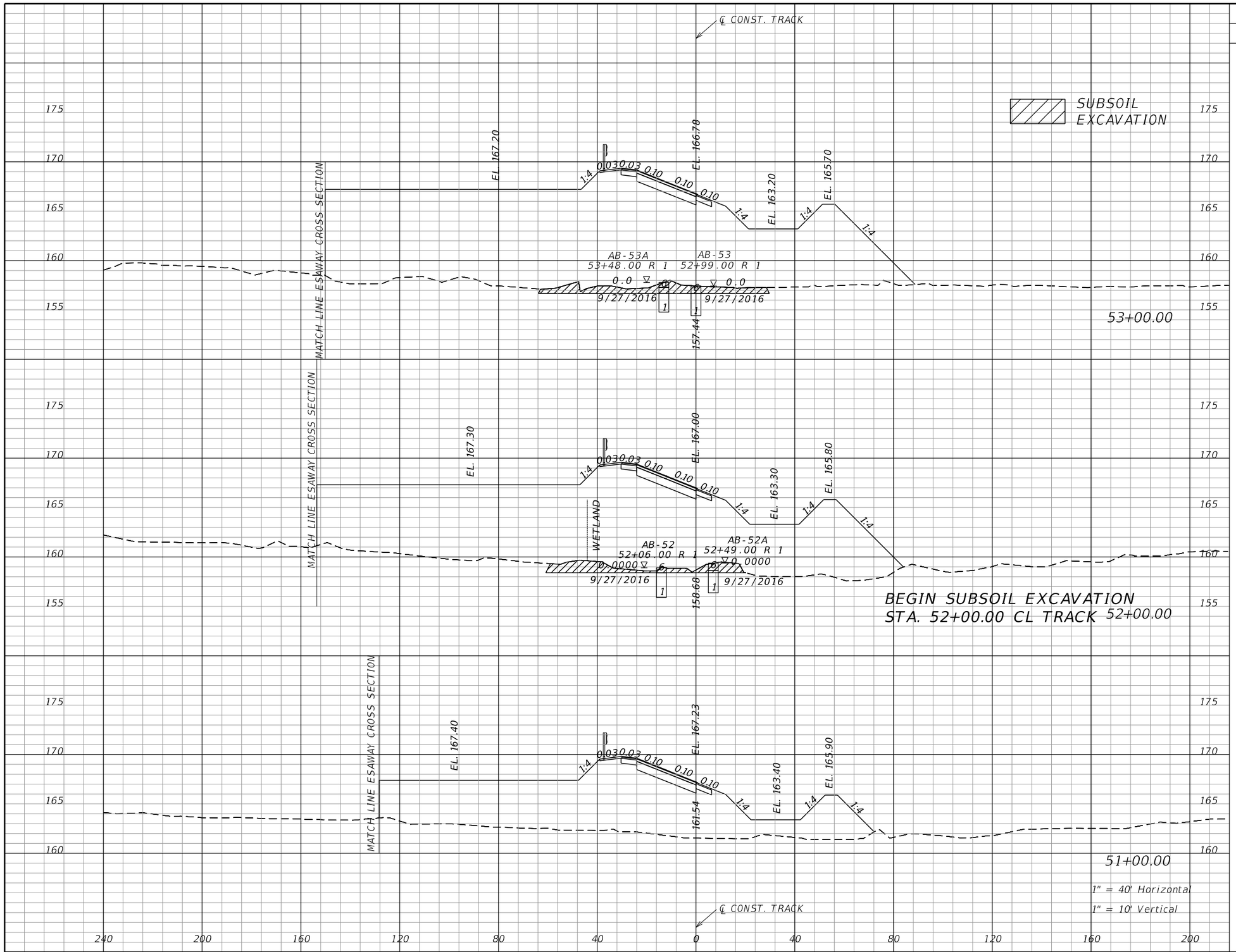
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 225



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
64		00		2050	
	217		00		6969
53		00		1713	
	98		00		4794
00		00		876	
			91		1931

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

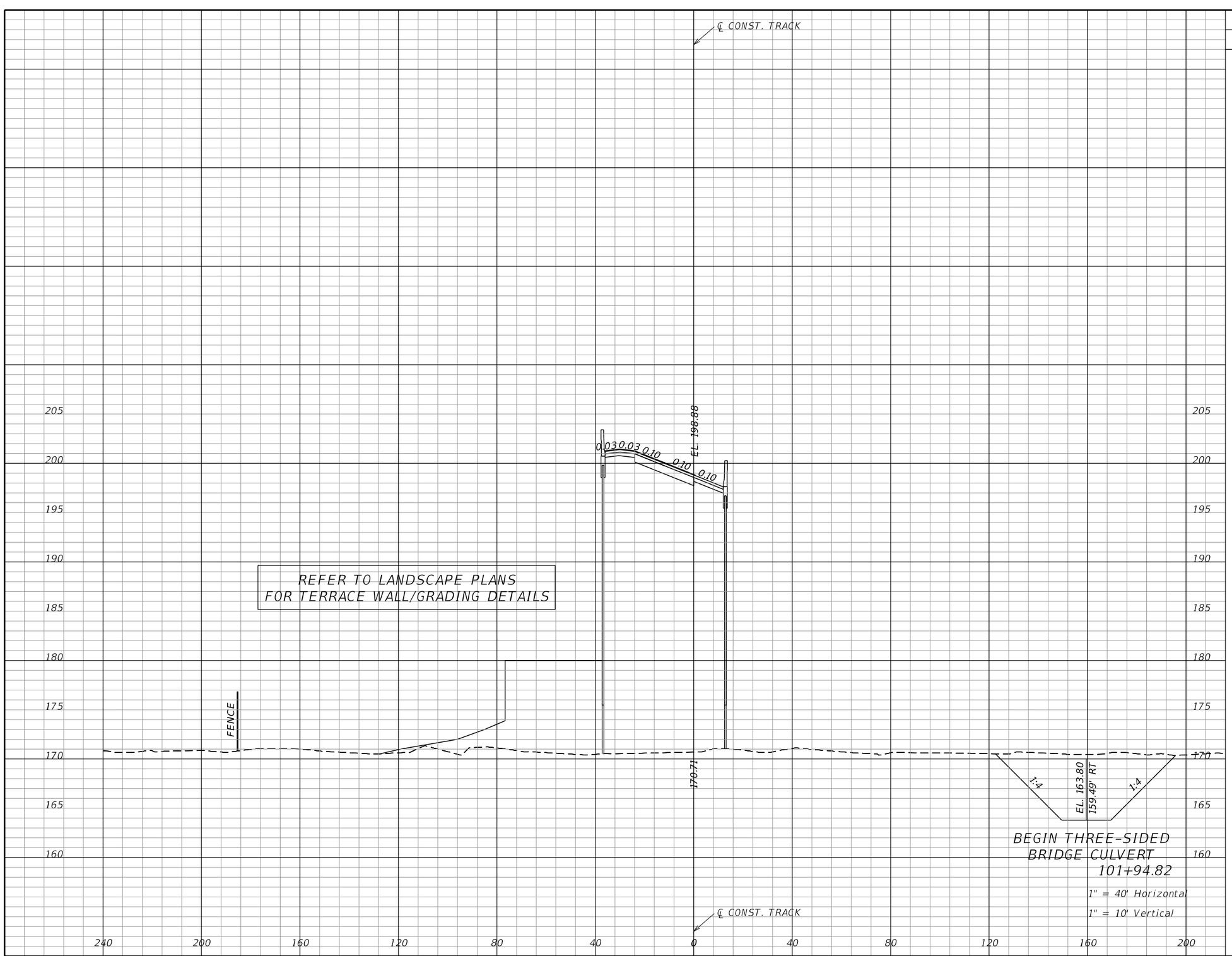
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 226



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		317		1423	
		1105		7246	

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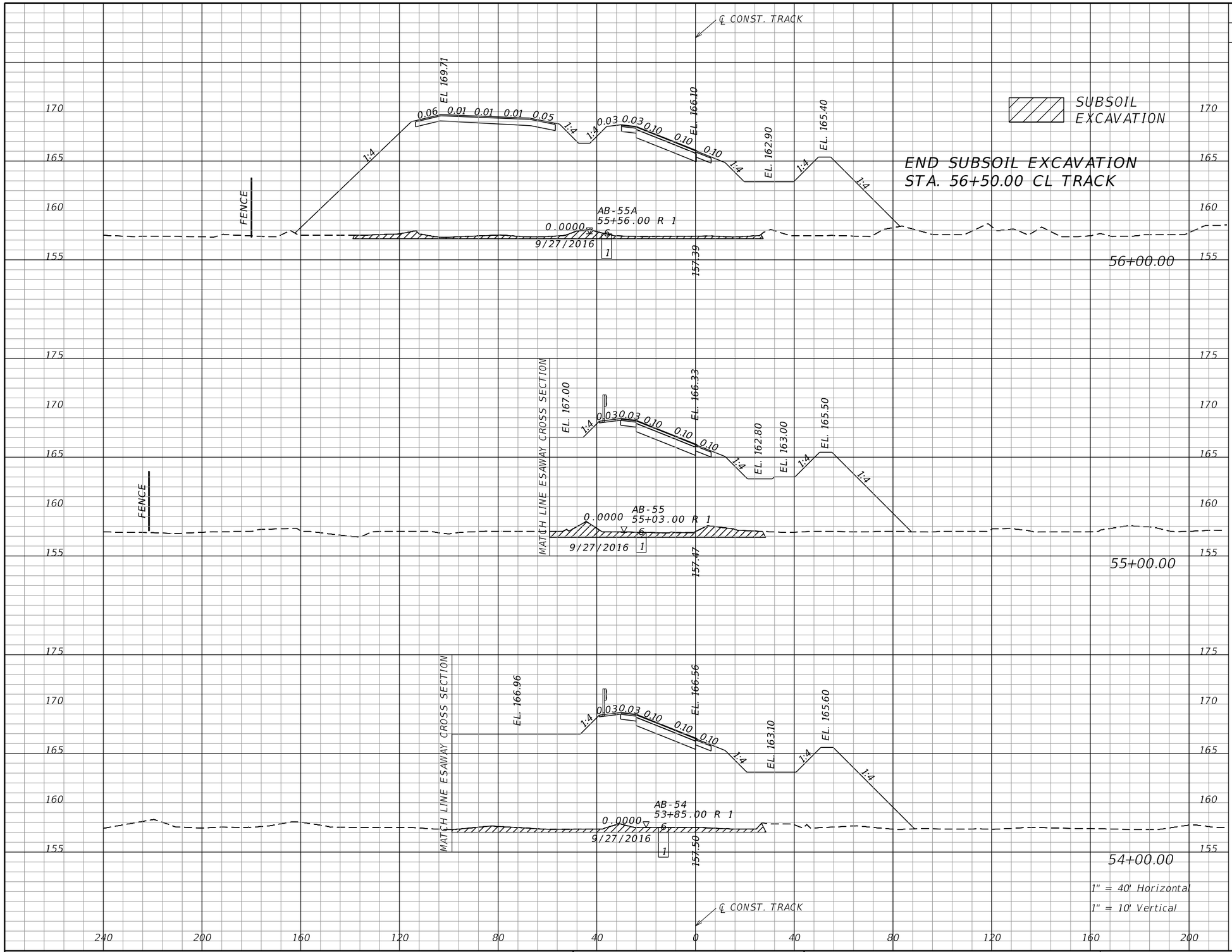
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 227



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
57		00		2012	
	224		00		5811
64		00		1126	
	228		00		4911
59		00		1526	
	228		00		6622

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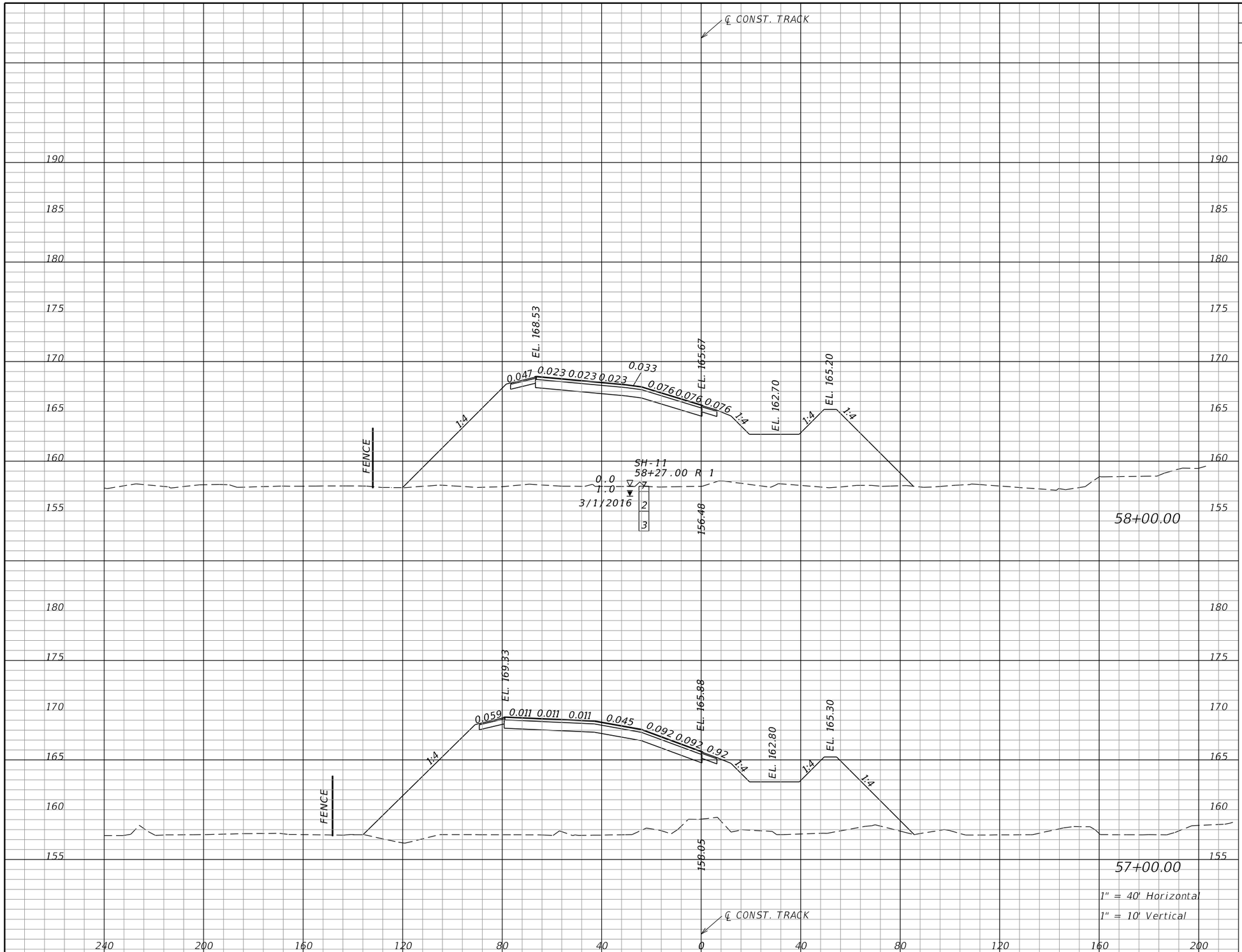
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 228



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		00		1371	
			00		5431
00		00		1562	
	106		00		6619

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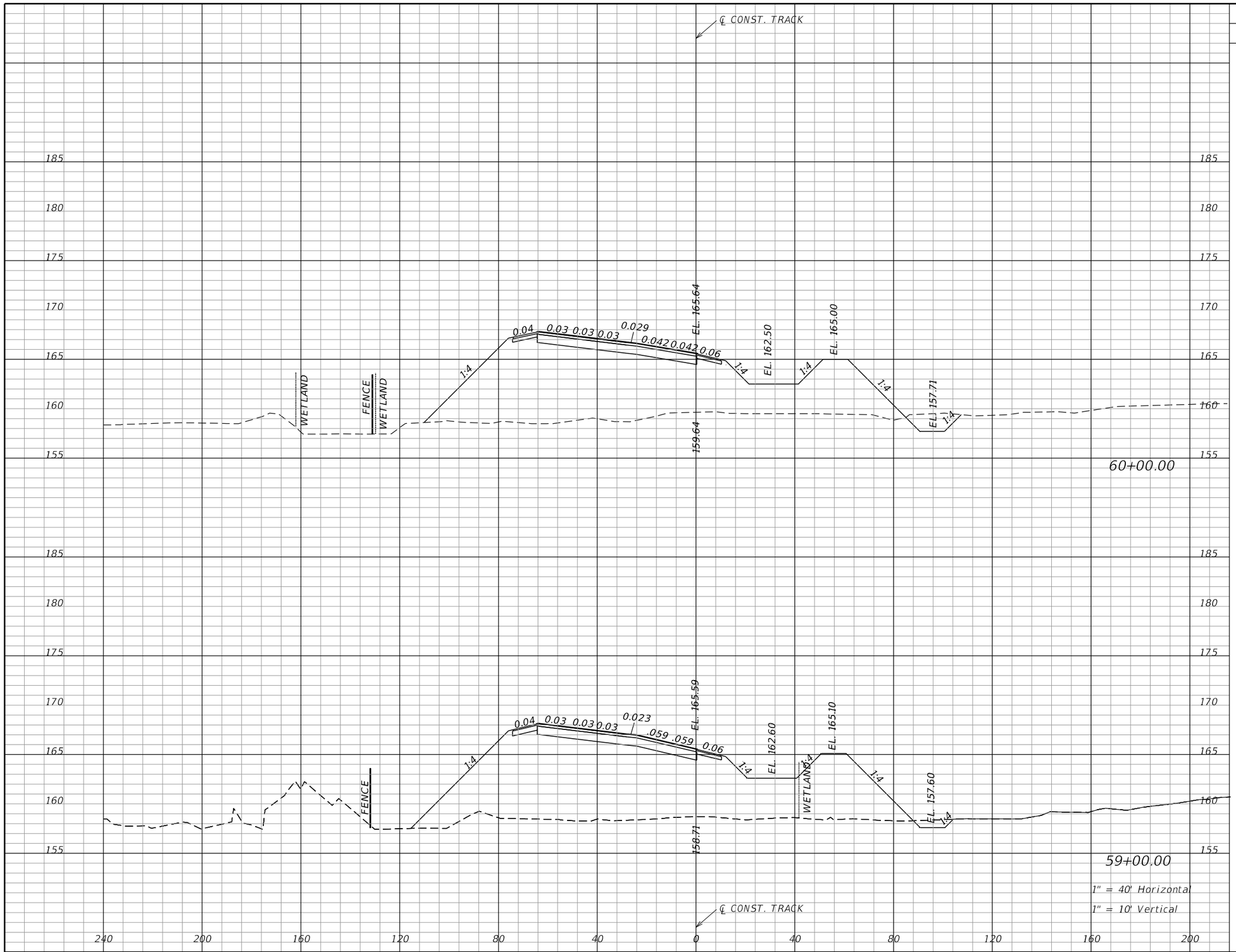
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 229

jbenavides 12/6/2016 2:22:35 PM H:\CADD\43710013201 Test Track\437300-1-32-01\2016.12.09 BCC FILES - Production Su



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		30		1001	
		74		4011	
		11		1165	
		19		4696	

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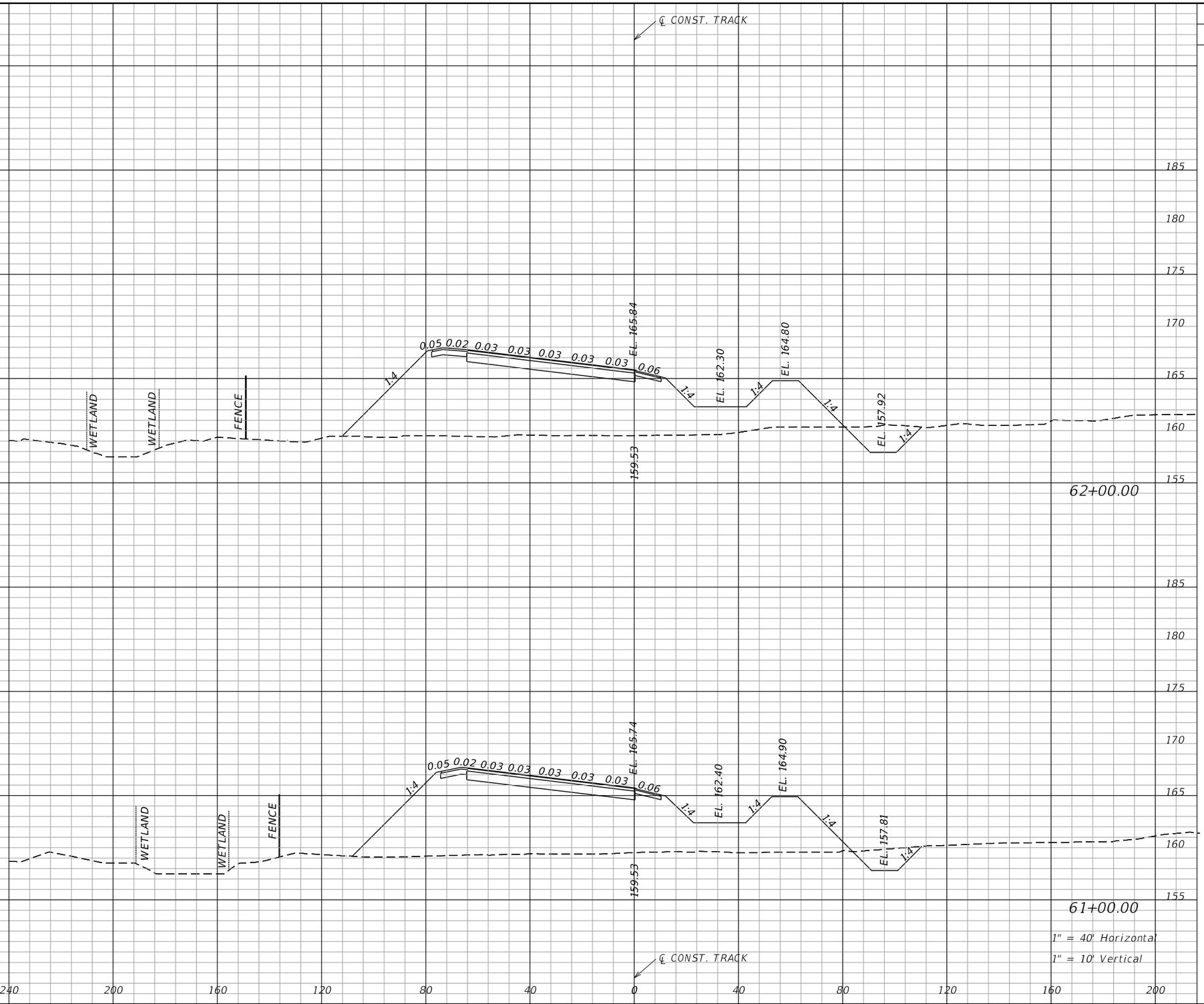
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 230



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		50		928	
		163		3446	
		38		933	
		126		3581	

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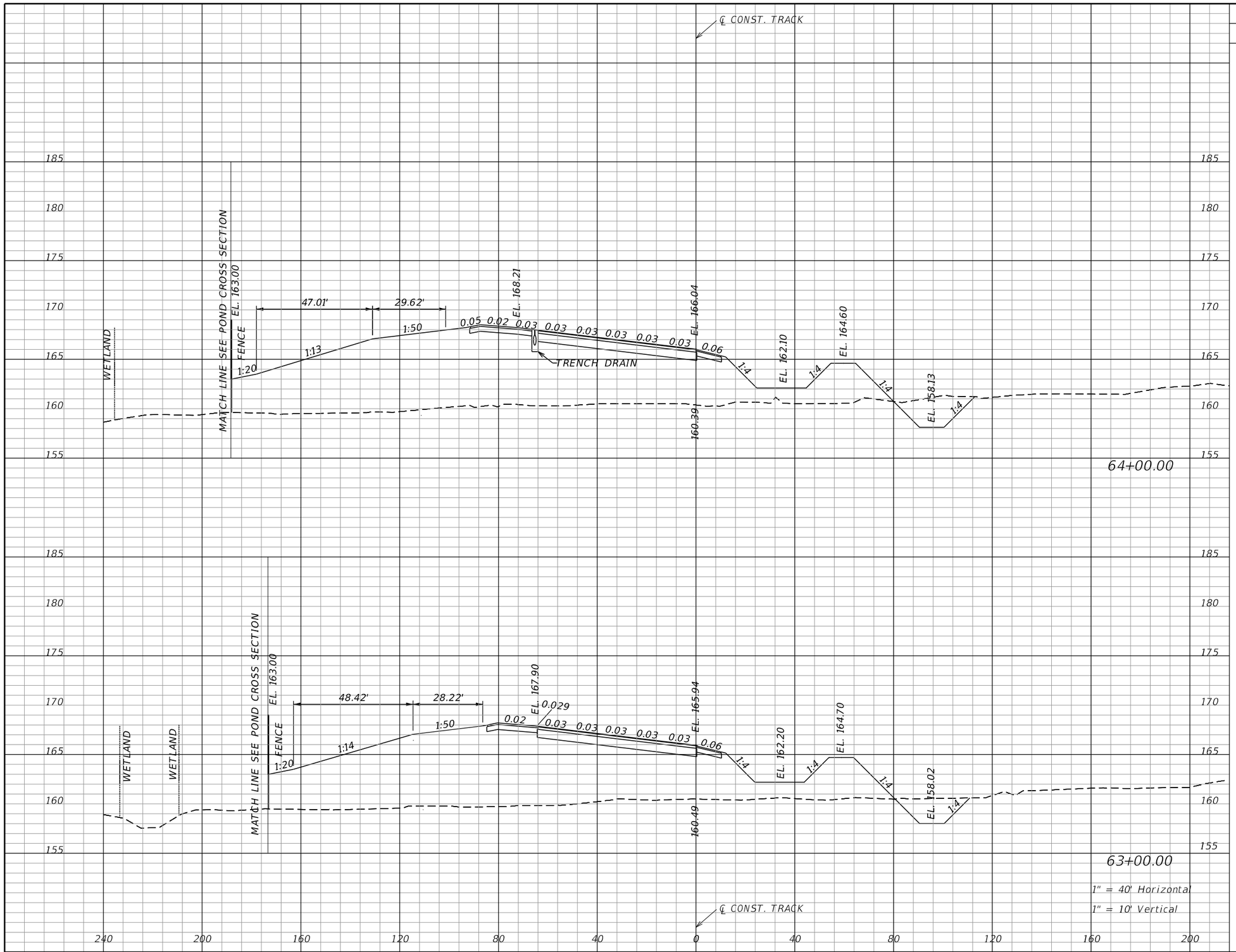
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 231



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		64		1380	
		213		4948	
		51		1292	
		187		4111	

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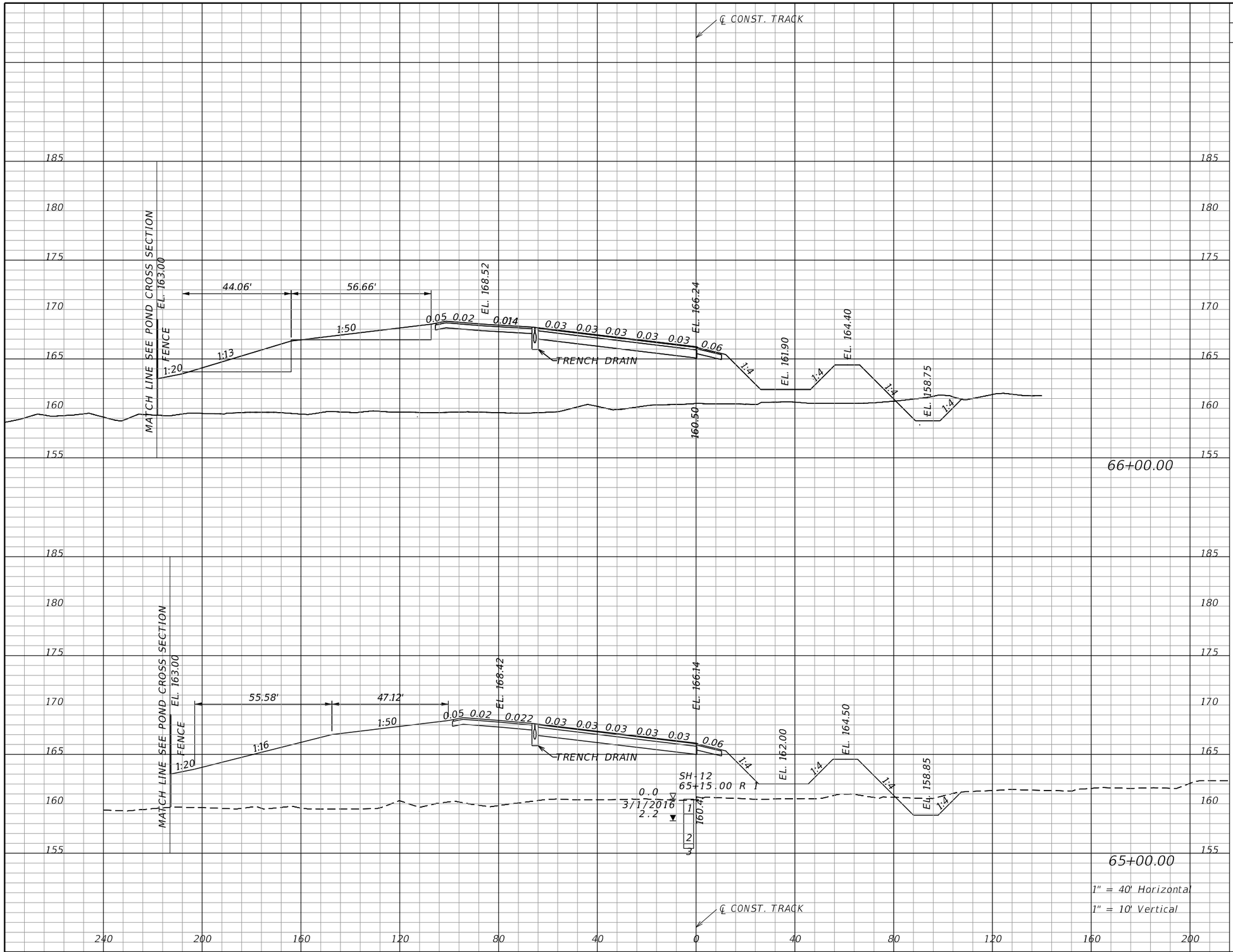
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 232



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		45		1706	
			143		6083
		32		1579	
			178		5480

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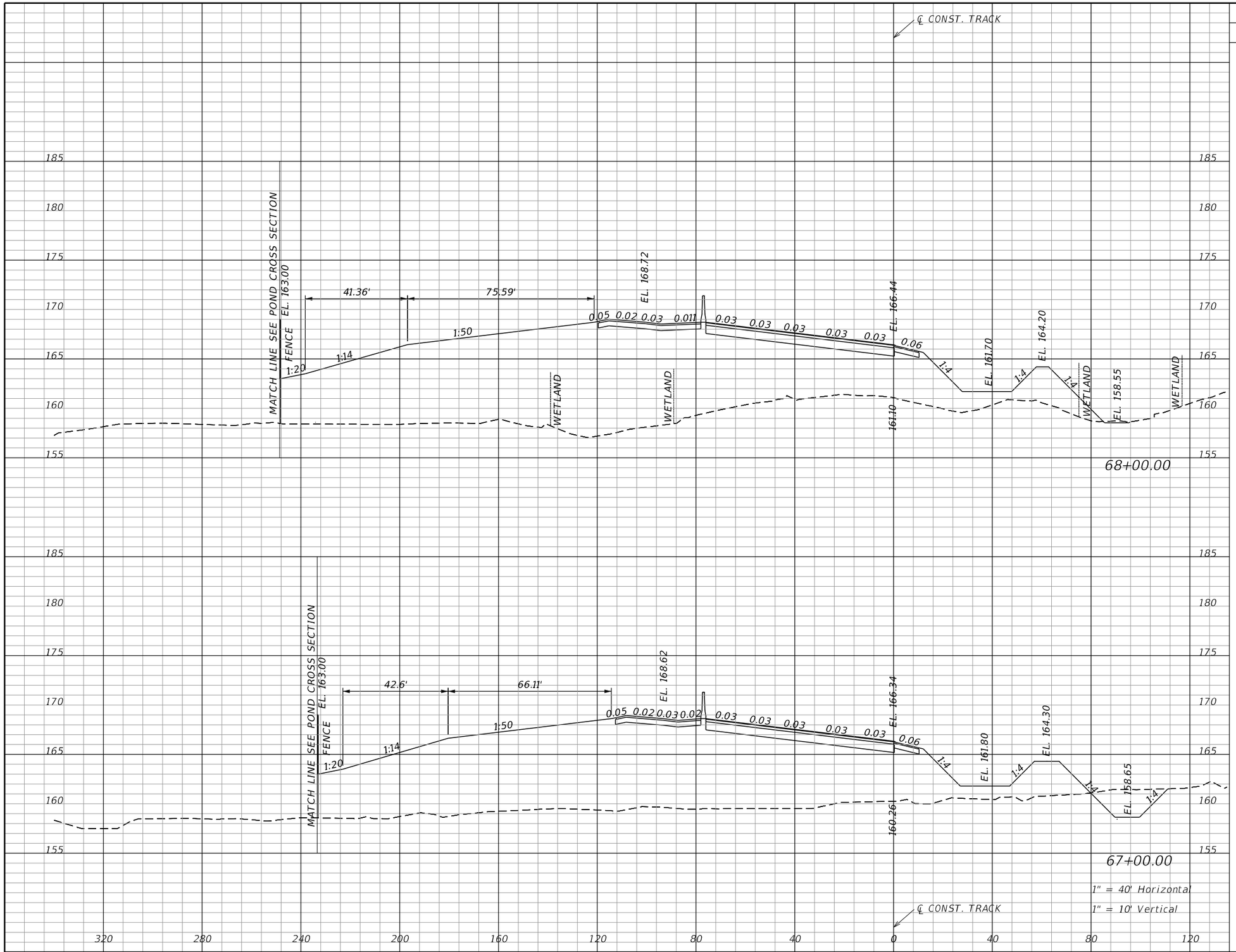
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 233



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		02		2132	
		111		7496	
		58		1916	
		191		6707	

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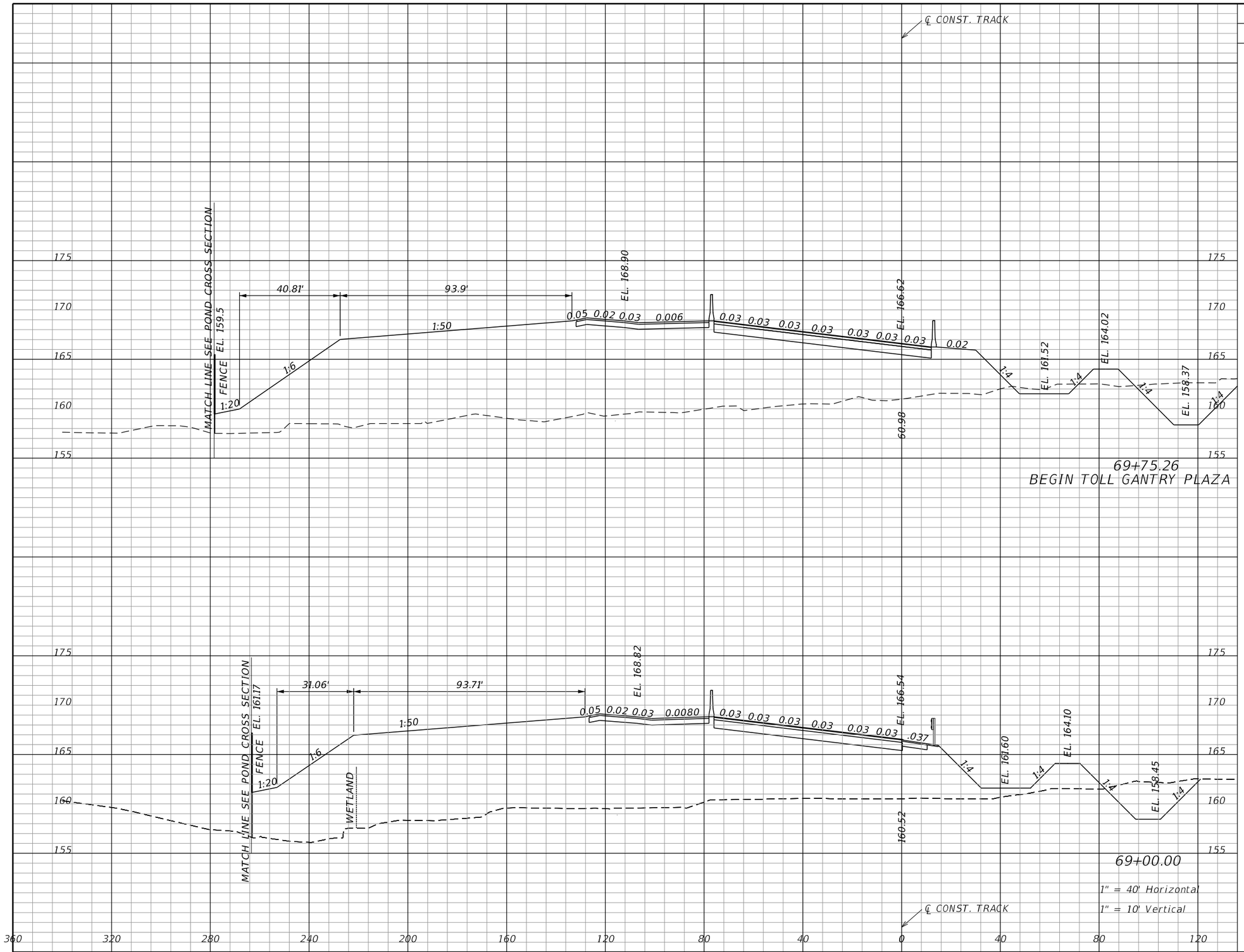
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 234



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		133		2262	
		314		6293	
		92		2253	
		174		8120	

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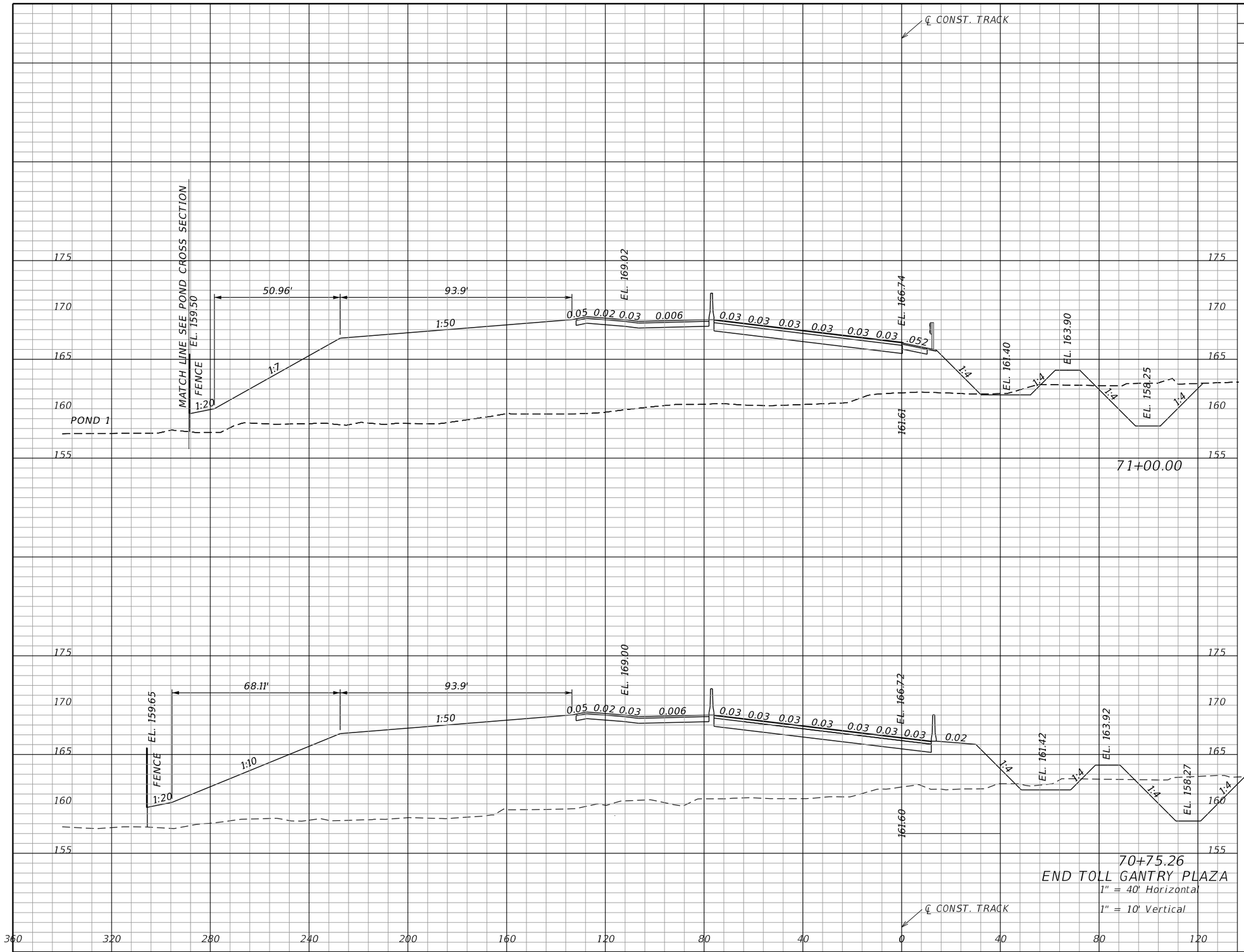
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 235



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		124		2208	
		120		2097	
		138		2369	
		502		8576	

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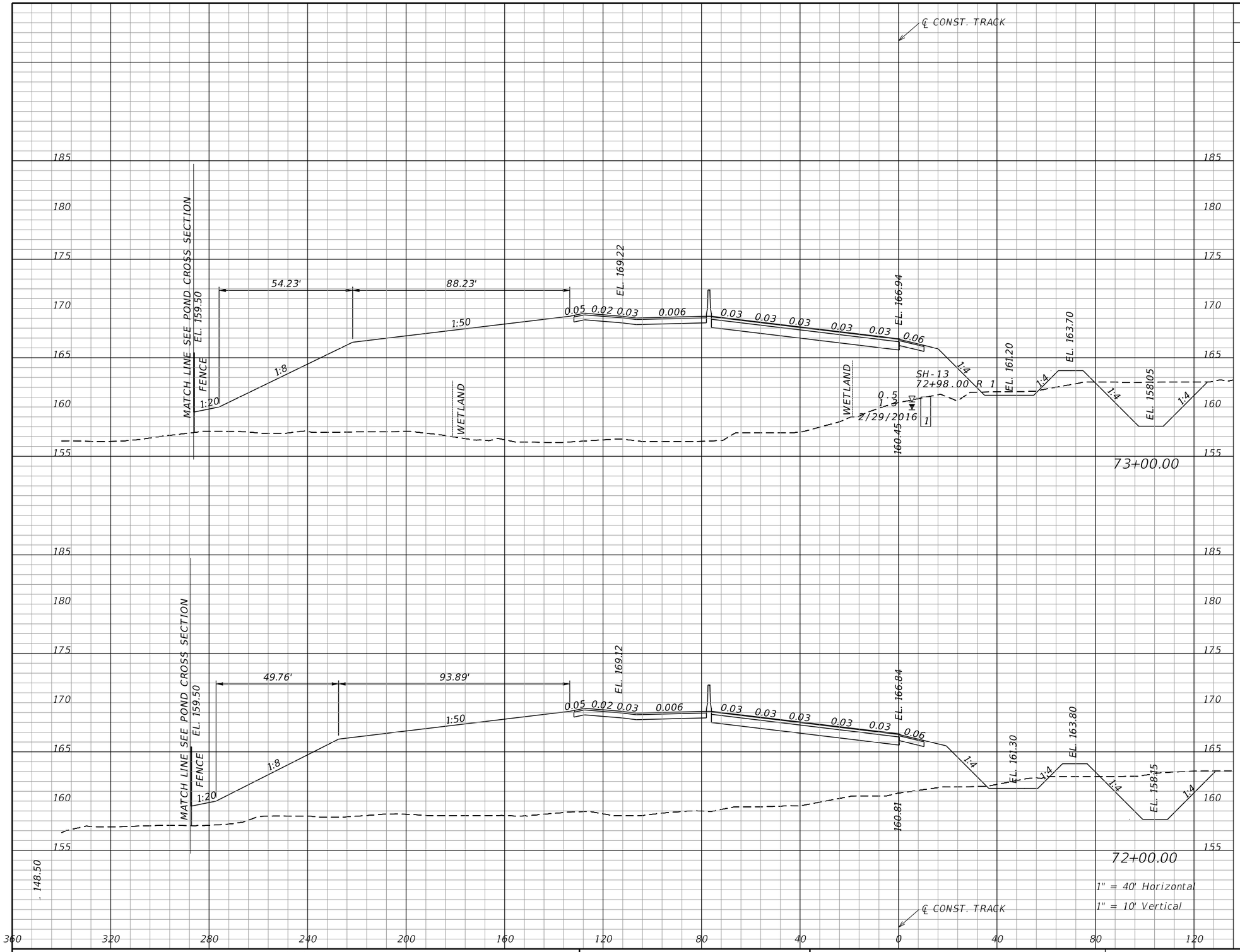
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 236



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		133		2818	
		149	522	2358	9585
			506		8456

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS

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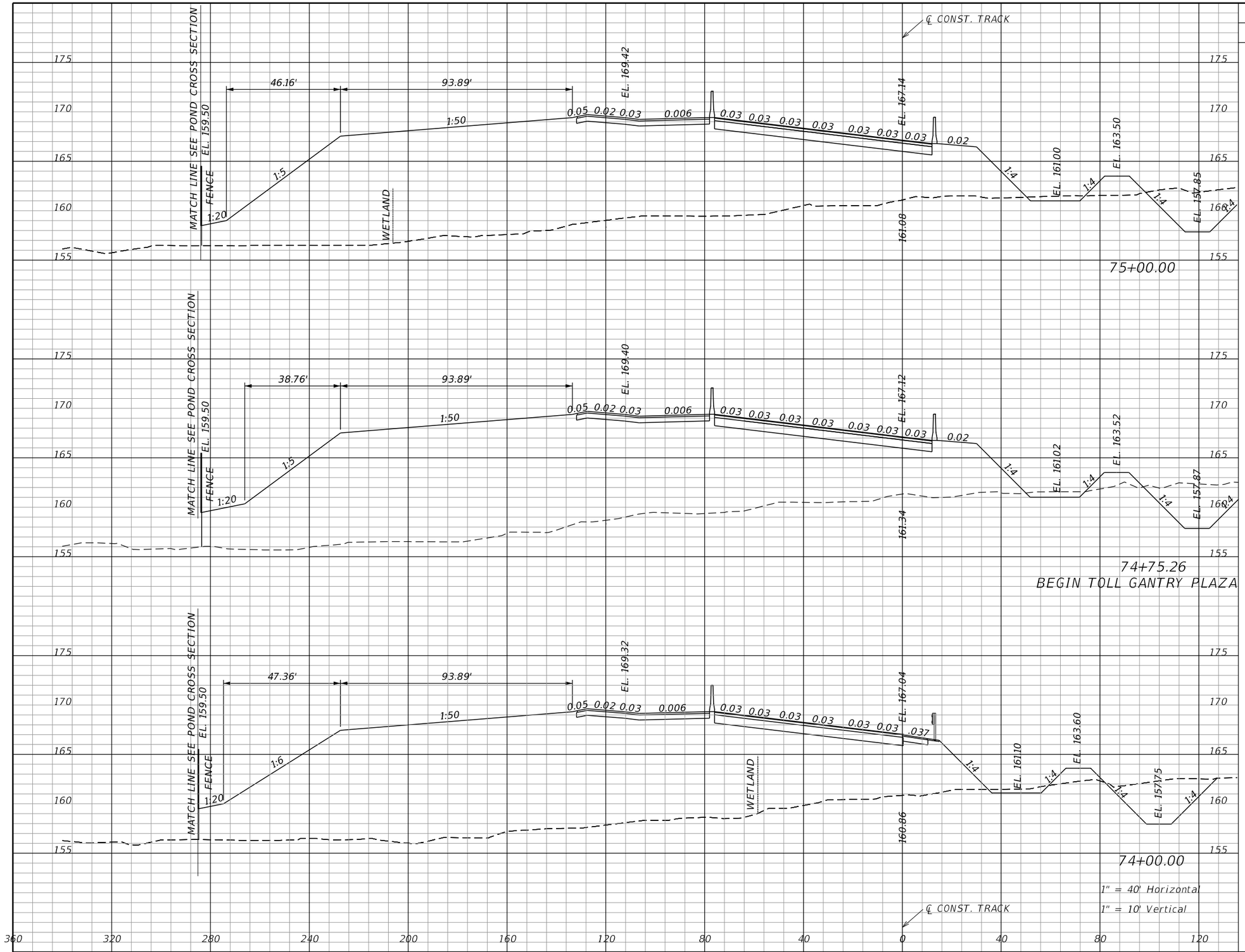
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 237



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		126		2695	
		351		7613	
		127		2786	
		481		10378	

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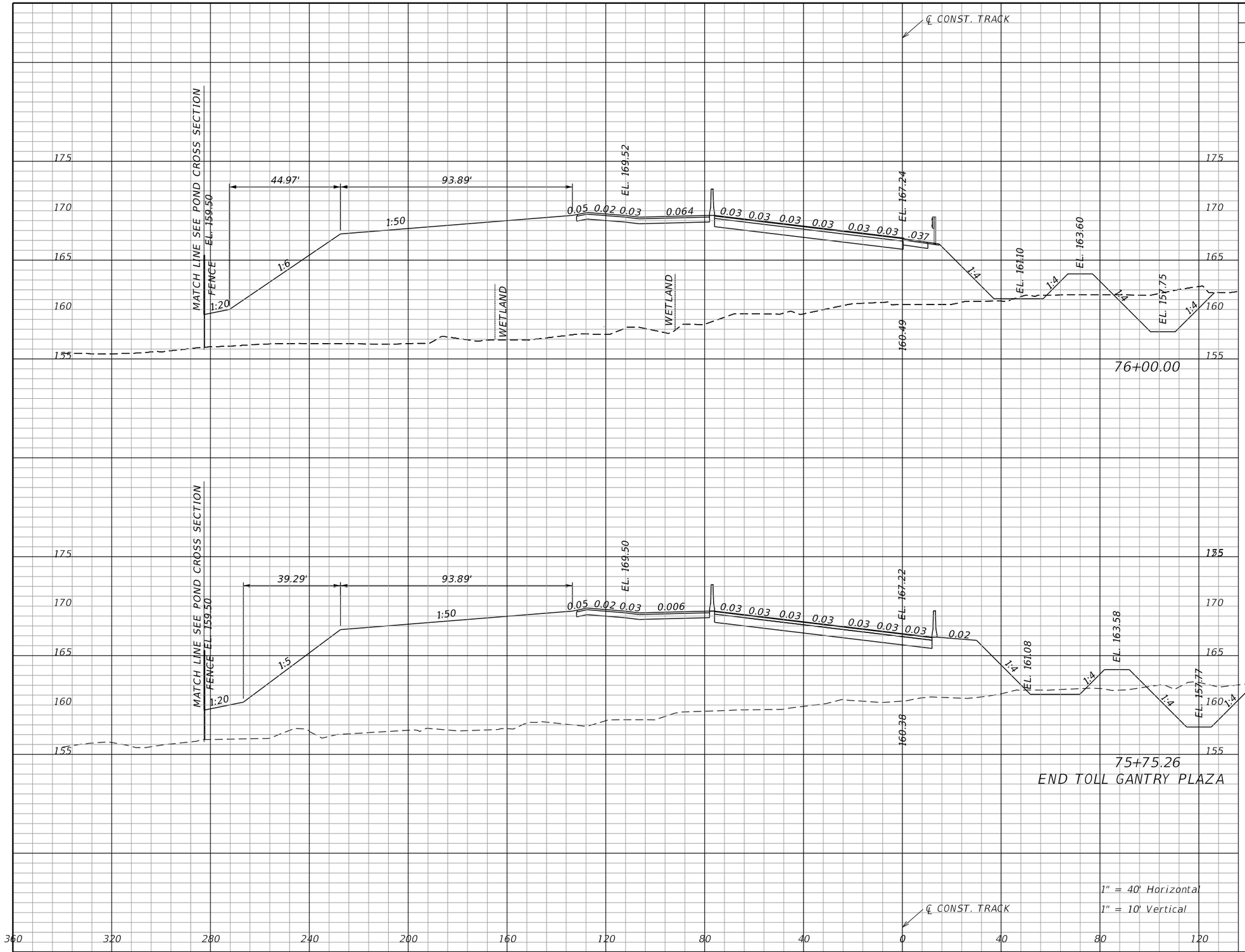
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 238



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		128		2847	
			116		2633
		125		2901	
			466		10390

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STATE OF FLORIDA
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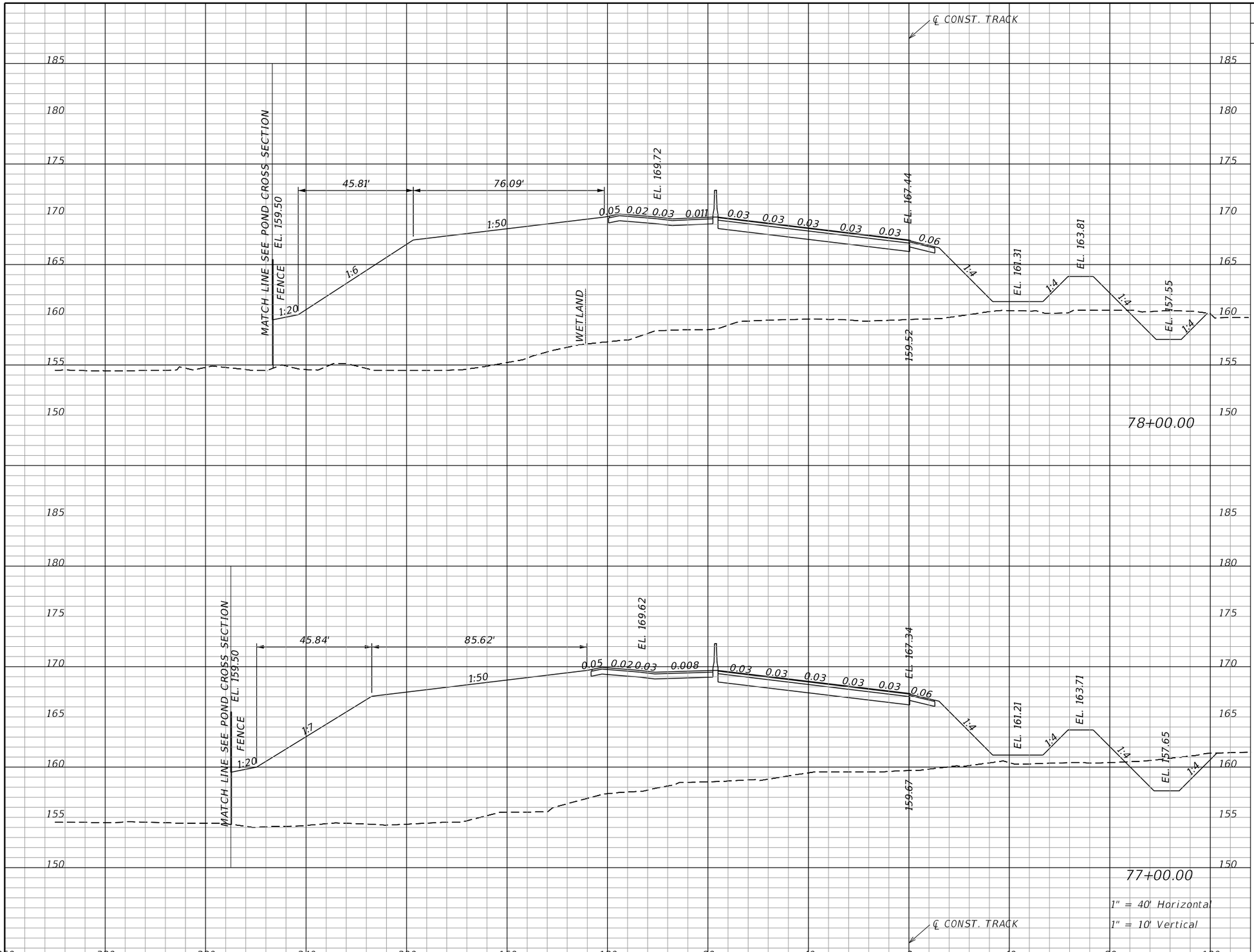
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 239



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		59		2830	
		248		10907	
		75		3060	
		376		10939	

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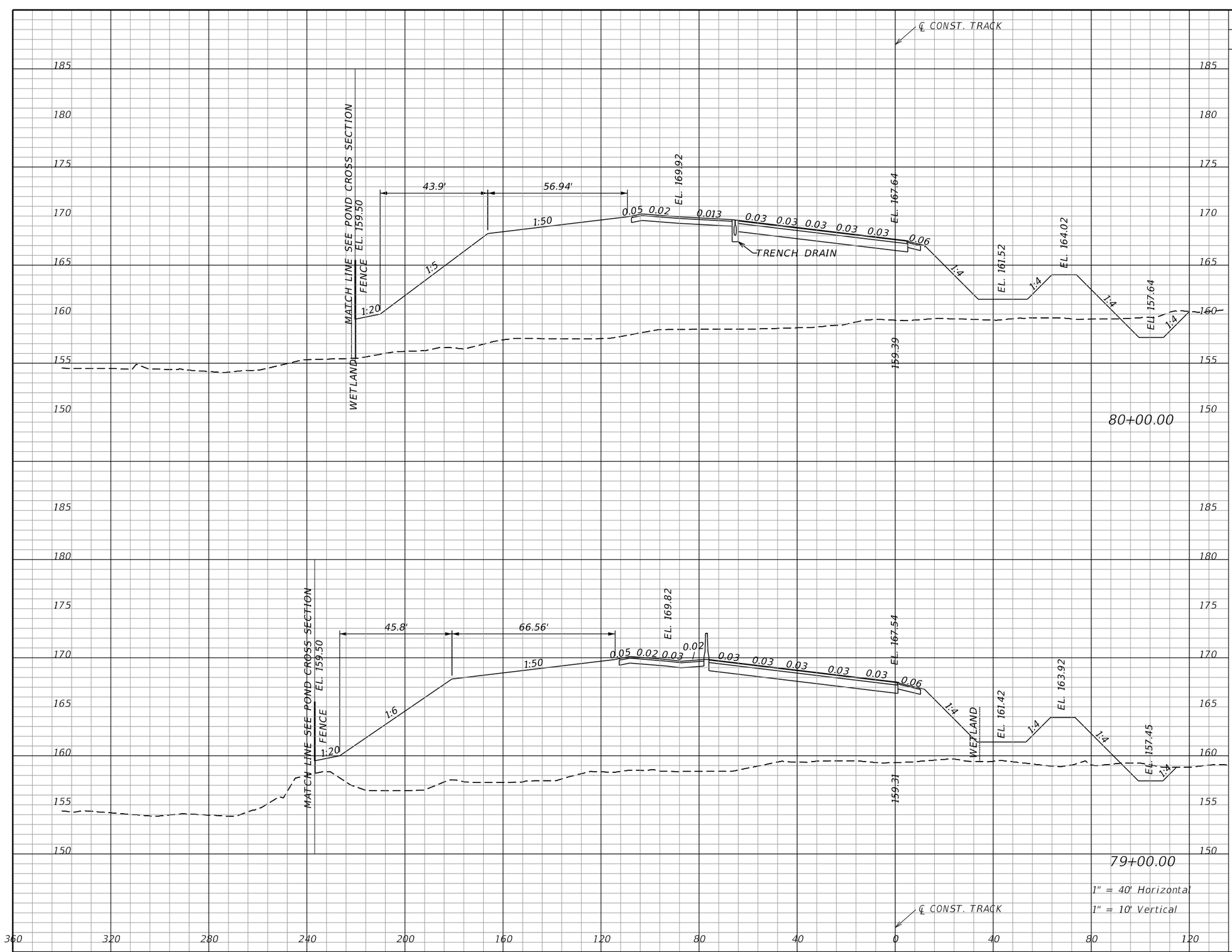
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 240



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		42		2353	
			128		9107
		27		2491	
			159		9854

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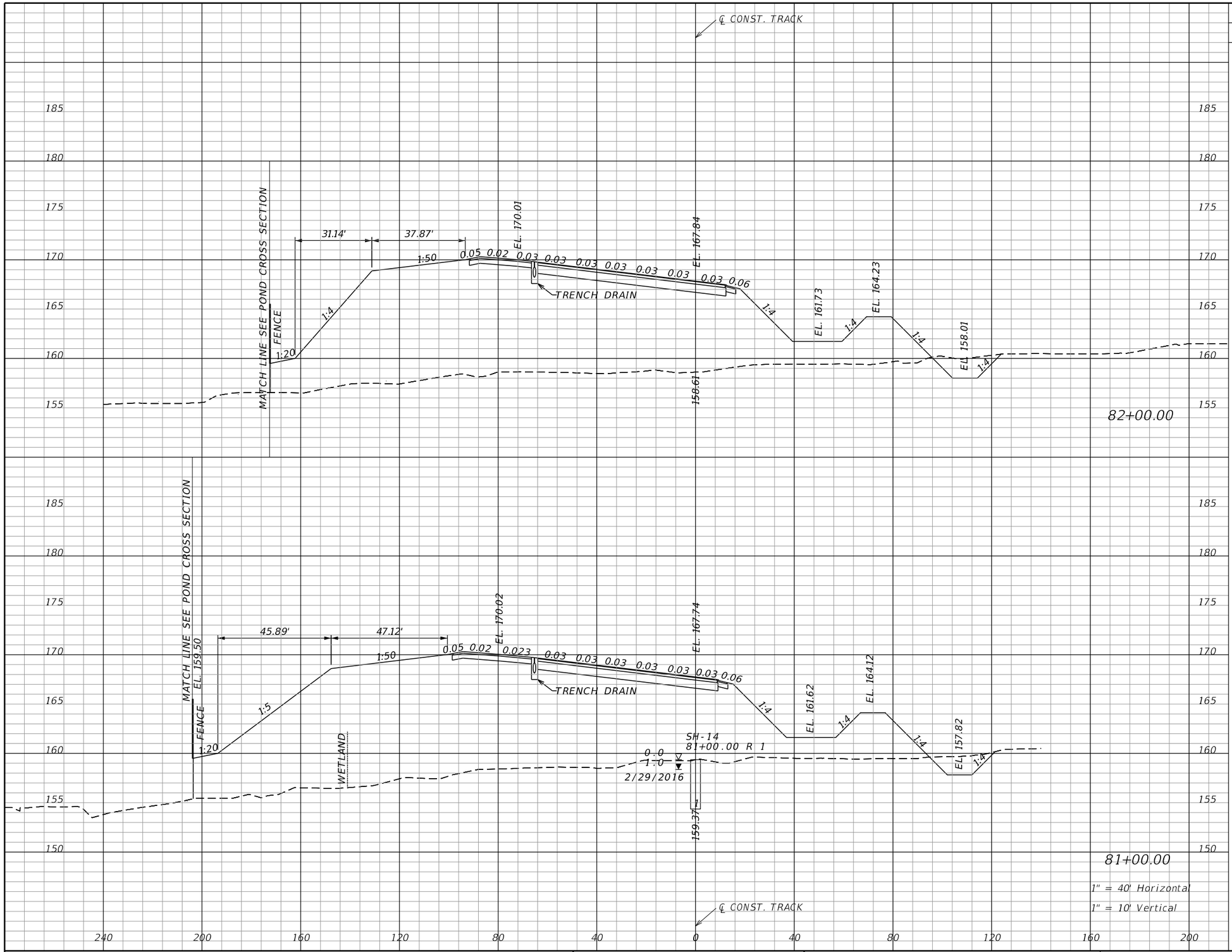
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 241



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		40		2002	
			137		7915
		34		2272	
			141		8565

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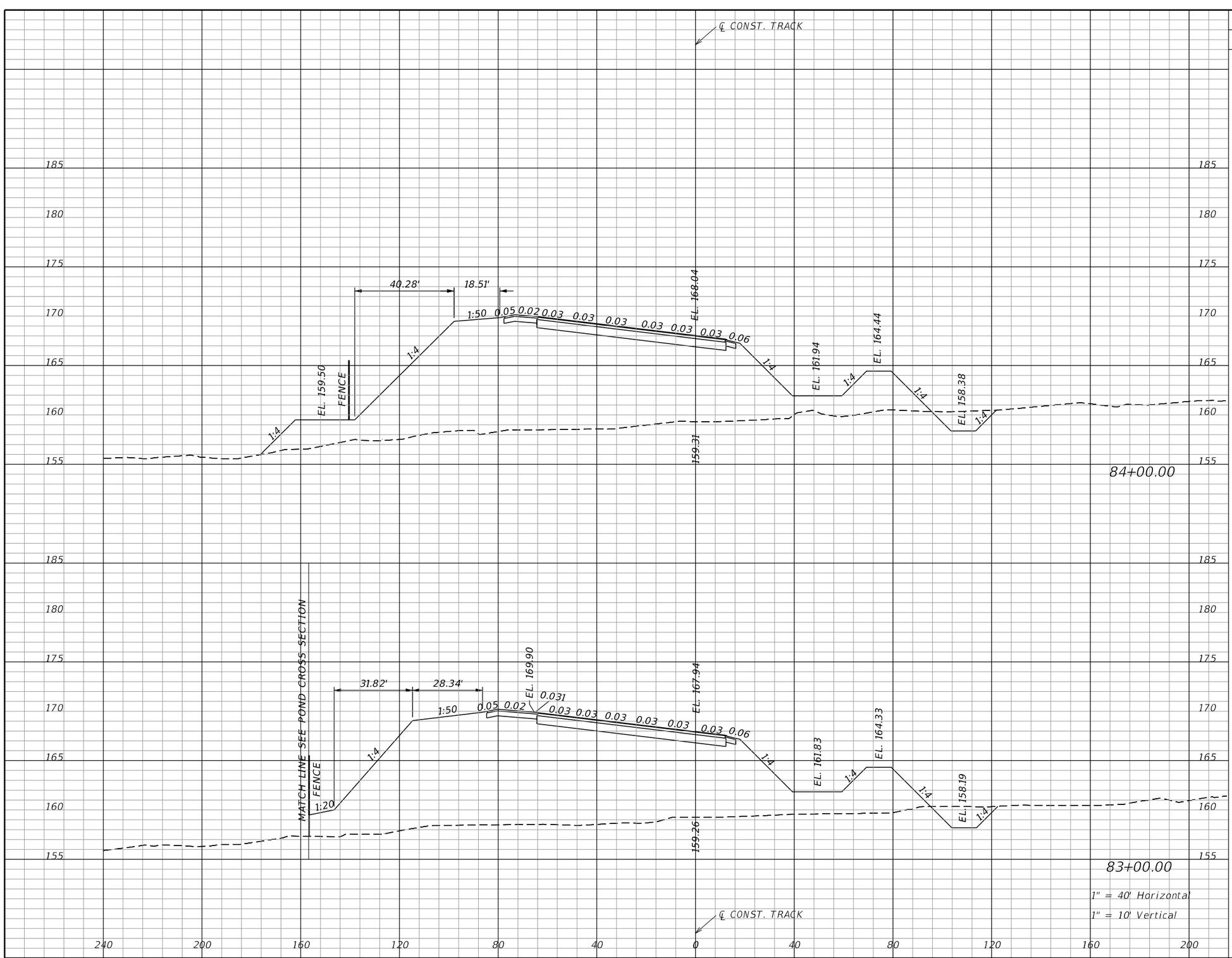
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 242



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		36		1726	
			141		6481
		40		1774	
			147		6993

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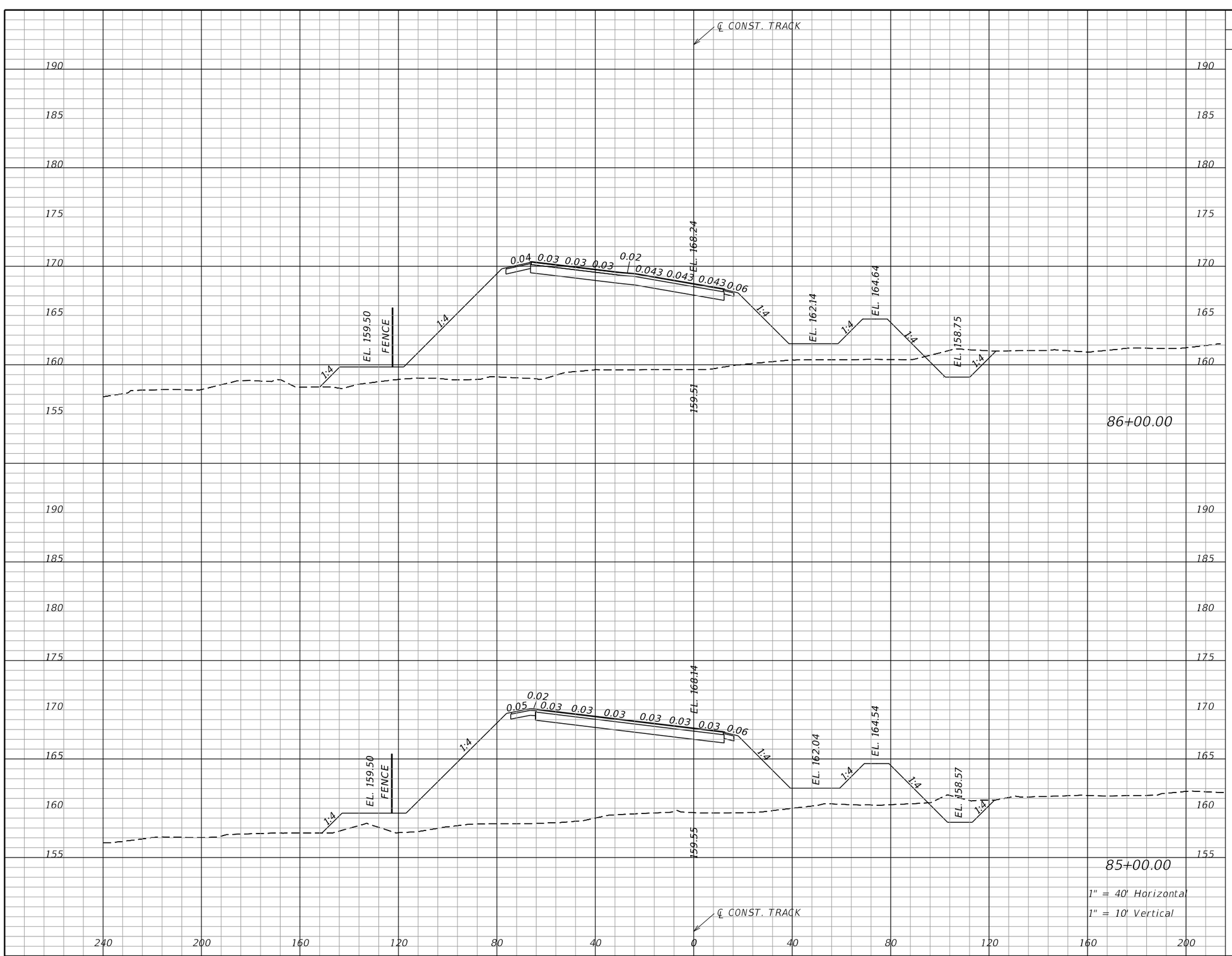
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 243



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
	155	53		1413	
			182		5281
		46		1439	
			151		5861

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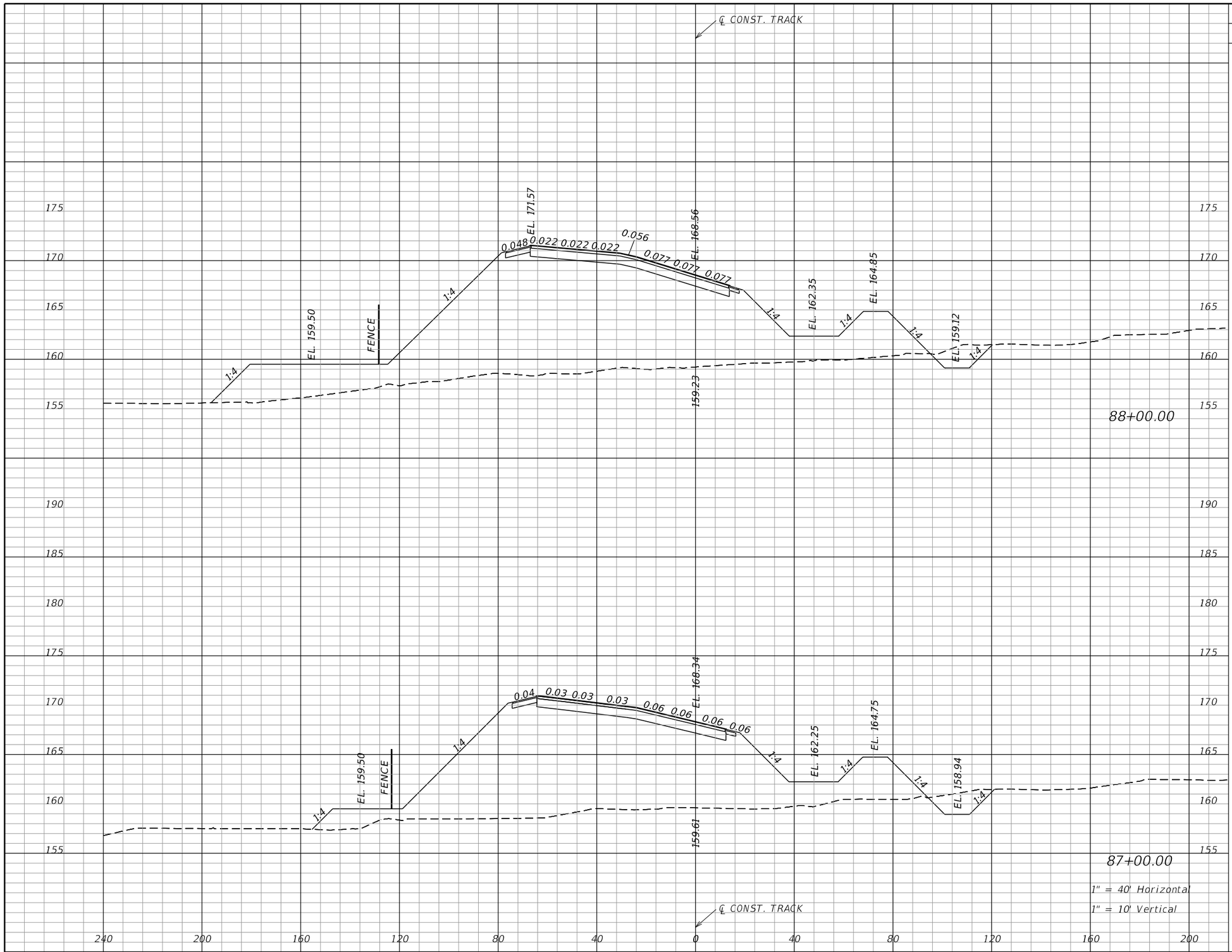
CROSS SECTIONS
TRACK

SHEET NO. 244



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		37		1850	
			142		6225
		40		1512	
			172		5417

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

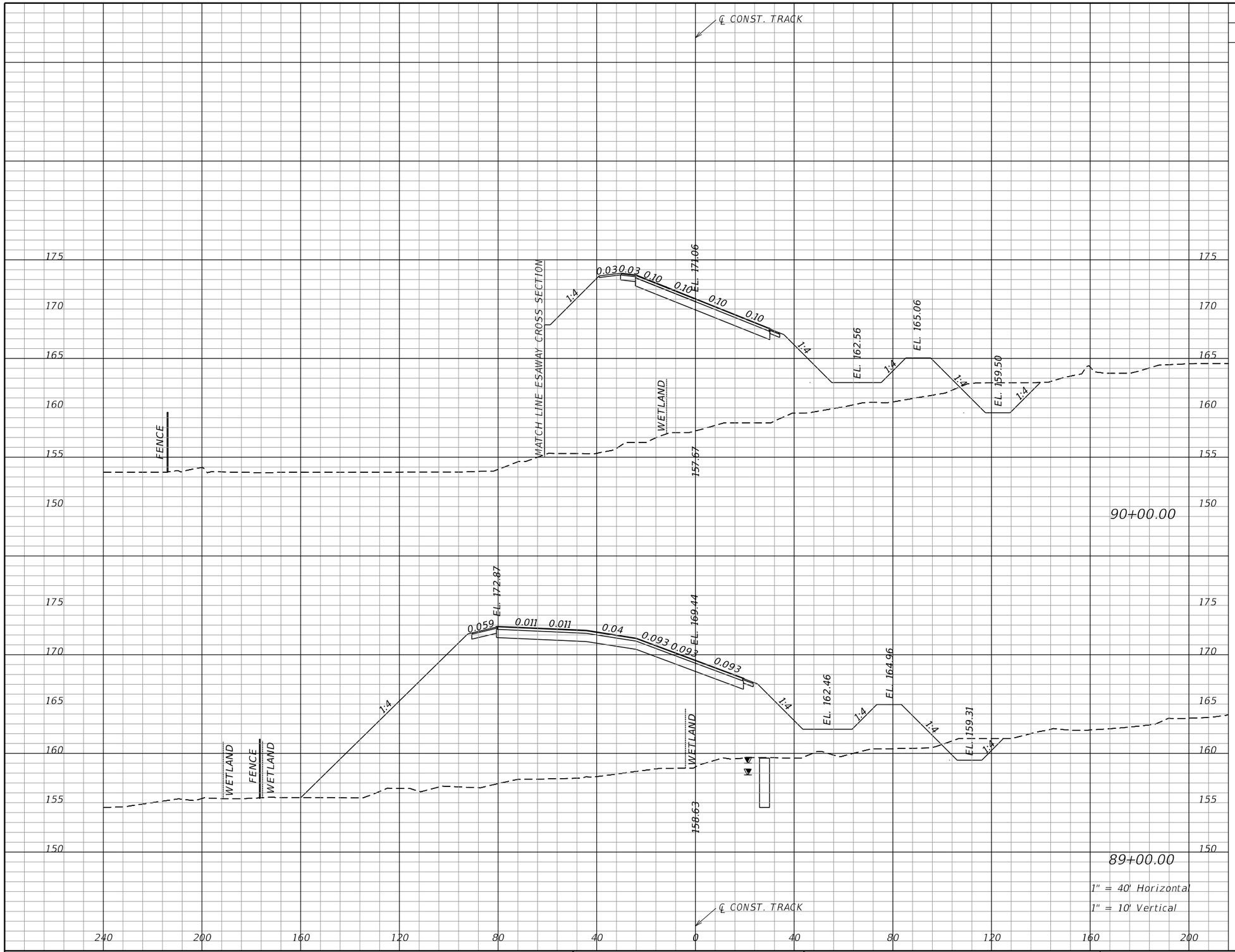
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 245



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		59		3340	
			176		10238
		36		2188	
			134		7478

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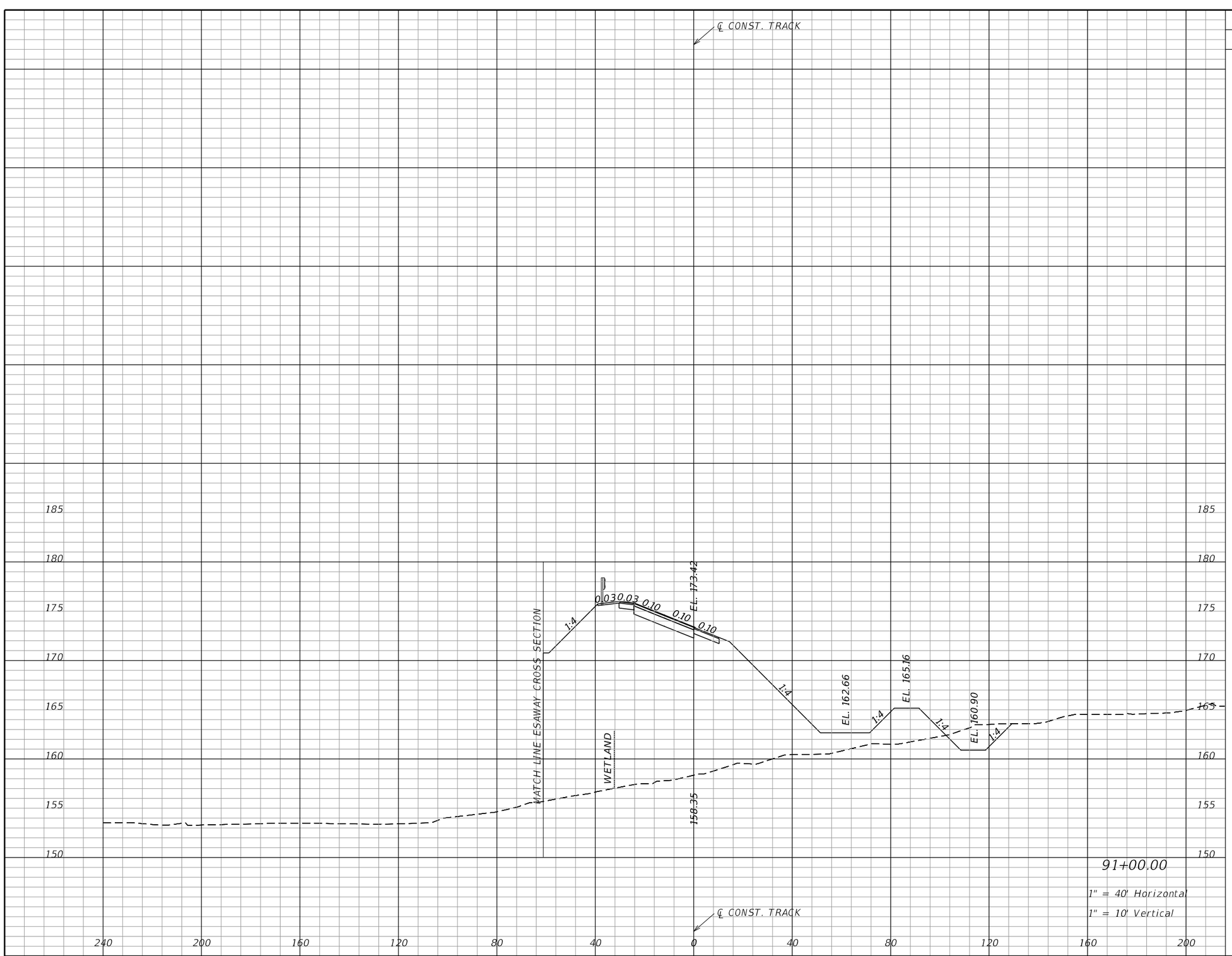
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 246



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		43		1595	
		189		9139	

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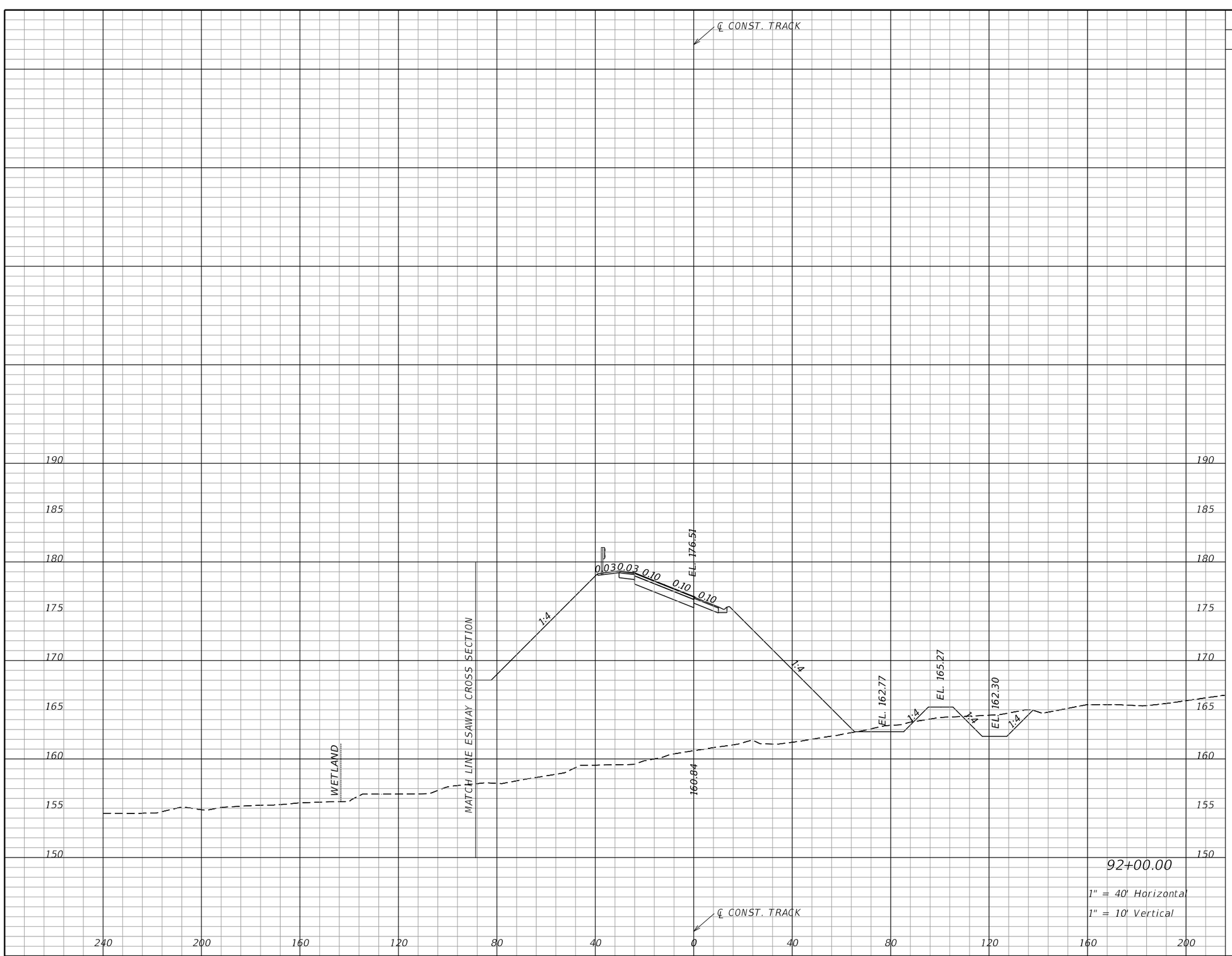
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 247



92+00.00

1" = 40' Horizontal

1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		53		1981	
			178		6623

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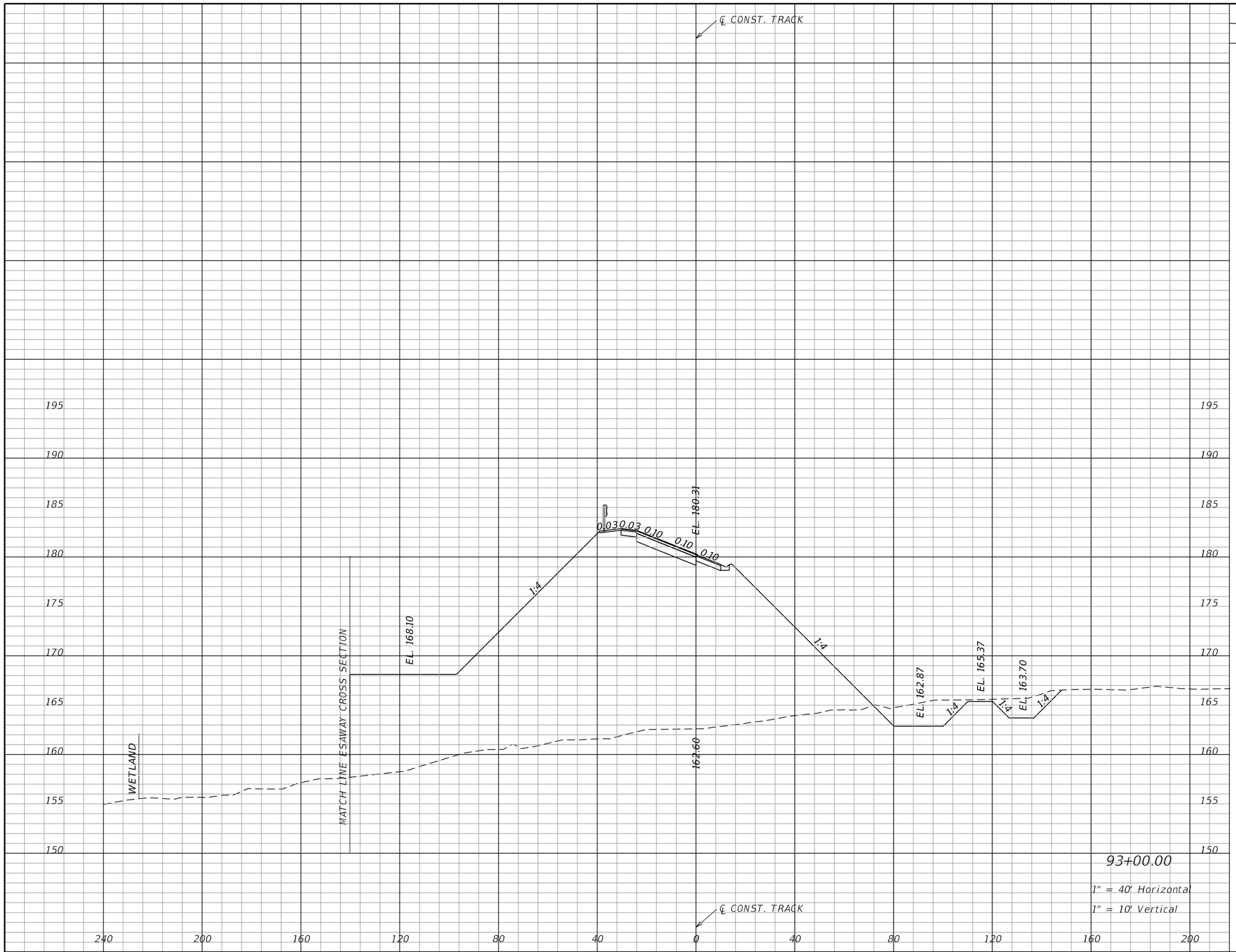
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 248



93+00.00

1" = 40' Horizontal

1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		110		2686	
			302		8643

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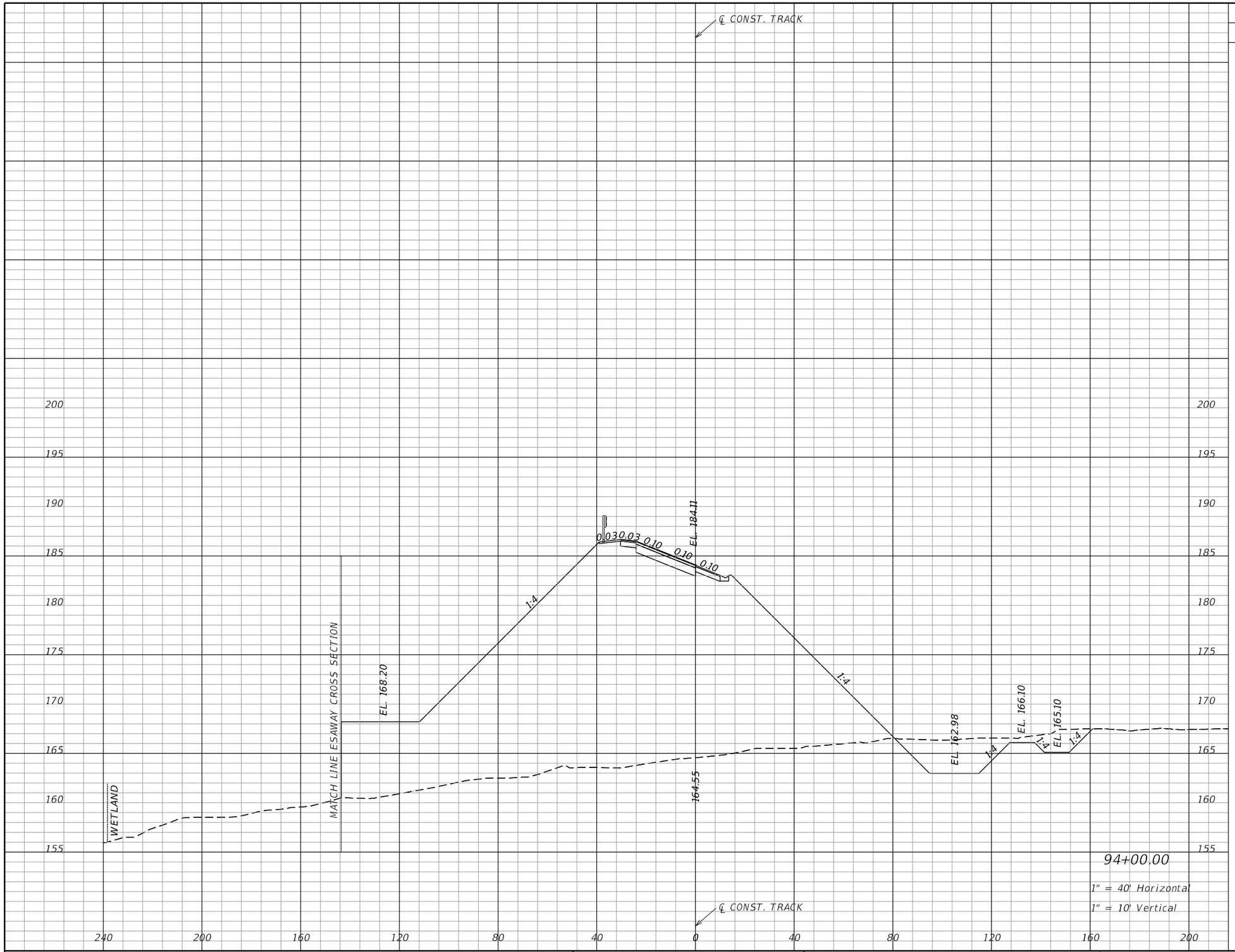
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 249



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		160		2980	
		501		10493	

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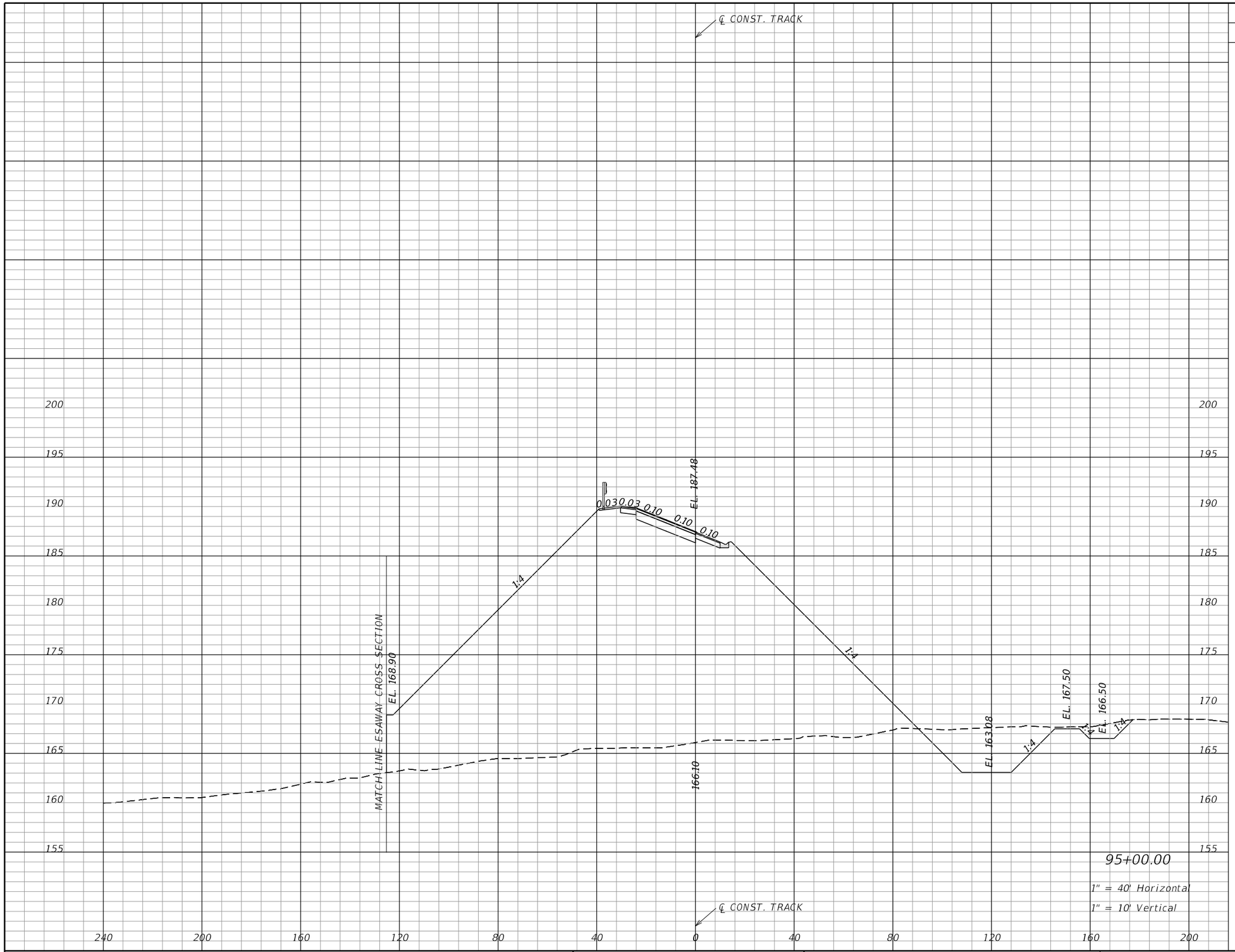
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 250



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		171		3220	
		614		11482	

REVISIONS			
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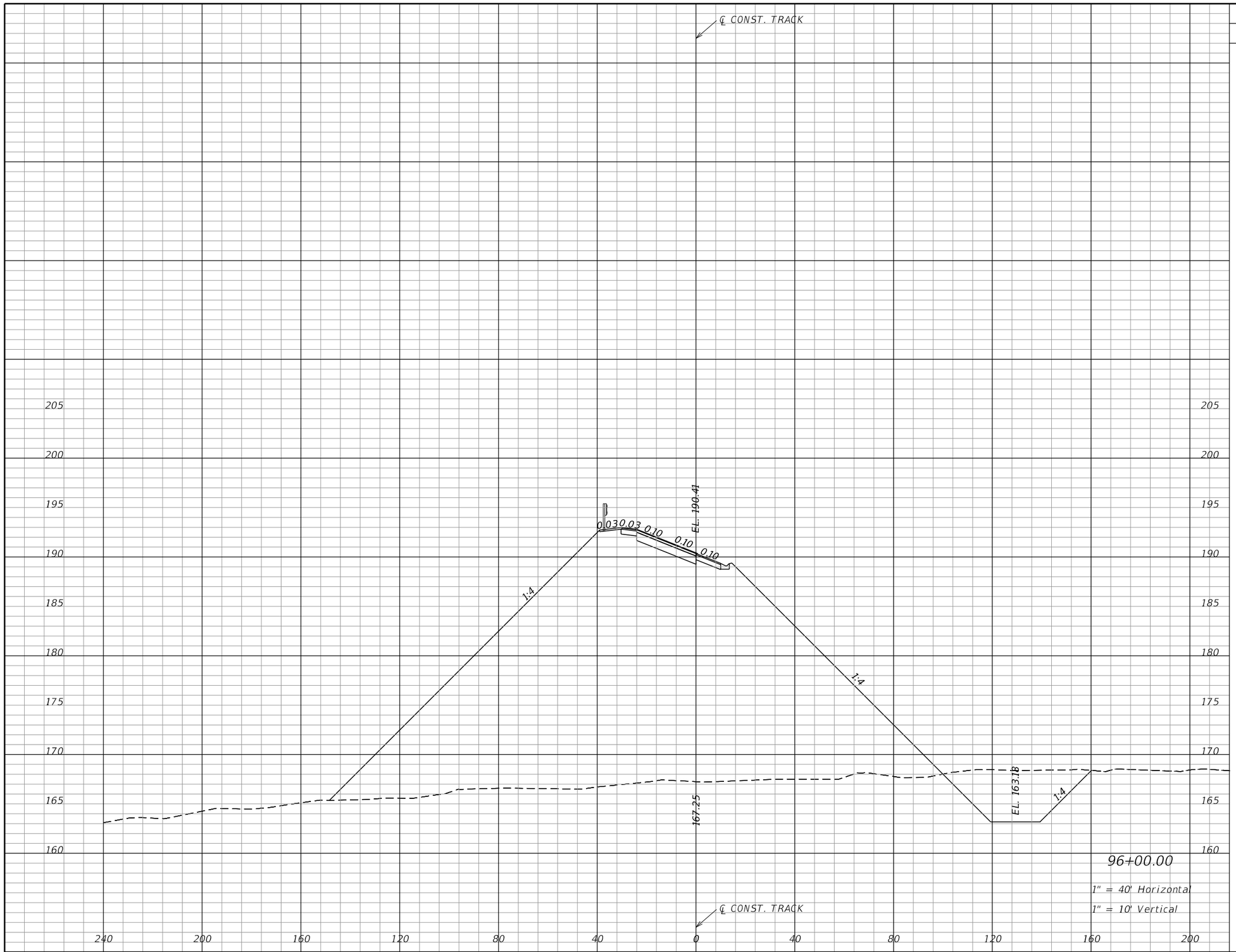
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 251

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



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		212		3610	
			710		12648

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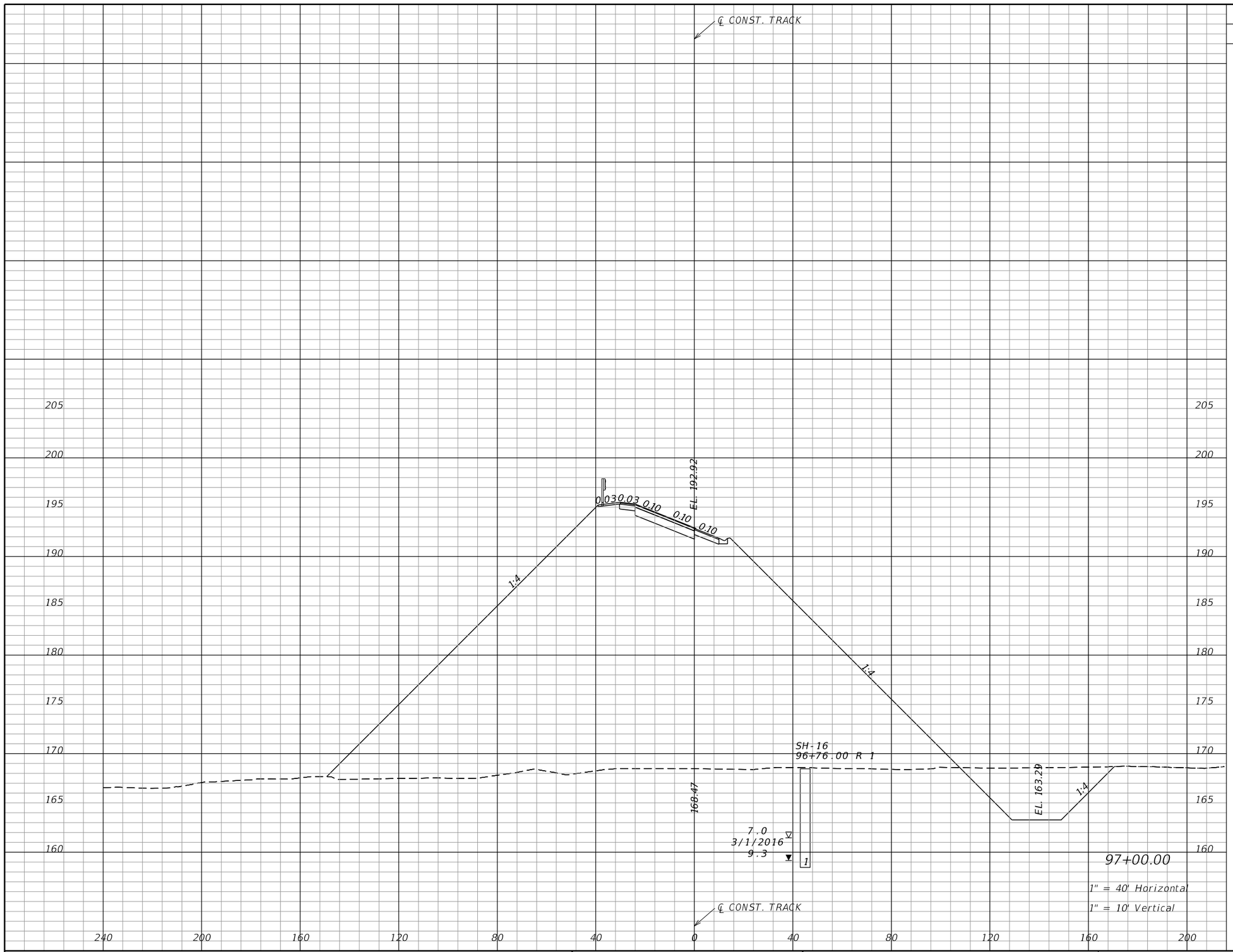
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 252



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		218		3924	
		797		13953	

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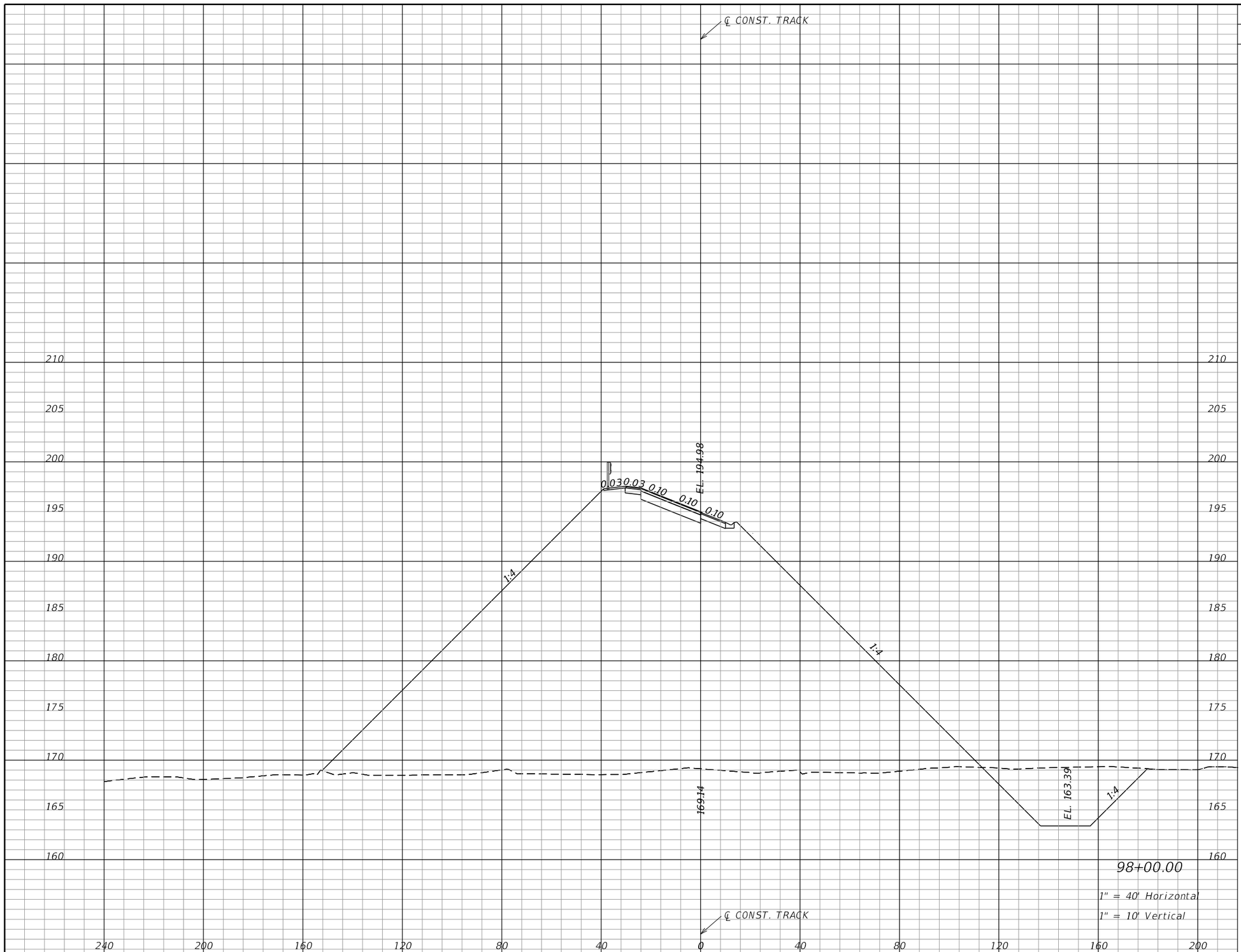
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 253



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		254		4301	
		875		15232	

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STATE OF FLORIDA
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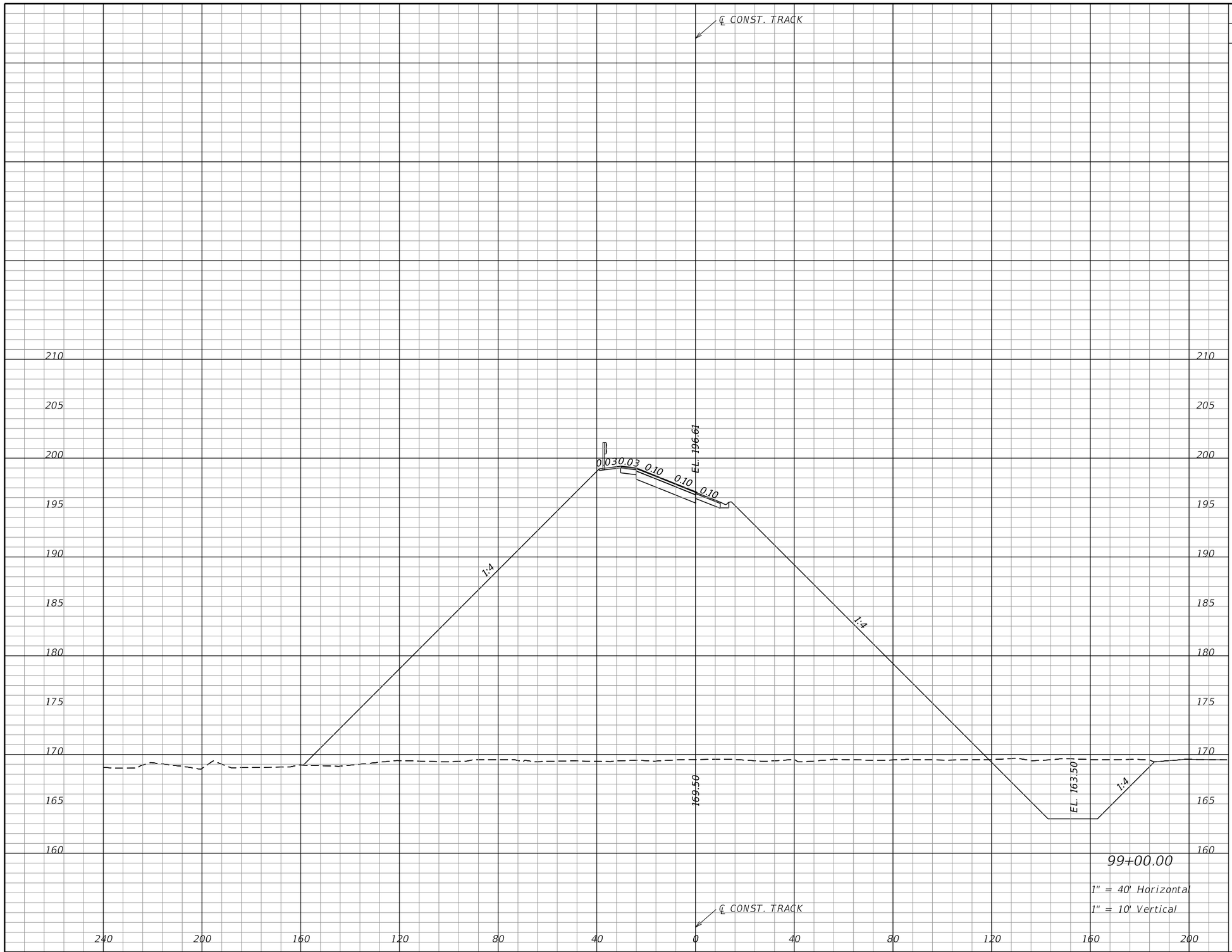
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 254



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		263		4580	
			959		16445

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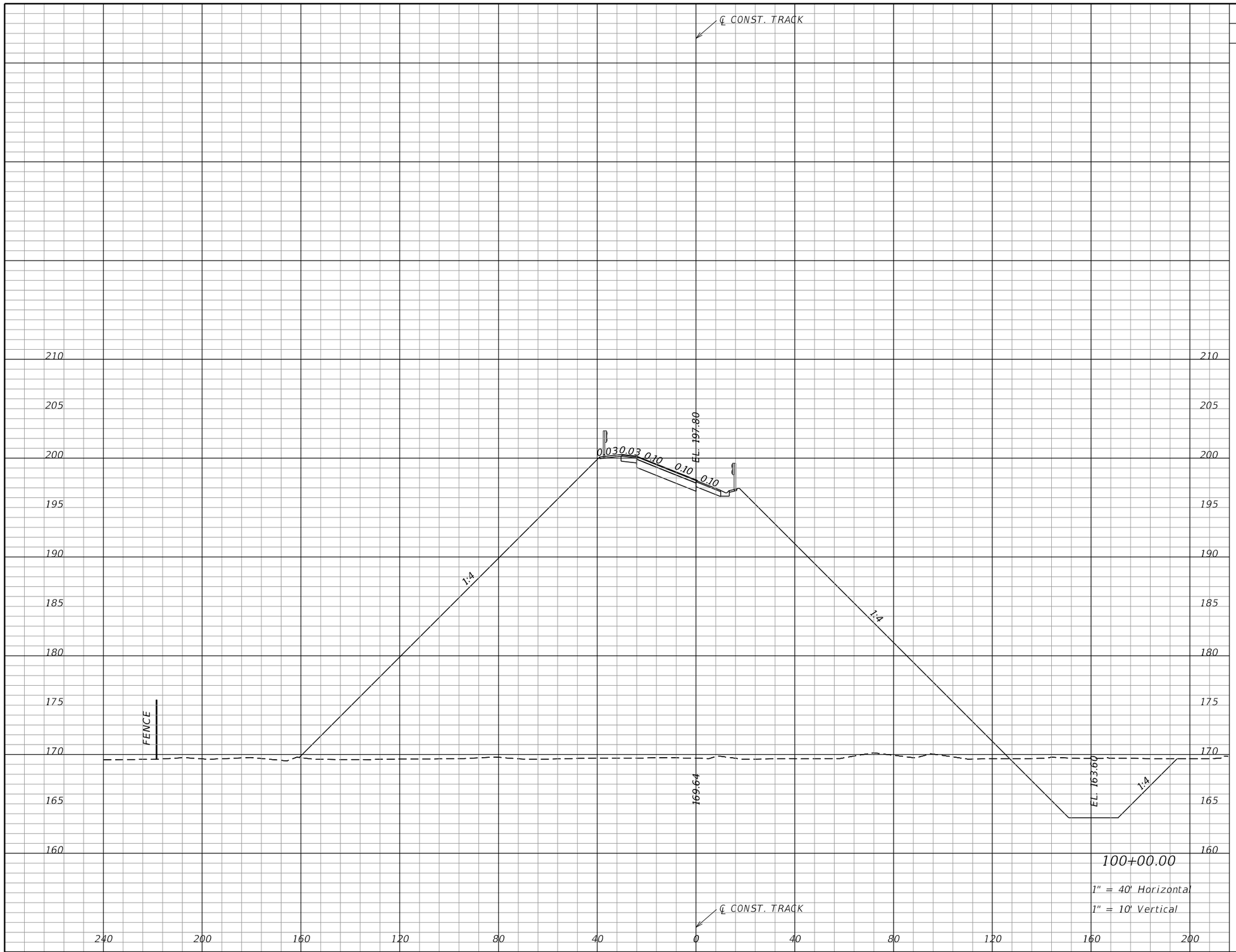
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 255



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		265		4945	
			978		17638

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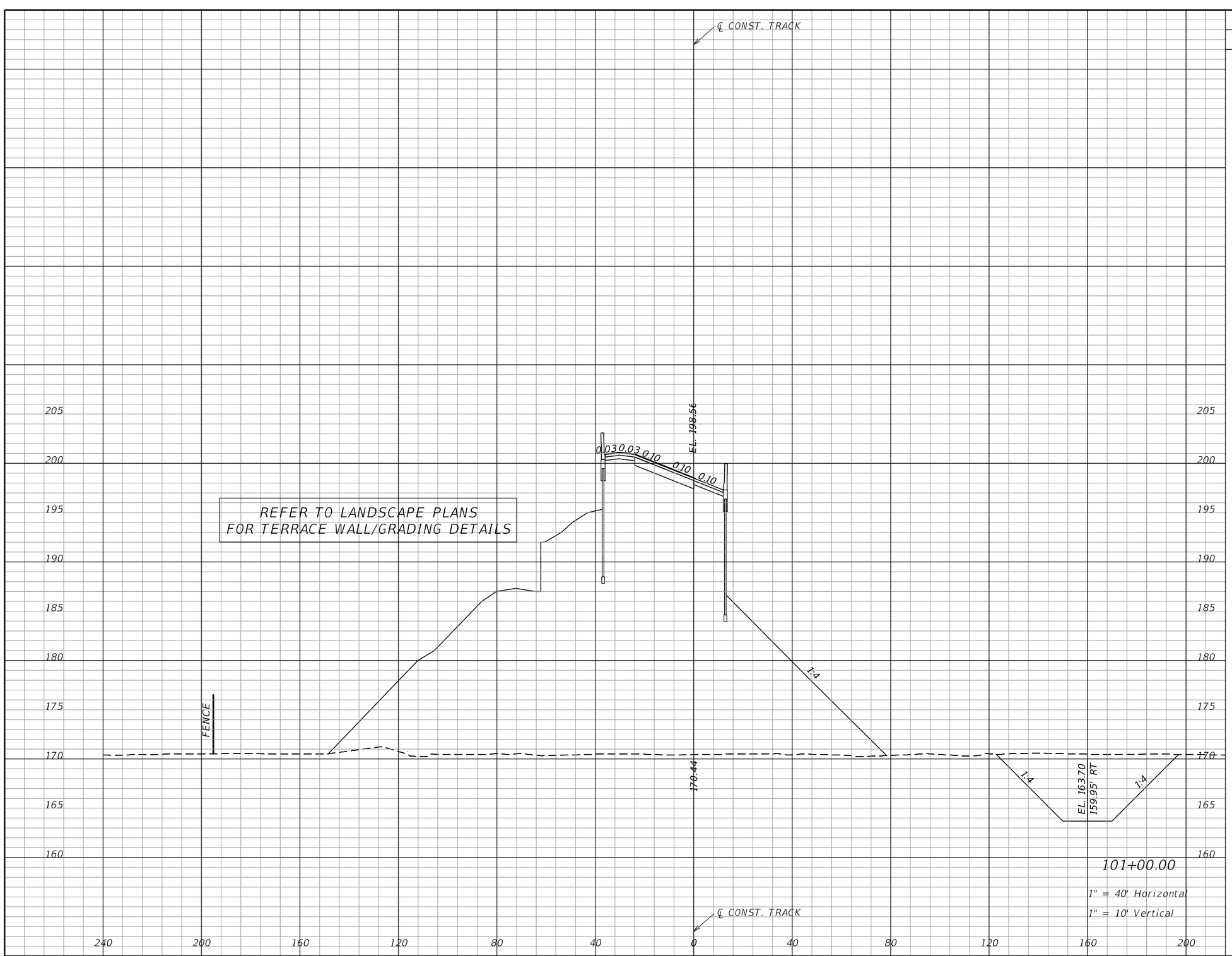
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 256



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		322		2763	
			1086		14273

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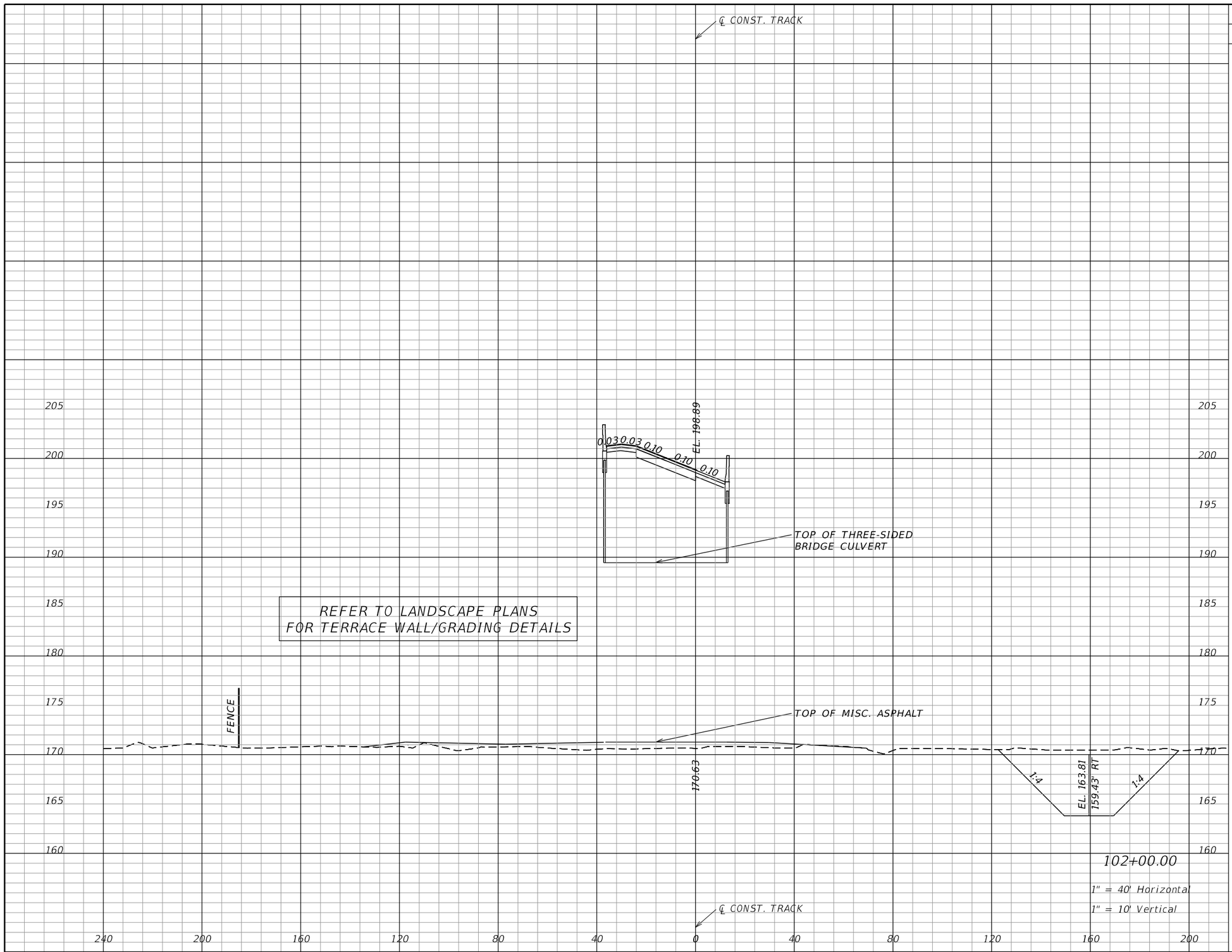
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 257



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		315		1455	
		76		347	

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REVISIONS			
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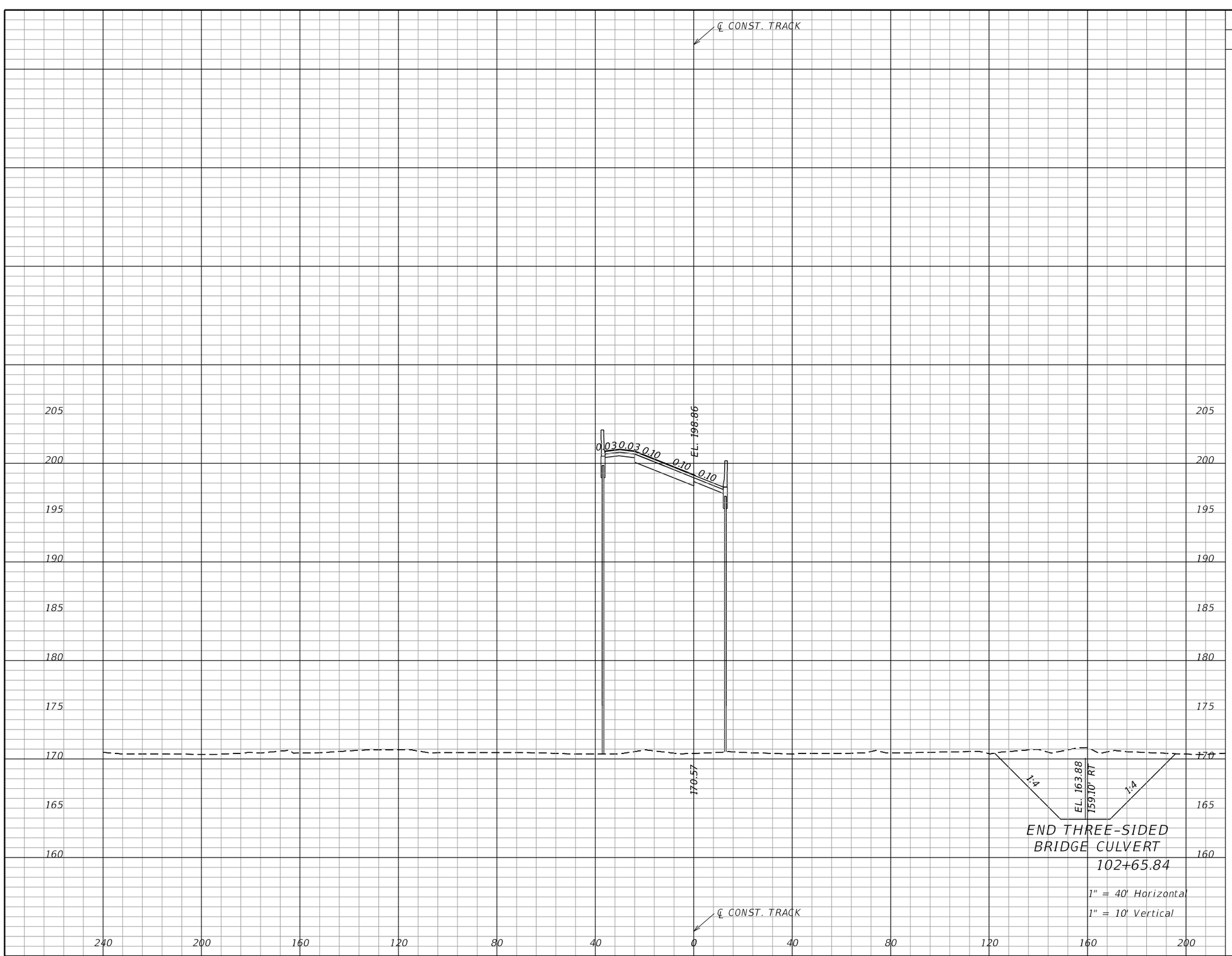
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 258



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		329		1454	
			801		3618

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STATE OF FLORIDA
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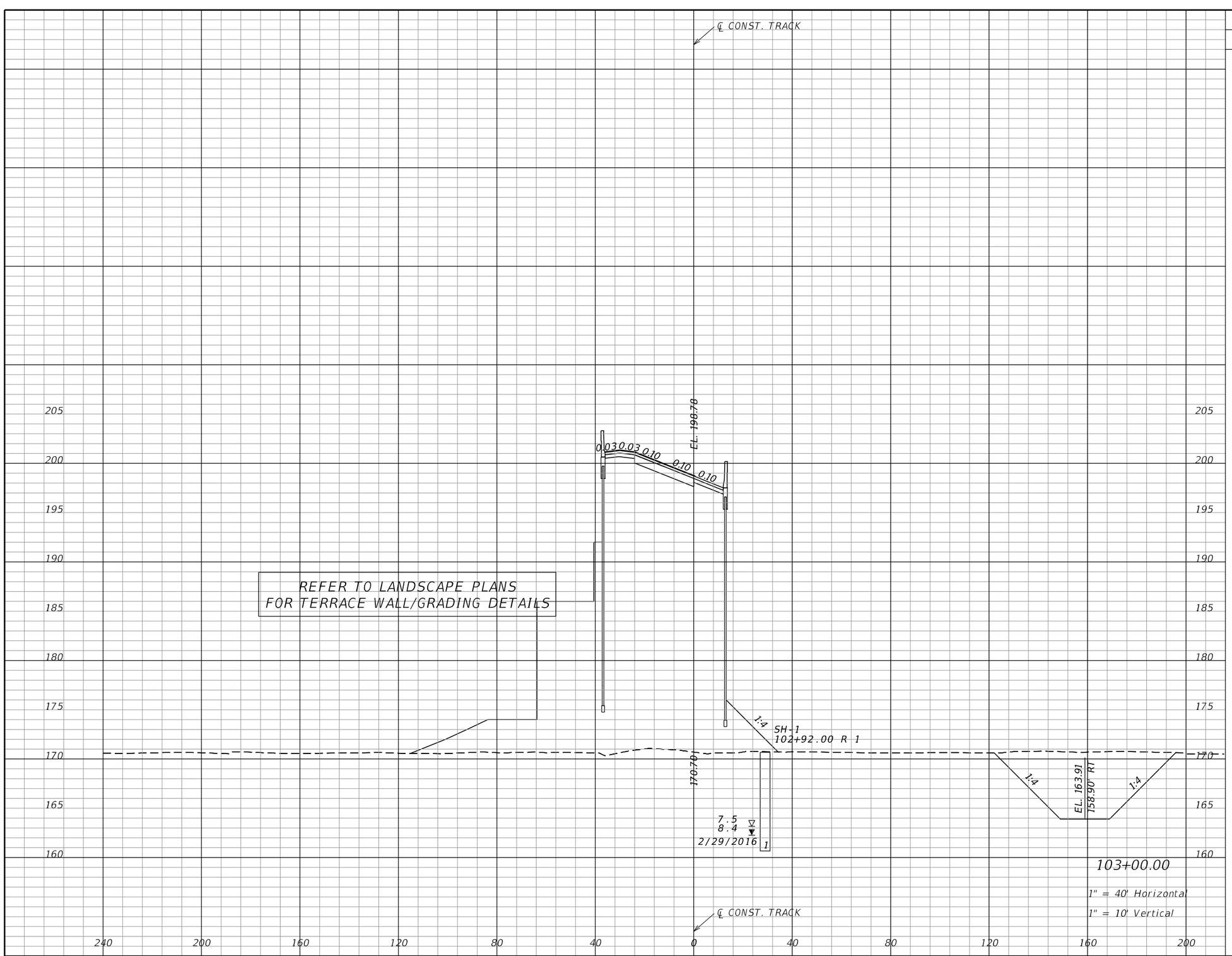
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 259



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		322		1560	
		396		1832	

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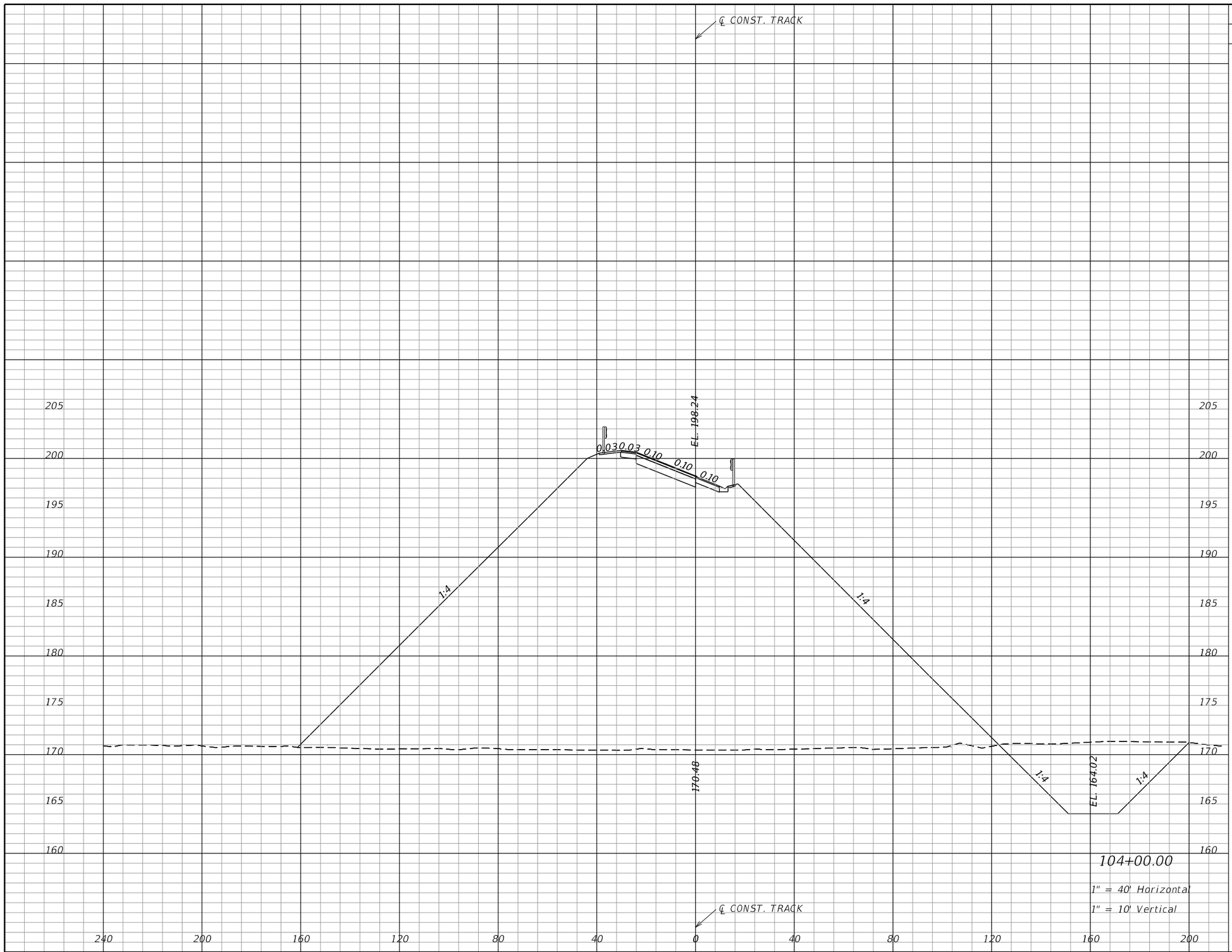
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 260



104+00.00

1" = 40' Horizontal

1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		353	1249	4800	11779

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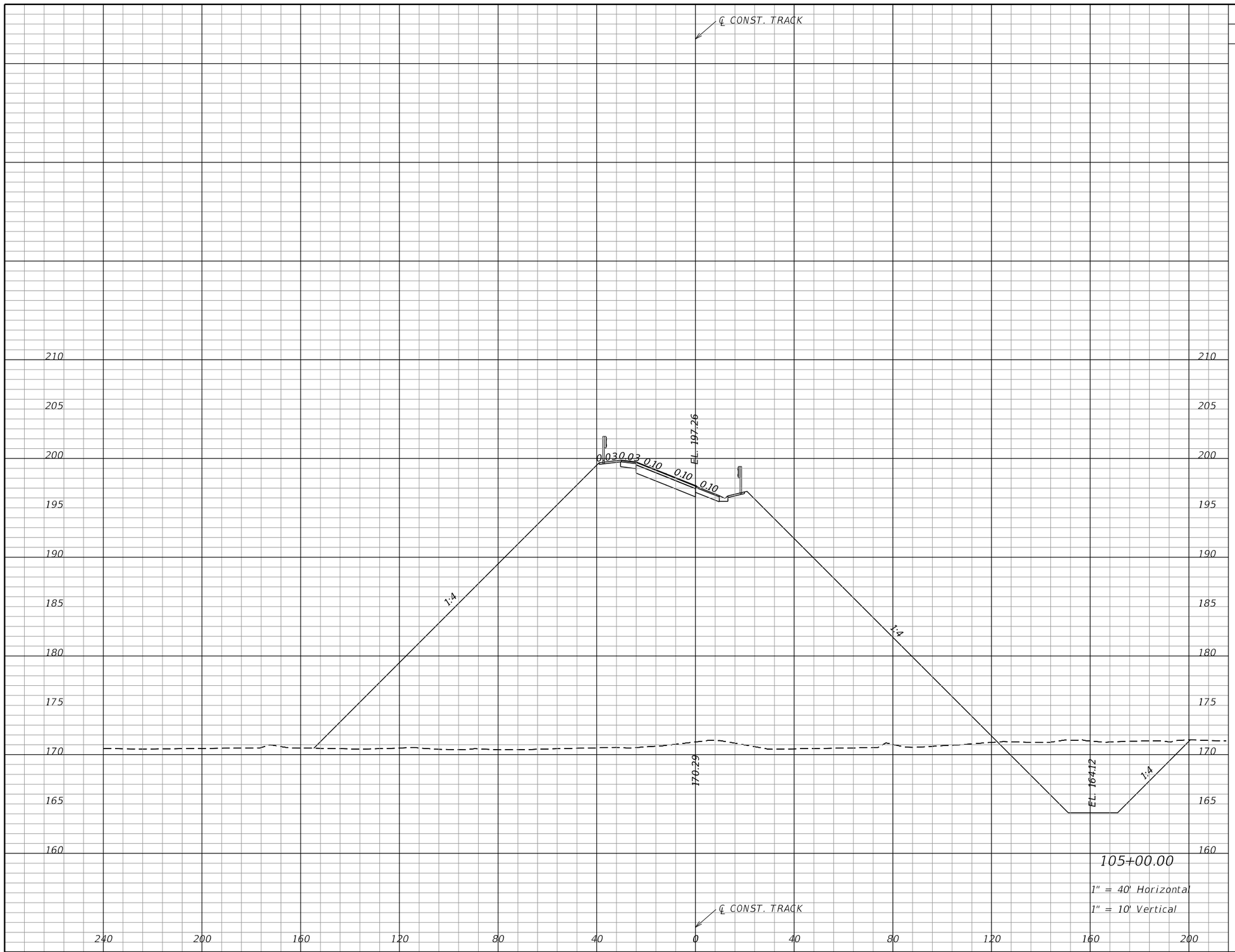
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 261



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		354	1308	4597	17402

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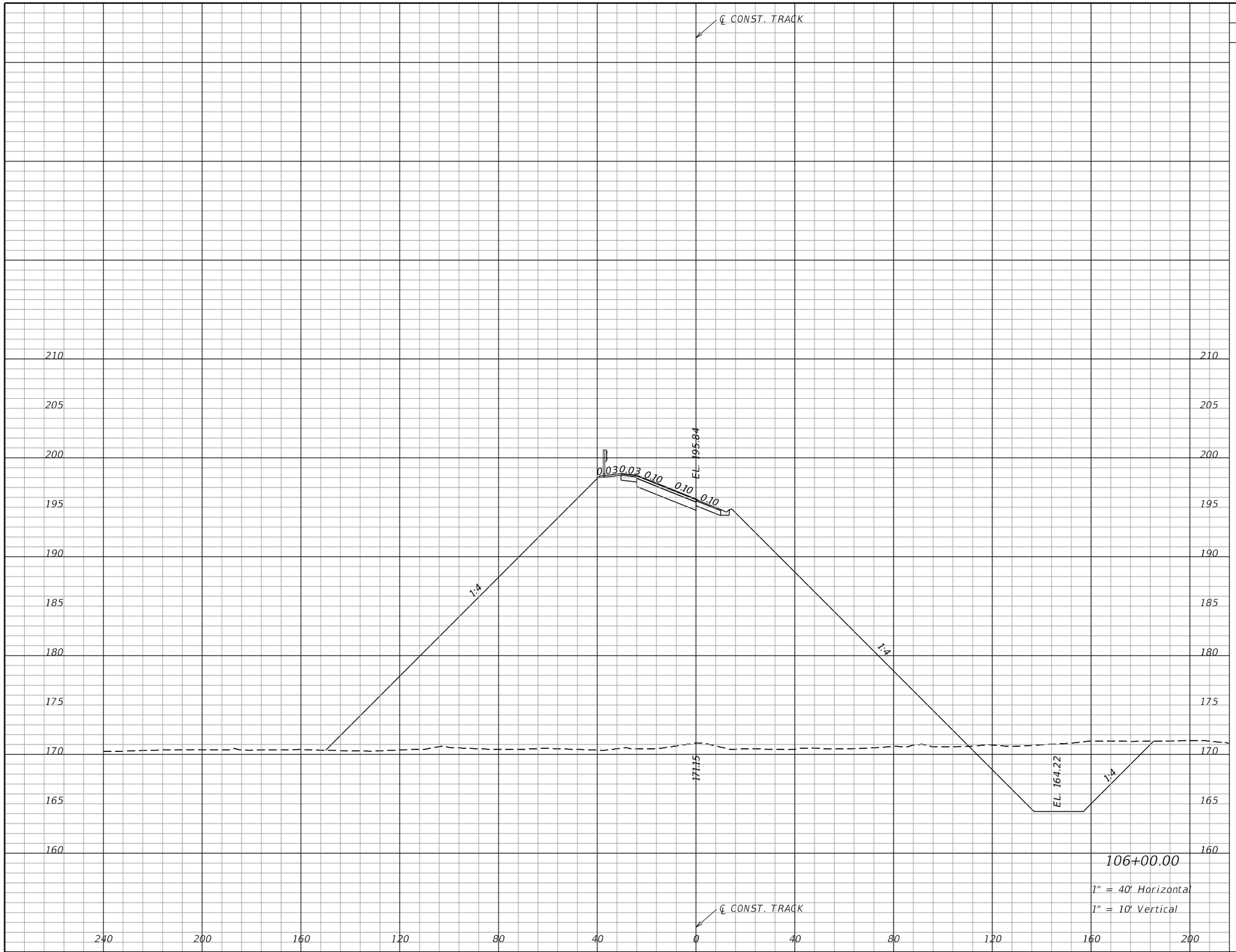
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 262



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		327		4047	
			1260		16006

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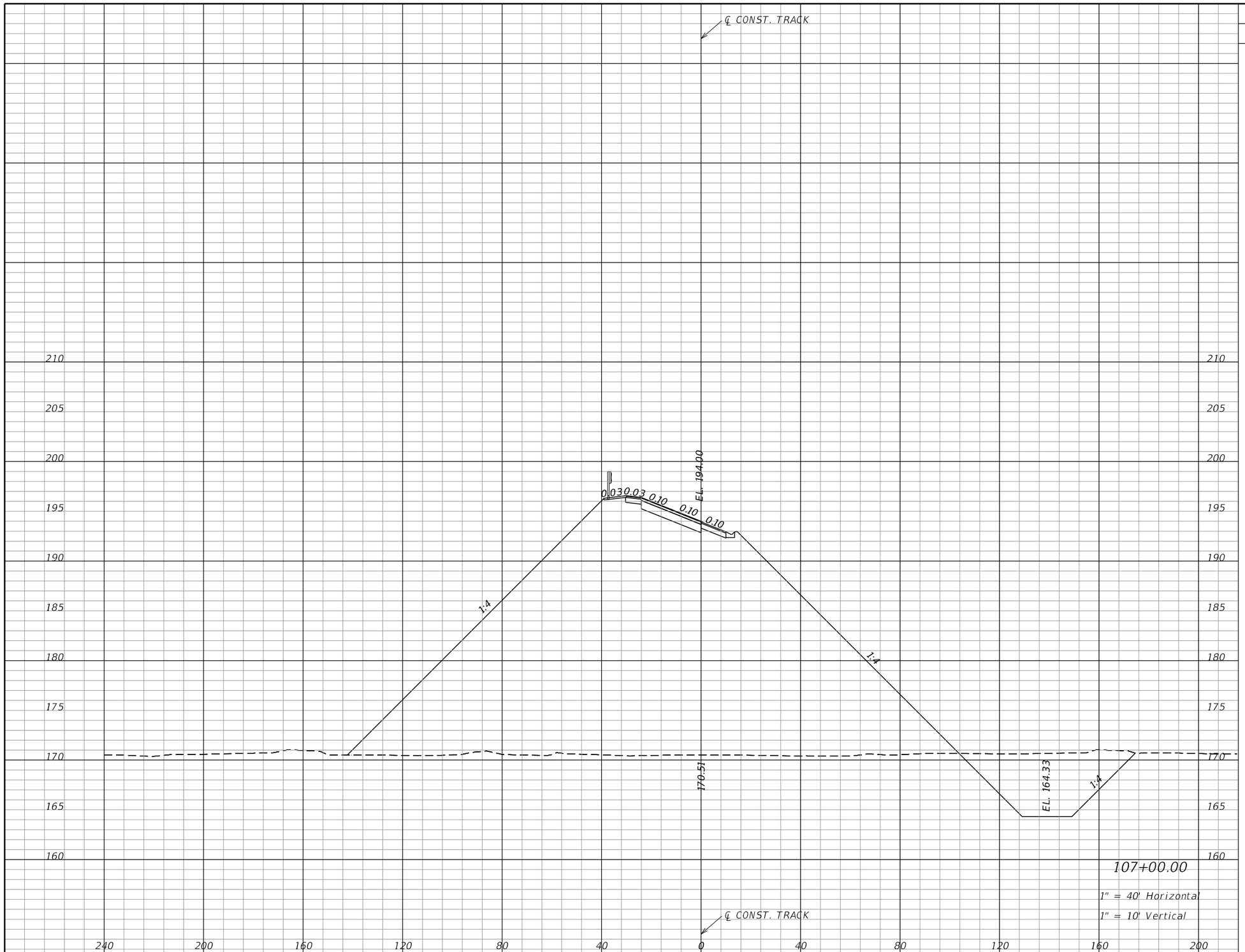
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 263



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		293		3602	
			1146		14164

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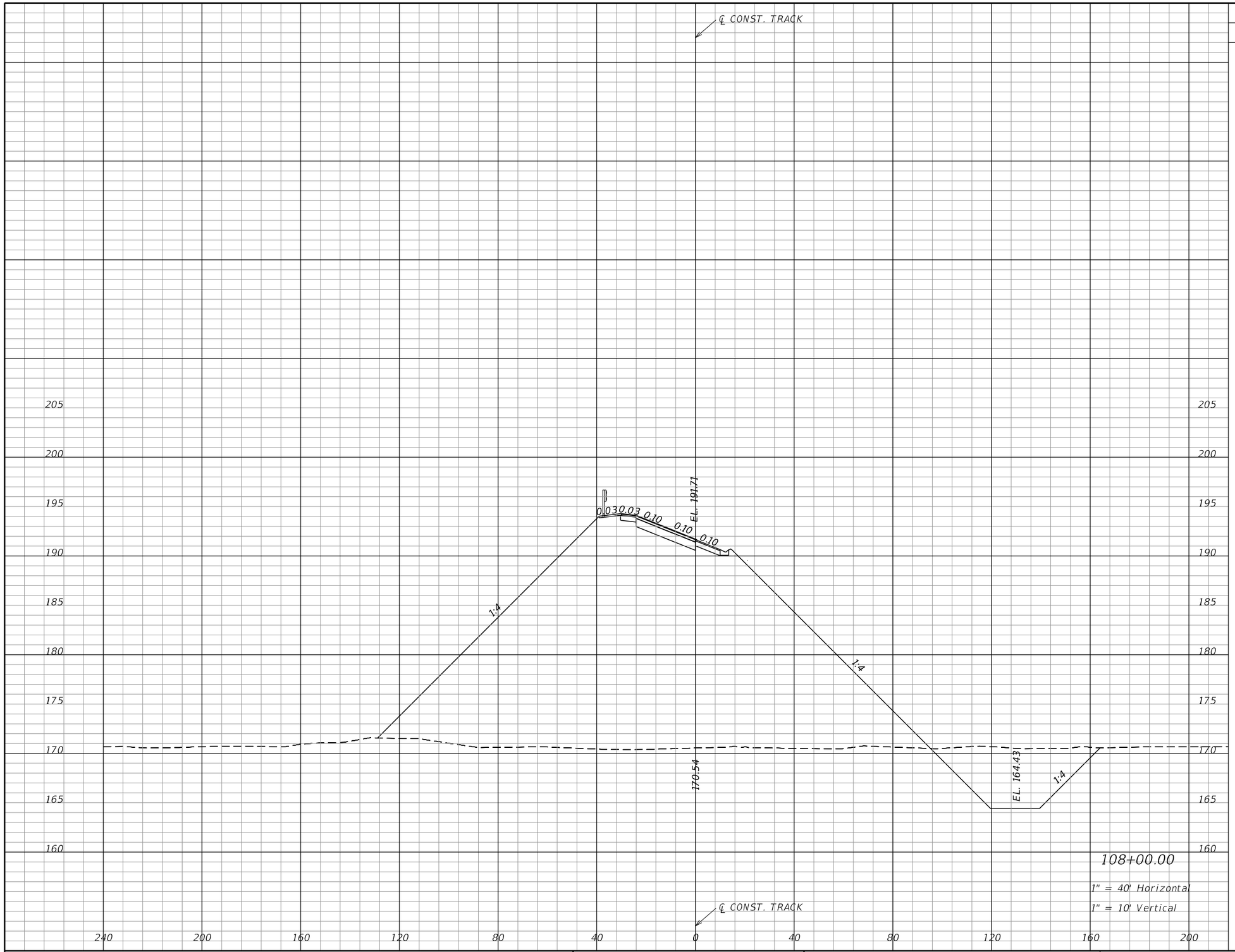
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 264



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		274	1049	3024	12270

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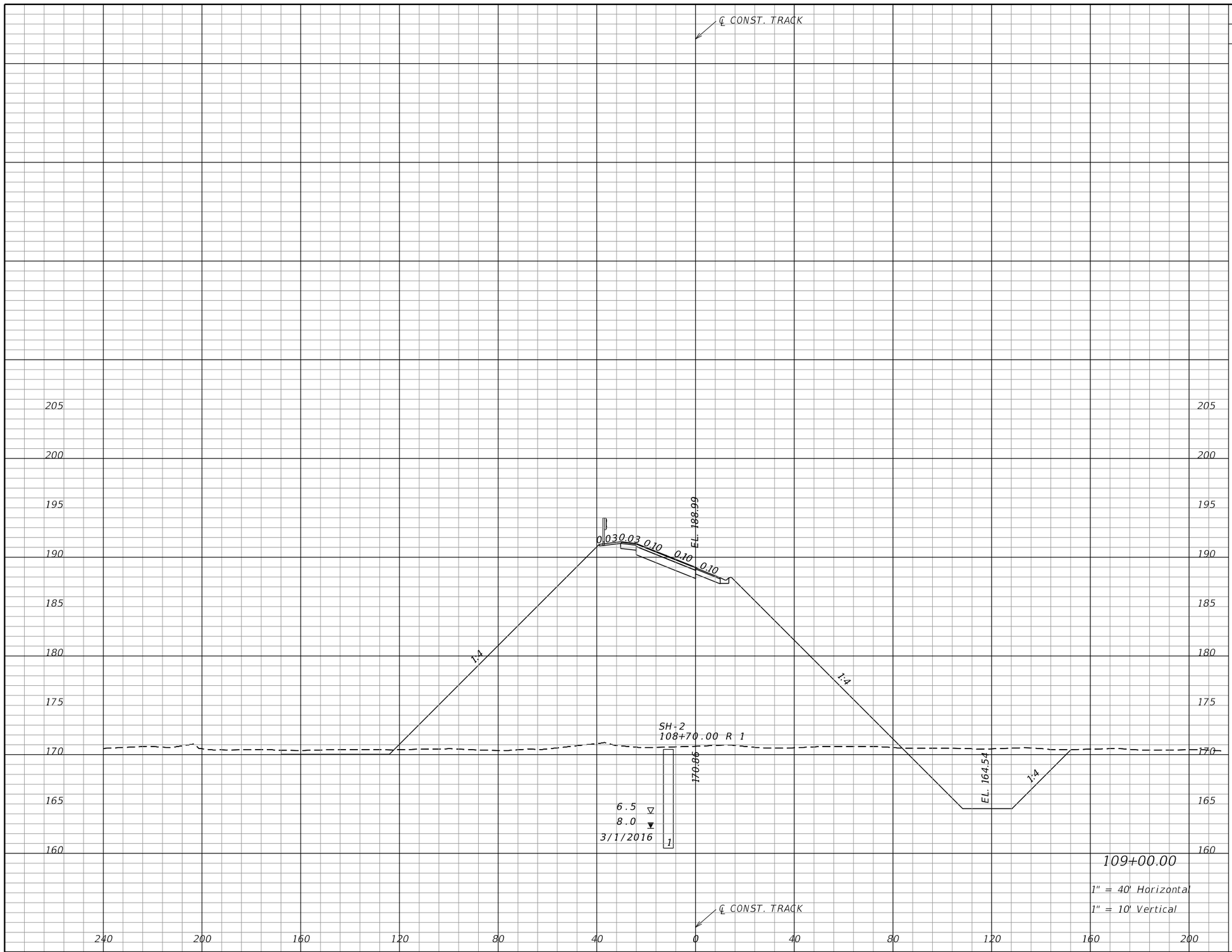
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 265



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		289		2428	
		1043		10096	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

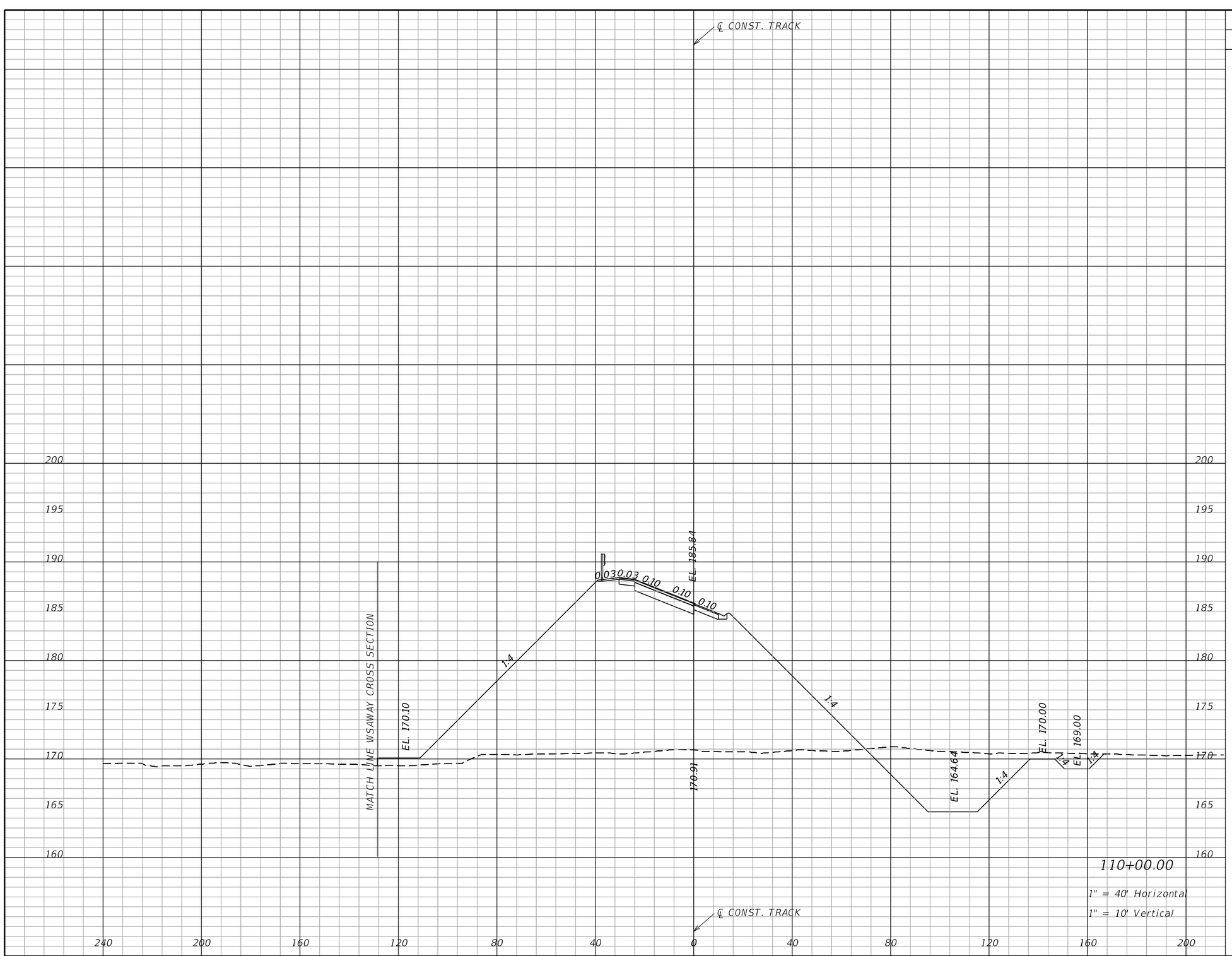
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 266



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		306		1867	
		1102		7954	

REVISIONS			
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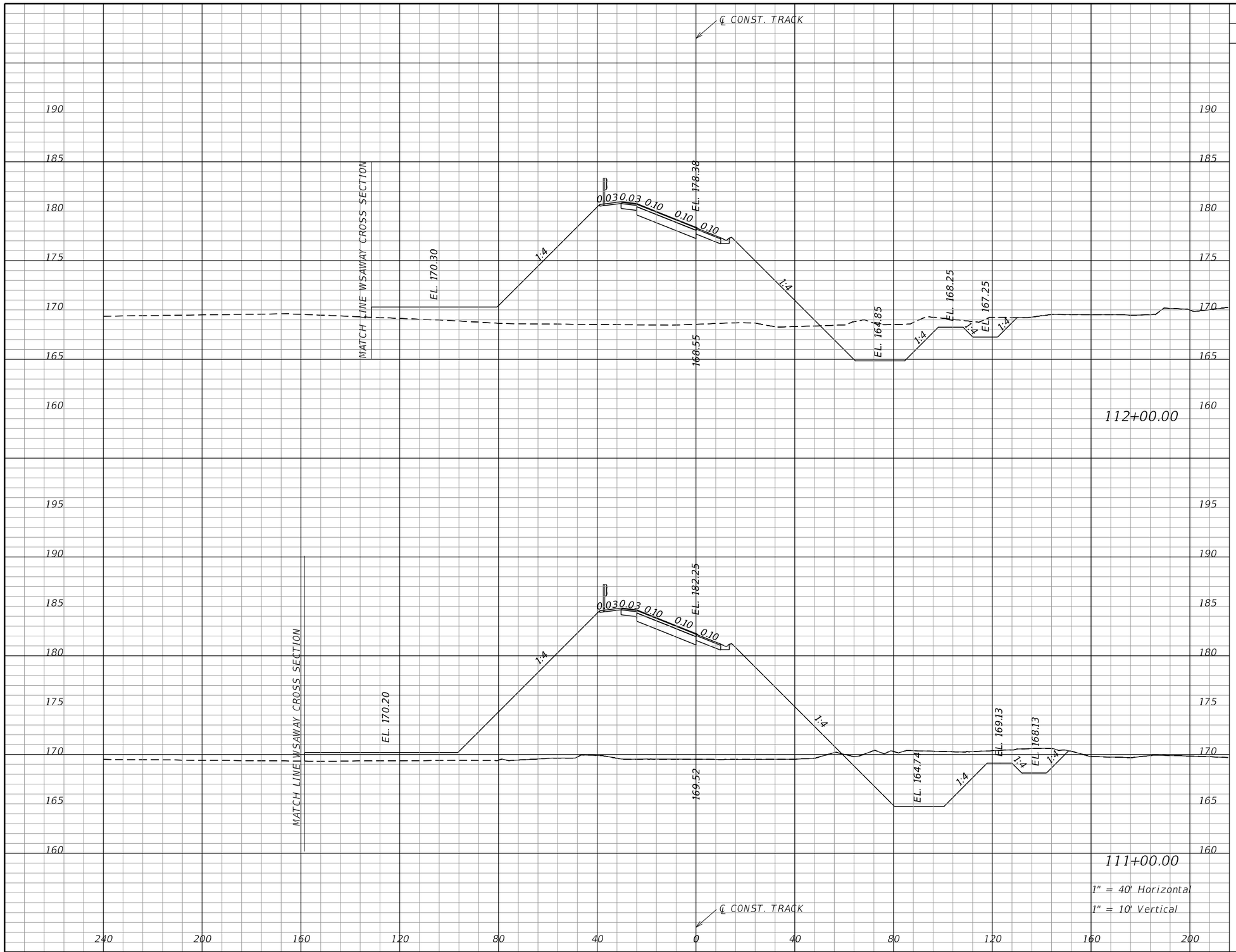
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS TRACK

SHEET NO. 267

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



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		175		1051	
			851		4647
		285		1459	
			1094		6160

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REVISIONS			
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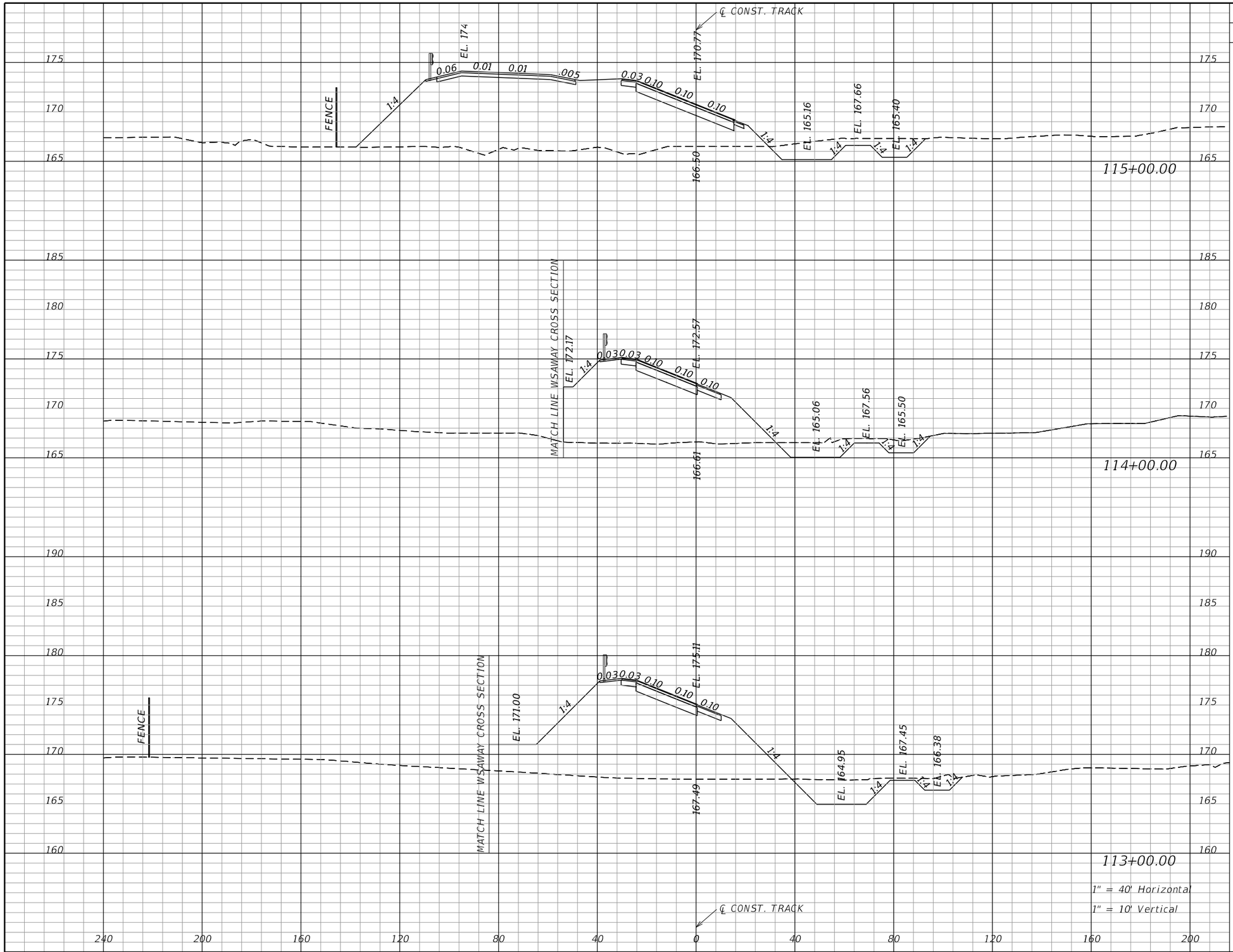
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 268



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		86		746	
			291		2299
		71		495	
		97		705	
			312		2223
		504			3251

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REVISIONS			
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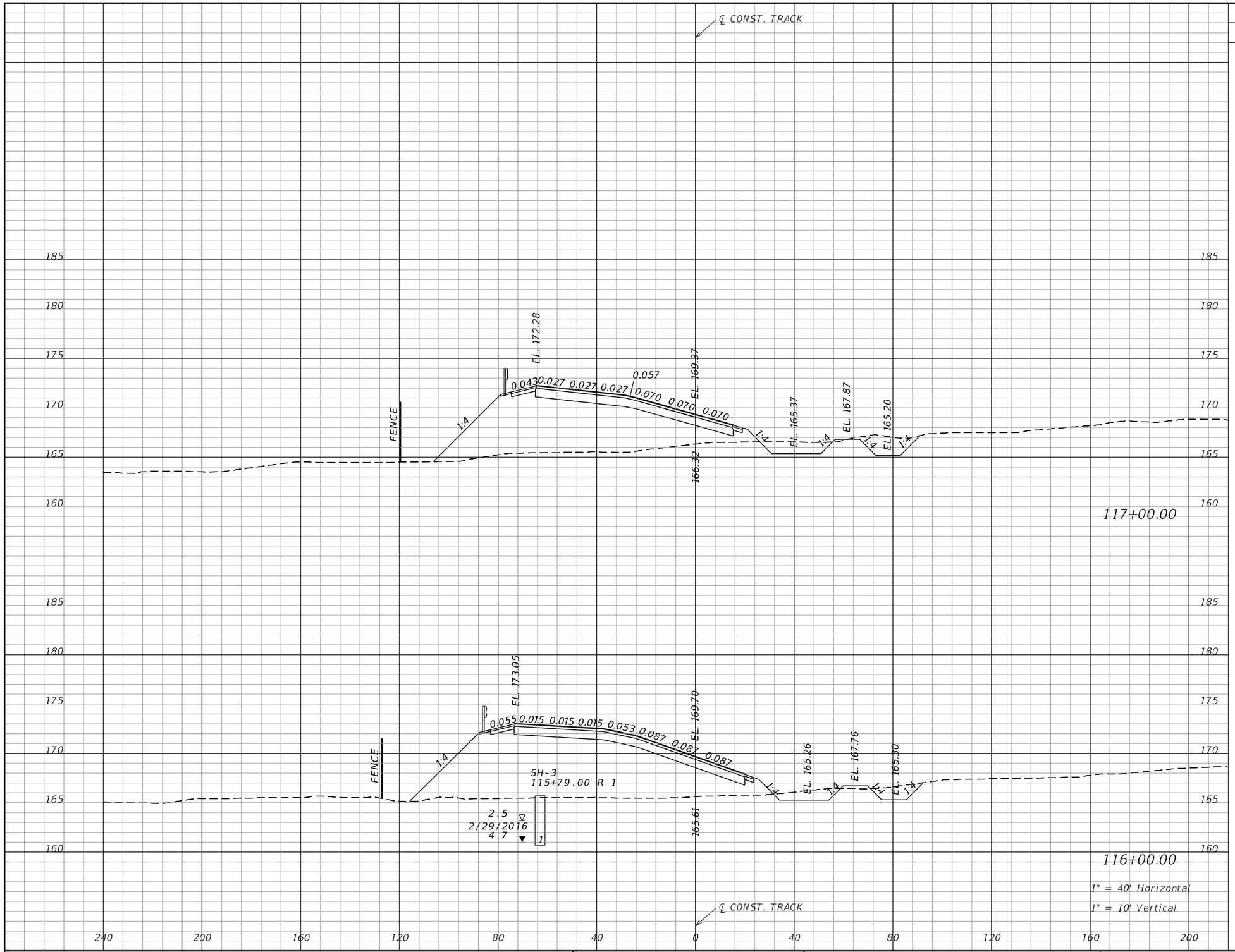
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 269



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
62				497	
38				625	

		185	2078
		231	2539

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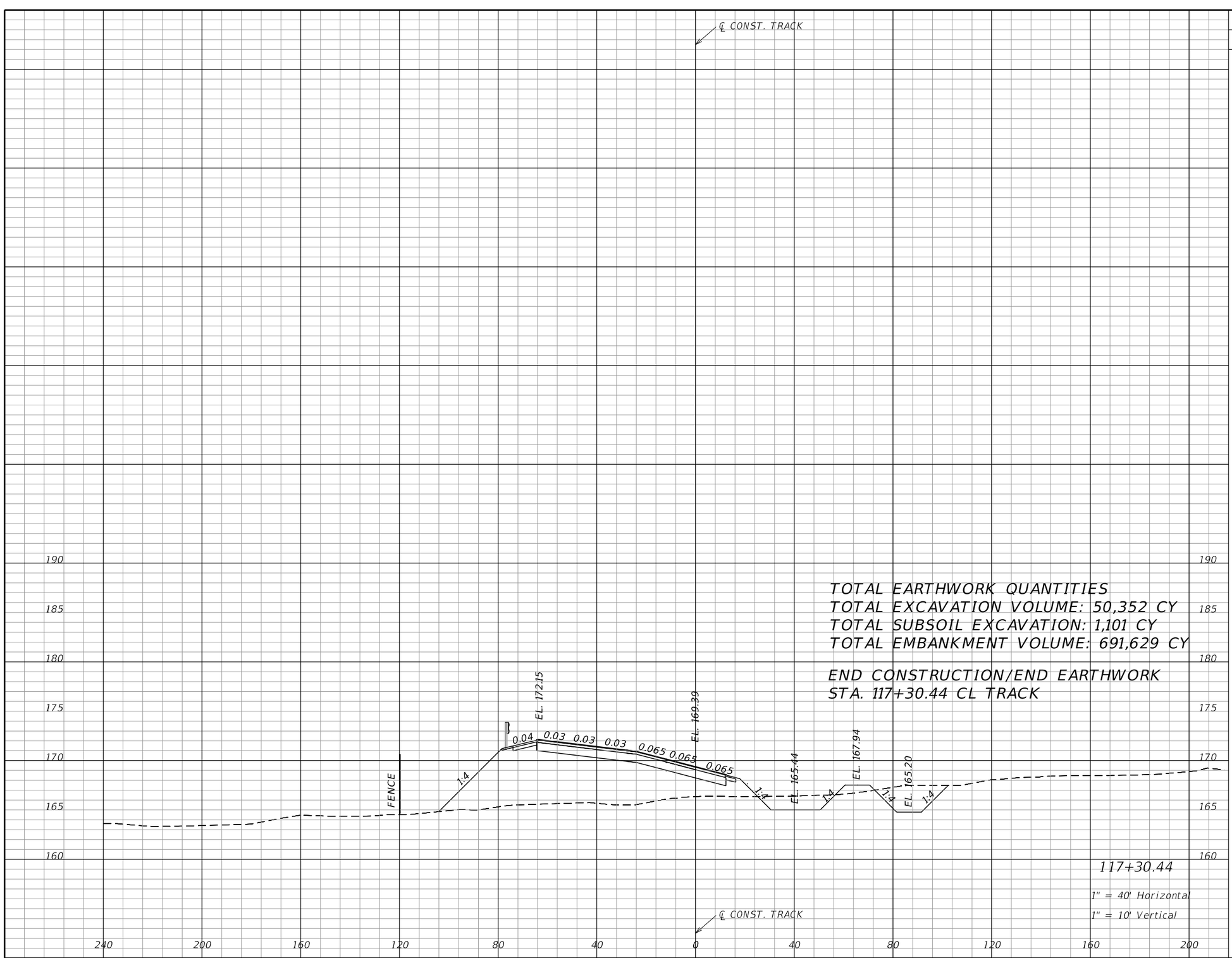
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 270



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
		90		484	
		85		553	

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REVISIONS

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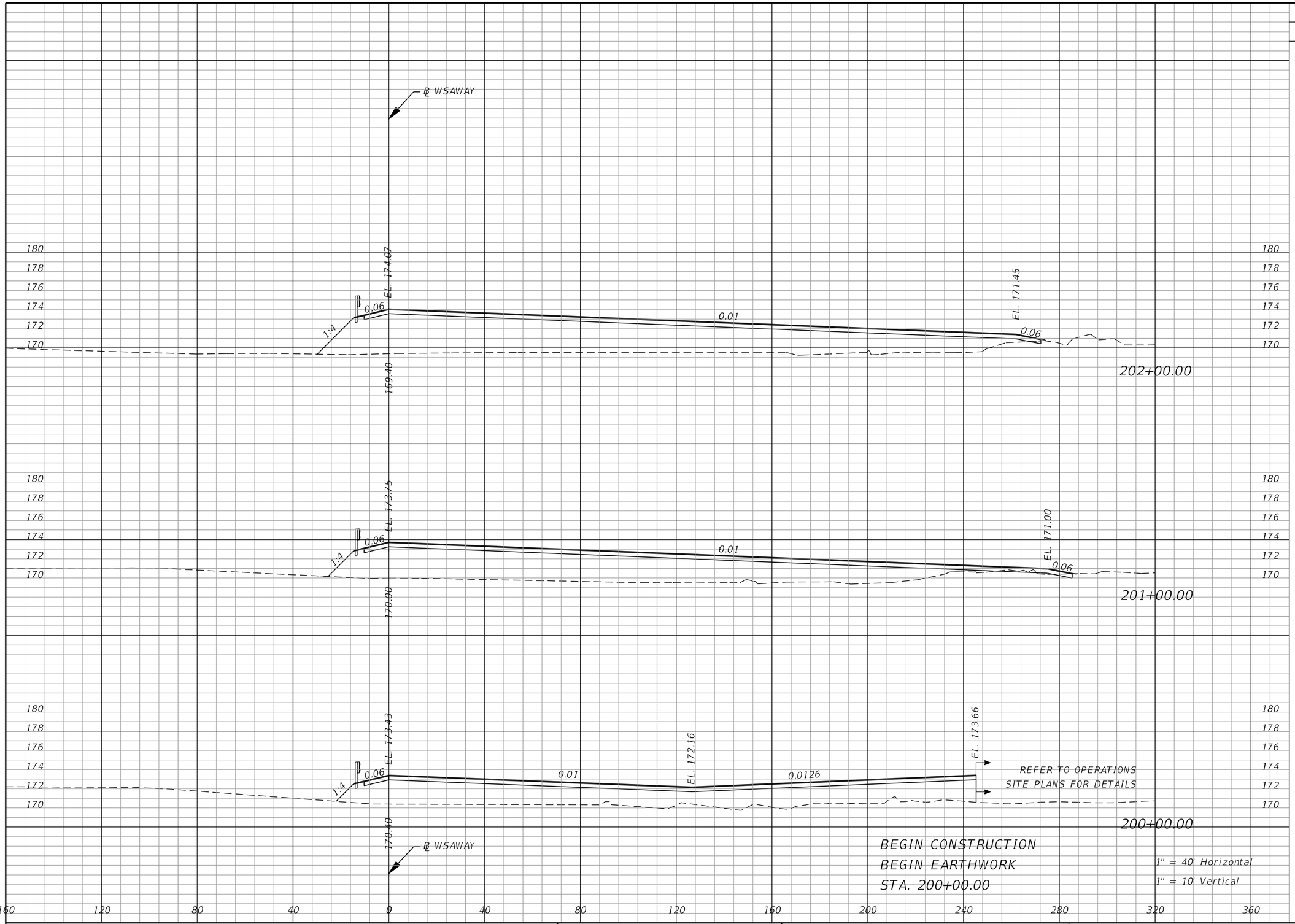
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
TRACK

SHEET NO. 271



Regular Exc.		Embankment	
A	V	A	V
	2		2576
1		803	
	9		2648
4		627	
	7		2120
0		518	

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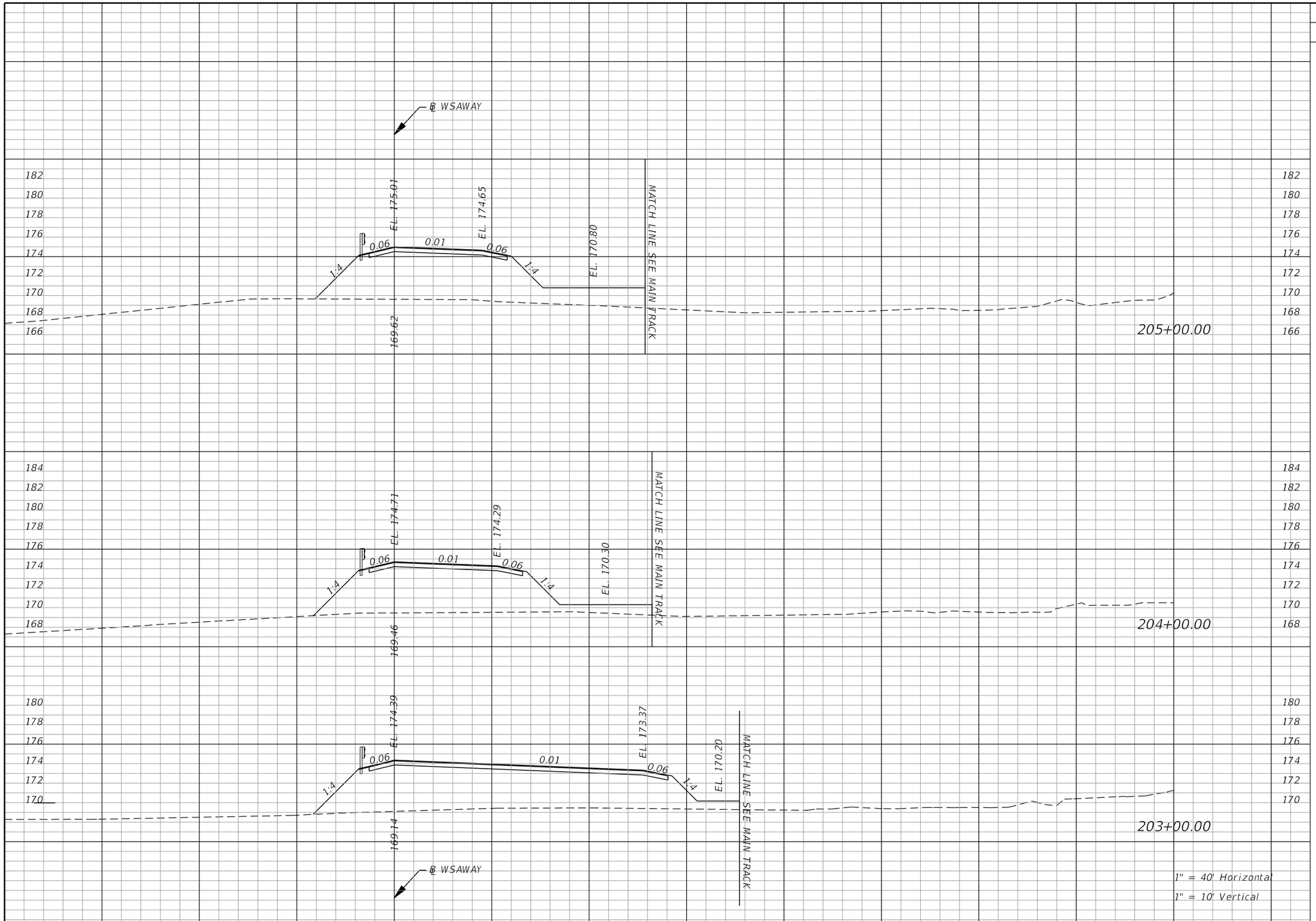
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 272



Regular Exc.		Embankment	
A	V	A	V
	0		1713
0		449	
	0		1593
0		411	
	0		1850
0		588	

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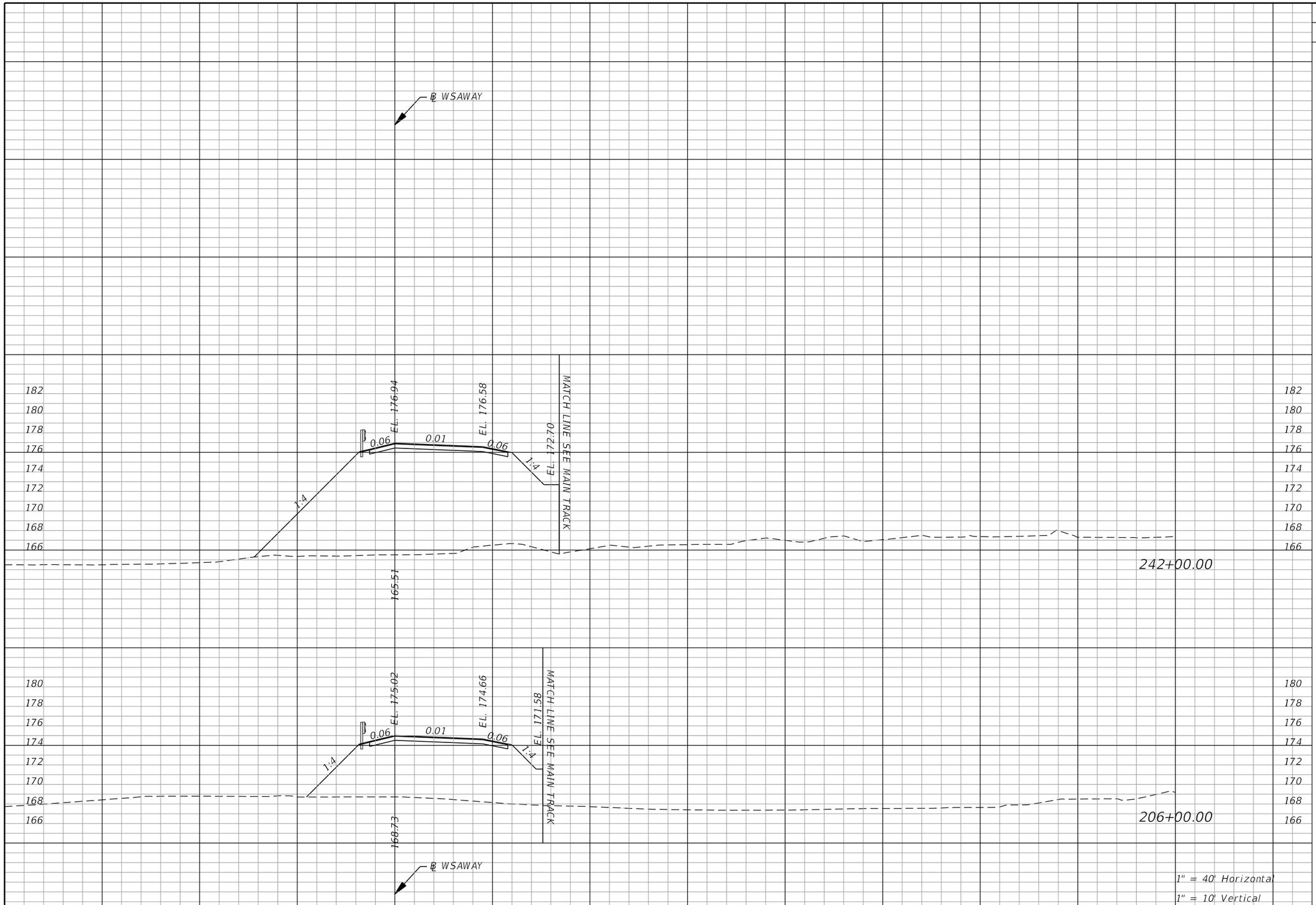
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 273



Regular Exc.		Embankment	
A	V	A	V
	0		3669
	0		1021
	0		476

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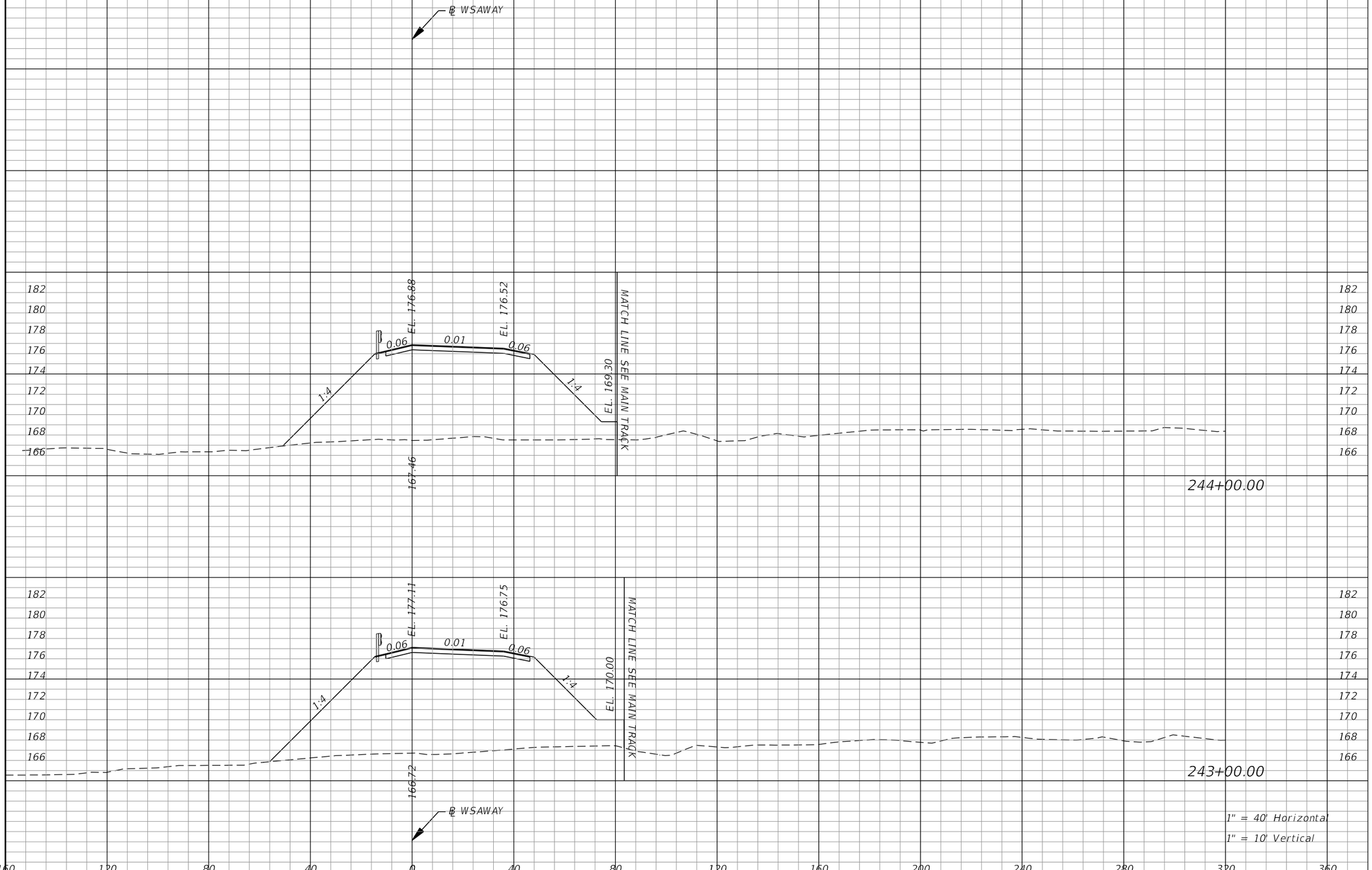
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 274



Regular Exc.		Embankment	
A	V	A	V
	0		3294
0		828	
	0		3311
0		960	

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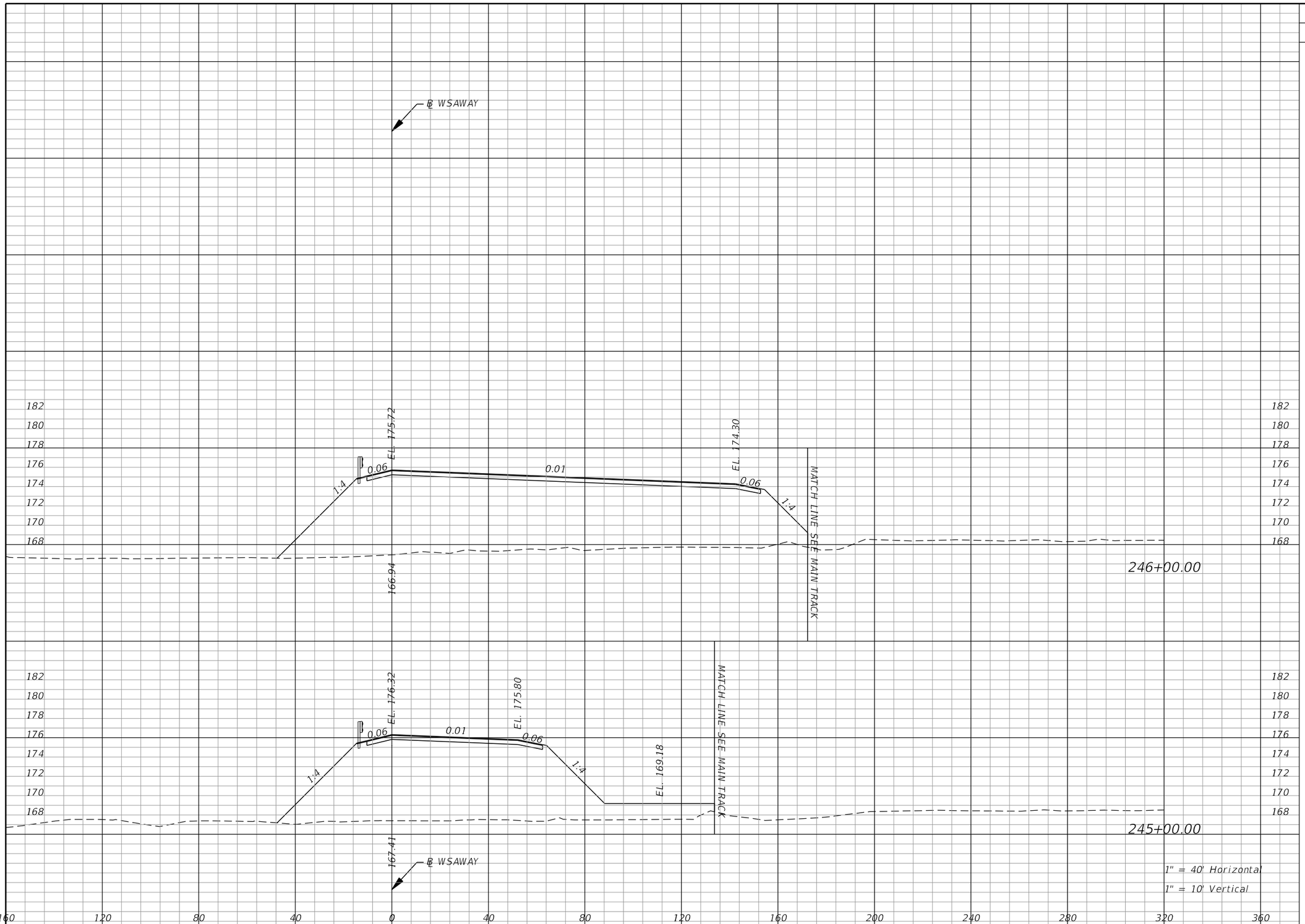
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 275



Regular Exc.		Embankment	
A	V	A	V
	0		6157
0		1386	
	0		4328
0		951	

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CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

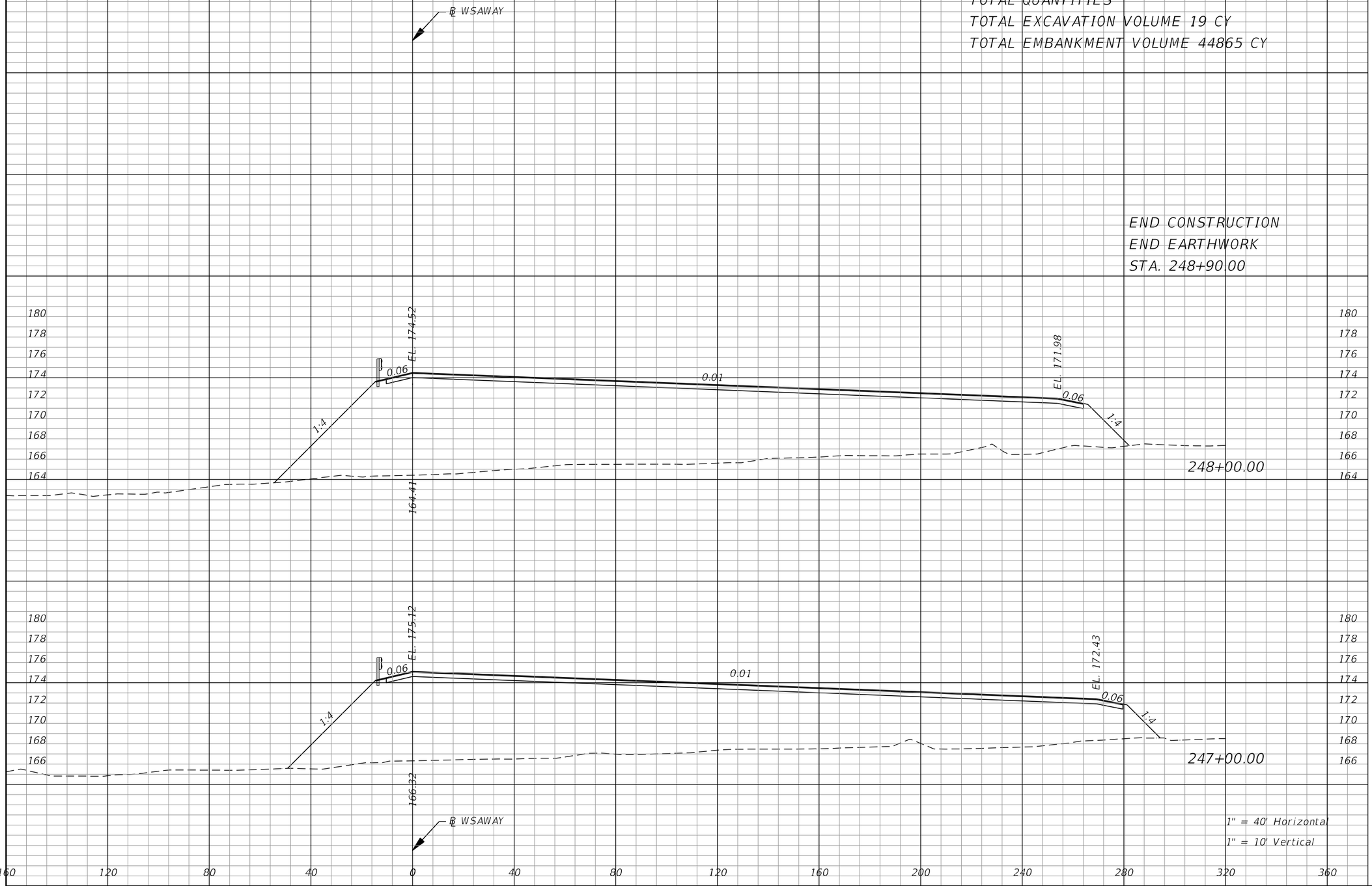
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 276

TOTAL QUANTITIES
TOTAL EXCAVATION VOLUME 19 CY
TOTAL EMBANKMENT VOLUME 44865 CY

END CONSTRUCTION
END EARTHWORK
STA. 248+90.00



1" = 40' Horizontal
1" = 10' Vertical

Regular Exc.		Embankment	
A	V	A	V
	0		4007
0		2164	
	0		7598
0		1939	

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REVISIONS			
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EDWARD COLON, P.E.
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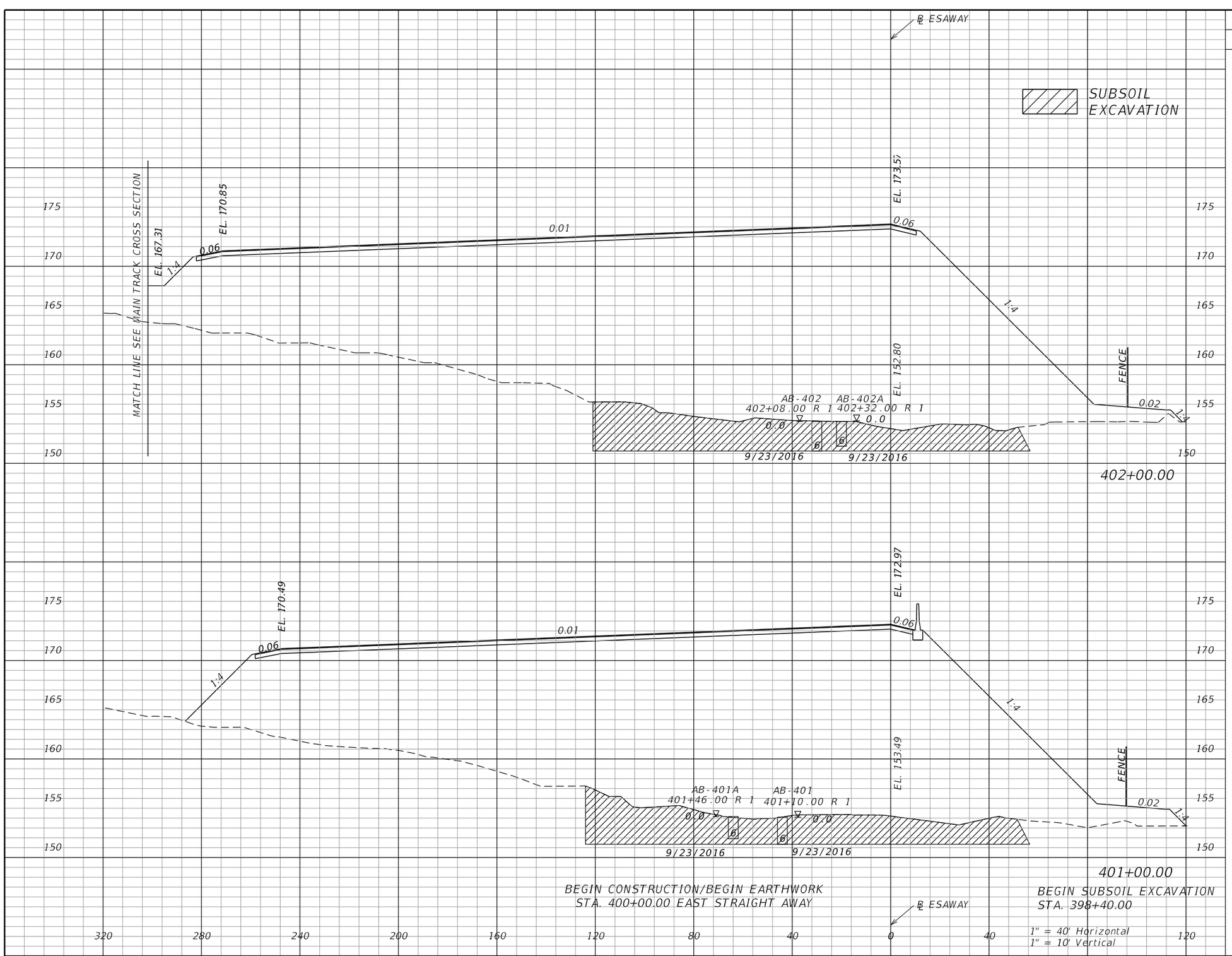
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS WSAWAY

SHEET NO. 277



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
	1575		0		18737
557		0		5750	
	2057		0		20728
554		0		5443	
	1025		0		10080
0		0		0	

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REVISIONS			
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EDWARD COLON, P.E.
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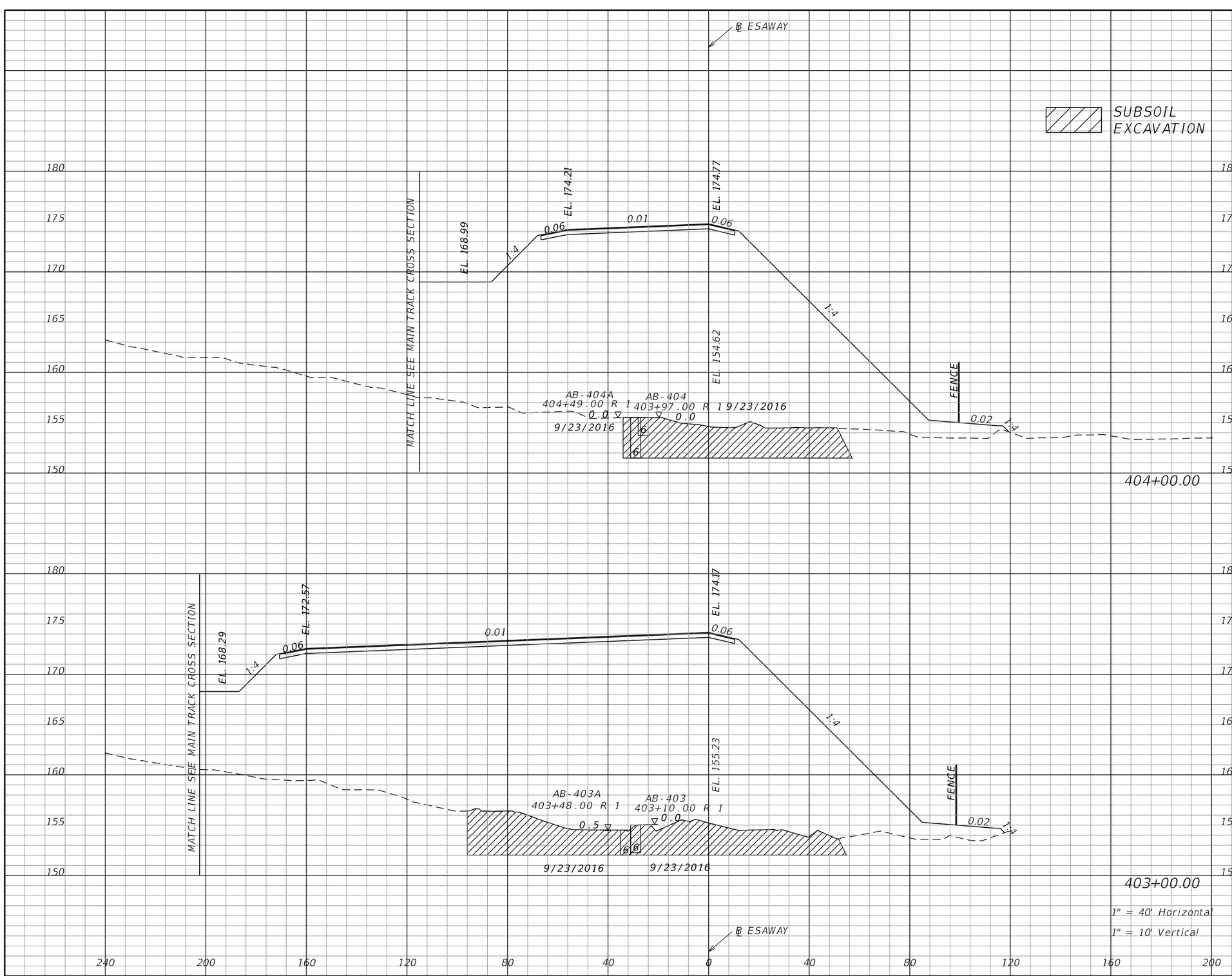
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ESAWAY

SHEET NO. 278



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
293	1008	0	0	3210	11380
294	1087	0	0	4368	14033

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
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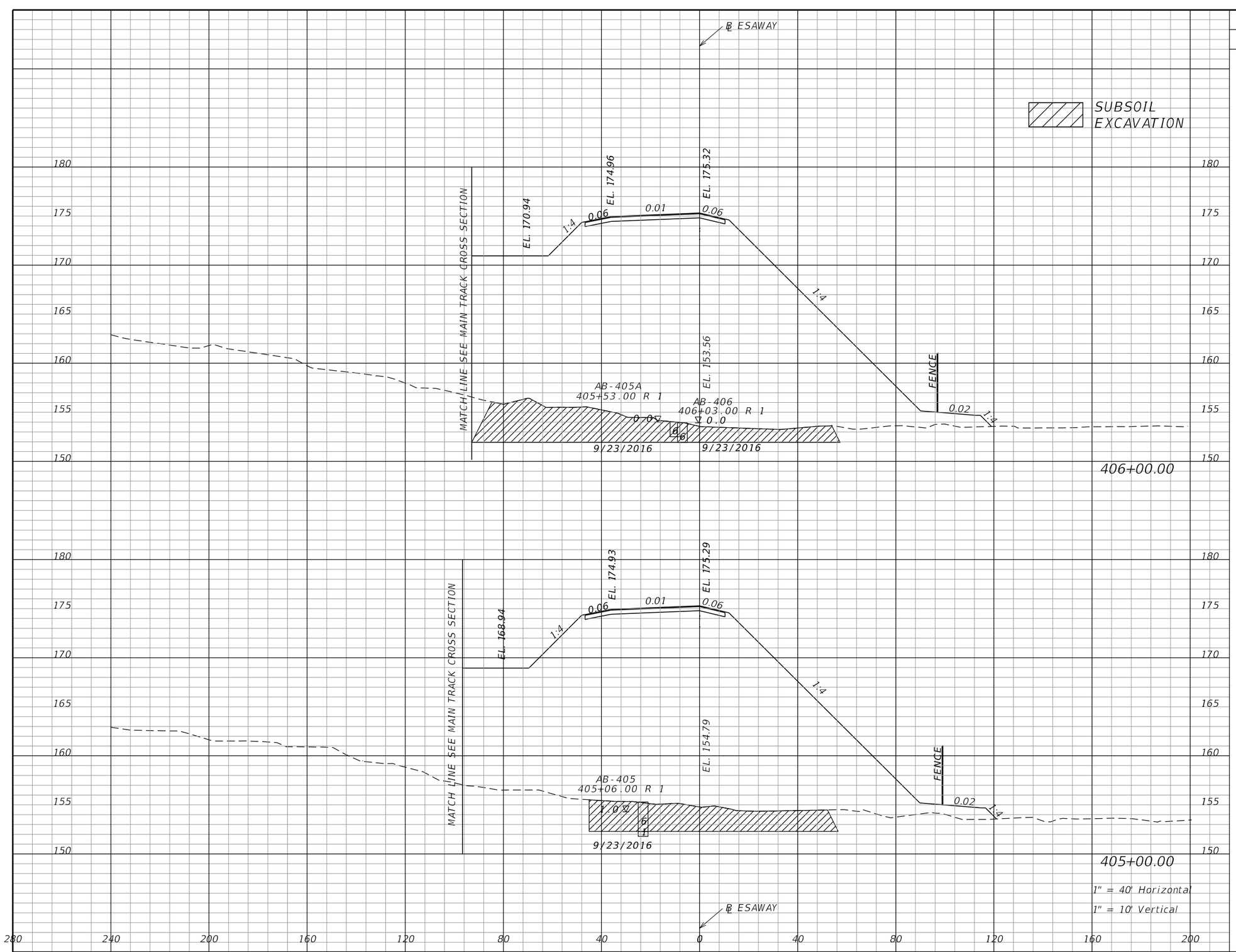
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ESAWAY

SHEET NO. 279



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
	1262		0		11194
368		0		3204	
	1146		0		11370
251		0		2936	

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REVISIONS			
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EDWARD COLON, P.E.
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160 NORTH WESTMONTE DRIVE, SUITE 2000
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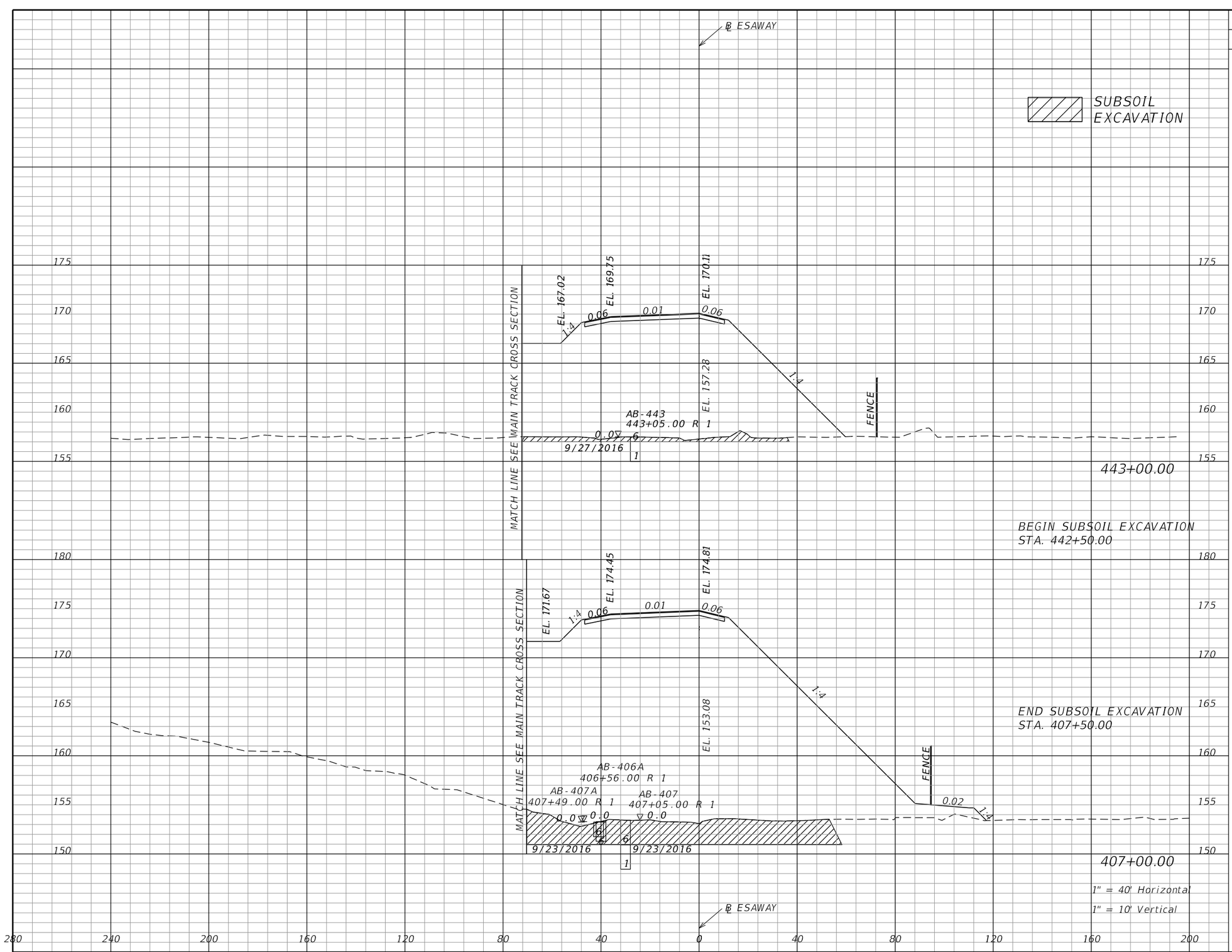
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ESAWAY

SHEET NO. 280



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
	322		0		4956
50		0		1289	
	314		0		2840

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REVISIONS			
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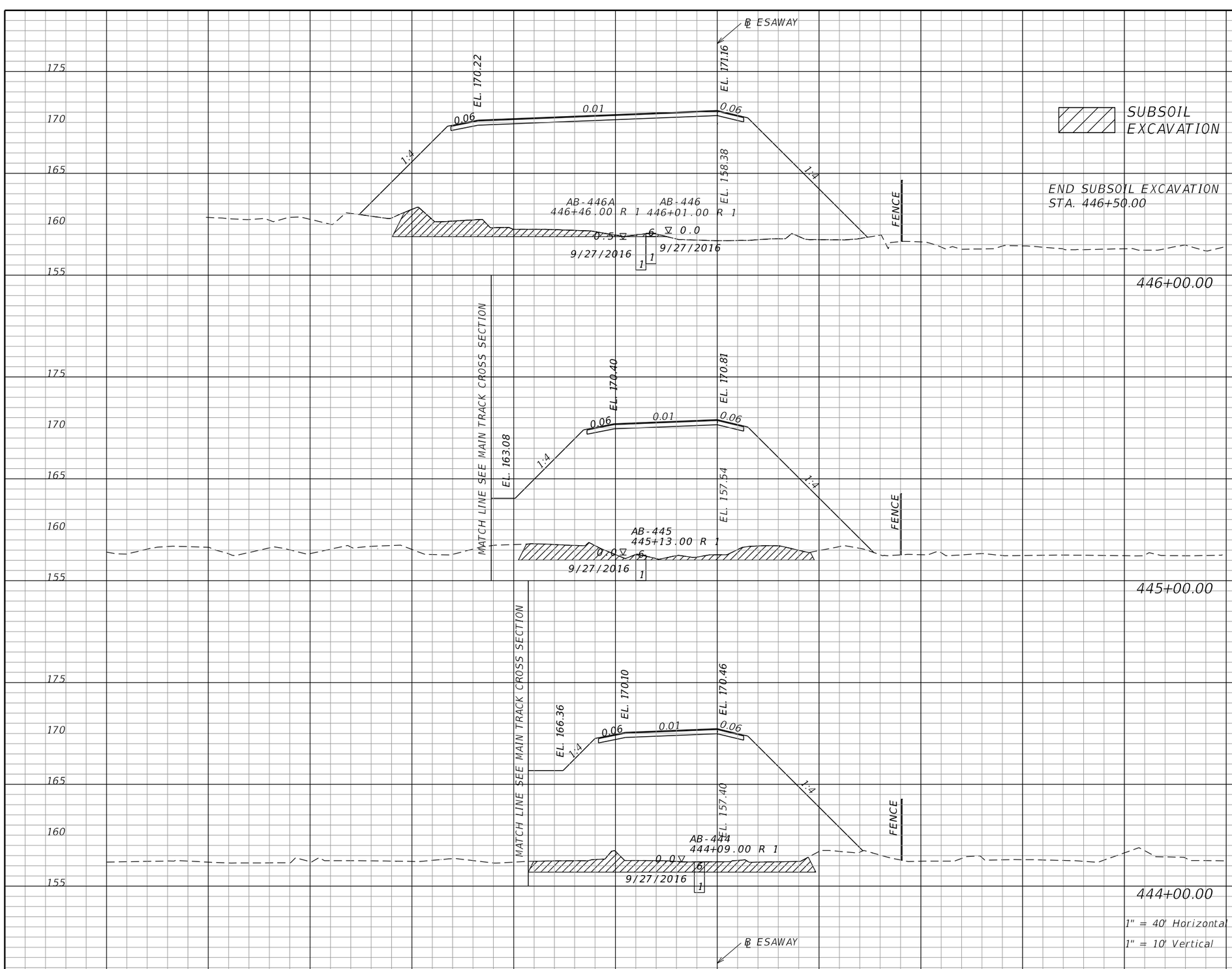
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ESAWAY

SHEET NO. 281



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
102	189	0	0	1830	7513
	388		0		6064
107	429	0	0	1445	5245
125		0		1387	

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REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

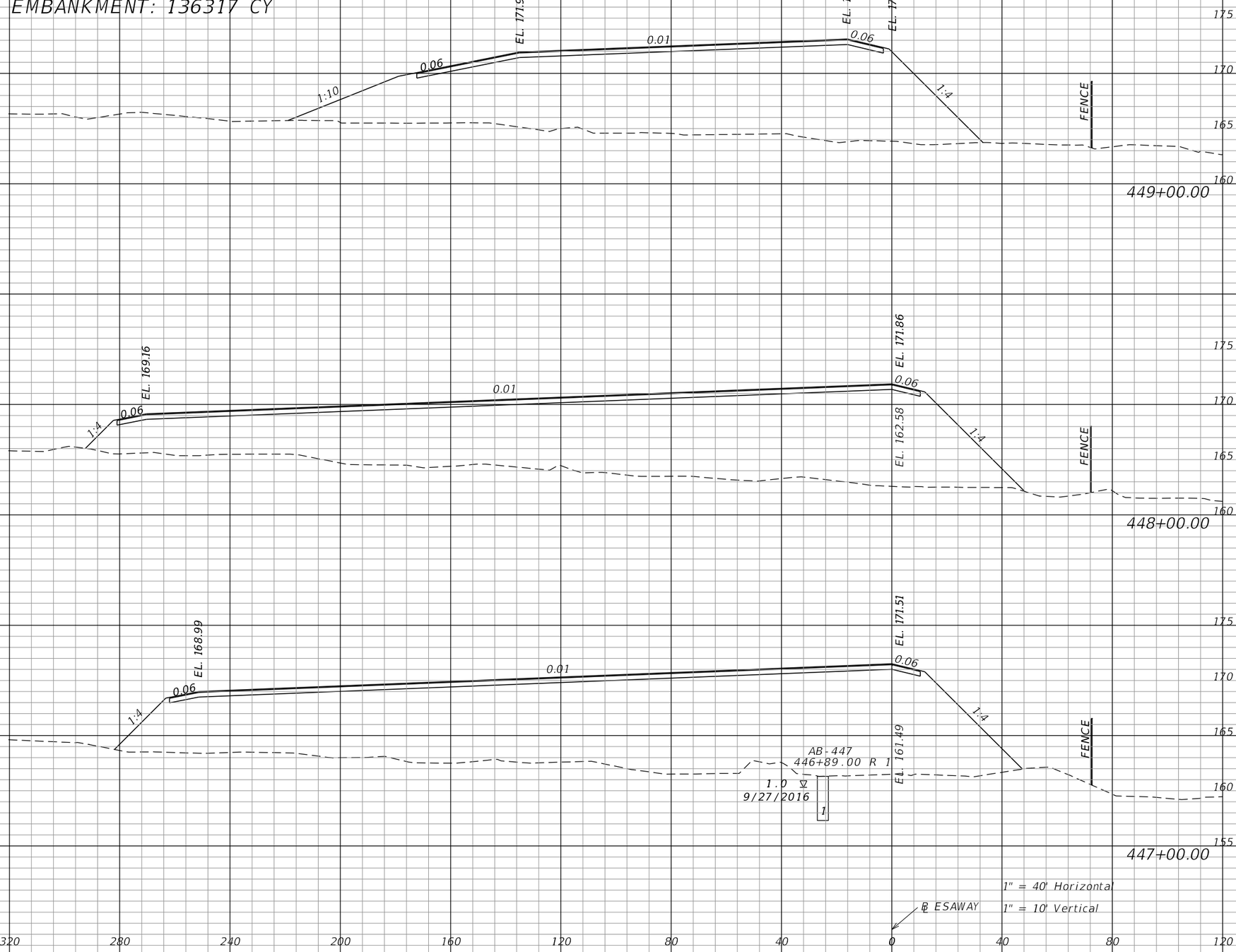
CROSS SECTIONS ESAWAY

SHEET NO. 282

END CONSTRUCTION/END EARTHWORK
EAST STRAIGHT AWAY
STA. 449+45.46

℄ ESAWAY

TOTAL QUANTITIES
SUBSOIL EXCAVATION: 10489 CY
EMBANKMENT: 136317 CY



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
	0		0		1235
0		0		1467	
	0		0		6186
0		0		1874	
	0		0		7594
0		0		2228	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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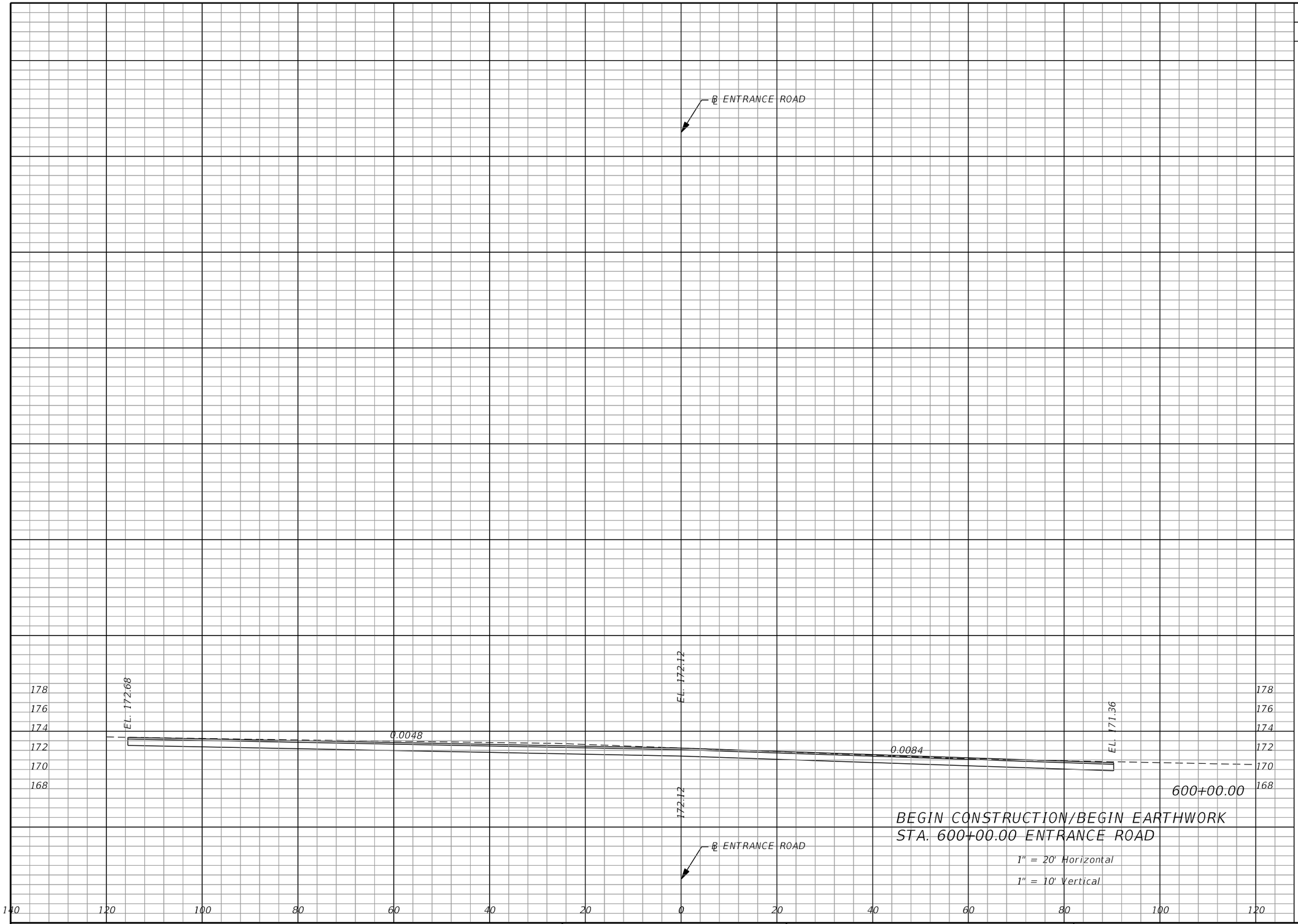
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ESAWAY

SHEET NO. 283



Regular Exc.		Embankment	
A	V	A	V
	800		91
182		0	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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ALTAMONTE SPRINGS, FLORIDA 32714
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STATE OF FLORIDA
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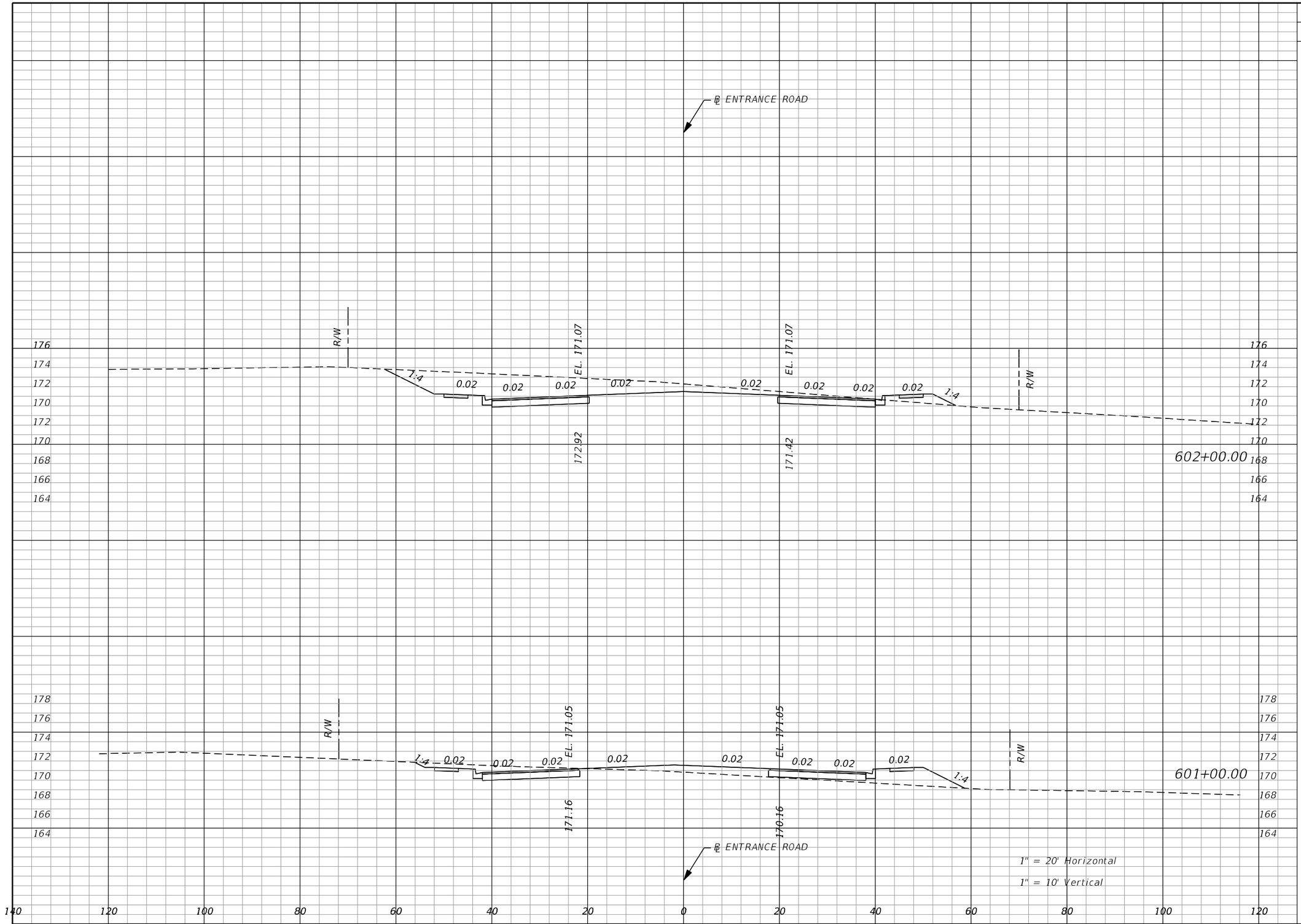
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 284

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



Regular Exc.		Embankment	
A	V	A	V
	889		15
161		8	
	362		106
34		49	
363	140	0	160

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

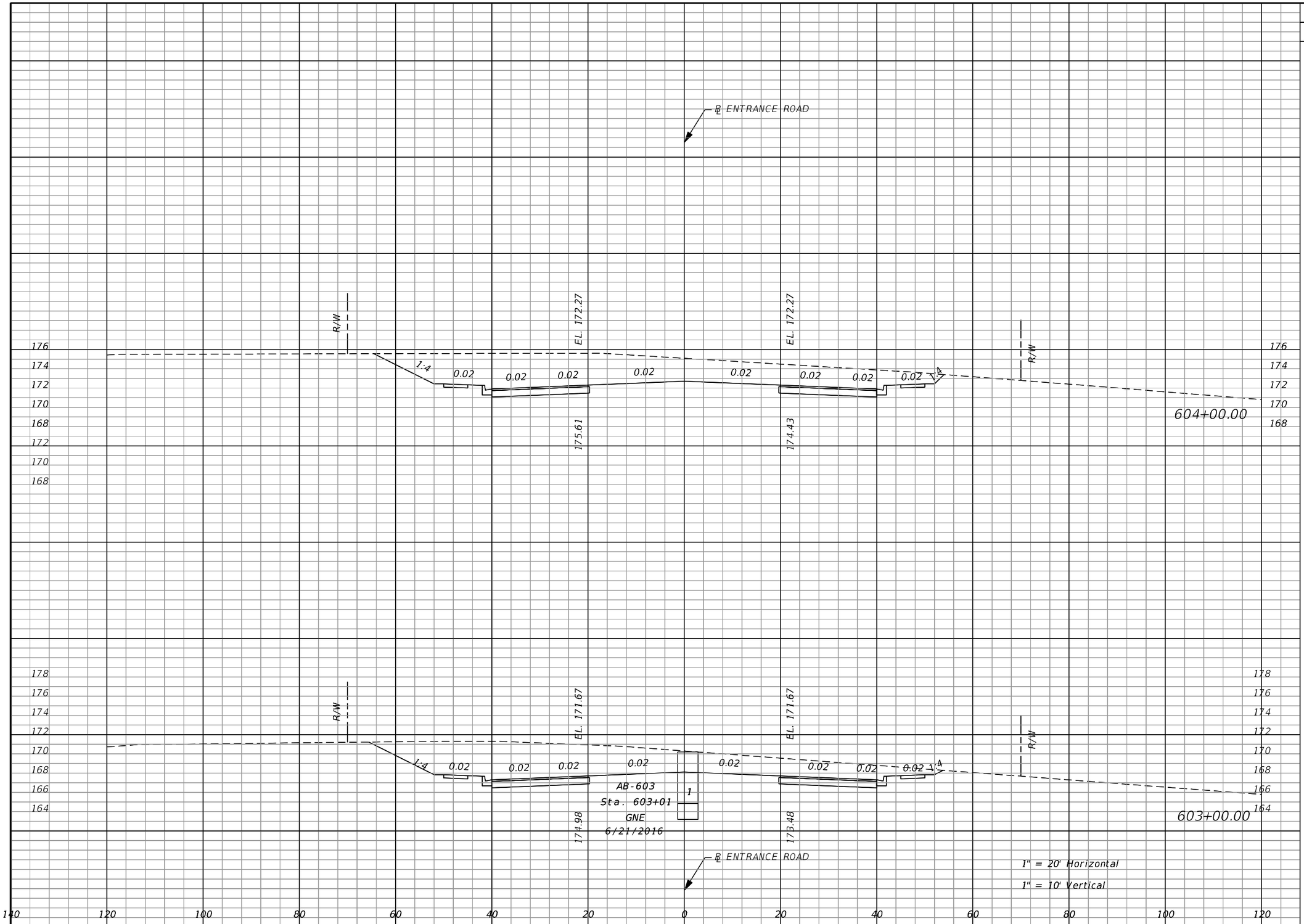
EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 285



1" = 20' Horizontal

1" = 10' Vertical

Regular Exc.		Embankment	
A	V	A	V
	1286		0
331		0	
	1204		0
319		0	

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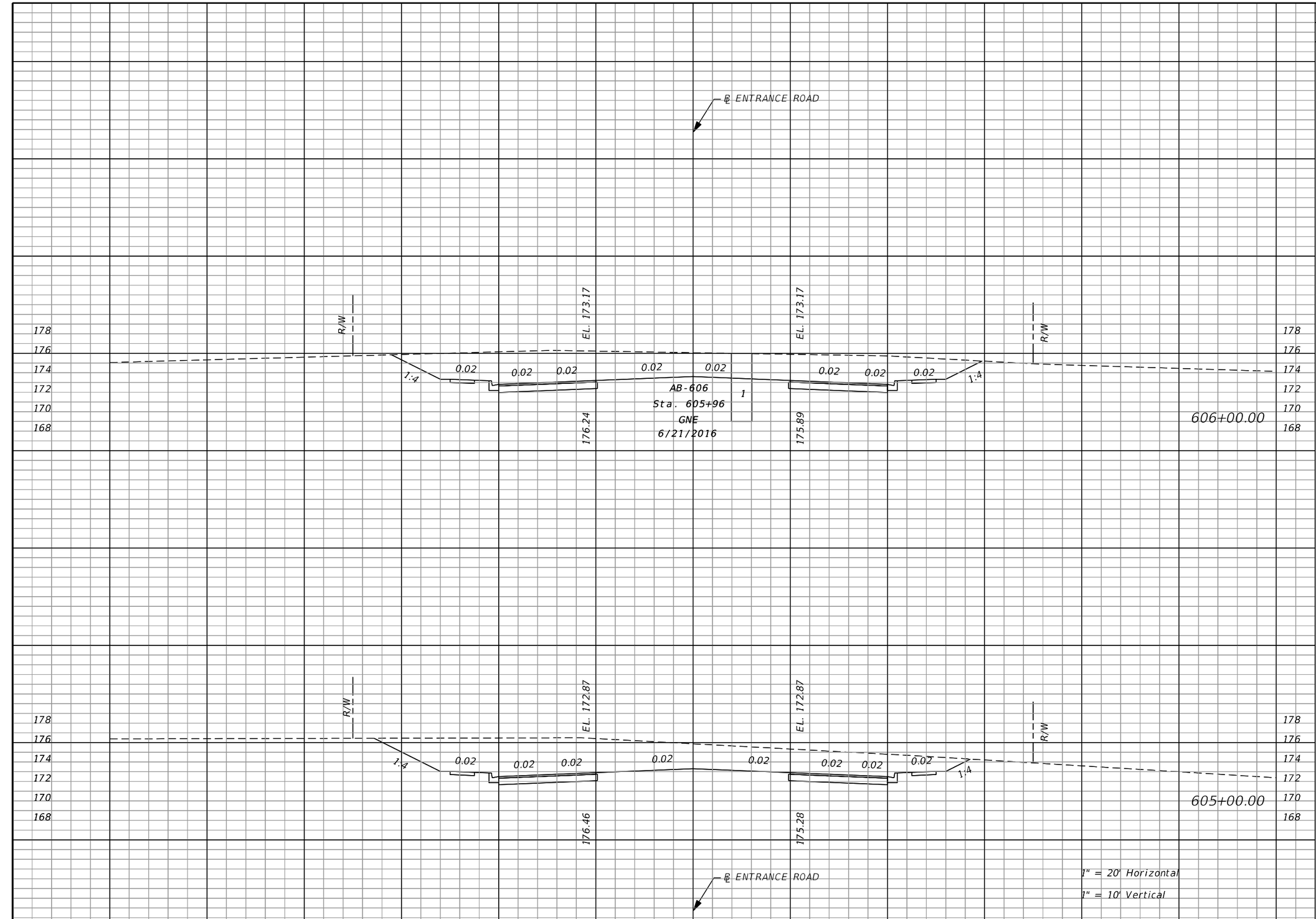
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 286



Regular Exc.		Embankment	
A	V	A	V
	1056		0
351		0	
	1322		0
363		0	

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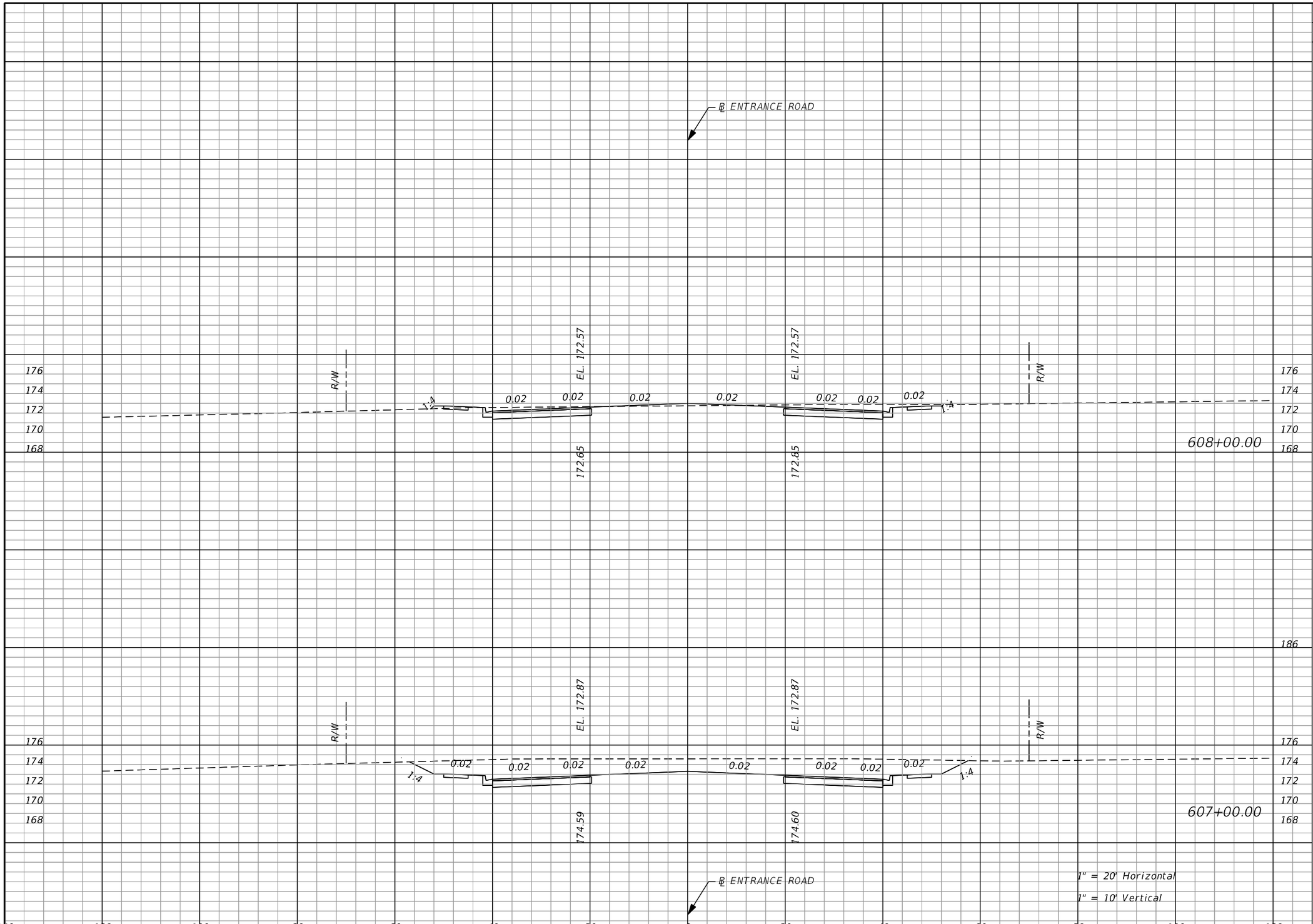
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 287



Regular Exc.		Embankment	
A	V	A	V
57	143	4	88
219	512	0	8

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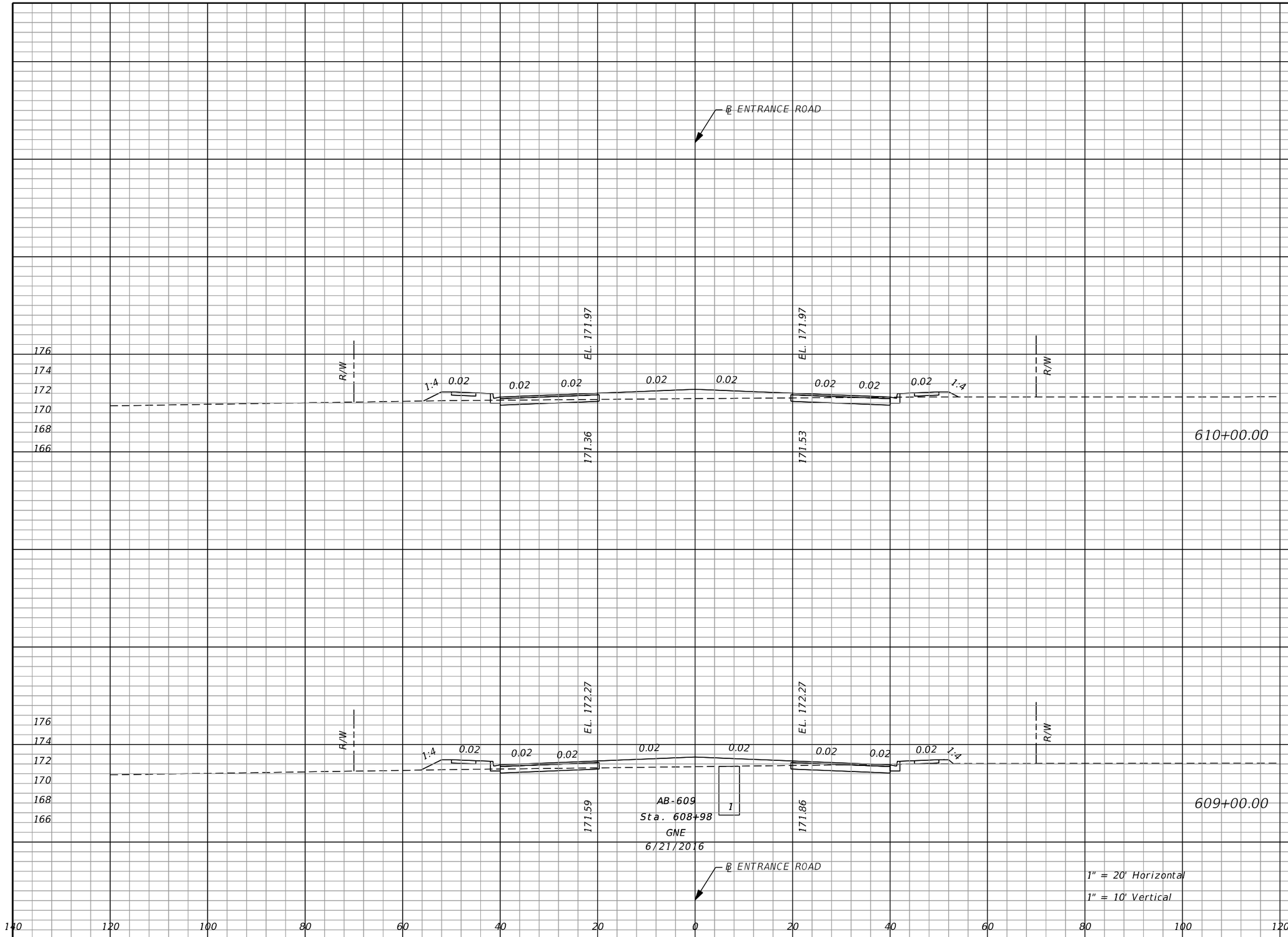
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 288



Regular Exc.		Embankment	
A	V	A	V
	111		111
21		42	
	75		157
20		43	

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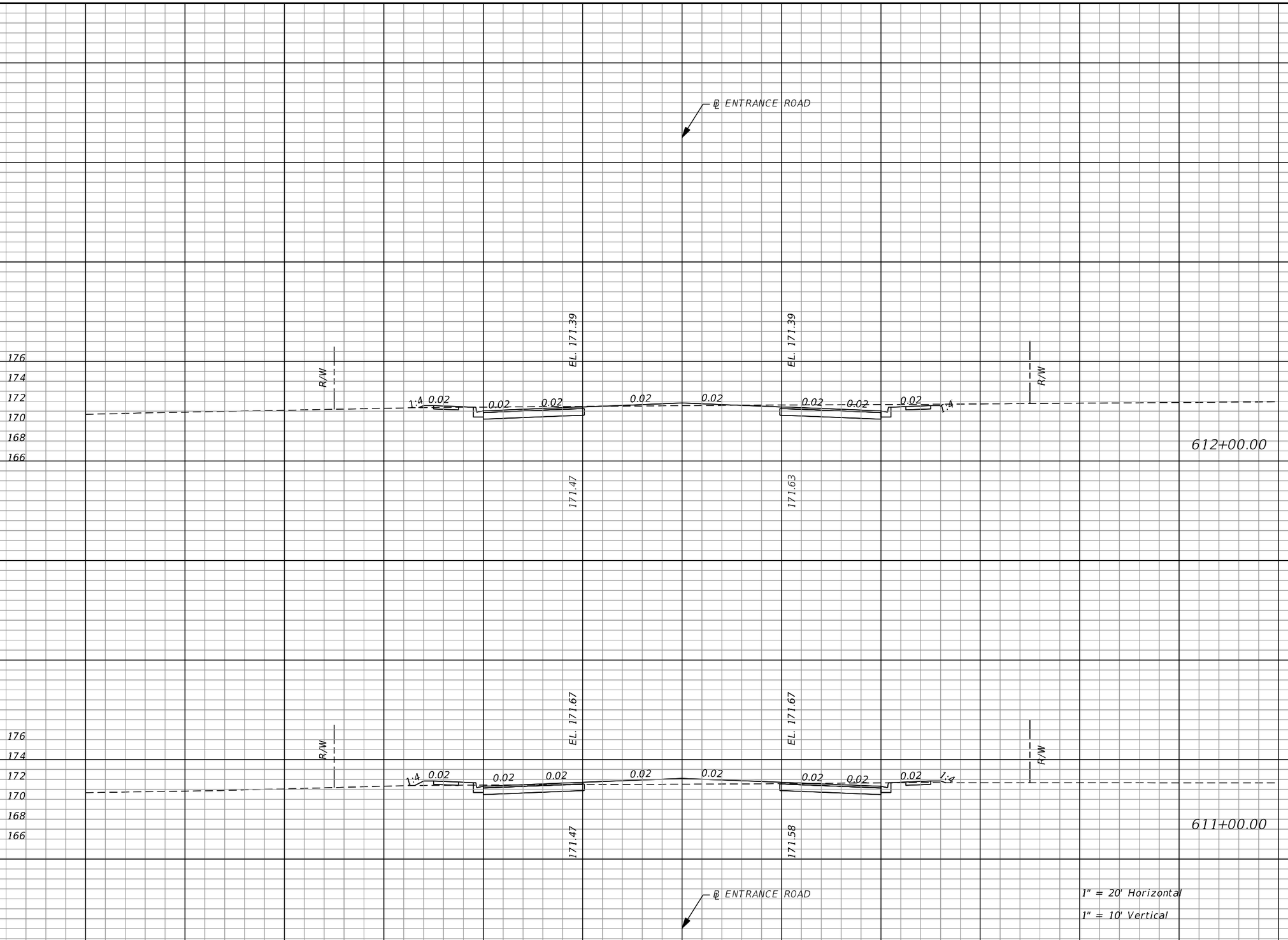
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 289



Regular Exc.		Embankment	
A	V	A	V
57	154	4	71
39	178	18	42

REVISIONS			
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N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 290

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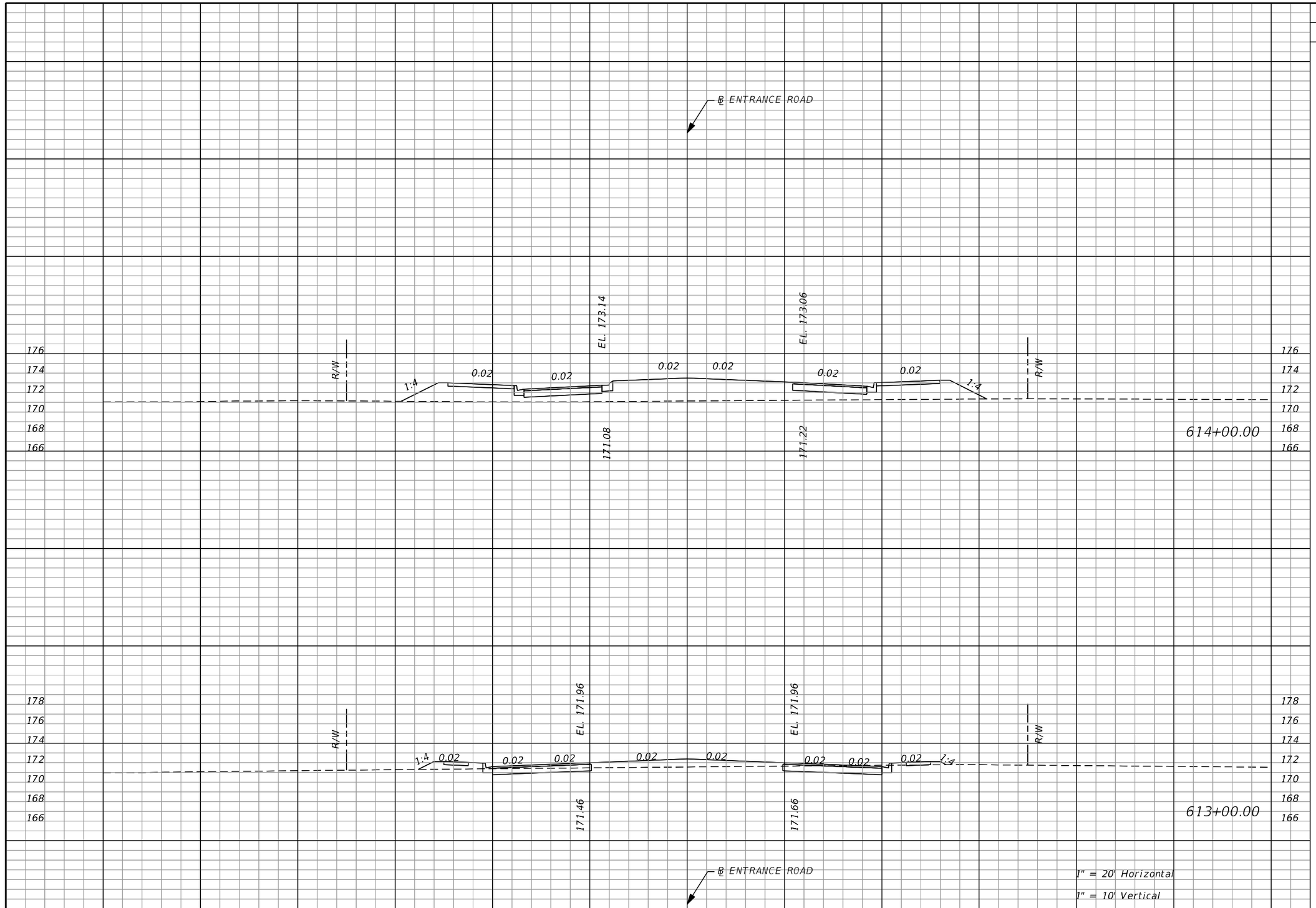

Regular Exc.		Embankment	
A	V	A	V
	0		1169
0		170	
	49		377
27		34	

REVISIONS

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N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 291

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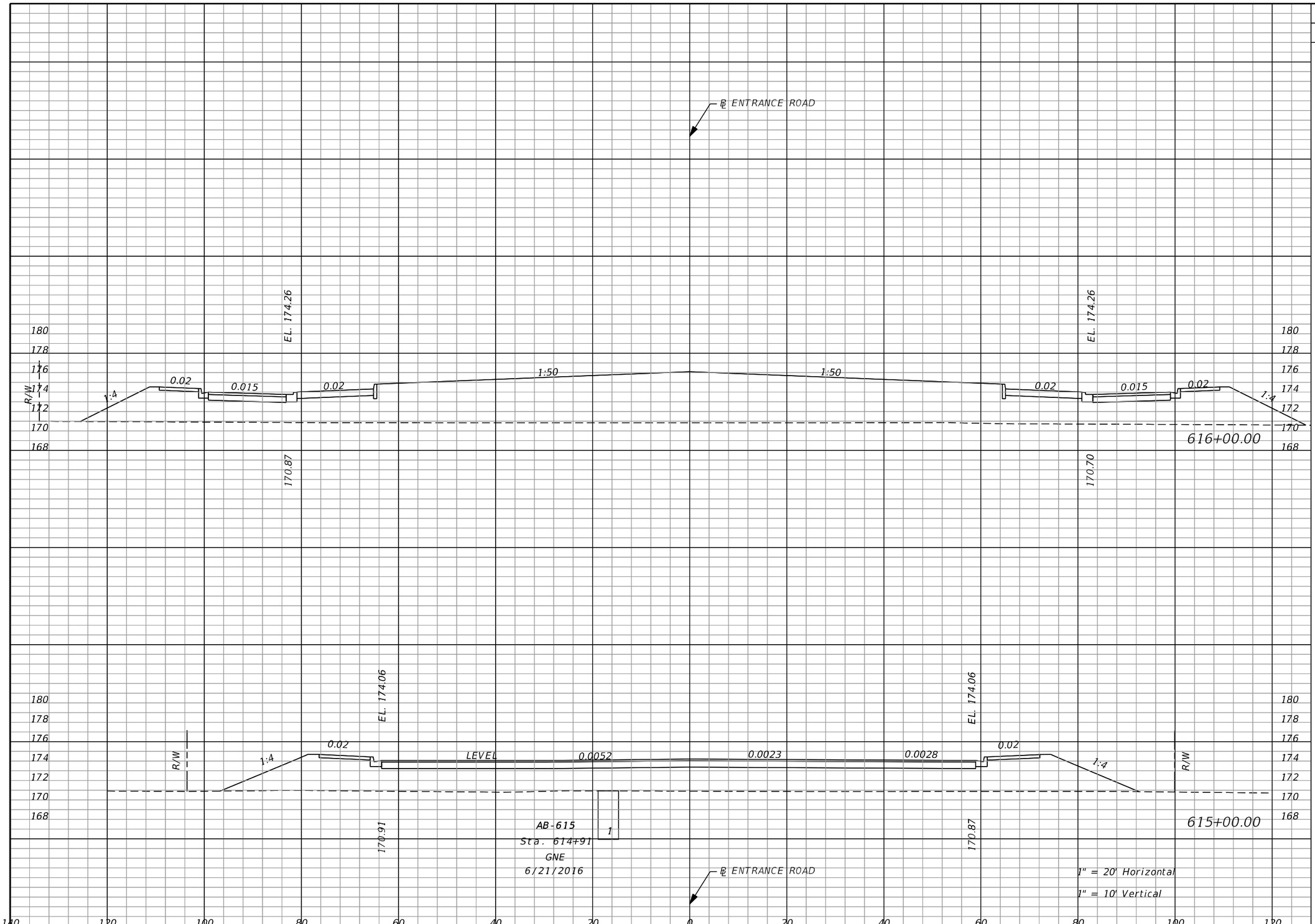

Regular Exc.		Embankment	
A	V	A	V
	0		2465
0		955	
	0		2624
0		462	

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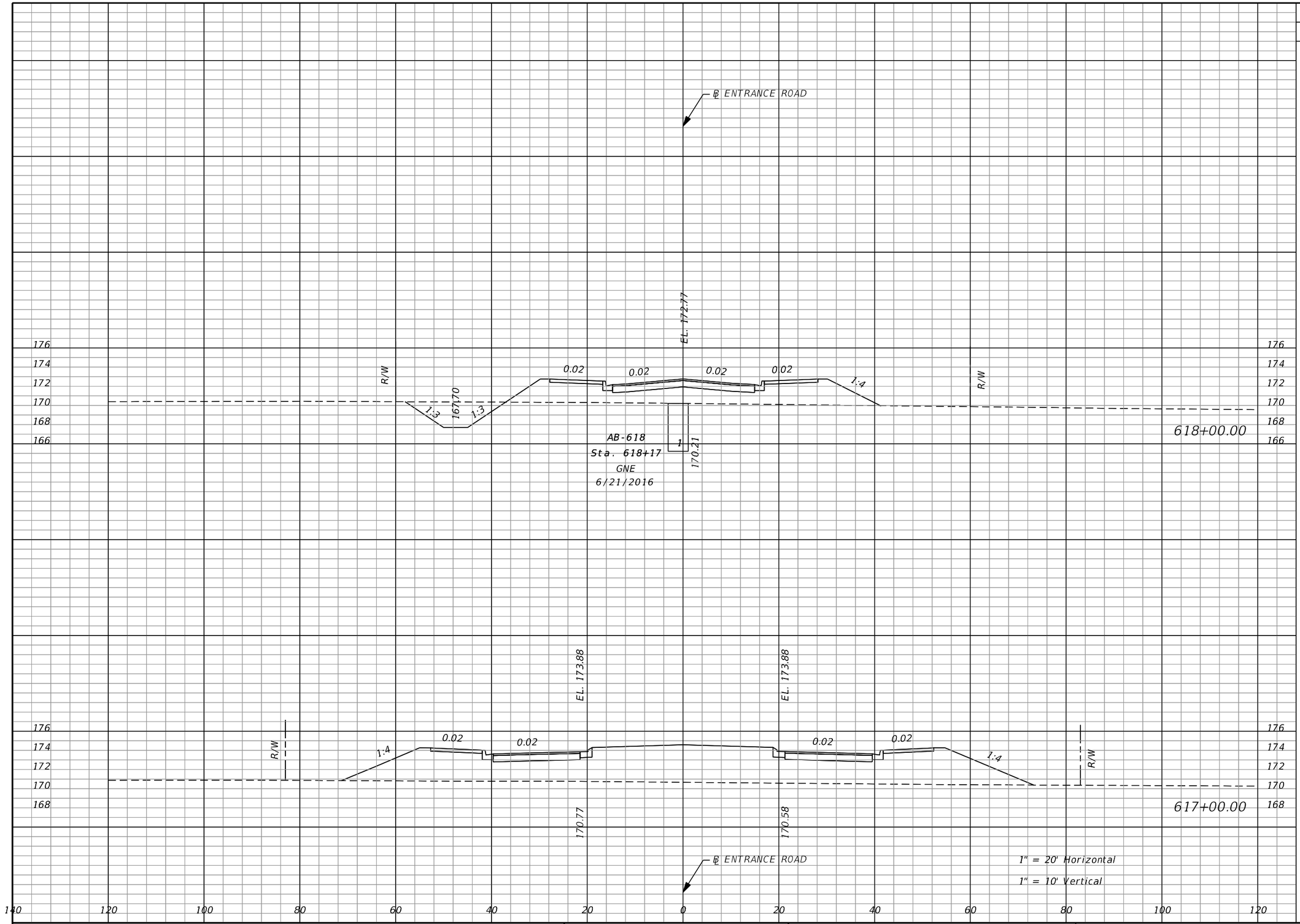
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 292



Regular Exc.		Embankment	
A	V	A	V
	106		446
35		128	
	64		933
0		376	

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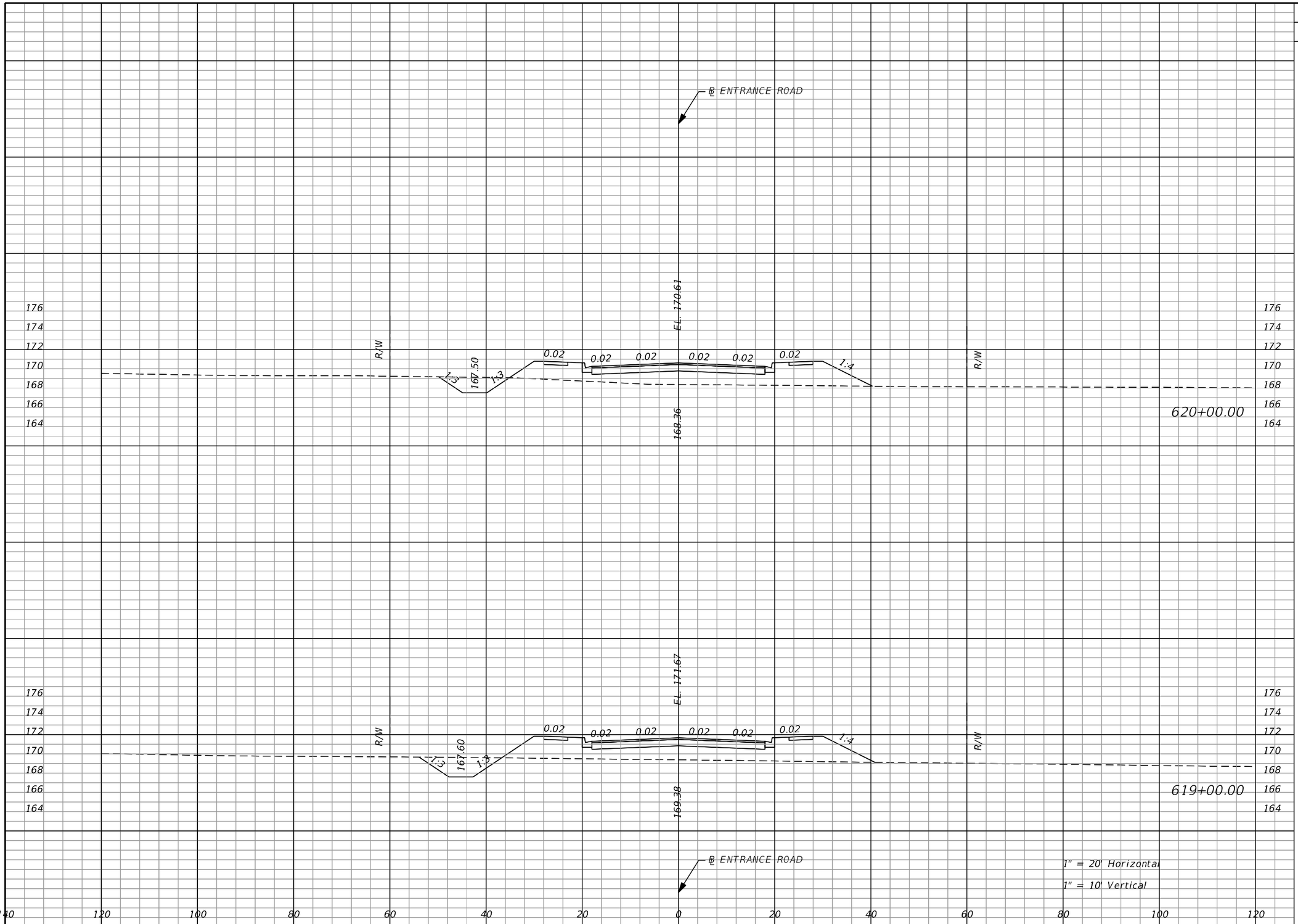
CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 293



Regular Exc.		Embankment	
A	V	A	V
16	62	105	319
71			412
23		118	

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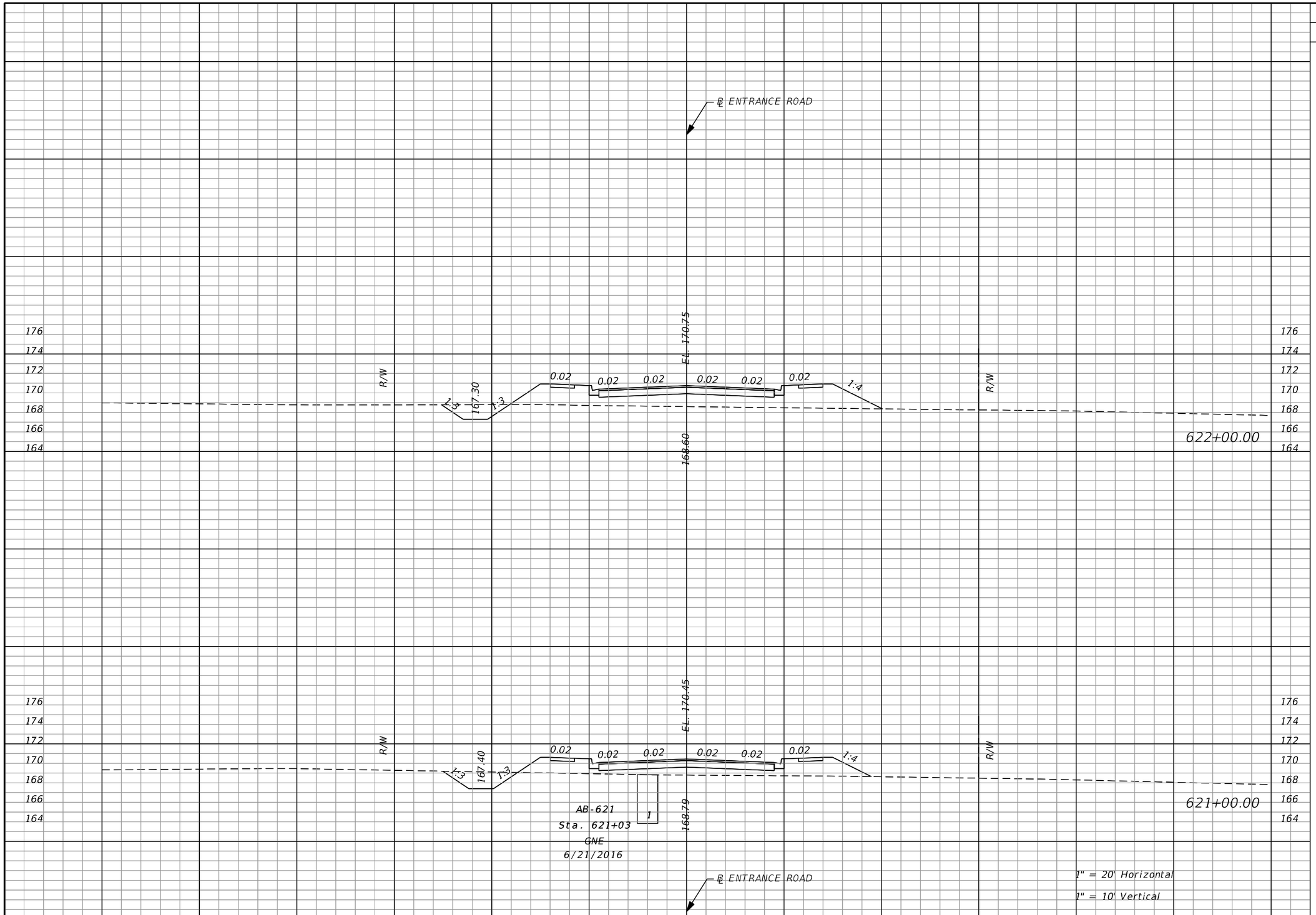
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 294



Regular Exc.		Embankment	
A	V	A	V
	53		453
14		107	
	59		322
18		67	

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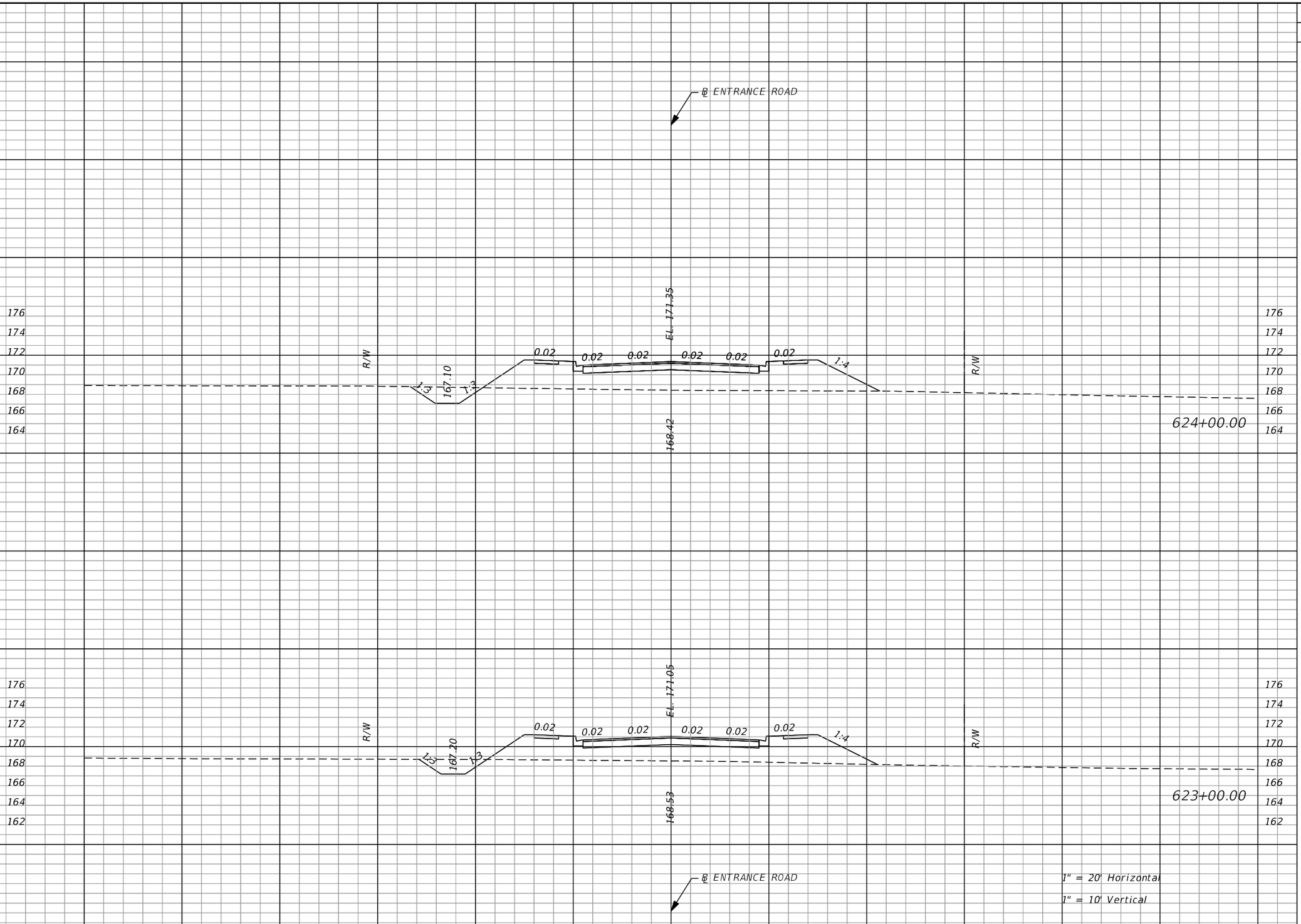
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 295



Regular Exc.		Embankment	
A	V	A	V
16	70	165	589
14	56	138	560

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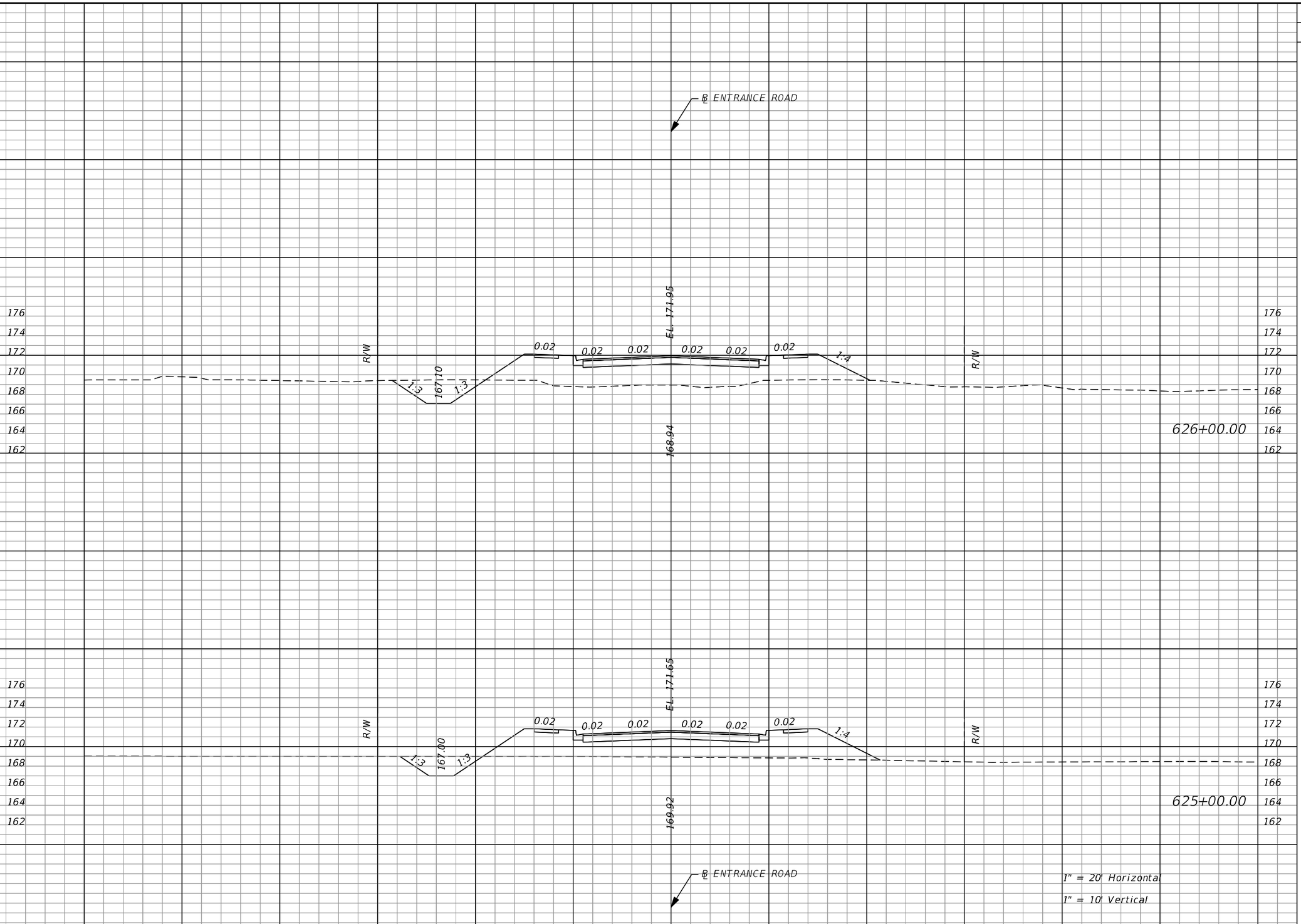
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 296



Regular Exc.		Embankment	
A	V	A	V
	86		661
29		158	
	94		578
22		154	

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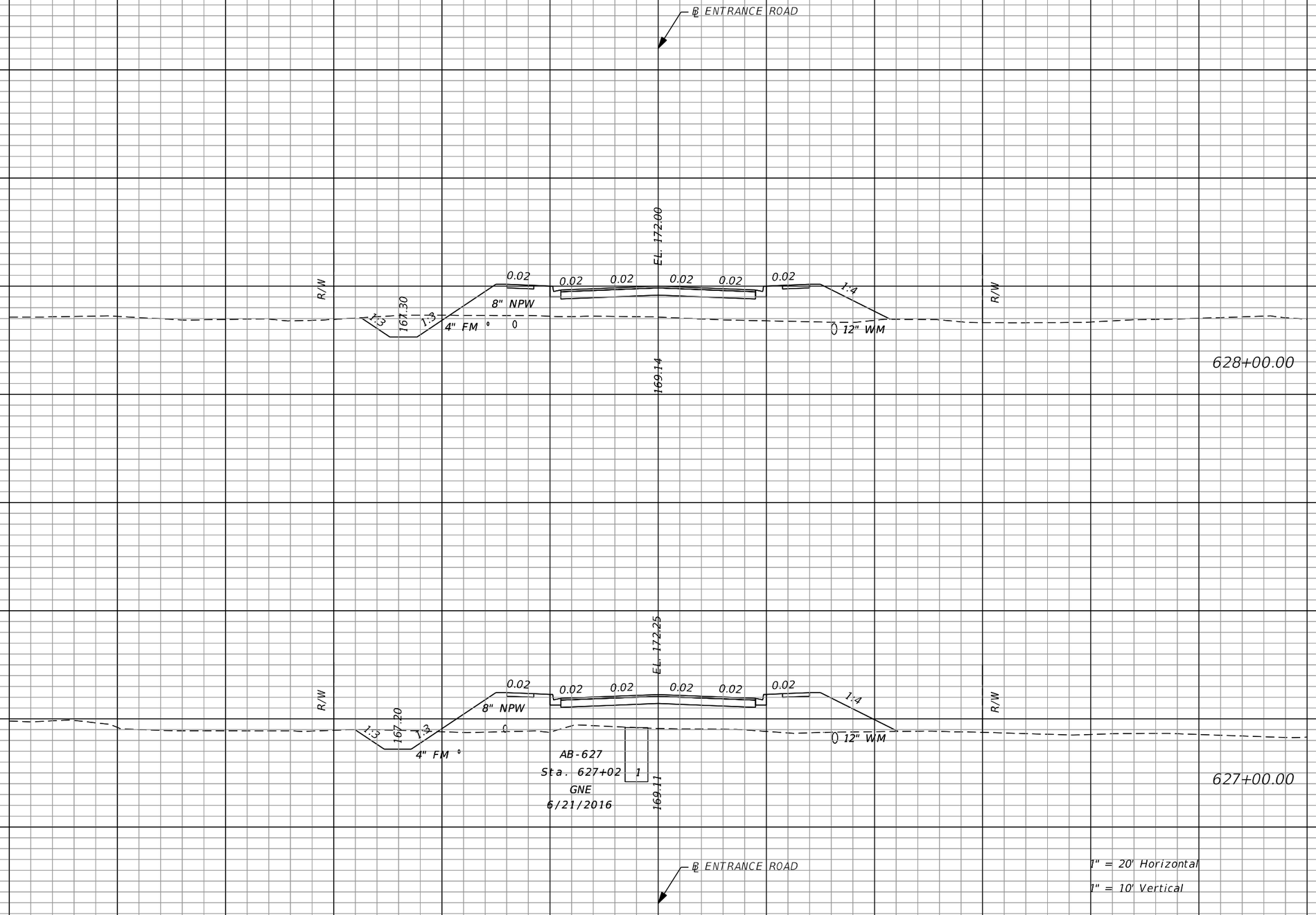
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 297



Regular Exc.		Embankment	
A	V	A	V
21	76	172	556
18	72	199	686

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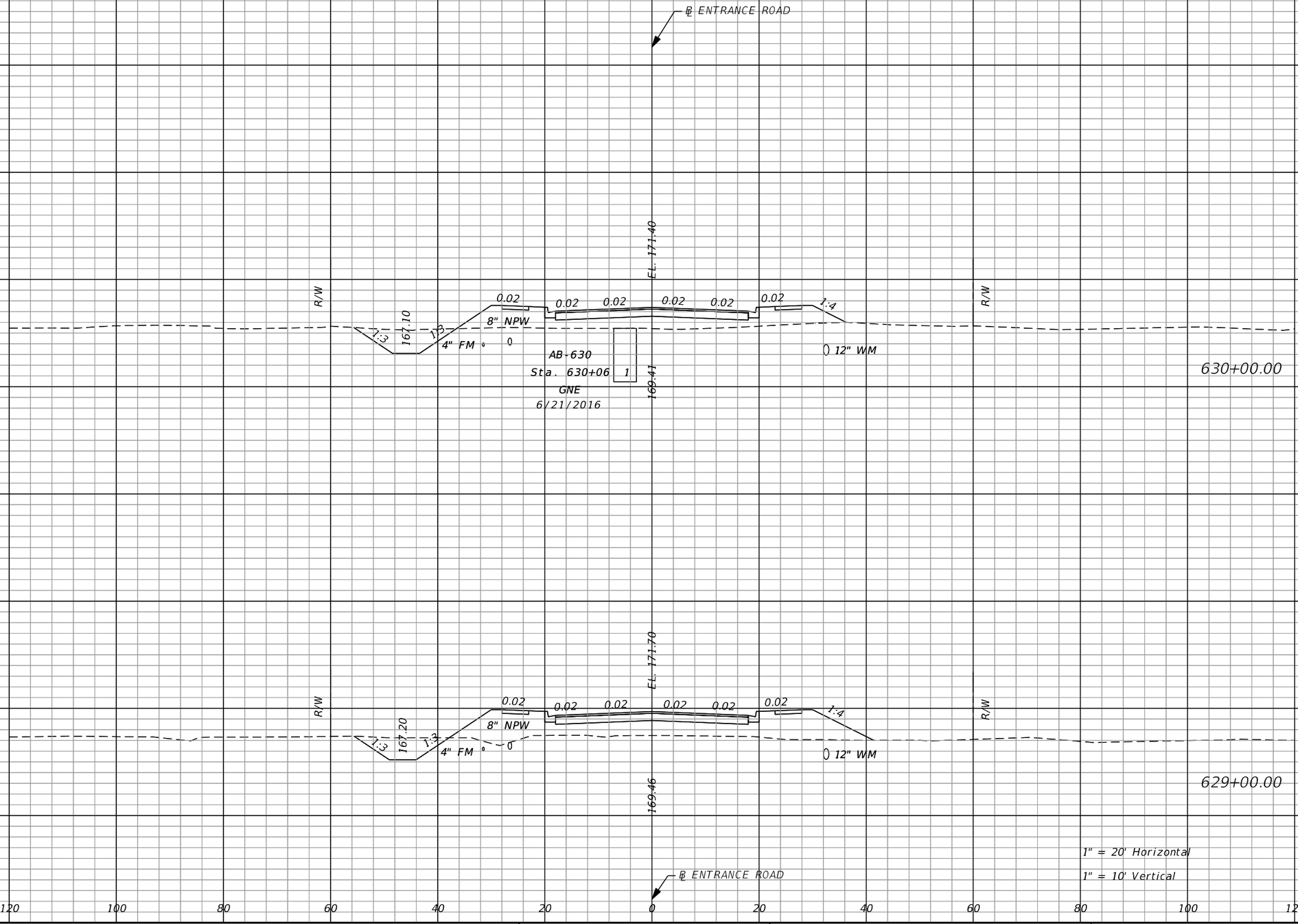
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 298



Regular Exc.		Embankment	
A	V	A	V
	40		232
20		84	
	73		393
20		129	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
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STATE OF FLORIDA
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N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 299

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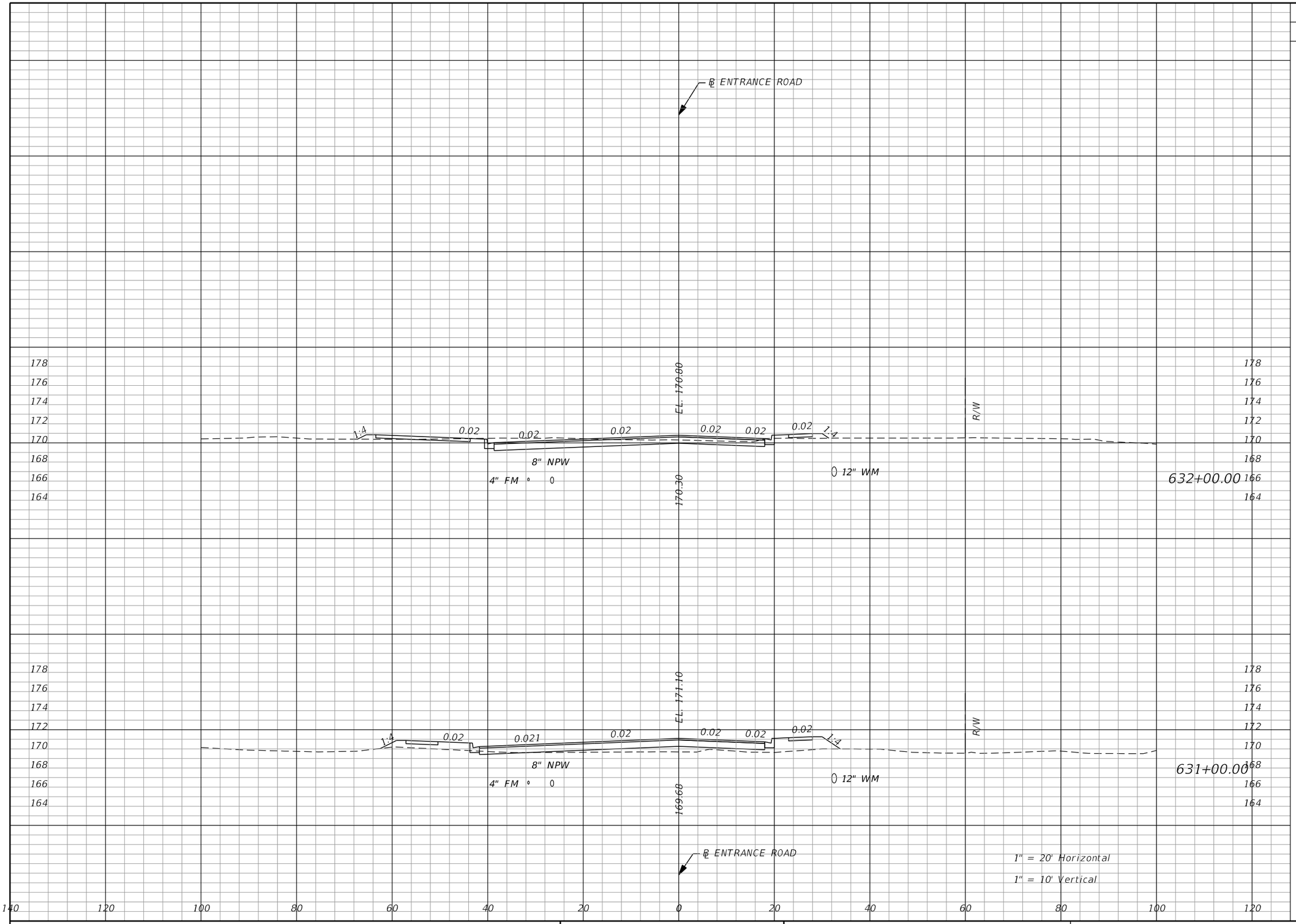

Regular Exc.		Embankment	
A	V	A	V
45	152	5	14
87			85
2		41	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
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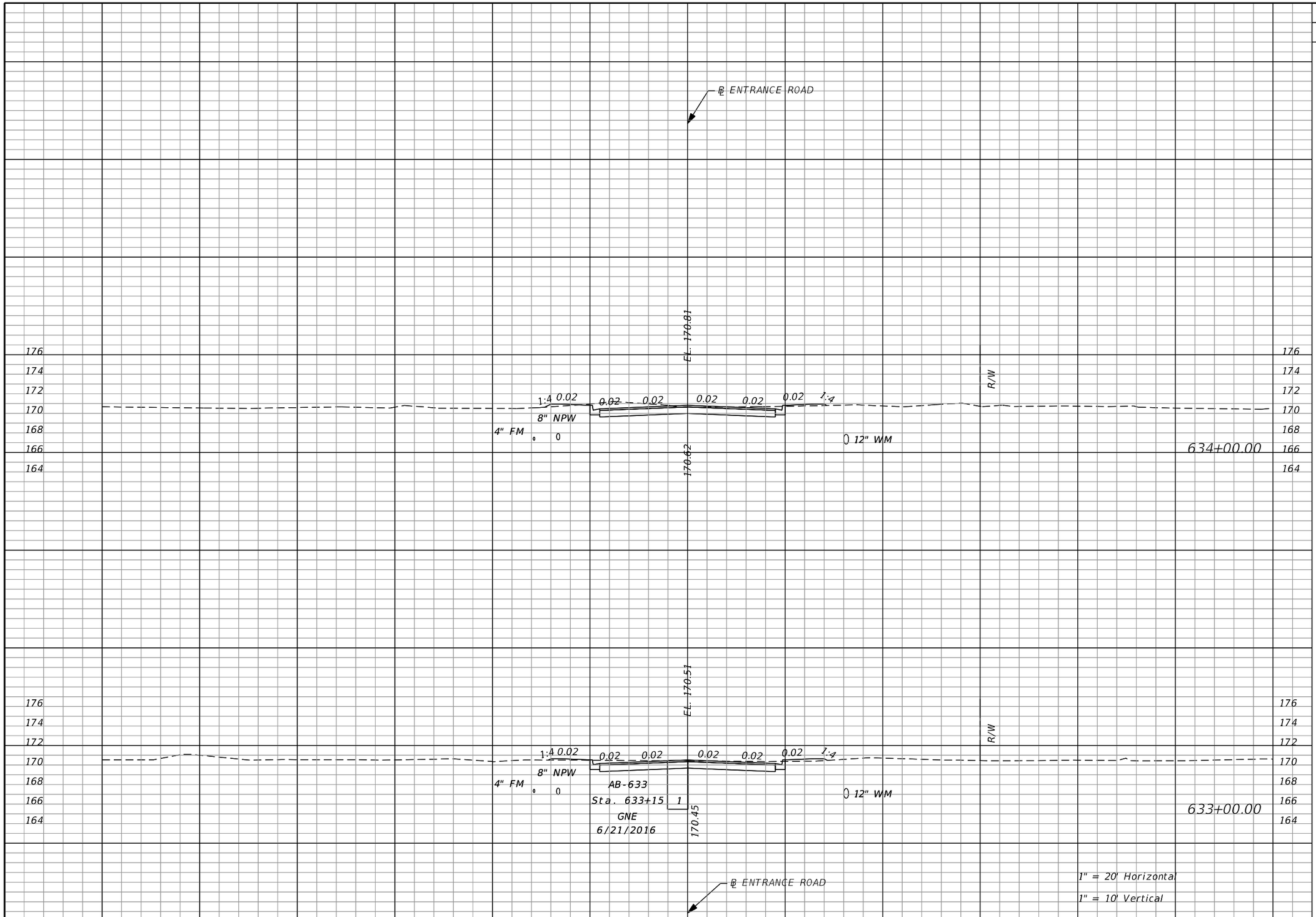
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 300



Regular Exc.		Embankment	
A	V	A	V
40	113	3	20
37	143	3	9

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REVISIONS			
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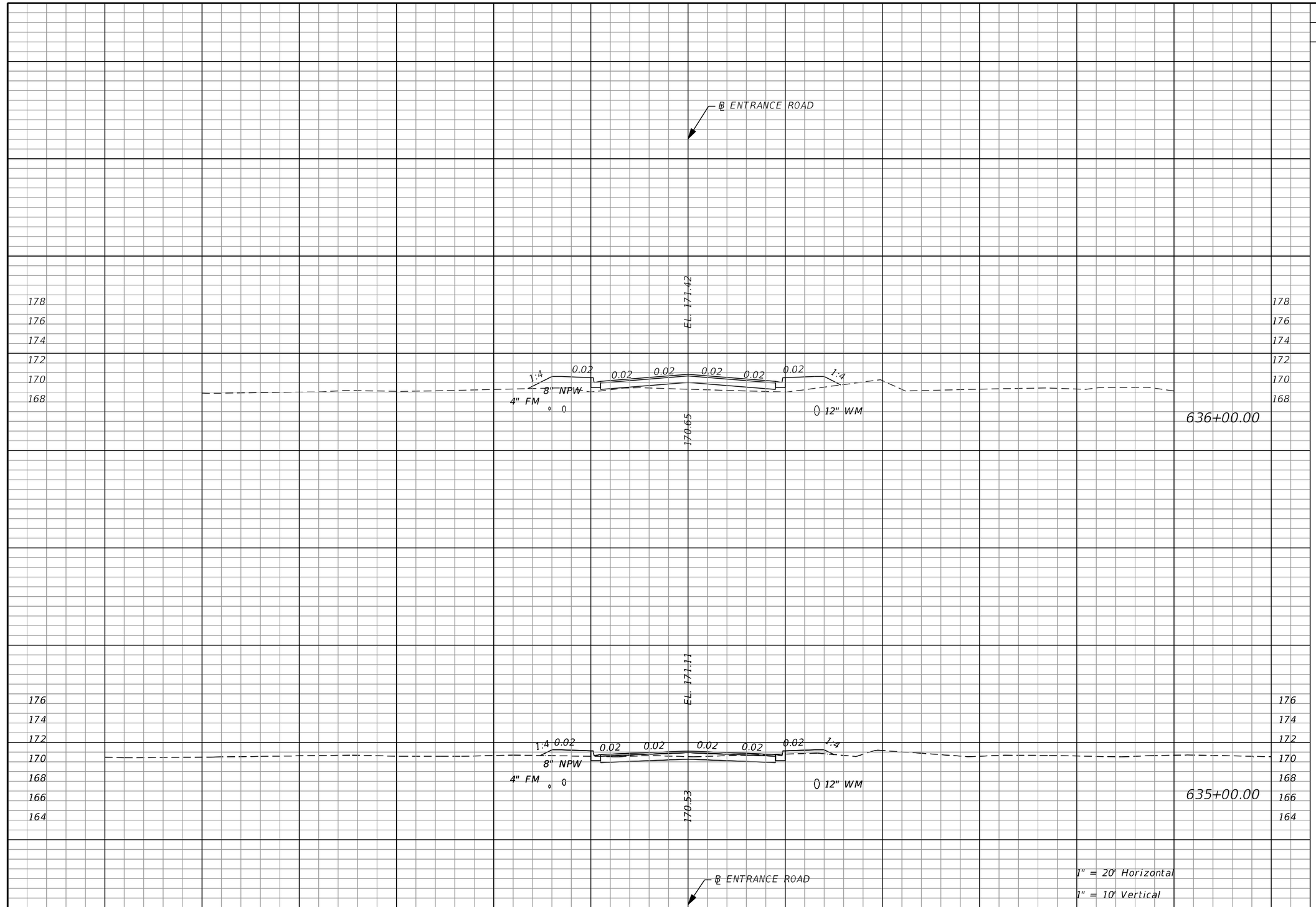
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 301



Regular Exc.		Embankment	
A	V	A	V
0	0	41	58
21	38	9	92

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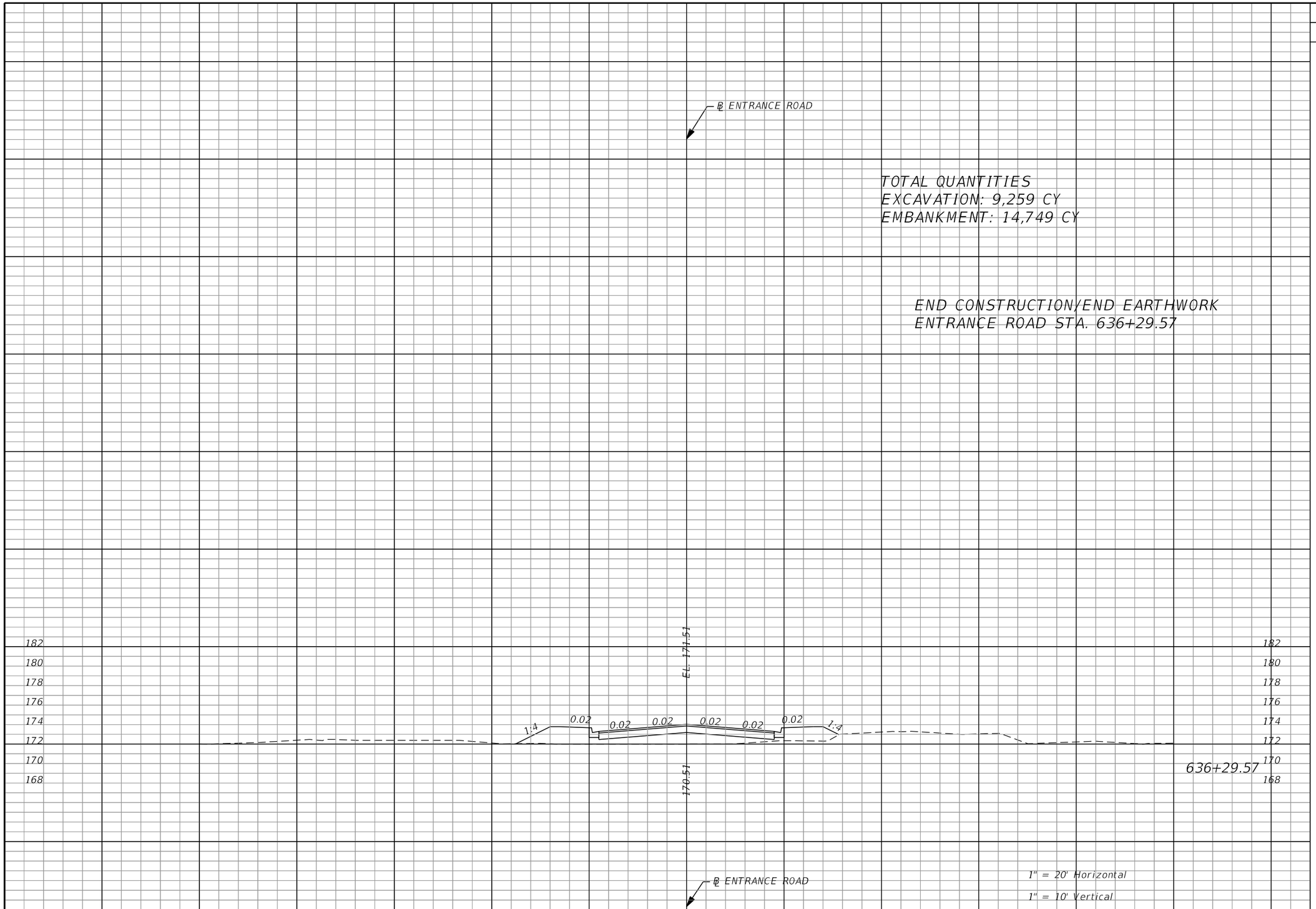
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS ENTRANCE ROAD

SHEET NO. 302



Regular Exc.		Embankment	
A	V	A	V
0		64	

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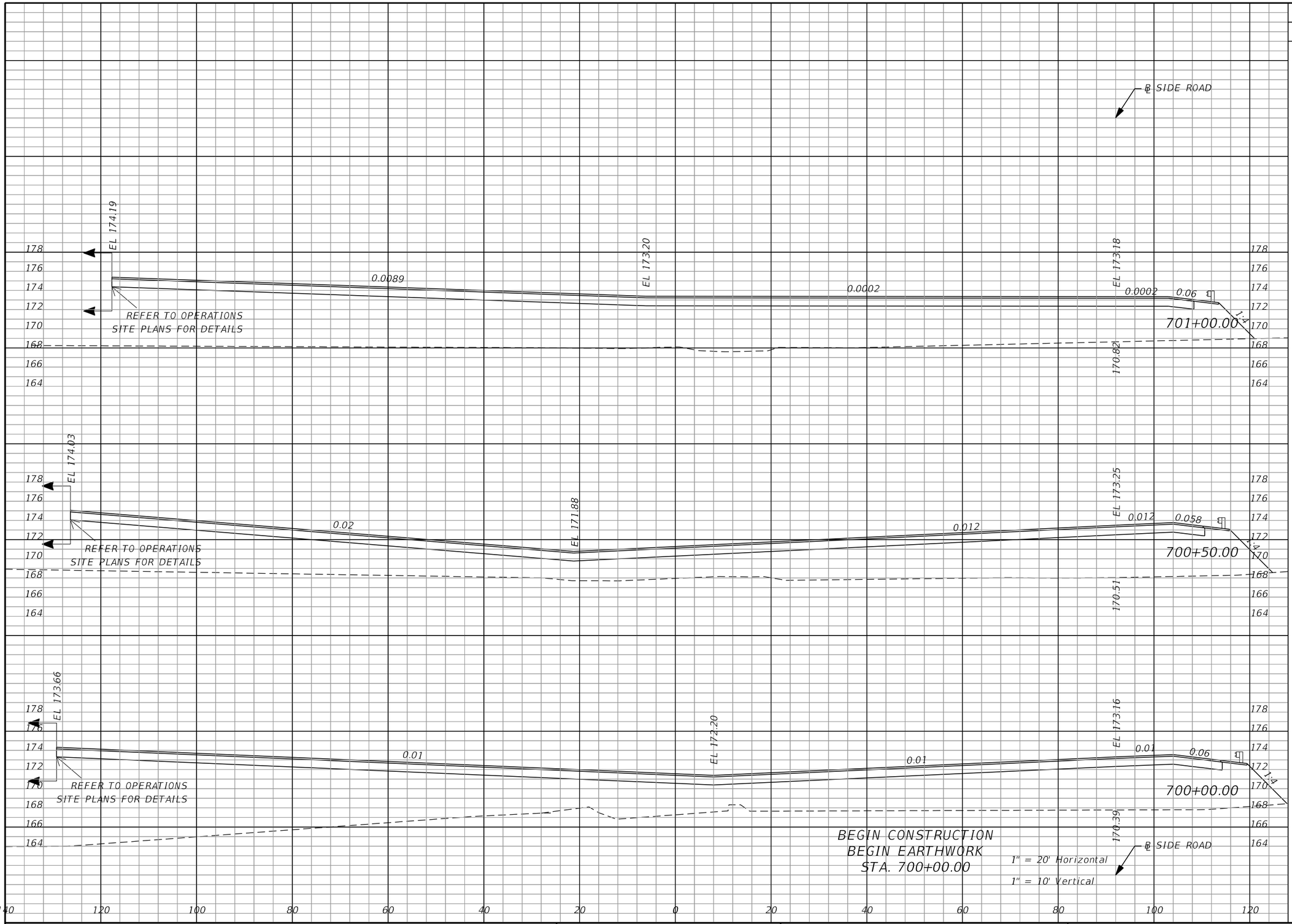
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
ENTRANCE ROAD

SHEET NO. 303



Regular Exc.		Embankment	
A	V	A	V
	0		2785
0		1200	
	0		1821
0		866	
	0		1136
0		1227	

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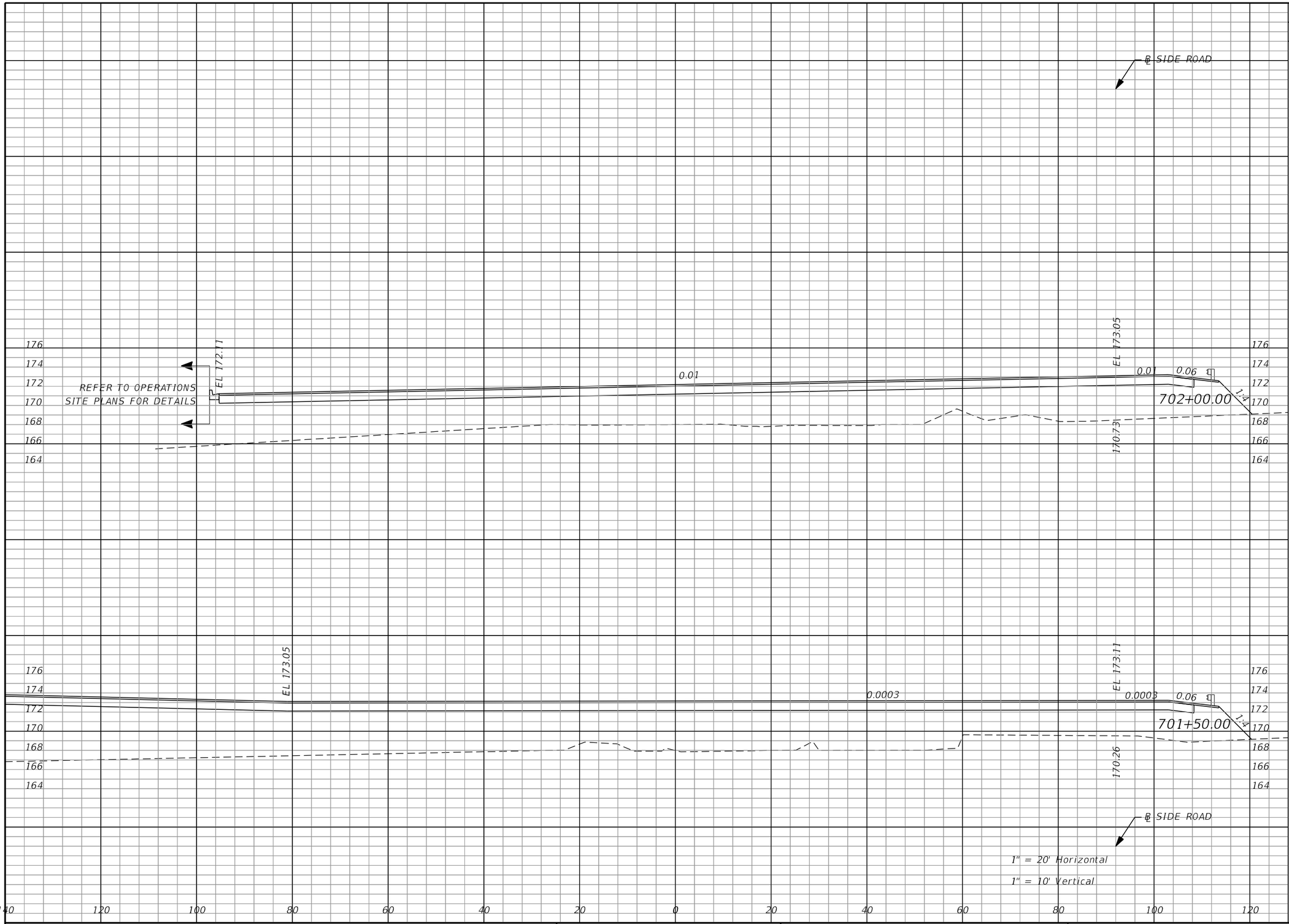
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 304



Regular Exc.		Embankment	
A	V	A	V
0	2	740	747
0	0	1906	2451

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

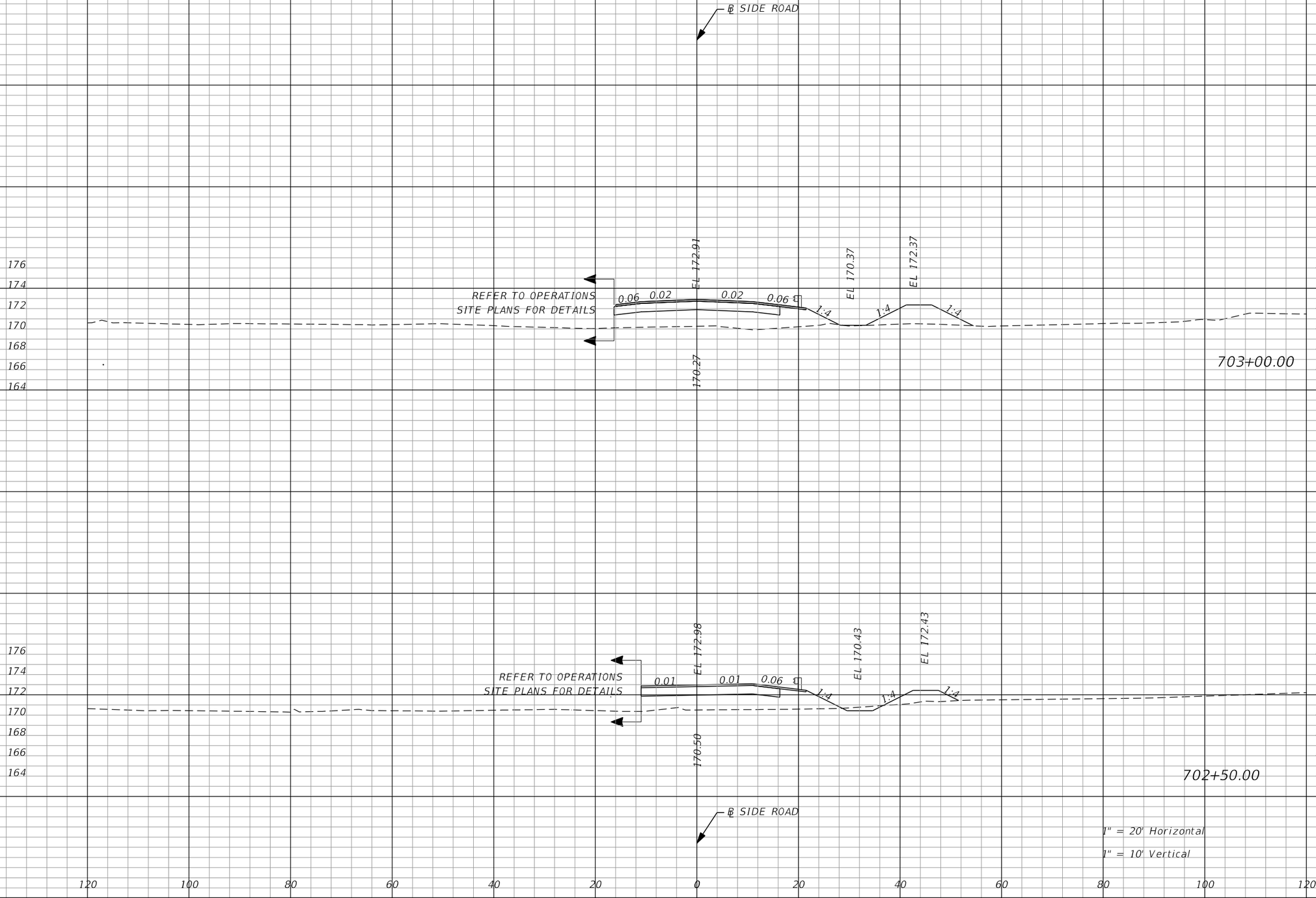
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 305

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



Regular Exc.		Embankment	
A	V	A	V
	0		200
0		91	
	2		146
2		68	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
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ALTAMONTE SPRINGS, FLORIDA 32714
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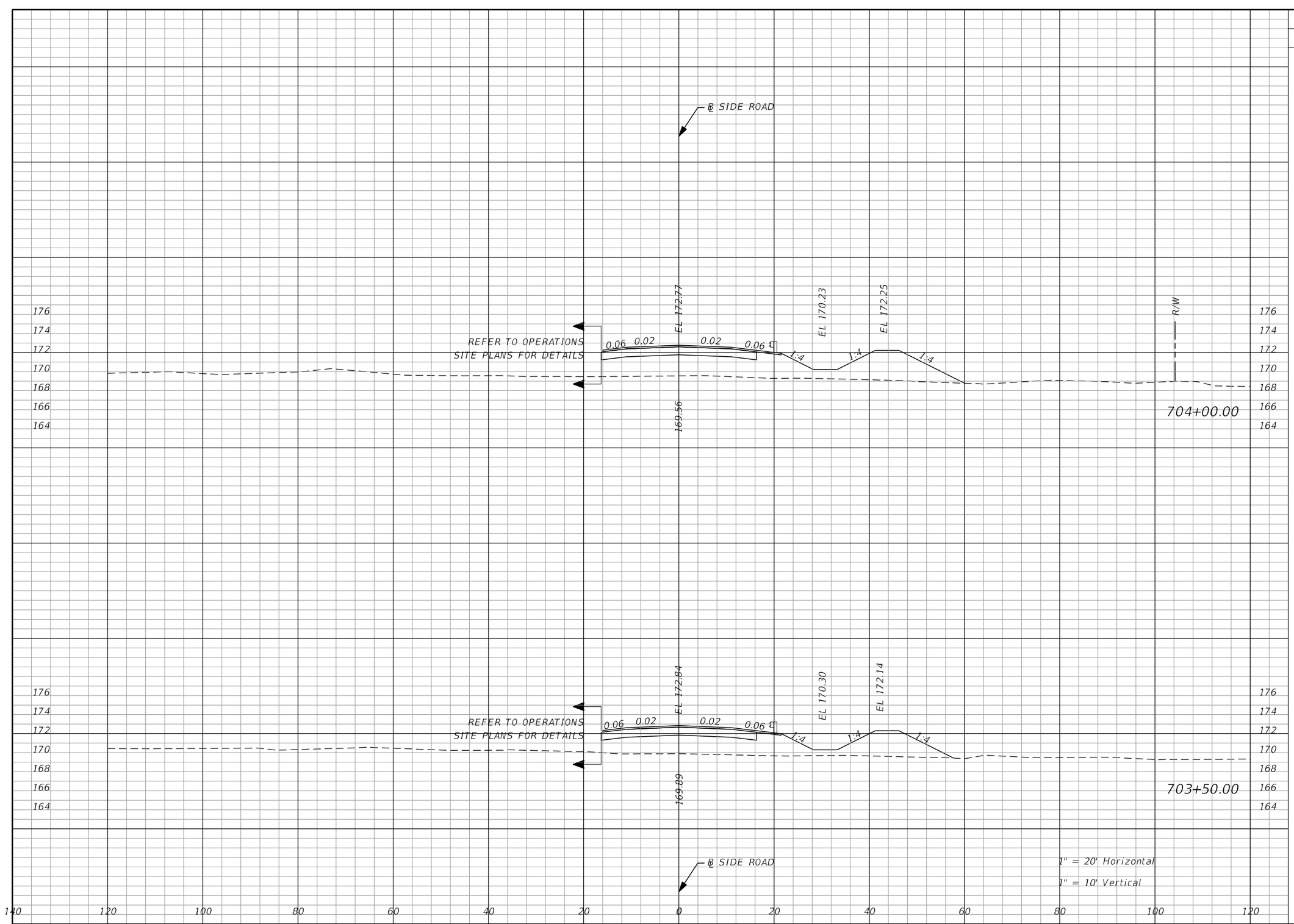
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 306



Regular Exc.		Embankment	
A	V	A	V
	0		304
0		152	
	0		257
0		126	

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REVISIONS			
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EDWARD COLON, P.E.
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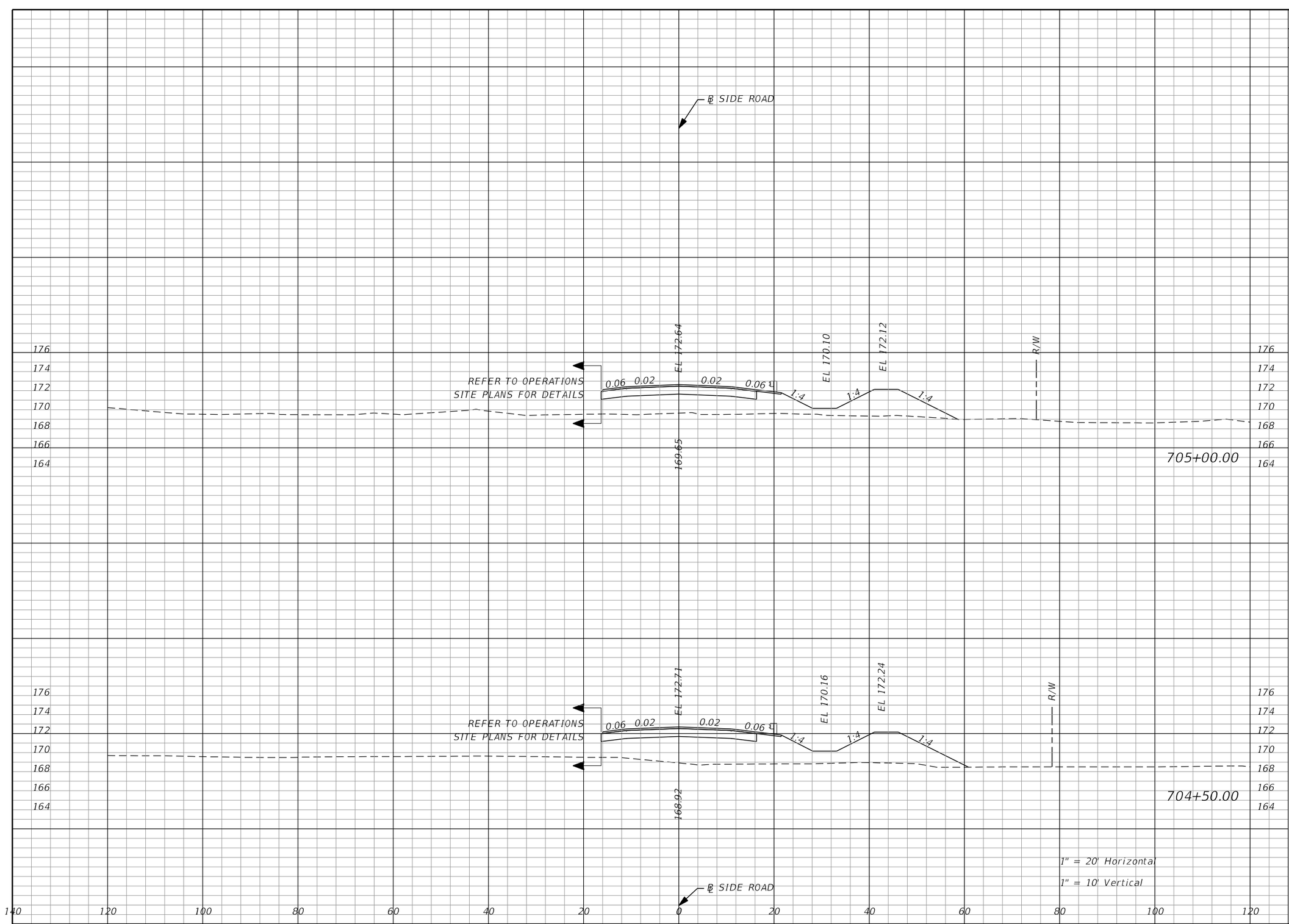
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 307



Regular Exc.		Embankment	
A	V	A	V
	0		234
0		131	
	0		285
0		176	

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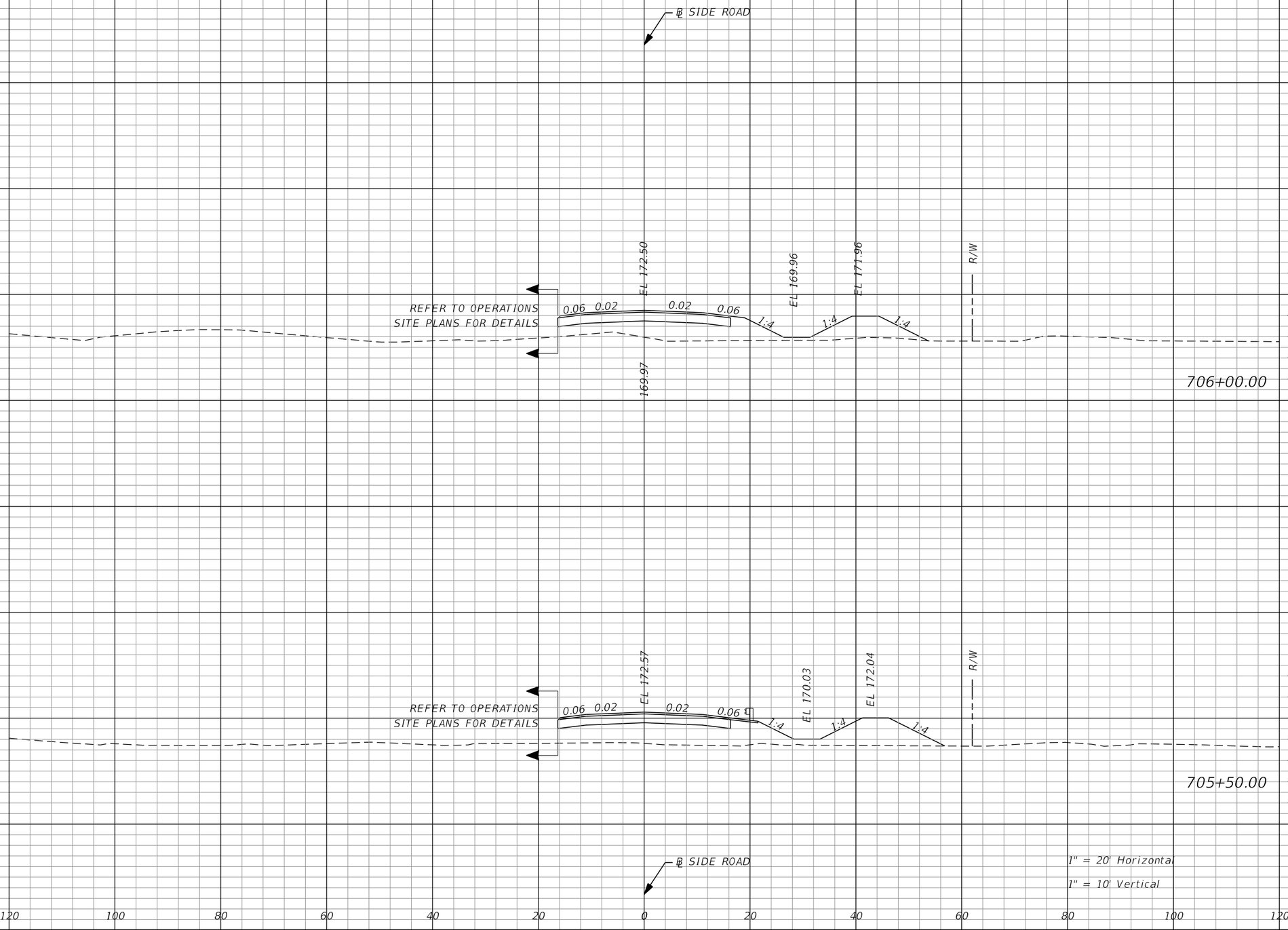
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 308



Regular Exc.		Embankment	
A	V	A	V
	3		128
0		90	
	0		196
0		122	

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 309

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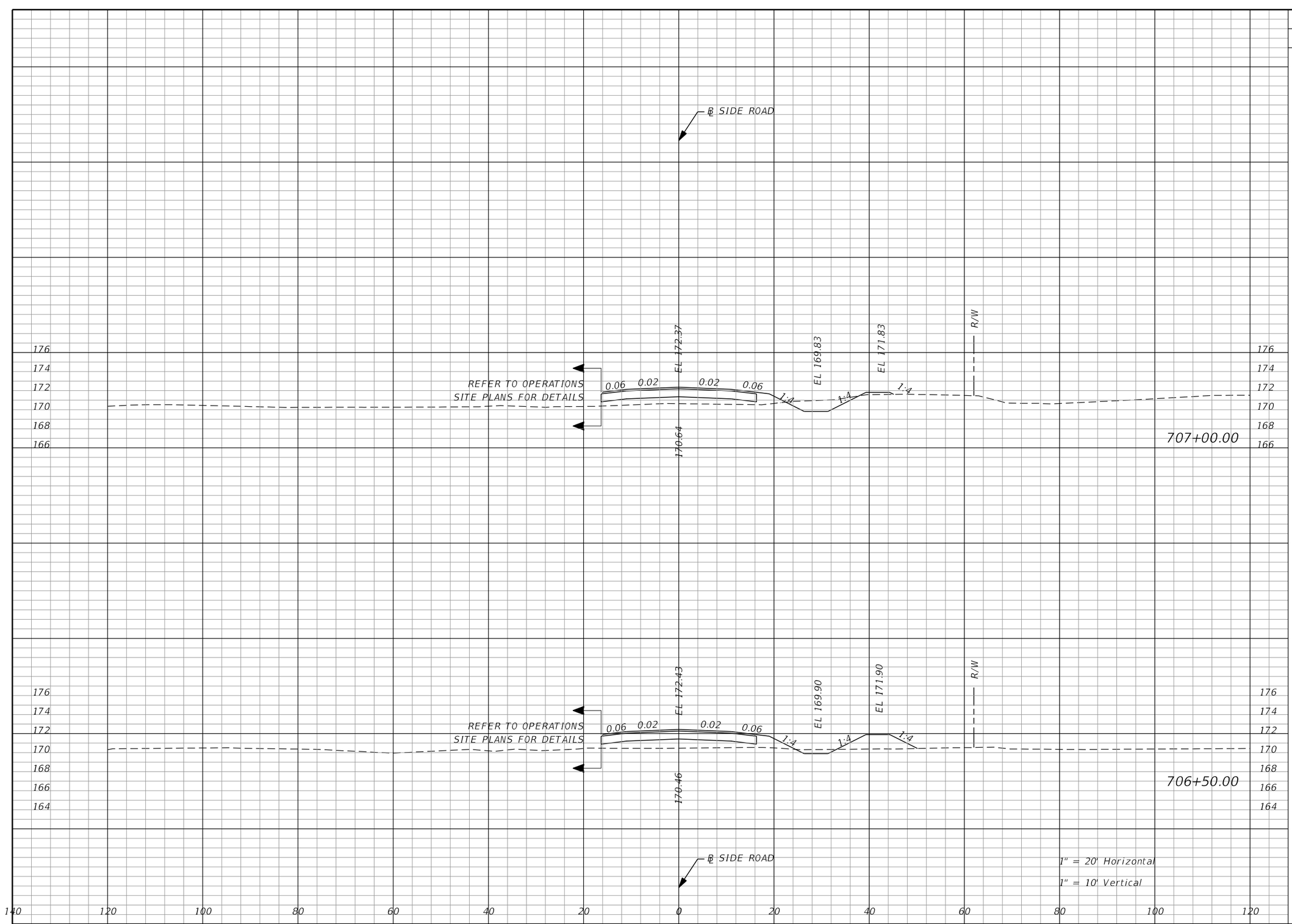

Regular Exc.		Embankment	
A	V	A	V
12	32	26	33
3	13	48	69

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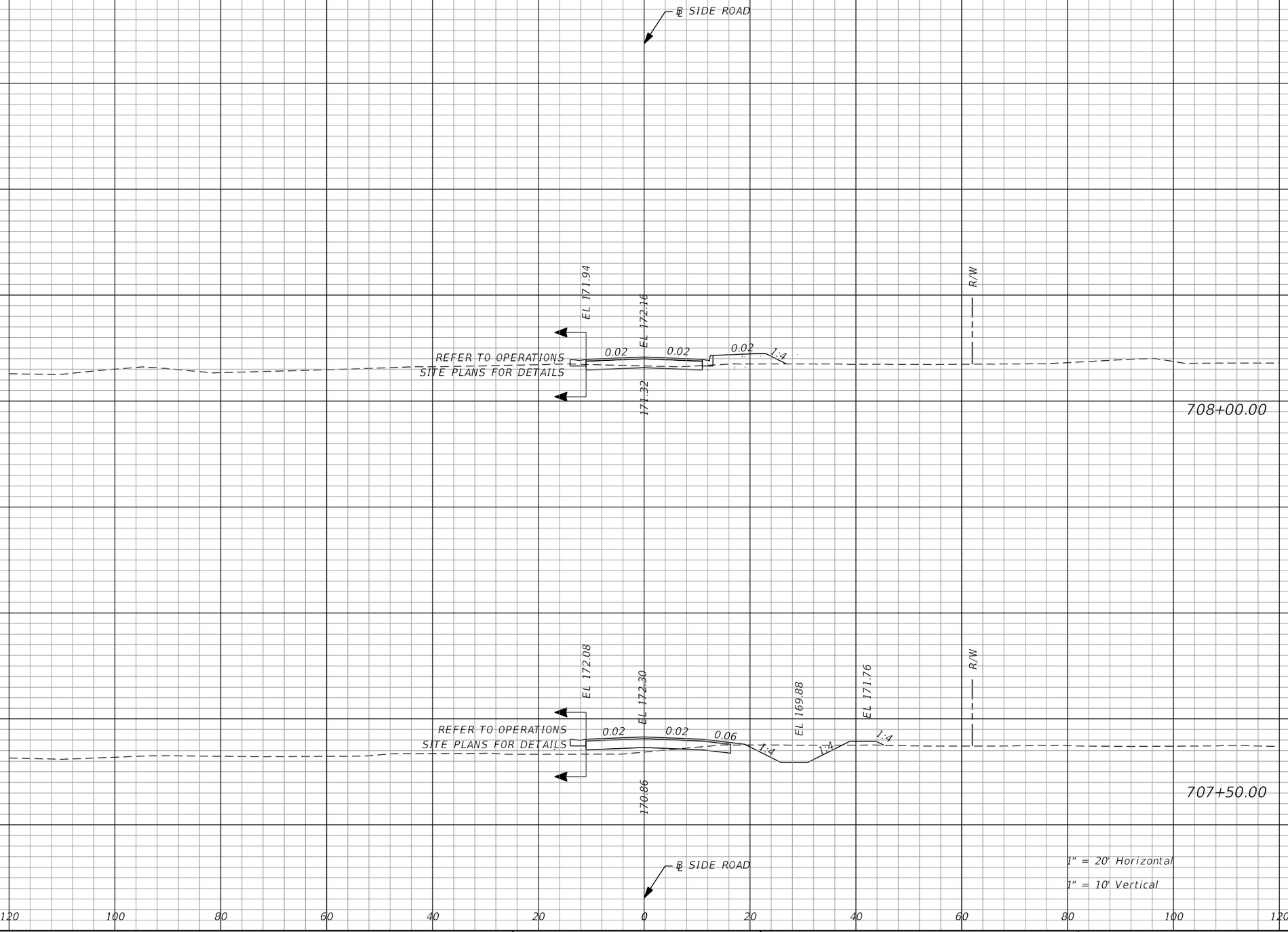
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 310



Regular Exc.		Embankment	
A	V	A	V
7	26	11	16
23	28	9	19

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EDWARD COLON, P.E.
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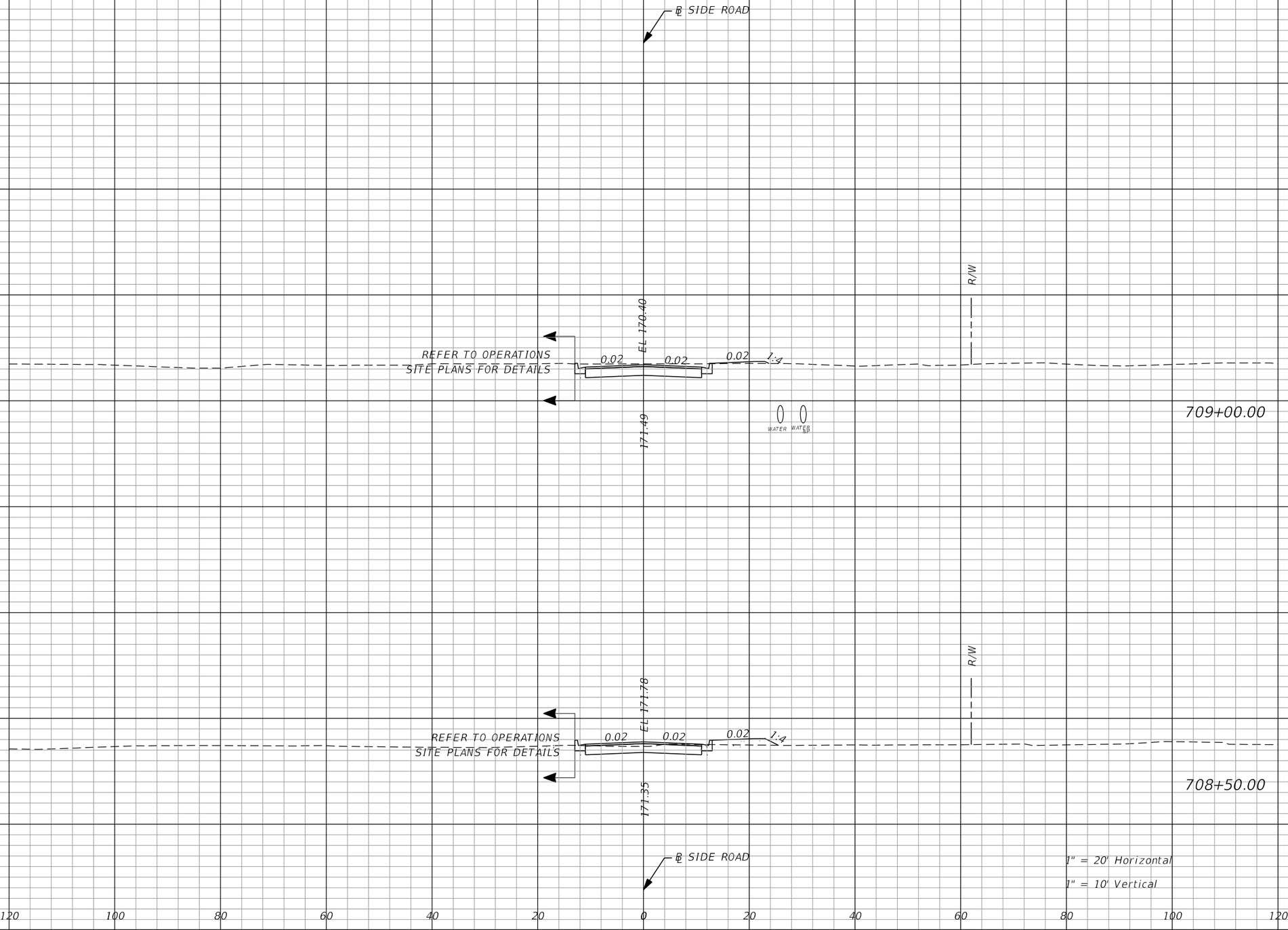
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS SIDE ROAD

SHEET NO. 311



Regular Exc.		Embankment	
A	V	A	V
30	67	2	2
21	47	6	7

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS SIDE ROAD

SHEET NO. 312

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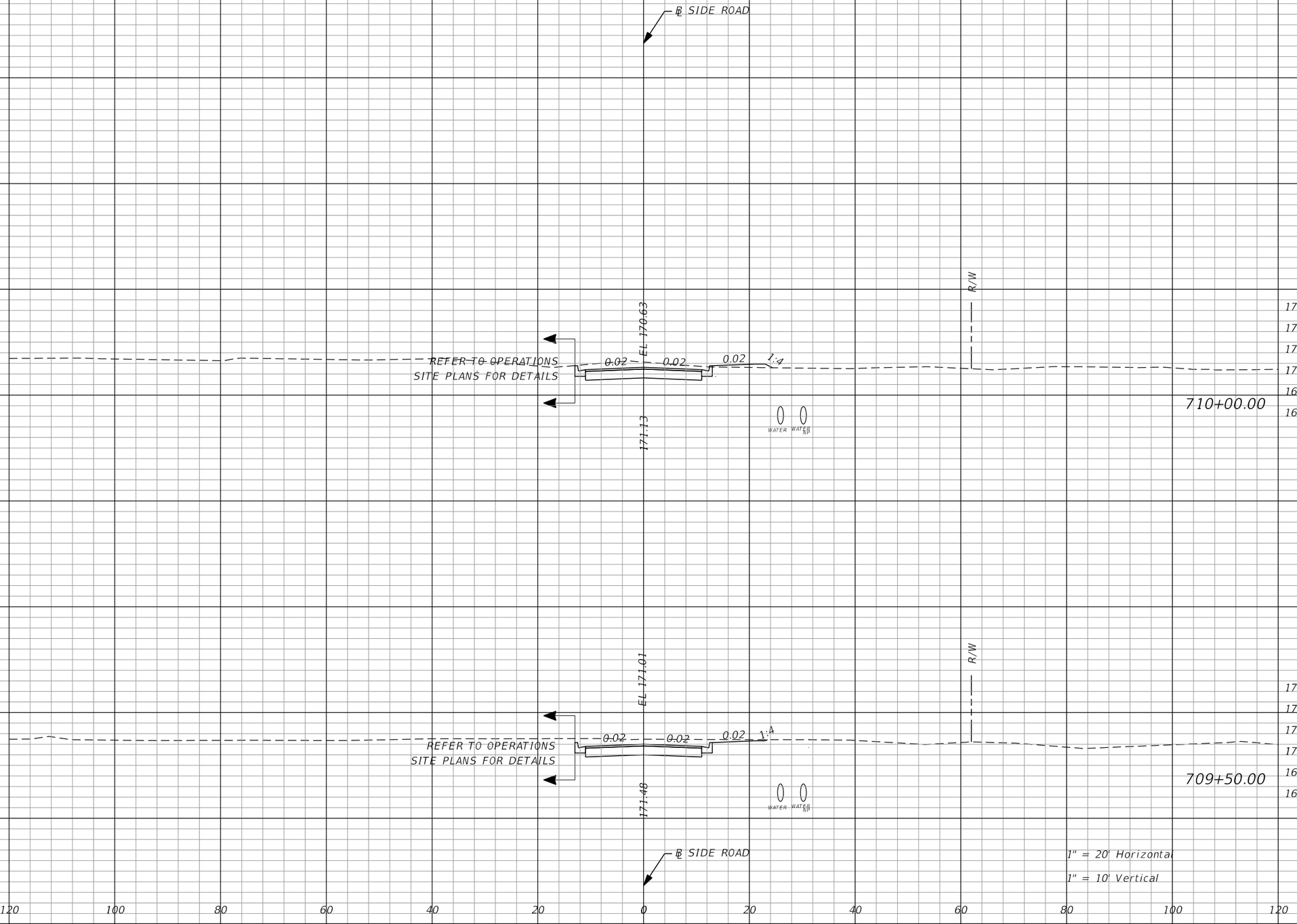

Regular Exc.		Embankment	
A	V	A	V
36	67	3	3
42	73	0	3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

SHEET NO. 313

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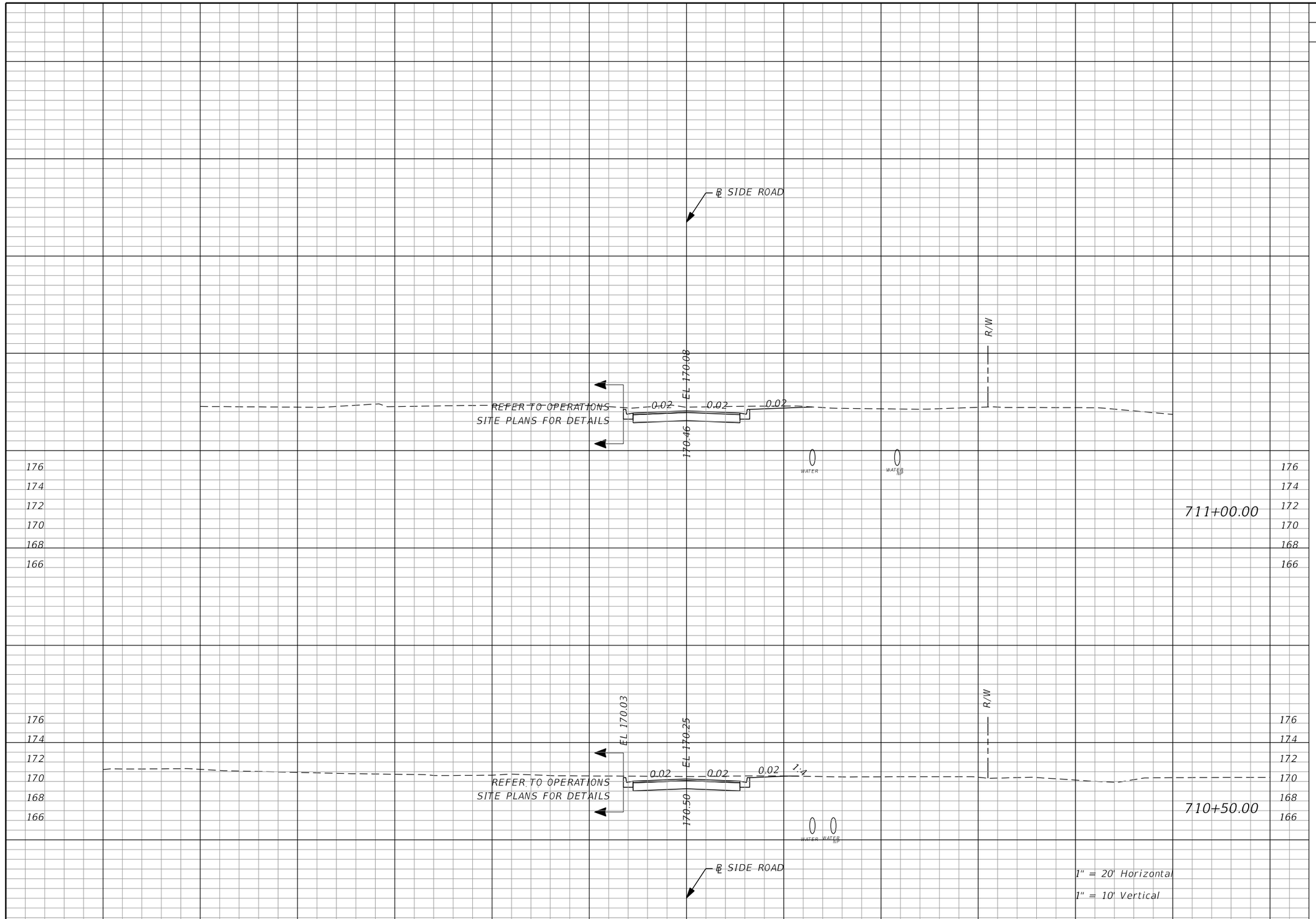

Regular Exc.		Embankment	
A	V	A	V
	93		2
42		0	
	72		0
36		0	

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

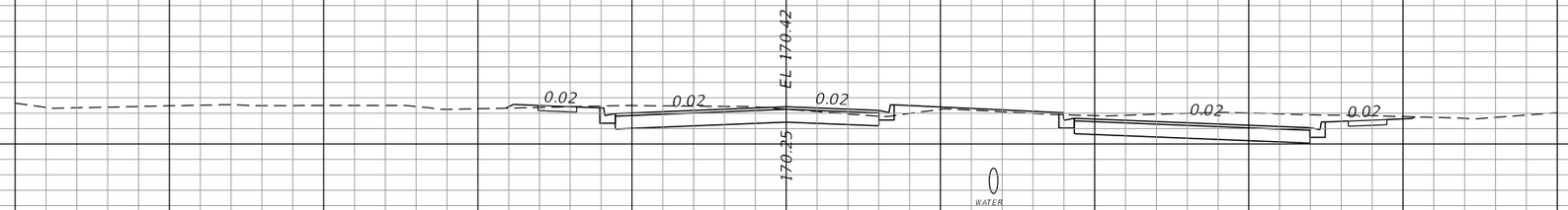
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS
SIDE ROAD

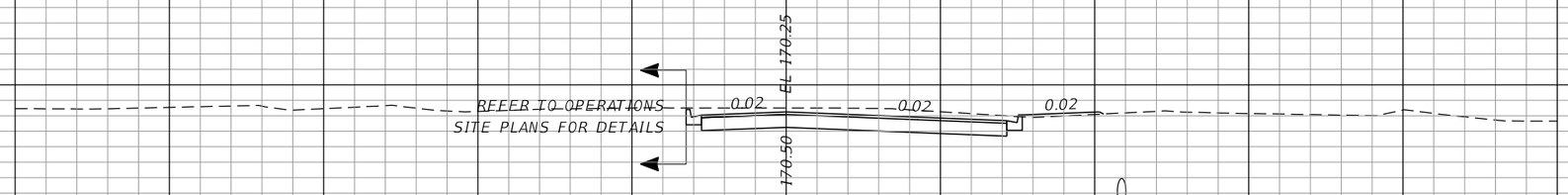
SHEET NO. 314

TOTAL EXCAVATION VOLUME 670 CY
TOTAL EMBANKMENT VOLUME 10,848 CY

END CONSTRUCTION
END EARTHWORK
STA. 631+73.49



712+00.00



711+50.00

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

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160

Regular Exc.		Embankment	
A	V	A	V
99		5	
58	145	2	7

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

CROSS SECTIONS SIDE ROAD

SHEET NO. 315

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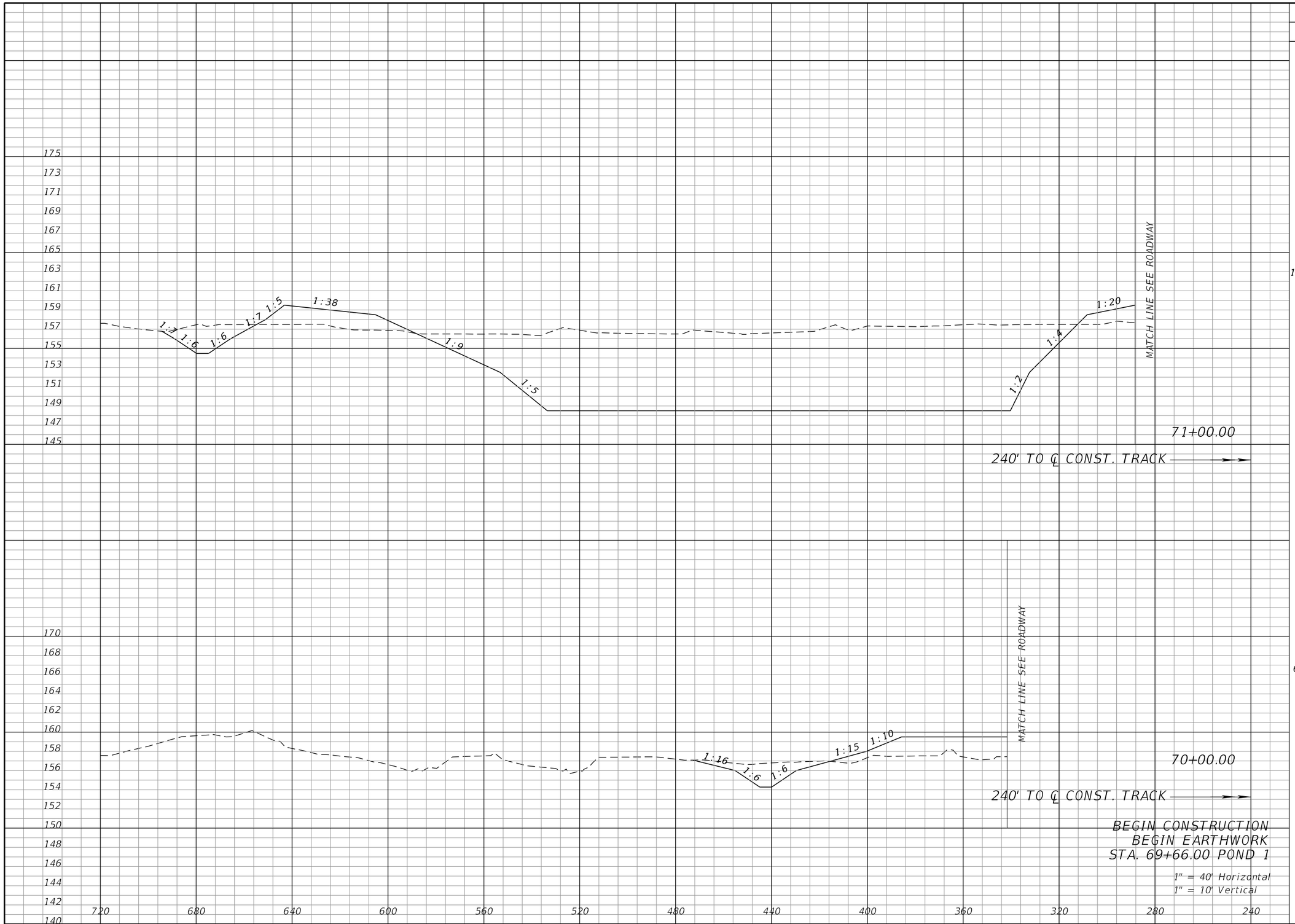

Regular Exc.		Embankment	
A	V	A	V
1986		118	
	3790		432
61		115	
	222		9624

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

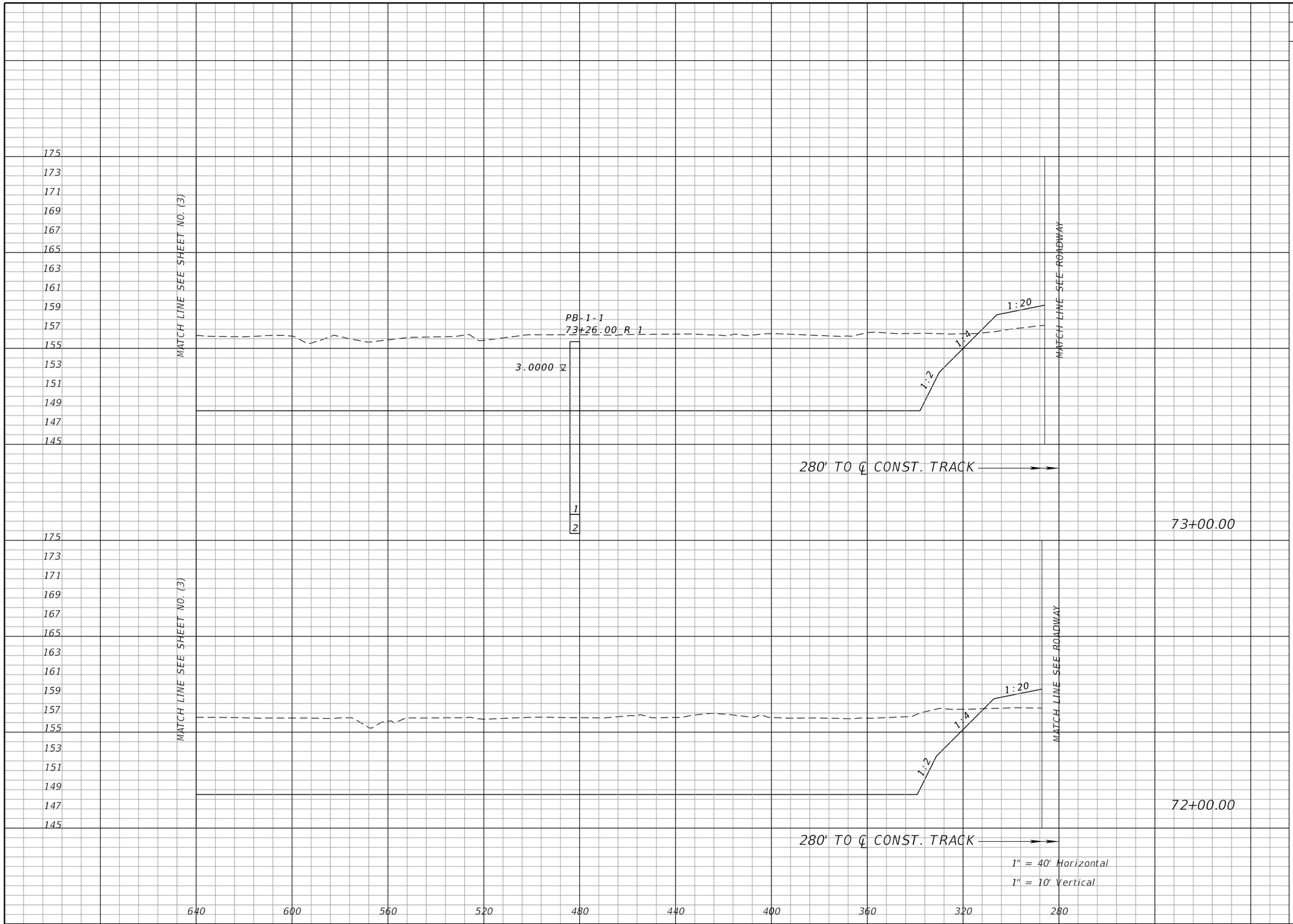
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (1)

SHEET NO. 316

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

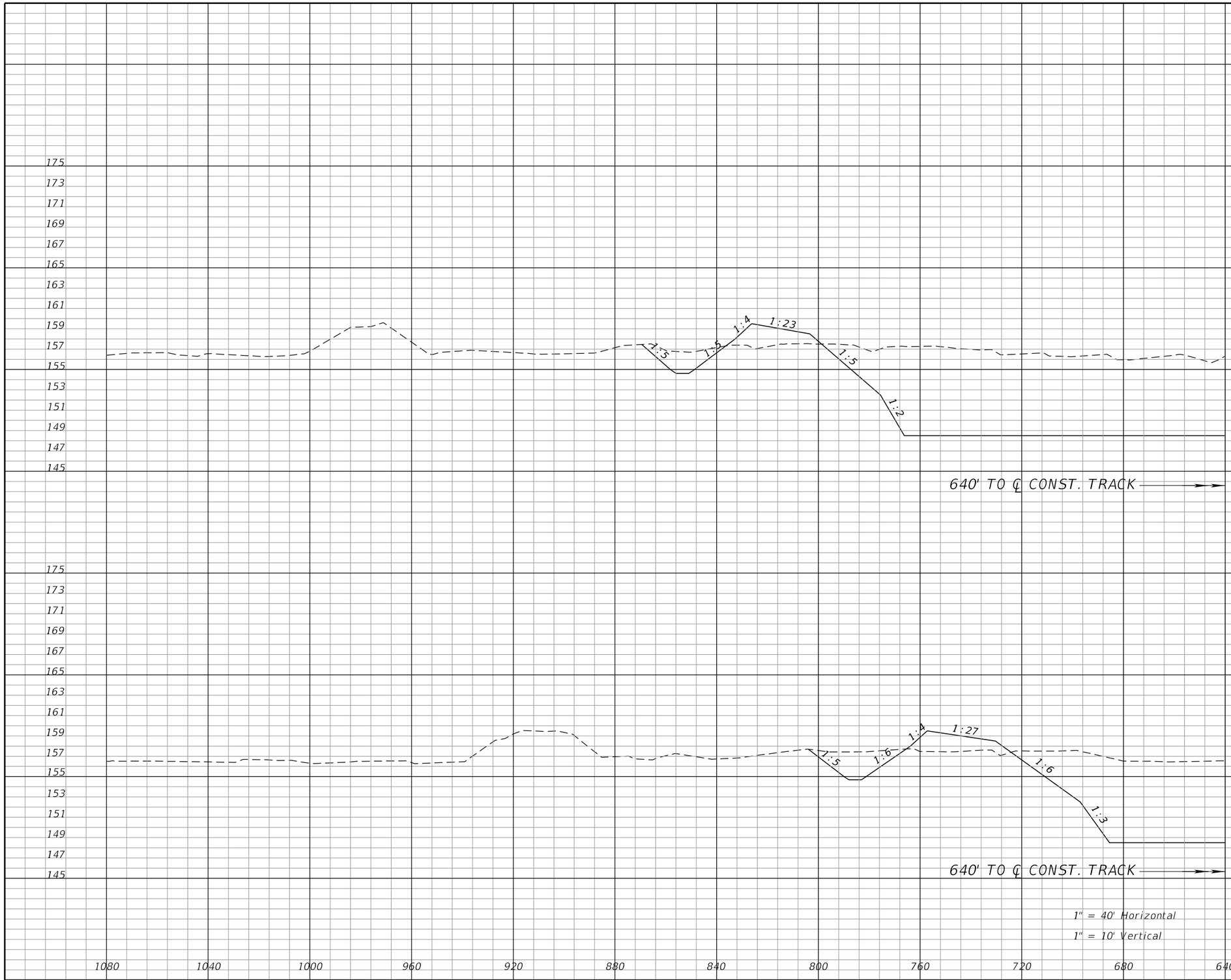
J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (2)

SHEET NO. 317



Regular Exc.		Embankment	
A	V	A	V
3605		94	
	12378		329
3079		84	
	9381		375

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

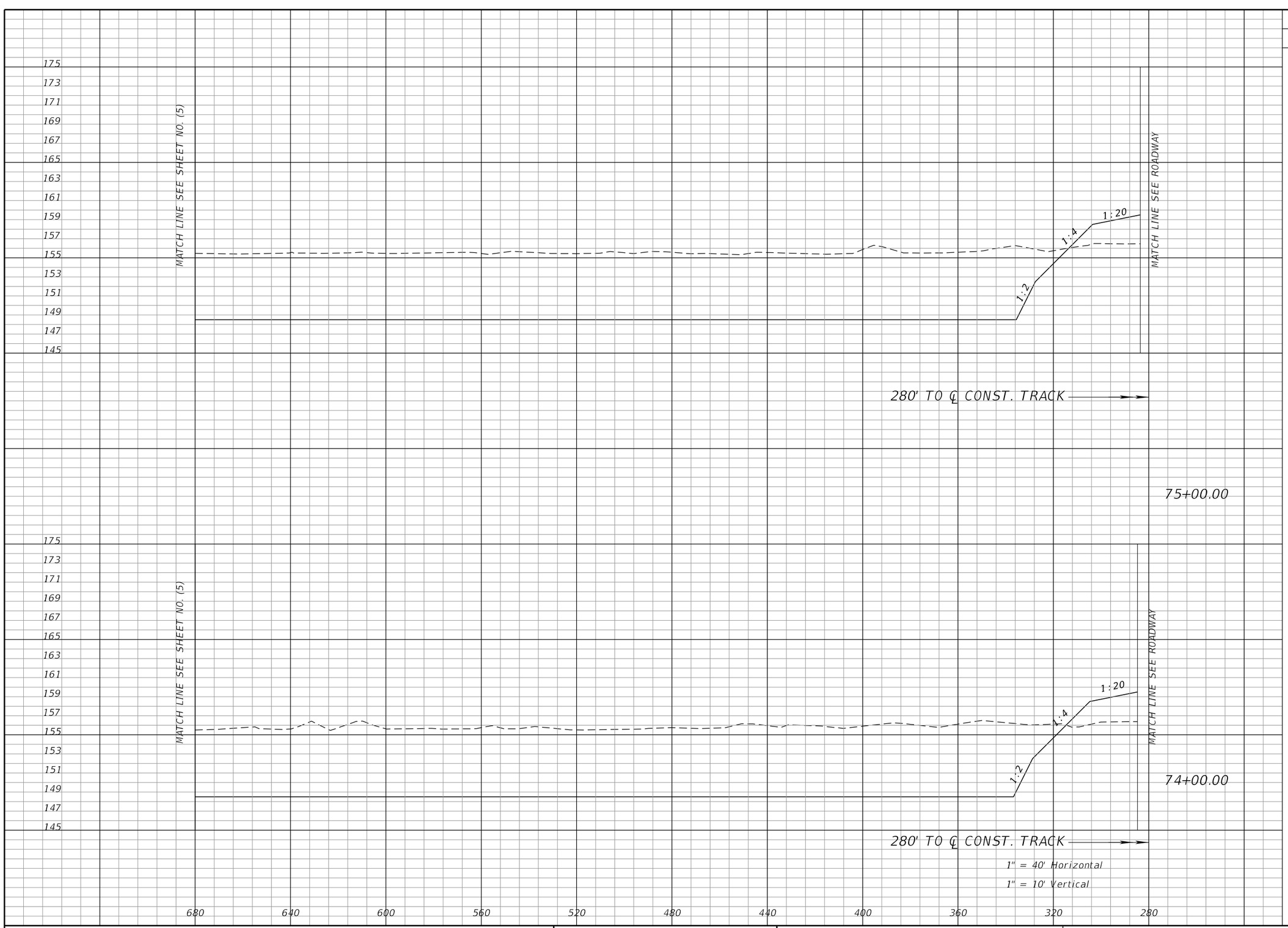
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (3)

SHEET NO. 318

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
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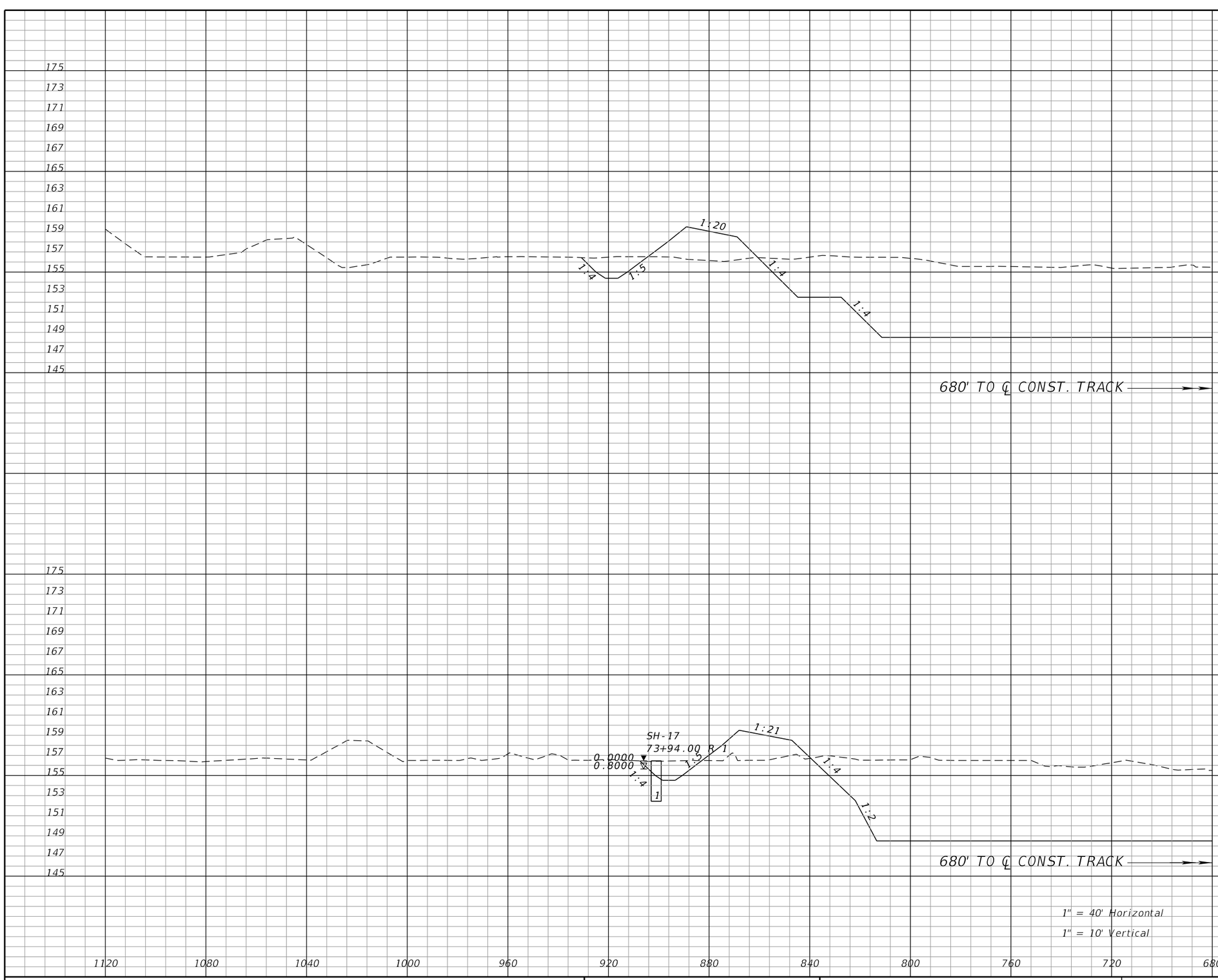
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (4)

SHEET NO.
319



Regular Exc.		Embankment	
A	V	A	V
3363		151	
	13708		541
3738		141	
	13598		435

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

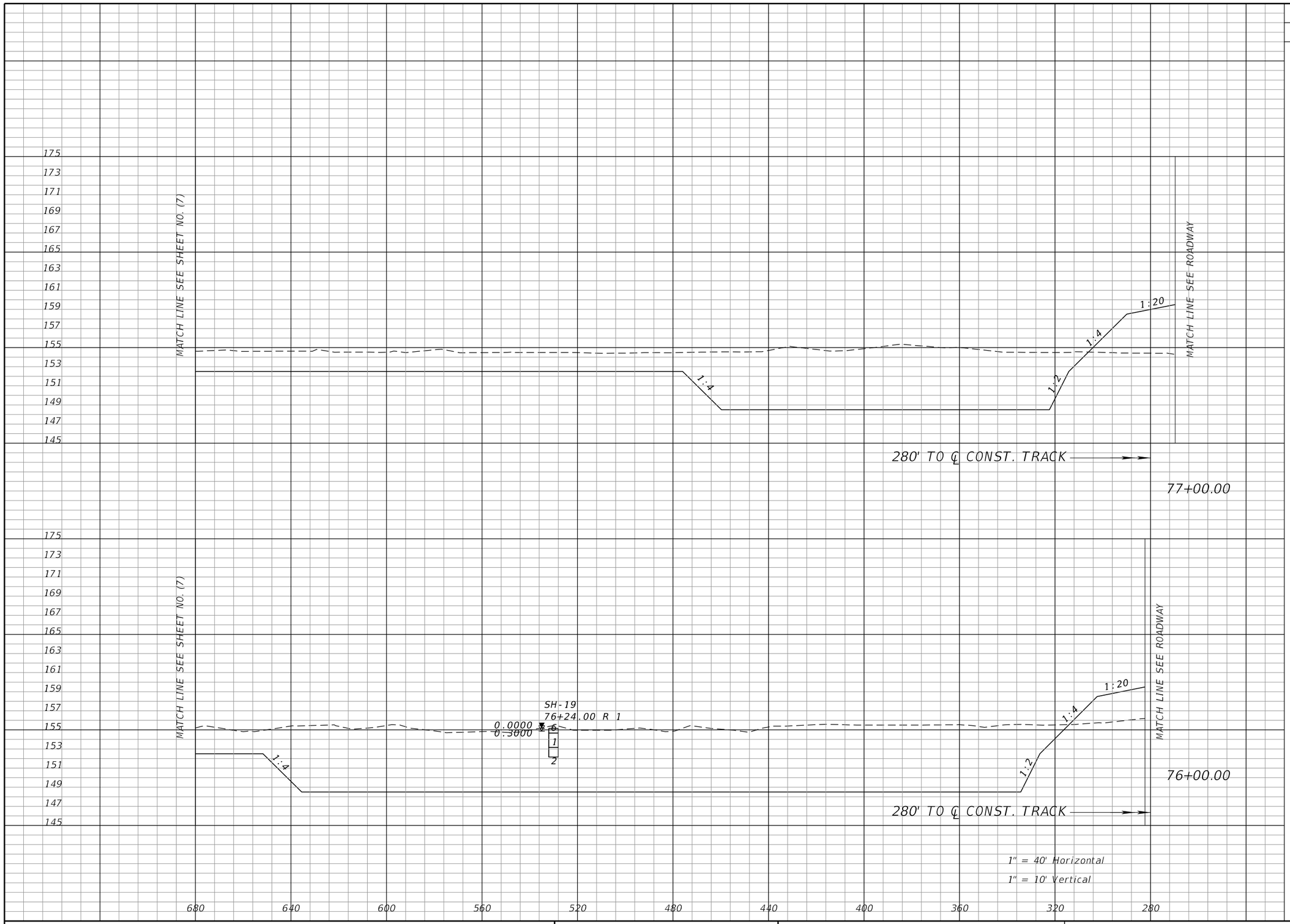
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (5)

SHEET NO. 320

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
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160 NORTH WESTMONTE DRIVE, SUITE 2000
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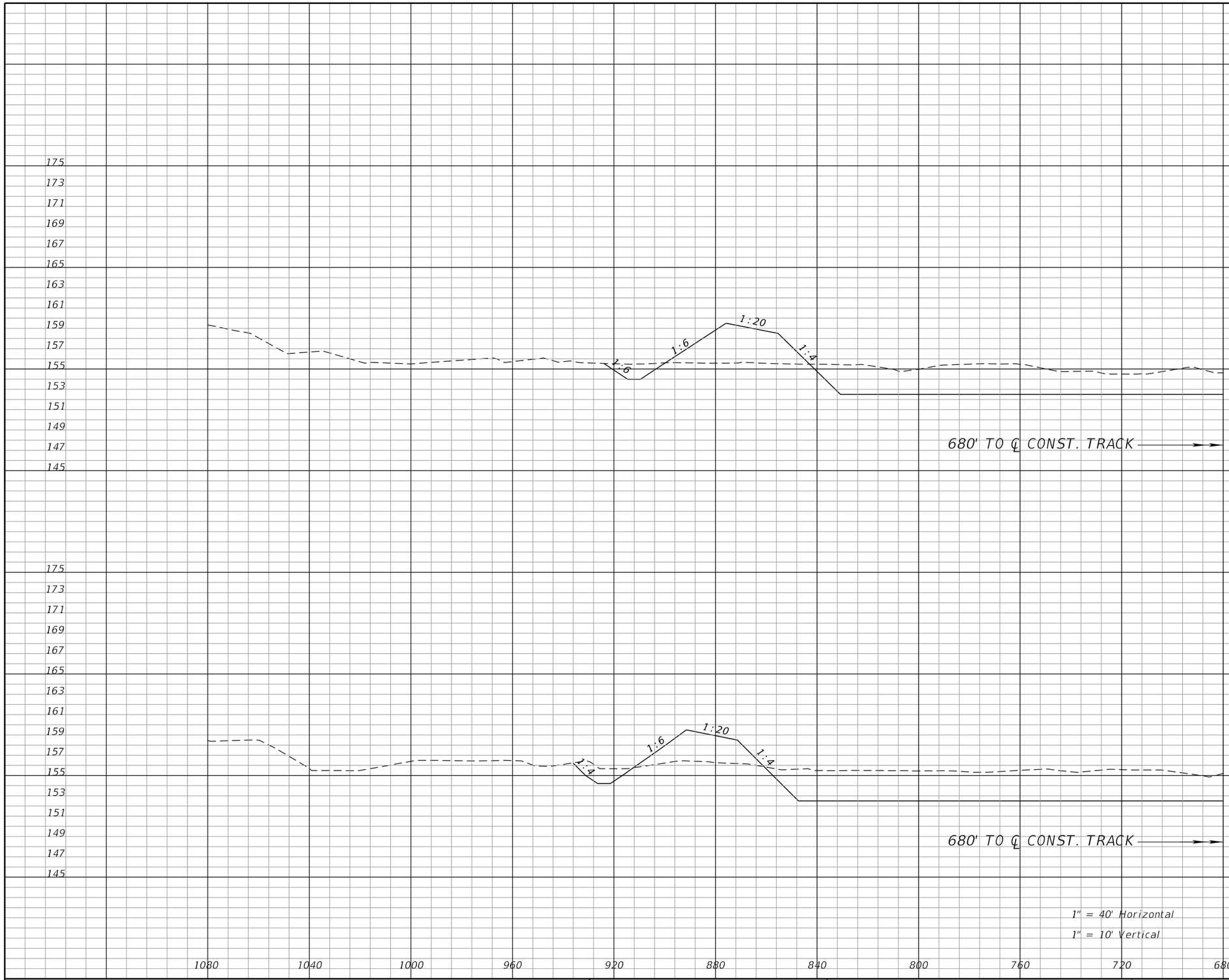
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (6)

SHEET NO.
321



Regular Exc.		Embankment	
A	V	A	V
1817		261	
	13707		541
2772		174	
	11916		602

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
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STATE OF FLORIDA
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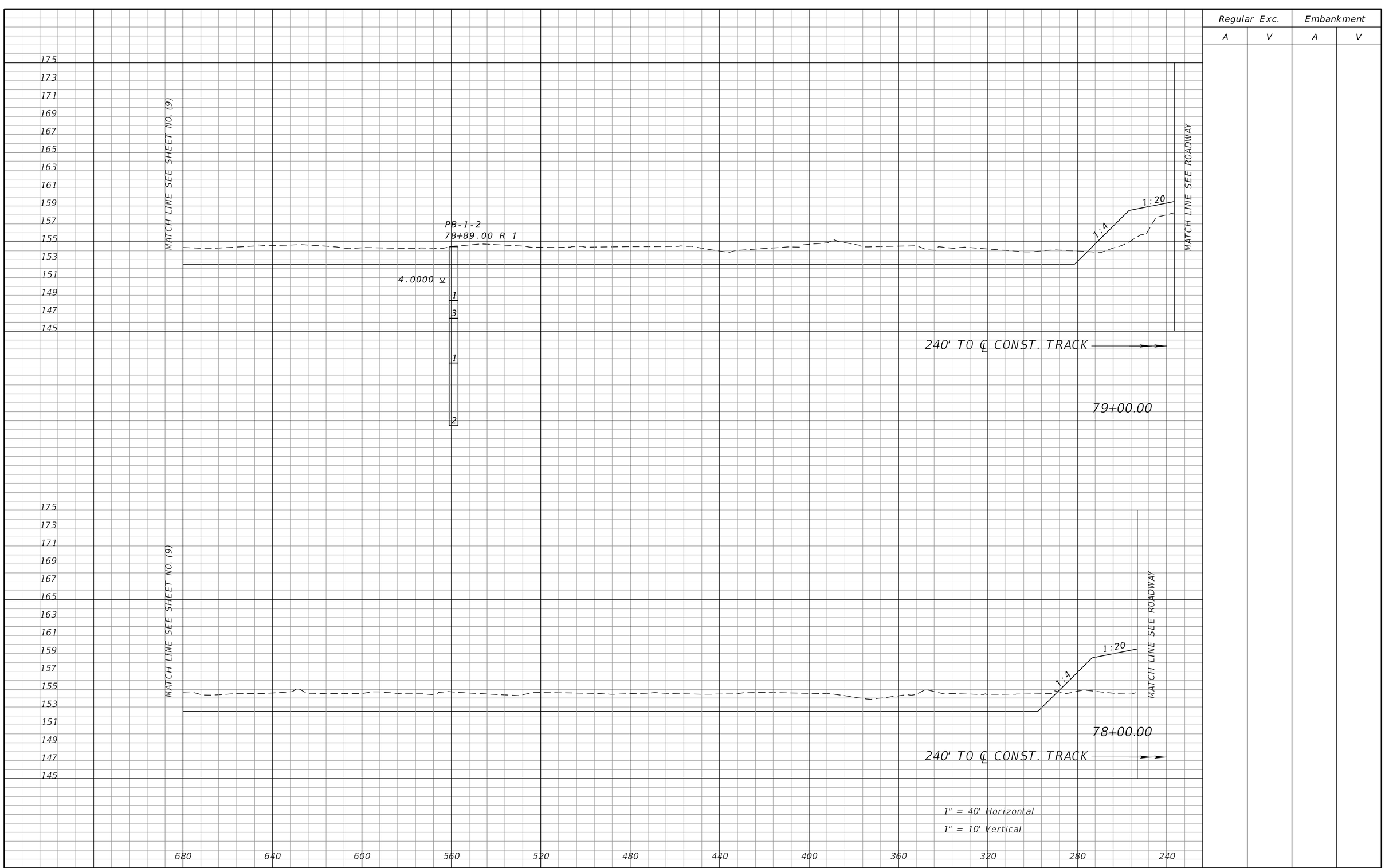
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (7)

SHEET NO. 322

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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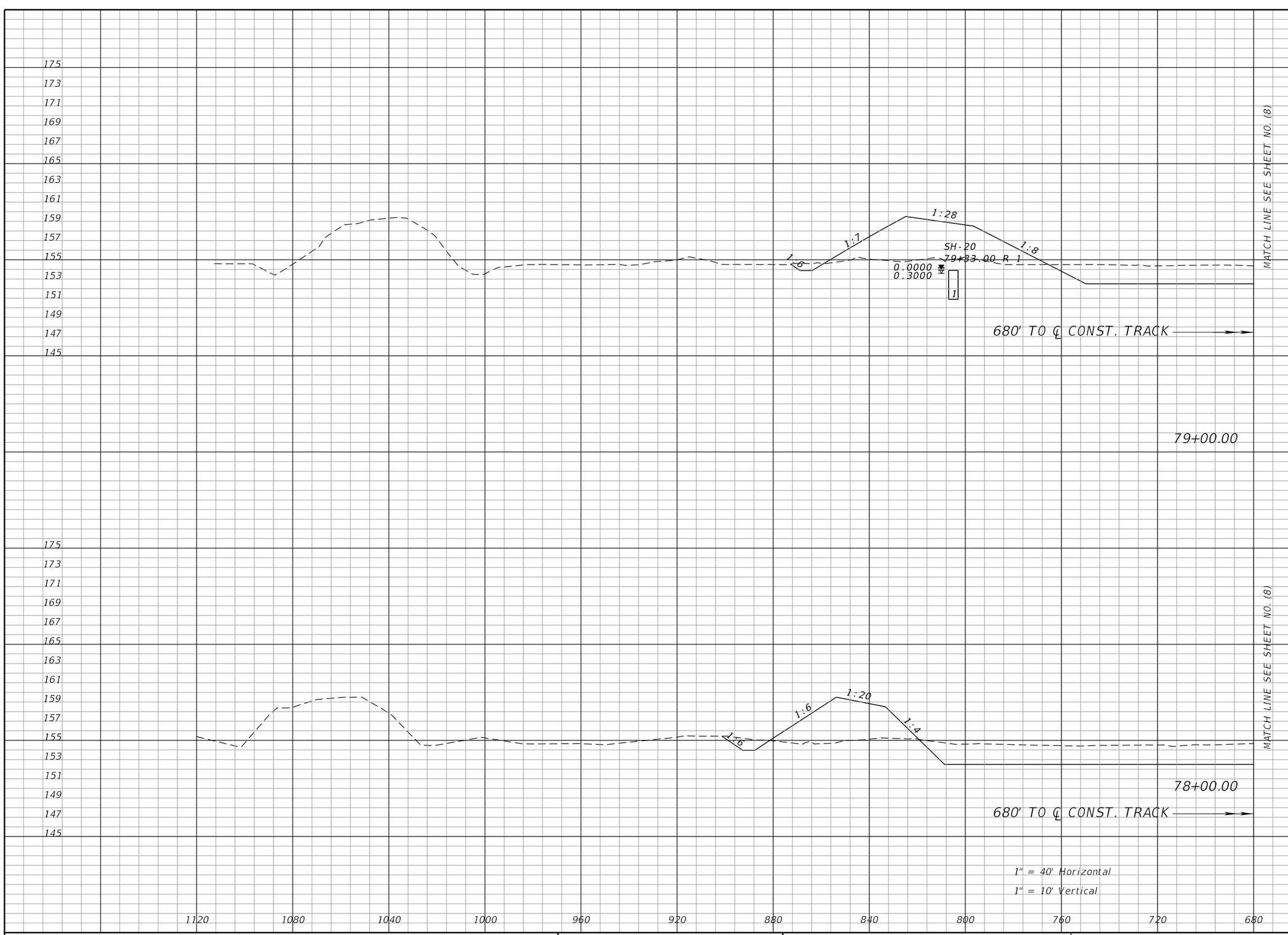
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (8)

SHEET NO. 323



Regular Exc.		Embankment	
A	V	A	V
914		326	
	3652		1142
1058		291	
	5324		1022

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

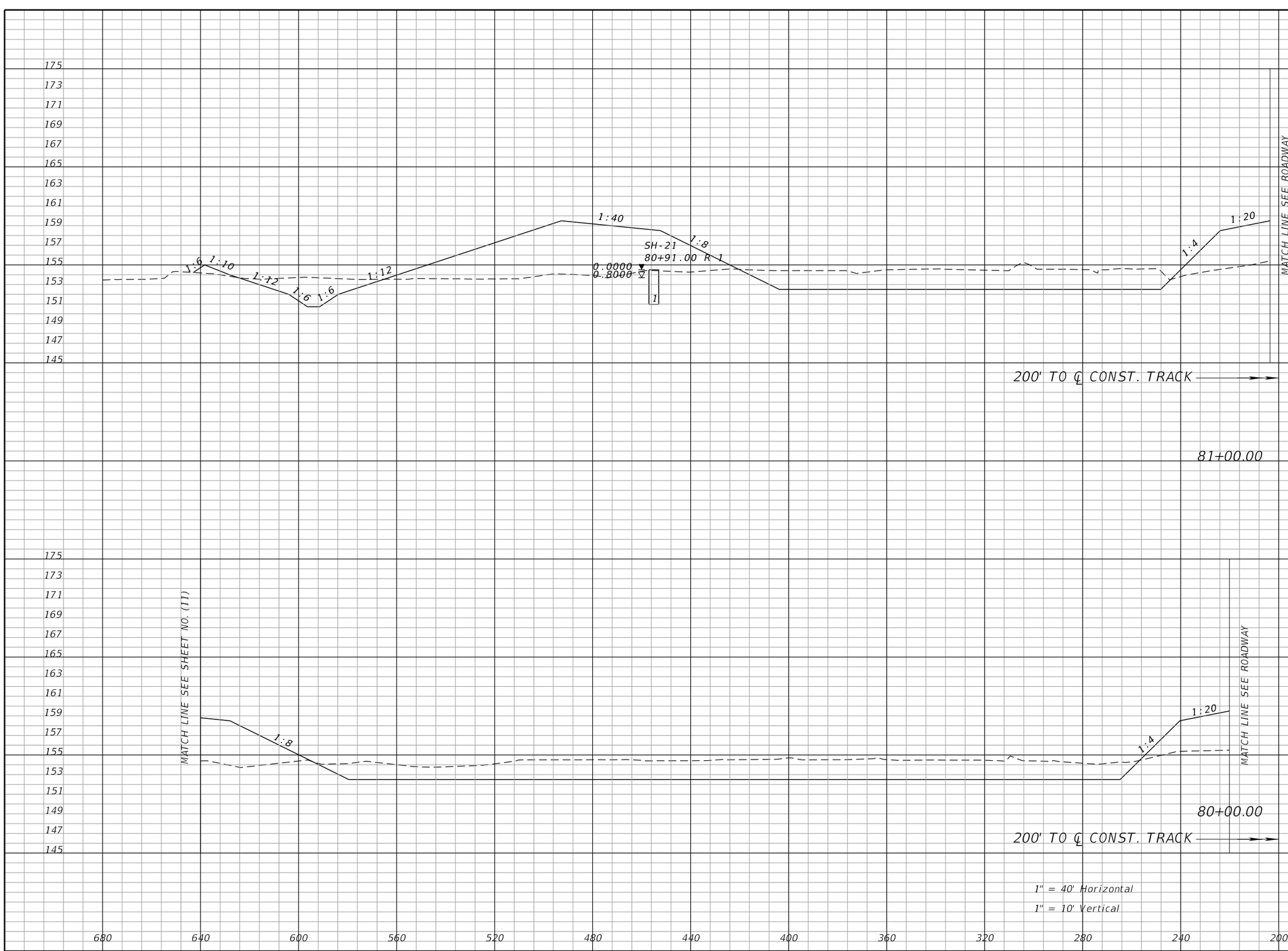
J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (9)

SHEET NO. 324



Regular Exc.		Embankment	
A	V	A	V
412		605	
	2008		2176
673		570	
	2939		1661

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

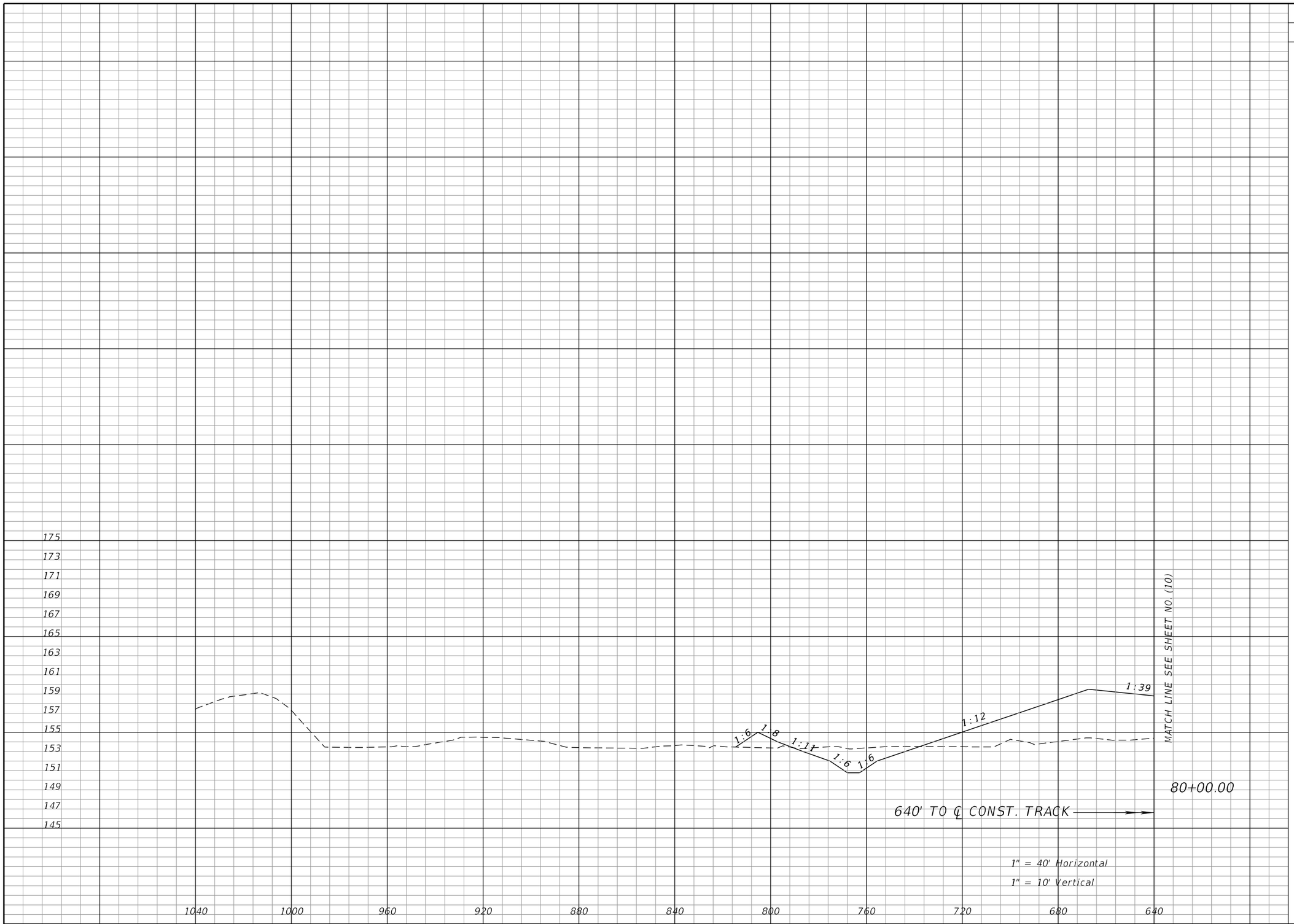
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (10)

SHEET NO. 325

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (11)

SHEET NO. 326

TOTAL EARTHWORK PONDS 1 & 2
EXCAVATION VOLUME: 307,807CY
EMBANKMENT VOLUME: 43,353CY

END CONSTRUCTION
END EARTHWORK
STA. 83+85.80 POND 1

MATCH LINE SEE ROADWAY

1:12 1:6 1:6 1:10 1:8 1:6 1:3

83+00.00

140' TO ℄ CONST. TRACK

MATCH LINE SEE ROADWAY

1:12 1:12 1:6 1:6 1:12

82+00.00

140' TO ℄ CONST. TRACK

1" = 40' Horizontal
1" = 10' Vertical

	Regular Exc.		Embankment	
	A	V	A	V
	269		17	
		741		1073
	131		562	
		1005		2162

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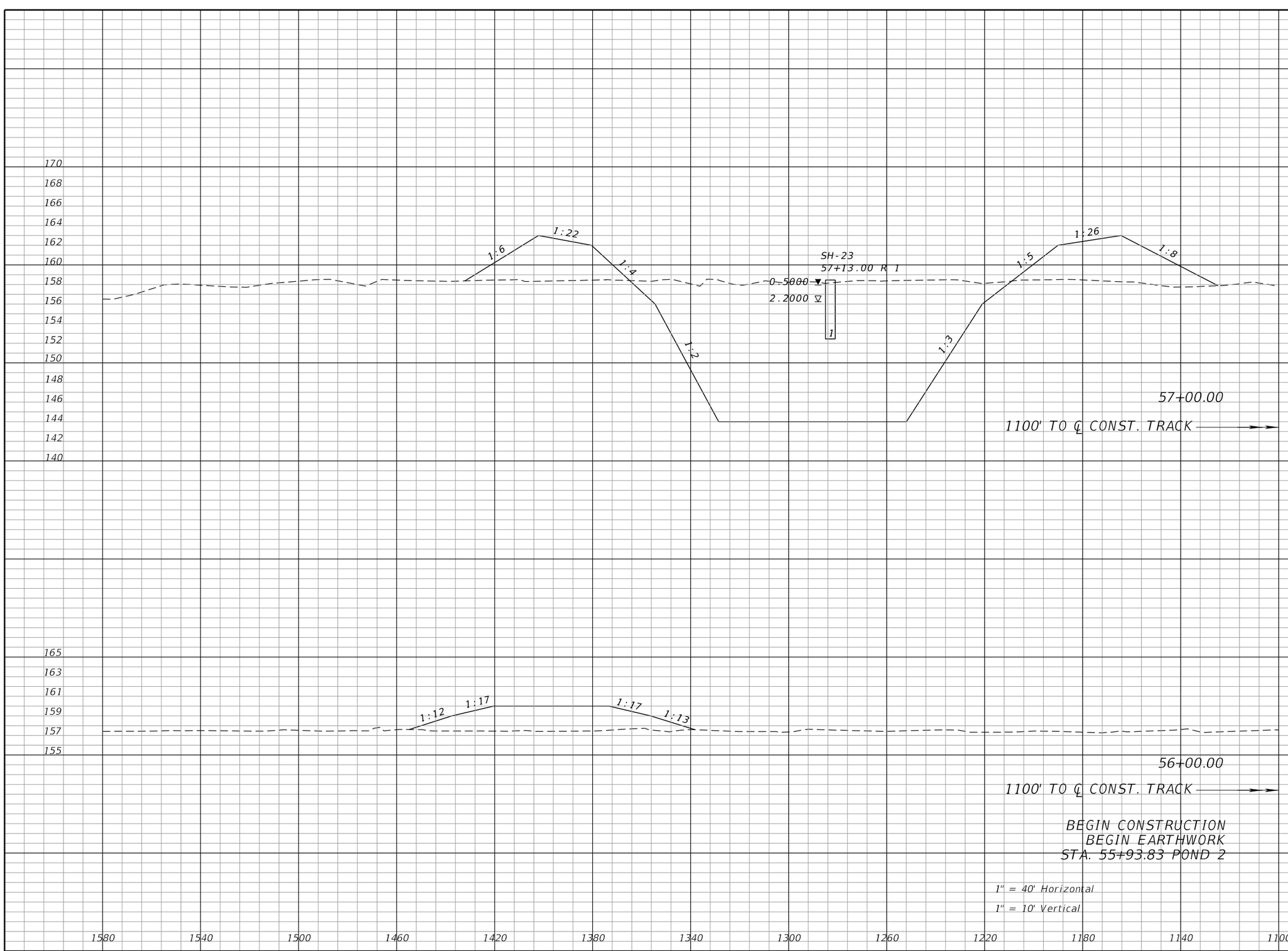
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 1
CROSS SECTIONS (12)

SHEET NO. 327



Regular Exc.		Embankment	
A	V	A	V
1593		422	
	2950		1180
0		215	
	0		25
0		0	

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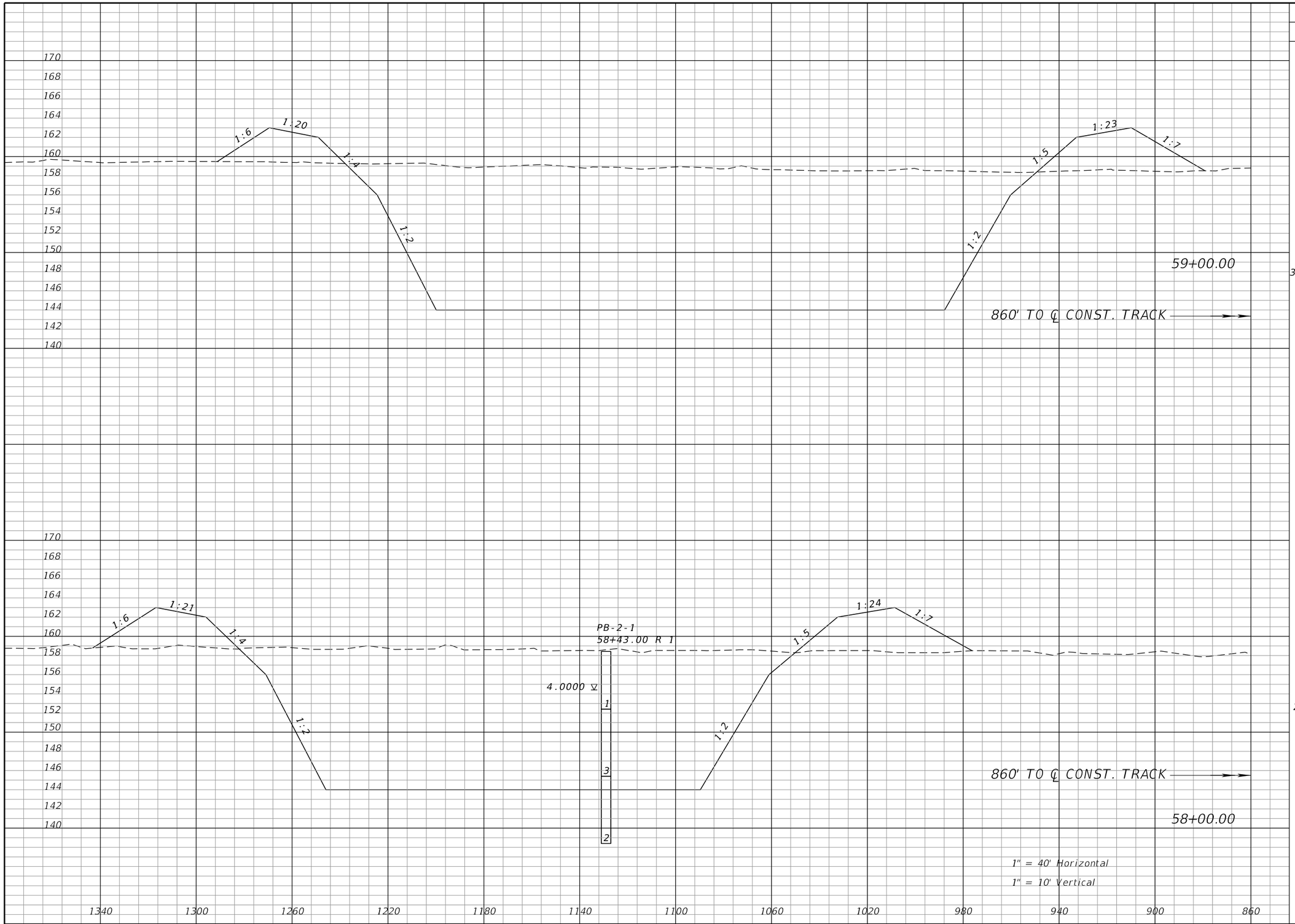
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (1)

SHEET NO. 328



Regular Exc.		Embankment	
A	V	A	V
3630		306	
	11867		1227
2778		356	
	8094		1440

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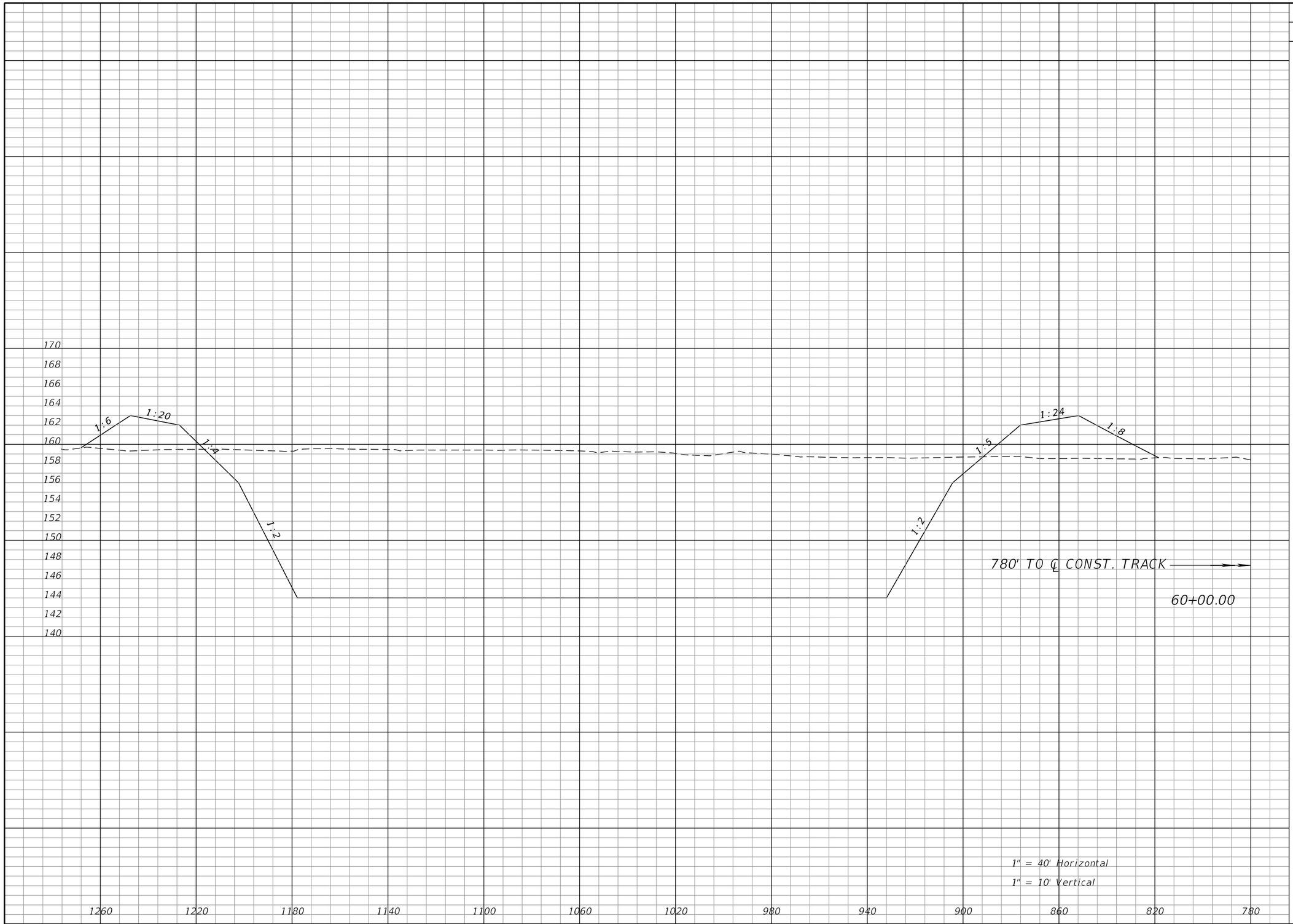
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (2)

SHEET NO. 329



Regular Exc.		Embankment	
A	V	A	V
4241		310	
14575		1142	

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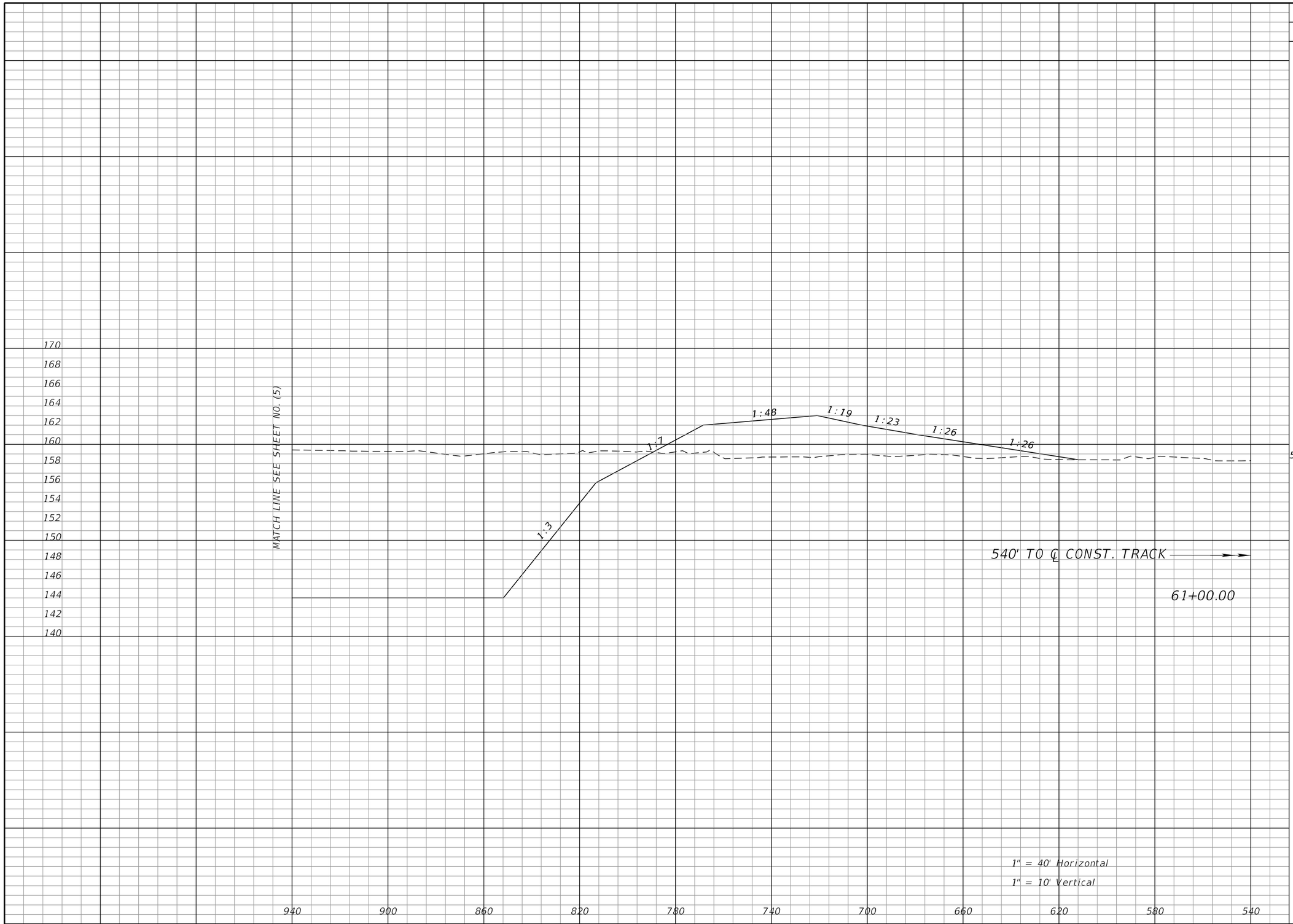
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (3)

SHEET NO. 330



Regular Exc.		Embankment	
A	V	A	V
5323		517	
	17711		1532

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REVISIONS			
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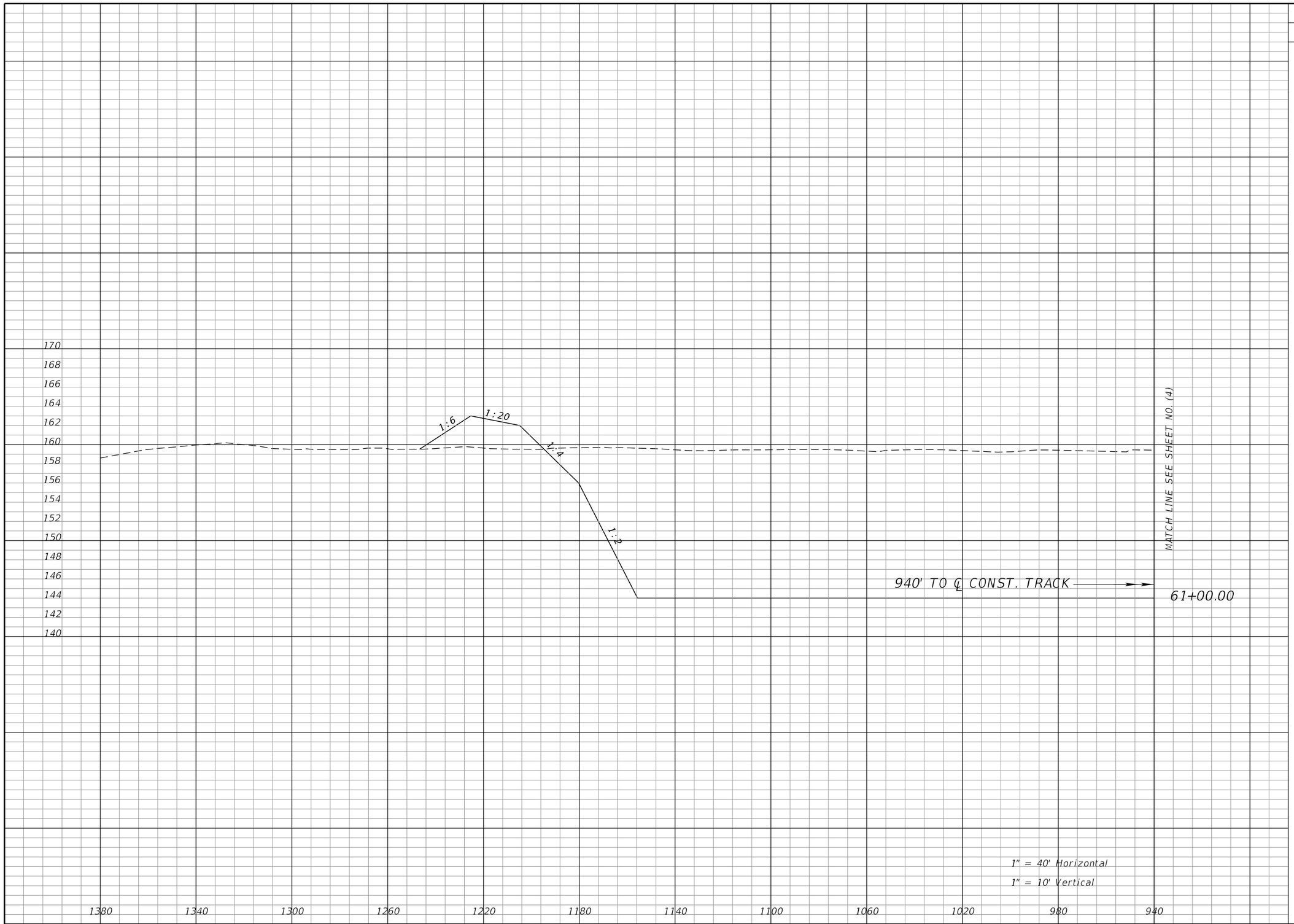
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (4)

SHEET NO. 331

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATE OF AUTHORIZATION NO. 7184

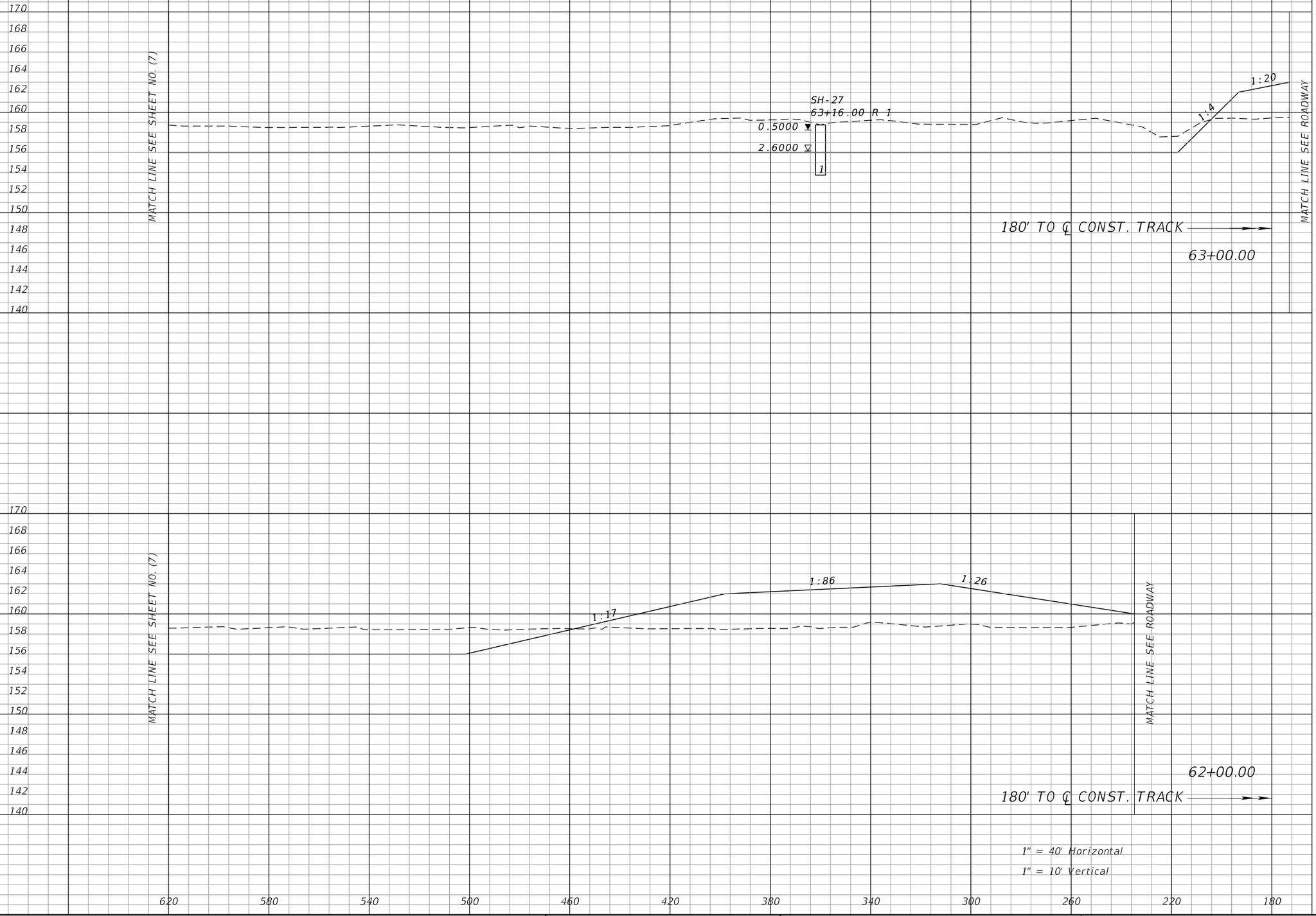
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (5)

SHEET NO. 332

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
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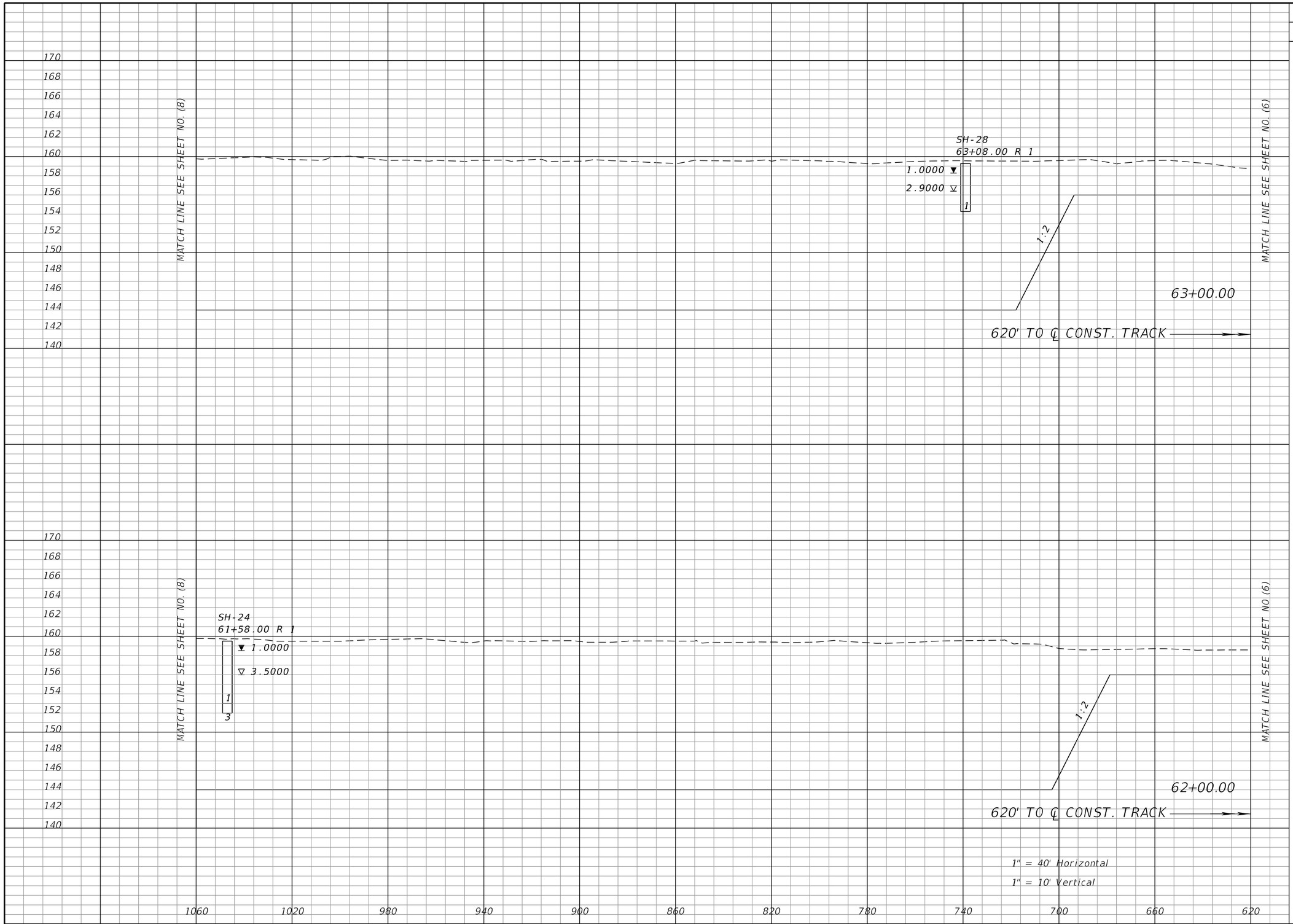
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (6)

SHEET NO. 333

Regular Exc.		Embankment	
A	V	A	V



1" = 40' Horizontal

1" = 10' Vertical

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REVISIONS			
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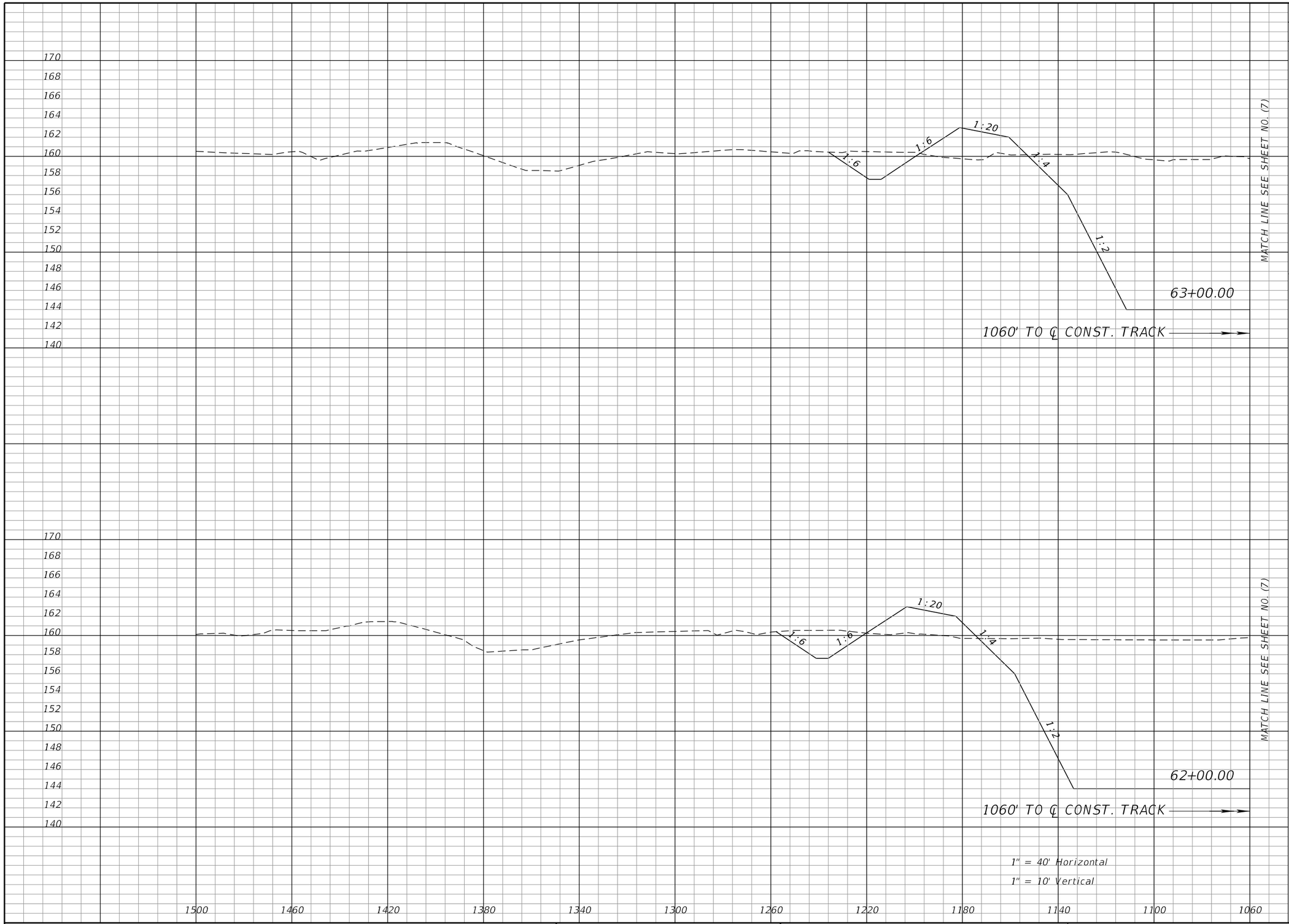
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (7)

SHEET NO. 334



Regular Exc.		Embankment	
A	V	A	V
8103		164	
	29301		1644
7719		724	
	24153		2296

1" = 40' Horizontal
1" = 10' Vertical

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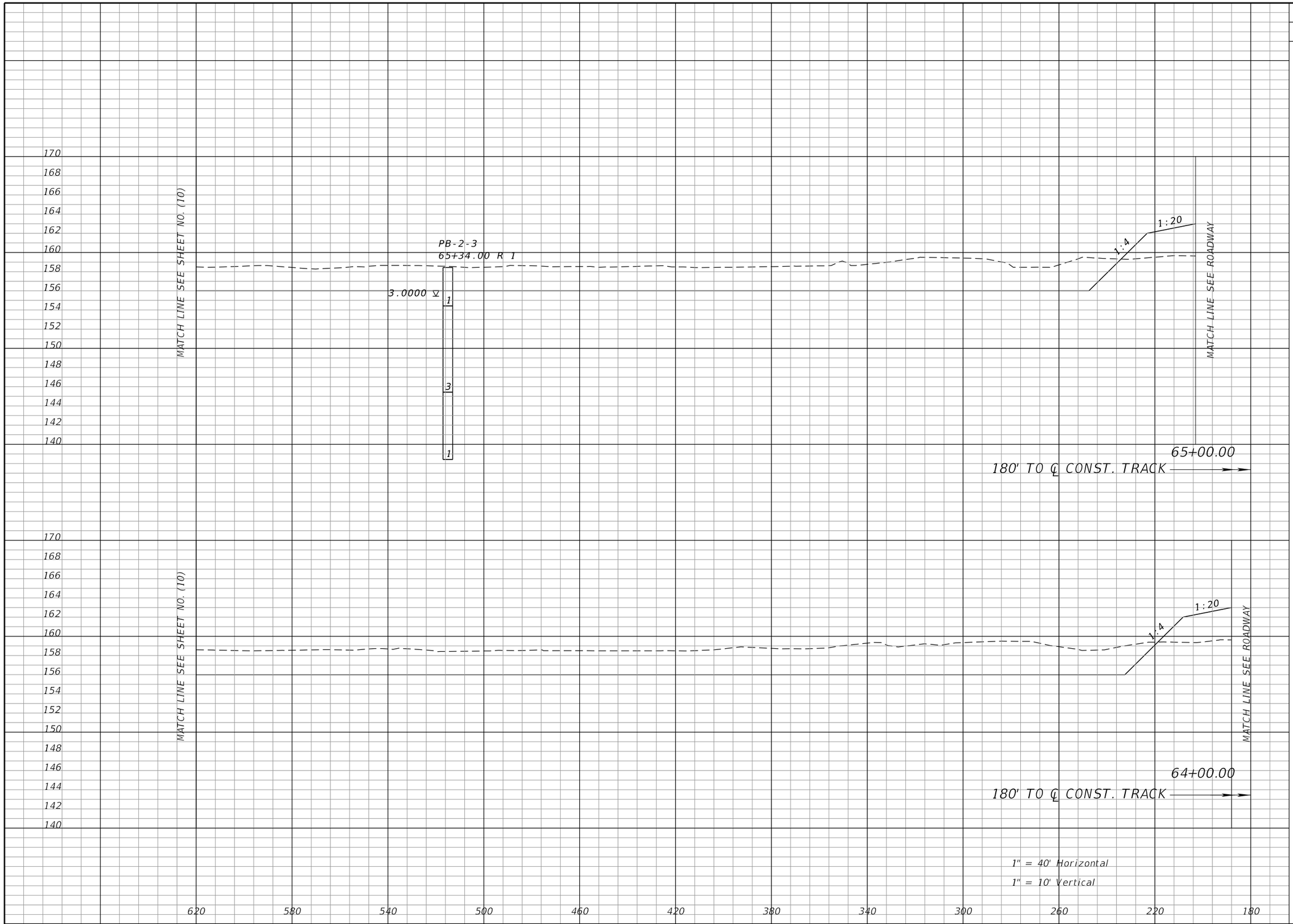
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (8)

SHEET NO. 335

Regular Exc.		Embankment	
A	V	A	V



1" = 40' Horizontal

1" = 10' Vertical

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REVISIONS			
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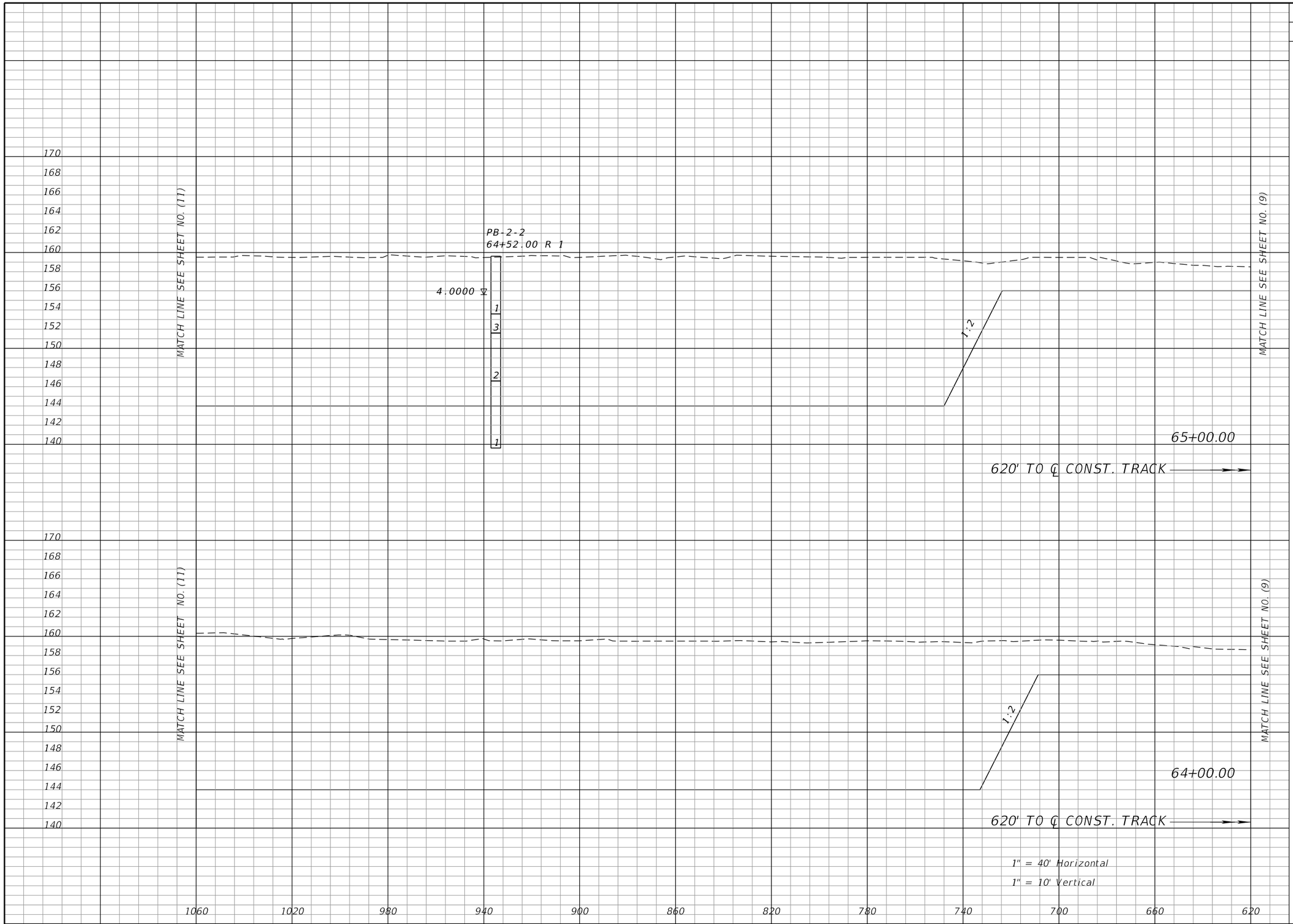
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (9)

SHEET NO. 336

Regular Exc.		Embankment	
A	V	A	V



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REVISIONS			
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STATE OF FLORIDA
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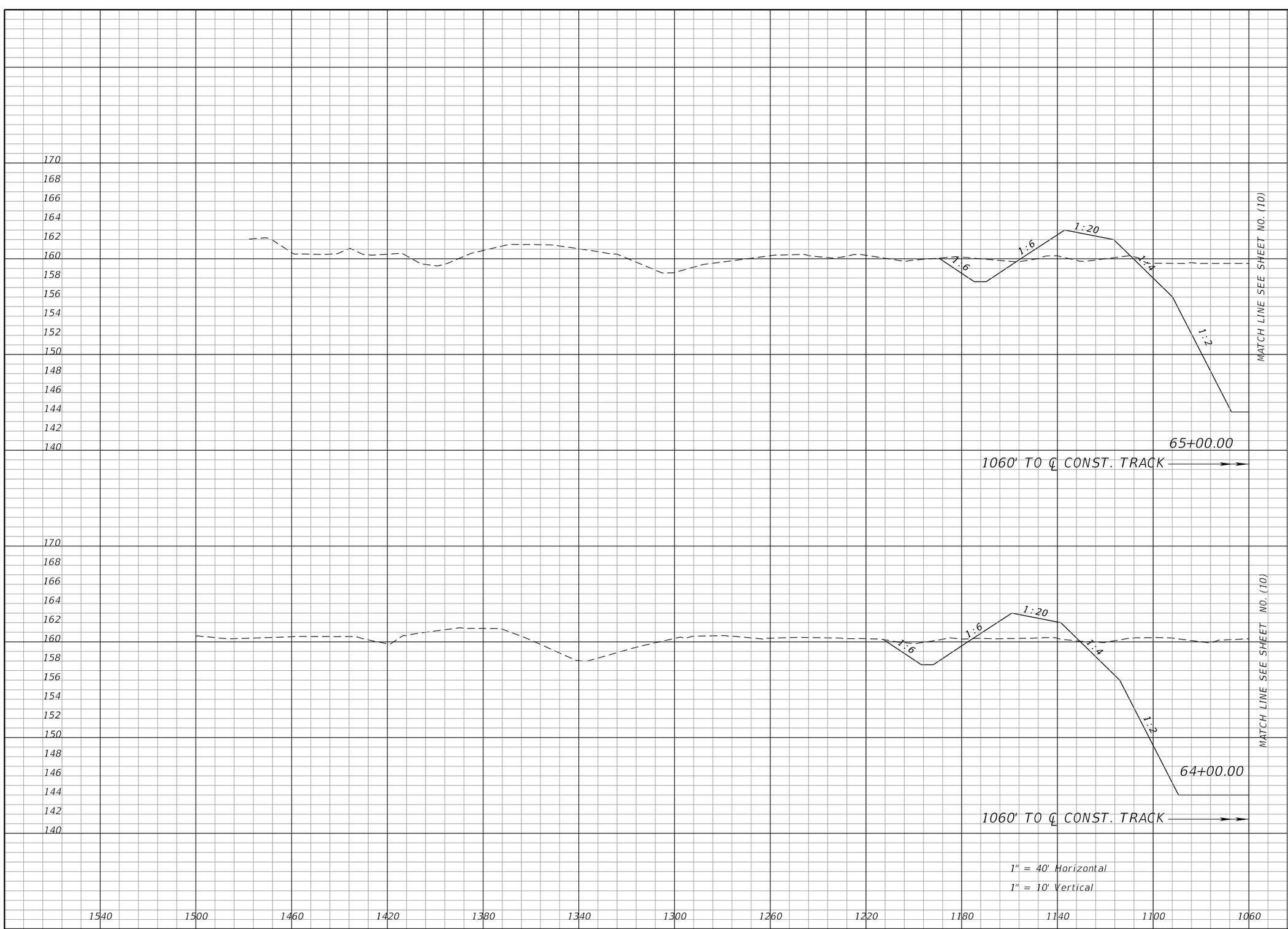
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (10)

SHEET NO. 337



Regular Exc.		Embankment	
A	V	A	V
6823		159	
	26555		567
7516		147	
	28925		576

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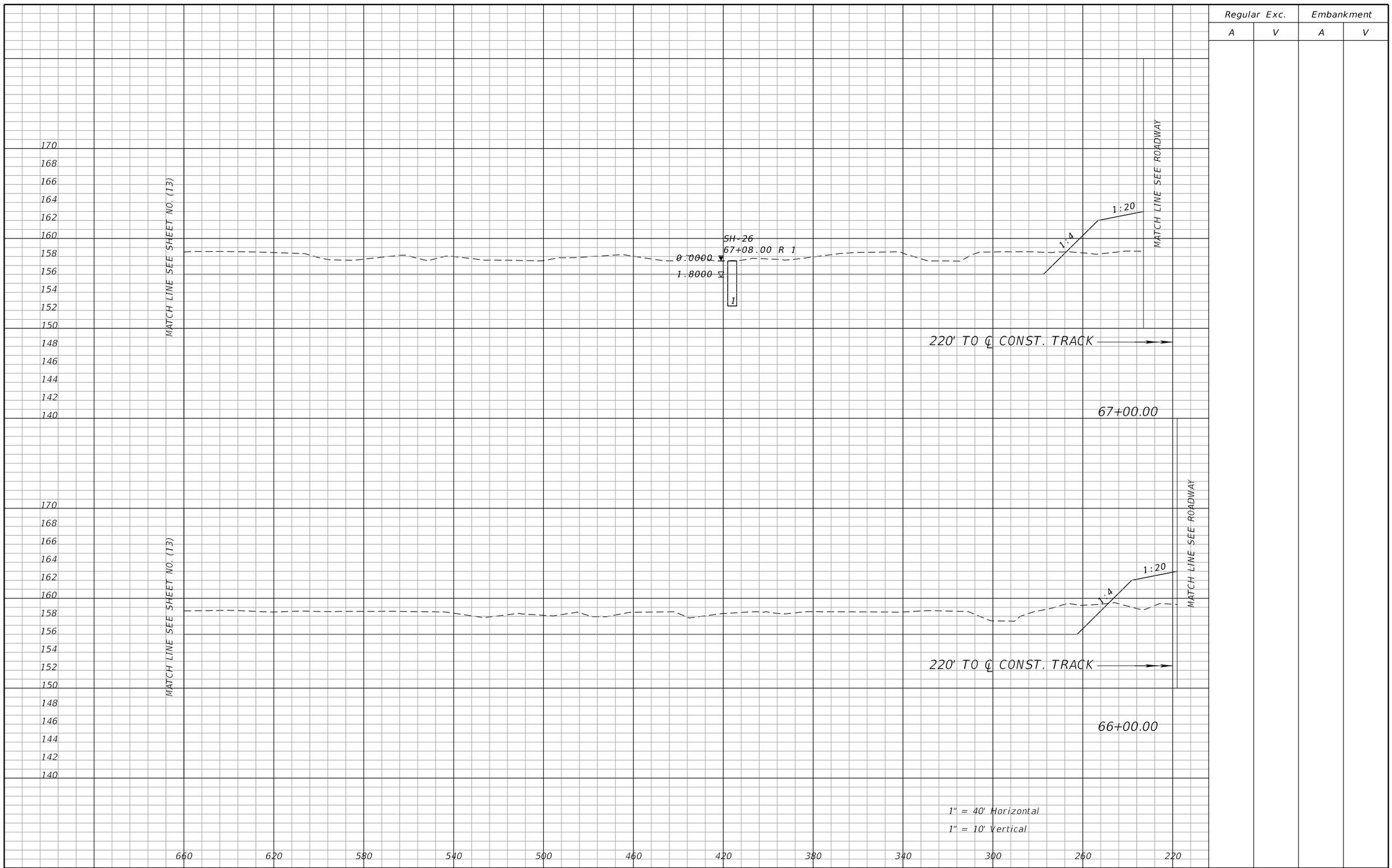
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (11)

SHEET NO. 338

Regular Exc.		Embankment	
A	V	A	V



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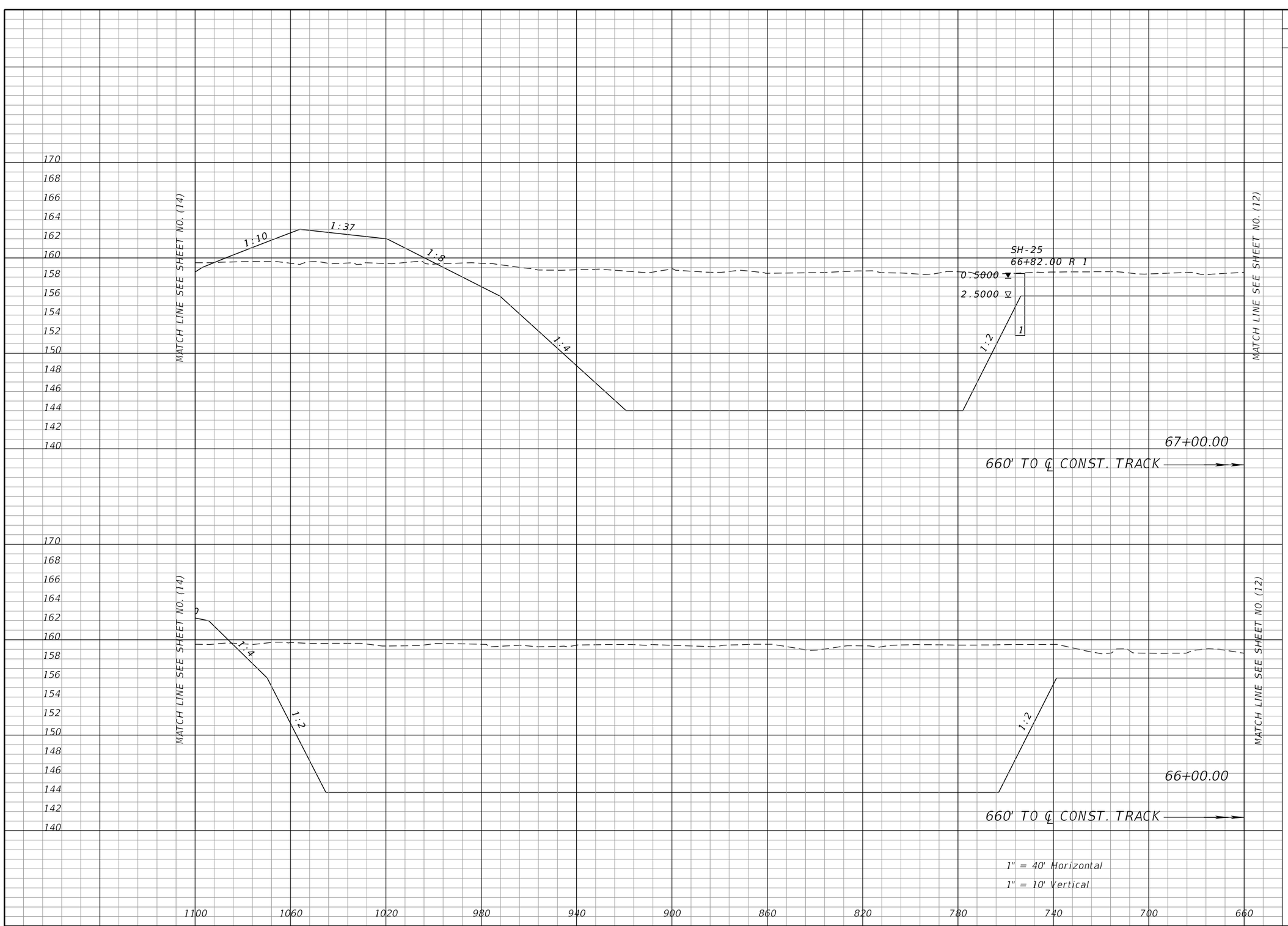
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (12)

SHEET NO. 339



Regular Exc.		Embankment	
A	V	A	V

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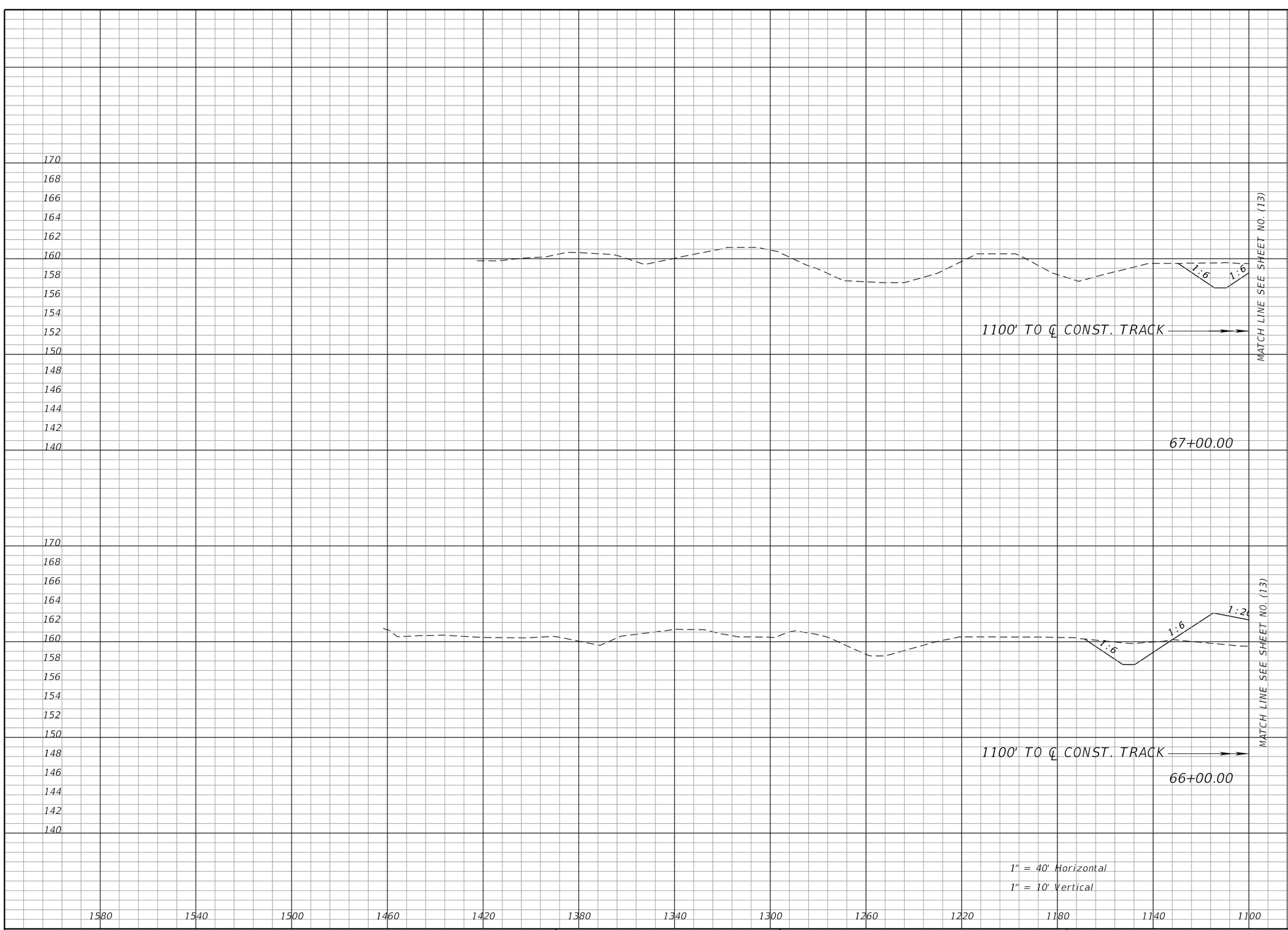
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (13)

SHEET NO. 340



Regular Exc.		Embankment	
A	V	A	V
3821		305	
	18336		901
6080		182	
	23895		631

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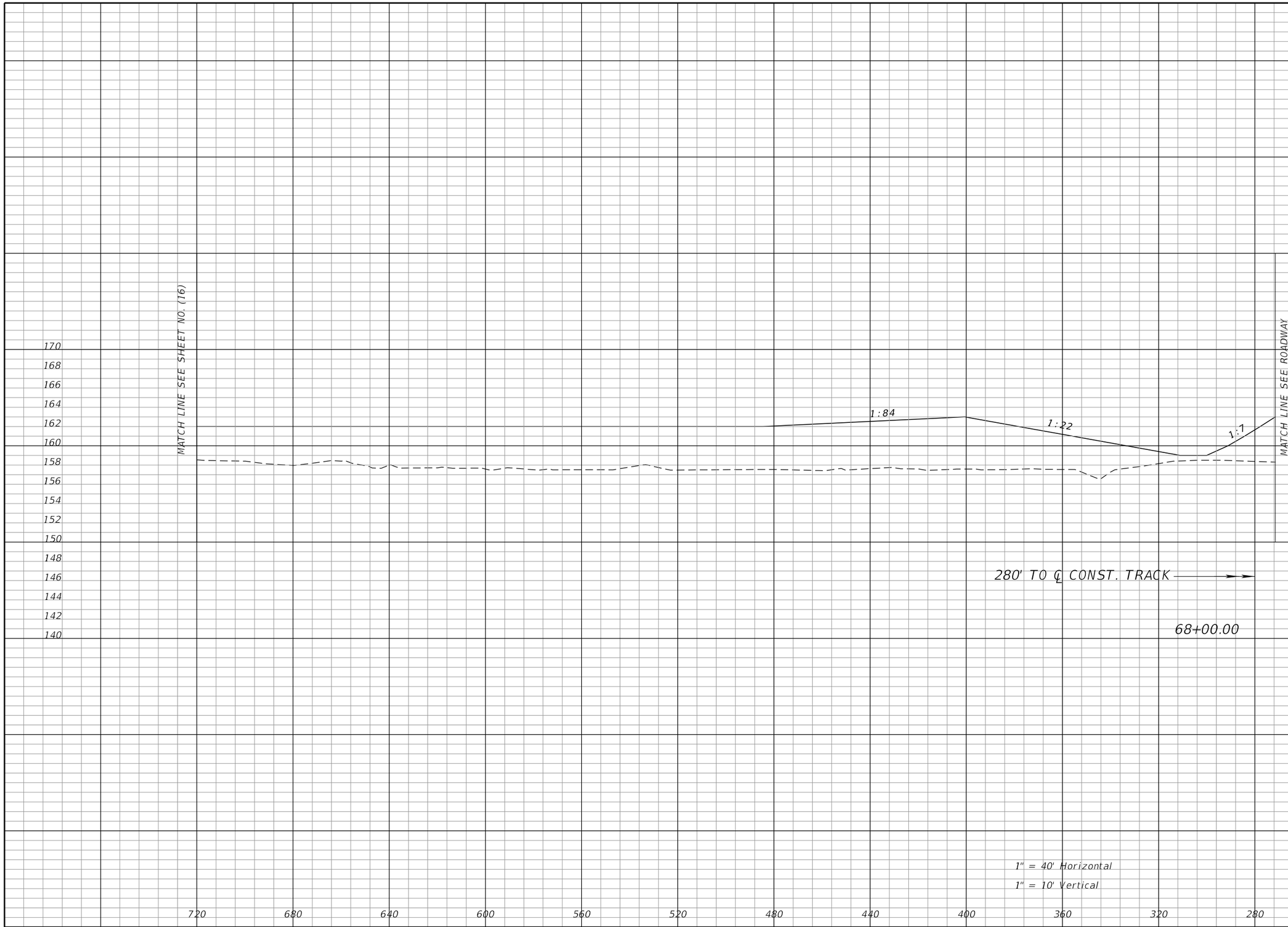
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (14)

SHEET NO. 341

Regular Exc.		Embankment	
A	V	A	V



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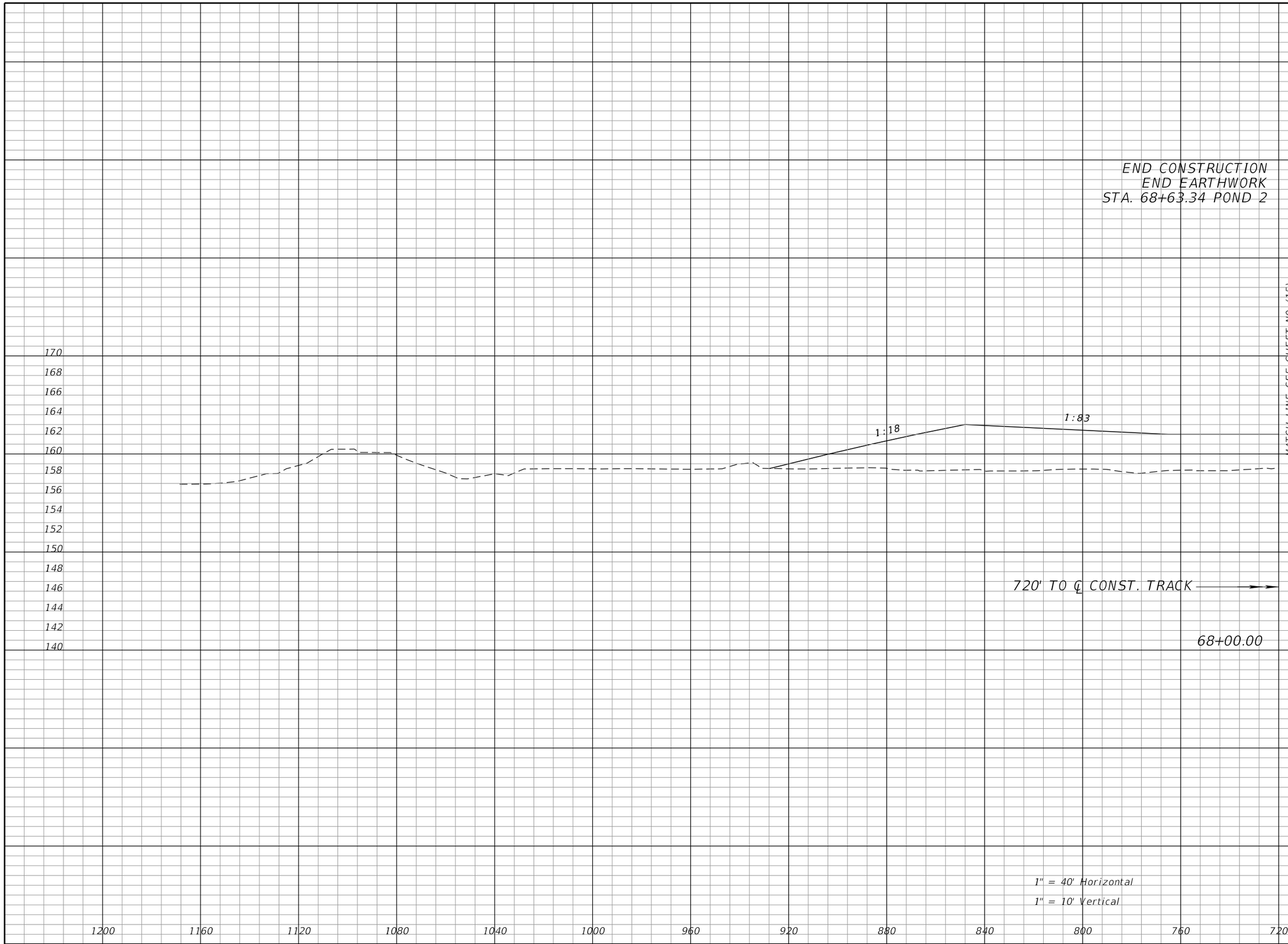
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

POND 2
CROSS SECTIONS (15)

SHEET NO. 342



	Regular Exc.		Embankment	
	A	V	A	V
	0		0	
		0		2914
	0		2484	
		7076		5163

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POND 2
CROSS SECTIONS (16)

SHEET NO. 343

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

MODIFICATIONS TO EITHER THE SWPPP AND/OR THE EROSION CONTROL PLANS DUE TO THE CONTRACTOR'S PROPOSED CONSTRUCTION MEANS, METHODS, AND PHASING SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR'S EROSION CONTROL PLAN WILL BE USED AS THE FIRST FORMAL UPDATE TO THE SWPPP. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBMITTAL.

1. SITE DESCRIPTION

1A. CONSTRUCTION ACTIVITY:

- PROJECT LIMITS: PARCEL LOCATED EAST OF POLK PARKWAY (SR 570) AND WEST OF THE TECO AUBURNDALE TRAIL, NORTH OF BRADDOCK ROAD AND APPROXIMATELY 2,500 FEET SOUTH OF PACE ROAD.

- SITE DESCRIPTION: FLORIDA'S TURNPIKE ENTERPRISE PROPOSES TO CONSTRUCT A NEW TEST TRACK AND ASSOCIATED FACILITIES. THE PROJECT IS LOCATED WITHIN POLK COUNTY WITHIN THE FOLLOWING SECTION-TOWNSHIP RANGE (STR): S 20,29-T27S-R25E. RUNOFF WILL BE COLLECTED IN DITCHES AND STORM DRAIN SYSTEMS AND ROUTED TO TWO WET DETENTION PONDS.

1B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

FOR EACH CONSTRUCTION PHASE, CLEAR AND GRUB THE AREA NECESSARY TO INSTALL PERIMETER EROSION CONTROLS BEFORE BEGINNING ANY OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE THE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS HAVE BEEN STABILIZED.

1C. AREA ESTIMATES:

- TOTAL SITE AREA: 411.60 AC.

- TOTAL AREA TO BE DISTURBED: APPROX. 324.98 AC.

1D. RUNOFF DATA:

- COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION:
  BEFORE: 0.20 DURING: 0.20-0.50 AFTER: 0.50

- DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE: THE SURFICIAL SOILS ARE CHARACTERIZED AS FINE SANDS.

- ESTIMATES OF SIZE OF DRAINAGE AREA FOR EACH OUTFALL:

BASIN	SIZE (AC)	OUTFALL LOCATION (LAT/LONG)	RECEIVING WATER
B-TEST1	91.09	81°-49'-25"	LAKE ARIETTA
B-TEST2	63.92	81°-50'-07"	WILLIAM'S COMPANY DITCH

1E. SITE MAP:

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

- DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAP.

- APPROXIMATE SLOPE: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS, THE TYPICAL SECTION SHEETS, THE PROFILE SHEETS AND THE POND DETAIL SHEETS.

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

- LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE TYPICAL SECTION SHEETS AND THE POND DETAIL SHEETS.

- LOCATIONS OF PERMANENT CONTROLS: THE STORMWATER PONDS ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE ROADWAY PLAN SHEETS AND THE POND DETAIL SHEETS.

- AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS, THE PLAN-PROFILE SHEETS AND THE POND DETAIL SHEETS.

- SURFACE WATERS: UNNAMED SURFACE WATERS WITHIN THE PROJECT SITE ARE SHOWN ON THE ROADWAY PLAN SHEETS AND POND DETAIL SHEETS.

- WETLANDS: UNNAMED WETLANDS WITHIN THE PROJECT SITE ARE SHOWN ON THE PLAN SHEETS AND POND DETAIL SHEETS.

1F. NAME OF RECEIVING WATERS: REFER TO ITEM 1D.

2. CONTROLS:

IN THE EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES AND SUBMIT TO THE ENGINEER FOR REVIEW. THE PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS APPROVED BY THE ENGINEER:

- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED AS THE FIRST STEP OF CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

- CLEARING AND GRUBBING OPERATIONS WILL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE DISTURBED.

- EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. NEW AND EXISTING STRUCTURES WILL BE PROTECTED FROM SILTATION DURING CONSTRUCTION.

- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE SEQUENCE OF CONSTRUCTION AND IMPLEMENTATION OF CONTROLS. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADJUST TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO UPDATE THE SWPPP TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL, RECEIVING WATER, OR OTHERWISE VIOLATING STATE AND FEDERAL PERMIT REQUIREMENTS.

2A. EROSION AND SEDIMENT CONTROLS:

THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- THE CONSTRUCTION PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE TIED TO SPECIFIC DATES OR CONSTRUCTION ACTIVITIES.

- ALTERATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO THE DIFFERENCES BETWEEN THE CONSTRUCTION PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS AND PHASING.

- THE NAME AND PHONE NUMBER OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24-HOUR BASIS.

2.A.1. STABILIZATION PRACTICES:

IN THE EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICABLE, (BUT IN NO CASE MORE THAN 7 DAYS) IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, AS APPLICABLE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

___TEMPORARY ARTIFICIAL COVERINGS
_X_TEMPORARY SODDING
_X_TEMPORARY GRASSING
_X_TEMPORARY MULCHING
_X_PERMANENT ASPHALT OR CONCRETE SURFACE
_X_PERMANENT PLANTING, SODDING OR SEEDING
____BUFFER ZONES
____PRESERVATION OF NATURAL RESOURCES
_X_EROSION PROTECTION PER EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.

2.A.2. STRUCTURAL PRACTICES:

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL NECESSARY EROSION CONTROL, INCLUDING, BUT NOT LIMITED TO, SILT FENCES, SYNTHETIC BALES, TURBIDITY BARRIERS,AND ANY OTHER MISCELLANEOUS ITEMS AS INDICATED WITHIN THE CONTRACT DOCUMENTS, OR AS REQUIRED PER APPLICABLE STANDARDS OR THE ENGINEER.

IN THE EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE REFERENCED CONTROL MEASURES, AS IDENTIFIED IN THE CONSTRUCTION PLANS AND THE GENERAL NOTES.

_X_INLET PROTECTION
_X_SILT FENCES (TYPE III)
_X_SYNTHETIC BALES
_X_BERMS
_X_DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
_X_PIPE SLOPE DRAINS
____FLUMES
____ROCK BEDDING AT CONSTRUCTION EXIT
____TIMBER BEDDING AT CONSTRUCTION EXIT
____DITCH LINER
____SEDIMENT TRAPS
____SEDIMENT BASINS
____STORM INLET SEDIMENT TRAP
____STONE OUTLET STRUCTURES
_X_CURBS AND GUTTERS
_X_STORM SEWERS
____VELOCITY CONTROL DEVICES
_X_FLOATING AND STAKED TURBIDITY BARRIERS
____RIPRAP

2B. DESCRIPTION OF STORMWATER MANAGEMENT:

THE EXISTING DRAINAGE FLOWS ARE CAPTURED IN ROADSIDE DITCHES AND STORM DRAIN SYSTEMS WITH DIRECT OUTFALL TO SURFACE WATERS (SEE ITEM 1D). THERE ARE NO EXISTING PERMITTED STORMWATER TREATMENT FACILITIES WITHIN THE PROJECT LIMITS.

THE PROPOSED DRAINAGE FLOWS WILL BE CAPTURED IN TWO WET DETENTION PONDS.

2.C. OTHER CONTROLS:

2.C.1. WASTE DISPOSAL:

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

- PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

- DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

- DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2. OFF-SITE VEHICLE TRACKING AND DUST-CONTROL:

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

HAUL ROADS DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
EXCESS DIRT ON ROAD REMOVED DAILY
SOIL TRACKING PREVENTION DEVICE
USING ROADWAY SWEEPERS DURING DUST-GENERATING ACTIVITIES

2.C.3. SANITARY WASTE:

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

2.C.4. FERTILIZERS AND PESTICIDES:

IN THE EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTION 570, 575 AND 580 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2.C.5. TOXIC SUBSTANCES:

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

2D. APPROVED STATE AND LOCAL PLANS, OR STORMWATER PERMITS REQUIRED:

- INDIVIDUAL ERP (SWFWMD)
- INDIVIDUAL PERMIT (USACE)
- NPDES PERMIT (FDEP)
- CONSERVATION PERMIT (FWC)

3. MAINTENANCE:

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 344

4. INSPECTION:

THE CONTRACTOR SHALL INSPECT ALL EROSION DEVICES ONCE EVERY SEVEN CALENDAR DAYS AND IMMEDIATELY AFTER THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. THE CONTRACTOR WILL USE FDOT FORM 650-040-03 TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. THE CONTRACTOR WILL SIGN EACH INSPECTION REPORT AND SUBMIT IT WEEKLY TO THE ENGINEER.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES. RAINFALL AMOUNTS SHALL BE RECORDED DAILY AND SUBMITTED TO THE ENGINEER ALONG WITH WEEKLY INSPECTION REPORTS.

THE CONTRACTOR SHALL ALSO INSPECT THE CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST SWPPP. IN ADDITION, THE CONTRACTOR MUST MAINTAIN ALL EROSION CONTROL DEVICES AS REQUIRED HEREIN AND AS SPECIFIED IN STATE AND/OR FEDERAL ENVIRONMENTAL REGULATORY PERMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE DAILY REVIEW OF THE LOCATION OF SILT FENCES AND TURBIDITY BARRIERS IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF TO ENSURE THAT SILT FENCES AND TURBIDITY BARRIERS ARE PROPERLY LOCATED FOR EFFECTIVENESS.

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

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

5. NON-STORMWATER DISCHARGES (INCLUDING SPILL REPORTING):

IN THE EROSION CONTROL PLANS, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE AND FEDERAL AGENCY HAVING JURISDICTION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT FLORIDA'S TURNPIKE ENTERPRISE AT (407) 532-3999.

IF DEWATERING IS REQUIRED, THE CONTRACTOR MUST ABIDE BY THE FDEP RULE 62-621.300(2) FOR GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITIES. THE CONTRACTOR SHALL ALSO COORDINATE WITH SWFWMD TO DETERMINE, AND OBTAIN, REQUIRED PERMITS.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

J. ALEXANDER GEORGE, P.E.
P.E. LICENSE NUMBER 59006
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 345

GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 601, 602 and 603.

2. THE REGULATORY SPEED USED FOR MOT CALCULATIONS FOR EACH FACILITY ARE NOTED BELOW. MODIFICATIONS TO THE REGULATORY SPEED MAY REQUIRE RESUBMITTAL OF THE MOT PLAN.

LOCAL FACILITY NAME	REGULATORY SPEED
BRADDOCK RD.	35 MPH

3. THE NUMBER OF LANES CLOSED AND THE HOURS LANE CLOSURES ARE PERMITTED ARE AS FOLLOWS:

   FACILITY NAME (BRADDOCK RD.)

   ONE LANE CAN BE CLOSED IN ONE DIRECTION BETWEEN 09:00 AM TO 03:00 PM.

   ROAD CLOSURE COORDINATOR CONTACT INFORMATION:

   EMAIL: ROADCLOSURECOORDINATOR@POLK-COUNTY.NET

   PHONE: 863-535-2200

4. ARROWS SHOWN ON THE PLANS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT INDICATE PAVEMENT MARKINGS.

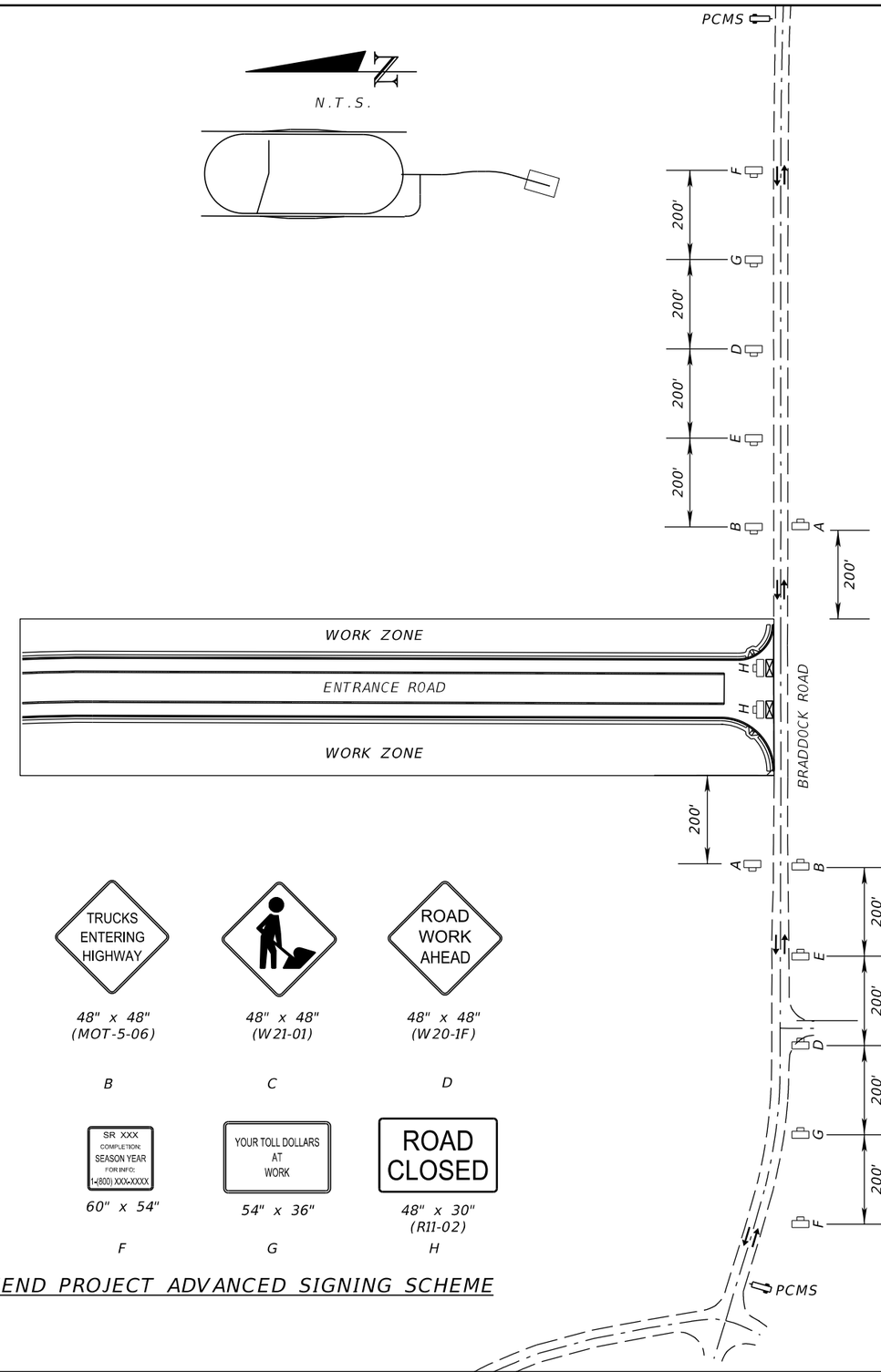
PLACE PORTABLE CHANGEABLE MESSAGE SIGN (P.C.M.S.) IN ADVANCE OF THE WORK ZONE (AS DEPICTED ON THIS PLAN SHEET) FOR A PERIOD OF FIVE DAYS PRIOR TO ANY LANE CLOSURES. MESSAGE SHOULD READ:

MESSAGE I

LANE
CLOSURE

MESSAGE II

MM/DD/YY
TO
MM/DD/YY



LEGEND

- Lane Identification and Direction of Traffic
- Work Zone Sign
- TYPE III BARRICADE
- Sign 48" x 48" (Min.)
- Portable Changeable (Variable) Message Sign

24" x 48"
(G20-02)

A

48" x 48"
(MOT-5-06)

B

48" x 48"
(W21-01)

C

48" x 48"
(W20-1F)

D

54" x 36"
(MOT-14-06)

E

60" x 54"

F

54" x 36"

G

48" x 30"
(R11-02)

H

BEGIN/END PROJECT ADVANCED SIGNING SCHEME

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EDWARD COLON, P.E.
P.E. LICENSE NUMBER 56855
BCC ENGINEERING, INC.
160 NORTH WESTMONTE DRIVE, SUITE 2000
ALTAMONTE SPRINGS, FLORIDA 32714
CERTIFICATE OF AUTHORIZATION NO. 7184

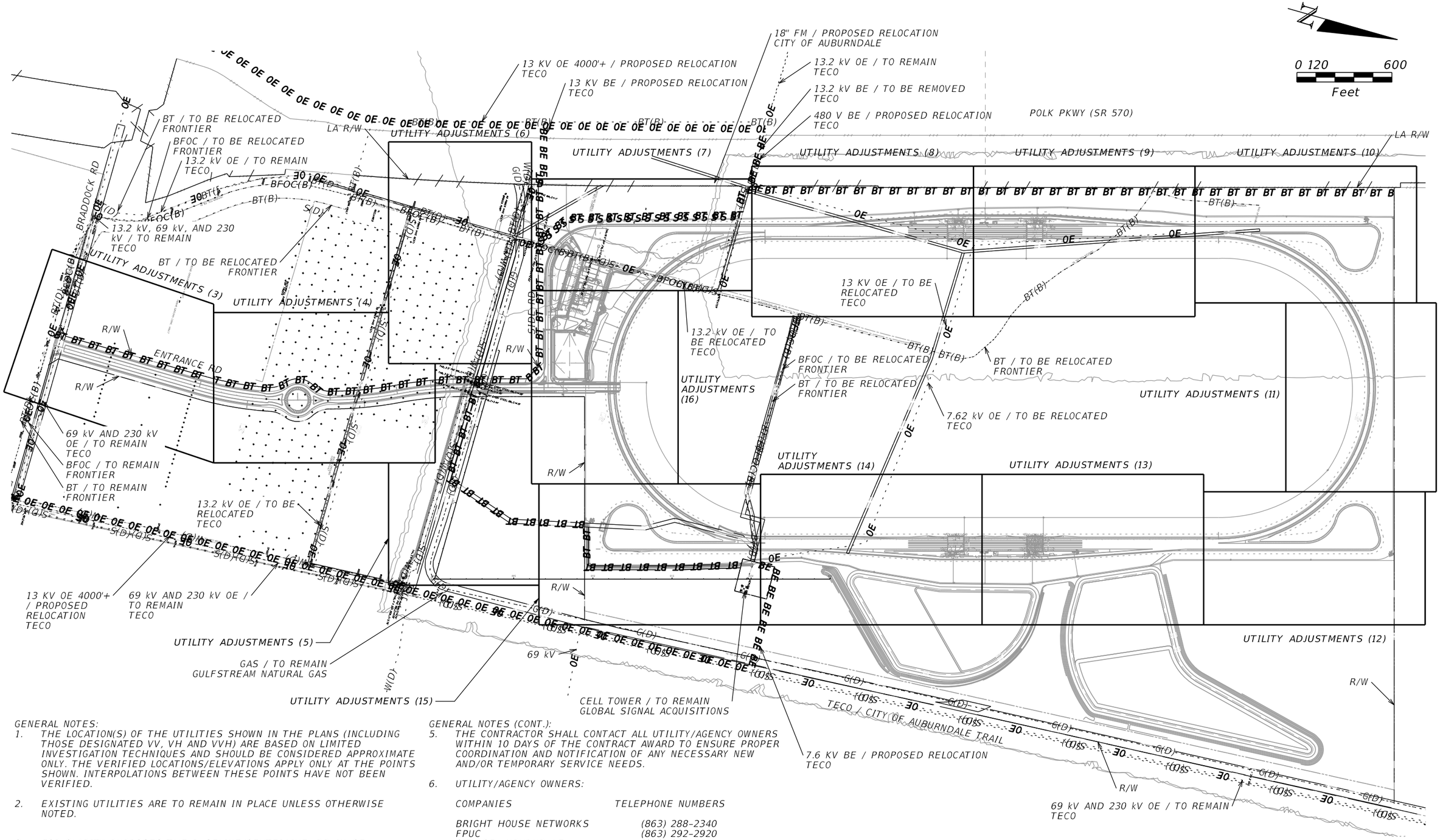
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 346

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



GENERAL NOTES:

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH AND VVH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. FOR CLARITY PURPOSES THE BASELINE/CENTERLINE, DRAINAGE STRUCTURES (EXISTING AND PROPOSED), AND STATION NUMBERS ARE NOT SHOWN ON THE UTILITY ADJUSTMENTS SHEET.
4. REFER TO SITE PLANS FOR LOCATIONS OF PROPOSED SERVICE UTILITIES.

GENERAL NOTES (CONT.):

5. THE CONTRACTOR SHALL CONTACT ALL UTILITY/AGENCY OWNERS WITHIN 10 DAYS OF THE CONTRACT AWARD TO ENSURE PROPER COORDINATION AND NOTIFICATION OF ANY NECESSARY NEW AND/OR TEMPORARY SERVICE NEEDS.
6. UTILITY/AGENCY OWNERS:

COMPANIES	TELEPHONE NUMBERS
BRIGHT HOUSE NETWORKS	(863) 288-2340
FPUC	(863) 292-2920
CITY OF AUBURNDALE	(863) 965-5511
GULFSTREAM NATURAL GAS	(941) 723-7108
MCI	(972) 729-6322
TAMPA ELECTRIC COMPANY	(813) 228-1157
FRONTIER COMMUNICATIONS	(863) 688-9714

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (1)

SHEET NO. 347

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

SUMMARY OF VERIFIED UTILITIES

Vvh #	UTILITY DESCRIPTION (Owner, Type)	SIZE	MATERIALS	NORTHING	EASTING	EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
1	CITY OF AUBURNDALE, WM	3.5"	PVC	1372853.45	713038.77	157.17	155.17	
2	CITY OF AUBURNDALE, WM	3.5"	PVC	1372908.09	711687.07	169.29	167.57	
3	CITY OF AUBURNDALE, WM	3.5"	PVC	1372918.69	710882.58	167.68	165.91	
4	CITY OF AUBURNDALE, WM	3.5"	PVC	1372947.26	710460.02	171.73	170.62	
5	CITY OF AUBURNDALE, FM	19.5"	DIP	1372928.44	711798.94	168.74	165.30	
6	GULFSTREAM NATURAL GAS, GM	24"	EPOXY STEEL	1373000.42	711783.82	168.83	164.64	
7	GULFSTREAM NATURAL GAS, GM	24"	EPOXY STEEL	1373000.76	711719.48	169.09	165.00	
8	CITY OF AUBURNDALE, WM	3.5"	PVC	1372906.57	711727.69	169.40	167.79	
9	CITY OF AUBURNDALE, SAN FM	19.5"	DIP	1372927.89	711728.18	168.98	165.72	
10	CITY OF AUBURNDALE, SAN FM	19.5"	DIP	1373106.75	710777.09	169.24	166.06	
11	CITY OF AUBURNDALE, SAN FM	19.5"	DIP	1373492.74	710772.46	171.05	167.61	
12	FRONTIER COMMUNICATIONS, FOC	0.75"	POLY	1373449.62	710778.52	170.81	168.42	
13	FRONTIER COMMUNICATIONS, FOC	0.75"	POLY	1373106.23	710784.41	169.36	166.73	
14	CITY OF AUBURNDALE, SAN FM	19.5"	DIP	1372928.08	711735.81	168.97	165.62	
15	CITY OF AUBURNDALE, WM	12.75"	PVC	1372844.77	713081.67	157.04	152.26	
16	CITY OF AUBURNDALE, WM	12.75"	PVC	1372852.34	713081.15	156.73	151.94	
17	CITY OF AUBURNDALE, WM	3.5"	PVC	1372908.47	711795.46	169.15	167.34	
18	CITY OF AUBURNDALE, RCW	17.4"	DIP	1372843.98	713141.32	159.69	155.93	

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (2)

SHEET NO. 348

N

0 20 100
Feet

MATCH LINE A , SEE UTILITY ADJUSTMENTS (4)

13.2 kV/TO REMAIN TECO

BT/TO BE REMOVED FRONTIER

BT/PROPOSED RELOCATION FRONTIER
1-4" W/COPPER CABLE
2-1.25" W/FOC @ 67' F/BL

BT/HANDHOLE FRONTIER
607+50, 67' LT

R/W

PC STA. 608+57.57

610

605

N 0° 11' 10" E

600

BT STA. 600+00.00

META

R/W

SPRAY FIELD/TO BE REMOVED
CITY OF AUBURNDALE
SEE NOTE #1

BT/TO REMAIN FRONTIER

69 kV AND 230 kV/TO REMAIN TECO

SPRAY FIELD/TO REMAIN
CITY OF AUBURNDALE
SEE NOTE #2

ABOVE GROUND CONC. VAULT

VERIZON VAULT

OHW

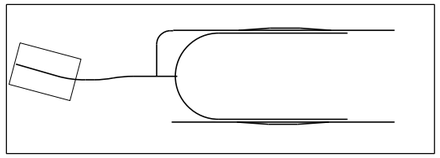
WOOD

BT(D)

BT(B)

BFOC(B)

OE



NOTES:

1. ALL SPRAY FIELD INFRASTRUCTURE WITHIN PROPOSED R/W TO BE REMOVED BY CITY OF AUBURNDALE.
2. ALL SPRAY FIELD INFRASTRUCTURE OUTSIDE OF PROPOSED R/W TO REMAIN.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (3)

SHEET NO. 349

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

SPRAY FIELD/TO REMAIN
CITY OF AUBURNDALE
SEE NOTE #2

SPRAY FIELD/TO REMAIN
CITY OF AUBURNDALE
SEE NOTE #2

13.2 kV OE / TO BE RELOCATED
TECO

BT/PROPOSED RELOCATION
FRONTIER
1-4" W/COPPER CABLE
2-1.25" W/FOC @ 67' F/BL

BT/HANDHOLE
FRONTIER
615+00, 99' LT

6" PVC IRRIGATION MAIN/TO BE RELOCATED
CITY OF AUBURNDALE
SEE NOTE #3

BT/PROPOSED RELOCATION
FRONTIER
1-4" W/COPPER CABLE
2-1.25" W/FOC @ 57' F/BL

BT/HANDHOLE
FRONTIER
624+00, 57' LT

R/W

R/W

R/W

R/W

PT STA 615+87.3

PC STA 617+91.52

PRC STA 622+19.73

PI STA 624+34.80

PI STA 612+74.80

PI STA 620+06.23

615

620

N 15° 51' 41" W

SPRAY FIELD/TO BE REMOVED
CITY OF AUBURNDALE
SEE NOTE #1

SPRAY FIELD/TO BE REMOVED
CITY OF AUBURNDALE
SEE NOTE #1

13.2 kV OE / TO BE RELOCATED
TECO

MATCH LINE A, SEE UTILITY ADJUSTMENTS (3)

MATCH LINE B, SEE UTILITY ADJUSTMENTS (5)

0 20 100
Feet

NOTES:

1. ALL SPRAY FIELD INFRASTRUCTURE WITHIN PROPOSED R/W TO BE REMOVED BY CITY OF AUBURNDALE.
2. ALL SPRAY FIELD INFRASTRUCTURE OUTSIDE OF PROPOSED R/W TO REMAIN.
3. 6" PVC IRRIGATION MAIN TO BE ADJUSTED BY CITY OF AUBURNDALE TO A GREATER DEPTH AT THE EXISTING LOCATION TO ELIMINATE CONFLICT WITH PROPOSED STORM SEWER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

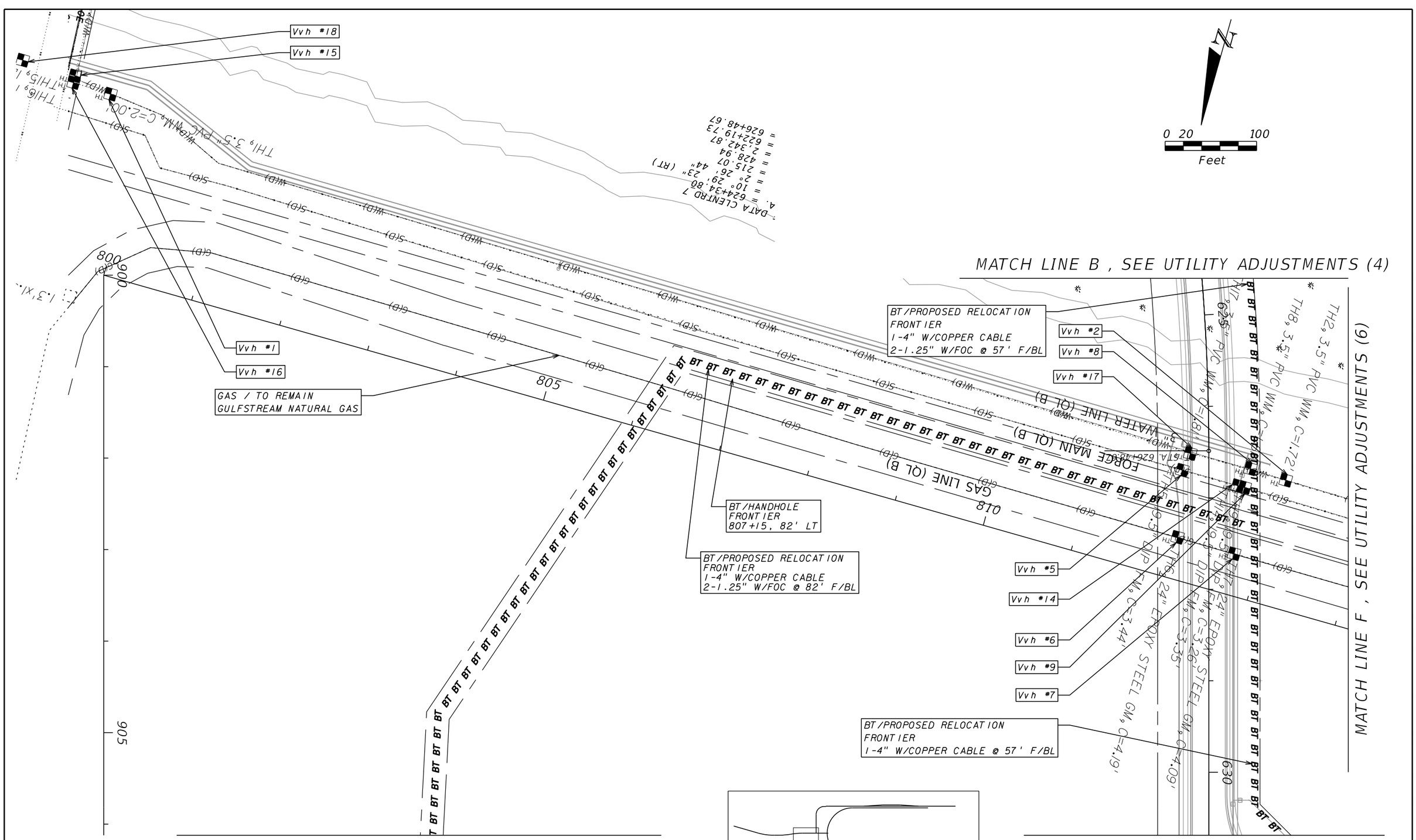
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (4)

SHEET NO. 350

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

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (5)

SHEET NO. 351

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

NOTES:

1. ALL SPRAY FIELD INFRASTRUCTURE WITHIN PROPOSED R/W TO BE REMOVED BY CITY OF AUBURNDALE.

2. ALL SPRAY FIELD INFRASTRUCTURE OUTSIDE OF PROPOSED R/W TO REMAIN.

13.2 kV OE / TO BE RELOCATED
TECO

SPRAY FIELD / TO REMAIN
CITY OF AUBURNDALE
SEE NOTE #2

BT / TO BE RELOCATED
FRONTIER

BFOC / TO BE RELOCATED
FRONTIER

BT / TO BE RELOCATED
FRONTIER

13.2 kV OE / TO BE RELOCATED
TECO

LA R/W

0 20 100
Feet

MATCH LINE F , SEE UTILITY ADJUSTMENTS (5)

Vvh #3

GAS / TO REMAIN
GULFSTREAM NATURAL GAS

LA R/W

Vvh #4

MATCH LINE G , SEE UTILITY ADJUSTMENTS (7)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

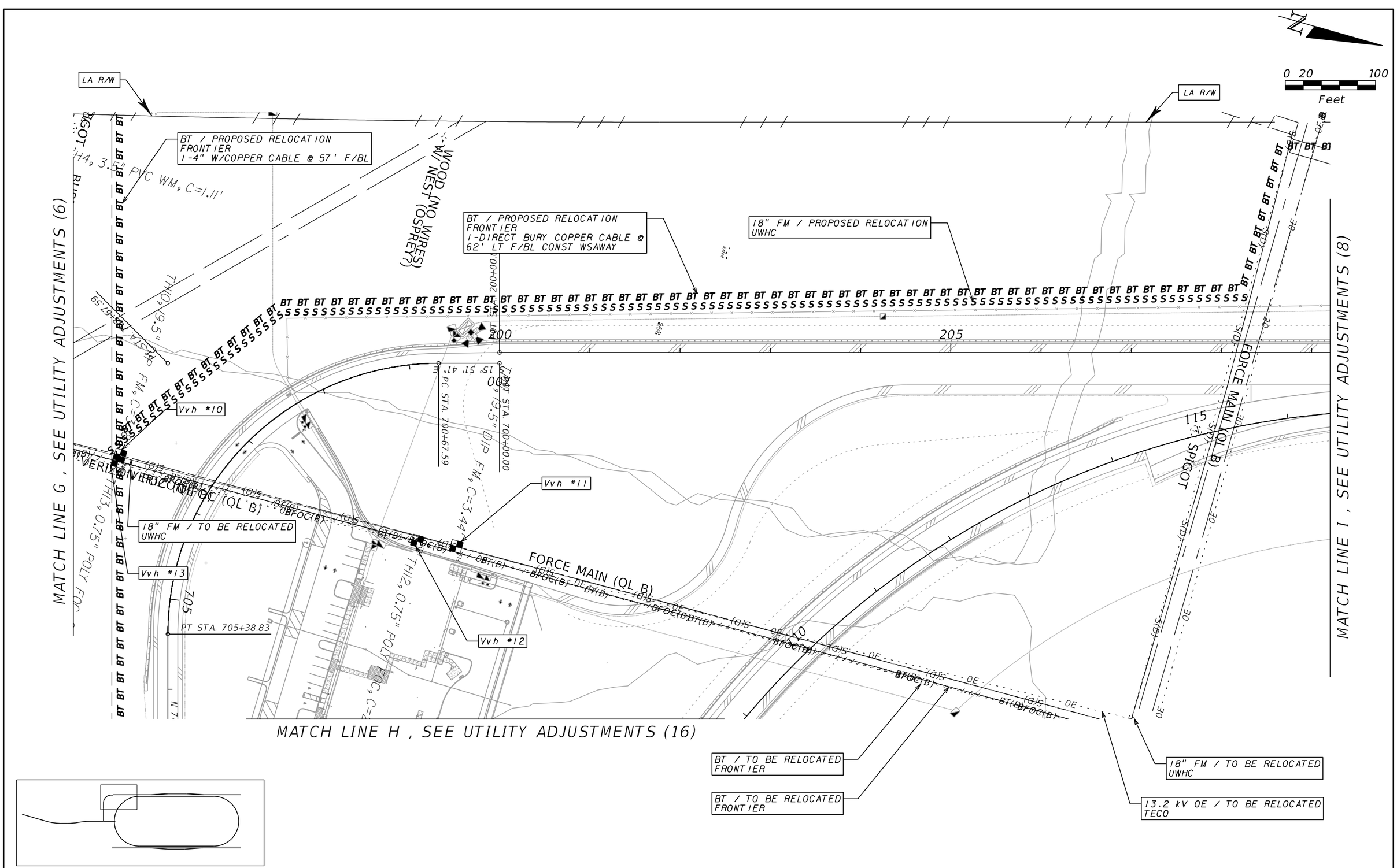
ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (6)

SHEET NO. 352



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (7)

SHEET NO. 353

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LA R/W

LA R/W

0 20 100
Feet

13.2 kV OE / TO BE RELOCATED
TECO

BT/PROPOSED RELOCATION
FRONTIER
1-DIRECT BURY COPPER
CABLE @ 233' LT F/BL
CONST WSAWAY

POT STA. 300+00.00

PT STA. 300+52.38

PT STA. 306+95.28

N 15° 51' 41" W

POT STA. 0+00.00

PT STA. 117+30.44

MATCH LINE I , SEE UTILITY ADJUSTMENTS (7)

MATCH LINE J , SEE UTILITY ADJUSTMENTS (9)

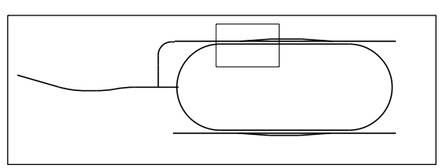
OE (7.62 kV) / TO BE RELOCATED
TECO

BT / TO BE RELOCATED
FRONTIER

VERIZON FOC (QL B)

BFOC(B)

BT(B)



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

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (8)

SHEET NO.
354

LA R/W

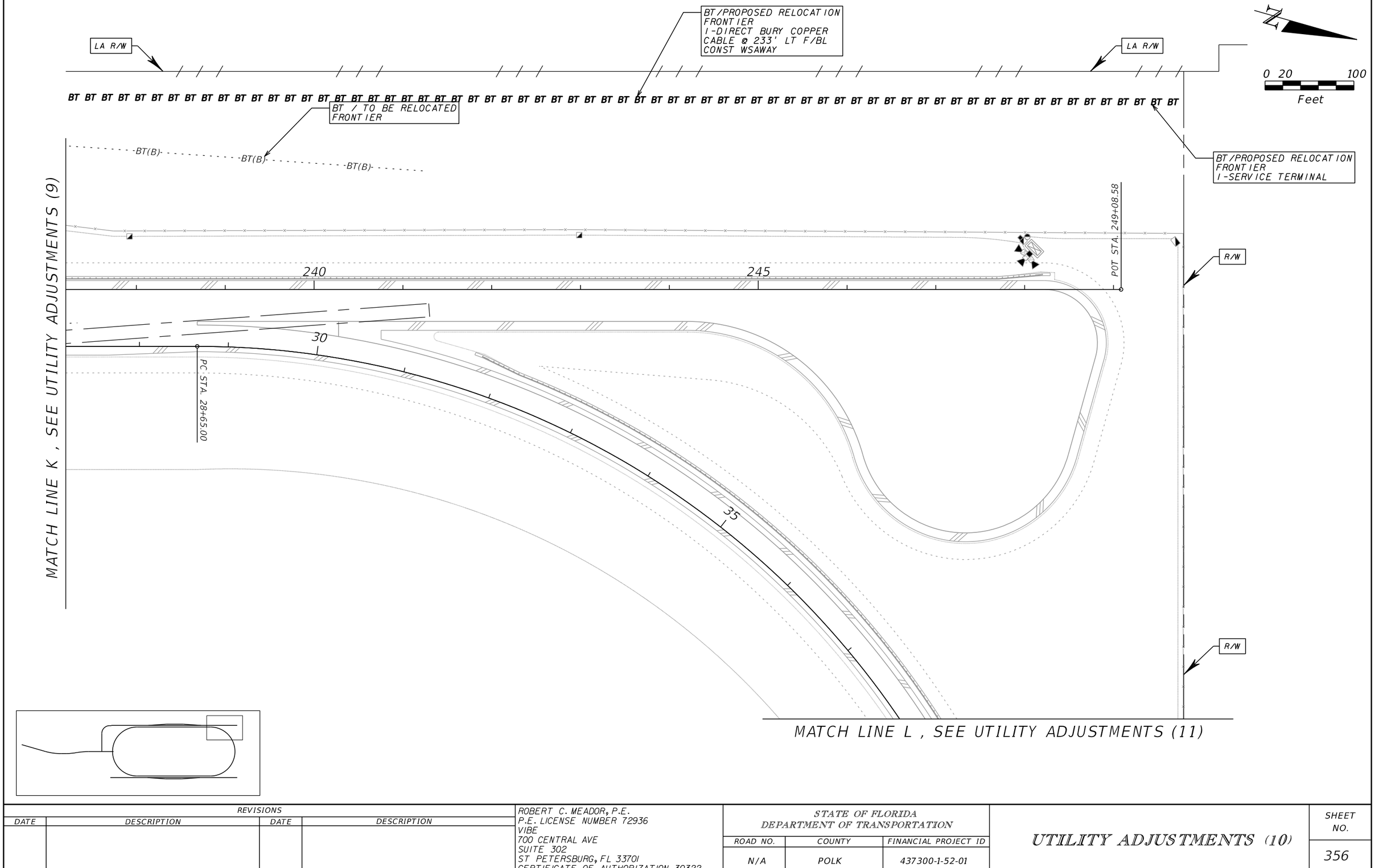
BT/PROPOSED RELOCATION
FRONTIER
1-DIRECT BURY COPPER
CABLE @ 233' LT F/BL
CONST WSAWAY

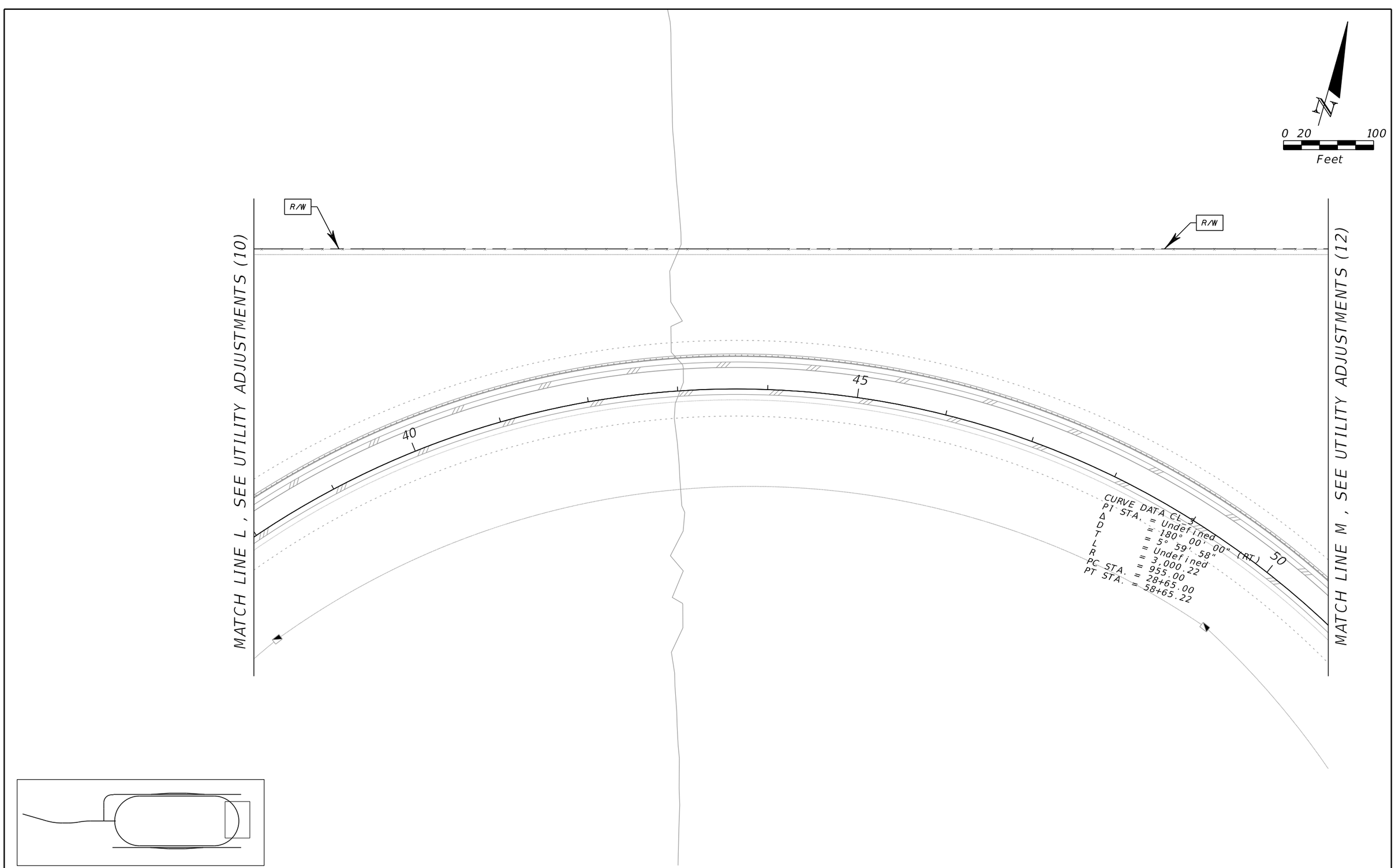
LA R/W

N

0 20 100
Feet

BT BT BT


LA R/W
BT/PROPOSED RELOCATION
FRONTIER
1-DIRECT BURY COPPER
CABLE @ 233' LT F/BL
CONST WSAWAY
LA R/W
0 20 100
Feet
BT BT BT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (11)

SHEET NO. 357

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

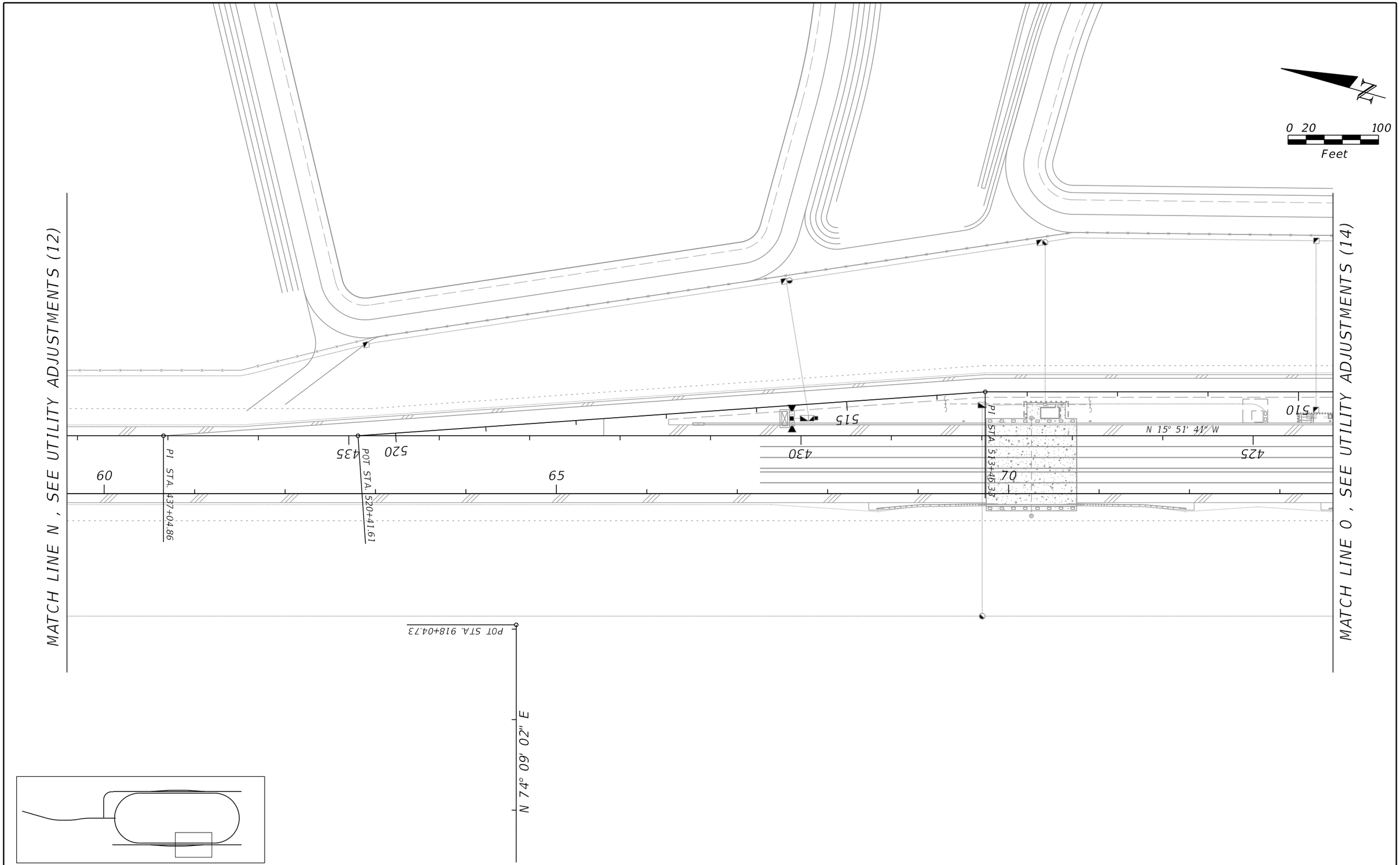
ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (12)

SHEET NO. 358



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

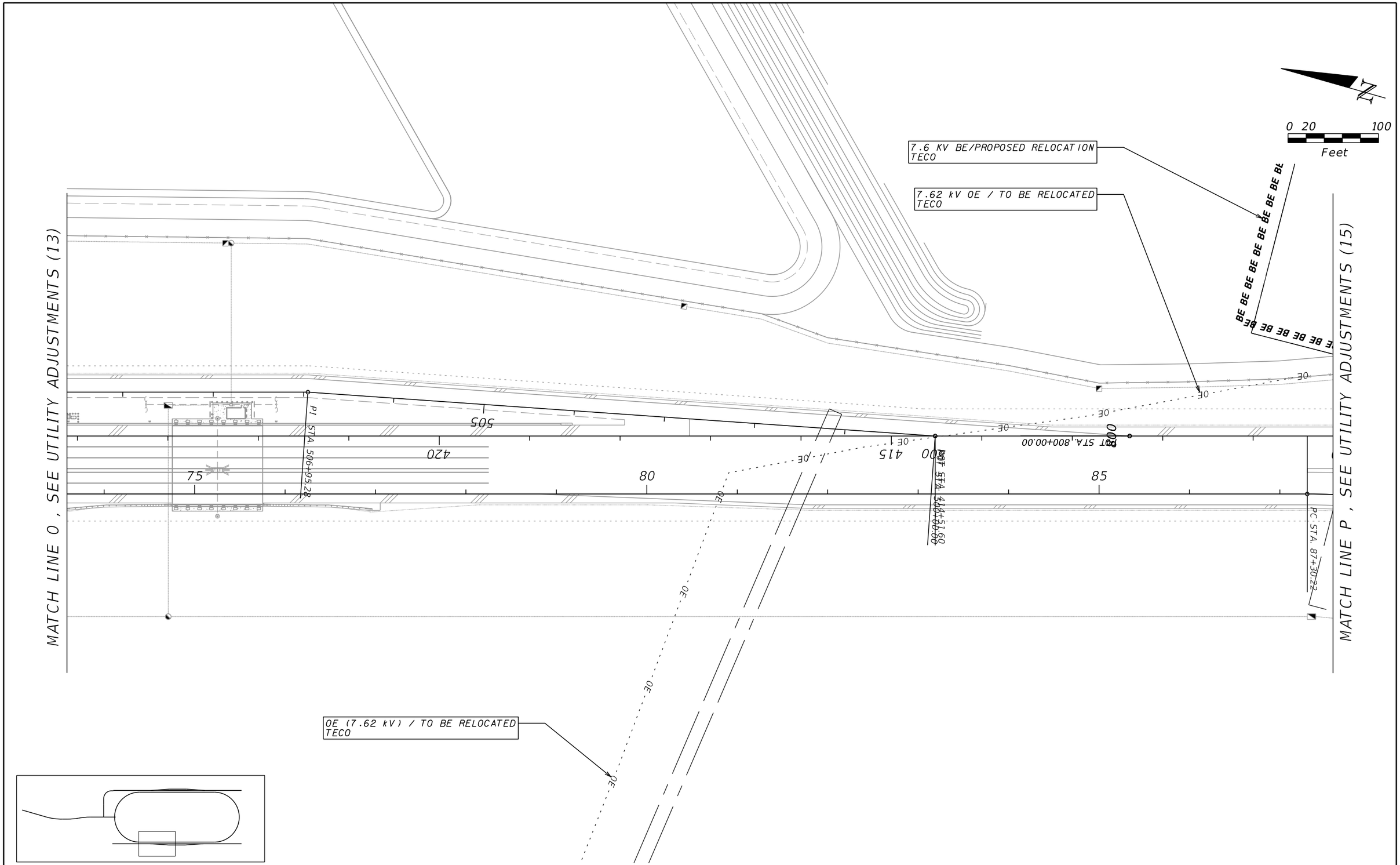
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (13)

SHEET NO. 359

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


N
0 20 100
Feet
7.6 KV BE/PROPOSED RELOCATION
TECO
7.62 kV OE / TO BE RELOCATED
TECO
BE BE BE BE BE BE BE BE BE BE BE BE BE BE BE BE
OE
OE
O

CELL TOWER / TO REMAIN
GLOBAL SIGNAL ACQUISITIONS

R/W

0 20 100
Feet

BT/PROPOSED RELOCATION
FRONTIER
1-4" W/COPPER CABLE
2-1.25" W/FOC @ 53' F/BL

MATCH LINE P , SEE UTILITY ADJUSTMENTS (14)

BT / TO BE RELOCATED
FRONTIER

BT/HANDHOLE
FRONTIER
911+60, 73' LT

BT/PROPOSED RELOCATION
FRONTIER
1-4" W/COPPER CABLE
2-1.25" W/FOC @ 350' F/BL

MATCH LINE D , SEE UTILITY ADJUSTMENTS (5)

BT / TO BE RELOCATED
FRONTIER

BFOC / TO BE RELOCATED
FRONTIER

MATCH LINE Q , SEE UTILITY ADJUSTMENTS (16)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

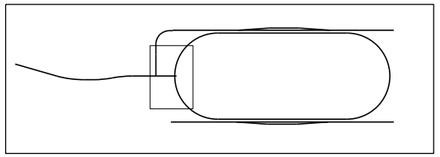
ROBERT C. MEADOR, P.E.
P.E. LICENSE NUMBER 72936
VIBE
700 CENTRAL AVE
SUITE 302
ST PETERSBURG, FL 33701
CERTIFICATE OF AUTHORIZATION 30322

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

UTILITY ADJUSTMENTS (15)

SHEET NO. 361



MATCH LINE E , SEE UTILITY ADJUSTMENTS (5)

BT/PROPOSED RELOCATION FRONTIER 1-4" W/COPPER CABLE @ 57' F/BL

R/W

BT BT BT

SECTIONS 20 & 29, TOWNSHIP 27 SOUTH, RANGE 25 EAST
POLK COUNTY, FLORIDA

0 200 400 800 1200 1600
Scale: 1" = 800'

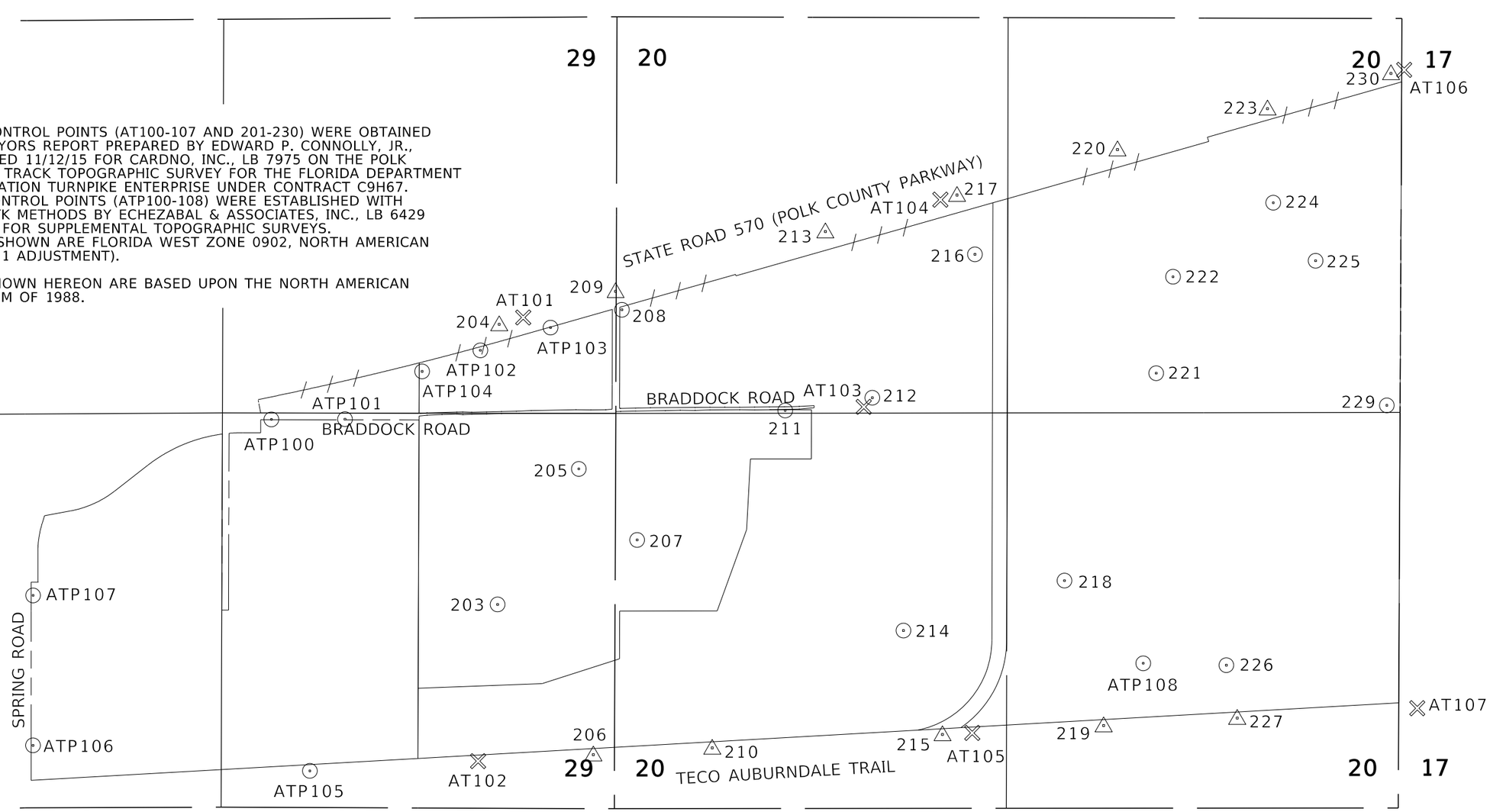
31 30 30 19 19 18

32 29 29 20 20 17

GENERAL NOTES:

1) RECOVERED CONTROL POINTS (AT100-107 AND 201-230) WERE OBTAINED FROM A SURVEYORS REPORT PREPARED BY EDWARD P. CONNOLLY, JR., PSM 6911, DATED 11/12/15 FOR CARDNO, INC., LB 7975 ON THE POLK PARKWAY TEST TRACK TOPOGRAPHIC SURVEY FOR THE FLORIDA DEPARTMENT OF TRANSPORTATION TURNPIKE ENTERPRISE UNDER CONTRACT C9H67. ADDITIONAL CONTROL POINTS (ATP100-108) WERE ESTABLISHED WITH REDUNDANT RTK METHODS BY ECHEZABAL & ASSOCIATES, INC., LB 6429 AS NECESSARY FOR SUPPLEMENTAL TOPOGRAPHIC SURVEYS. COORDINATES SHOWN ARE FLORIDA WEST ZONE 0902, NORTH AMERICAN DATUM 83 (2011 ADJUSTMENT).

2) ELEVATIONS SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988.



LEGEND

℄	= BASELINE
ELEV	= ELEVATION
HORIZ.	= HORIZONTAL
ID	= IDENTIFICATION
INC.	= INCORPORATED
IRC	= IRON ROD & CAP
LB	= LICENSED BUSINESS
N&D	= NAIL & DISK
NO.	= NUMBER
REC	= RECOVERED
R.P.	= REFERENCE POINT
T.P.	= TRAVERSE POINT
VERT.	= VERTICAL

33 28 28 21 21 16

INDEX

SHEET No.	DESCRIPTION
CTL-1	GENERAL NOTES, LEGEND, CONTROL LAYOUT
CTL-2	SECONDARY CONTROL TABULATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

WILLIAM L. WHITLEY, P.L.S.
P.E. LICENSE NUMBER 4325
ECHEZABAL & ASSOCIATES, INC.
25400 U.S. HWY. 19 N., SUITE 137
CLEARWATER, FLORIDA 33763
CERTIFICATE OF AUTHORIZATION 00006429

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

PROJECT NETWORK CONTROL SHEET

SHEET NO. CTL-1

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PROJECT CONTROL (SECONDARY HORIZONTAL AND VERTICAL)

POINT ID	STATION	℄	OFFSET	ELEV(Z)	NORTHING(Y)	EASTING(X)	SCALE FACTOR	LATITUDE	LONGITUDE	DESCRIPTION
AT101				169.36'	1373637.563	710126.749	0.99994451	28°06'44.95786"	81°49'57.38293"	REC 4'x4' AERIAL TARGET
AT102				158.36'	1373334.442	713104.300	0.99994489	28°06'41.91467"	81°49'24.13518"	REC 4'x4' AERIAL TARGET
AT103				165.97'	1375924.351	710726.847	0.99994459	28°07'07.59318"	81°49'50.64561"	REC 4'x4' AERIAL TARGET
AT104				162.67'	1376439.130	709335.952	0.99994442	28°07'12.70940"	81°50'06.17193"	REC 4'x4' AERIAL TARGET
AT105				160.16'	1376652.858	712915.112	0.99994487	28°07'14.77601"	81°49'26.19431"	REC 4'x4' AERIAL TARGET
AT106				170.82'	1379553.670	708464.647	0.99994431	28°07'43.56086"	81°50'15.85675"	REC 4'x4' AERIAL TARGET
AT107				161.08'	1379641.466	712749.223	0.99994485	28°07'44.37123"	81°49'27.99885"	REC 4'x4' AERIAL TARGET
201				168.46'	1372934.850	710792.354	0.99994460	28°06'37.99052"	81°49'49.96052"	REC 5/8" IRC "CARDNO T.P. LB 7975"
202				159.54'	1372897.801	713128.651	0.99994490	28°06'37.59073"	81°49'23.87033"	REC N&D "CARDNO T.P. LB 7975"
203				167.78'	1373465.560	712052.723	0.99994476	28°06'43.22798"	81°49'35.87679"	REC 5/8" IRC "CARDNO T.P. LB 7975"
204				169.66'	1373476.138	710173.124	0.99994452	28°06'43.35881"	81°49'56.86751"	REC N&D "CARDNO T.P. LB 7975"
205				170.94'	1374010.764	711142.843	0.99994464	28°06'48.63928"	81°49'46.02956"	REC 5/8" IRC "CARDNO T.P. LB 7975"
206				157.06'	1374108.508	713061.091	0.99994489	28°06'49.58002"	81°49'24.60518"	REC N&D "CARDNO T.P. LB 7975"
207				169.47'	1374402.534	711619.612	0.99994470	28°06'52.51189"	81°49'40.69886"	REC 5/8" IRC "CARDNO T.P. LB 7975"
208				163.62'	1374300.171	710074.665	0.99994451	28°06'51.51965"	81°49'57.95441"	REC 5/8" IRC "CARDNO T.P. LB 7975"
209				167.81'	1374257.821	709951.350	0.99994449	28°06'51.10198"	81°49'59.33224"	REC N&D "CARDNO T.P. LB 7975"
210				157.66'	1374906.748	713016.081	0.99994488	28°06'57.48475"	81°49'25.09492"	REC N&D "CARDNO T.P. LB 7975"
211				169.29'	1375397.037	710750.743	0.99994459	28°07'02.37144"	81°49'50.38693"	REC 5/8" IRC "CARDNO T.P. LB 7975"
212				165.38'	1375981.736	710665.343	0.99994458	28°07'08.16225"	81°49'51.33162"	REC 5/8" IRC "CARDNO T.P. LB 7975"
213				164.68'	1375666.426	709550.401	0.99994444	28°07'05.05528"	81°50'03.78861"	REC N&D "CARDNO T.P. LB 7975"
214				155.34'	1376190.899	712227.914	0.99994478	28°07'10.21153"	81°49'33.87677"	REC 5/8" IRC "CARDNO T.P. LB 7975"
215				159.71'	1376452.833	712925.580	0.99994487	28°07'12.79523"	81°49'26.08064"	REC N&D "CARDNO T.P. LB 7975"
216				162.47'	1376670.945	709702.609	0.99994446	28°07'14.99987"	81°50'02.07336"	REC 5/8" IRC "CARDNO T.P. LB 7975"
217				162.41'	1376550.679	709305.217	0.99994441	28°07'13.81436"	81°50'06.51351"	REC N&D "CARDNO T.P. LB 7975"
218				158.54'	1377272.254	711892.613	0.99994474	28°07'20.92373"	81°49'37.60441"	REC 5/8" IRC "CARDNO T.P. LB 7975"
219				161.33'	1377534.998	712865.362	0.99994486	28°07'23.51157"	81°49'26.73569"	REC N&D "CARDNO T.P. LB 7975"
220				164.96'	1377627.818	708999.757	0.99994438	28°07'24.48417"	81°50'09.90886"	REC N&D "CARDNO T.P. LB 7975"
221				166.88'	1377888.100	710500.379	0.99994456	28°07'27.04113"	81°49'53.14448"	REC 5/8" IRC "CARDNO T.P. LB 7975"
222				170.15'	1378001.133	709853.234	0.99994448	28°07'28.16921"	81°50'00.37072"	REC 5/8" IRC "CARDNO T.P. LB 7975"
223				169.10'	1378635.849	708725.597	0.99994434	28°07'34.46924"	81°50'12.95583"	REC N&D "CARDNO T.P. LB 7975"
224				166.70'	1378674.339	709356.272	0.99994442	28°07'34.84193"	81°50'05.91110"	REC 5/8" IRC "CARDNO T.P. LB 7975"
225				168.43'	1378958.492	709745.700	0.99994447	28°07'37.65033"	81°50'01.55715"	REC 5/8" IRC "CARDNO T.P. LB 7975"
226				157.85'	1378359.114	712460.394	0.99994481	28°07'31.67773"	81°49'31.24544"	REC 5/8" IRC "CARDNO T.P. LB 7975"
227				160.61'	1378431.948	712815.738	0.99994485	28°07'32.39378"	81°49'27.27546"	REC N&D "CARDNO T.P. LB 7975"
229				161.31'	1379436.918	710716.359	0.99994459	28°07'42.37438"	81°49'50.70812"	REC 5/8" IRC "CARDNO T.P. LB 7975"
230				170.95'	1379464.668	708488.989	0.99994431	28°07'42.67925"	81°50'15.58619"	REC N&D "CARDNO T.P. LB 7975"
ATP100				165.84'	1371946.600	710810.380	0.99994460	28°06'28.20471"	81°49'49.77460"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP101				166.00'	1372440.663	710808.899	0.99994460	28°06'33.09690"	81°49'49.78345"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP102				172.78'	1373350.159	710347.093	0.99994454	28°06'42.10899"	81°49'54.92661"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP103				166.06'	1373820.886	710194.503	0.99994452	28°06'46.77217"	81°49'56.62344"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP104				172.09'	1372958.755	710488.539	0.99994456	28°06'38.23141"	81°49'53.35304"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP105				160.92'	1372204.877	713169.864	0.99994490	28°06'30.72888"	81°49'23.42133"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP106				167.81'	1370345.495	712998.551	0.99994488	28°06'12.31990"	81°49'25.36454"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP107				170.80'	1370346.243	711991.962	0.99994475	28°06'12.34163"	81°49'36.60497"	SET 5/8" IRC "LB 6429 T.P.-R.P."
ATP108				159.08'	1377801.077	712447.657	0.99994481	28°07'26.15222"	81°49'31.39673"	SET 5/8" IRC "LB 6429 T.P.-R.P."

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

WILLIAM L. WHITLEY, P.L.S.
P.E. LICENSE NUMBER 4325
ECHEZABAL & ASSOCIATES, INC.
25400 U.S. HWY. 19 N., SUITE 137
CLEARWATER, FLORIDA 33763
CERTIFICATE OF AUTHORIZATION 00006429

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
N/A	POLK	437300-1-52-01

PROJECT NETWORK CONTROL SHEET

SHEET NO.
CTL-2

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 5J-17, F.A.C.