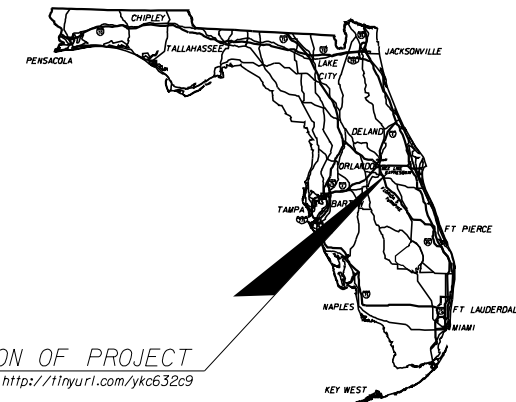




BOARD OF COUNTY COMMISSIONERS
OSCEOLA COUNTY, FLORIDA
ENGINEERING DEPARTMENT

ROADWAY PLANS FOR
COUNTY CONTRACT NO. PS-22-13174-DG
JACK BRACK ROAD WIDENING
FROM NARCOOSSEE ROAD TO ABSHER ROAD



CONTRACT PLANS COMPONENTS

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

INDEX OF ROADWAY PLANS

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9	EXISTING DRAINAGE STRUCTURES
10-14	TYPICAL SECTION
15-17	TYPICAL SECTION DETAILS
18-31	SUMMARY OF DRAINAGE STRUCTURES
32-34	PROJECT LAYOUT
35-40	PROJECT CONTROL
41	GENERAL NOTES
42-66	ROADWAY PLAN
67-93	ROADWAY PROFILE
94-110	GRADING DETAIL
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357-378	POND CROSS SECTIONS
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381-405	EROSION CONTROL PLAN
406-526	TEMPORARY TRAFFIC CONTROL PLAN
527-551	UTILITY ADJUSTMENT
GR-1*	ROADWAY SOIL SURVEY

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

GOVERNING STANDARD PLANS:

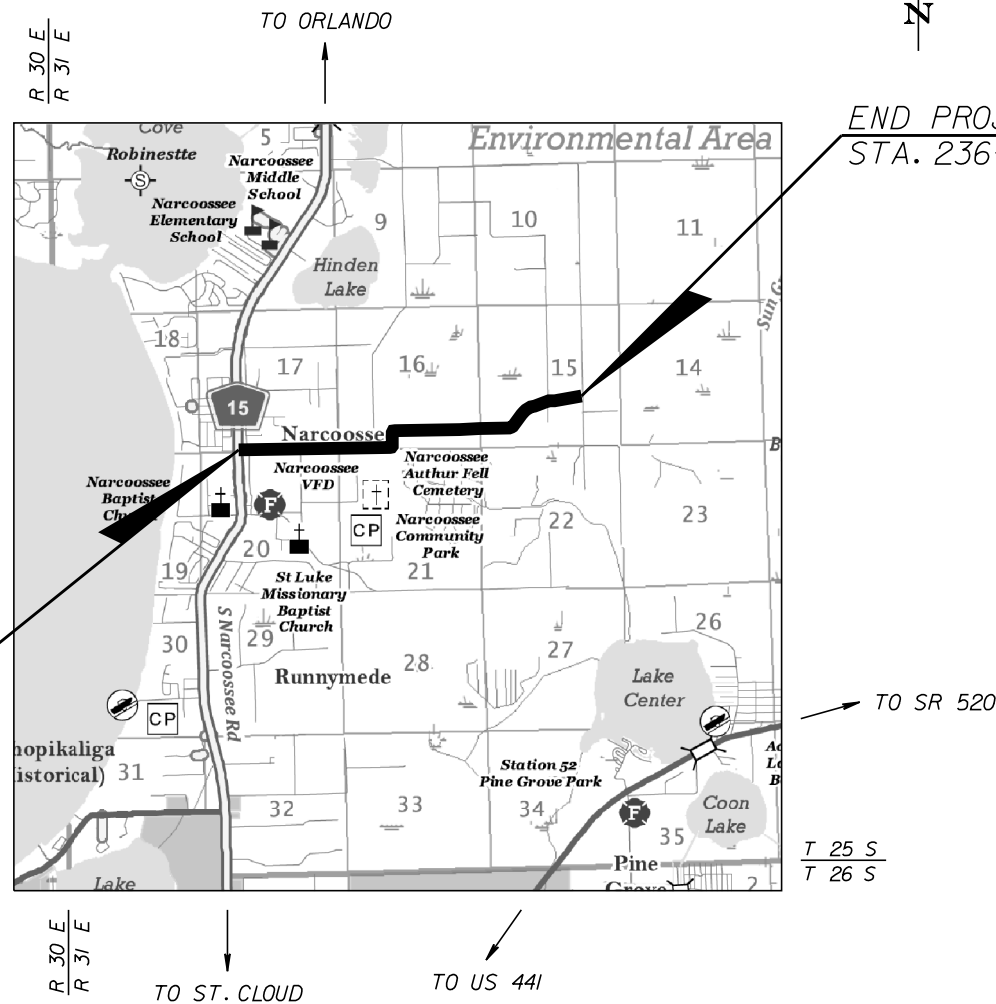
Florida Department of Transportation, FY 2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

Osceola County Board of County Commissioners Road Construction Specifications at the following website: <http://tinyurl.com/yc2mzhpp>



BOARD OF COUNTY COMMISSIONERS

- | | |
|-------------------|------------|
| PEGGY CHOUDHRY | DISTRICT 1 |
| VIVIANA JANER | DISTRICT 2 |
| BRANDON ARRINGTON | DISTRICT 3 |
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| RICKY BOOTH | DISTRICT 5 |

COUNTY ADMINISTRATION

DON FISHER, COUNTY MANAGER

PUBLIC WORKS DEPARTMENT

MEHUL PAREKH, P.E., PUBLIC WORKS DIRECTOR
 NICHOLAS HARTLEY, P.E., ASSISTANT DIRECTOR OF TRANSPORTATION

ROADWAY PLANS

ENGINEER OF RECORD:

KEVIN JOSEPH IANNARONE NO.: 71527
 INWOOD CONSULTING ENGINEERS
 3000 DOVERA DRIVE, SUITE 200
 OVIEDO, FLORIDA 32765
 P: 407.971.8850 F: 407.971.8955
 VENDOR NO.: F593216593003

OSCEOLA COUNTY PROJECT MANAGER

JOSE J. SANTIAGO, CFM


60% SUBMITTAL
APRIL 2024

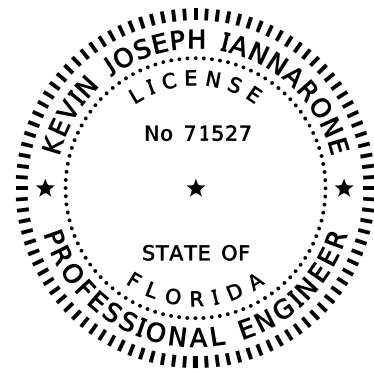
FISCAL YEAR	SHEET NO.
25	1

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NOTES TO REVIEWER

1. TEMPORARY CONSTRUCTION EASEMENTS (TCE) WILL BE REQUIRED FOR DRIVEWAY TIE-DOWNS AND SIDEWALK SLOPES. THE WIDTHS AND LOCATIONS OF THE DRIVEWAYS ARE STILL BEING COORDINATED WITH OSCEOLA COUNTY. FINAL DRIVEWAY SIZES, LOCATIONS, AND THE NECESSARY TCE'S (FOR BOTH) WILL BE PROVIDED FOR THE 90% SUBMITTAL.
2. SIGNAL MODIFICATIONS ARE REQUIRED AT NARCOOSSEE ROAD. THE SCOPE IS BEING NEGOTIATED WITH OSCEOLA COUNTY. THESE IMPROVEMENTS WILL BE INCORPORATED FOR THE 90% SUBMITTAL.
3. ABSHER ROAD WILL BE SIGNALIZED. THE SCOPE IS BEING NEGOTIATED WITH OSCEOLA COUNTY. THESE IMPROVEMENTS WILL BE INCORPORATED FOR THE 90% SUBMITTAL.
4. PONTENTIAL NEED OF TEMPORARY CONSTRUCTION EASEMENTS (TCE) MAY BE REQUIRED FOR LOCATIONS WHERE EXISTING SIDEWALKS ARE LOCATED OUTSIDE THE RIGHT-OF-WAY AND ARE TO BE REMOVED.
5. COORDINATION WITH THE ADJACENT PROJECT (EAST OF ABSHER ROAD) REGARDING CONNECTION OF THE STORMSEWER IS ONGOING.

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD	 OSCEOLA COUNTY ENGINEERING DEPARTMENT <small>1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623</small>	NOTES TO REVIEWER	SHEET NO.
DATE	BY	DESCRIPTION		1-A			



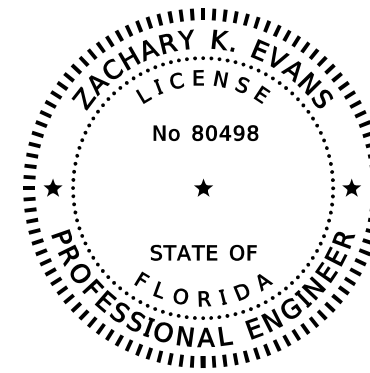
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3000 DOVERA DRIVE, SUITE 200
OVIDEO, FL 32765
KEVIN JOSEPH IANNARONE, P.E. NO. 71527

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
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527-551	UTILITY ADJUSTMENTS




THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

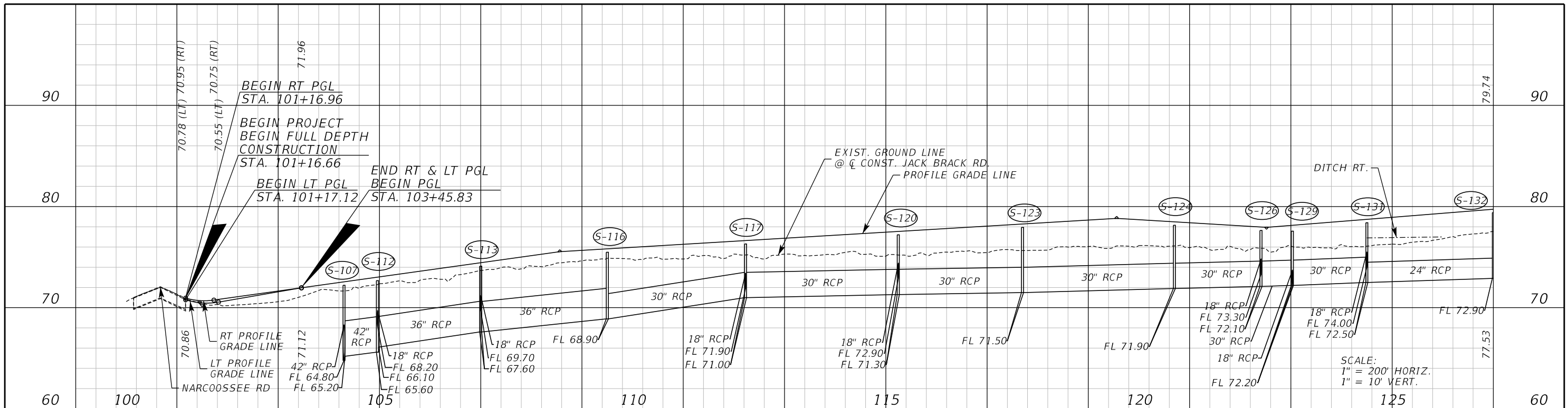
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INWOOD CONSULTING ENGINEERS, INC.
3000 DOVERA DRIVE, SUITE 200
OVIDEO, FL 32765
ZACHARY K. EVANS, P.E. NO. 80498

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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
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3-8	DRAINAGE MAP
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REVISIONS			DATE	BY	DESCRIPTION	JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	SIGNATURE SHEET	SHEET NO.
										2



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



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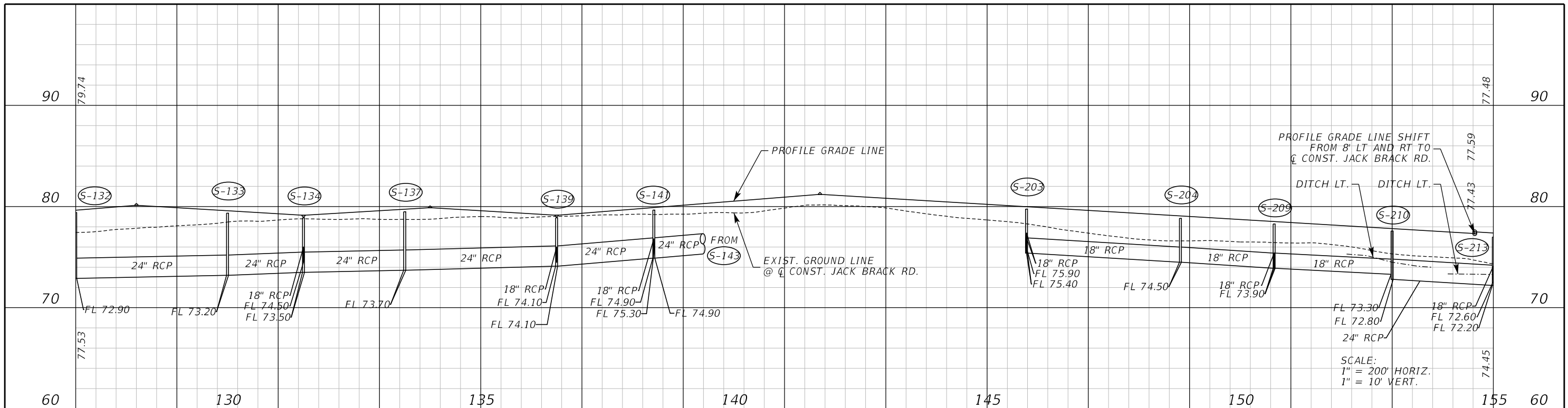
DRAINAGE MAP

SHEET NO.
3

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.
AERIAL DATE: 11/2023



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REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

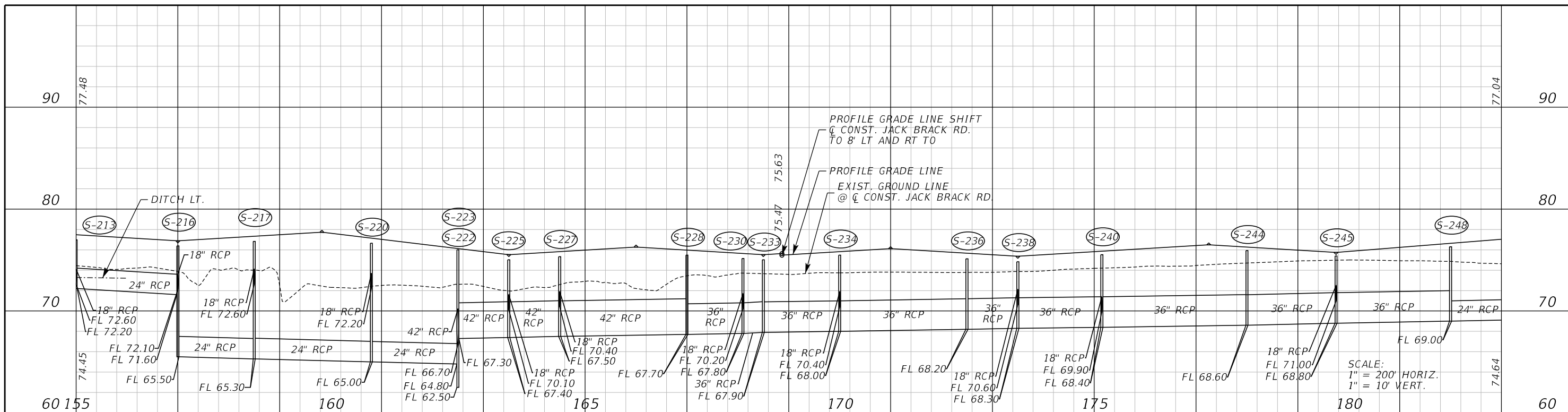
ENGINEER OF RECORD
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OSCEOLA COUNTY
ENGINEERING DEPARTMENT
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DRAINAGE MAP

SHEET NO.
4

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DATE	BY	DESCRIPTION

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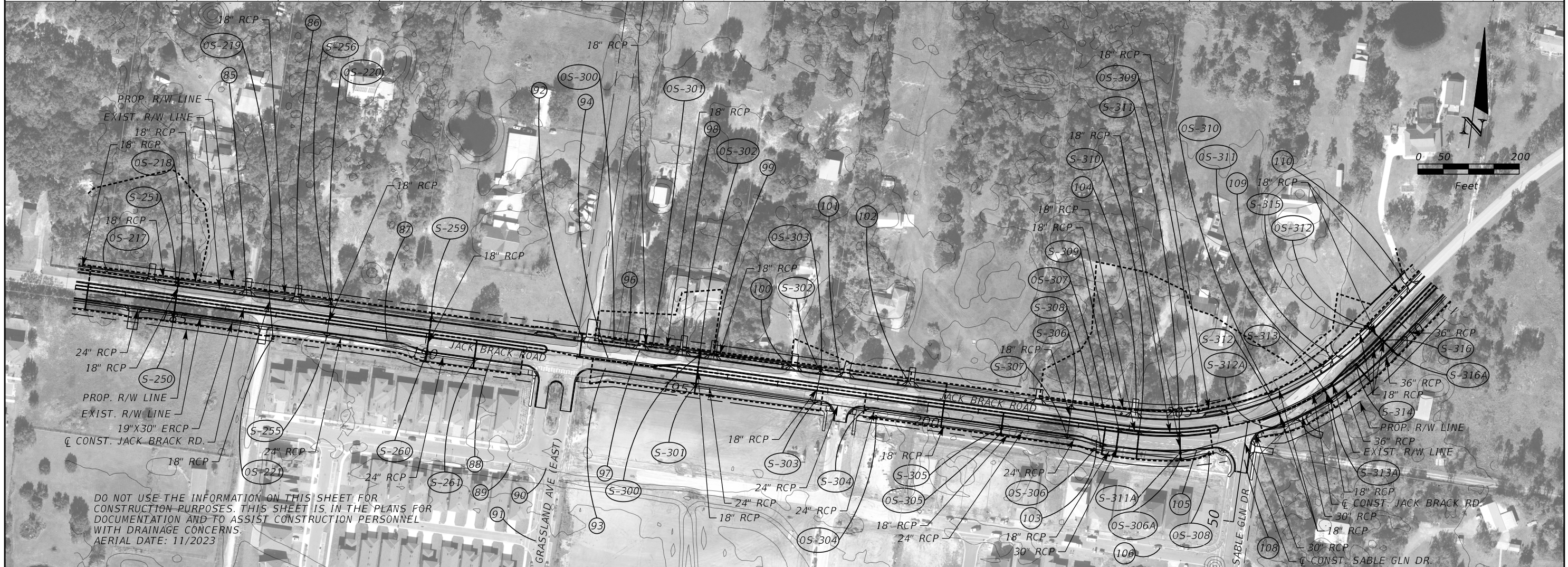
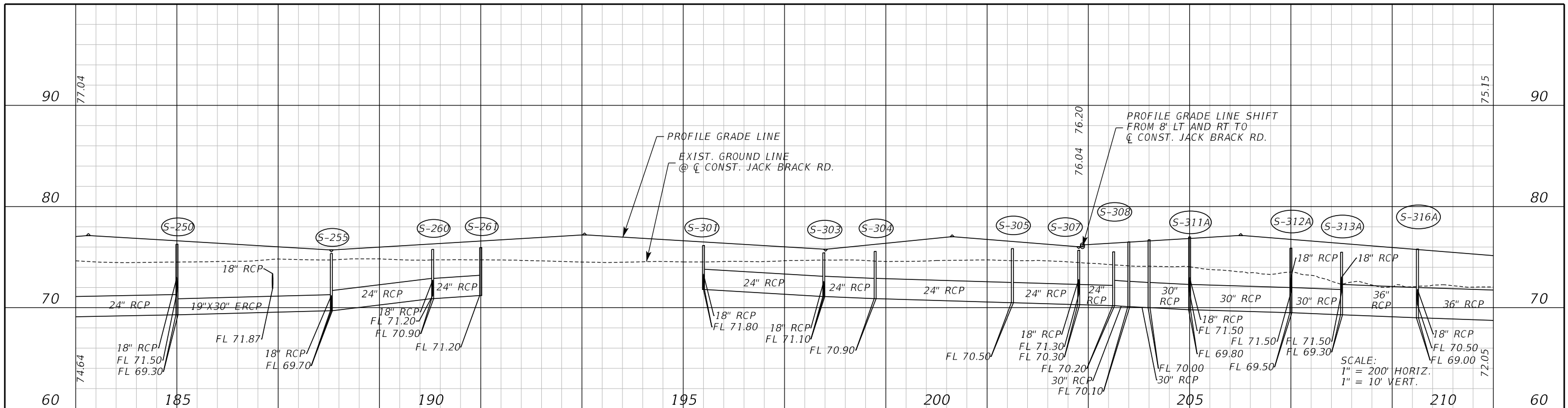
ENGINEER OF RECORD
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Oviedo, Florida 32765

**OSCEOLA COUNTY
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DRAINAGE MAP

SHEET
NO.
5

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REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

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Zachary K. Evans, PE
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Oviedo, Florida 32765

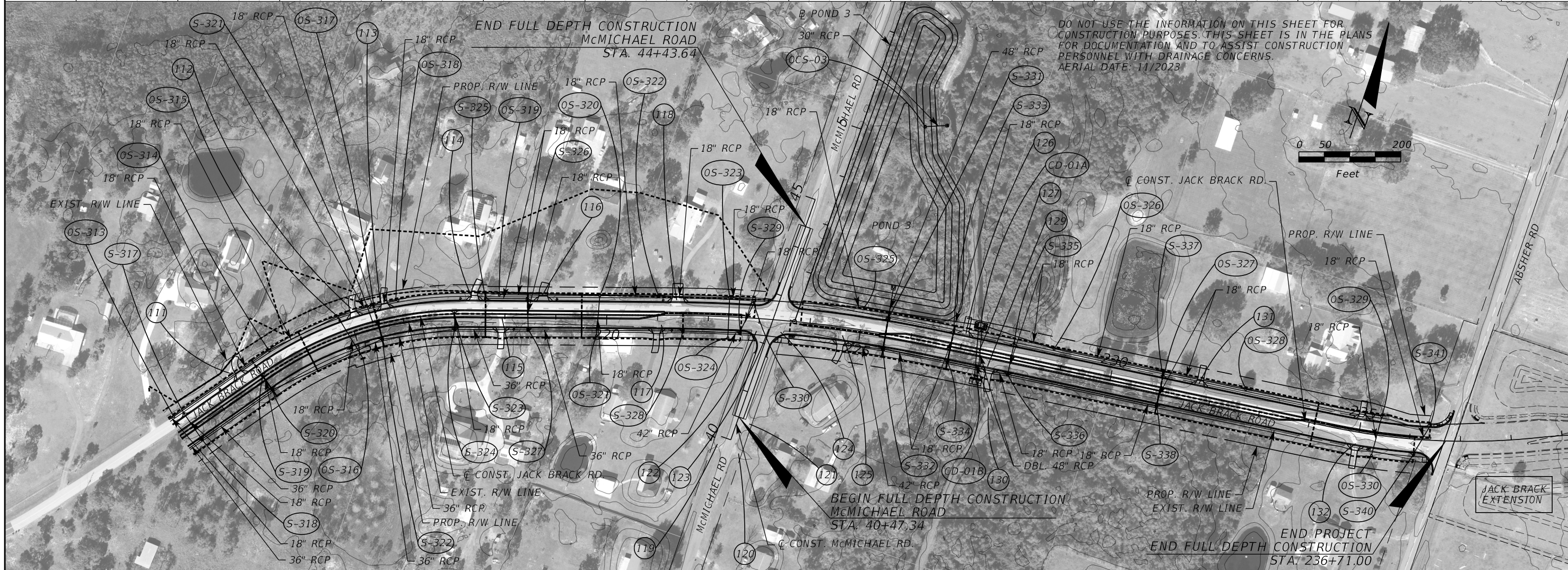
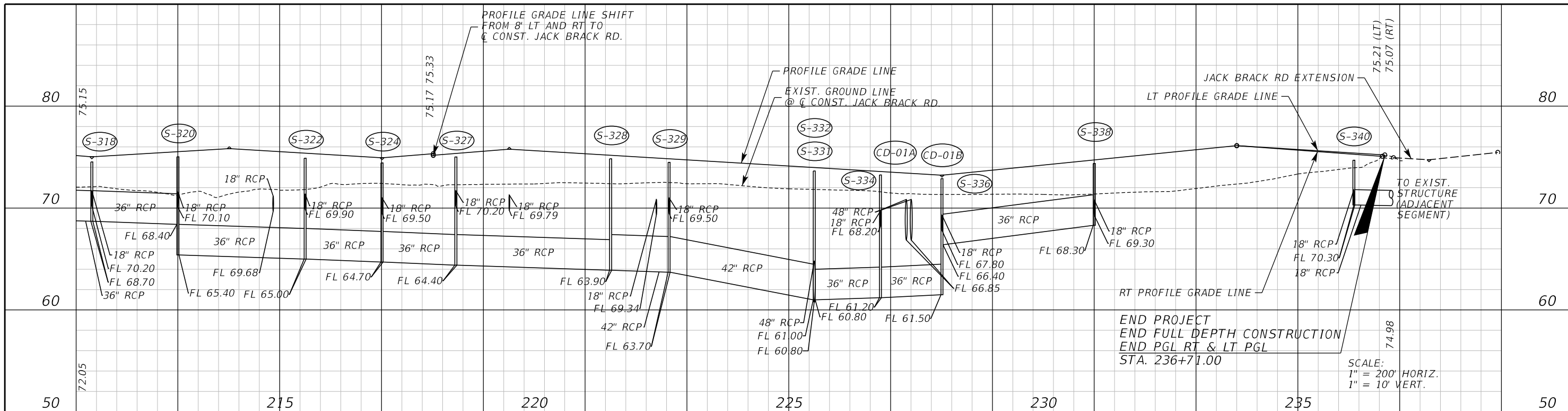


**OSCEOLA COUNTY
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1 Courthouse Square, Suite 1100
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DRAINAGE MAP

SHEET NO.
6

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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DRAINAGE MAP

SHEET
NO.
7

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CONTRIBUTING AREAS									
STRUCTURE NO.	AREA (Ac.)	STRUCTURE NO.	AREA (Ac.)	STRUCTURE NO.	AREA (Ac.)	STRUCTURE NO.	AREA (Ac.)	STRUCTURE NO.	AREA (Ac.)
S-101	N/A	S-201	0.04	S-246	0.58	S-304	0.16	OS-305	0.17
S-102	0.56	S-202	0.32	S-247	OMITTED	S-305	0.13	OS-306	0.03
S-103	0.55	S-203	0.39	S-248	0.13	S-306	0.54	OS-307	0.89
S-104	N/A	S-204	0.15	S-249	OMITTED	S-307	0.22	OS-308	0.03
S-105	N/A	S-205	0.06	S-250	0.19	S-308	0.03	OS-309	0.82
S-106	N/A	S-206	OMITTED	S-251	0.17	S-309	0.05	OS-310	0.22
S-107	0.08	S-207	0.49	S-252	OMITTED	S-310	0.11	OS-311	0.05
S-108	0.08	S-208	0.38	S-253	OMITTED	S-311	0.08	OS-312	0.08
S-109	0.10	S-209	0.16	S-254	OMITTED	S-312	0.04	OS-313	0.05
S-110	N/A	S-210	0.10	S-255	0.54	S-313	0.10	OS-314	0.05
S-111	0.19	S-211	0.34	S-256	0.49	S-314	0.09	OS-315	0.23
S-112	0.19	S-212	OMITTED	S-257	OMITTED	S-315	0.34	OS-317	0.18
S-113	0.23	S-213	0.19	S-258	OMITTED	S-316	0.08	OS-318	0.50
S-114	0.25	S-214	0.11	S-259	0.29	S-317	0.34	OS-319	0.50
S-115	0.39	S-215	0.38	S-260	0.12	S-318	0.37	OS-320	0.61
S-116	0.26	S-216	0.31	S-261	0.12	S-319	0.10	OS-321	0.12
S-117	0.29	S-217	0.12	OS-200	0.12	S-320	0.10	OS-322	0.55
S-118	0.22	S-218	0.15	OS-200A	0.09	S-321	0.15	OS-323	0.50
S-119	0.24	S-219	0.07	OS-200B	N/A	S-322	0.15	OS-324	0.20
S-120	0.23	S-220	0.09	OS-200C	0.32	S-323	0.21	OS-325	OMITTED
S-121	0.37	S-221	0.03	OS-201	N/A	S-324	0.22	OS-326	0.50
S-122	0.60	S-222	0.18	OS-202	0.25	S-325	0.08	OS-327	0.50
S-123	0.17	S-223	0.16	OS-203	0.17	S-326	0.10	OS-328	0.60
S-124	0.10	S-224	0.20	OS-204	OMITTED	S-327	0.20	OS-329	0.20
S-125	0.20	S-225	0.20	OS-205	N/A	S-328	0.22	OS-330	0.50
S-126	0.21	S-226	0.15	OS-206	N/A	S-329	0.13		
S-127	0.32	S-227	0.15	OS-207	OMITTED	S-330	0.31		
S-128	0.07	S-228	0.10	OS-208	N/A	S-331	0.18		
S-129	0.15	S-229	0.15	OS-209	N/A	S-332	0.18		
S-130A	N/A	S-230	0.12	OS-210	N/A	S-333	0.13		
S-130	0.38	S-231	0.05	OS-211	0.04	S-334	0.14		
S-131A	0.13	S-232	0.01	OS-212	0.06	S-335	0.40		
S-131	0.24	S-233	0.21	OS-213	0.04	S-336	0.44		
S-132	0.12	S-234	0.11	OS-214	0.18	S-337	0.30		
S-133	0.02	S-235	0.10	OS-215	0.04	S-338	0.33		
S-134	0.34	S-236	0.18	OS-216	0.10	S-339	OMITTED		
S-135	0.13	S-237	0.41	OS-217	0.82	S-340	0.18		
S-136	0.40	S-238	0.16	OS-218	0.40	S-341	0.23		
S-137	0.05	S-239	OMITTED	OS-219	0.07	CD-01A	N/A		
S-138	1.37	S-240	0.21	OS-220	0.14	CD-01B	N/A		
S-139	0.30	S-241	0.21	OS-221	N/A	OS-300	0.13		
S-140	0.33	S-242	OMITTED	S-300	0.24	OS-301	0.15		
S-141	0.32	S-243	OMITTED	S-301	0.21	OS-302	0.17		
S-142	0.26	S-244	0.08	S-302	0.47	OS-303	0.05		
S-143	1.37	S-245	0.42	S-303	0.26	OS-304	0.06		

STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		2% PROB	50 YR FREQ	1% PROB	100 YR FREQ	DISCHARGE	STAGE	PROB %	FREQ YR	DISCHARGE	STAGE	PROB %	FREQ YR
		DISCHARGE	STAGE	DISCHARGE	STAGE								
CD-01A	227+30.00	78.30	71.28	97.10	71.43	208.23	73.00	0.17	599	146.00	71.98	0.20	500

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 88.

REVISIONS			ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	SHEET NO.
DATE	BY	DESCRIPTION			
			Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	8

- ① CURB INLET
TOP GRATE = 68.64'
S INV (15" RCP) = 63.29'
- ② CURB INLET
TOP GRATE = 68.80'
N INV (15" RCP) = 63.61'
S INV (15" RCP) = 63.45'
- ③ DRAINAGE MANHOLE
TOP = 69.62'
N INV (15" RCP) = UNKNOWN
E INV (UNK SIZE & MATERIAL) = 60.94'
W INV (UNK SIZE & MATERIAL) = 60.75'
- ④ DRAINAGE MANHOLE
TOP = 70.77'
E INV (24" RCP) = 60.18'
S INV (24"X38" ERCP) = 65.15'
W INV (42" RCP) = 60.87'
- ⑤ CURB INLET
TOP MH = 71.26'
E INV (15" RCP) = 65.57'
- ⑥ DRAINAGE MANHOLE
TOP = 70.97'
- ⑦ DRAINAGE MANHOLE
TOP = 70.95'
- ⑧ DRAINAGE MANHOLE
TOP = 71.15'
- ⑨ CURB INLET
GRATE = 71.23'
E INV (UNK SIZE & MATERIAL) = 66.33'
- ⑩ DRAINAGE MANHOLE
TOP = 72.54'
N INV (24"X38" ERCP) = 65.89'
S INV (24"X38" ERCP) = 65.91'
BOTTOM = 65.95'
- ⑪ OMITTED
- ⑫ OMITTED
- ⑬ OMITTED
- ⑭ OMITTED
- ⑮ OMITTED
- ⑯ OMITTED
- ⑰ OMITTED
- ⑱ OMITTED
- ⑲ OMITTED
- ⑳ OMITTED
- ㉑ OMITTED
- ㉒ OMITTED
- ㉓ OMITTED
- ㉔ OMITTED
- ㉕ OMITTED

- ⑳ OMITTED
- ㉑ DRAINAGE MANHOLE
TOP = 72.70'
N INV (36" RCP) = 64.51'
SE INV (UNK SIZE & MATERIAL) = 62.47'
BOTTOM = 63.16'
- ㉒ MITERED END SECTION
- ㉓ MITERED END SECTION
- ㉔ DRAINAGE SPILLWAY
- ㉕ CURB INLET
TOP = 71.76'
S INV (36" RCP) = 64.98'
W INV (24" RCP) = 65.78'
BOTTOM = 65.20'
- ㉖ MITERED END SECTION
S INV (12"X18" ERCP) = 69.93'
- ㉗ DRAINAGE MANHOLE
TOP = 72.26'
N INV (12"X18" ERCP) = 68.78'
E INV (24"X38" ERCP) = 63.86'
W INV (24"X28" ERCP) = 63.78'
BOTTOM = 63.82'
- ㉘ DRAINAGE MANHOLE
TOP = 72.26'
N INV (12"X18" ERCP) = 68.78'
E INV (24"X38" ERCP) = 63.86'
W INV (24"X38" ERCP) = 63.78'
BOTTOM = 63.82'
- ㉙ CURB INLET
TOP = 71.10'
SE INV (24"X38" ERCP) = 64.09'
W INV (24"X38") = 64.05'
BOTTOM = 64.18'
- ㉚ DITCH BOTTOM INLET
GRATE = 68.88'
SE INV (18" RCP) = 64.14'
NW INV (24"X38" ERCP) = 64.11'
- ㉛ CURB INLET
TOP = 70.20'
S INV (15" RCP) = 64.54'
NW INV (18" RCP) = 64.44'
- ㉜ CURB INLET
TOP GRATE = 70.26'
N INV (15" RCP) = 64.83'
- ㉝ CURB INLET
TOP = 73.12'
E INV (UNK SIZE & MATERIAL) = 63.79'
BOTTOM = 64.27'
- ㉞ DRAINAGE MANHOLE
TOP = 74.25'
N INV (UNK SIZE & MATERIAL) = 63.52'
BOTTOM = 63.56'
- ㉟ CURB INLET
TOP = 73.11'
W INV (UNK SIZE & MATERIAL) = 63.70'
E INV (15" RCP) = 69.81'
S INV (UNK SIZE & MATERIAL) = 63.55'
- ㊱ CATCH BASIN
GRATE = 72.42'
W INV (15" RCP) = 69.98'
- ㊲ CURB INLET
TOP = 77.21'
E INV (18" RCP) = 72.11'
NW INV (UNK SIZE & MATERIAL) = 72.30'
- ㊳ DRAINAGE MANHOLE
TOP = 77.80'
SE INV (18" RCP) = 71.85'
W INV (18" RCP) = 71.90'
BOTTOM = 71.87'
- ㊴ CURB INLET
TOP = 77.37'
E INV (24" RCP) = 71.26'
NW INV (18" RCP) = 71.70'

- ㊵ CURB INLET
TOP = 77.81'
N INV (UNK SIZE & MATERIAL) = 65.55'
SE INV (6" CPP) = 72.92'
S INV (UNK SIZE & MATERIAL) = 64.45'
BOTTOM = 64.53'
- ㊶ CURB INLET
TOP = 77.39'
N INV (UNK SIZE & MATERIAL) = 66.45'
S INV (UNK SIZE & MATERIAL) = 65.95'
SW INV (6" CPP) = 73.08'
W INV (24" RCP) = 71.20'
- ㊷ CURB INLET
TOP = 77.21'
E INV (15" RCP) = 72.54'
- ㊸ CURB INLET
TOP = 77.17'
NE INV (15" RCP) = 71.06'
S INV (UNK SIZE & MATERIAL) = 66.53'
W INV (15" RCP) = 72.34'
- ㊹ CATCH BASIN
GRATE = 76.22'
N INV (8" RCP) = 73.22'
SW INV (15" RCP) 72.66'
- ㊺ CATCH BASIN
GRATE = 76.12'
E INV (15" RCP) = 74.26'
BOTTOM = 73.90'
- ㊻ CATCH BASIN
GRATE = 76.34'
W INV (15" RCP) = 74.48'
BOTTOM = 73.94'
- ㊼ CATCH BASIN
GRATE = 78.15'
E INV (15" RCP) = 75.01'
BOTTOM = 74.11'
- ㊽ CATCH BASIN
GRATE = 78.14'
W INV (15" RCP) = 75.35'
BOTTOM = 74.66'
- ㊾ CURB INLET
- ㊿ DRAINAGE MANHOLE
TOP = 78.22'
N INV (18" RCP) = 71.04'
E INV (18" RCP) = 70.99'
S INV (15" RCP) = 71.78'
- ① CATCH BASIN
GRATE = 78.06'
W INV (18" RCP) = 73.17'
- ② CURB INLET
TOP = 78.63'
S INV (UNK SIZE & MATERIAL) = 62.52'
W INV (UNK SIZE & MATERIAL) = 68.70'
BOTTOM = 66.19'
- ③ CATCH BASIN
GRATE = 76.70'
- ④ CURB INLET
TOP = 76.58'
N INV (UNK SIZE & MATERIAL) = 68.01'
E INV (UNK SIZE & MATERIAL) - 68.83'
BOTTOM = 68.29'
- ⑤ CURB INLET
TOP = 76.04'
N INV (UNK SIZE & MATERIAL) = 69.04'
W INV (UNK SIZE & MATERIAL) = 68.60'
BOTTOM = 68.91'
- ⑥ MITERED END SECTION
W INV (12"X18" ERCP) = 74.87'
- ⑦ MITERED END SECTION
E INV (14"X23" ERCP) = 74.02'
- ⑧ CURB INLET
TOP = 76.29'
N INV (18" RCP) = 72.63'
E INV (15" RCP) = 72.89'
- ⑨ CURB INLET
TOP GRATE = 77.24'
N INV (18" RCP) = 71.73'
E INV (15" RCP) = 71.87'
S INV (18" RCP) = 71.71'
- ⑩ MITERED END SECTION
S INV (15" RCP) = 74.53'
N INV (15" RCP) = 74.15'
- ⑪ MITERED END SECTION
W INV (14"X23" ERCP) = 73.98'

- ⑫ MITERED END SECTION
E INV (15" CMP) = 73.35'
- ⑬ MITERED END SECTION
W INV (15" CMP) = 73.41'
- ⑭ MITERED END SECTION
N INV (19"X30" ERCP) = 71.24'
- ⑮ DRAINAGE CONTROL STRUCTURE
GRATE = 74.65'
SKIMMER = 75.05'
S INV (19"X30" ERCP) = 71.32'
BOTTOM = 67.46'
- ⑯ END PIPE
18" CPP
NE INV 71.13'
SW INV 71.00'
- ⑰ END PIPE
24" CPP
NW INV 70.40'
SW INV 70.72'
- ⑱ END PIPE
18" CMP
E INV 71.65'
W INV 71.56'
- ⑲ END PIPE
12" HDPE
E INV 72.46'
W INV 72.55'
- ⑳ END PIPE
18" CMP
E INV 71.29'
W INV 71.46'
- ㉑ END PIPE
15" CMP
E INV 71.76'
W INV 71.70'
- ㉒ END PIPE
15" CMP
E INV 71.16'
W INV 71.21'
- ㉓ CATCH BASIN
GRATE = 72.26'
E INV (UNK SIZE & MATERIAL) = 68.24'
- ㉔ CATCH BASIN
GRATE = 73.07'
E INV (UNK SIZE & MATERIAL) = 68.08'
W INV (UNK SIZE & MATERIAL) = 69.01'
- ㉕ GUTTER INLET
GRATE = 73.49'
E INV (60" RCP) = 64.49'
W INV (UNK SIZE & MATERIAL) = 64.49'
BOTTOM = 64.49'
- ㉖ GUTTER INLET
GRATE = 73.90'
N INV (UNK SIZE & MATERIAL) = 65.85'
SE INV (UNK SIZE & MATERIAL) = 63.62'
W INV (60" RCP) = 63.84'
BOTTOM = 64.16'
- ㉗ CURB INLET
TOP = 73.09'
S INV (UNK SIZE & MATERIAL) = 66.19'
W INV (UNK SIZE & MATERIAL) = 66.19'
- ㉘ CURB INLET
TOP = 73.17'
E INV (UNK SIZE & MATERIAL) = 66.46'
- ㉙ CATCH BASIN
GRATE = 73.31'
W INV (UNK SIZE & MATERIAL) = 69.72'
- ㉚ END PIPE
15" HDPE
E INV UNK
W INV 72.77'
- ㉛ END PIPE
15" CPP
E INV 72.38'
W INV 72.29'
- ㉜ CATCH BASIN
GRATE = 73.90'
E INV (UNK SIZE & MATERIAL) = 68.95'
- ㉝ CATCH BASIN
GRATE = 73.76'
E INV (UNK SIZE & MATERIAL) = 68.55'
W INV (UNK SIZE & MATERIAL) = 68.52'
BOTTOM = 68.59'

- ⑯ GUTTER INLET
TOP = 72.73'
E INV (UNK SIZE & MATERIAL) = 63.52'
SE INV (6" CPP) = 69.93'
BOTTOM = 63.62'
- ⑰ DRAINAGE MANHOLE
TOP = 73.16'
S INV (UNK SIZE & MATERIAL) = 62.72'
W INV (UNK SIZE & MATERIAL) = 62.80'
BOTTOM = 62.98'
- ⑱ CATCH BASIN
TOP = 72.38'
N INV (UNK SIZE & MATERIAL) 62.40'
BOTTOM = 62.18'
- ⑲ END PIPE
15" CMP
E INV 72.37'
W INV 72.17'
- ⑳ CATCH BASIN
GRATE = 72.61'
N INV (2-15" UNK MATERIAL) = UNK
W INV (UNK SIZE & MATERIAL) = 68.11'
- ㉑ CROSS DRAIN
2-15" RCP
S INV 72.44'
S INV 71.92'
- ㉒ OMITTED
- ㉓ END PIPE
15" CMP
E INV 72.70'
W INV 72.23'
- ㉔ END PIPE
15" CPP
E INV 72.47'
W INV 72.23'
- ㉕ END PIPE
15" CMP
E INV 72.47'
W INV 72.23'
- ㉖ END PIPE
15" CPP
E INV 72.53'
W INV 72.80'
- ㉗ END PIPE
15" CMP
E INV 72.61'
W INV 72.80'
- ㉘ END PIPE
15" CMP
E INV 72.78'
W INV 73.01'
- ㉙ END PIPE
15" CMP
E INV 72.58'
W INV 72.54'
- ㉚ CATCH BASIN
GRATE = 73.02'
E INV (18" RCP) = 66.85'
BOTTOM = 66.39'
- ㉛ END PIPE
15" CMP
E INV 72.12'
W INV 72.22'
- ㉜ CATCH BASIN
GRATE = 73.02'
E INV (24" RCP) = 65.46'
W INV (18" RCP) = 66.18'
BOTTOM = 65.47'
- ㉝ DRAINAGE MANHOLE
TOP = 73.95'
E INV (24" RCP) = 10.10'
W INV (UNK SIZE & MATERIAL) = 10.42'
BOTTOM = 10.23'
- ㉞ DRAINAGE MANHOLE
TOP = 72.94'
N INV (UNK SIZE & MATERIAL) = 64.29'
S INV (UNK SIZE & MATERIAL) = 63.02'
W INV (24" RCP) = 62.84'
- ㉟ DRAINAGE MANHOLE
TOP = 73.91'
S INV (UNK SIZE & MATERIAL) = 64.91'
W INV (24" RCP) = 65.08'
BOTTOM = 64.71'
- ① END PIPE
NE INV 71.56' (15" CMP)
SW INV 71.53' (15" CMP)

- ⑩ END PIPE
INV UNK (12" CMP)
- ⑪ END PIPE
INV UNK (15" CMP)
- ⑫ END PIPE
18" CMP
NE INV 70.45'
SW INV 70.32'
- ⑬ END PIPE
18" STEEL
NE INV 70.70'
SW INV 70.81'
- ⑭ END WALL
18" CMP
NE INV 70.32'
SW INV 70.23'
- ⑮ END PIPE
18" CMP
NE INV 70.66'
SW INV 70.68'
- ⑯ MITERED END SECTION
12" X 18" ERCP
NE INV 71.12'
SW INV 71.05'
- ⑰ END WALL
UNK SIZE & MATERIAL
NE INV 70.49'
SW INV 69.97'
- ⑱ END PIPE
15" CMP
NE INV 71.07'
SW INV 70.73'
- ⑲ END PIPE
12" HDPE
N INV 69.51'
S INV 69.79'
- ⑳ END PIPE
12" CMP
N INV 70.02'
S INV 69.81'
- ㉑ END PIPE
12" CMP
N INV 70.14'
S INV 70.12'
- ㉒ END PIPE
18" CPP
N INV 69.78'
- ㉓ END PIPE
18" CPP
NE INV 69.80'
SW INV 69.80'
- ㉔ END PIPE
18" CPP
N INV 69.90'
- ㉕ END WALL
15" CMP
E INV 69.65'
W INV 69.53'
- ㉖ END PIPE
18" HDPE
E INV 68.52'
W INV 67.76'
- ㉗ CROSS DRAIN
2-36" CMP
N INV 66.54'
N INV 67.17'
S INV 66.84'
S INV 66.70'
- ㉘ OMITTED
- ㉙ END PIPE
15" CMP
E INV 68.14'
W INV 68.40'
- ① END PIPE
18" CMP
NE INV 67.98'
SW INV 68.74'
- ② END PIPE
12" CPP
E INV 69.88'
W INV 69.86'
- ③ END WALL
12" CMP
E INV 71.25'
W INV 71.45'
- ④ END PIPE
18" CPP
E INV 69.93'
W INV 69.41'

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

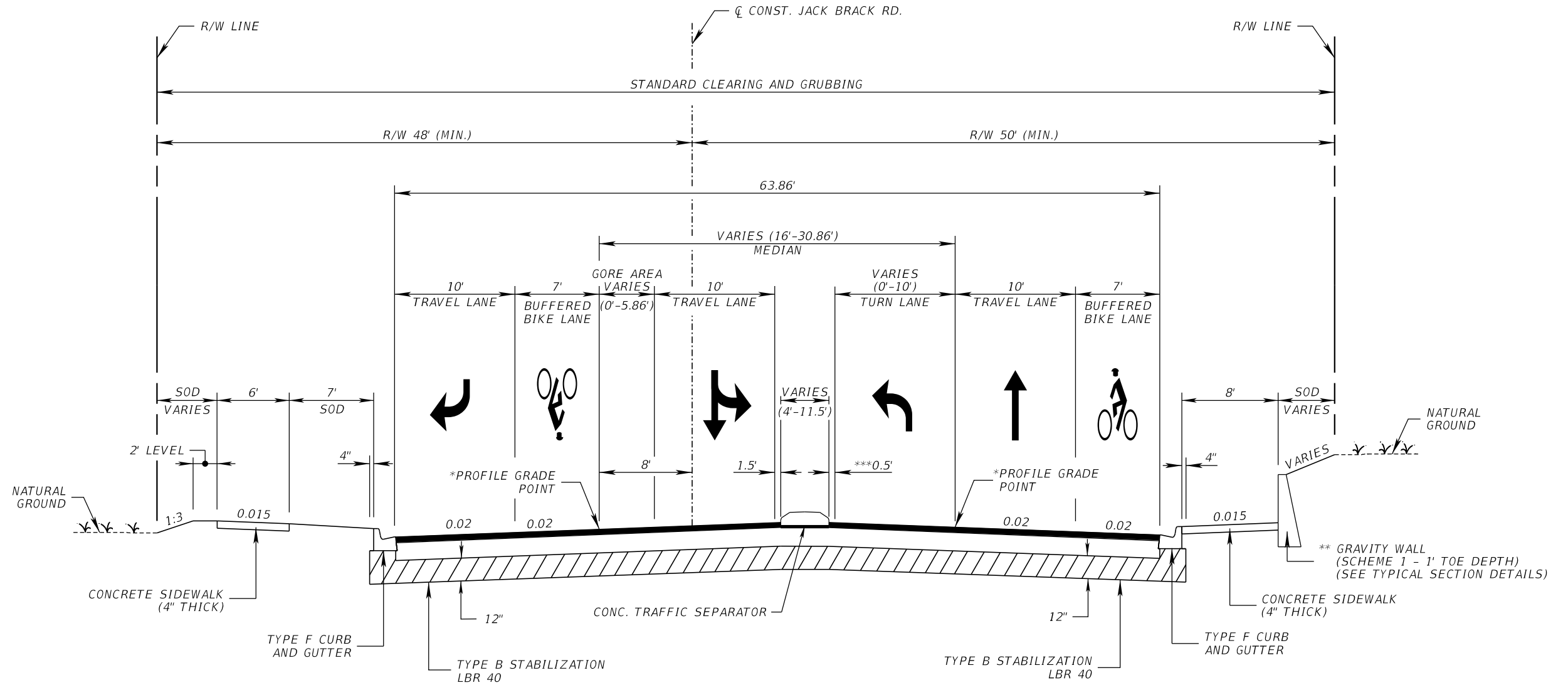
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**EXISTING
DRAINAGE STRUCTURES**

SHEET NO.
9

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



NOTES:

- * PGL RT. (STA. 101+16.96 - STA. 103+45.83)
- * PGL LT. (STA. 101+17.12 - STA. 103+45.83)
- ** GRAVITY WALL STA. 101+49.29 TO STA. 104+14.90
- *** 0.5' - ADJACENT TO TURN LANE
- 1.5' - ADJACENT TO TRAVEL LANE

**TYPICAL SECTION 1
JACK BRACK ROAD
STA. 101+16.66 TO STA. 106+84.59**

**NEW CONSTRUCTION
(STA. 101+16.66 TO STA. 106+84.59)**

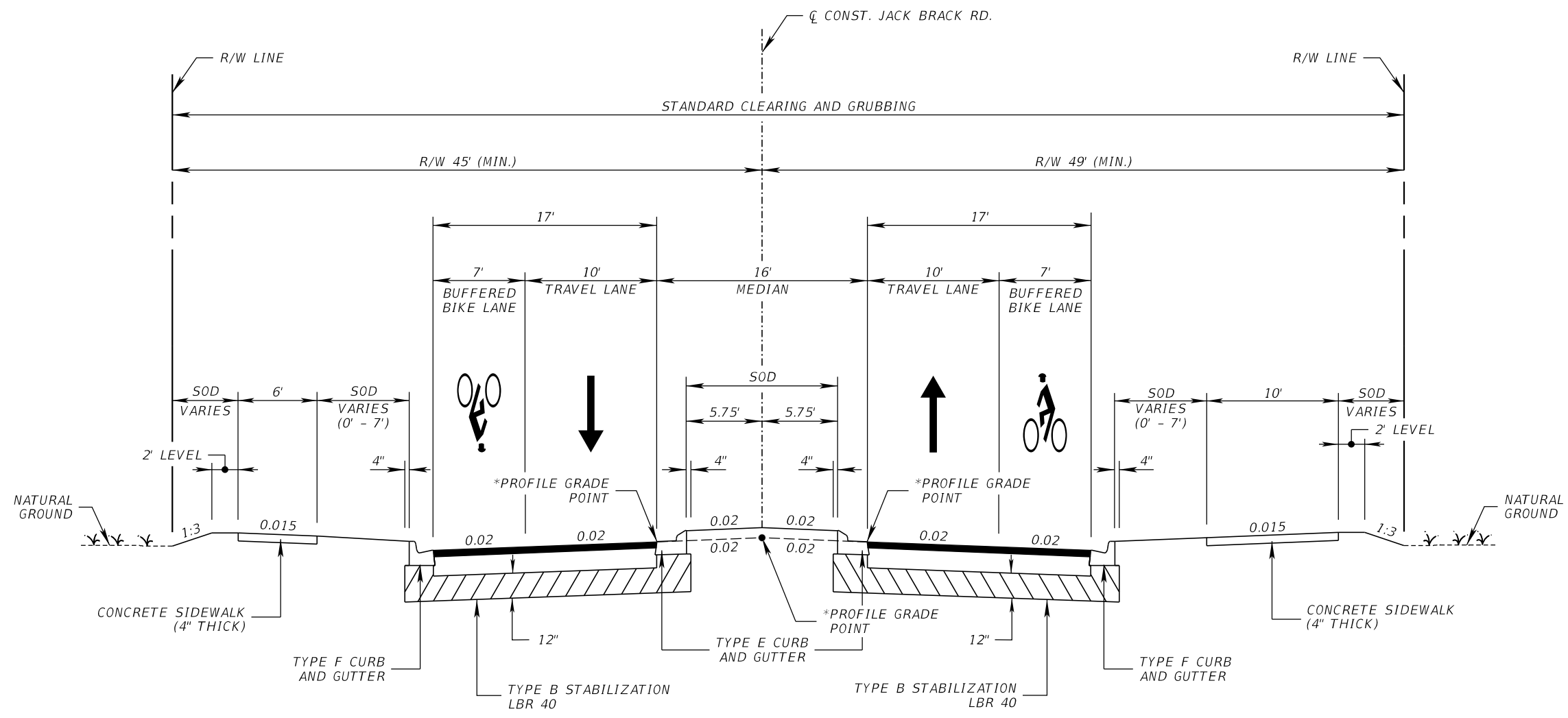
**BASE GROUP 9 (TYPE B-12.5) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")**

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 4900
 ESTIMATED OPENING YEAR = 2027 AADT = 13000
 ESTIMATED DESIGN YEAR = 2047 AADT = 29300
 K = 8% D = 55% T = 4% (24 HOUR)
 DESIGN HOUR T = 2.0%
 DESIGN SPEED = 35 MPH

REVISIONS			DATE	BY	DESCRIPTION	ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	SHEET NO.
DATE	BY	DESCRIPTION						
						JACK BRACK ROAD WIDENING	TYPICAL SECTION	10

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



**TYPICAL SECTION 2
JACK BRACK ROAD**

STA. 106+84.59 TO STA. 154+63.19
 STA. 161+42.95 TO STA. 162+10.99
 STA. 168+86.63 TO STA. 202+88.44
 STA. 210+18.58 TO STA. 212+25.23
 STA. 218+01.70 TO STA. 236+71.00

NEW CONSTRUCTION
 STA. 106+84.59 TO STA. 107+00.00
 STA. 235+50.00 TO STA. 236+71.00

BASE GROUP 9 (TYPE B-12.5) WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")

NEW CONSTRUCTION
 STA. 107+00.00 TO STA. 235+50.00

OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")

NOTES:

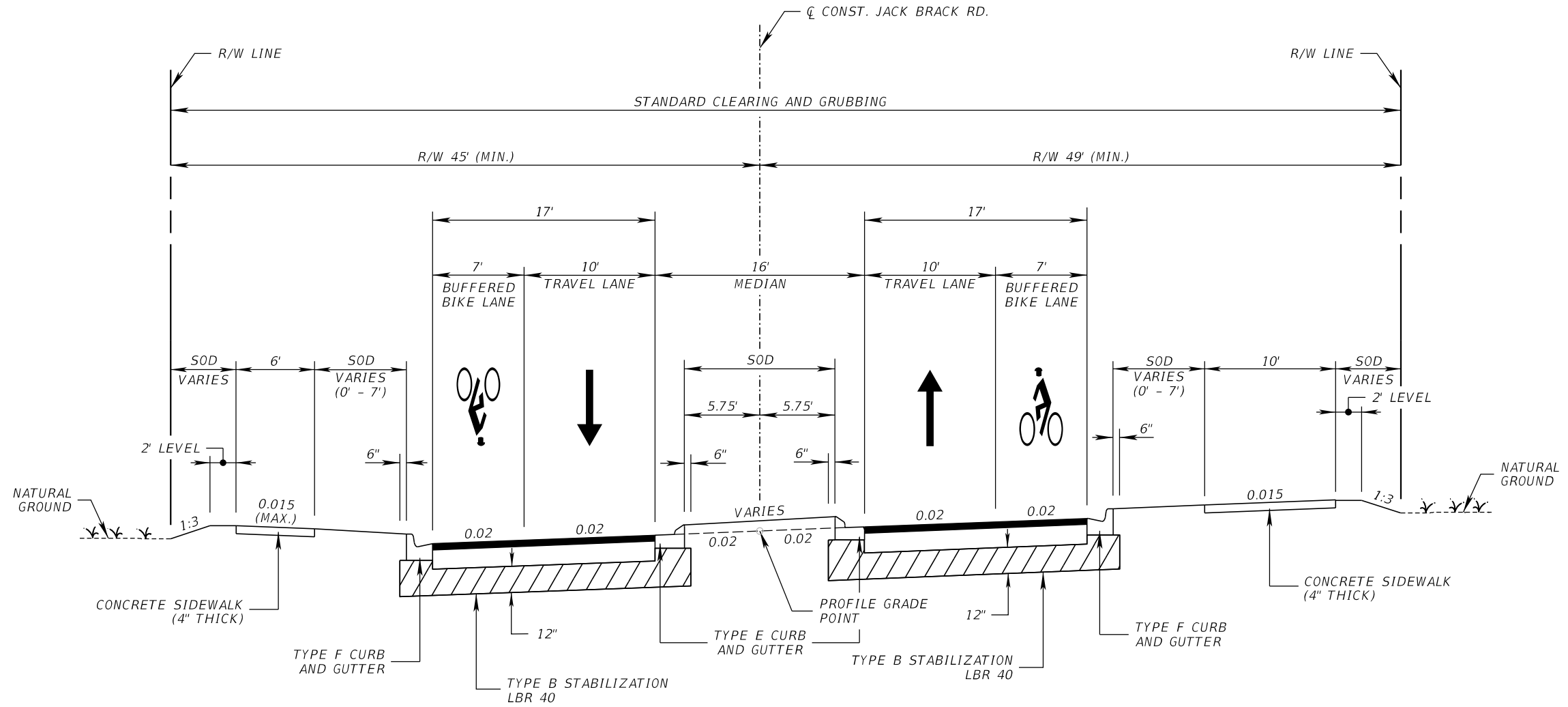
* PGL AT \bar{C} CONST. STA. 161+42.95 TO STA. 162+10.99
 STA. 210+18.58 TO STA. 212+25.23
 PGL LT & RT: STA. 233+80.00 TO STA. 236+70.88 (LT)
 STA. 236+65.94 (RT)

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 4900
 ESTIMATED OPENING YEAR = 2027 AADT = 13000
 ESTIMATED DESIGN YEAR = 2047 AADT = 29300
 K = 8% D = 55% T = 4% (24 HOUR)
 DESIGN HOUR T = 2.0%
 DESIGN SPEED = 35 MPH

REVISIONS			DATE	BY	DESCRIPTION	JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TYPICAL SECTION	SHEET NO.

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**TYPICAL SECTION 3
JACK BRACK ROAD**

STA. 154+63.19 TO STA. 161+42.95
 STA. 162+10.99 TO STA. 168+86.63
 STA. 202+88.44 TO STA. 210+18.58
 STA. 212+25.23 TO STA. 218+01.70

NEW CONSTRUCTION

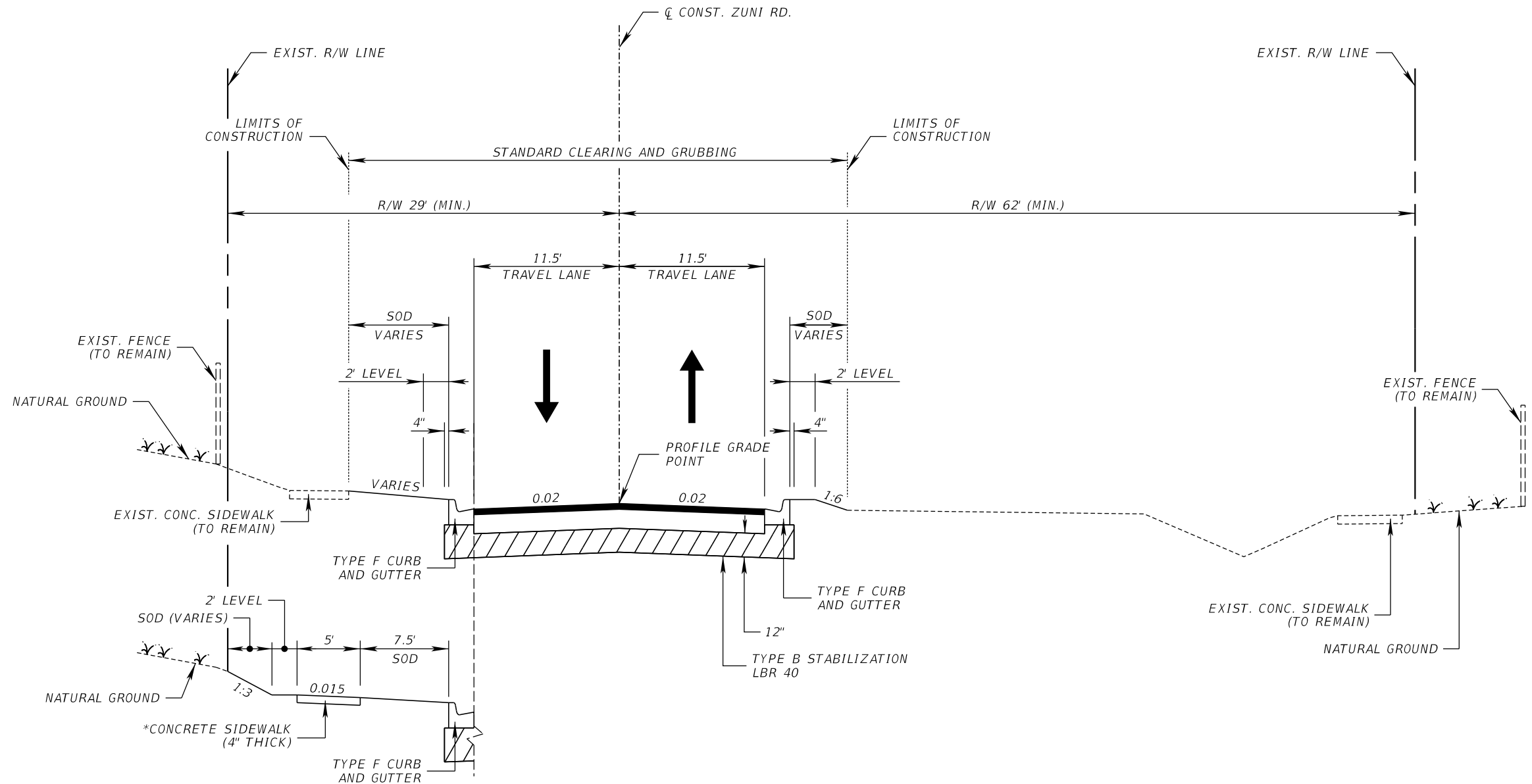
OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 4900
 ESTIMATED OPENING YEAR = 2027 AADT = 13000
 ESTIMATED DESIGN YEAR = 2047 AADT = 29300
 K = 8% D = 55% T = 4% (24 HOUR)
 DESIGN HOUR T = 2.0%
 DESIGN SPEED = 35 MPH

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

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	SHEET NO. 12
DATE	BY	DESCRIPTION				



TYPICAL SECTION 4
ZUNI ROAD
STA. 30+25.00 TO STA. 31+81.50

NEW CONSTRUCTION

OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")

NOTES:

* STA. 30+25.00 TO STA. 31+00.00

TRAFFIC DATA

CURRENT YEAR = 2023
 ESTIMATED OPENING YEAR = 2027
 ESTIMATED DESIGN YEAR = 2047
 DESIGN SPEED = 35 MPH
 POSTED SPEED = 35 MPH

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD
WIDENING

ENGINEER OF RECORD

Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



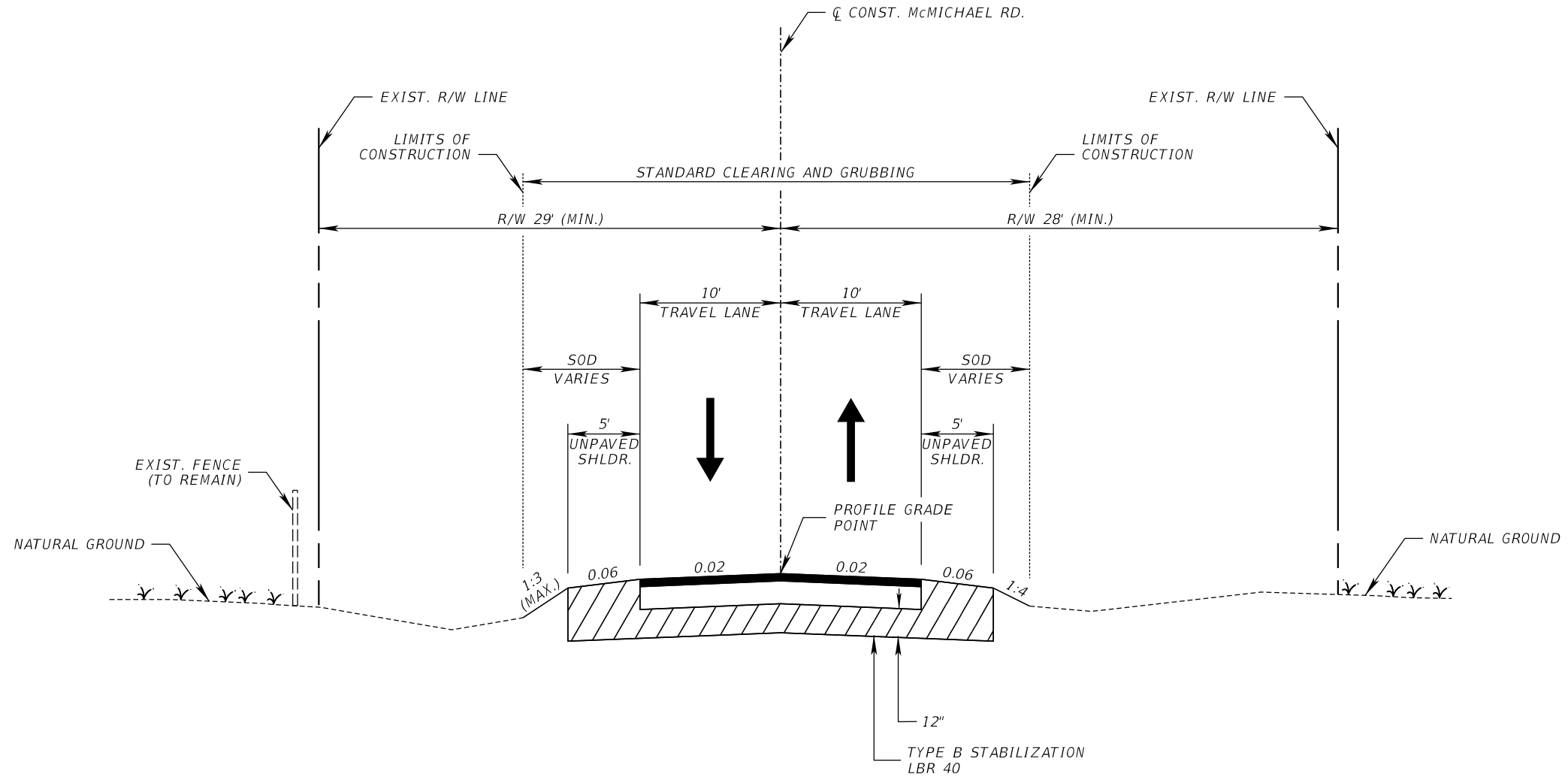
OSCEOLA COUNTY
ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

TYPICAL SECTION

SHEET NO.

13

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TYPICAL SECTION 5
McMICHAEL ROAD
STA. 40+47.34 TO STA. 41+17.63
STA. 43+35.55 TO STA. 44+43.64

NEW CONSTRUCTION

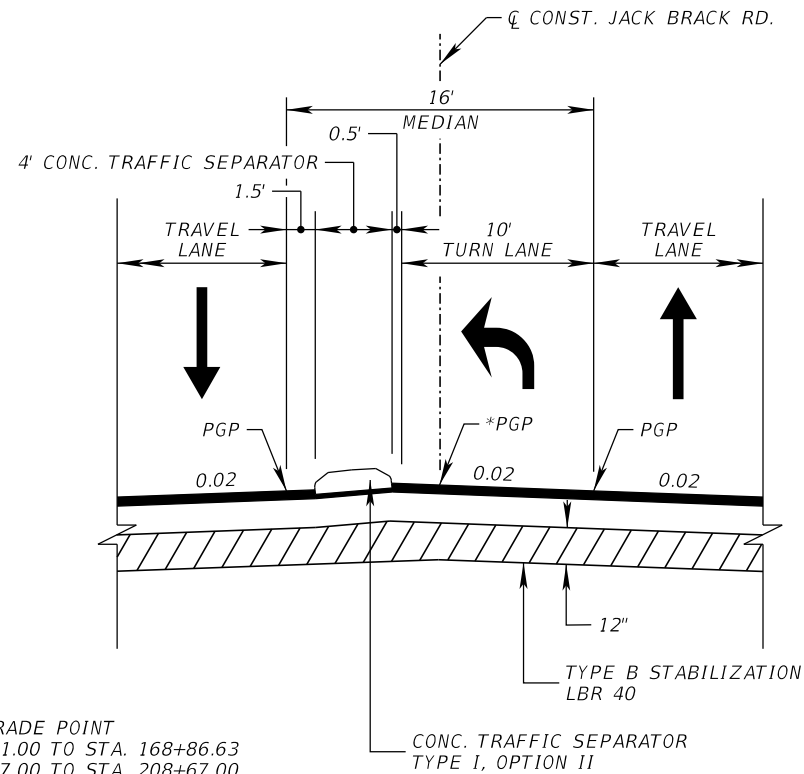
OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
 FRICTION COURSE FC-12.5 (TRAFFIC C) (PG 76-22) (1 1/2")

TRAFFIC DATA

CURRENT YEAR = 2023
 ESTIMATED OPENING YEAR = 2027
 ESTIMATED DESIGN YEAR = 2047
 DESIGN SPEED = 35 MPH

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TYPICAL SECTION	SHEET NO.
DATE	BY	DESCRIPTION					14

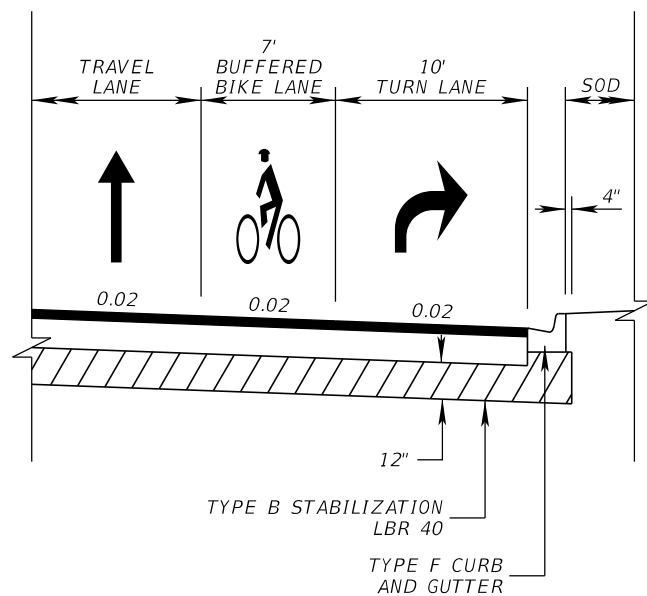
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



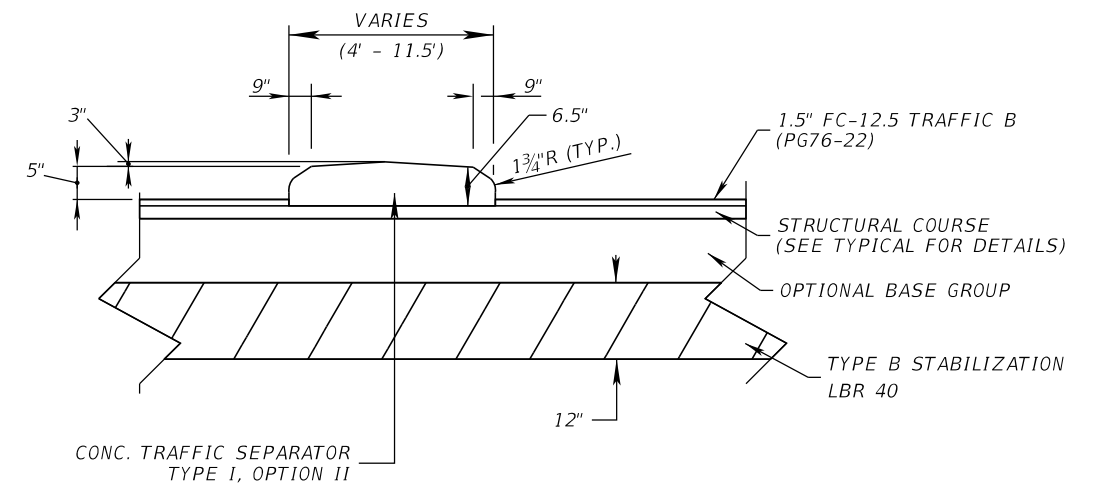
NOTES:

* PROFILE GRADE POINT
 STA. 166+51.00 TO STA. 168+86.63
 STA. 206+67.00 TO STA. 208+67.00

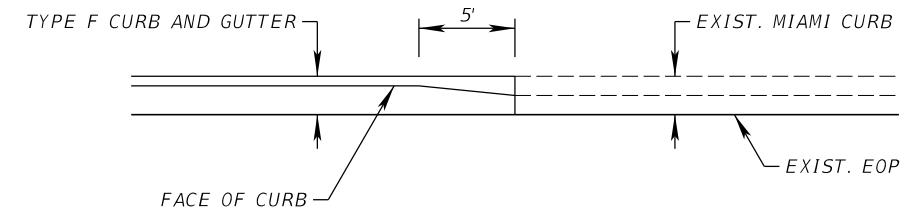
LEFT TURN LANE DETAIL
 STA. 106+84.59 TO STA. 236+68.40



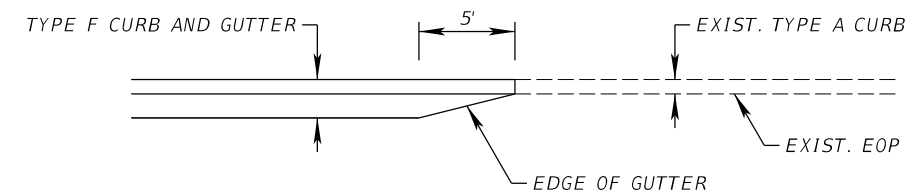
RIGHT TURN LANE DETAIL
 SEE PLANS FOR LOCATIONS



SPECIAL TRAFFIC SEPARATOR DETAIL
 STA. 104+04.49 TO STA. 106+84.59



CURB TRANSITION DETAIL
 TYPE F CURB AND GUTTER TO MIAMI CURB



CURB TRANSITION DETAIL
 TYPE F CURB AND GUTTER TO TYPE A CURB AND GUTTER

REVISIONS		
DATE	BY	DESCRIPTION

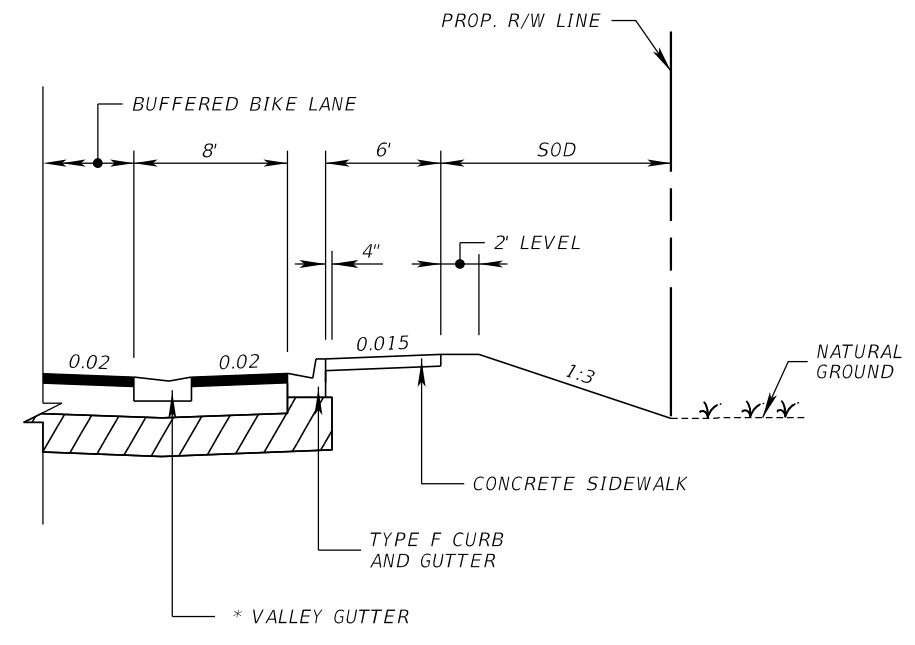
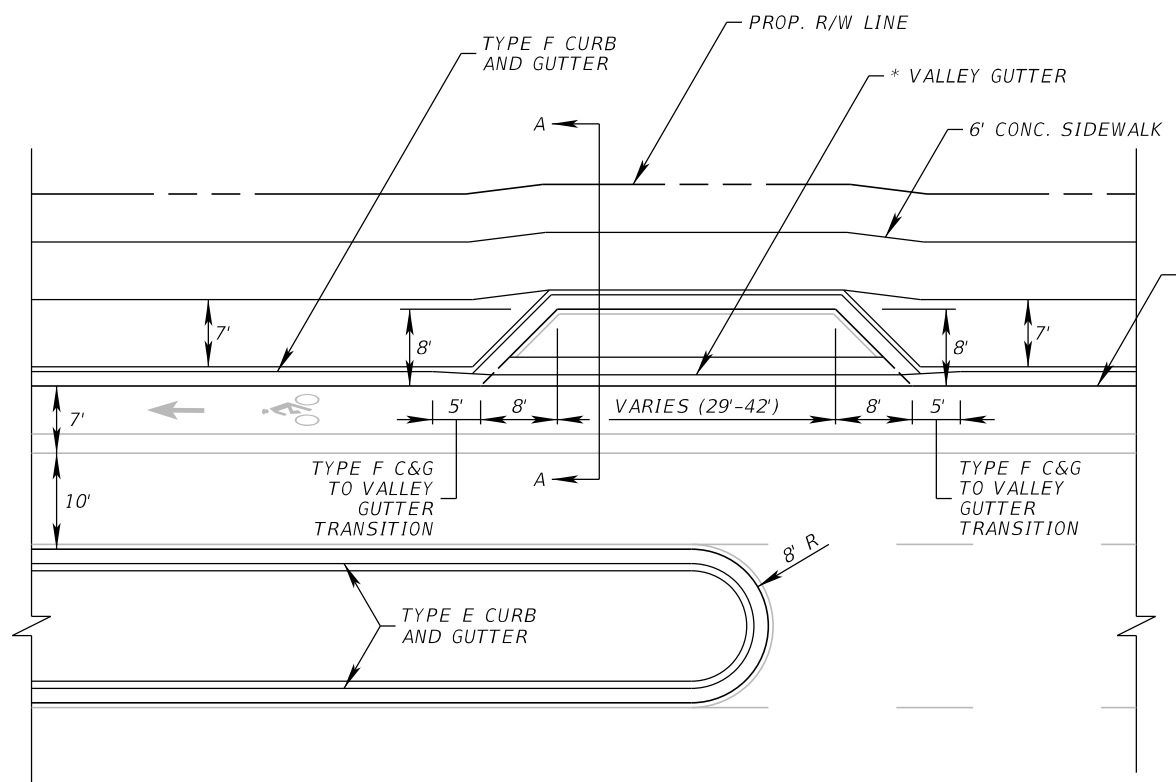
JACK BRACK ROAD
WIDENING

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
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 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

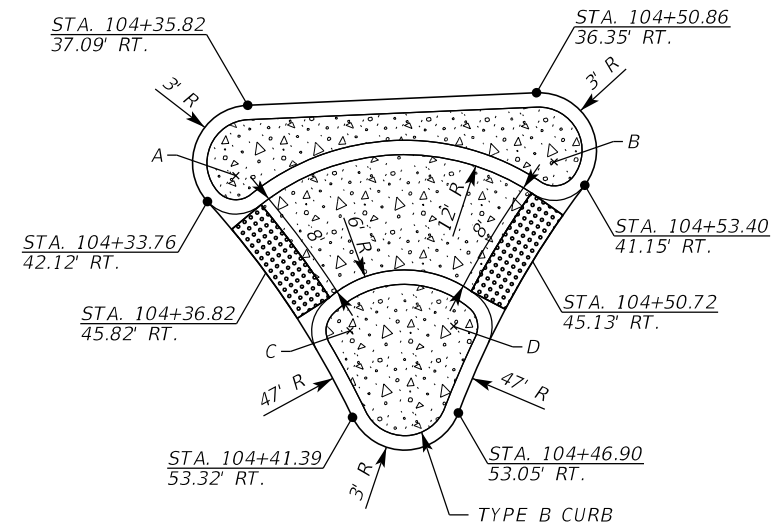
TYPICAL SECTION
DETAILS

SHEET NO.
15



U-TURN LOON DETAIL
SEE PLANS FOR LOCATIONS
* STA. 192+35.00 & STA. 205+70.00

A-A SECTION



LEGEND:

	DETECTABLE WARNING
	6" CONC.

CHANNELIZING ISLAND INFORMATION				
POINT	STATION	OFFSET (FT.)	SIDE	RADIUS (FT.)
A	104+34.59	40.69	RT.	1.5
B	104+52.43	39.81	RT.	1.5
C	104+41.71	49.65	RT.	2.0
D	104+46.22	49.42	RT.	2.0

CHANNELIZING ISLAND DETAIL
STA. 104+44.00

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

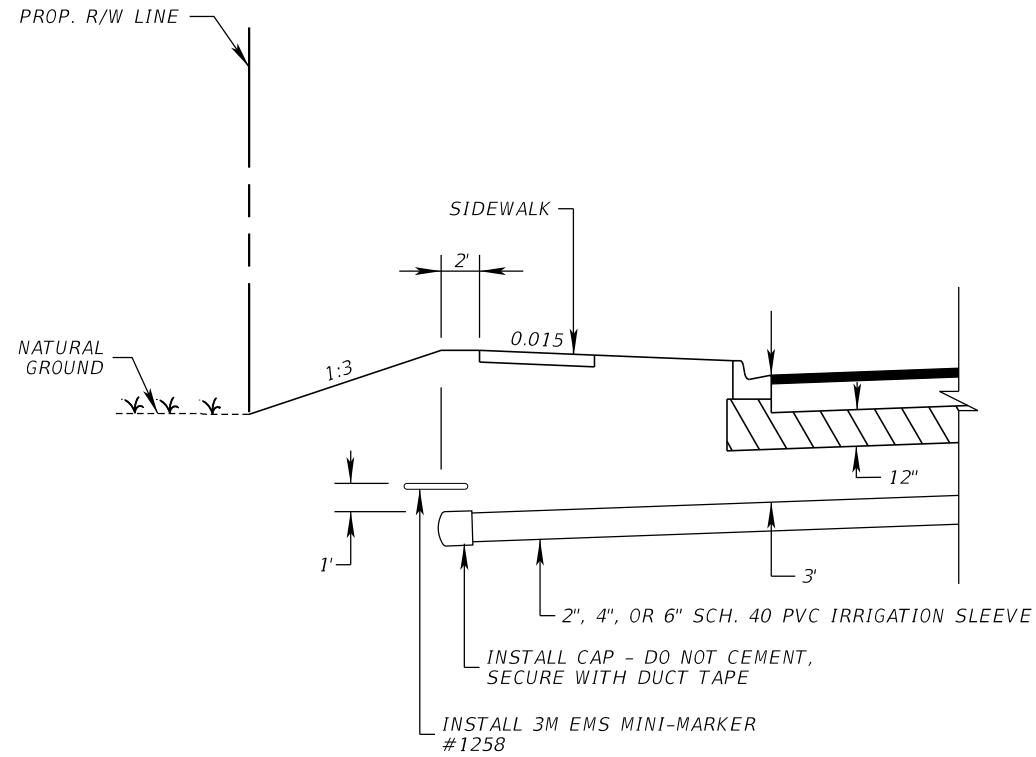
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

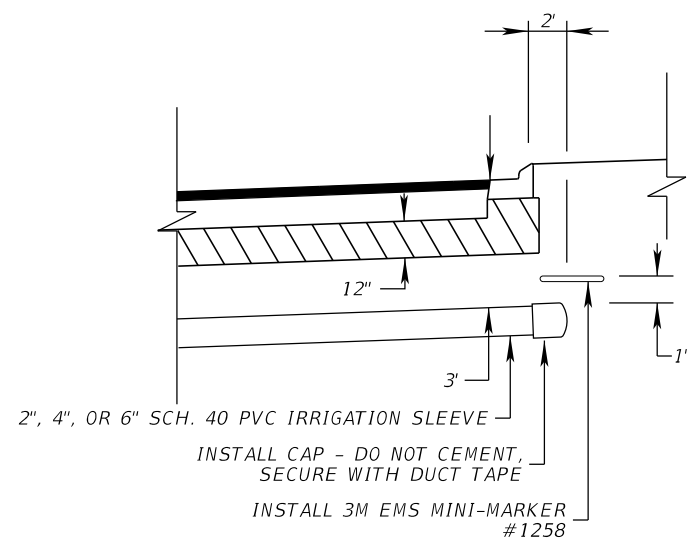
**TYPICAL SECTION
DETAILS**

SHEET NO.
16

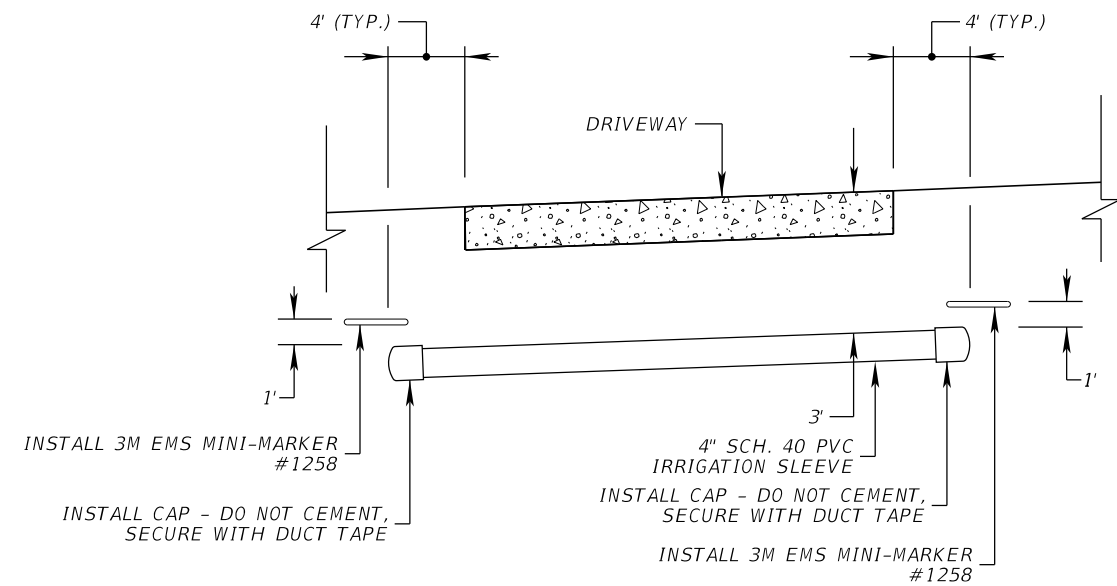
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




IRRIGATION SLEEVE DETAIL
ROADSIDE W/ CURB



IRRIGATION SLEEVE DETAIL
MEDIAN




IRRIGATION SLEEVE DETAIL
DRIVEWAY

LEGEND:	
	6" CONC.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623


**TYPICAL SECTION
DETAILS**

SHEET
NO.
17

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

QUANTITY	STRUCTURE NUMBER	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP										CURB INLETS								MANHOLES			DITCH BOTTOM INLET			CROSS DRAIN MES					CONC. ENDWALLS		REMARKS			
						ROUND					ELLIPSE					P-1	P-1	J-1	J-1	P-2	J-2	J-2	P-3	P-5	P-5	P-6	P-7	P-8	P-8	J-8	C	C-Mod	D-Mod	ROUND						
						15"	18"	24"	30"	36"	42"	48"	19"X30"	24"X38"	<10'	>10'	<10'	>10'	<10'	<10'	>10'	<10'	<10'	Partial	<10'	<10'	Partial	<10'	<10'	C	C-Mod	D-Mod	18"	24"	19"X30"	42"		48"	18"	48"
P	S-236	172+50.00	RT.	Inlet, Pipe	1					247																													ALT. B 3.5' X 4.0'	
F																																								
P	S-237	173+50.00	LT.	Inlet, Pipe	1		67										1																							
F																																								
P	S-238	173+50.00	RT.	Inlet, Pipe	1					97							1																						ALT. B 3.5' X 4.0'	
F																																								
P	S-240	175+15.00	RT.	Inlet, Pipe	1					162							1																						ALT. B 3.5' X 4.0'	
F																																								
P	S-241	175+15.00	LT.	Inlet, Pipe	1		57										1																							
F																																								
P	S-242	OMITTED																																						
F																																								
P	S-243	OMITTED																																						
F																																								
P	S-244	178+00.00	RT.	Inlet, Pipe	1					282							1																						ALT. B 3.5' X 4.0'	
F																																								
P	S-245	179+75.00	RT.	Inlet, Pipe	1					171																													ALT. B 3.5' X 4.0'	
F																																								
P	S-246	179+75.00	LT.	Inlet, Pipe	1		57										1																							
F																																								
P	S-247	OMITTED																																						
F																																								
P	S-248	182+00.00	RT.	Inlet, Pipe	1					221							1																						ALT. B 3.5' X 4.0'	
F																																								
P	S-249	OMITTED																																						
F																																								
P	S-250	185+00.00	RT.	Inlet, Pipe	1			296									1																							
F																																								
P	S-251	185+00.00	LT.	Inlet, Pipe	1		57										1																							
F																																								
P	S-252	OMITTED																																						
F																																								
Sheet Summary:					P Total	0	238	296	0	1180	0	0	0	0	3	0	4	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
					F Total																																			

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

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD		 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	BY	DESCRIPTION		Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	23			

QUANTITY	STRUCTURE NUMBER	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP										CURB INLETS								MANHOLES			DITCH BOTTOM INLET			CROSS DRAIN MES					CONC. ENDWALLS		REMARKS											
						ROUND					ELLIPSE					P-1	P-1	J-1	J-1	P-2	J-2	J-2	P-3	P-5	P-5	P-6	P-7	P-8	P-8	J-8	C	C-Mod	D-Mod	ROUND														
						15"	18"	24"	30"	36"	42"	48"	19"X30"	24"X38"	<10'	>10'	<10'	>10'	<10'	<10'	>10'	<10'	<10'	Partial	<10'	<10'	Partial	<10'	<10'	<10'	C	C-Mod	D-Mod	18"	24"	19"X30"		42"	48"	18"	48"							
P	S-253	OMITTED																																														
F																																																
P	S-254	OMITTED																																														
F																																																
P	S-255	188+05.00	RT.	Inlet, Pipe	1							301						1																														
F																																																
P	S-256	188+05.00	LT.	Inlet, Pipe	1	57												1																														
F																																																
P	S-257	OMITTED																																														
F																																																
P	S-258	OMITTED																																														
F																																																
P	S-259	190+05.00	LT.	Inlet, Pipe	1	67												1																														
F																																																
P	S-260	190+05.0	RT.	Inlet, Pipe	1																																											
F																																																
P	S-261	191+00.00	RT.	Inlet, Pipe	1																																											
F																																																
P	OS-201	151+89.41	LT.	Manhole, Pipe	1	190																																										
F																																																
P	OS-202	153+80.00	LT.	Inlet, Pipe	1	212																																										
F																																																
P	OS-203	156+00.00	LT.	Inlet, Pipe	1	134																																										
F																																																
P	OS-204	OMITTED																																														
F																																																
P	OS-205	157+50.51	LT.	Manhole, Pipe	1	59																																										
F																																																
P	OS-206	158+37.88	RT.	MES																																												
F																																																
P	OS-207	OMITTED																																														
F																																																
Sheet Summary:					P Total	0	660	347	0	0	0	0	0	301	0	3	0	0	0	2	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0						
					F Total																																											

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**SUMMARY OF
DRAINAGE STRUCTURES**

SHEET NO.
24

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

QUANTITY	STRUCTURE NUMBER	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP							CURB INLETS							MANHOLES			DITCH BOTTOM INLET			CROSS DRAIN MES					CONC. ENDWALLS		REMARKS									
						ROUND				ELLIPSE			P-1	P-1	J-1	J-1	P-2	J-2	J-2	P-3	P-5	P-5	P-6	P-7	P-8	P-8	J-8	C	C-Mod	D-Mod	18"	24"		19"X30"	42"	48"	ROUND					
						15"	18"	24"	30"	36"	42"	48"	19"X30"	24"X38"	<10'	>10'	<10'	>10'	<10'	<10'	>10'	<10'	<10'	Partial	<10'	<10'	Partial	<10'	<10'	<10'							<10'	<10'	18"	48"		
P	0S-208	158+91.69	LT.	Manhole, Pipe	1						108													1	1															ALT. A, 5.0' DIA.		
F																																										
P	0S-209	159+06.68	LT.	MES, Pipe	1			68																																		1:2
F																																										
P	0S-210	165+51.18	LT.	Inlet																																						
F																																										
P	0S-211	167+55.00	LT.	Inlet, Pipe	1		227																																			
F																																										
P	0S-212	170+00.00	LT.	Inlet, Pipe	1		247																																			
F																																										
P	0S-213	172+50.00	LT.	Inlet, Pipe	1		248																																			
F																																										
P	0S-214	175+15.00	LT.	Inlet, Pipe	1		263																																			
F																																										
P	0S-215	178+00.00	LT.	Inlet, Pipe	1		283																																			
F																																										
P	0S-216	180+75.00	LT.	Inlet, Pipe	1		273																																			
F																																										
P	0S-217	183+57.00	LT.	Inlet, Pipe	1		281																																			
F																																										
P	0S-218	185+00.00	LT.	Inlet, Pipe	1		141																																			
F																																										
P	0S-219	186+80.46	LT.	Inlet, Pipe	1		179																																			
F																																										
P	0S-220	188+05.00	LT.	Inlet, Pipe	1		123																																			
F																																										
P	0S-221	187+00.00	RT.	MES, Pipe	1		86																																			1:2
F																																										
P	S-300	195+40.00	LT.	Inlet, Pipe	1		57					1																														
F																																										
P	S-301	195+40.00	RT.	Inlet, Pipe	1		234					1																														
F																																										
Sheet Summary:				P Total	0	2407	302	0	0	0	0	108	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	10	0	1	1	0	0	0	0	0	0				
				F Total																																						

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**SUMMARY OF
DRAINAGE STRUCTURES**

SHEET NO.
25

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

QUANTITY	STRUCTURE NUMBER	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP										CURB INLETS							MANHOLES			DITCH BOTTOM INLET			CROSS DRAIN MES					CONC. ENDWALLS		REMARKS					
						ROUND					ELLIPSE					P-1	P-1	J-1	J-1	P-2	J-2	J-2	P-3	P-5	P-5	P-6	P-7	P-8	P-8	J-8	C	C-Mod	D-Mod	ROUND							
						15"	18"	24"	30"	36"	42"	48"	19"X30"	24"X38"	<10'	>10'	<10'	>10'	<10'	>10'	<10'	>10'	Partial	<10'	<10'	Partial	<10'	<10'	<10'	C	C-Mod	D-Mod	18"	24"	19"X30"		42"	48"	18"	48"	
P	S-302	197+81.00	LT.	Inlet, Pipe	1		58												1																						
F																																									
P	S-303	197+77.50	RT.	Inlet, Pipe	1			98																																	
F																																									
P	S-304	198+79.00	RT.	Inlet, Pipe	1			267																																	
F																																									
P	S-305	201+50.00	RT.	Inlet, Pipe	1			127																																	
F																																									
P	S-306	202+81.00	LT.	Inlet, Pipe	1		57																																		
F																																									
P	S-307	202+81.00	RT.	Inlet, Pipe	1			65																																	
F																																									
P	S-308	203+50.00	RT.	Inlet, Pipe	1				154																																
F																																									
P	S-309	203+80.00	RT.	Inlet, Pipe	1		37																																		
F																																									
P	S-310	204+20.00	RT.	Inlet, Pipe	1		77																																		
F																																									
P	S-311	205+00.00	RT.	Inlet, Pipe	1		34																																		
F																																									
P	S-311A	205+00.00	RT.	Manhole, Pipe	1				208																																
F																																									
P	S-312	207+00.00	RT.	Inlet, Pipe	1		23																																		
F																																									
P	S-312A	207+00.00	RT.	Manhole, Pipe	1				102																																
F																																									
P	S-313	208+00.00	RT.	Inlet, Pipe	1		23																																		
F																																									
P	S-313A	208+00.00	RT.	Inlet, Pipe	1				154																																
F																																									
P	S-314	208+80.00	RT.	Inlet, Pipe	1		67																																		
F																																									
Sheet Summary:					P Total	0	376	557	464	154	0	0	0	0	0	7	0	0	0	4	0	0	0	0	0	0	2	0	2	1	0	0	0	0	0	0	0	0	0	0	
					F Total																																				

REVISIONS DATE BY DESCRIPTION			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	SUMMARY OF DRAINAGE STRUCTURES	SHEET NO. 26

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

QUANTITY	STRUCTURE NUMBER	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP							CURB INLETS									MANHOLES			DITCH BOTTOM INLET			CROSS DRAIN MES					CONC. ENDWALLS		REMARKS						
						ROUND				ELLIPSE			P-1	P-1	J-1	J-1	P-2	J-2	J-2	P-3	P-5	P-5	P-6	P-7	P-8	P-8	J-8	C	C-Mod	D-Mod	ROUND										
						15"	18"	24"	30"	36"	42"	48"	19"X30"	24"X38"	<10'	>10'	<10'	>10'	<10'	<10'	>10'	<10'	<10'	Partial	<10'	<10'	Partial	<10'	<10'	<10'	C	C-Mod	D-Mod	18"		24"	19"X30"	42"	48"	18"	48"
P	S-330	222+87.00	LT.	Inlet, Pipe	1		62																																		
F																																									
P	S-331	225+50.00	LT.	Inlet, Pipe	1																																			ALT. B 6.0' X 3.5'	
F																																									
P	S-332	225+50.00	RT.	Inlet, Pipe	1																																			ALT. B 5.0' X 5.0'	
F																																									
P	S-333	226+80.00	LT.	Inlet, Pipe	1		57																																		
F																																									
P	S-334	226+80.00	RT.	Inlet, Pipe	1																																			ALT. B 3.5' X 4.0'	
F																																									
P	S-335	228+01.00	LT.	Inlet, Pipe	1		57																																		
F																																									
P	S-336	228+01.00	RT.	Inlet, Pipe	1																																				ALT. B 3.5' X 4.0'
F																																									
P	S-337	231+00.00	LT.	Inlet, Pipe	1		57																																		
F																																									
P	S-338	231+00.00	RT.	Inlet, Pipe	1																																				ALT. B 3.5' X 4.0'
F																																									
P	S-339	OMITTED																																							
F																																									
P	S-340	236+10.00	RT.	Inlet, Pipe	1		64																																		
F																																									
P	S-341	236+39.00	LT.	Inlet, Pipe	1		113																																		
F																																									
P	OS-300	193+65.86. 00	LT.	Inlet																																					
F																																									
P	OS-301	194+45.00	LT.	Inlet, Pipe	1		78																																		
F																																									
P	OS-302	195+40.00	LT.	Inlet, Pipe	1		93																																		
F																																									
P	OS-303	197+81.00	LT.	Inlet, Pipe	1		239																																		
F																																									
Sheet Summary:					P Total	0	820	0	0	538	57	54	0	0	5	0	1	3	1	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0			
					F Total																																				

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

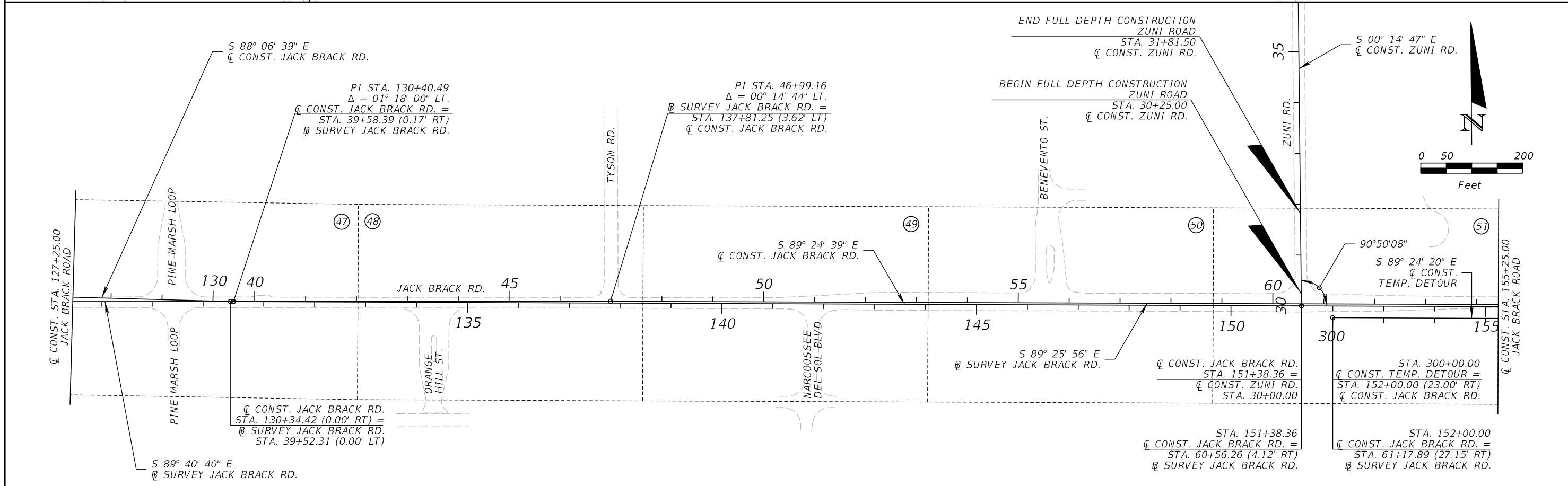
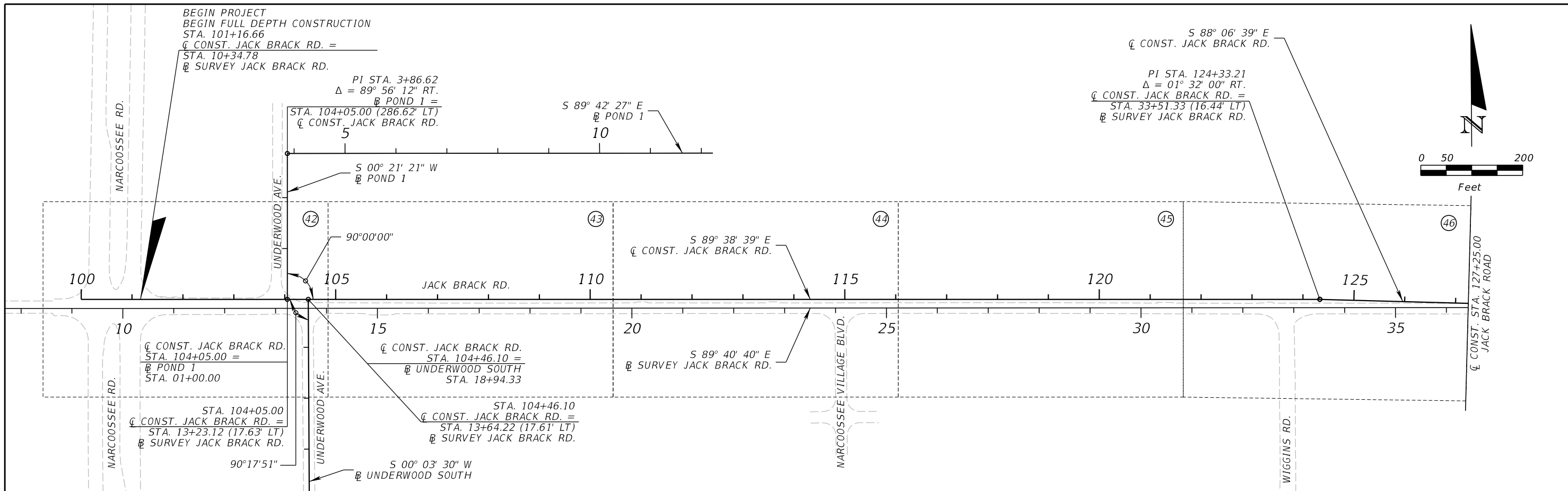
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**SUMMARY OF
DRAINAGE STRUCTURES**

SHEET NO.
28

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



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

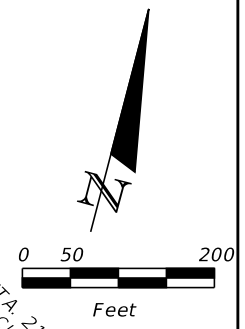
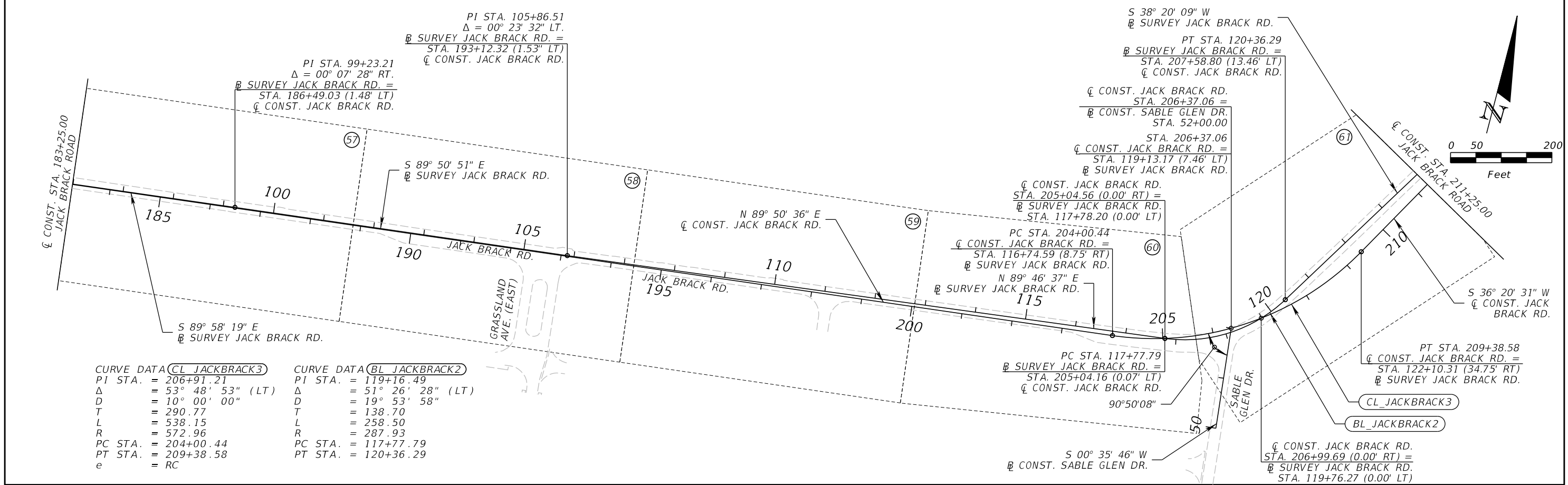
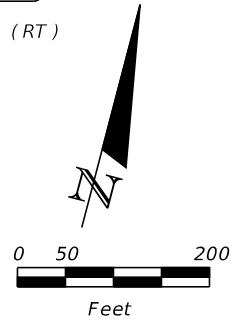
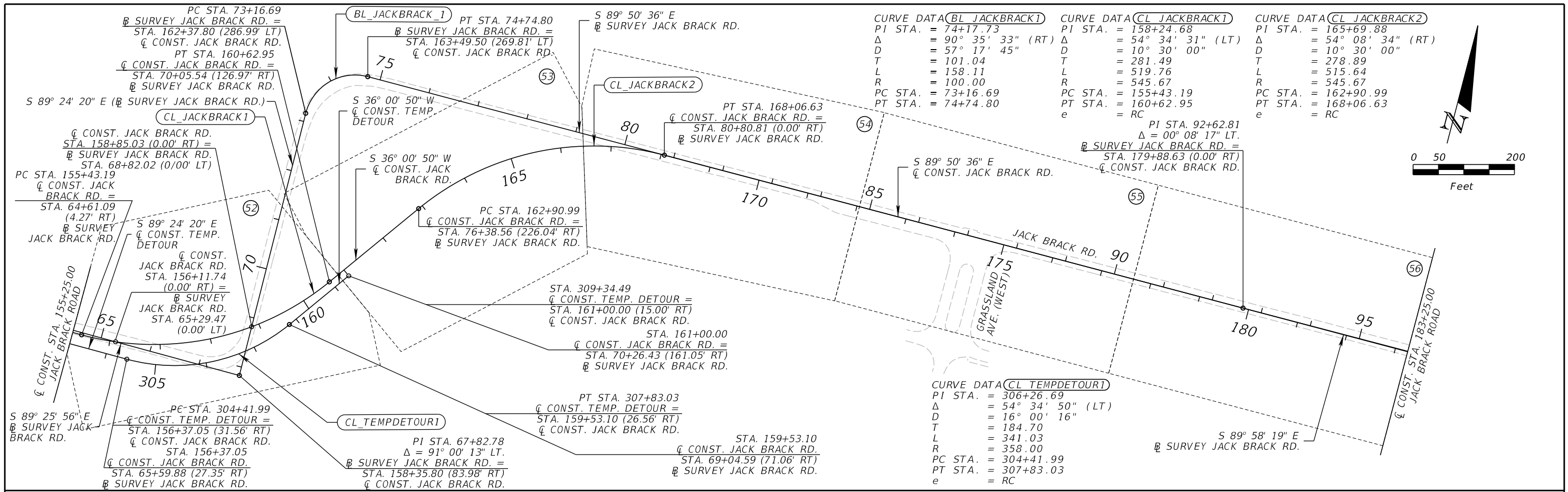
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

PROJECT LAYOUT

SHEET
NO.
32

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



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

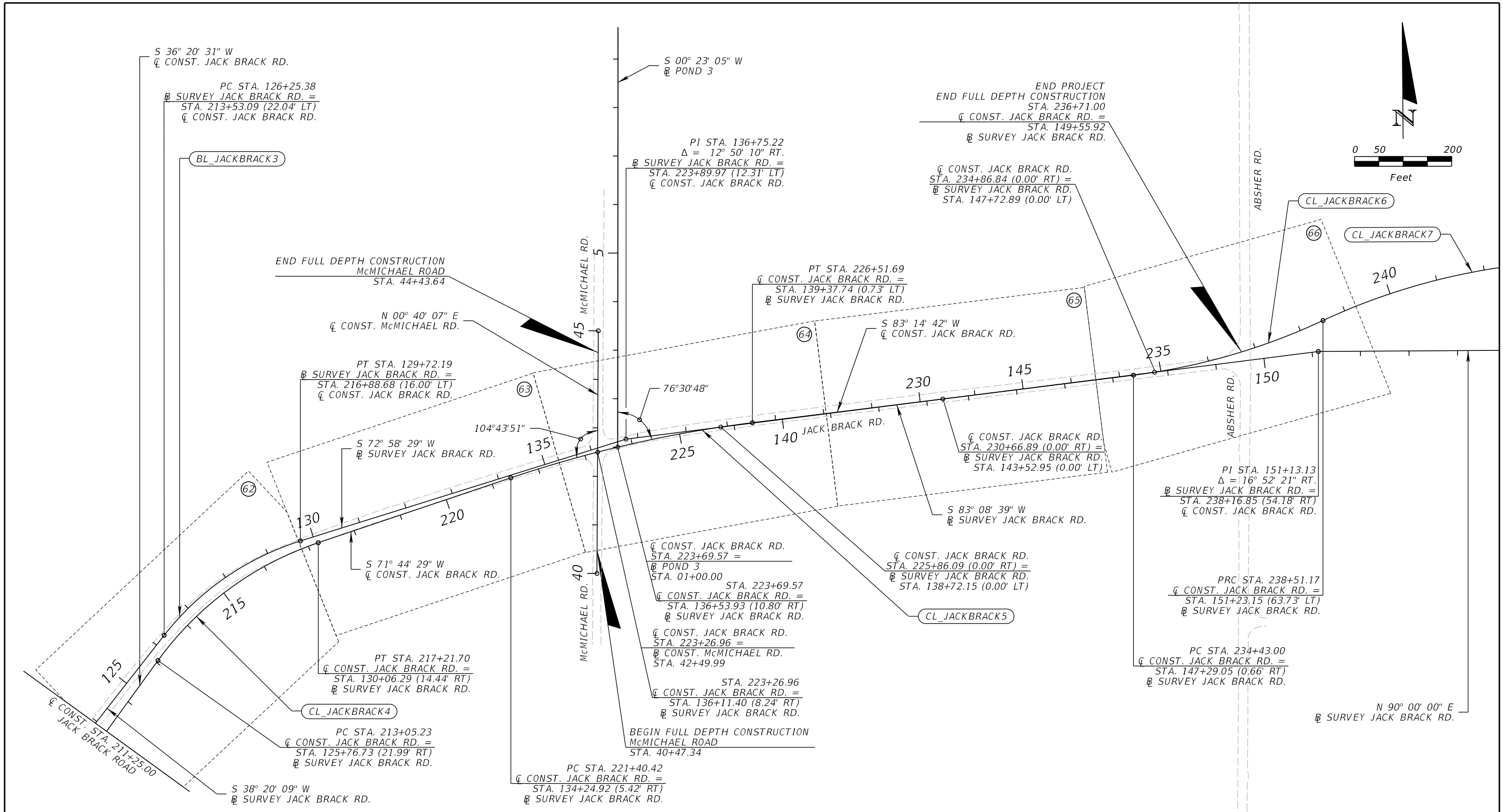
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



PROJECT LAYOUT

SHEET
NO.
33

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



CURVE DATA (CL JACKBRACK4)

PI STA.	= 215+20.35
Δ	= 35° 23' 58" (RT)
D	= 8° 30' 00"
T	= 215.12
L	= 416.46
R	= 674.07
PC STA.	= 213+05.23
PT STA.	= 217+21.70
e	= RC

CURVE DATA (CL JACKBRACK5)

PI STA.	= 223+96.92
Δ	= 11° 30' 13" (RT)
D	= 2° 15' 00"
T	= 256.50
L	= 511.27
R	= 2,546.48
PC STA.	= 221+40.42
PT STA.	= 226+51.69
e	= NC

CURVE DATA (CL JACKBRACK6)

PI STA.	= 236+48.77
Δ	= 17° 57' 34" (LT)
D	= 4° 24' 00"
T	= 205.77
L	= 408.17
R	= 1,302.18
PC STA.	= 234+43.00
PT STA.	= 238+51.17
e	= NC

CURVE DATA (CL JACKBRACK7)

PI STA.	= 241+36.46
Δ	= 24° 42' 53" (RT)
D	= 4° 24' 00"
T	= 285.29
L	= 561.70
R	= 1,302.18
PC STA.	= 238+51.17
PT STA.	= 244+12.87

CURVE DATA (BL JACKBRACK3)

PI STA.	= 128+04.27
Δ	= 34° 38' 20" (RT)
D	= 9° 59' 16"
T	= 178.89
L	= 346.81
R	= 573.66
PC STA.	= 126+25.38
PT STA.	= 129+72.19

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



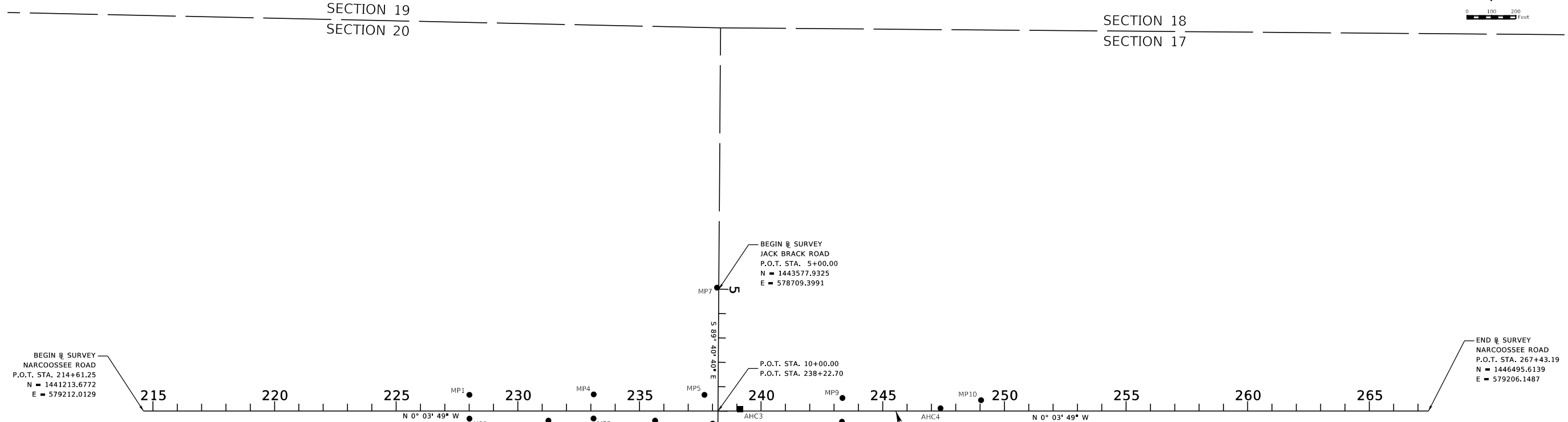
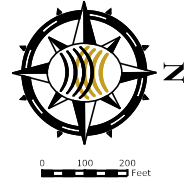
**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

PROJECT LAYOUT

SHEET NO.
34

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

PROJECT CONTROL POINTS
 SURVEY JACK BRACK ROAD
 AND SURVEY NARCOOSSEE ROAD



PROJECT CONTROL NOTES:

- HORIZONTAL POSITIONS FOR ALL FEATURES SHOWN ON THE MAP ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT (NAD83/11), ZONE 901, FLORIDA EAST. HORIZONTAL CONTROL WAS ESTABLISHED USING THE FLORIDA DEPARTMENT OF TRANSPORTATION'S (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN), A REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS).
- VERTICAL INFORMATION SHOWN HEREON REFERS TO NATIONAL GEODETIC SURVEY (NGS) BENCHMARK DESIGNATED "NARCOOSSEE" AND HAVING A POINT IDENTIFICATION NUMBER (PID) OF "AK6730" AND CONTROL POINT "9050" CONTAINED IN THAT CERTAIN COMPUTER AIDED DRAFTING (CAD) FILE, HAVING A FILE NAME OF "JACK BRACK TOPOGRAPHIC SURVEY-NARCOOSSEE COMMUNITY ROAD STUDY (10-18-2016 PRELIM).DWG", TITLED "JACK BRACK ROAD CONCEPTUAL ROADWAY DESIGN FOR THE NARCOOSSEE COMMUNITY SECTIONS 14, 15, 16, 17, 20, 21, 22, 23, TOWNSHIP 25 SOUTH, RANGE 31 EAST OSCEOLA COUNTY, FLORIDA DISTRICT 5", PREPARED BY DONALD W. MCINTOSH ASSOCIATES, INC. WHICH WAS PROVIDED BY THE CLIENT, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), ALL SET CONTROL WAS ELEVATED BY COMPLETING A CLOSED LOOP BENCH RUN FROM THE ABOVEMENTIONED PRIMARY VERTICAL CONTROL POINTS, SAID BENCH RUN CLOSURE IS ACCURATE TO A STANDARD OF 0.05' TIMES THE SQUARE ROOT OF THE BENCH RUN DISTANCE IN MILES.
- THE BASELINE OF SURVEY ALIGNMENT "JACK BRACK ROAD" DEPICTED HEREON IS BASED ON GEOMETRY CONTAINED IN THAT CERTAIN COMPUTER AIDED DRAFTING (CAD) FILE, HAVING A FILE NAME OF "JACK BRACK TOPOGRAPHIC SURVEY-NARCOOSSEE COMMUNITY ROAD STUDY (10-18-2016 PRELIM).DWG", TITLED "JACK BRACK ROAD CONCEPTUAL ROADWAY DESIGN FOR THE NARCOOSSEE COMMUNITY SECTIONS 14, 15, 16, 17, 20, 21, 22, 23, TOWNSHIP 25 SOUTH, RANGE 31 EAST OSCEOLA COUNTY, FLORIDA DISTRICT 5", PREPARED BY DONALD W. MCINTOSH ASSOCIATES, INC. WHICH WAS PROVIDED BY THE CLIENT.
- THE BASELINE OF SURVEY ALIGNMENT "NARCOOSSEE ROAD" DEPICTED HEREON IS BASED ON GEOMETRY CONTAINED IN THAT CERTAIN COMPUTER AIDED DRAFTING (CAD) FILE, HAVING A FILE NAME OF "JACK BRACK TOPOGRAPHIC SURVEY-NARCOOSSEE COMMUNITY ROAD STUDY (10-18-2016 PRELIM).DWG", TITLED "JACK BRACK ROAD CONCEPTUAL ROADWAY DESIGN FOR THE NARCOOSSEE COMMUNITY SECTIONS 14, 15, 16, 17, 20, 21, 22, 23, TOWNSHIP 25 SOUTH, RANGE 31 EAST OSCEOLA COUNTY, FLORIDA DISTRICT 5", PREPARED BY DONALD W. MCINTOSH ASSOCIATES, INC. WHICH WAS PROVIDED BY THE CLIENT AND REFERS TO THEREIN, "OSCEOLA COUNTY R/W MAP OF NARCOOSSEE ROAD - PHASE 2 & PHASE 3 DATED 6/23/2012 AND FDOT R/W MAP JOB# 9205-104".
- ATTENTION IS DIRECTED TO THE FACT THESE MAPS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- ALL DISTANCES AND BEARINGS ARE COMPUTED UNLESS OTHERWISE INDICATED. COORDINATES, DISTANCES, AND ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FOOT AND DECIMALS THEREOF.

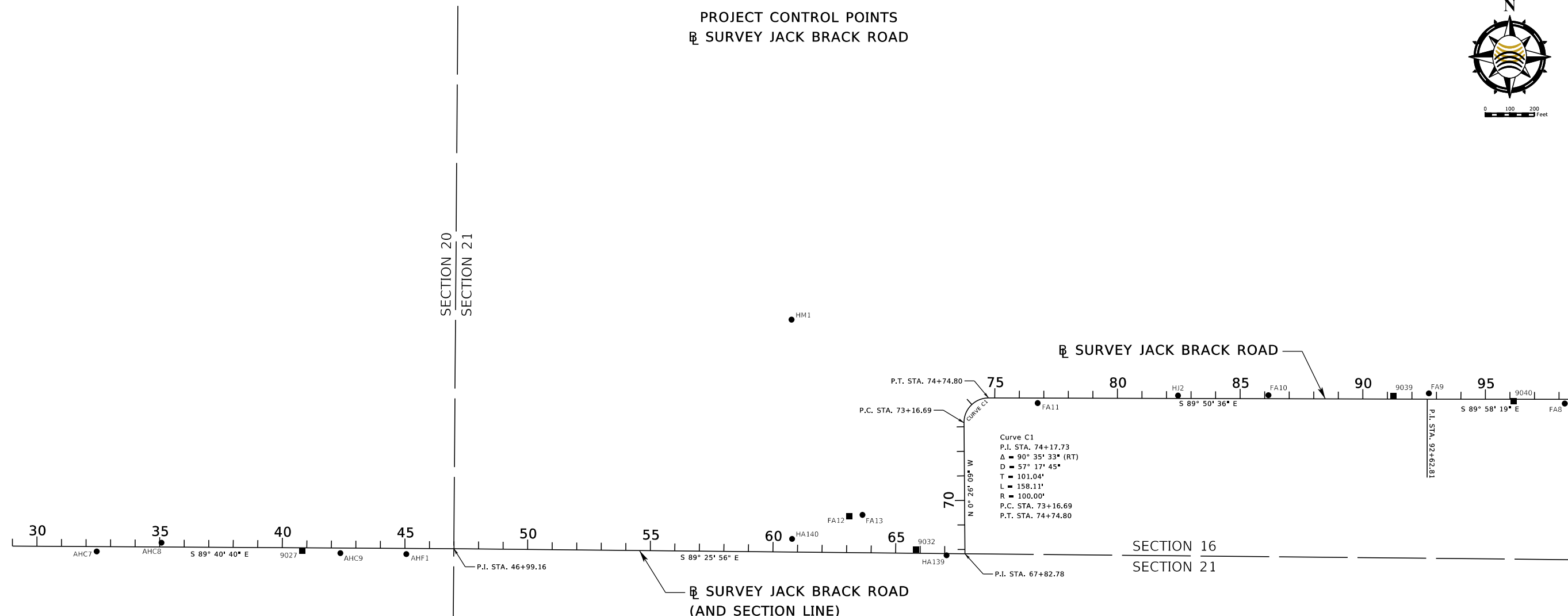
ABBREVIATIONS

CM	= CONCRETE MONUMENT
D	= DEGREE OF CURVATURE, ARC DEFINED
ID	= IDENTIFICATION
IRC	= IRON ROD WITH CAP
L	= ARC LENGTH
LB	= LICENSED BUSINESS
MAG	= MAGNETIC
N&D	= NAIL AND DISK
NL	= NAIL
O/S	= OFFSET
P.C.	= POINT OF CURVATURE
P.I.	= POINT OF INTERSECTION
P.O.T.	= POINT ON TANGENT
P.T.	= POINT OF TANGENCY
R	= RADIUS
STA.	= STATION
T	= TANGENT
TP	= TRAVERSE POINT
W/	= WITH
(LT.)	= LEFT
(RT.)	= RIGHT
Δ	= DELTA (CENTRAL ANGLE)
⊖	= BASELINE
⊕	= AND
●	= SET CONTROL POINT
■	= RECOVERED CONTROL POINT

REVISIONS			DATE	BY	DESCRIPTION	<p>JACK BRACK ROAD WIDENING</p>	<p>ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765</p>	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	<p>PROJECT CONTROL</p>	SHEET NO.

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

PROJECT CONTROL POINTS
 SURVEY JACK BRACK ROAD



- ABBREVIATIONS
- CM = CONCRETE MONUMENT
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 - ℄ = BASELINE
 - & = AND
 - = SET CONTROL POINT
 - = RECOVERED CONTROL POINT

TOWNSHIP 25 SOUTH, RANGE 31 EAST

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

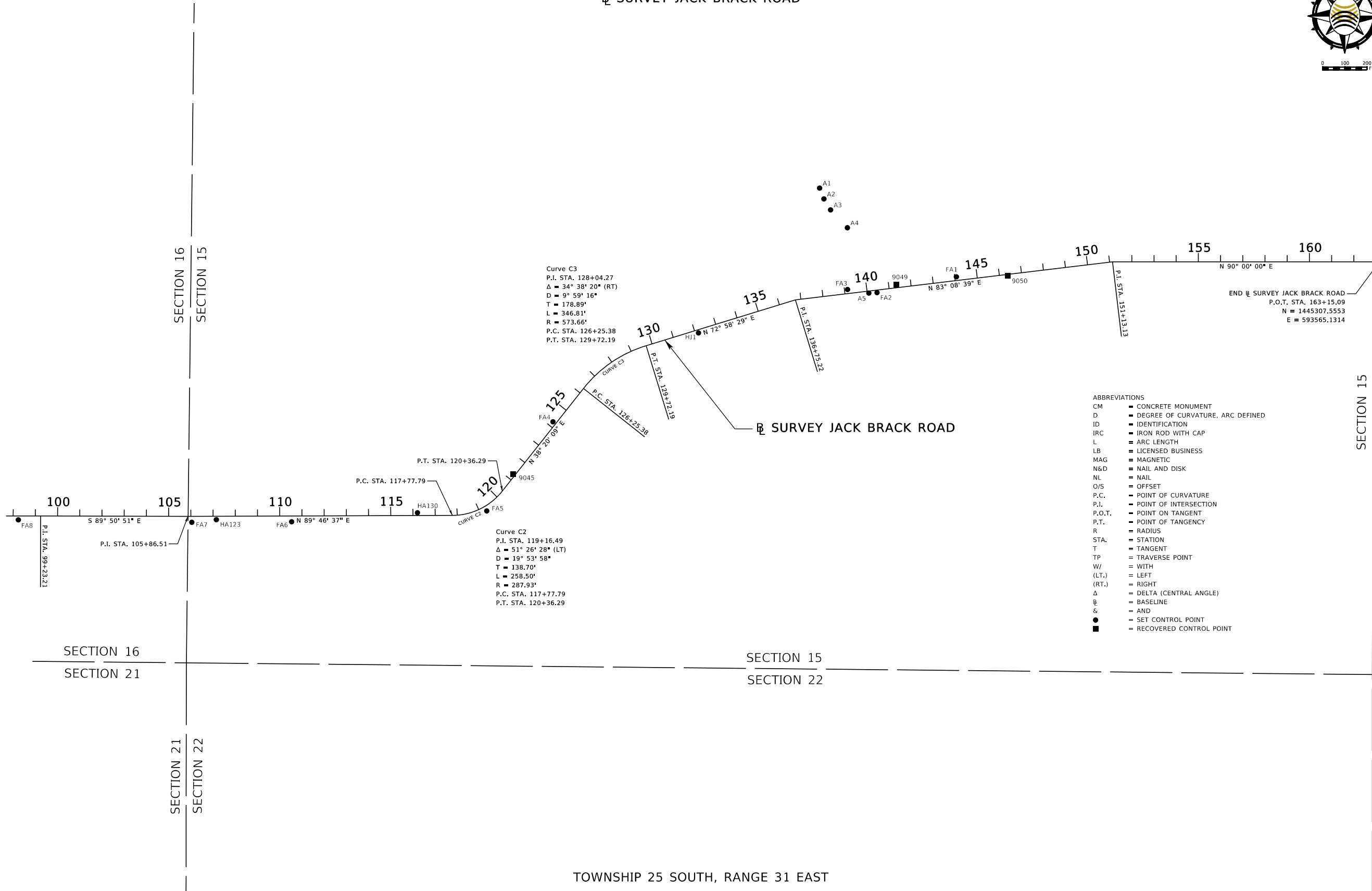
**OSCEOLA COUNTY
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PROJECT CONTROL

SHEET NO.
 36

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PROJECT CONTROL POINTS
 SURVEY JACK BRACK ROAD



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 - = RECOVERED CONTROL POINT

TOWNSHIP 25 SOUTH, RANGE 31 EAST

REVISIONS			DATE	BY	DESCRIPTION
DATE	BY	DESCRIPTION			

**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

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 ENGINEERING DEPARTMENT**
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PROJECT CONTROL


SHEET NO.
37

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

HORIZONTAL AND VERTICAL CONTROL

CONTROL POINT	SURVEY STATION	OFFSET LT. / RT.	(Z) ELEVATION	(Y) NORTH	(X) EAST	LATITUDE (N)	LONGITUDE (W)	SCALE FACTOR	DESCRIPTION
9021	10+56.79	27.17' LT.	70.42'	1443601.9760	579266.3293	28°18'17.347085"	81°14'20.348924"	0.999947955	NL "NO ID"
9027	40+82.22	11.81' RT.	78.64'	1443545.9810	582291.4917	28°18'16.850722"	81°13'46.502918"	0.999947432	N&D BENCHMARK LB 8011
9032	65+82.37	15.45' LT.	74.13'	1443551.1029	584791.7676	28°18'16.947678"	81°13'18.530536"	0.999947015	N&D FHR T32 LB 6605
9039	91+24.05	12.00' LT.	74.52'	1444175.8070	586737.5003	28°18'23.168132"	81°12'56.774610"	0.999946701	NL "NO ID"
9040	96+13.80	7.10' RT.	74.28'	1444156.1552	587227.2126	28°18'22.982177"	81°12'51.295342"	0.999946624	NL "NO ID"
9045	121+26.54	8.15' LT.	72.82'	1444351.1467	589665.5111	28°18'24.954958"	81°12'24.019512"	0.999946245	N&D "FHR T45 LB6605"
9049	141+35.43	13.92' LT.	71.23'	1445204.6700	591390.8000	28°18'33.435051"	81°12'4.732871"	0.999945986	N&D "FHR T49 LB6605"
9050	146+38.00	6.74' RT.	71.92'	1445244.1454	591892.2464	28°18'33.834162"	81°11'59.123288"	0.999945912	N&D "FHR T50 LB6605"
A1	138+43.68	486.98' LT.	70.25'	1445639.5140	591044.6687	28°18'37.734978"	81°12'8.613628"	0.999946037	SET 5/8" IRC "ECHO UES TP LB8184"
A2	138+56.94	436.15' LT.	70.53'	1445590.6316	591063.9027	28°18'37.251282"	81°12'8.397514"	0.999946034	SET 5/8" IRC "ECHO UES TP LB8184"
A3	138+80.83	383.73' LT.	70.95'	1445541.4406	591093.8740	28°18'36.764709"	81°12'8.061263"	0.999946030	SET 5/8" IRC "ECHO UES TP LB8184"
A4	139+46.42	294.69' LT.	70.41'	1445460.8713	591169.6236	28°18'35.968199"	81°12'7.212243"	0.999946019	SET 5/8" IRC "ECHO UES TP LB8184"
A5	140+07.14	8.89' RT.	70.77'	1445166.7112	591266.1536	28°18'33.057139"	81°12'6.126738"	0.999946004	SET 5/8" IRC "ECHO UES TP LB8184"
AHC1	10+44.31	696.68' RT.	72.92'	1442878.1990	579249.7804	28°18'10.180219"	81°14'20.518052"	0.999947957	SET MAG NL "NO ID"
AHC2	10+41.43	258.19' RT.	72.34'	1443316.7037	579249.3702	28°18'14.522104"	81°14'20.532345"	0.999947958	SET MAG NL "NO ID"
AHC3	9+90.47	90.41' LT.	71.45'	1443665.5822	579200.3651	28°18'17.975595"	81°14'21.088325"	0.999947966	FND N&D "JOHNSTON LB966"
AHC4	9+82.79	914.50' LT.	71.61'	1444489.7072	579197.3232	28°18'26.135678"	81°14'21.140610"	0.999947967	SET 5/8" IRC "ECHO UES TP LB8184"
AHC5	21+14.62	17.05' RT.	75.23'	1443551.8030	580323.9022	28°18'16.870860"	81°14'8.515952"	0.999947769	SET 5/8" IRC "ECHO UES TP LB8184"
AHC6	24+00.88	13.38' LT.	75.26'	1443580.6272	580610.3204	28°18'17.161787"	81°14'5.312203"	0.999947720	SET 5/8" IRC "ECHO UES TP LB8184"
AHC7	32+43.73	19.55' RT.	76.84'	1443542.9553	581452.9805	28°18'16.804899"	81°13'55.883911"	0.999947575	SET 5/8" IRC "ECHO UES TP LB8184"
AHC8	35+07.48	17.48' LT.	75.95'	1443578.5045	581716.9321	28°18'17.161905"	81°13'52.931648"	0.999947529	SET 5/8" IRC "ECHO UES TP LB8184"
AHC9	42+36.97	20.88' RT.	78.08'	1443536.0367	582446.1954	28°18'16.755165"	81°13'44.771920"	0.999947406	SET 5/8" IRC "ECHO UES TP LB8184"
AHF1	45+05.73	23.33' RT.	78.33'	1443532.0757	582714.9394	28°18'16.720981"	81°13'41.765194"	0.999947360	SET 5/8" IRC "ECHO UES TP LB8184"
AK6730	13+36.85	1100.61' LT.	71.82'	1444673.8234	579552.4297	28°18'27.965664"	81°14'17.171731"	0.999947904	CM W/ DISK "NARCOOSEE 1939 AK6730"
FA1	144+07.20	16.85' LT.	71.09'	1445240.0191	591660.2720	28°18'33.789500"	81°12'1.718605"	0.999945946	SET 5/8" IRC "ECHO UES TP LB8184"
FA2	140+43.97	11.24' RT.	71.07'	1445168.7666	591302.9982	28°18'33.078100"	81°12'5.714550"	0.999945999	SET 5/8" IRC "ECHO UES TP LB8184"
FA3	139+13.78	18.65' LT.	71.20'	1445182.9093	591170.1732	28°18'33.215939"	81°12'7.200894"	0.999946019	SET 5/8" IRC "ECHO UES TP LB8184"
FA4	124+22.27	14.80' LT.	72.00'	1444587.2390	589843.7194	28°18'27.295664"	81°12'22.030222"	0.999946218	SET 5/8" IRC "ECHO UES TP LB8184"
FA5	119+28.17	21.87' RT.	73.34'	1444186.0032	589545.6699	28°18'23.317741"	81°12'25.357131"	0.999946264	SET 5/8" IRC "ECHO UES TP LB8184"
FA6	110+53.67	26.10' RT.	74.25'	1444137.0581	588667.1871	28°18'22.818102"	81°12'35.184611"	0.999946399	SET 5/8" IRC "ECHO UES TP LB8184"
FA7	106+04.09	26.46' RT.	73.73'	1444134.9421	588217.6076	28°18'22.789396"	81°12'40.214440"	0.999946468	SET 5/8" IRC "ECHO UES TP LB8184"
FA8	98+23.22	17.28' RT.	73.45'	1444145.8724	587436.6258	28°18'22.884031"	81°12'48.952235"	0.999946591	SET 5/8" IRC "ECHO UES TP LB8184"
FA9	92+69.38	23.76' LT.	73.88'	1444187.1832	586882.8096	28°18'23.283342"	81°12'55.149123"	0.999946678	SET 5/8" IRC "ECHO UES TP LB8184"
FA10	86+15.31	14.60' LT.	72.96'	1444179.7949	586228.7678	28°18'23.198591"	81°13'2.466364"	0.999946783	SET 5/8" IRC "ECHO UES TP LB8184"
FA11	76+74.90	20.13' RT.	73.51'	1444147.6355	585288.2680	28°18'22.863297"	81°13'12.987972"	0.999946935	SET 5/8" IRC "ECHO UES TP LB8184"
FA12	63+09.90	147.69' LT.	76.21'	1443686.0425	584520.6139	28°18'18.278858"	81°13'21.566922"	0.999947060	MAG N&D "PCP LB#6723"
FA13	63+63.35	154.14' LT.	75.25'	1443691.9552	584574.1266	28°18'18.338379"	81°13'20.968354"	0.999947051	SET 5/8" IRC "ECHO UES TP LB8184"
HA123	107+14.67	15.26' RT.	74.16'	1444146.5764	588328.1443	28°18'22.906506"	81°12'38.977989"	0.999946451	SET 5/8" IRC "ECHO UES TP LB8184"
HA130	116+20.29	12.53' LT.	73.51'	1444177.8940	589233.6507	28°18'23.232140"	81°12'28.847833"	0.999946311	SET 5/8" IRC "ECHO UES TP LB8184"
HA139	67+07.74	7.36' RT.	73.65'	1443527.0551	584916.8965	28°18'16.711839"	81°13'17.130130"	0.999946995	SET 5/8" IRC "ECHO UES TP LB8184"
HA140	60+77.36	53.22' LT.	76.76'	1443593.8755	584287.1524	28°18'17.361991"	81°13'24.176937"	0.999947098	SET 5/8" IRC "ECHO UES TP LB8184"
HJ1	132+14.34	14.39' RT.	72.04'	1444987.2076	590499.0701	28°18'31.267011"	81°12'14.705666"	0.999946119	SET 5/8" IRC "ECHO UES TP LB8184"
HJ2	82+46.89	12.05' LT.	73.07'	1444178.2537	585860.3465	28°18'23.176751"	81°13'6.588211"	0.999946842	SET 5/8" IRC "ECHO UES TP LB8184"
HM1	73+65.60	805.92' LT.	77.89'	1444487.8763	584285.0478	28°18'26.213986"	81°13'24.218974"	0.999947099	SET 5/8" IRC "ECHO UES TP LB8184"
MP1	9+40.37	1022.17' RT.	72.14'	1442553.2984	579144.0108	28°18'6.961114"	81°14'21.694155"	0.999947976	SET MAG NL "NO ID"
MP2	10+38.38	1021.41' RT.	72.11'	1442553.5086	579242.0224	28°18'6.965116"	81°14'20.597659"	0.999947959	SET MAG NL "NO ID"
MP3	10+34.18	511.32' RT.	72.52'	1443063.6128	579240.6975	28°18'12.015932"	81°14'20.623771"	0.999947959	SET MAG NL "NO ID"
MP4	9+35.21	511.31' RT.	72.59'	1443064.1855	579141.7266	28°18'12.019663"	81°14'21.731031"	0.999947977	SET MAG NL "NO ID"
MP5	9+34.00	56.02' RT.	71.18'	1443519.4776	579143.0758	28°18'16.527804"	81°14'21.726027"	0.999947976	SET MAG NL "NO ID"
MP6	10+51.96	21.57' RT.	70.62'	1443553.2552	579261.2325	28°18'16.864572"	81°14'20.404868"	0.999947955	SET MAG NL "NO ID"
MP7	68+67.38	6288.76' LT.	67.28'	1443570.4405	578702.7969	28°18'17.023757"	81°14'26.652888"	0.999948054	SET MAG NL "NO ID"
MP8	10+40.64	510.01' LT.	70.98'	1444084.8903	579252.8971	28°18'22.128439"	81°14'20.509888"	0.999947957	SET MAG NL "NO ID"
MP9	9+43.10	511.18' LT.	71.01'	1444086.6149	579155.3629	28°18'22.143603"	81°14'21.601130"	0.999947974	SET MAG NL "NO ID"
MP10	9+48.25	1080.90' LT.	70.82'	1444656.2990	579163.7155	28°18'27.784541"	81°14'21.520305"	0.999947973	SET MAG NL "NO ID"
MP11	10+46.45	1080.04' LT.	70.79'	1444654.8861	579261.9141	28°18'27.772476"	81°14'20.421621"	0.999947955	SET MAG NL "NO ID"

SEE SHEET ONE (CTL-01) FOR GENERAL NOTES AND ABBREVIATIONS


<i>REVISIONS</i>		JACK BRACK ROAD WIDENING	<i>ENGINEER OF RECORD</i> Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY <i>ENGINEERING DEPARTMENT</i> 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	PROJECT CONTROL	SHEET NO. 38
DATE	BY					

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HORIZONTAL AND VERTICAL CONTROL

CONTROL POINT	STATION	OFFSET LT. / RT.	(Z) ELEVATION	(Y) NORTH	(X) EAST	LATITUDE (N)	LONGITUDE (W)	SCALE FACTOR	DESCRIPTION
MP12	12+82.18	21.20' LT.	71.32'	1443594.7314	579491.6887	28°18'17.279758"	81°14'17.827497"	0.999947915	SET MAG NL "NO ID"
MP13	13+77.50	23.90' RT.	72.69'	1443549.1013	579586.7516	28°18'16.829803"	81°14'16.762950"	0.999947898	SET MAG NL "NO ID"
MP14	12+96.54	355.51' LT.	71.32'	1443928.9598	579507.9238	28°18'20.589467"	81°14'17.653235"	0.999947912	SET MAG NL "NO ID"
MP17	13+74.92	368.10' RT.	73.98'	1443204.9219	579582.2339	28°18'13.421793"	81°14'16.805909"	0.999947899	SET MAG NL "NO ID"
MP19	19+16.63	9.26' RT.	75.16'	1443560.7113	580125.9535	28°18'16.955239"	81°14'10.730748"	0.999947804	SET MAG NL "NO ID"
MP20	23+94.36	24.95' RT.	76.38'	1443542.3353	580603.5845	28°18'16.782507"	81°14'5.386730"	0.999947721	SET MAG NL "NO ID"
MP21	24+44.37	9.18' LT.	75.63'	1443576.1785	580653.7892	28°18'17.118574"	81°14'4.825787"	0.999947712	SET MAG NL "NO ID"
MP23	24+00.21	234.46' RT.	77.15'	1443332.7864	580608.2567	28°18'14.707730"	81°14'5.329902"	0.999947720	SET MAG NL "NO ID"
MP25	28+74.83	9.52' RT.	76.40'	1443555.0629	581084.1411	28°18'16.917748"	81°14'0.010657"	0.999947638	SET MAG NL "NO ID"
MP26	32+49.91	9.06' LT.	76.46'	1443571.5260	581459.3201	28°18'17.087915"	81°13'55.813600"	0.999947573	SET MAG NL "NO ID"
MP27	33+10.23	16.95' RT.	76.83'	1443545.1773	581519.4928	28°18'16.828165"	81°13'55.139836"	0.999947563	SET MAG NL "NO ID"
MP29	33+04.33	357.07' RT.	78.69'	1443205.0985	581511.6791	28°18'13.460695"	81°13'55.219949"	0.999947564	SET MAG NL "NO ID"
MP30	38+33.90	34.79' LT.	77.80'	1443593.9703	582043.4415	28°18'17.321218"	81°13'49.279067"	0.999947474	SET MAG NL "NO ID"
MP31	37+86.12	10.32' RT.	78.11'	1443549.1366	581995.4124	28°18'16.876386"	81°13'49.815449"	0.999947482	SET MAG NL "NO ID"
MP32	42+98.43	6.48' LT.	78.67'	1443563.0519	582507.8008	28°18'17.023815"	81°13'44.083266"	0.999947395	SET MAG NL "NO ID"
MP33	43+89.45	20.91' RT.	78.84'	1443535.1553	582598.6719	28°18'16.749297"	81°13'43.066032"	0.999947380	SET MAG NL "NO ID"
MP35	43+51.21	216.29' RT.	78.04'	1443339.9876	582559.3293	28°18'14.816089"	81°13'43.502053"	0.999947386	SET MAG NL "NO ID"
MP36	46+78.59	10.58' LT.	79.17'	1443565.0167	582887.9831	28°18'17.050382"	81°13'39.829918"	0.999947331	SET MAG NL "NO ID"
MP37	47+38.44	11.46' RT.	79.23'	1443542.4724	582947.6621	28°18'16.828271"	81°13'39.161769"	0.999947321	SET MAG NL "NO ID"
MP39	46+87.47	362.05' LT.	78.91'	1443916.4326	582898.8352	28°18'20.530162"	81°13'39.715916"	0.999947329	SET MAG NL "NO ID"
MP40	50+73.76	18.71' RT.	79.89'	1443531.8946	583282.8929	28°18'16.729770"	81°13'35.411066"	0.999947265	SET MAG NL "NO ID"
MP41	51+21.46	11.62' LT.	80.02'	1443561.7497	583330.8898	28°18'17.026274"	81°13'34.874714"	0.999947257	SET MAG NL "NO ID"
MP43	51+00.87	214.09' RT.	78.32'	1443336.2627	583308.0578	28°18'14.793169"	81°13'35.125426"	0.999947261	SET MAG NL "NO ID"
MP44	55+31.39	14.17' RT.	77.95'	1443531.9075	583740.5449	28°18'16.738365"	81°13'30.290967"	0.999947189	SET MAG NL "NO ID"
MP45	56+08.05	19.64' LT.	77.08'	1443564.9477	583817.5312	28°18'17.066935"	81°13'29.430351"	0.999947176	SET MAG NL "NO ID"
MP47	55+42.35	221.23' LT.	76.20'	1443767.1842	583753.8336	28°18'19.068225"	81°13'30.147199"	0.999947187	SET MAG NL "NO ID"
MP48	60+16.41	13.76' RT.	76.39'	1443527.5032	584225.5454	28°18'16.703671"	81°13'24.864808"	0.999947108	SET MAG NL "NO ID"
MP49	60+81.26	21.42' LT.	76.10'	1443562.0370	584290.7390	28°18'17.046805"	81°13'24.136152"	0.999947098	SET MAG NL "NO ID"
MP50	60+58.74	505.49' LT.	77.90'	1444046.3133	584273.0156	28°18'21.841588"	81°13'24.344455"	0.999947101	SET MAG NL "NO ID"
MP51	73+70.60	866.24' LT.	76.69'	1444558.0723	584255.0244	28°18'26.908489"	81°13'24.556329"	0.999947104	SET MAG NL "NO ID"
MP52	73+75.88	875.12' LT.	77.30'	1444606.2057	584274.6076	28°18'27.385445"	81°13'24.338227"	0.999947100	SET MAG NL "NO ID"
MP54	67+05.75	2.22' RT.	73.89'	1443532.2175	584914.9577	28°18'16.762920"	81°13'17.151927"	0.999946995	SET MAG NL "NO ID"
MP55	68+65.02	12.39' LT.	74.04'	1443615.8099	584979.0005	28°18'17.591779"	81°13'16.437143"	0.999946985	SET MAG NL "NO ID"
MP56	73+06.01	13.13' RT.	73.53'	1444056.9804	585001.1663	28°18'21.960474"	81°13'16.198191"	0.999946981	SET MAG NL "NO ID"
MP57	74+82.91	2.68' LT.	73.49'	1444170.9688	585096.3434	28°18'23.090865"	81°13'15.135689"	0.999946966	SET MAG NL "NO ID"
MP59	80+46.12	10.00' RT.	73.46'	1444156.7528	585659.5165	28°18'22.960257"	81°13'8.834651"	0.999946874	SET MAG NL "NO ID"
MP60	86+61.42	20.95' RT.	73.35'	1444144.1231	586274.7809	28°18'22.846202"	81°13'1.950854"	0.999946775	SET MAG NL "NO ID"
MP61	87+55.57	8.84' LT.	73.88'	1444173.6543	586369.0170	28°18'23.140284"	81°13'0.897139"	0.999946760	SET MAG NL "NO ID"
MP63	86+99.37	250.15' RT.	74.00'	1443914.8204	586312.1086	28°18'20.576403"	81°13'1.528625"	0.999946769	SET MAG NL "NO ID"
MP65	92+83.13	10.16' LT.	74.70'	1444173.5746	586896.5561	28°18'23.148837"	81°12'54.995057"	0.999946676	SET MAG NL "NO ID"
MP66	99+05.20	6.49' RT.	74.26'	1444156.6180	587518.6157	28°18'22.991864"	81°12'48.035149"	0.999946578	SET MAG NL "NO ID"
MP67	99+77.60	8.94' LT.	74.64'	1444171.8923	587591.0416	28°18'23.144370"	81°12'47.225153"	0.999946566	SET MAG NL "NO ID"
MP68	105+03.14	26.10' RT.	73.87'	1444135.4559	588116.4880	28°18'22.792733"	81°12'41.345770"	0.999946484	SET MAG NL "NO ID"
MP69	105+74.19	8.39' LT.	74.37'	1444169.7591	588187.6284	28°18'23.133622"	81°12'40.550526"	0.999946473	SET MAG NL "NO ID"
MP71	105+39.10	245.10' RT.	72.93'	1443916.3609	588151.8603	28°18'20.623954"	81°12'40.945739"	0.999946479	SET MAG NL "NO ID"
MP72	110+75.34	14.99' RT.	74.42'	1444148.2487	588688.8074	28°18'22.929279"	81°12'34.942941"	0.999946395	SET MAG NL "NO ID"
MP73	111+26.35	6.14' LT.	74.51'	1444169.5782	588739.7378	28°18'23.141350"	81°12'34.373548"	0.999946387	SET MAG NL "NO ID"
MP74	115+79.43	10.56' RT.	74.29'	1444154.6378	589192.8769	28°18'23.001171"	81°12'29.303561"	0.999946318	SET MAG NL "NO ID"
MP76	118+74.55	35.91' RT.	73.94'	1444148.5899	589498.0608	28°18'22.946481"	81°12'25.889062"	0.999946271	SET MAG NL "NO ID"
MP77	119+34.91	3.95' LT.	73.44'	1444211.7376	589538.4140	28°18'23.572429"	81°12'25.438803"	0.999946265	SET MAG NL "NO ID"
MP79	118+36.52	355.07' RT.	72.36'	1443824.7403	589522.7661	28°18'19.740269"	81°12'25.606450"	0.999946267	SET MAG NL "NO ID"
MP80	124+04.96	7.40' RT.	72.56'	1444559.8902	589850.3962	28°18'27.024980"	81°12'21.955000"	0.999946217	SET MAG NL "NO ID"
MP81	124+37.12	8.12' LT.	72.41'	1444594.7446	589858.1689	28°18'27.370226"	81°12'21.868703"	0.999946216	SET MAG NL "NO ID"
MP82	128+95.73	16.74' RT.	72.46'	1444887.6677	590198.9017	28°18'30.276374"	81°12'18.062118"	0.999946164	SET MAG NL "NO ID"
MP83	129+44.09	0.92' LT.	72.43'	1444922.0491	590236.3531	28°18'30.617434"	81°12'17.643758"	0.999946159	SET MAG NL "NO ID"

SEE SHEET ONE (CTL-01) FOR GENERAL NOTES AND ABBREVIATIONS


REVISIONS			DATE	BY	DESCRIPTION	<p align="center">JACK BRACK ROAD WIDENING</p>	<p align="center">ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765</p>	 <p align="center">OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623</p>	<p align="center">PROJECT CONTROL</p>	<p align="center">SHEET NO. 39</p>
DATE	BY	DESCRIPTION								

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HORIZONTAL AND VERTICAL CONTROL

CONTROL POINT	SURVEY STATION	OFFSET LT. / RT.	(Z) ELEVATION	(Y) NORTH	(X) EAST	LATITUDE (N)	LONGITUDE (W)	SCALE FACTOR	DESCRIPTION
MP84	132+63.90	6.64' RT.	72.45'	1445009.1347	590544.1942	28°18'31.484879"	81°12'14.201223"	0.999946112	SET MAG NL "NO ID"
MP86	136+09.88	10.49' LT.	72.44'	1445126.8105	590869.9952	28°18'32.655490"	81°12'10.558307"	0.999946063	SET MAG NL "NO ID"
MP87	136+24.24	16.91' RT.	72.12'	1445104.8193	590891.7423	28°18'32.438103"	81°12'10.314582"	0.999946060	SET MAG NL "NO ID"
MP89	134+95.55	391.51' RT.	71.10'	1444708.9501	590878.3723	28°18'28.518141"	81°12'10.456731"	0.999946062	SET MAG NL "NO ID"
MP91	136+75.22	350.62' LT.	71.88'	1445481.1691	590874.4592	28°18'36.164282"	81°12'10.515021"	0.999946063	SET MAG NL "NO ID"
MP92	141+43.81	11.51' LT.	71.28'	1445203.2700	591399.4100	28°18'33.421330"	81°12'4.636514"	0.999945984	SET MAG NL "NO ID"
MP93	141+96.44	3.45' RT.	71.14'	1445194.7087	591453.4490	28°18'33.337451"	81°12'4.031752"	0.999945976	SET MAG NL "NO ID"
MP94	145+79.64	9.30' LT.	71.77'	1445253.1029	591832.3823	28°18'33.921875"	81°11'59.793230"	0.999945920	SET MAG NL "NO ID"
MP96	149+46.42	19.37' LT.	74.95'	1445306.8912	592195.3418	28°18'34.460396"	81°11'55.733330"	0.999945867	SET MAG NL "NO ID"
MP97	149+65.82	32.58' RT.	74.70'	1445257.6268	592220.8010	28°18'33.973014"	81°11'55.447578"	0.999945863	SET MAG NL "NO ID"
MP99	149+11.35	526.07' RT.	72.56'	1444761.1582	592225.6339	28°18'29.057256"	81°11'55.384371"	0.999945863	SET MAG NL "NO ID"
MP100	148+23.31	988.24' RT.	71.93'	1444291.7839	592193.3896	28°18'24.409170"	81°11'55.736483"	0.999945867	SET MAG NL "NO ID"
MP101	148+30.93	1042.51' RT.	72.20'	1444238.8104	592207.4331	28°18'23.884876"	81°11'55.578389"	0.999945865	SET MAG NL "NO ID"
MP102	150+22.45	442.56' LT.	75.90'	1445736.1286	592220.3069	28°18'38.710942"	81°11'55.461913"	0.999945863	SET MAG NL "NO ID"
MP104	150+88.29	956.18' LT.	76.83'	1446253.9312	592224.3703	28°18'43.838084"	81°11'55.425980"	0.999945863	SET MAG NL "NO ID"
MP105	150+77.55	995.49' LT.	77.04'	1446291.6827	592209.0113	28°18'44.211634"	81°11'55.598520"	0.999945865	SET MAG NL "NO ID"

SEE SHEET ONE (CTL-01) FOR GENERAL NOTES AND ABBREVIATIONS

<p>REVISIONS</p> <table border="1"> <tr><td>DATE</td><td>BY</td><td>DESCRIPTION</td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>			DATE	BY	DESCRIPTION				<p>JACK BRACK ROAD WIDENING</p>		<p>ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765</p>		 <p>OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623</p>		<p>PROJECT CONTROL</p>		<p>SHEET NO.</p> <p>40</p>
DATE	BY	DESCRIPTION															

GENERAL NOTES


1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

ERIC E. CAIN, P.S.M.
P.S.M. No.: LS7131
ECHO UES, INC.
400 SR 434, SUITE 1024
OVIEDO, FL 32765
CERTIFICATE OF AUTHORIZATION: LB 8184

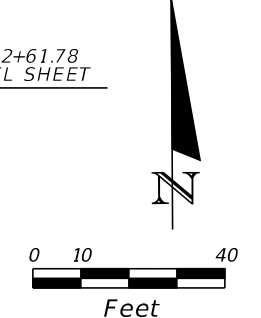
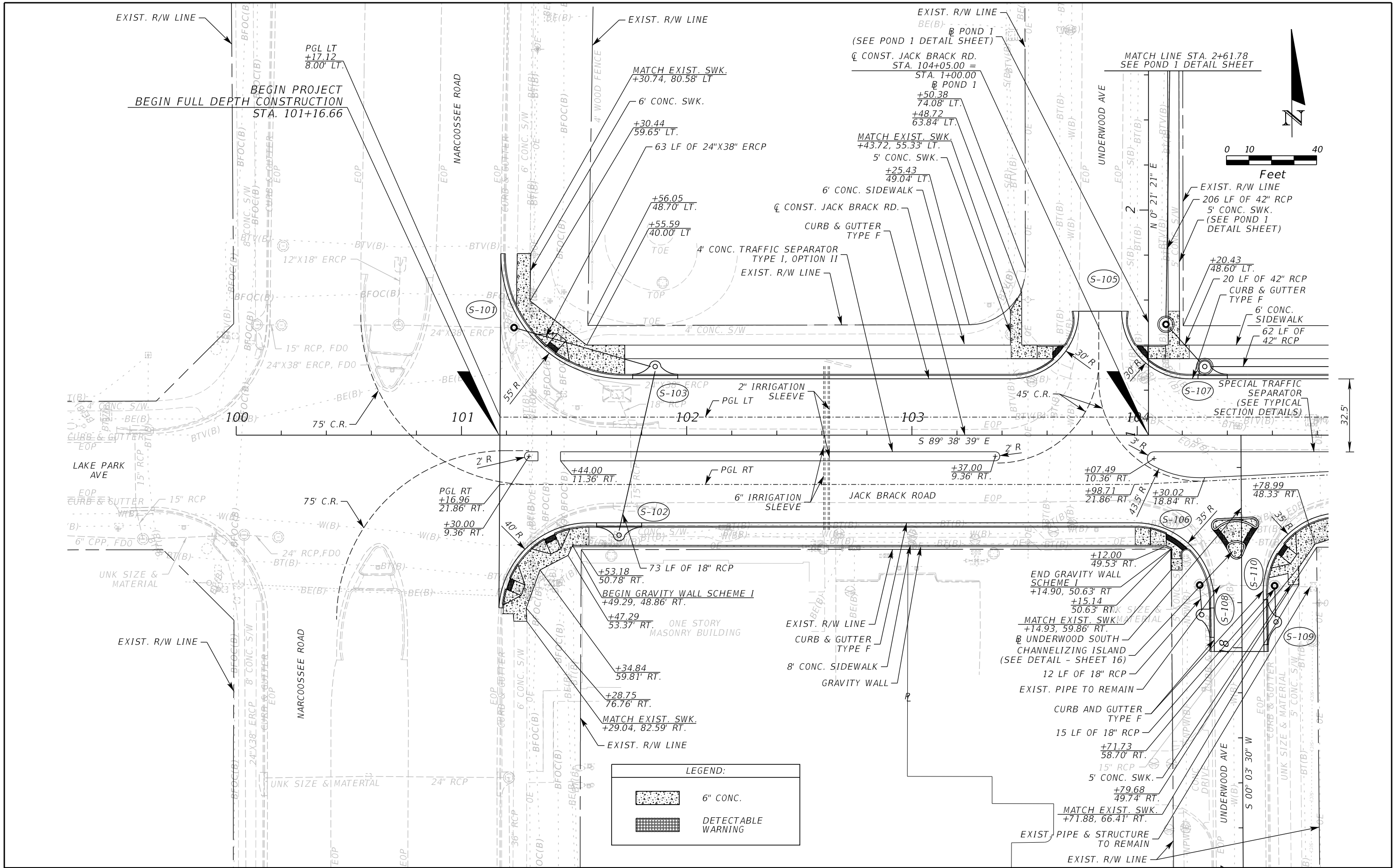
3. THE LOCATION(S) OF THE UTILITIES SHOWN ON THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN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

COMPANY	CONTACT	TELEPHONE:
AT&T - DISTRIBUTION	JASON BOCK	(321) 388-9707
CENTURYLINK - LOCAL	RELOCATIONS@LUMEN.COM	N/A
CHARTER COMMUNICATIONS	JOHN SMITH	(407) 532-8520
COMCAST COMMUNICATIONS	THOMAS OSEBOLD	(352) 315-8527 / (352) 267-7620
OSCEOLA COUNTY	JACK LOTT	(407) 742-7534 / (407) 742-7813
OUC - ELECTRIC	JUAN DIAZ	(321) 436-6215
TOHO WATER AUTHORITY	KEVIN BURGESS	(407) 425-0452
UNITI FIBER	JAMES MOSLEY	(251) 654-8216
VERIZON / MCI	TIM COLE	(407) 702-6425 / (407) 506-8635
ZAYO GROUP	KATE PETERS	(815) 274-7274

5. EXISTING DRAINAGE STRUCTURES AND PIPES ARE TO BE REMOVED UNLESS OTHERWISE NOTED. EXISTING DRAINAGE INFRASTRUCTURE ALONG NARCOOSSEE ROAD IS TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.

REVISIONS			JACK BRACK ROAD WIDENING	<small>ENGINEER OF RECORD</small> Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY <small>ENGINEERING DEPARTMENT</small> 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	SHEET NO.
DATE	BY	DESCRIPTION				GENERAL NOTES
						41

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

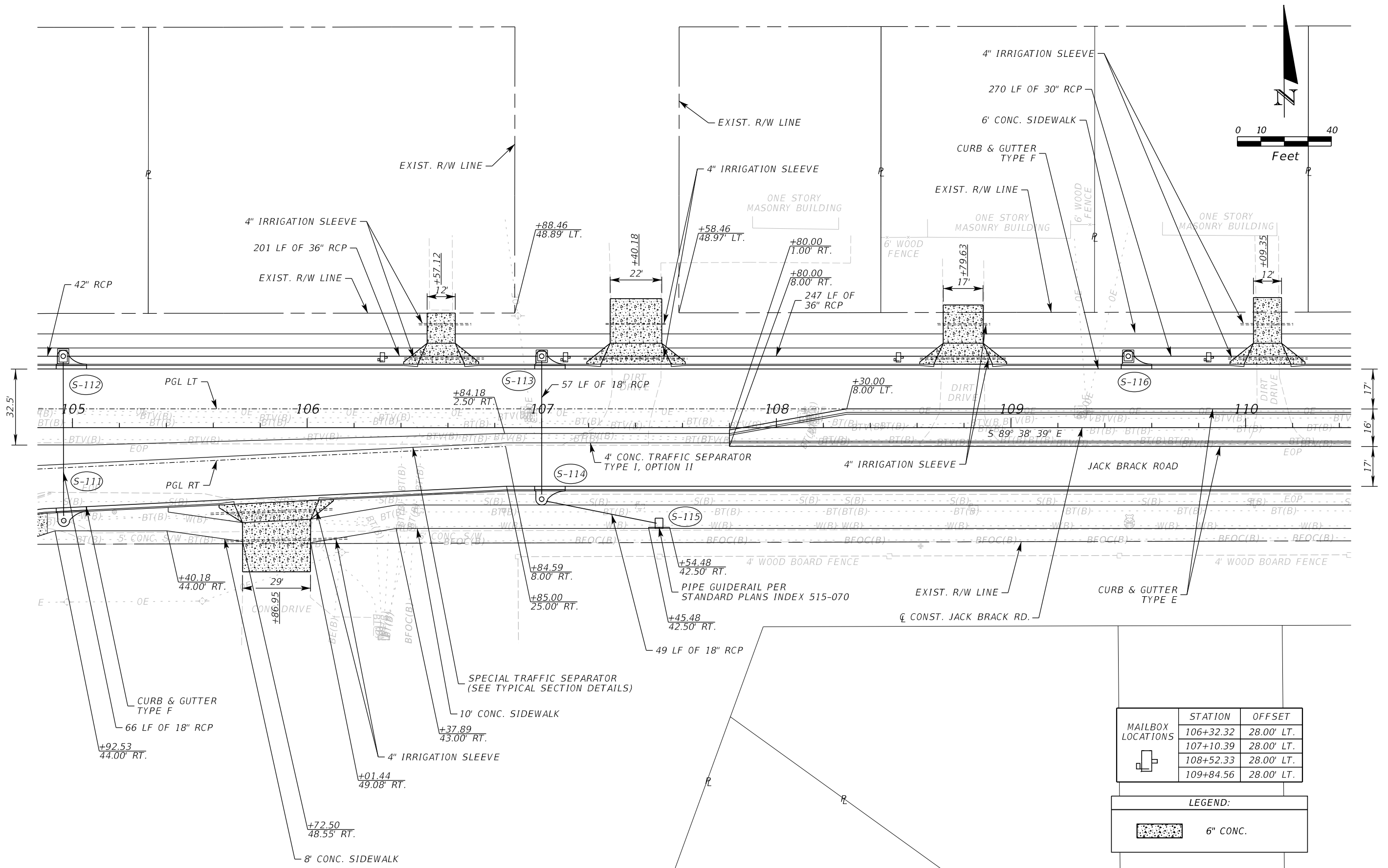
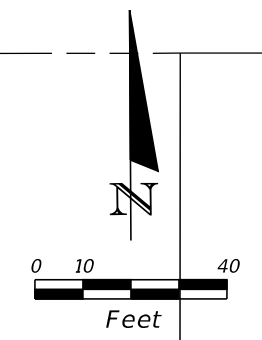
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

ROADWAY PLAN

SHEET
NO.
42

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MAILBOX LOCATIONS	STATION	OFFSET
	106+32.32	28.00' LT.
	107+10.39	28.00' LT.
	108+52.33	28.00' LT.
	109+84.56	28.00' LT.

LEGEND:	
	6" CONC.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

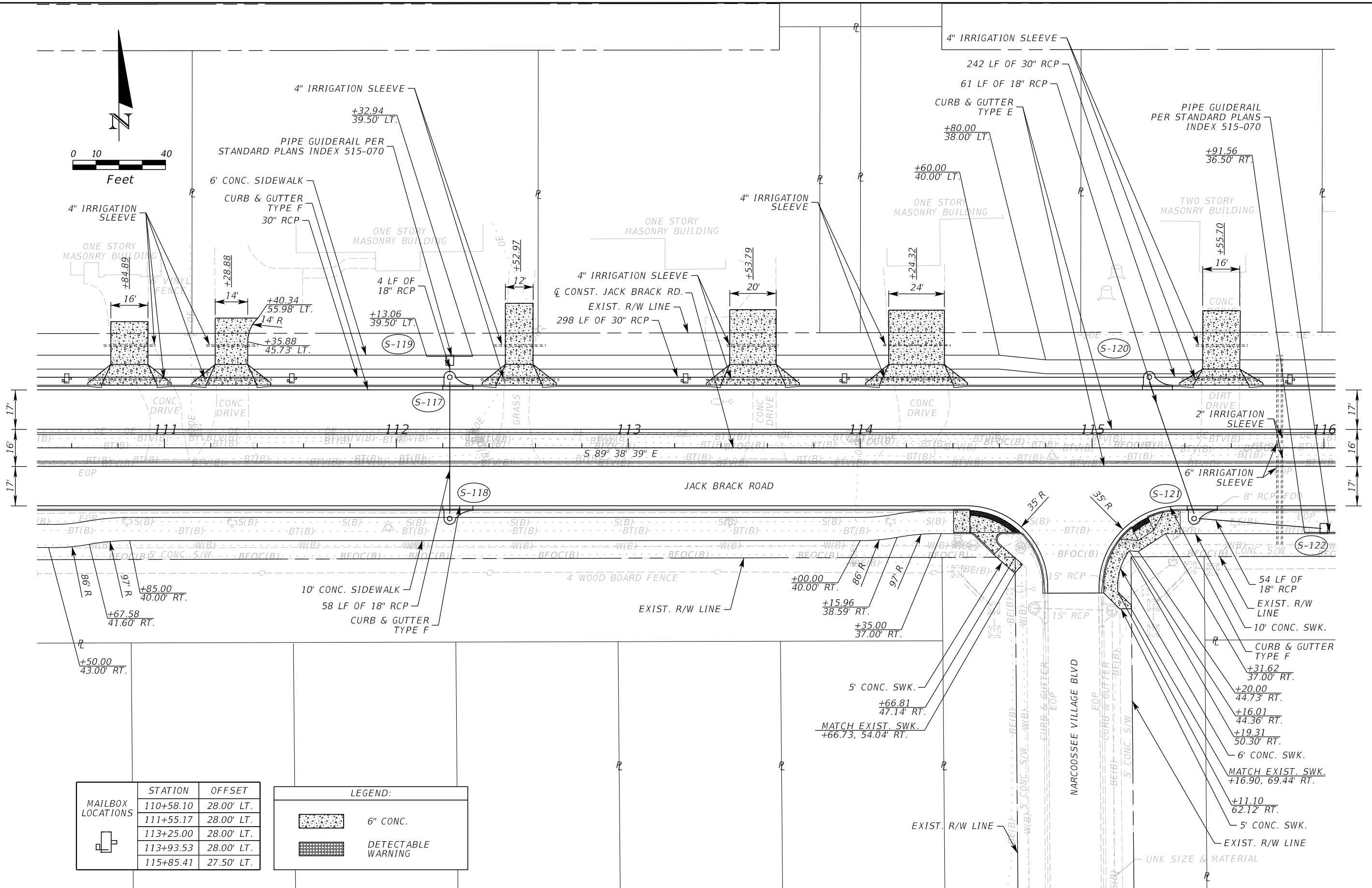
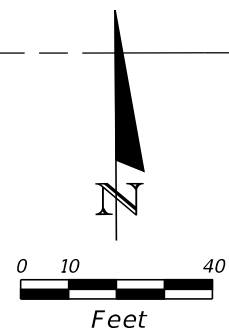
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
43

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STATION	OFFSET
110+58.10	28.00' LT.
111+55.17	28.00' LT.
113+25.00	28.00' LT.
113+93.53	28.00' LT.
115+85.41	27.50' LT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

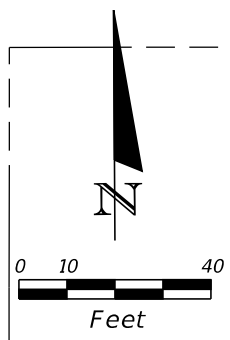
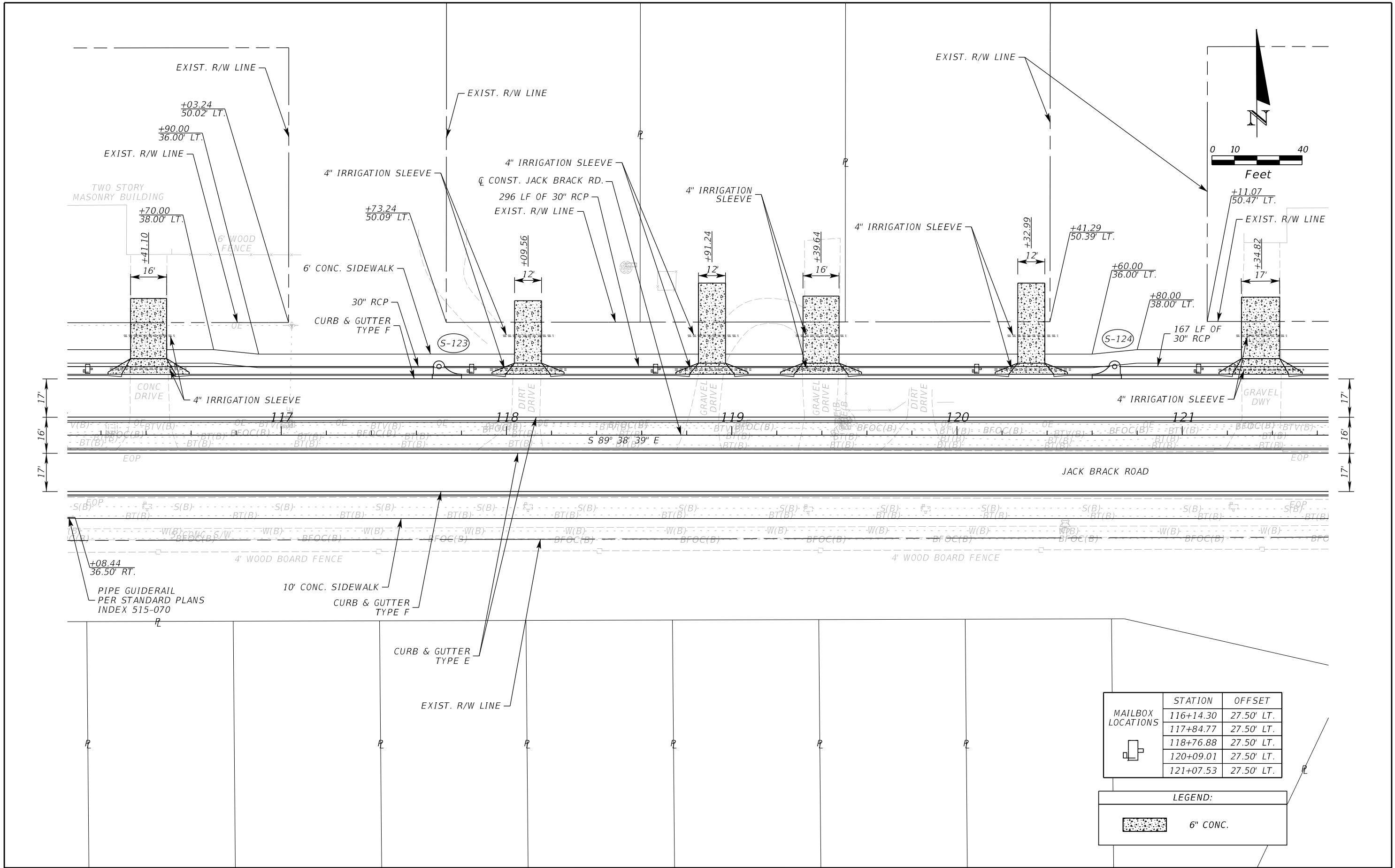
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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Kissimmee, Florida 34741-5488
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ROADWAY PLAN

SHEET NO.
44

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MAILBOX LOCATIONS	STATION	OFFSET
	116+14.30	27.50' LT.
	117+84.77	27.50' LT.
	118+76.88	27.50' LT.
	120+09.01	27.50' LT.
	121+07.53	27.50' LT.

LEGEND:

	6" CONC.
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REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

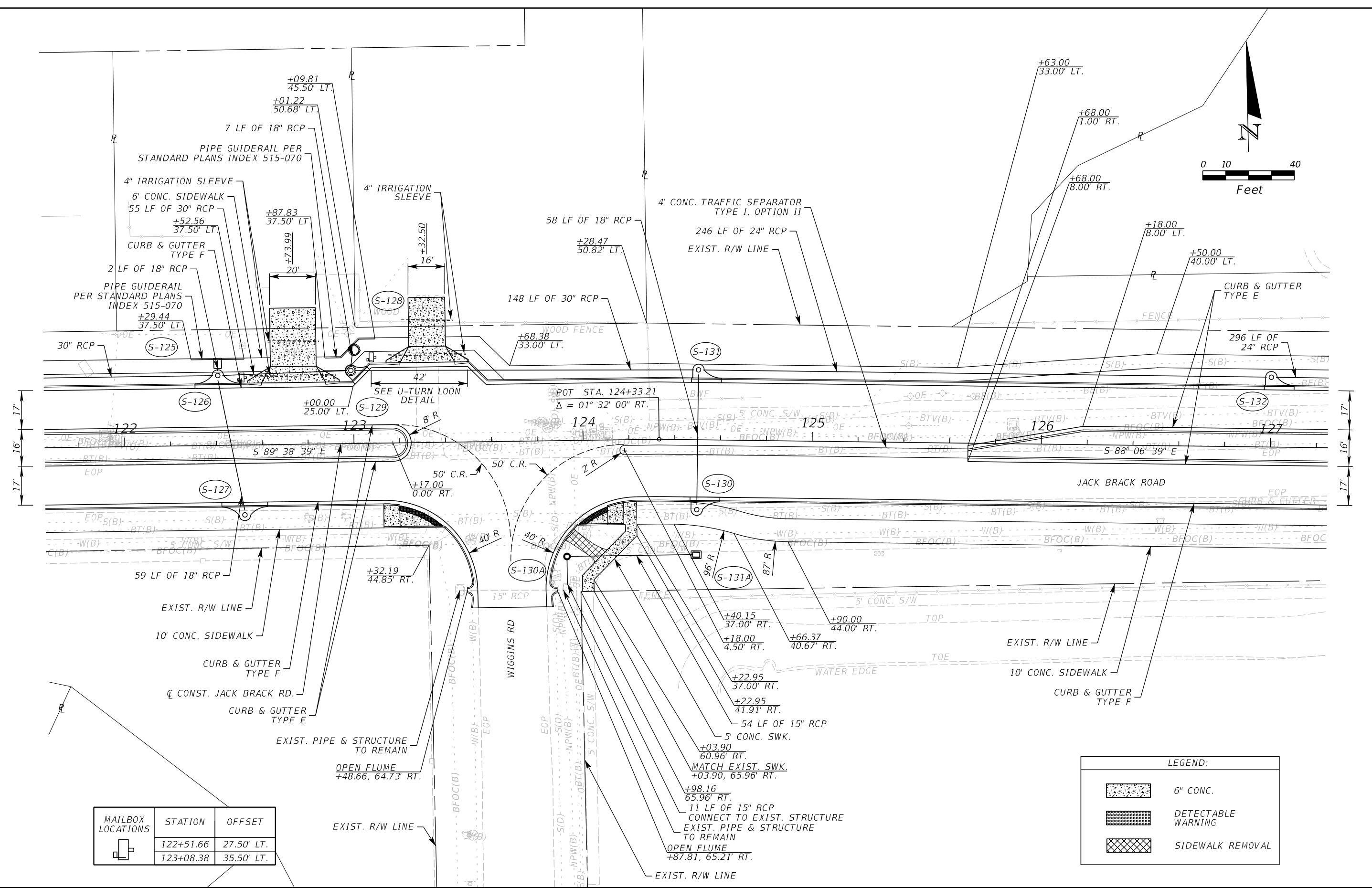
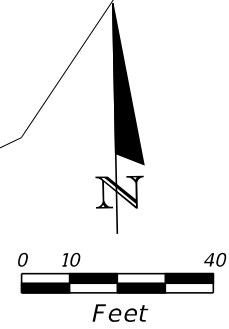
ENGINEER OF RECORD
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 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
45

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MAILBOX LOCATIONS	STATION	OFFSET
	122+51.66	27.50' LT.
	123+08.38	35.50' LT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

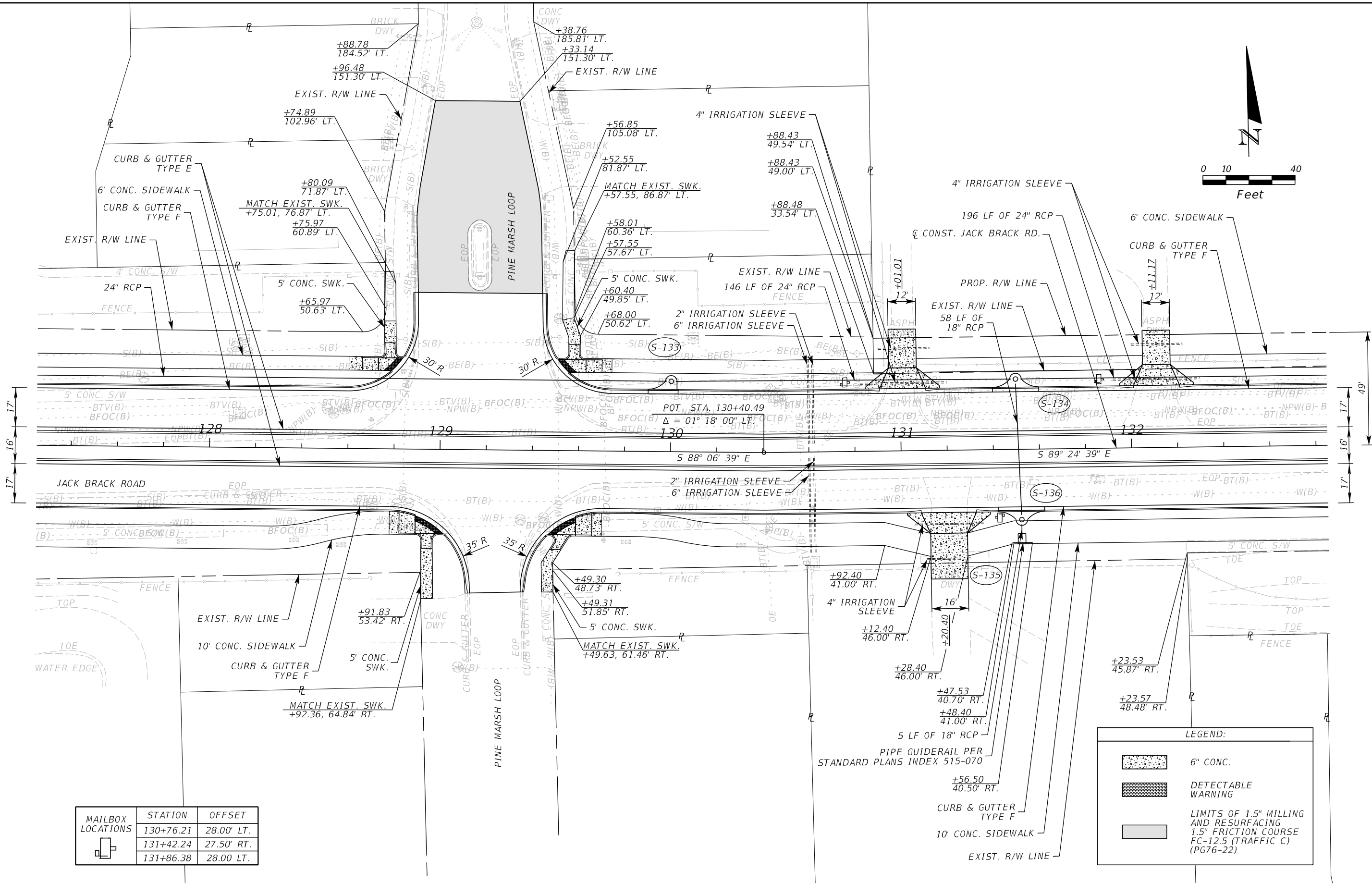
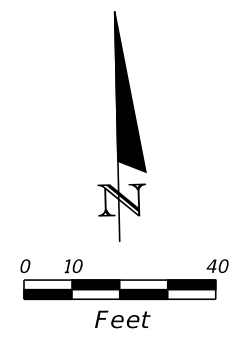
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

ROADWAY PLAN

SHEET NO.
46

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MAILBOX LOCATIONS	STATION	OFFSET
	130+76.21	28.00' LT.
	131+42.24	27.50' RT.
	131+86.38	28.00' LT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING
	LIMITS OF 1.5" MILLING AND RESURFACING 1.5" FRICTION COURSE FC-12.5 (TRAFFIC C) (PG76-22)

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

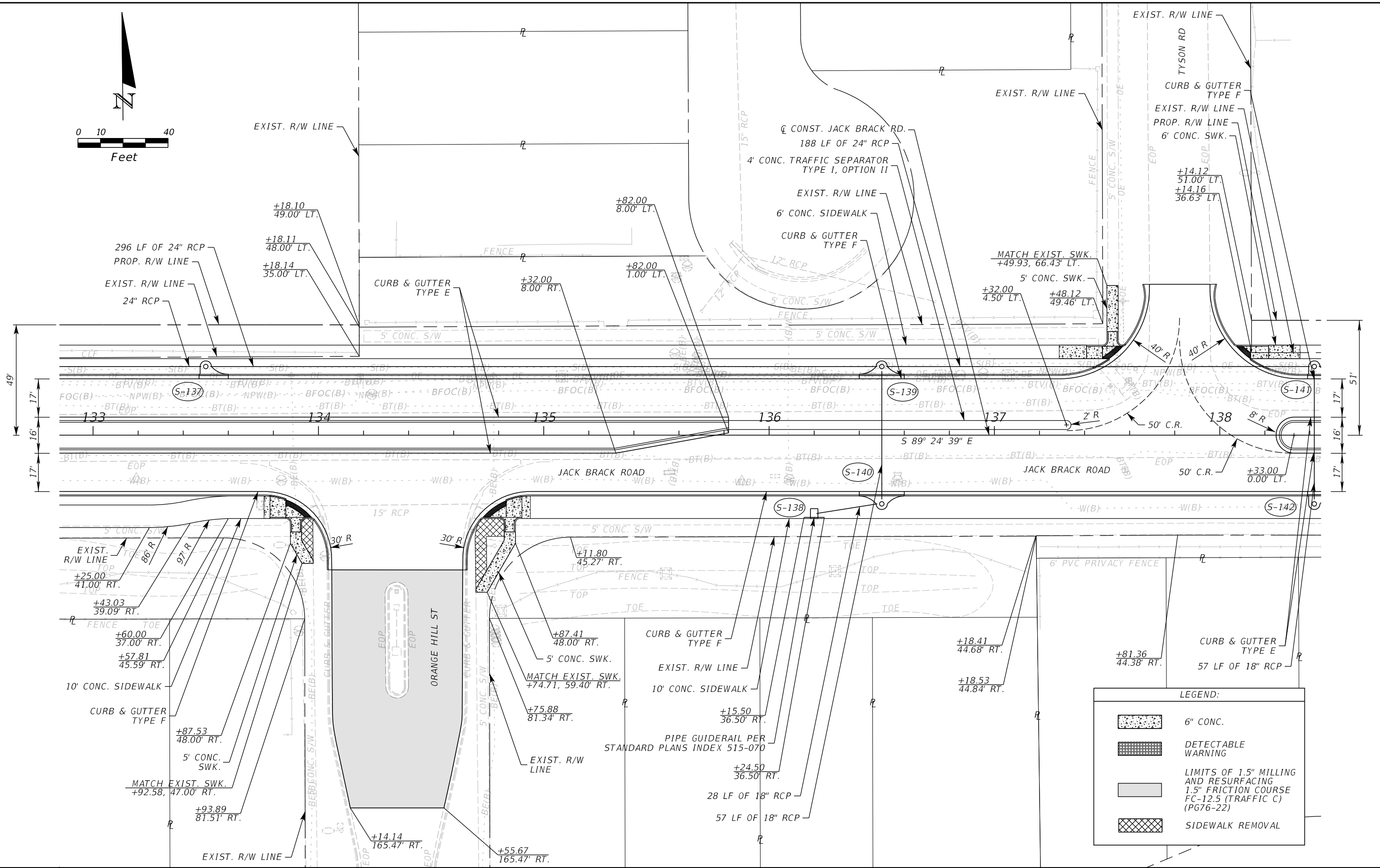
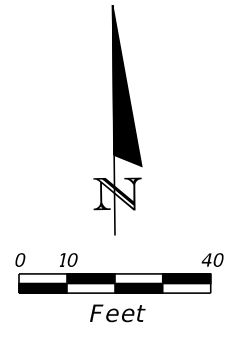
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
47

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

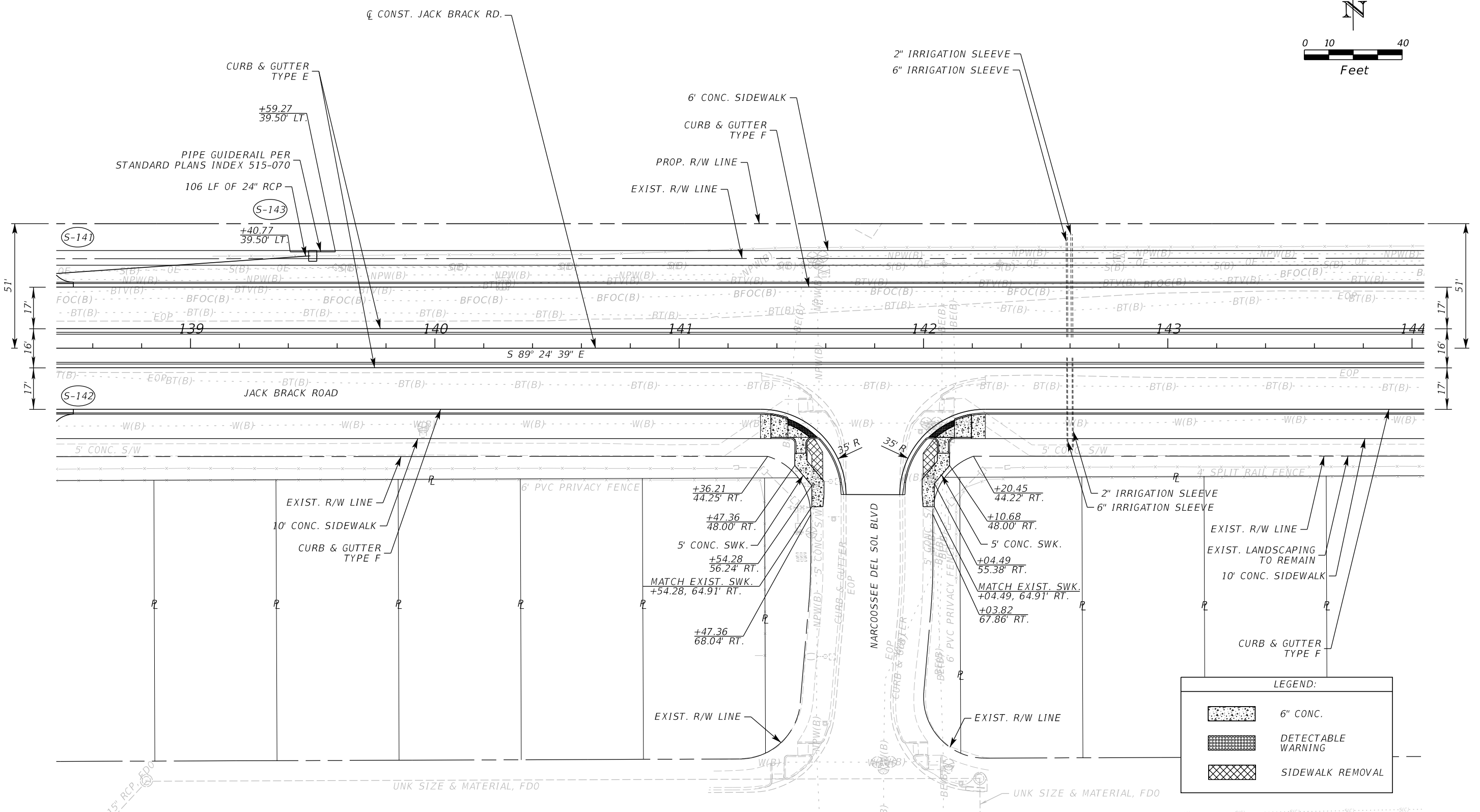
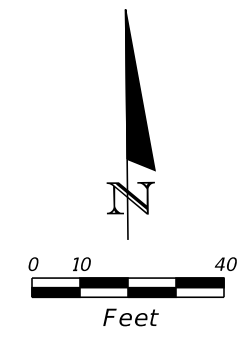
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
48

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LEGEND:

	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

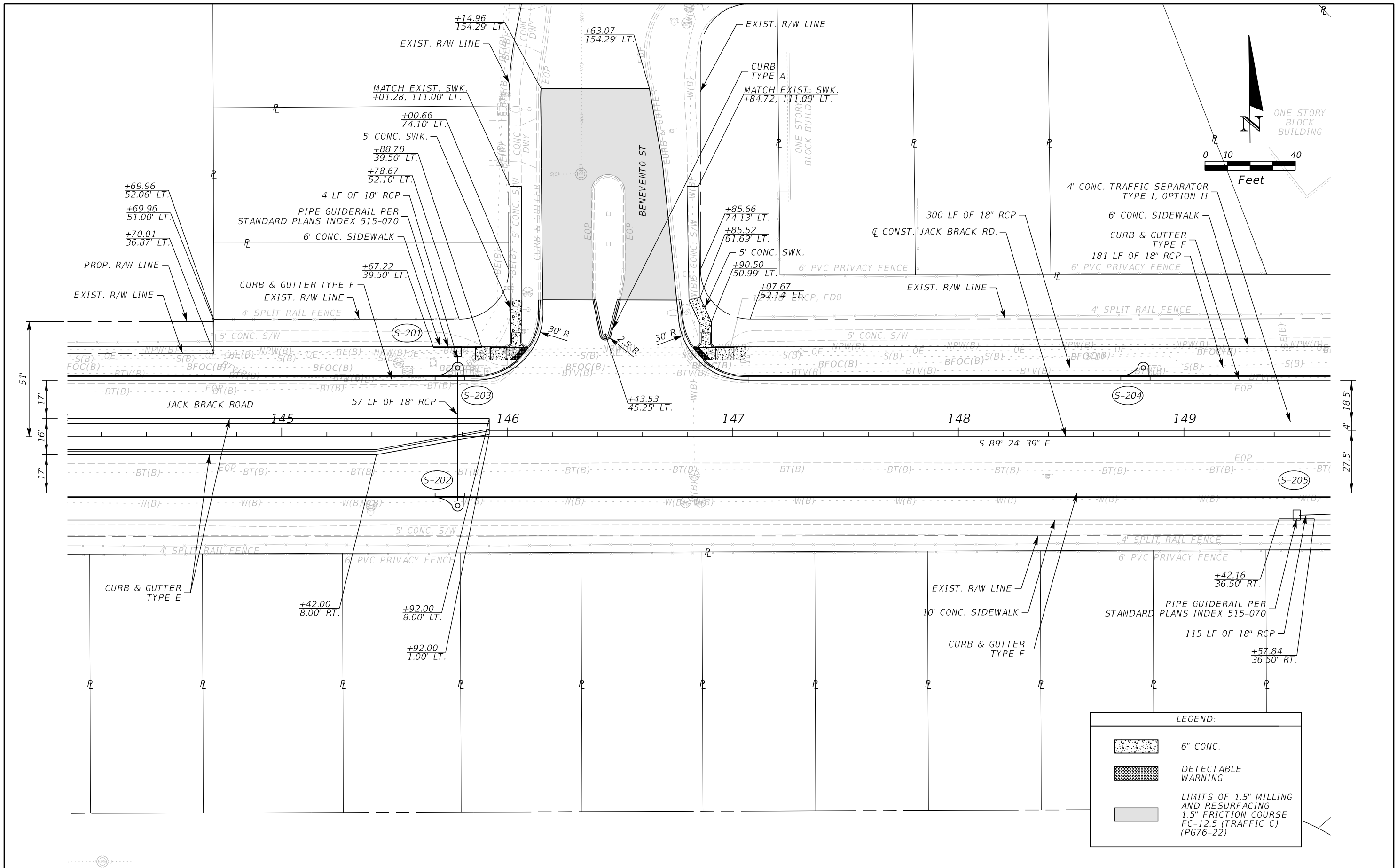
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
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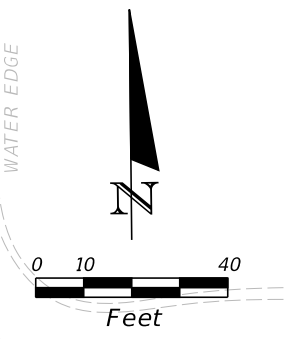
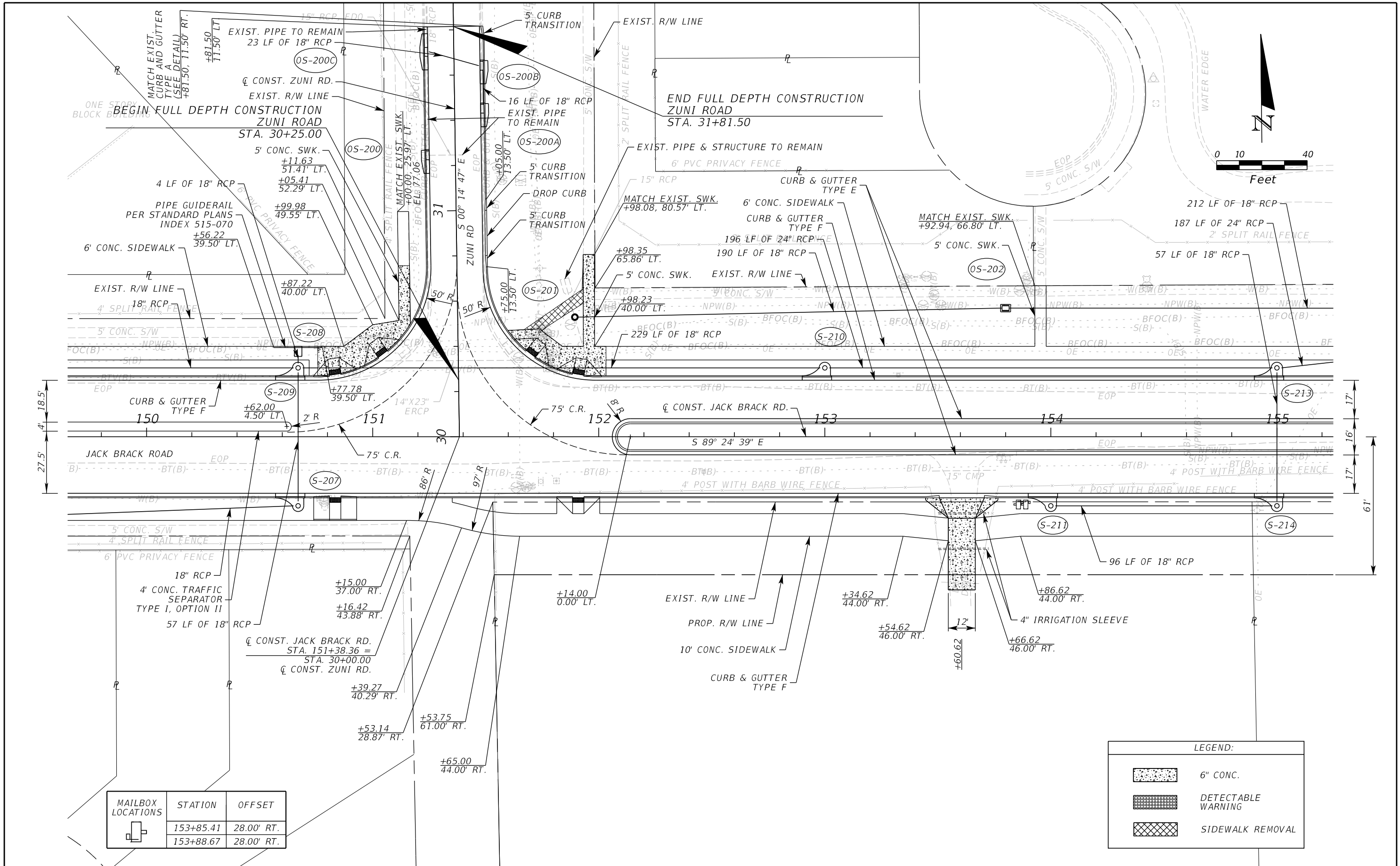
ROADWAY PLAN

SHEET NO.
49

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MAILBOX LOCATIONS	STATION	OFFSET
	153+85.41	28.00' RT.
	153+88.67	28.00' RT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

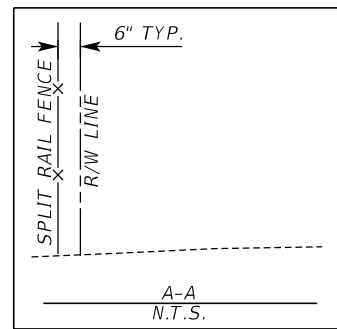
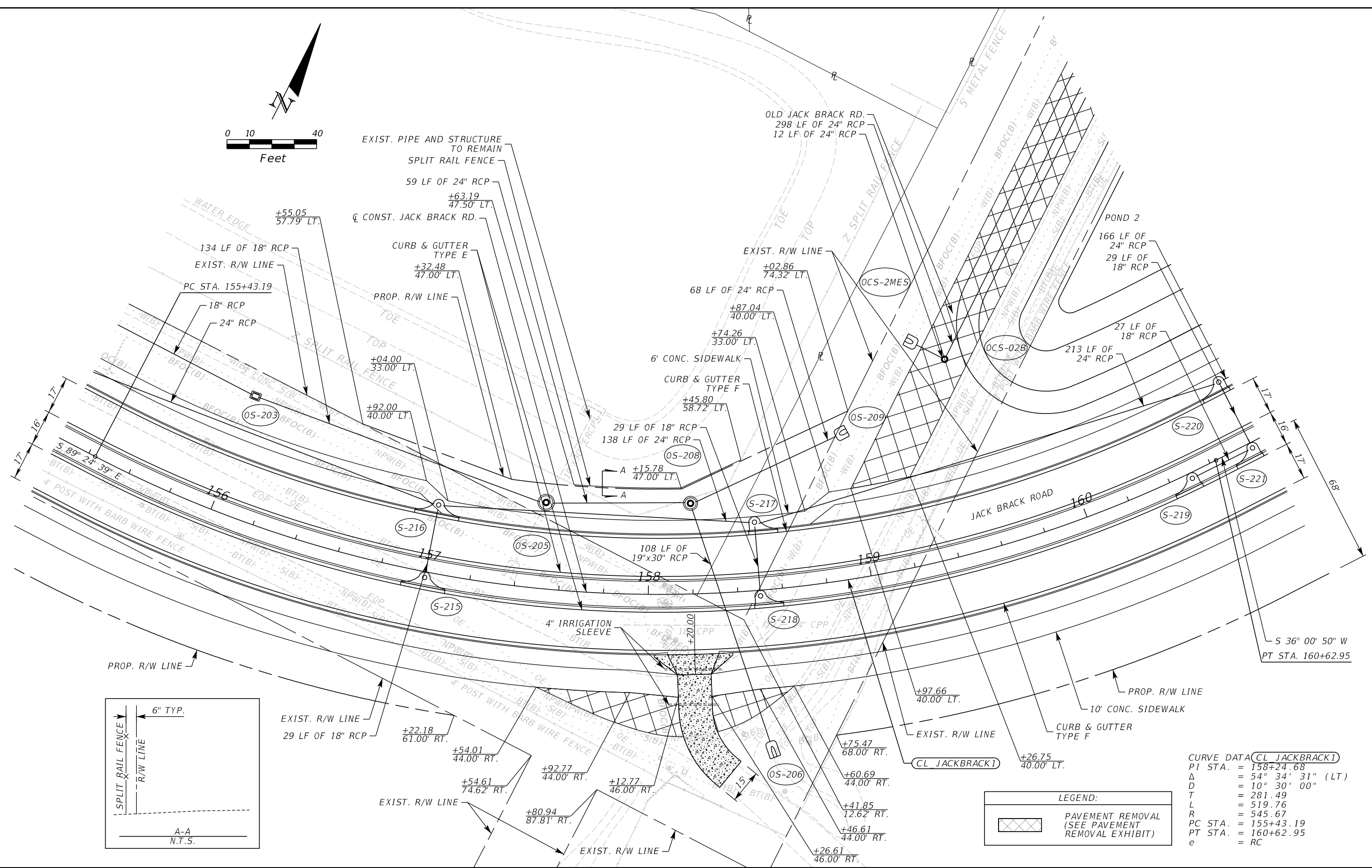
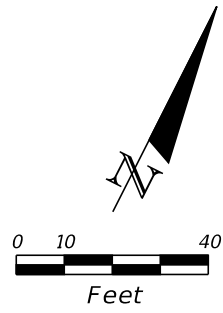
ENGINEER OF RECORD
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OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
51

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CURVE DATA (CL JACKBRACK1)

PI STA.	= 158+24.68
Δ	= 54° 34' 31" (LT)
D	= 10° 30' 00"
T	= 281.49
L	= 519.76
R	= 545.67
PC STA.	= 155+43.19
PT STA.	= 160+62.95
e	= RC

LEGEND:

	PAVEMENT REMOVAL (SEE PAVEMENT REMOVAL EXHIBIT)
--	---

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

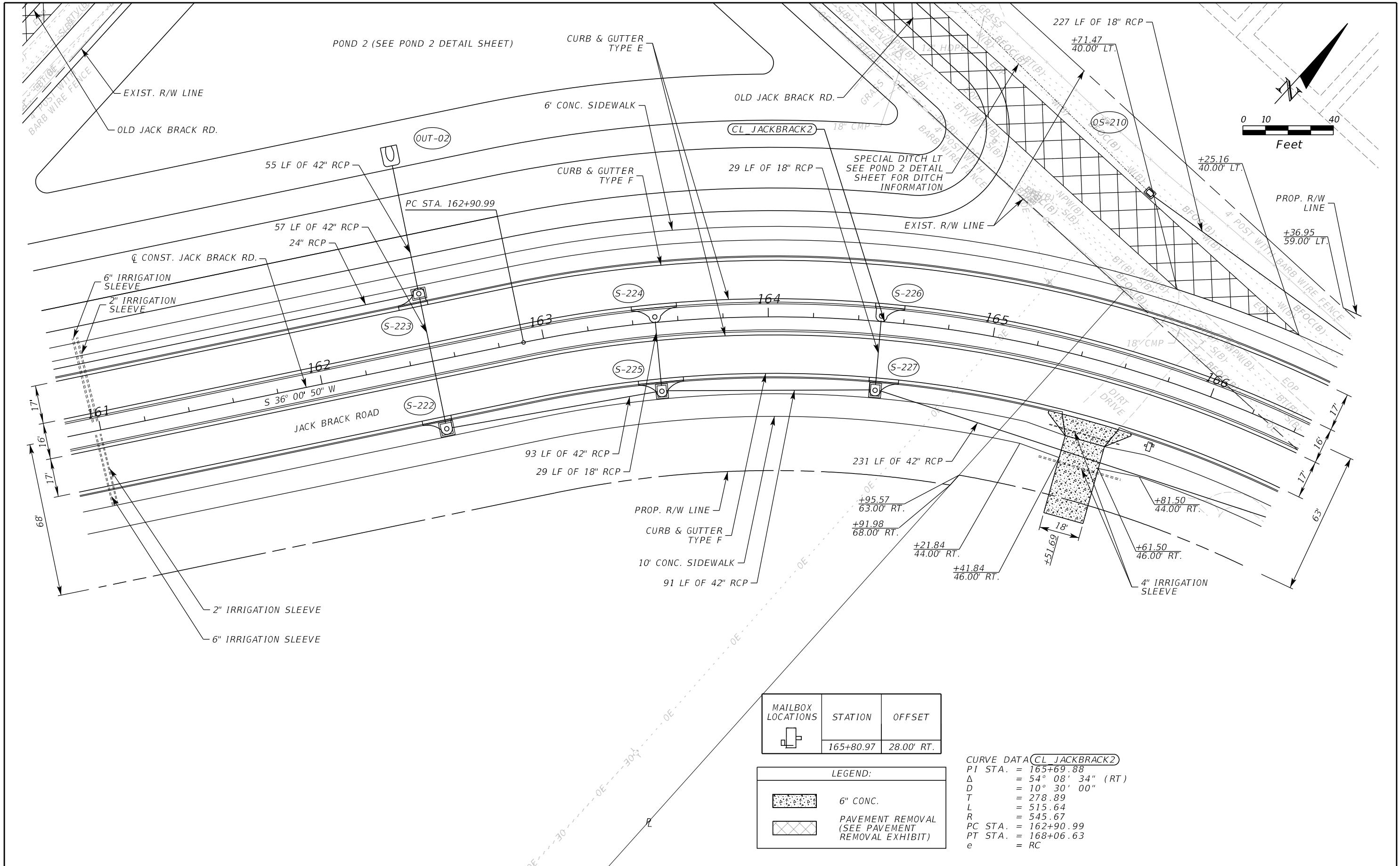
ENGINEER OF RECORD
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ROADWAY PLAN

SHEET NO.
52

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MAILBOX LOCATIONS	STATION	OFFSET
	165+80.97	28.00' RT.

LEGEND:	
	6" CONC.
	PAVEMENT REMOVAL (SEE PAVEMENT REMOVAL EXHIBIT)

CURVE DATA (CL JACKBRACK2)
 PI STA. = 165+69.88
 Δ = 54° 08' 34" (RT)
 D = 10° 30' 00"
 T = 278.89
 L = 515.64
 R = 545.67
 PC STA. = 162+90.99
 PT STA. = 168+06.63
 e = RC

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

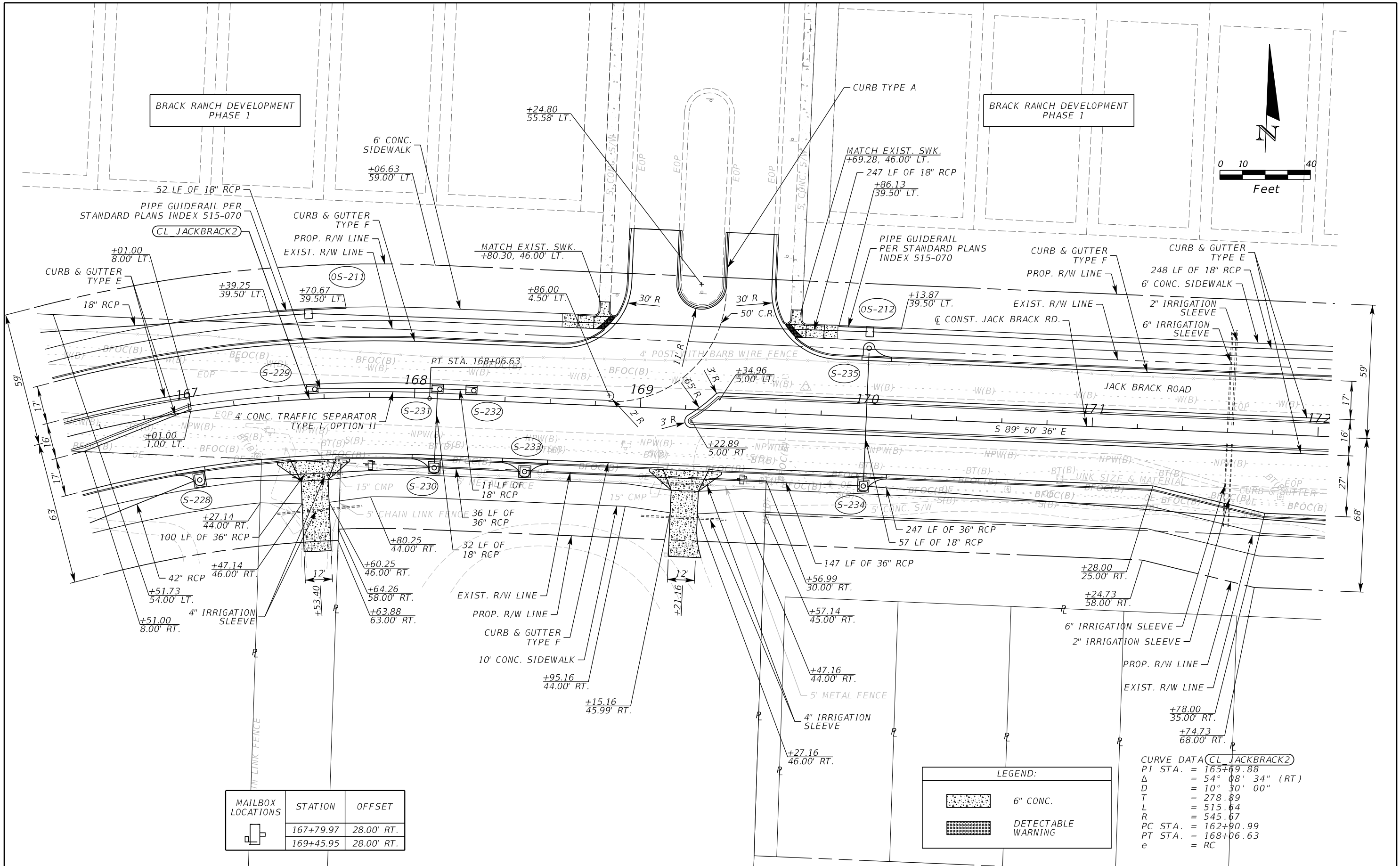
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
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 3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
53

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



MAILBOX LOCATIONS	STATION	OFFSET
	167+79.97	28.00' RT.
	169+45.95	28.00' RT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING

CURVE DATA (CL JACKBRACK2)	
PI STA.	= 165+69.88
Δ	= 54° 08' 34" (RT)
D	= 10° 30' 00"
T	= 278.89
L	= 515.64
R	= 545.67
PC STA.	= 162+90.99
PT STA.	= 168+06.63
e	= RC

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

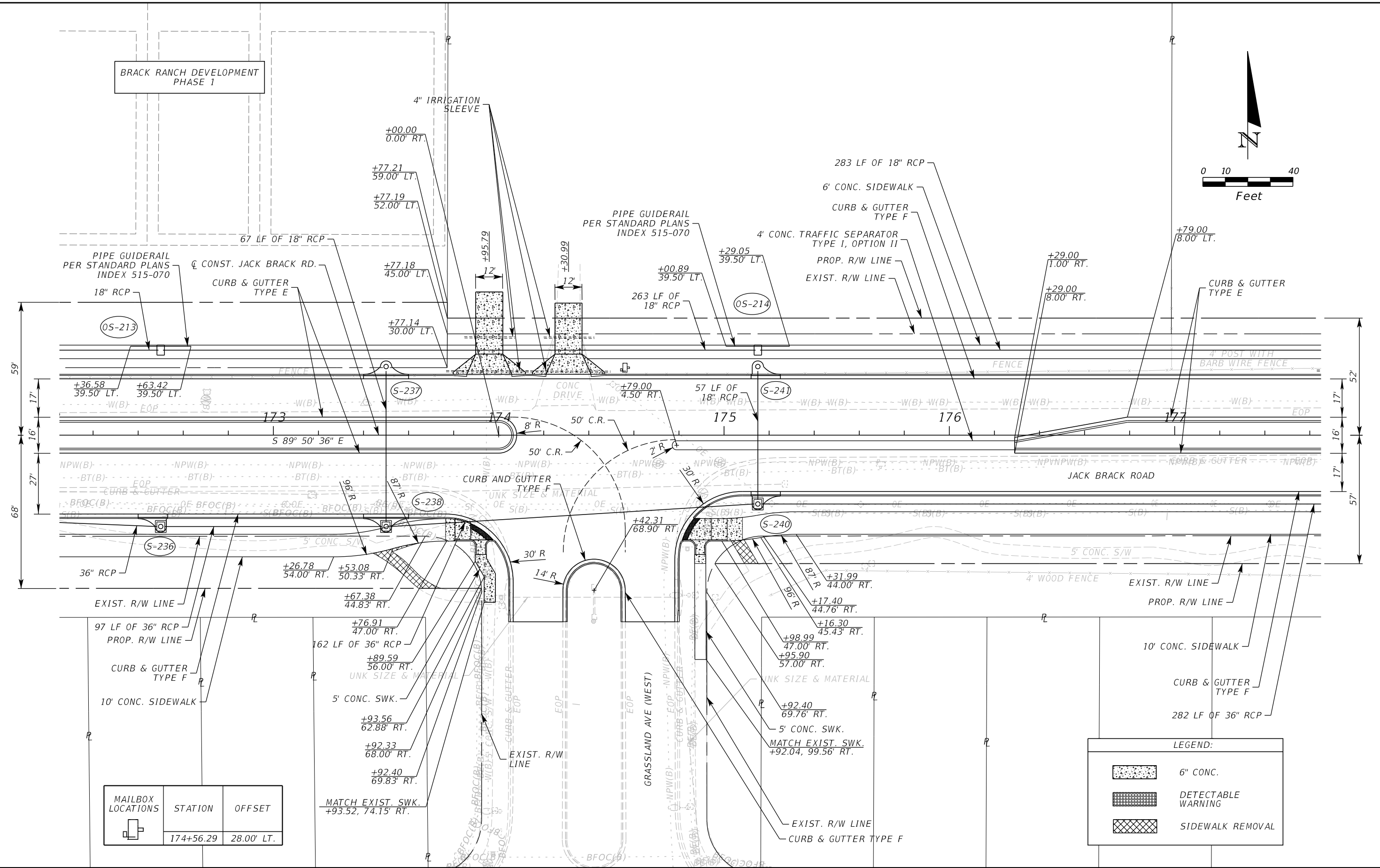
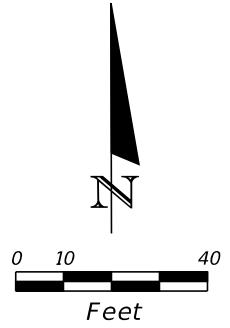
**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
54

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BRACK RANCH DEVELOPMENT
PHASE 1



MAILBOX LOCATIONS	STATION	OFFSET
	174+56.29	28.00' LT.

LEGEND:

	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

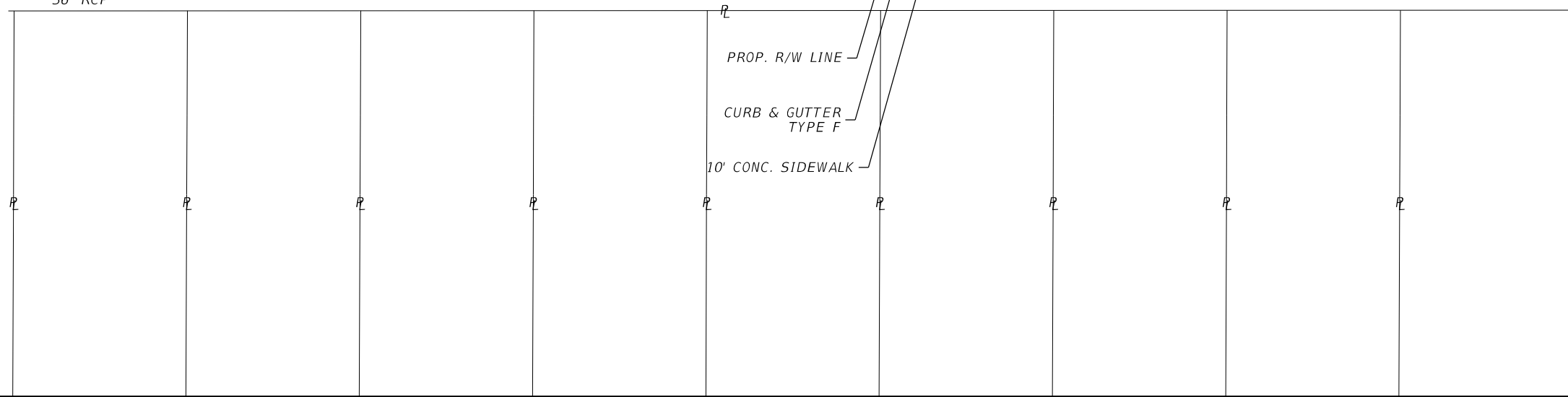
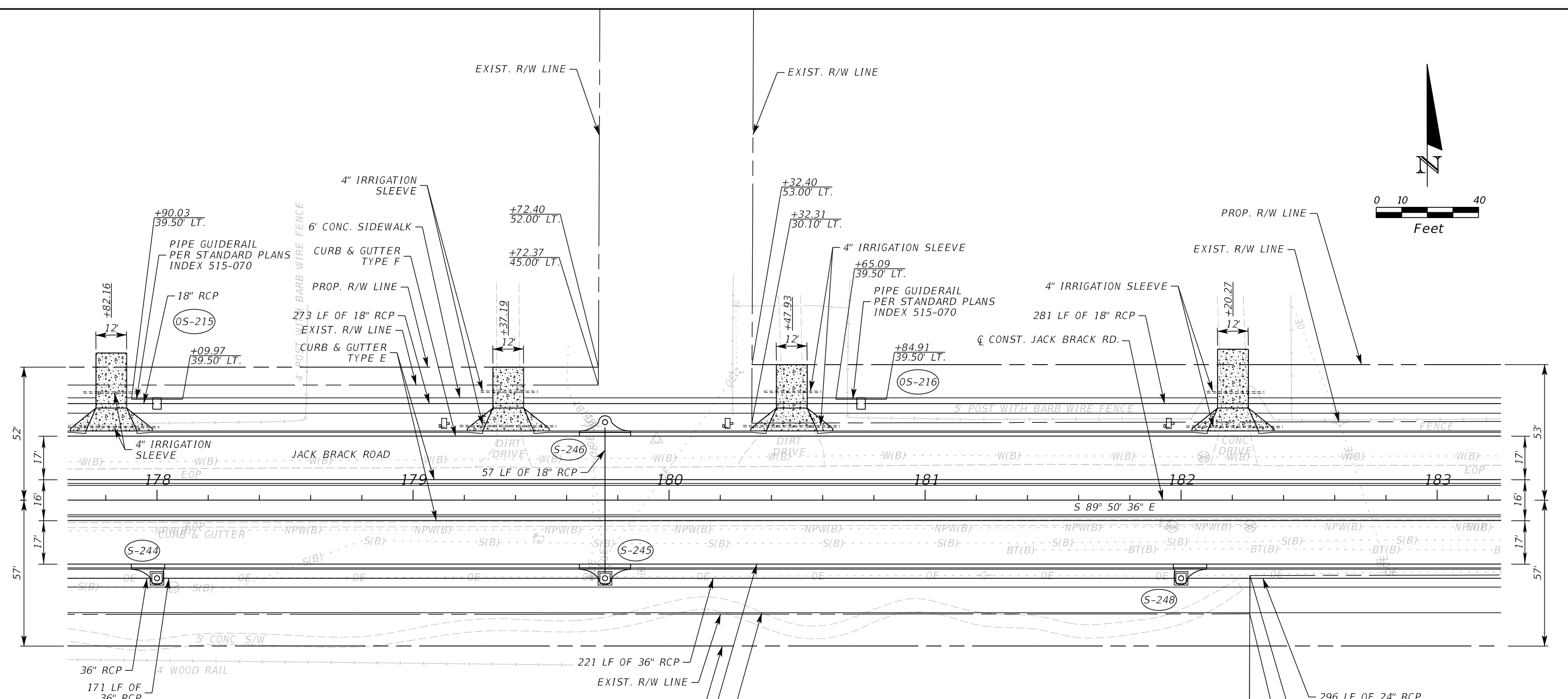
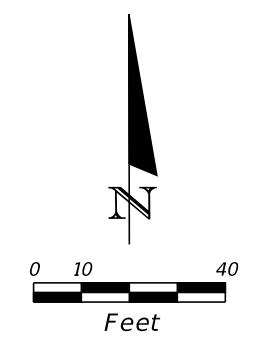
ENGINEER OF RECORD
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ROADWAY PLAN

SHEET NO.
55

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MAILBOX LOCATIONS	STATION	OFFSET
	179+12.40	28.00' LT.
	180+23.14	28.00' LT.
	181+95.48	28.00' LT.

LEGEND:	
	6" CONC.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

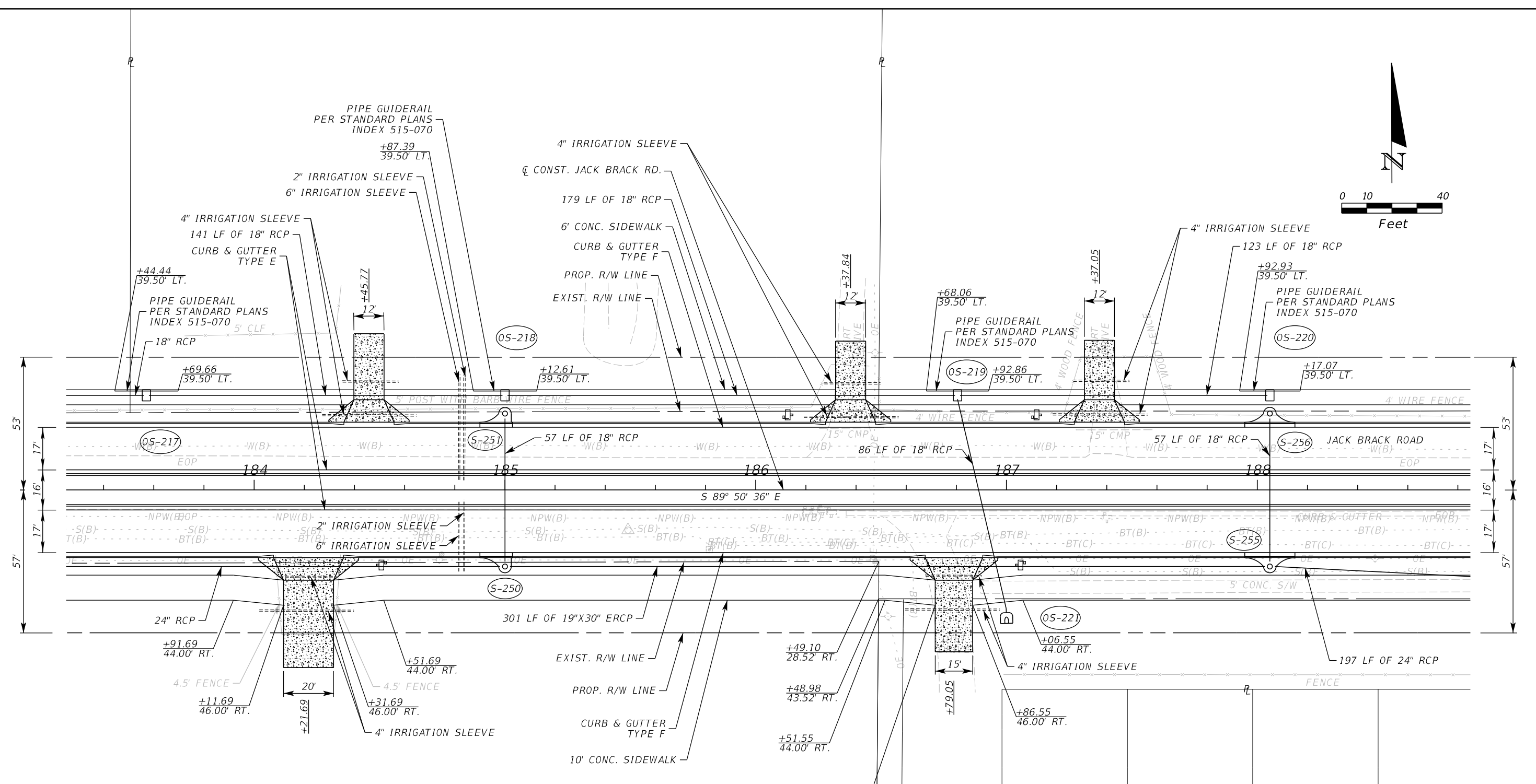
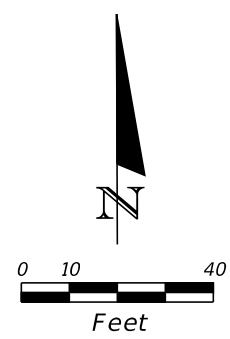
ENGINEER OF RECORD
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**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
56

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



MAILBOX LOCATIONS	STATION	OFFSET
	184+50.49	28.00' RT.
	186+13.04	28.00' LT.
	187+05.34	28.00' RT.
	187+12.26	28.00' LT.

LEGEND:

	6" CONC.
--	----------

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

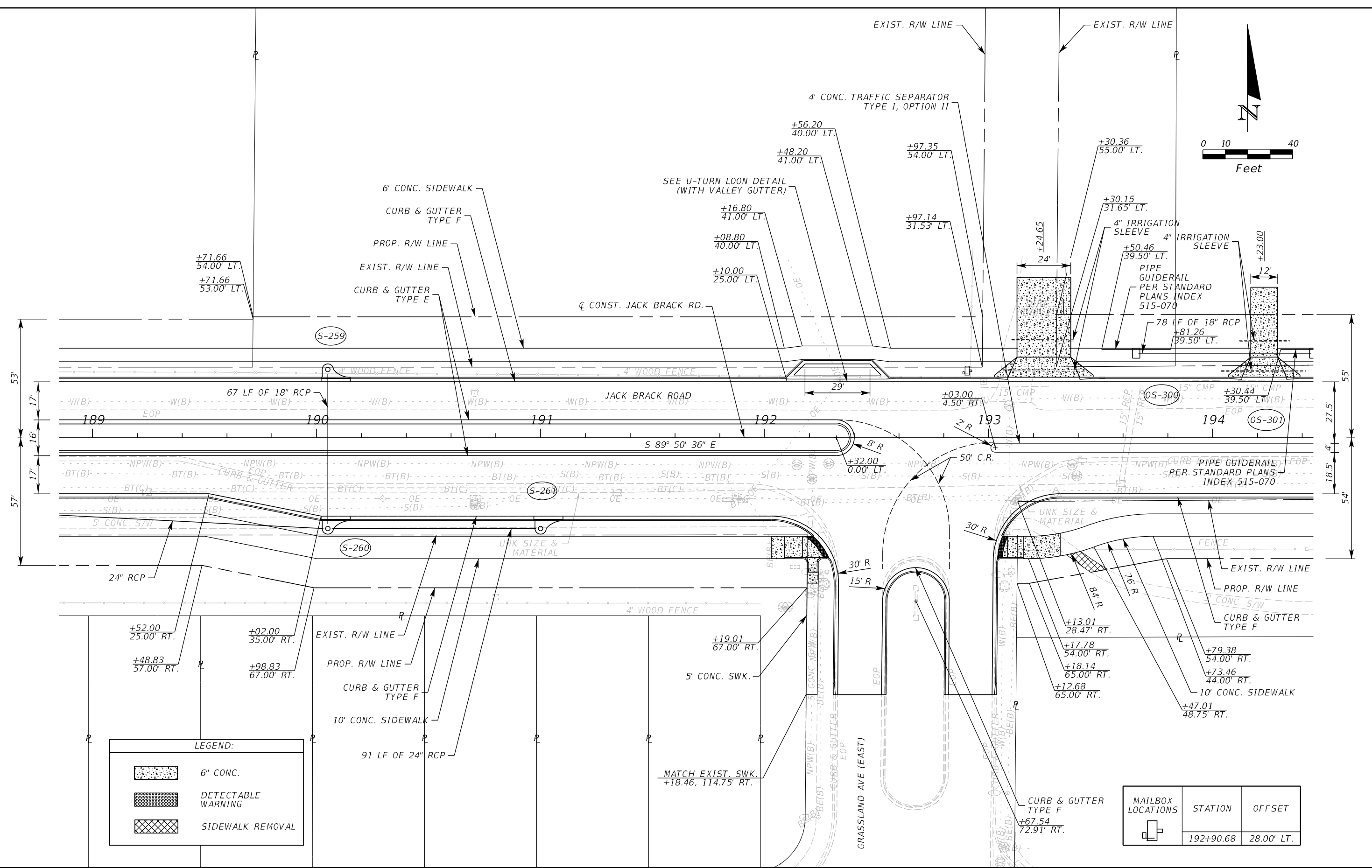
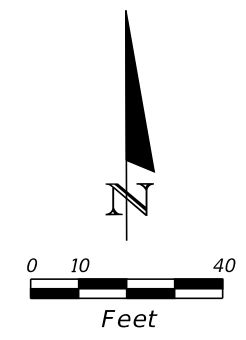
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
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OSCEOLA COUNTY
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ROADWAY PLAN

SHEET NO.
57

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LEGEND:

	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

MAILBOX LOCATIONS	STATION	OFFSET
	192+90.68	28.00' LT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

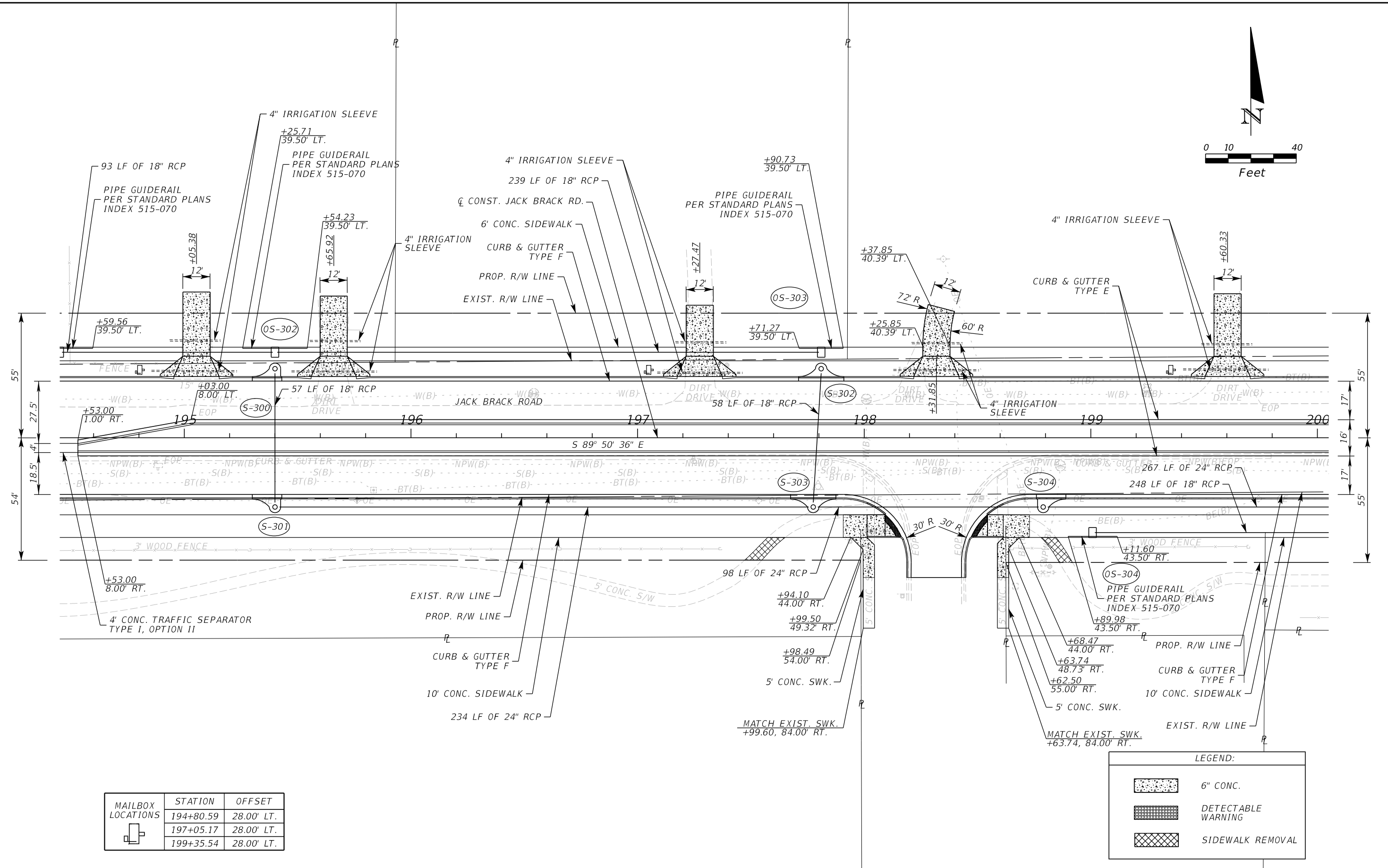
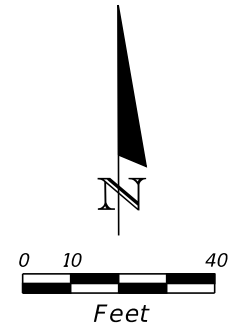
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ROADWAY PLAN

SHEET
NO.
58

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MAILBOX LOCATIONS	STATION	OFFSET
	194+80.59	28.00' LT.
	197+05.17	28.00' LT.
	199+35.54	28.00' LT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

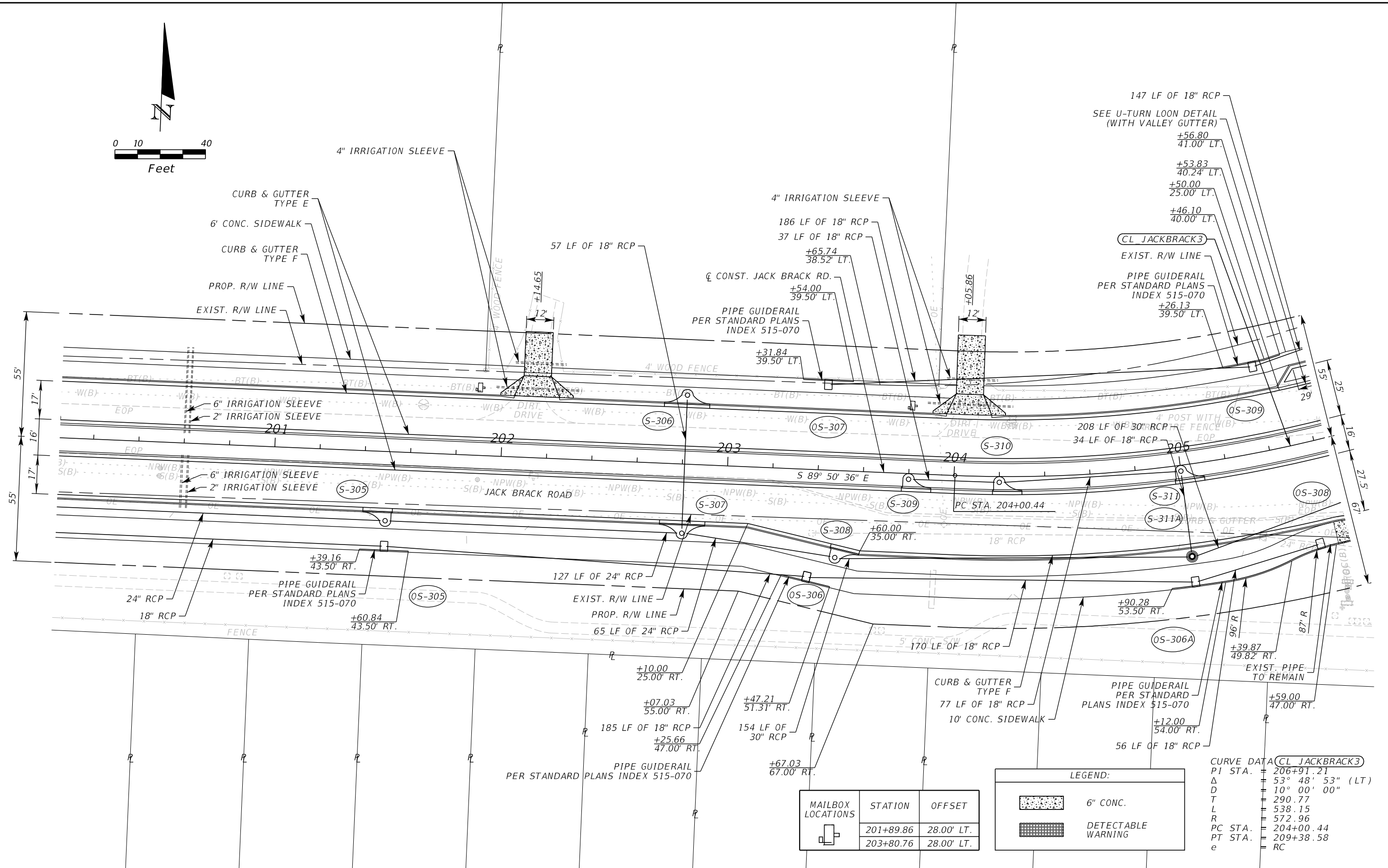
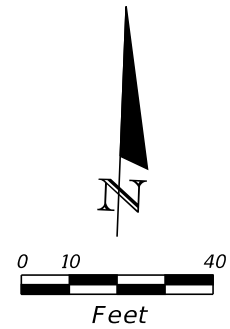
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ROADWAY PLAN

SHEET NO.
59

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MAILBOX LOCATIONS	STATION	OFFSET
	201+89.86	28.00' LT.
	203+80.76	28.00' LT.

LEGEND:	
6" CONC.	
	DETECTABLE WARNING

CURVE DATA (CL JACKBRACK3)	
PI STA.	206+91.21
Δ	53° 48' 53" (LT)
D	10° 00' 00"
T	290.77
L	538.15
R	572.96
PC STA.	204+00.44
PT STA.	209+38.58
e	RC

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

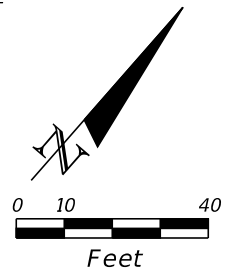
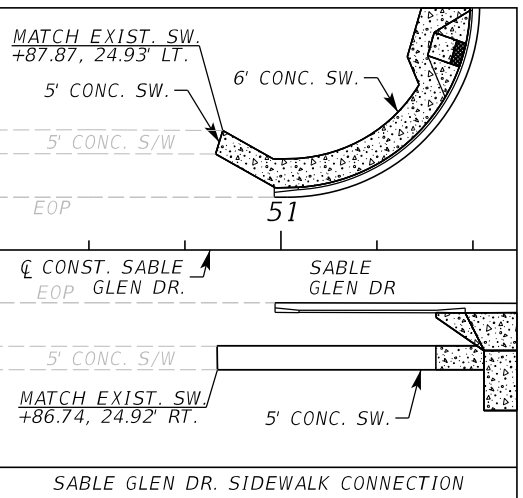
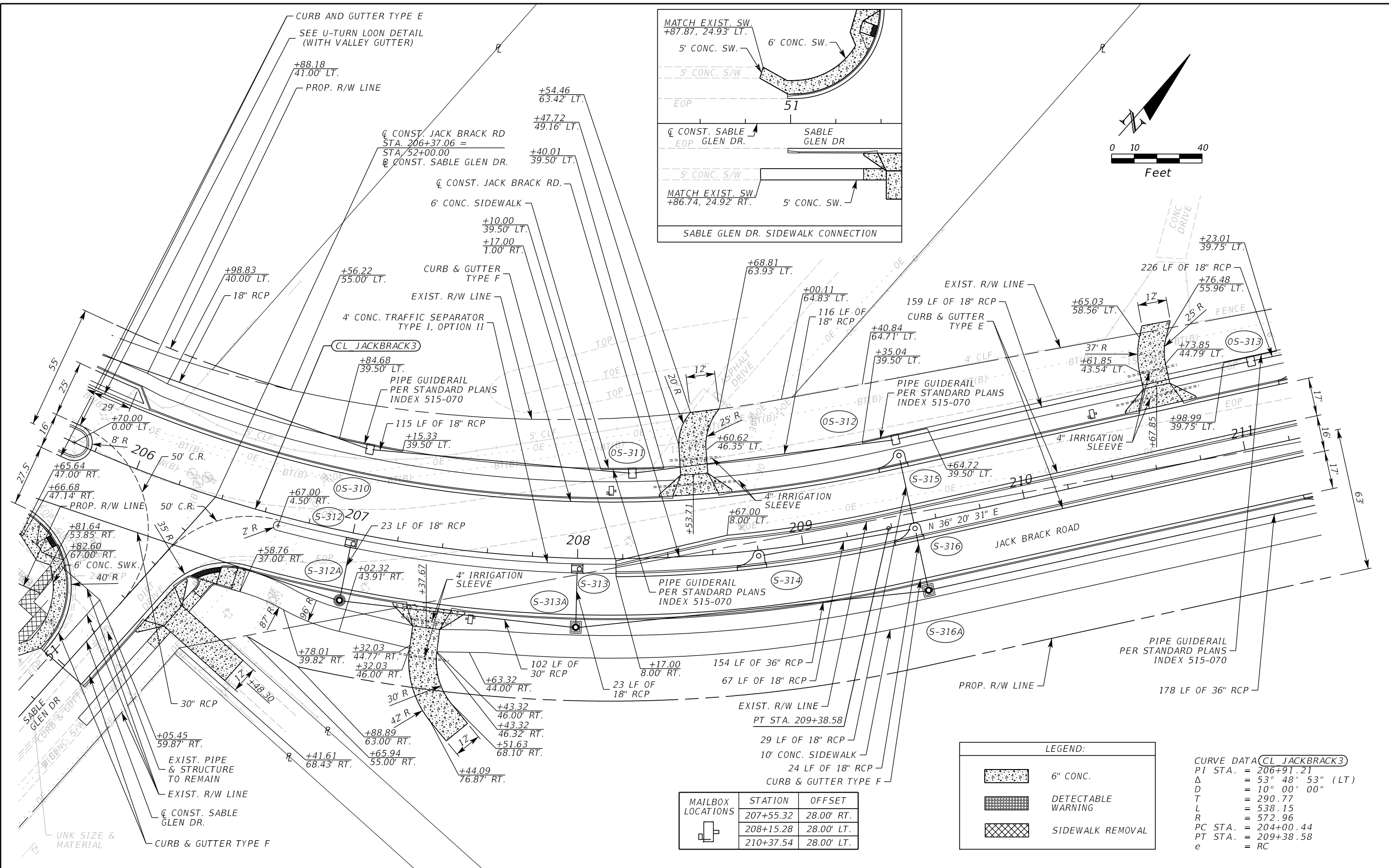
ENGINEER OF RECORD
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ROADWAY PLAN

SHEET NO.
60

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LEGEND:

	6" CONC.
	DETECTABLE WARNING
	SIDEWALK REMOVAL

CURVE DATA (CL JACKBRACK3)

PI STA.	= 206+91.21
Δ	= 53° 48' 53" (LT)
D	= 10° 00' 00"
T	= 290.77
L	= 538.15
R	= 572.96
PC STA.	= 204+00.44
PT STA.	= 209+38.58
e	= RC

MAILBOX LOCATIONS

STATION	OFFSET
207+55.32	28.00' RT.
208+15.28	28.00' LT.
210+37.54	28.00' LT.

REVISIONS

DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

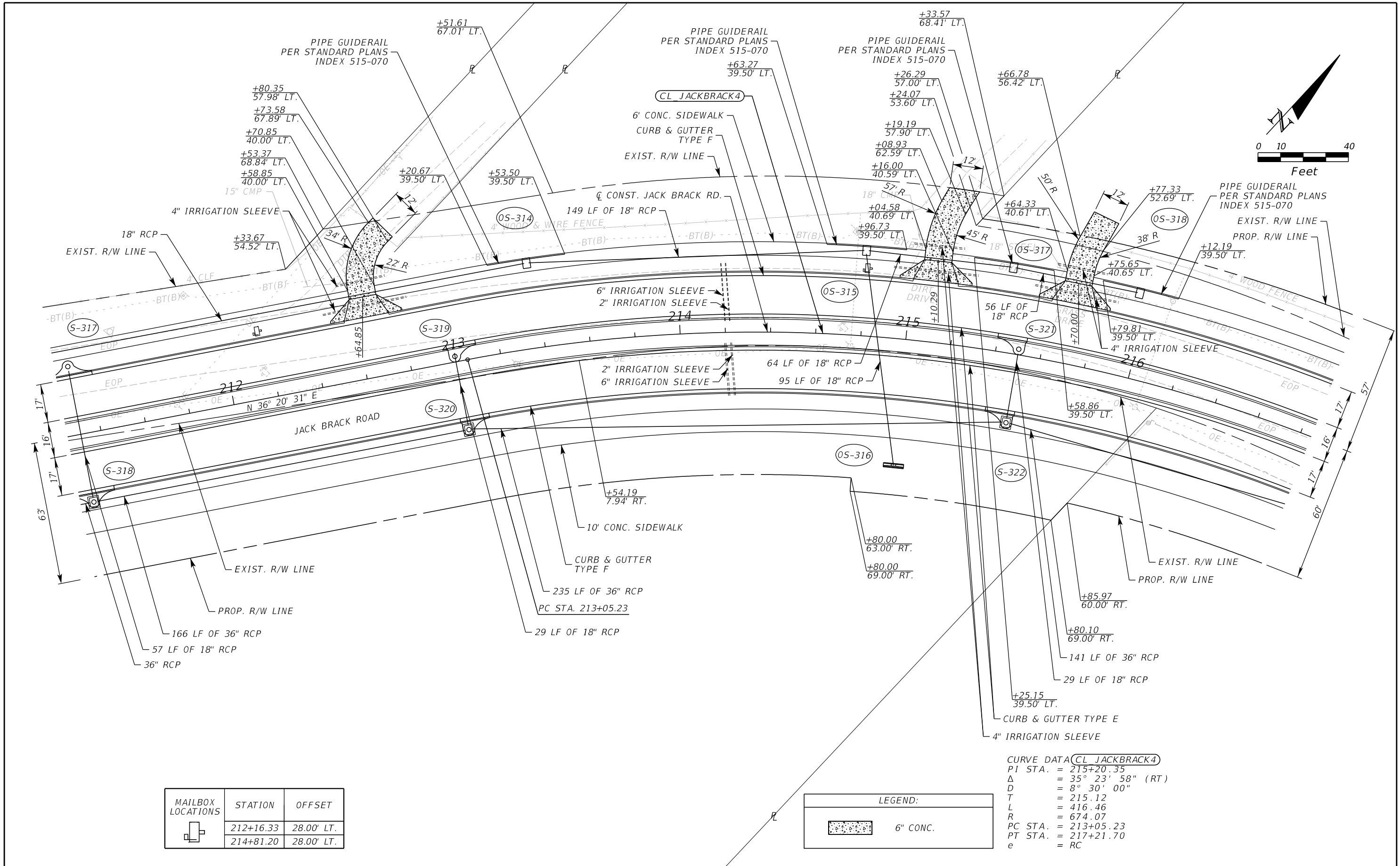
ENGINEER OF RECORD
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
**OSCEOLA COUNTY
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Kissimmee, Florida 34741-5488
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ROADWAY PLAN

SHEET NO.
61

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MAILBOX LOCATIONS	STATION	OFFSET
	212+16.33	28.00' LT.
	214+81.20	28.00' LT.

LEGEND:	
	6" CONC.

CURVE DATA (CL JACKBRACK4)
 PI STA. = 215+20.35
 Δ = 35° 23' 58" (RT)
 D = 8° 30' 00"
 T = 215.12
 L = 416.46
 R = 674.07
 PC STA. = 213+05.23
 PT STA. = 217+21.70
 e = RC

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

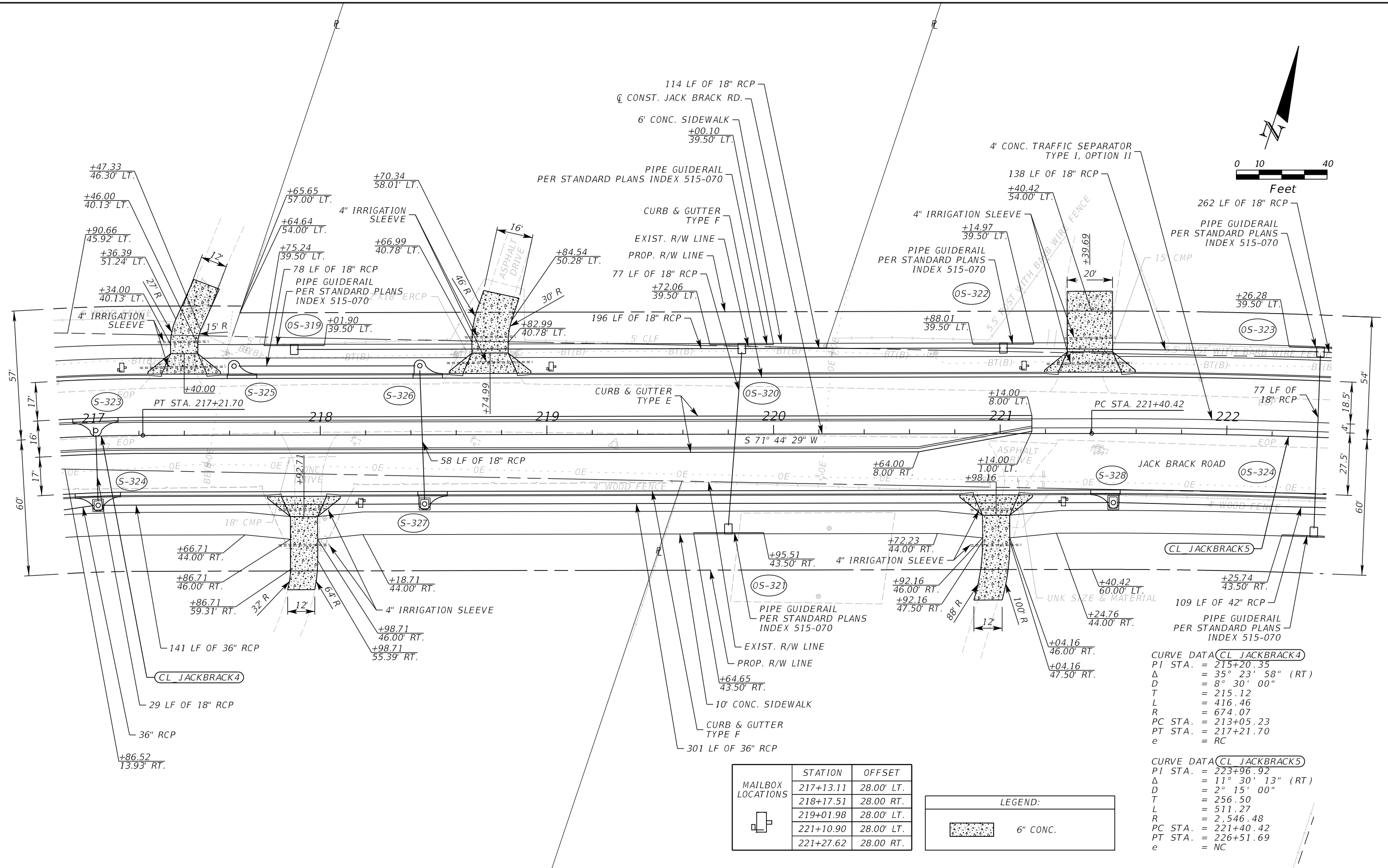
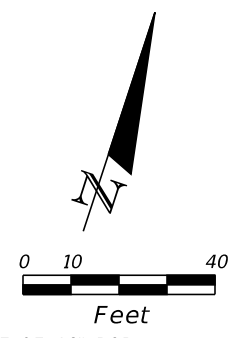
ENGINEER OF RECORD
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ROADWAY PLAN

SHEET NO.
62

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CURVE DATA (CL JACKBRACK4)
 PI STA. = 215+20.35
 Δ = 35° 23' 58" (RT)
 D = 8° 30' 00"
 T = 215.12
 L = 416.46
 R = 674.07
 PC STA. = 213+05.23
 PT STA. = 217+21.70
 e = RC

CURVE DATA (CL JACKBRACK5)
 PI STA. = 223+96.92
 Δ = 11° 30' 13" (RT)
 D = 2° 15' 00"
 T = 256.50
 L = 511.27
 R = 2,546.48
 PC STA. = 221+40.42
 PT STA. = 226+51.69
 e = NC

MAILBOX LOCATIONS	STATION	OFFSET
	217+13.11	28.00' LT.
	218+17.51	28.00' RT.
	219+01.98	28.00' LT.
	221+10.90	28.00' LT.
	221+27.62	28.00' RT.

LEGEND:	
	6" CONC.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

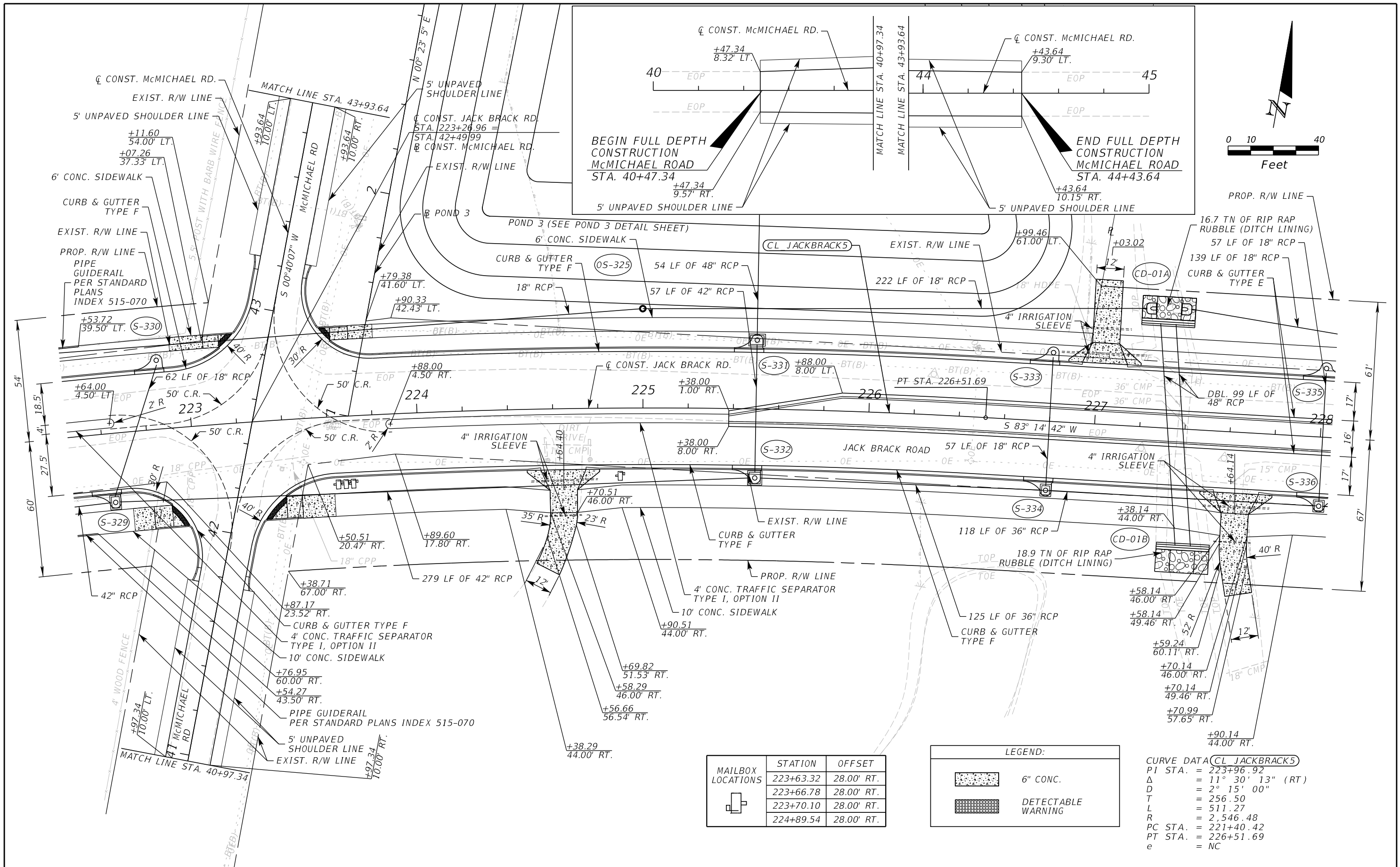
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

ROADWAY PLAN

SHEET NO.
63

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MAILBOX LOCATIONS	STATION	OFFSET
	223+63.32	28.00' RT.
	223+66.78	28.00' RT.
	223+70.10	28.00' RT.
	224+89.54	28.00' RT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING

CURVE DATA (CL JACKBRACK5)
 PI STA. = 223+96.92
 Δ = 11° 30' 13" (RT)
 D = 2° 15' 00"
 T = 256.50
 L = 511.27
 R = 2,546.48
 PC STA. = 221+40.42
 PT STA. = 226+51.69
 e = NC

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

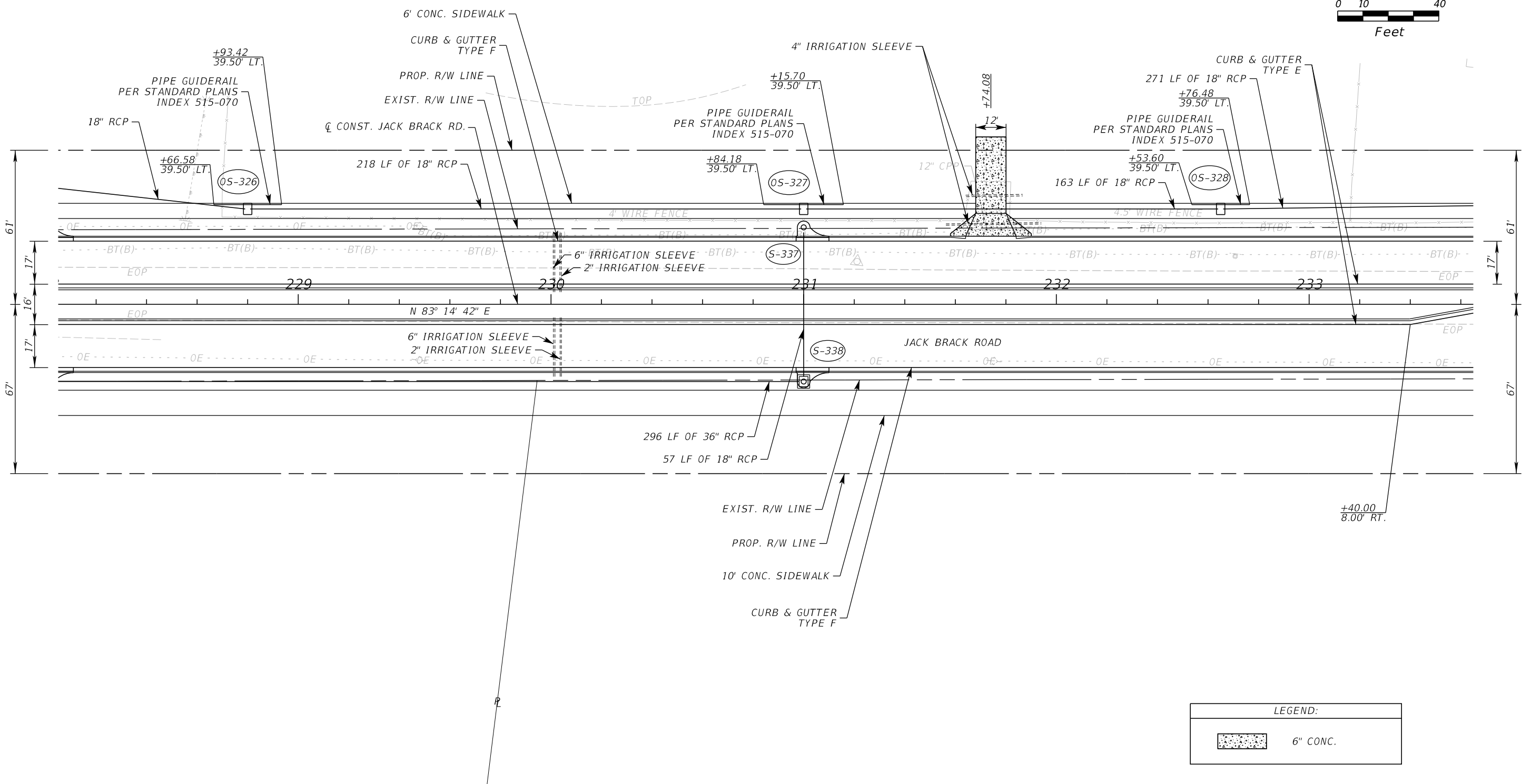
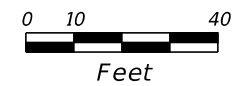
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765


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ENGINEERING DEPARTMENT**
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ROADWAY PLAN

SHEET
NO.
64

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LEGEND:	
	6" CONC.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

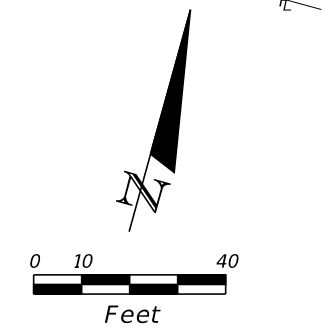
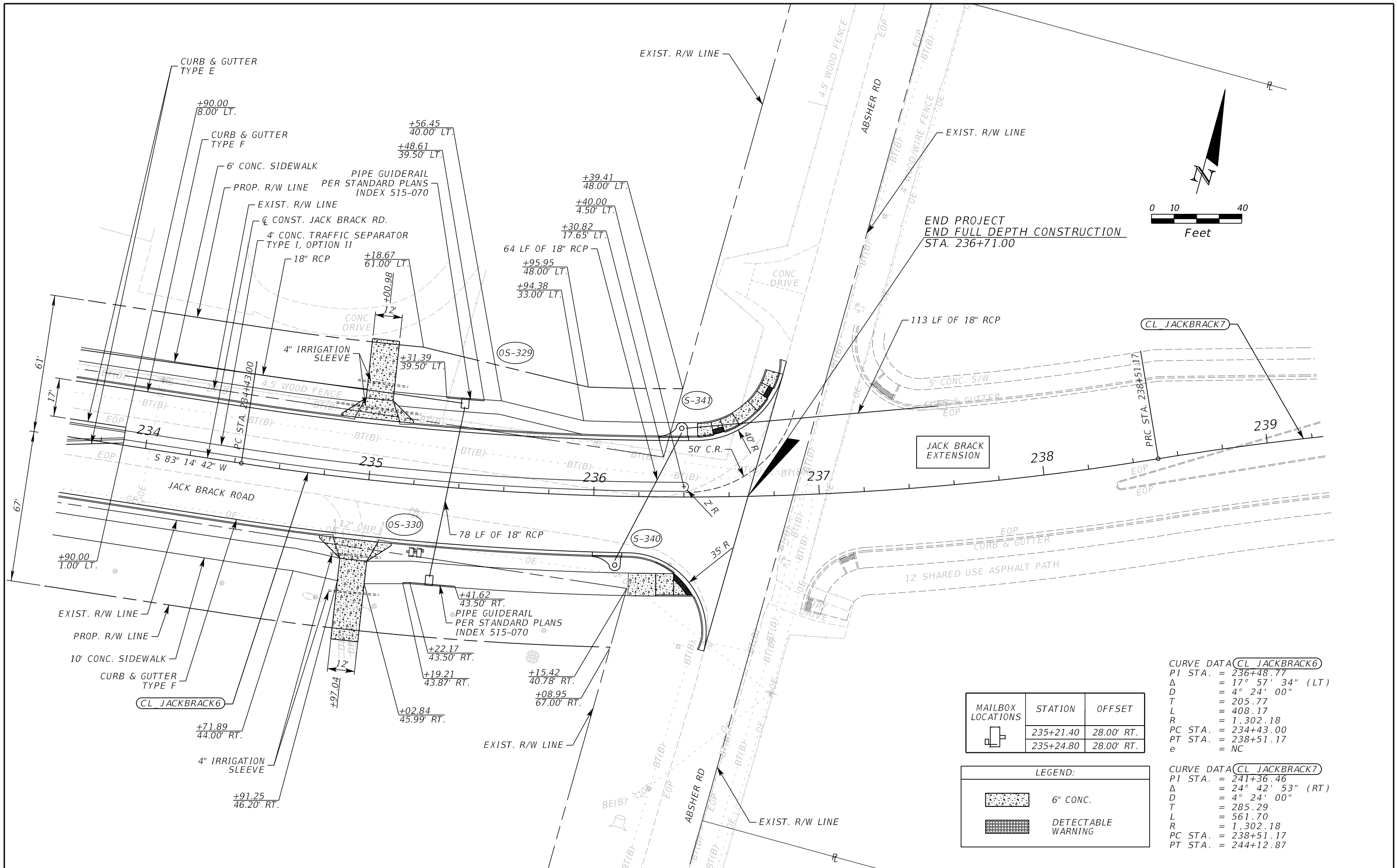
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
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ROADWAY PLAN

SHEET
NO.
65

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MAILBOX LOCATIONS	STATION	OFFSET
	235+21.40	28.00' RT.
	235+24.80	28.00' RT.

LEGEND:	
	6" CONC.
	DETECTABLE WARNING

CURVE DATA (CL JACKBRACK6)
 PI STA. = 236+48.77
 Δ = 17° 57' 34" (LT)
 D = 4° 24' 00"
 T = 205.77
 L = 408.17
 R = 1,302.18
 PC STA. = 234+43.00
 PT STA. = 238+51.17
 e = NC

CURVE DATA (CL JACKBRACK7)
 PI STA. = 241+36.46
 Δ = 24° 42' 53" (RT)
 D = 4° 24' 00"
 T = 285.29
 L = 561.70
 R = 1,302.18
 PC STA. = 238+51.17
 PT STA. = 244+12.87

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

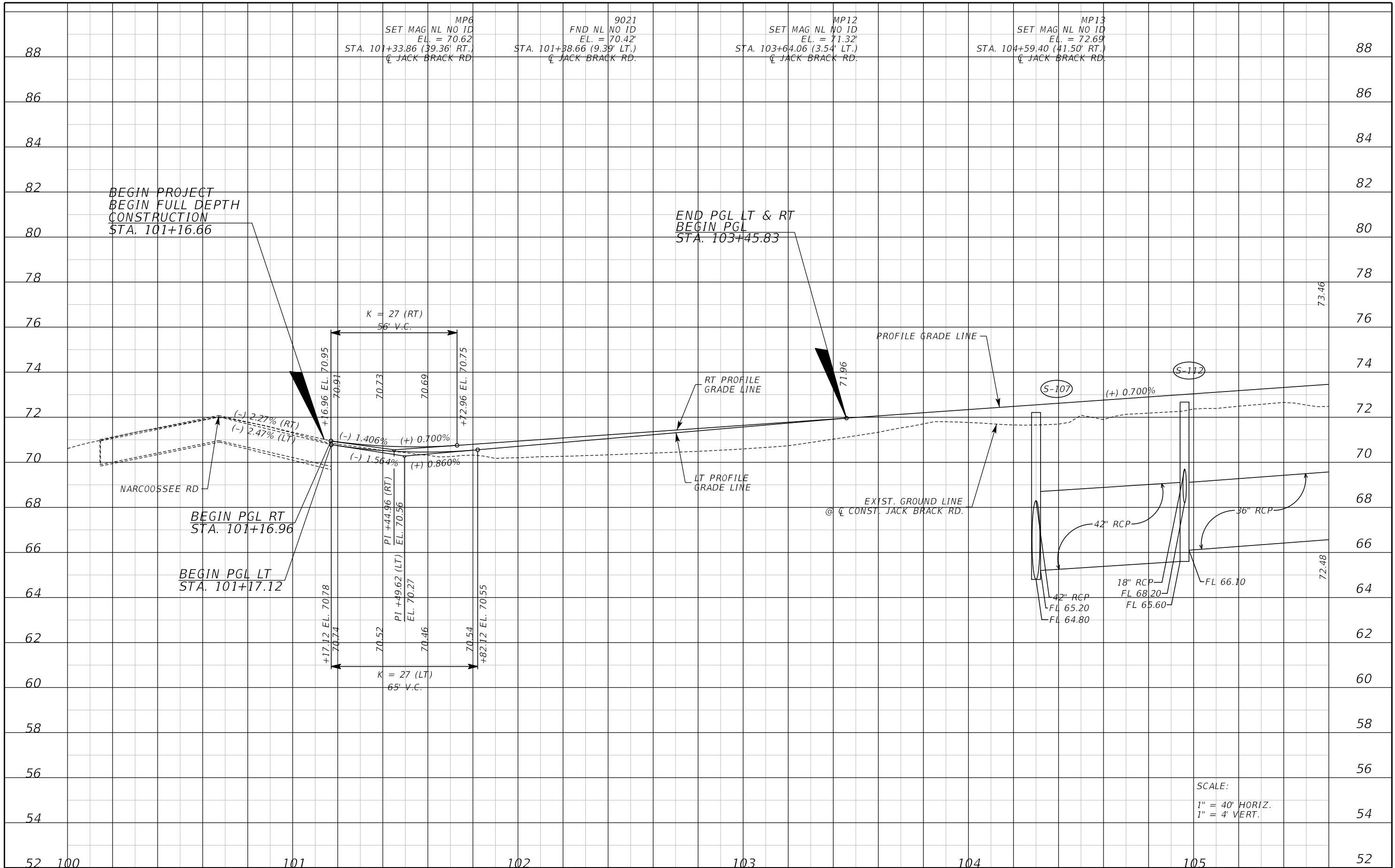
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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 1 Courthouse Square, Suite 1100
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ROADWAY PLAN

SHEET NO.
66

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BEGIN PROJECT
 BEGIN FULL DEPTH
 CONSTRUCTION
 STA. 101+16.66

END PGL LT & RT
 BEGIN PGL
 STA. 103+45.83

NARCOOSSEE RD

BEGIN PGL RT
 STA. 101+16.96

BEGIN PGL LT
 STA. 101+17.12

PROFILE GRADE LINE

RT PROFILE
 GRADE LINE

LT PROFILE
 GRADE LINE

EXIST. GROUND LINE
 @ C/JACK BRACK RD.

(S-107)

(S-112)

18" RCP
 FL 68.20

FL 65.60

42" RCP
 FL 65.20

FL 64.80

36" RCP
 FL 66.10

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

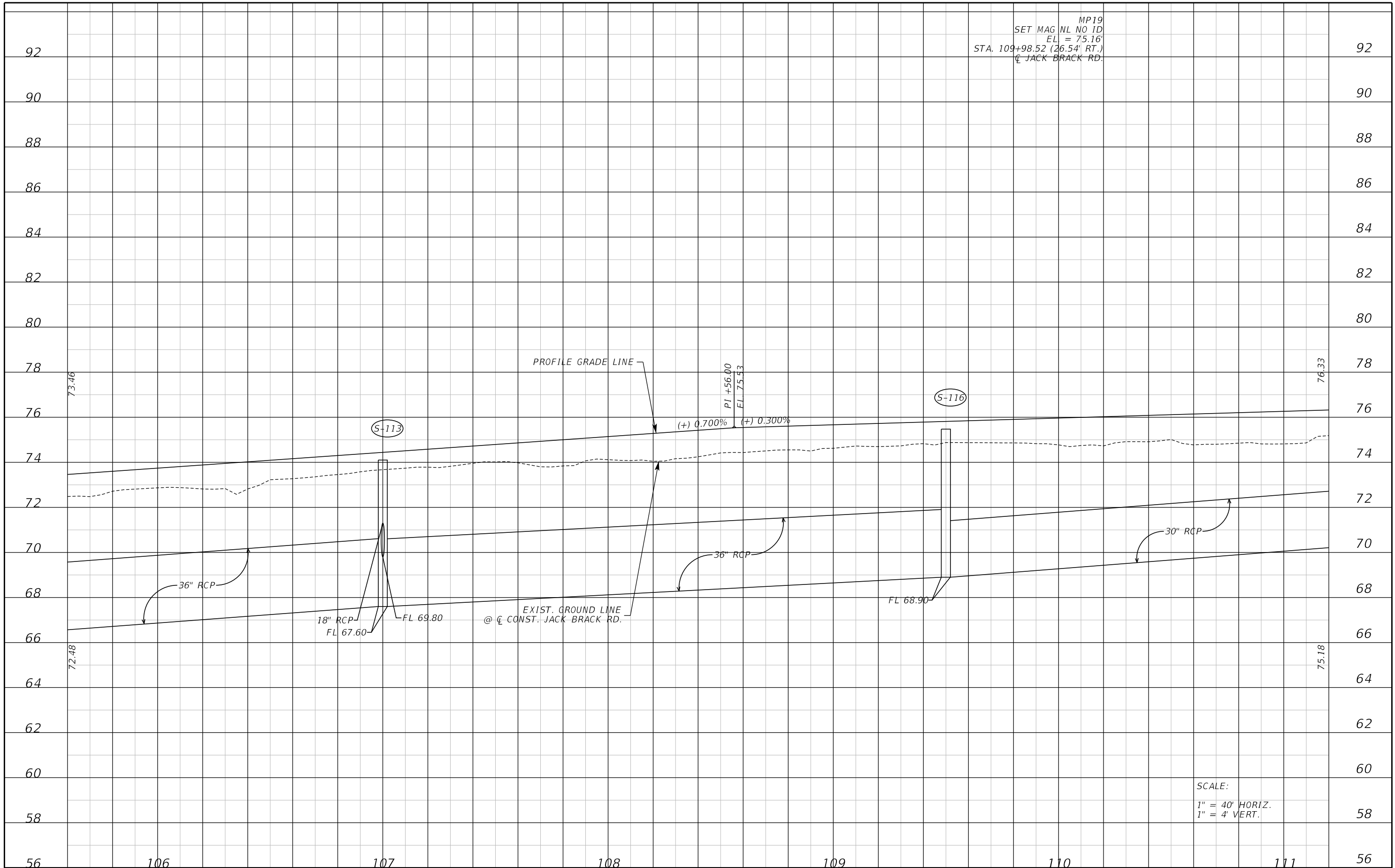
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
 67

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MP19
 SET MAG NL NO ID
 EL = 75.16'
 STA. 109+98.52 (26.54' RT.)
 @ JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

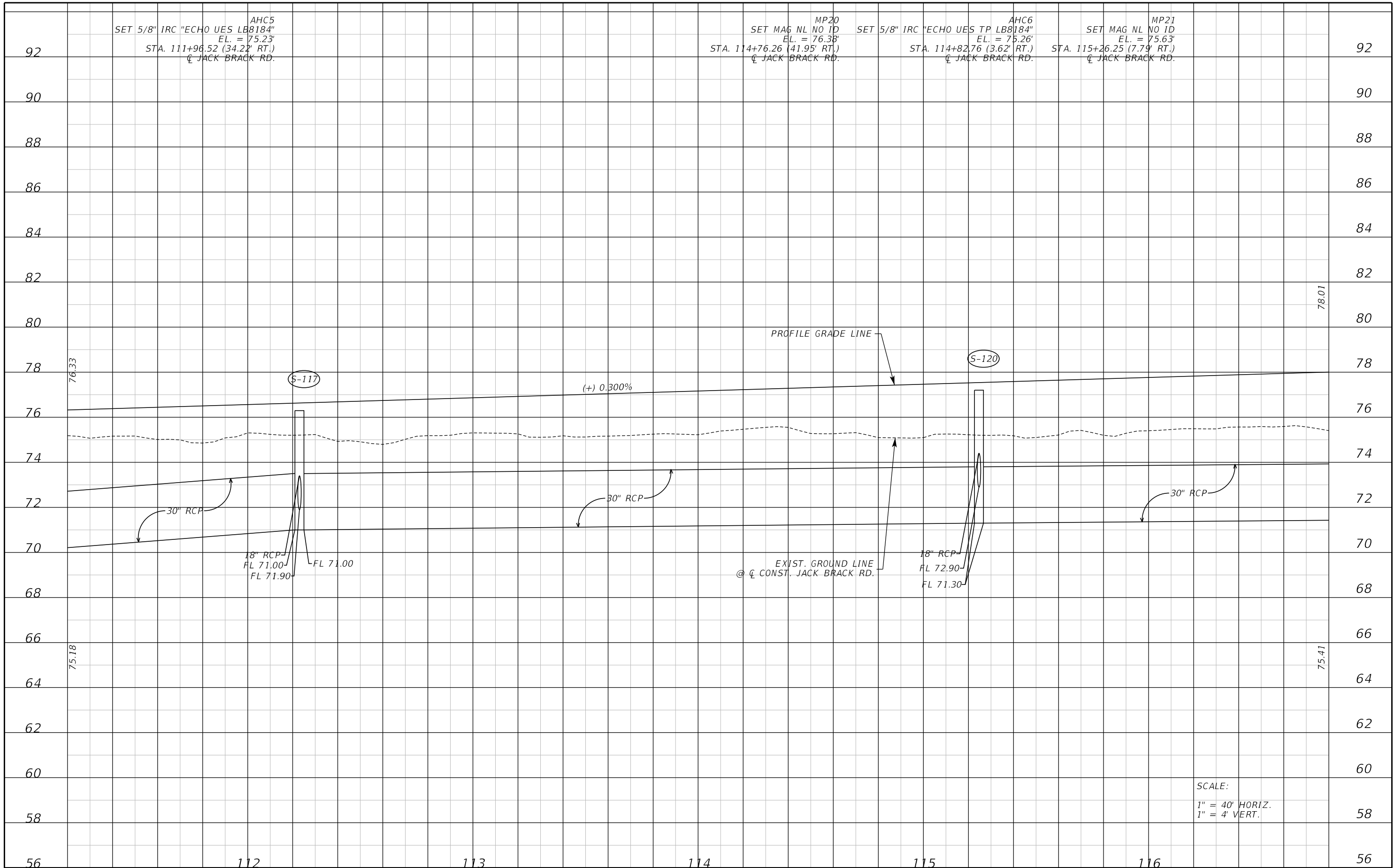
ENGINEER OF RECORD
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 Inwood Consulting Engineers, Inc.
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OSCEOLA COUNTY
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ROADWAY PROFILE

SHEET NO.
 68

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

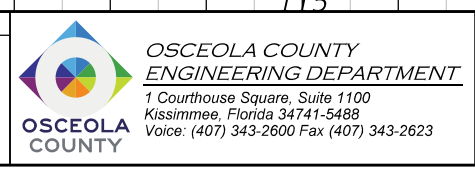


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

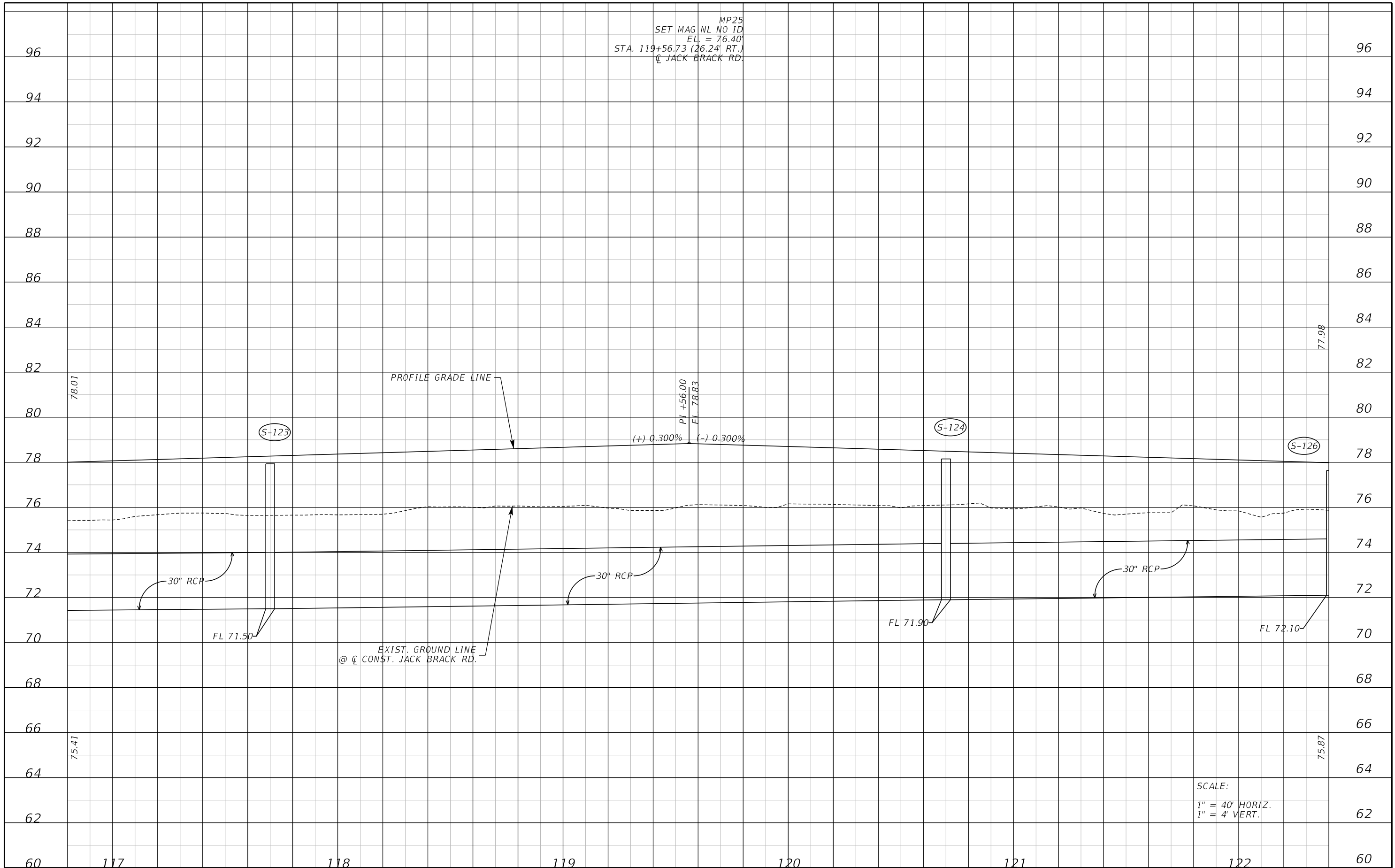
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
69

MP25
 SET MAG NL NO ID
 EL = 76.40
 STA. 119+56.73 (26.24' RT.)
 @ JACK BRACK RD.



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

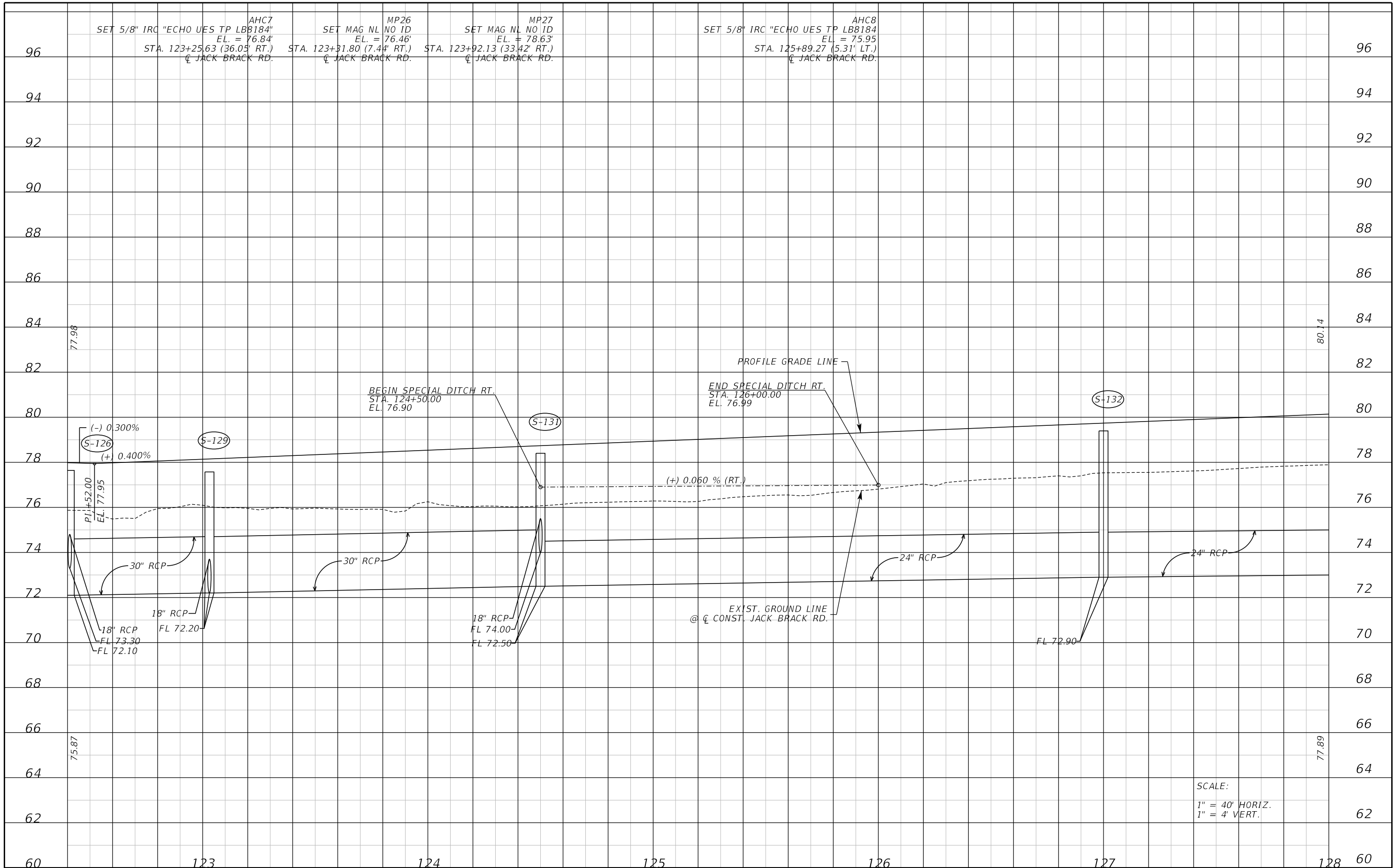
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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ROADWAY PROFILE

SHEET NO.
 70

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SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

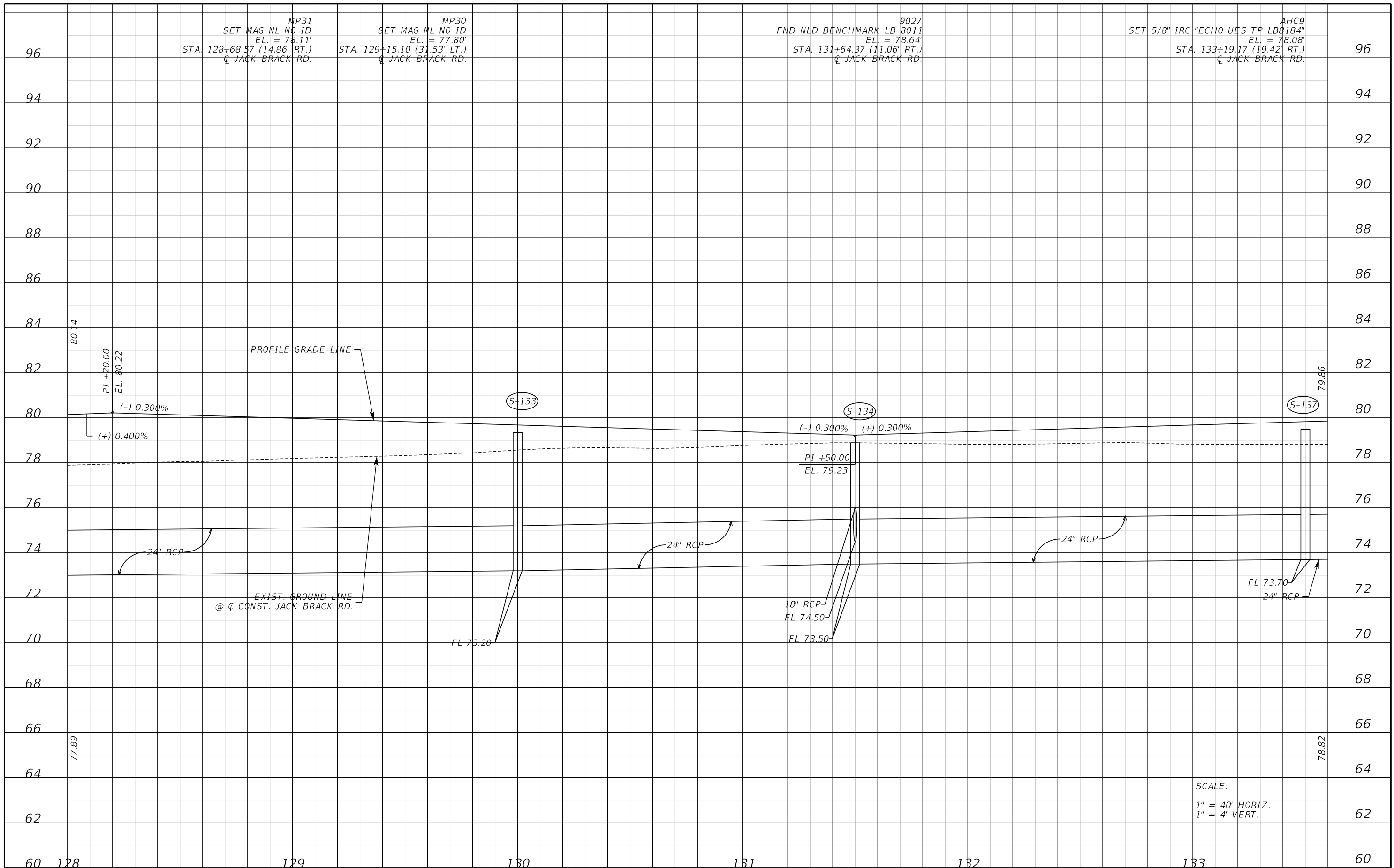
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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ROADWAY PROFILE

SHEET NO.
 71

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



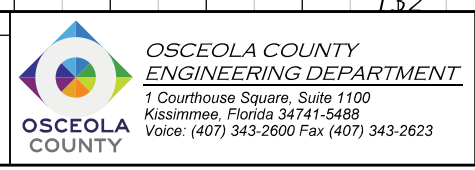
MP31 SET MAG NL NO ID EL. = 78.11' STA. 128+68.57 (14.86' RT.) @ JACK BRACK RD.
 MP30 SET MAG NL NO ID EL. = 77.80' STA. 129+15.10 (31.53' LT.) @ JACK BRACK RD.
 9027 FND NLD BENCHMARK LB 8011 EL. = 78.64' STA. 131+64.37 (11.06' RT.) @ JACK BRACK RD.
 AHC9 SET 5/8" IRC "ECHO UES TP LB 8184" EL. = 78.08' STA. 133+19.17 (19.42' RT.) @ JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

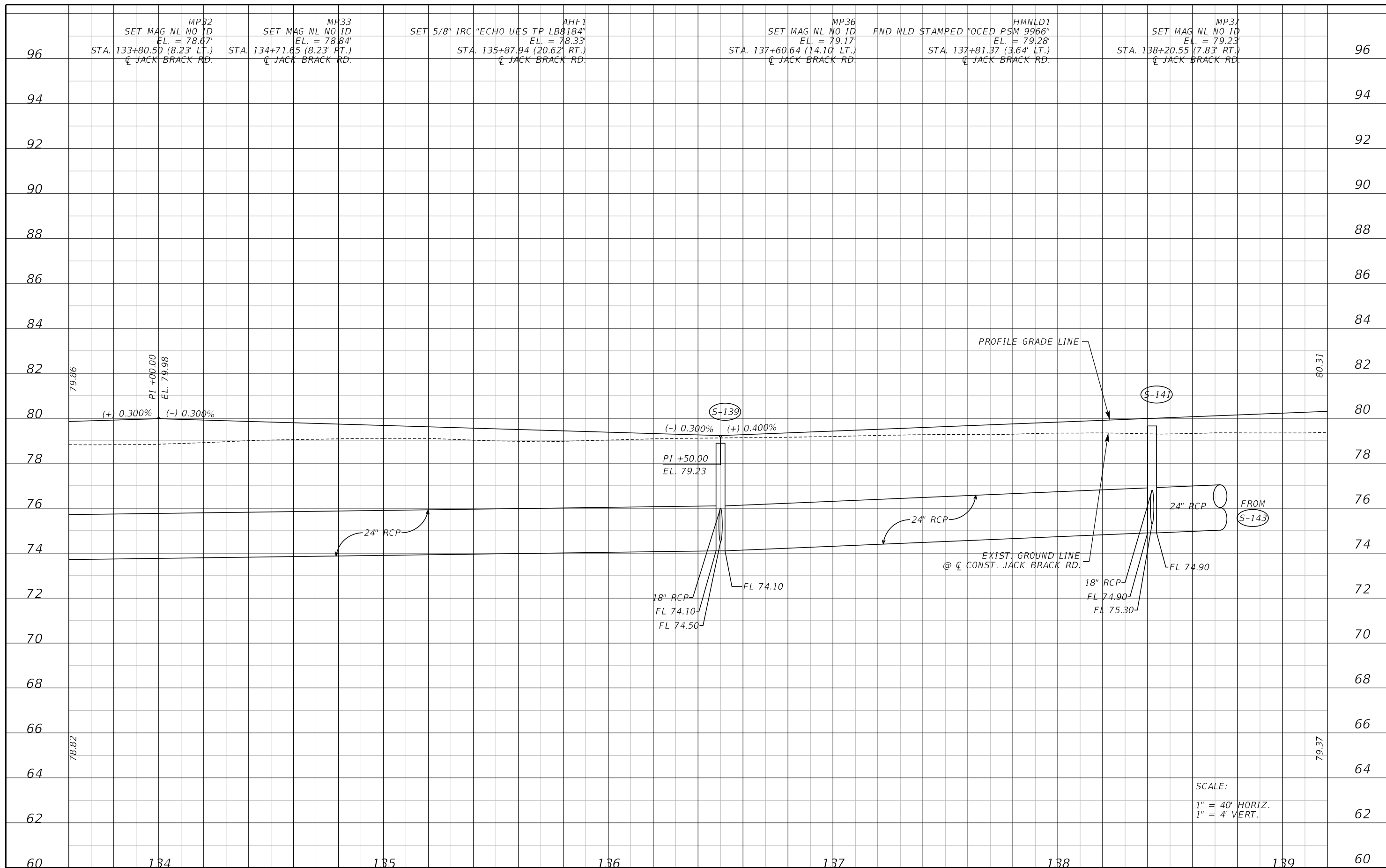
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
72

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

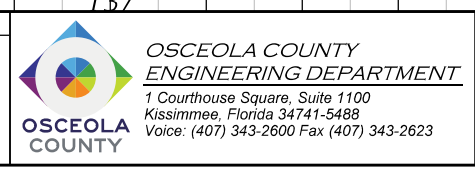


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

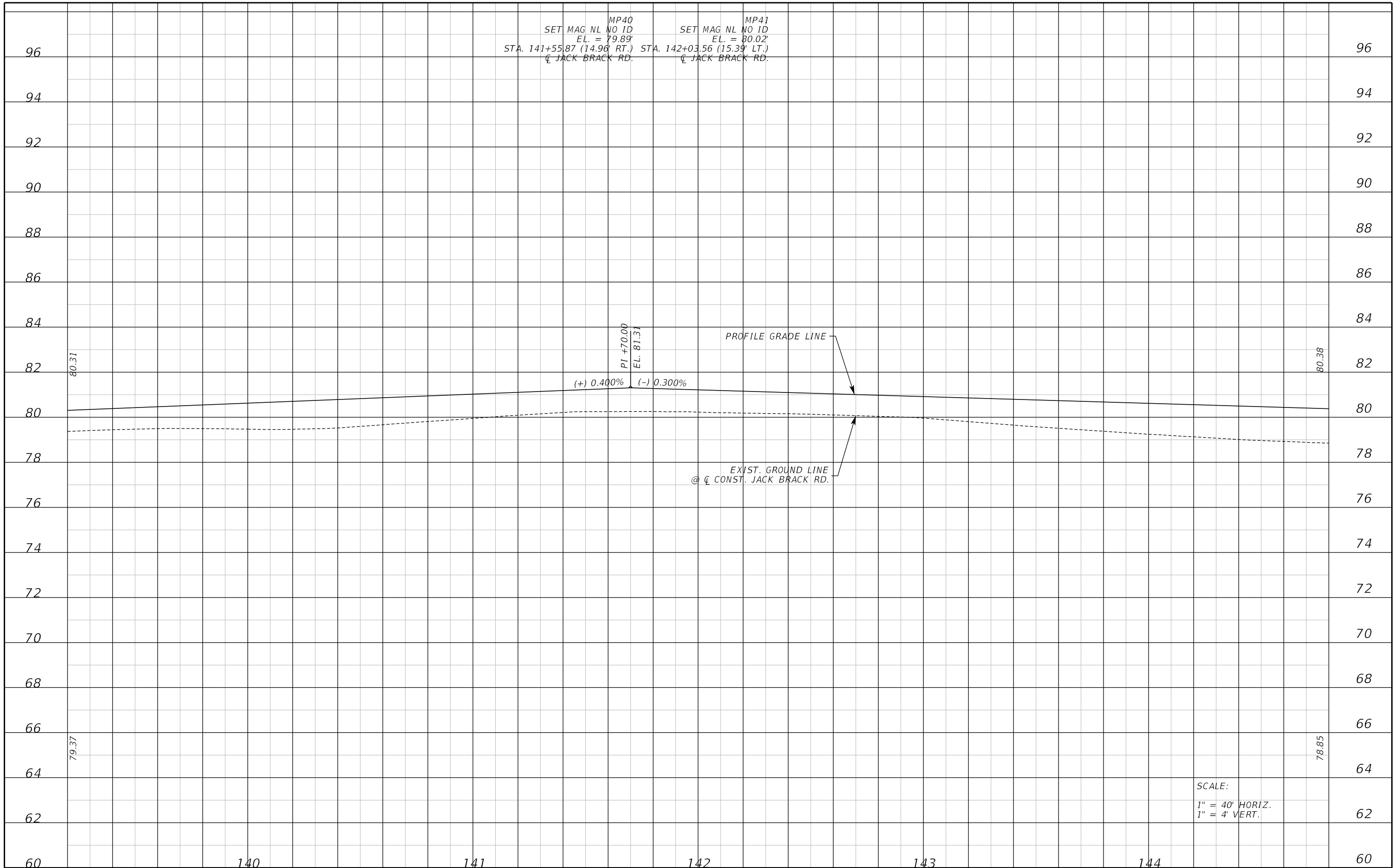
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
73

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

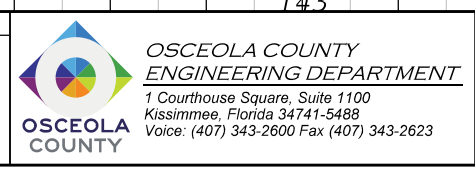


SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

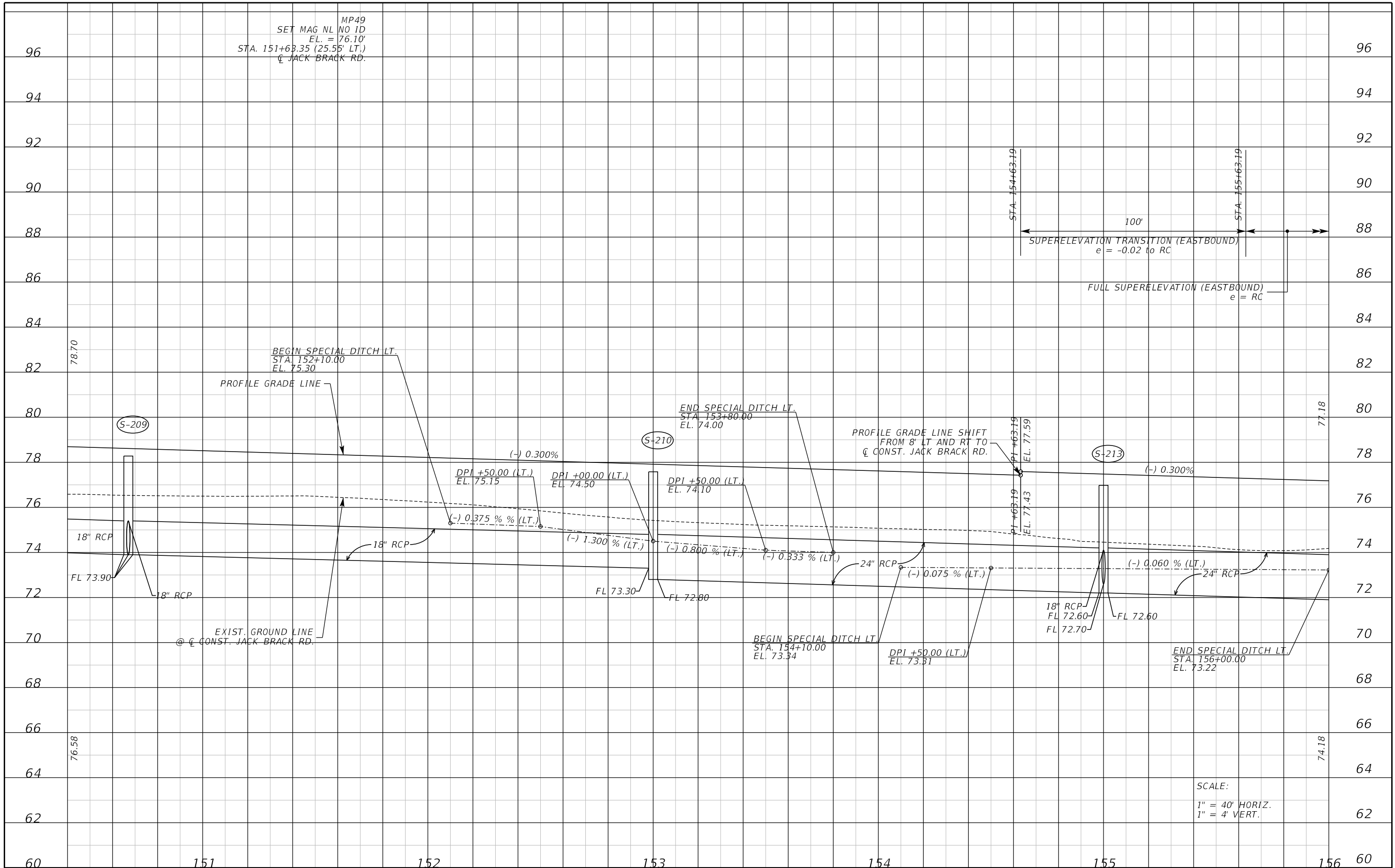
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
74

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MP49
 SET MAG NL NO 1D
 EL. = 76.10'
 STA. 151+63.35 (25.55' LT.)
 @ JACK BRACK RD.

100'
 STA. 154+63.19
 STA. 155+63.19
 SUPERELEVATION TRANSITION (EASTBOUND)
 e = -0.02 to RC
 FULL SUPERELEVATION (EASTBOUND)
 e = RC

BEGIN SPECIAL DITCH LT.
 STA. 152+10.00
 EL. 75.30

END SPECIAL DITCH LT.
 STA. 153+80.00
 EL. 74.00

BEGIN SPECIAL DITCH LT.
 STA. 154+10.00
 EL. 73.34

END SPECIAL DITCH LT.
 STA. 156+00.00
 EL. 73.22

EXIST. GROUND LINE
 @ @ CONST. JACK BRACK RD.

PROFILE GRADE LINE SHIFT
 FROM 8' LT AND RT TO
 @ CONST. JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

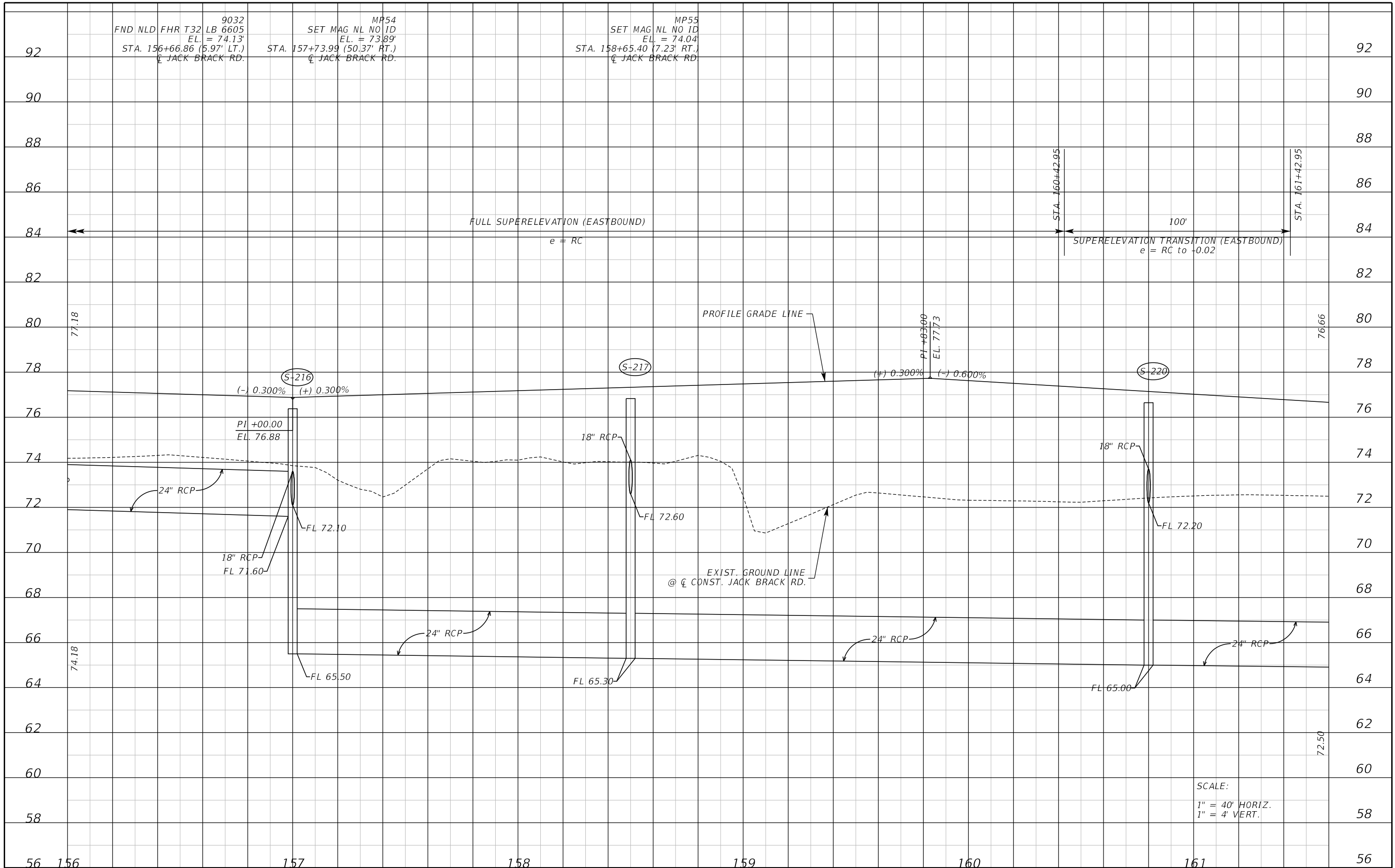
ENGINEER OF RECORD
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ROADWAY PROFILE

SHEET NO.
 76

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

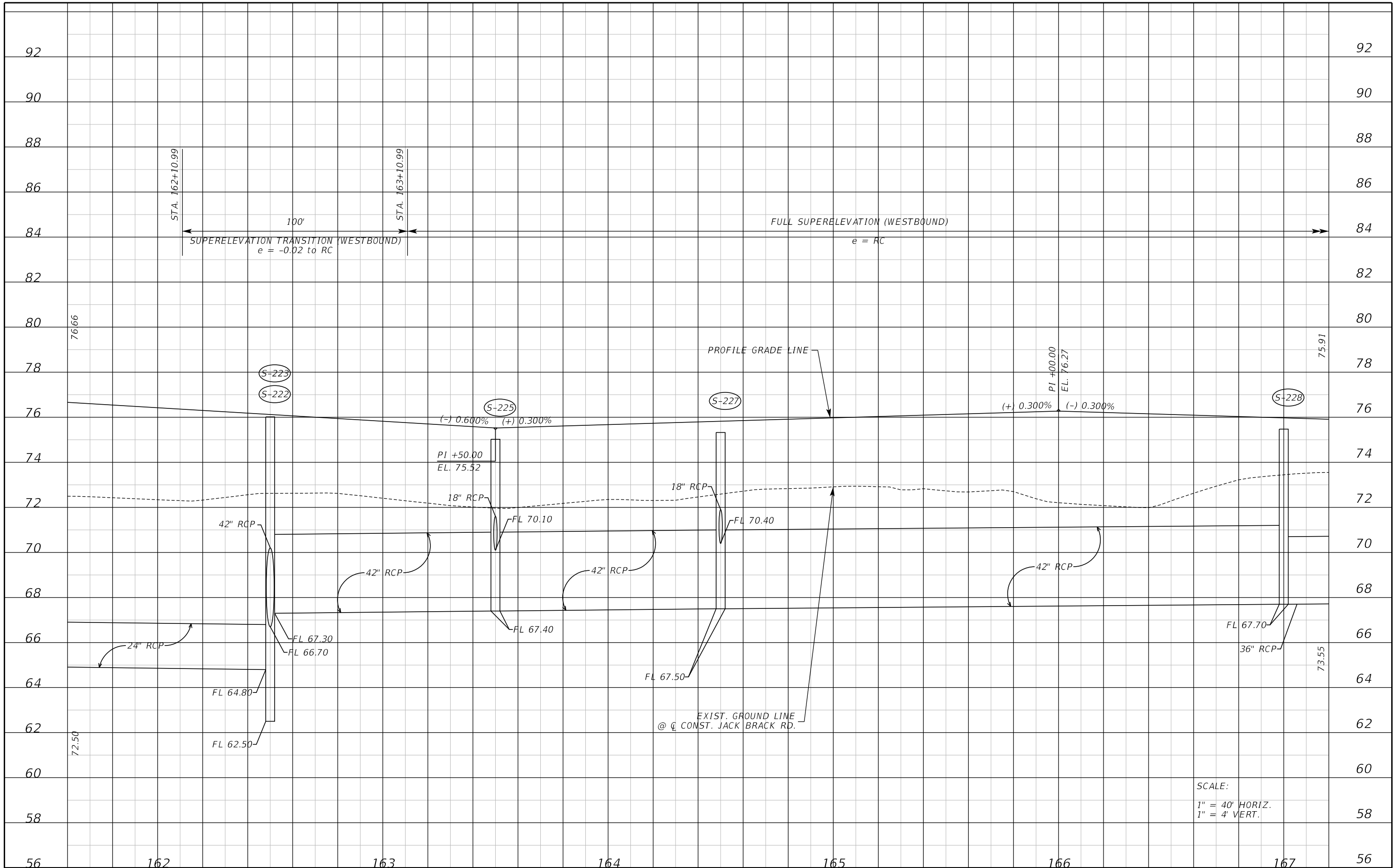
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
77

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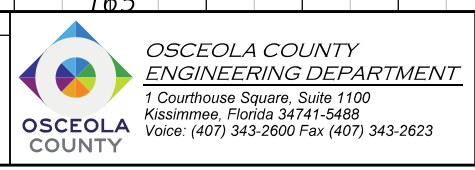


SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

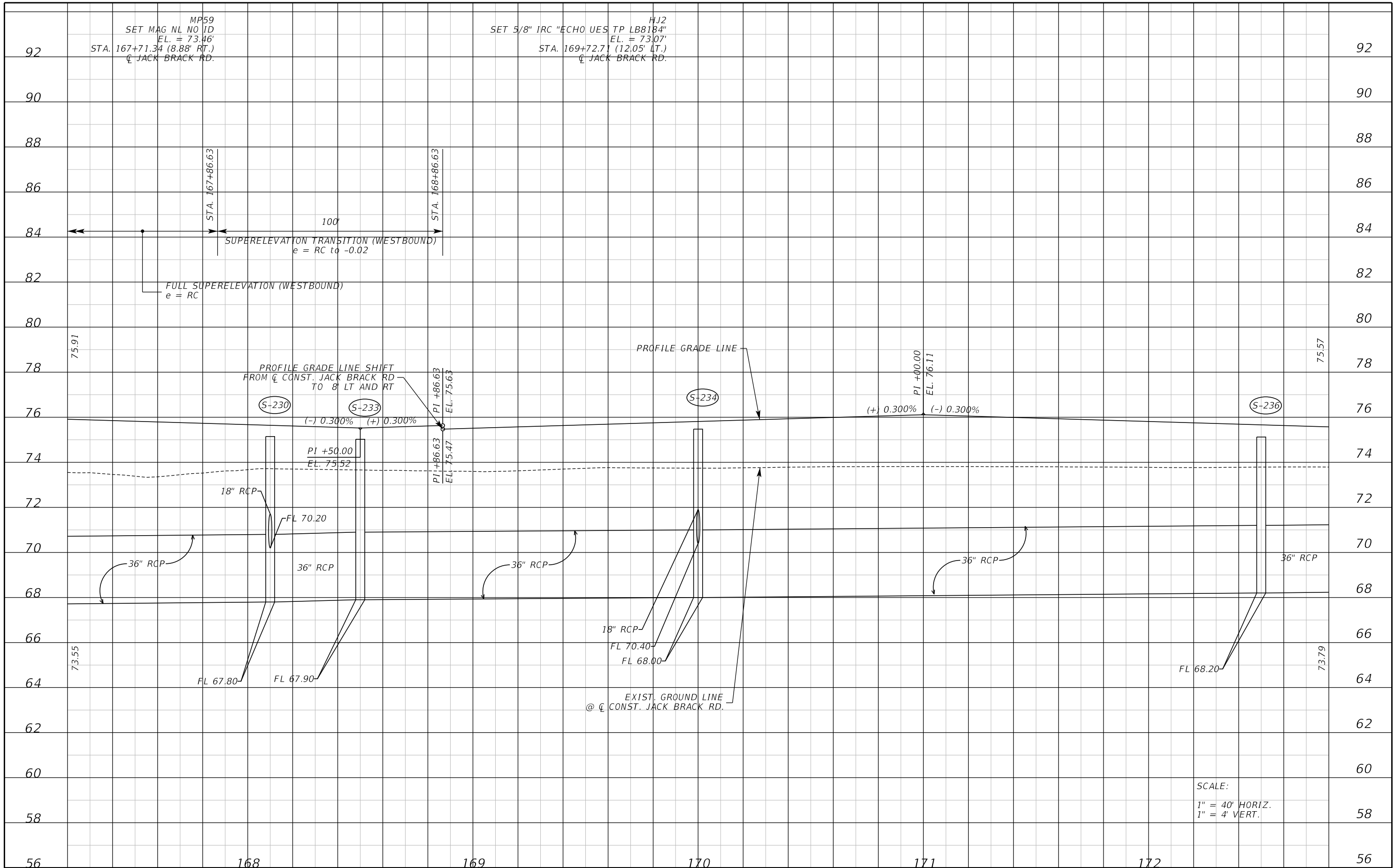
ENGINEER OF RECORD
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 PE No. 71527
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
78

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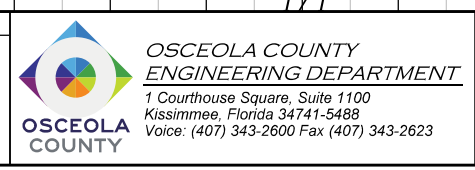


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

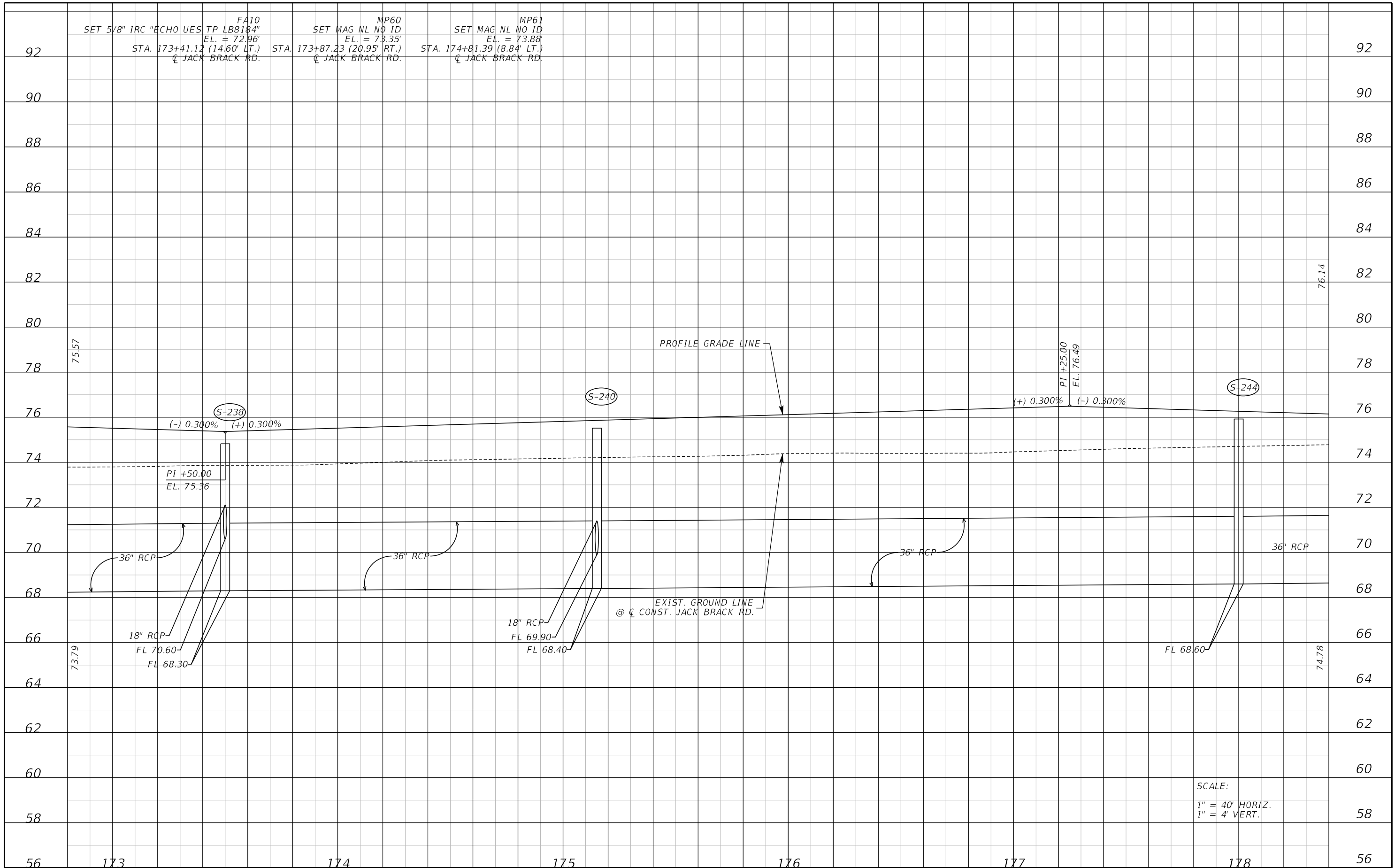
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
79

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

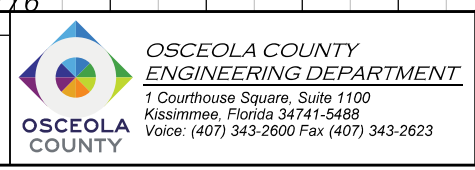


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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

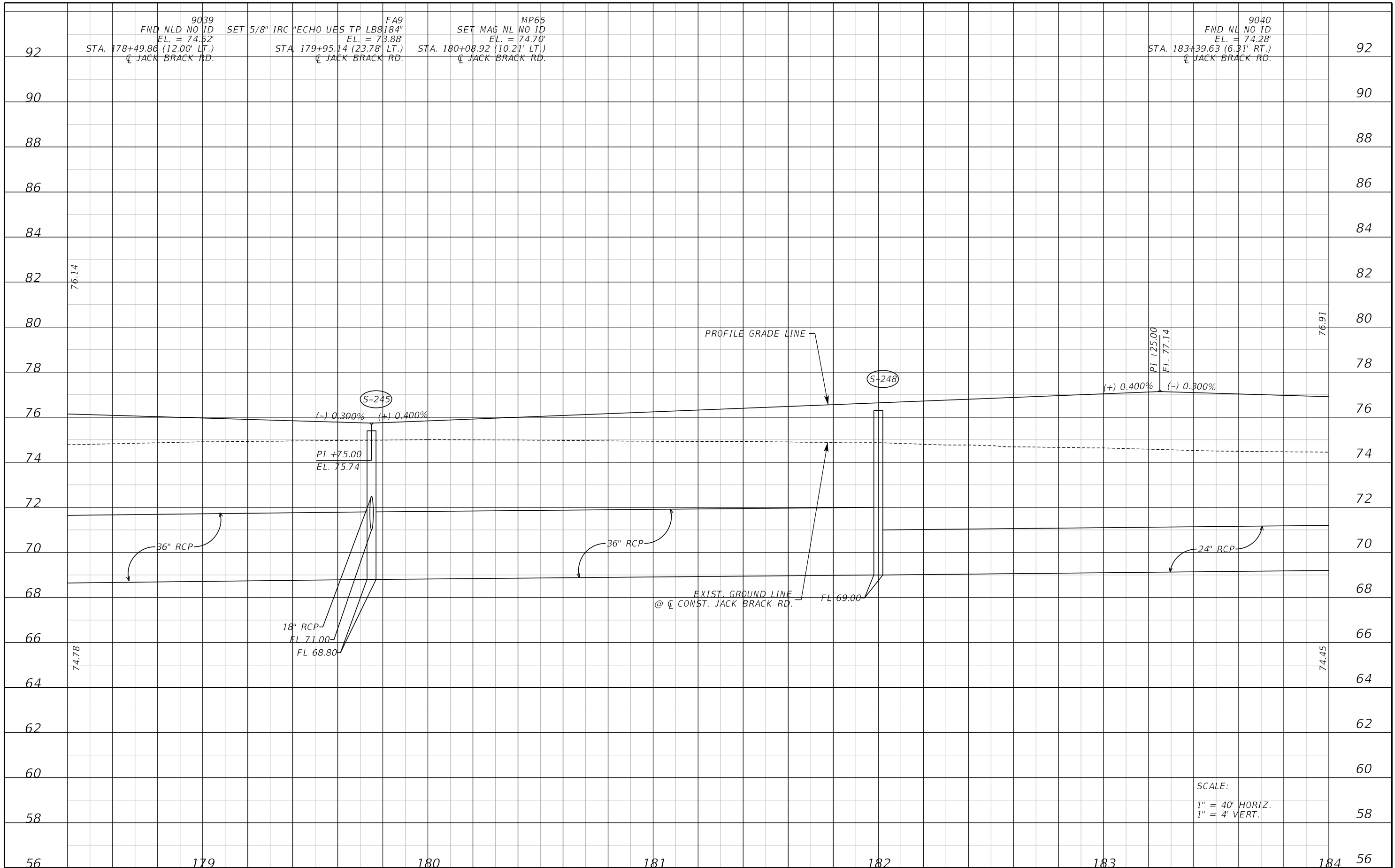
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
80

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

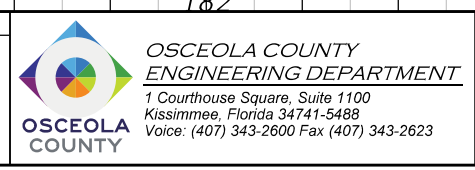


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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

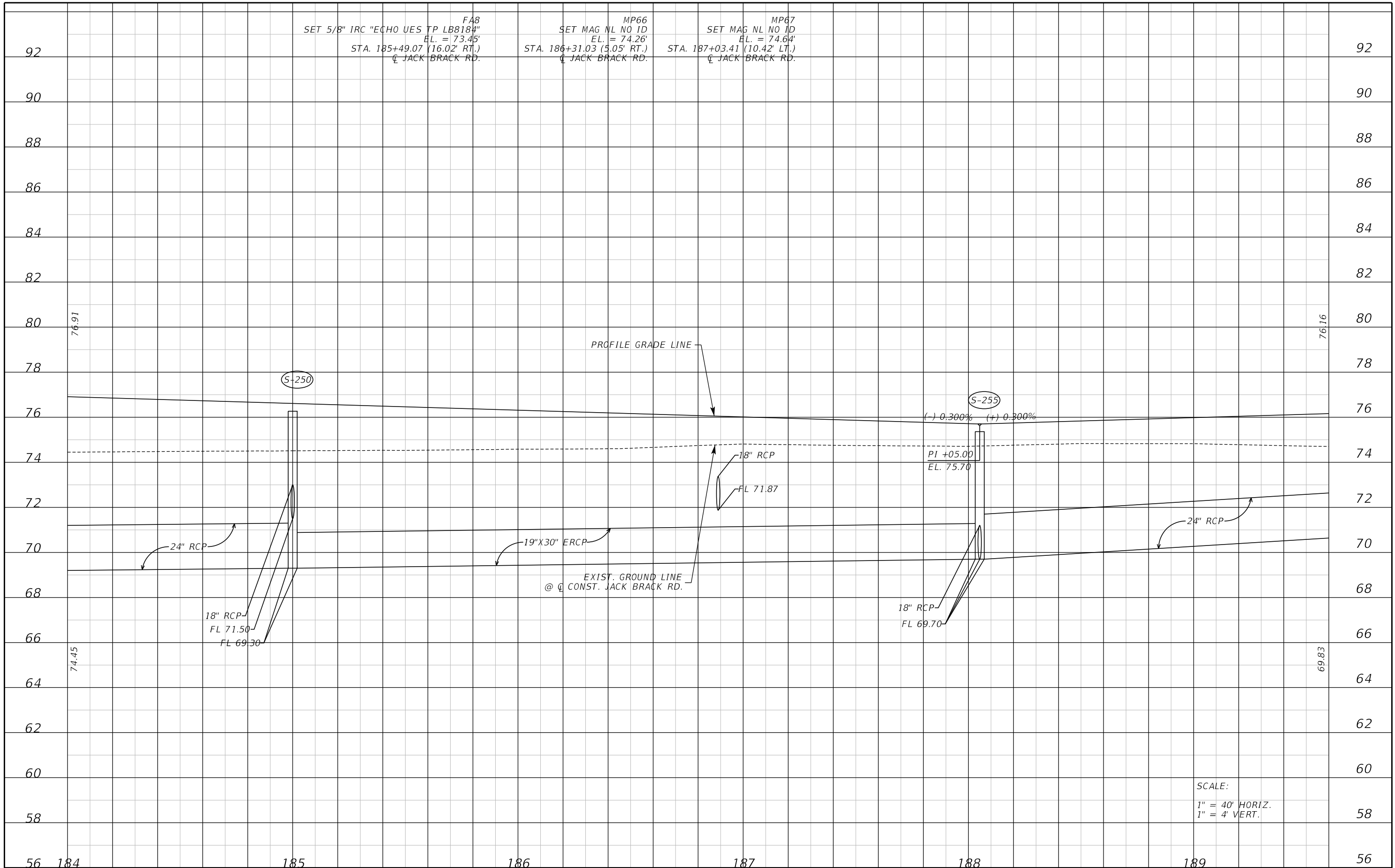
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
81

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.



F48
 SET 5/8" IRC "ECHO UES TP LB8184"
 EL. = 73.45'
 STA. 185+49.07 (16.02' RT.)
 C JACK BRACK RD.

MP66
 SET MAG NL NO ID
 EL. = 74.26'
 STA. 186+31.03 (5.05' RT.)
 C JACK BRACK RD.

MP67
 SET MAG NL NO ID
 EL. = 74.64'
 STA. 187+03.41 (10.42' LT.)
 C JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

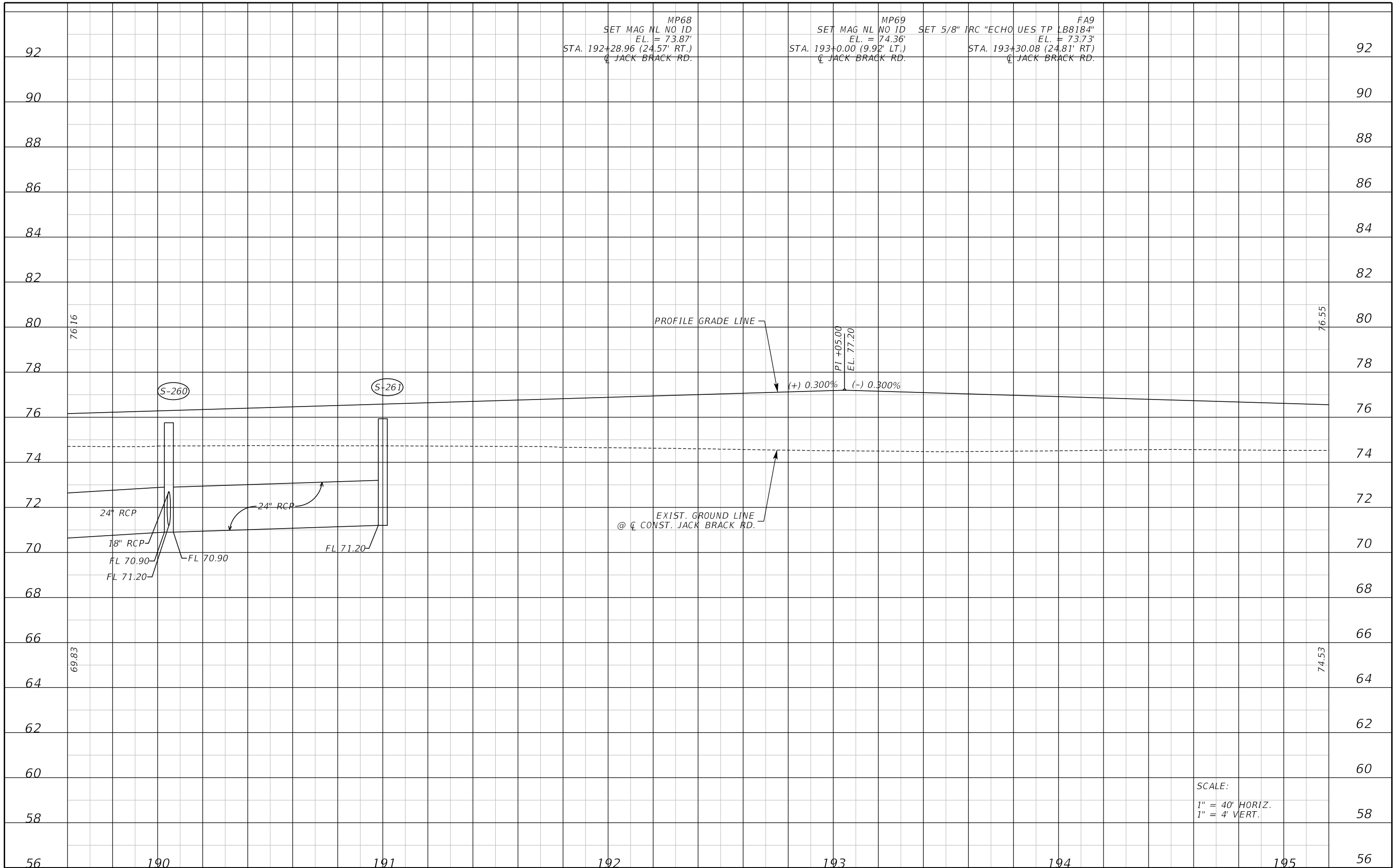
SHEET NO.
 82

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

MP68
SET MAG NL NO ID
EL. = 73.87'
STA. 192+28.96 (24.57' RT.)
@ JACK BRACK RD.

MP69
SET MAG NL NO ID
EL. = 74.36'
STA. 193+0.00 (9.92' LT.)
@ JACK BRACK RD.

FA9
SET 5/8" IRC "ECHO UES TP LB8184"
EL. = 73.73'
STA. 193+30.08 (24.81' RT.)
@ JACK BRACK RD.

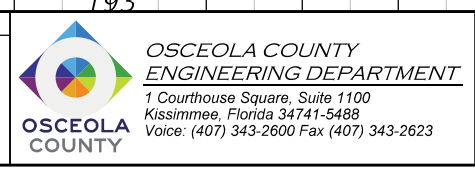


SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

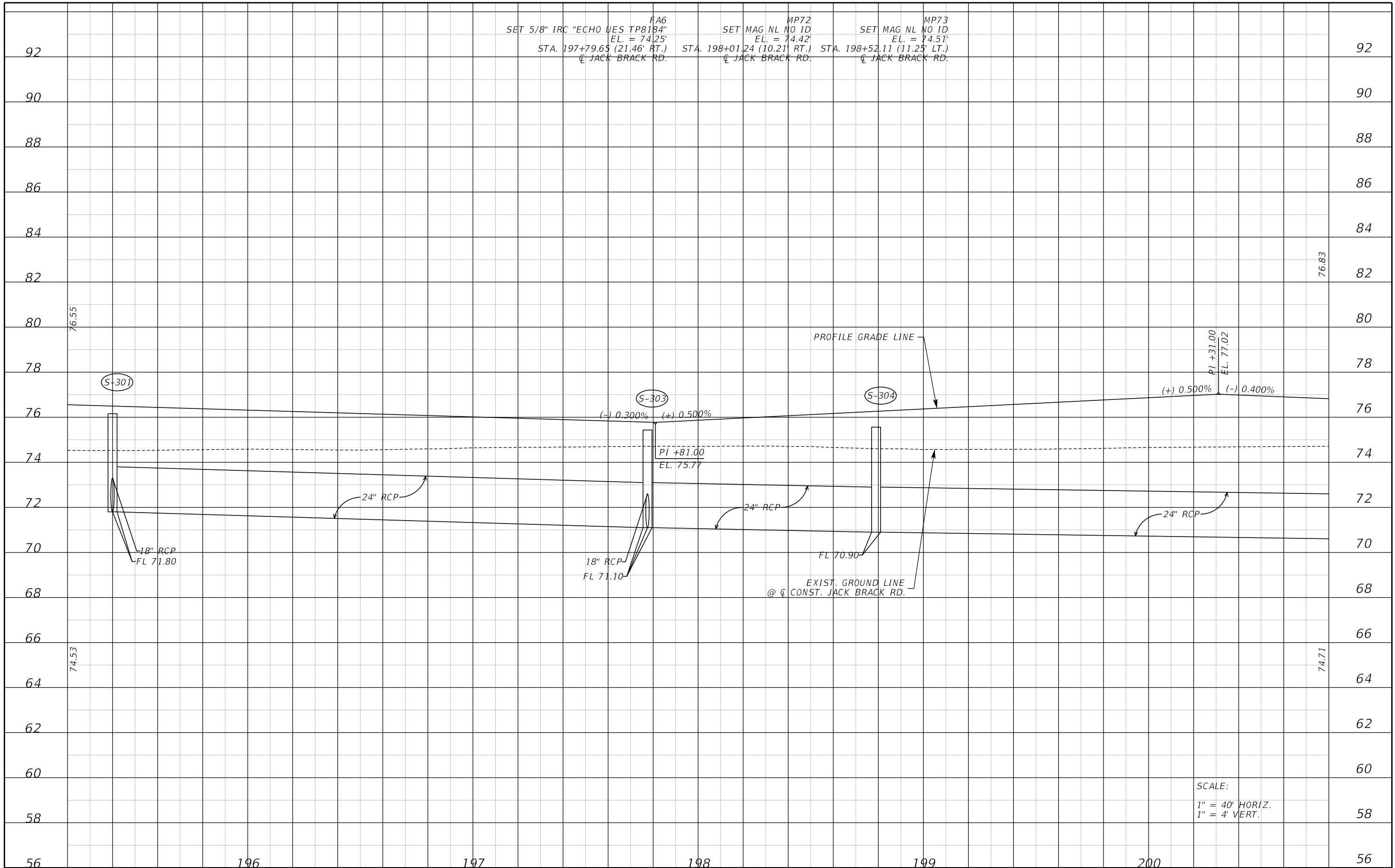
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
83

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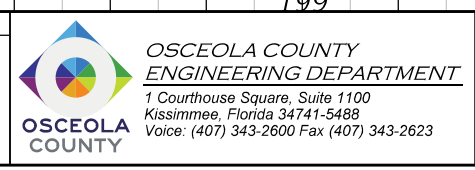
FA6 SET 5/8" IRC "ECHO UES TP8184" EL. = 74.25' STA. 197+79.65 (21.46' RT.) @ JACK BRACK RD.
 MP72 SET MAG NL NO ID EL. = 74.42' STA. 198+01.24 (10.21' RT.) @ JACK BRACK RD.
 MP73 SET MAG NL NO ID EL. = 74.51' STA. 198+52.11 (11.25' LT.) @ JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

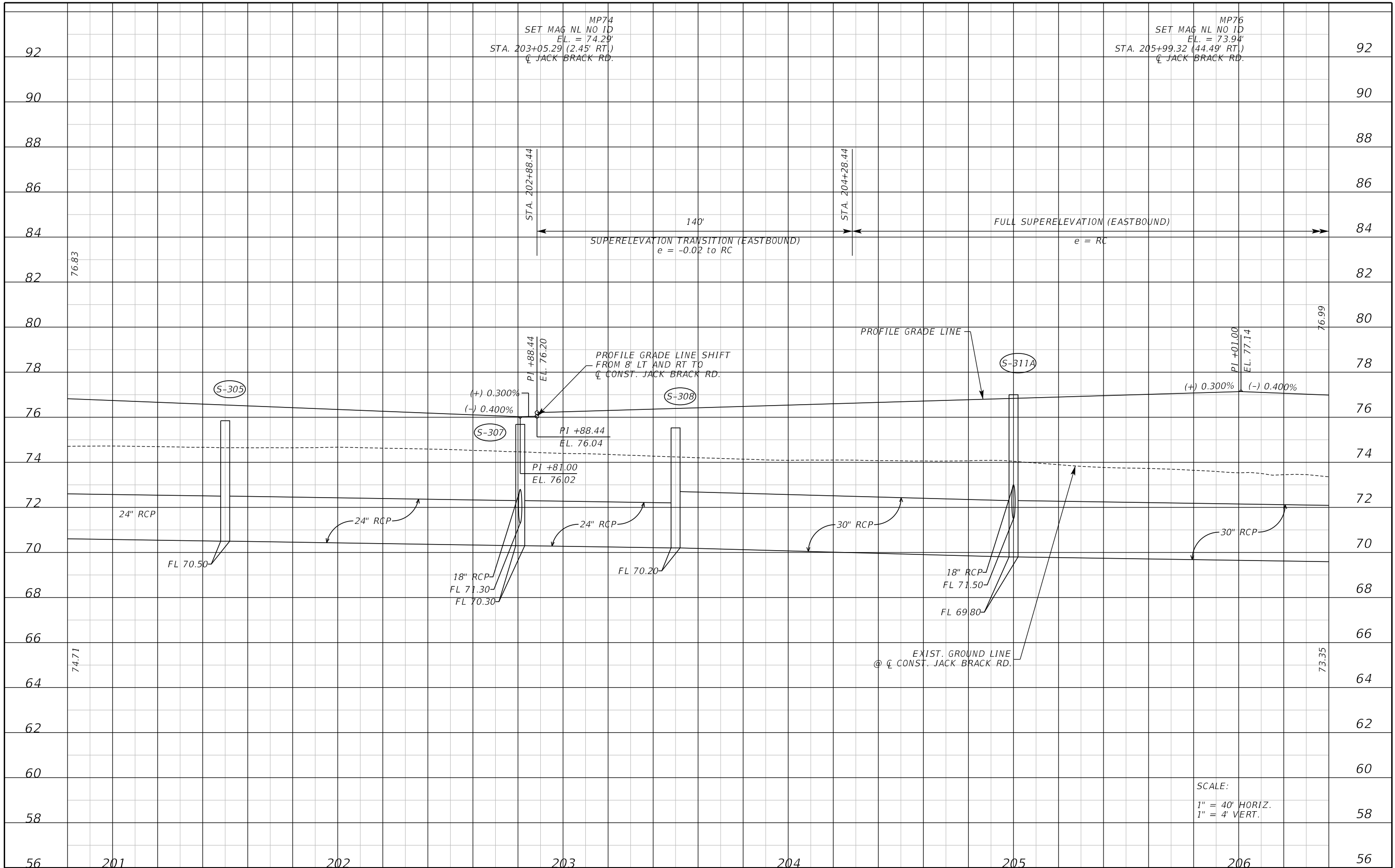
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
84

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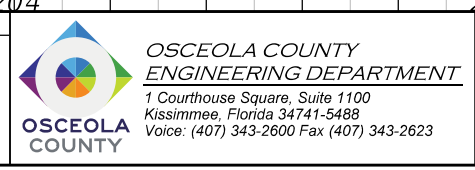


SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

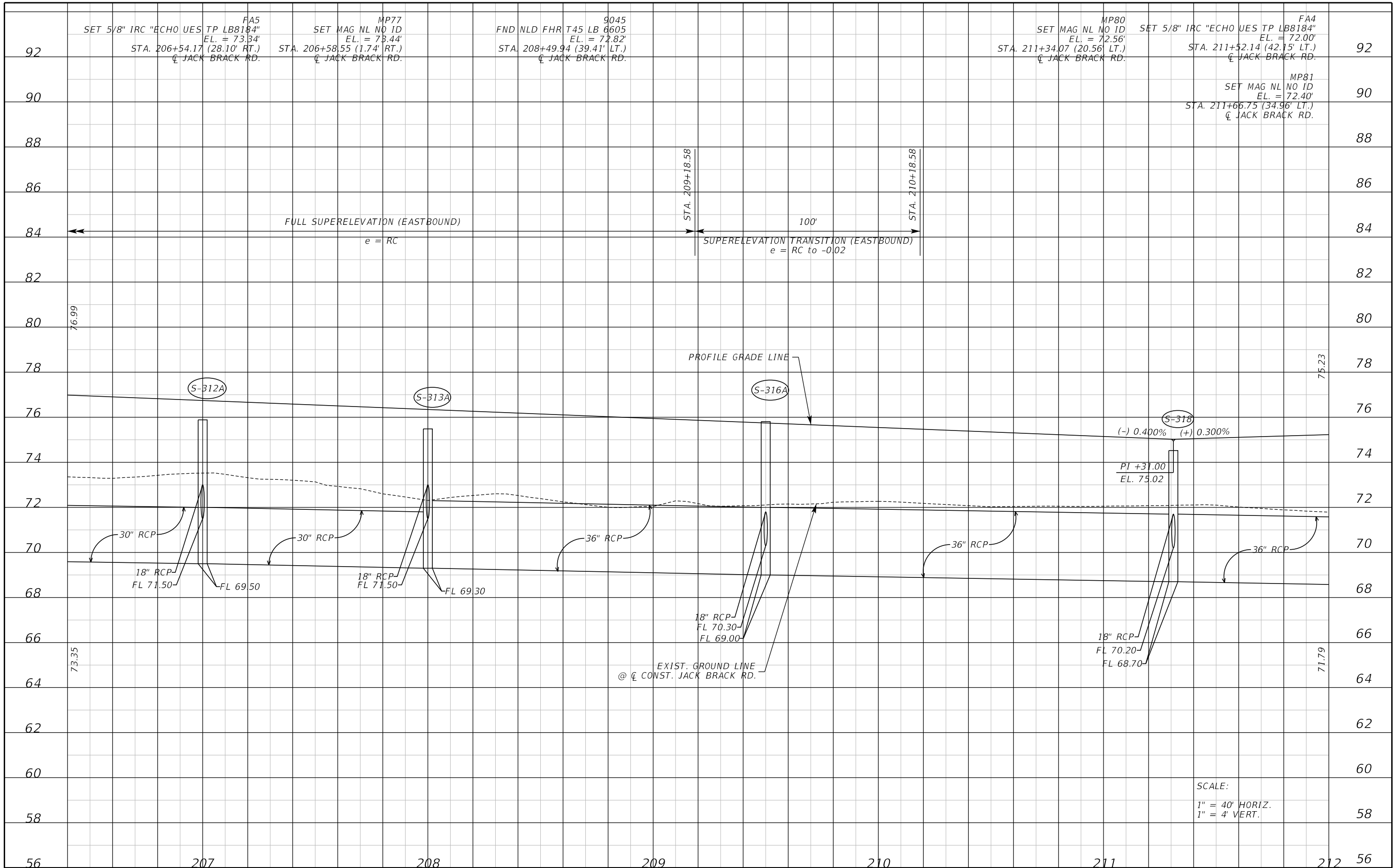
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
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ROADWAY PROFILE

SHEET
NO.
85

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**JACK BRACK ROAD
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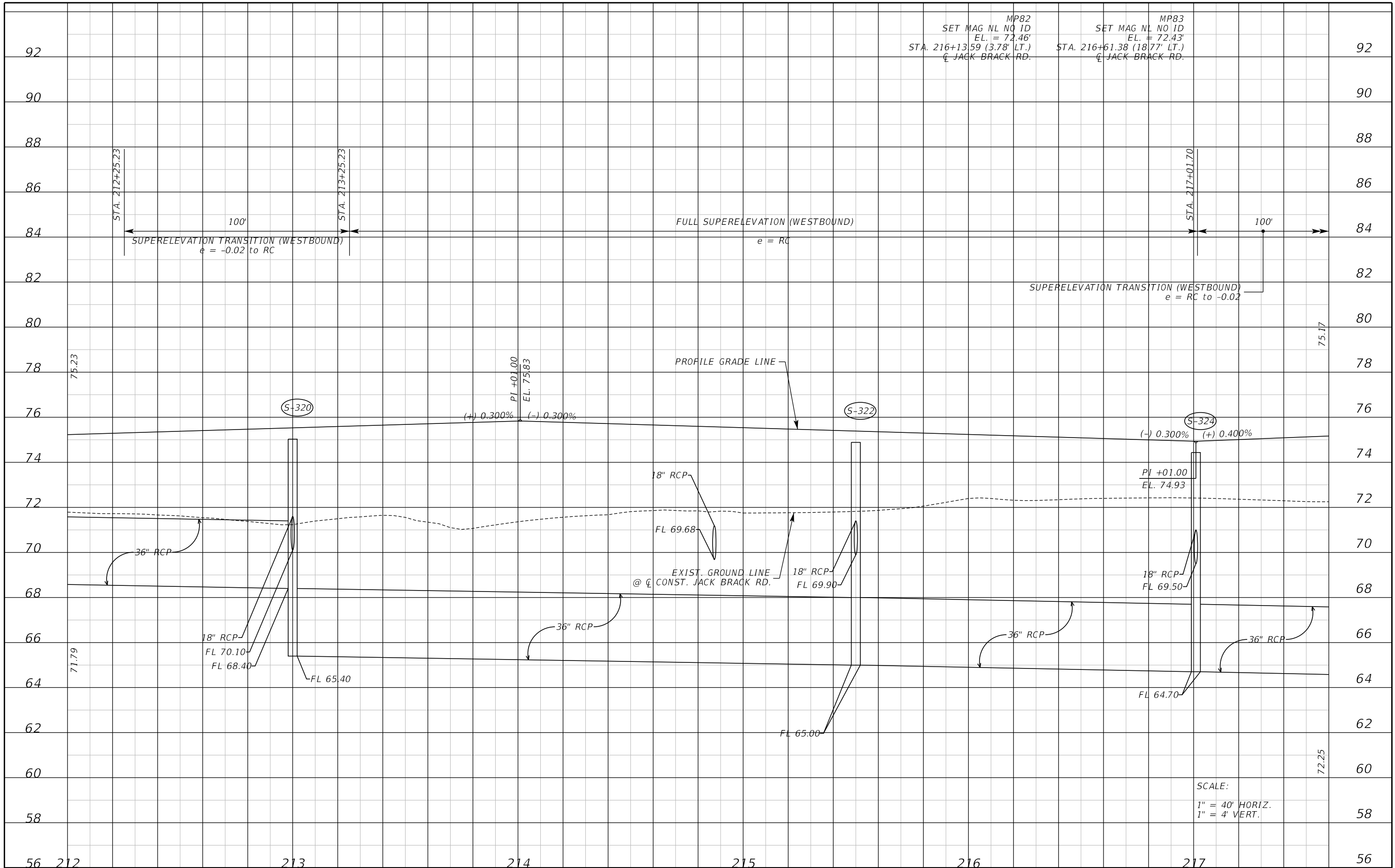
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
86

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MP82
SET MAG NL NO ID
EL. = 72.46'
STA. 216+13.59 (3.78' LT.)
@ JACK BRACK RD.

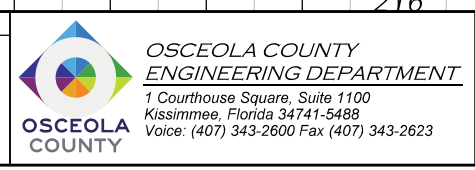
MP83
SET MAG NL NO ID
EL. = 72.43'
STA. 216+61.38 (18.77' LT.)
@ JACK BRACK RD.

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

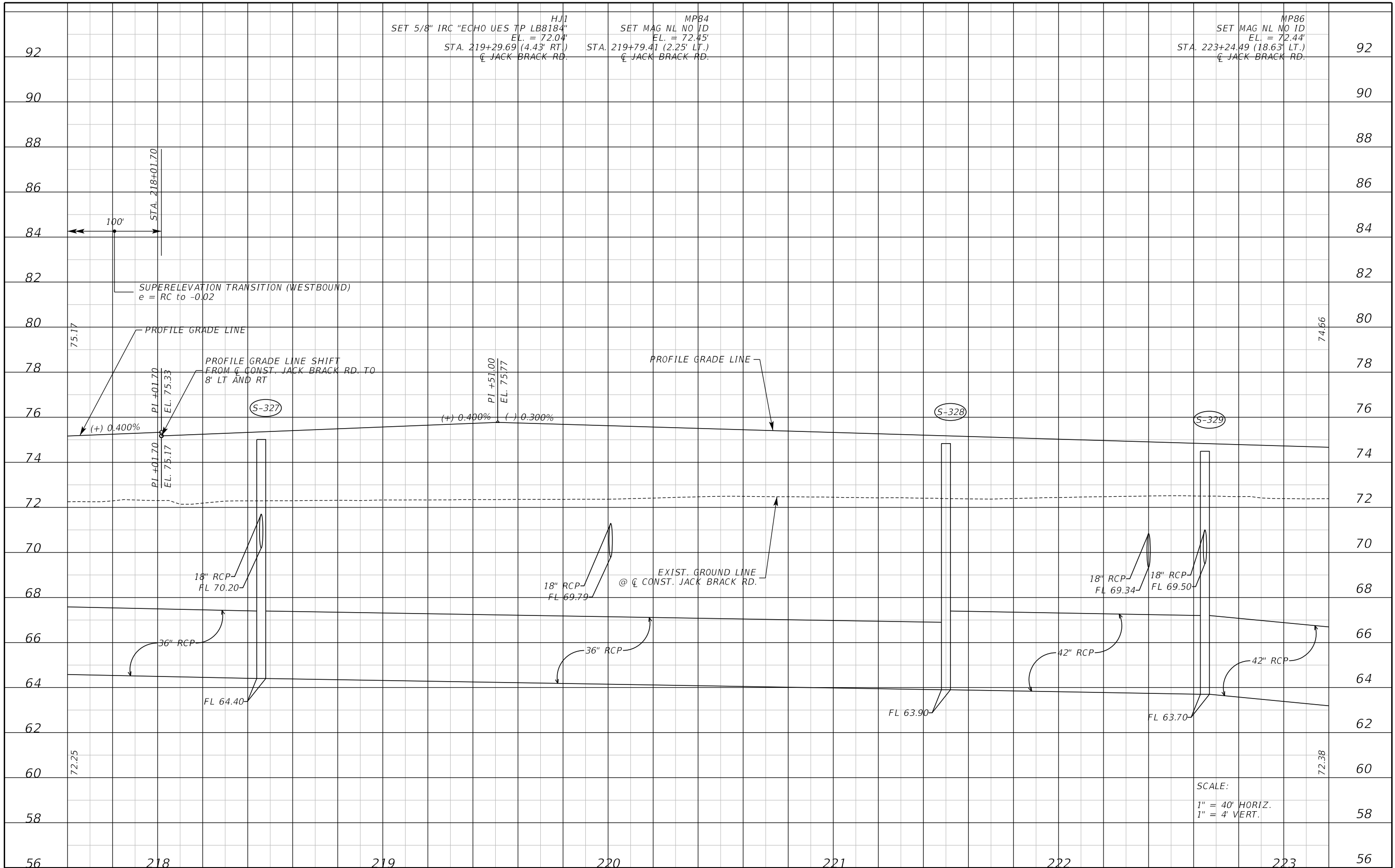
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
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ROADWAY PROFILE

SHEET NO.
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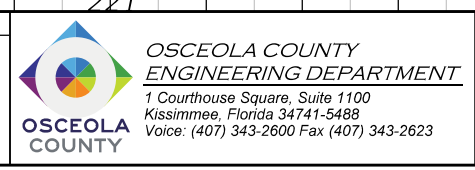


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DATE	BY	DESCRIPTION

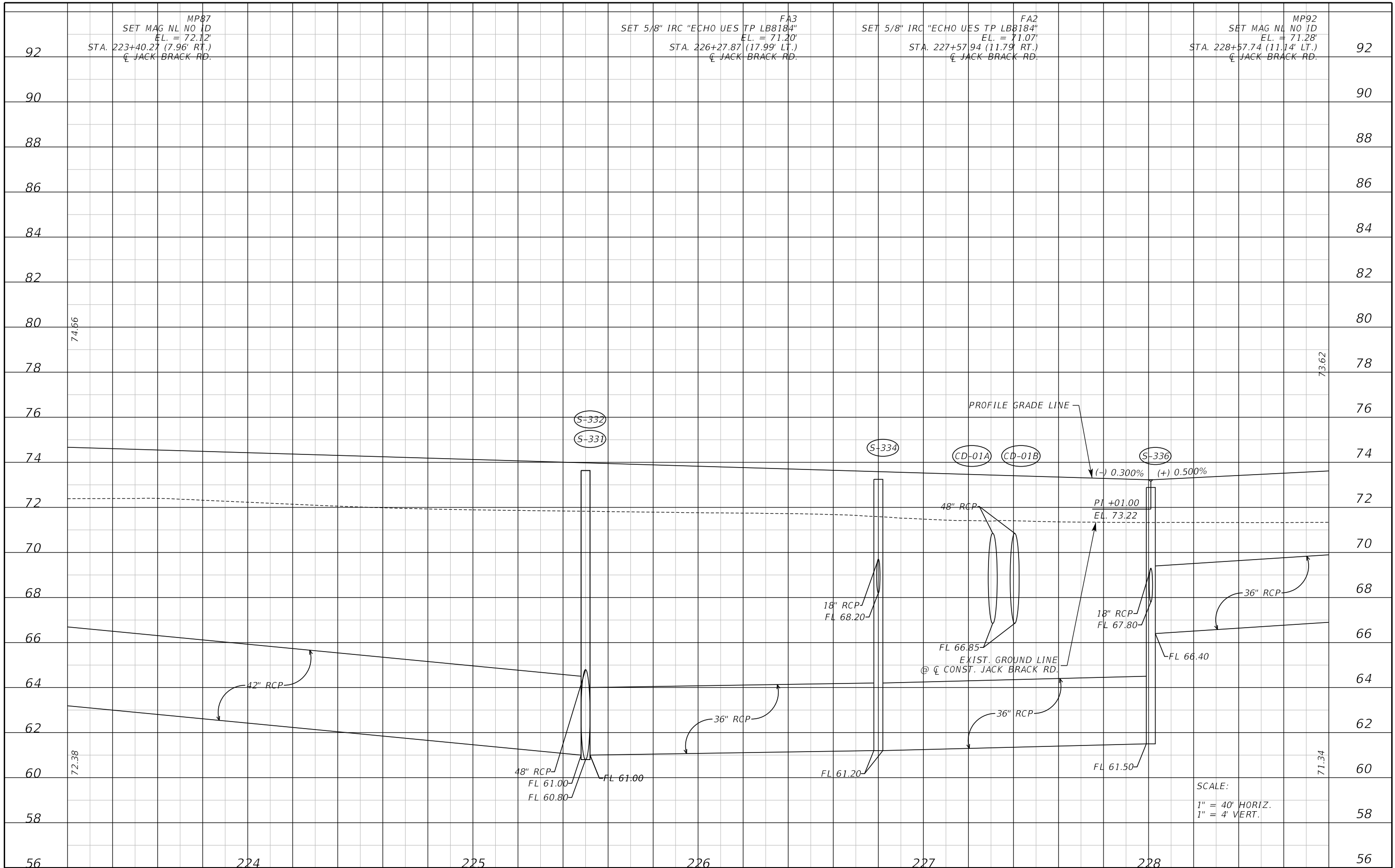
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
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ROADWAY PROFILE

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88



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 Oviedo, Florida 32765



ROADWAY PROFILE

SHEET NO.
89

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

MP87 SET MAG NL NO ID EL. = 72.12' STA. 223+40.27 (7.96' RT.) @ JACK BRACK RD.
 FA3 SET 5/8" IRC "ECHO UES TP LB8184" EL. = 71.20' STA. 226+27.87 (17.99' LT.) @ JACK BRACK RD.
 FA2 SET 5/8" IRC "ECHO UES TP LB8184" EL. = 71.07' STA. 227+57.94 (11.79' RT.) @ JACK BRACK RD.
 MP92 SET MAG NL NO ID EL. = 71.28' STA. 228+57.74 (11.14' LT.) @ JACK BRACK RD.

PROFILE GRADE LINE
 (-) 0.300% (+) 0.500%

PI +01.00
 EL. 73.22

EXIST. GROUND LINE
 @ @ CONST. JACK BRACK RD.

S-332 S-331 S-334 CD-01A CD-01B S-336

48" RCP FL 61.00 FL 60.80
 36" RCP FL 61.00

18" RCP FL 68.20

FL 66.85

18" RCP FL 67.80

FL 66.40

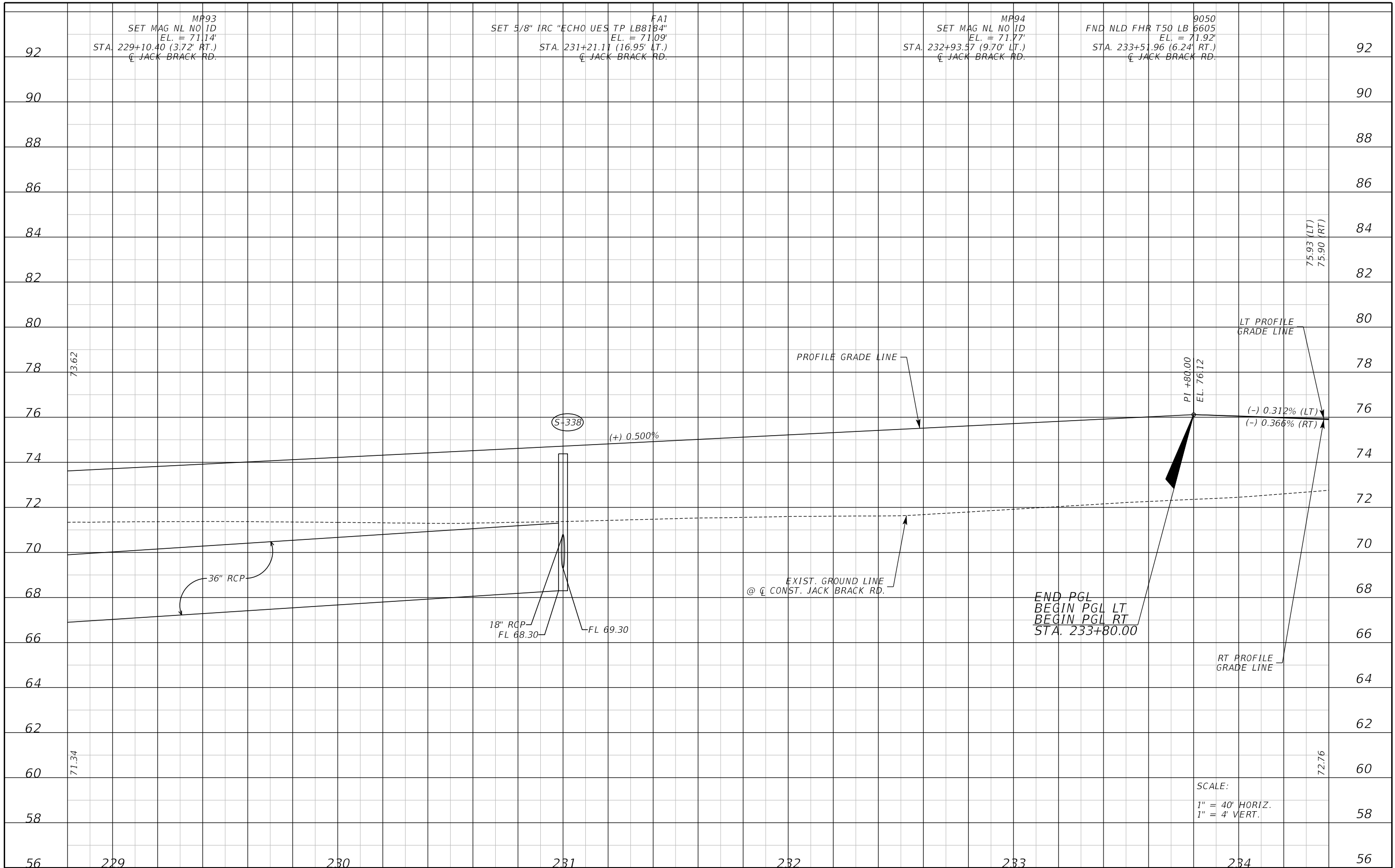
FL 61.50

74.66

72.38

73.62

71.34



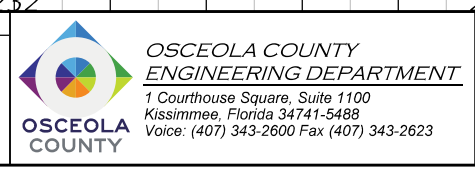
MP93 SET MAG NL NO ID EL. = 71.14' STA. 229+10.40 (3.72' RT.) @ JACK BRACK RD.
 SET 5/8" IRC "ECHO UES TP LB8184" FA1 EL. = 71.09' STA. 231+21.11 (16.95' LT.) @ JACK BRACK RD.
 MP94 SET MAG NL NO ID EL. = 71.77' STA. 232+93.57 (9.70' LT.) @ JACK BRACK RD.
 9050 FND NLD FHR T50 LB 6605 EL. = 71.92' STA. 233+51.96 (6.24' RT.) @ JACK BRACK RD.

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

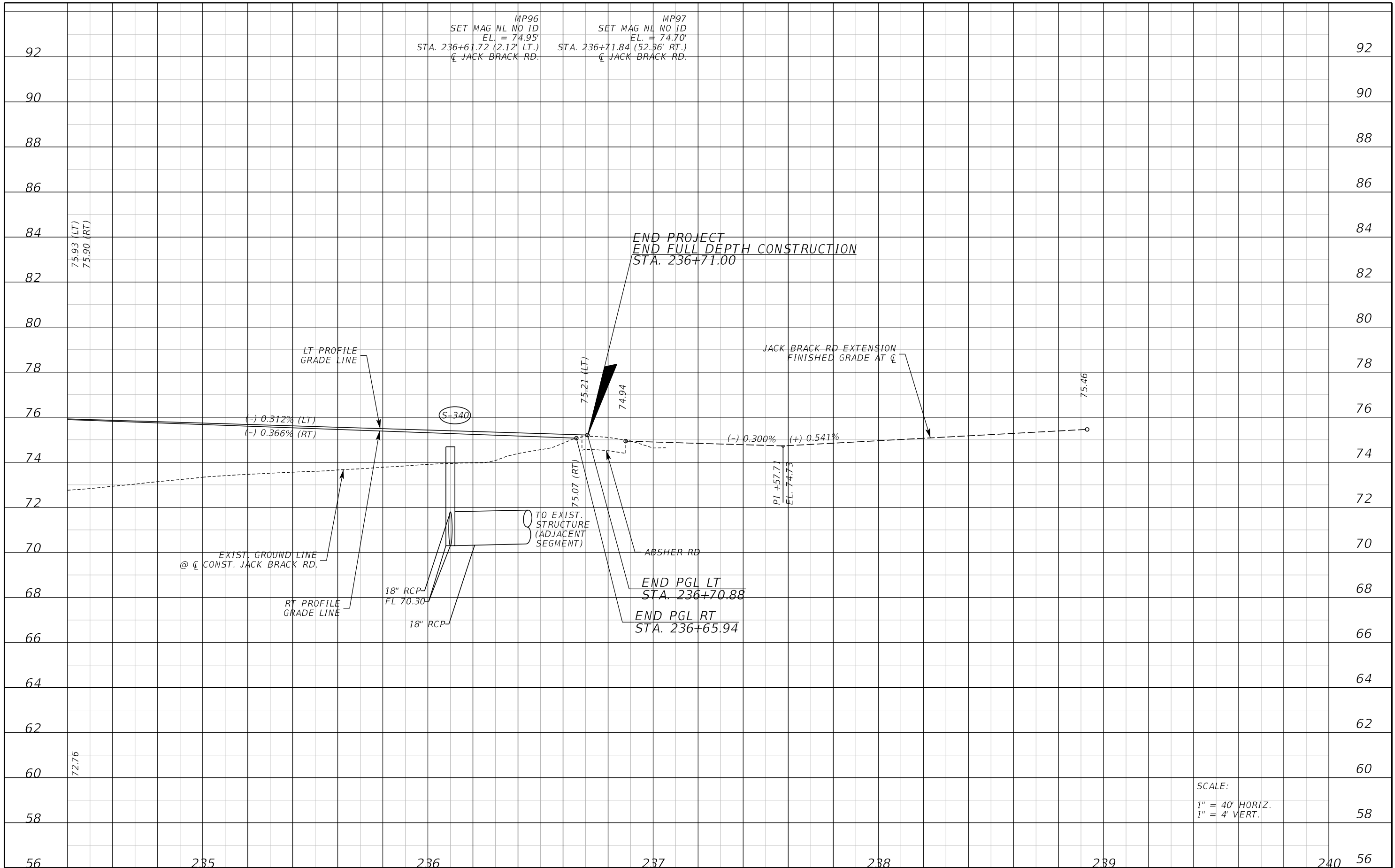
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
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ROADWAY PROFILE

SHEET NO.
90

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MP96
SET MAG NL NO ID
EL. = 74.95'
STA. 236+61.72 (2.12' LT.)
CL JACK BRACK RD.


MP97
SET MAG NL NO ID
EL. = 74.70'
STA. 236+71.84 (52.36' RT.)
CL JACK BRACK RD.

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

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Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

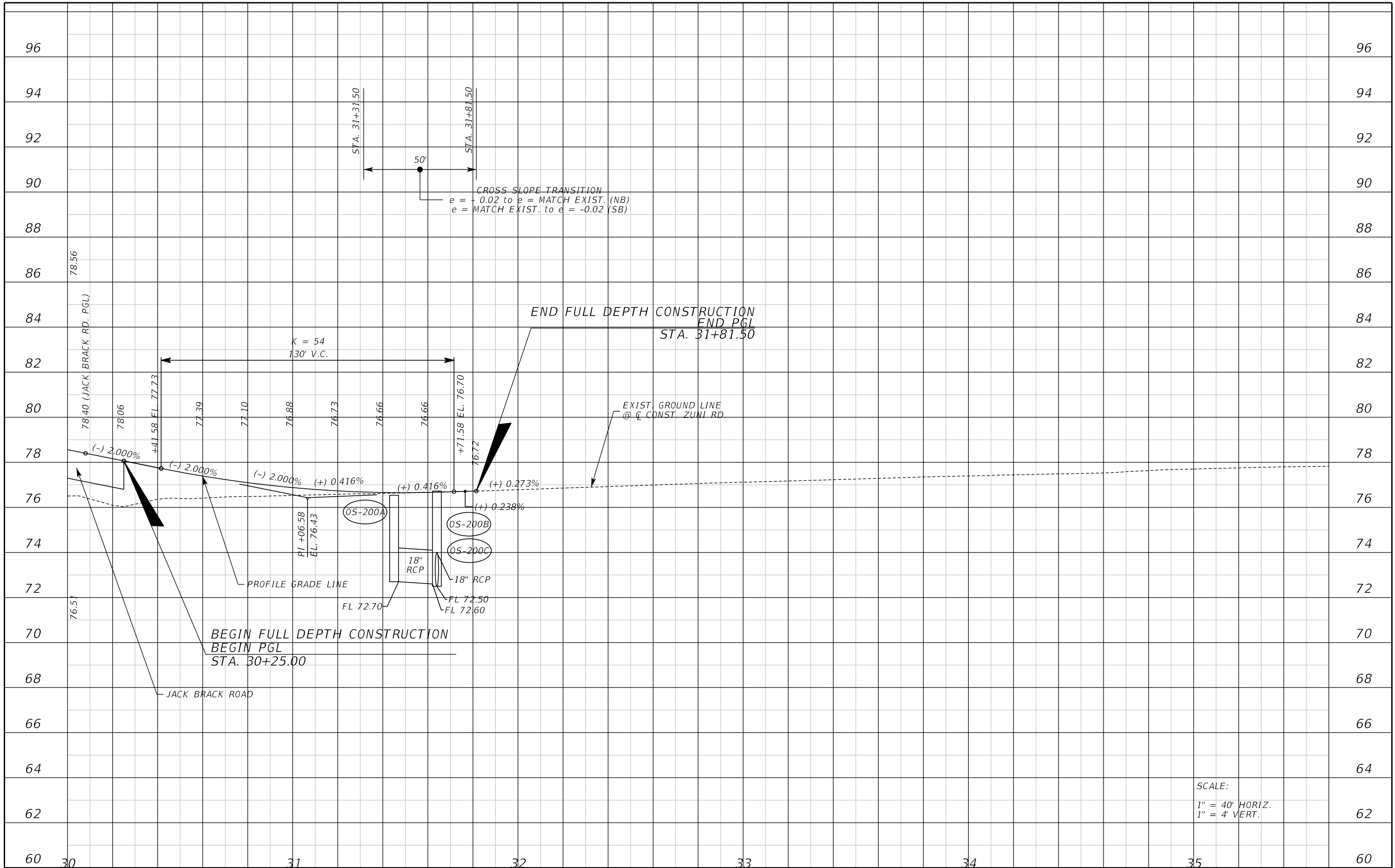


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ROADWAY PROFILE

SHEET
NO.
91

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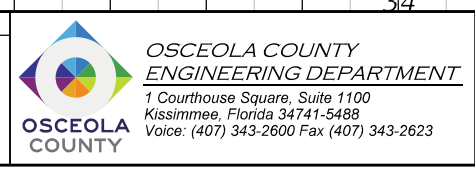


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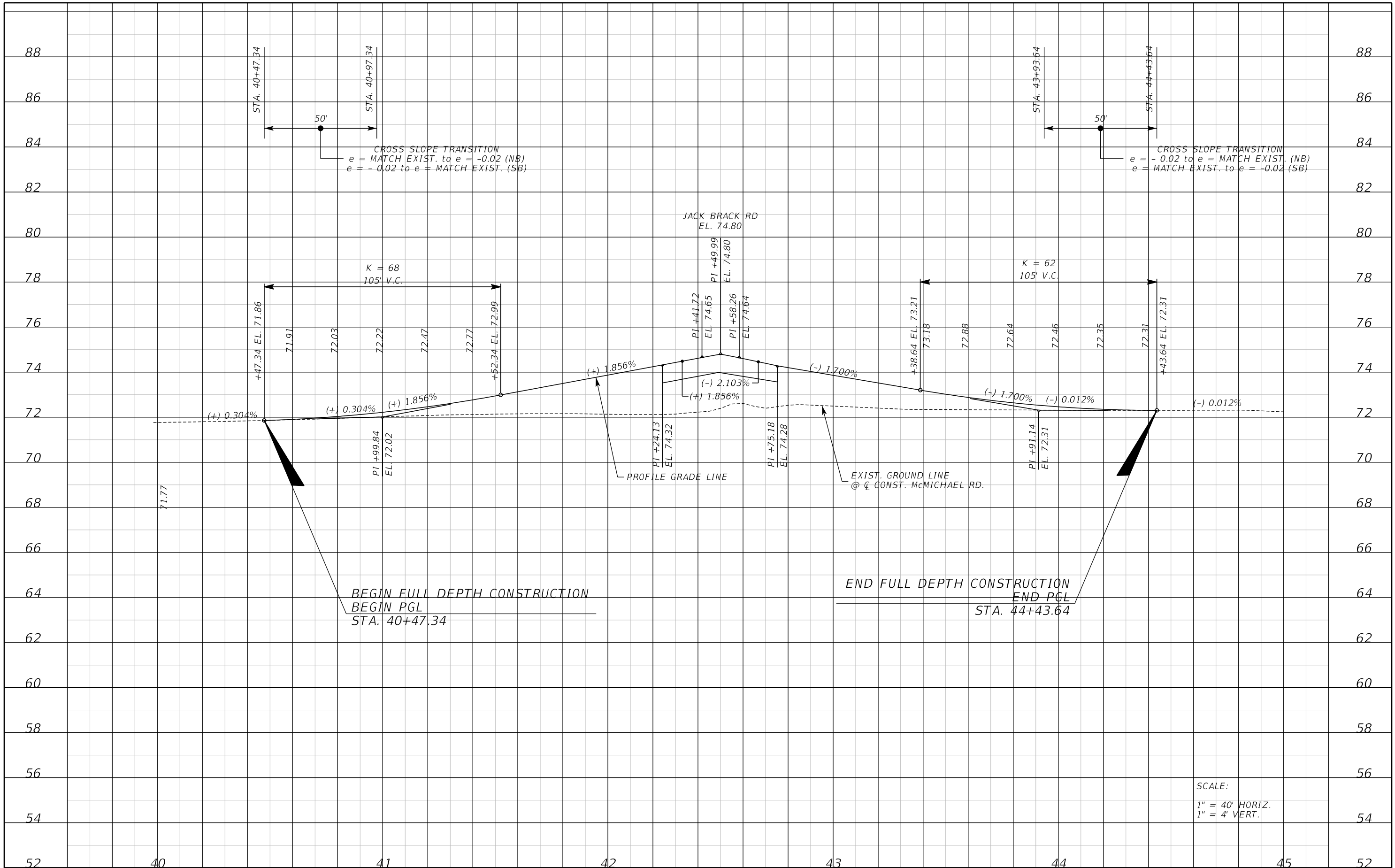
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
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**ROADWAY PROFILE
ZUNI ROAD**

SHEET NO.
92

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.



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Oviedo, Florida 32765

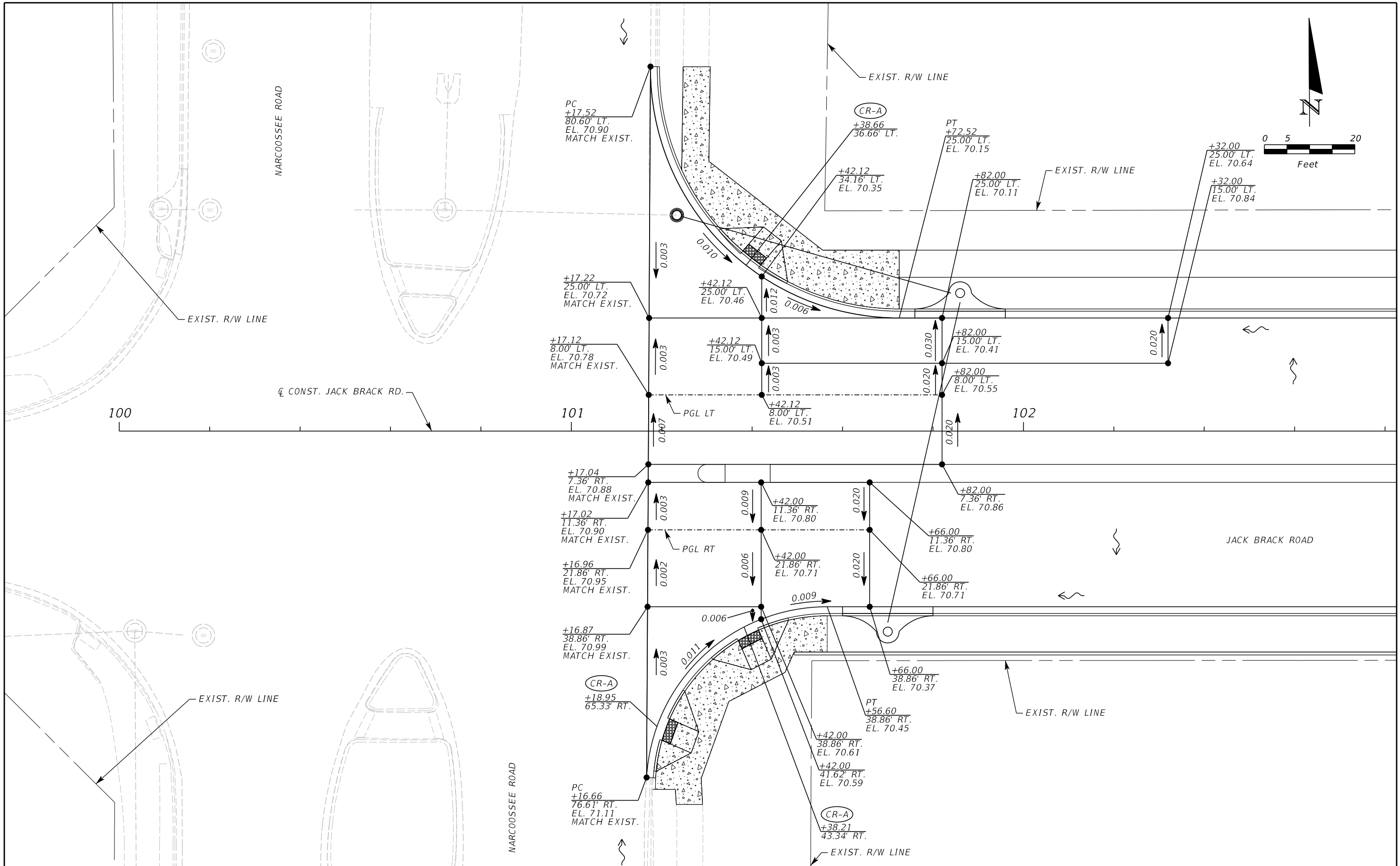


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**ROADWAY PROFILE
MCMICHAEL ROAD**

SHEET NO.
93

SCALE:
1" = 40' HORIZ.
1" = 4' VERT.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

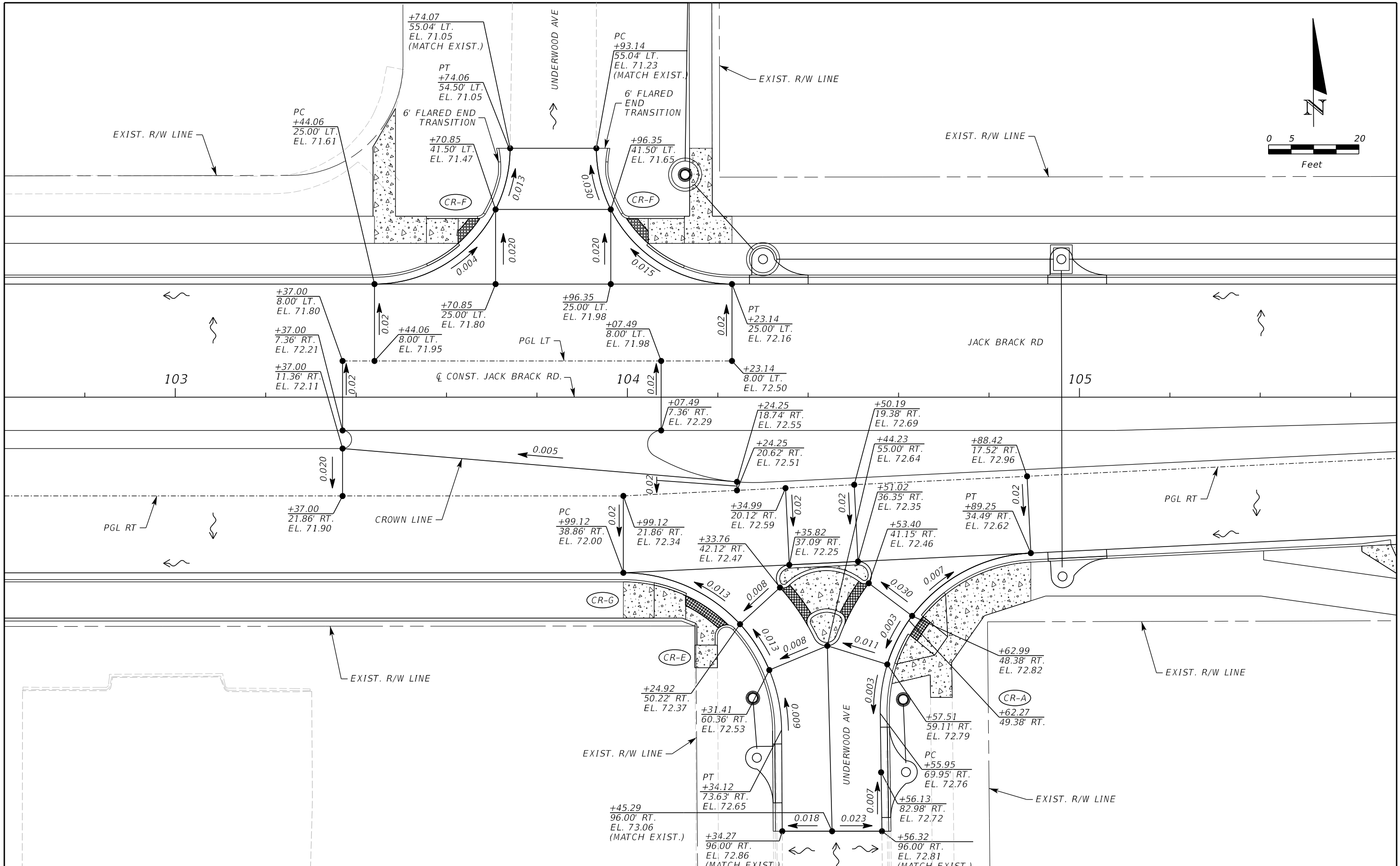
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765


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**JACK BRACK ROAD
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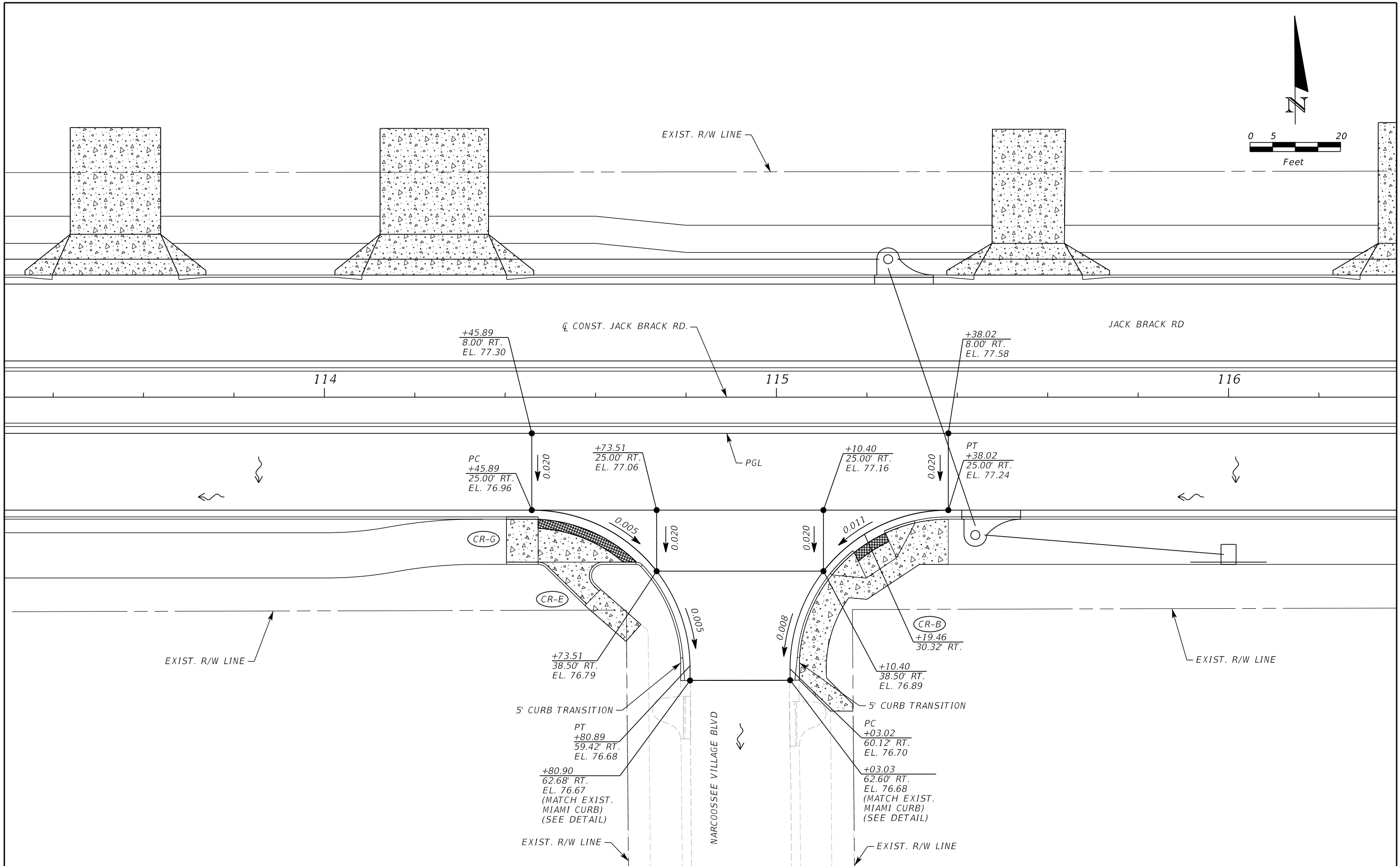
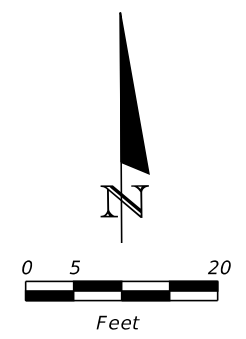
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



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95



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

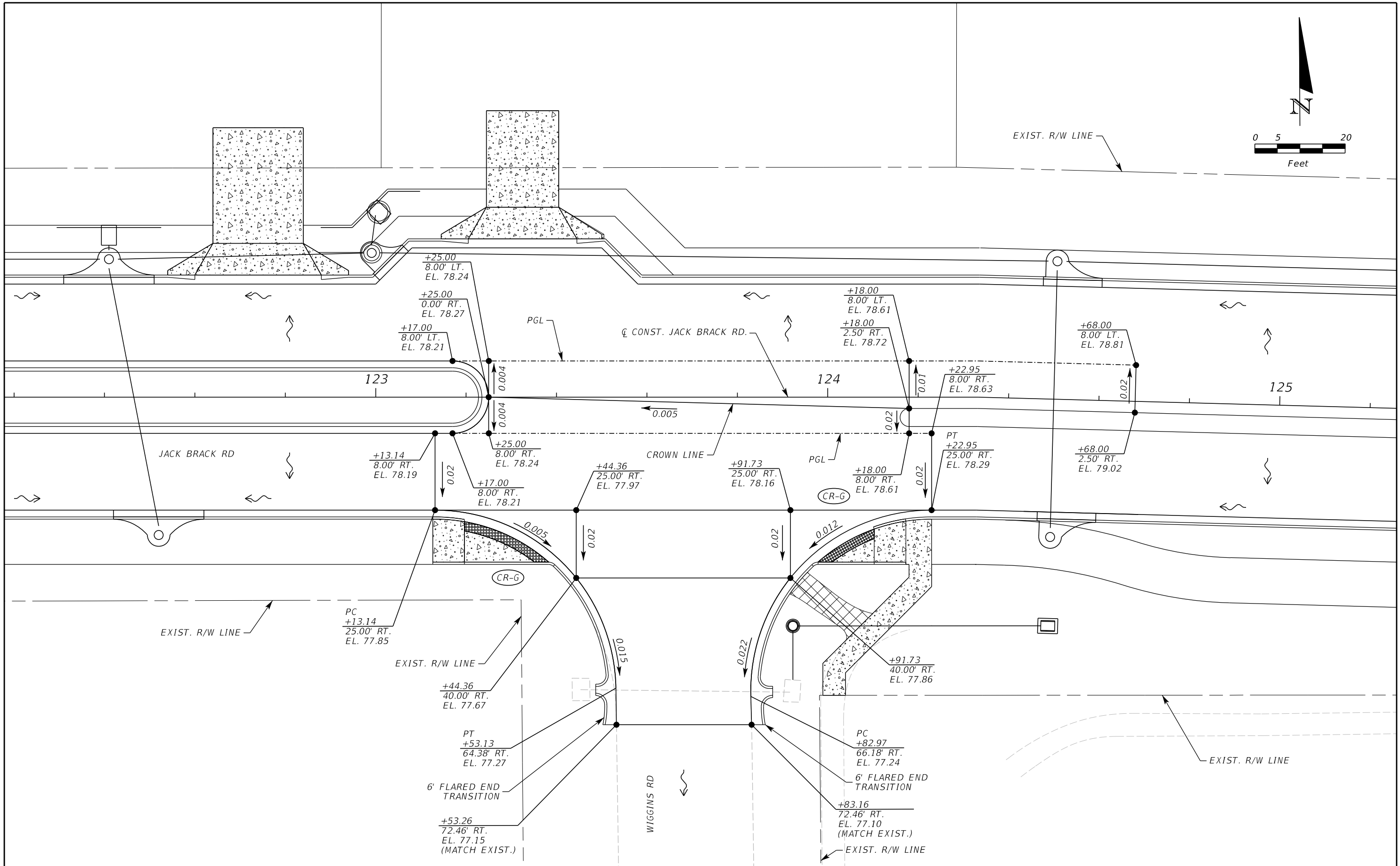
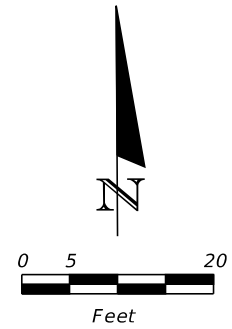
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

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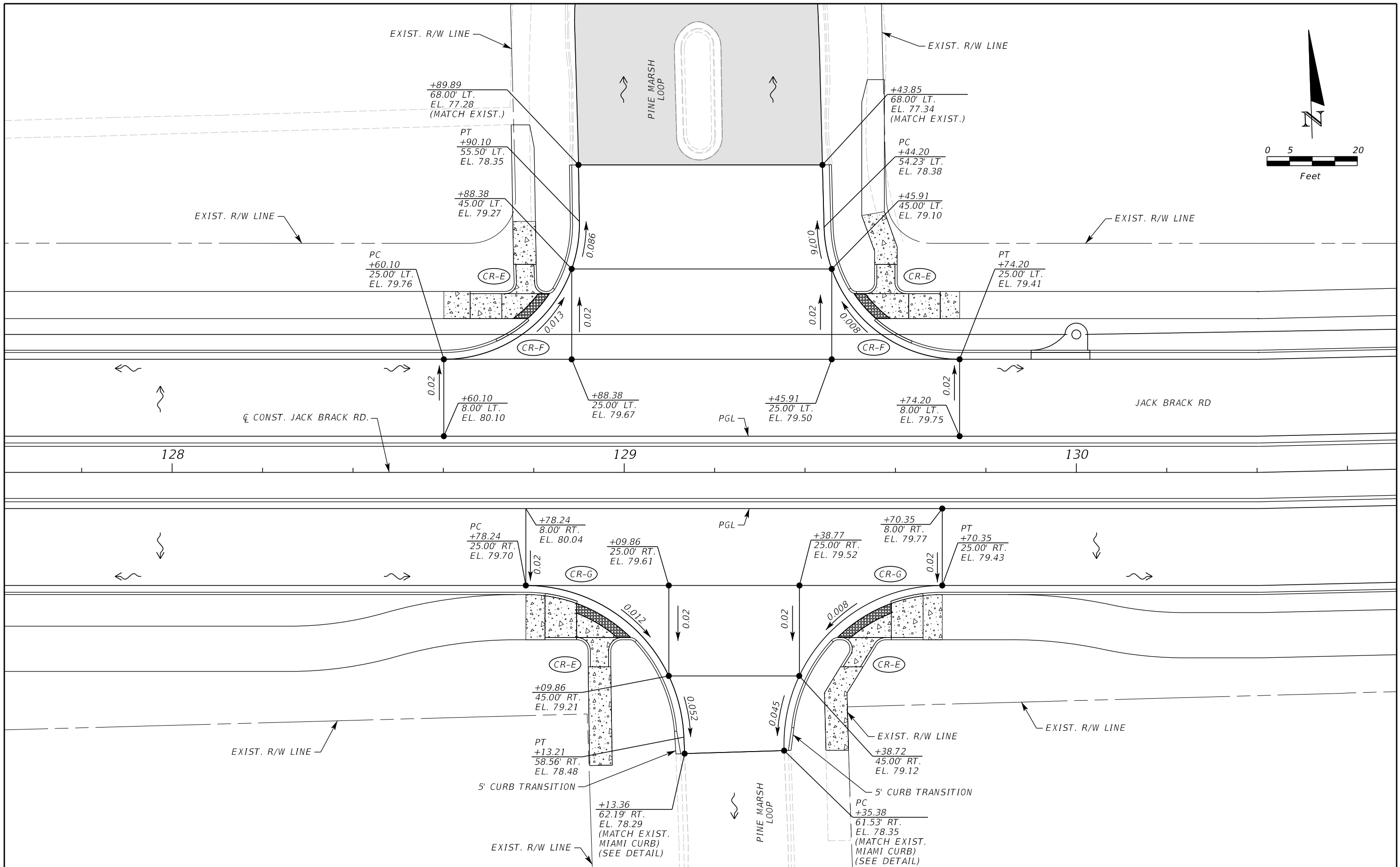
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

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 Kissimmee, Florida 34741-5488
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DATE	BY	DESCRIPTION

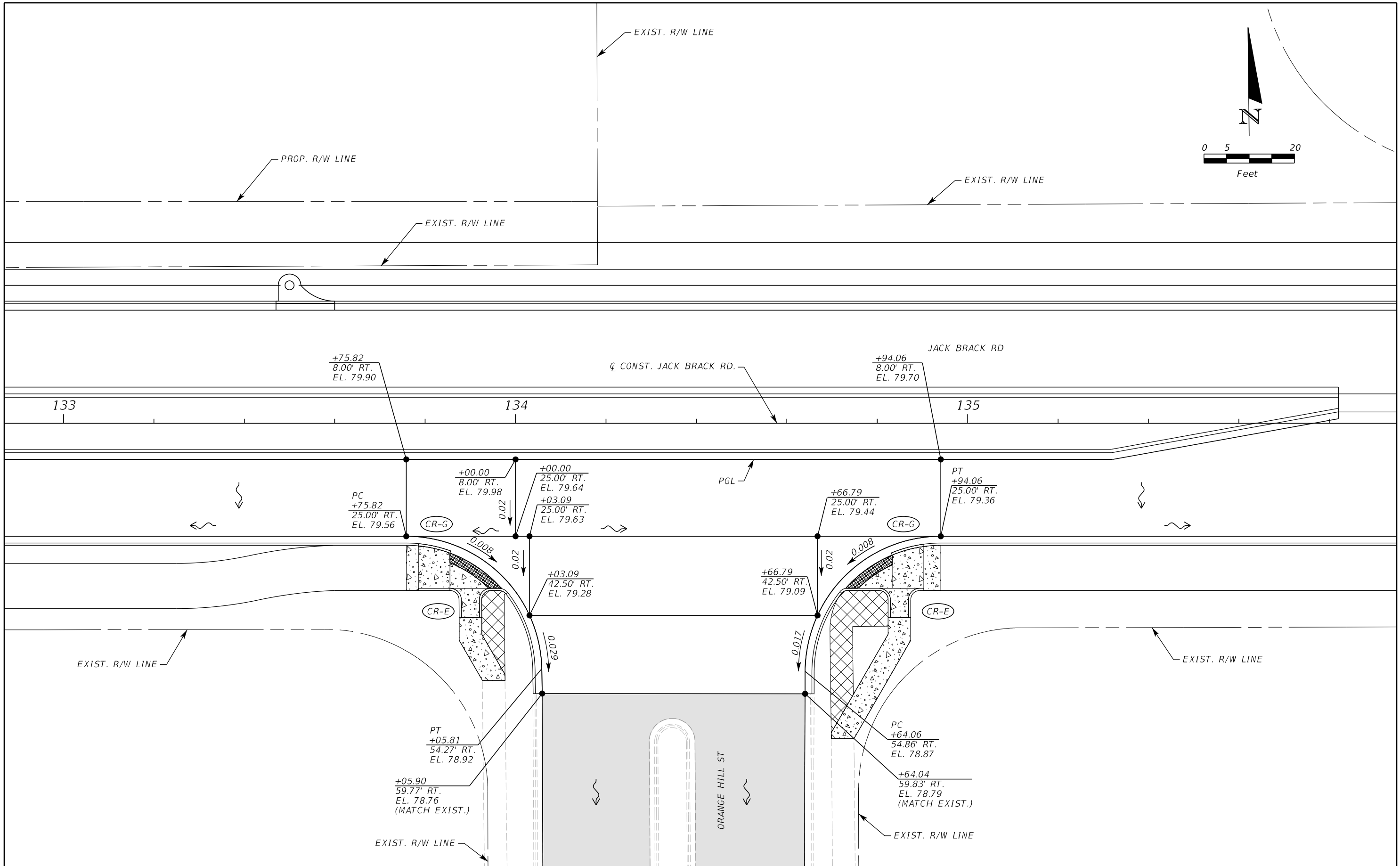
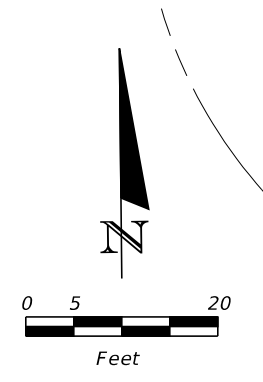
**JACK BRACK ROAD
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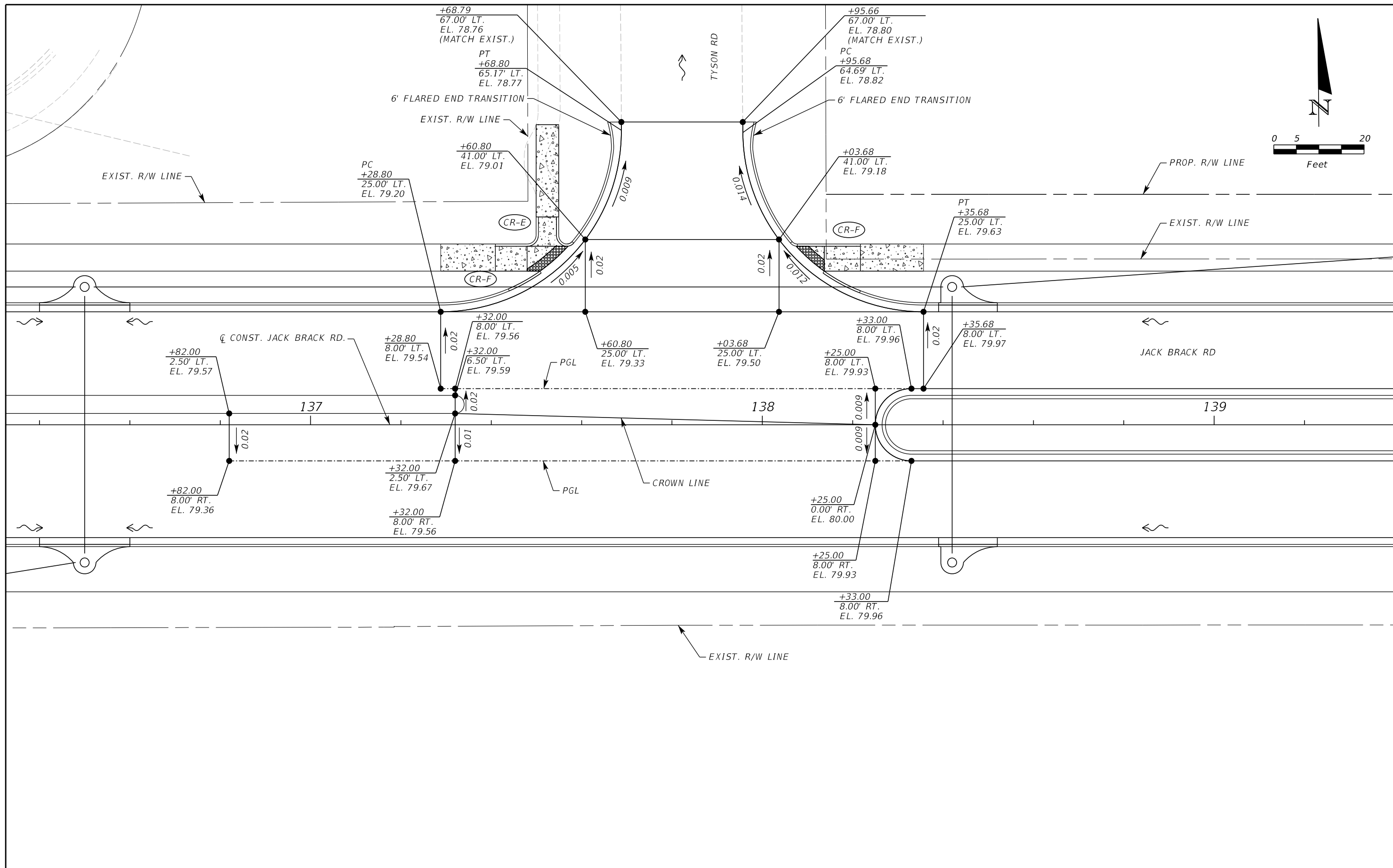
ENGINEER OF RECORD
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 Oviedo, Florida 32765



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 1 Courthouse Square, Suite 1100
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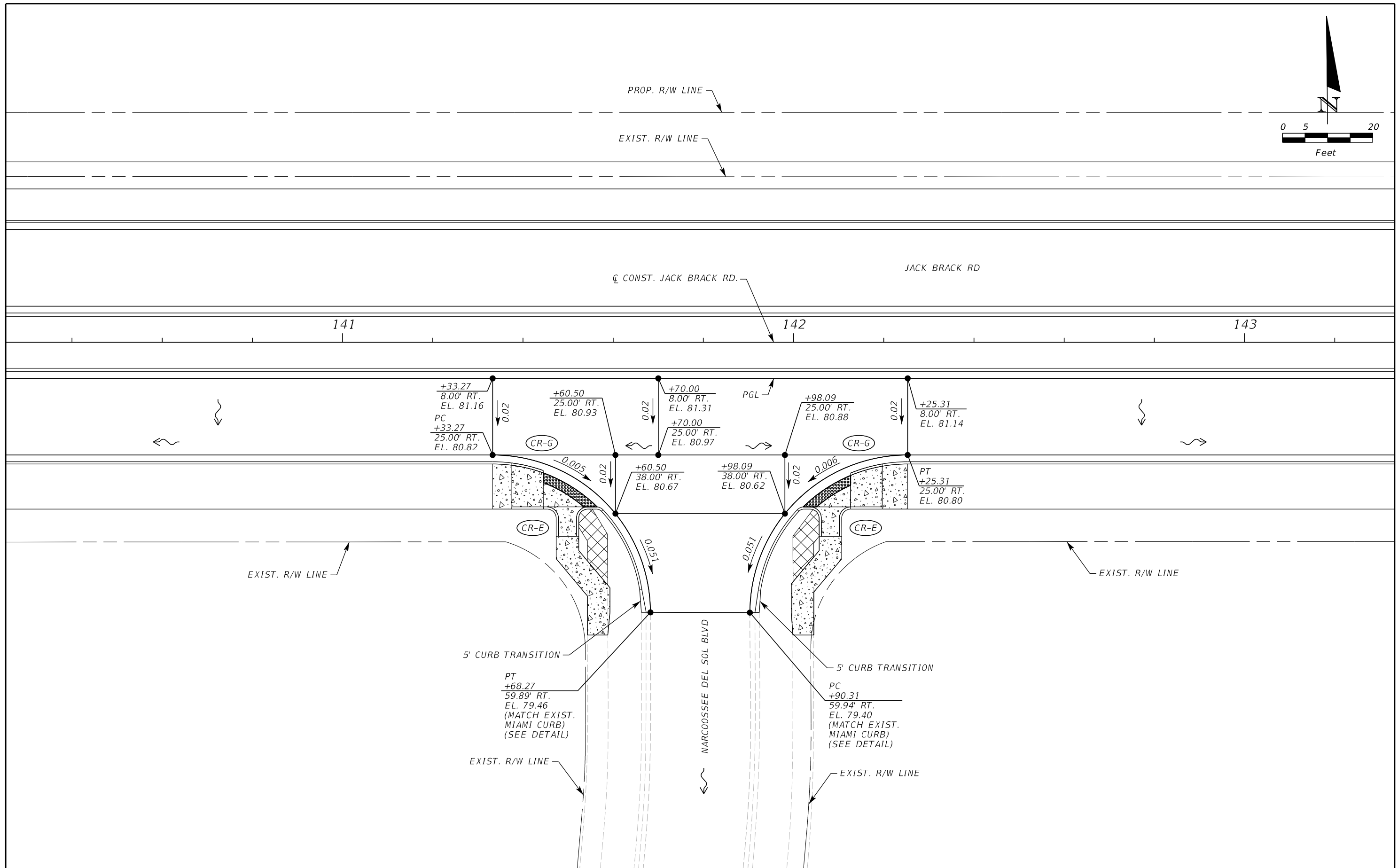
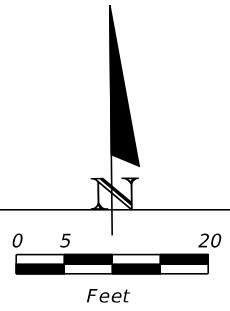
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DATE	BY	DESCRIPTION					100



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

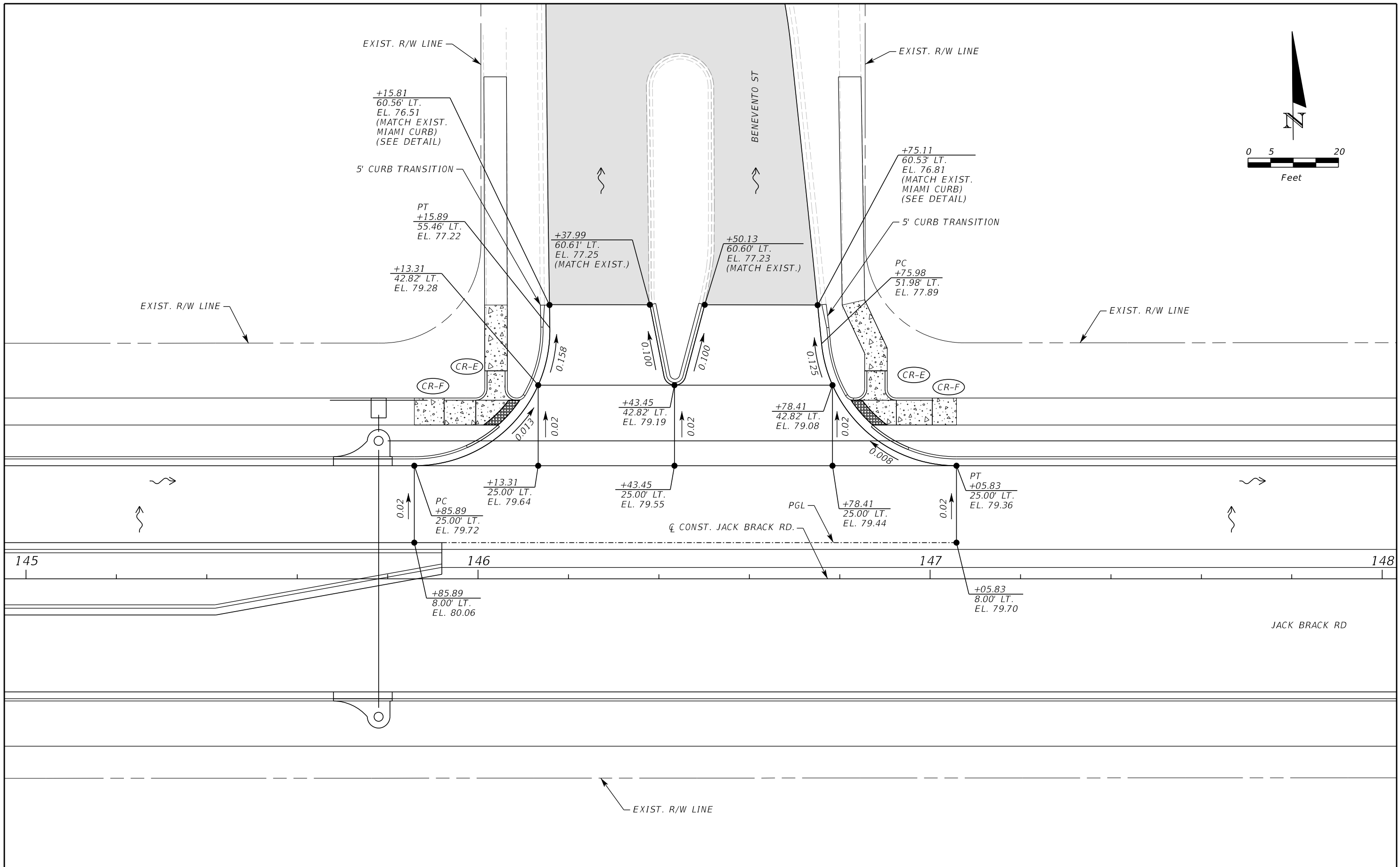
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765

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SHEET NO.
101

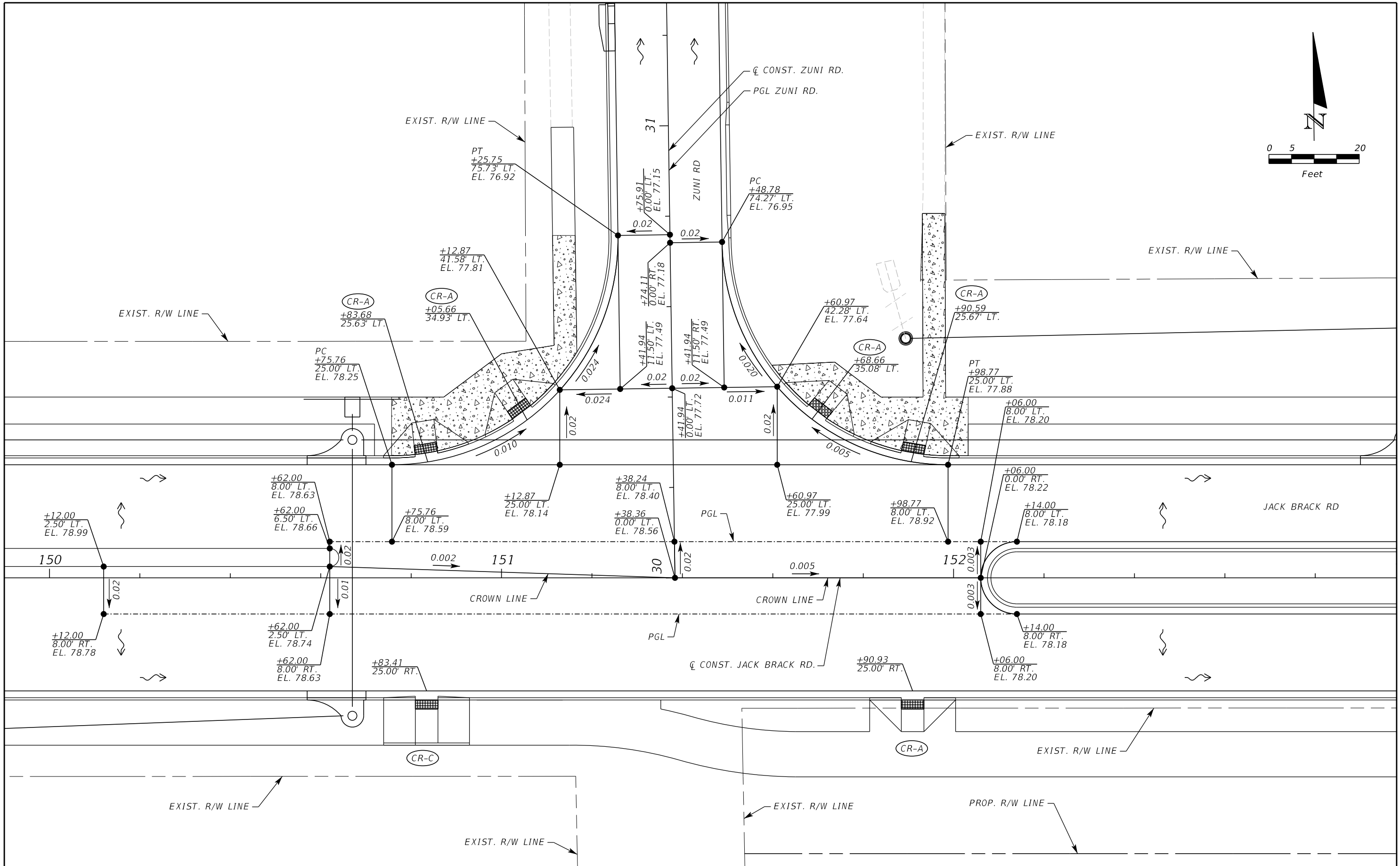
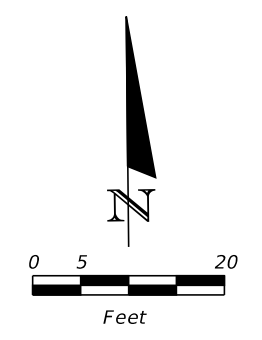
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DATE	BY	DESCRIPTION			

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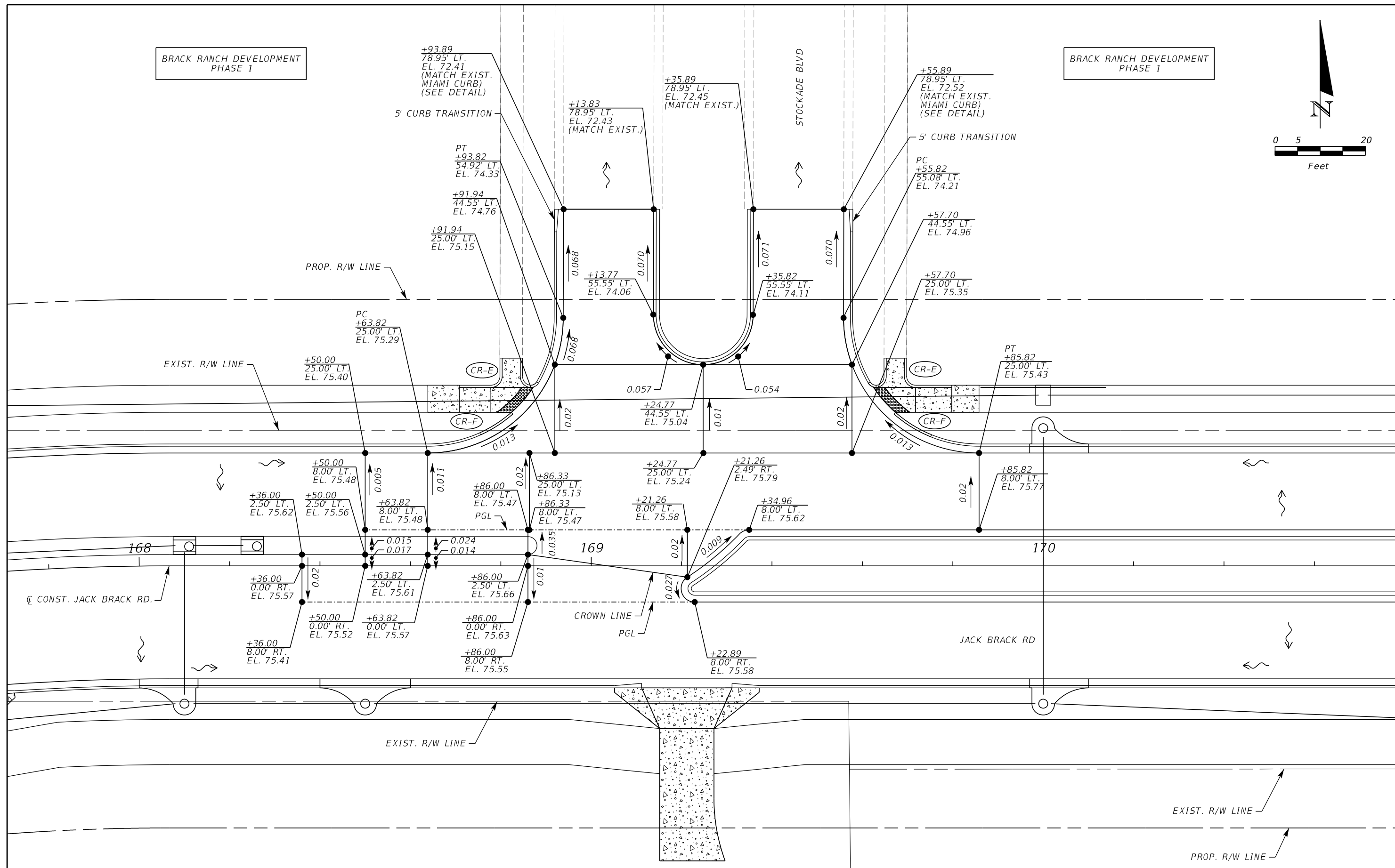
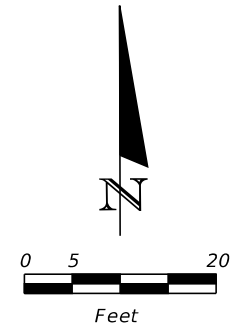


REVISIONS			DATE	BY	DESCRIPTION
NO.	DATE	DESCRIPTION			

JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765		 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	GRADING DETAIL	SHEET NO.
	103				

BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

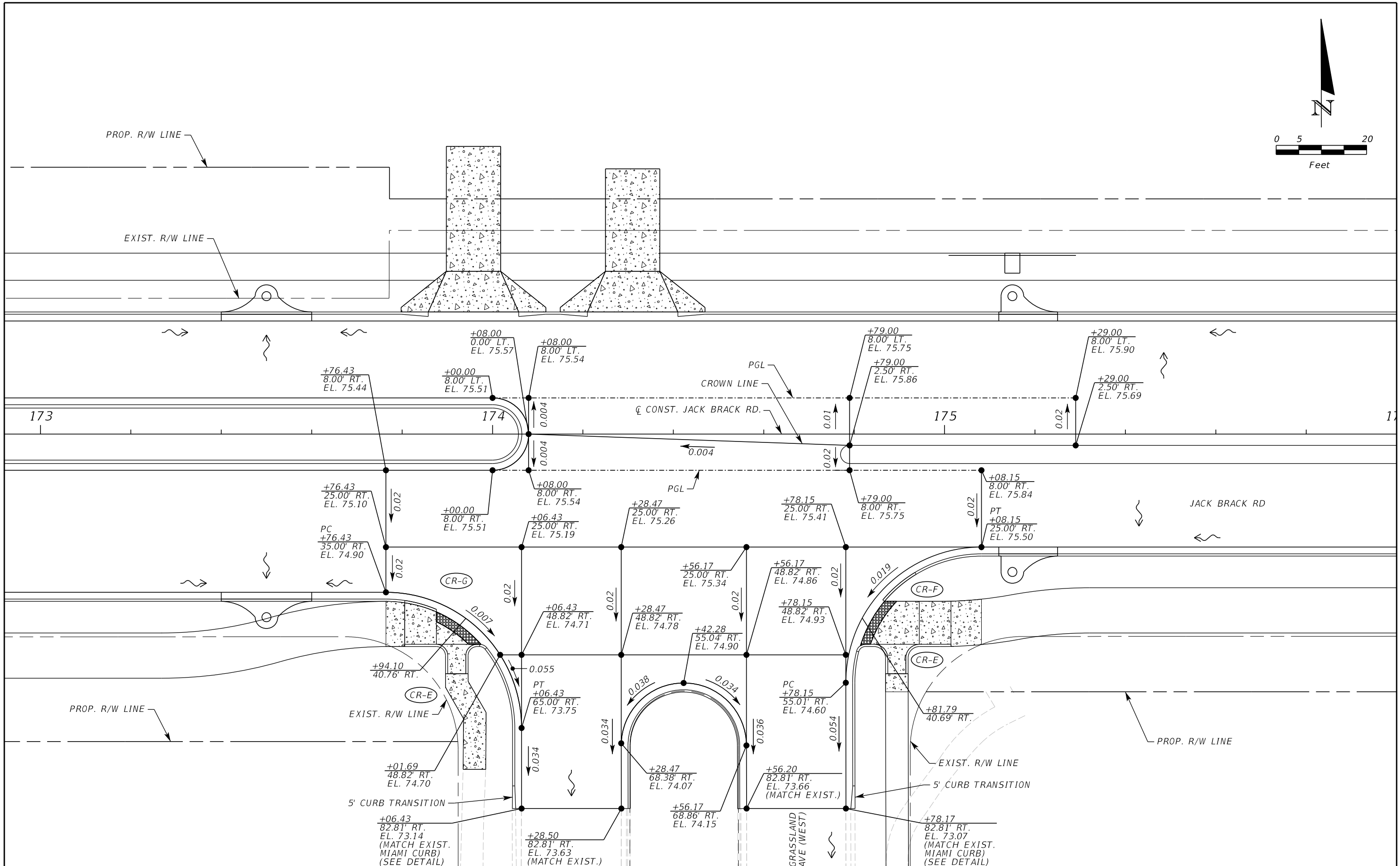
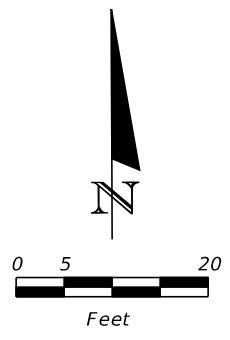
ENGINEER OF RECORD
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PE No. 71527
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Oviedo, Florida 32765

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104

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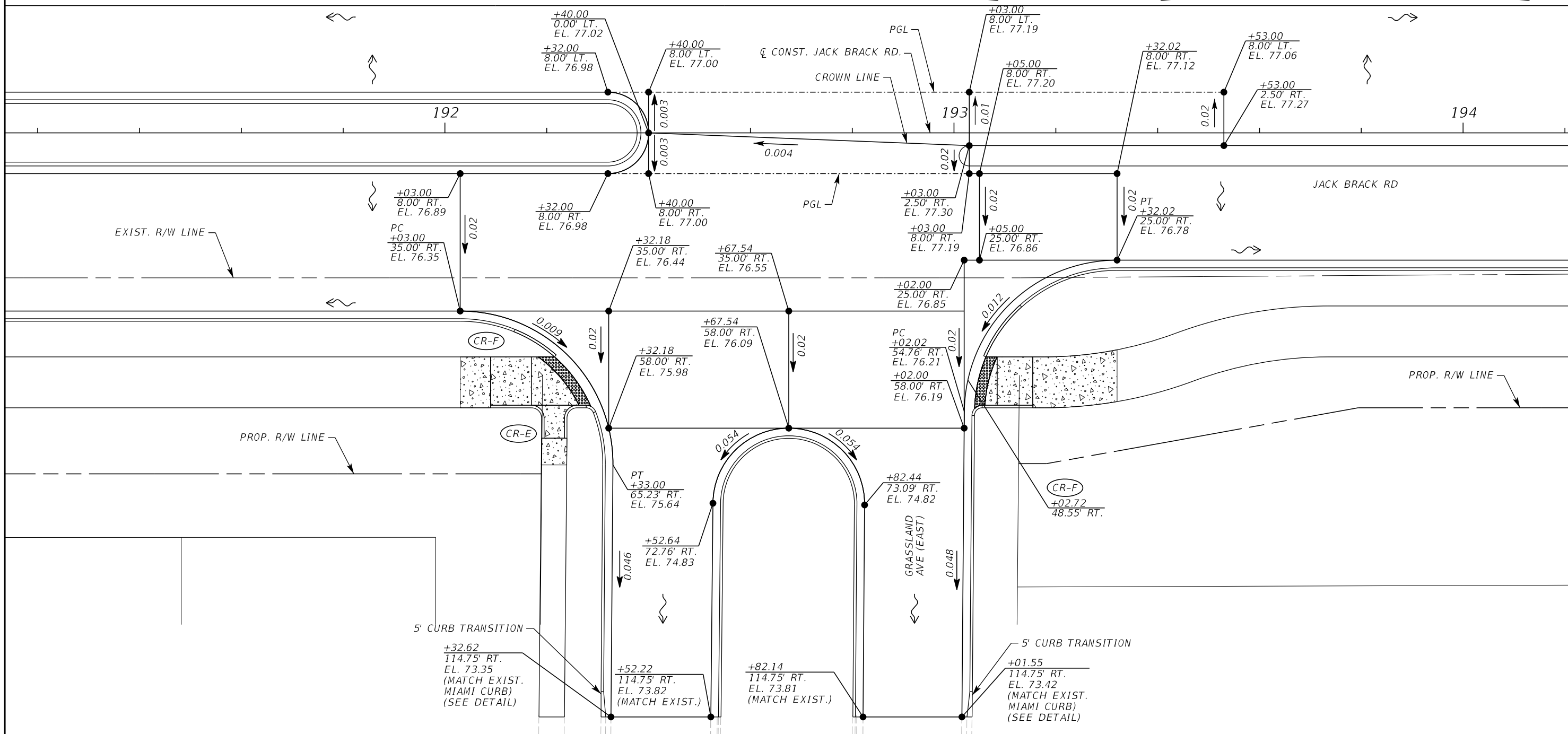
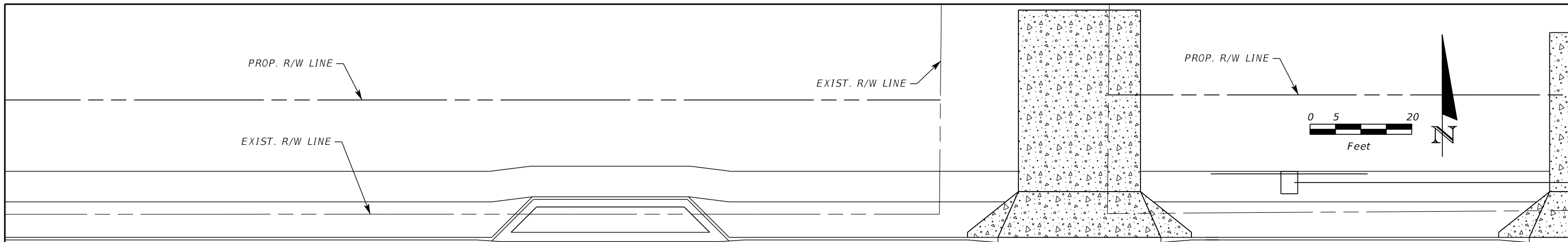
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

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 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

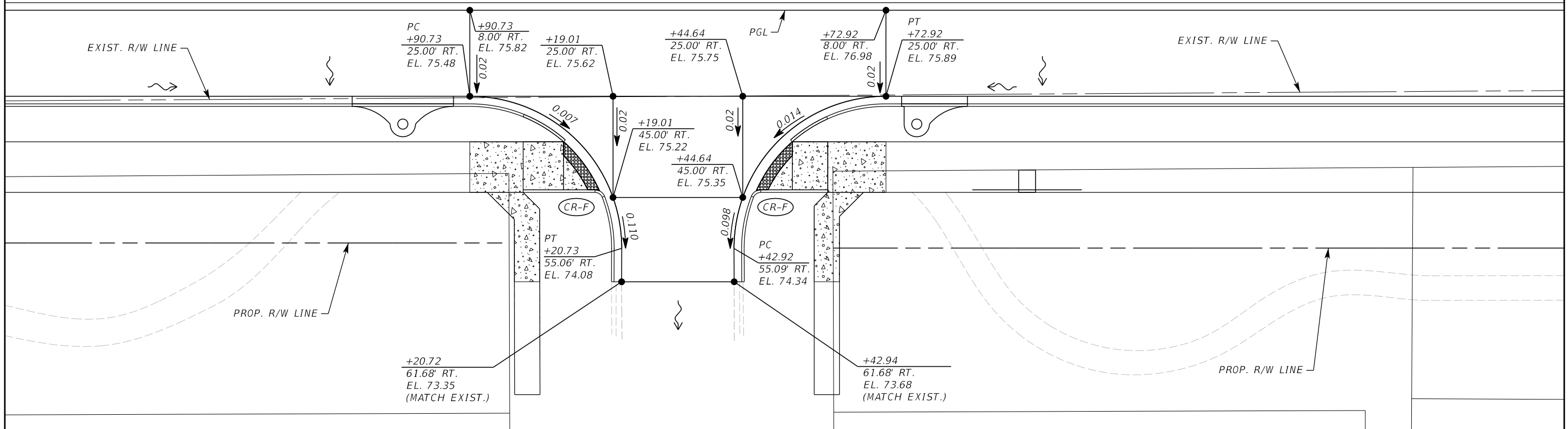
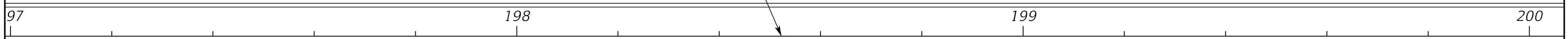
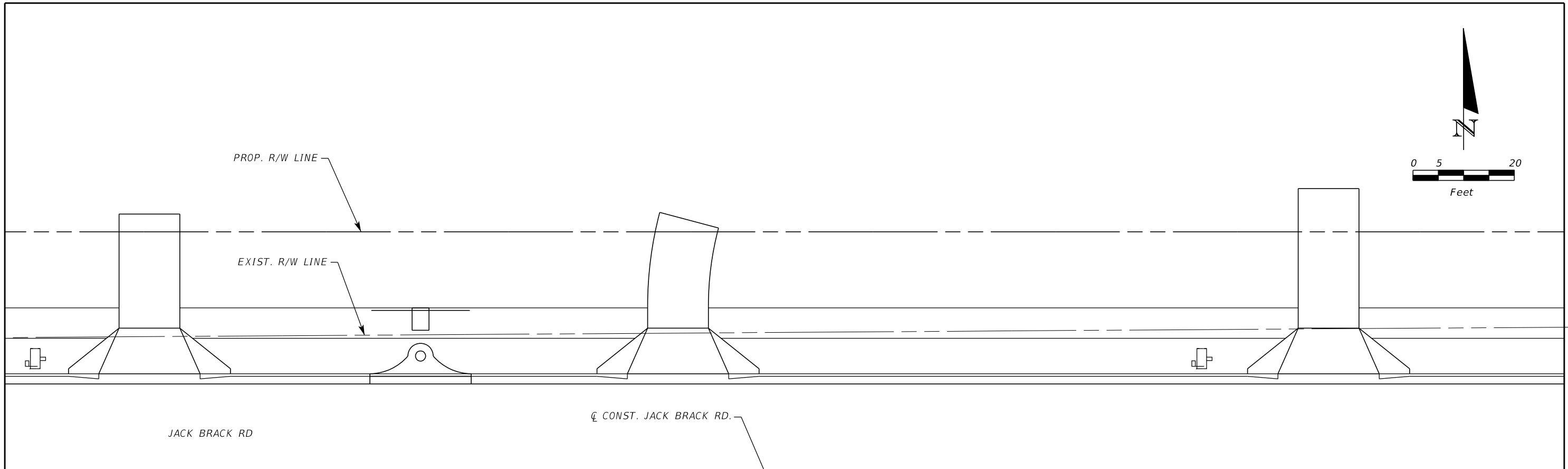
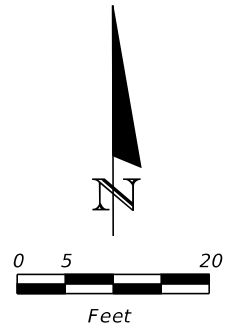


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GRADING DETAIL

SHEET NO.
106

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**JACK BRACK ROAD
WIDENING**

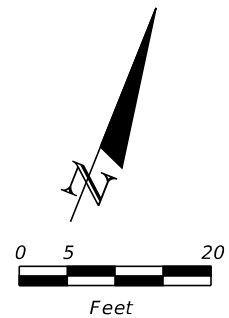
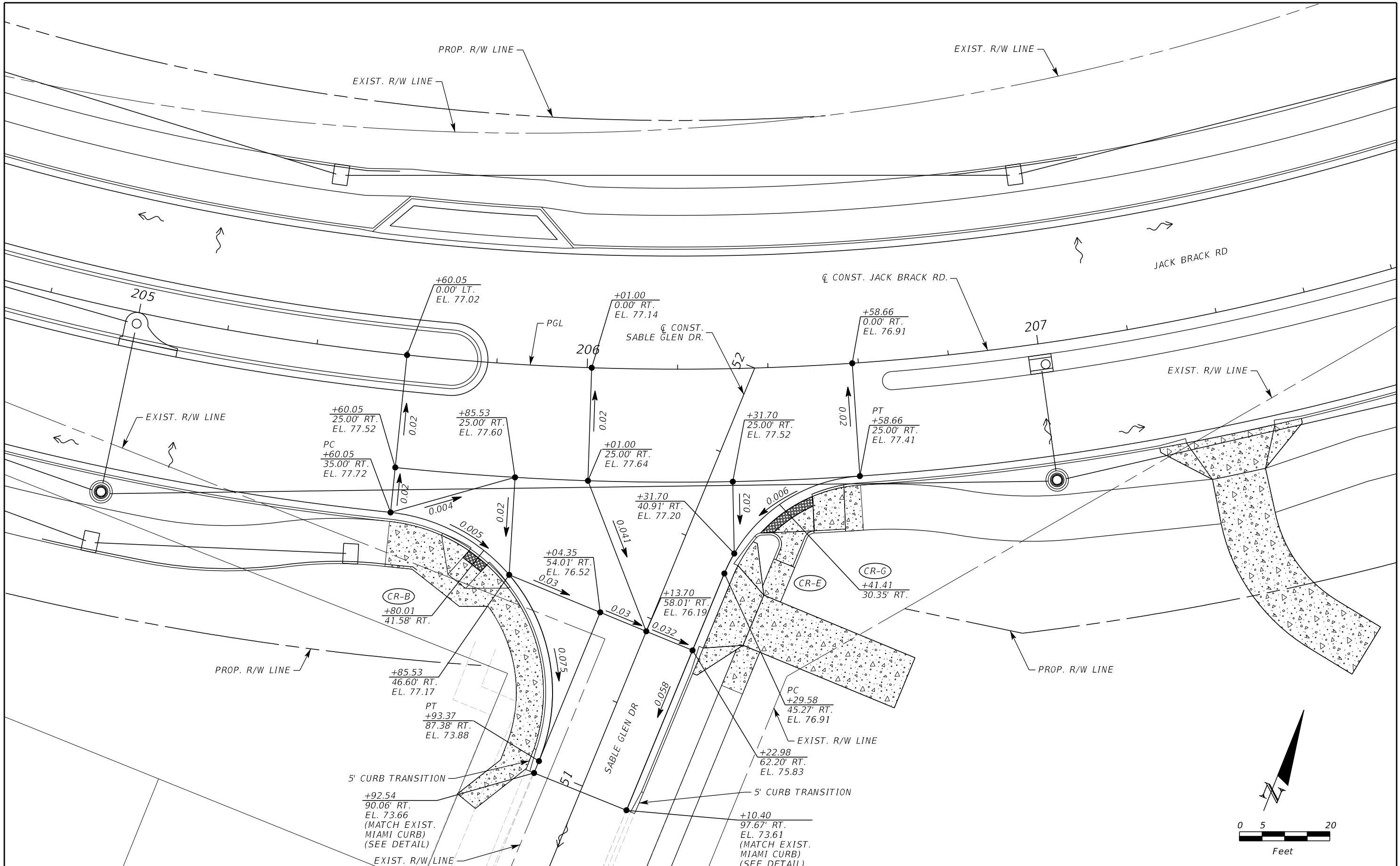
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
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107

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**JACK BRACK ROAD
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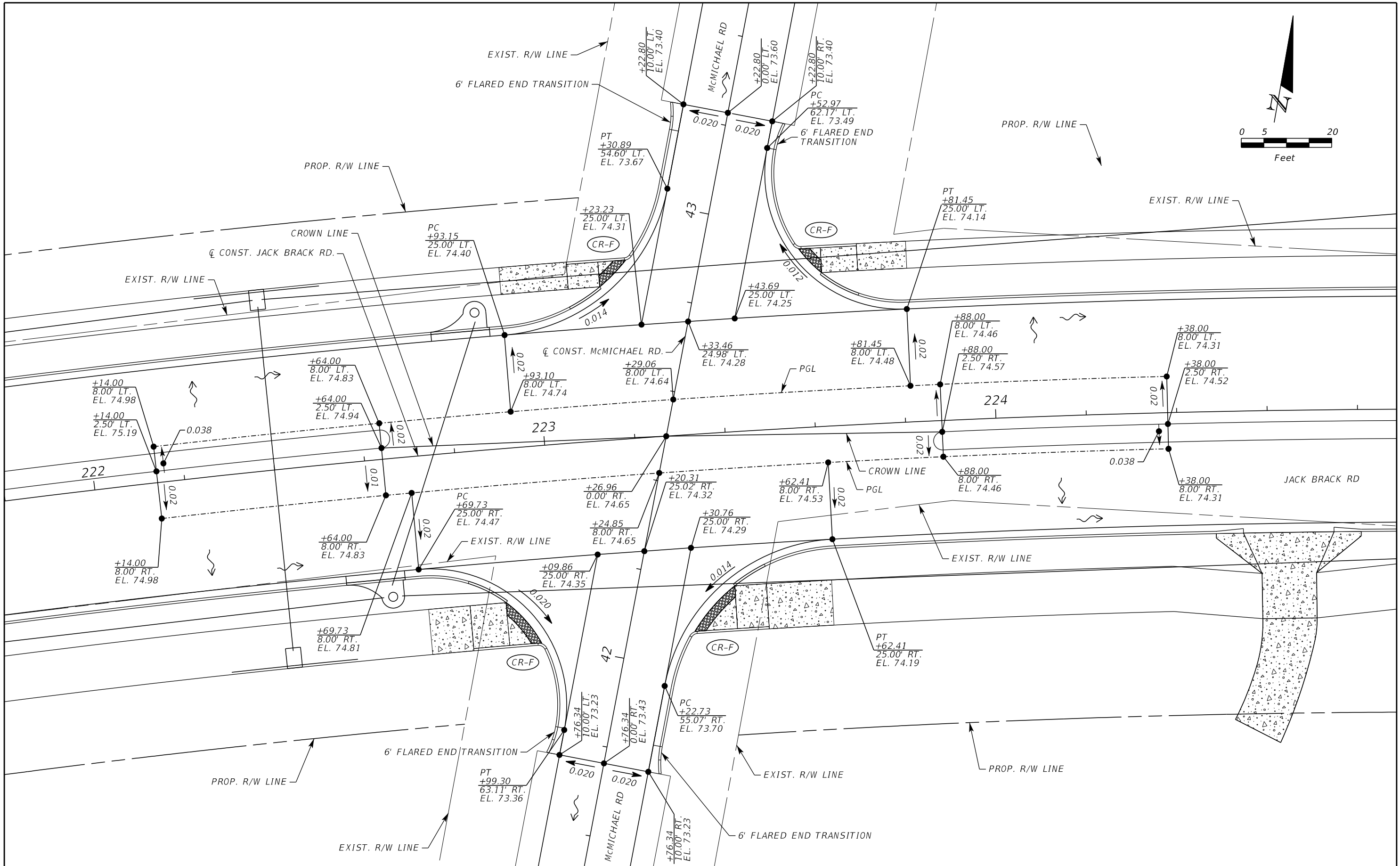
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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DATE	BY	DESCRIPTION

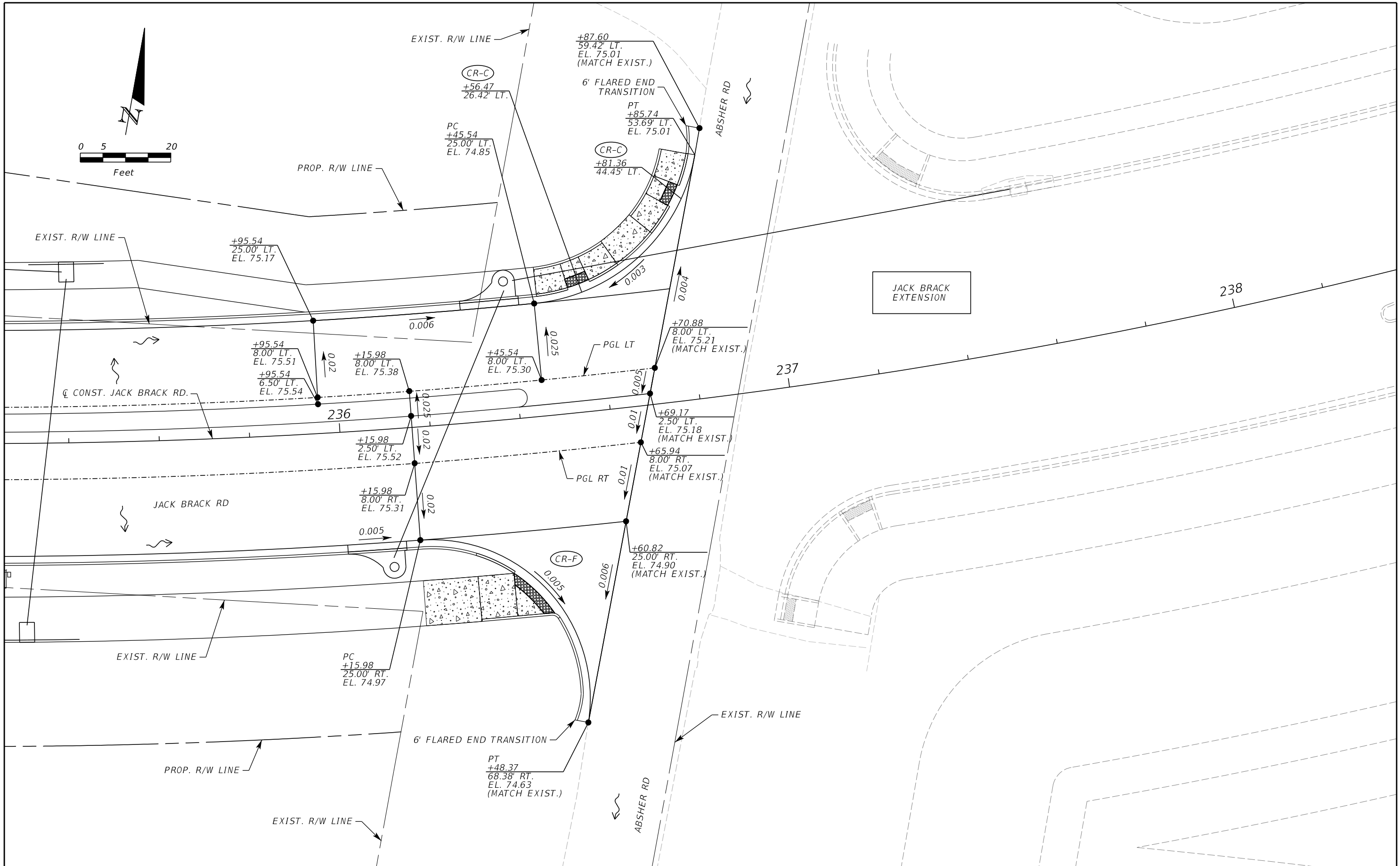
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765


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109



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DATE	BY	DESCRIPTION

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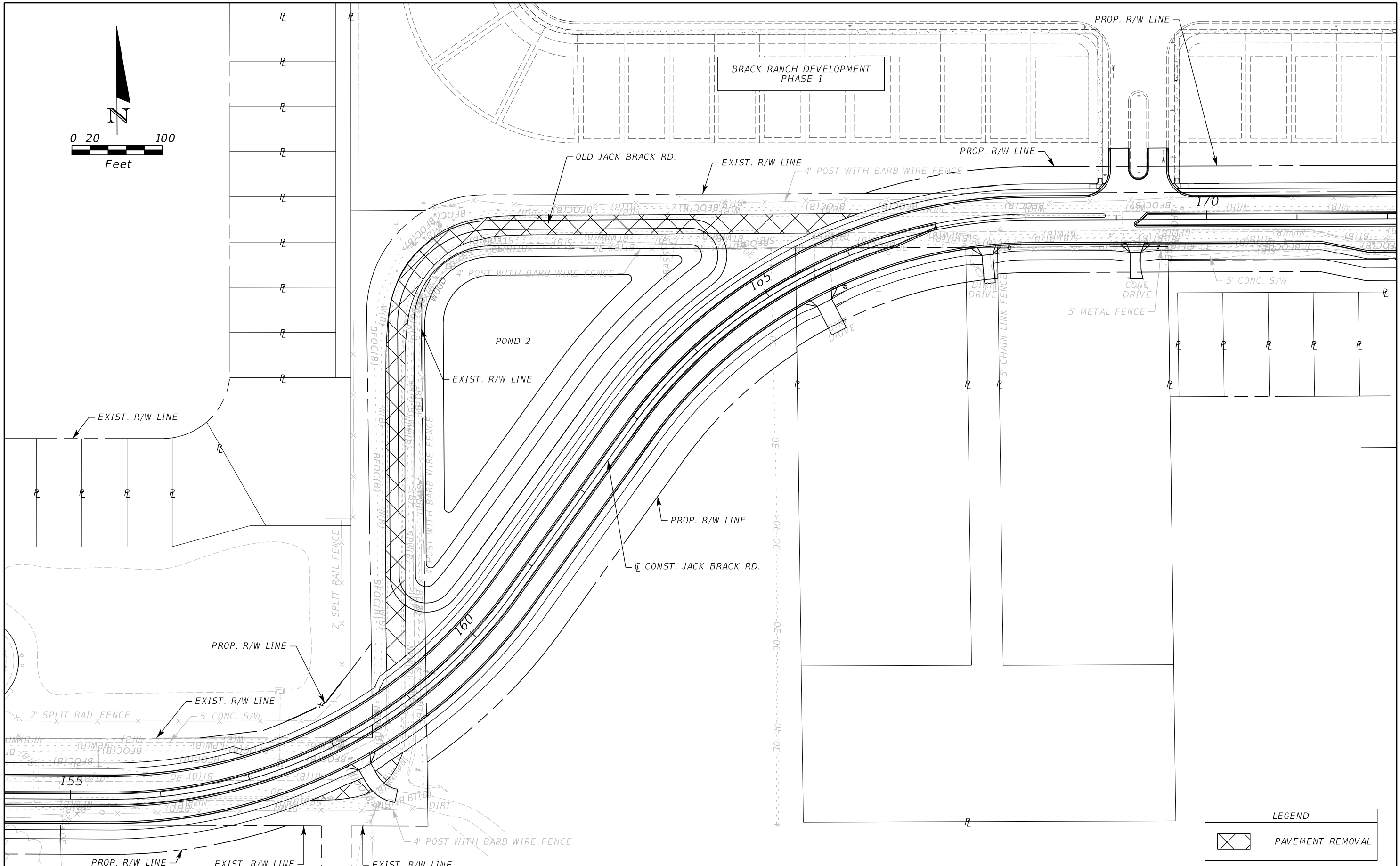
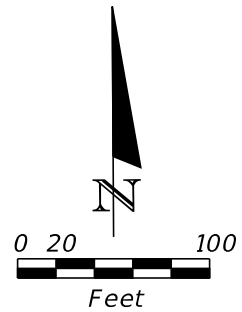
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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GRADING DETAIL

SHEET NO.
110



LEGEND	
	PAVEMENT REMOVAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

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 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

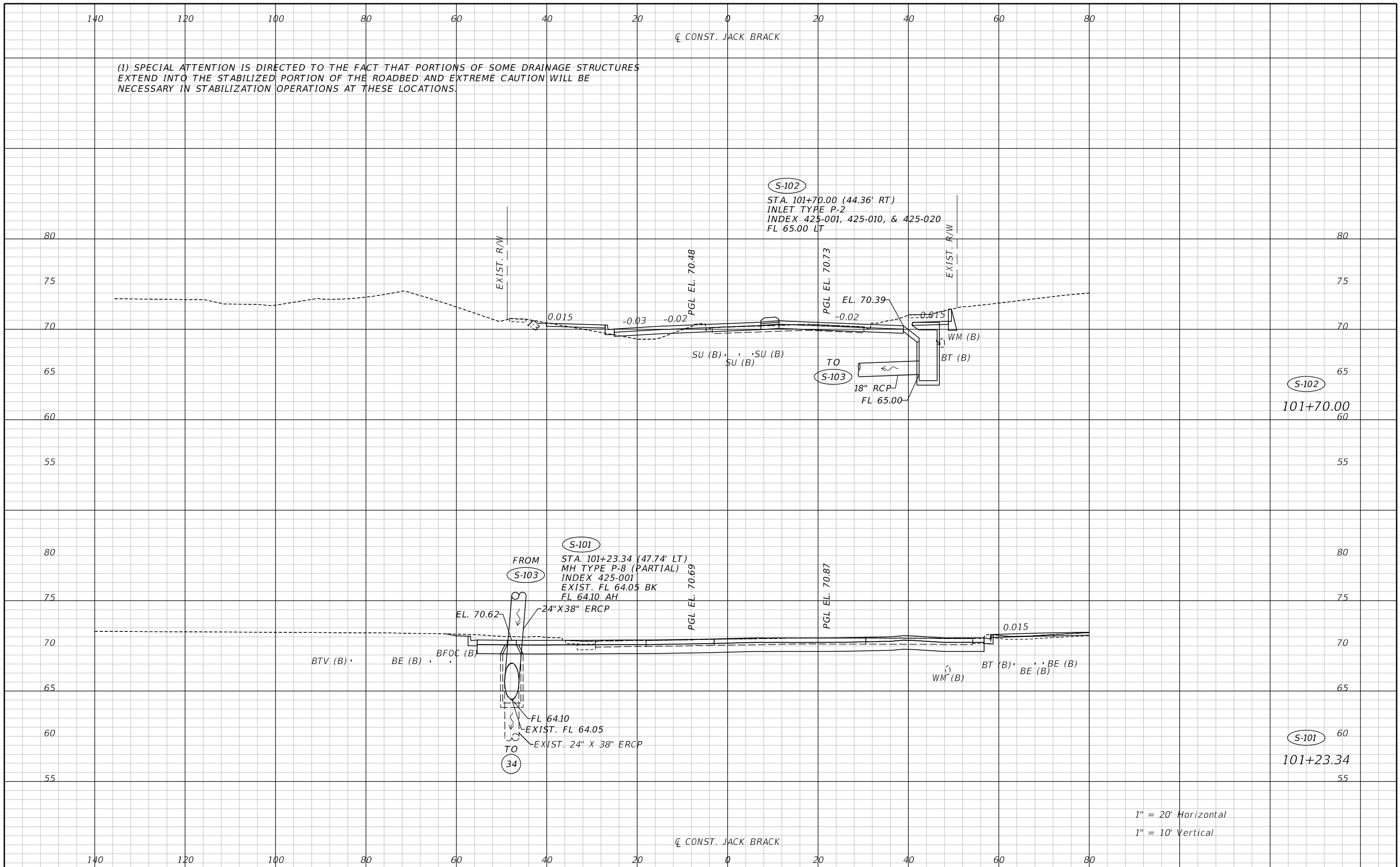


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PAVEMENT REMOVAL EXHIBIT

SHEET NO.
111

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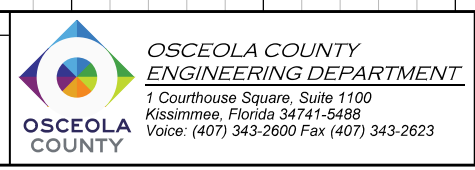
(1) SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

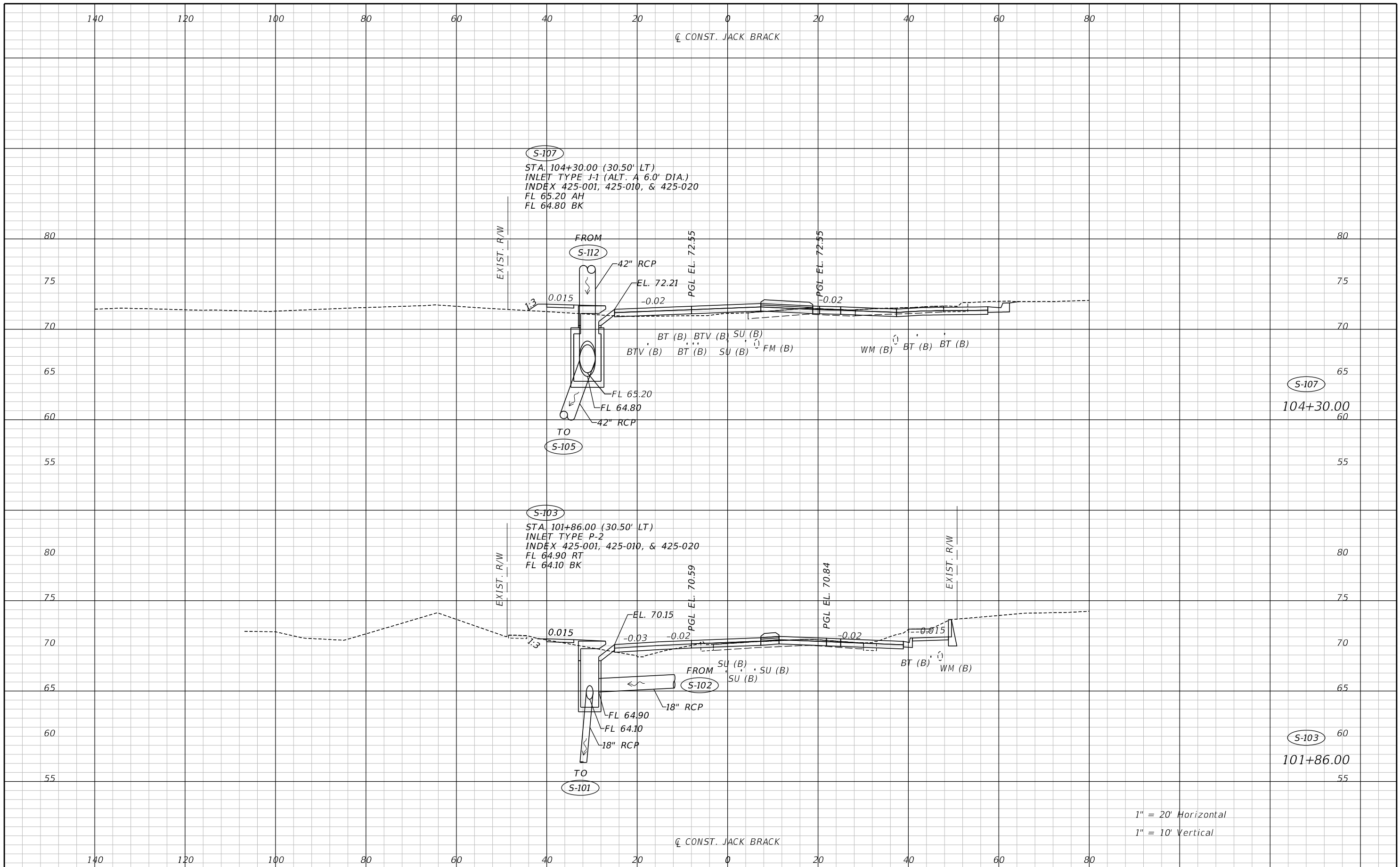
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
112

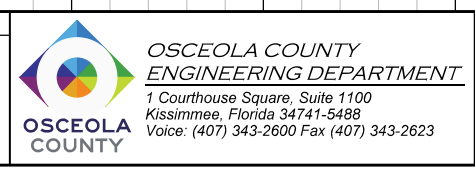
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

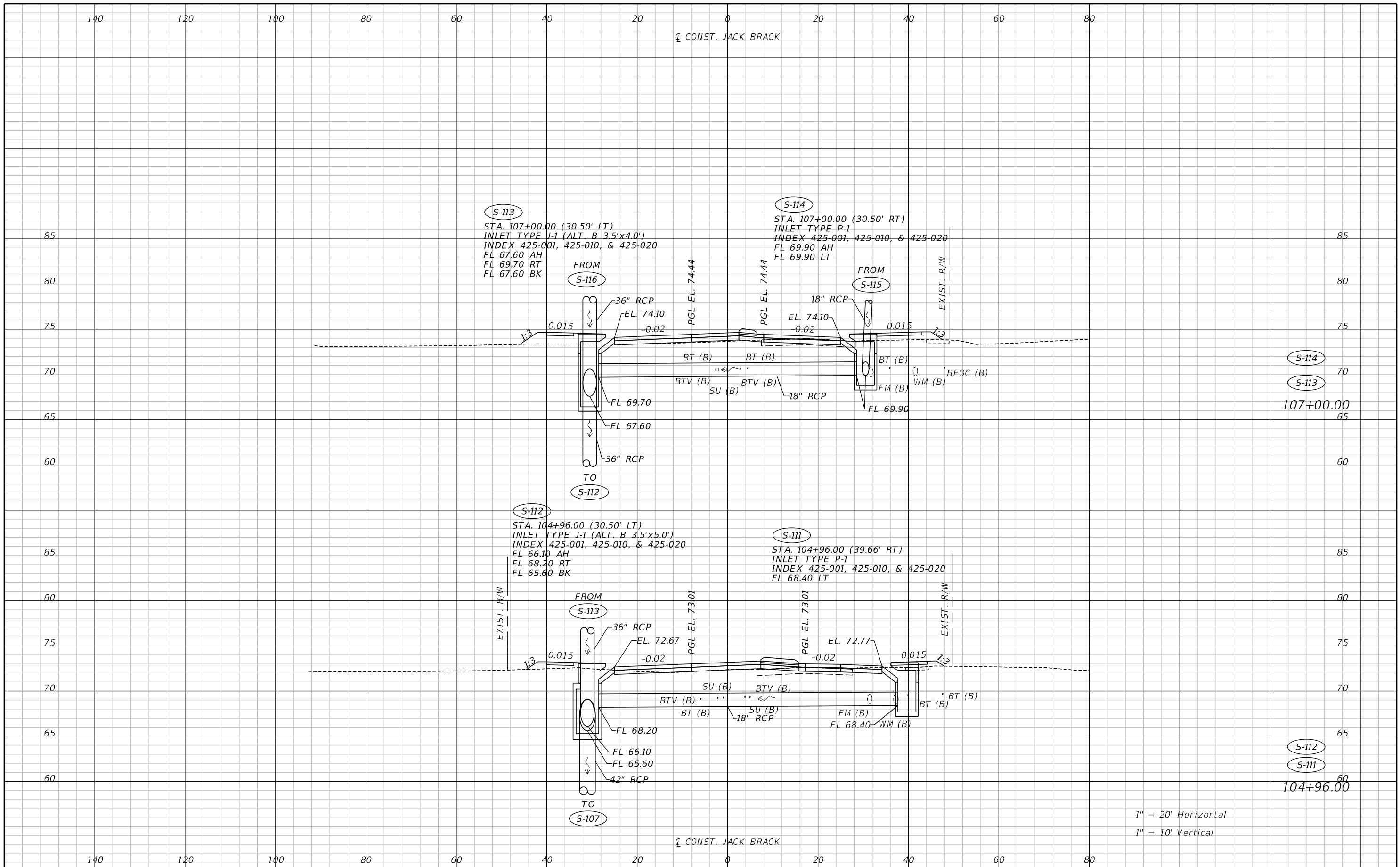
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
113

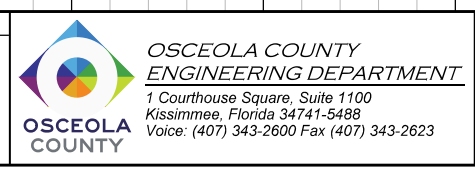
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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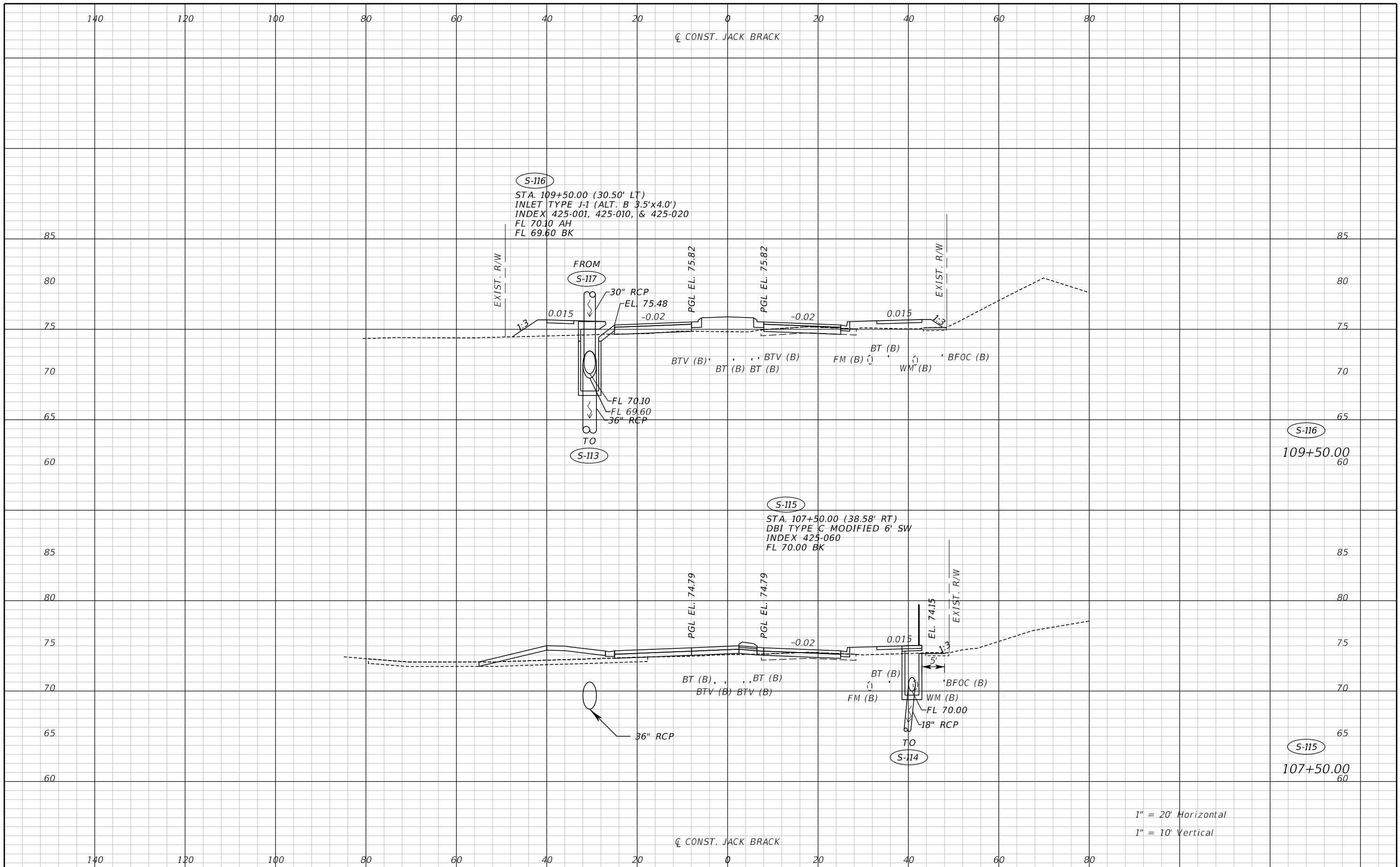
ENGINEER OF RECORD
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DRAINAGE STRUCTURES

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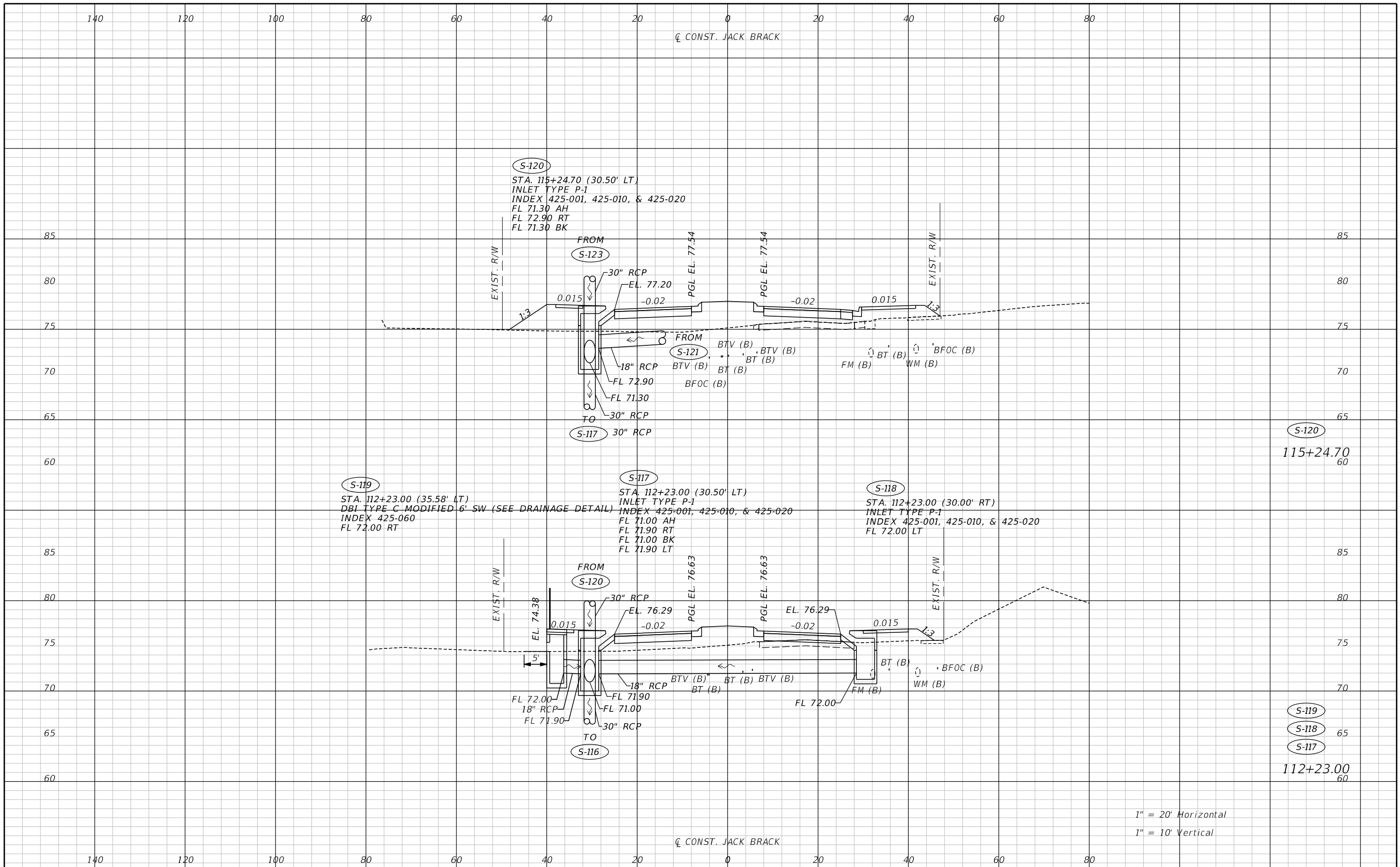
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

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DRAINAGE STRUCTURES

SHEET NO.
115

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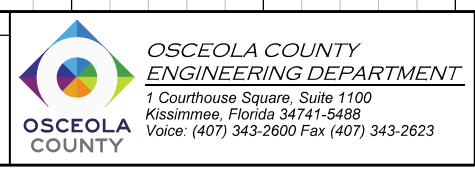


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

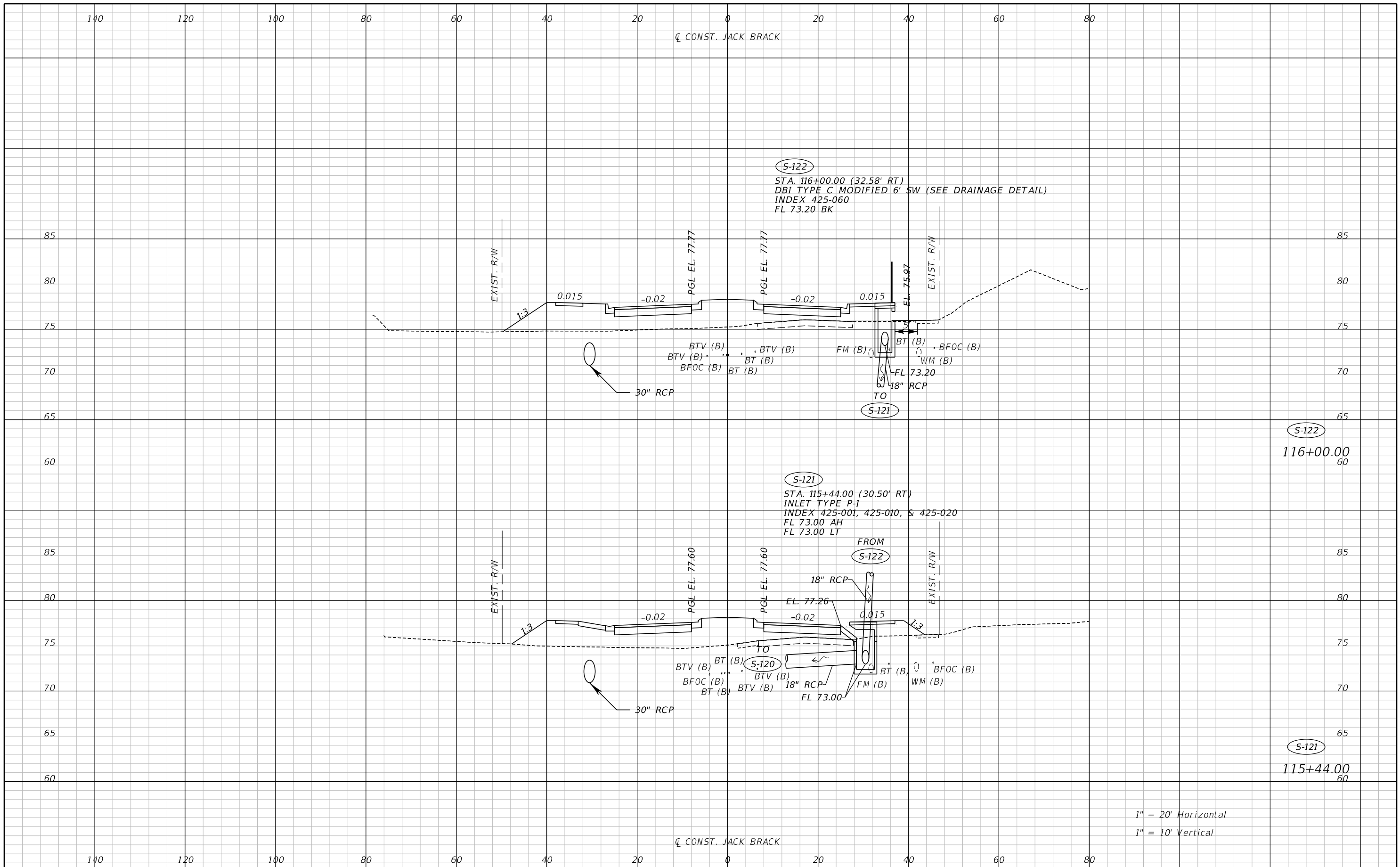
ENGINEER OF RECORD
 Zachary K. Evans, PE
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DRAINAGE STRUCTURES

SHEET NO.
116

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DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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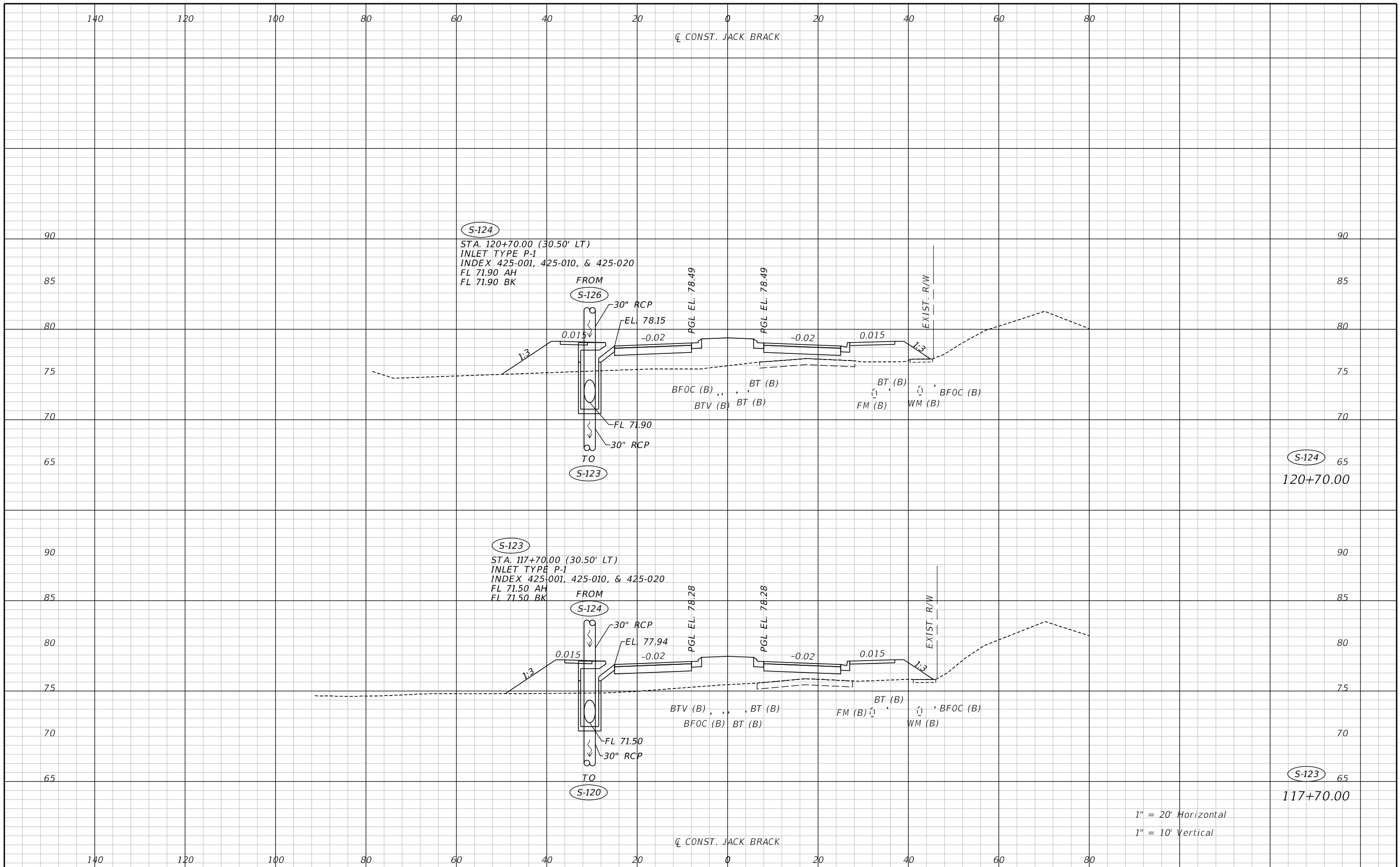
ENGINEER OF RECORD
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PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
117

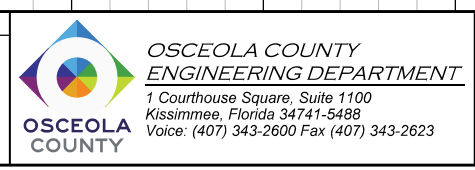
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

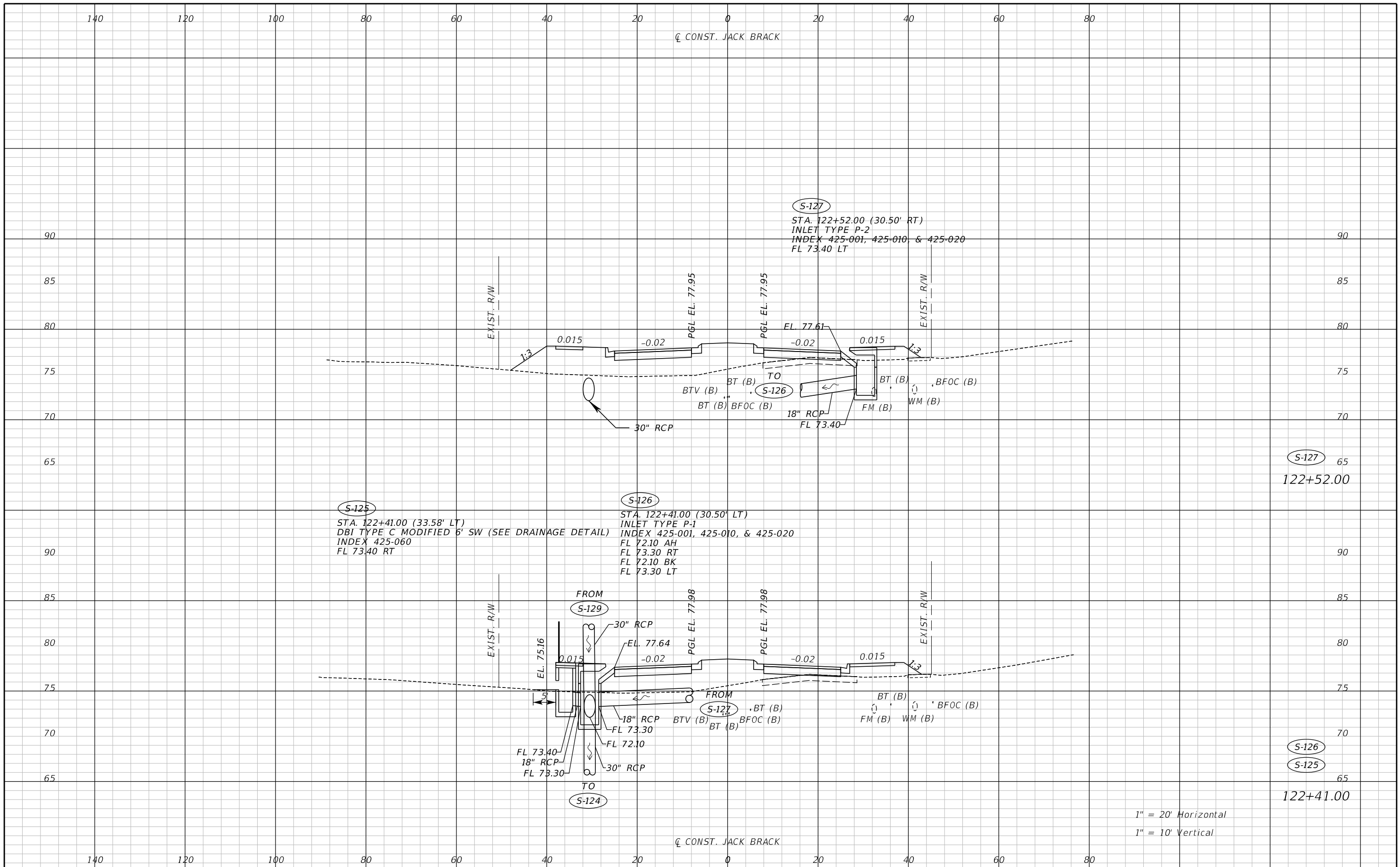
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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DRAINAGE STRUCTURES

SHEET NO.
118

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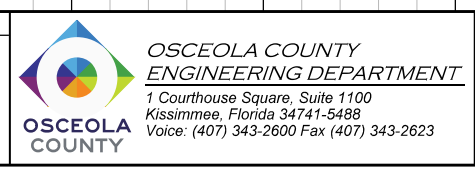


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

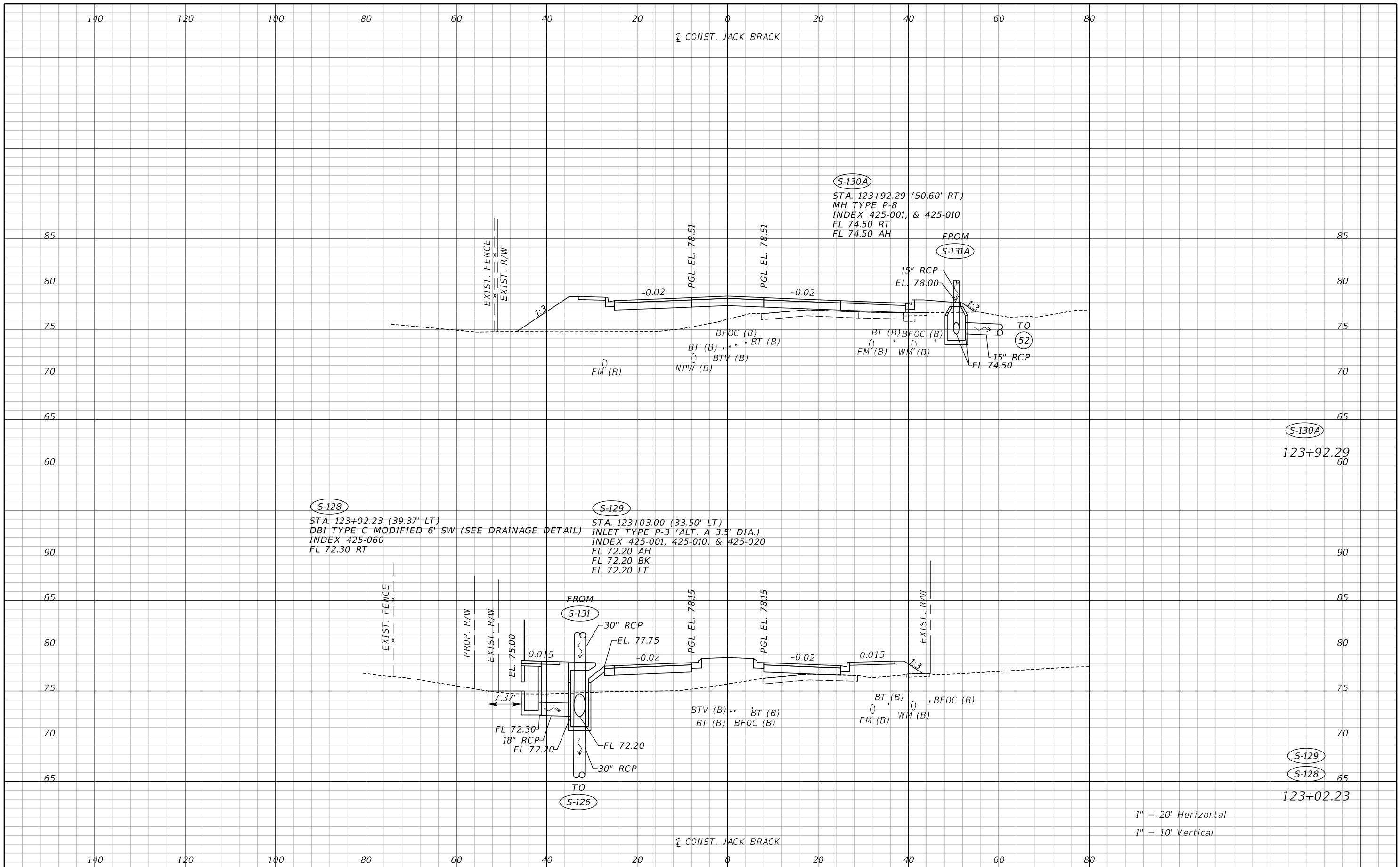
ENGINEER OF RECORD
 Zachary K. Evans, PE
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DRAINAGE STRUCTURES

SHEET NO.
119

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S-130A
123+92.29
60

S-128
STA. 123+02.23 (39.37' LT)
DBI TYPE C MODIFIED 6' SW (SEE DRAINAGE DETAIL)
INDEX 425-060
FL 72.30 RT

S-129
STA. 123+03.00 (33.50' LT)
INLET TYPE P-3 (ALT. A 3.5' DIA.)
INDEX 425-001, 425-010, & 425-020
FL 72.20 AH
FL 72.20 BK
FL 72.20 LT

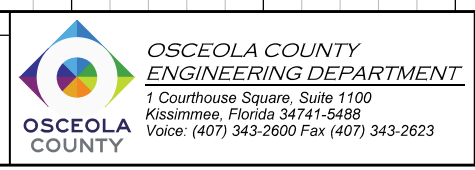
S-129
S-128
123+02.23

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

REVISIONS		
DATE	BY	DESCRIPTION

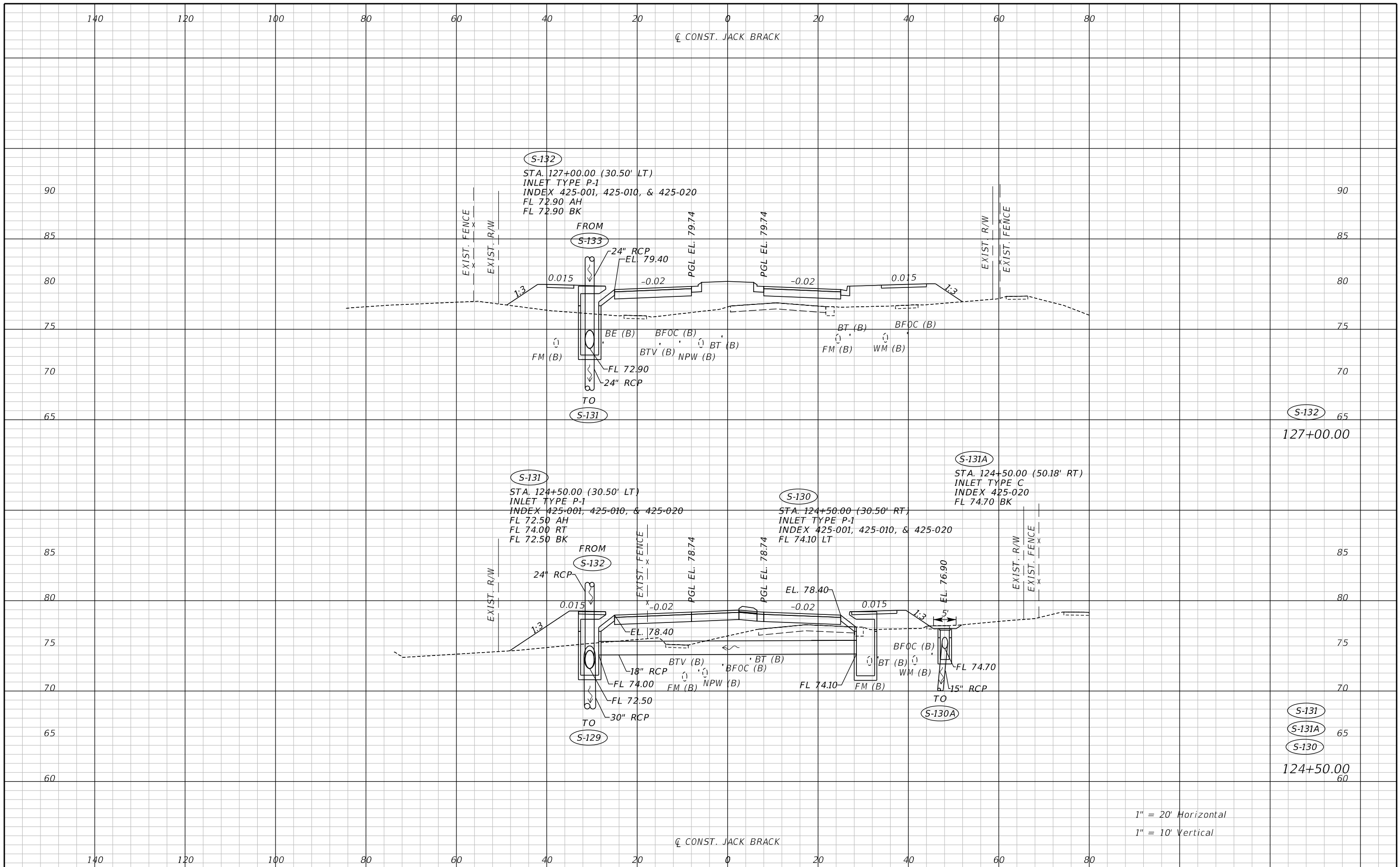
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
120



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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

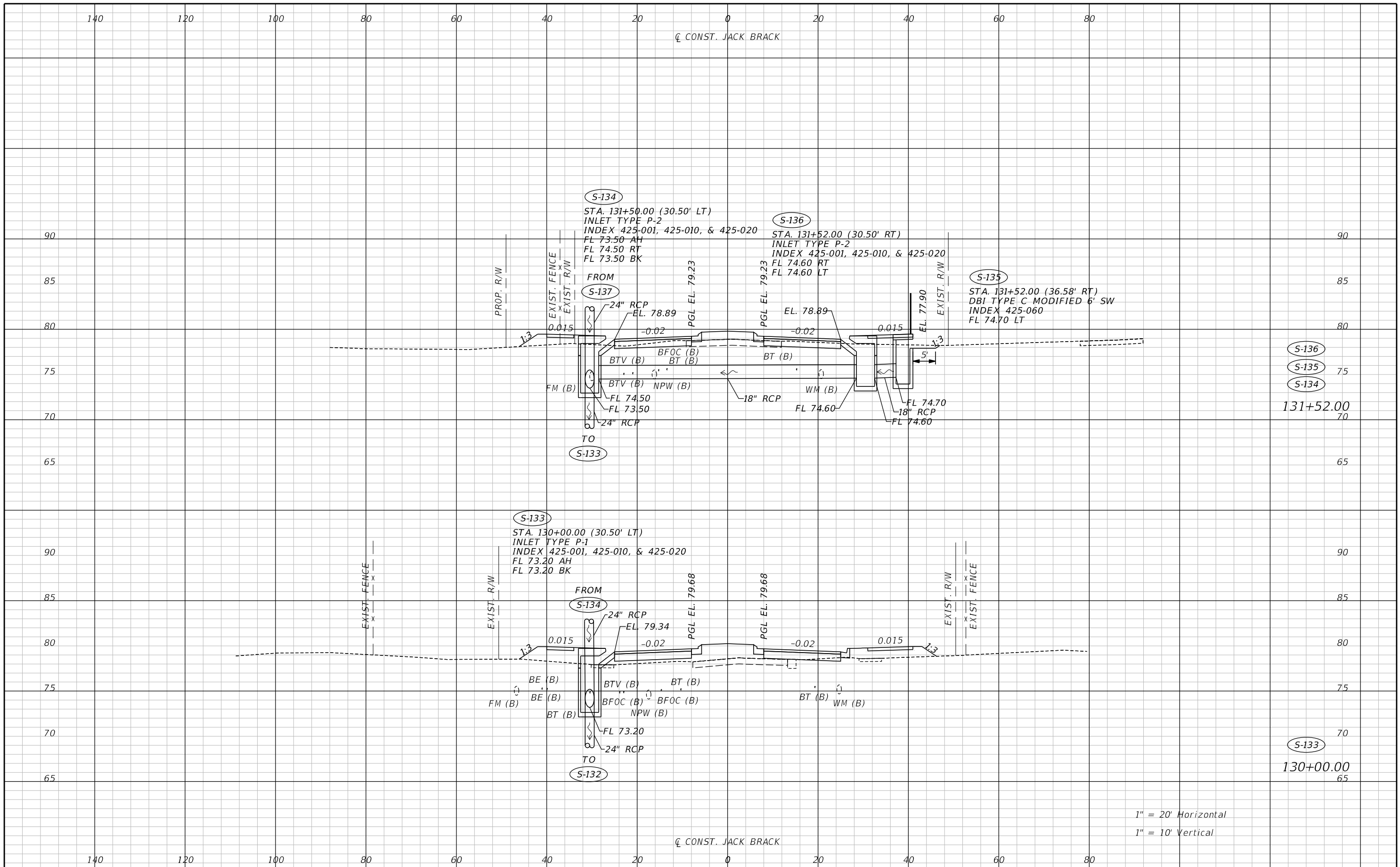
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
 121

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

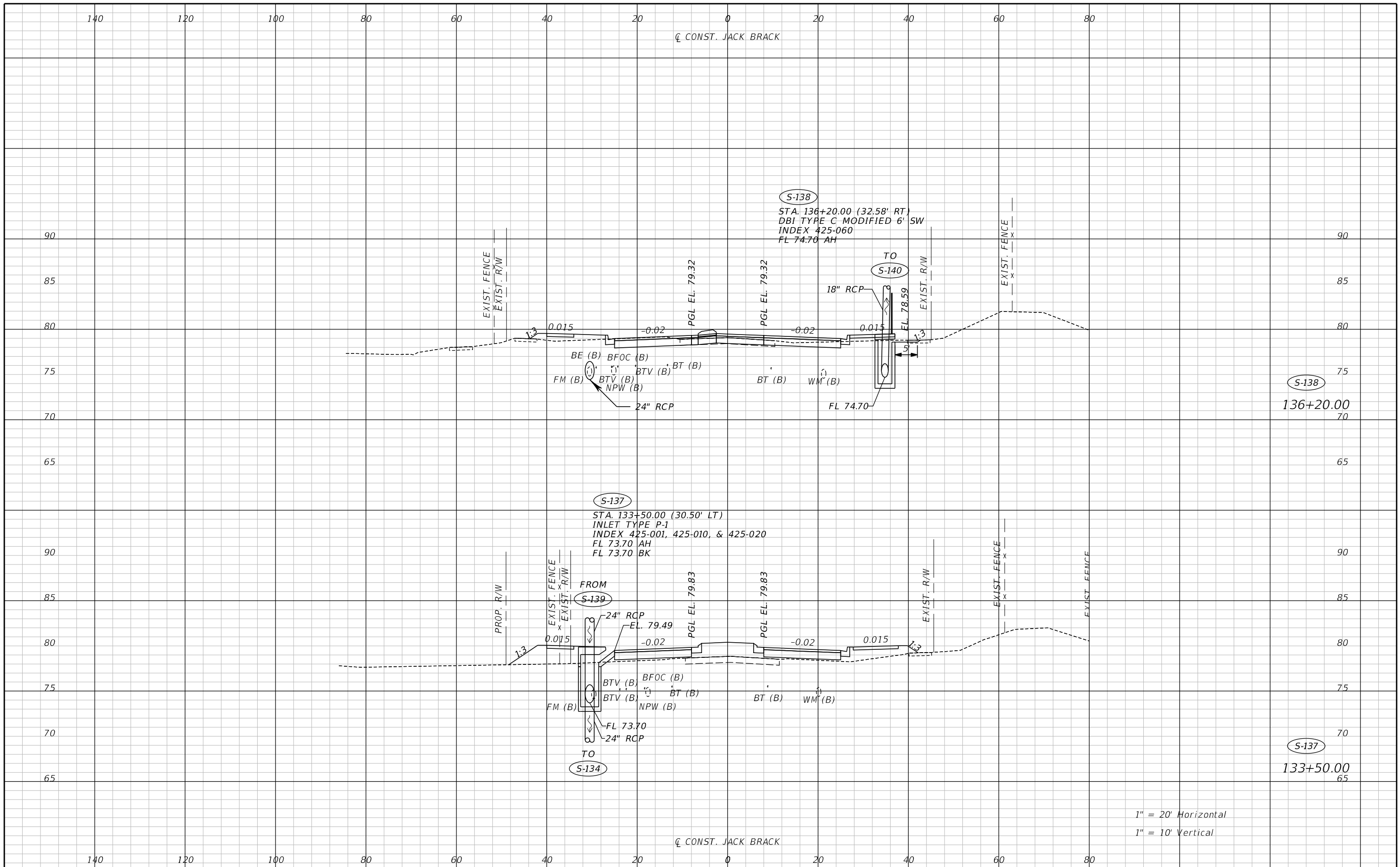
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
122

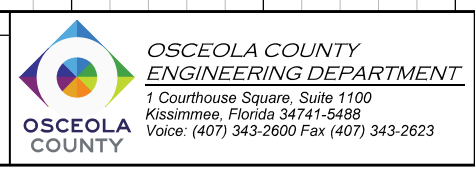
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

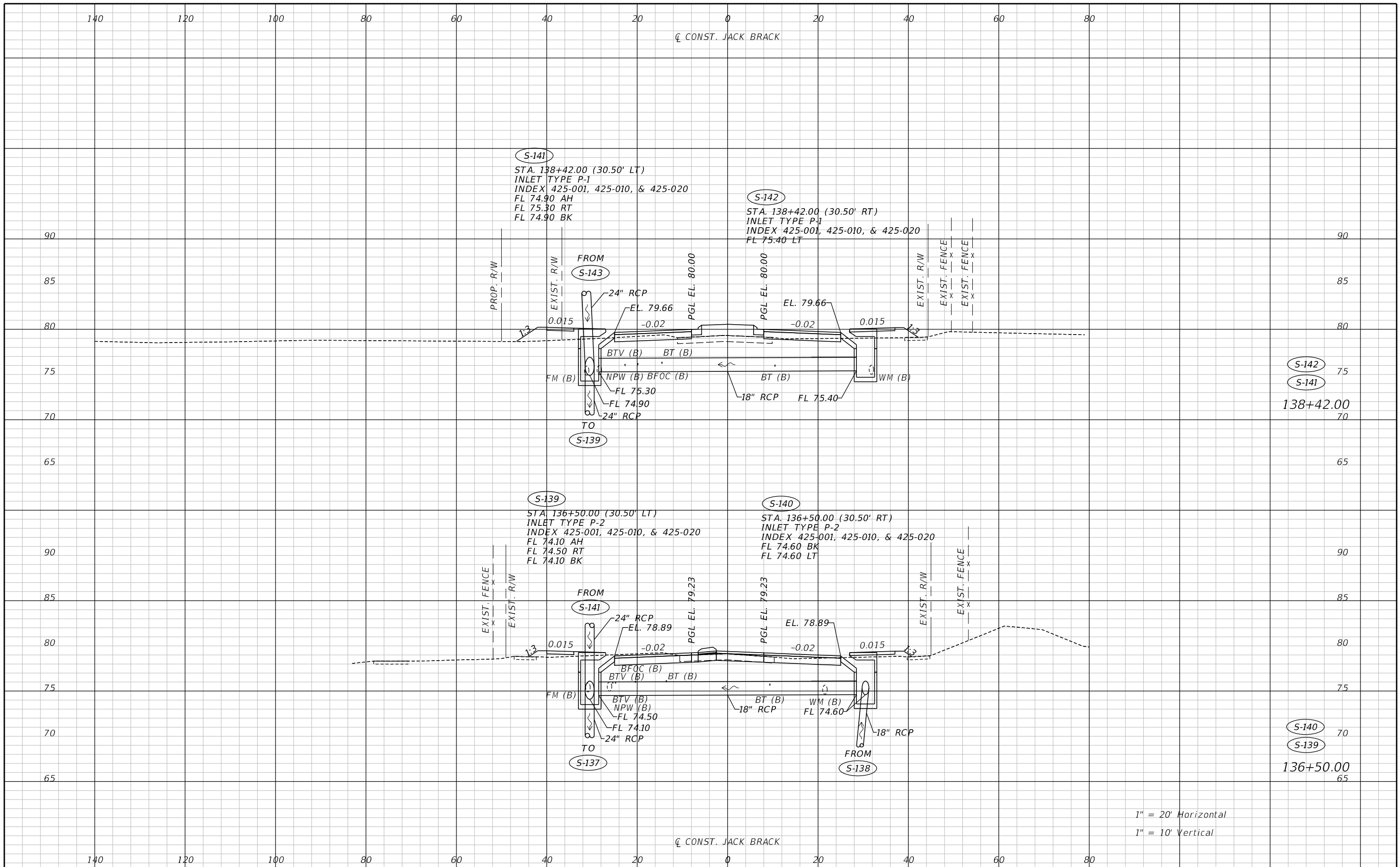
ENGINEER OF RECORD
Zachary K. Evans, PE
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DRAINAGE STRUCTURES

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123

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**JACK BRACK ROAD
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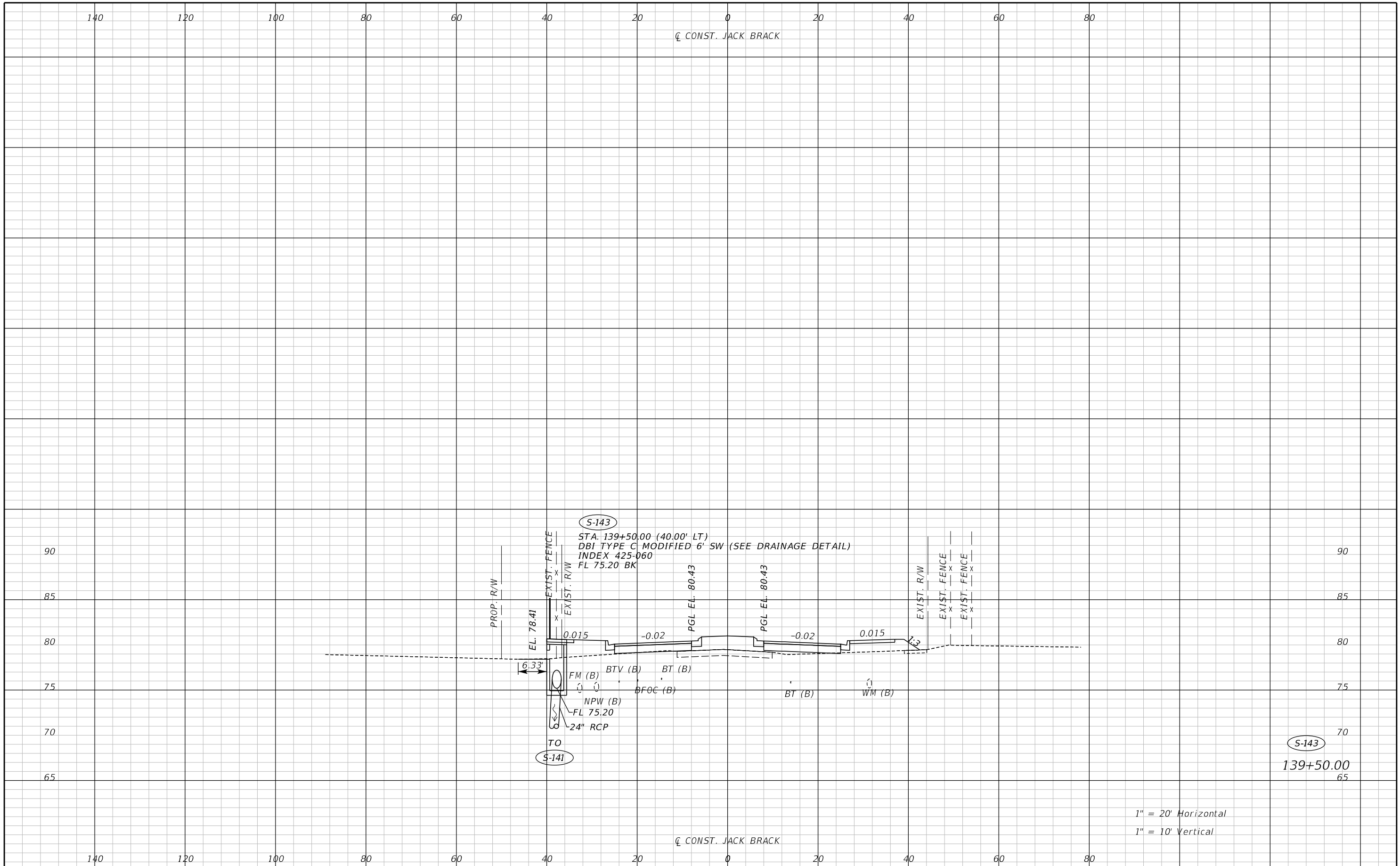
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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124

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**JACK BRACK ROAD
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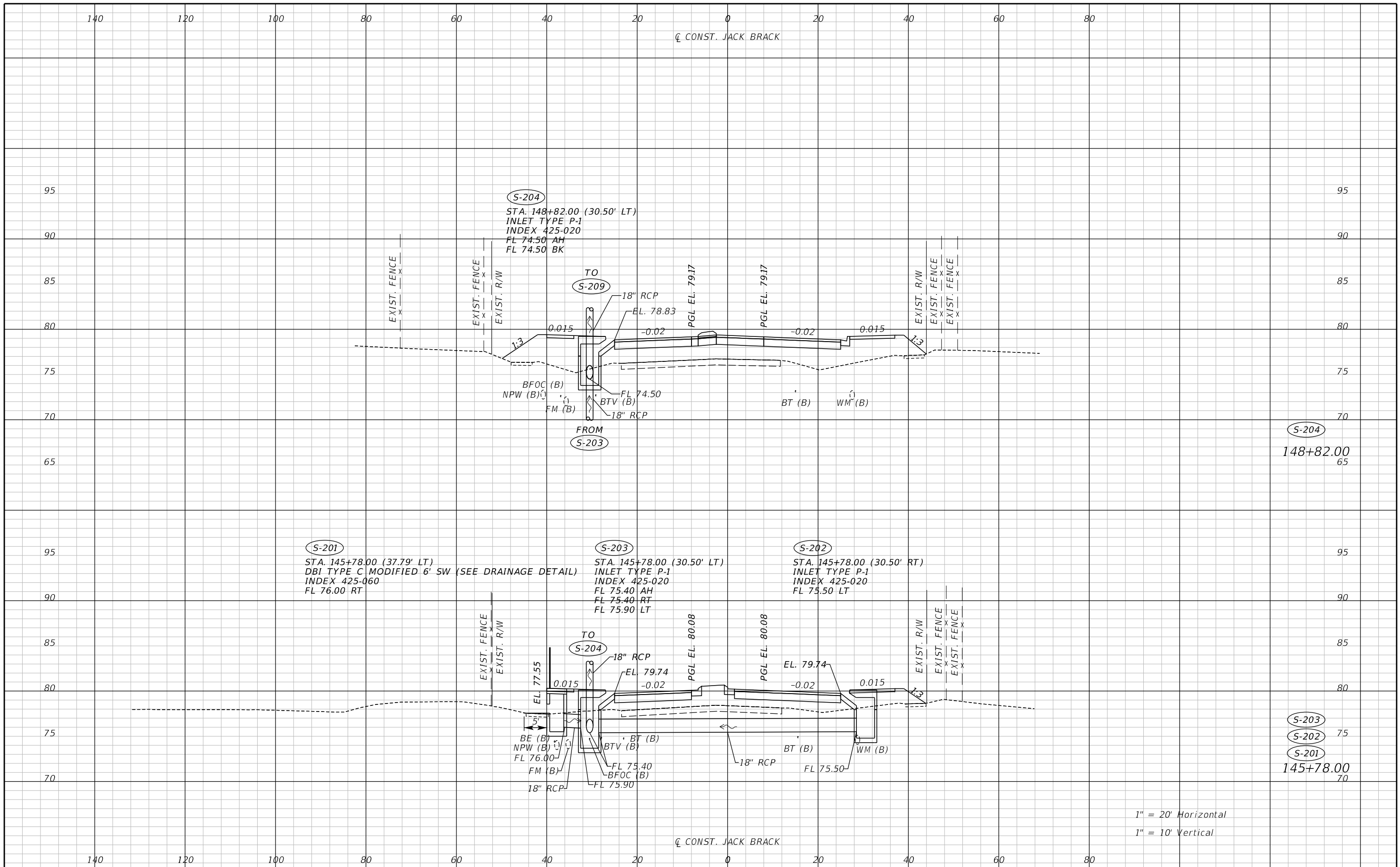
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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DRAINAGE STRUCTURES

SHEET NO.
125

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REVISIONS		
DATE	BY	DESCRIPTION

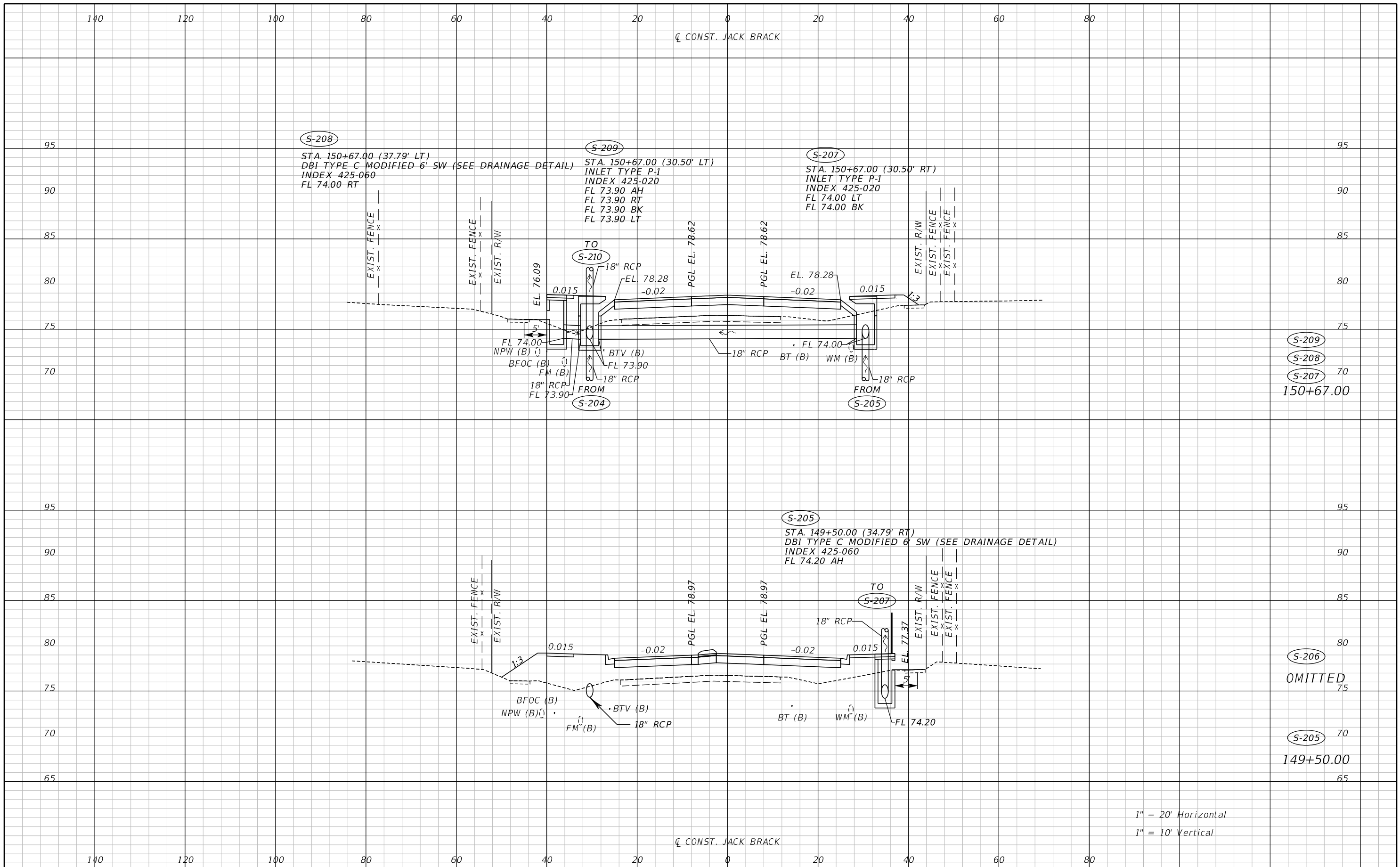
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

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1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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DRAINAGE STRUCTURES

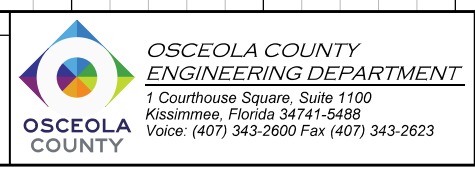
SHEET NO.
126



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

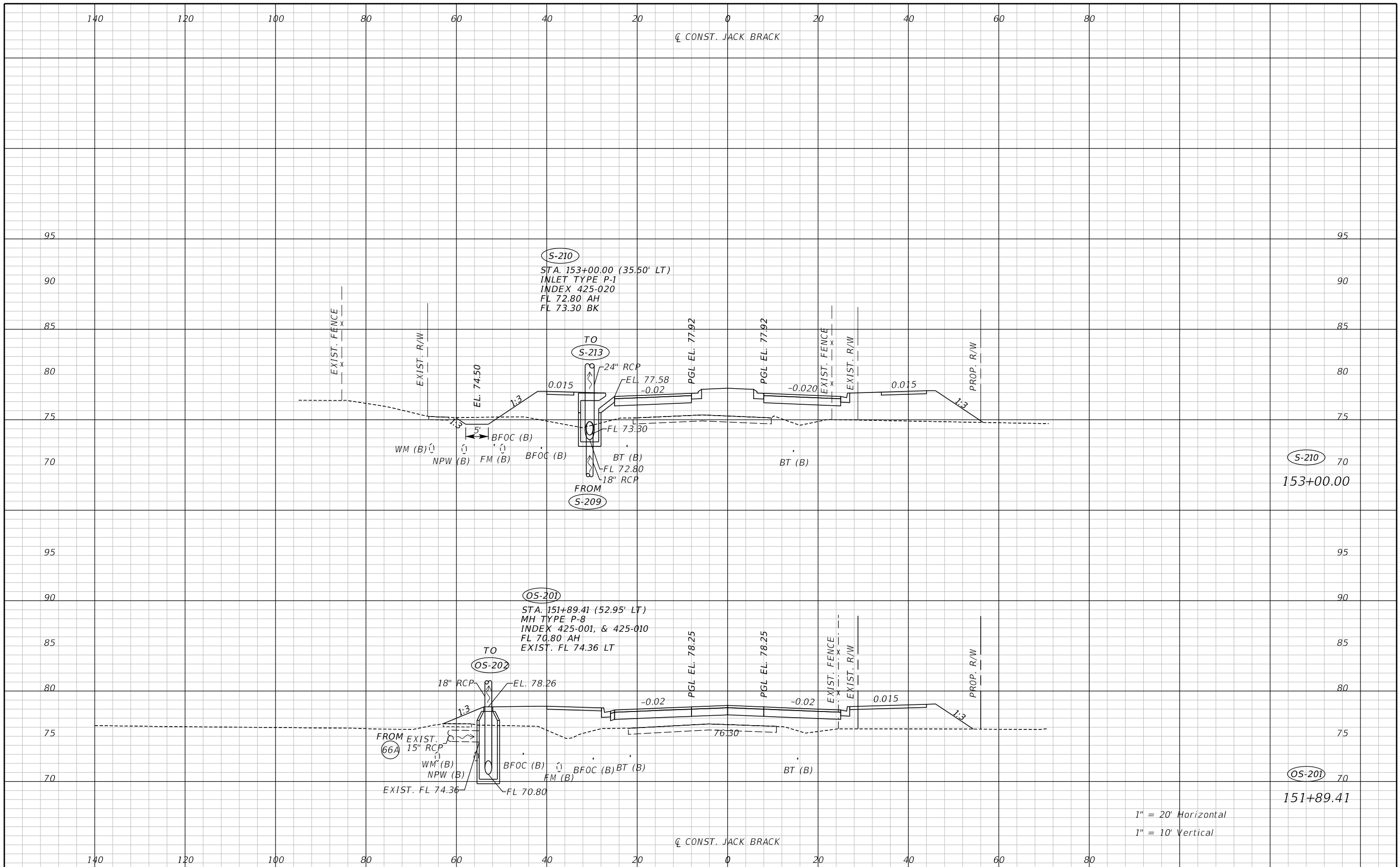


DRAINAGE STRUCTURES

SHEET NO.
127

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

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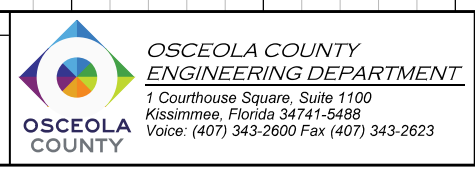


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS		
DATE	BY	DESCRIPTION

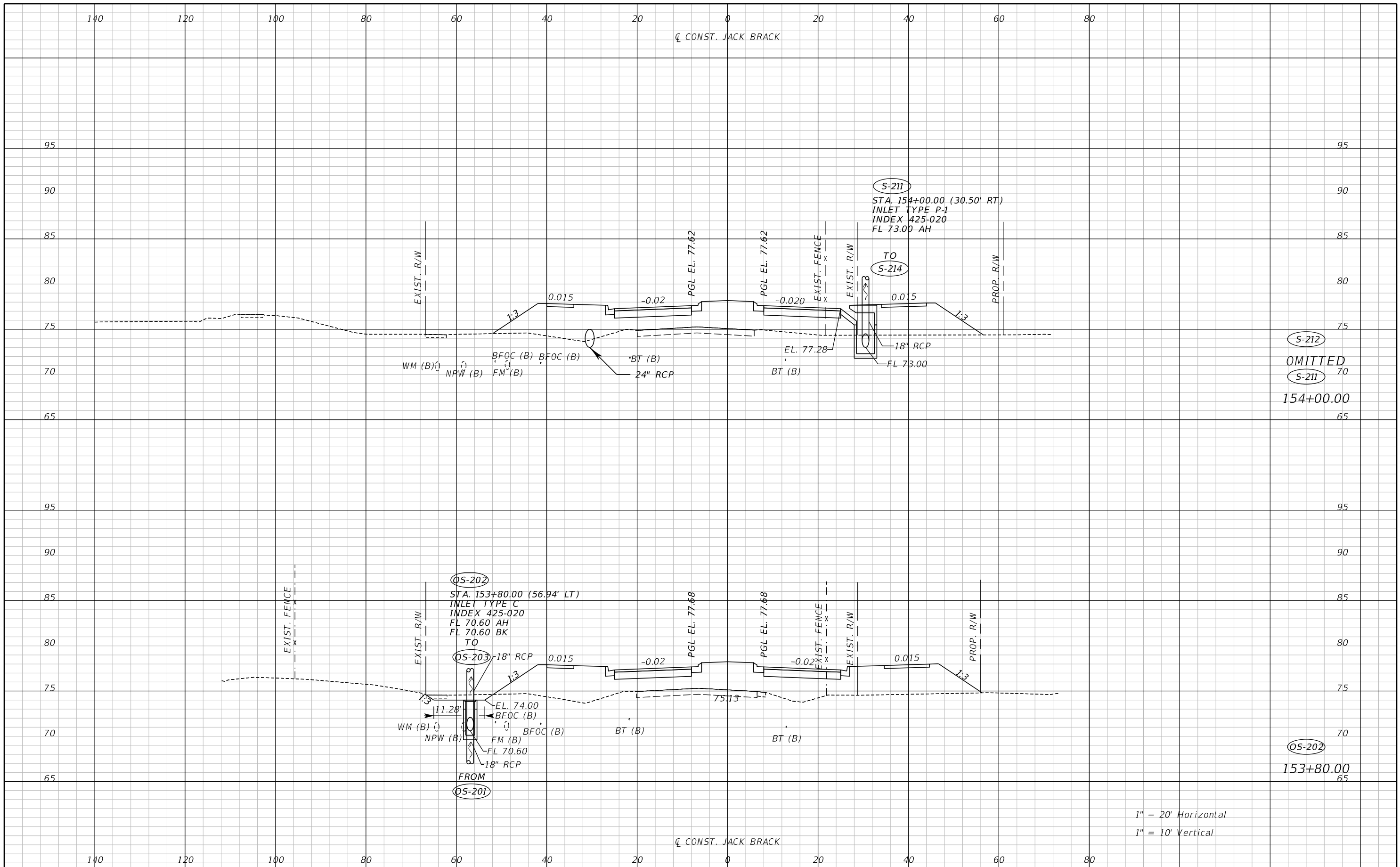
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
128



S-212
OMITTED
S-211
154+00.00

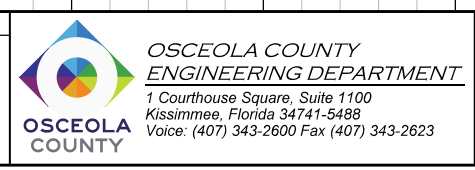
S-202
153+80.00

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

REVISIONS		
DATE	BY	DESCRIPTION

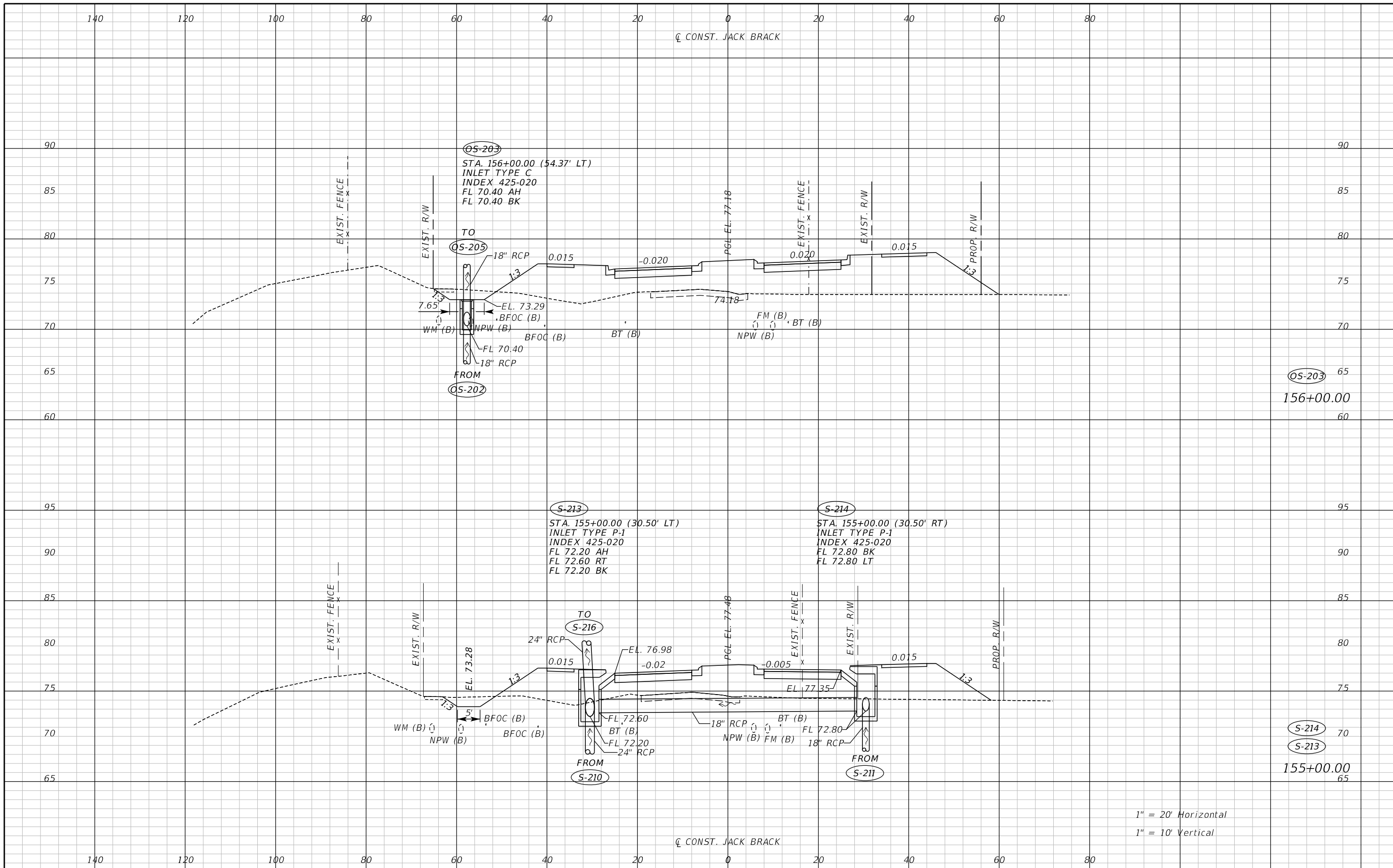
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
129

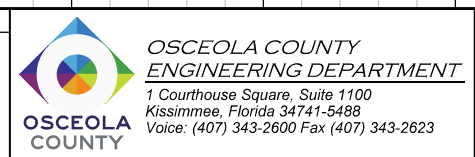


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

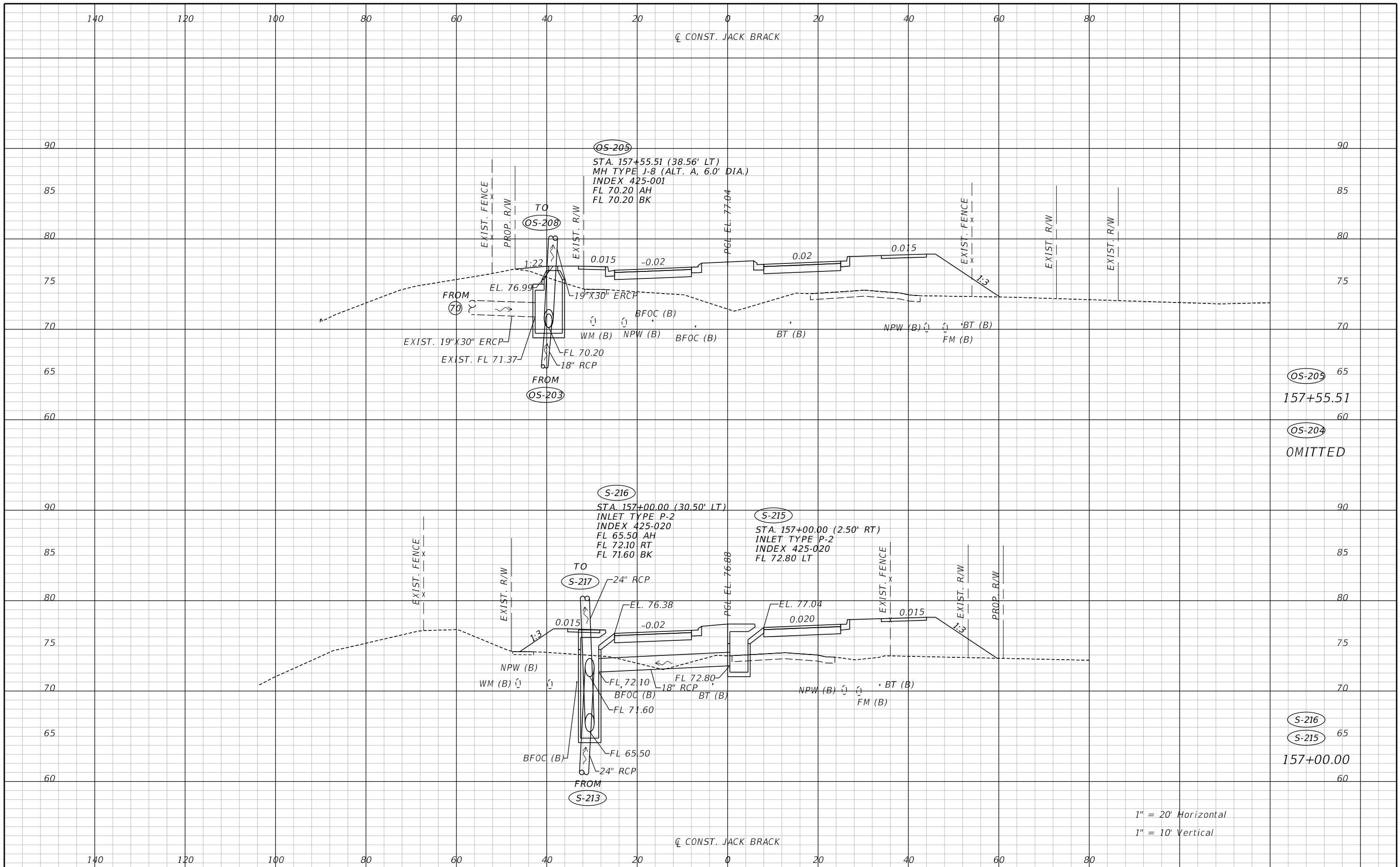
ENGINEER OF RECORD
 Zachary K. Evans, PE
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DRAINAGE STRUCTURES

SHEET NO.
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DATE	BY	DESCRIPTION

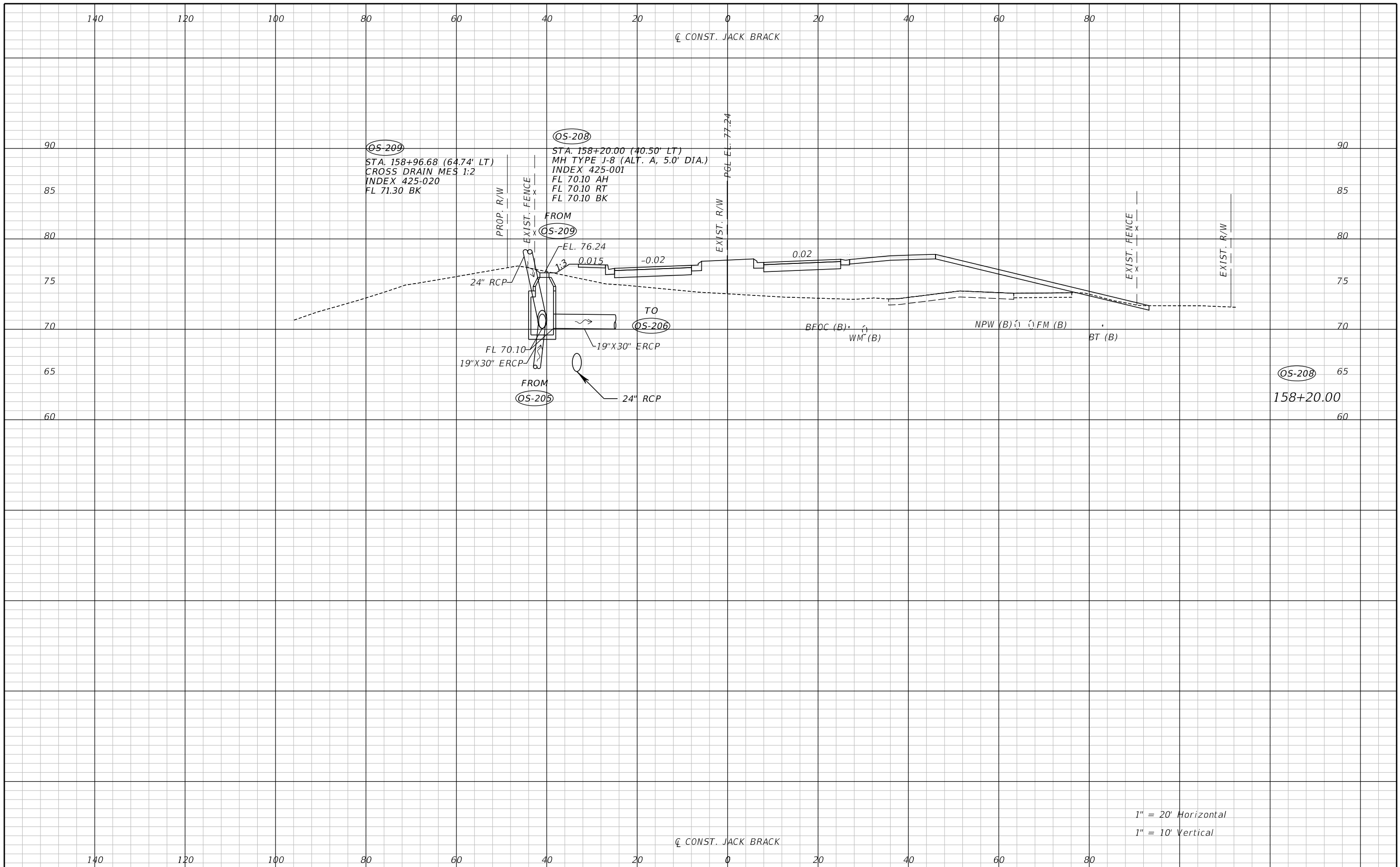
**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
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DRAINAGE STRUCTURES

SHEET NO.
 131

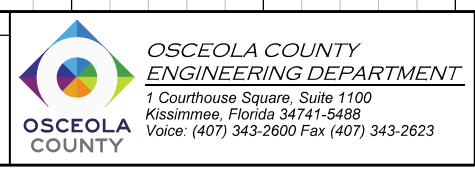


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

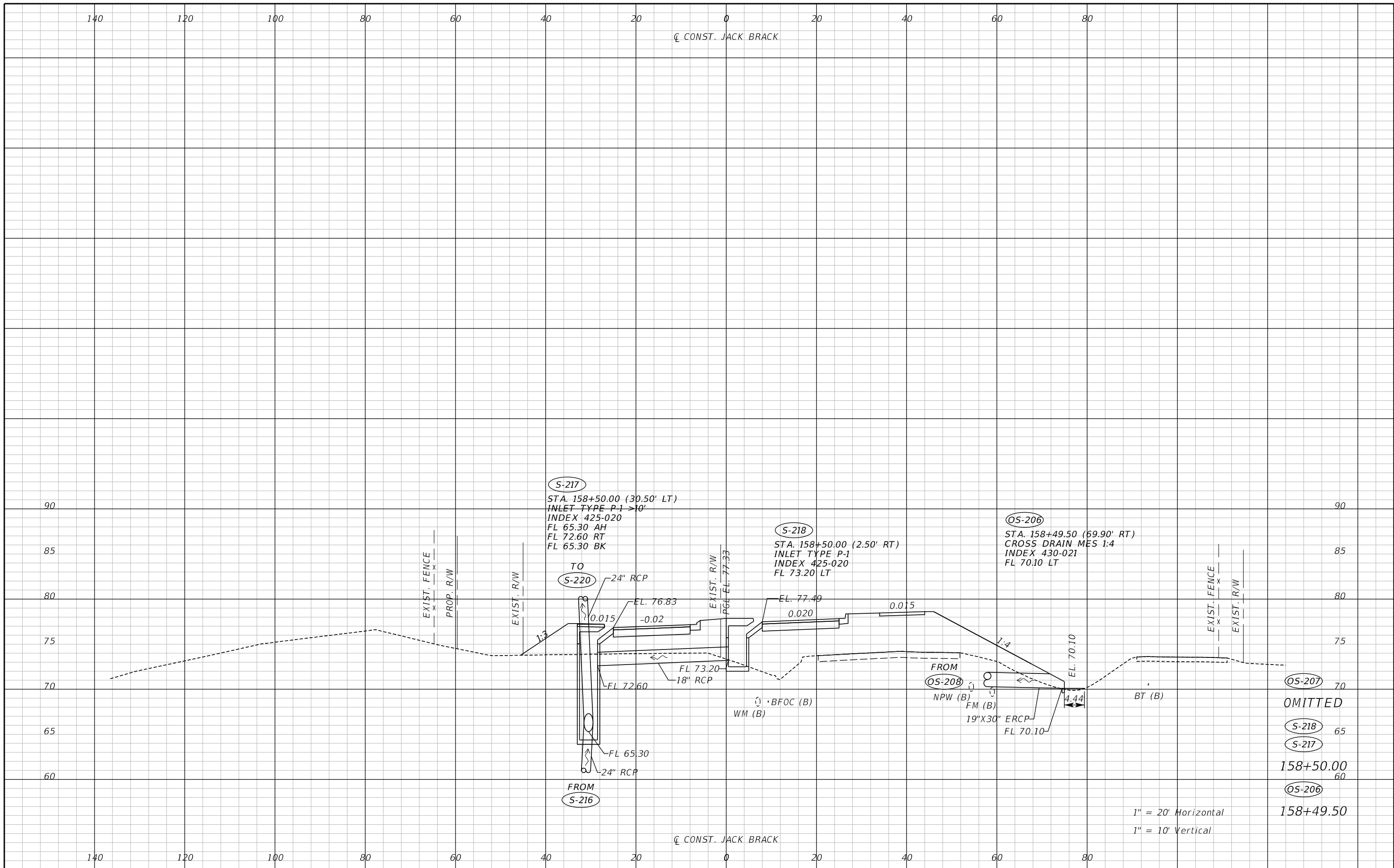
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
 132

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

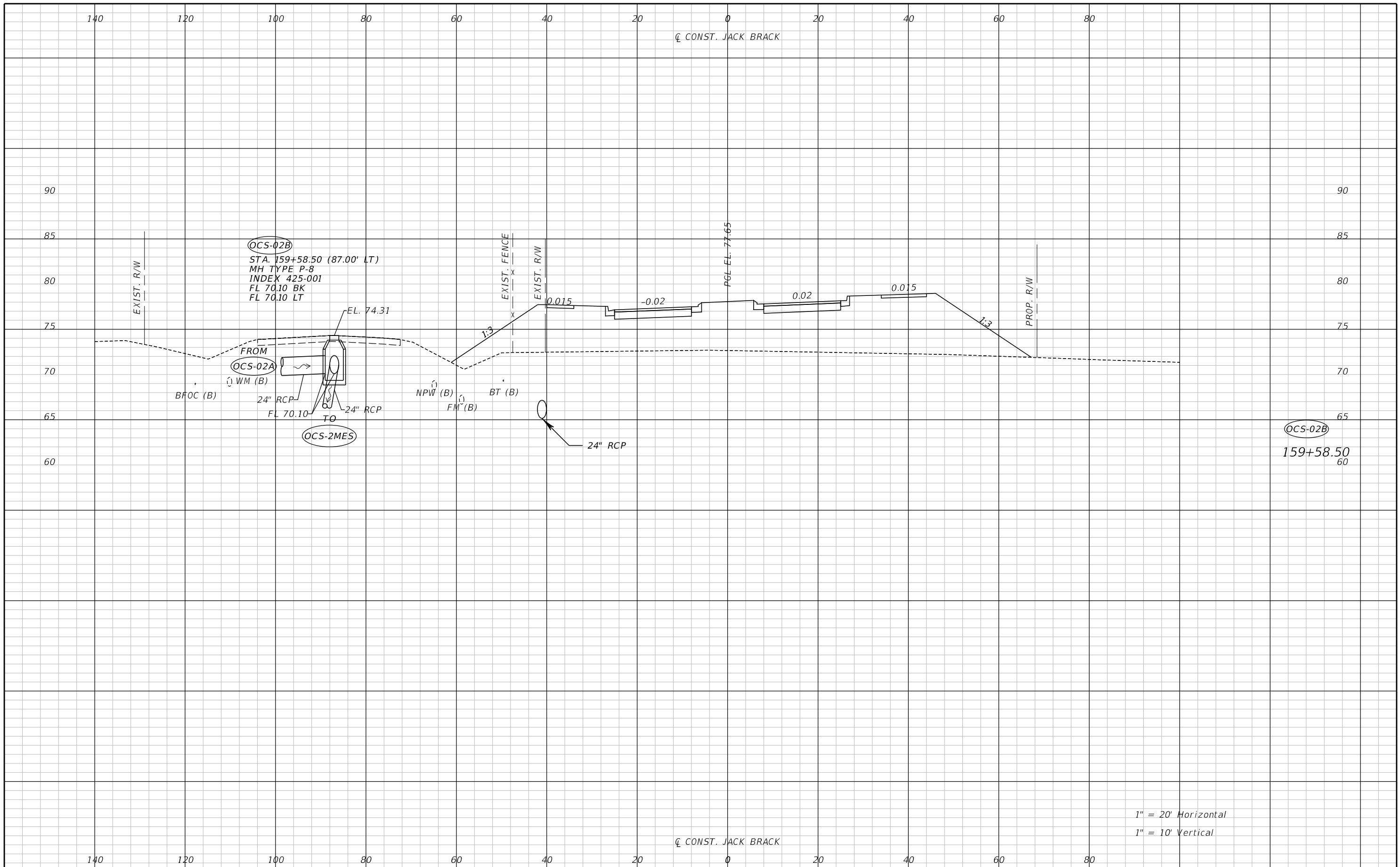
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
133

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

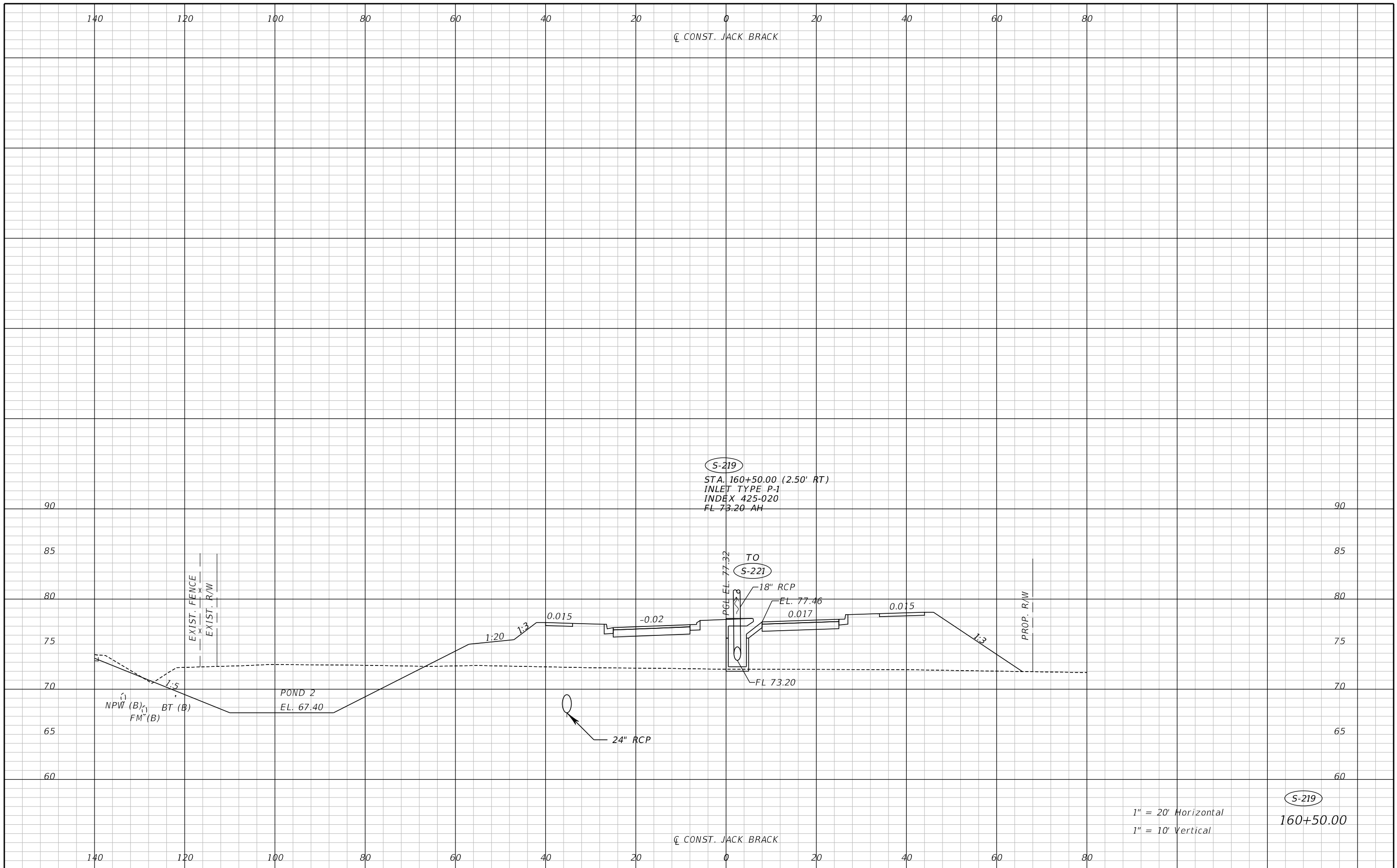
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
134

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

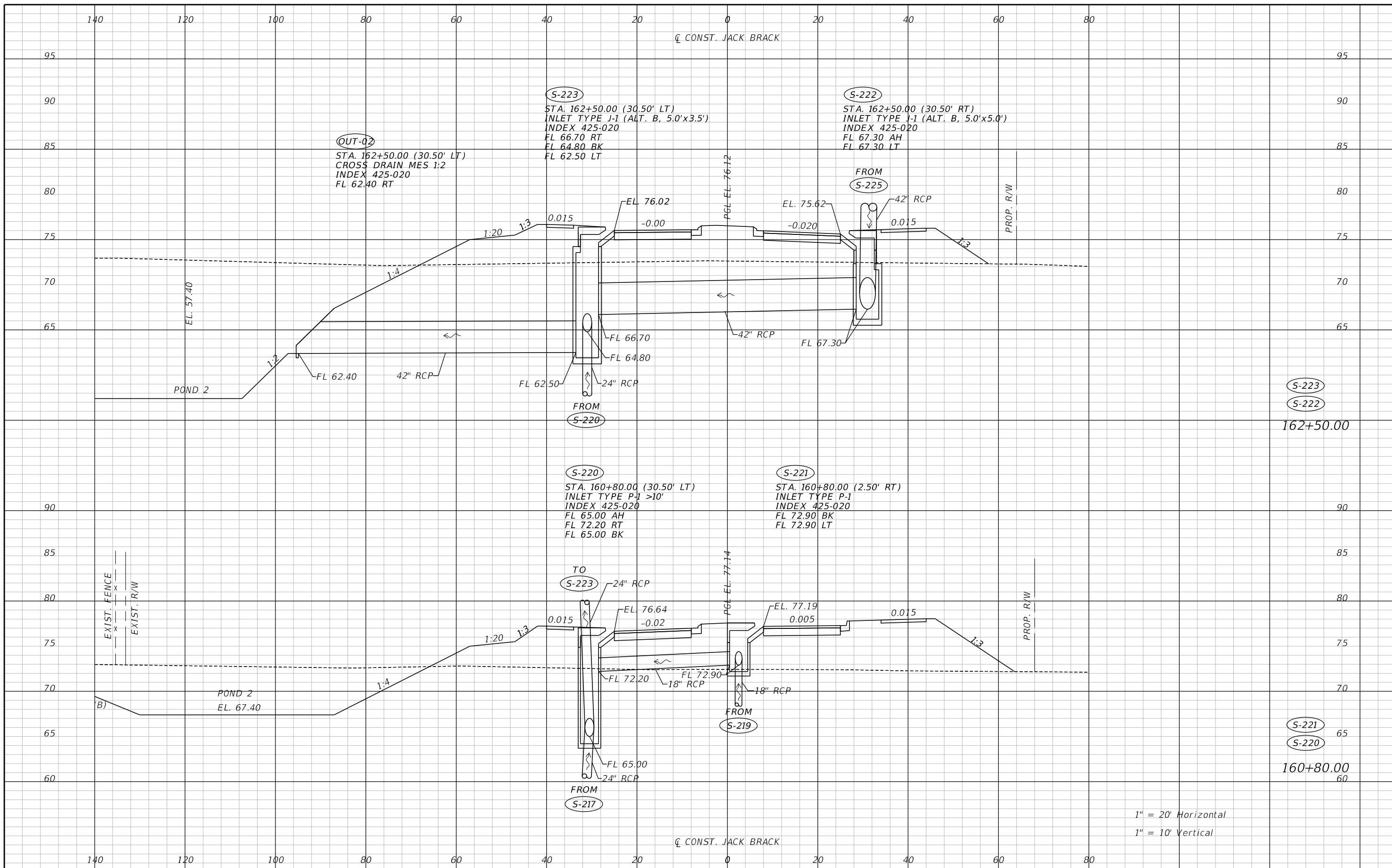
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
135

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

REVISIONS		
DATE	BY	DESCRIPTION

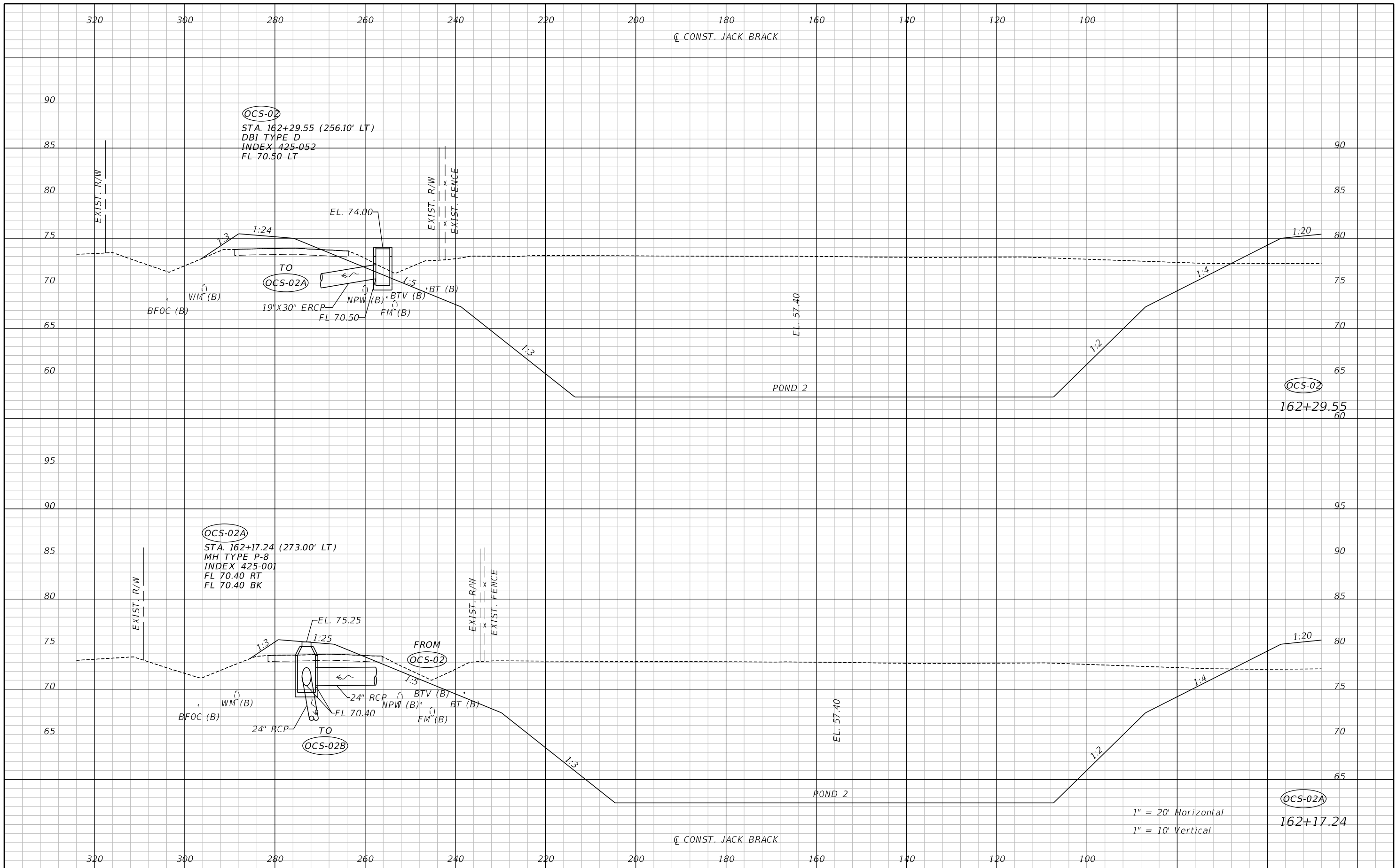
**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
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 PE No. 80498
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
 136



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

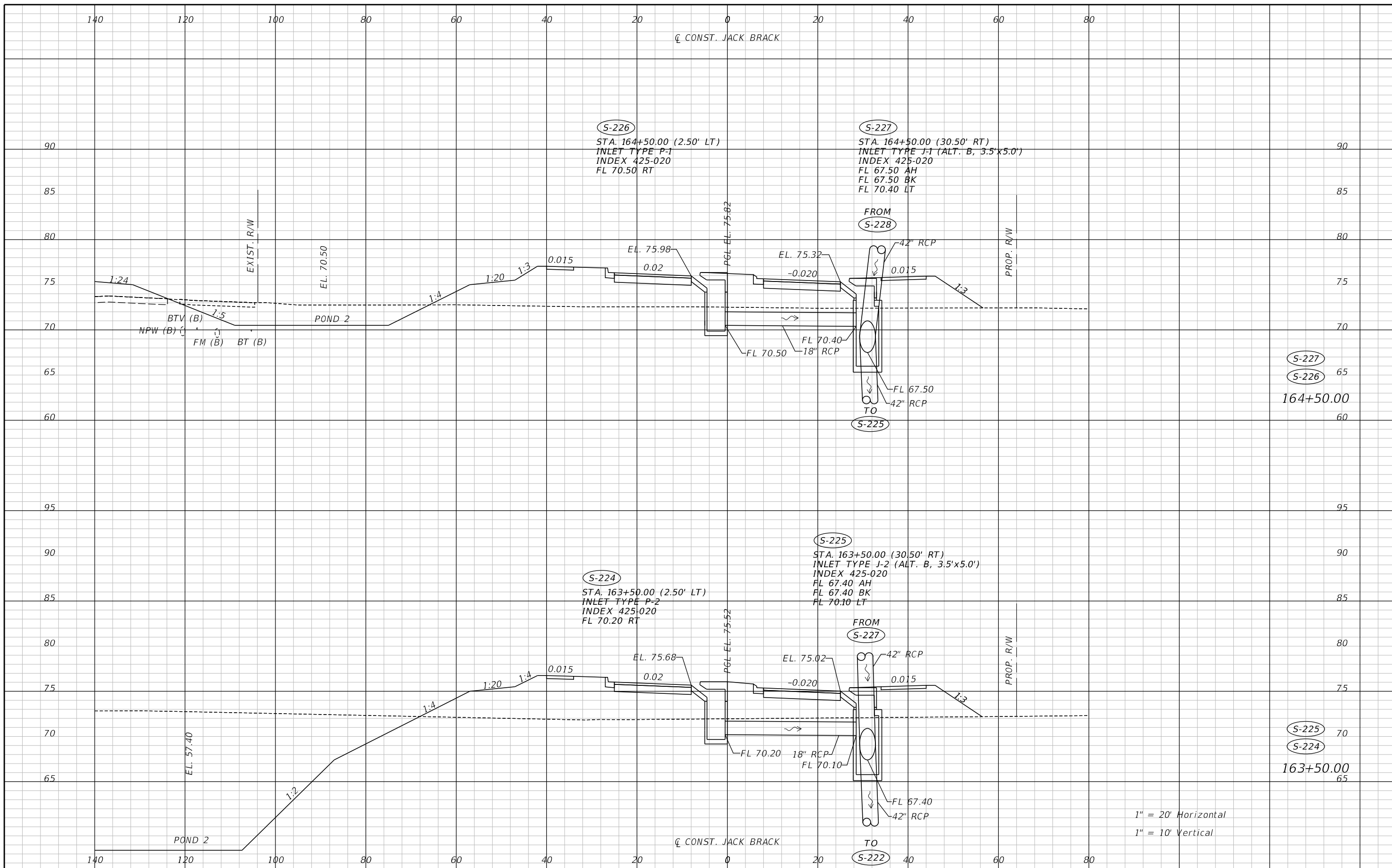
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
137

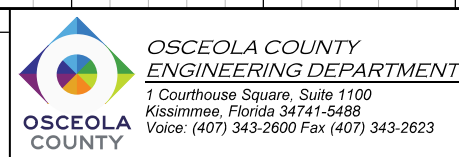
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REVISIONS	
DATE	DESCRIPTION

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WIDENING**

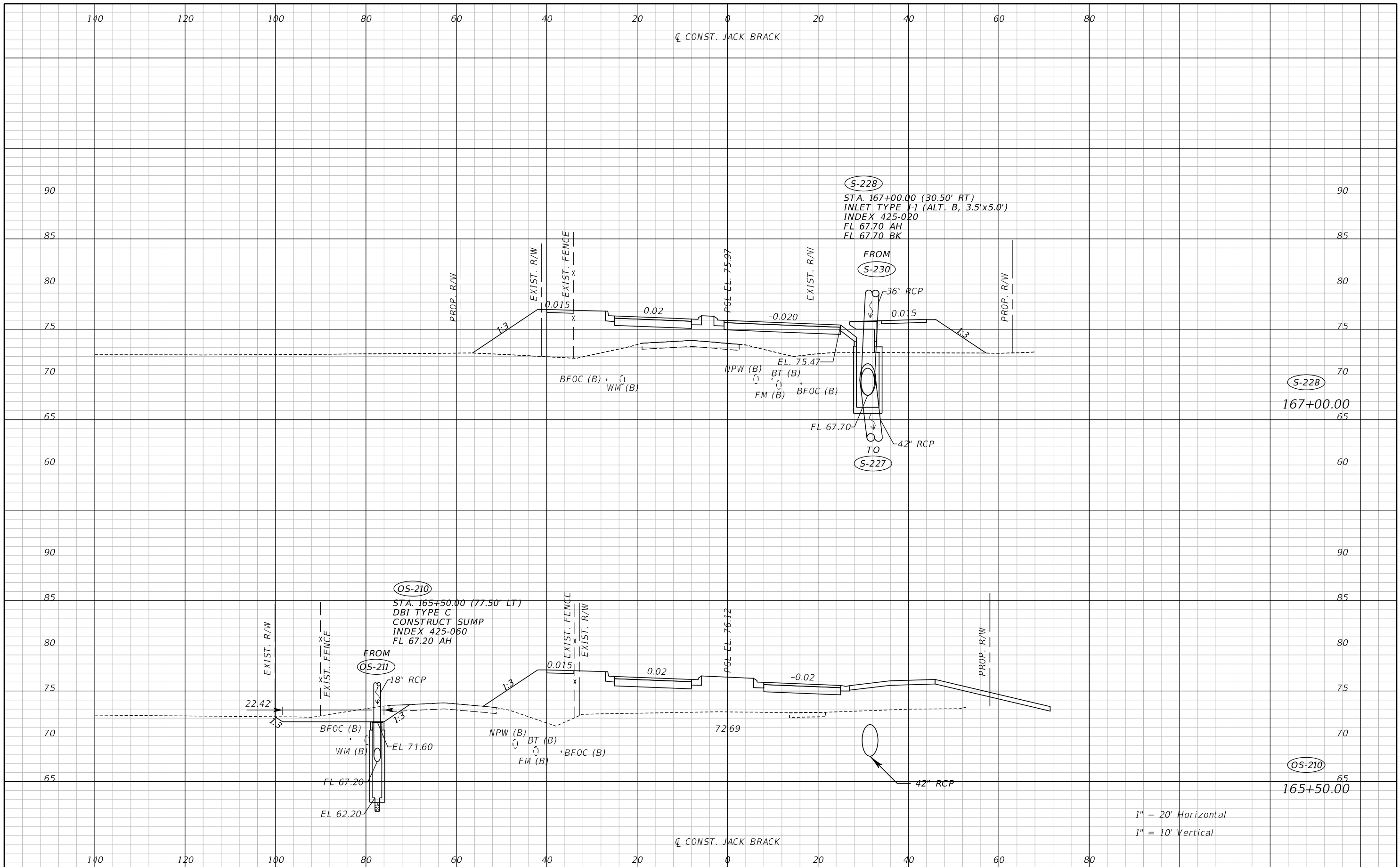
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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DATE	BY	DESCRIPTION

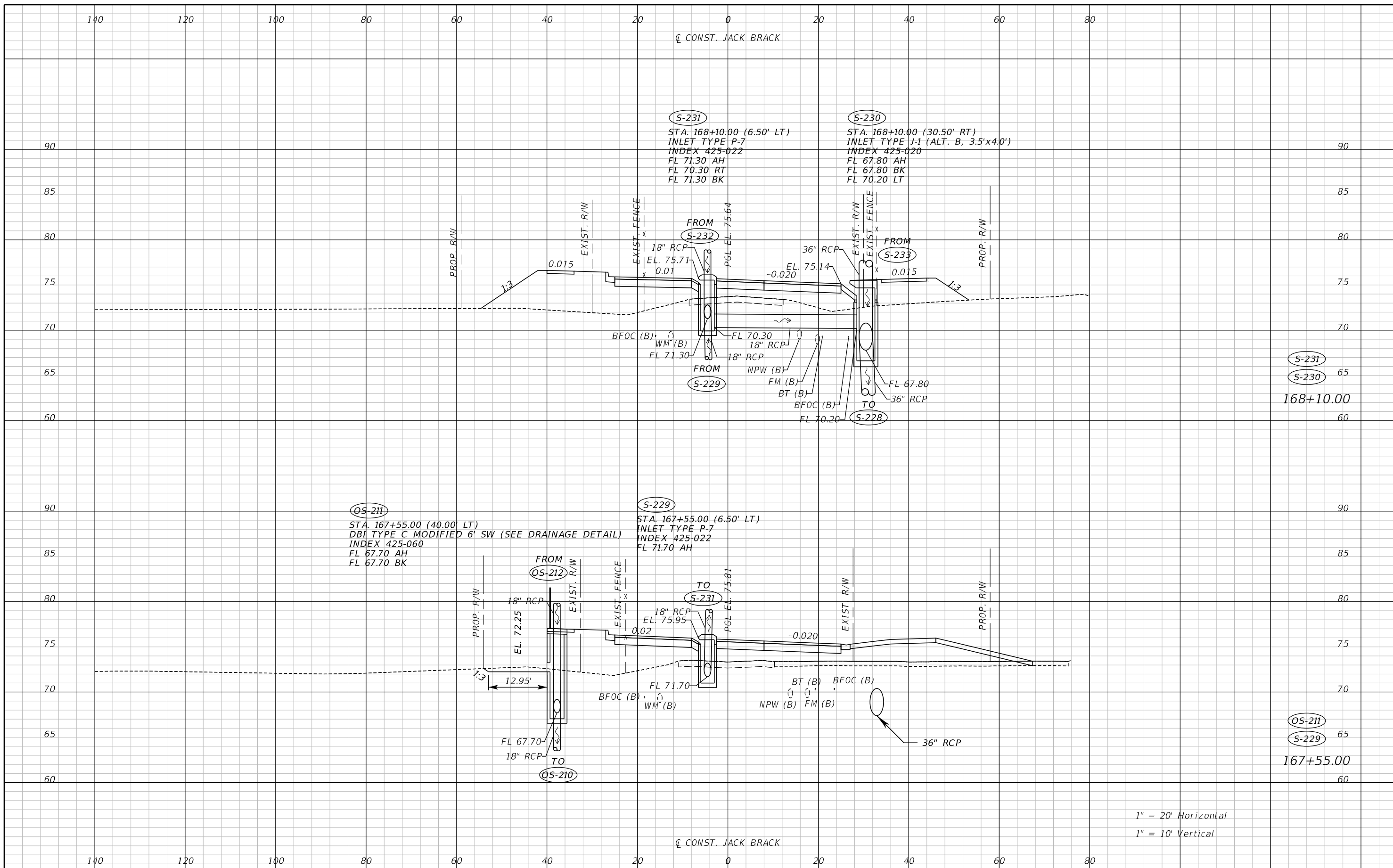
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
139

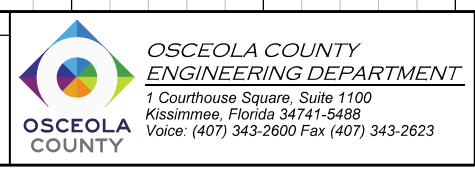


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

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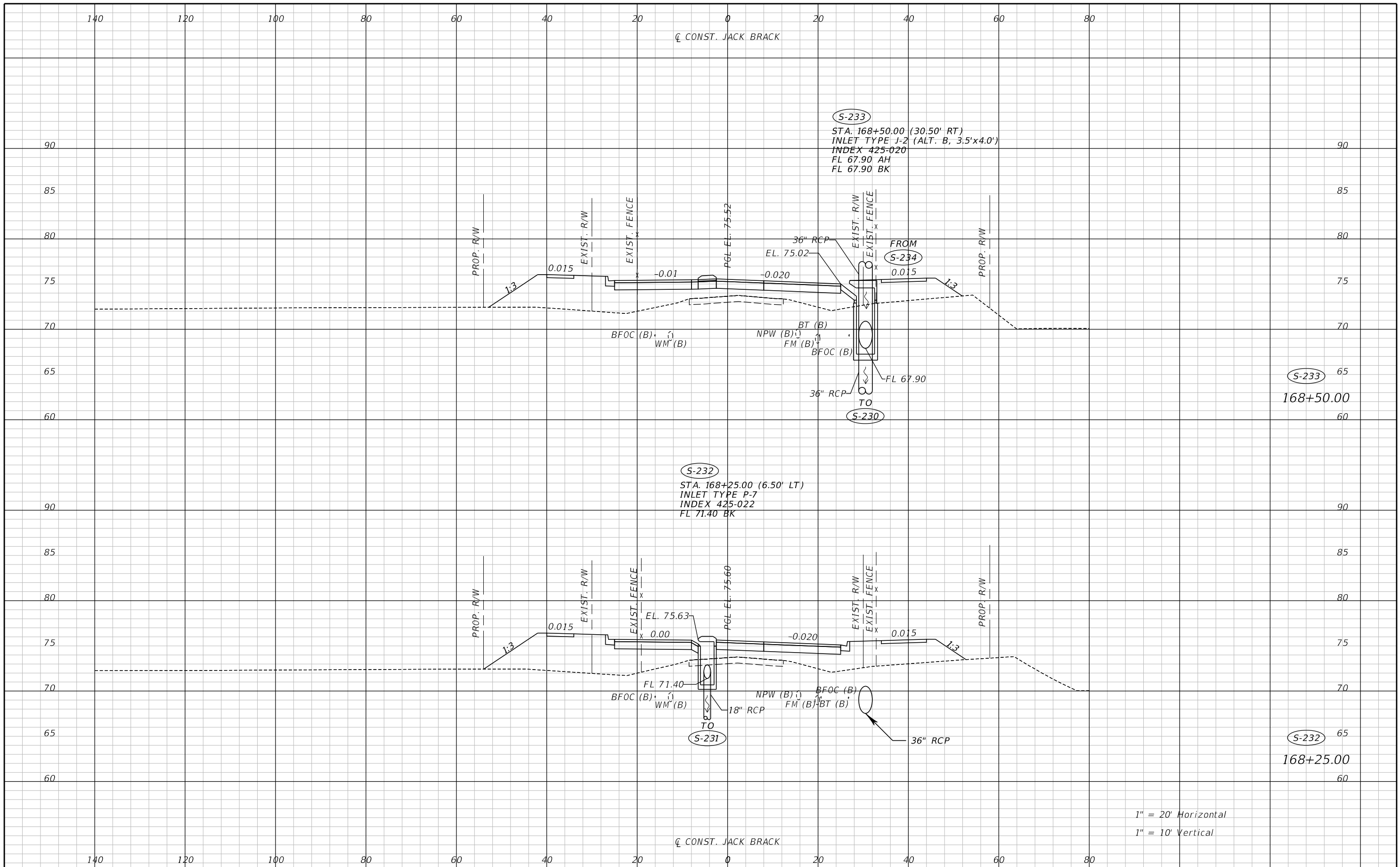
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
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SHEET NO.
140

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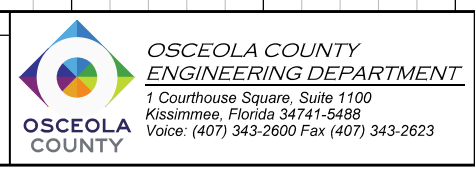


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

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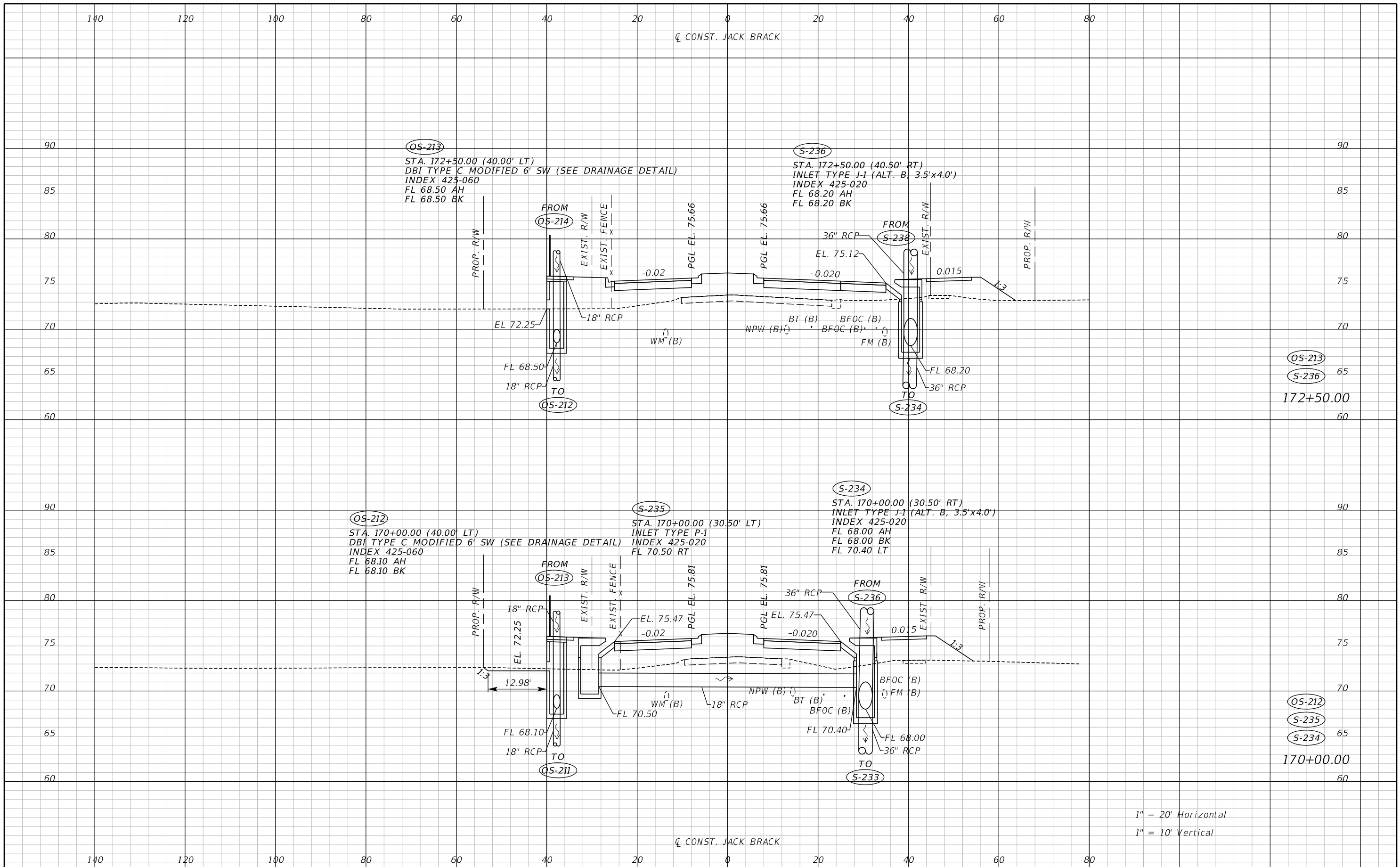
ENGINEER OF RECORD
 Zachary K. Evans, PE
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141

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OS-213
S-236
172+50.00

OS-212
S-235
S-234
170+00.00

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

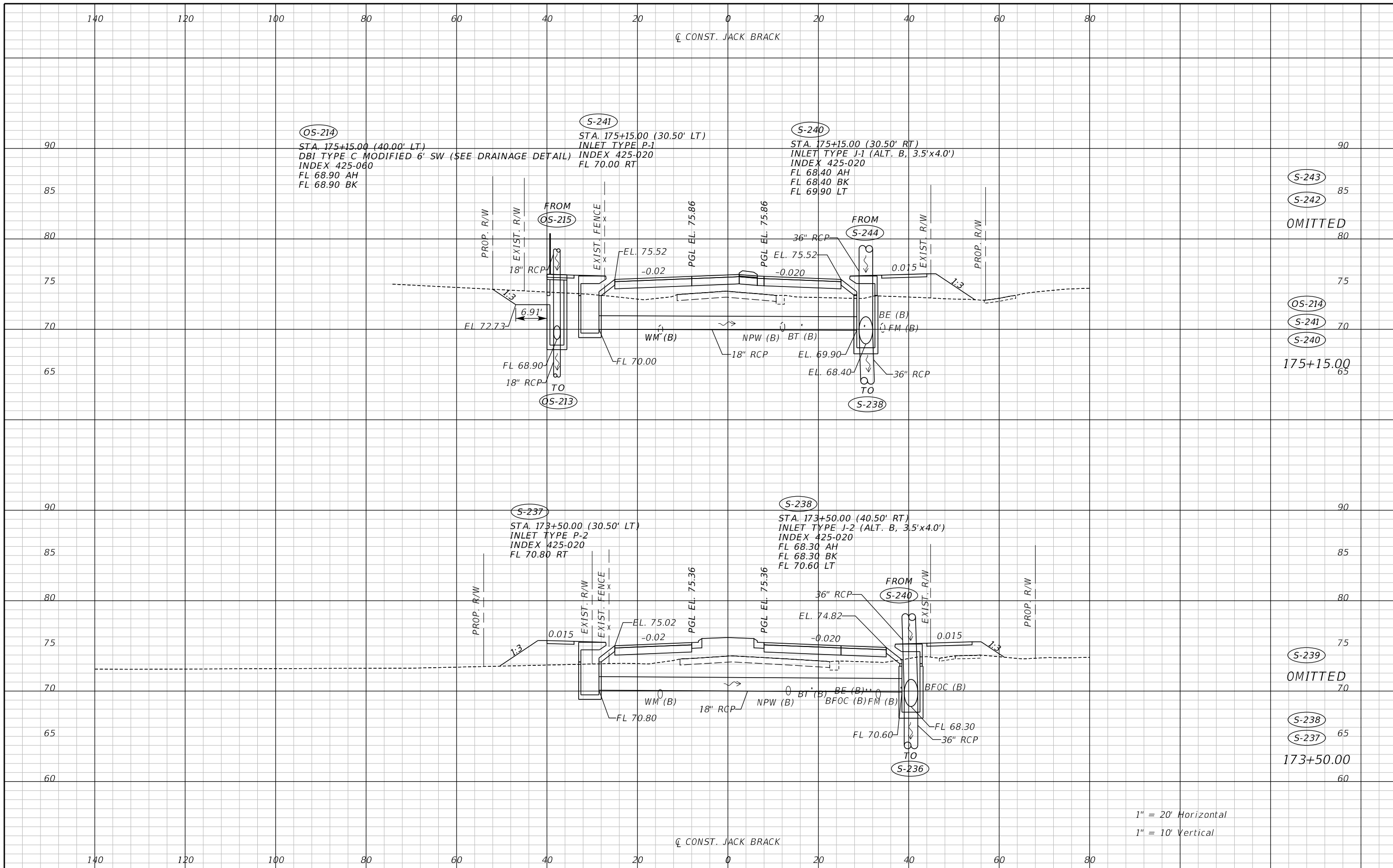
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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DRAINAGE STRUCTURES

SHEET NO.
142

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S-243
S-242
OMITTED
S-214
S-241
S-240
175+15.00

S-239
OMITTED
S-238
S-237
173+50.00

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

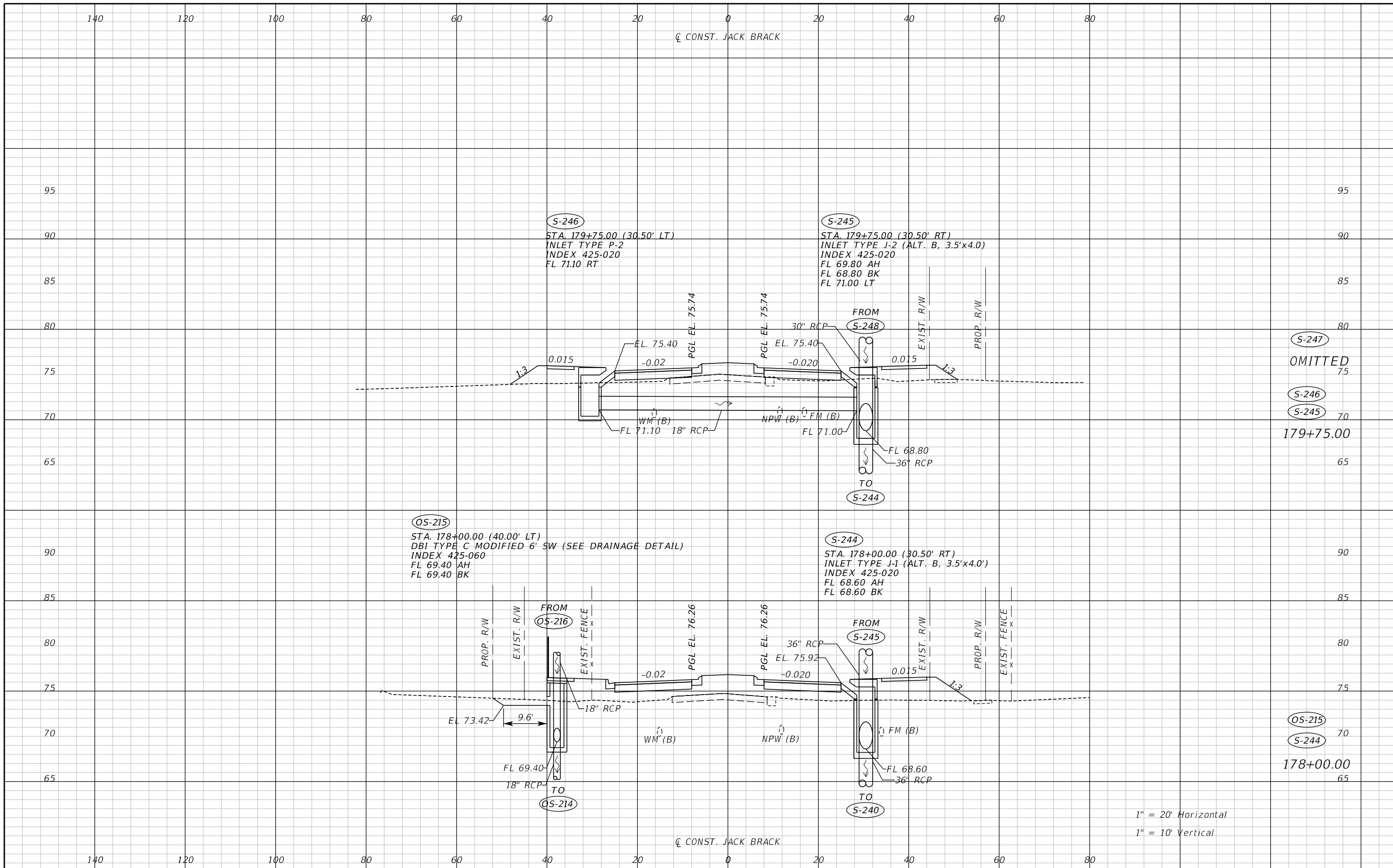
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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DRAINAGE STRUCTURES

SHEET NO.
143

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S-247
OMITTED
S-246
S-245
179+75.00

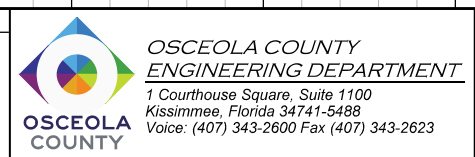
OS-215
S-244
178+00.00

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

REVISIONS		
DATE	BY	DESCRIPTION

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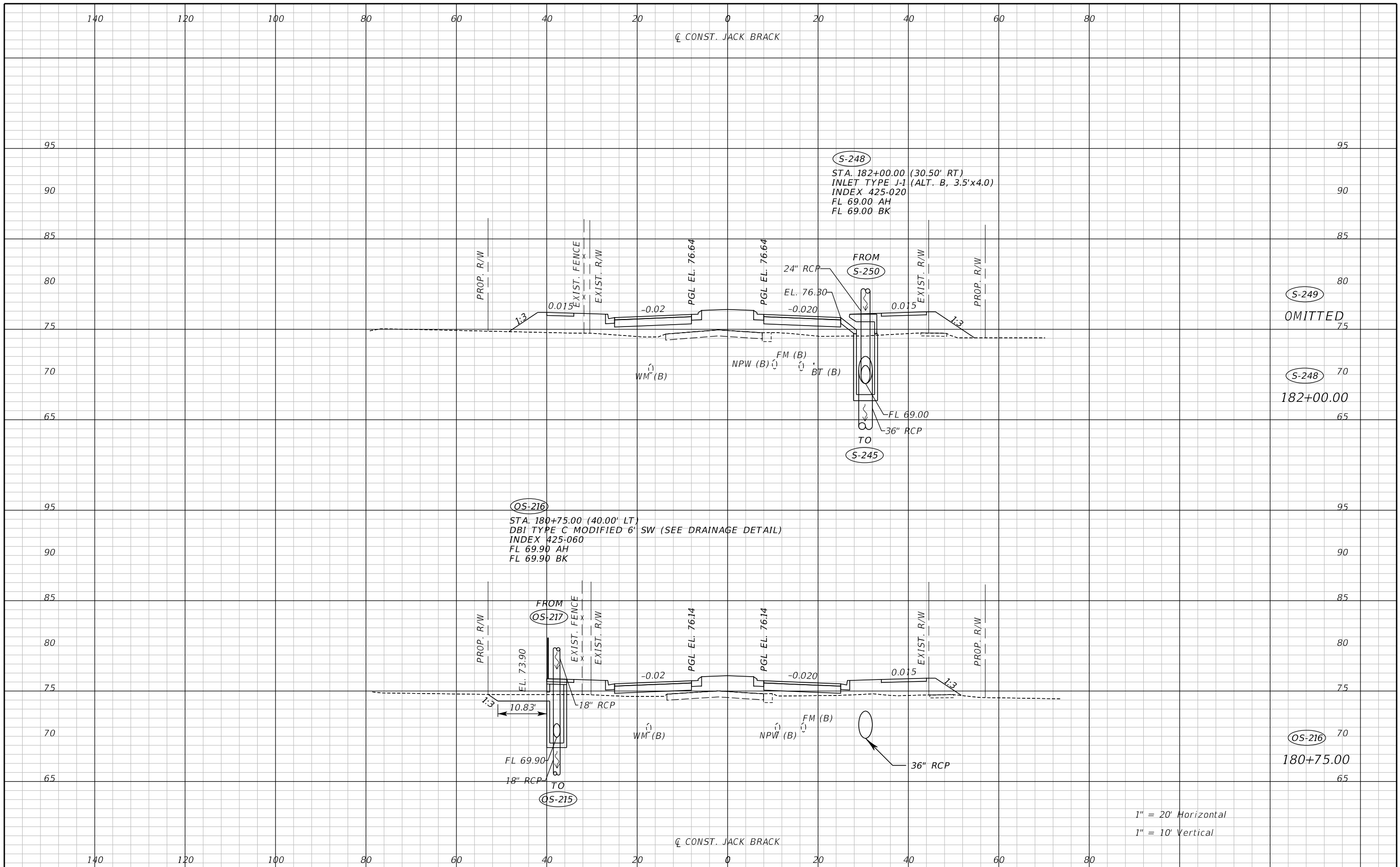
ENGINEER OF RECORD
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PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
144

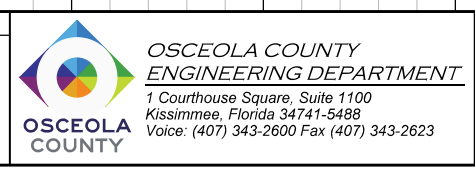
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

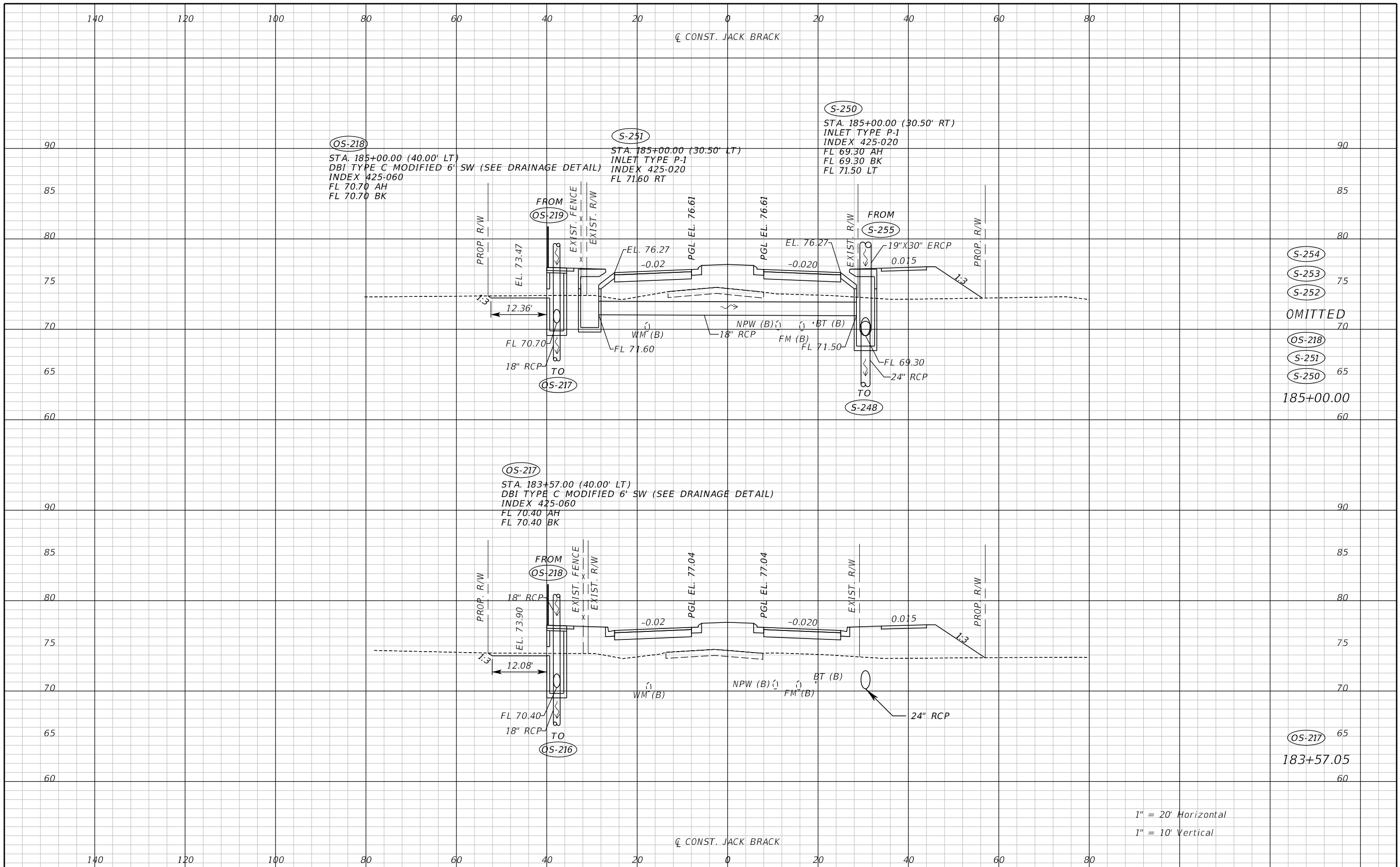
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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SHEET NO.
145

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- (S-254)
- (S-253)
- (S-252)
- OMITTED
- (OS-218)
- (S-251)
- (S-250)
- 185+00.00

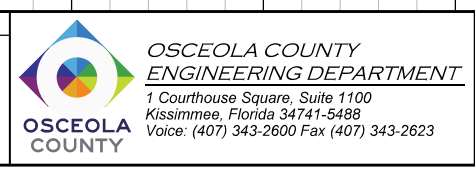
- (OS-217)
- 183+57.05

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

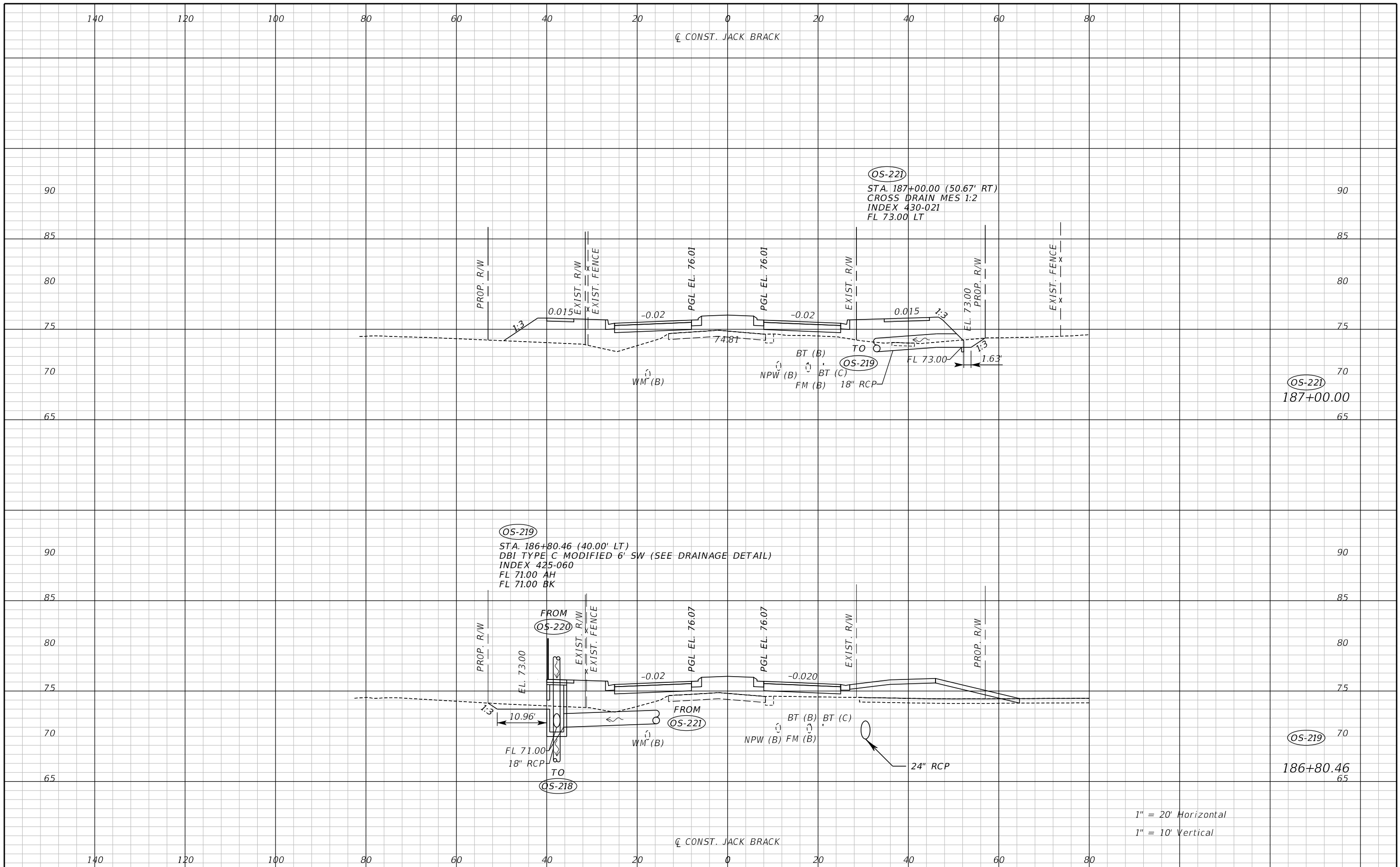
ENGINEER OF RECORD
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PE No. 80498
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DRAINAGE STRUCUTRES

SHEET NO.
146

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REVISIONS		
DATE	BY	DESCRIPTION

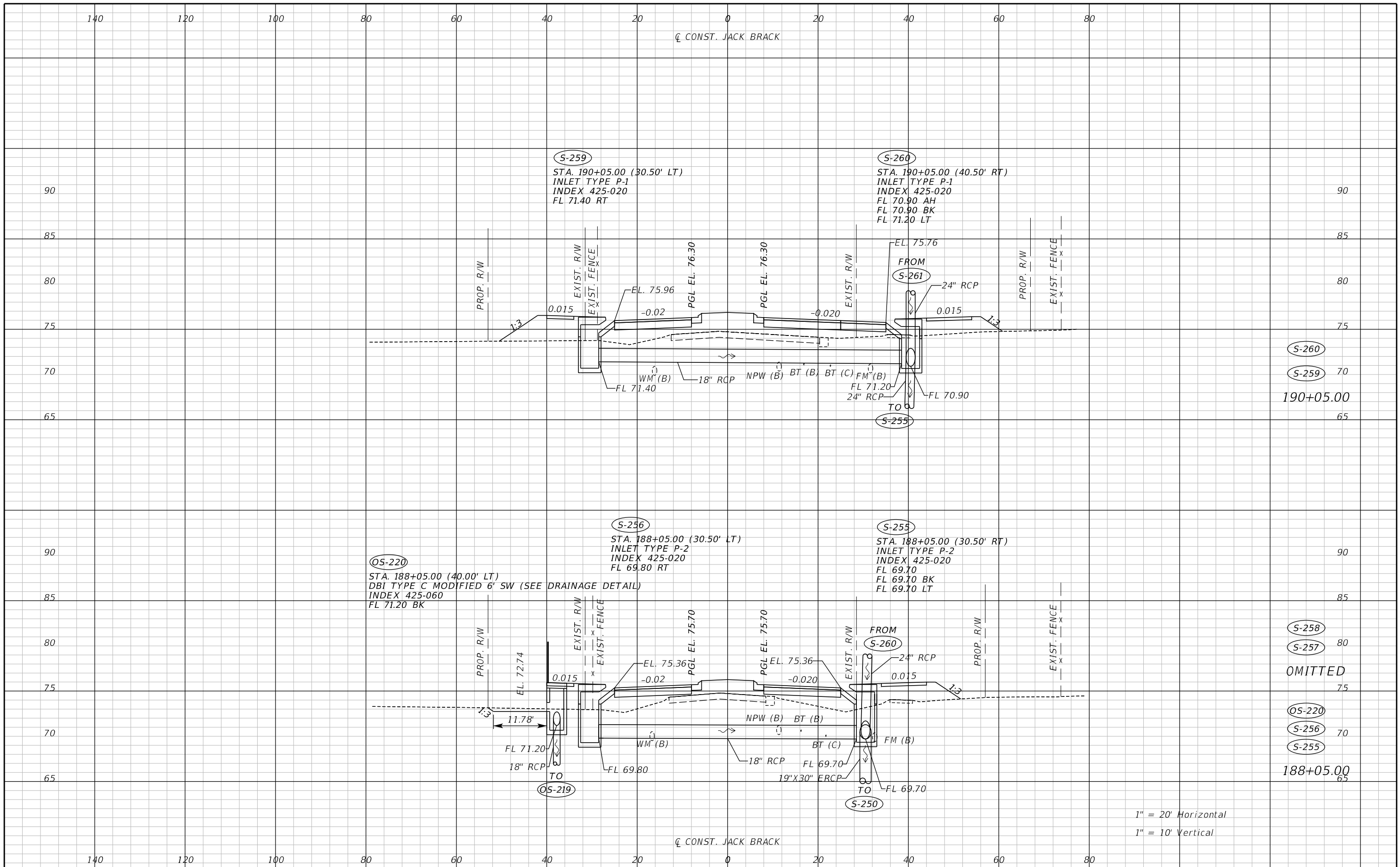
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
147

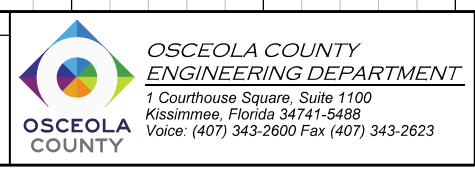


1" = 20' Horizontal
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REVISIONS		
DATE	BY	DESCRIPTION

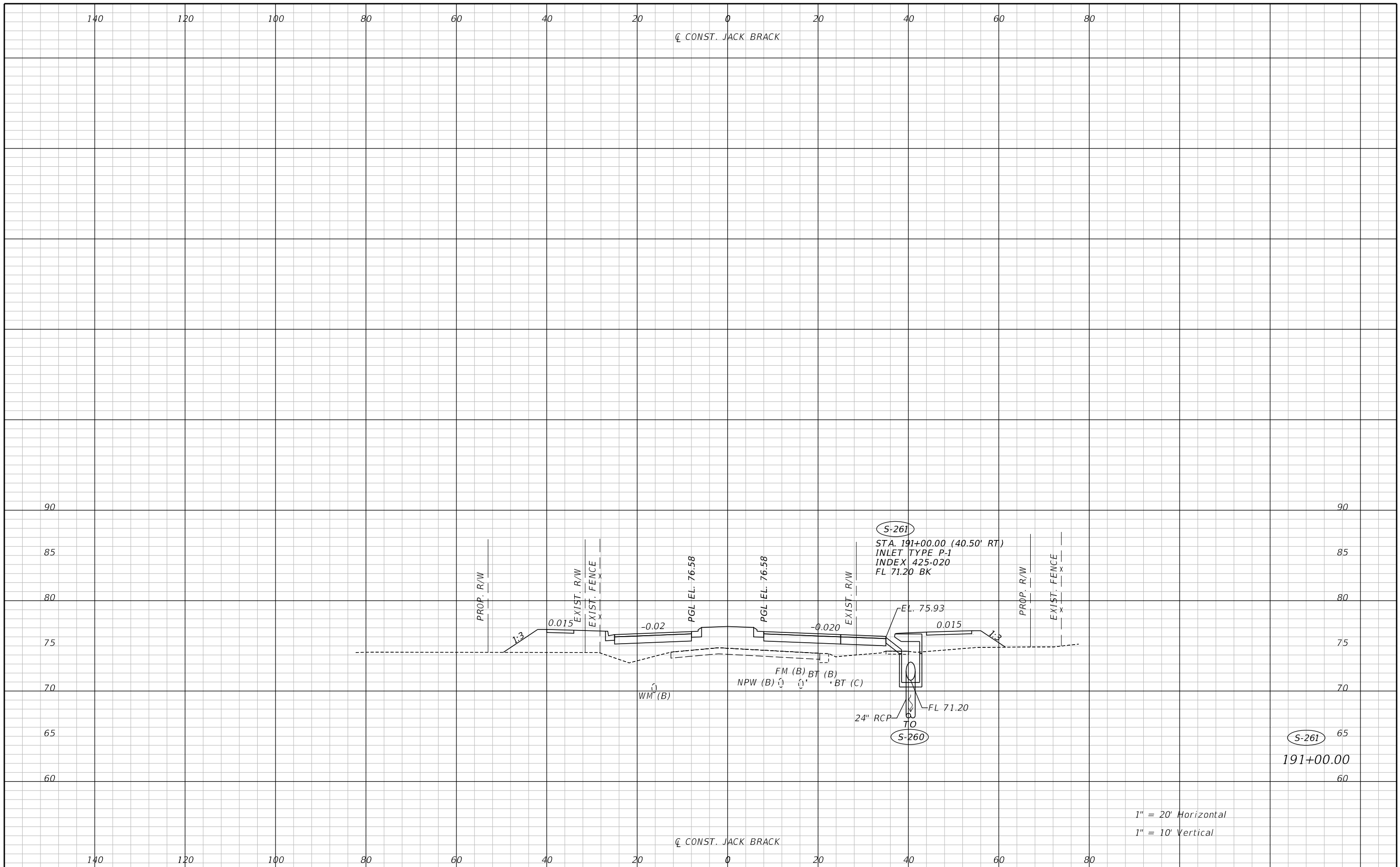
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
148



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

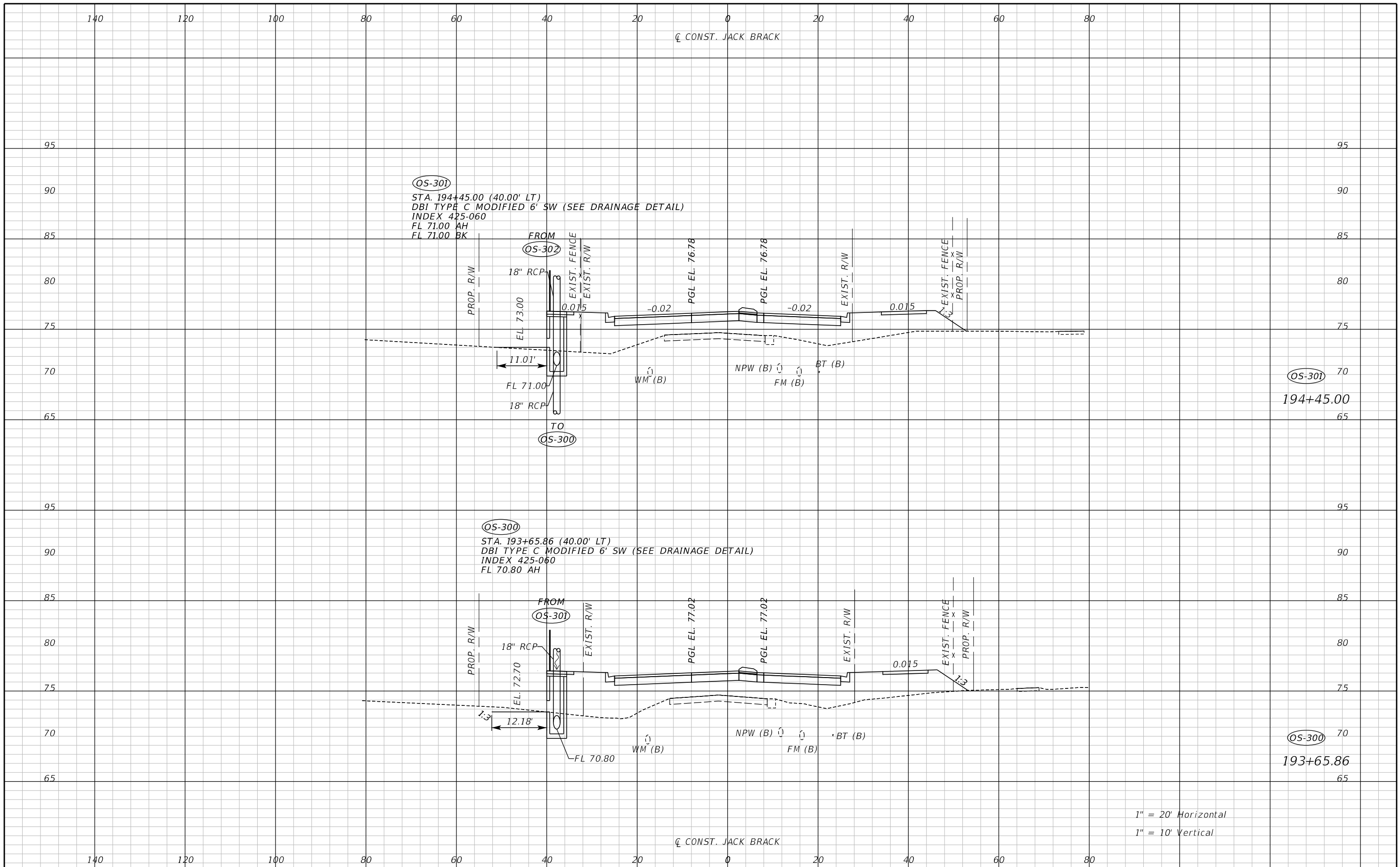
ENGINEER OF RECORD
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 PE No. 80498
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DRAINAGE STRUCTURES

SHEET NO.
149

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

REVISIONS		
DATE	BY	DESCRIPTION

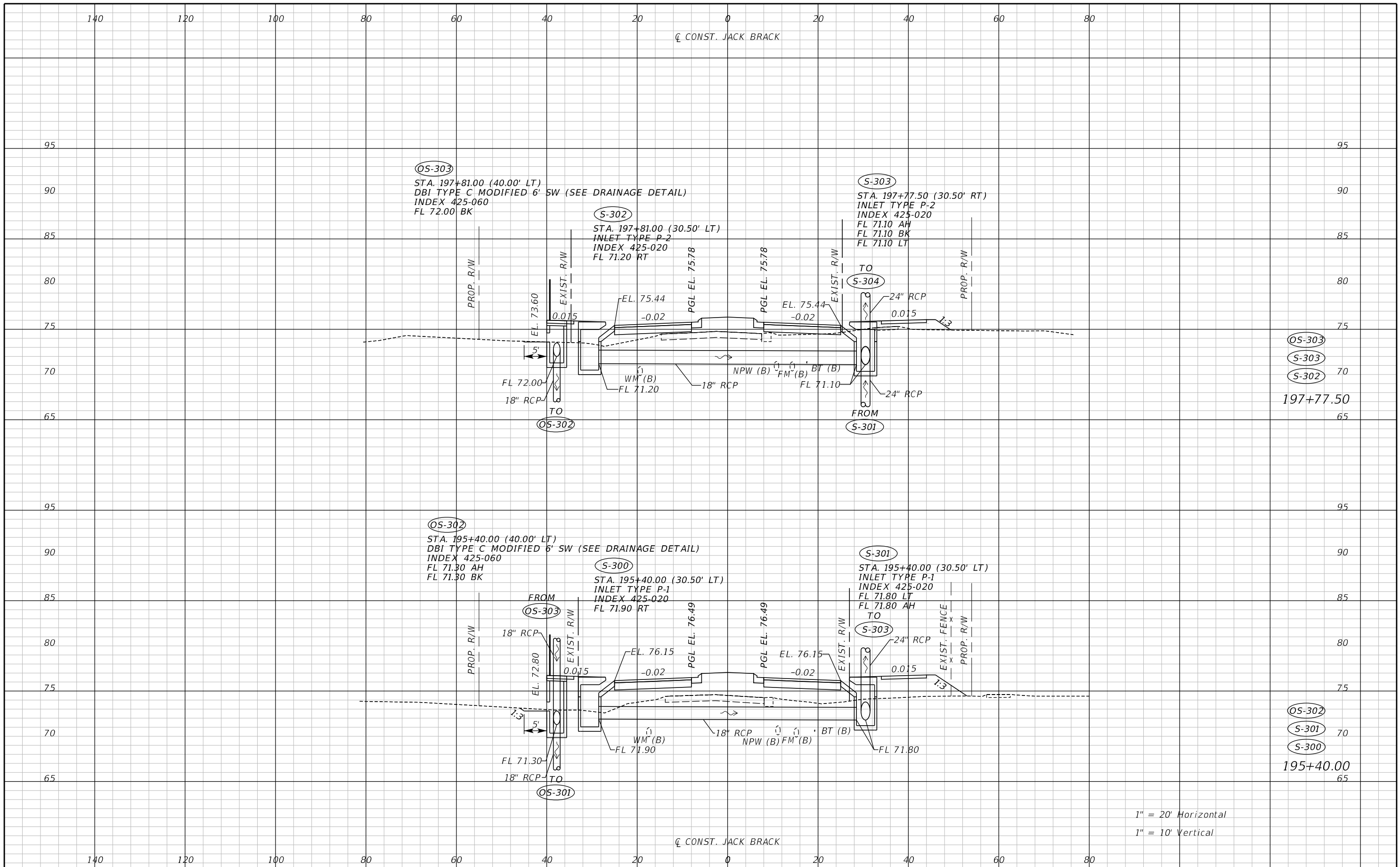
**JACK BRACK ROAD
WIDENING**

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PE No. 80498
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Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
150



OS-303
S-303
S-302
197+77.50

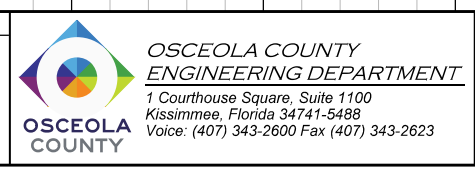
OS-302
S-301
S-300
195+40.00

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

REVISIONS		
DATE	BY	DESCRIPTION

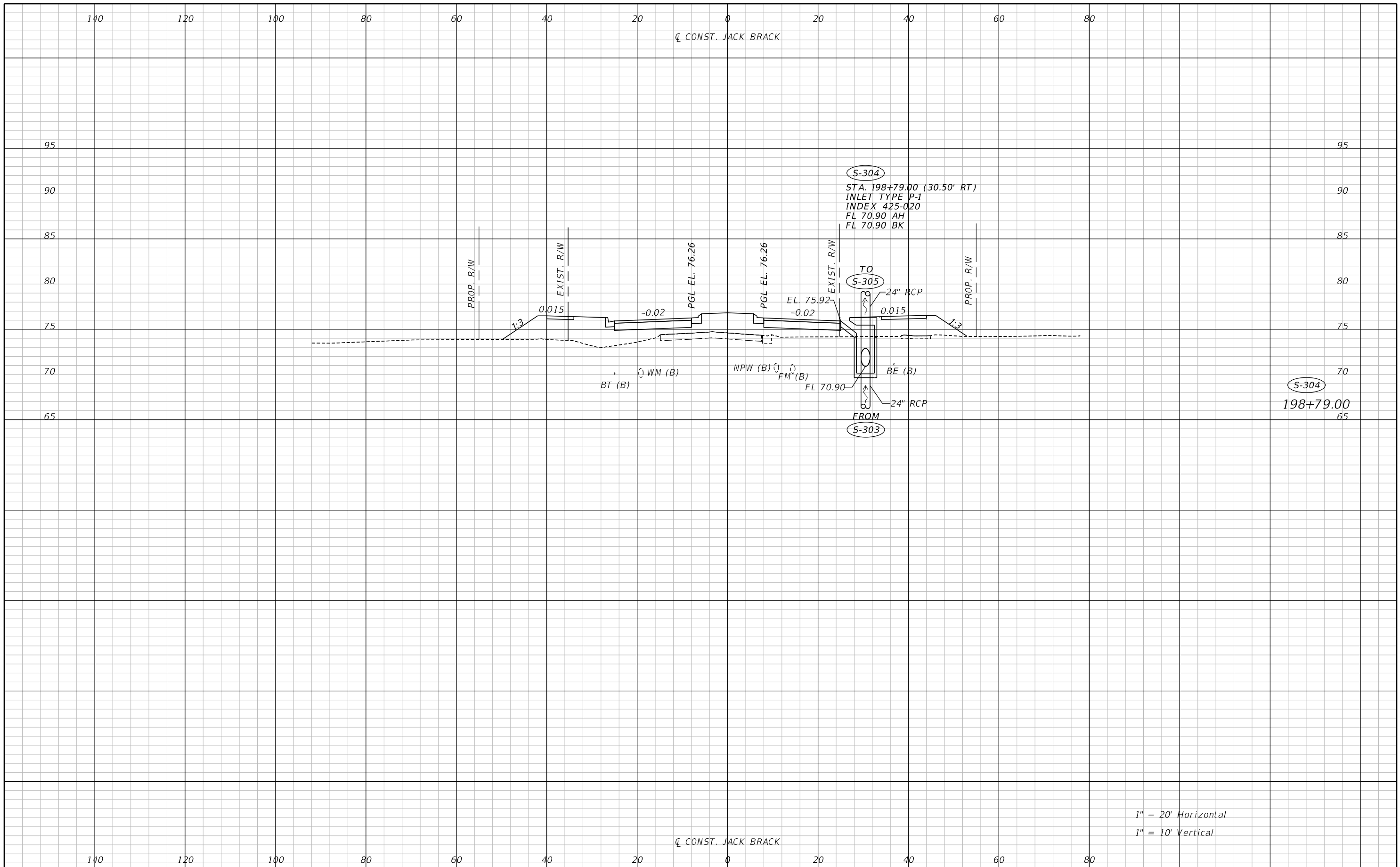
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
151



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

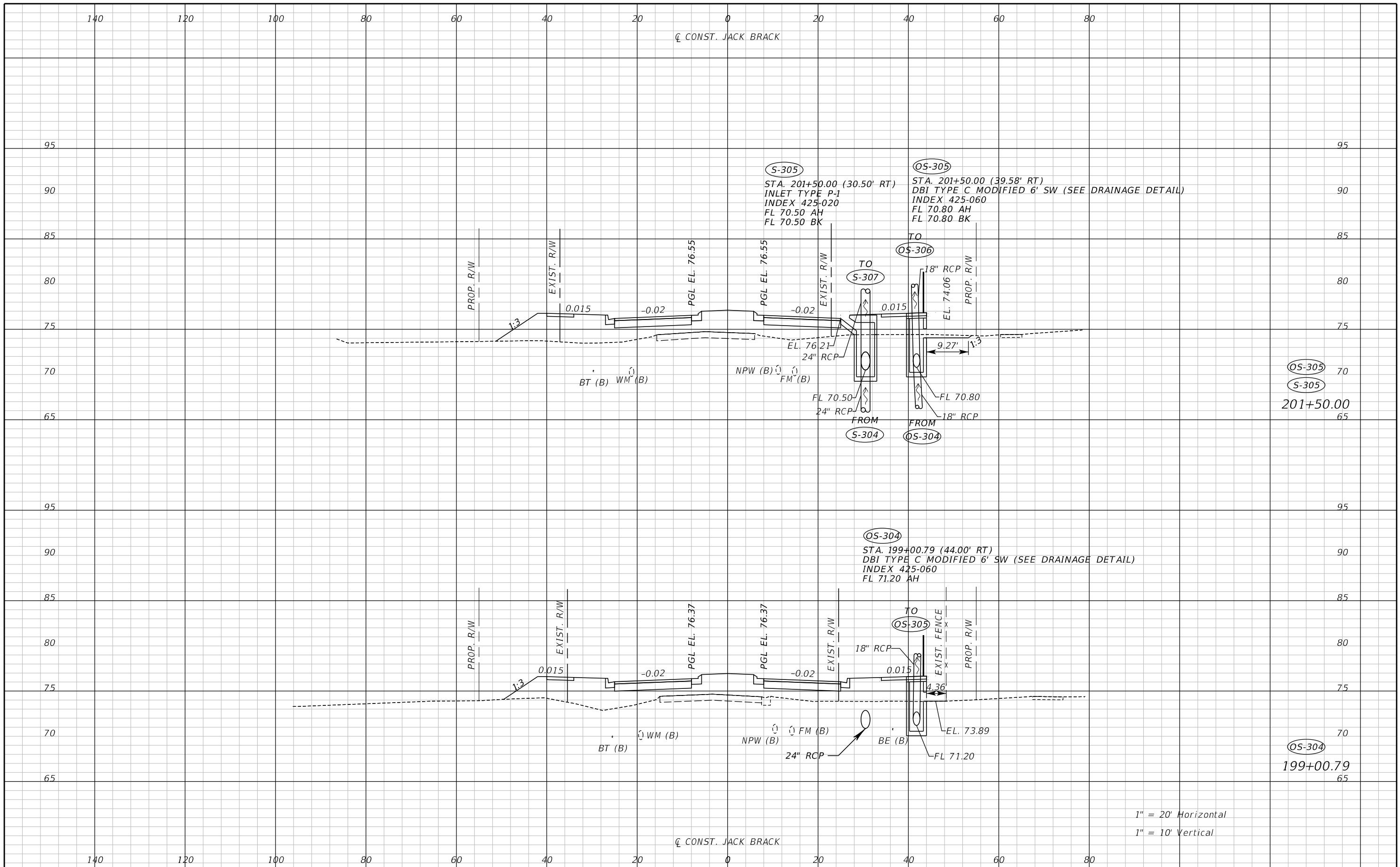
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
152

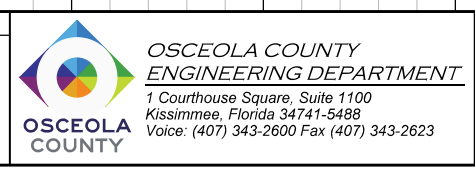
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

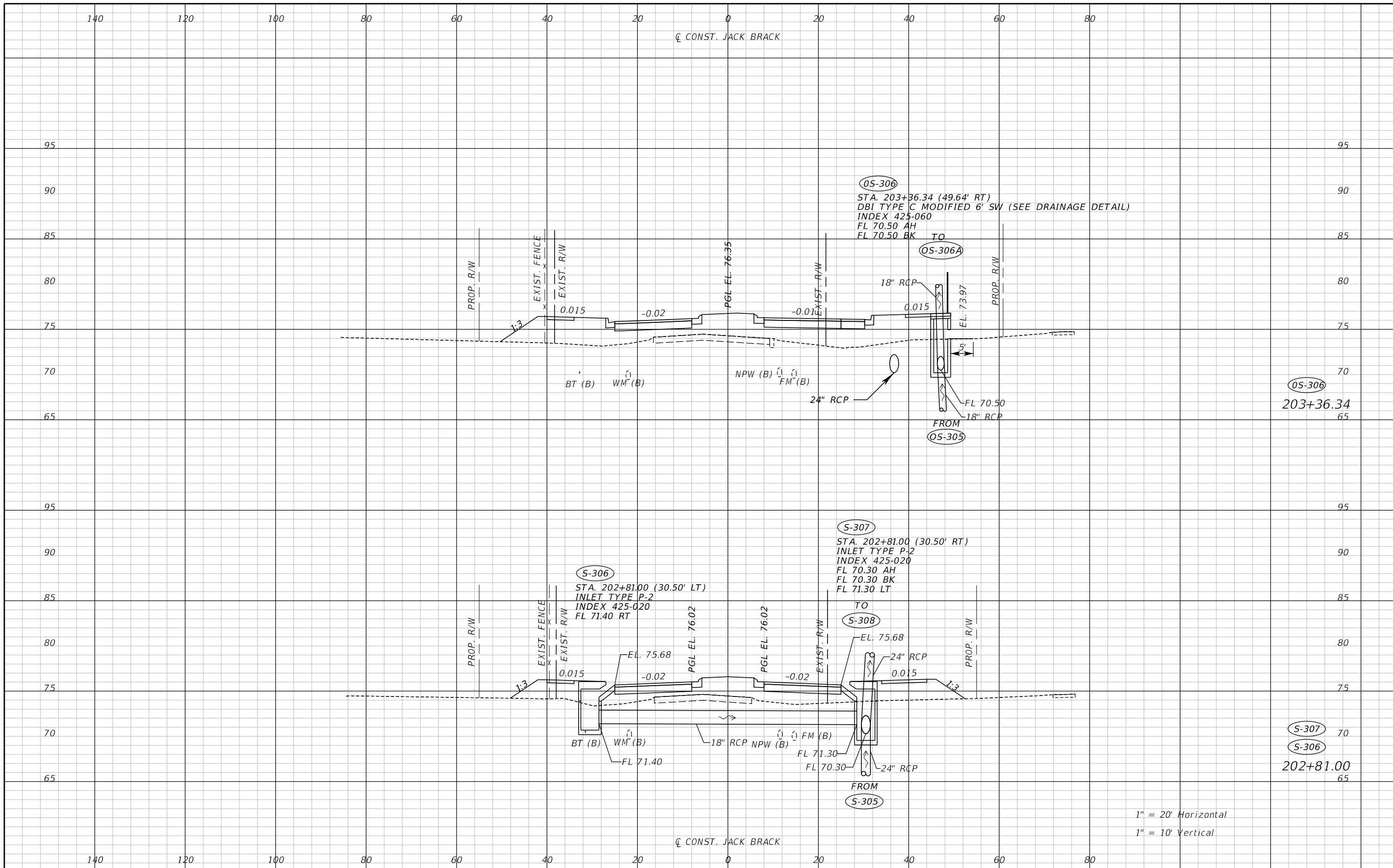
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
153

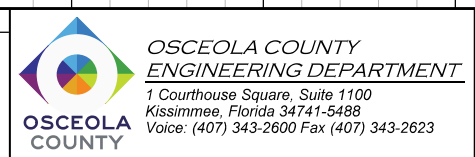
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

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WIDENING**

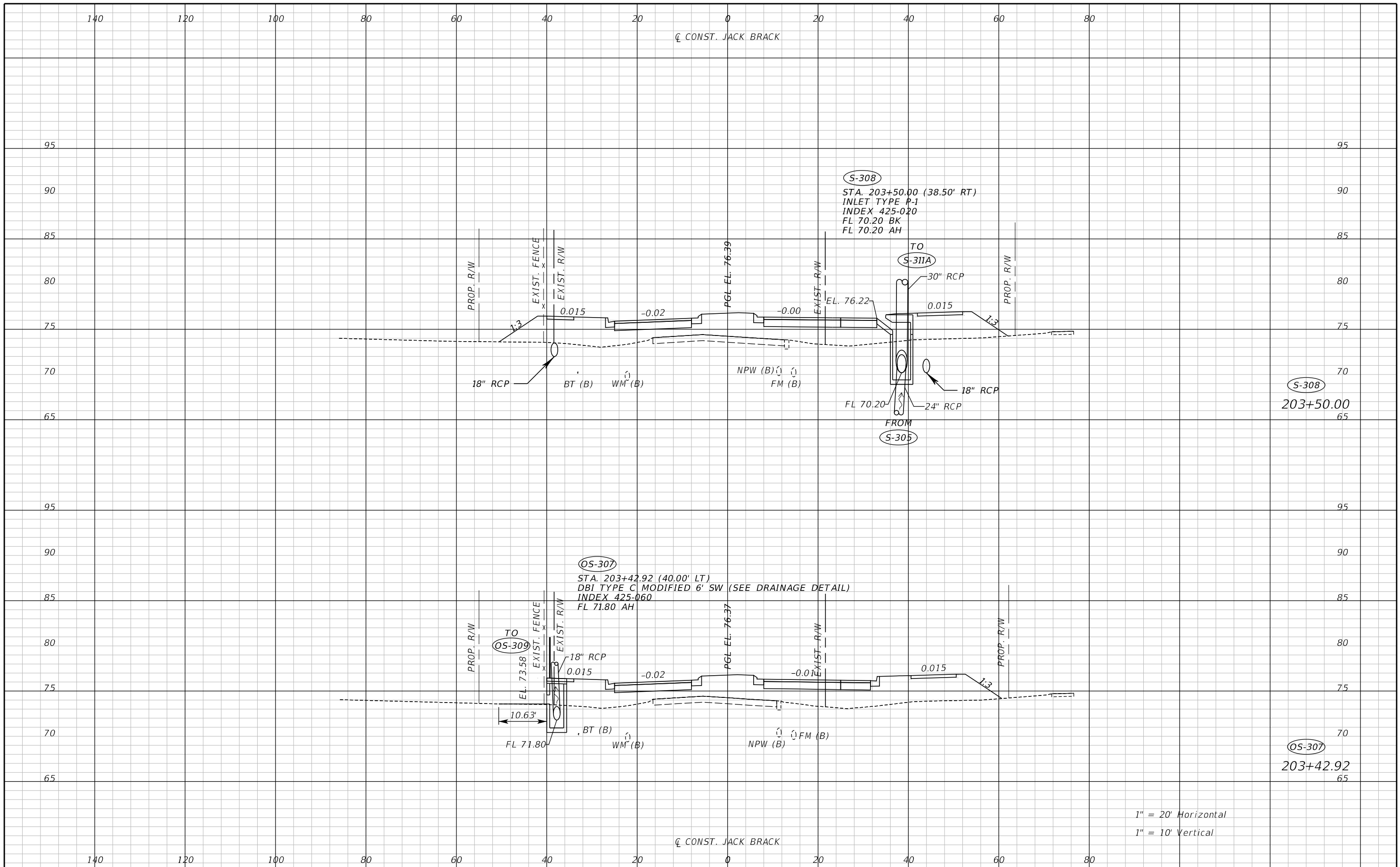
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
154

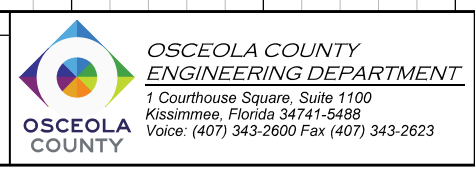
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REVISIONS		
DATE	BY	DESCRIPTION

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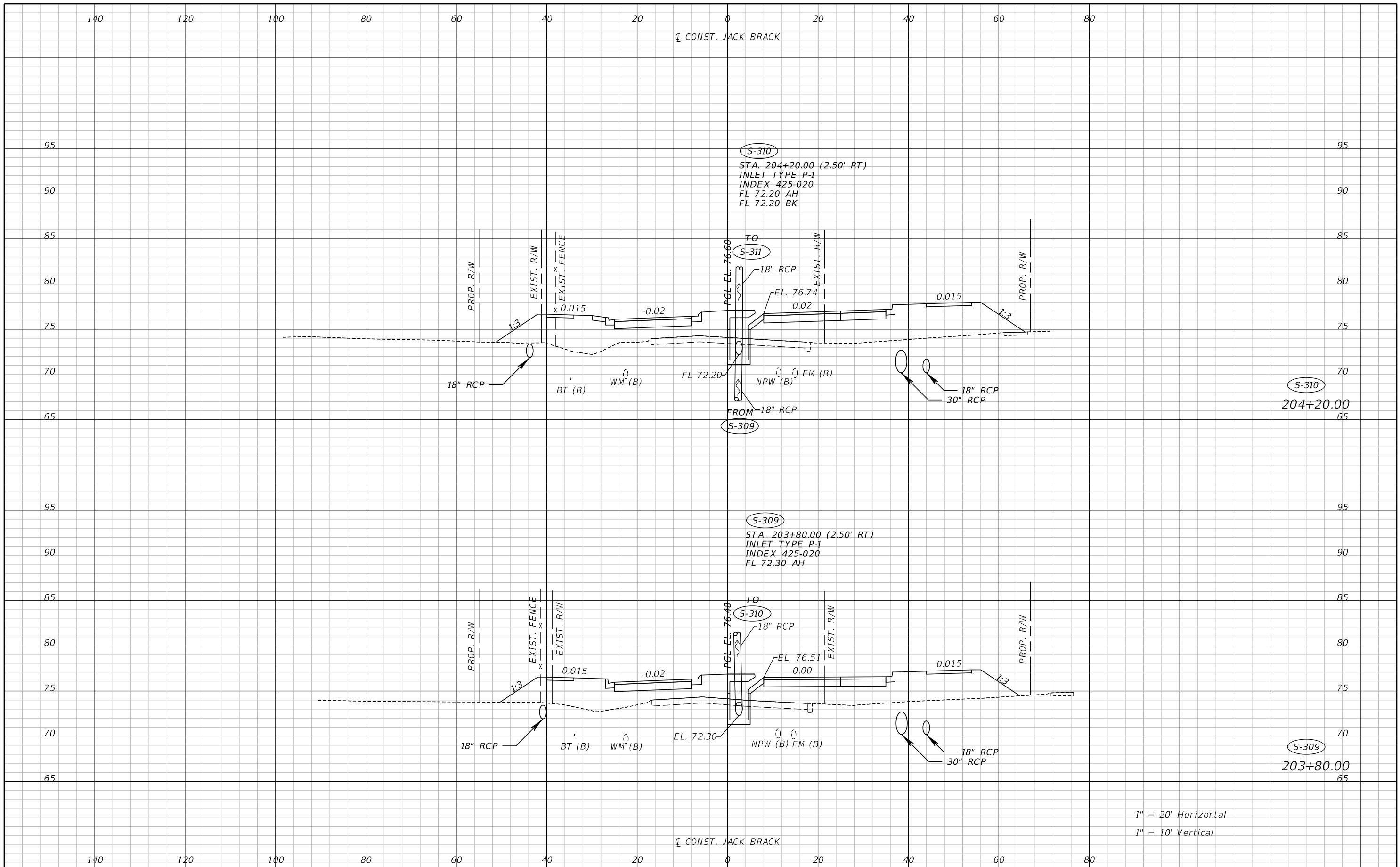
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
155

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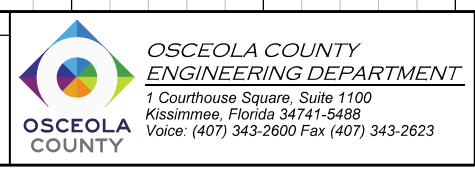


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

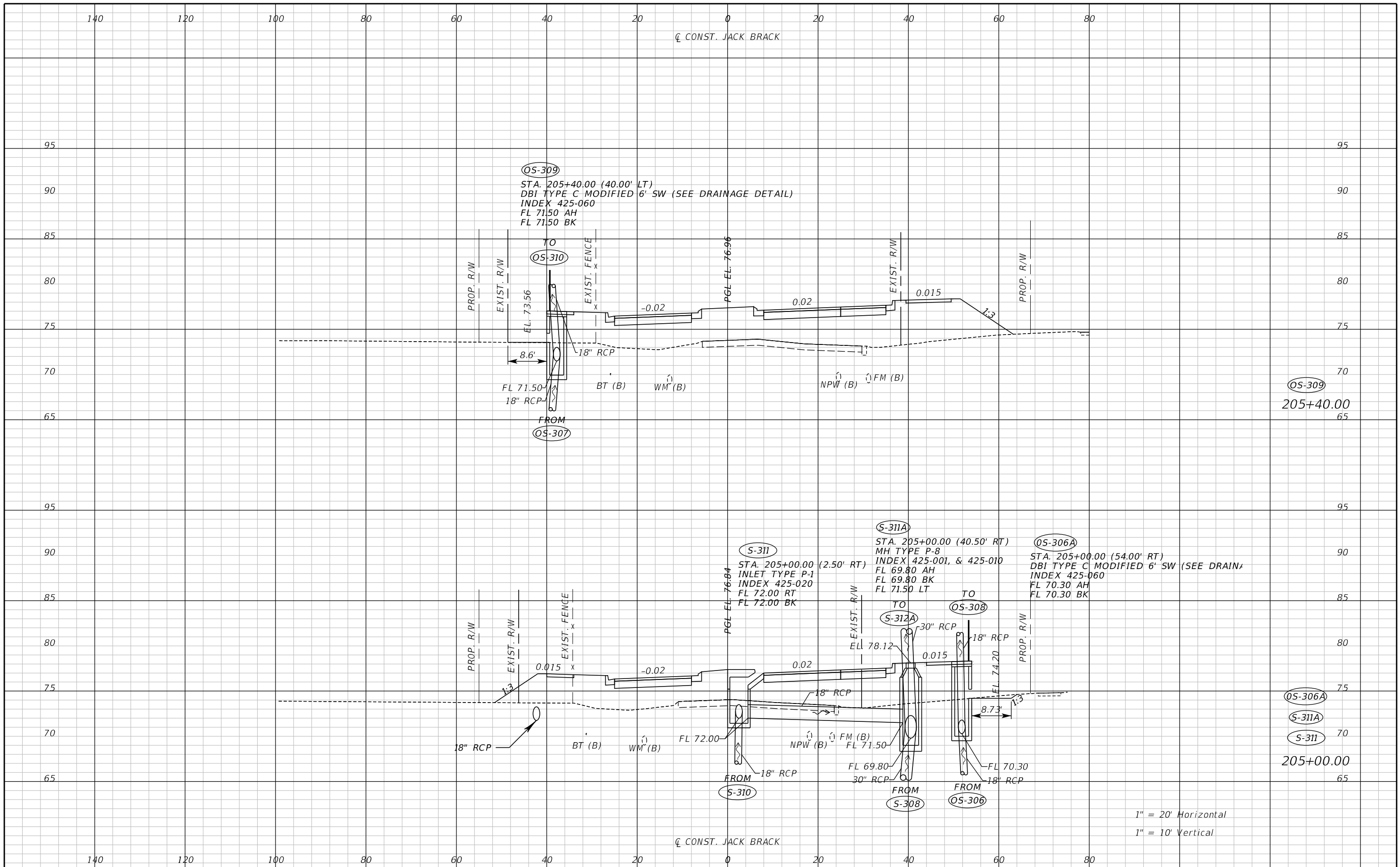
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

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156

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

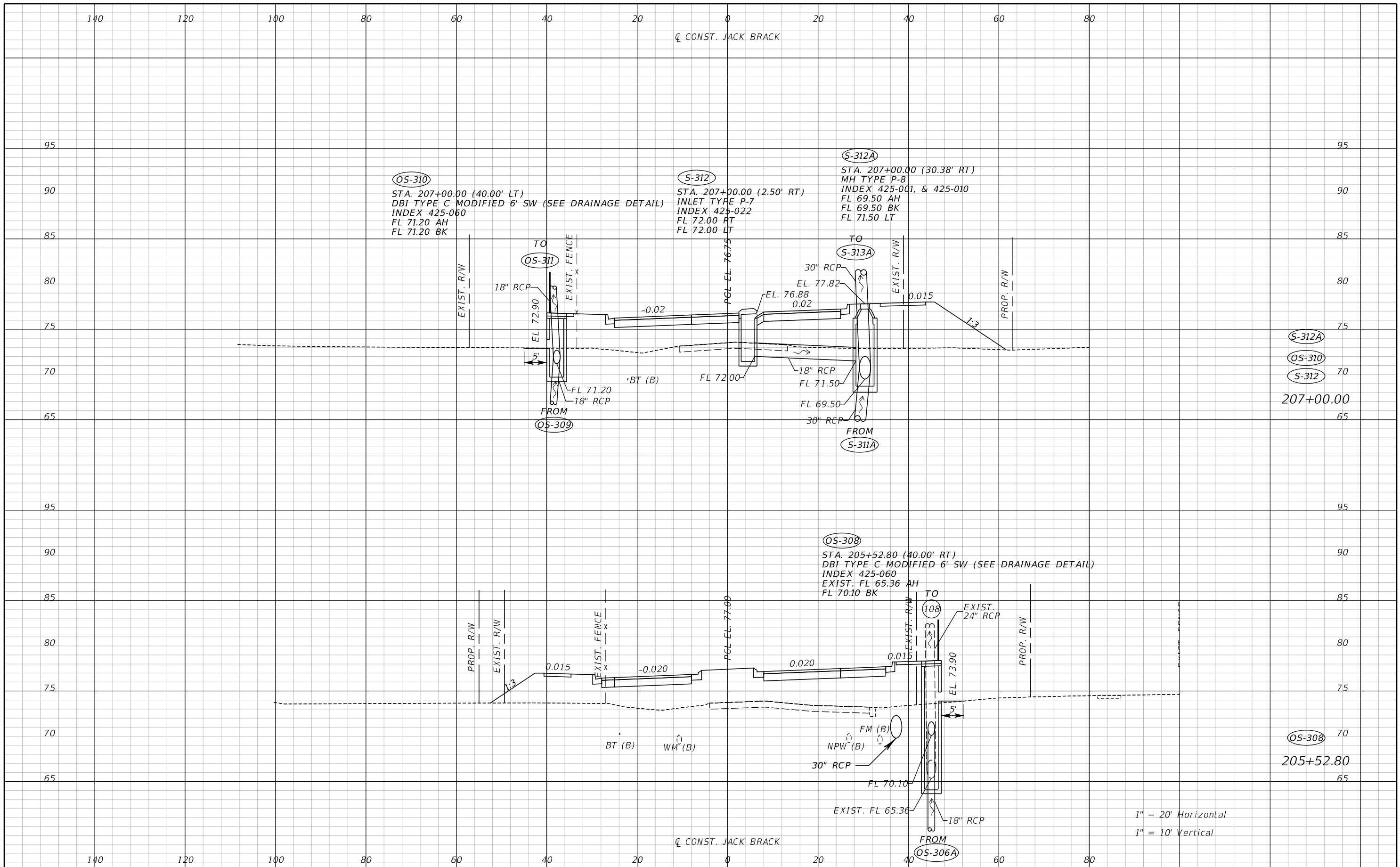
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
157

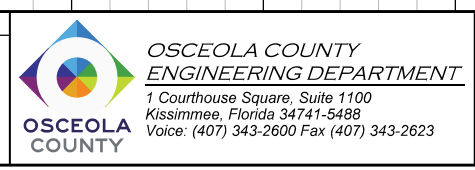
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

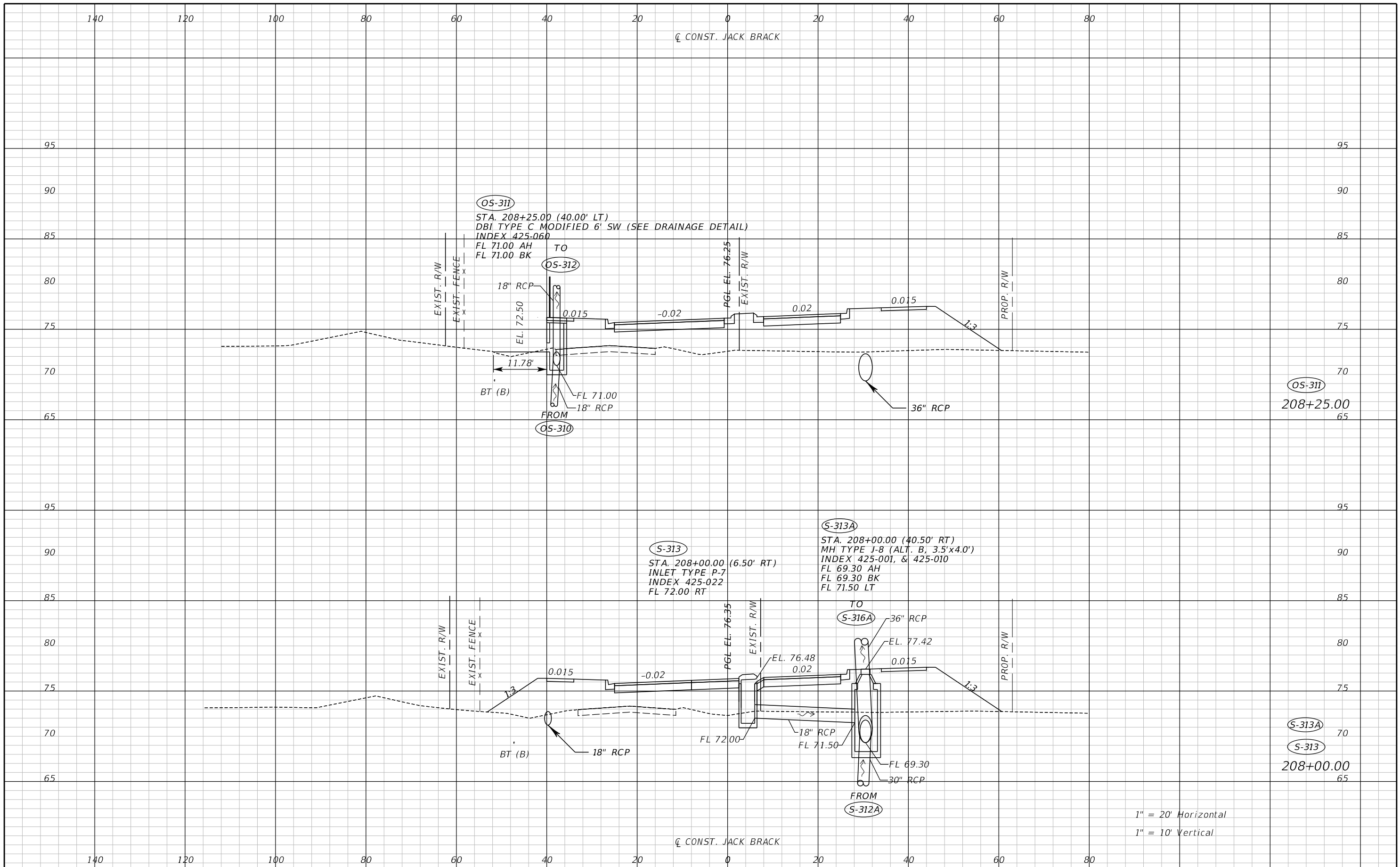
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
158

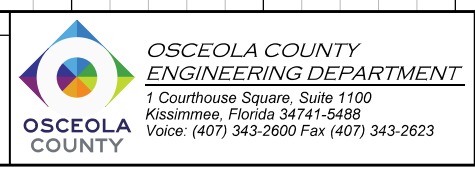
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

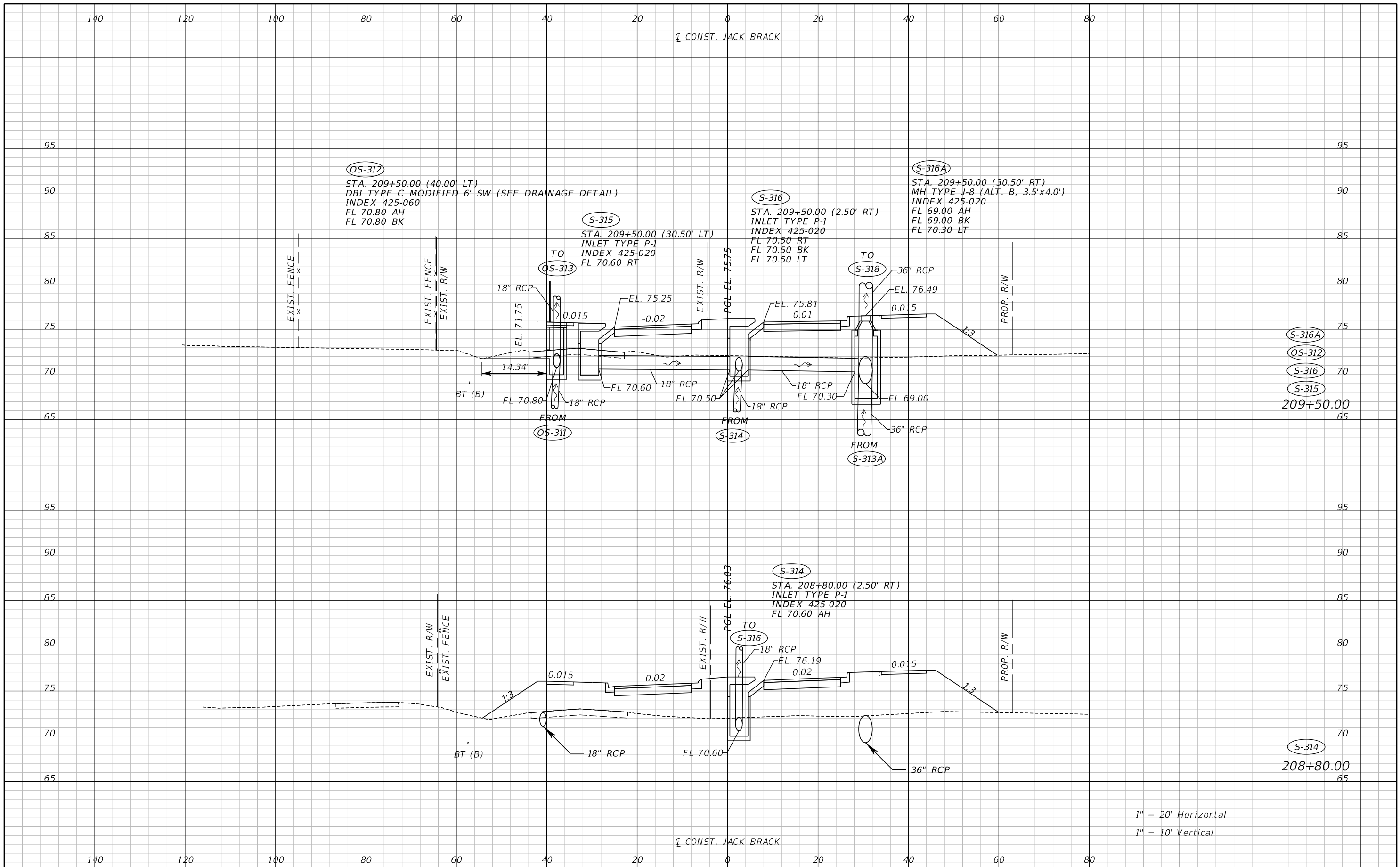
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRAINAGE STRUCTURES

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S-316A
 OS-312
 S-316
 S-315
 209+50.00

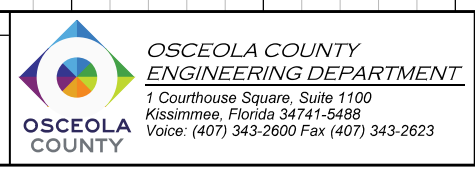
S-314
 208+80.00

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

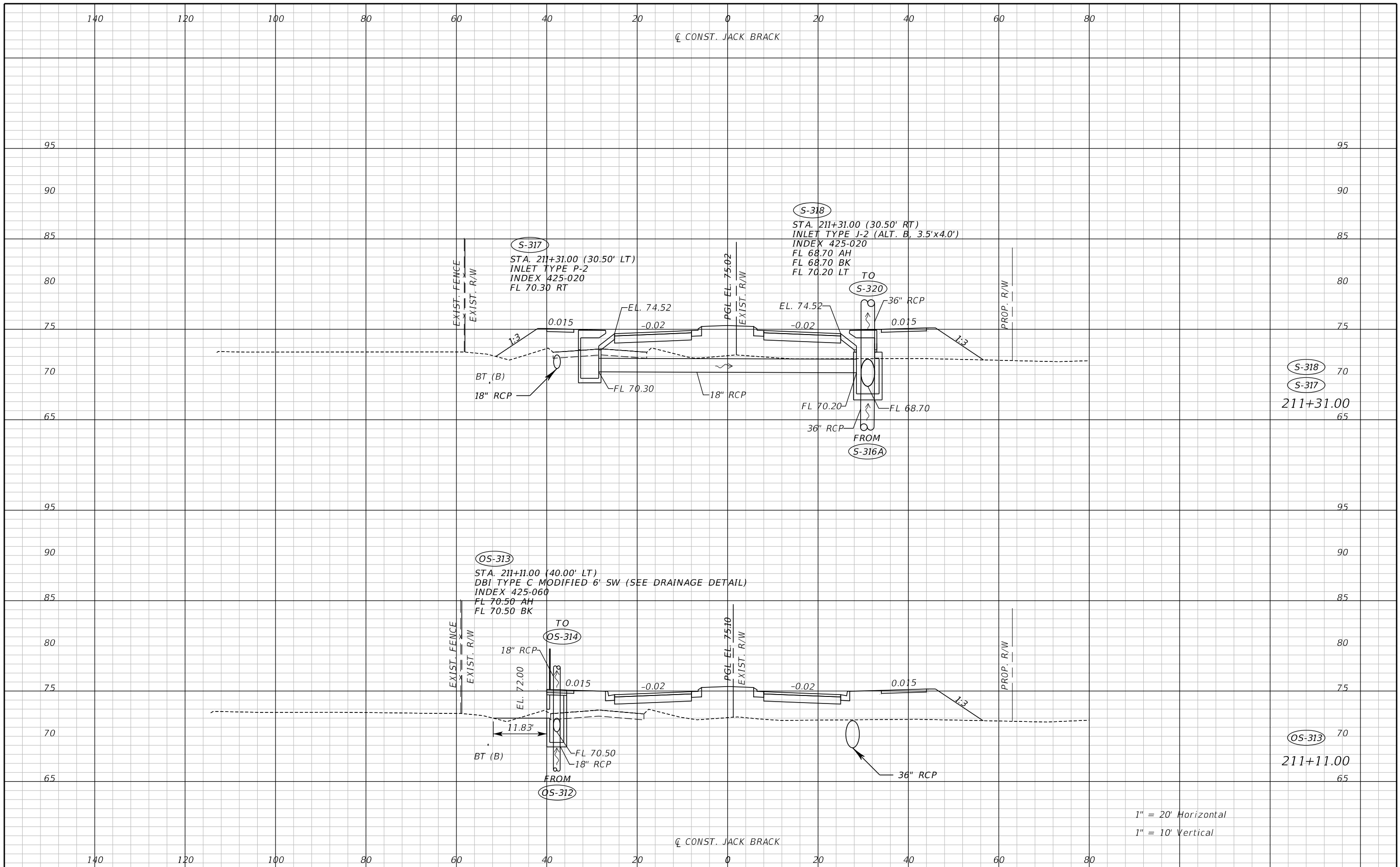
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovers Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
 160

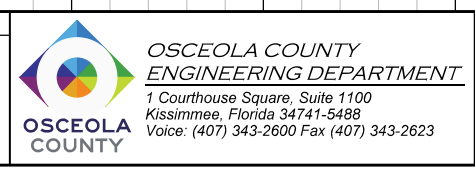
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

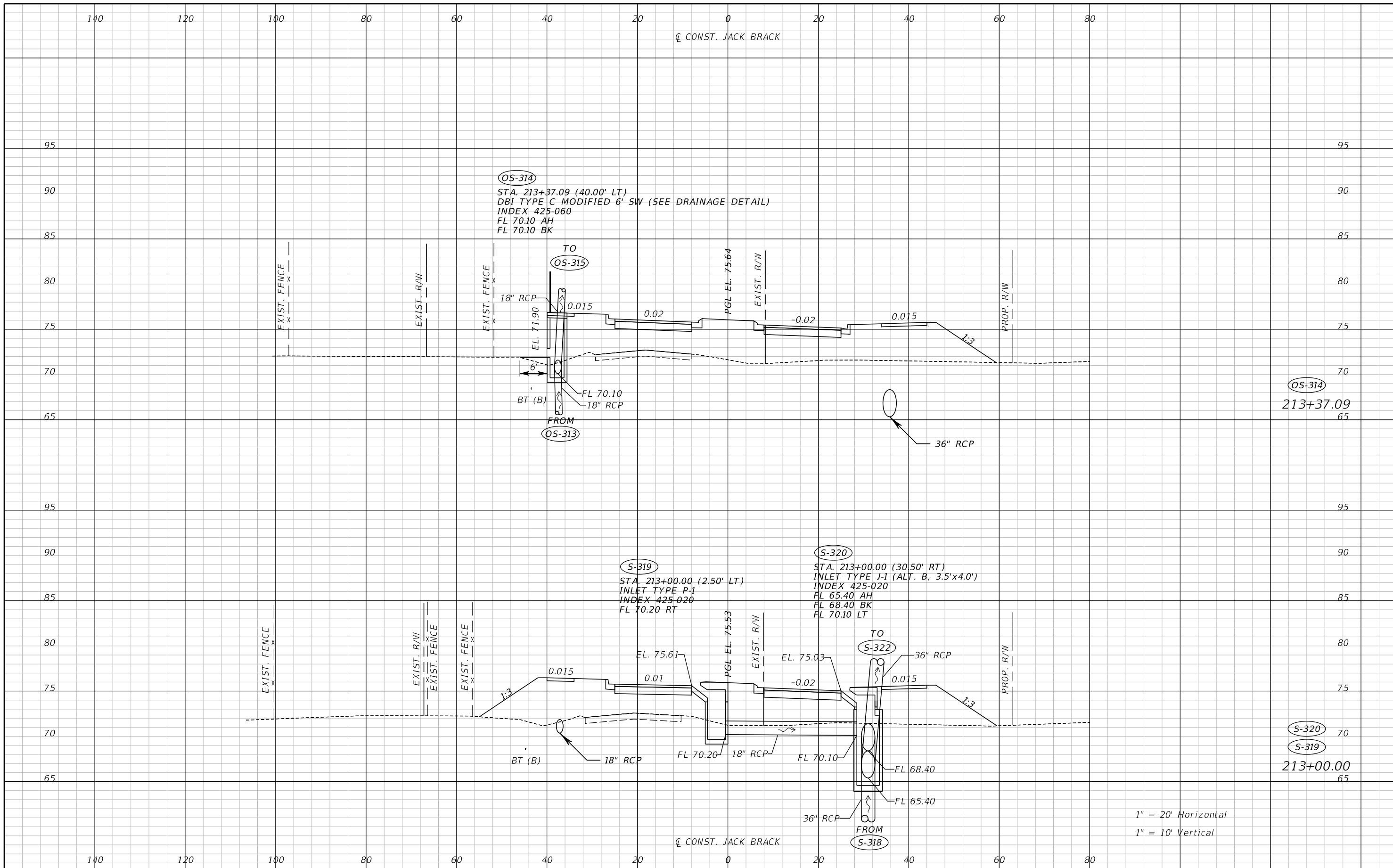
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
161

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OS-314
213+37.09

S-320
S-319
213+00.00

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

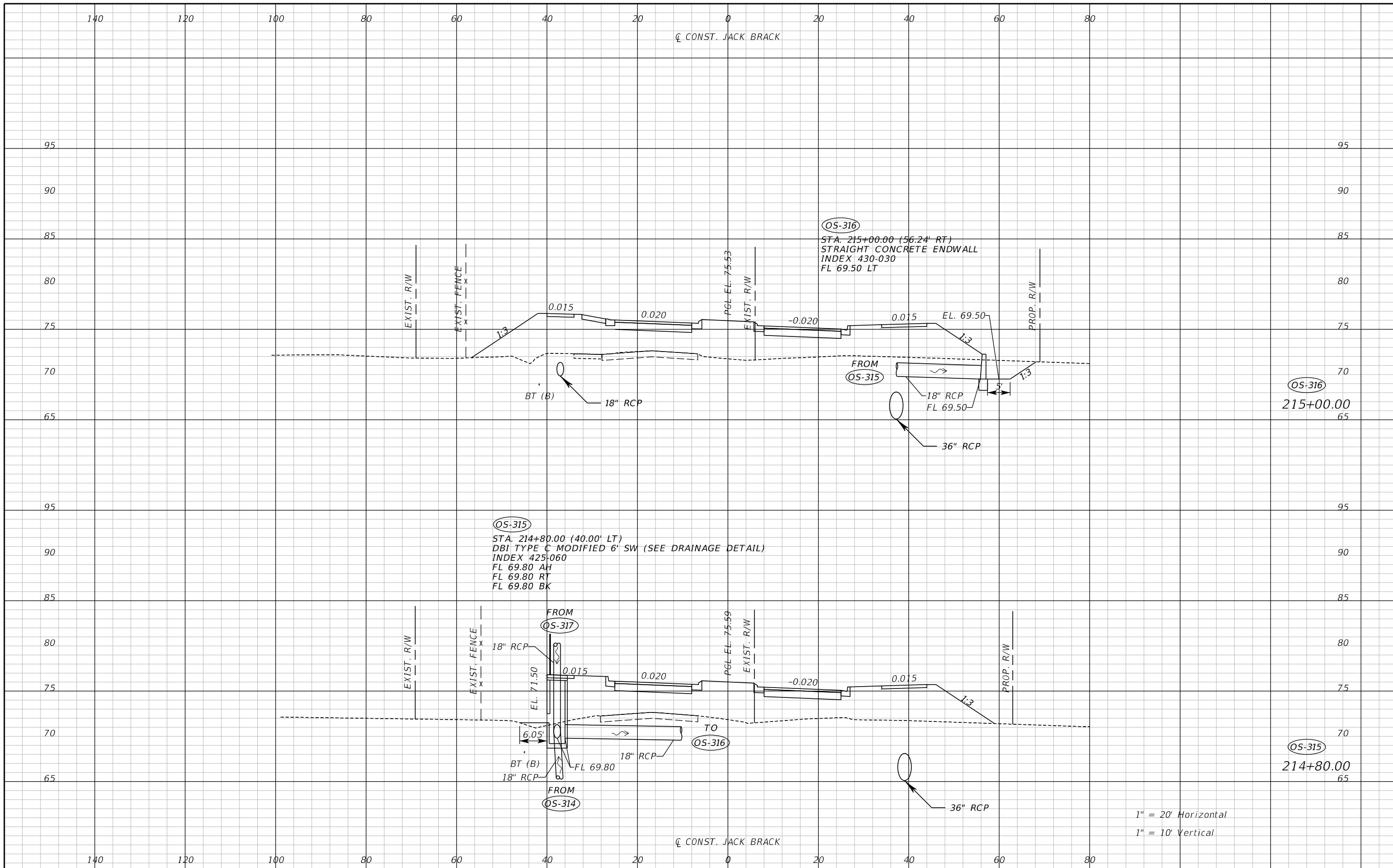
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

DRAINAGE STRUCTURES

SHEET NO.
162


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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

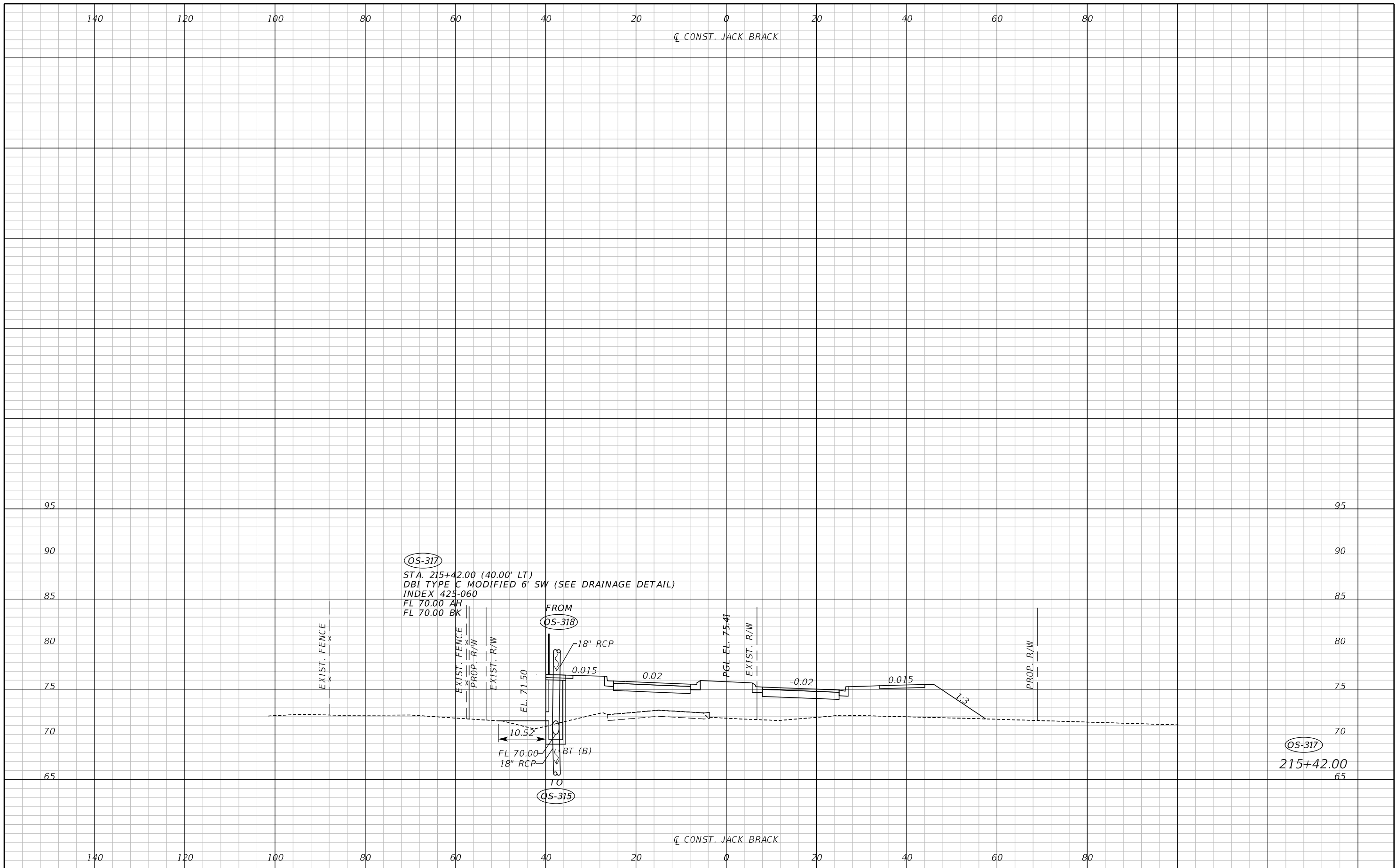
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

DRAINAGE STRUCTURES

SHEET
NO.
163

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



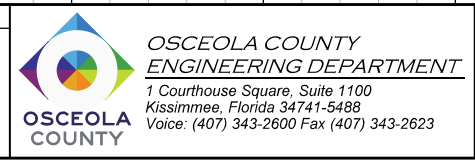
OS-317
 STA. 215+42.00 (40.00' LT)
 DBI TYPE C MODIFIED 6' SW (SEE DRAINAGE DETAIL)
 INDEX 423-060
 FL 70.00 AH
 FL 70.00 BK

OS-317
 215+42.00

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

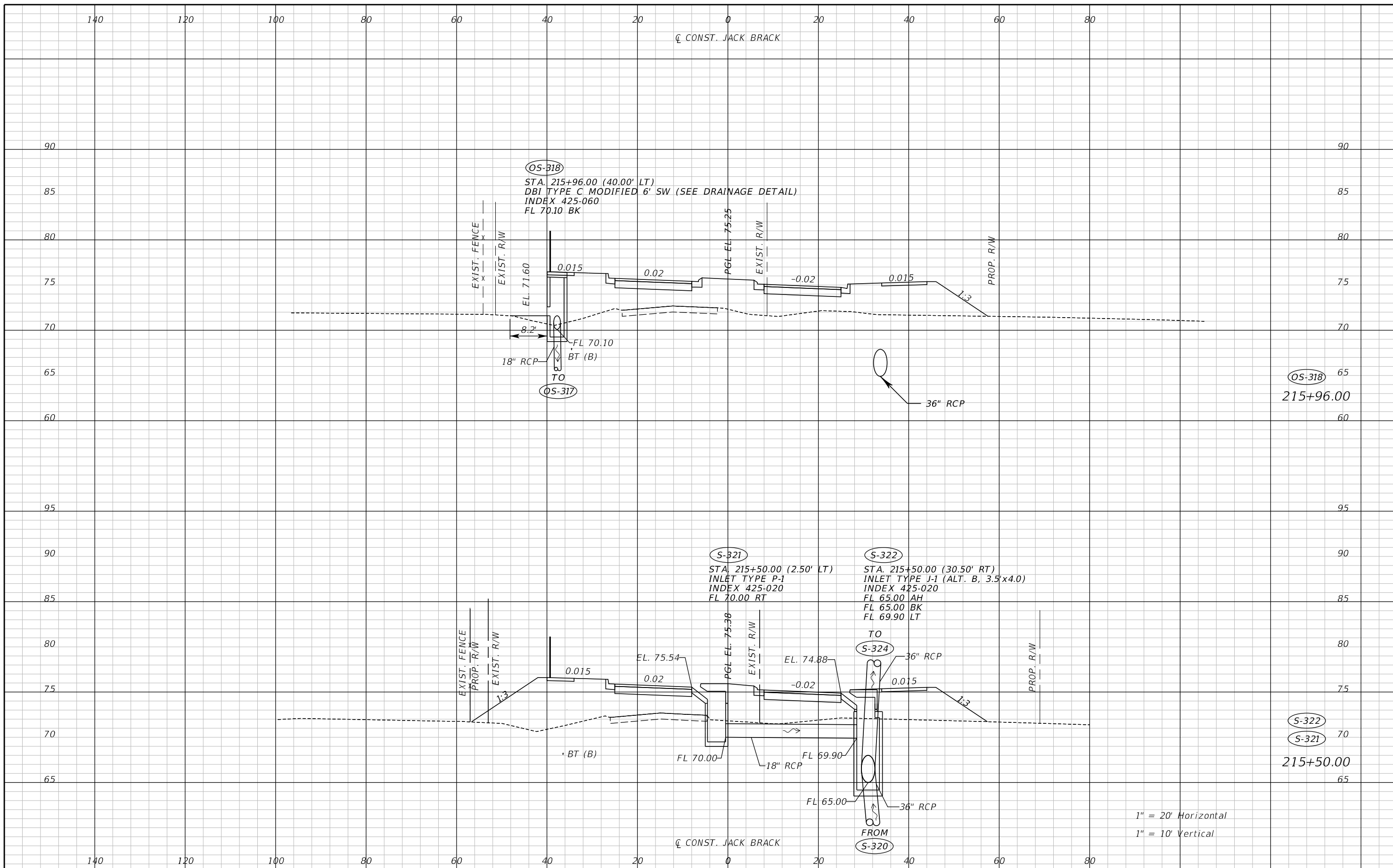
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
 164

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

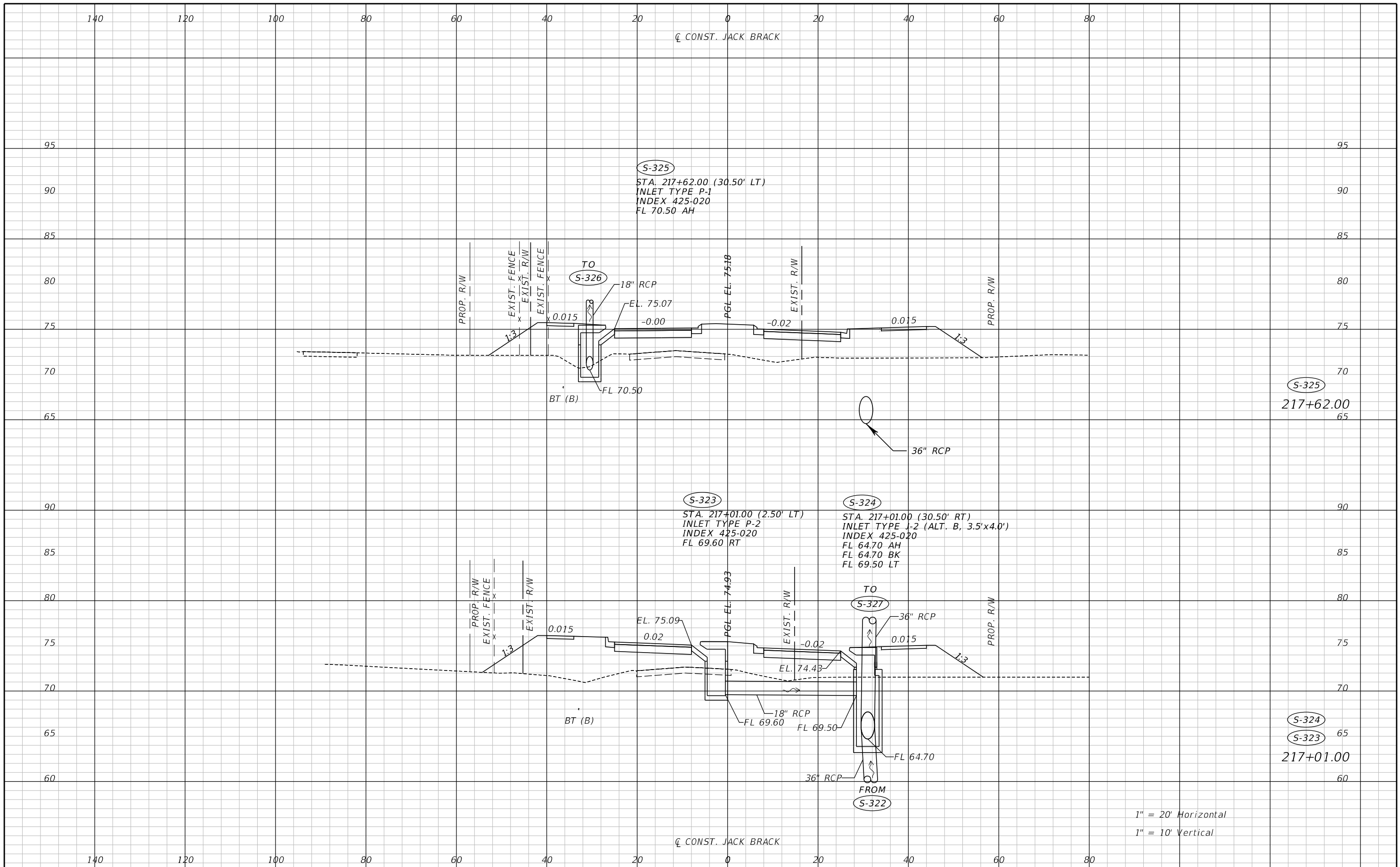
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
165

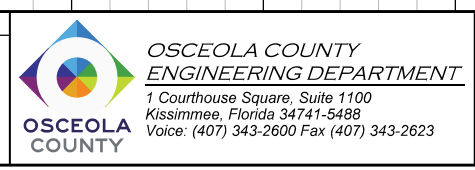
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

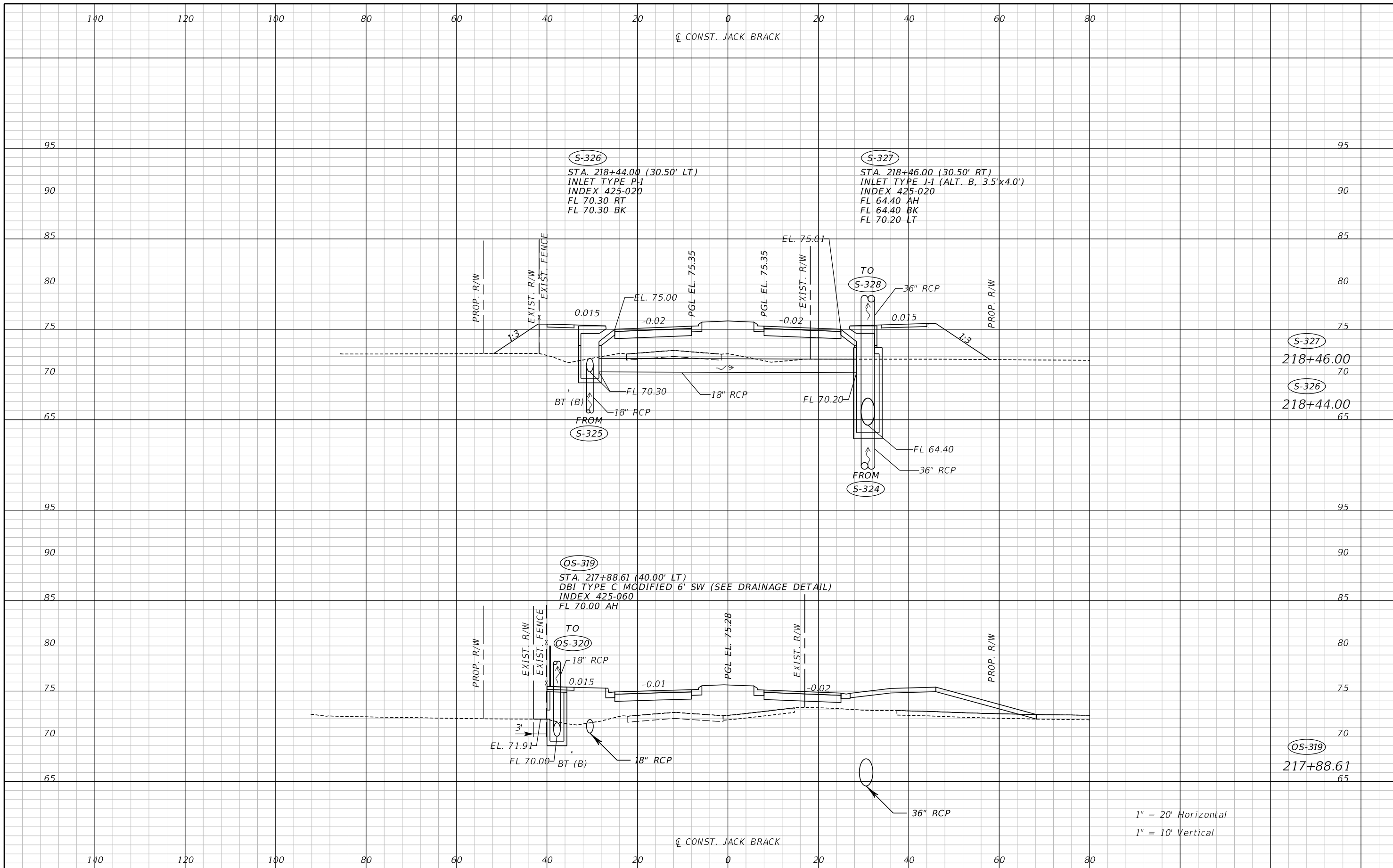
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
166

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

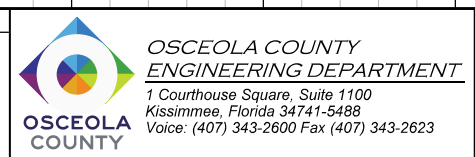


1" = 20' Horizontal
1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

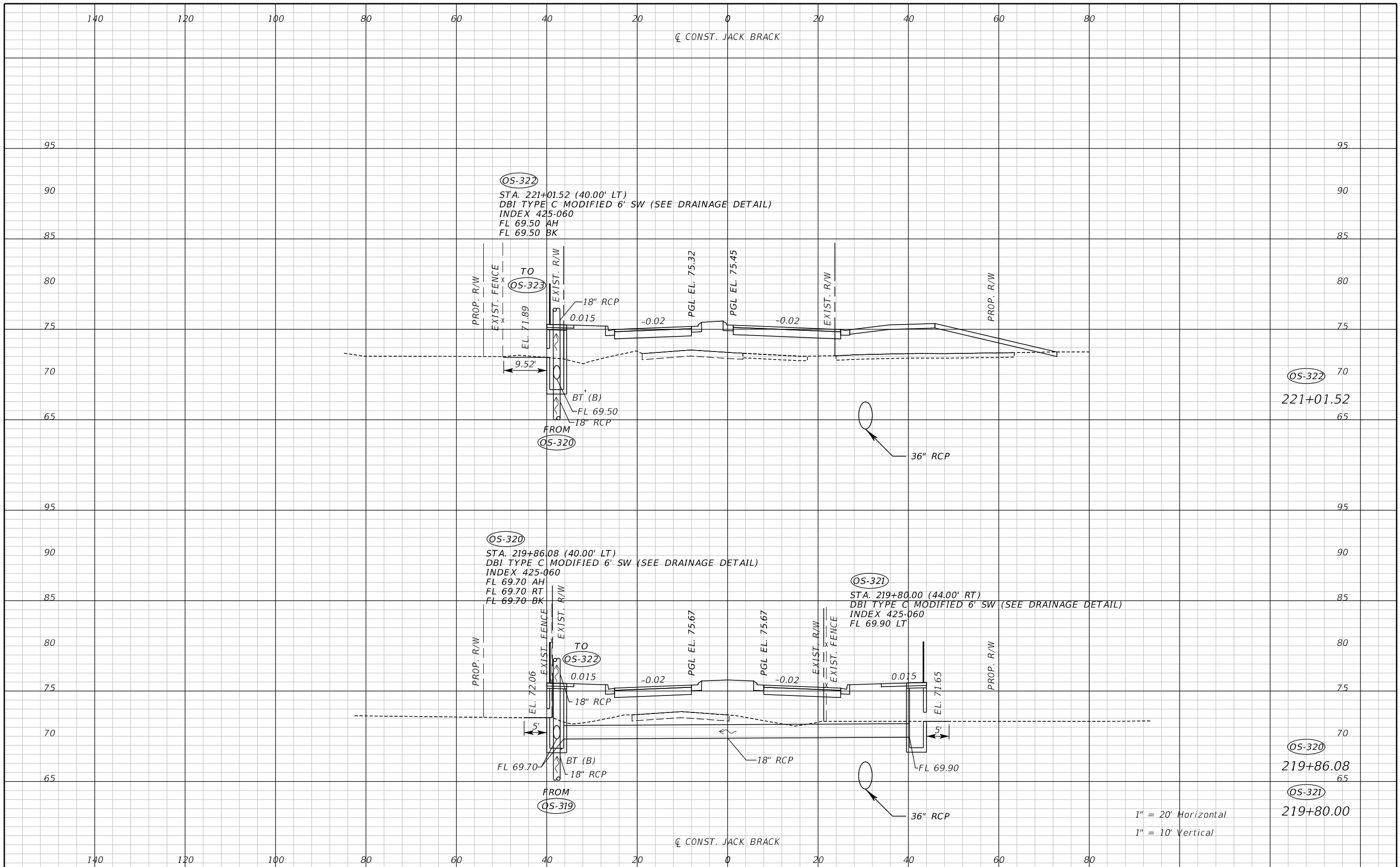
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
167

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

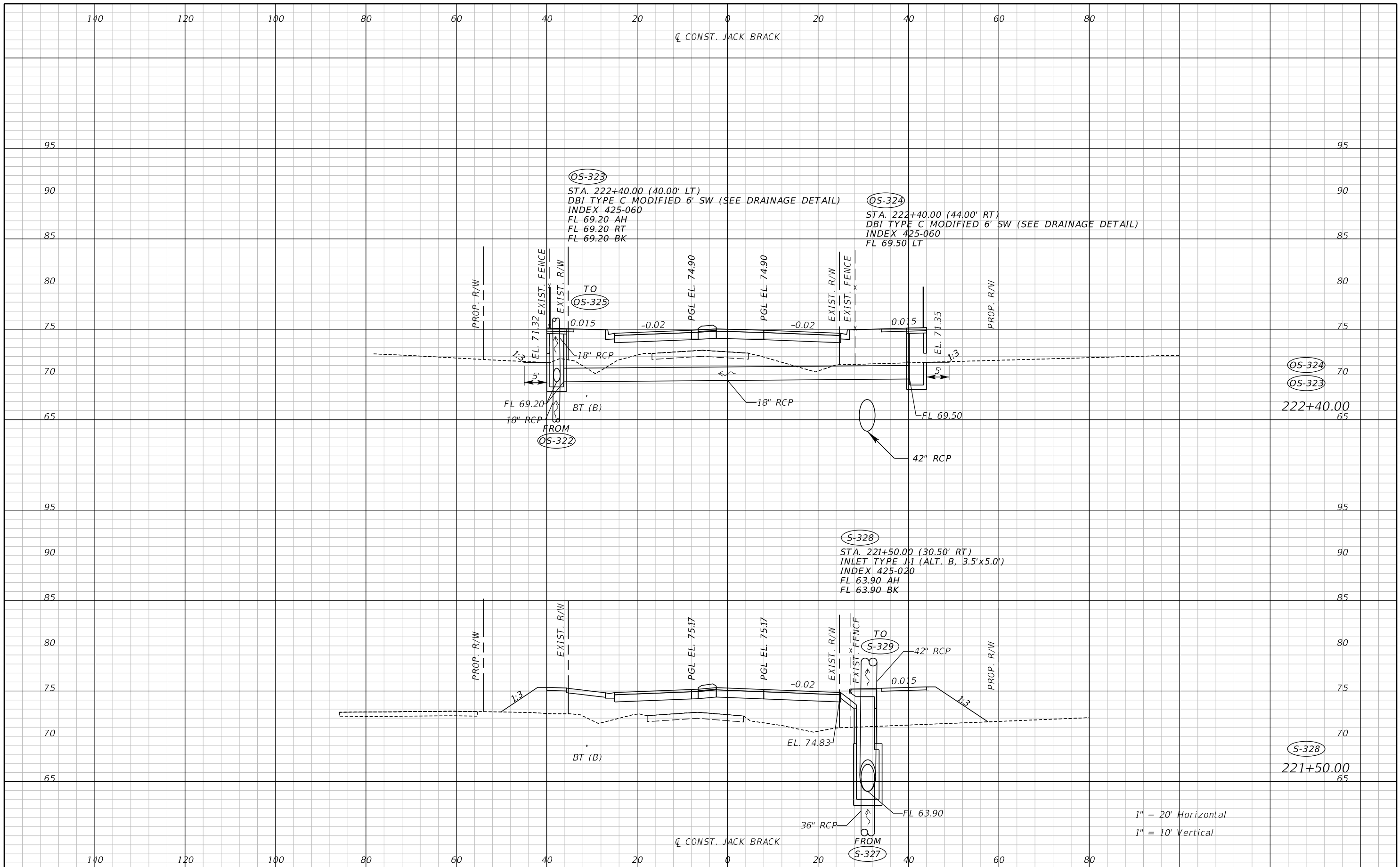


DRAINAGE STRUCTURES

SHEET NO.
168

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

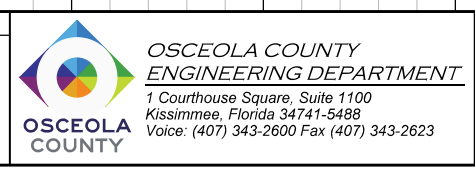
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

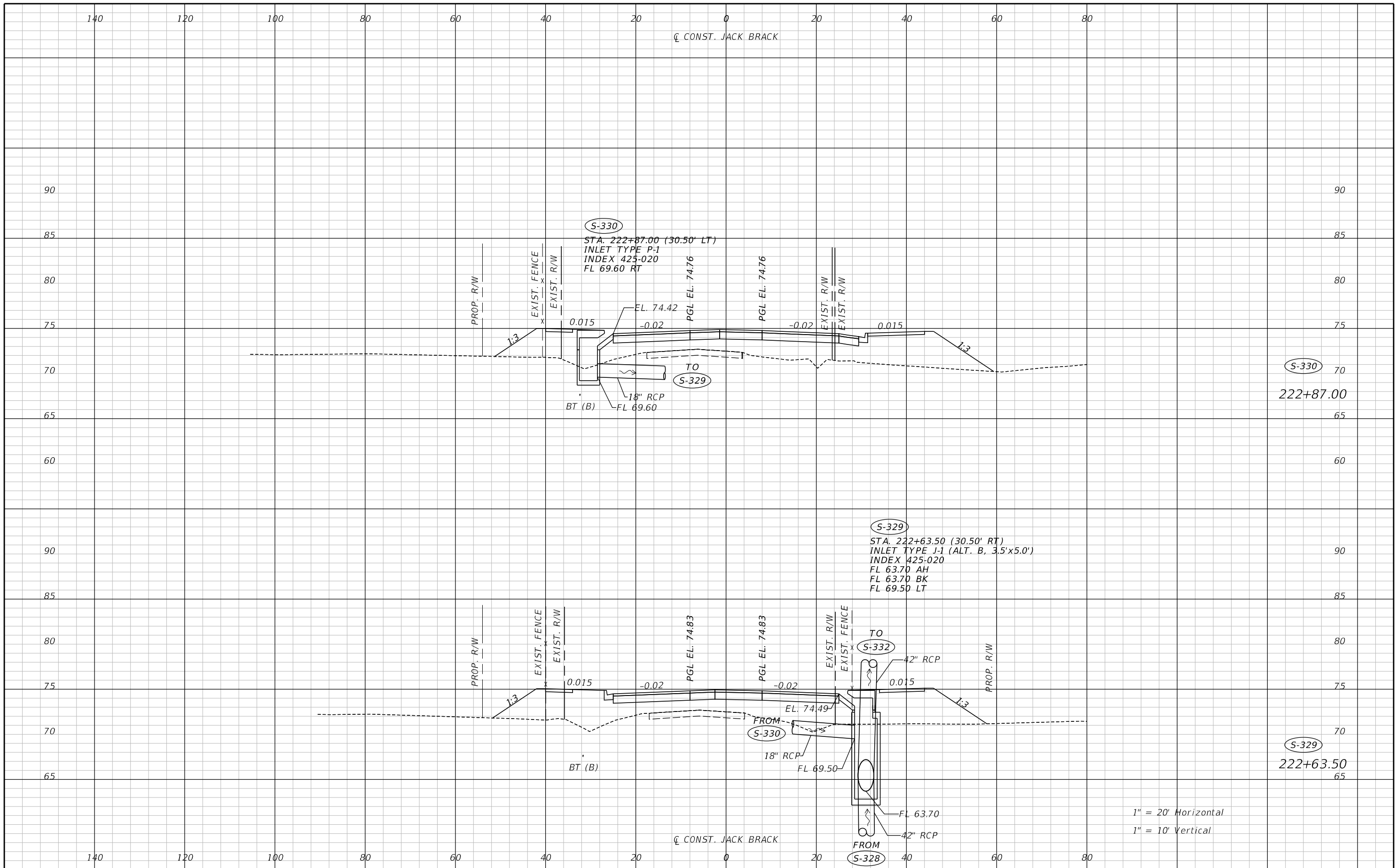
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
169

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REVISIONS		
DATE	BY	DESCRIPTION

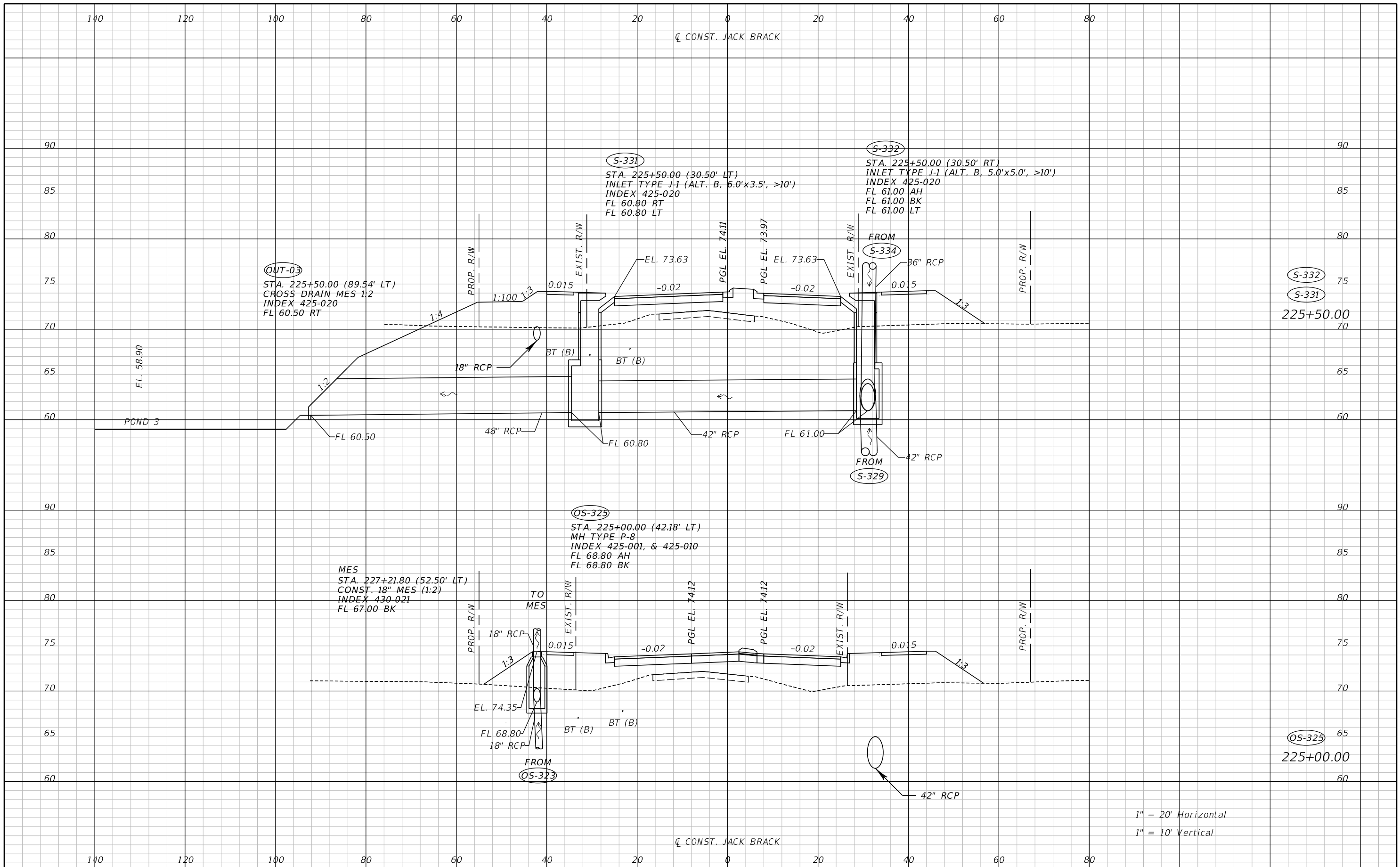
**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
170



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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

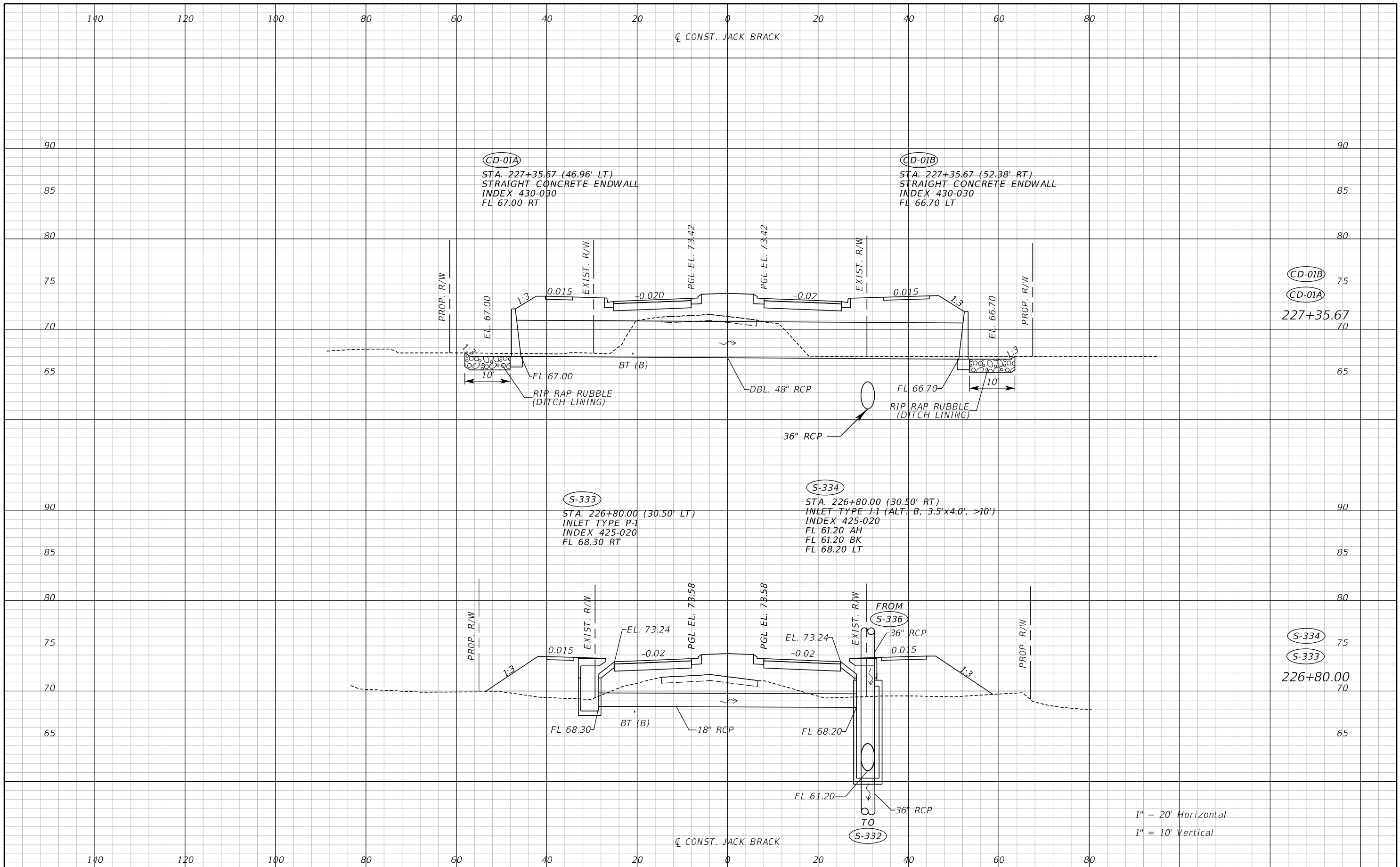
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
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 Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
171

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

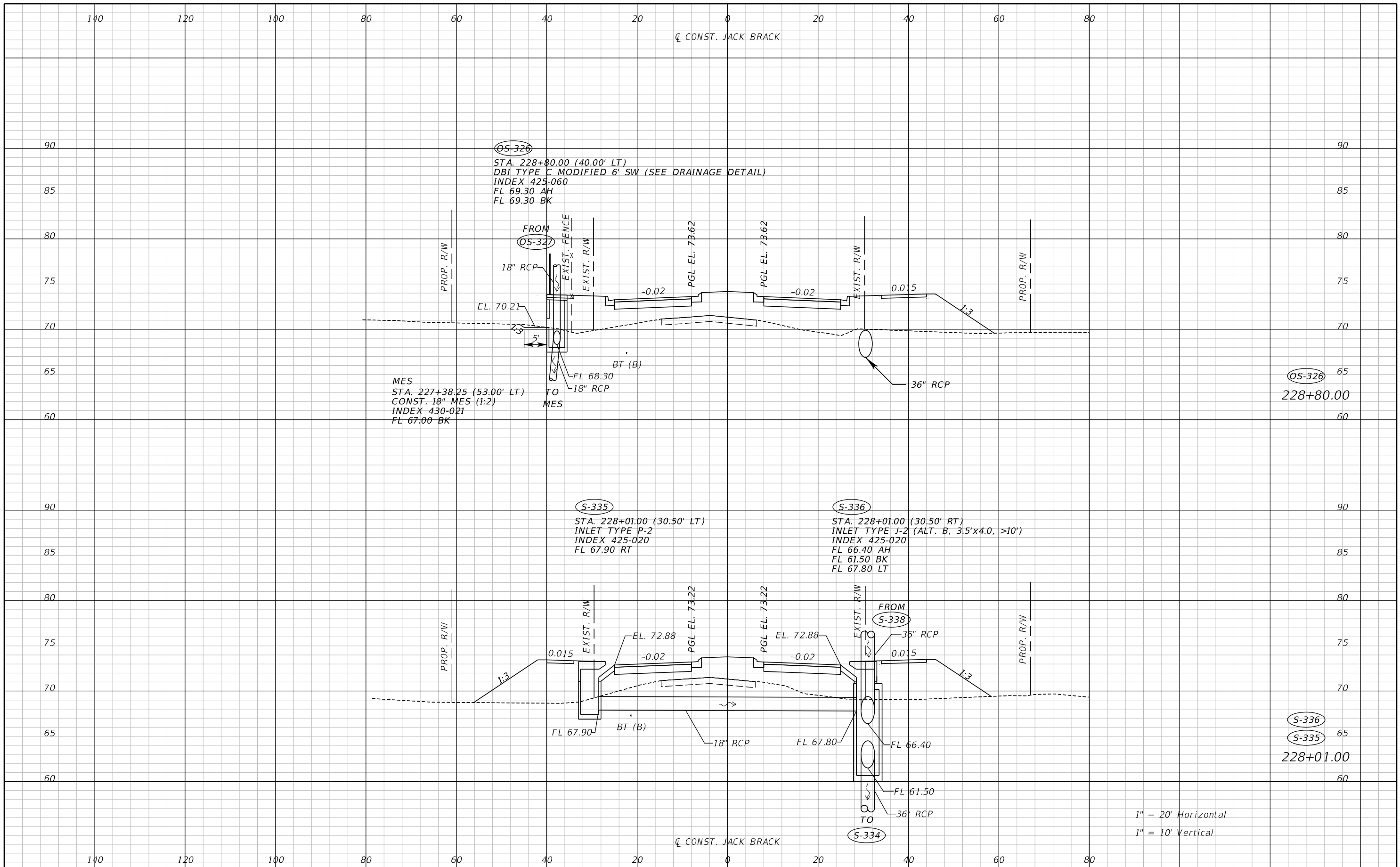
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
172

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

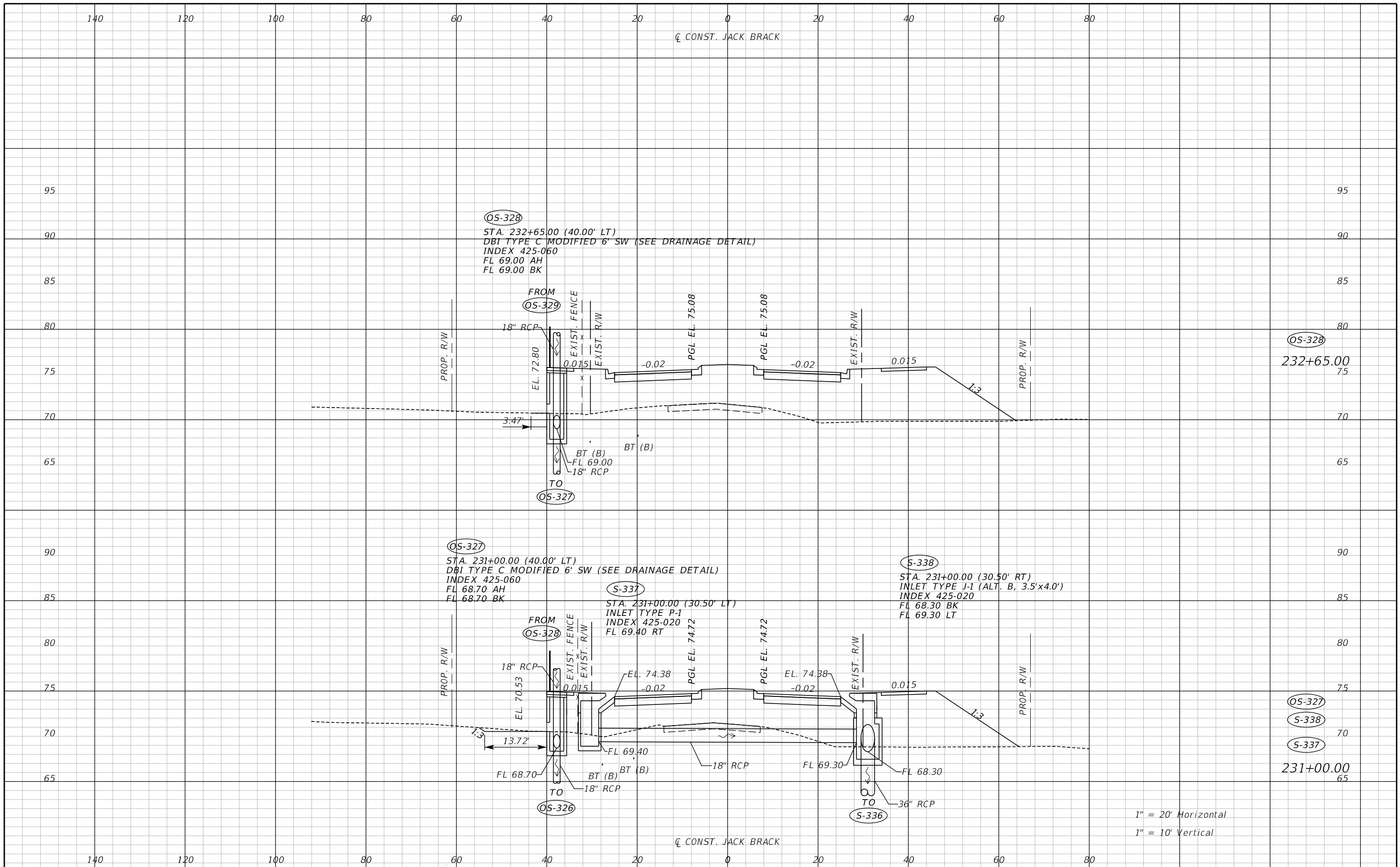
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRAINAGE STRUCTURES

SHEET NO.
173

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

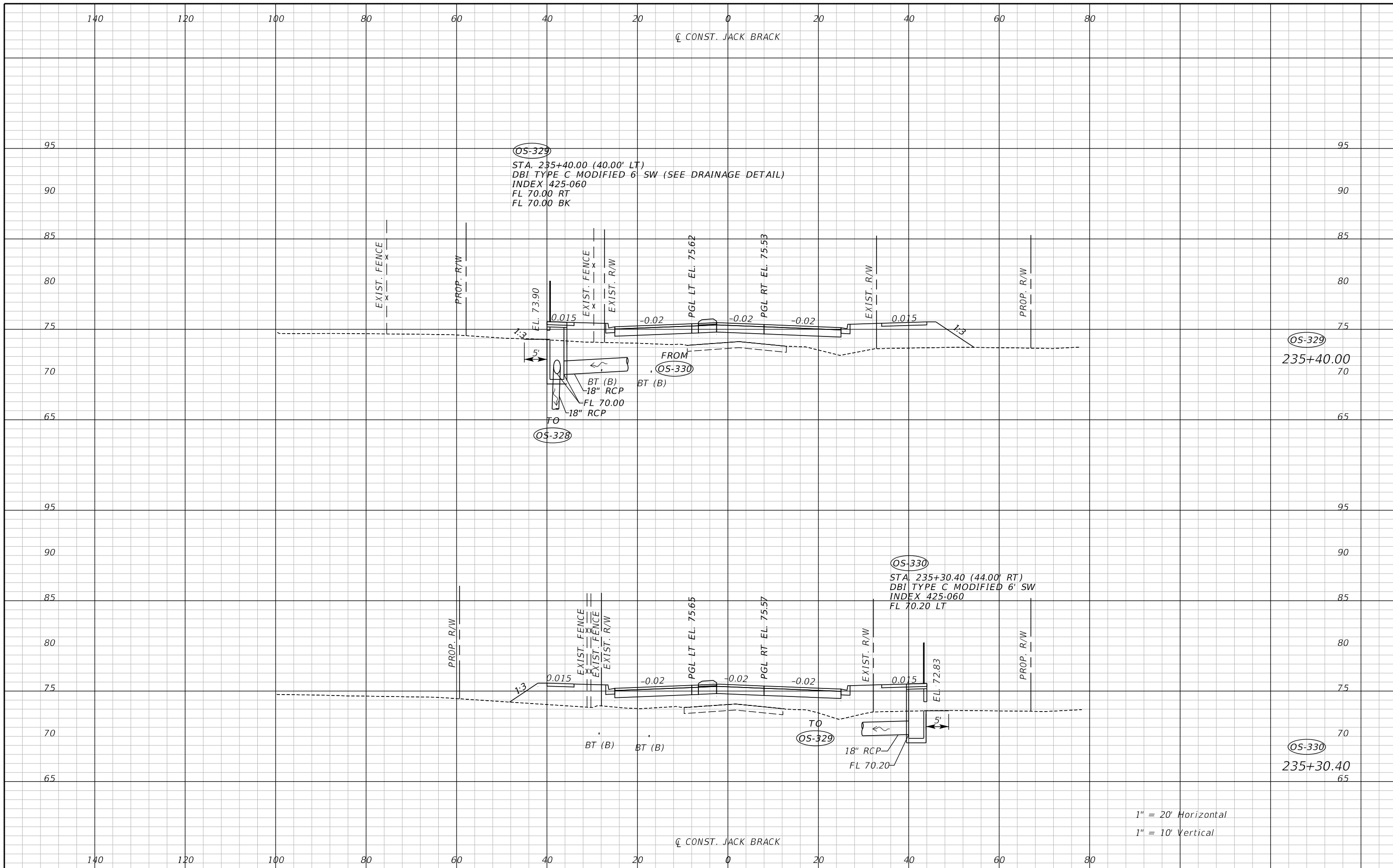
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRAINAGE STRUCUTRES

SHEET NO.
174

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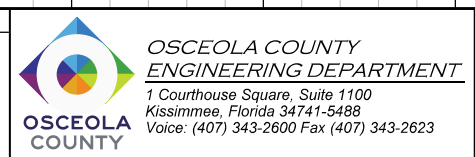


1" = 20' Horizontal
1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

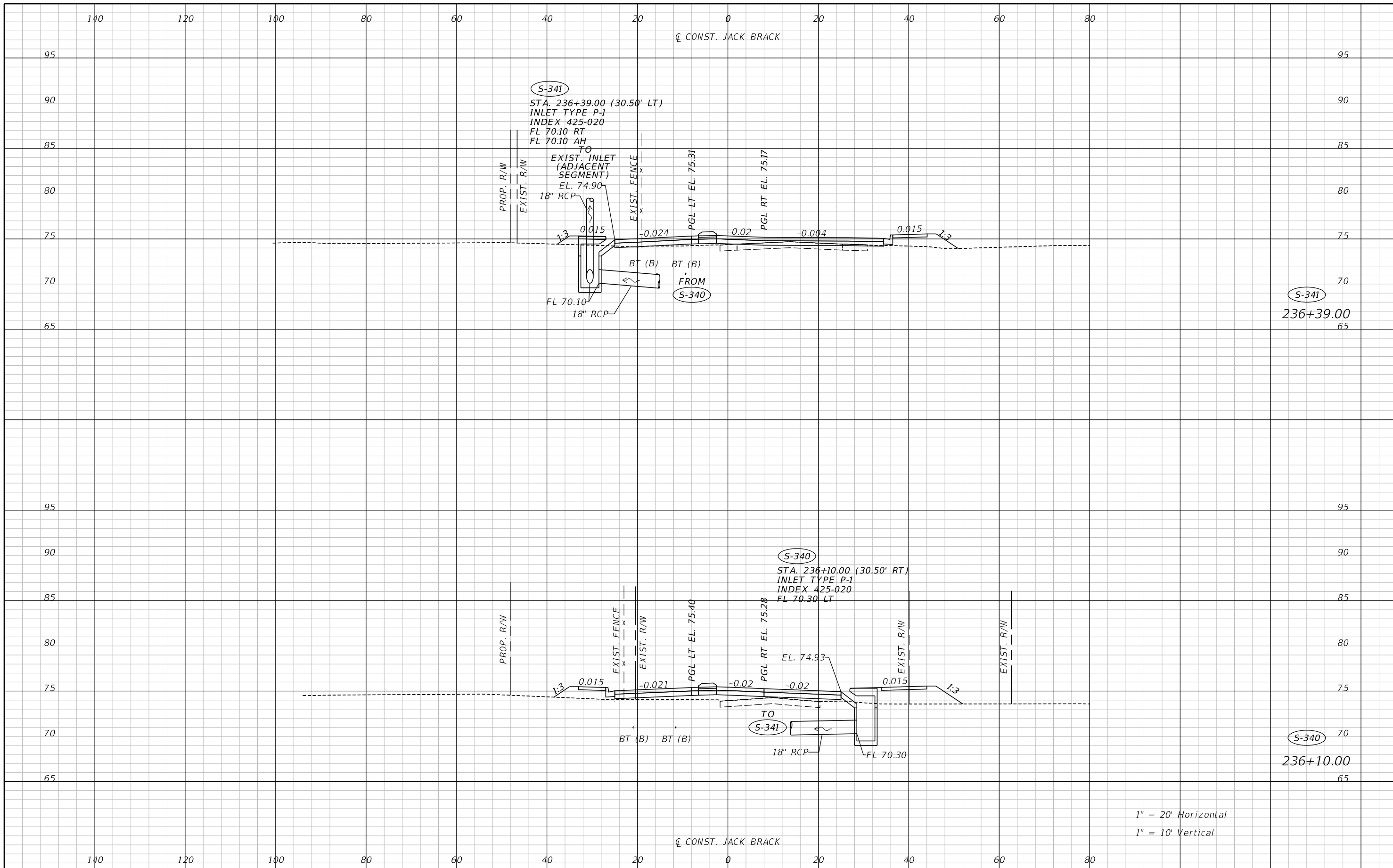
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRAINAGE STRUCUTRES

SHEET NO.
175

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD

Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

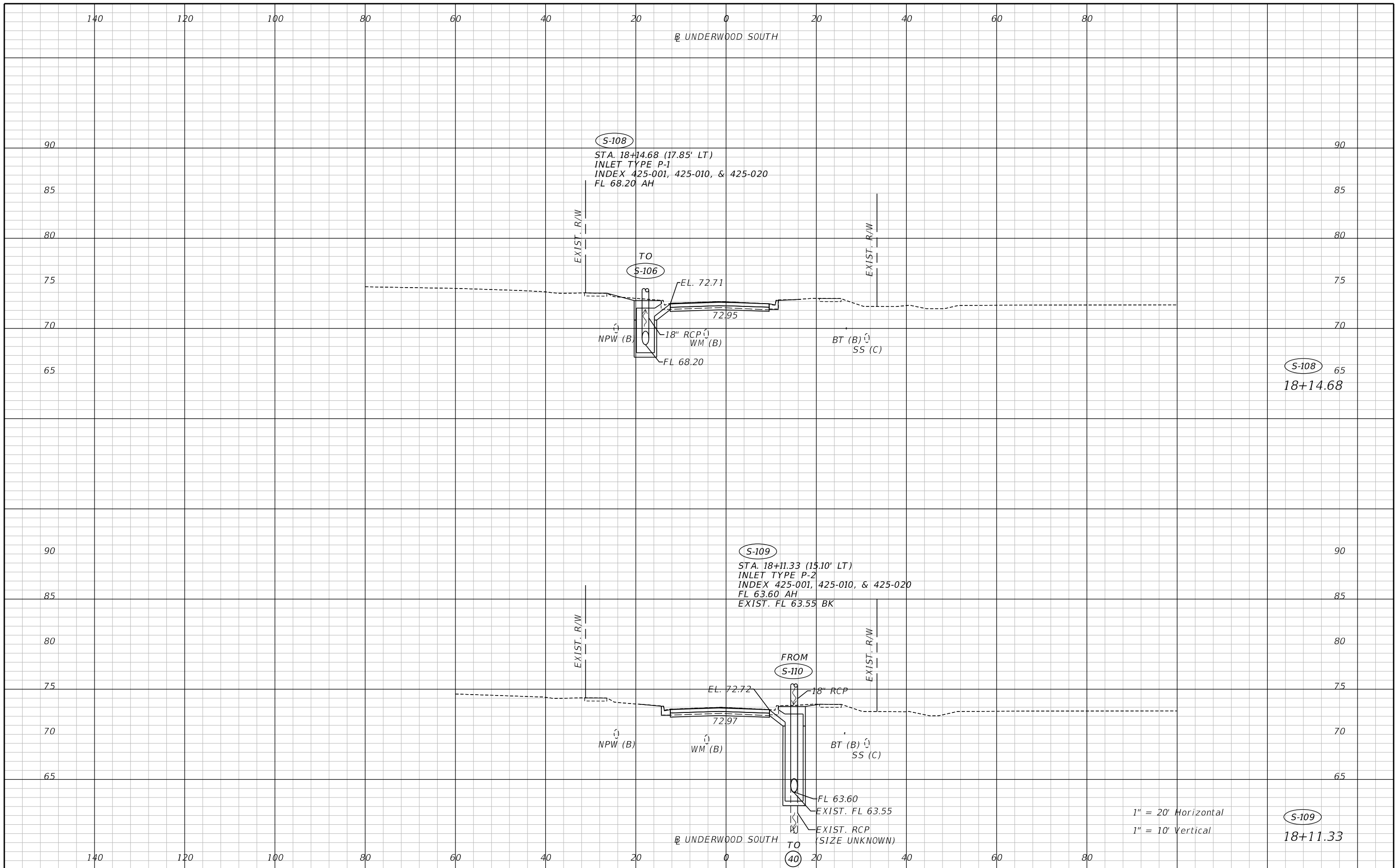


**OSCEOLA COUNTY
 ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

DRAINAGE STRUCTURES

SHEET NO.

176



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

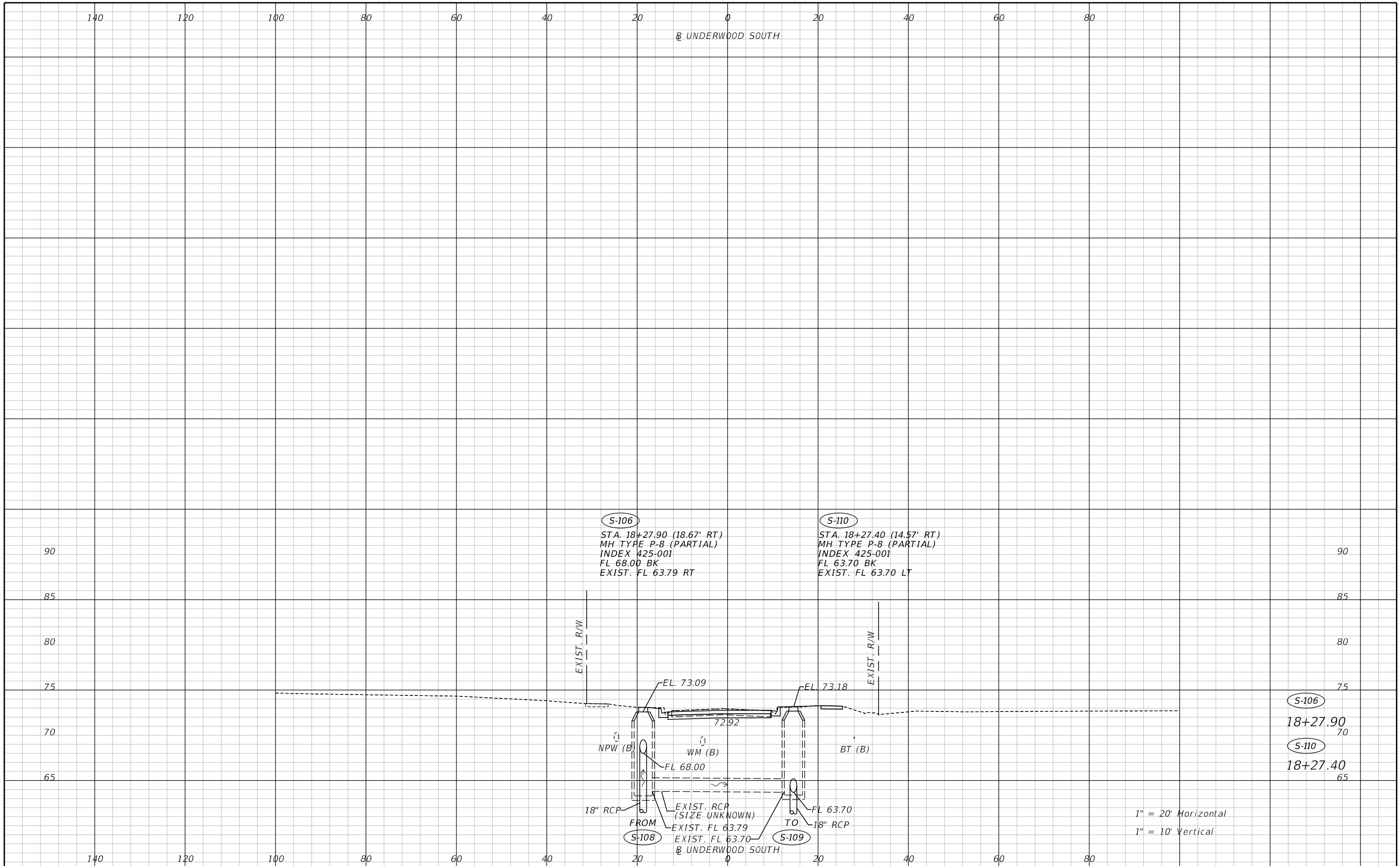
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**DRAINAGE STRUCTURES
UNDERWOOD AVENUE**

SHEET NO.
177

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

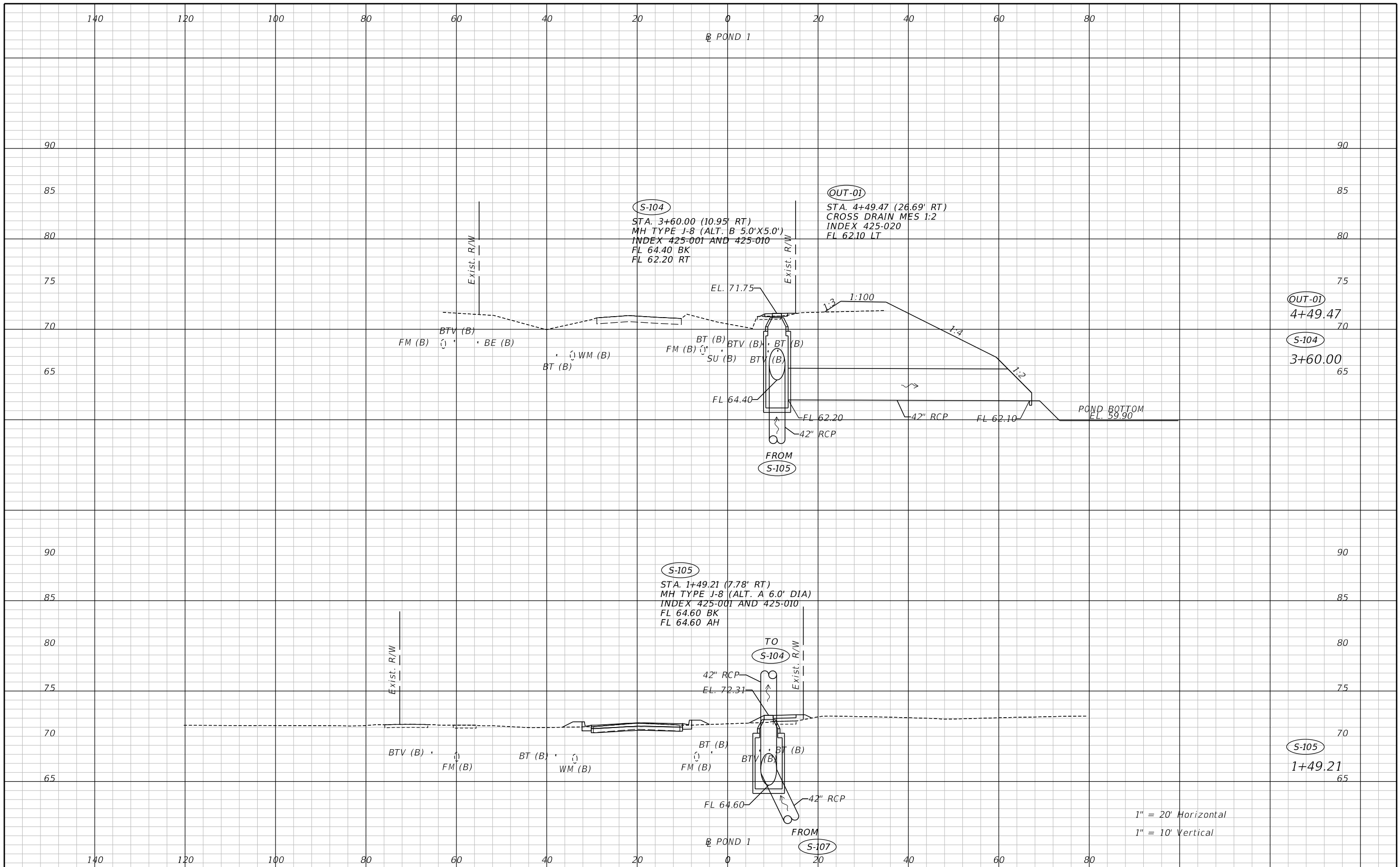
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**DRAINAGE STRUCTURES
UNDERWOOD AVENUE**

SHEET
NO.
178

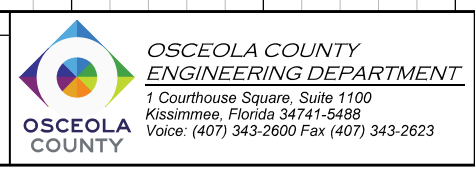
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

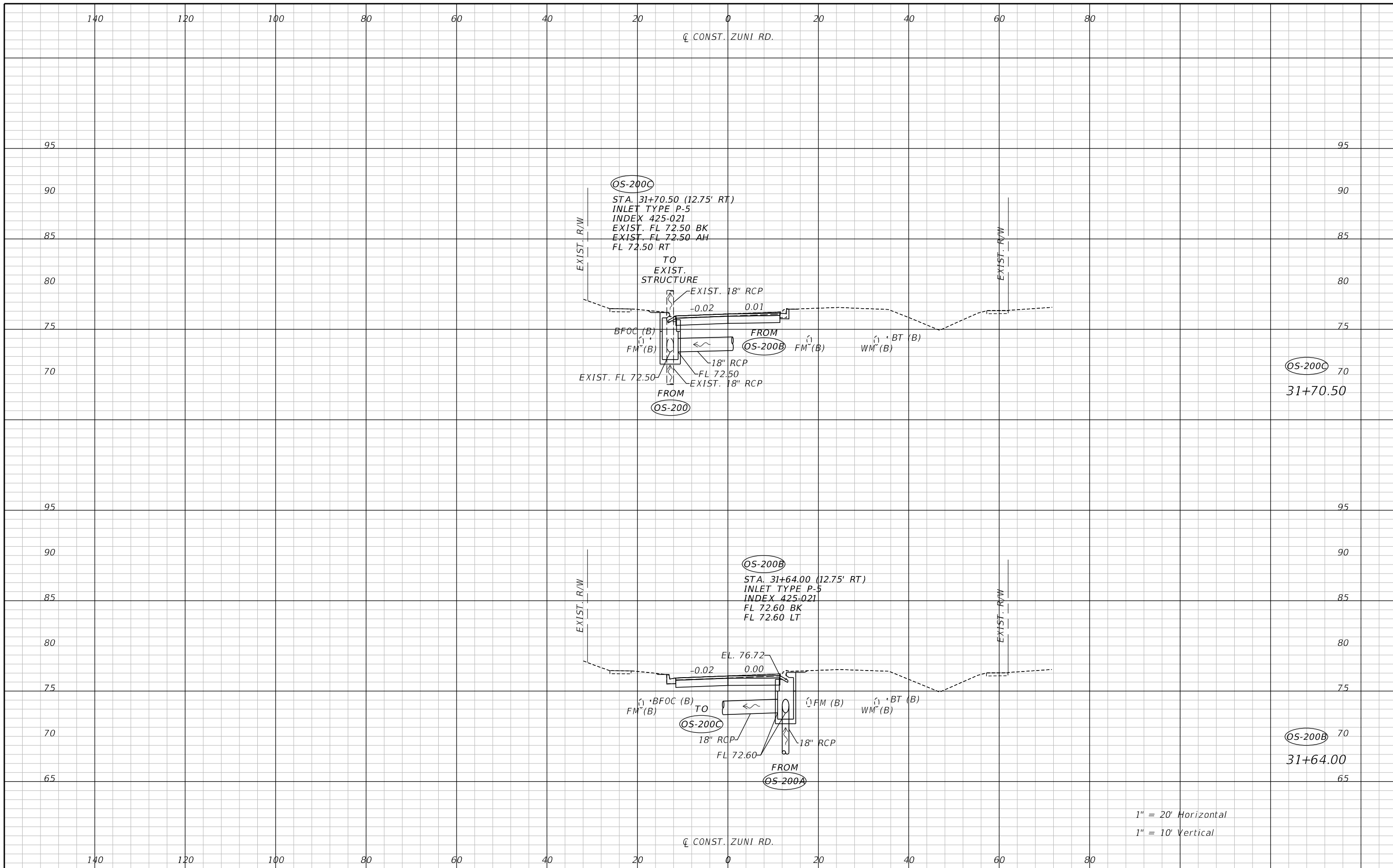
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



**DRAINAGE STRUCTURES
POND 1**

SHEET NO.
179

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

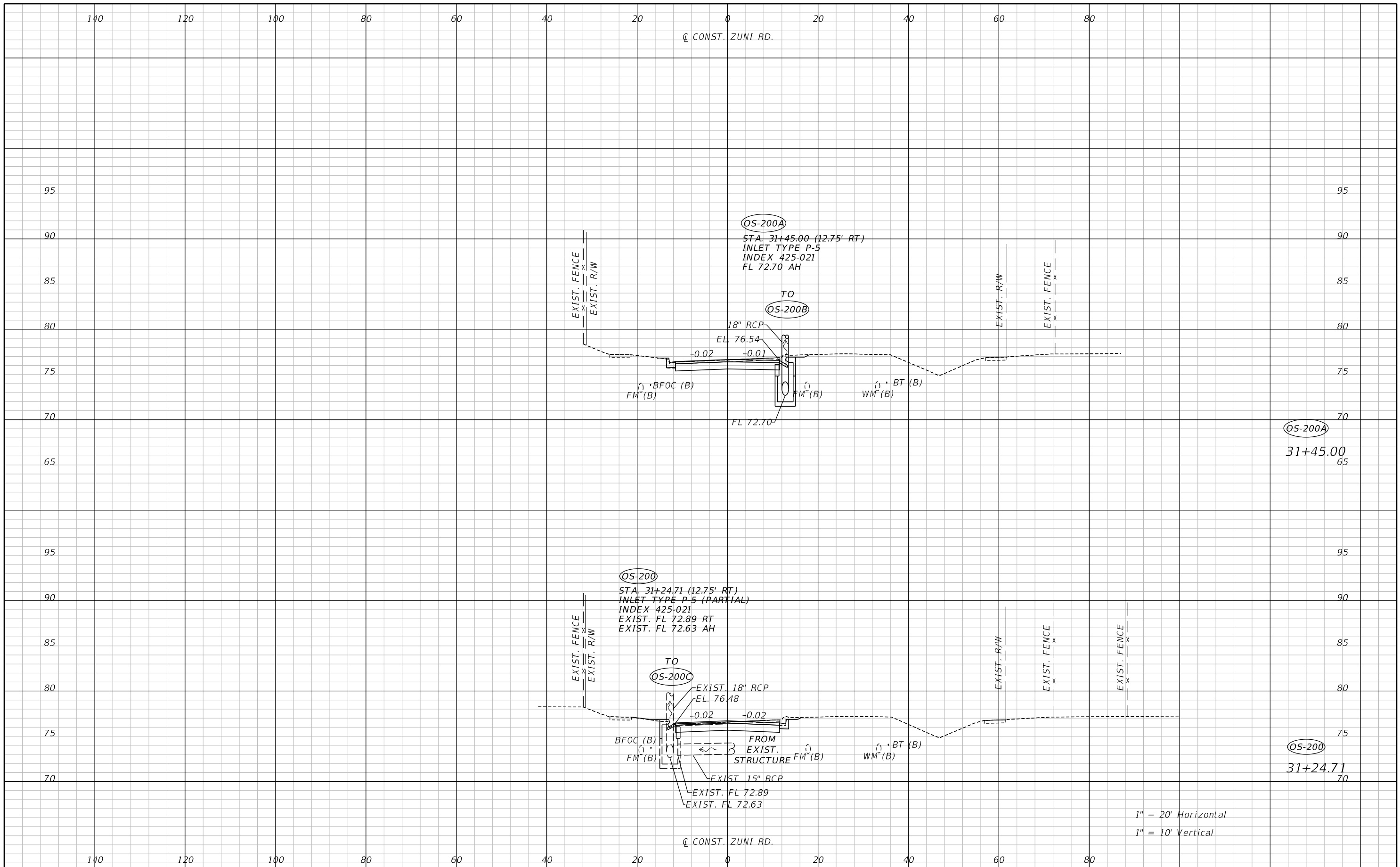
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
 ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**DRAINAGE STRUCTURES
 ZUNI ROAD**

SHEET NO.
 180

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

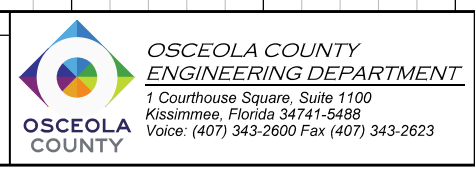


1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

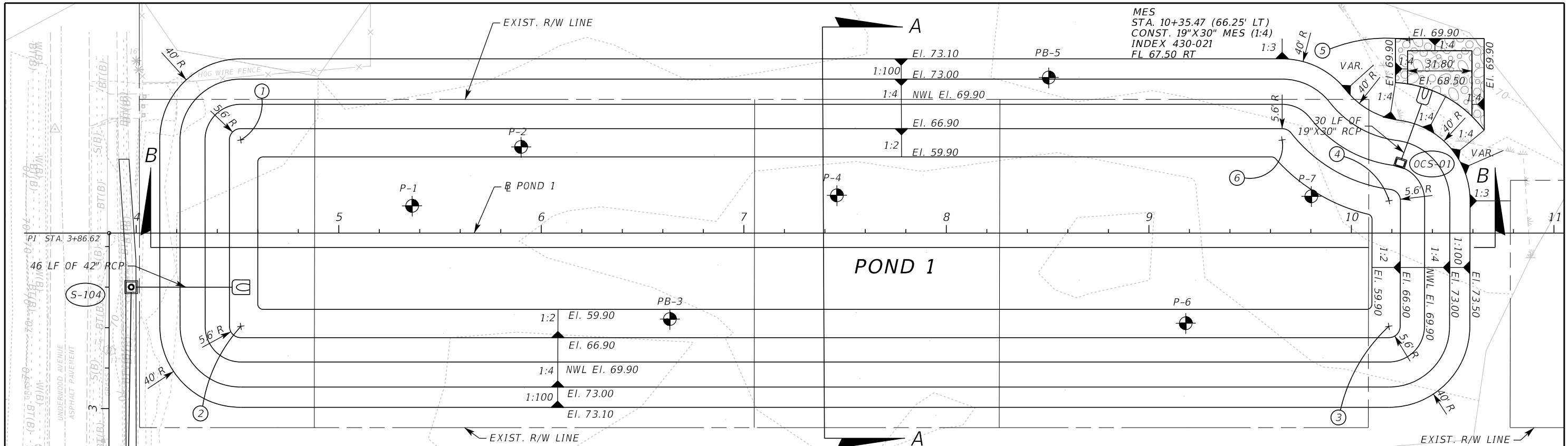
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



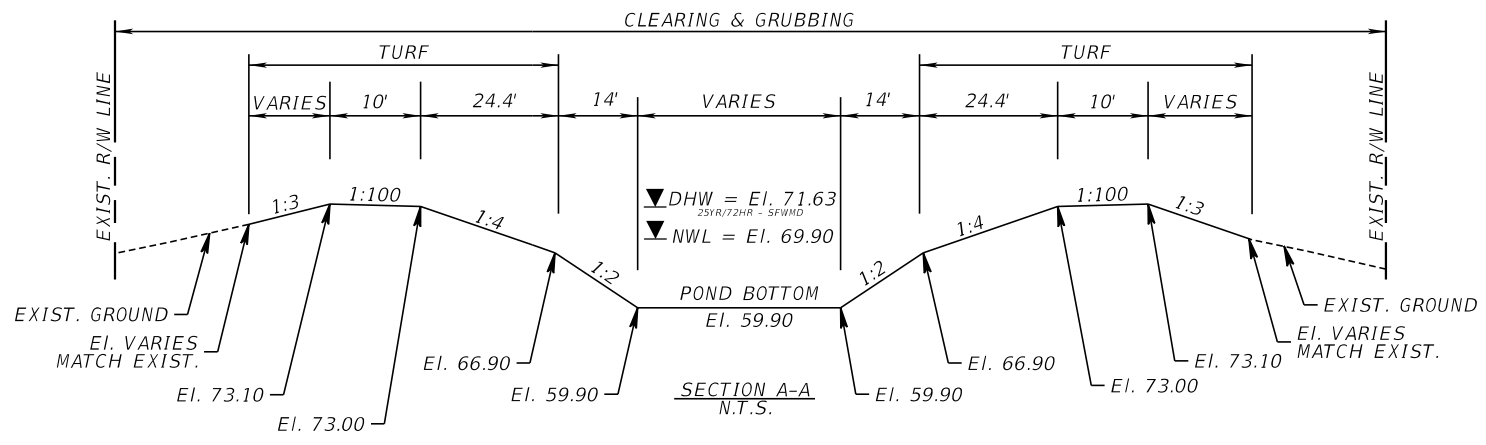
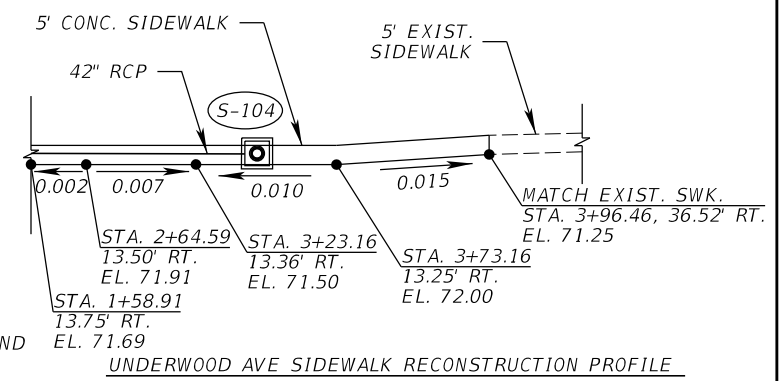
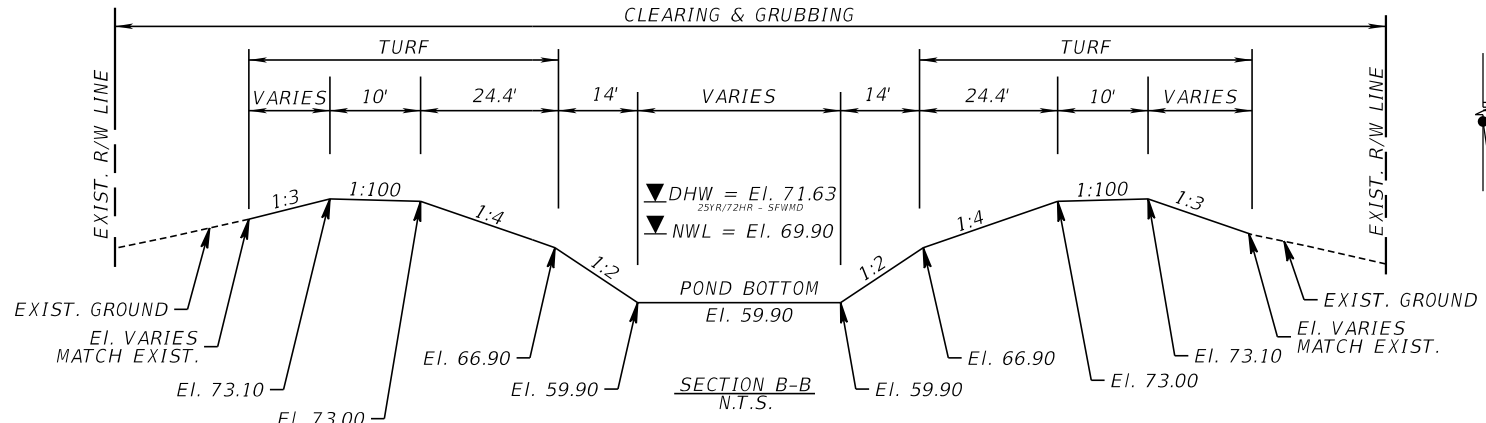
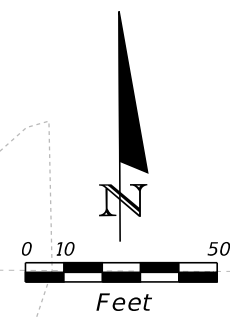
**DRAINAGE STRUCTURES
 ZUNI ROAD**

SHEET NO.
 181

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MES
 STA. 10+35.47 (66.25' LT)
 CONST. 19"X30" MES (1:4)
 INDEX 430-021
 FL 67.50 RT



#	STATION	OFFSET
1	4+51.58	46.00' LT
2	4+51.65	46.00' RT
3	10+18.46	46.00' RT
4	10+18.59	16.00' LT
5	10+28.72	95.36' LT
6	9+65.76	46.00' LT

BH NAME	STATION	OFFSET
P-1	5+36.25	13.46' LT
P-2	5+90.02	42.55' LT
P-3	6+63.48	42.41' RT
P-4	7+45.95	18.66' LT
P-5	8+50.56	76.81' LT
P-6	9+18.21	44.46' RT
P-7	9+80.23	18.20' LT

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

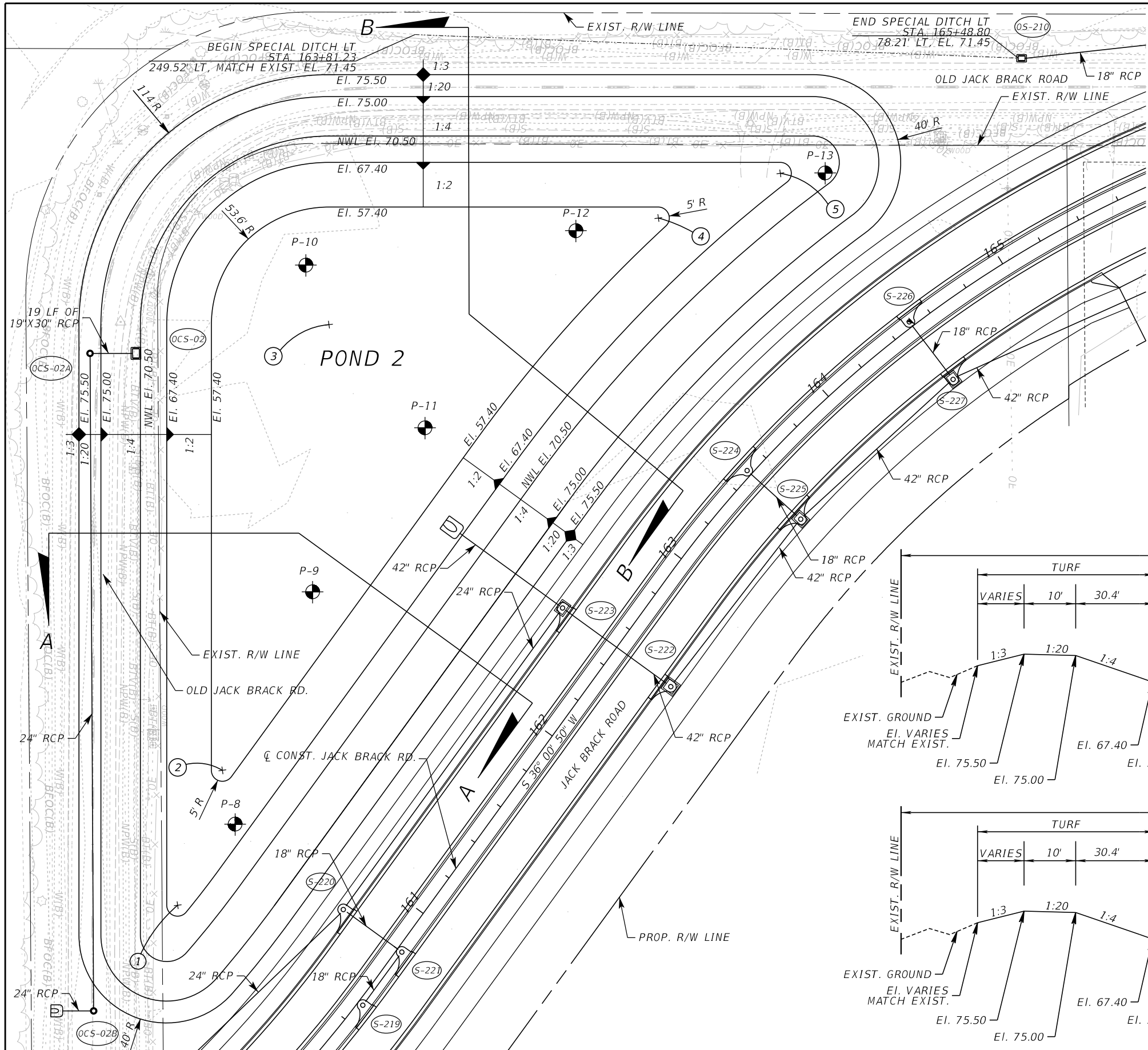
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



POND 1 DETAIL

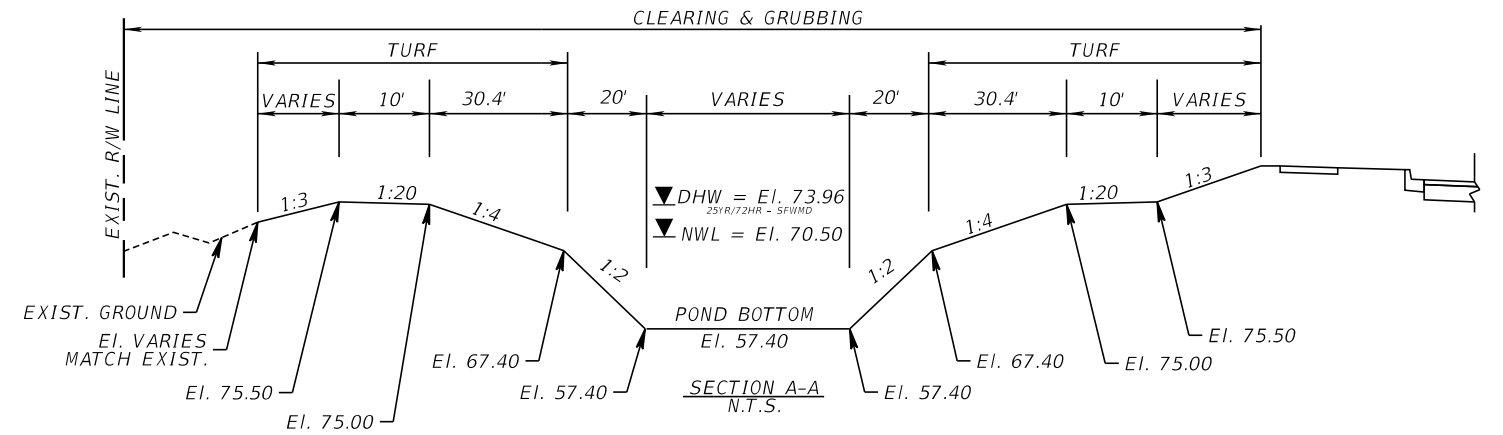
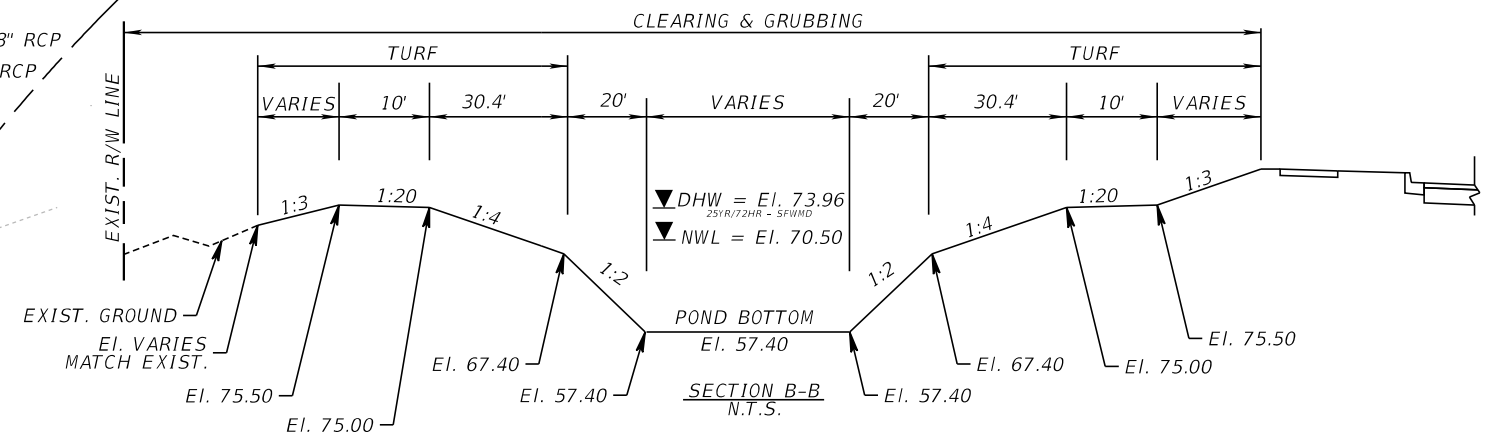
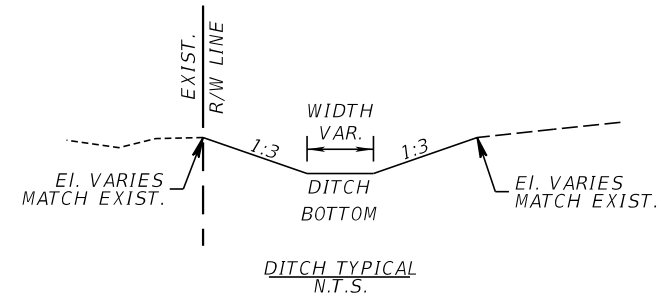
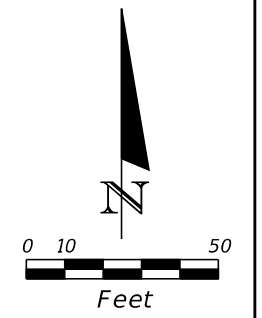
SHEET NO.
182

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POND 2 REFERENCE POINTS		
#	STATION	OFFSET
1	160+31.94	92.00' LT
2	160+98.93	112.40' LT
3	162+91.67	192.59' LT
4	163+98.23	112.40' LT
5	164+45.09	92.00' LT

SOIL BORINGS		
BH NAME	STATION	OFFSET
P-8	160+82.50	93.30' LT
P-9	161+88.97	127.01' LT
P-10	163+02.91	217.26' LT
P-11	162+79.59	129.55' LT
P-12	163+72.93	134.41' LT
P-13	164+59.26	79.84' LT



REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

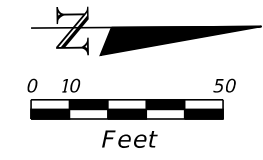
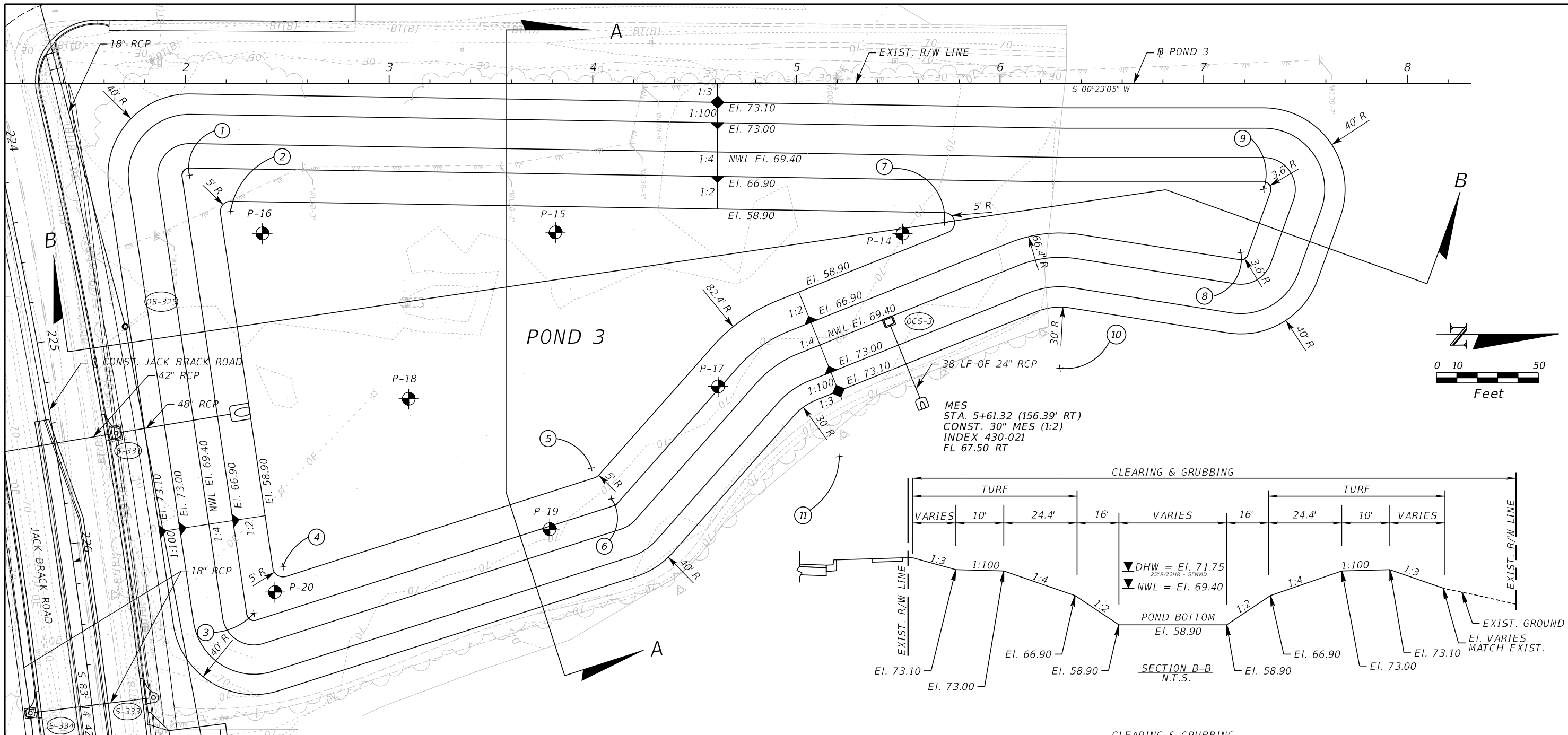
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



POND 2 DETAIL

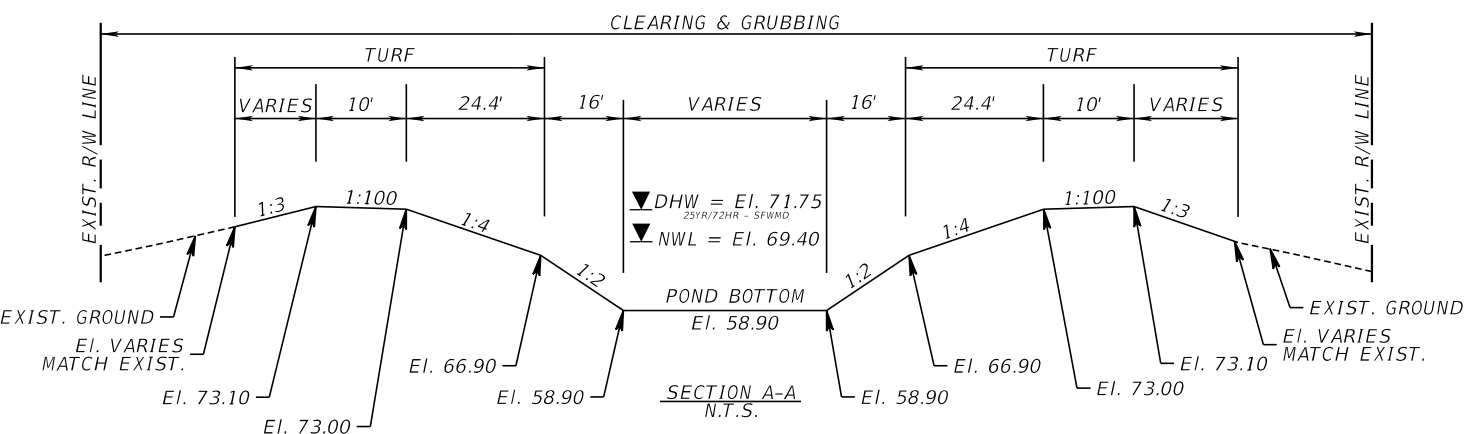
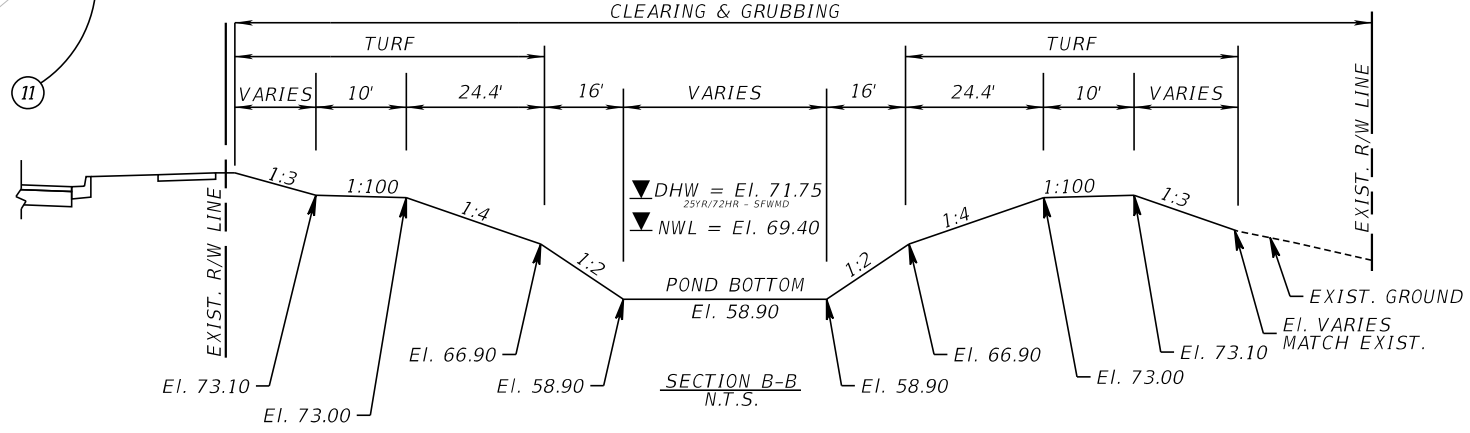
SHEET NO.
183

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POND 3 REFERENCE POINTS		
#	STATION	OFFSET
1	2+01.90	45.18' RT
2	2+22.11	62.91' RT
3	2+33.64	260.25' RT
4	2+47.86	237.44' RT
5	3+99.35	188.97' RT
6	4+09.21	204.08' RT
7	5+72.64	68.47' RT
8	7+18.25	83.08' RT
9	7+29.44	52.00' RT
10	6+29.37	139.89' RT
11	5+21.08	183.30' RT

SOIL BORINGS		
BH NAME	STATION	OFFSET
P-16	2+37.76	73.71' RT
P-20	2+43.90	249.86' RT
P-18	3+09.59	154.90' RT
P-19	3+78.86	218.98' RT
P-15	3+81.71	73.15' RT
P-17	4+61.56	148.86' RT
P-14	5+52.12	73.80' RT



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
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Oviedo, Florida 32765

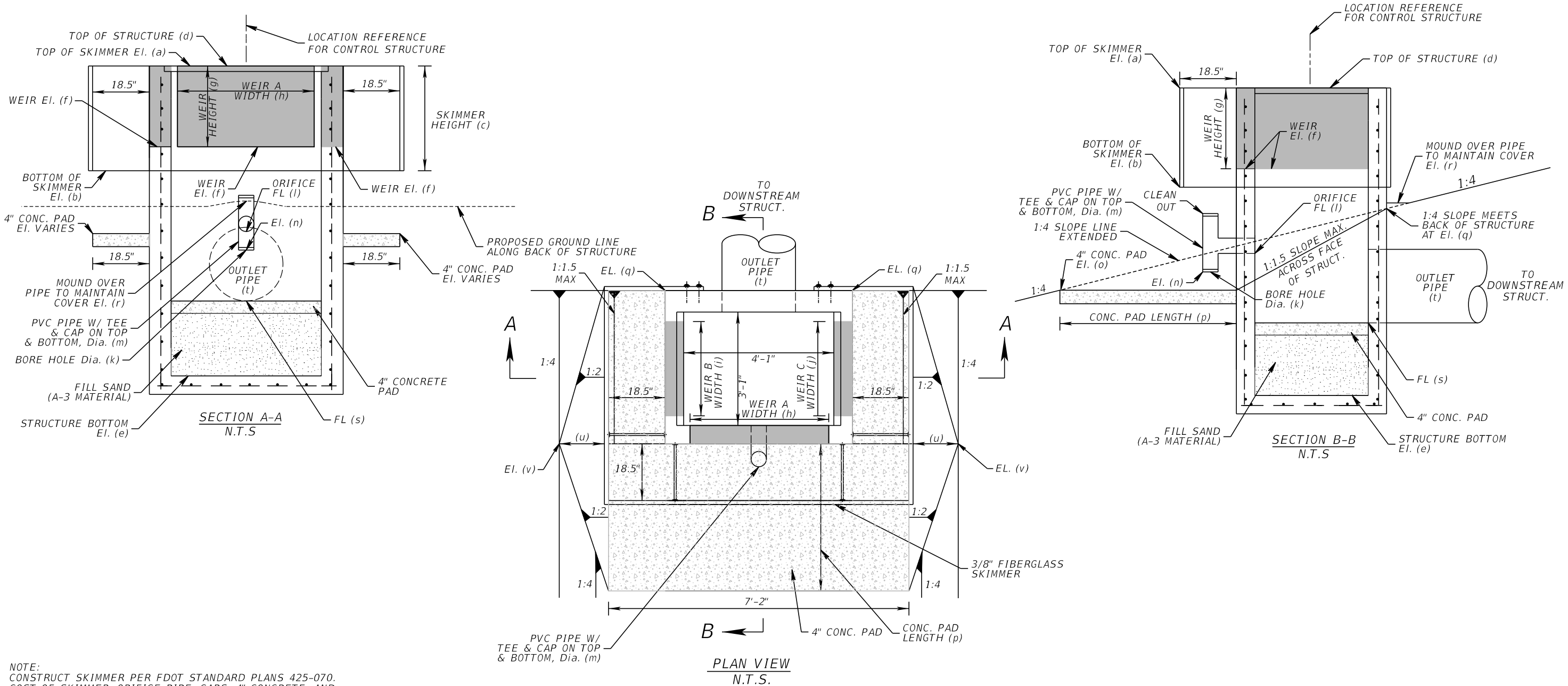


POND 3 DETAIL

SHEET NO.
184

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

STRUCTURE NO.	STATION	OFFSET	STRUCT. TYPE	TOP OF SKIMMER El. (a)	BOTTOM OF SKIMMER El. (b)	SKIMMER HEIGHT (c)	TOP OF STRUCT. El. (d)	BOTTOM OF STRUCT. El. (e)	WEIR El. (f)	WEIR HEIGHT (g)	WEIR A WIDTH (h)	WEIR B WIDTH (i)	WEIR C WIDTH (j)	BORE HOLE Dia. (k)	ORIFICE FL (l)	PVC PIPE Dia. (m)	TEE-CAP El. (n)	CONC. PAD El. (o)	CONC. PAD LENGTH (p)	GROUND El. AT BACK OF STRUCT. (q)	PIPE MOUND OVER El. (r)	OUTLET PIPE FL (s)	OUTLET PIPE Dia. (t)	(u)	(v)	DOWN STREAM STRUCT. NO.	GRATE
OCS-01	10+24.16	34.67' Lt.	D	72.00	70.67	16"	72.00	64.60	70.90	13.2"	48"	30"	30"	3.50"	69.90	6"	69.40	68.90	4.00'	70.92	71.45	68.60	19"x30"	2.00'	69.90	MES	YES



NOTE:
 CONSTRUCT SKIMMER PER FDOT STANDARD PLANS 425-070.
 COST OF SKIMMER, ORIFICE PIPE, CAPS, 4" CONCRETE, AND
 CLEAN SAND MATERIAL TO BE INCLUDED UNDER THE CONTRACT
 UNIT PRICE OF INLET TYPE D MODIFIED.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
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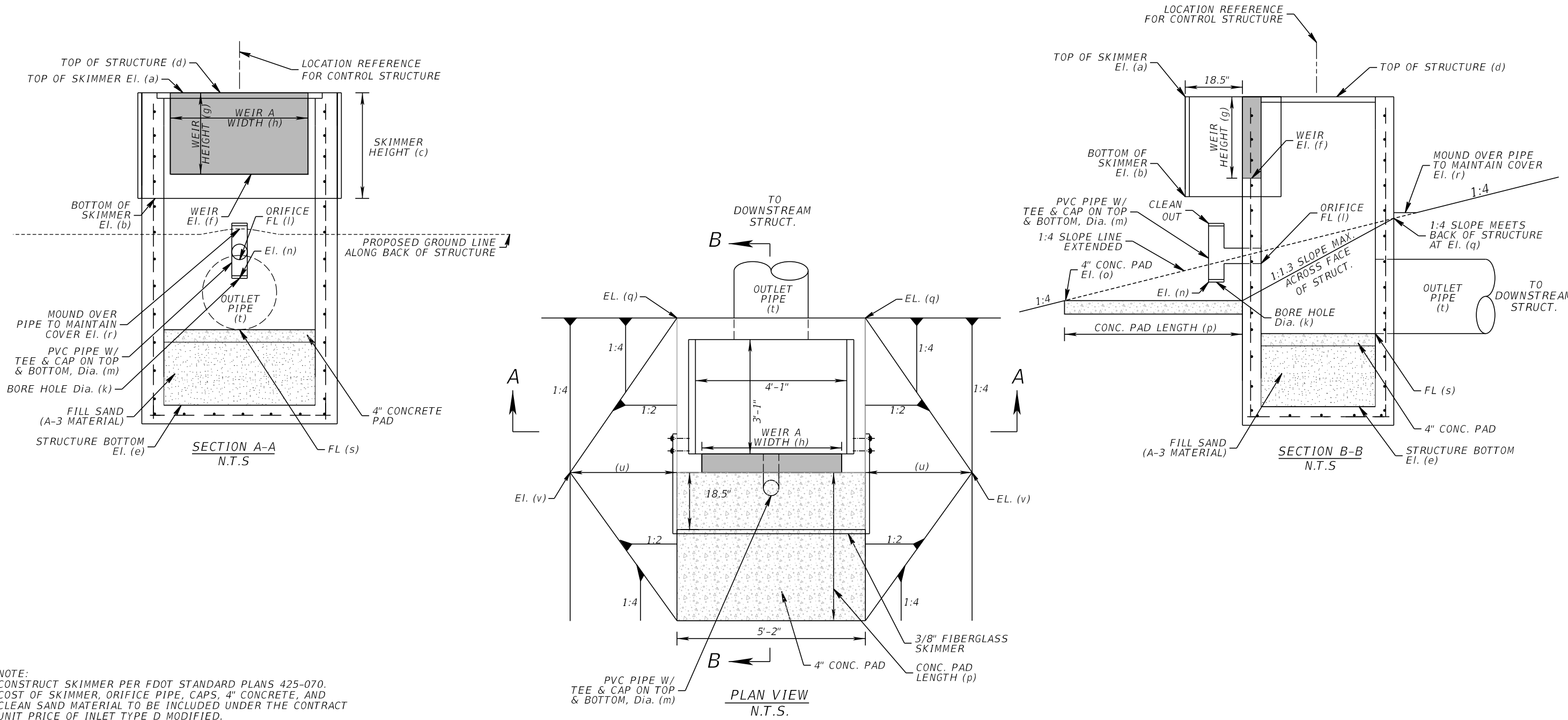

**OSCEOLA COUNTY
 ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

POND 1 OUTFALL DETAIL

SHEET NO.
185

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STRUCTURE NO.	STATION	OFFSET	STRUCT. TYPE	TOP OF SKIMMER El. (a)	BOTTOM OF SKIMMER El. (b)	SKIMMER HEIGHT (c)	TOP OF STRUCT. El. (d)	BOTTOM OF STRUCT. El. (e)	WEIR El. (f)	WEIR HEIGHT (g)	WEIR WIDTH (h)	WEIR B WIDTH (i)	WEIR C WIDTH (j)	BORE HOLE Dia. (k)	ORIFICE FL (l)	PVC PIPE Dia. (m)	TEE-CAP El. (n)	CONC. PAD El. (o)	CONC. PAD LENGTH (p)	GROUND EL. AT BACK OF STRUCT. (q)	PIPE MOUND OVER EL. (r)	OUTLET PIPE FL (s)	OUTLET PIPE Dia. (t)	(u)	(v)	DOWN STREAM STRUCT. NO.	GRATE
OCS-02	162+29.55	256.10' Lt.	D	74.00	72.00	24"	74.00	66.50	72.15	22.2"	30"	N/A	N/A	4.00"	70.50	6"	70.00	69.50	4.00'	71.52	73.35	70.50	19"x30"	2.00'	70.50	OSC-02A	YES
OCS-03	5+45.43	117.13' Rt.	D	72.00	70.50	18"	72.00	63.60	70.60	16.8"	48"	N/A	N/A	3.50"	69.40	6"	68.90	68.40	4.00'	70.42	70.85	67.60	24"	2.00'	69.40	MES	YES



NOTE:
 CONSTRUCT SKIMMER PER FDOT STANDARD PLANS 425-070.
 COST OF SKIMMER, ORIFICE PIPE, CAPS, 4" CONCRETE, AND
 CLEAN SAND MATERIAL TO BE INCLUDED UNDER THE CONTRACT
 UNIT PRICE OF INLET TYPE D MODIFIED.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

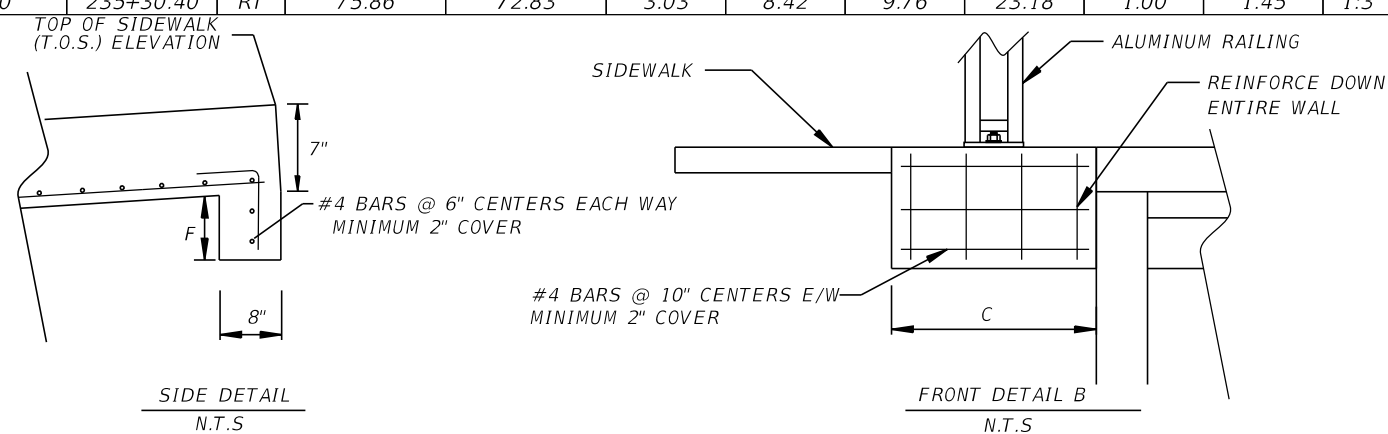
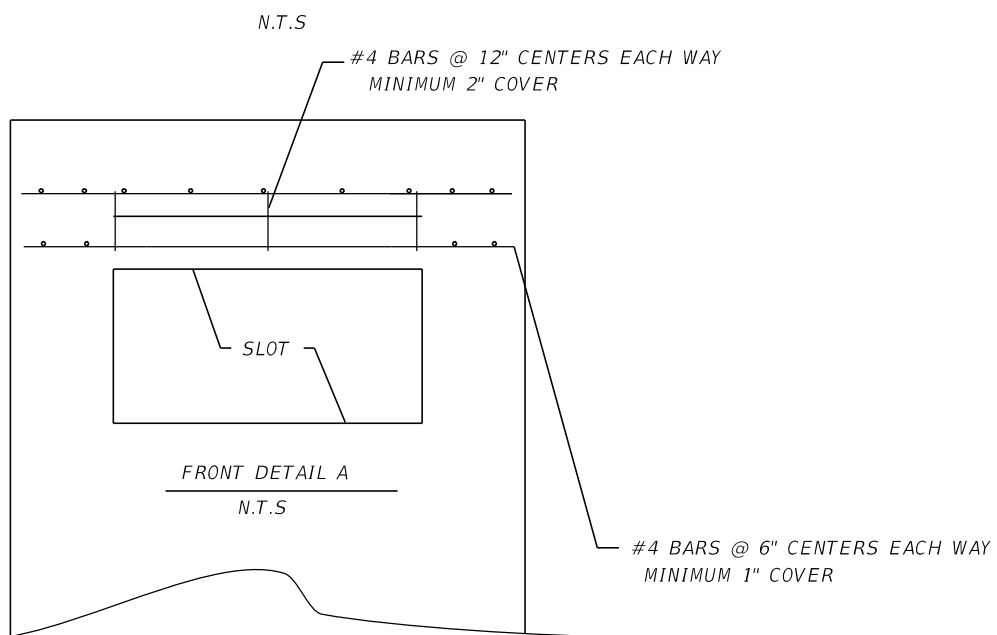
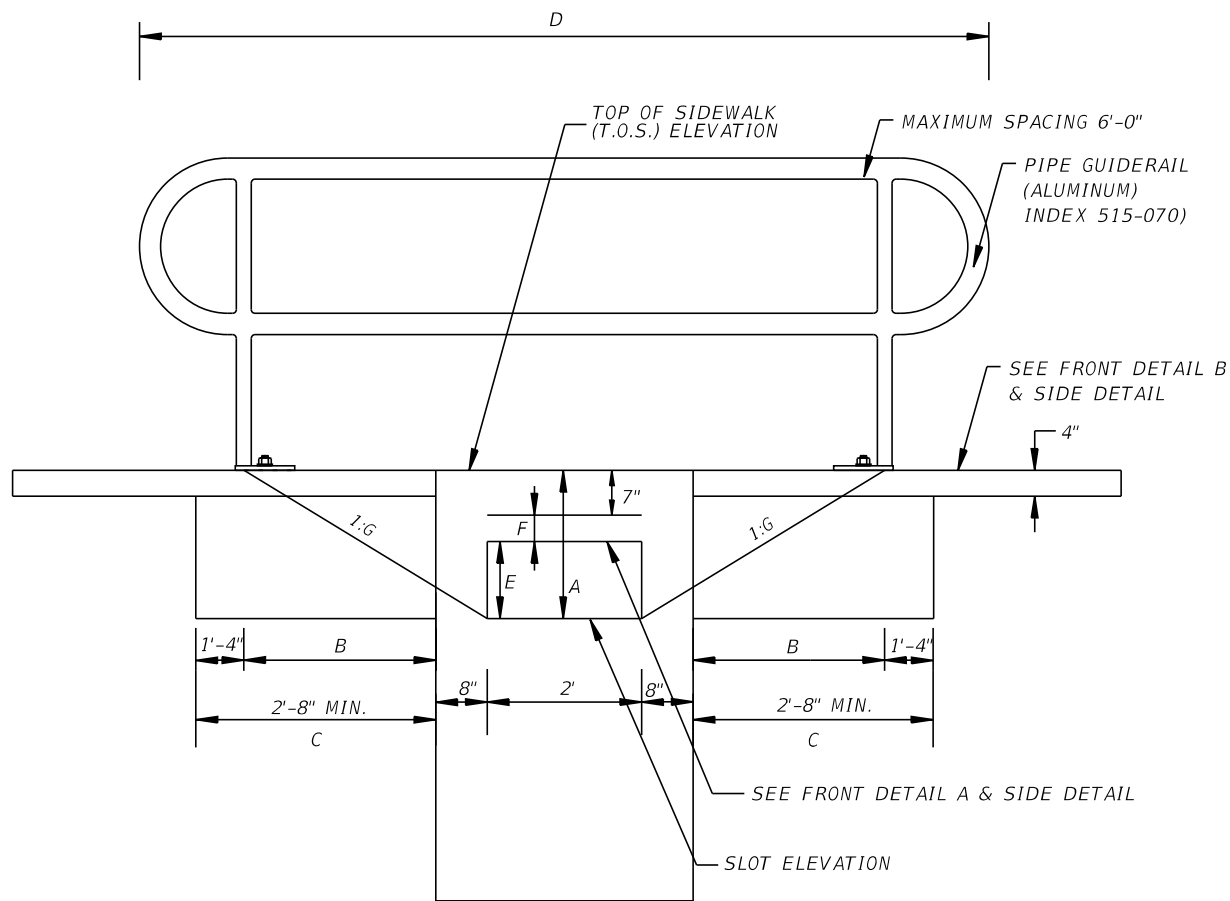
ENGINEER OF RECORD
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POND 2 & 3 OUTFALL DETAIL

SHEET NO.
186

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STRUCTURE NO.	STATION	SIDE	T.O.S. ELEVATION	SLOT ELEVATION	DEPTH A (FT)	DEPTH B (FT)	DEPTH C (FT)	WIDTH D (FT)	WIDTH E (FT)	WIDTH F (FT)	G
S-119	112+23.00	LT	76.86	74.38	2.48	6.77	8.11	19.88	1.00	0.90	1:3
S-122	116+00.00	RT	77.95	75.97	1.98	5.27	6.61	16.88	1.00	0.40	1:3
S-125	122+41.00	LT	78.18	75.16	3.02	8.39	9.73	23.12	1.00	1.44	1:3
S-128	123+02.23	LT	78.38	75.00	3.38	9.47	10.81	25.28	1.00	1.80	1:3
S-143	139+00.00	LT	80.66	78.41	2.25	6.08	7.42	18.50	1.00	0.67	1:3
S-201	145+78.00	LT	80.31	77.55	2.76	7.61	8.95	21.56	1.00	1.18	1:3
S-205	149+50.00	RT	79.15	77.37	1.78	4.67	6.01	15.68	1.00	0.20	1:3
S-208	150+67.00	LT	78.85	76.09	2.76	7.61	8.95	21.56	1.00	1.18	1:3
0S-211	167+55.00	LT	77.03	72.25	4.78	13.67	15.01	33.68	1.00	3.20	1:3
0S-212	170+00.00	LT	76.04	72.25	3.79	10.70	12.04	27.74	1.00	2.21	1:3
0S-213	172+50.00	LT	75.89	72.25	3.64	10.25	11.59	26.84	1.00	2.06	1:3
0S-214	175+15.00	LT	76.09	72.73	3.36	9.41	10.75	25.16	1.00	1.78	1:3
0S-215	178+00.00	LT	75.91	73.42	2.49	6.80	8.14	19.94	1.00	0.91	1:3
0S-216	180+75.00	LT	76.37	73.90	2.47	6.74	8.08	19.82	1.00	0.89	1:3
0S-217	183+57.00	LT	77.27	73.90	3.37	9.44	10.78	25.22	1.00	1.79	1:3
0S-218	185+00.00	LT	76.84	73.47	3.37	9.44	10.78	25.22	1.00	1.79	1:3
0S-219	186+80.46	LT	76.30	73.00	3.30	9.23	10.57	24.80	1.00	1.72	1:3
0S-220	188+05.00	LT	75.93	72.74	3.19	8.90	10.24	24.14	1.00	1.61	1:3
0S-300	193+65.86	LT	77.25	72.95	4.30	12.23	13.57	30.80	1.00	2.72	1:3
0S-301	194+40.00	LT	77.02	73.00	4.02	11.39	12.73	29.12	1.00	2.44	1:3
0S-302	195+40.00	LT	76.72	72.80	3.92	11.09	12.43	28.52	1.00	2.34	1:3
0S-303	197+81.00	LT	76.01	73.60	2.41	6.56	7.90	19.46	1.00	0.83	1:3
0S-304	199+00.79	RT	76.66	73.89	2.77	7.64	8.98	21.62	1.00	1.19	1:3
0S-305	201+50.00	RT	76.84	74.06	2.78	7.67	9.01	21.68	1.00	1.20	1:3
0S-306	203+36.34	RT	76.80	73.97	2.83	7.82	9.16	21.98	1.00	1.25	1:3
0S-307	203+42.92	RT	76.44	73.58	2.86	7.91	9.25	22.16	1.00	1.28	1:3
0S-306A	205+00.00	RT	78.32	74.20	4.12	11.69	13.03	29.72	1.00	2.54	1:3
0S-308	205+52.80	RT	78.38	73.90	4.48	12.77	14.11	31.88	1.00	2.90	1:3
0S-309	205+40.00	LT	77.03	73.56	3.47	9.74	11.08	25.82	1.00	1.89	1:3
0S-310	207+00.00	LT	76.82	72.90	3.92	11.09	12.43	28.52	1.00	2.34	1:3
0S-311	208+25.00	LT	76.32	72.50	3.82	10.79	12.13	27.92	1.00	2.24	1:3
0S-312	209+50.00	LT	75.82	71.75	4.07	11.54	12.88	29.42	1.00	2.49	1:3
0S-313	211+11.00	LT	75.17	72.00	3.17	8.84	10.18	24.02	1.00	1.59	1:3
0S-314	213+37.09	LT	76.86	71.90	4.96	14.21	15.55	34.76	1.00	3.38	1:3
0S-315	214+80.00	LT	76.82	71.50	5.32	15.29	16.63	36.92	1.00	3.74	1:3
0S-317	215+42.00	LT	76.61	71.50	5.11	14.66	16.00	35.66	1.00	3.53	1:3
0S-318	215+96.00	LT	76.48	71.60	4.88	13.97	15.31	34.28	1.00	3.30	1:3
0S-319	217+88.61	LT	75.52	71.91	3.61	10.16	11.50	26.66	1.00	2.03	1:3
0S-320	219+86.08	LT	75.90	72.06	3.84	10.85	12.19	28.04	1.00	2.26	1:3
0S-321	219+80.00	RT	75.96	71.65	4.31	12.26	13.60	30.86	1.00	2.73	1:3
0S-322	221+01.52	LT	75.55	71.89	3.66	10.31	11.65	26.96	1.00	2.08	1:3
0S-323	222+40.00	LT	75.13	71.32	3.81	10.76	12.10	27.86	1.00	2.23	1:3
0S-324	222+40.00	RT	75.19	71.35	3.84	10.85	12.19	28.04	1.00	2.26	1:3
0S-326	228+80.00	LT	73.85	70.21	3.64	10.25	11.59	26.84	1.00	2.06	1:3
0S-327	231+00.00	LT	74.95	70.53	4.42	12.59	13.93	31.52	1.00	2.84	1:3
0S-328	232+65.00	LT	75.78	72.80	2.98	8.27	9.61	22.88	1.00	1.40	1:3
0S-329	235+30.40	LT	75.85	73.90	1.95	5.18	6.52	16.70	1.00	0.37	1:3
0S-330	235+30.40	RT	75.86	72.83	3.03	8.42	9.76	23.18	1.00	1.45	1:3

NOTES:

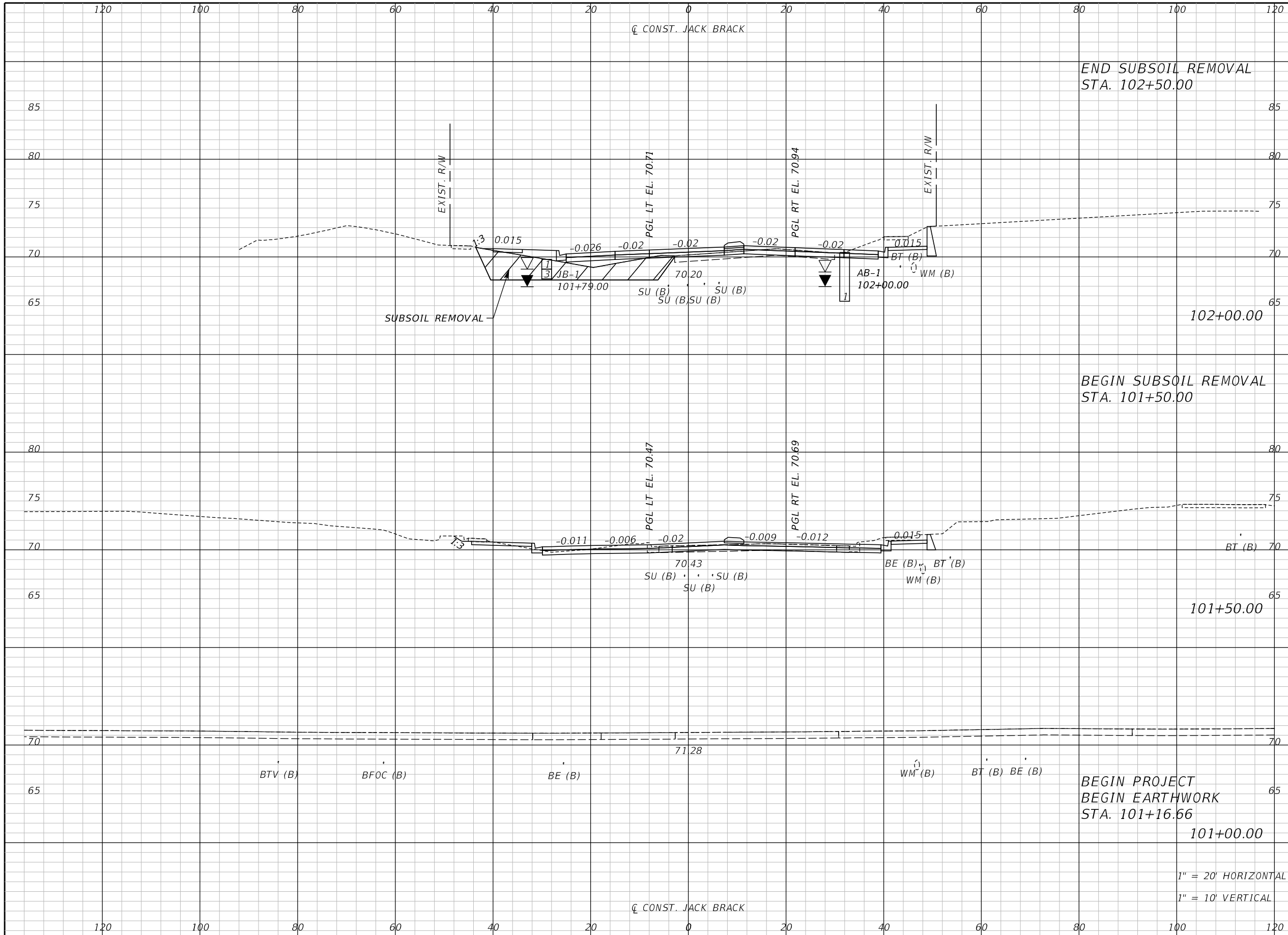
1. CLASS 1 CONCRETE AND REINFORCED STEEL SHALL BE INCLUDED IN UNIT PRICE FOR INLET TYPE C (MOD.)
2. THIS BACK OF SIDEWALK DETAIL APPLIES TO THE BACK OF SIDEWALK INLETS AS SHOWN IN THE TABLE.

ALL OTHER BACK OF SIDEWALK INLETS WILL BE CONSTRUCTED AS DETAILED IN FDOT'S STANDARD PLANS FY 2024-25, INDEX 425-060.

* SEE PLAN VIEW FOR GUIDERAIL (ALUMINUM) AND/OR GRAVITY WALL LOCATIONS.

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	DRAINAGE DETAIL	SHEET NO.
DATE	BY	DESCRIPTION					187

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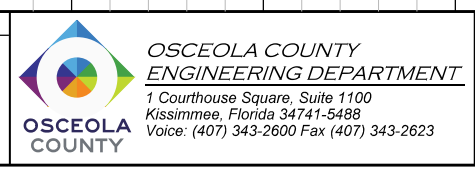


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

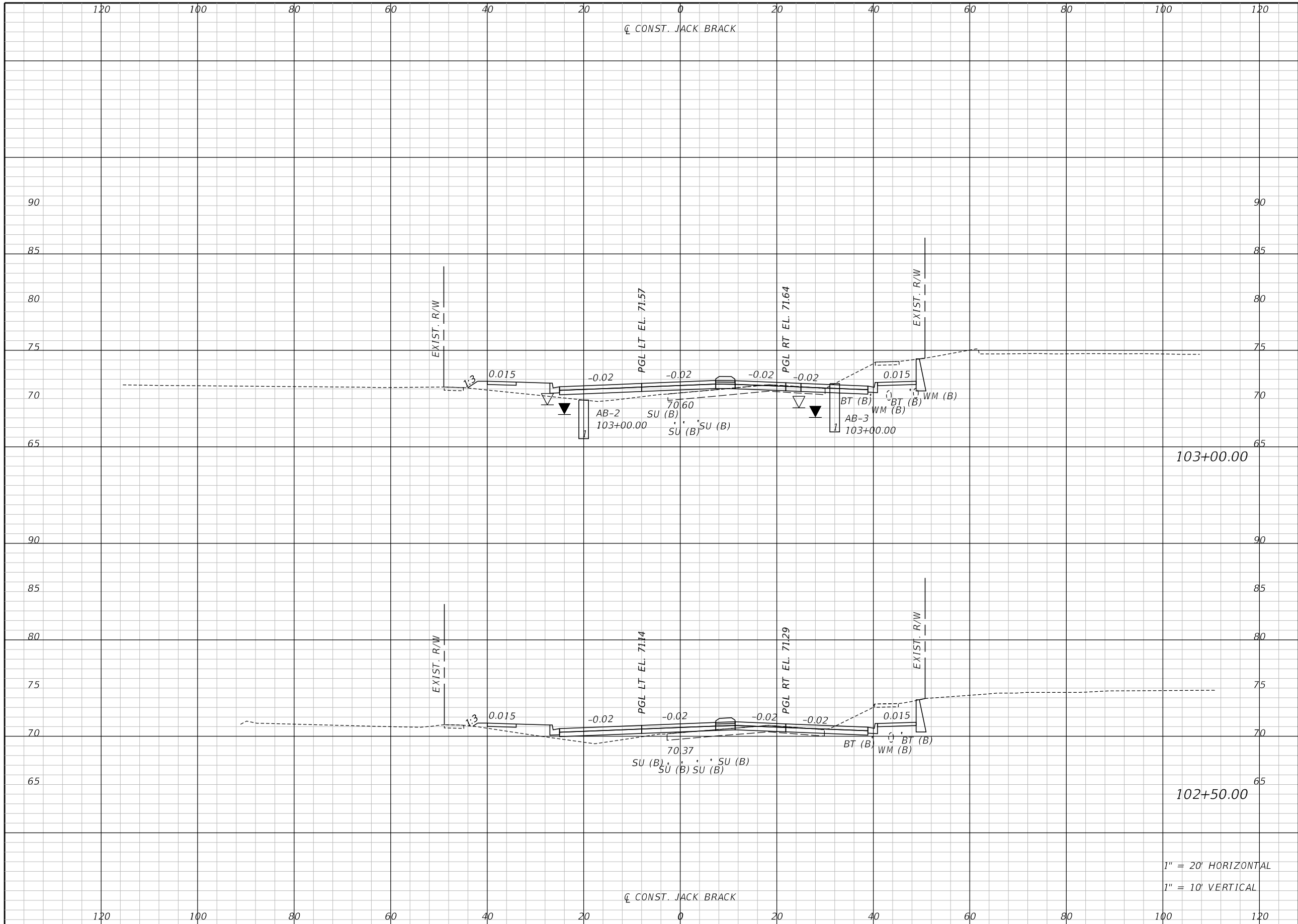
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET
NO.
188

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103+00.00

102+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

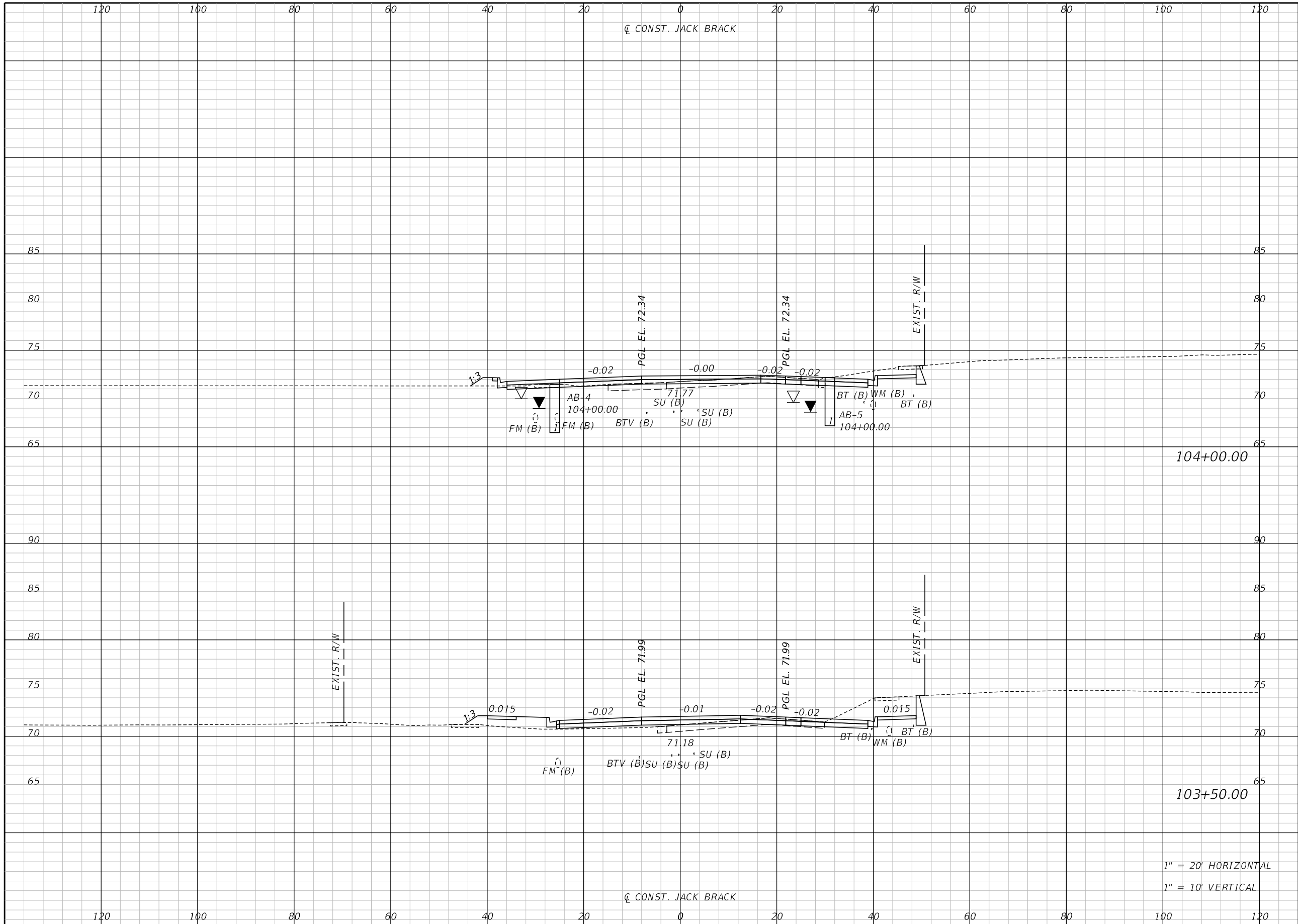
ENGINEER OF RECORD
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PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
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Kissimmee, Florida 34741-5488
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CROSS SECTIONS

SHEET NO.
189

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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

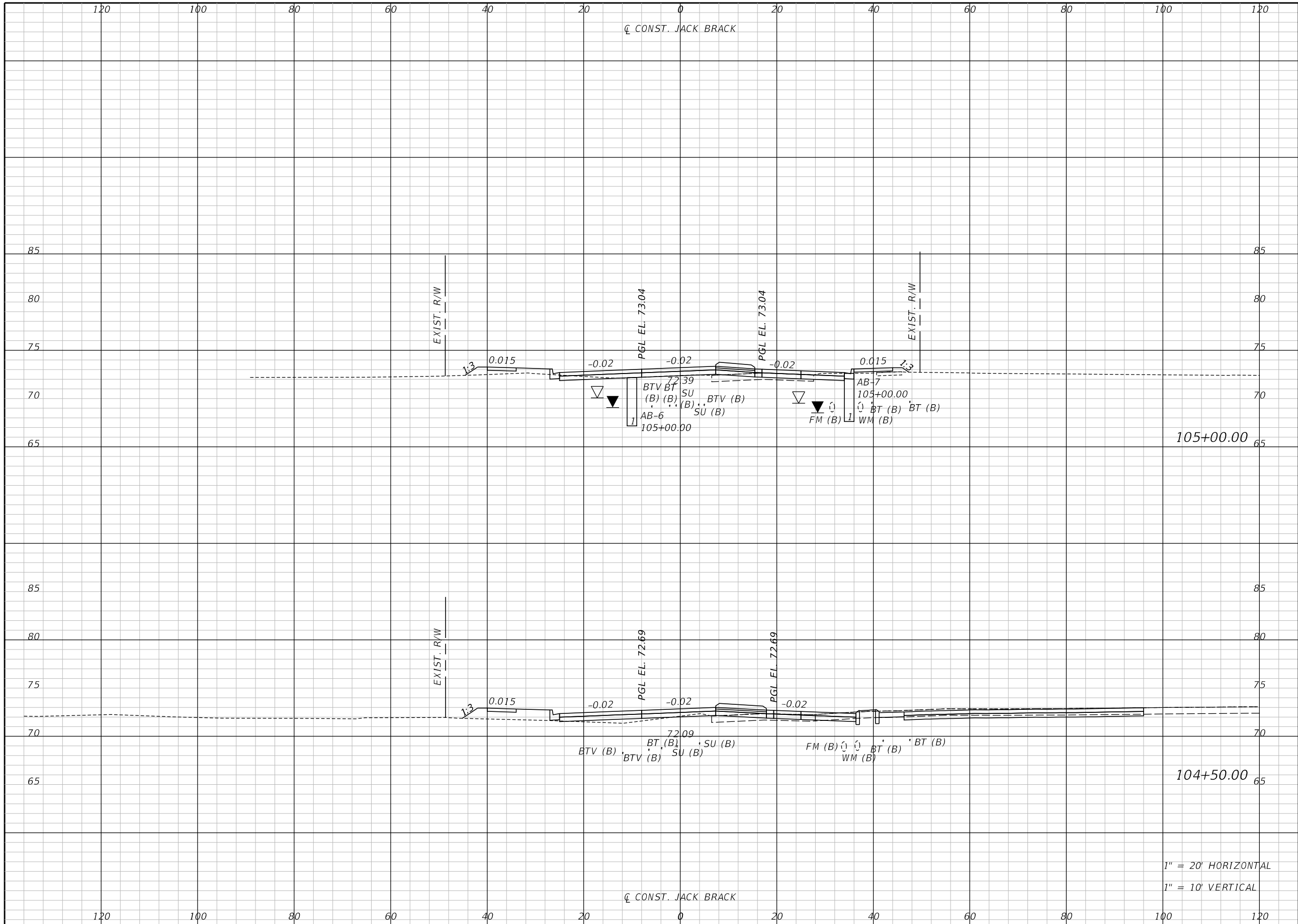
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
190

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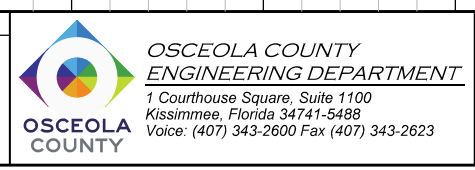
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

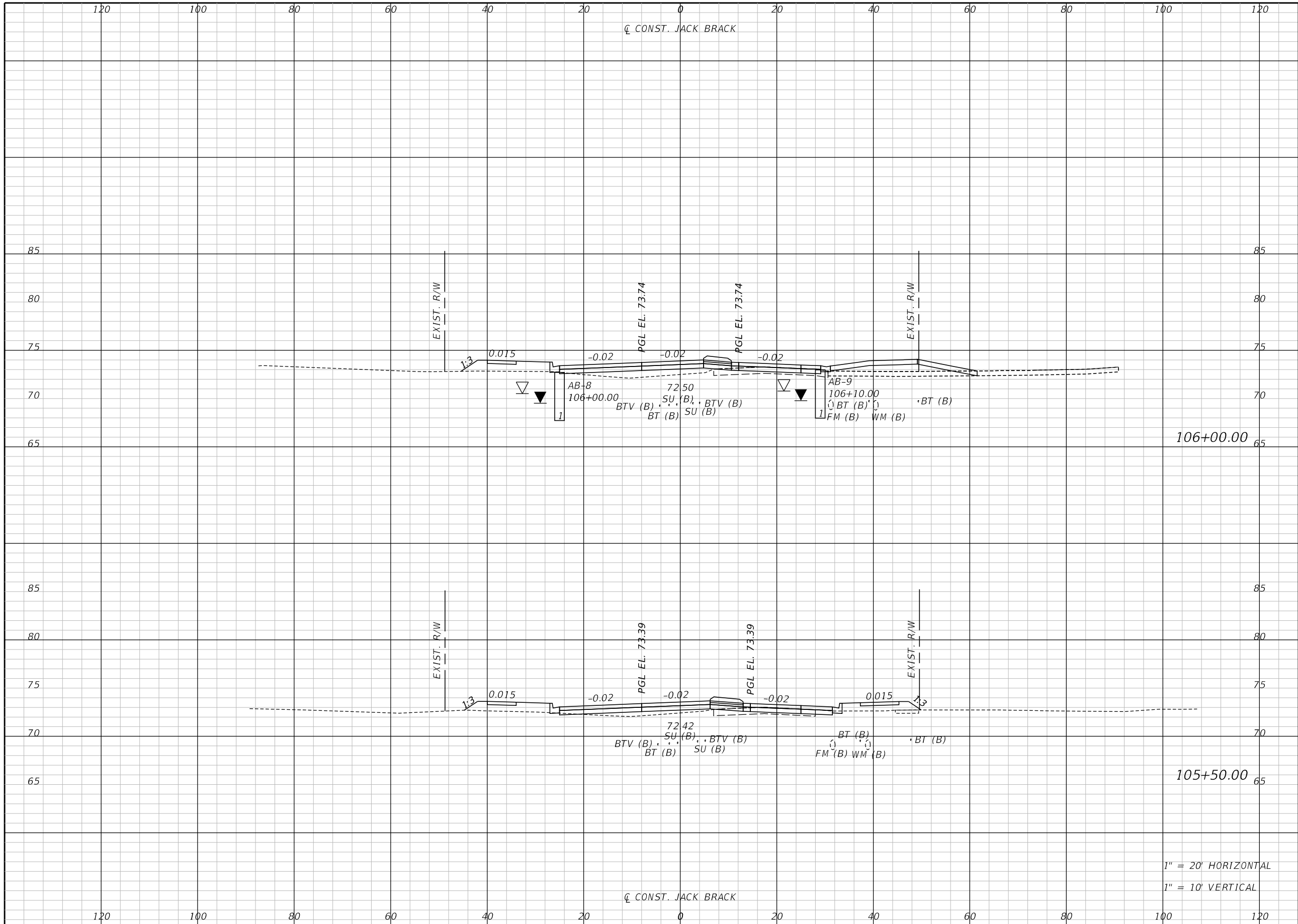
ENGINEER OF RECORD
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
191

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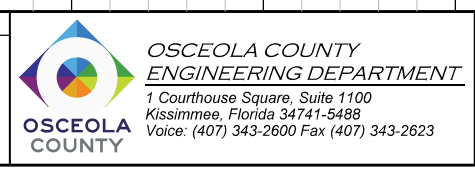


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

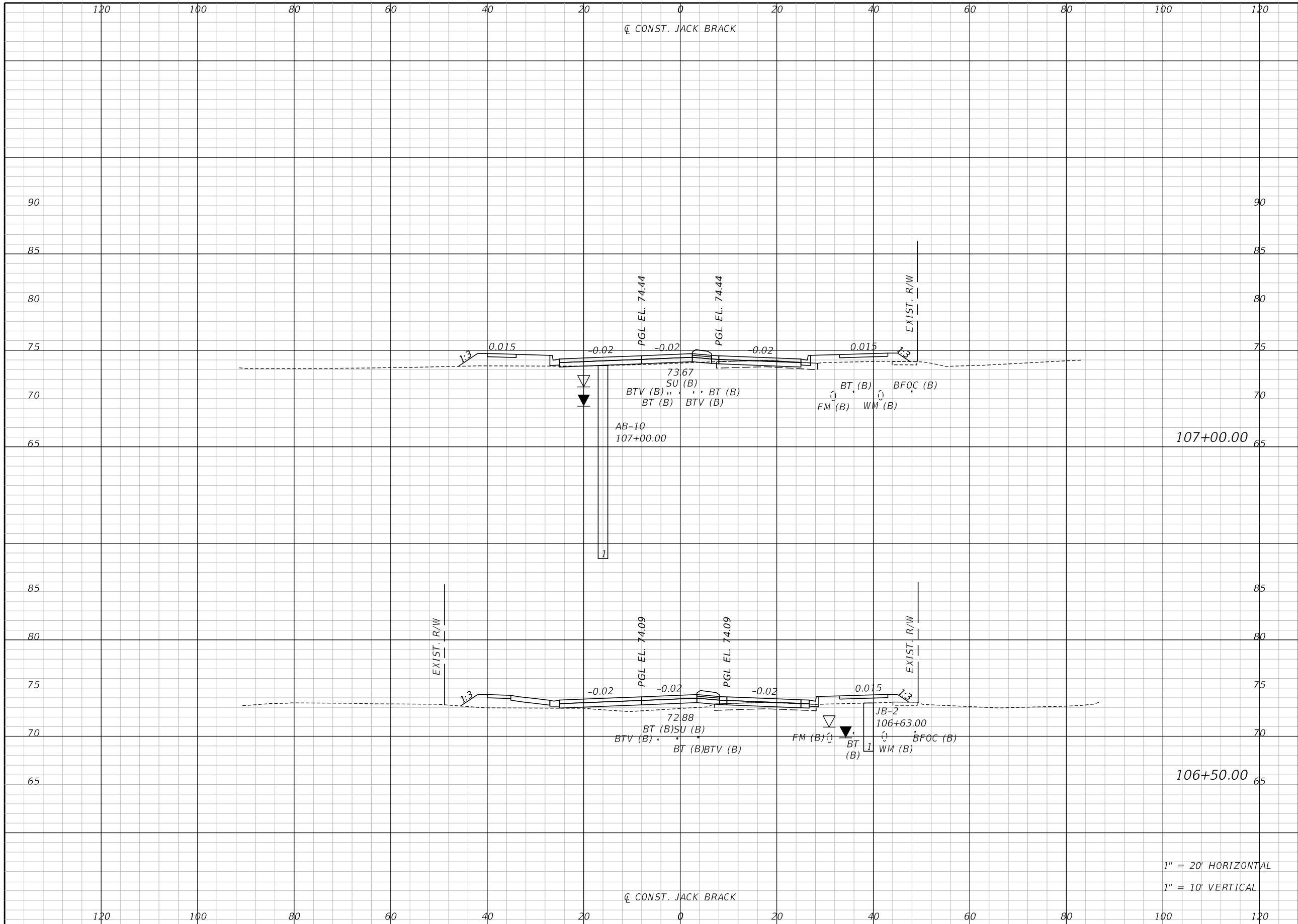
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
192

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

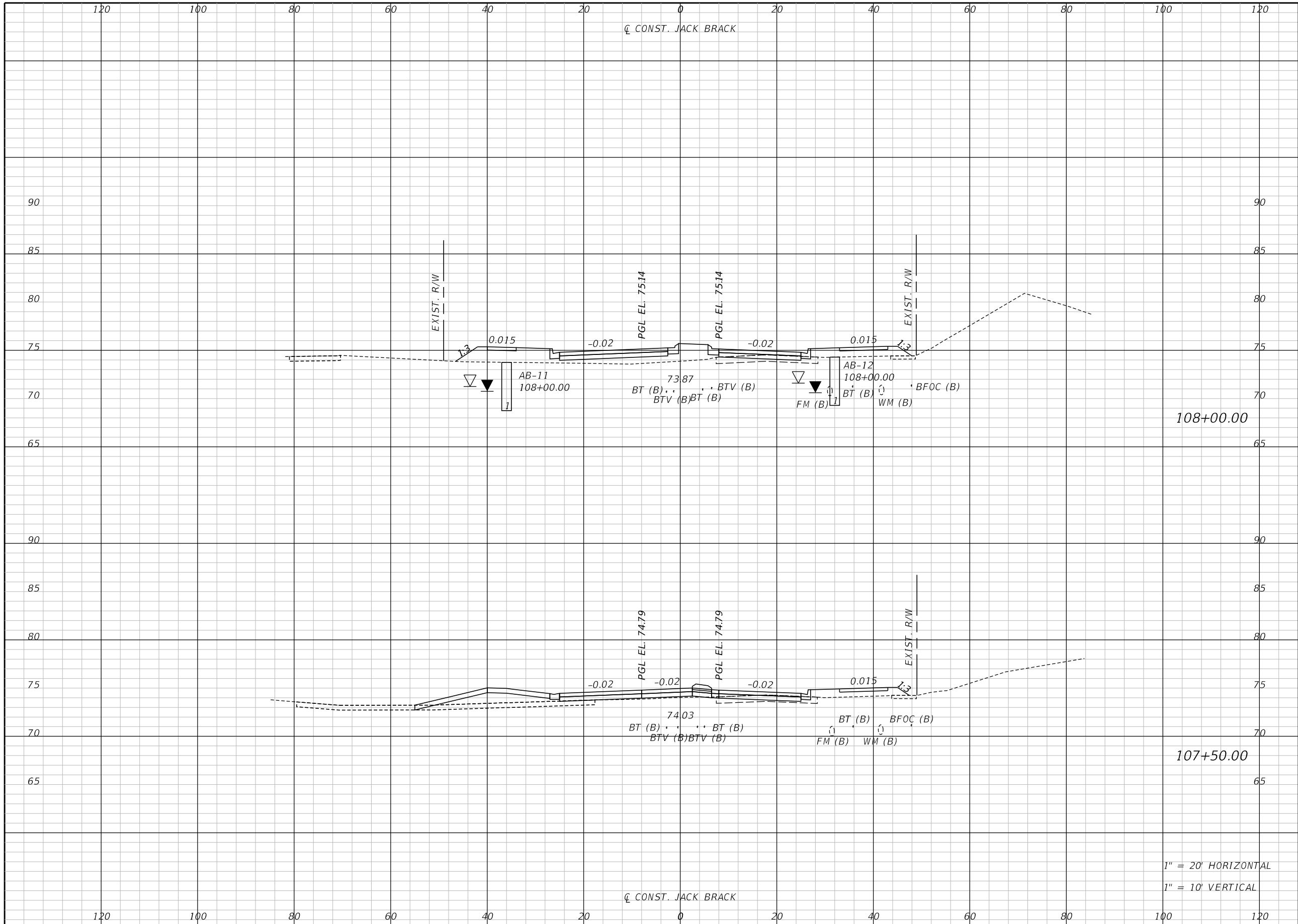
ENGINEER OF RECORD
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**OSCEOLA COUNTY
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1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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CROSS SECTIONS

SHEET NO.
193

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Regular		Exc.		Embankment	
A	V	A	V	A	V

108+00.00

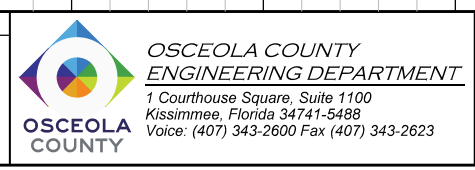
107+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

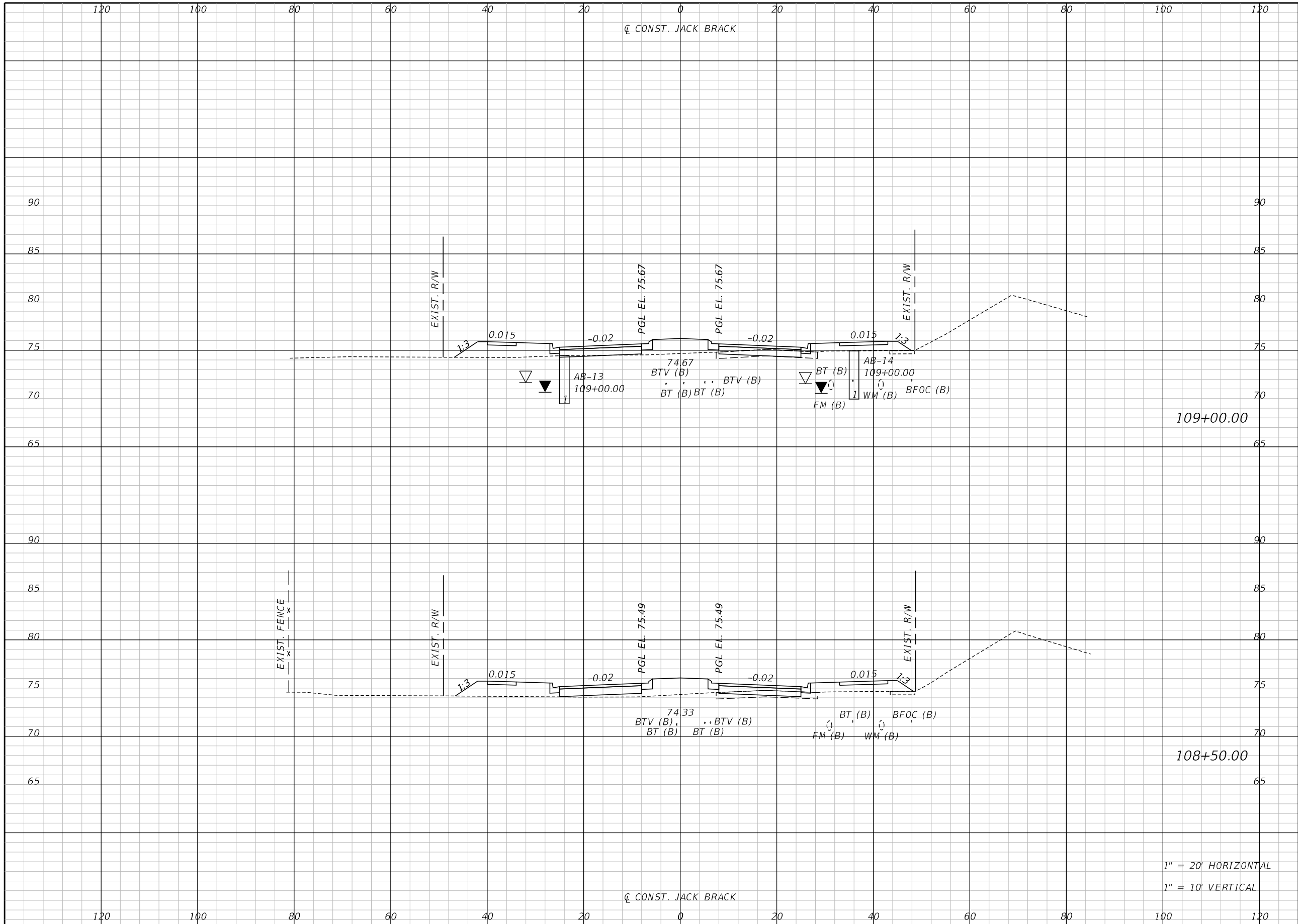
ENGINEER OF RECORD
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PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
194

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Regular		Exc.		Embankment	
A	V	A	V	A	V

109+00.00

108+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

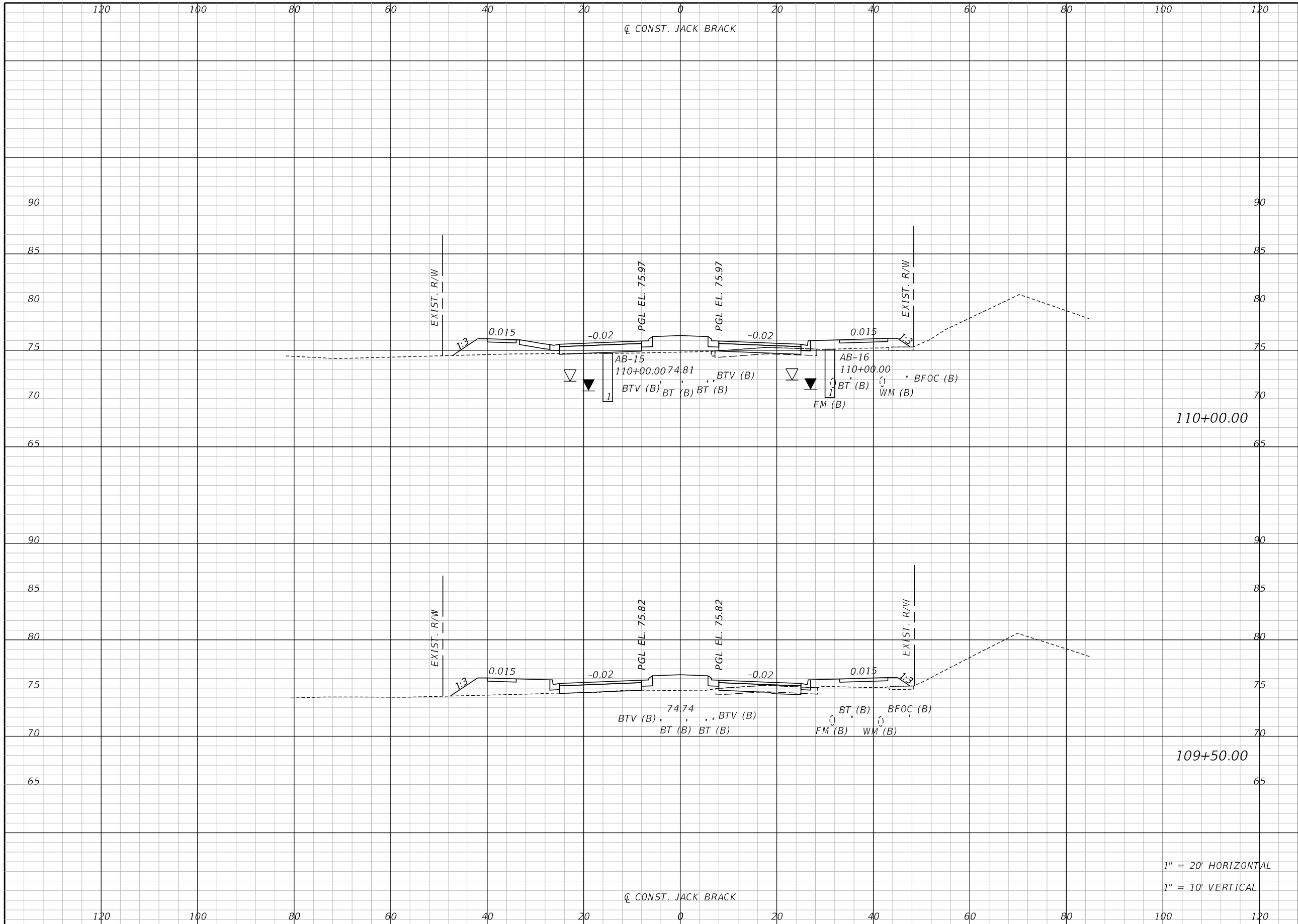
ENGINEER OF RECORD
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
195

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Regular		Exc.		Embankment	
A	V	A	V	A	V

110+00.00

109+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

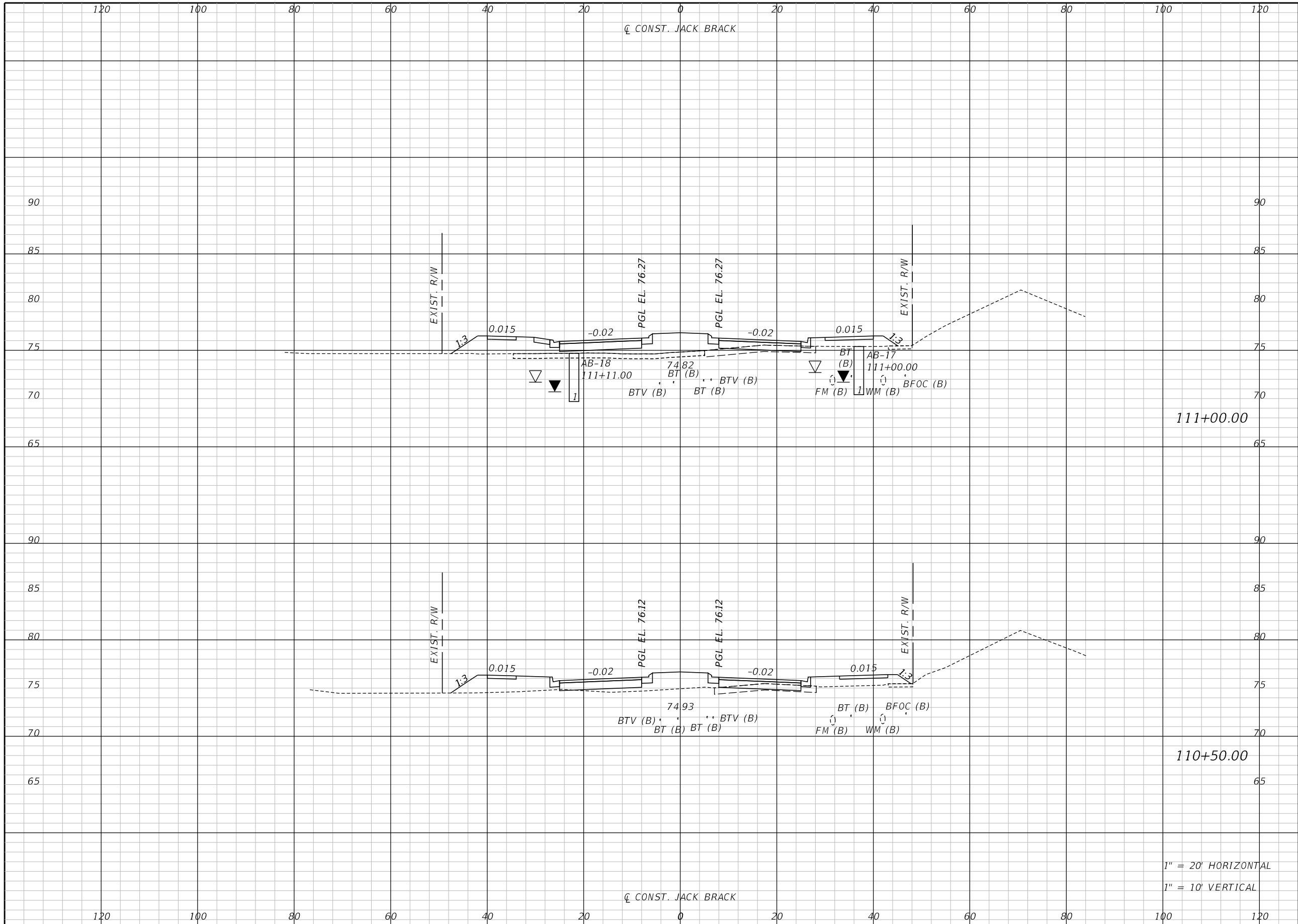
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
196

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Regular		Exc.		Embankment	
A	V	A	V	A	V

111+00.00

110+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

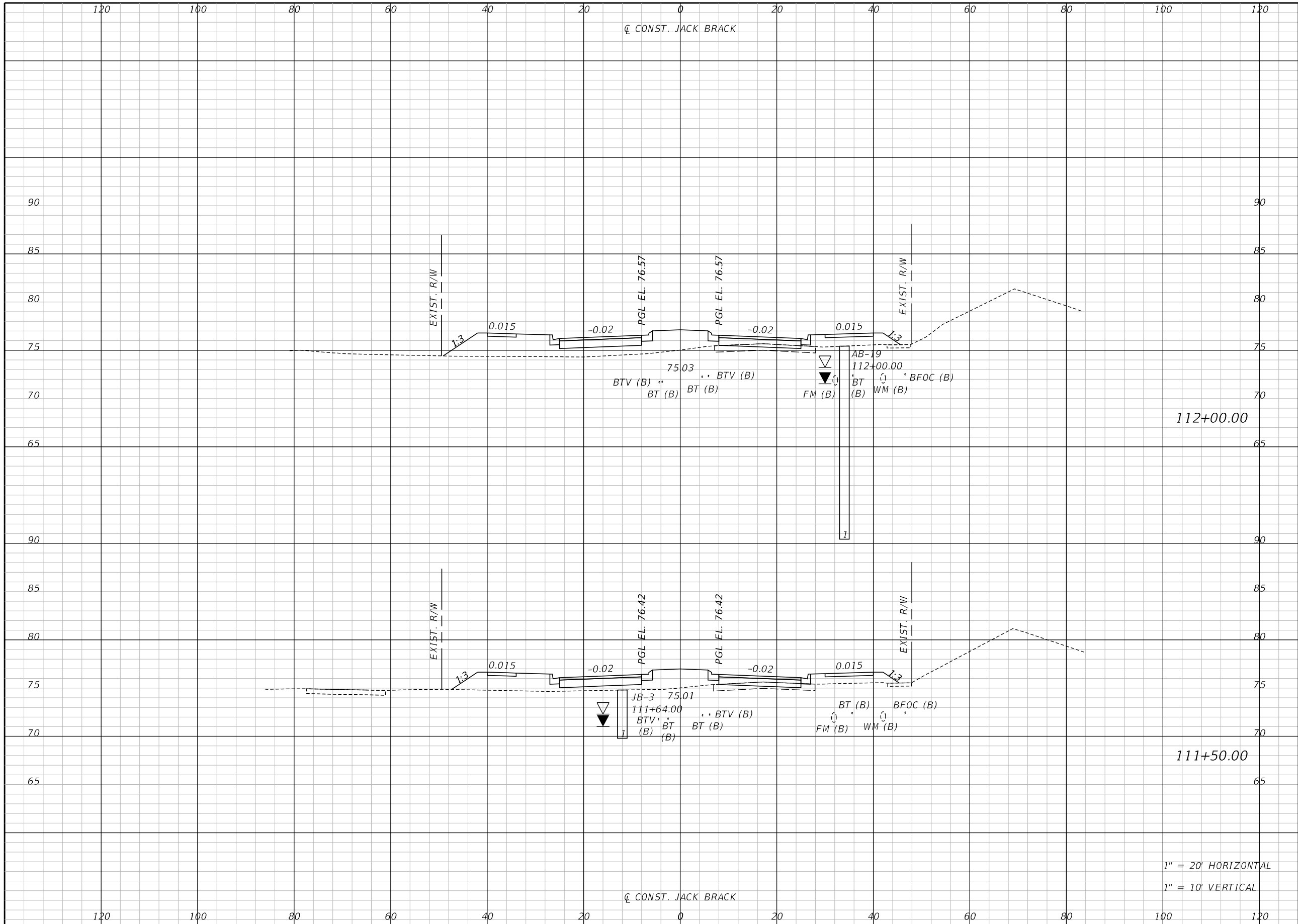
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
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CROSS SECTIONS

SHEET NO.
197

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



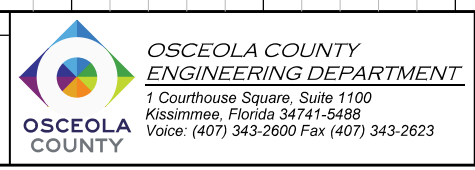
Regular		Exc.		Embankment	
A	V	A	V	A	V
112+00.00					
111+50.00					

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

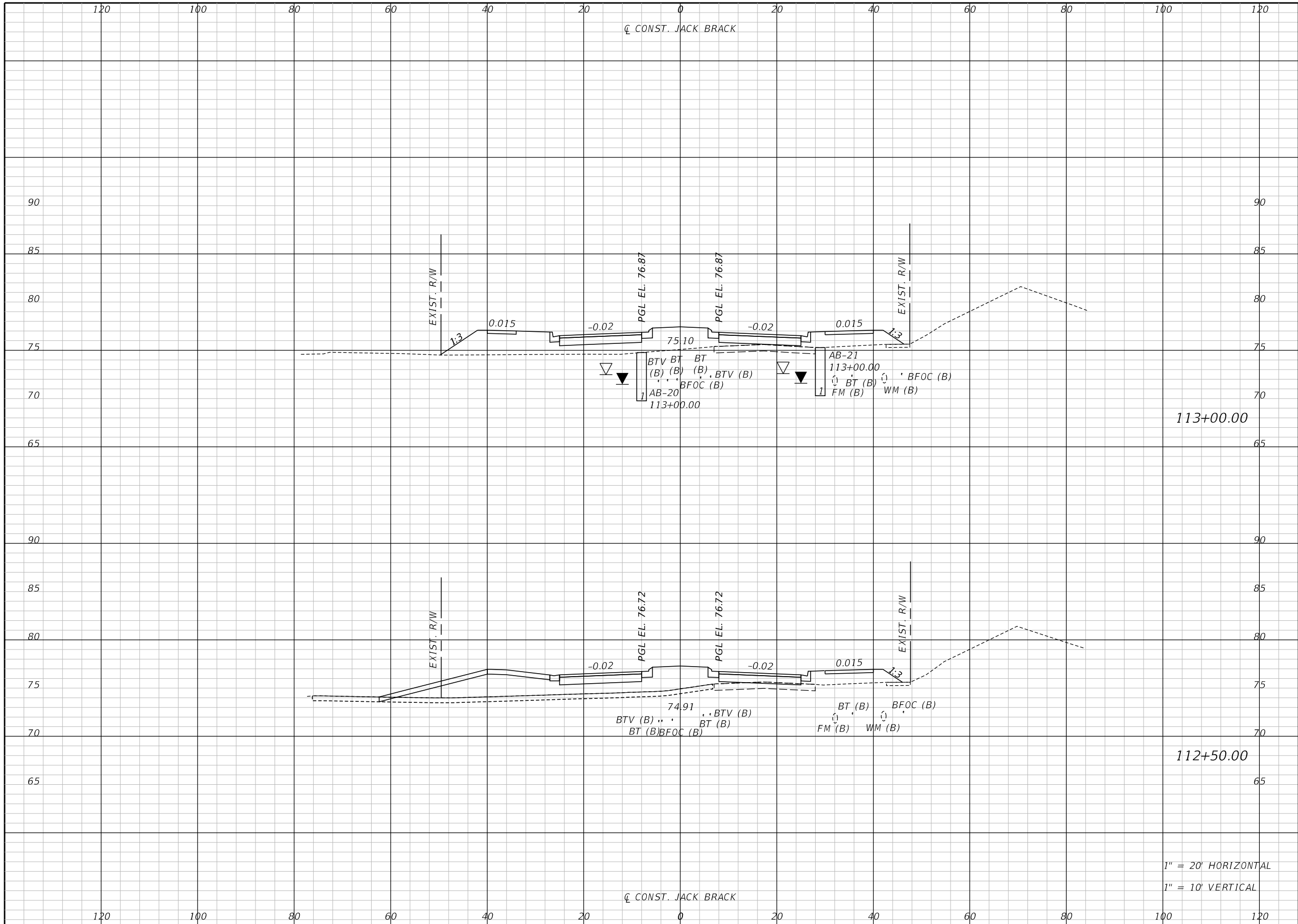
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
198

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Regular		Exc.		Embankment	
A	V	A	V	A	V

113+00.00

112+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

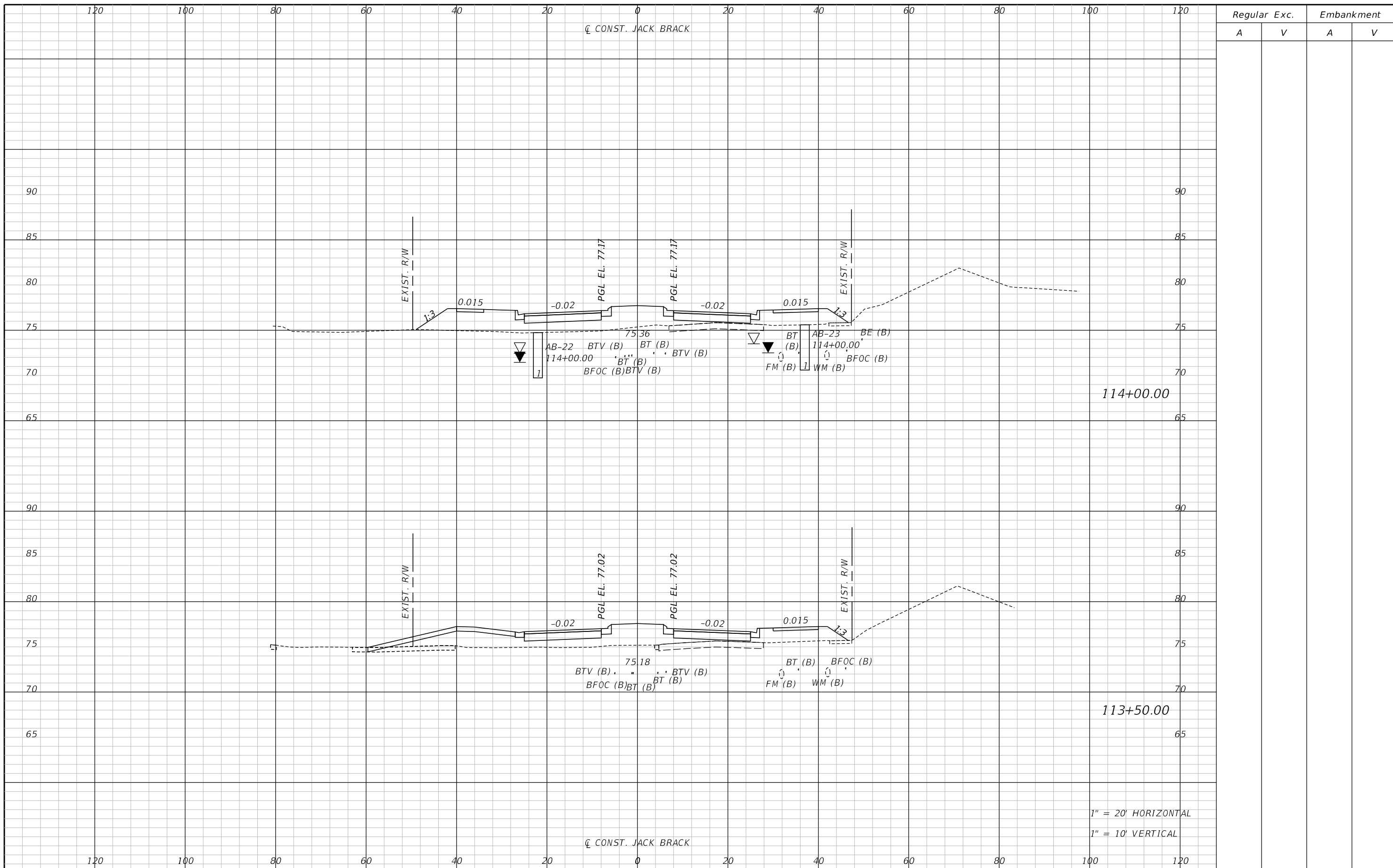
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
199

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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

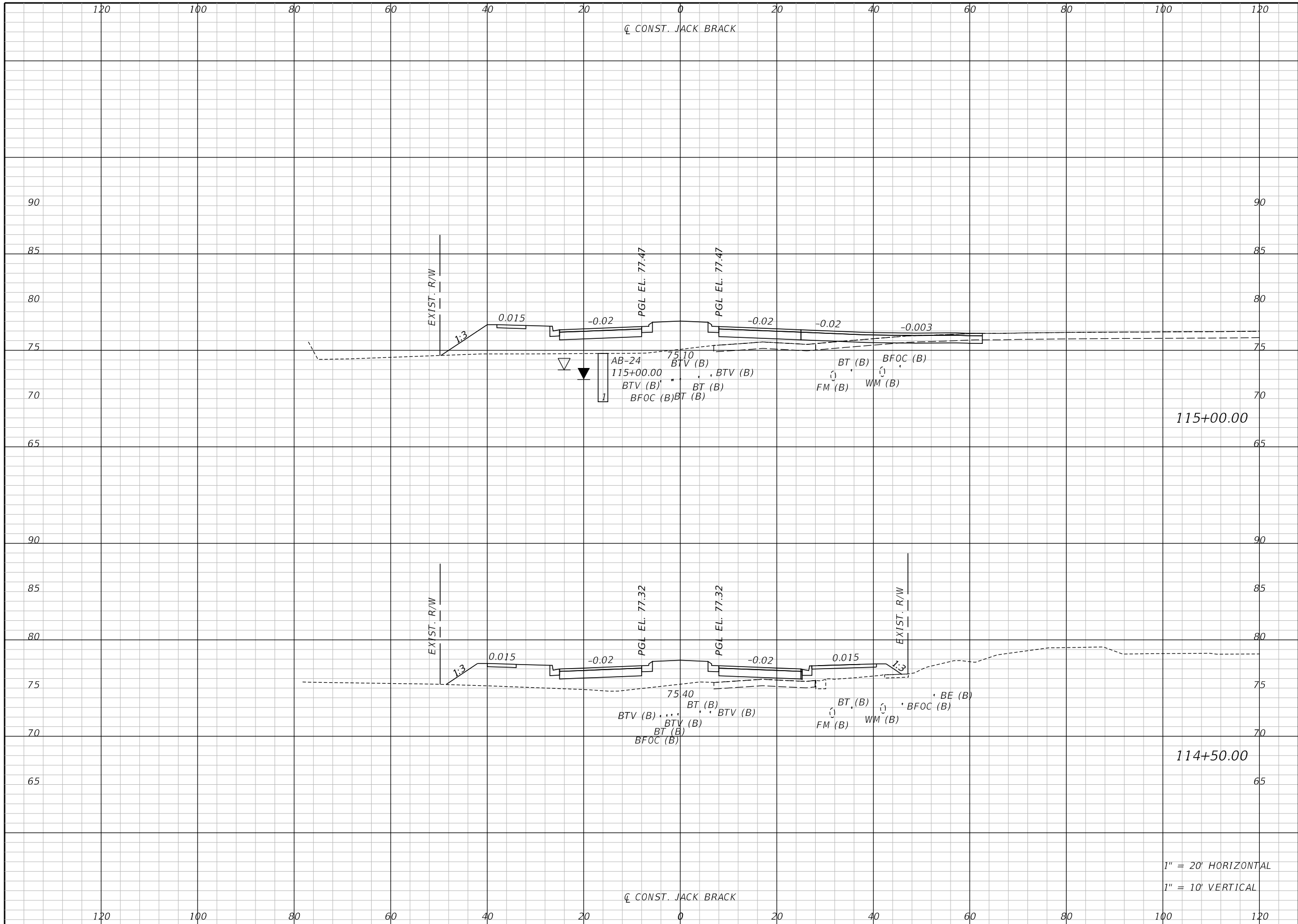
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET
NO.
200

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Regular		Exc.		Embankment	
A	V	A	V	A	V

115+00.00

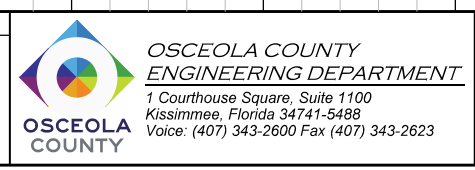
114+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

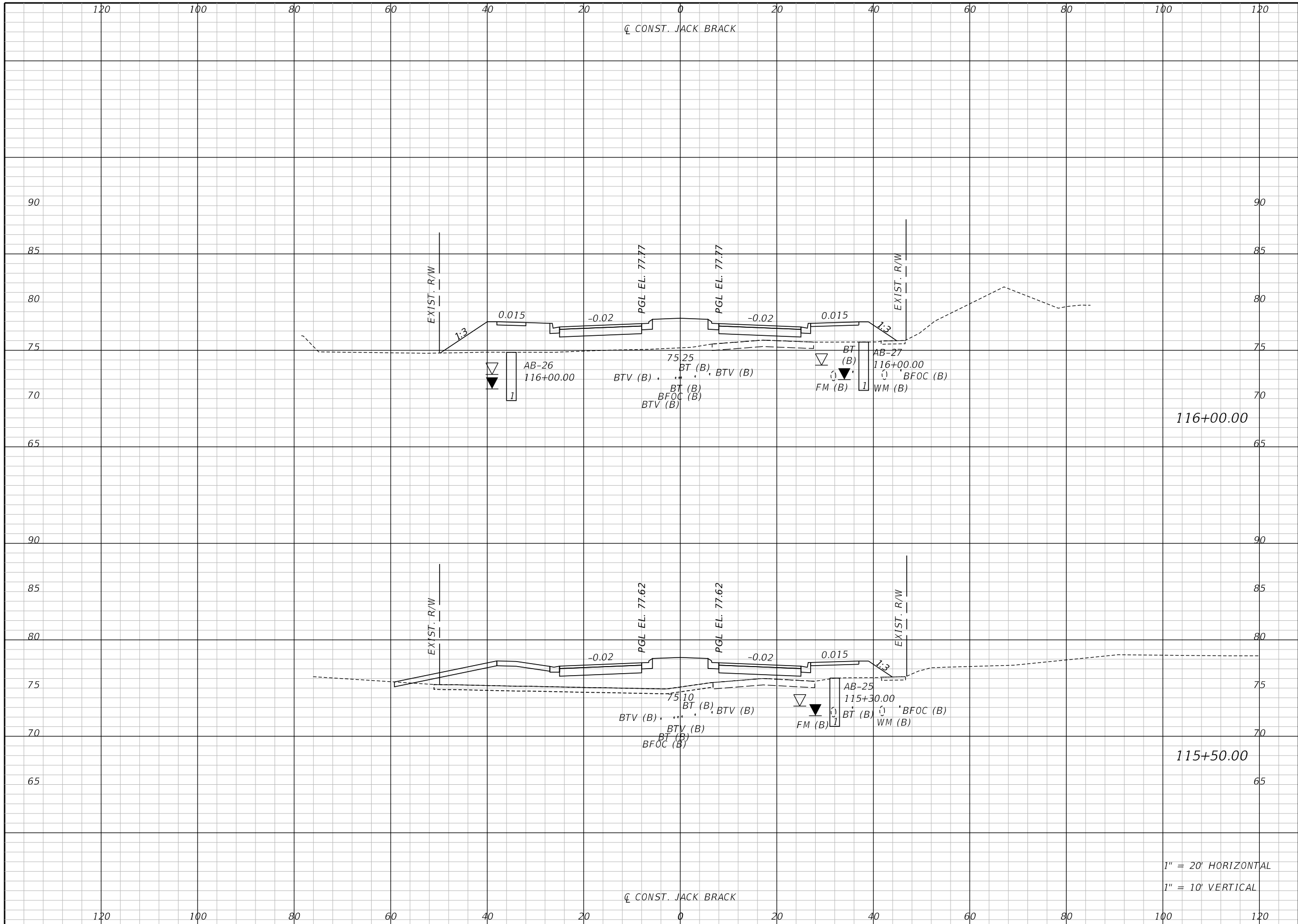
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V

116+00.00

115+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

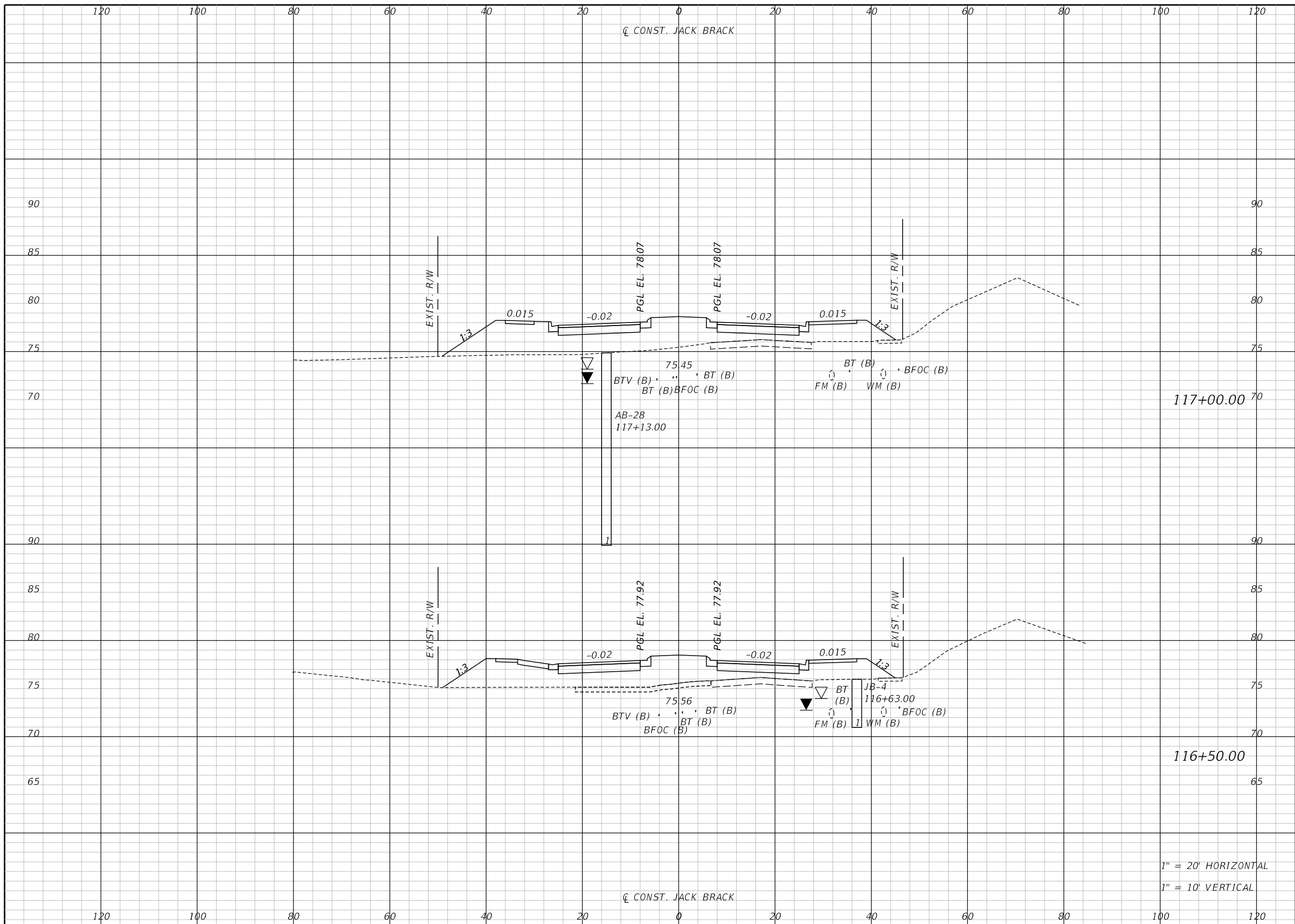
ENGINEER OF RECORD
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OSCEOLA COUNTY
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CROSS SECTIONS

SHEET NO.
202

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Regular		Exc.		Embankment	
A	V	A	V	A	V

117+00.00

116+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

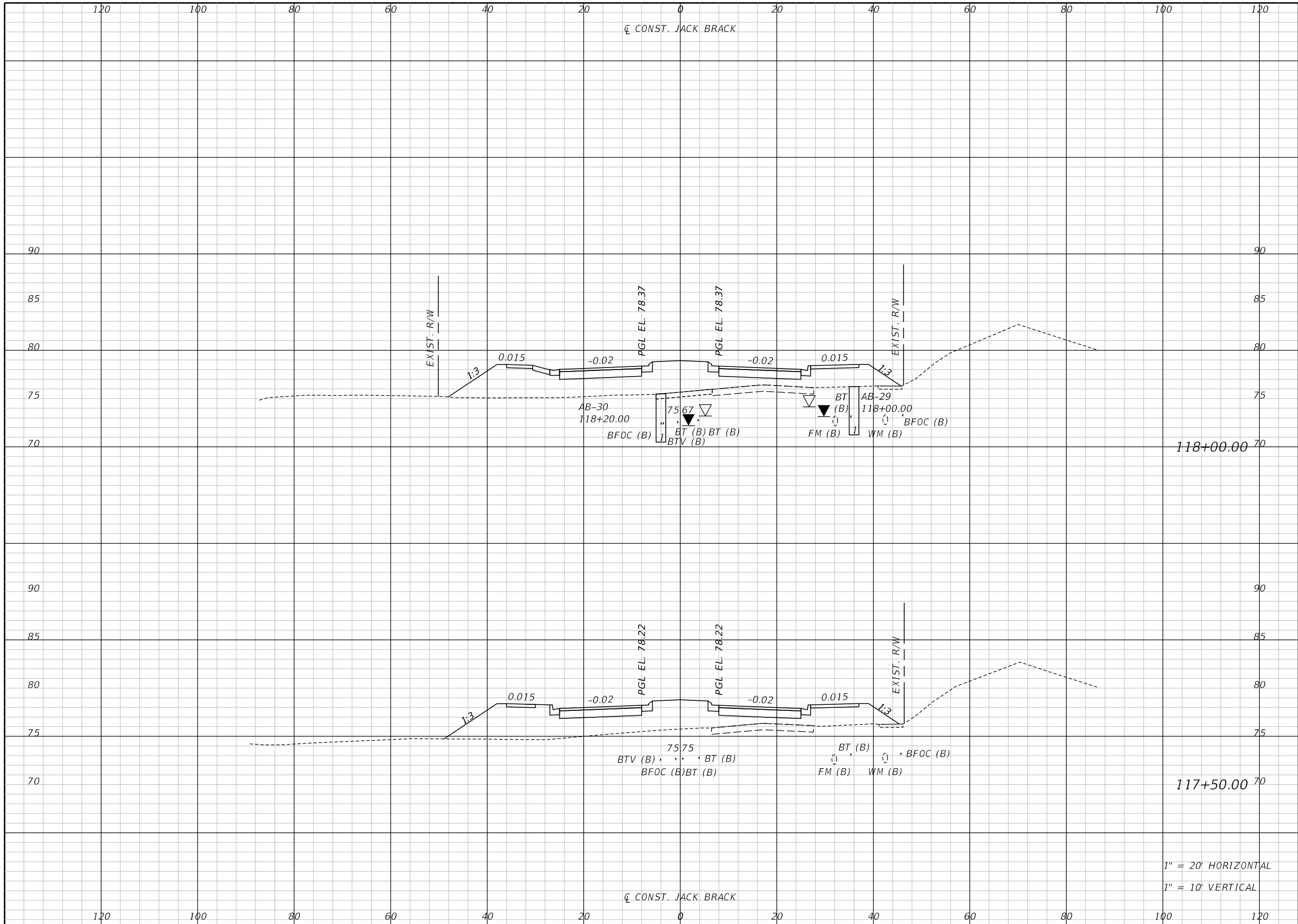
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
203

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

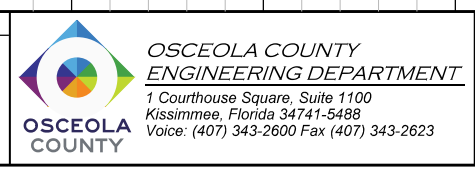


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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 Oviedo, Florida 32765

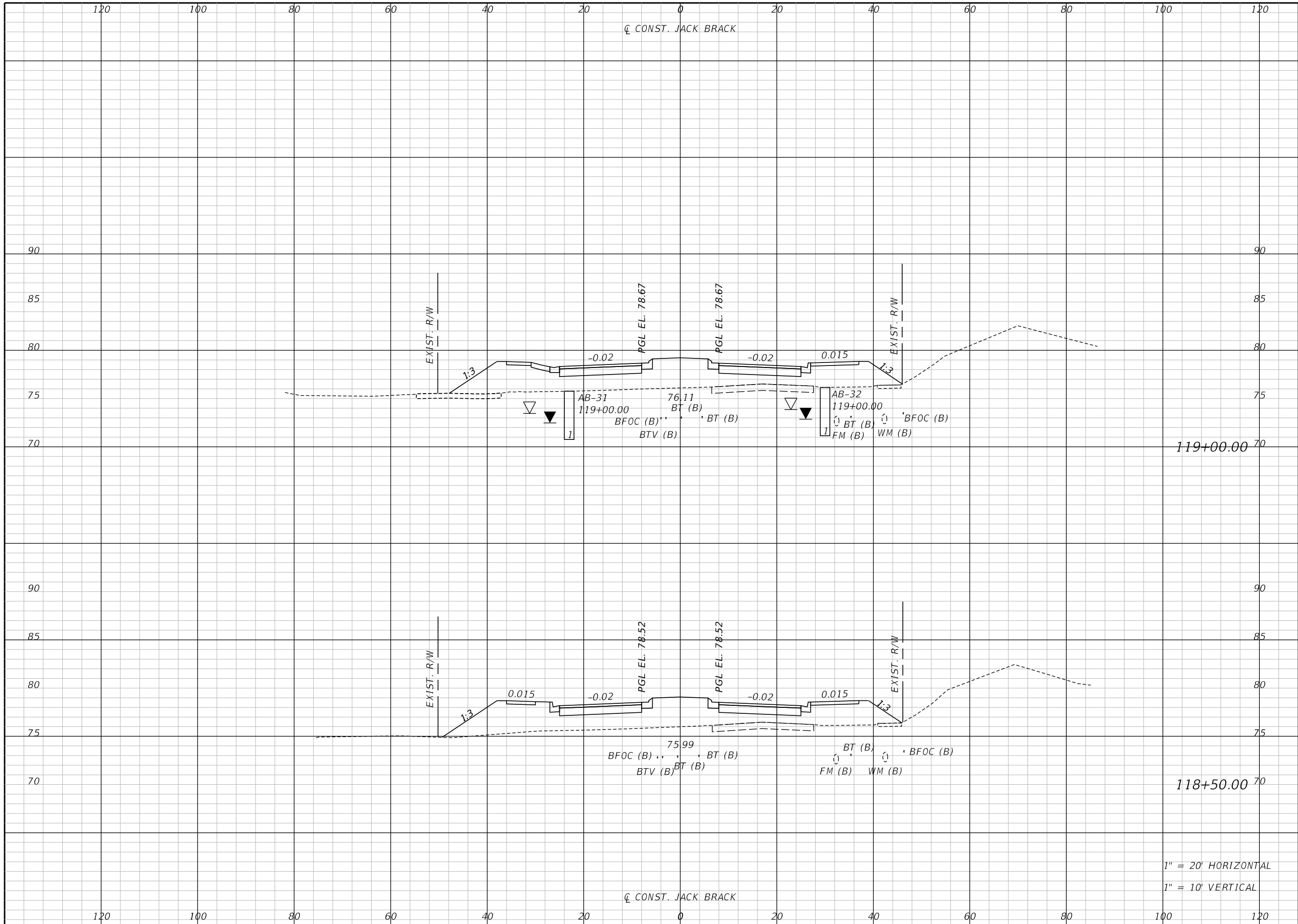


CROSS SECTIONS

SHEET NO.
204

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

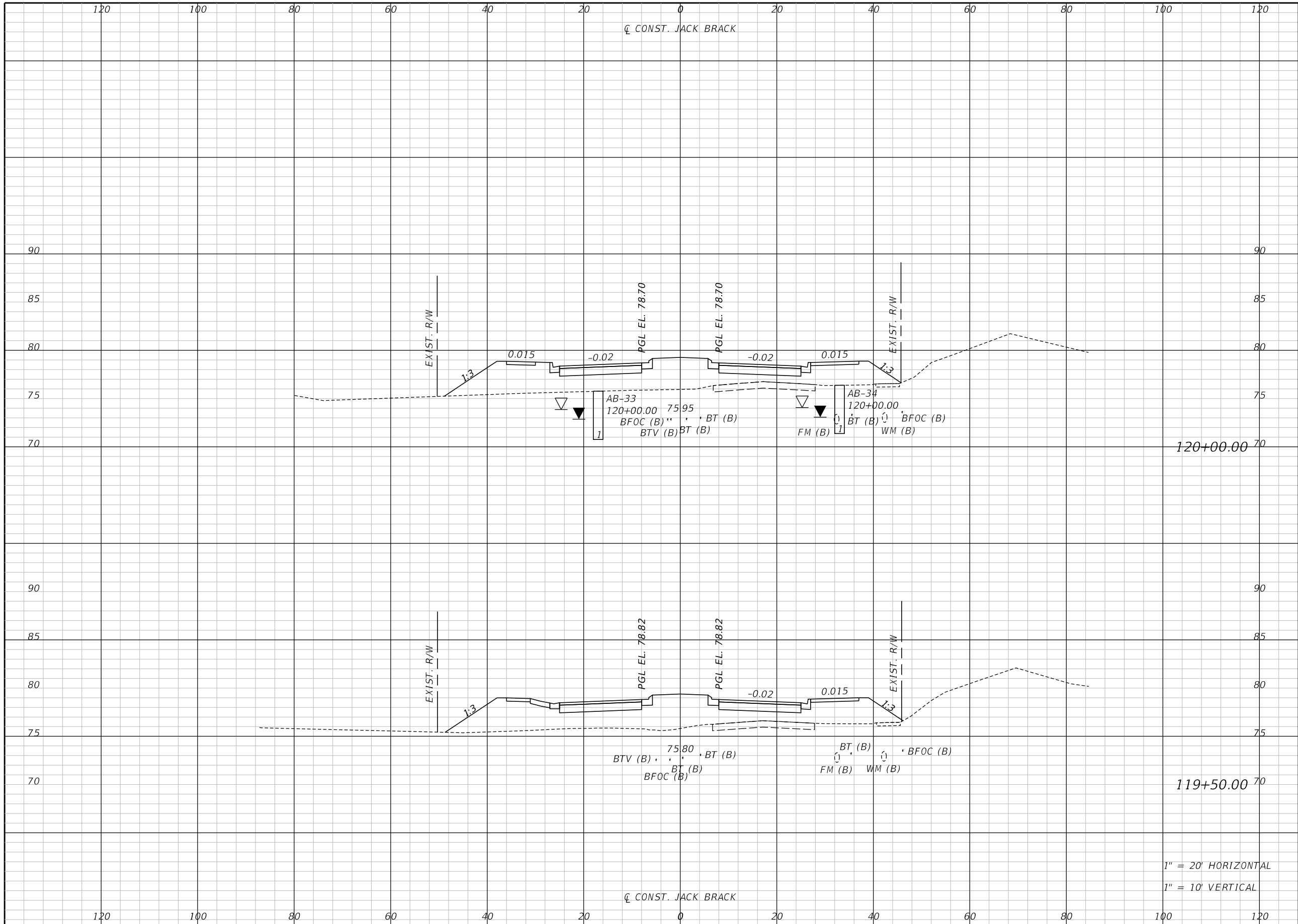
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
205

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	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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 Oviedo, Florida 32765

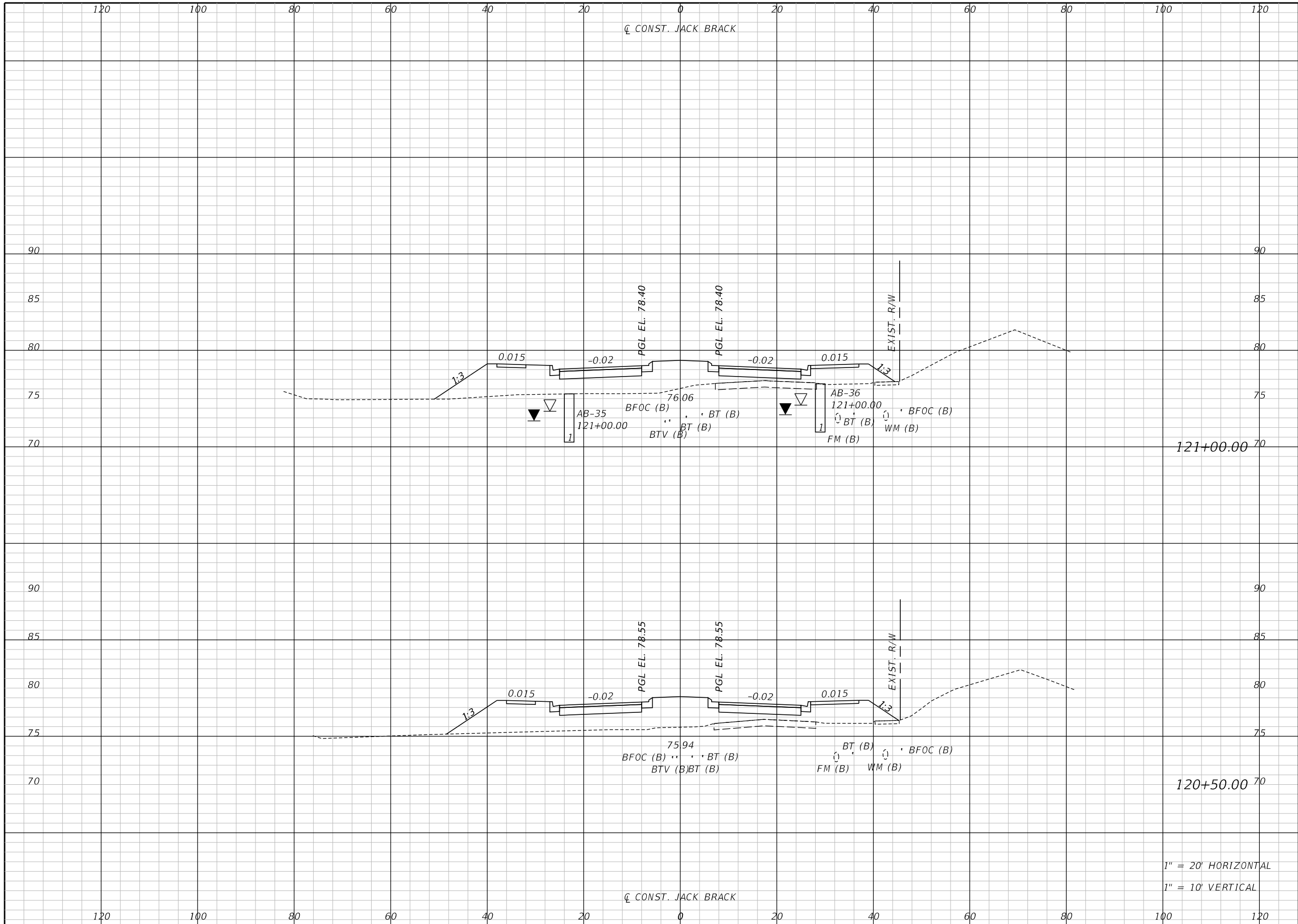


CROSS SECTIONS

SHEET NO.
206

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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

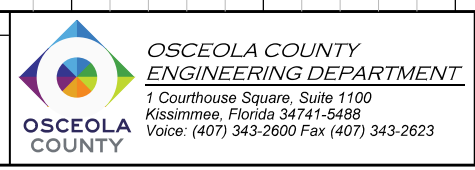


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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 Oviedo, Florida 32765

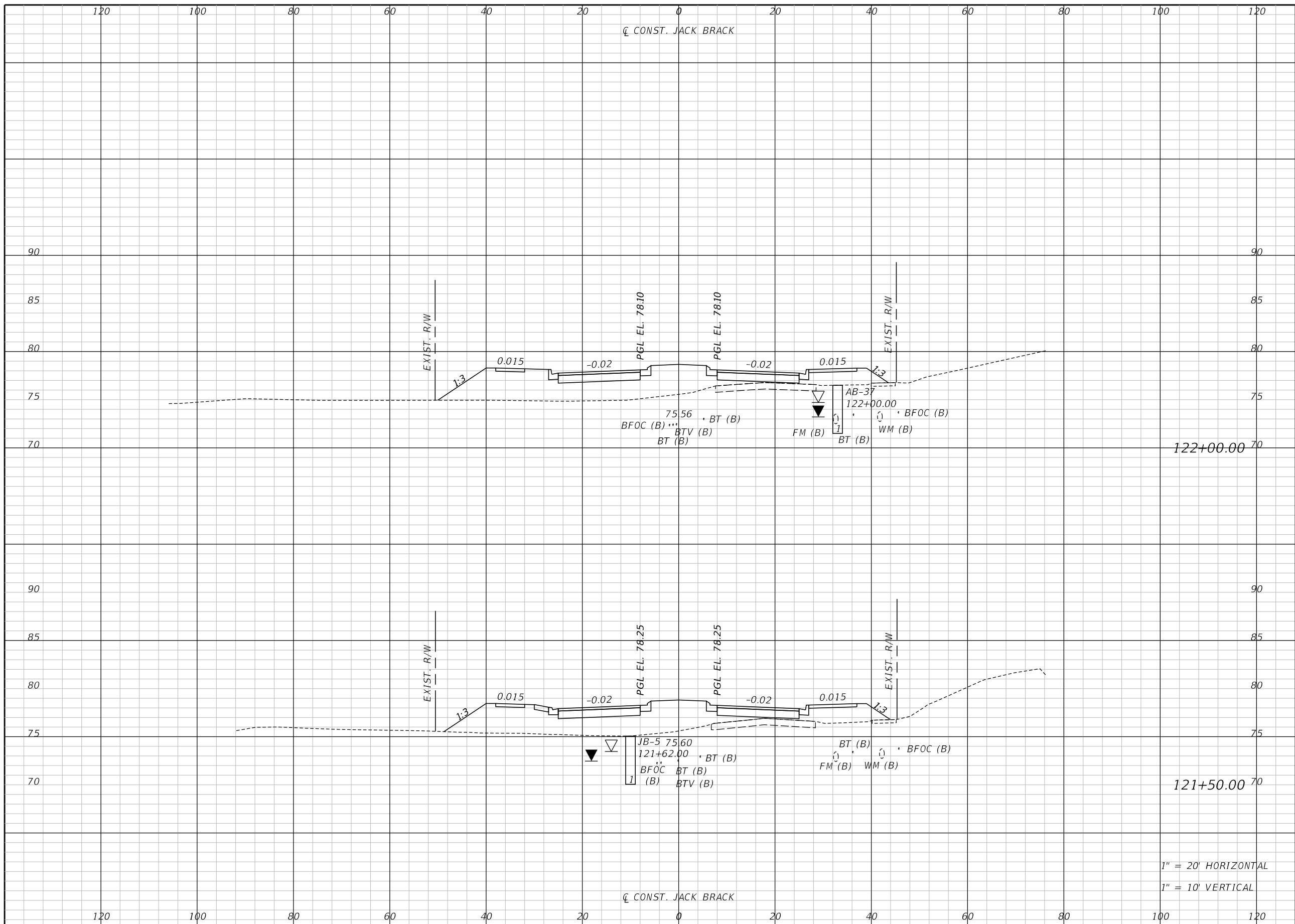


CROSS SECTIONS

SHEET NO.
207

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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

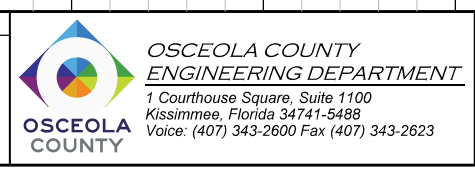


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

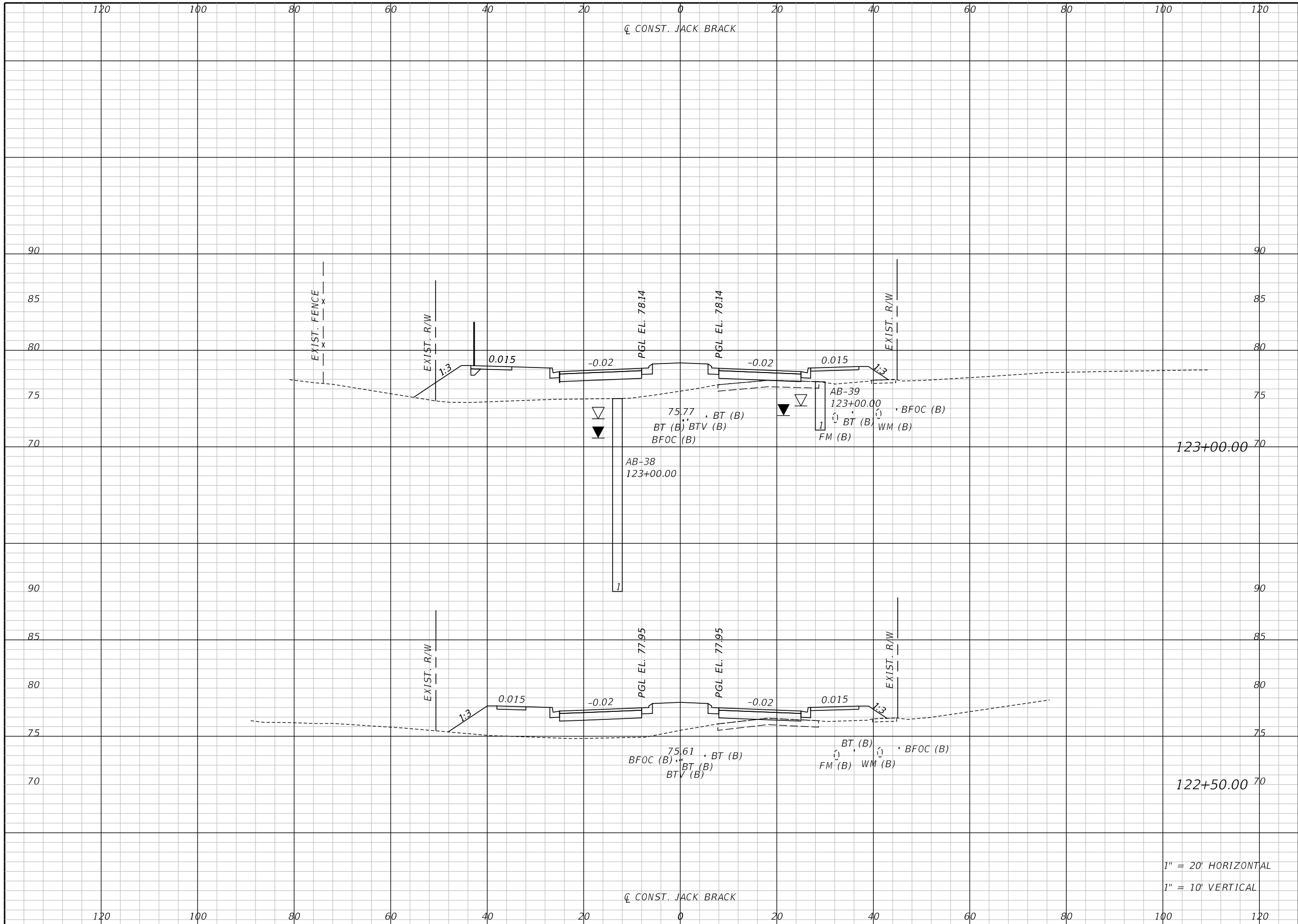
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
208

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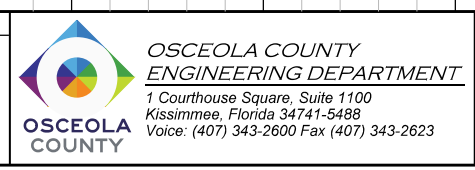
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

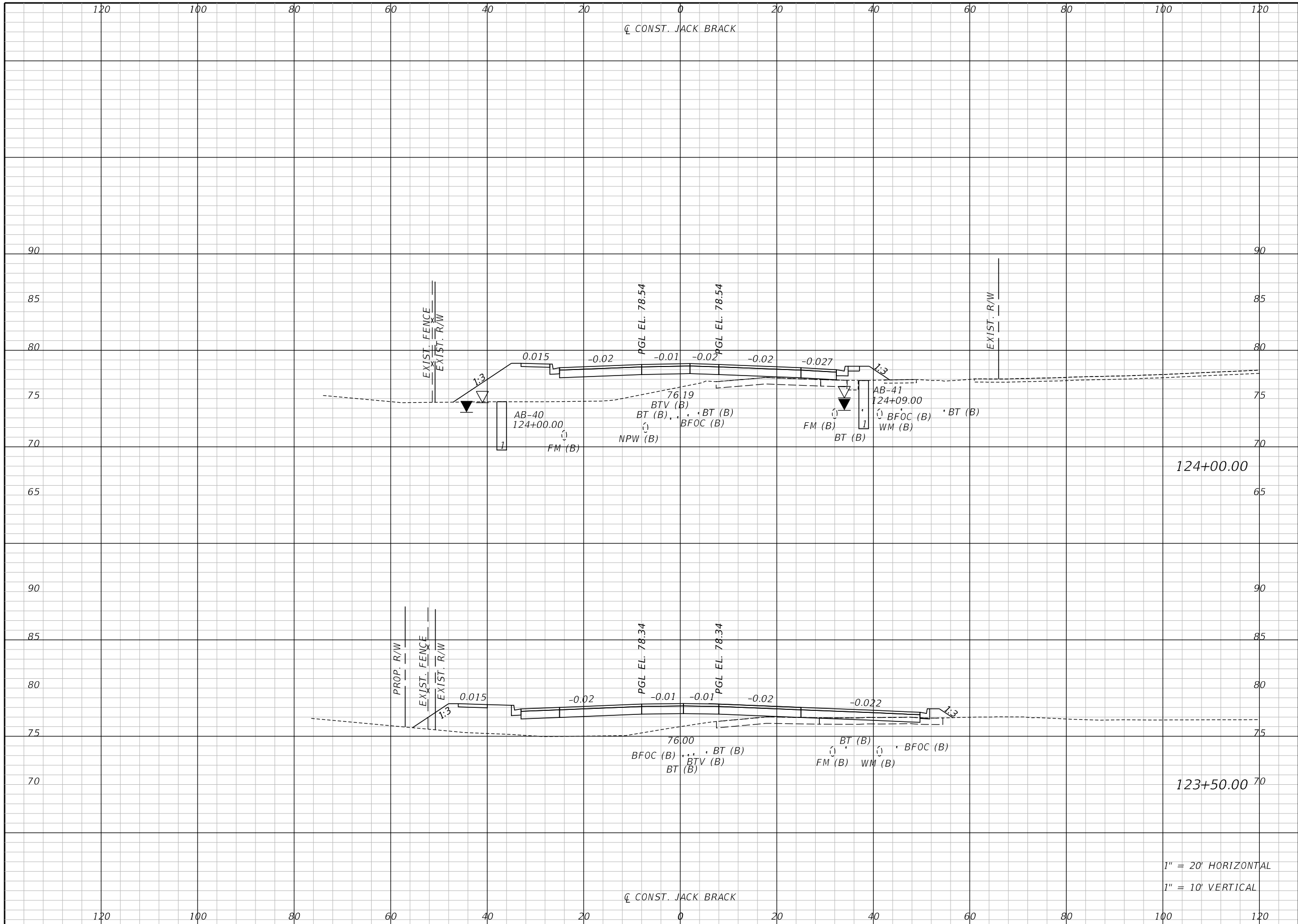
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
209

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	A	V

124+00.00


123+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

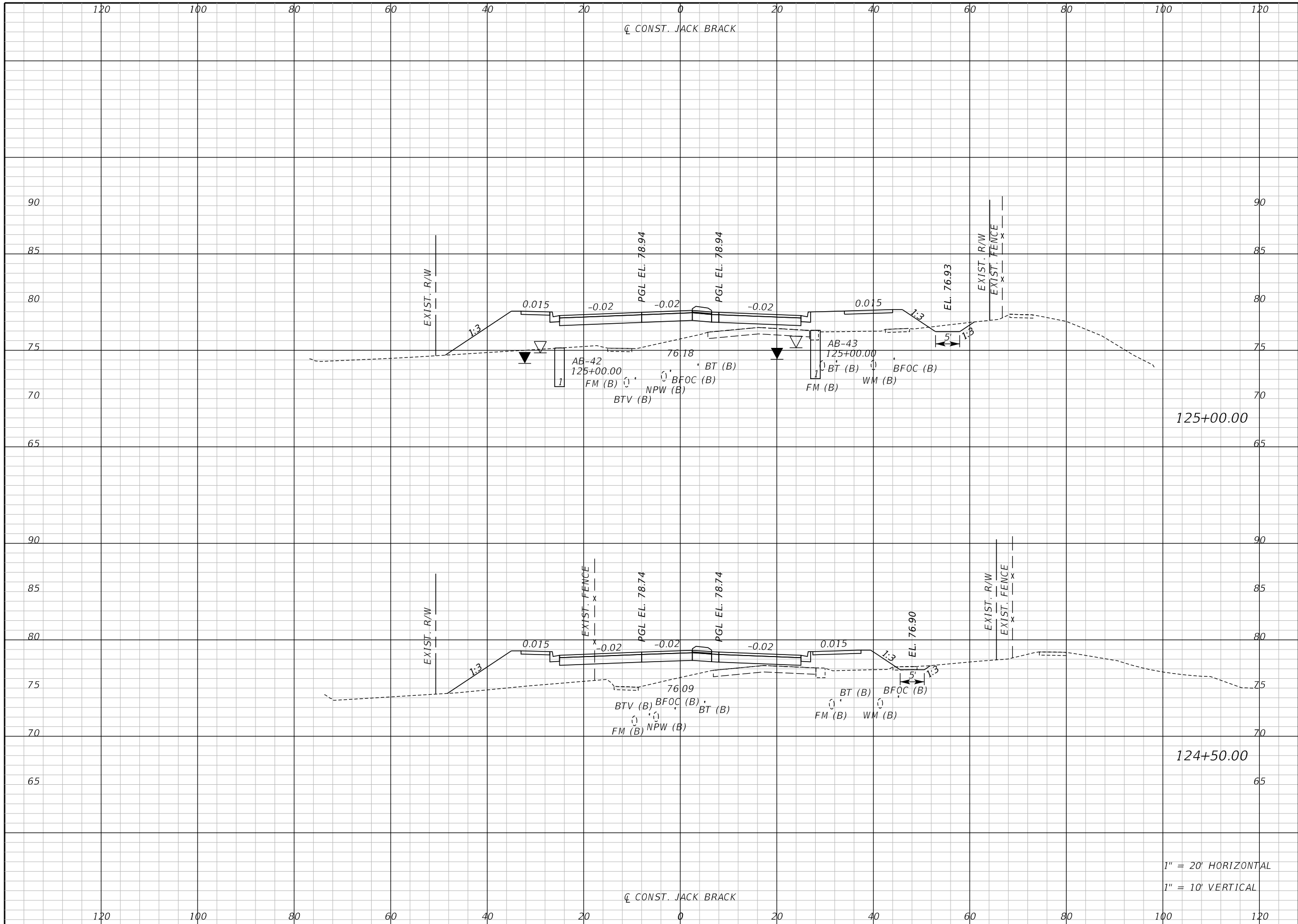


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
210

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Regular		Exc.		Embankment	
A	V	A	V	A	V

125+00.00

124+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

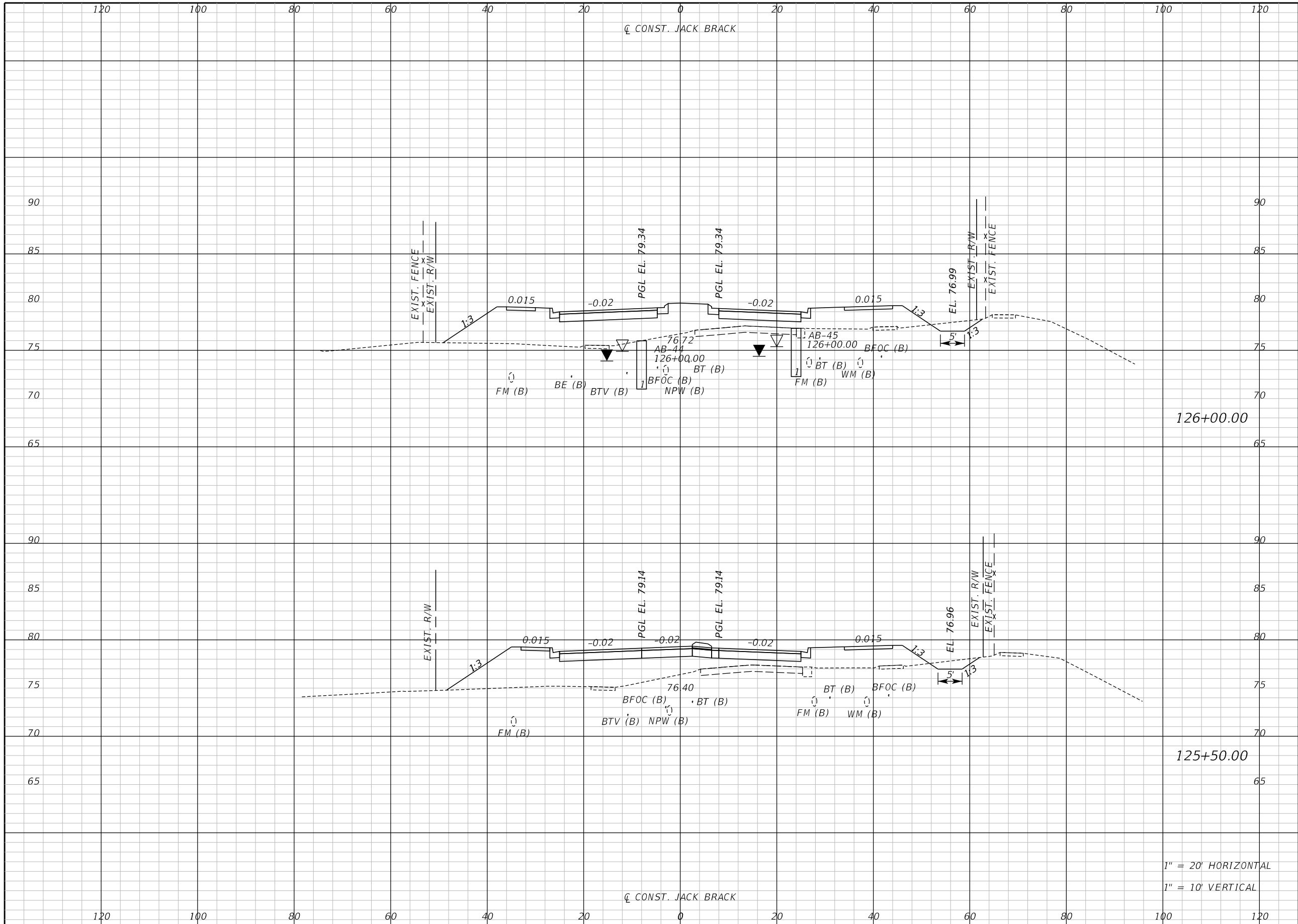
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
211

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Regular		Exc.		Embankment	
A	V	A	V	A	V

126+00.00


125+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

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Oviedo, Florida 32765

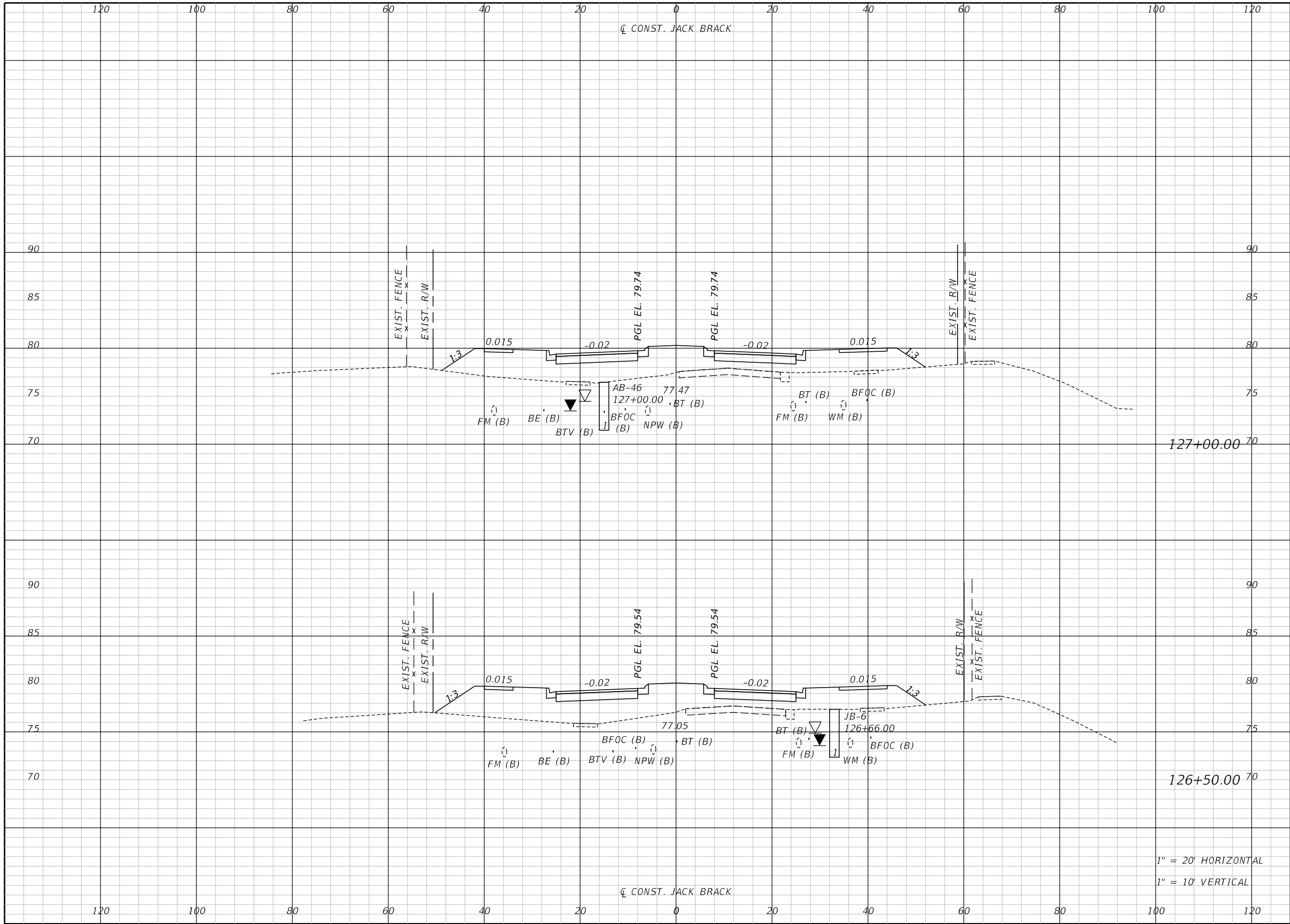


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CROSS SECTIONS

SHEET NO.
212

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

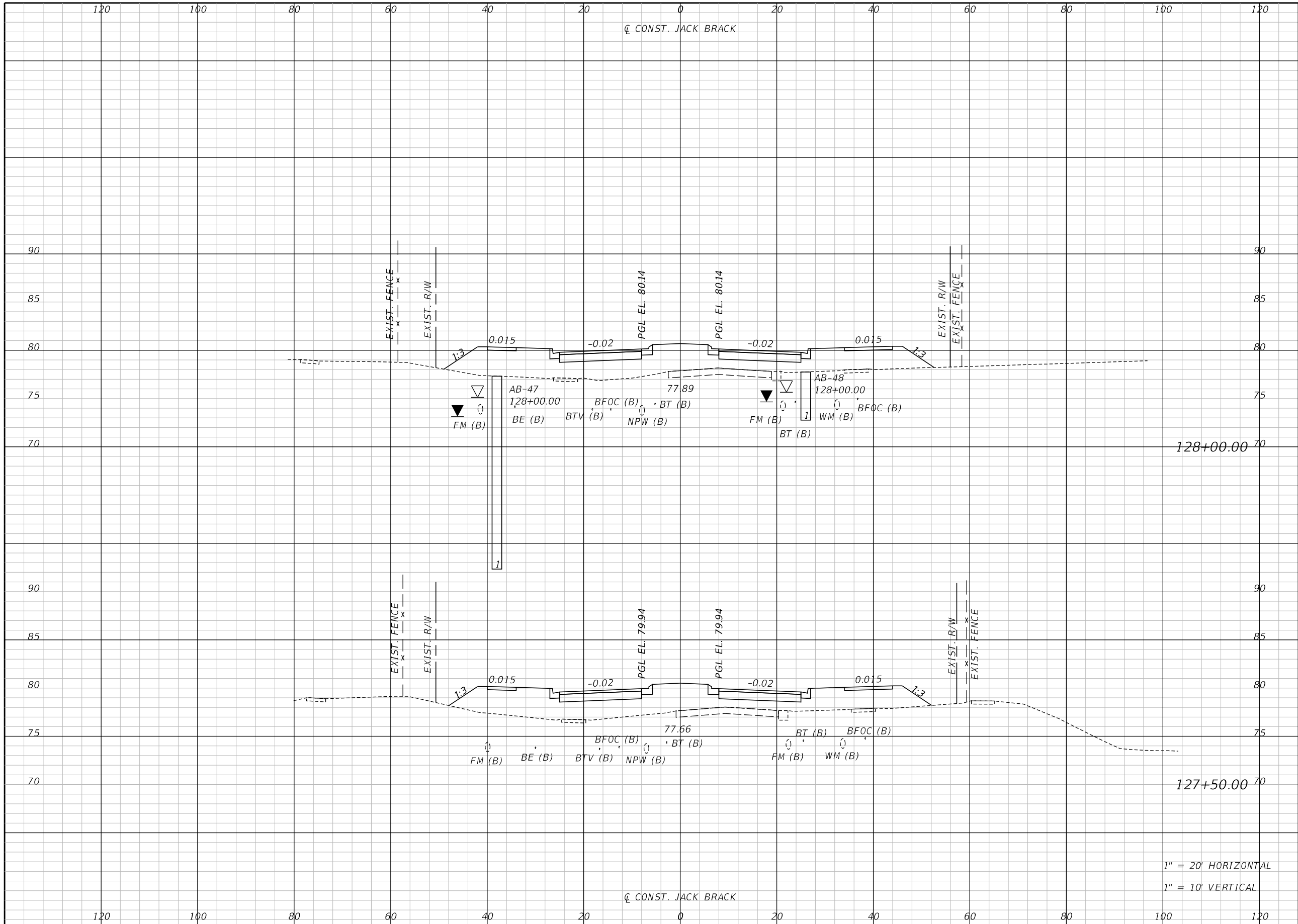
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
213

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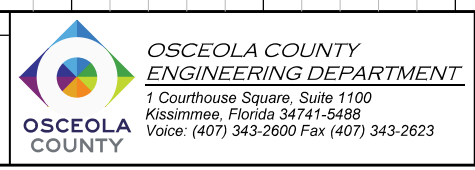
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

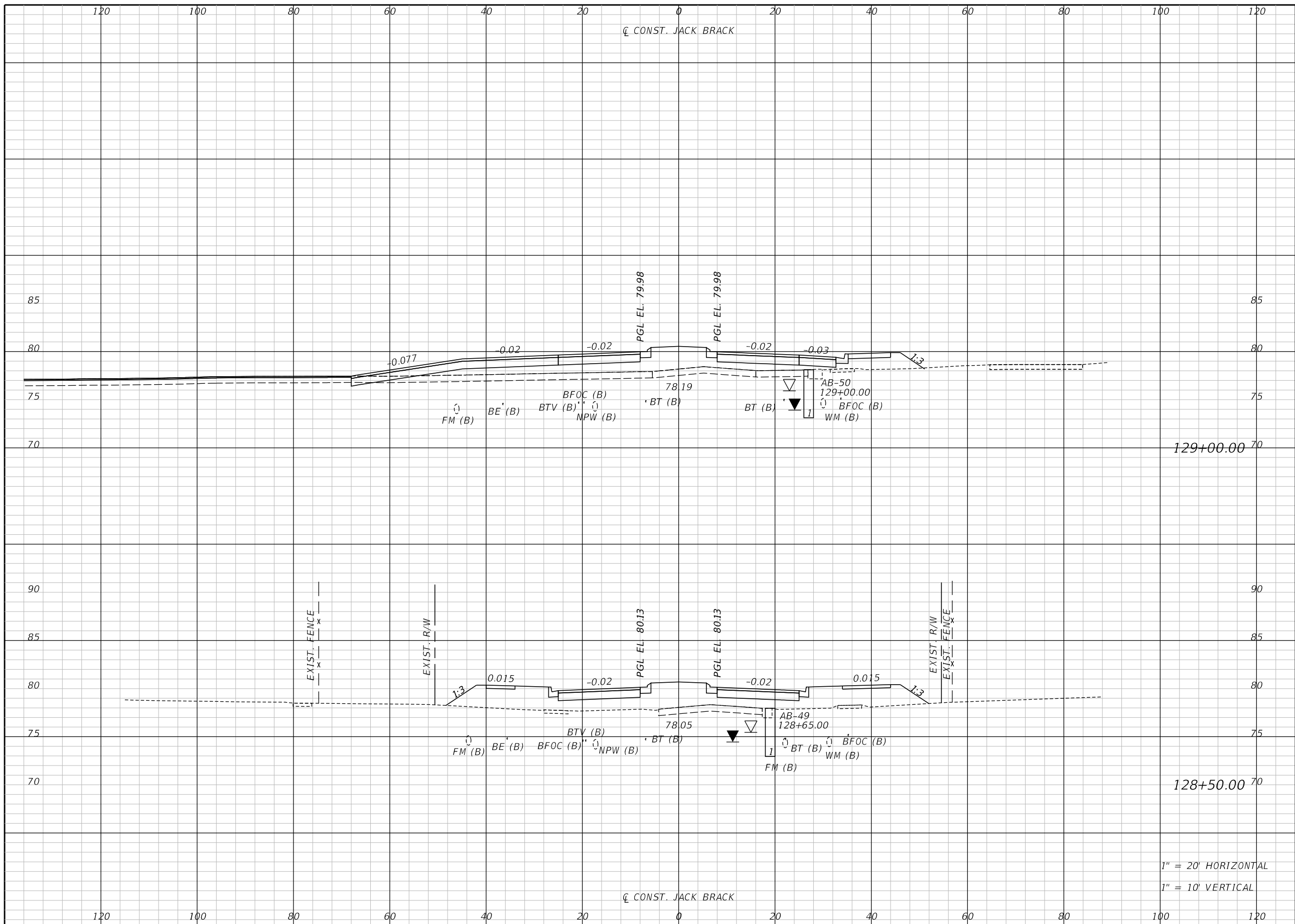
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
214

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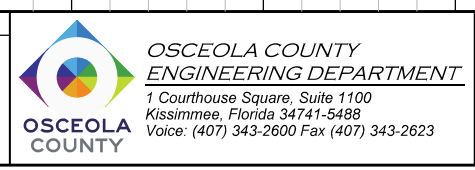
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

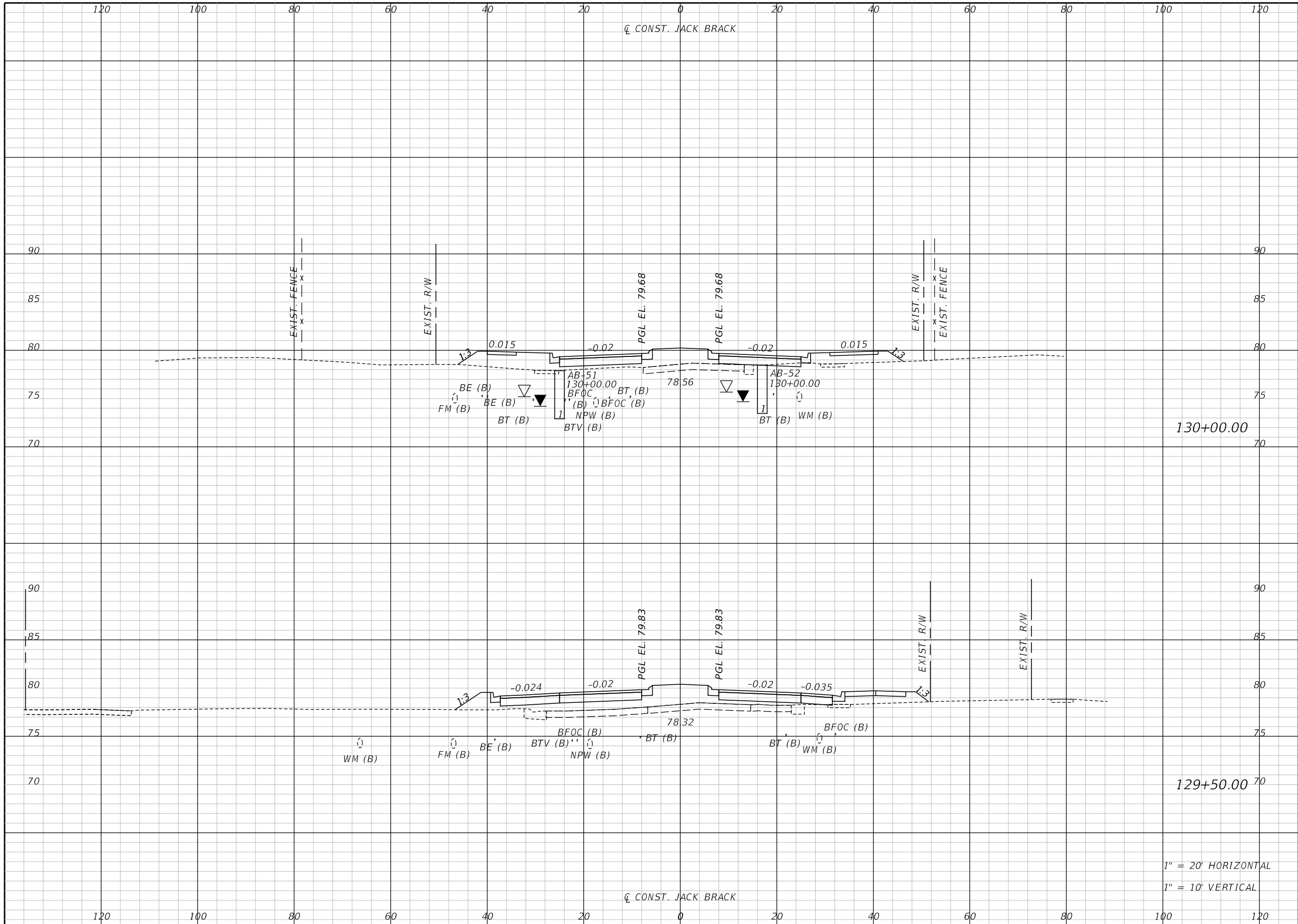
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
215

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Regular		Exc.		Embankment	
A	V	A	V	A	V

130+00.00

129+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

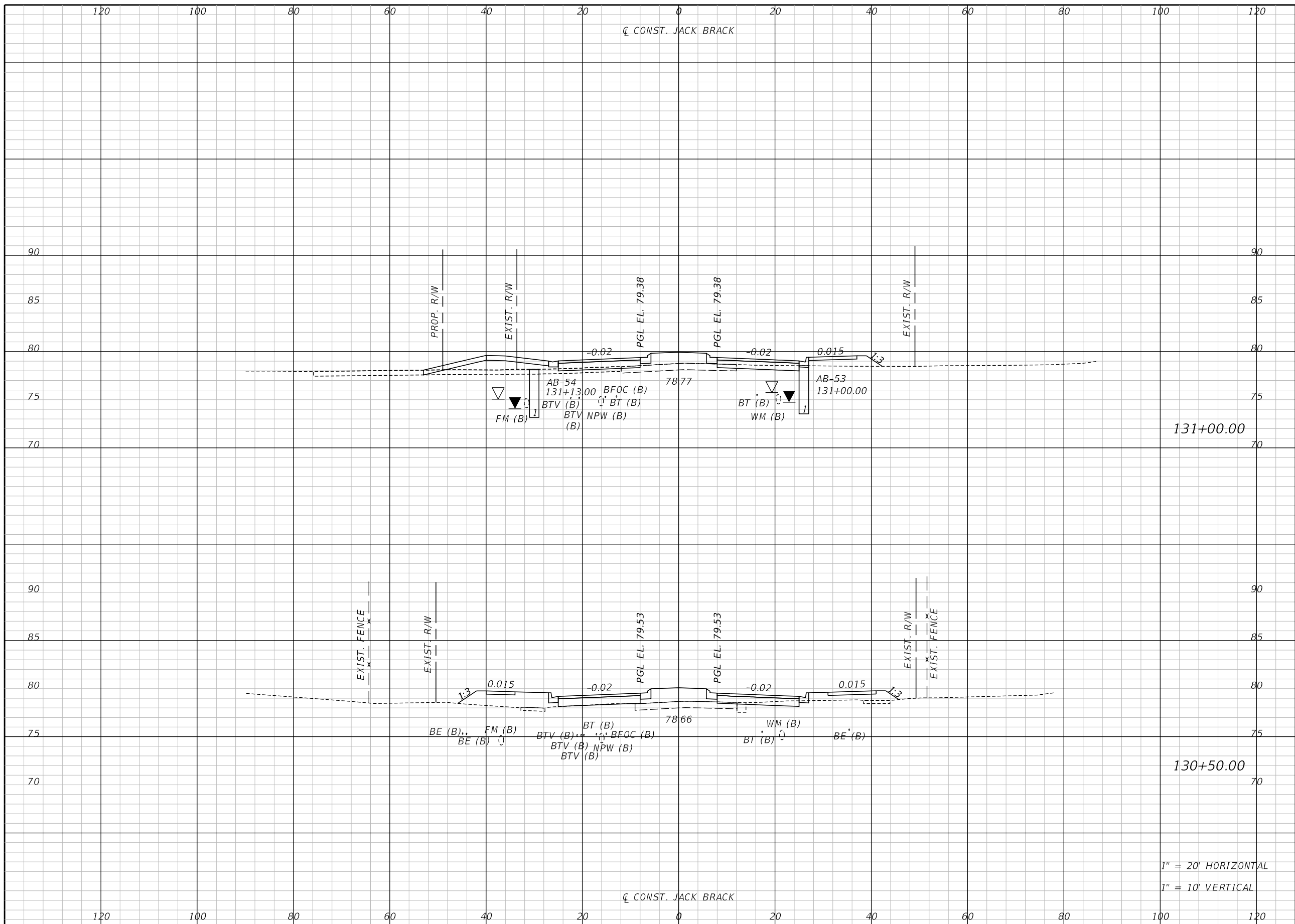
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
216

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Regular		Exc.		Embankment	
A	V	A	V	A	V

131+00.00


130+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
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**JACK BRACK ROAD
WIDENING**

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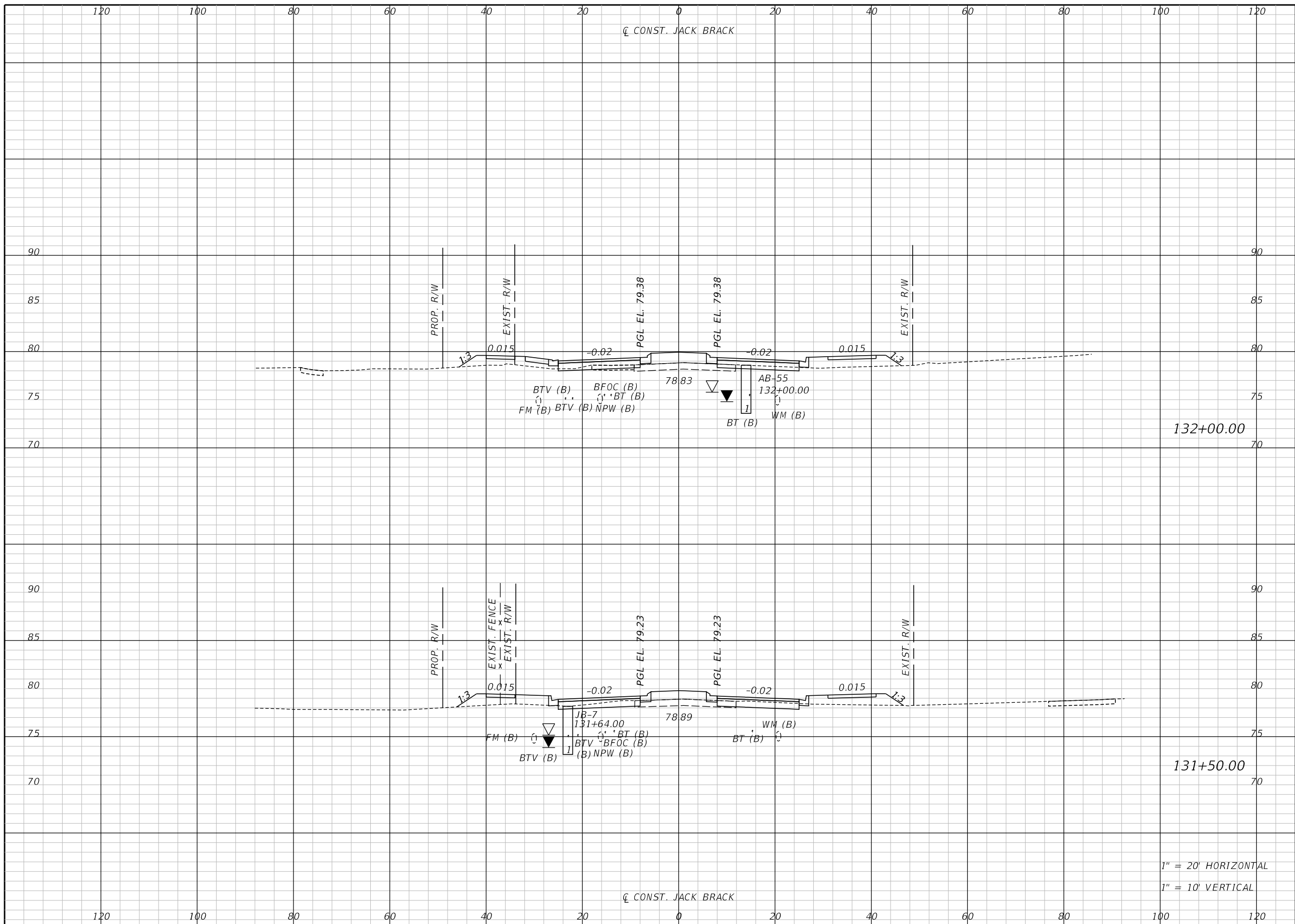


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CROSS SECTIONS

SHEET
NO.
217

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Regular		Exc.		Embankment	
A	V	A	V	A	V

132+00.00

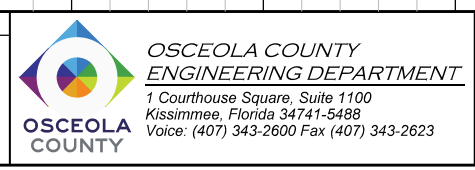
131+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

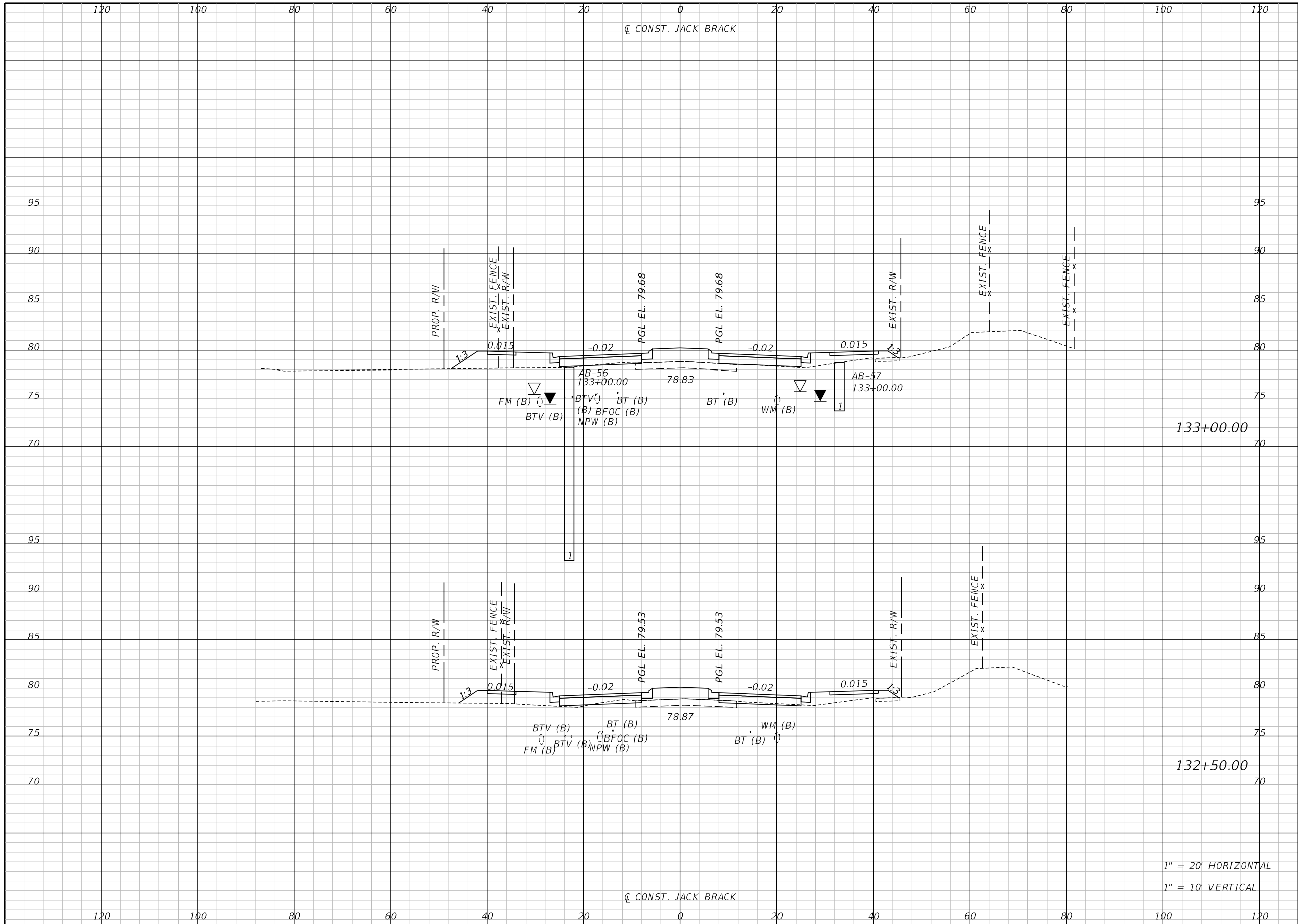
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
218

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Regular		Exc.		Embankment	
A	V	A	V	A	V

133+00.00

132+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

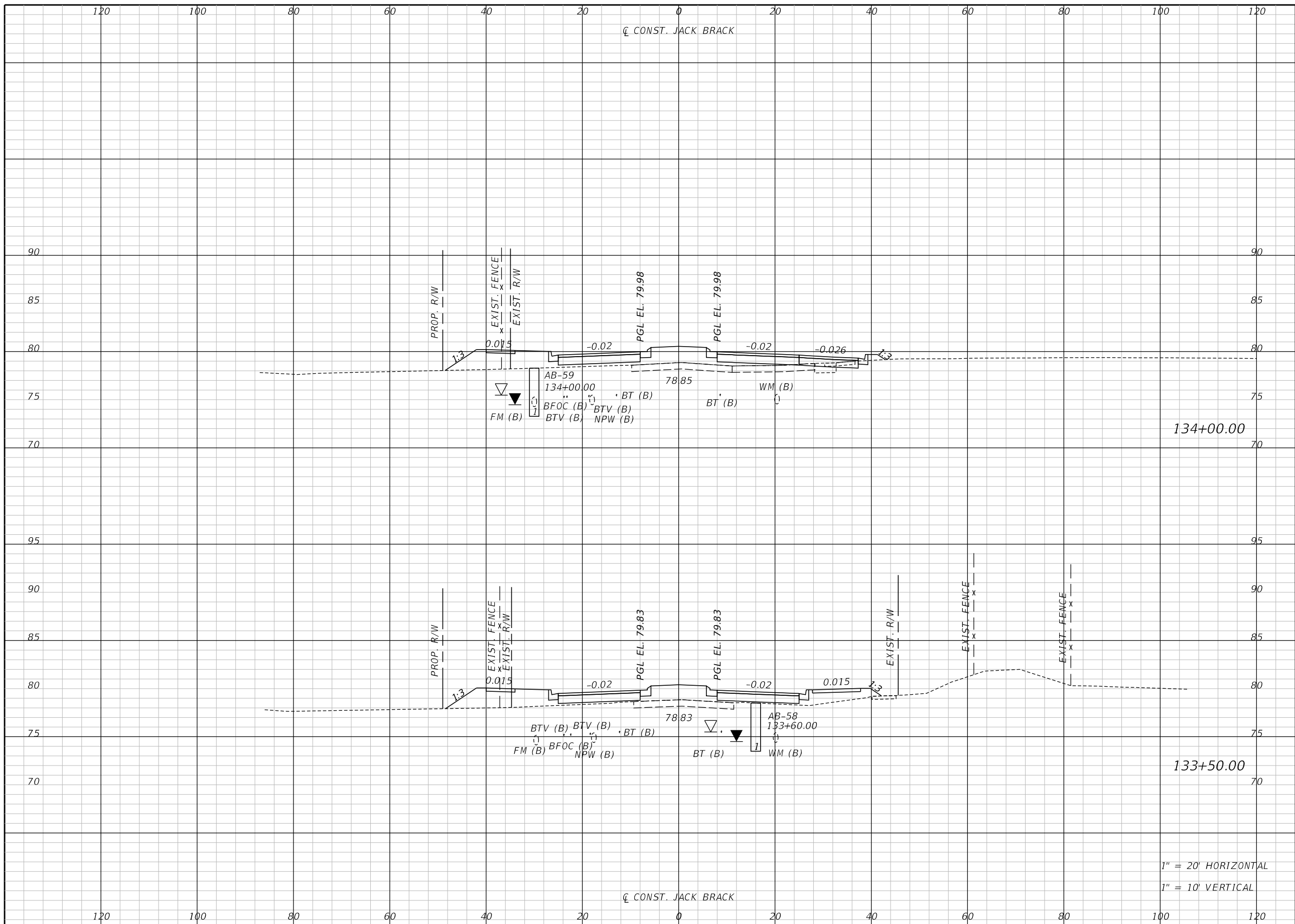
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
219

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Regular		Exc.		Embankment	
A	V	A	V	A	V

134+00.00

133+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

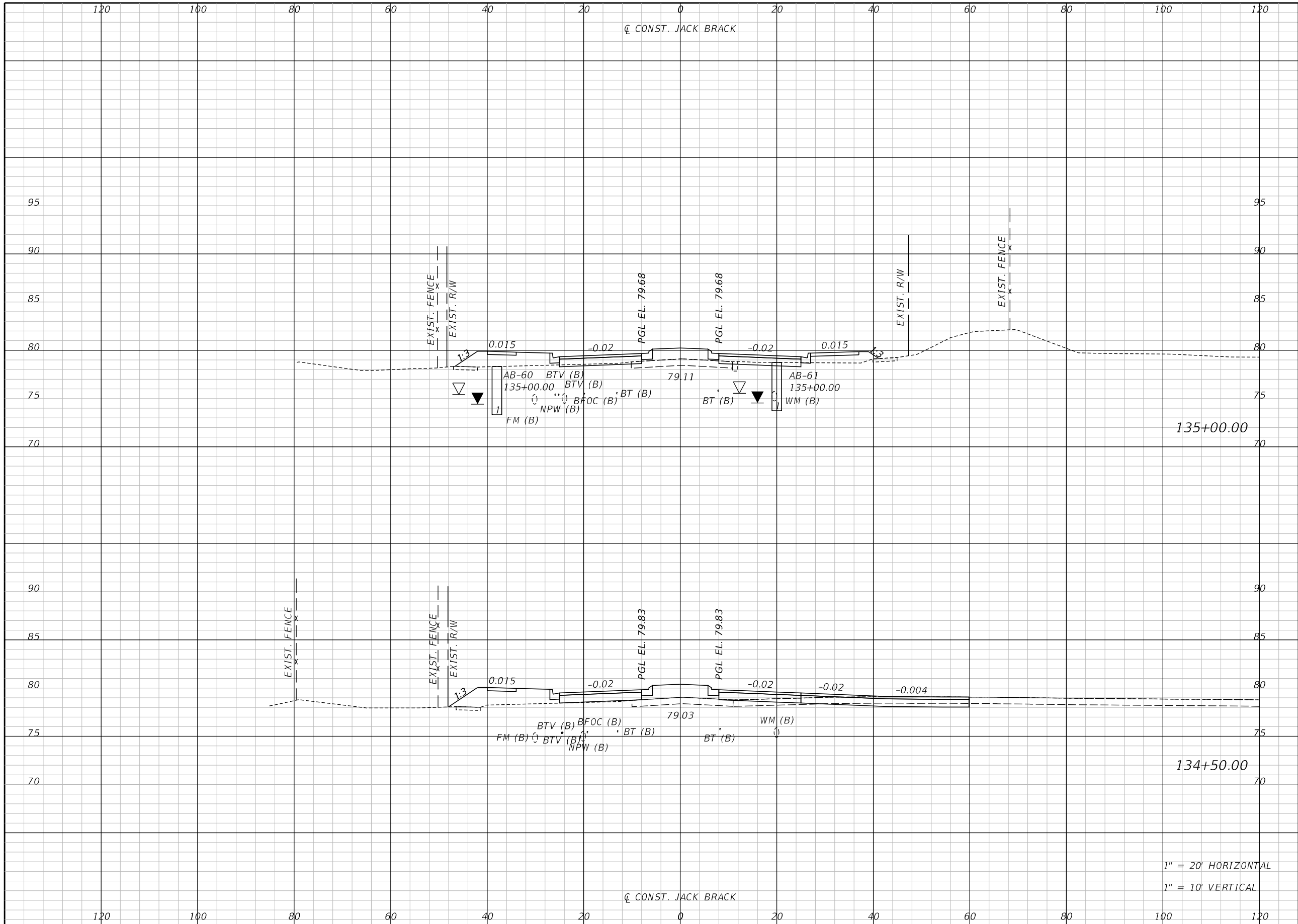
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
220

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Regular		Exc.		Embankment	
A	V	A	V	A	V

135+00.00

134+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

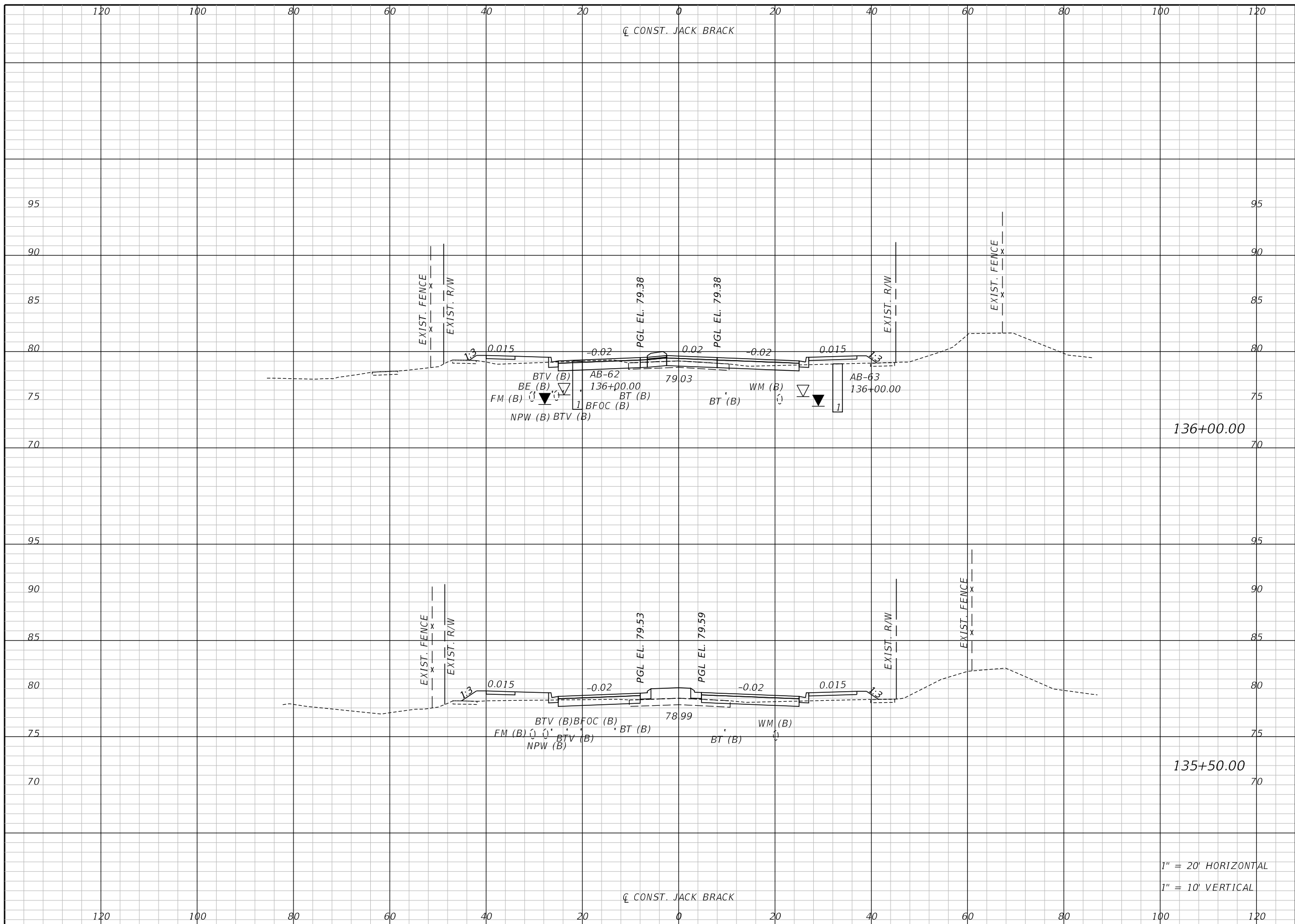
ENGINEER OF RECORD
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SHEET NO.
221

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Regular		Exc.		Embankment	
A	V	A	V	A	V

136+00.00

135+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

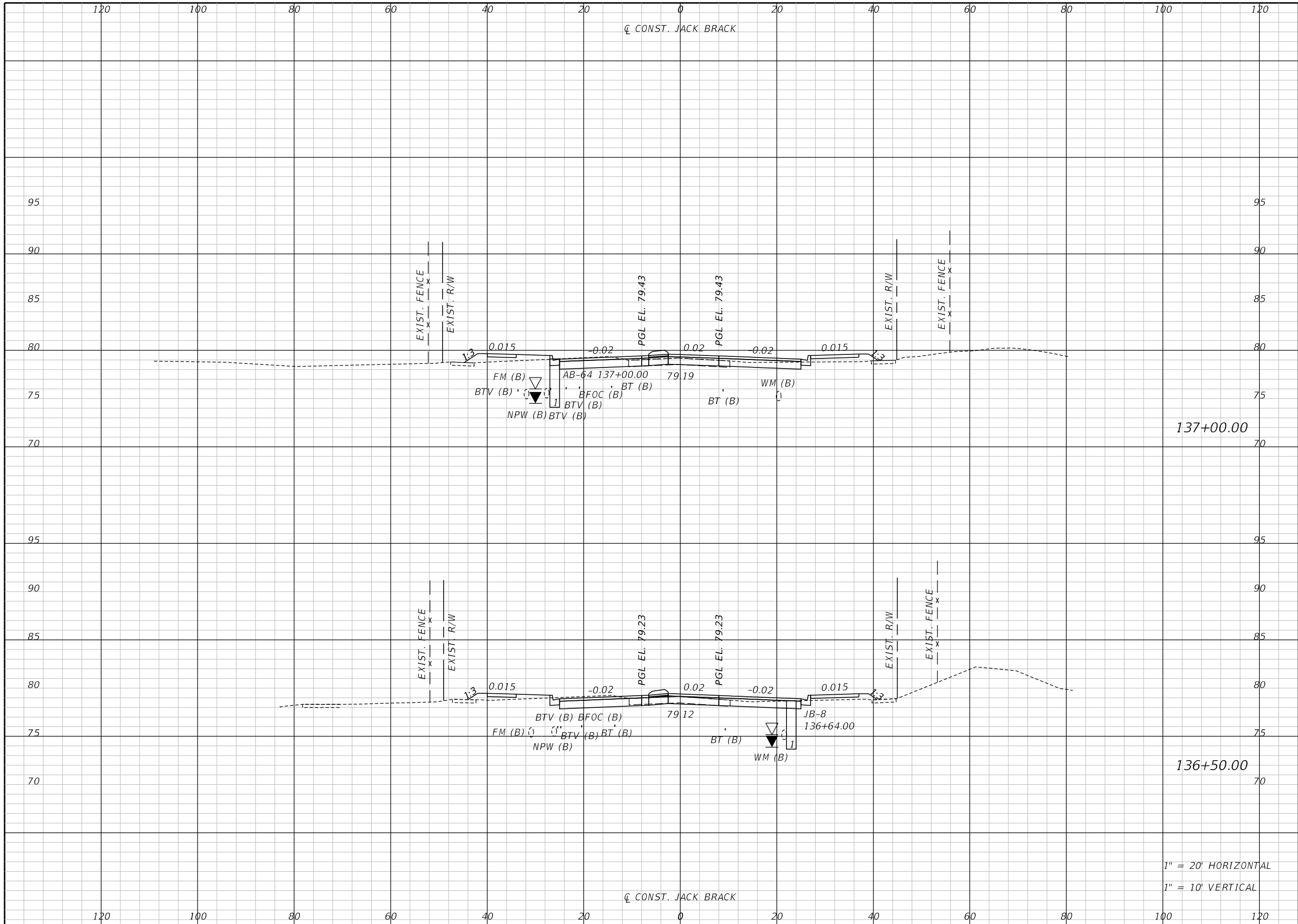
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V

137+00.00

136+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

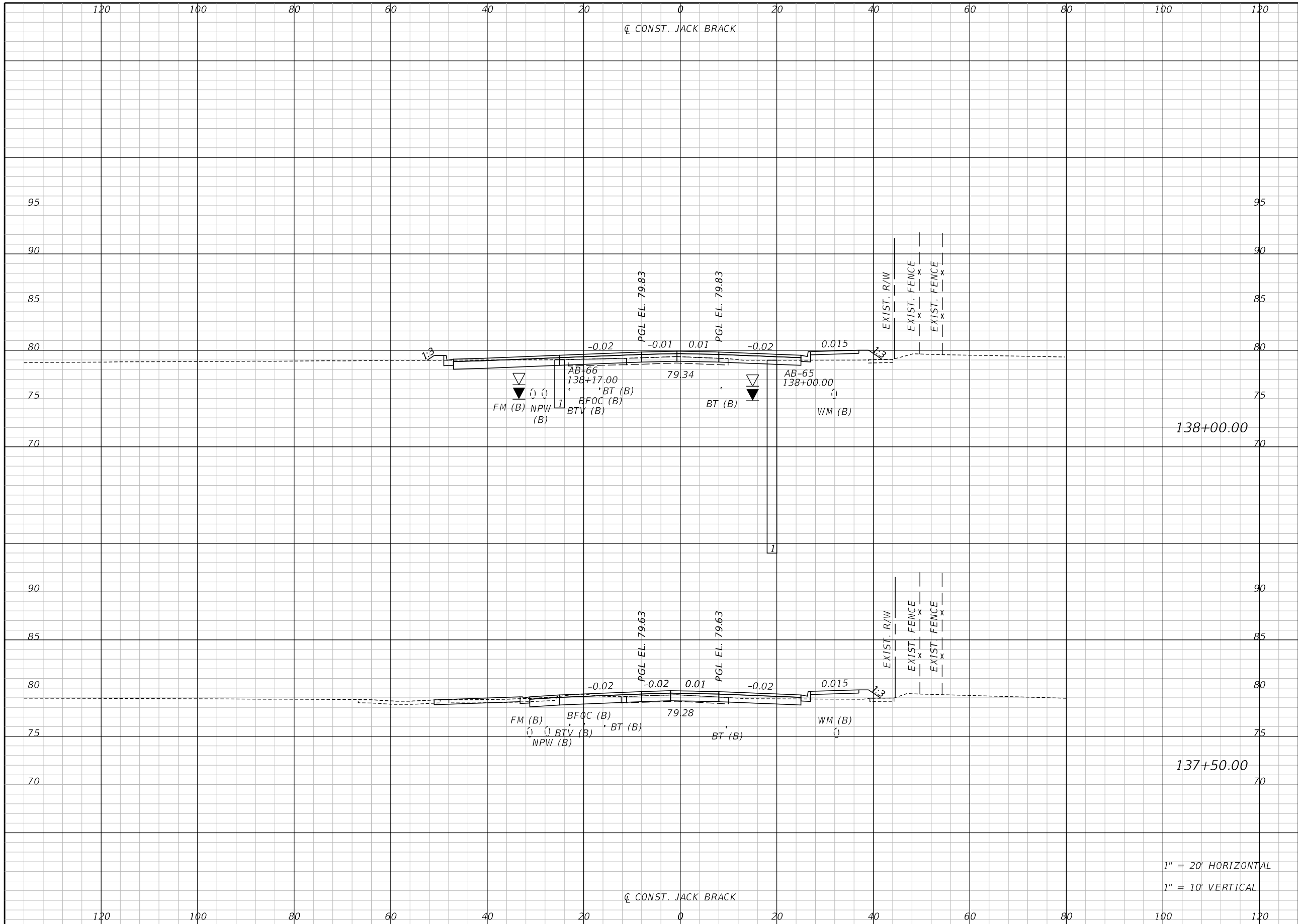
ENGINEER OF RECORD
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Regular		Exc.		Embankment	
A	V	A	V	A	V

138+00.00

137+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

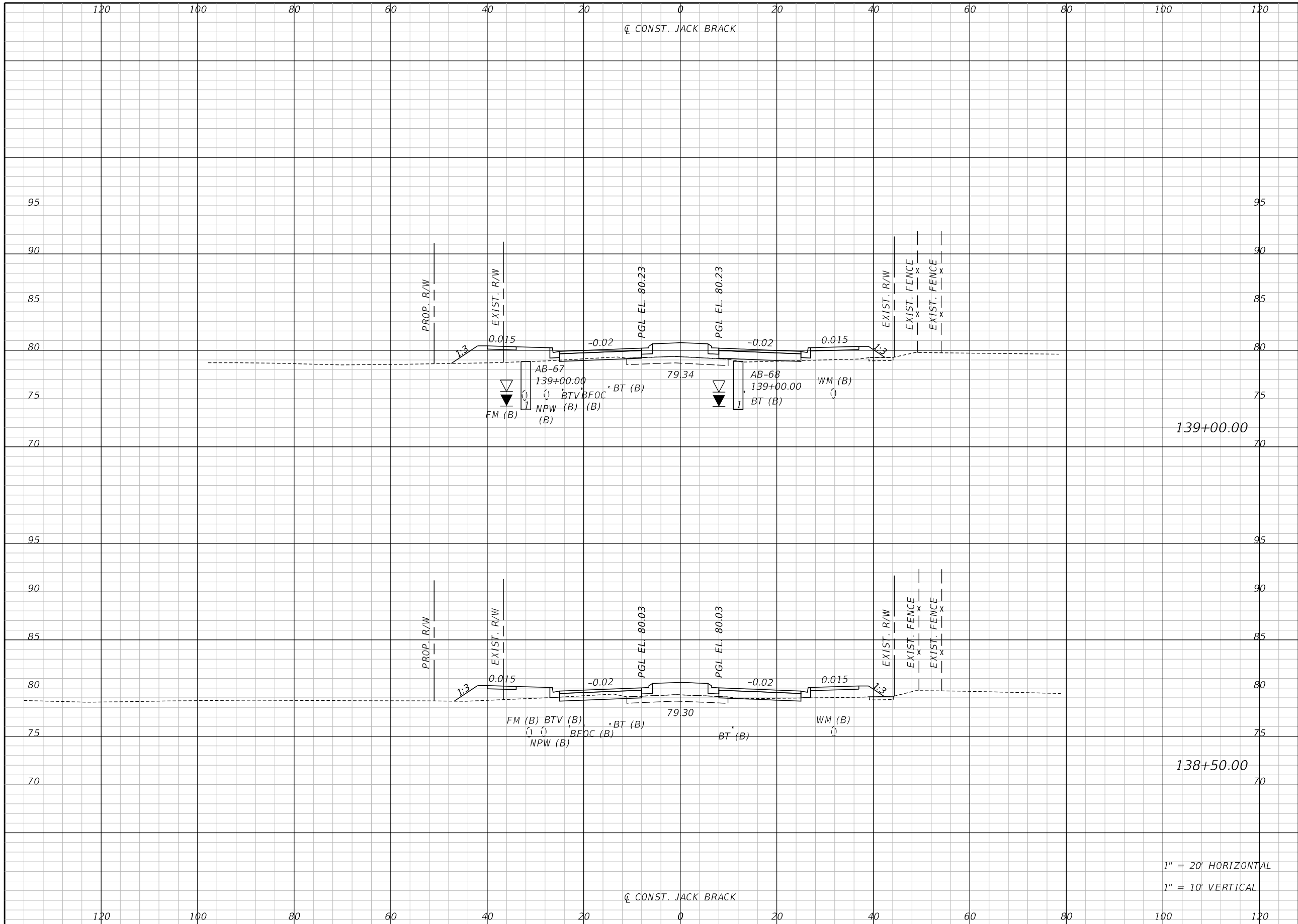
ENGINEER OF RECORD
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Regular		Exc.		Embankment	
A	V	A	V	A	V

139+00.00

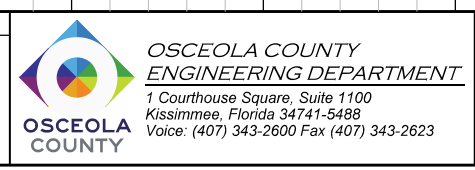
138+50.00

1" = 20' HORIZONTAL
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

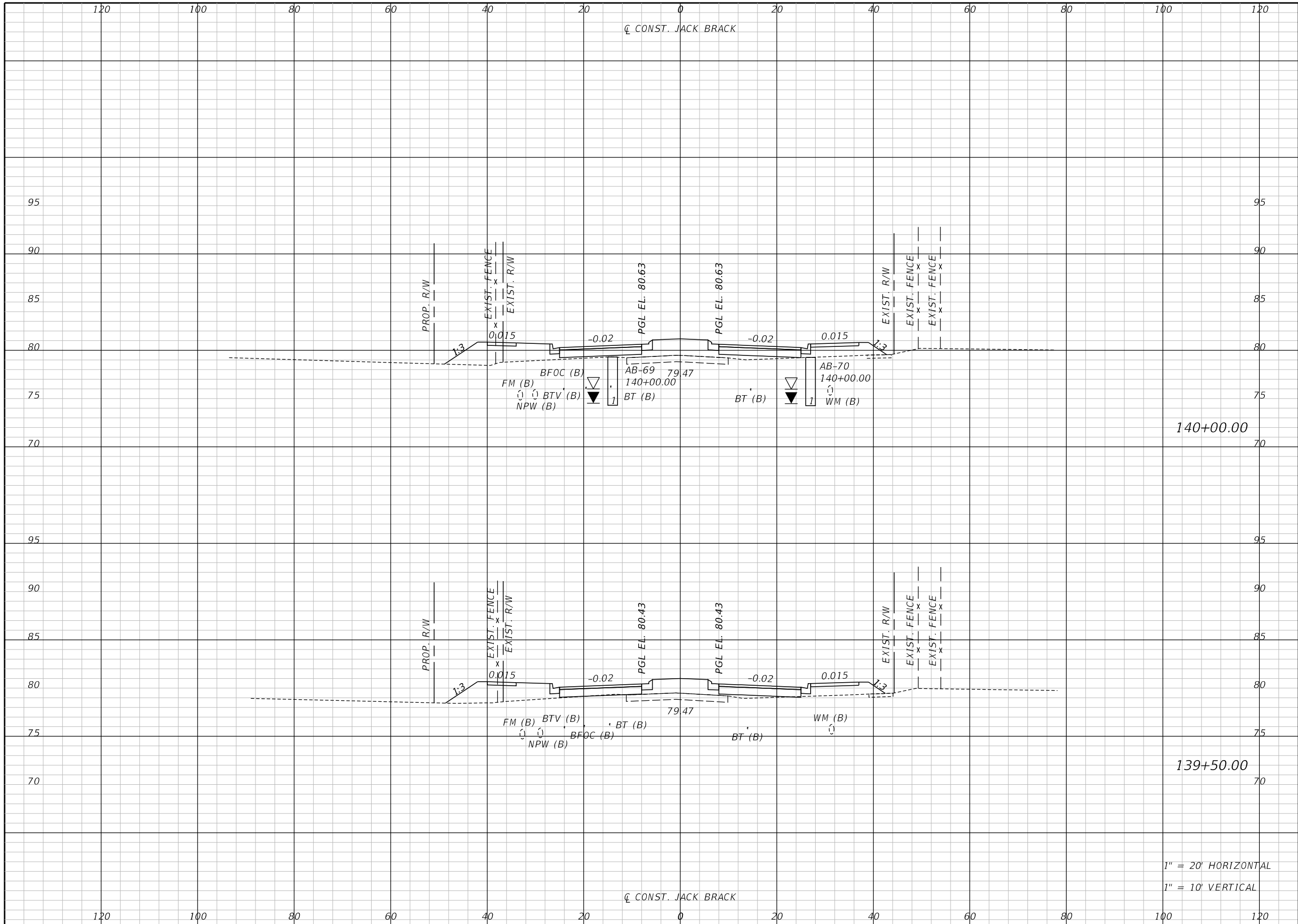
ENGINEER OF RECORD
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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

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WIDENING**

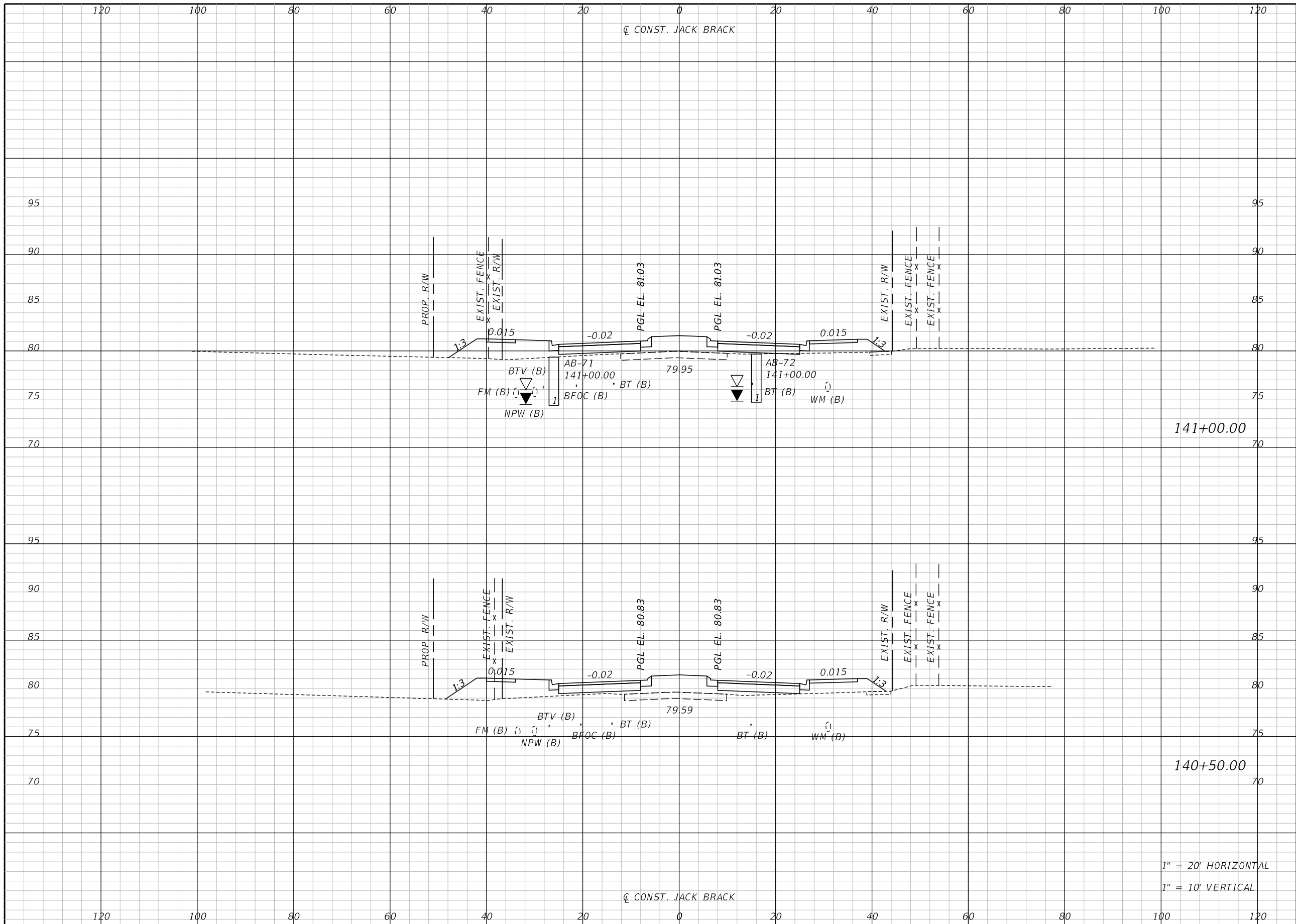
ENGINEER OF RECORD
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CROSS SECTIONS

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Regular		Exc.		Embankment	
A	V	A	V	A	V

141+00.00

140+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

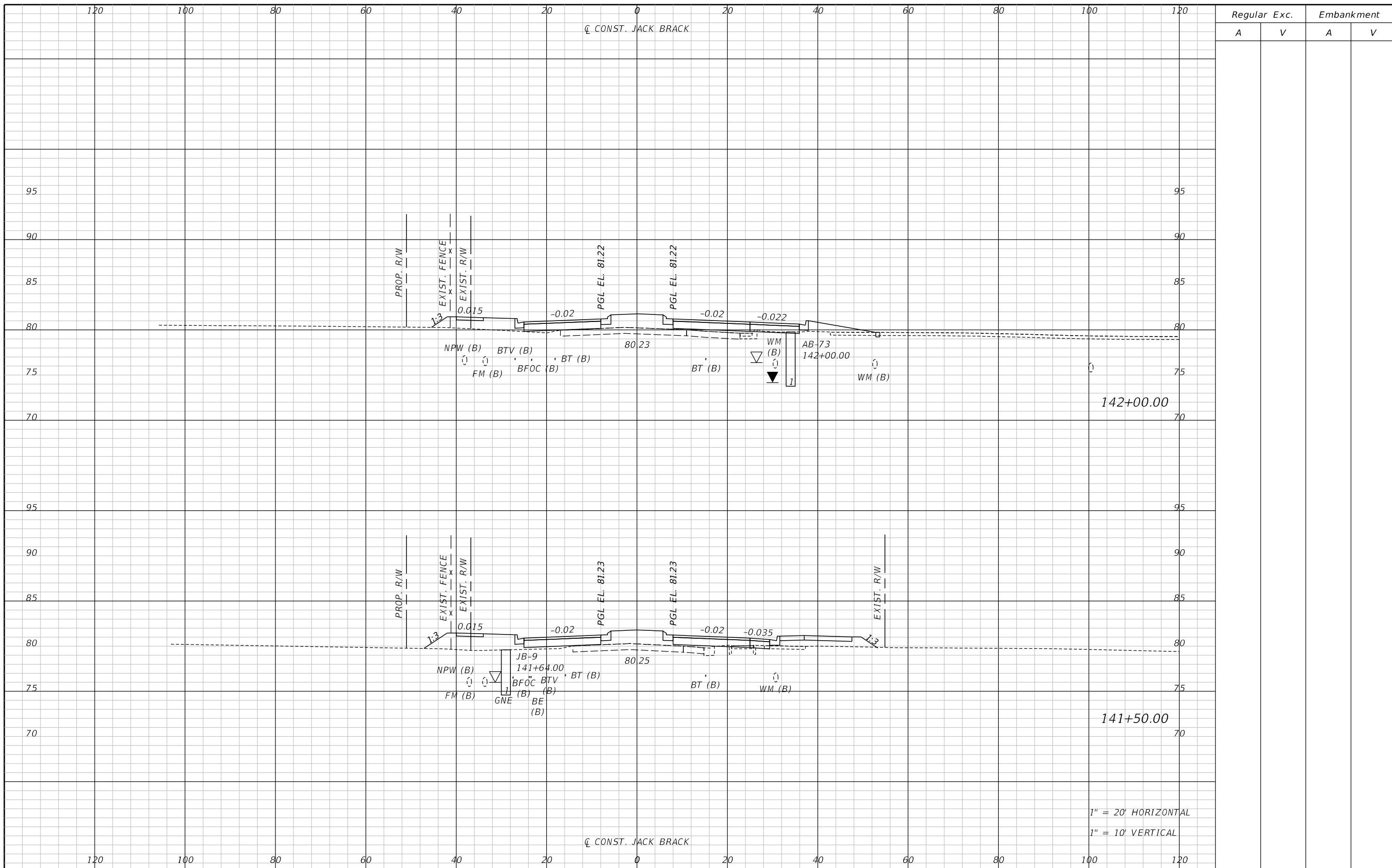
ENGINEER OF RECORD
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142+00.00


141+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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Oviedo, Florida 32765

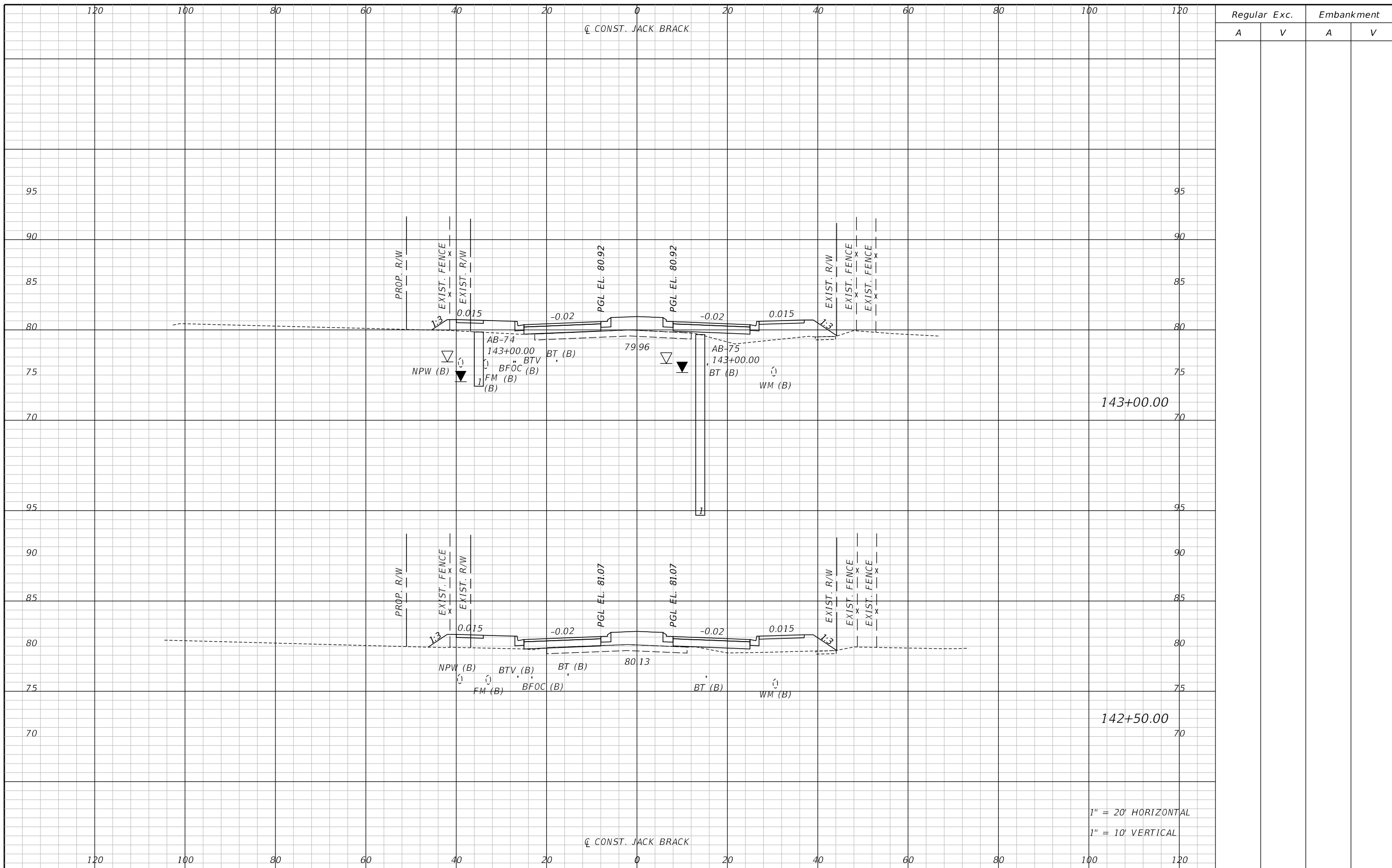


**OSCEOLA COUNTY
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1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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CROSS SECTIONS

SHEET
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Regular		Exc.		Embankment	
A	V	A	V	A	V

143+00.00

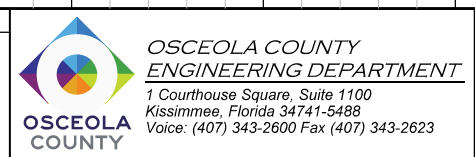
142+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
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**JACK BRACK ROAD
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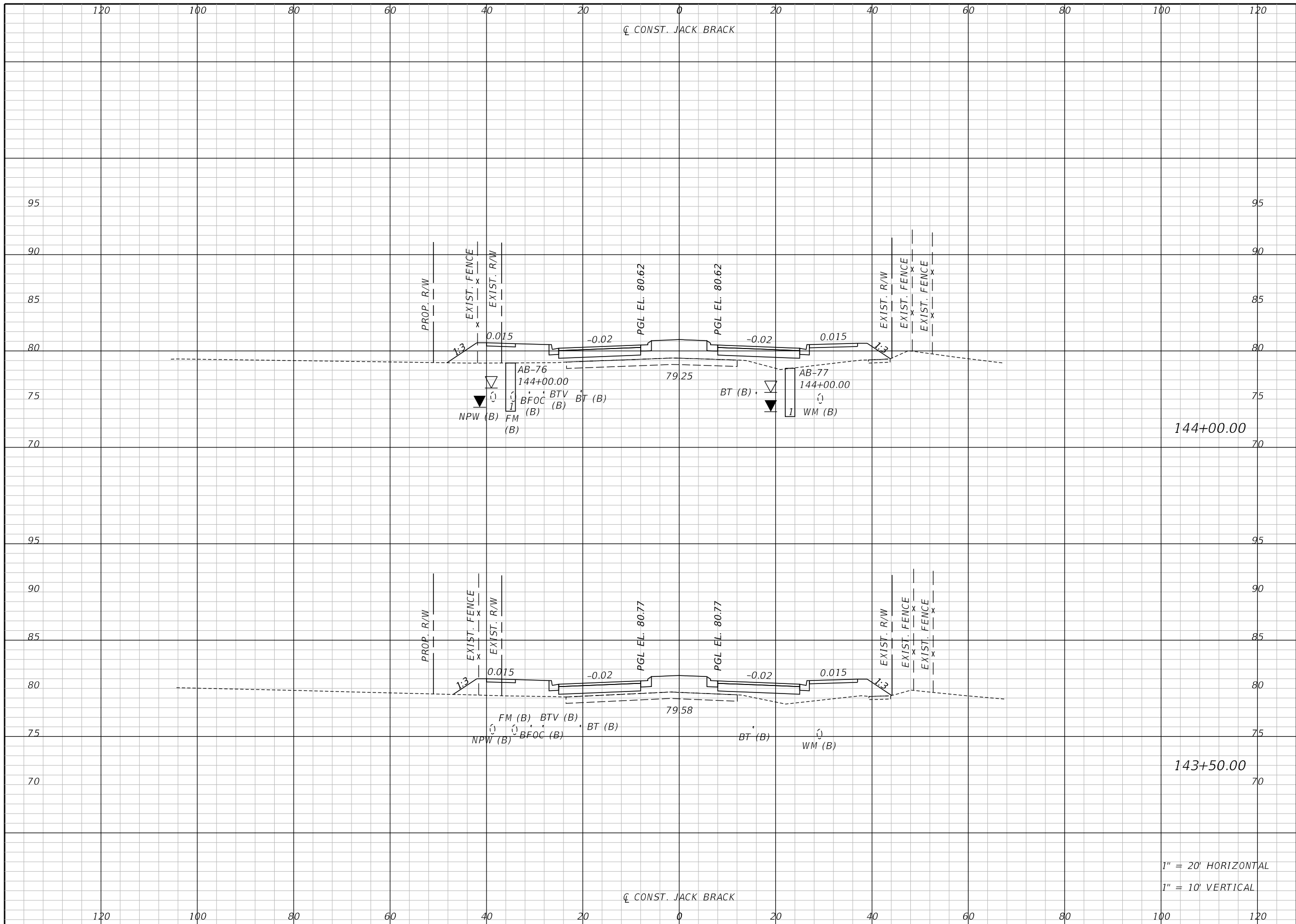
ENGINEER OF RECORD
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Regular		Exc.		Embankment	
A	V	A	V	A	V

144+00.00

143+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
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**JACK BRACK ROAD
WIDENING**

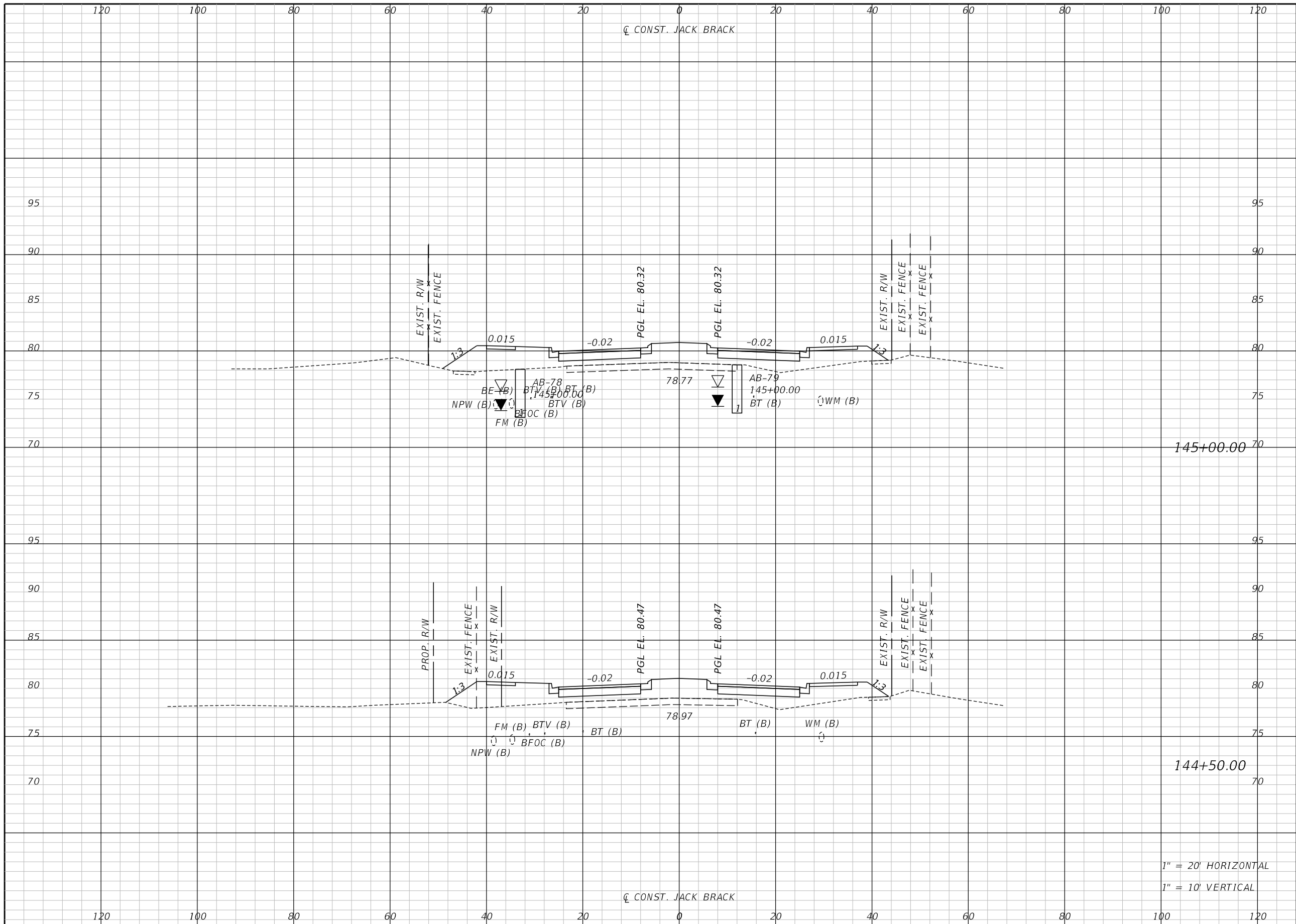
ENGINEER OF RECORD
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145+00.00

144+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

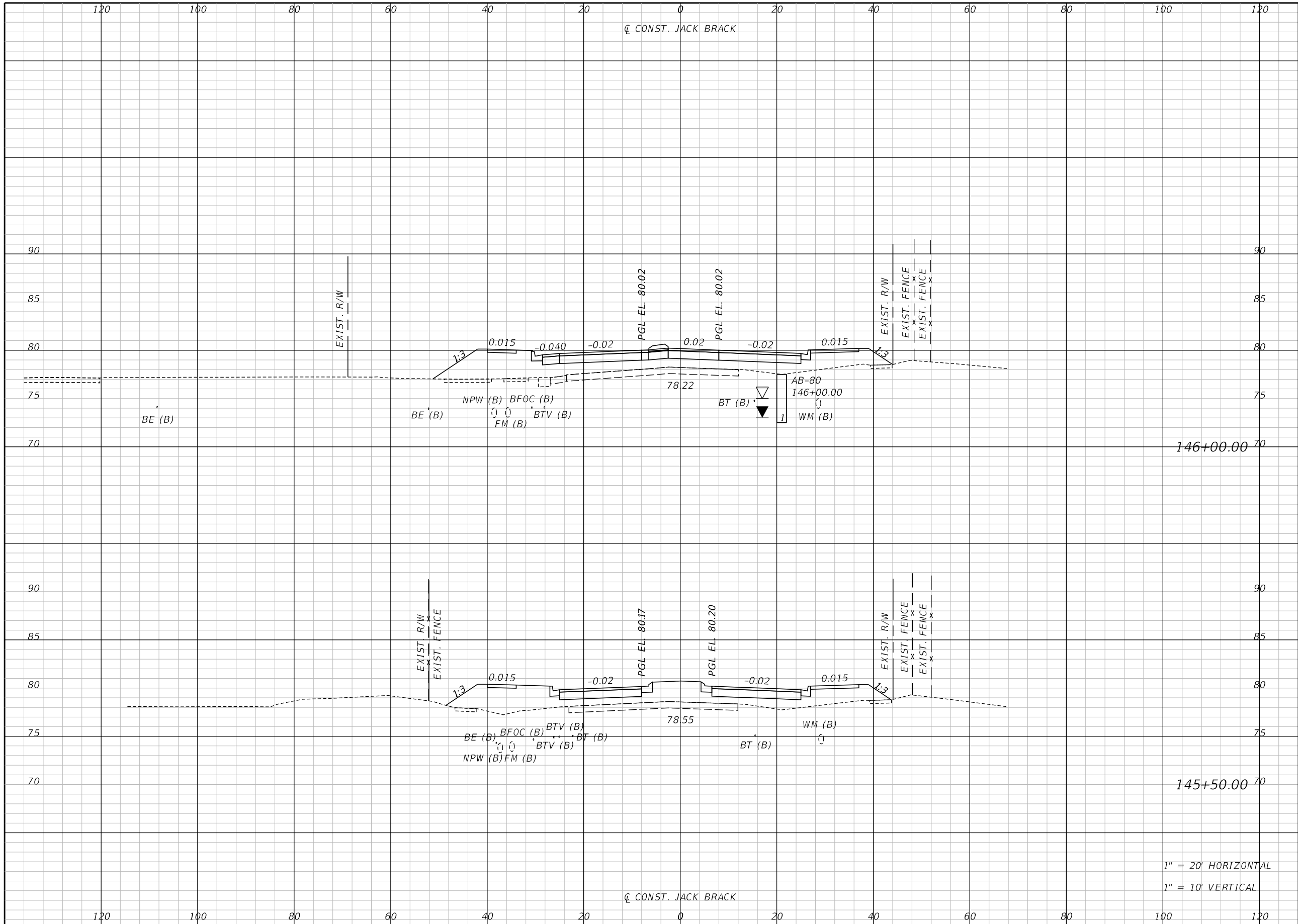
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CROSS SECTIONS

SHEET
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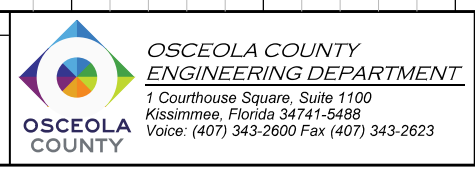
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
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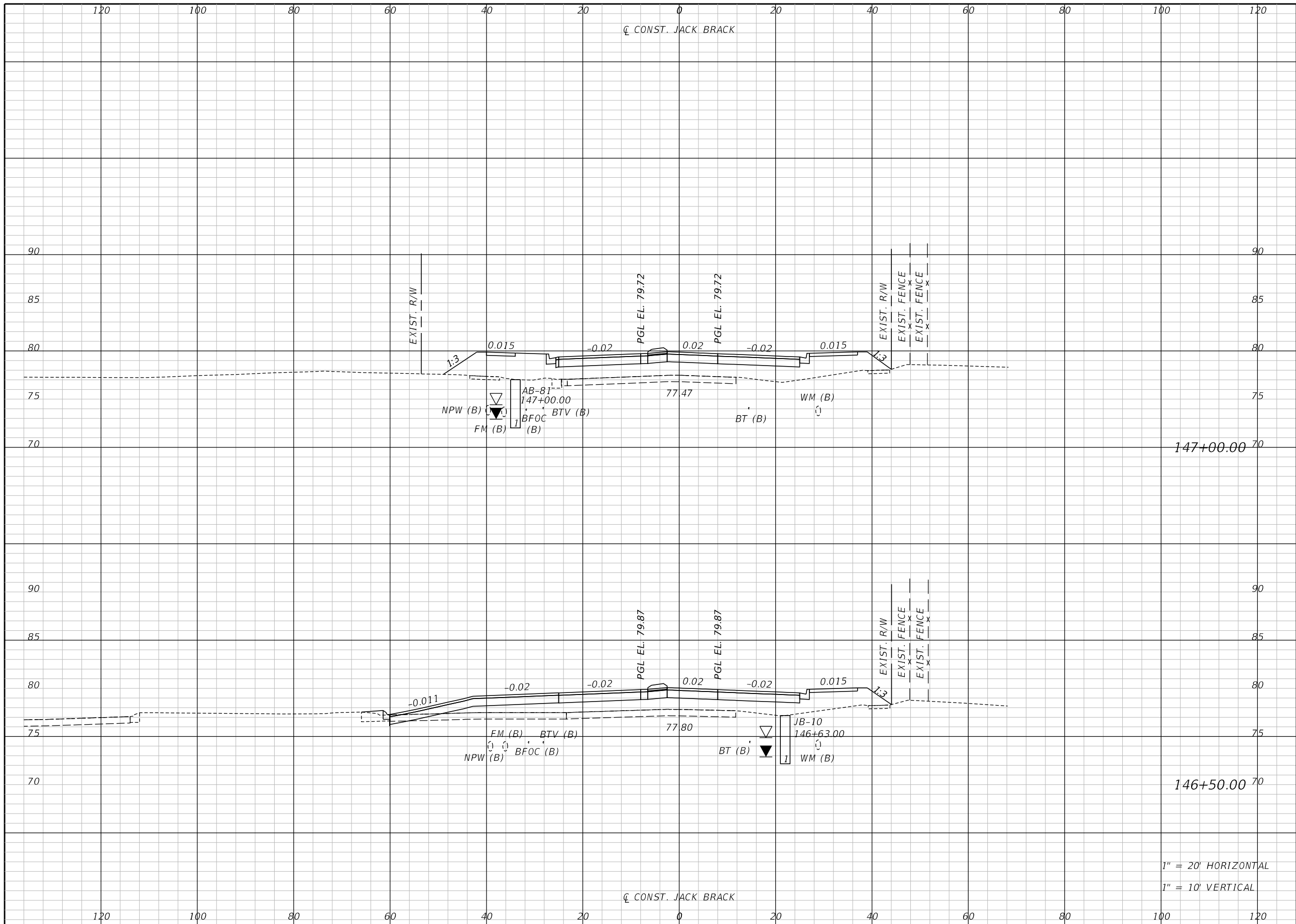
ENGINEER OF RECORD
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147+00.00

146+50.00

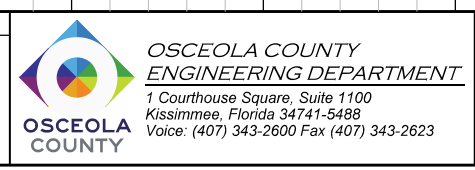
1" = 20' HORIZONTAL
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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
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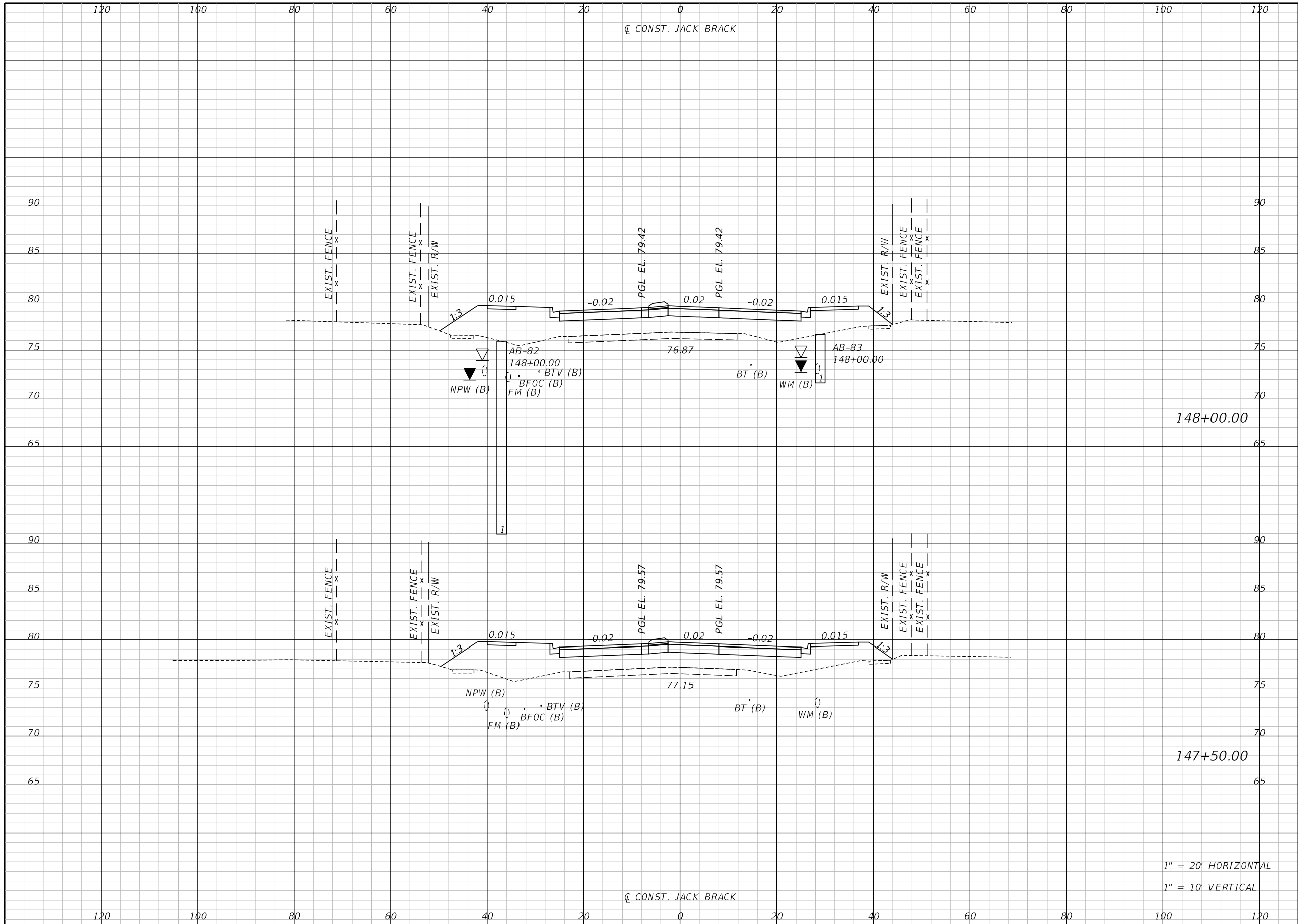
ENGINEER OF RECORD
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Regular		Exc.		Embankment	
A	V	A	V	A	V

148+00.00

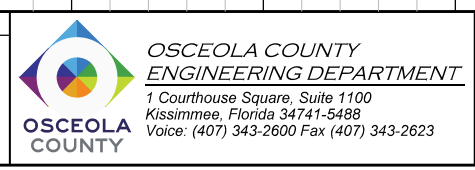
147+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

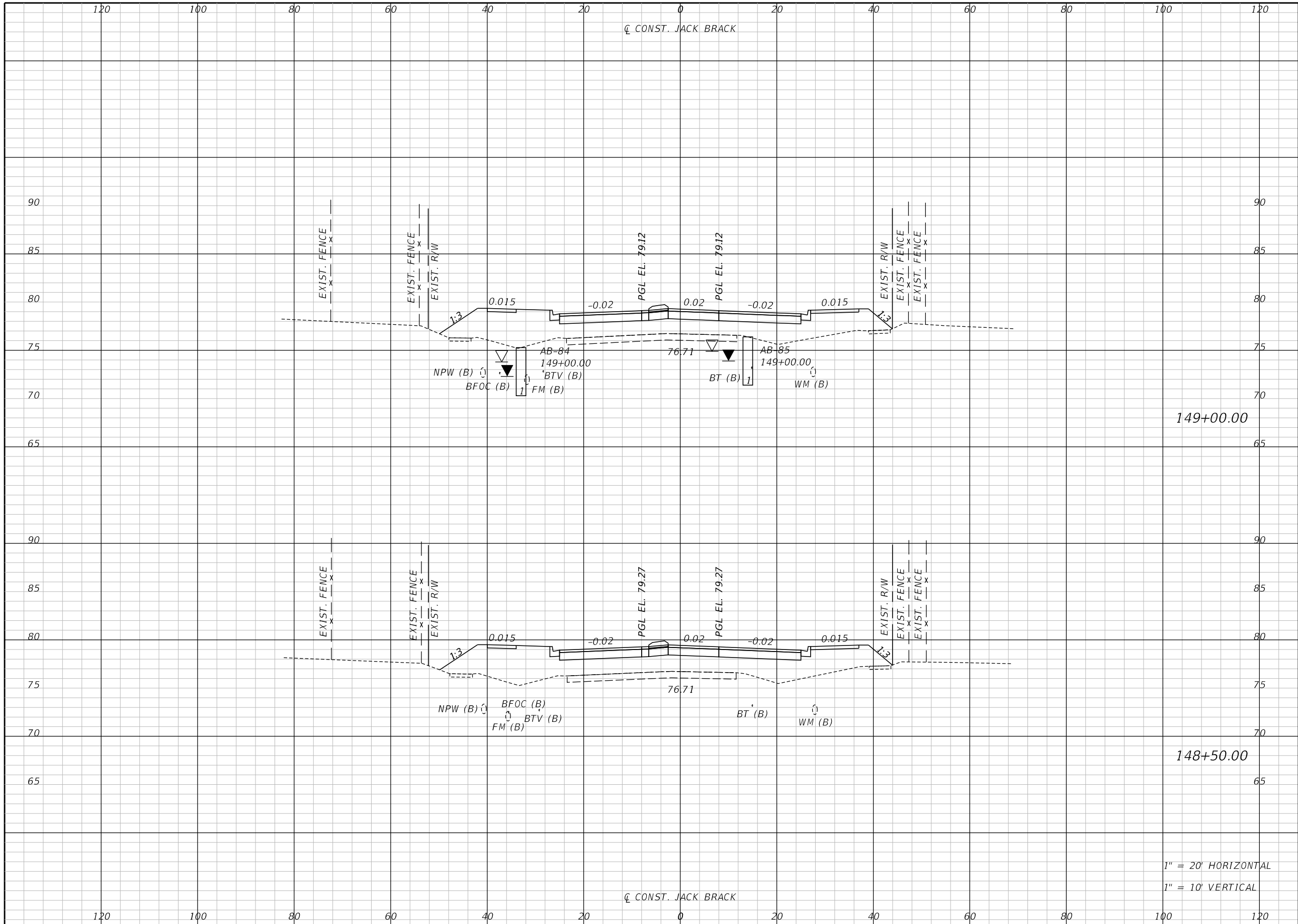
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
234

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Regular		Exc.		Embankment	
A	V	A	V	A	V

149+00.00

148+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

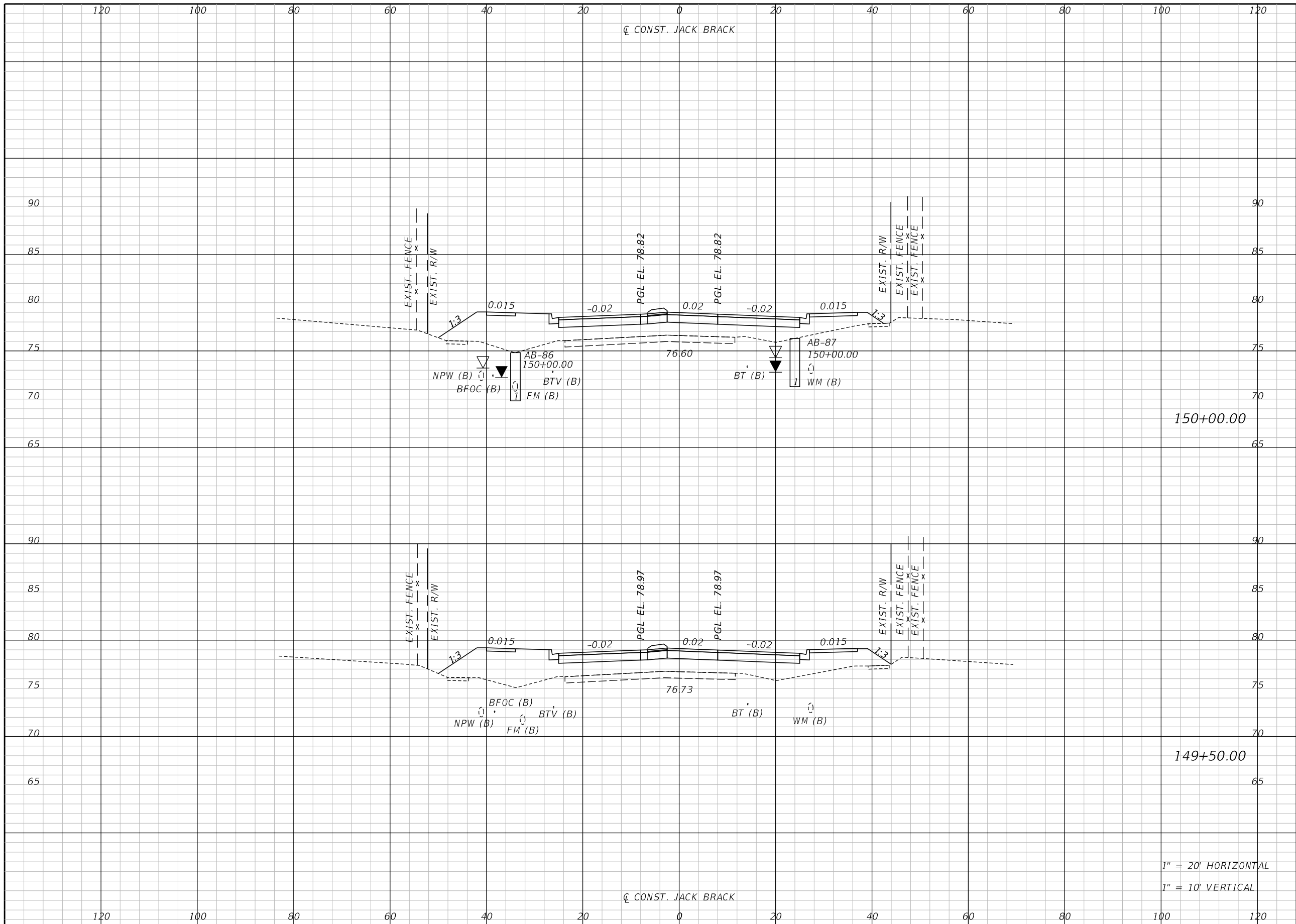
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
235

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Regular		Exc.		Embankment	
A	V	A	V	A	V

150+00.00

149+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

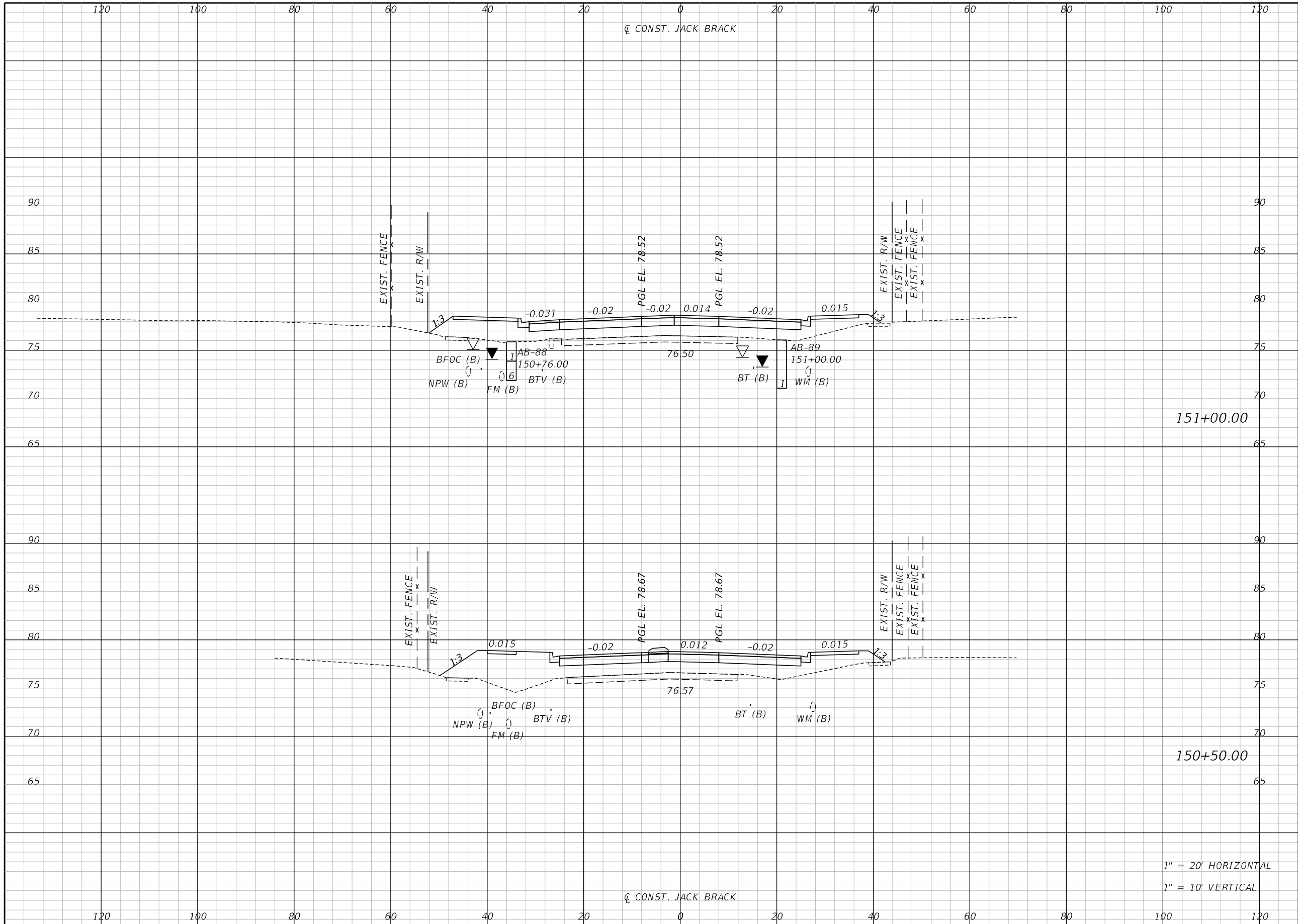
ENGINEER OF RECORD
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CROSS SECTIONS

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236

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Regular		Exc.		Embankment	
A	V	A	V	A	V

151+00.00

150+50.00

1" = 20' HORIZONTAL
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

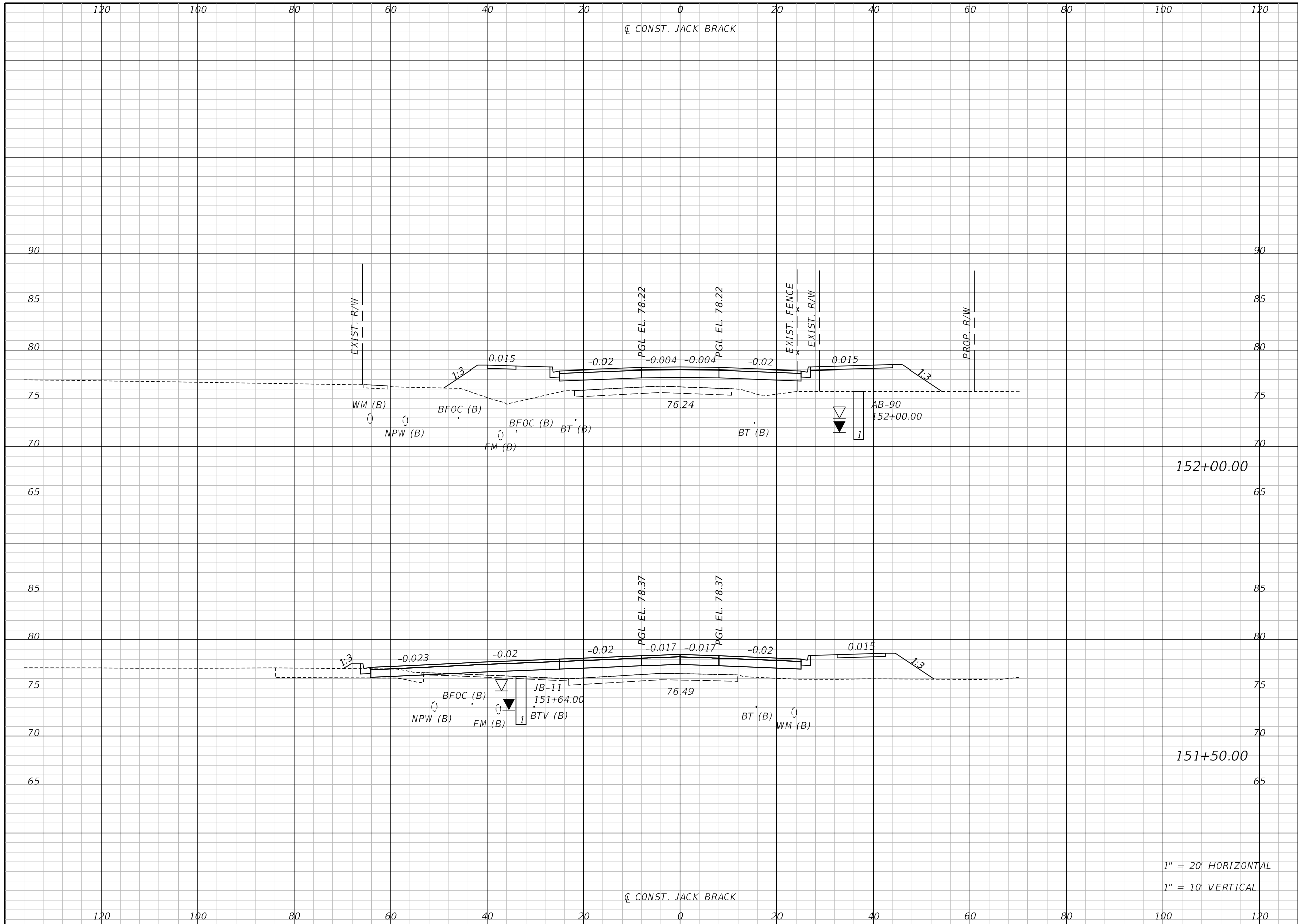
ENGINEER OF RECORD
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152+00.00

151+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

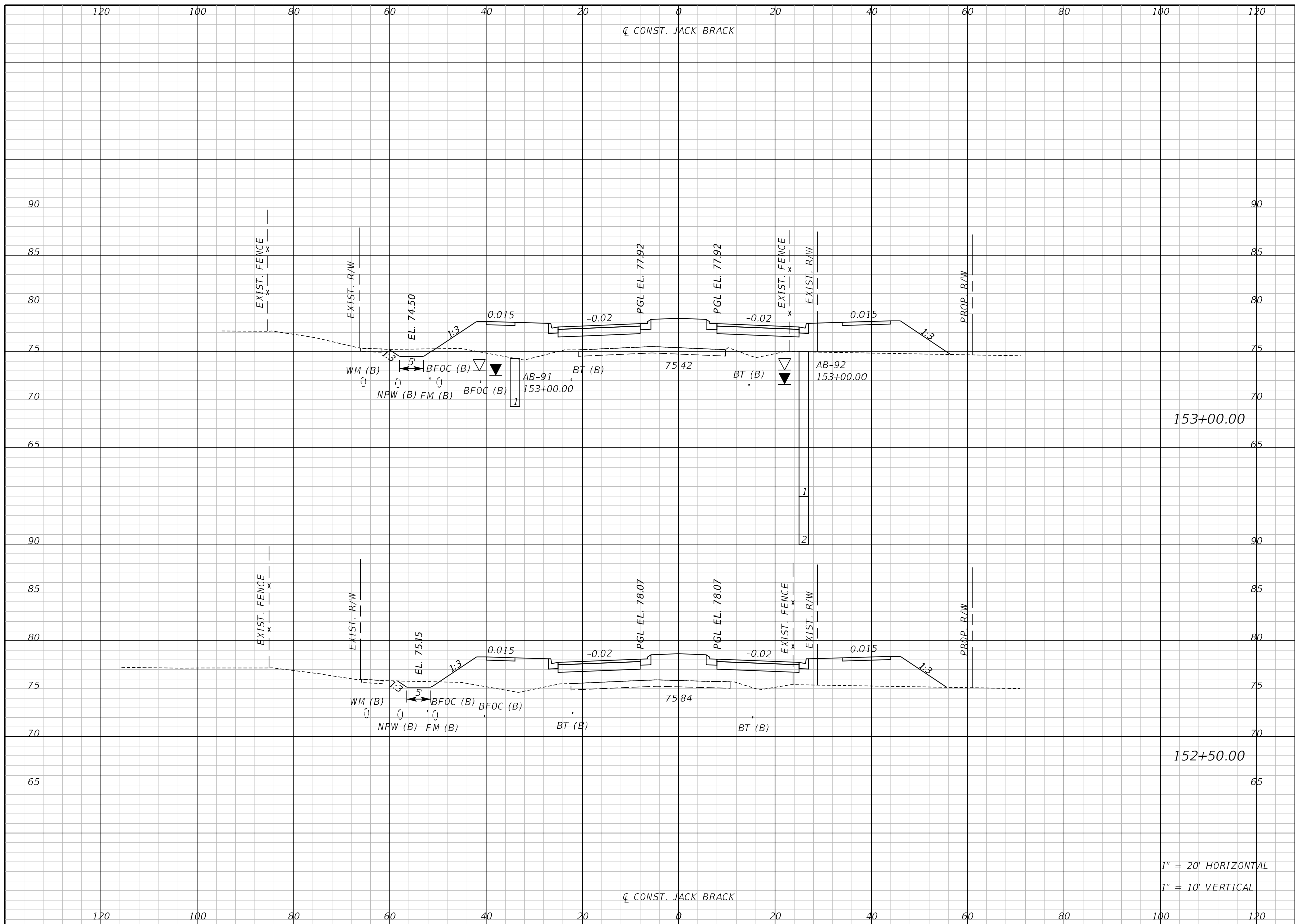
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Regular		Exc.		Embankment	
A	V	A	V	A	V

153+00.00

152+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

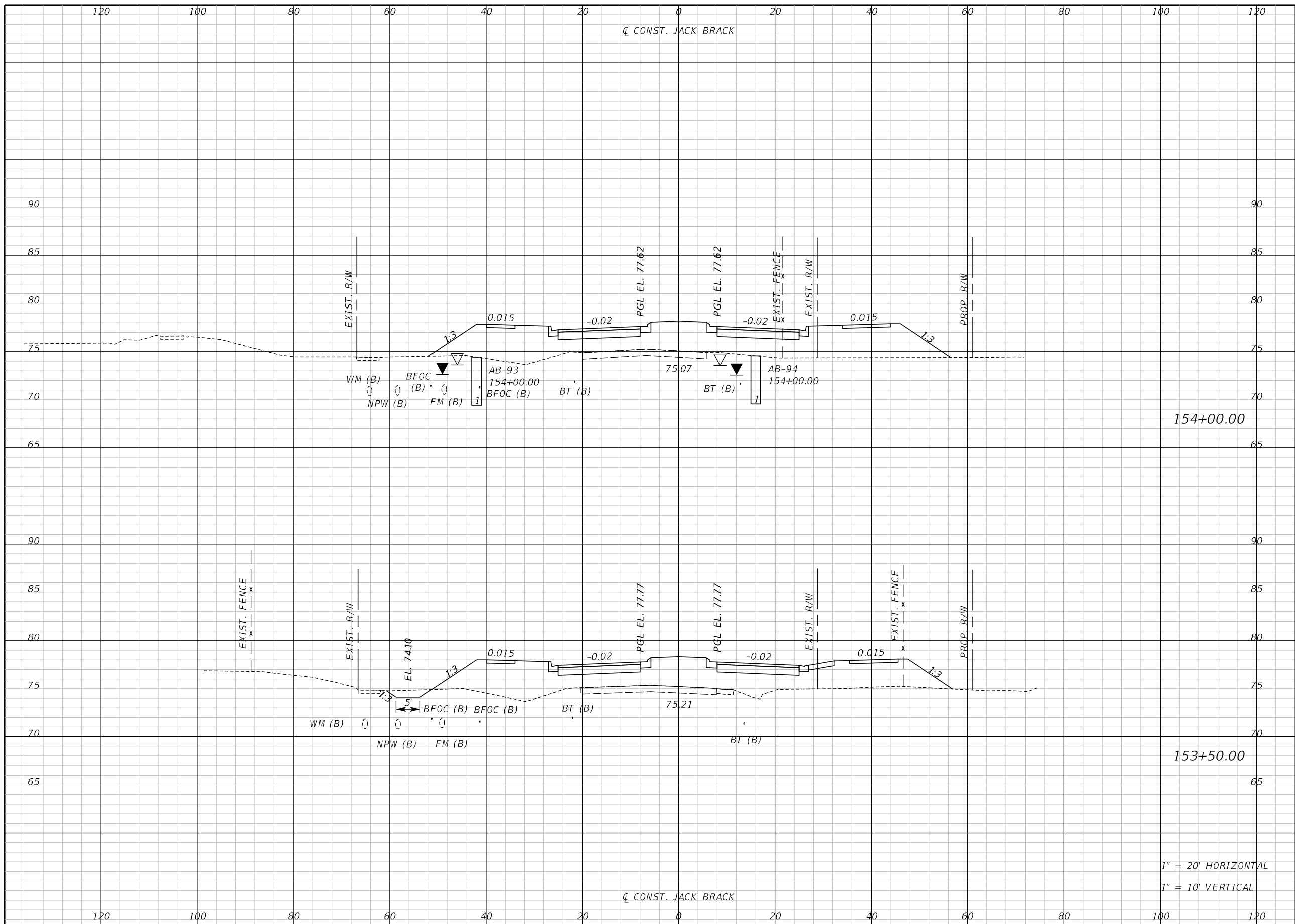
ENGINEER OF RECORD
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Oviedo, Florida 32765

**OSCEOLA COUNTY
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Kissimmee, Florida 34741-5488
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Regular		Exc.		Embankment	
A	V	A	V	A	V

154+00.00

153+50.00

1" = 20' HORIZONTAL
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

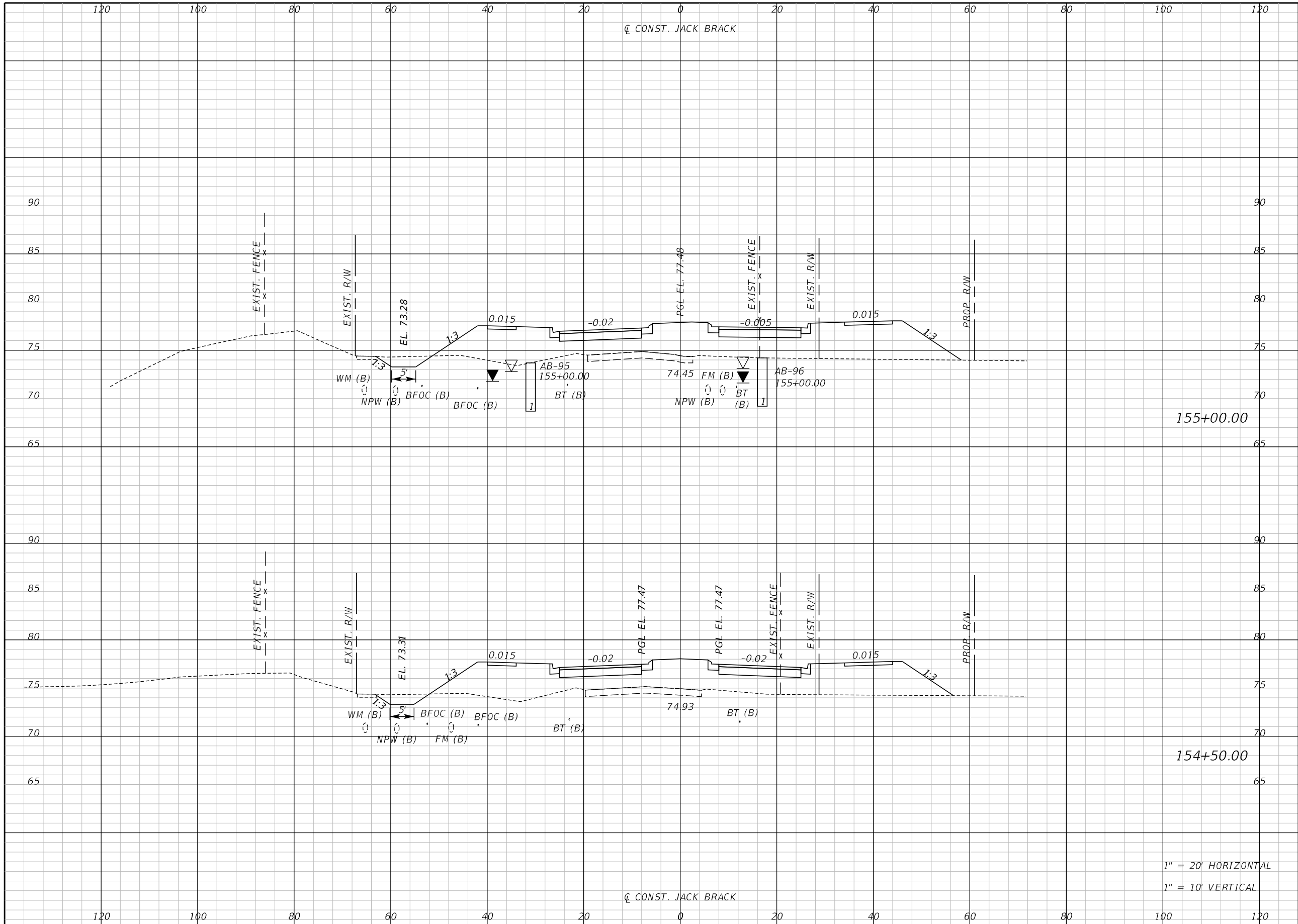
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Regular		Exc.		Embankment	
A	V	A	V	A	V

155+00.00

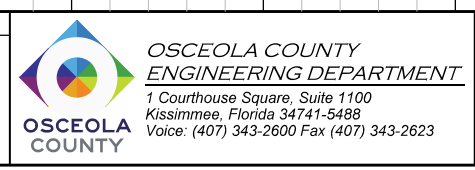
154+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

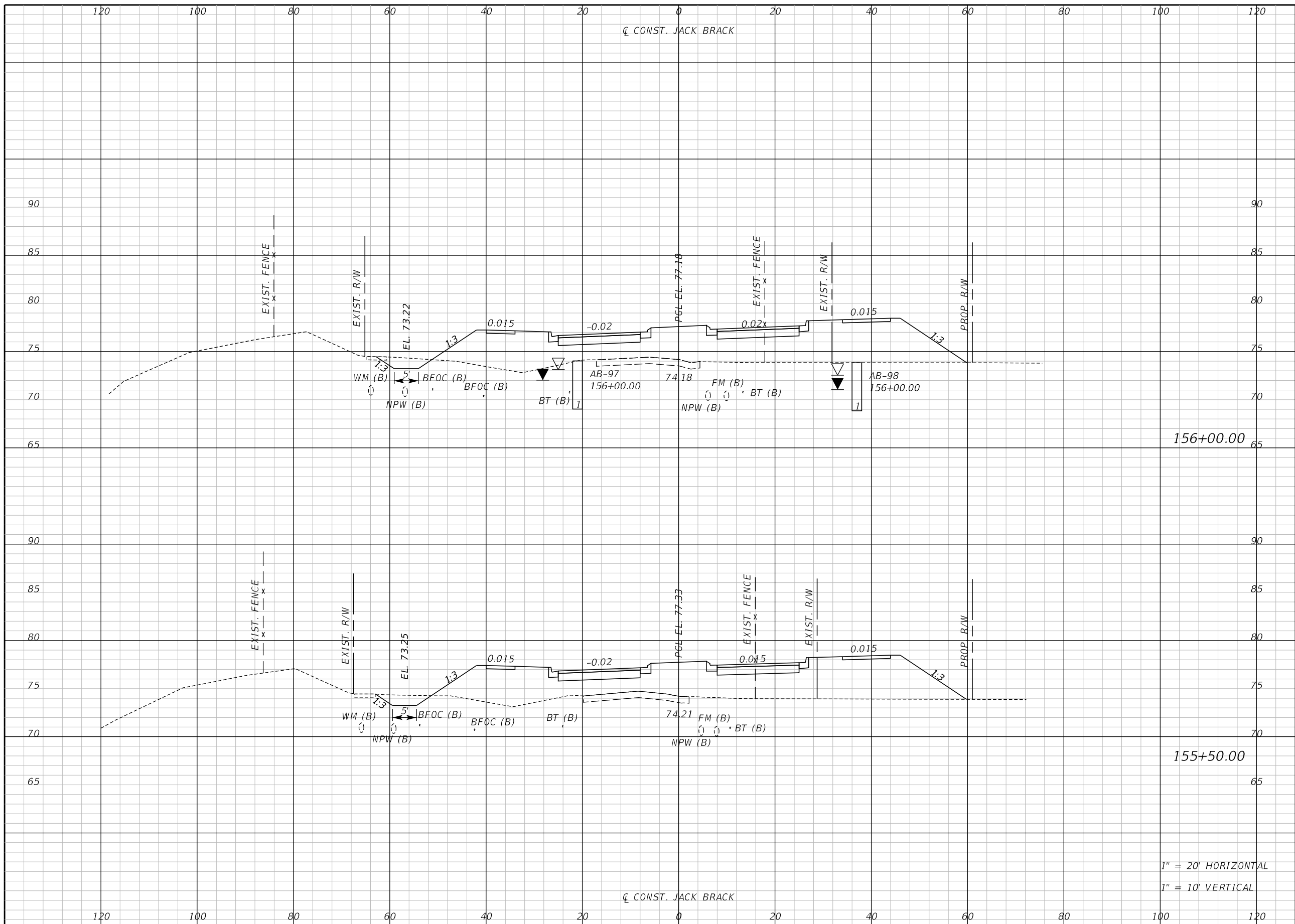
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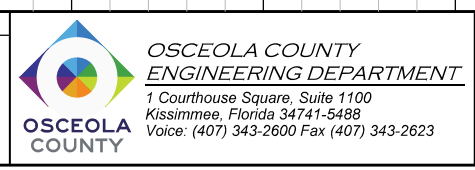
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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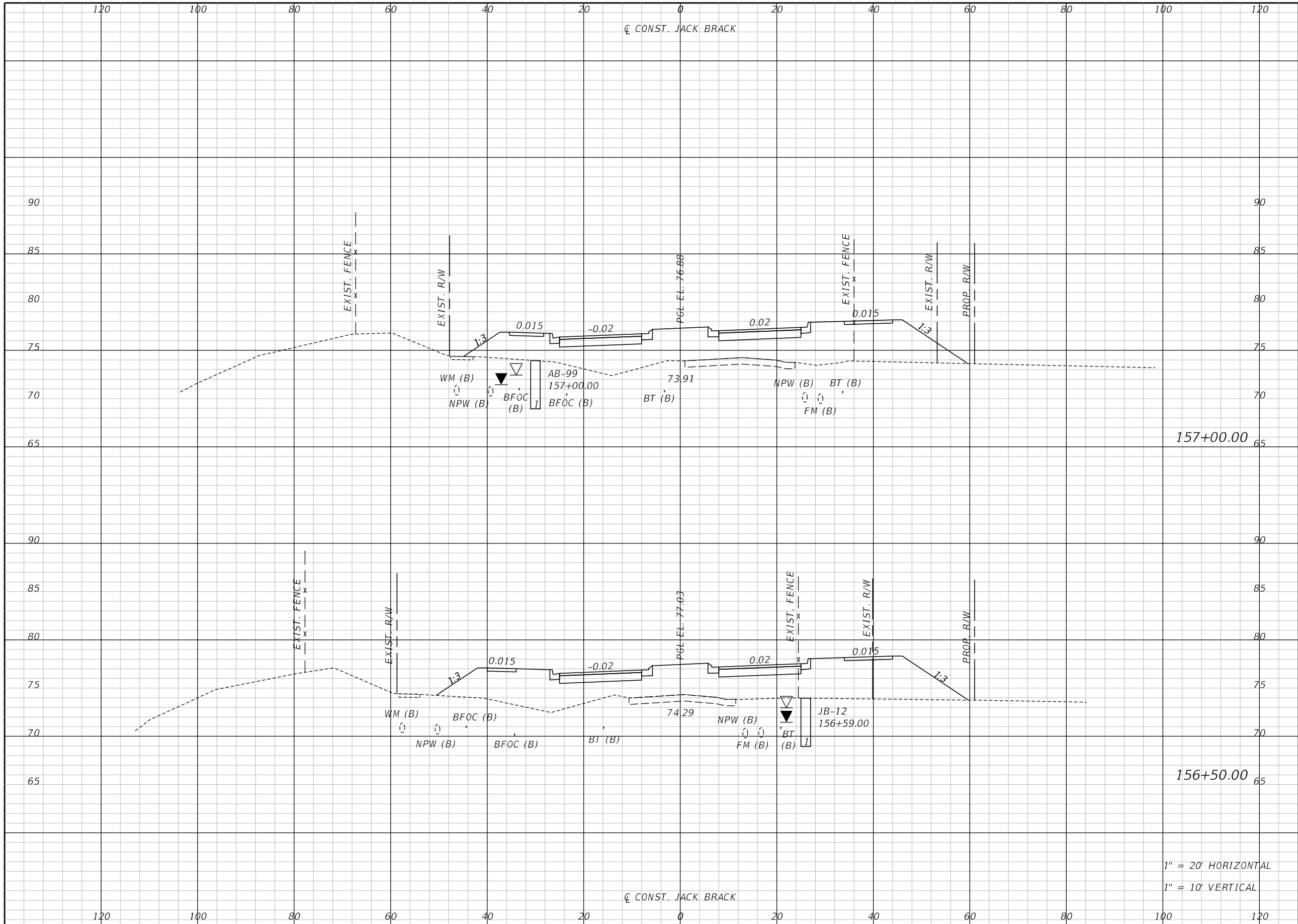
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V

157+00.00

156+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

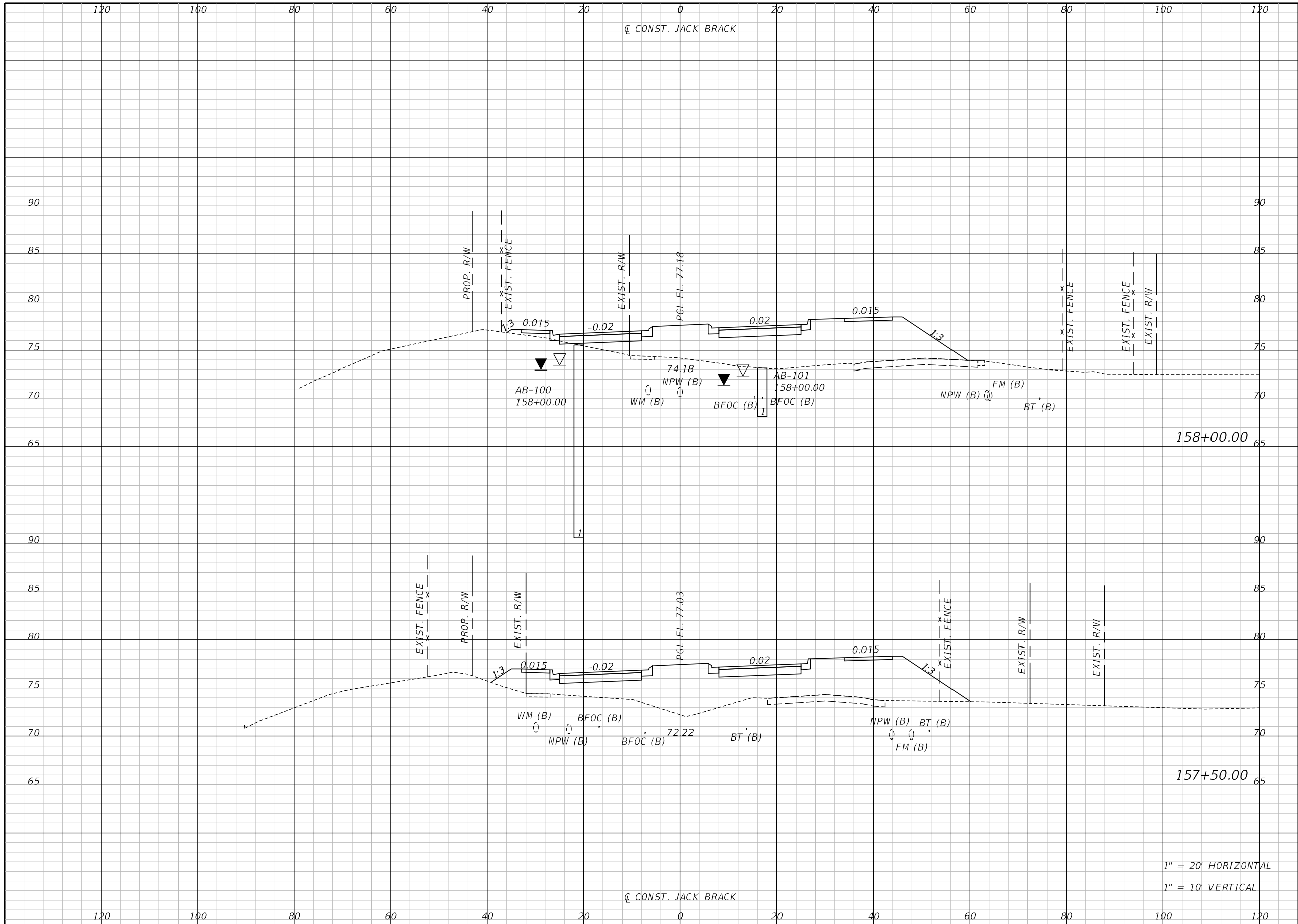
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
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CROSS SECTIONS

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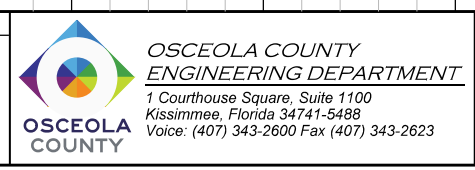
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
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REVISIONS		
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**JACK BRACK ROAD
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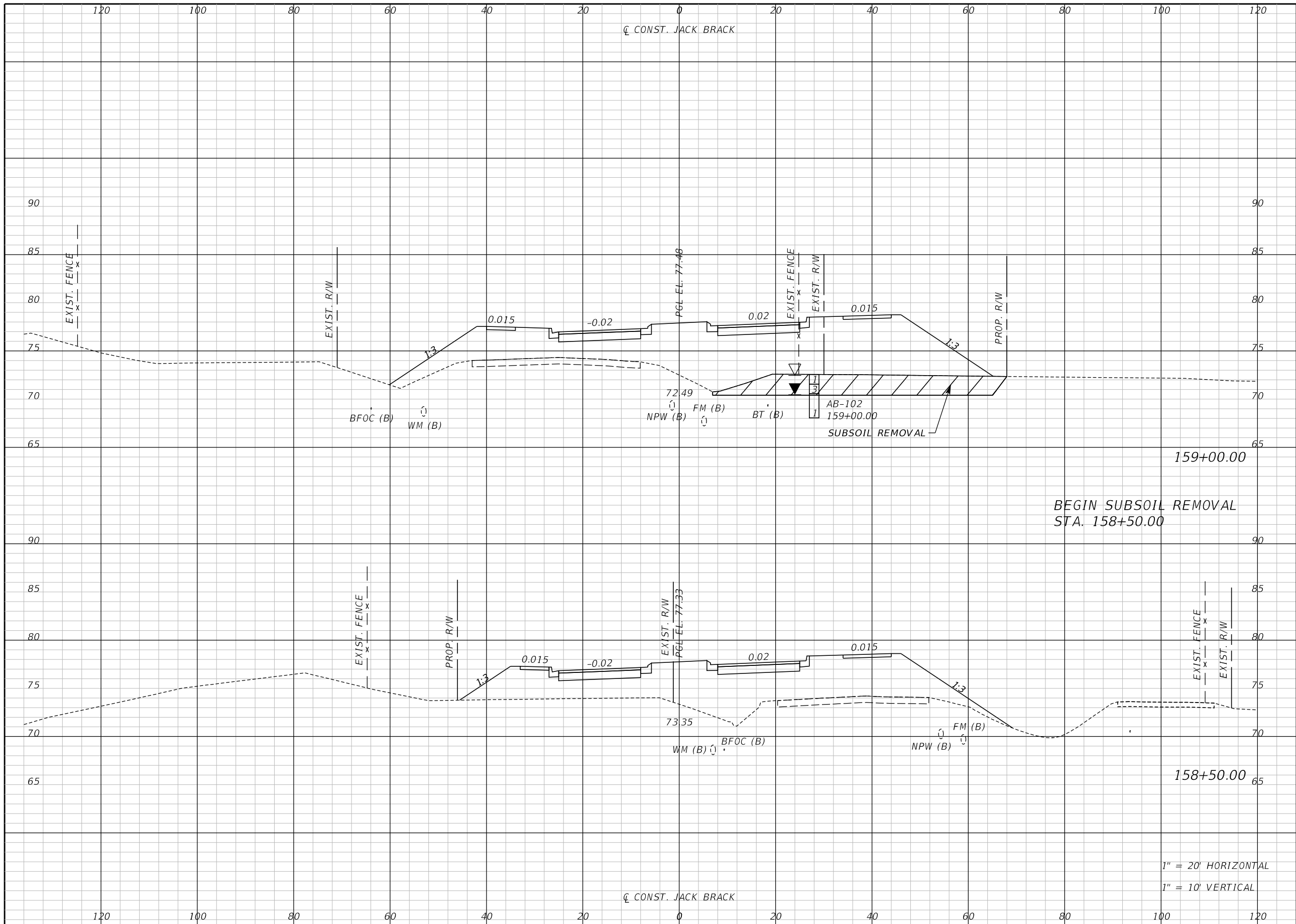
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Regular		Exc.		Embankment	
A	V	A	V	A	V

BEGIN SUBSOIL REMOVAL
STA. 158+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

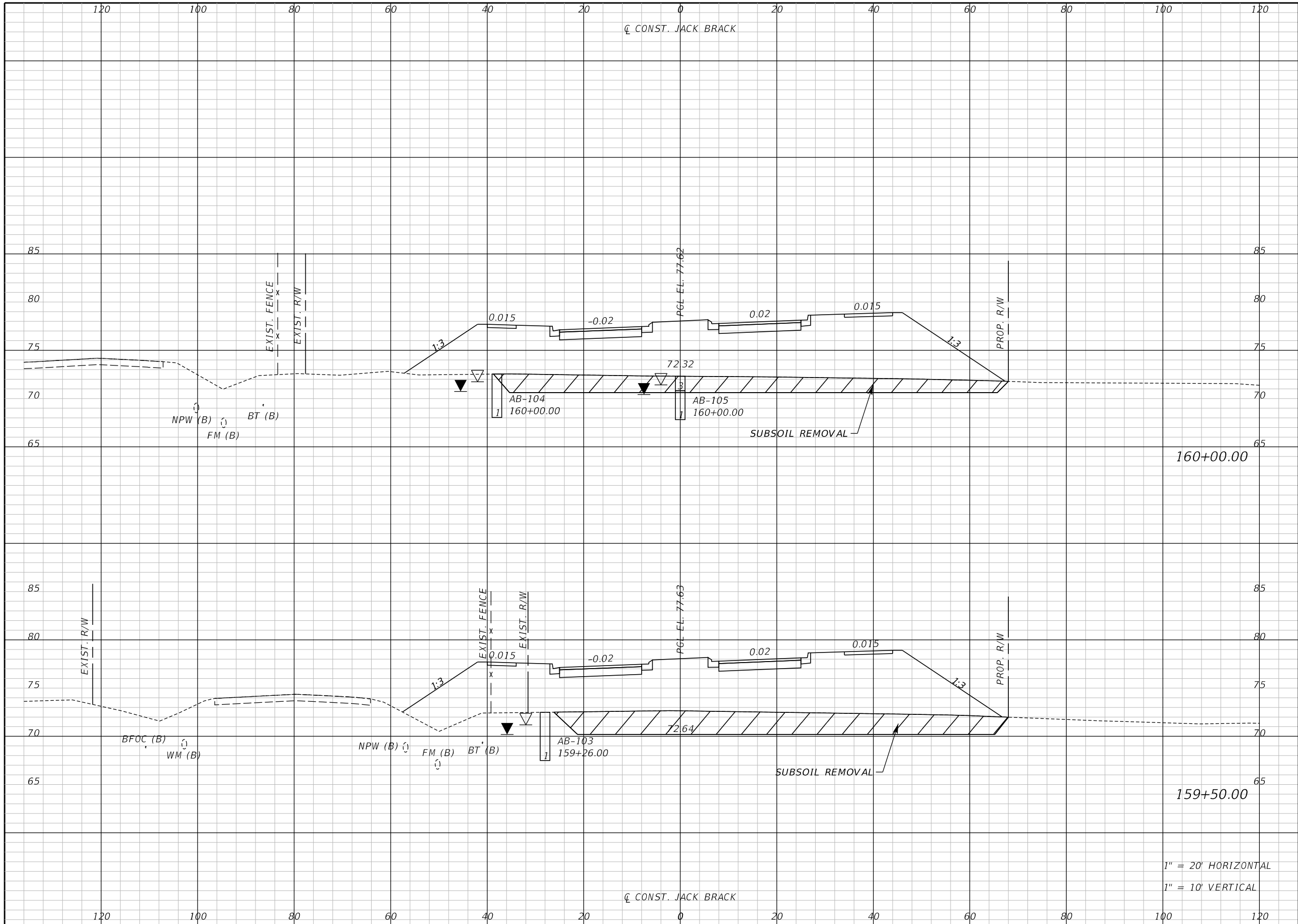


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
245

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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

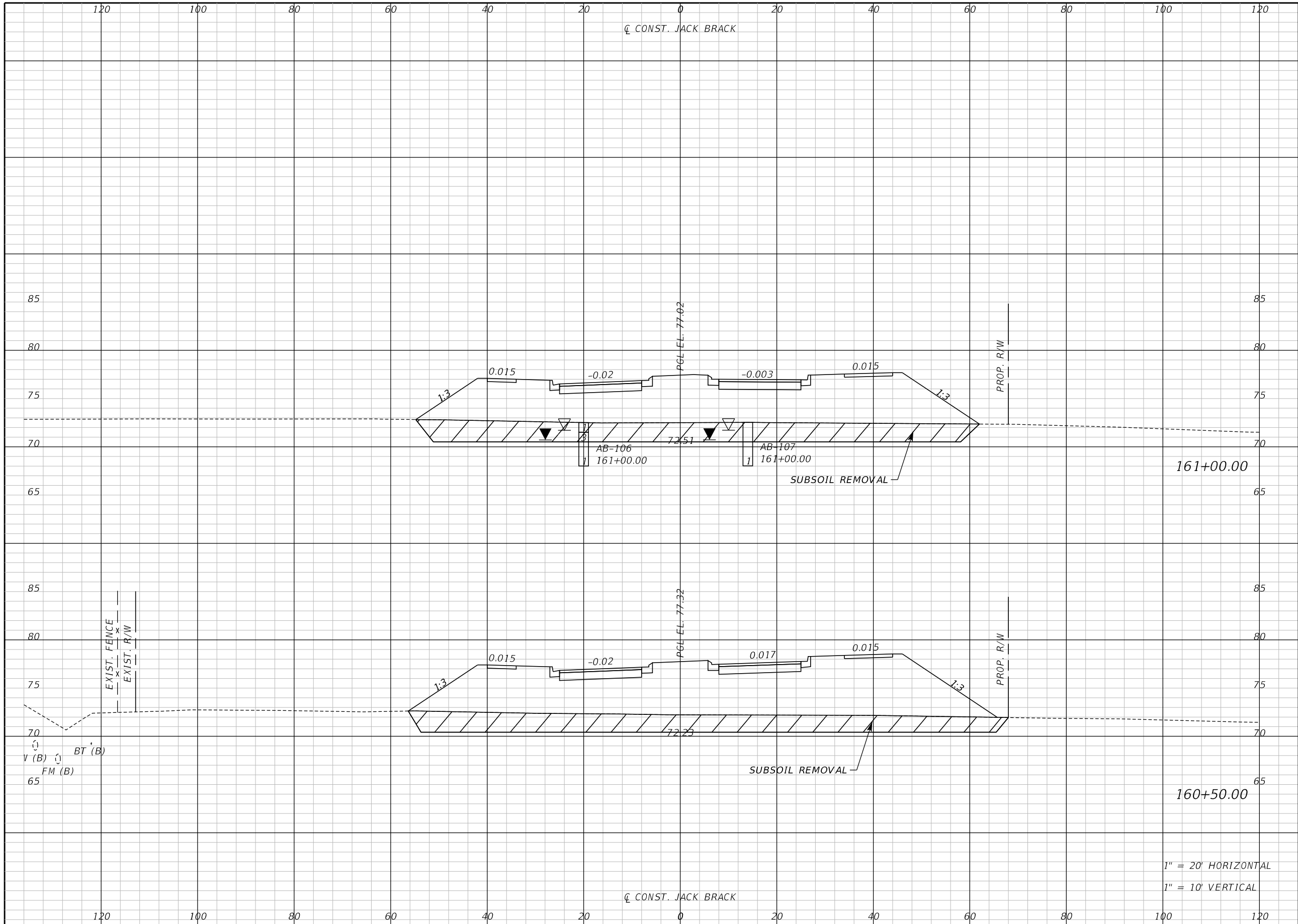


CROSS SECTIONS

SHEET NO.
246

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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

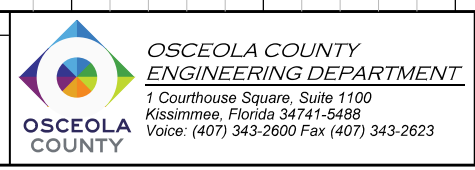


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

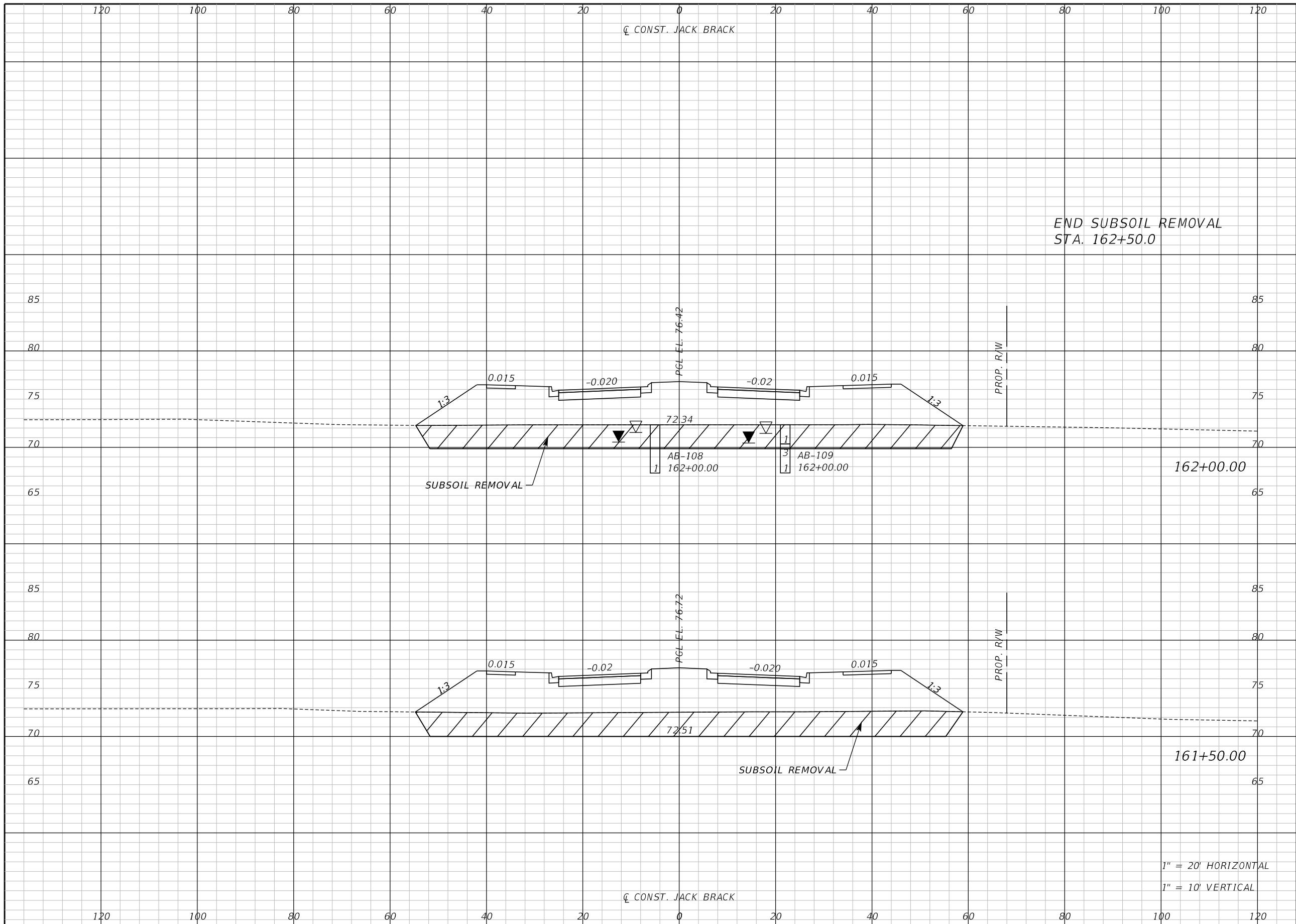


CROSS SECTIONS

SHEET NO.
247

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



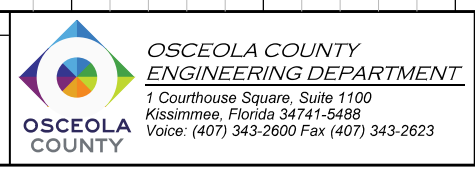
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

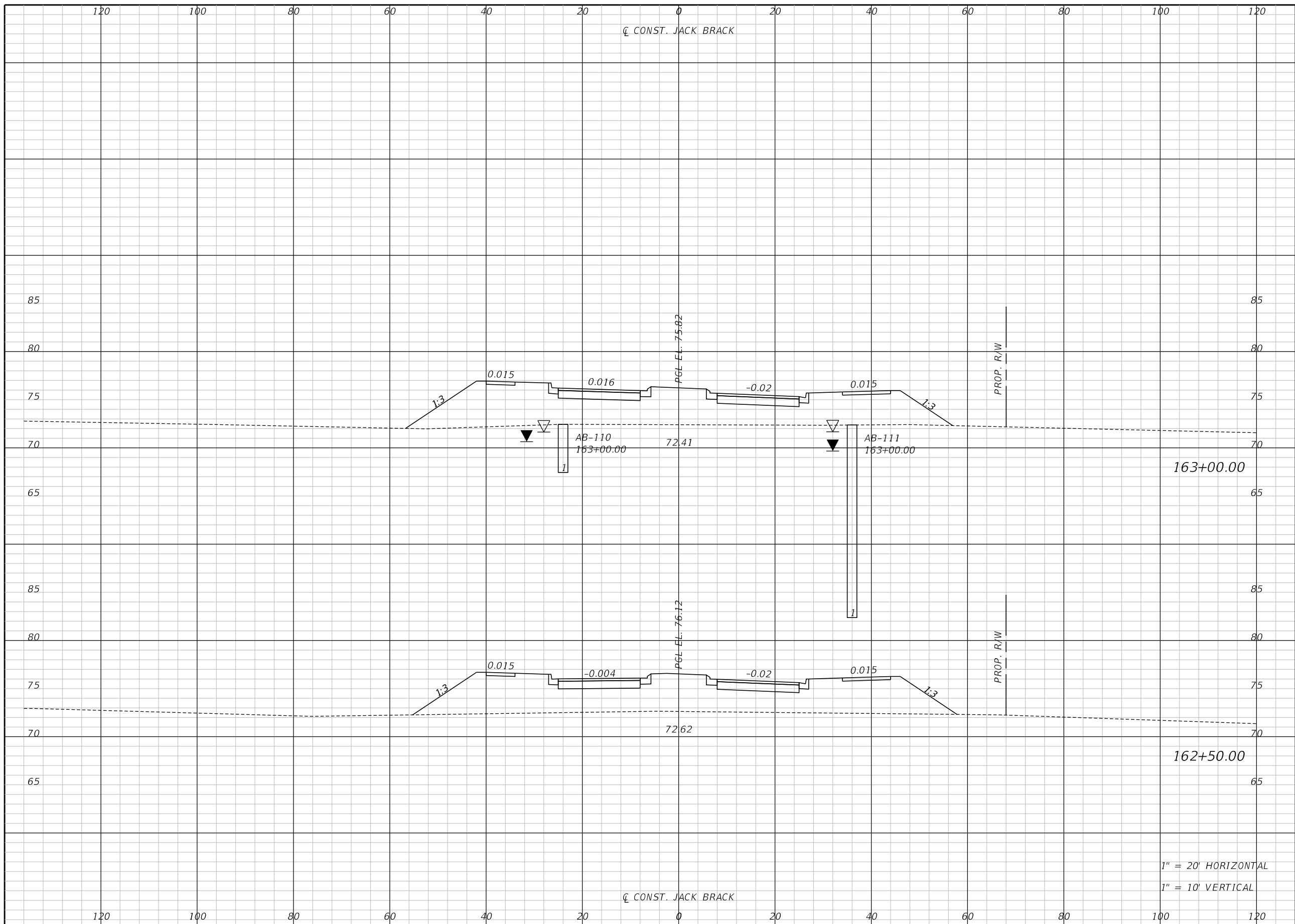
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
248

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Regular		Exc.		Embankment	
A	V	A	V	A	V

163+00.00

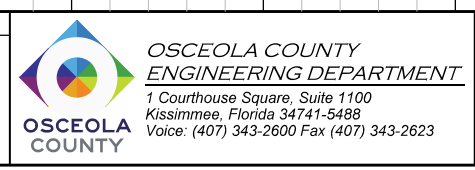
162+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

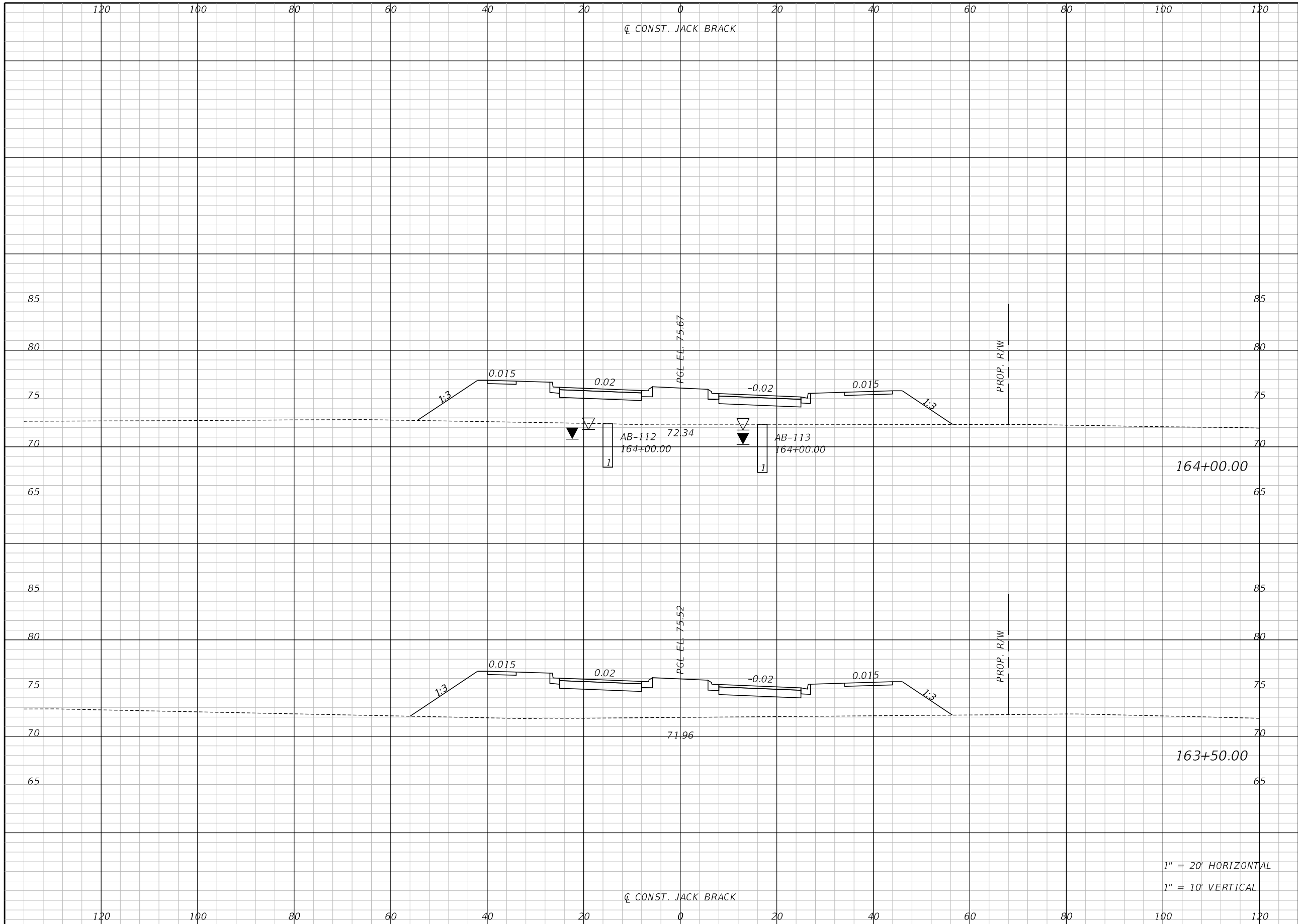
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
249

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



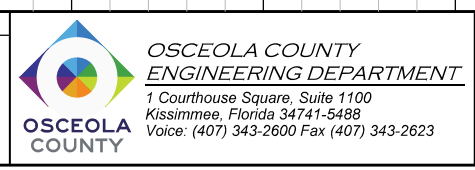
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

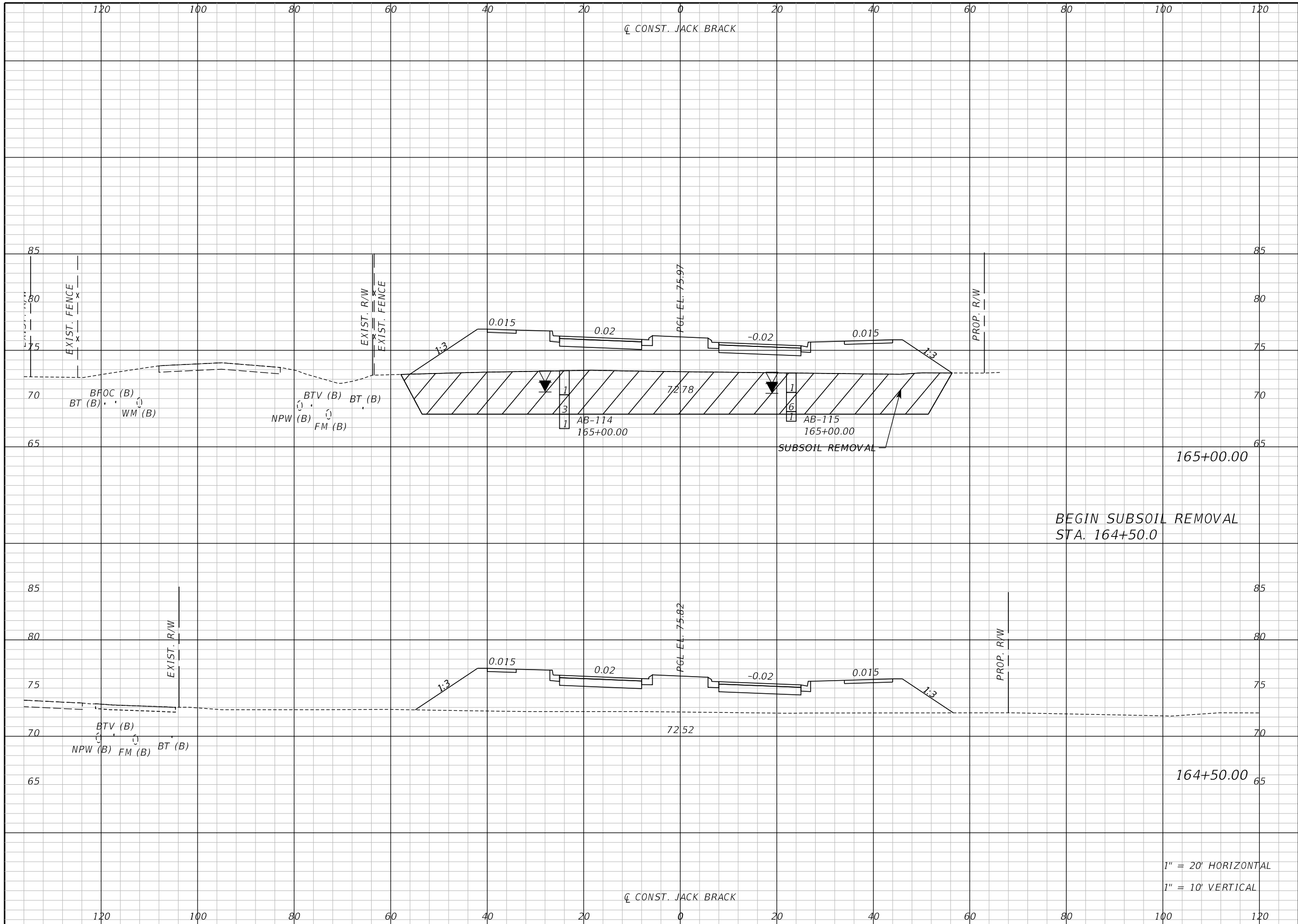
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
250

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Regular		Exc.		Embankment	
A	V	A	V	A	V

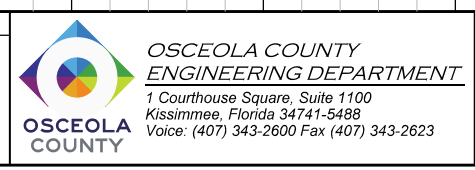
BEGIN SUBSOIL REMOVAL
STA. 164+50.0

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

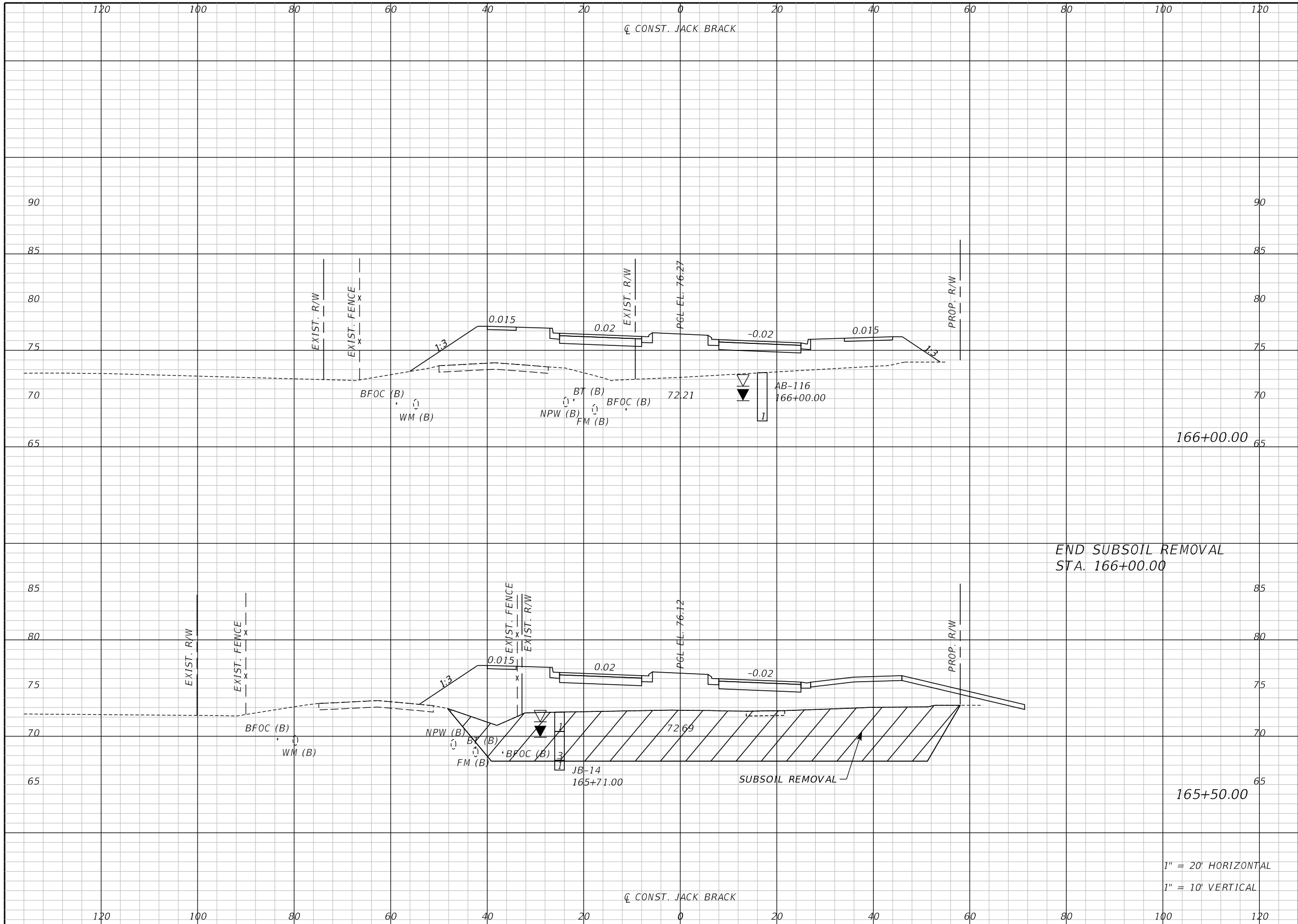
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET
NO.
251

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END SUBSOIL REMOVAL
STA. 166+00.00

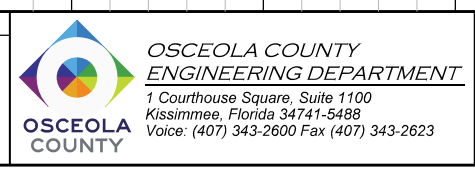
SUBSOIL REMOVAL

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

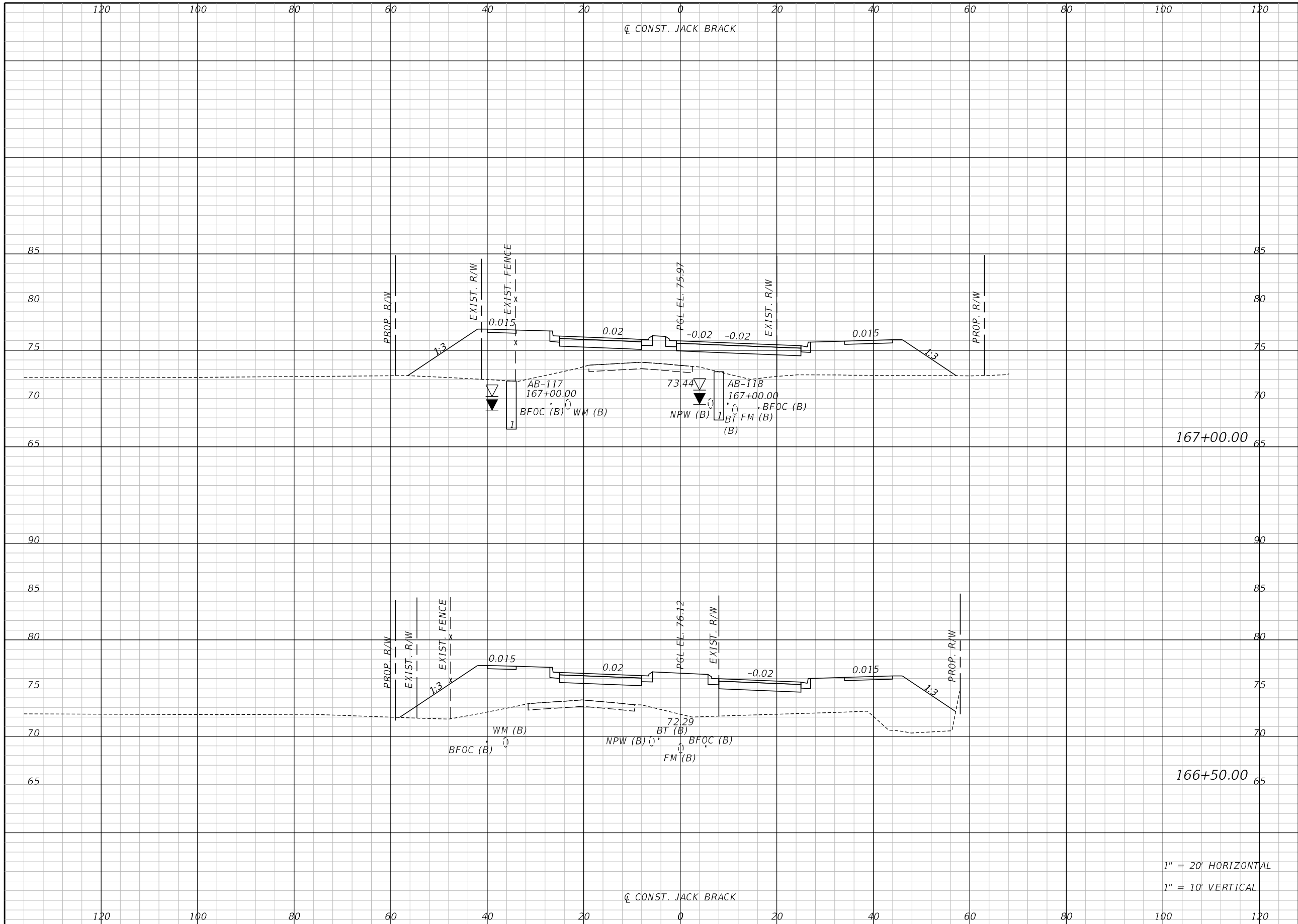


CROSS SECTIONS

SHEET NO.
252

Regular		Exc.		Embankment	
A	V	A	V	A	V

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	A	V

167+00.00

166+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

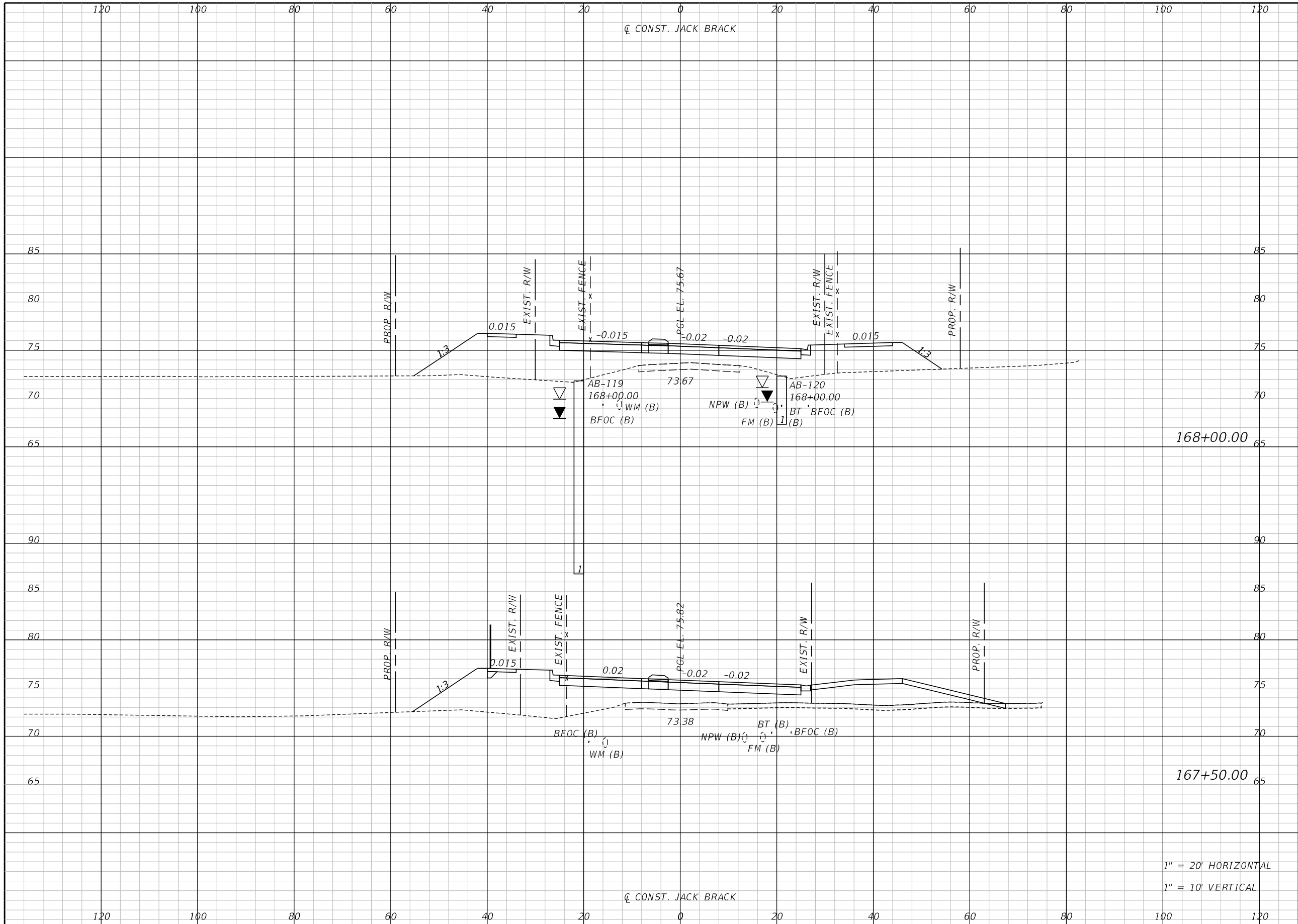
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
253

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



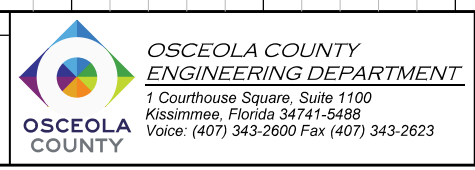
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

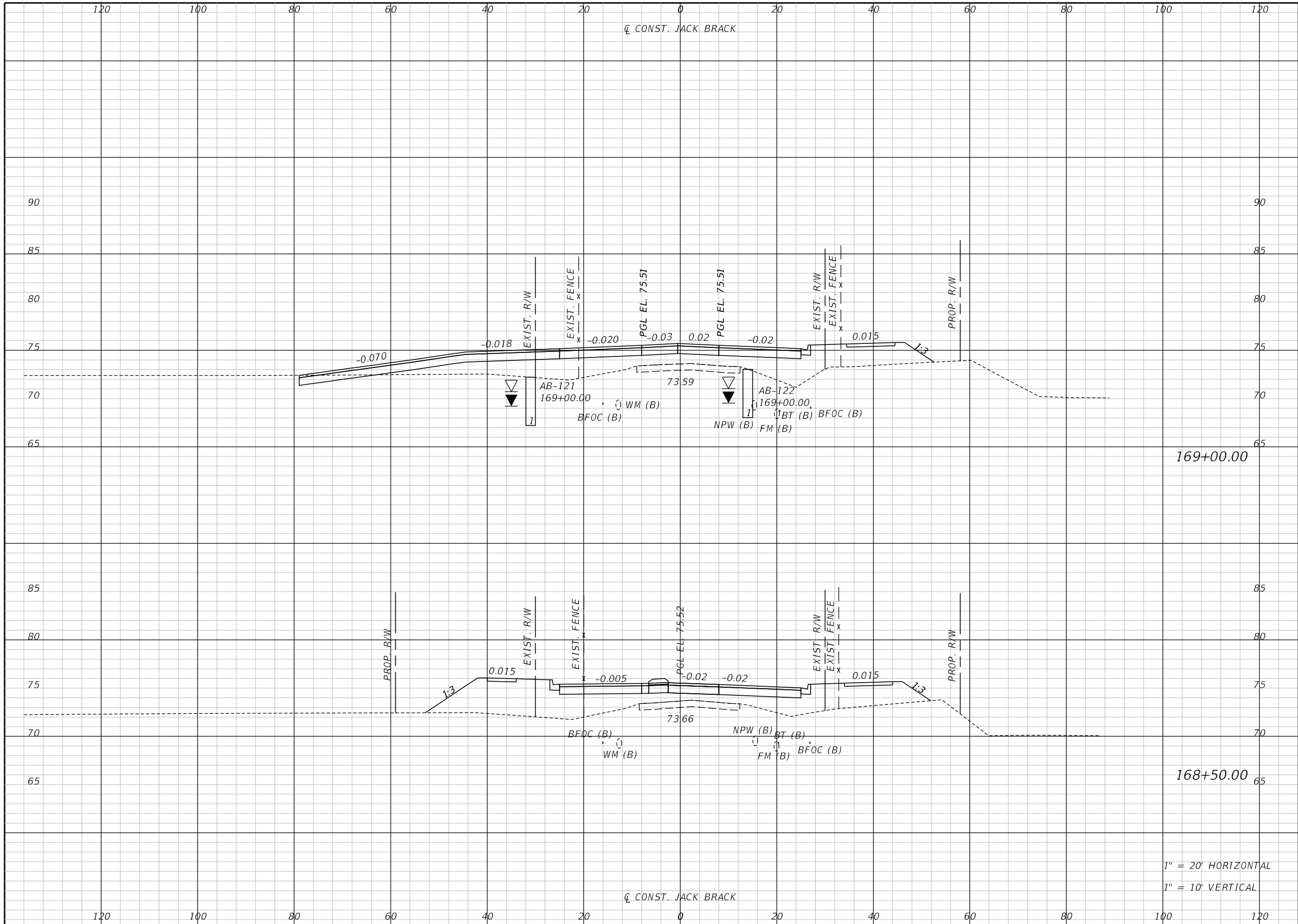
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
254

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



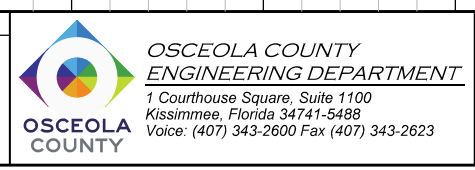
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

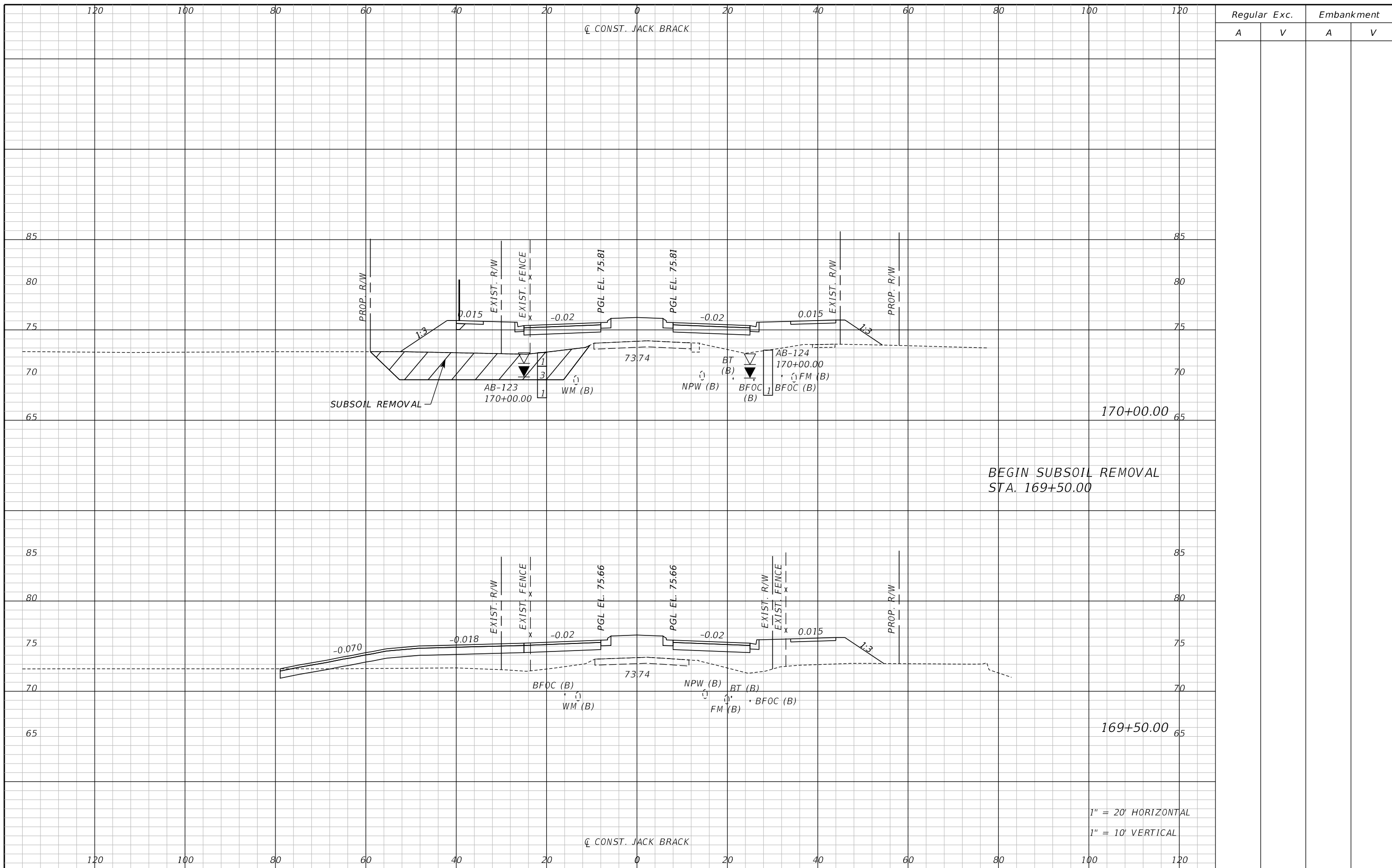
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
255

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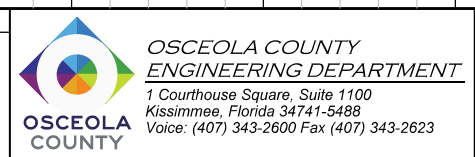
BEGIN SUBSOIL REMOVAL
STA. 169+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

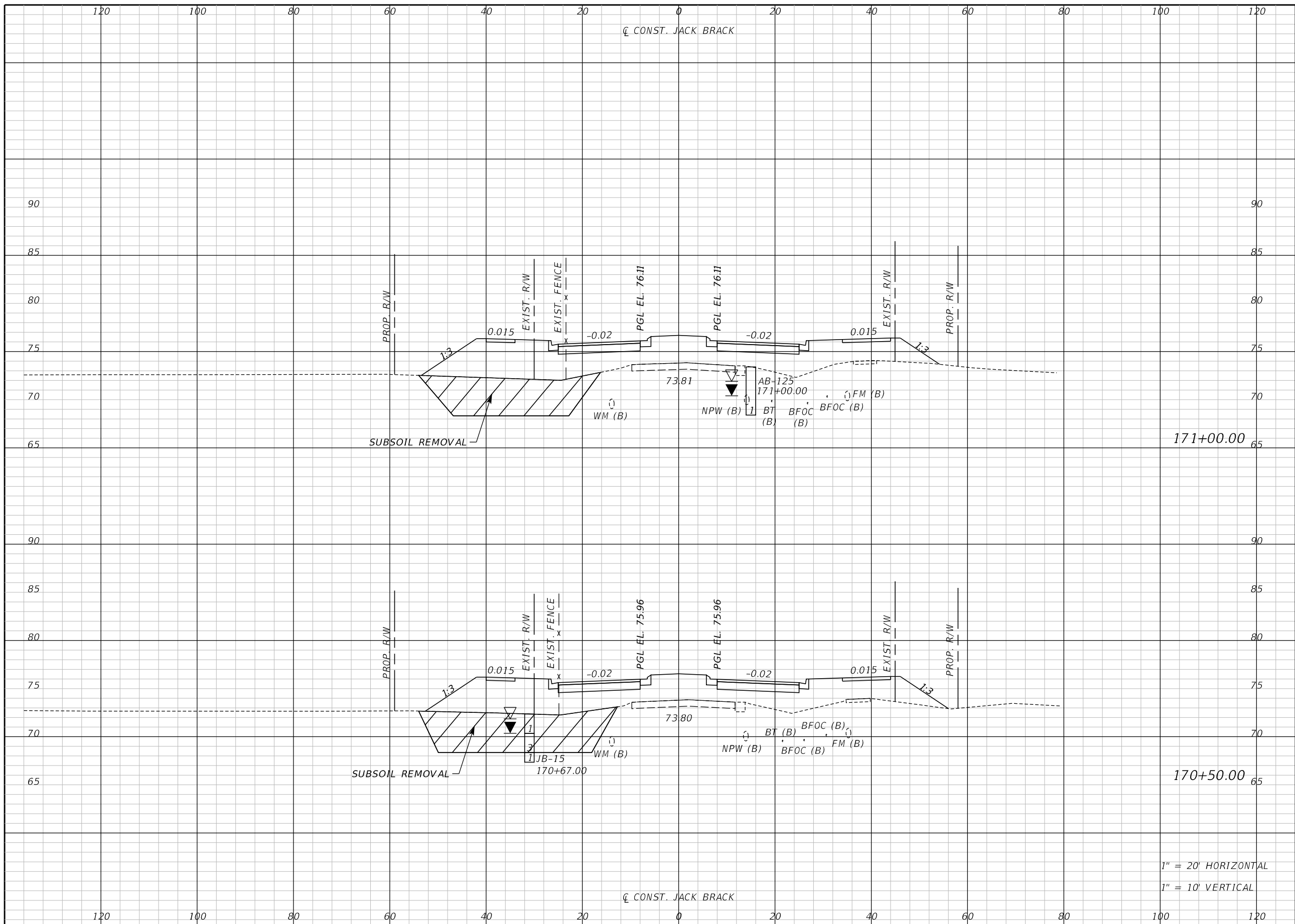
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
256

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171+00.00

170+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

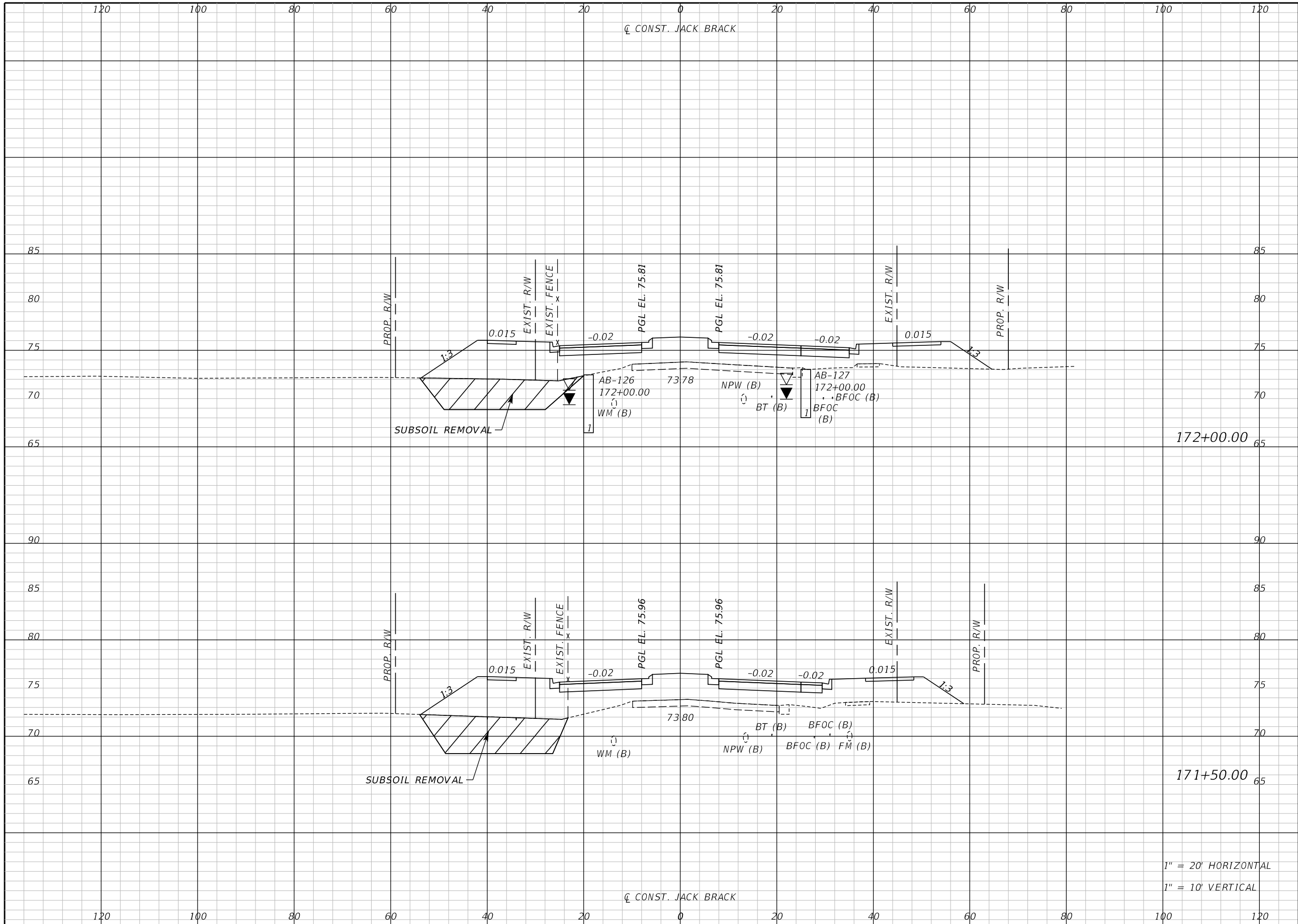
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
257

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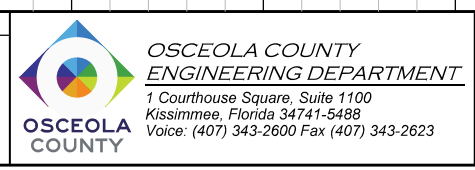
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

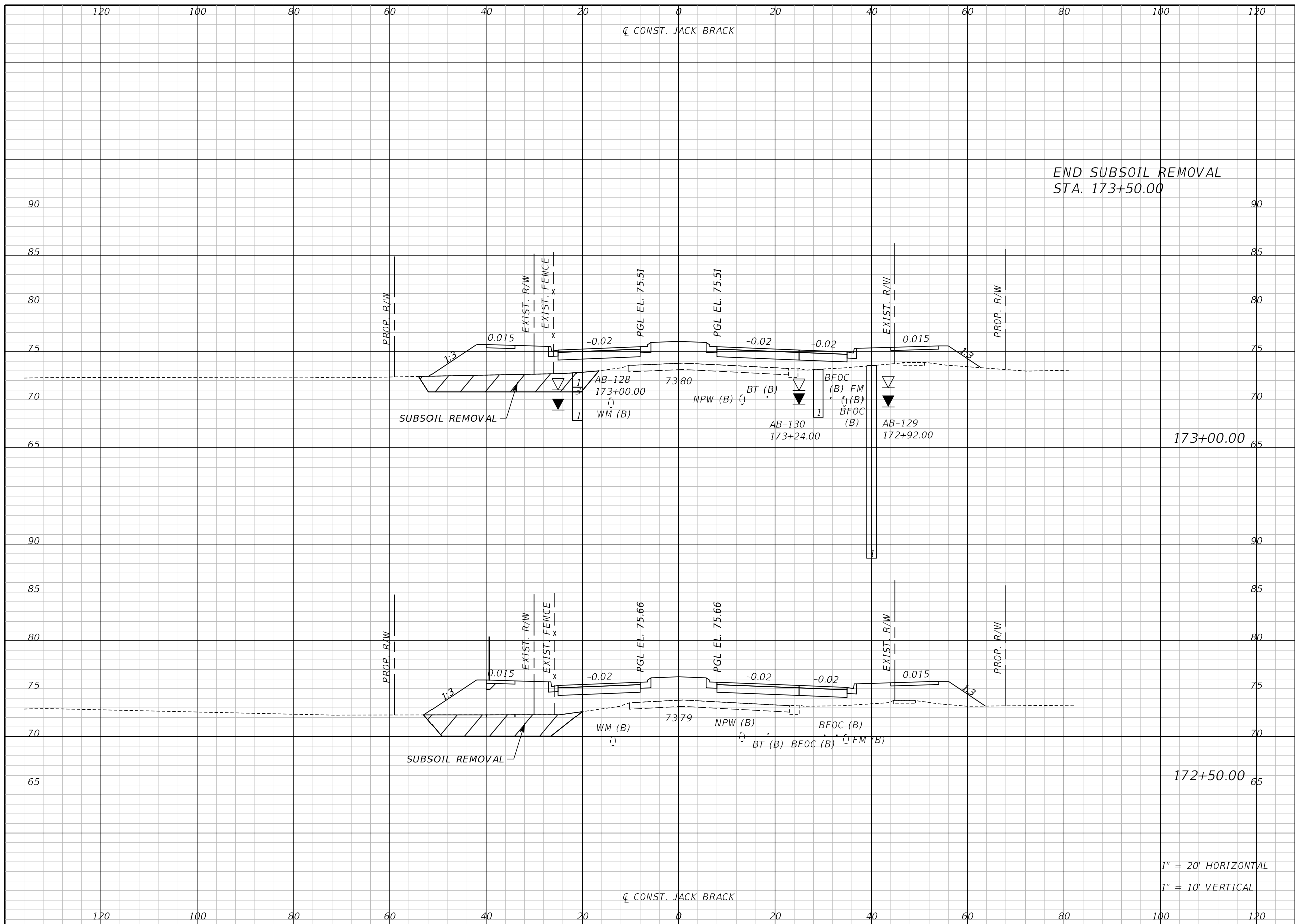
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
258

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END SUBSOIL REMOVAL
STA: 173+50.00

173+00.00

172+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

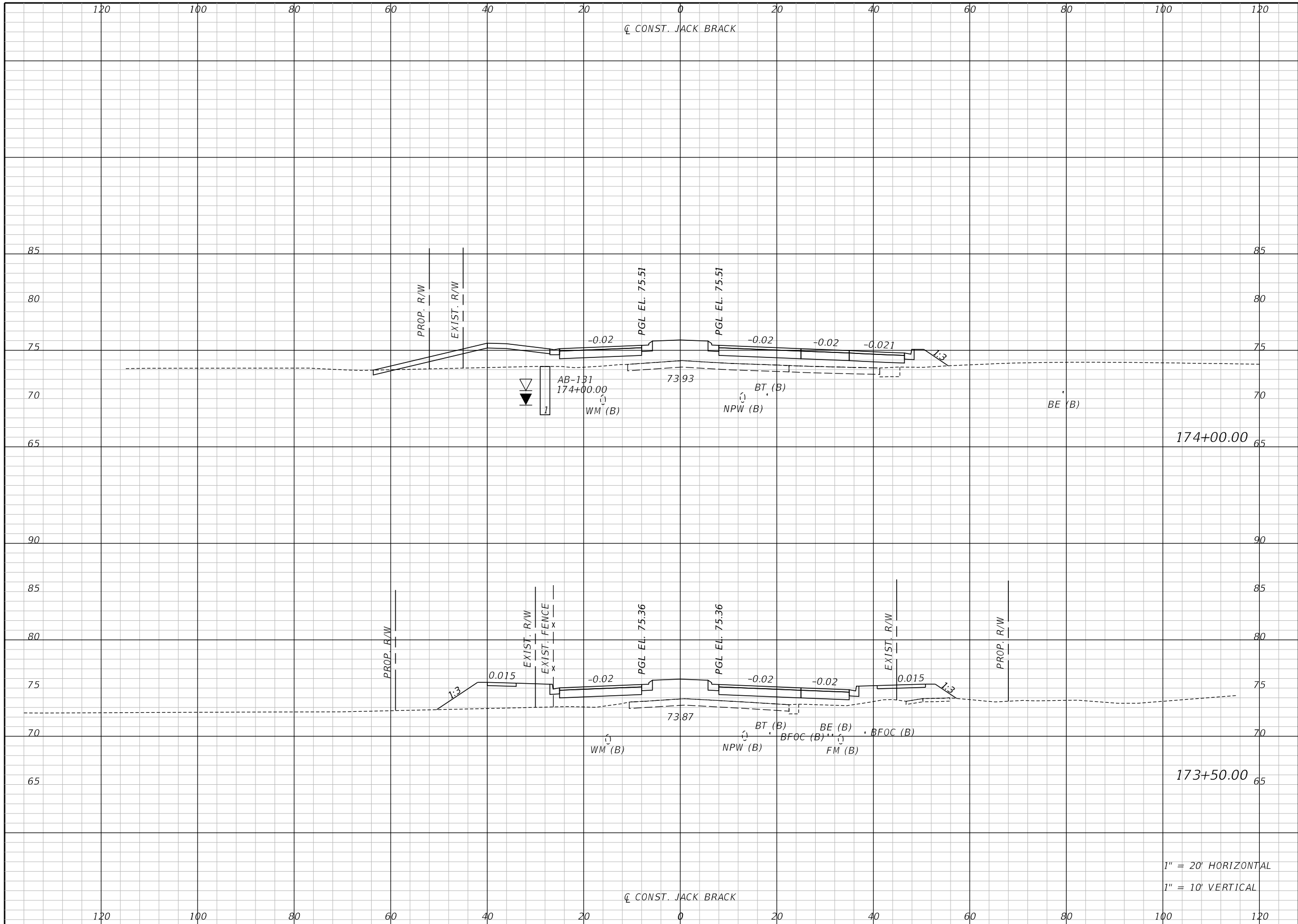
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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CROSS SECTIONS

SHEET NO.
259

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

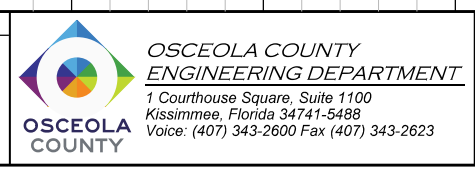


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

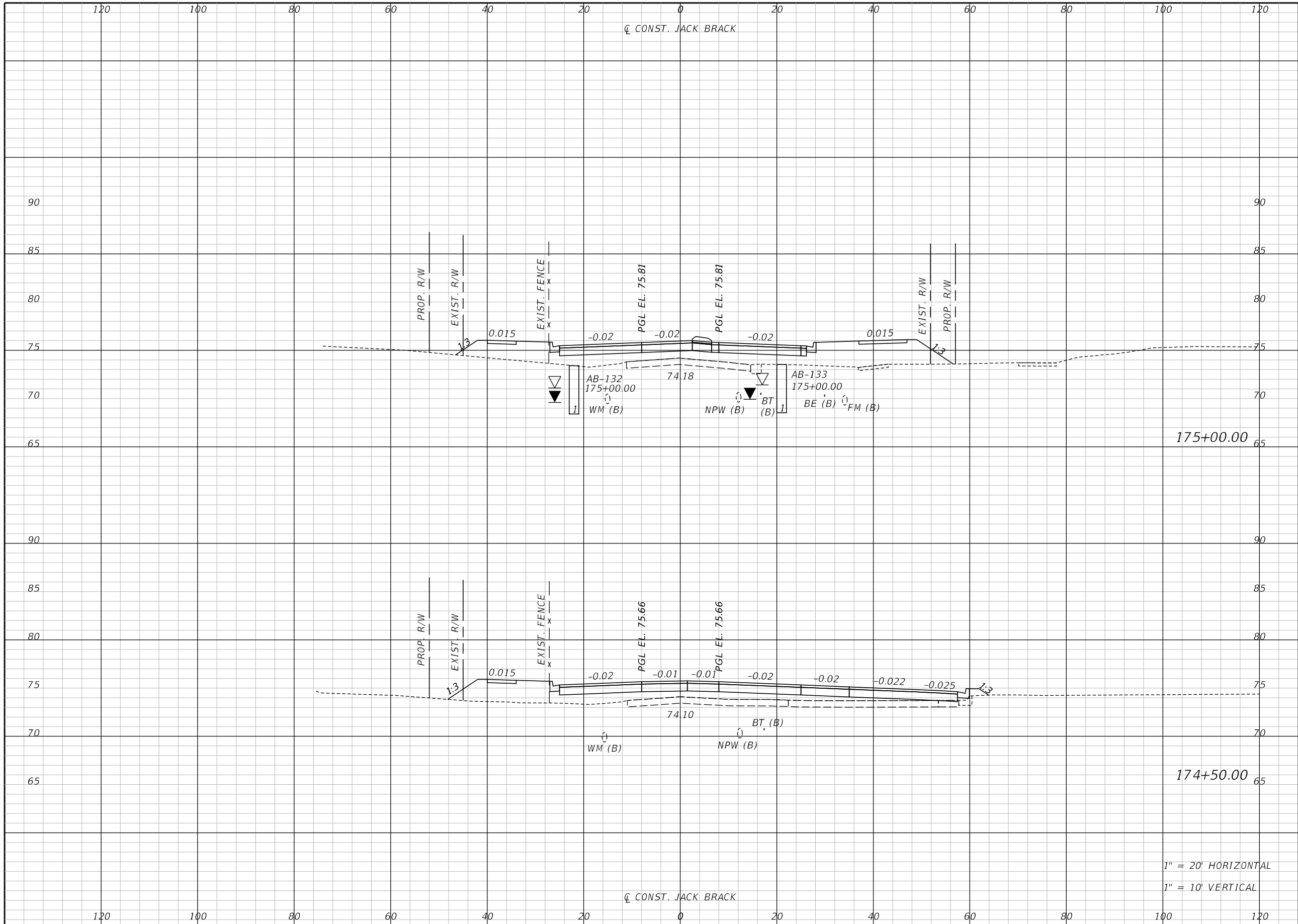


CROSS SECTIONS

SHEET NO.
260

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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

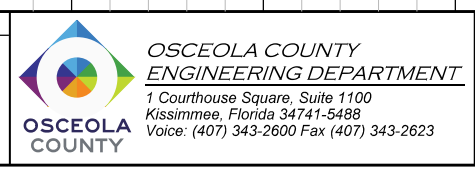


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

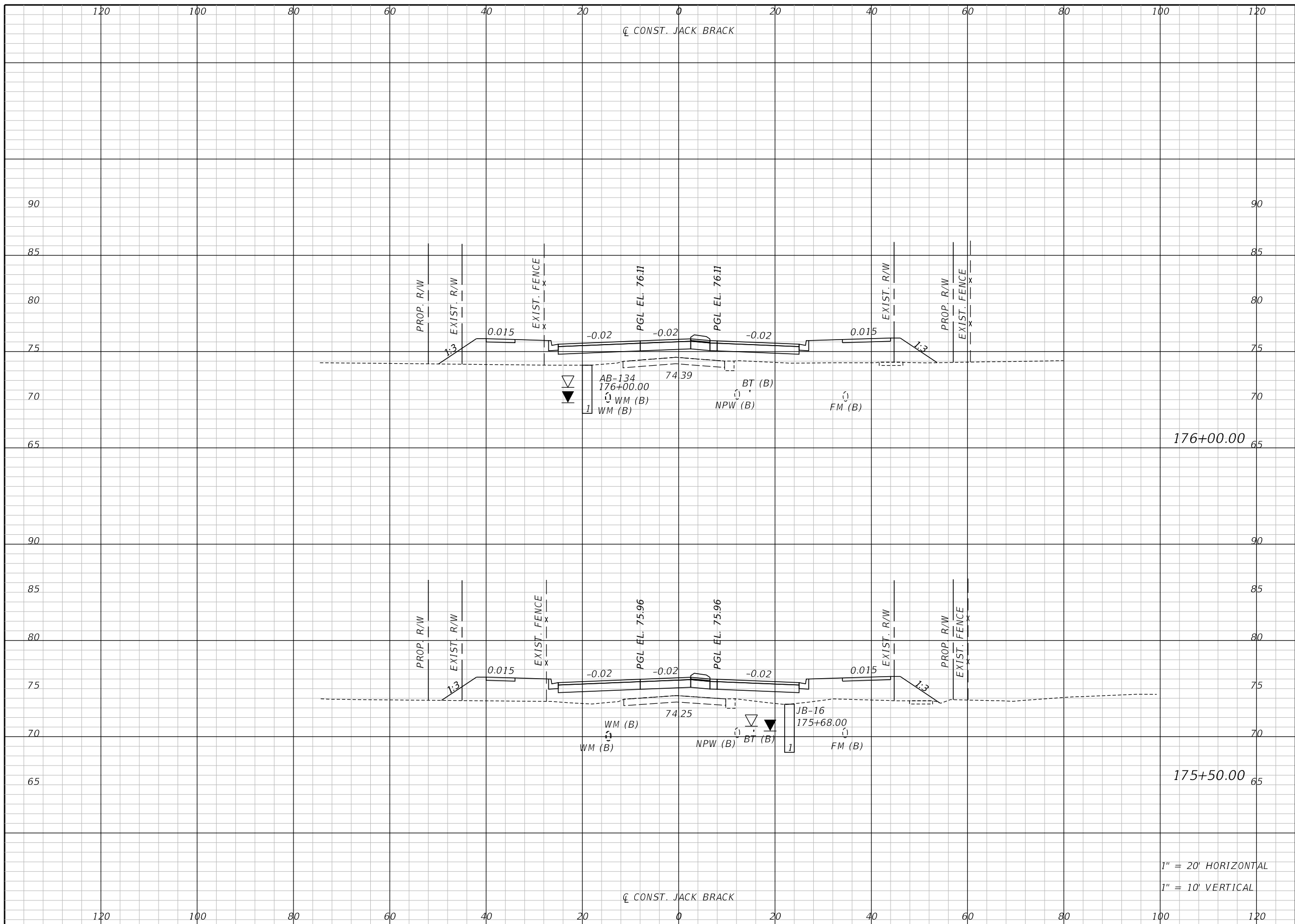


CROSS SECTIONS

SHEET NO.
261

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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Regular		Exc.		Embankment	
A	V	A	V	A	V

176+00.00


175+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

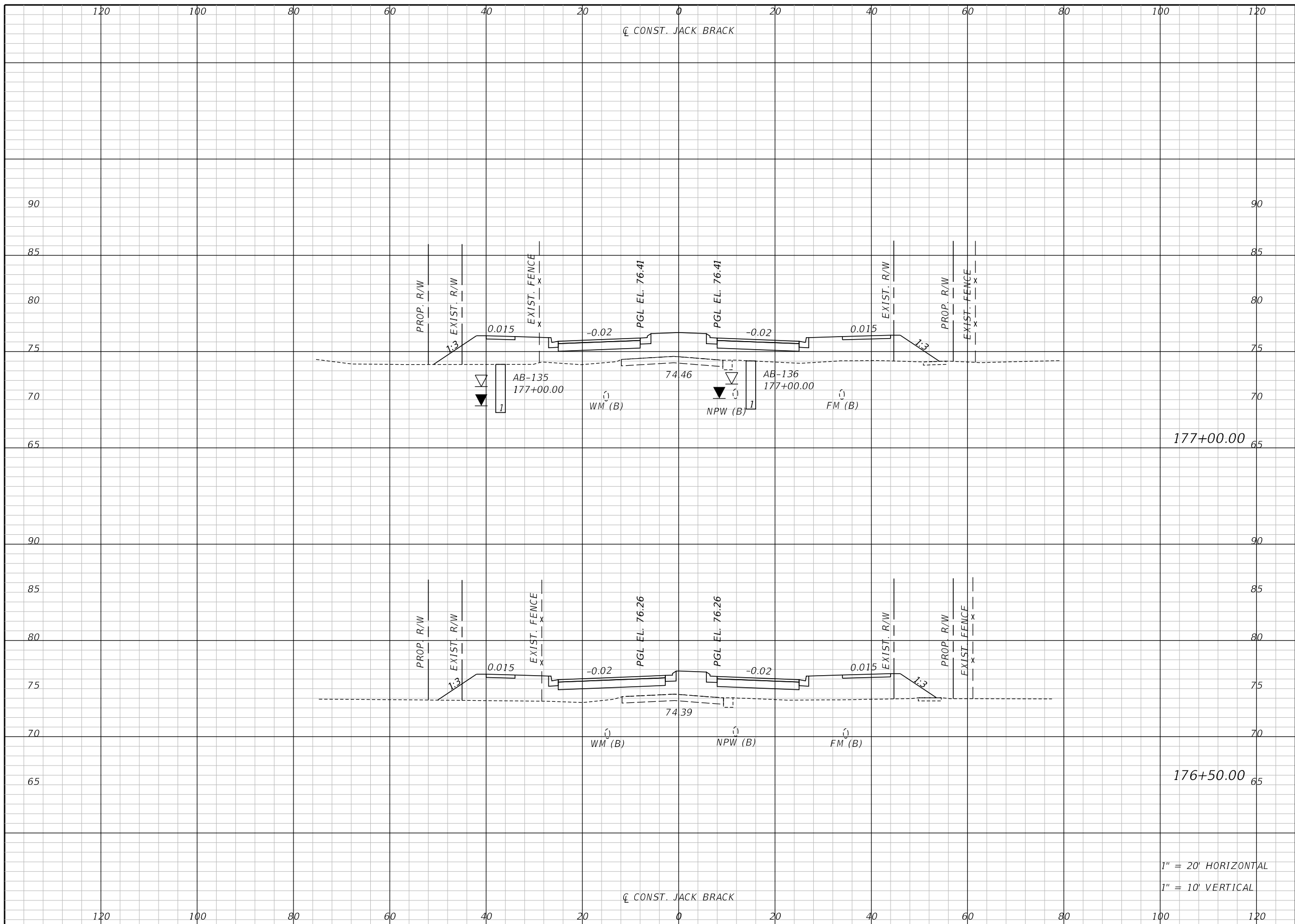


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET
NO.
262

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Regular		Exc.		Embankment	
A	V	A	V	A	V

177+00.00

176+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

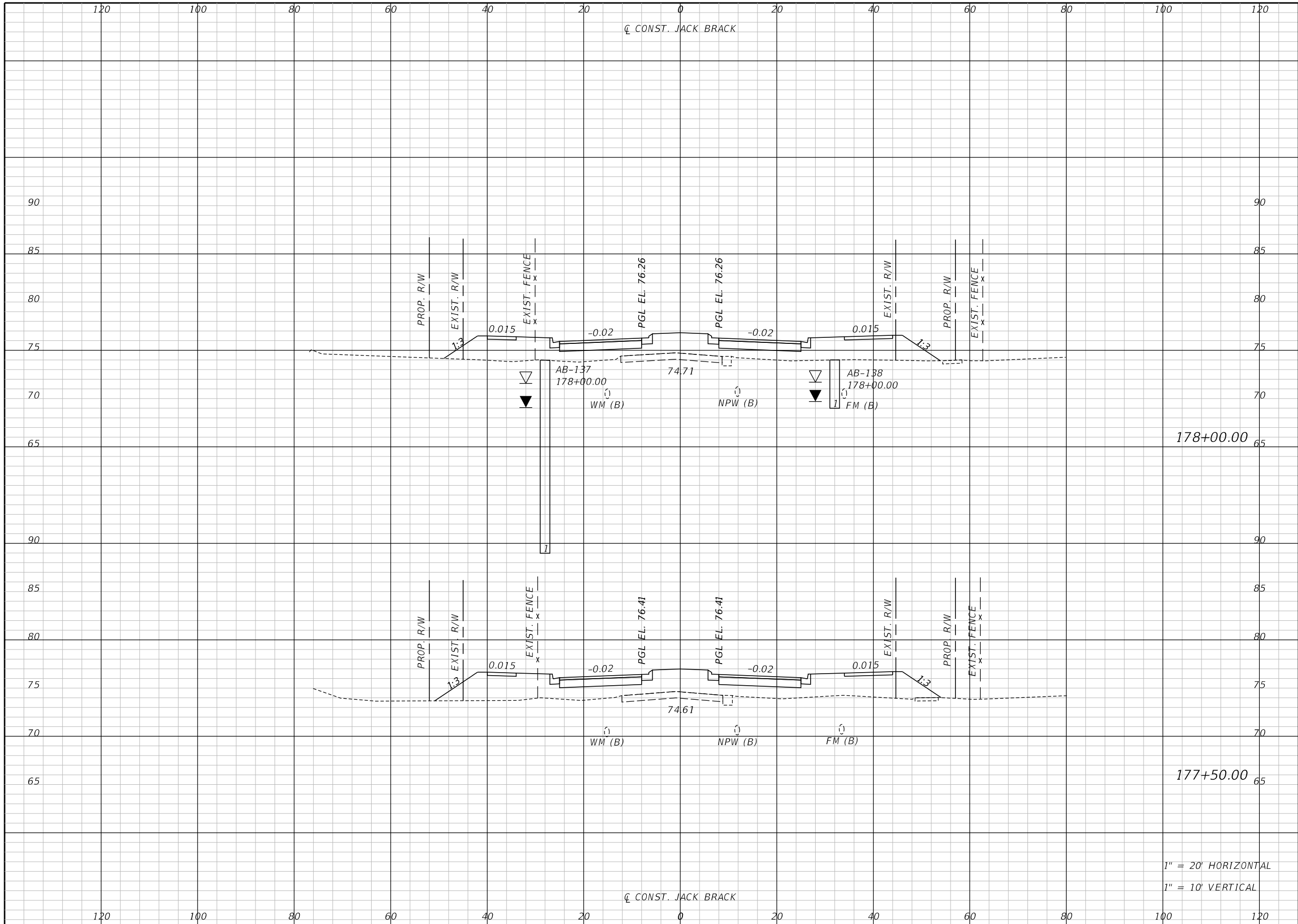
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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CROSS SECTIONS

SHEET NO.
263

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Regular		Exc.		Embankment	
A	V	A	V	A	V

178+00.00

177+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

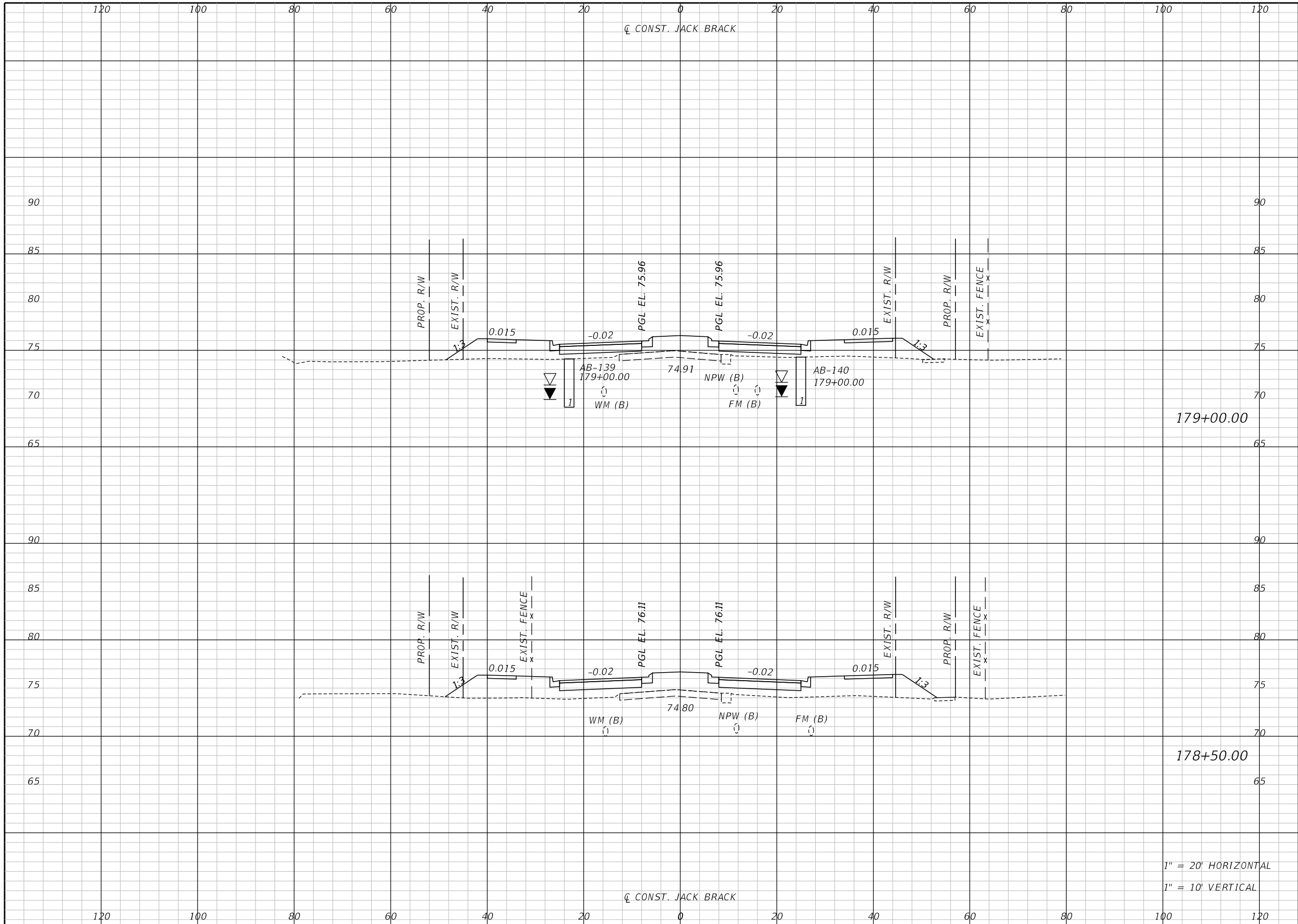
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET
NO.
264

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	A	V

179+00.00

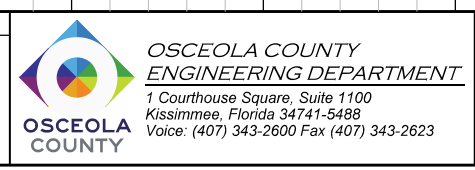
178+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

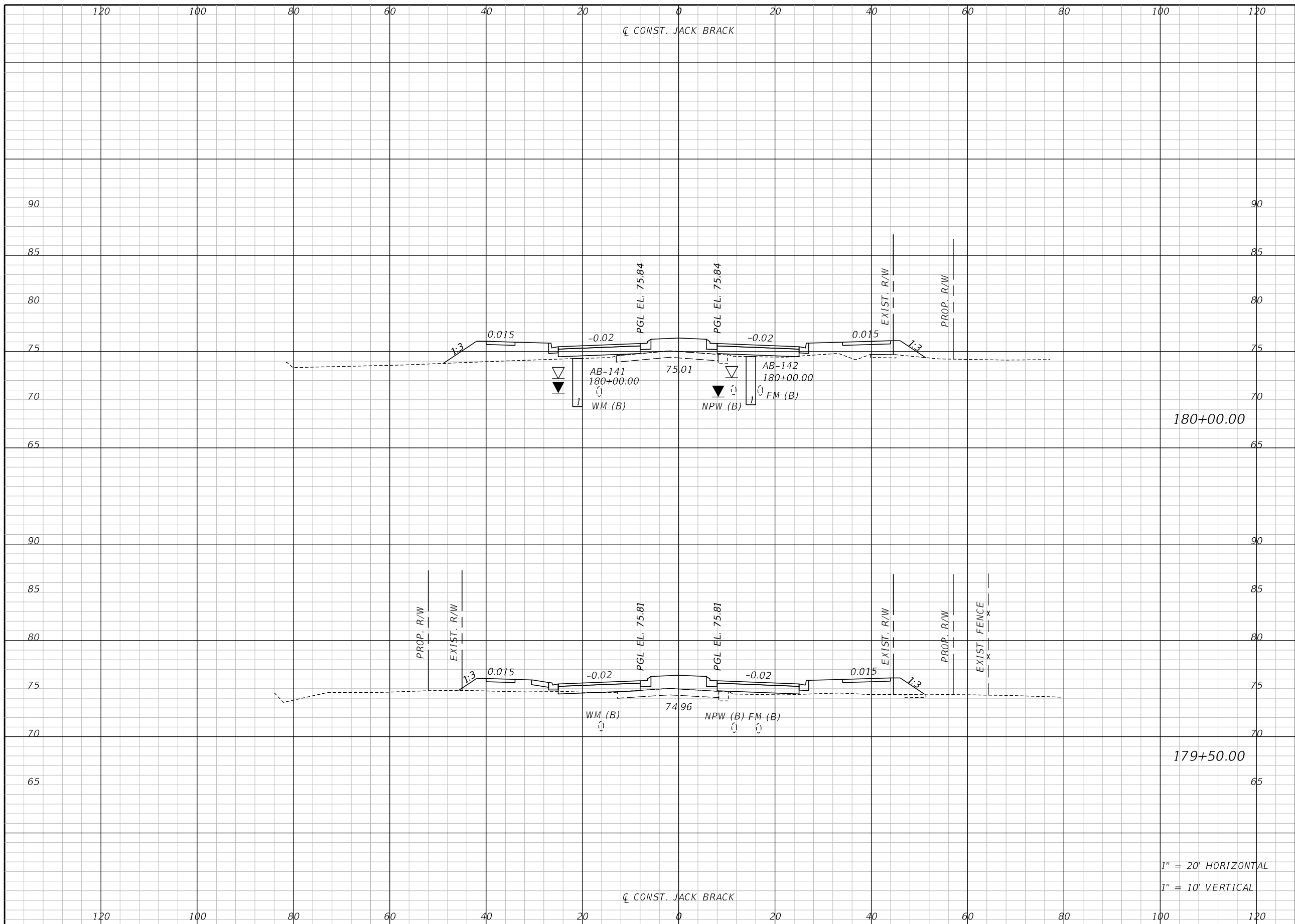
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
265

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Regular		Exc.		Embankment	
A	V	A	V	A	V

180+00.00

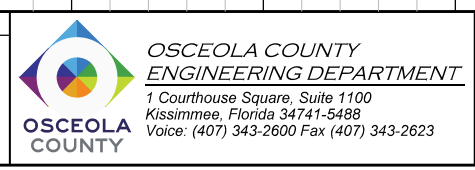
179+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

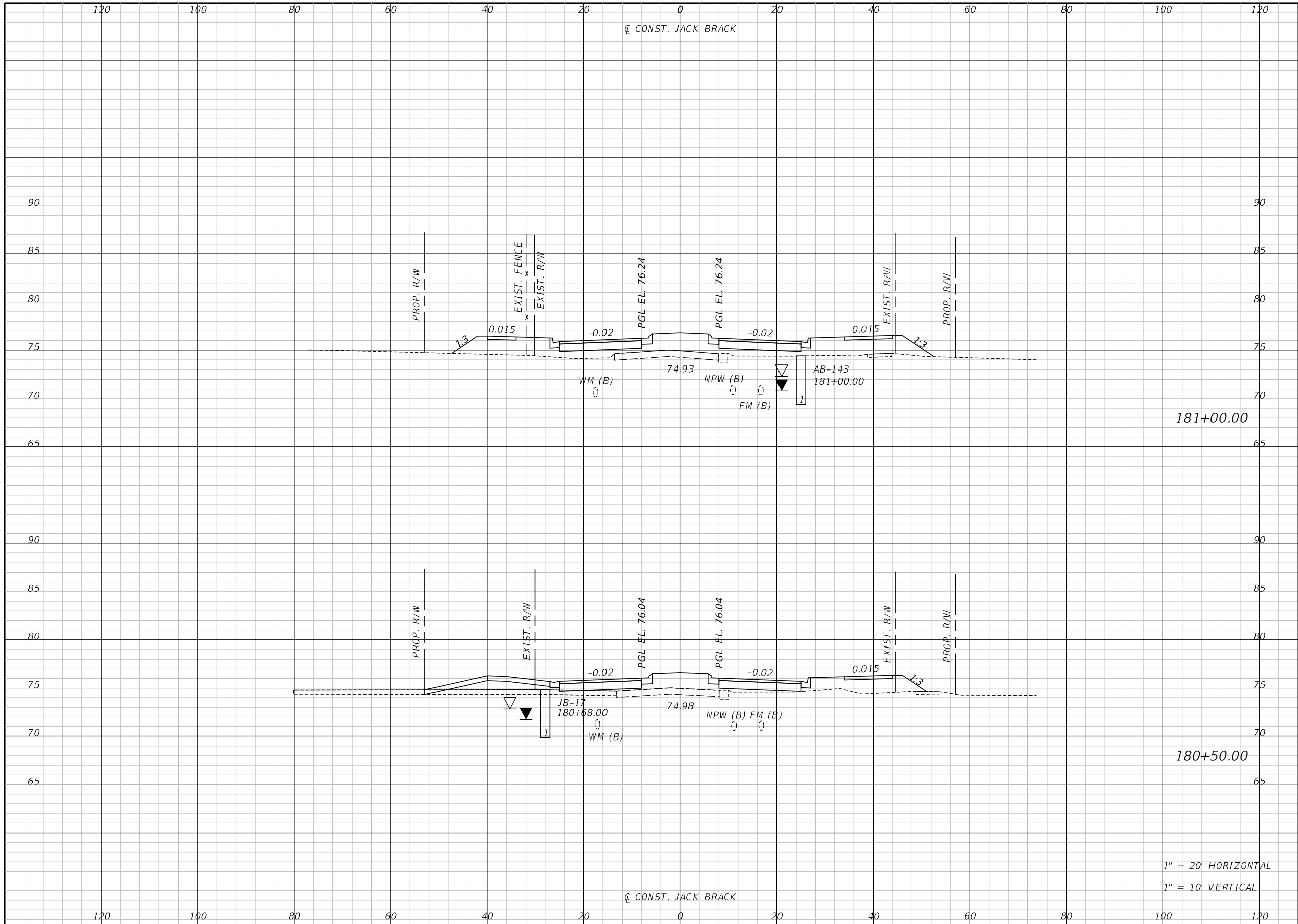
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
266

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Regular		Exc.		Embankment	
A	V	A	V	A	V

181+00.00

180+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

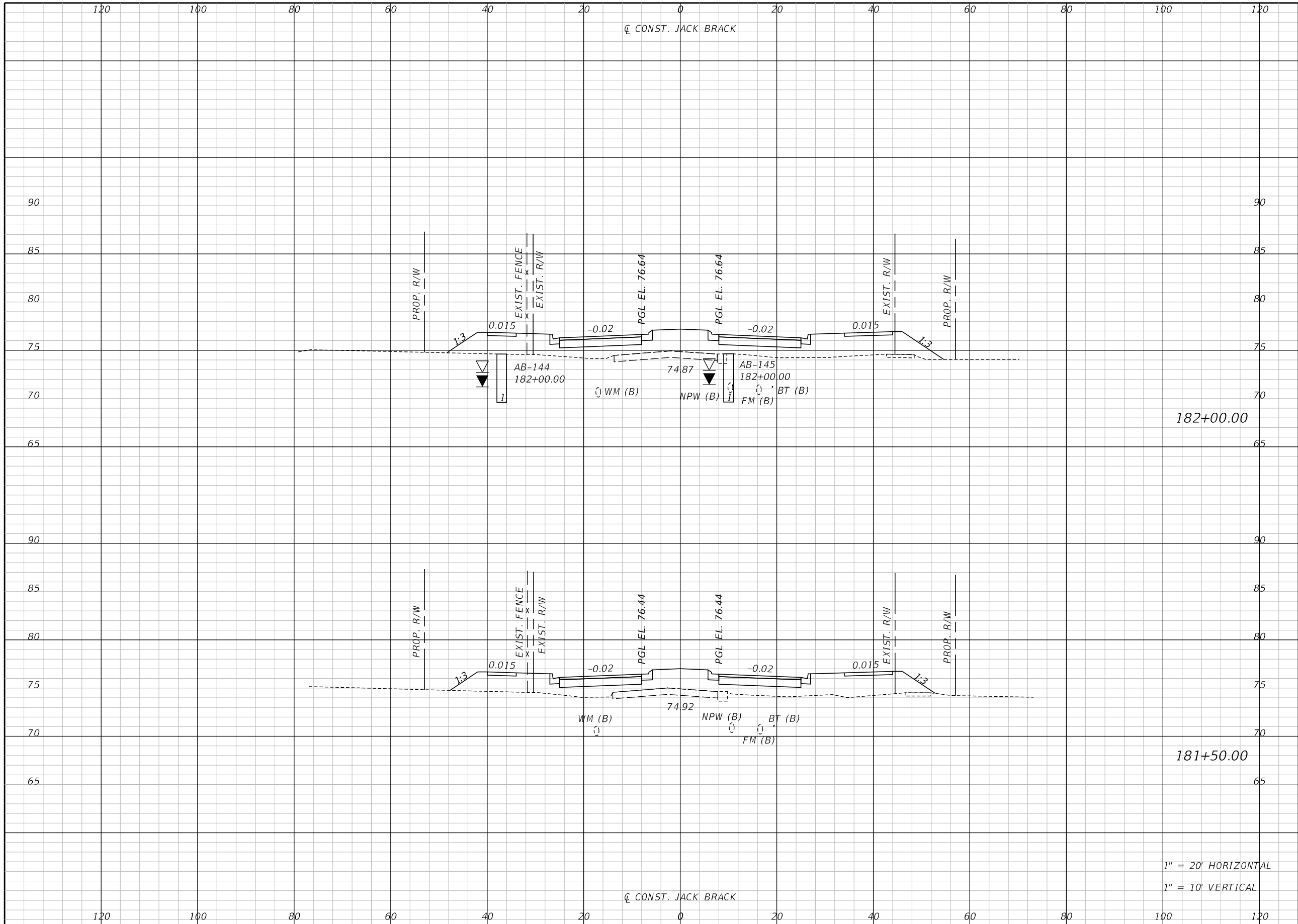
ENGINEER OF RECORD
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Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
267

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	A	V

182+00.00

181+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

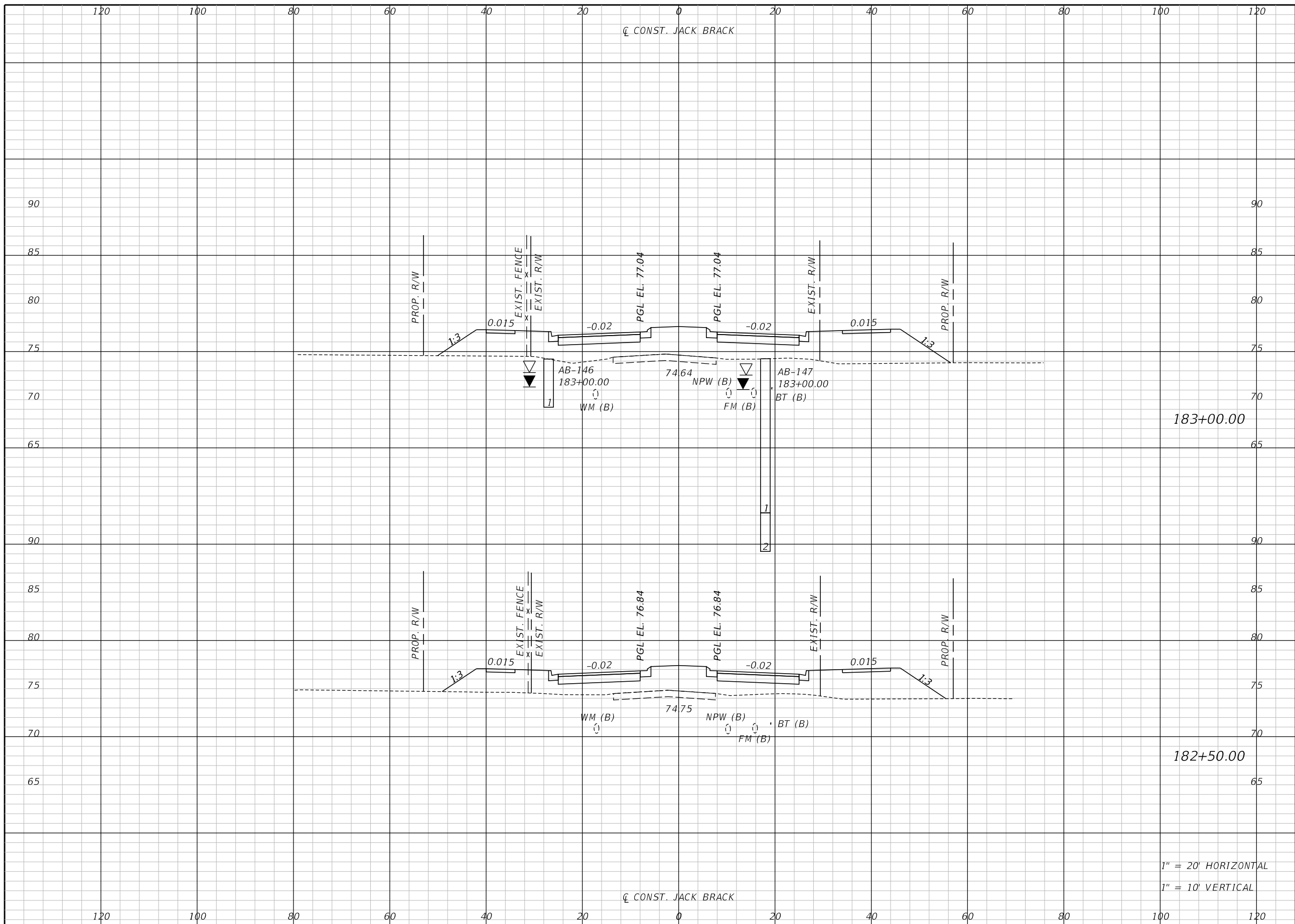
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
268

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	A	V

183+00.00

182+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

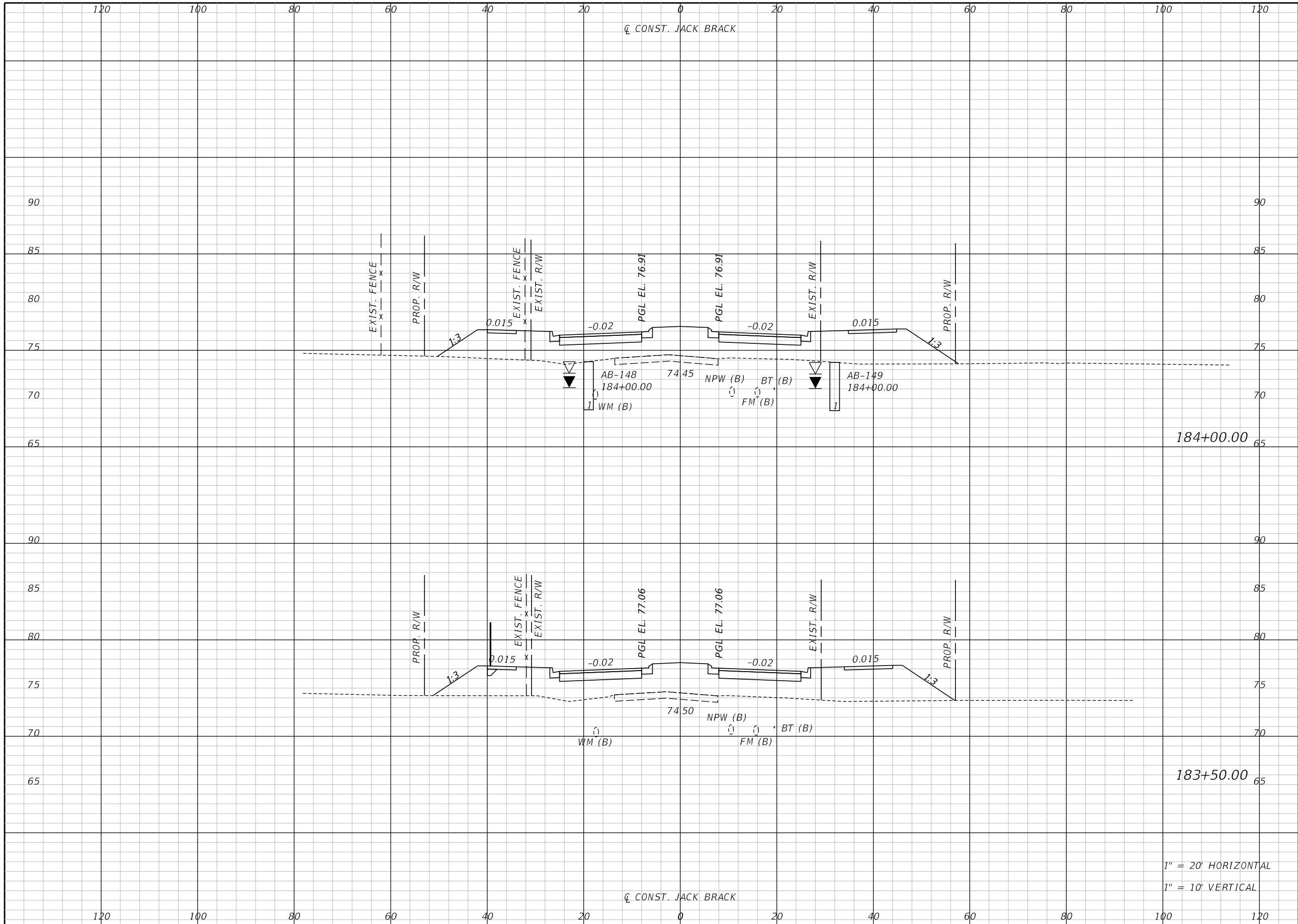
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
269

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Regular		Exc.		Embankment	
A	V	A	V	A	V

184+00.00

183+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

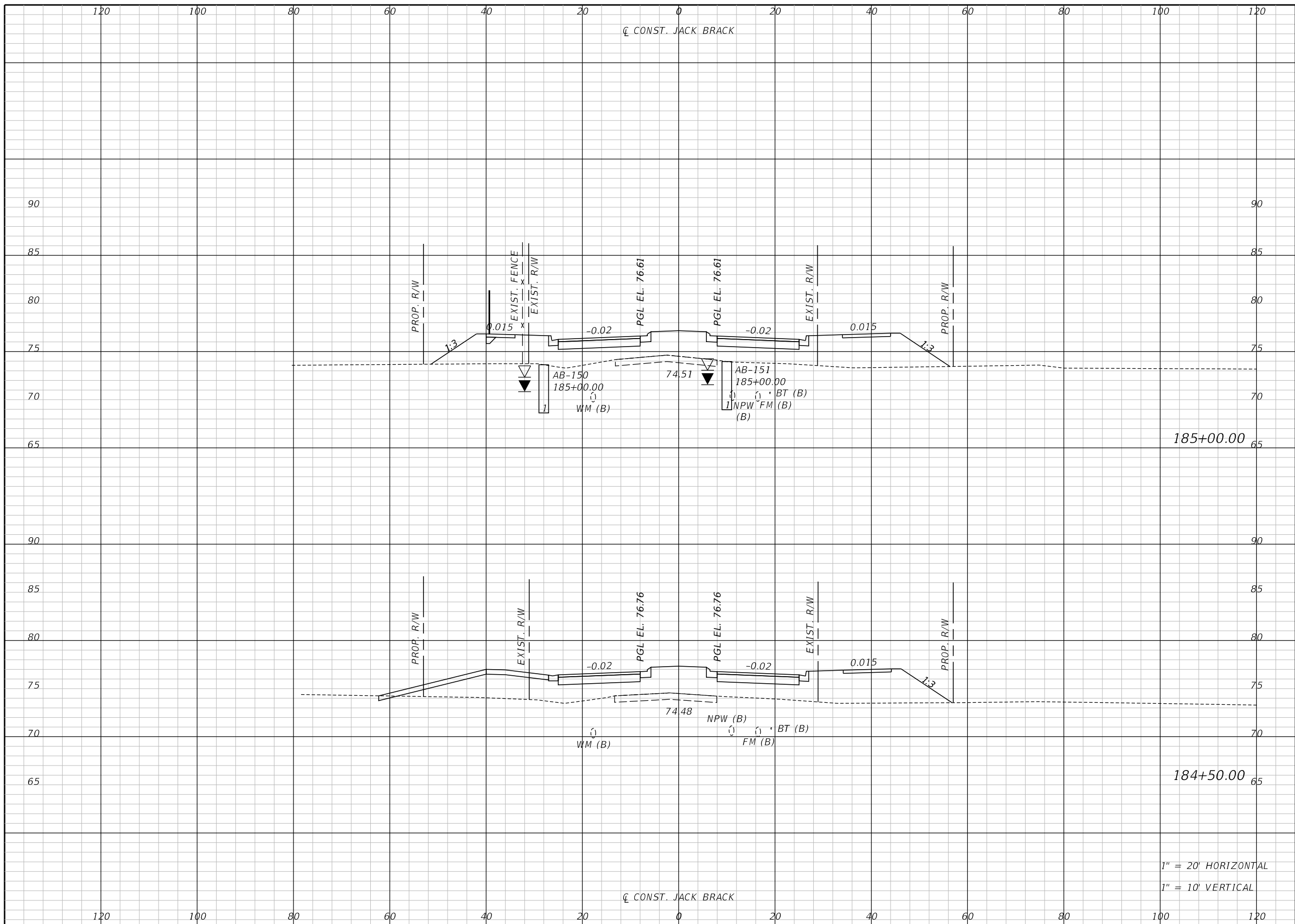
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
270

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Regular		Exc.		Embankment	
A	V	A	V	A	V

185+00.00

184+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

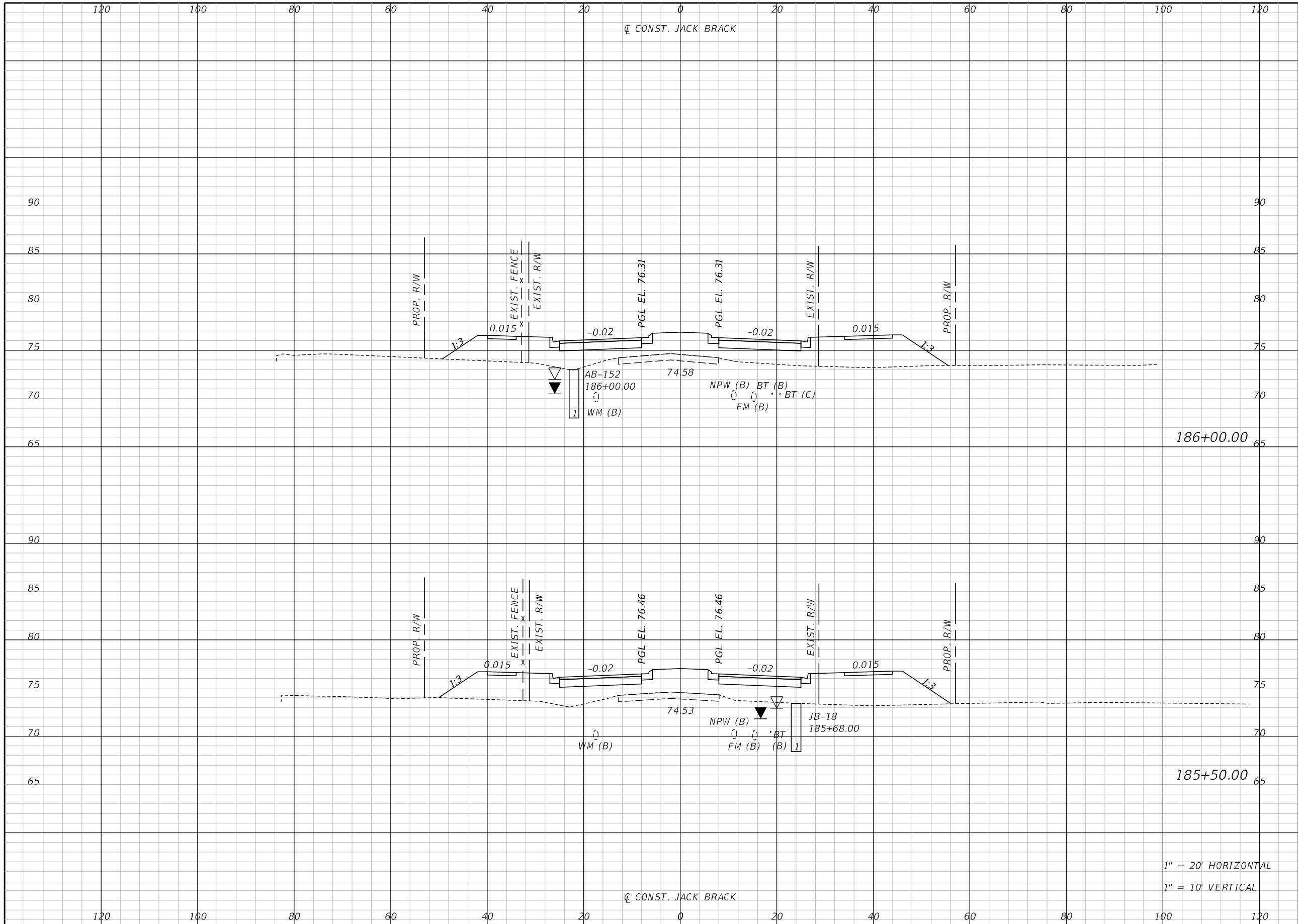
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
271

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Regular		Exc.		Embankment	
A	V	A	V	A	V

186+00.00

185+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

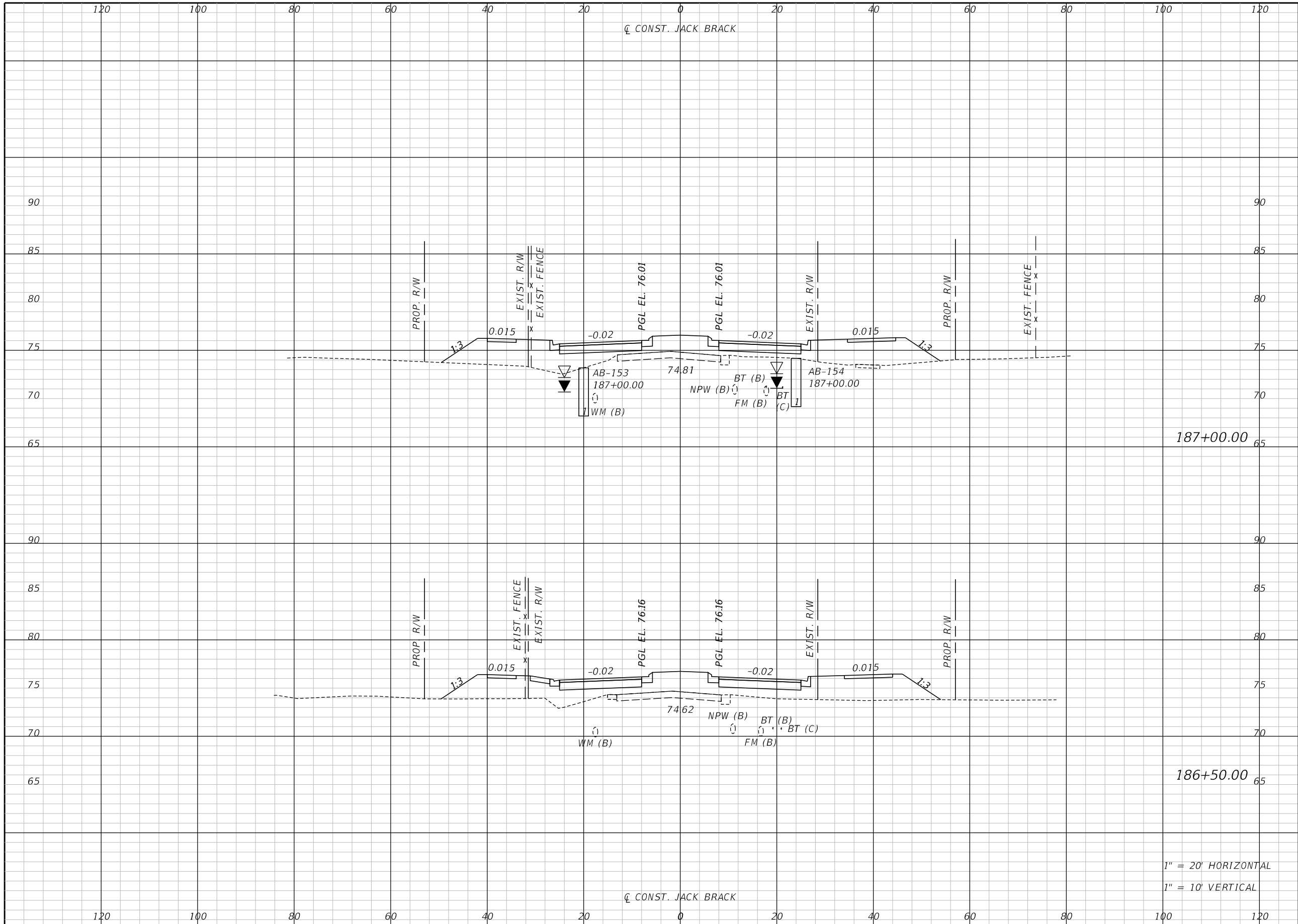
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
272

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Regular		Exc.		Embankment	
A	V	A	V	A	V

187+00.00

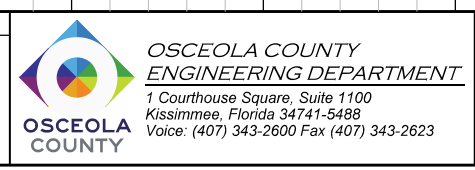
186+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

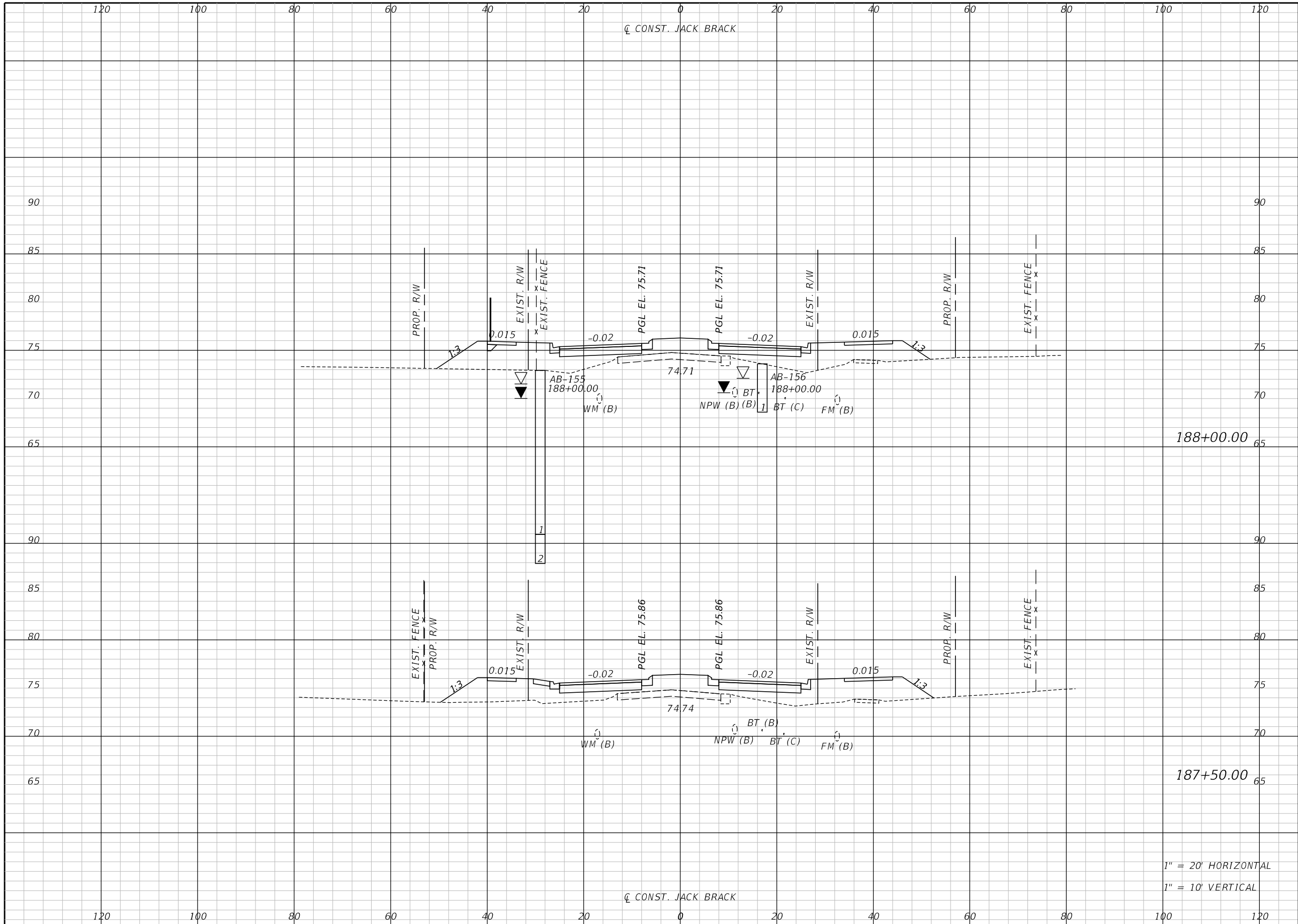
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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CROSS SECTIONS

SHEET NO.
273

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Regular		Exc.		Embankment	
A	V	A	V	A	V

188+00.00

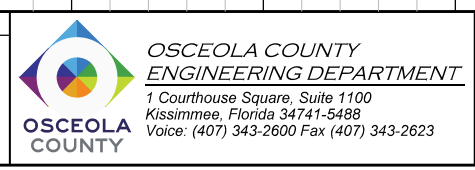
187+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

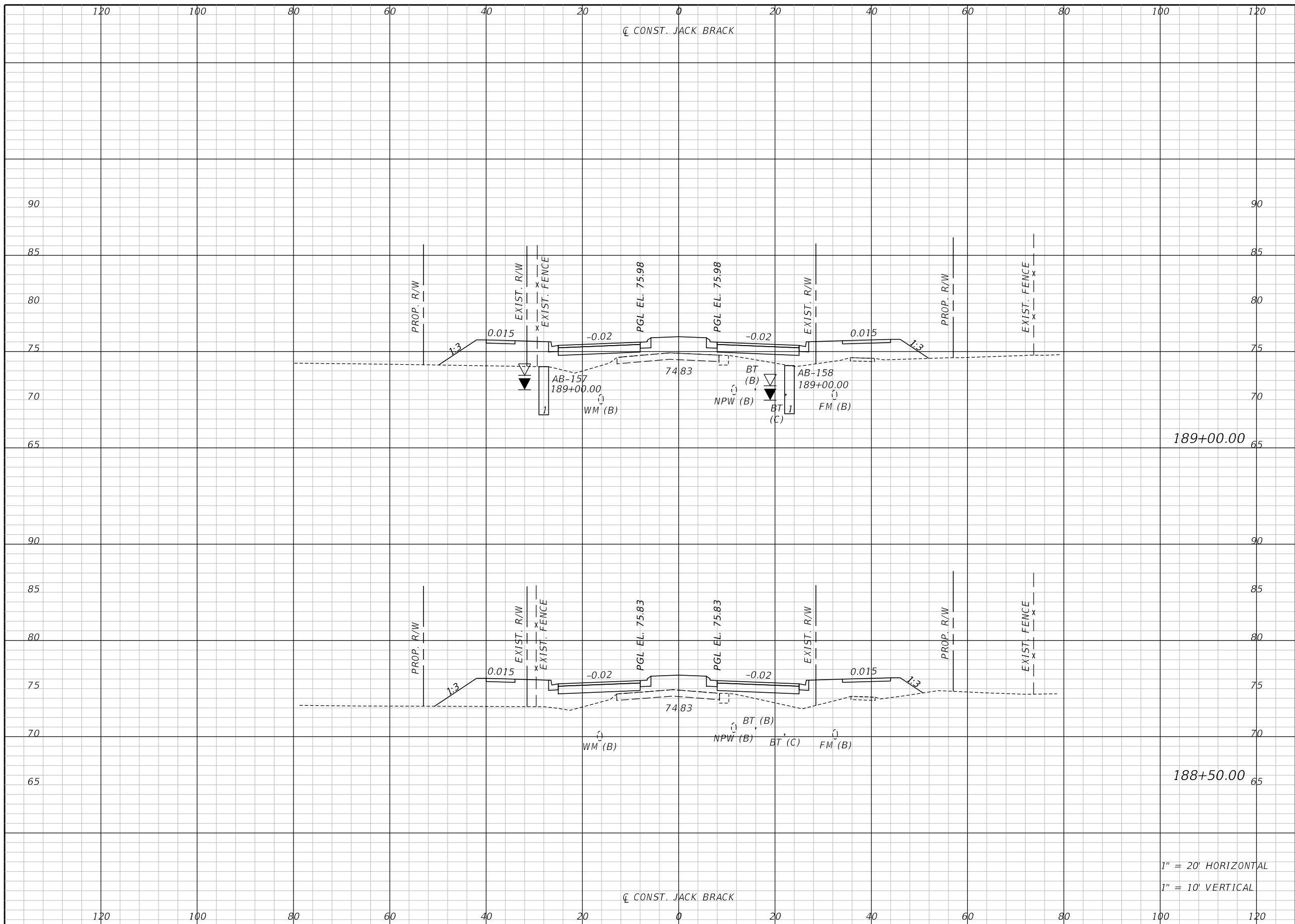
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
274

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Regular		Exc.		Embankment	
A	V	A	V	A	V

189+00.00

188+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

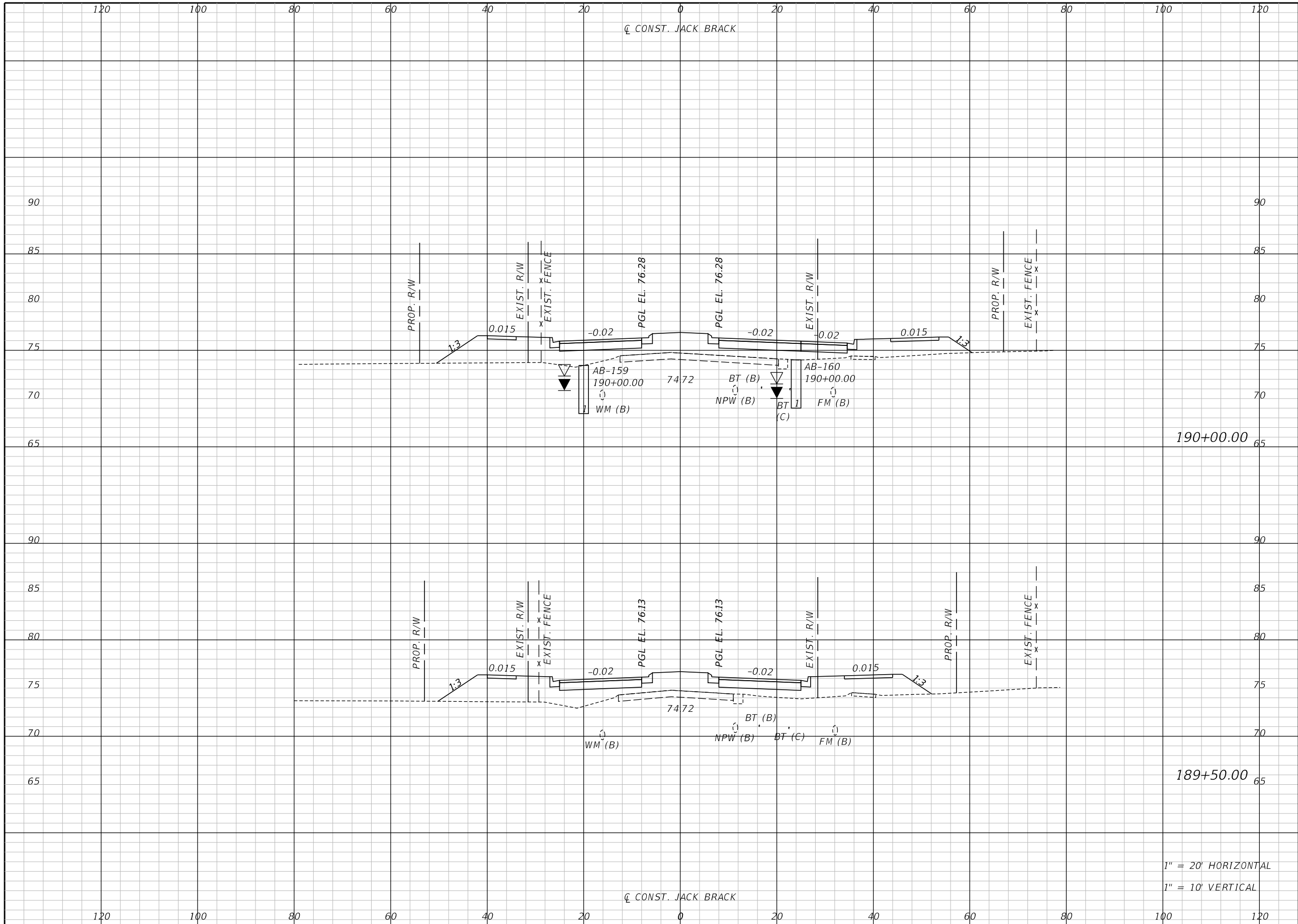
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET
NO.
275

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Regular		Exc.		Embankment	
A	V	A	V	A	V

190+00.00

189+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

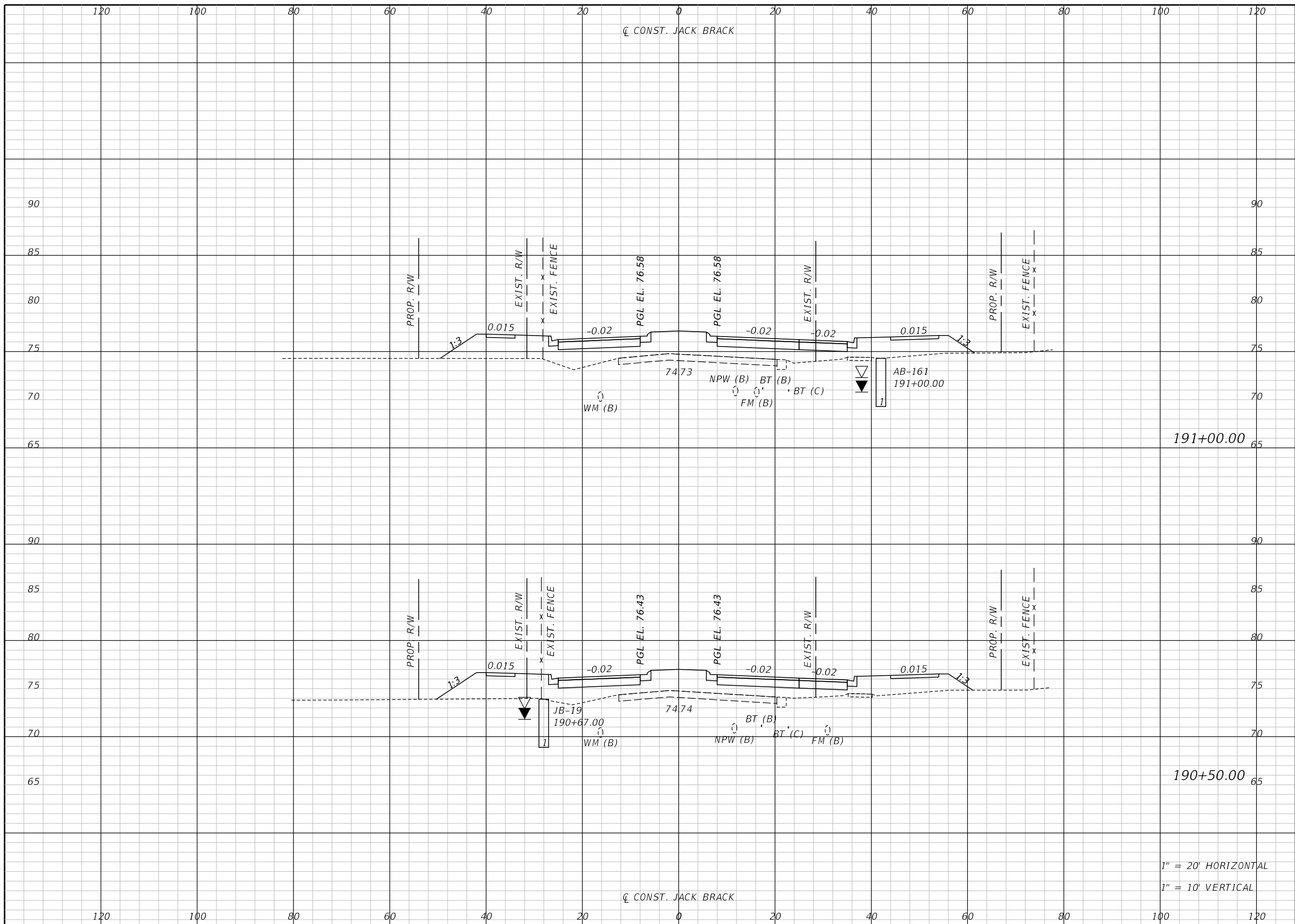
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

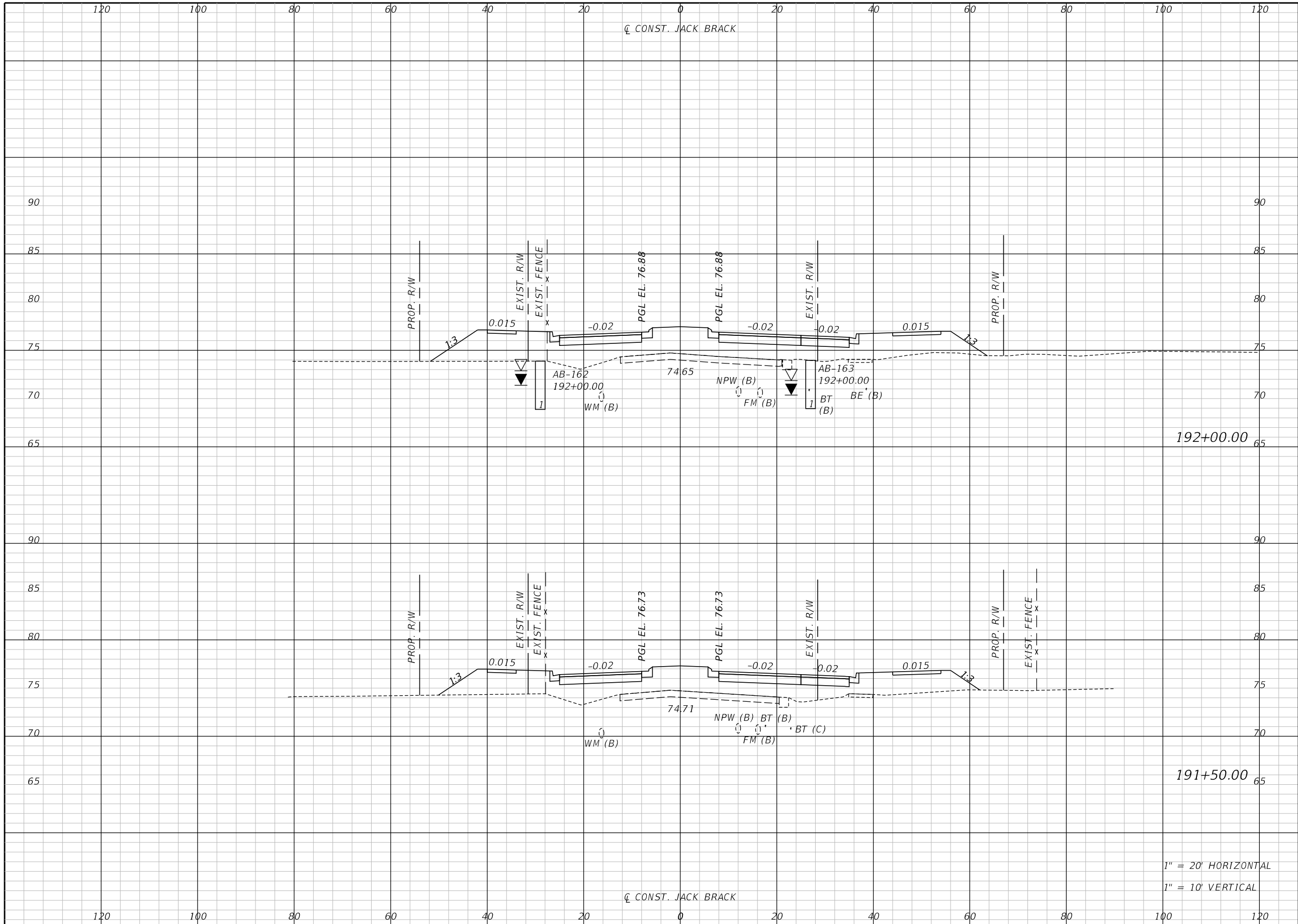
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
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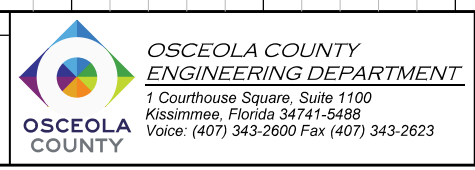
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

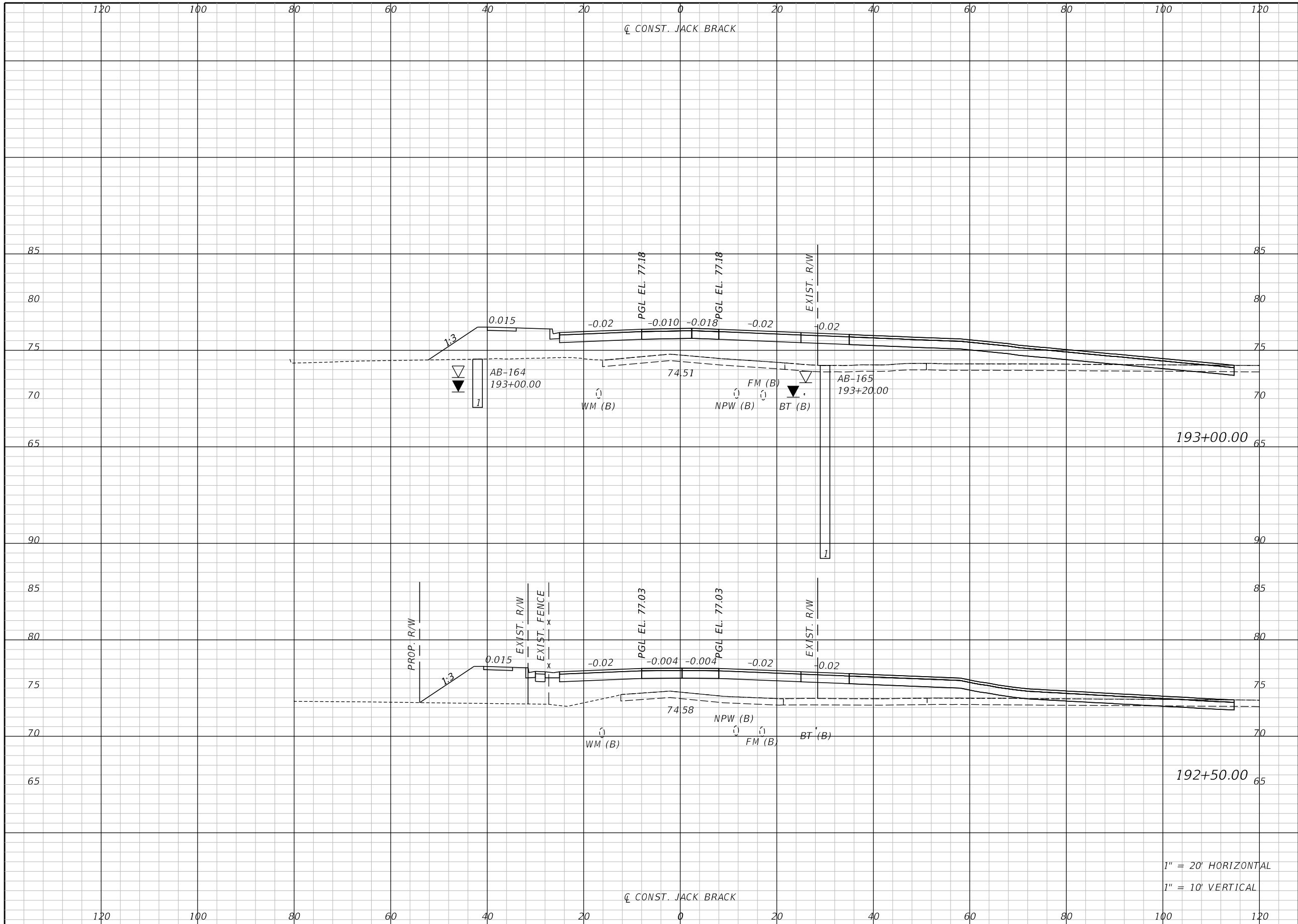
ENGINEER OF RECORD
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CROSS SECTIONS

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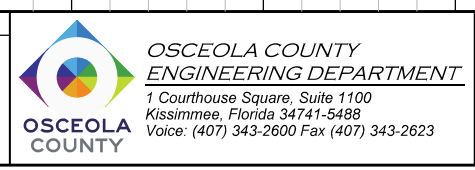
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

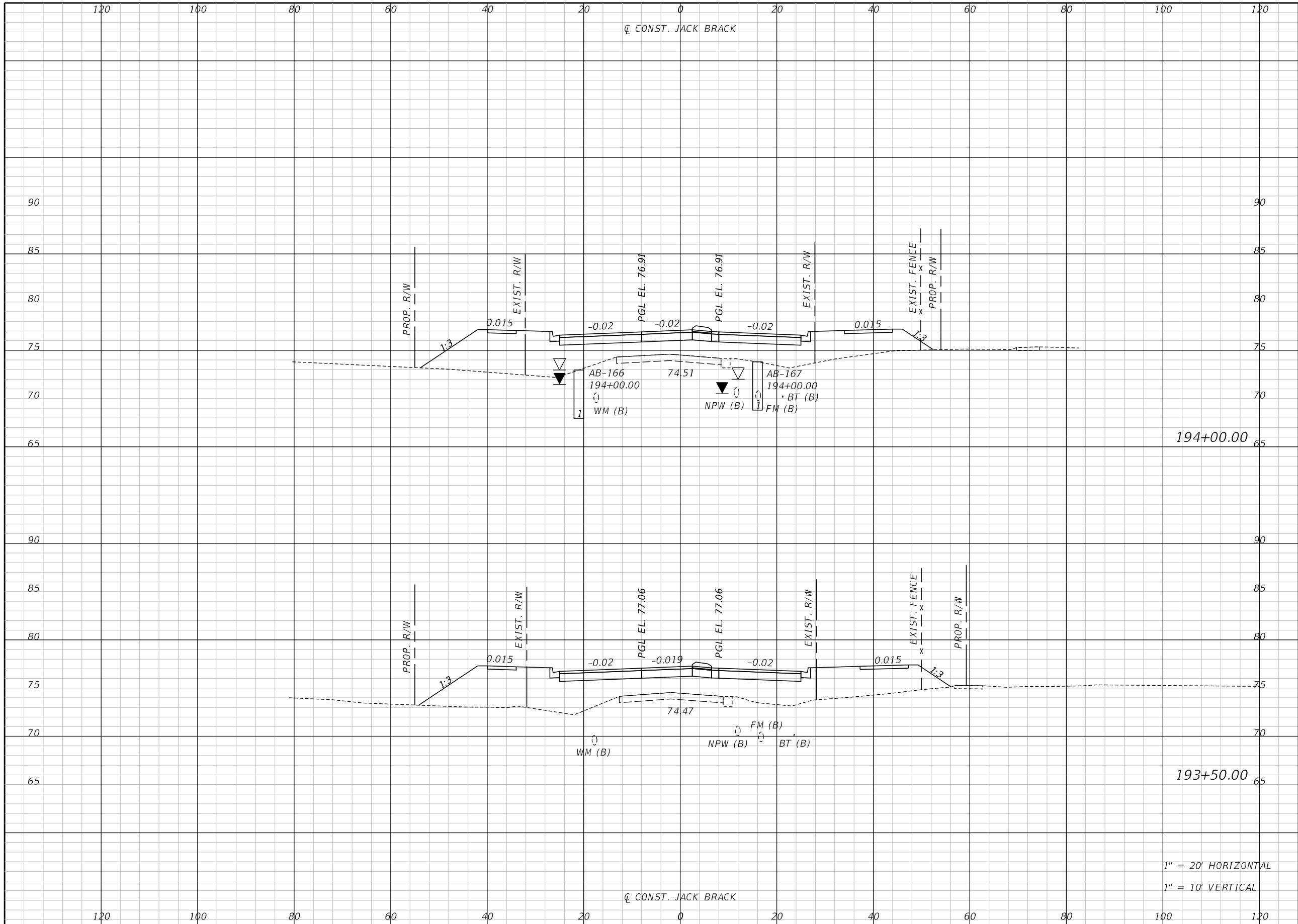
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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CROSS SECTIONS

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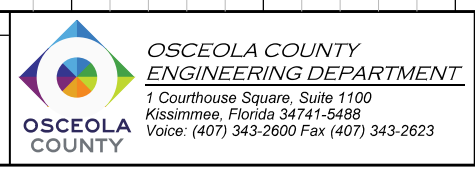
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

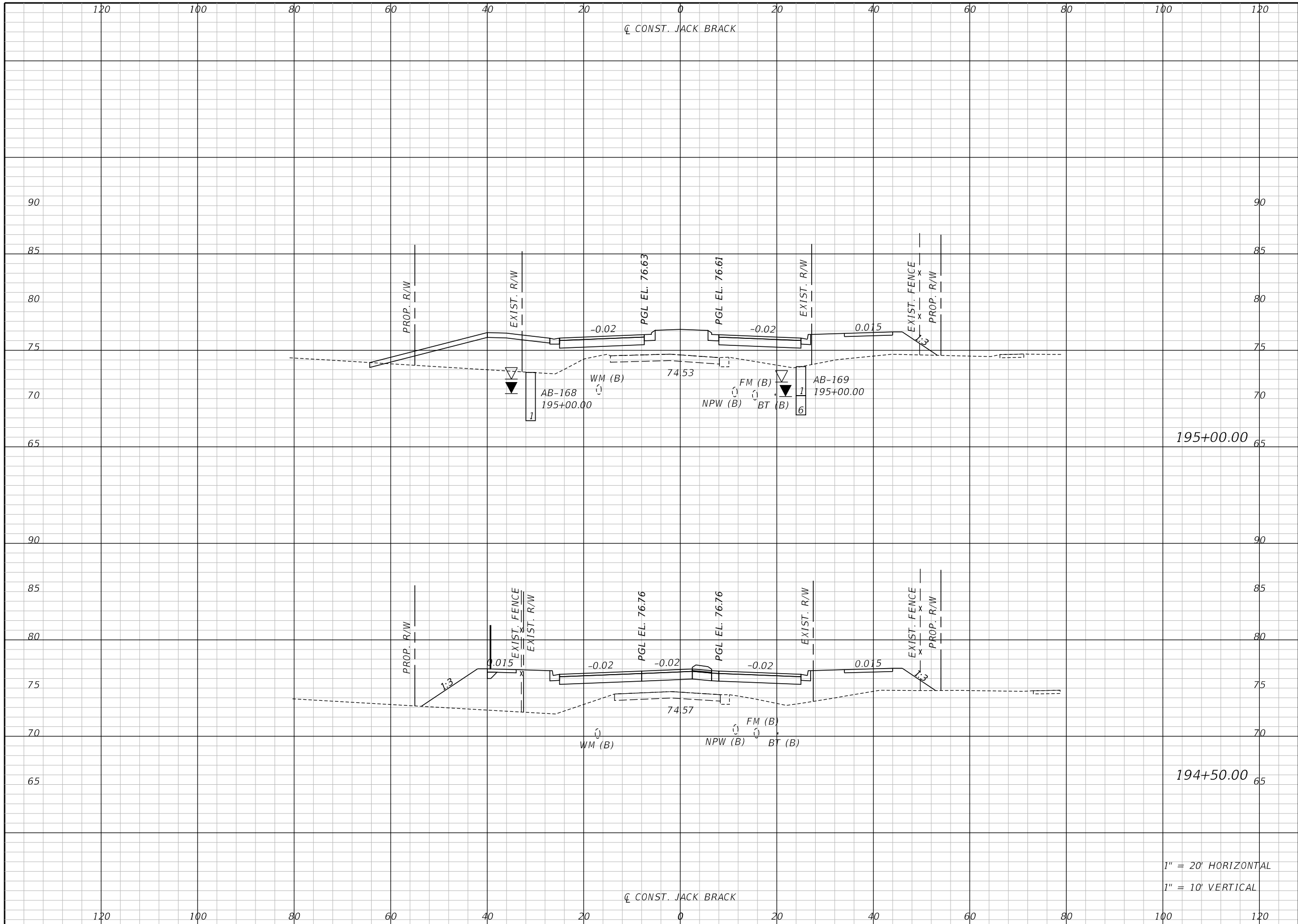
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
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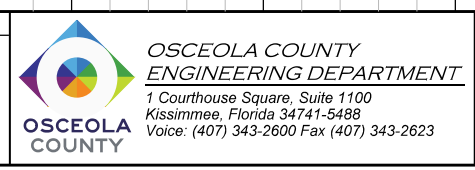
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

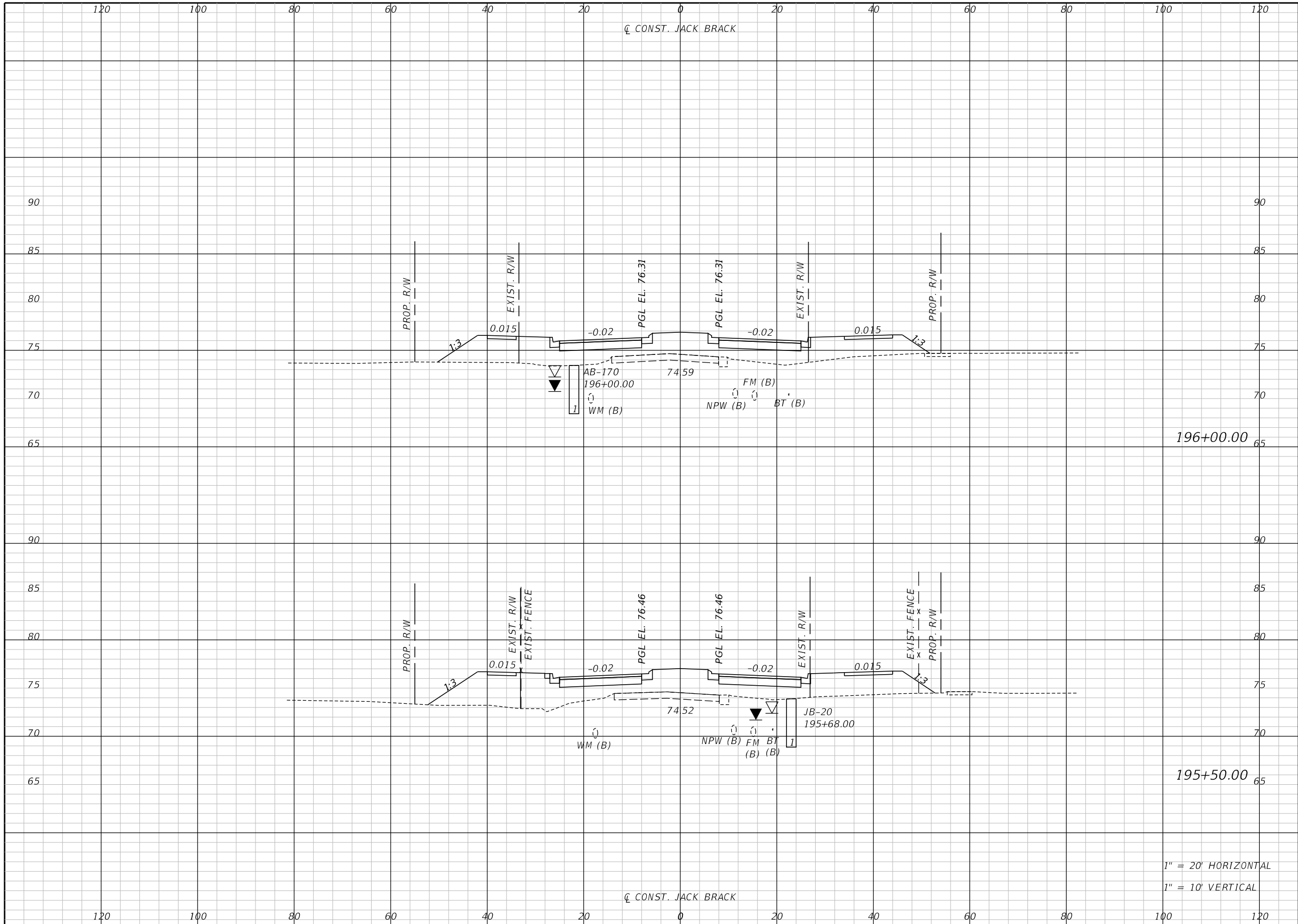
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
281

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Regular		Exc.		Embankment	
A	V	A	V	A	V

196+00.00

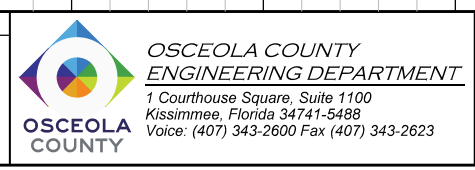
195+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

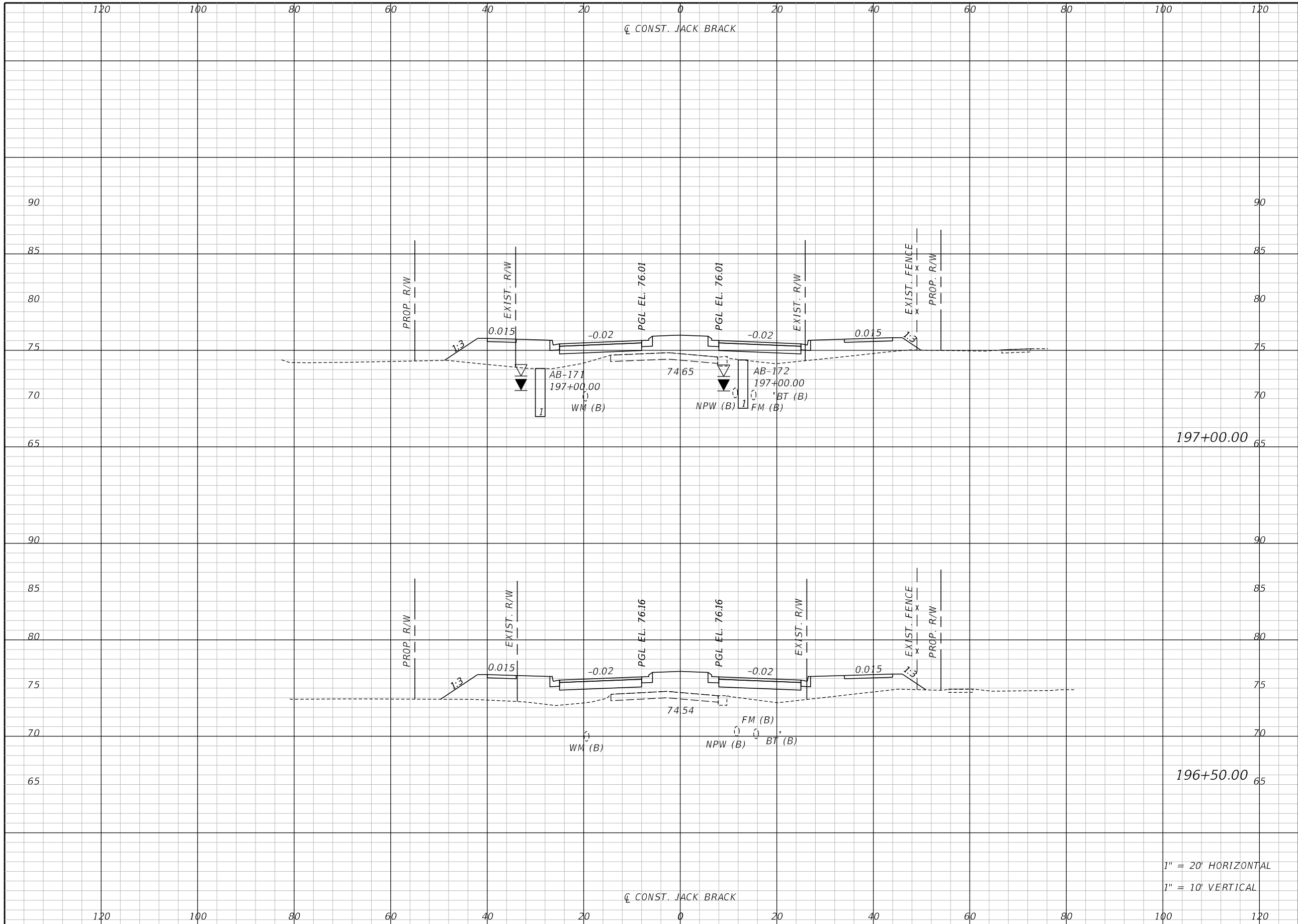
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET
NO.
282

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	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

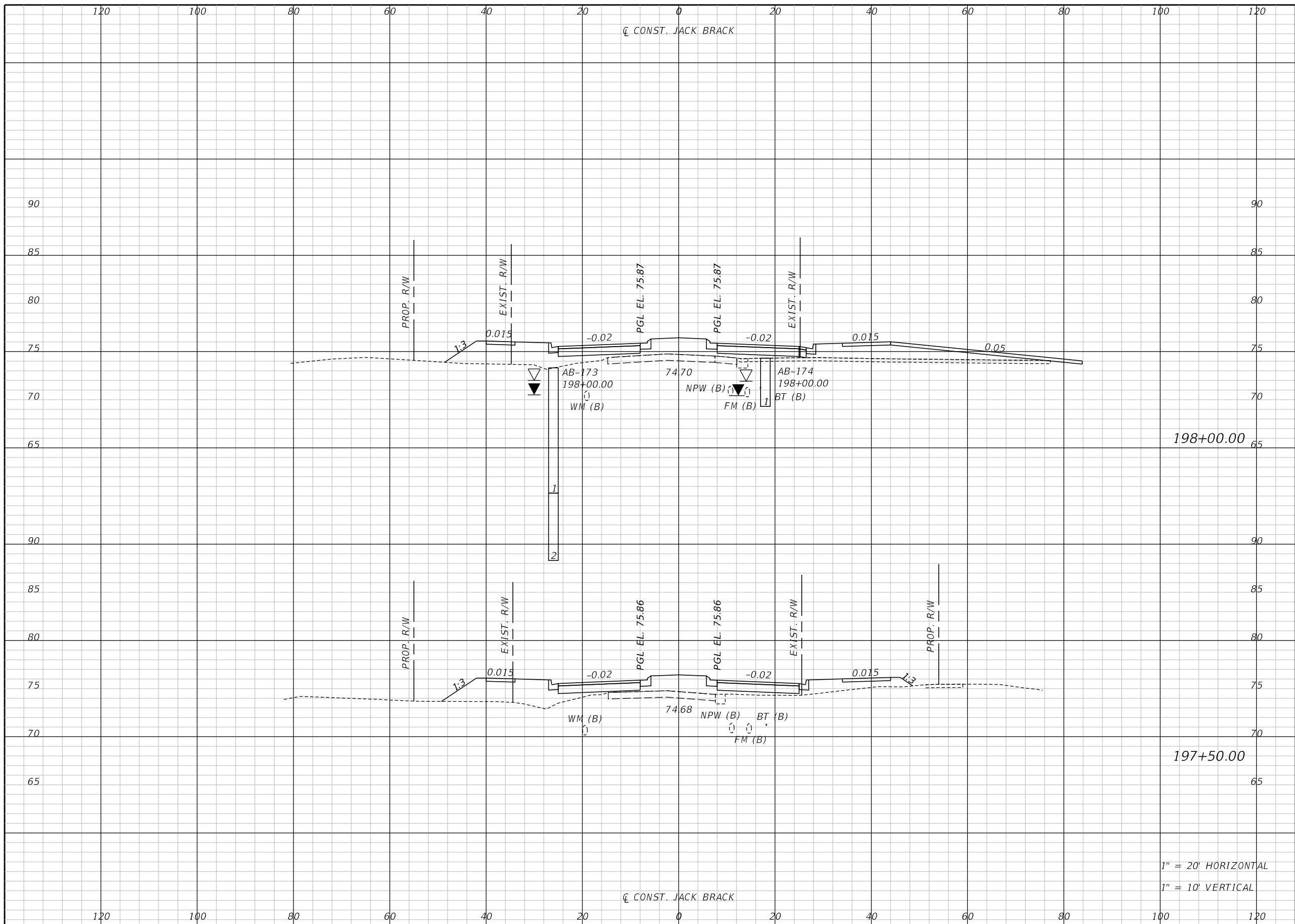


CROSS SECTIONS

SHEET NO.
283

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



Regular		Exc.		Embankment	
A	V	A	V	A	V

198+00.00

197+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

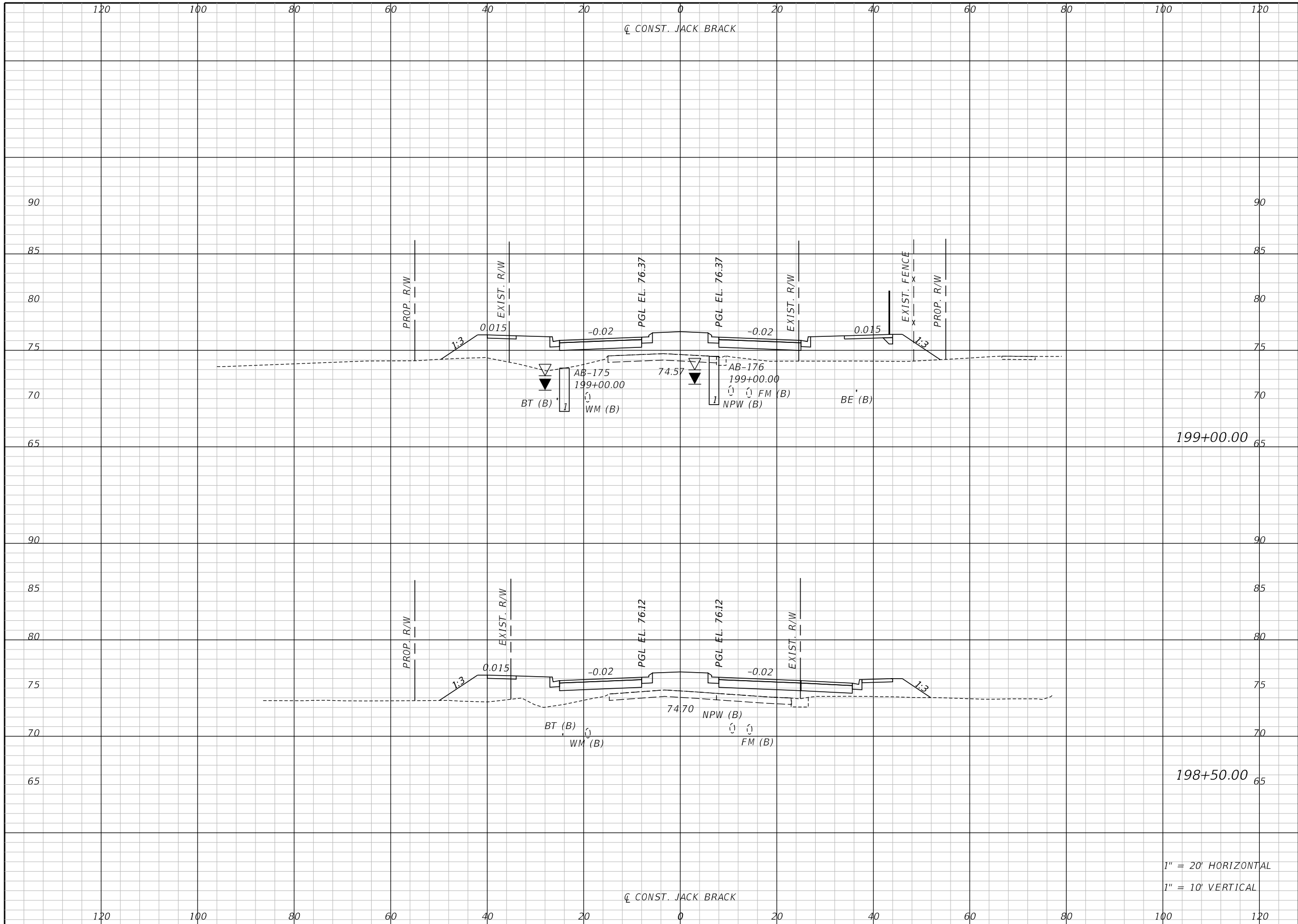
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

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	A	V

199+00.00

198+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

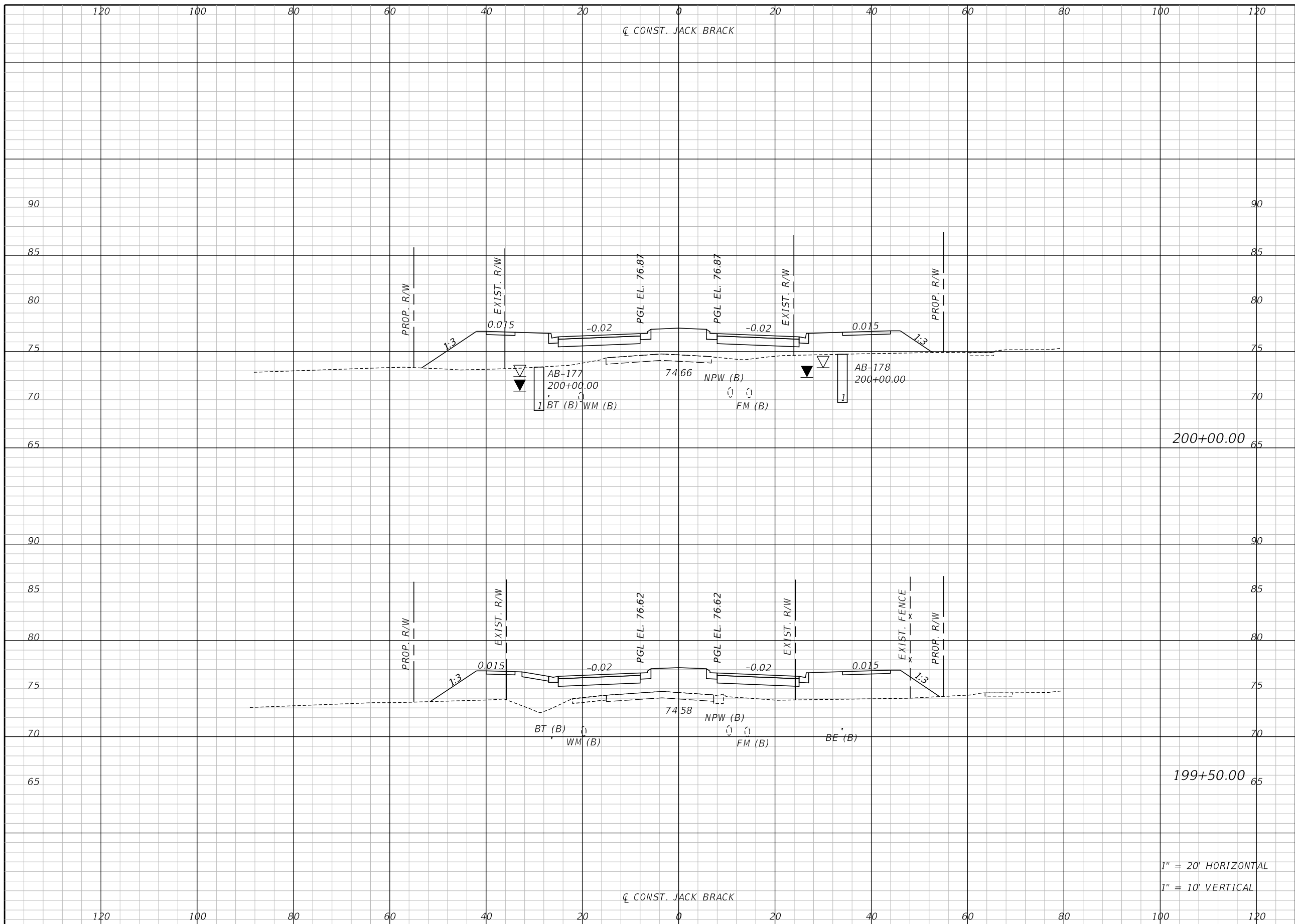
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
285

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	A	V

200+00.00

199+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

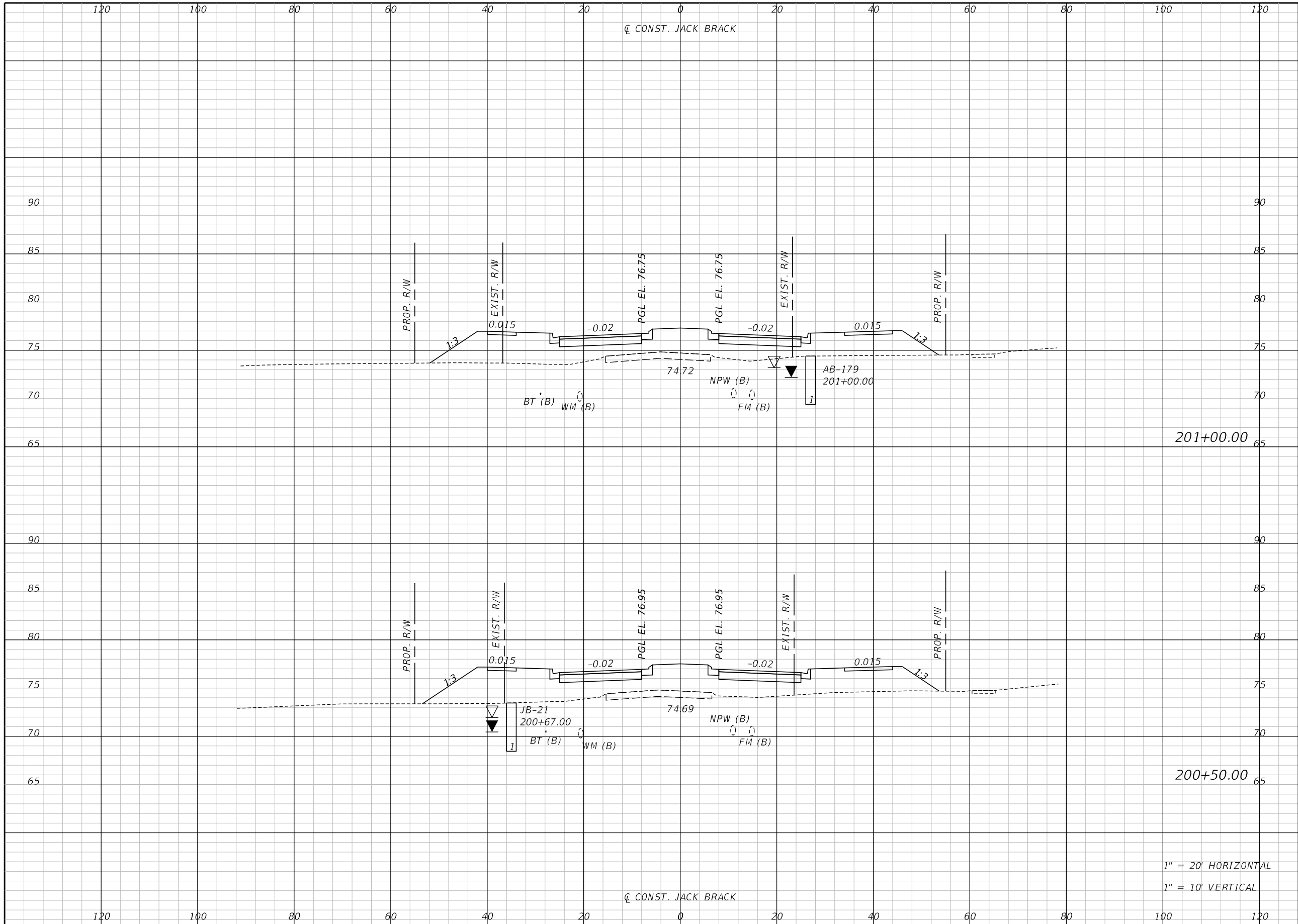
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
286

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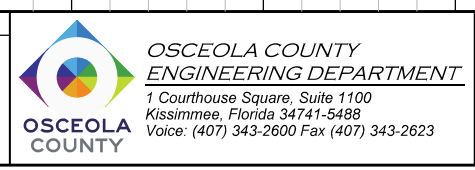
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

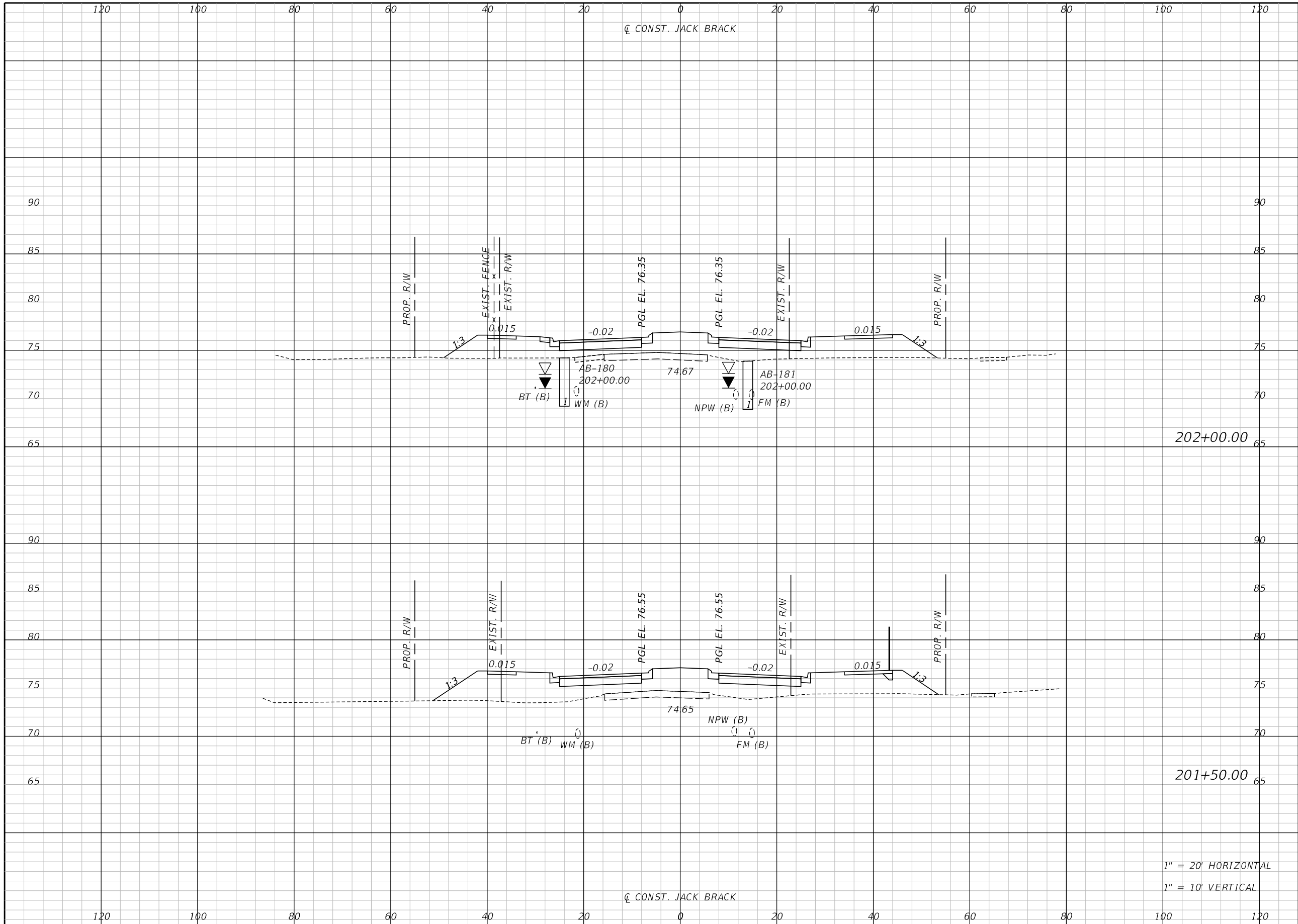
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
287

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Regular		Exc.		Embankment	
A	V	A	V	A	V

202+00.00

201+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

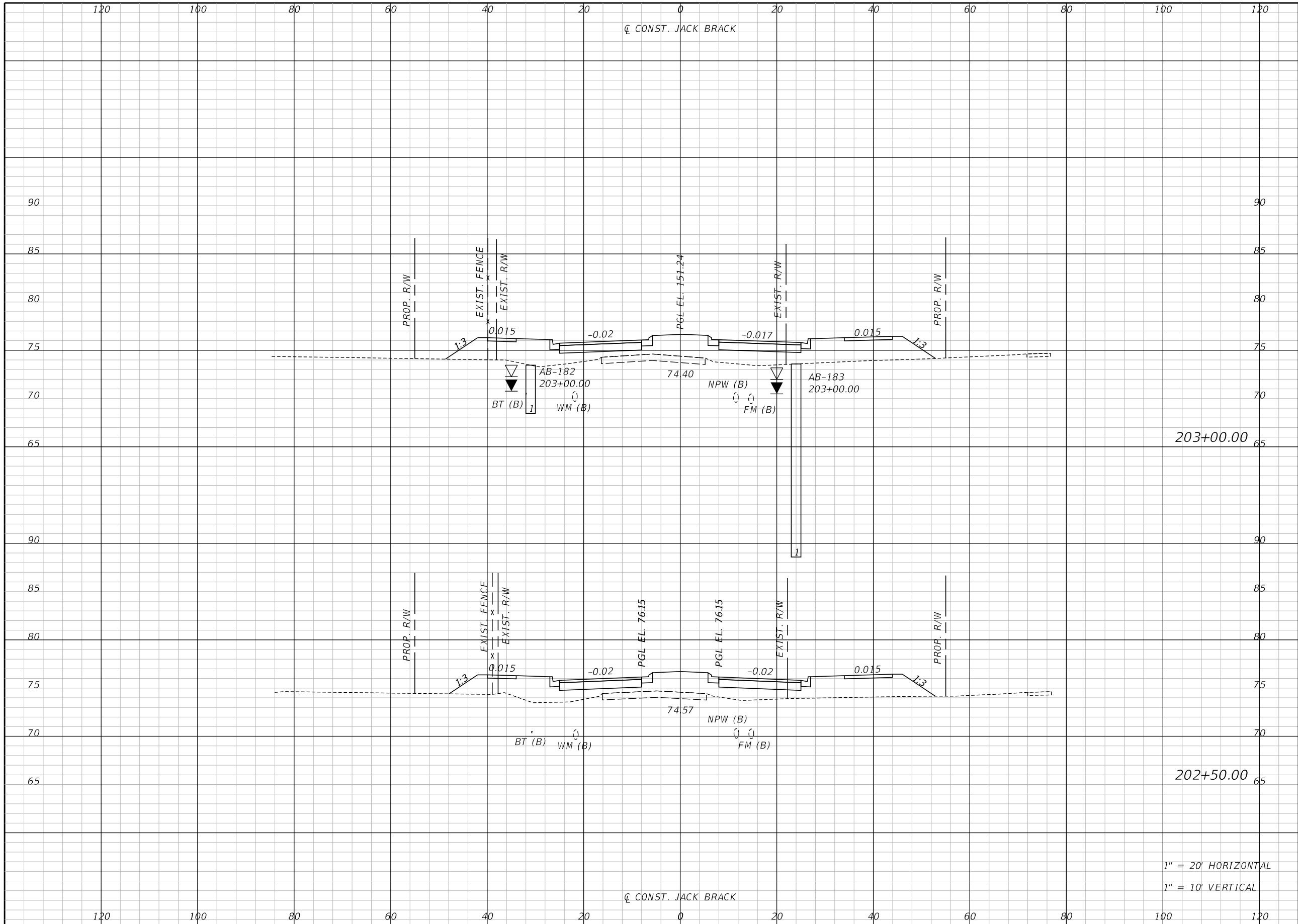
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
288

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Regular		Exc.		Embankment	
A	V	A	V	A	V

203+00.00

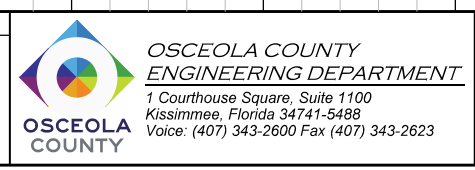
202+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

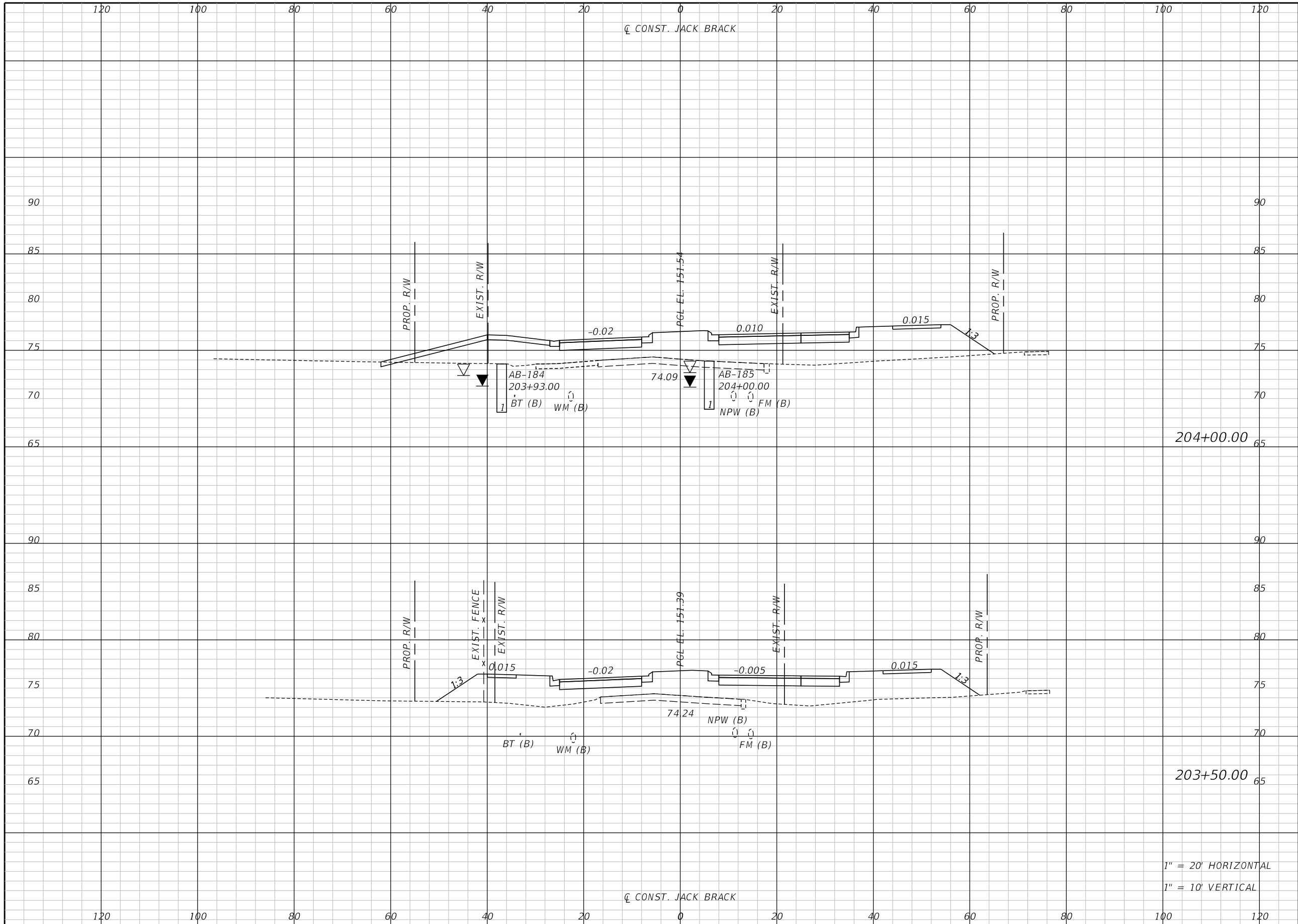
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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CROSS SECTIONS

SHEET NO.
289

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Regular		Exc.		Embankment	
A	V	A	V	A	V

204+00.00

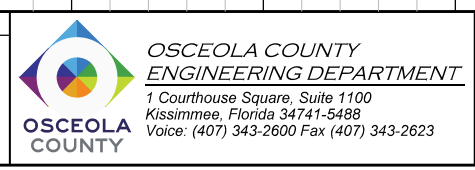
203+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

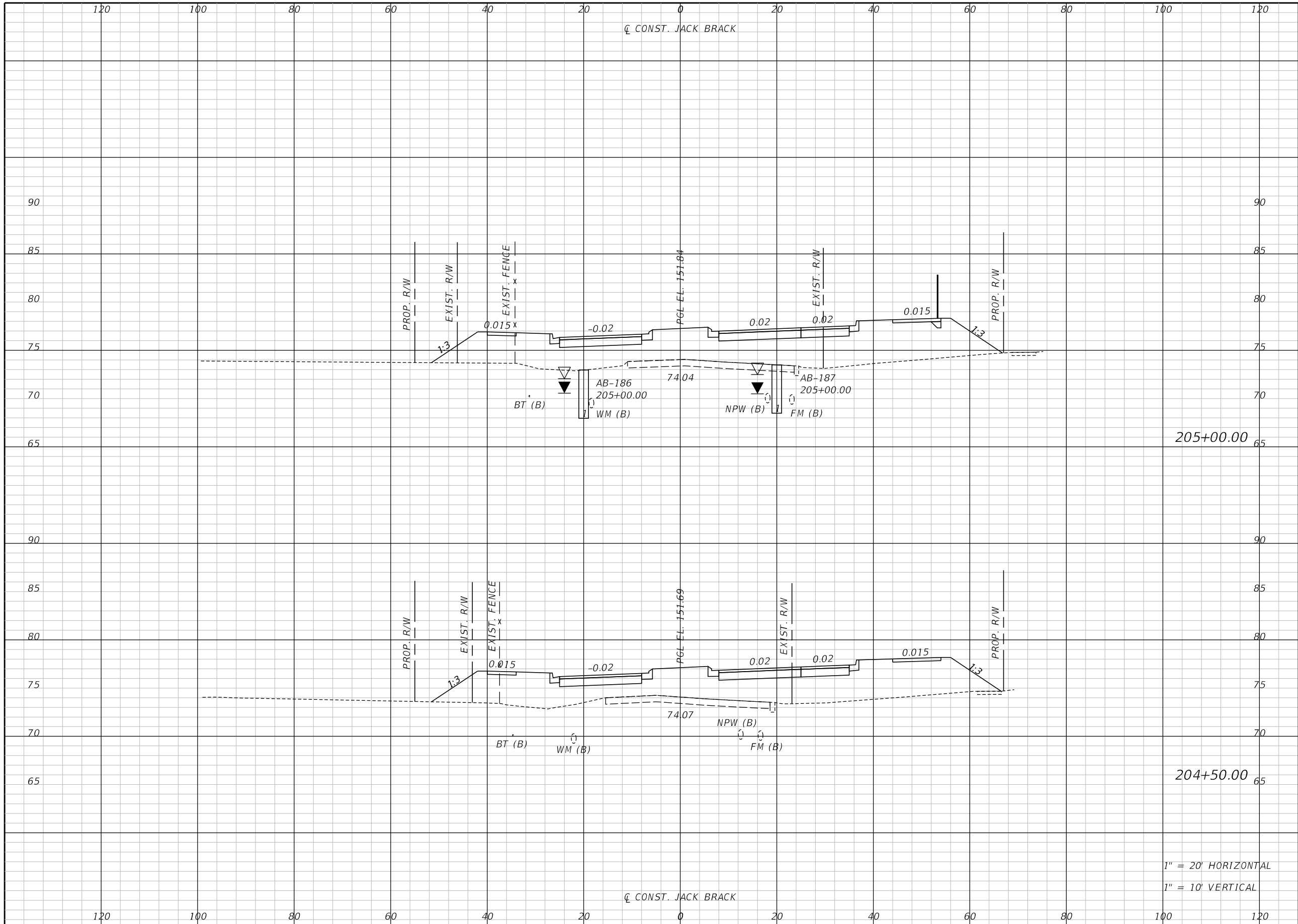
ENGINEER OF RECORD
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CROSS SECTIONS

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Regular		Exc.		Embankment	
A	V	A	V	A	V

205+00.00

204+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

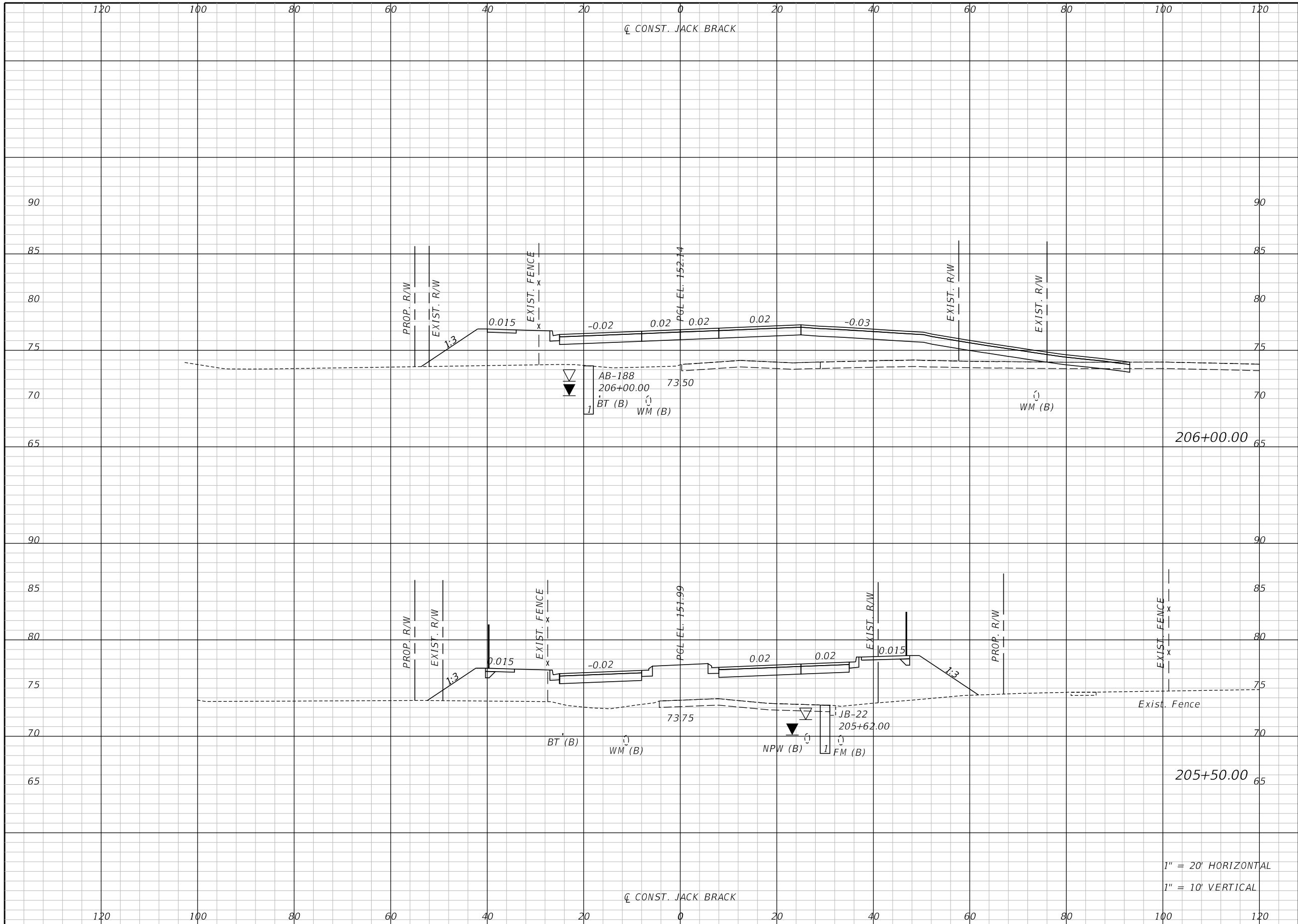
ENGINEER OF RECORD
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OSCEOLA COUNTY
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CROSS SECTIONS

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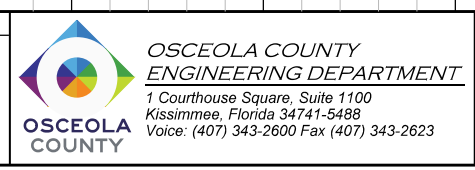
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

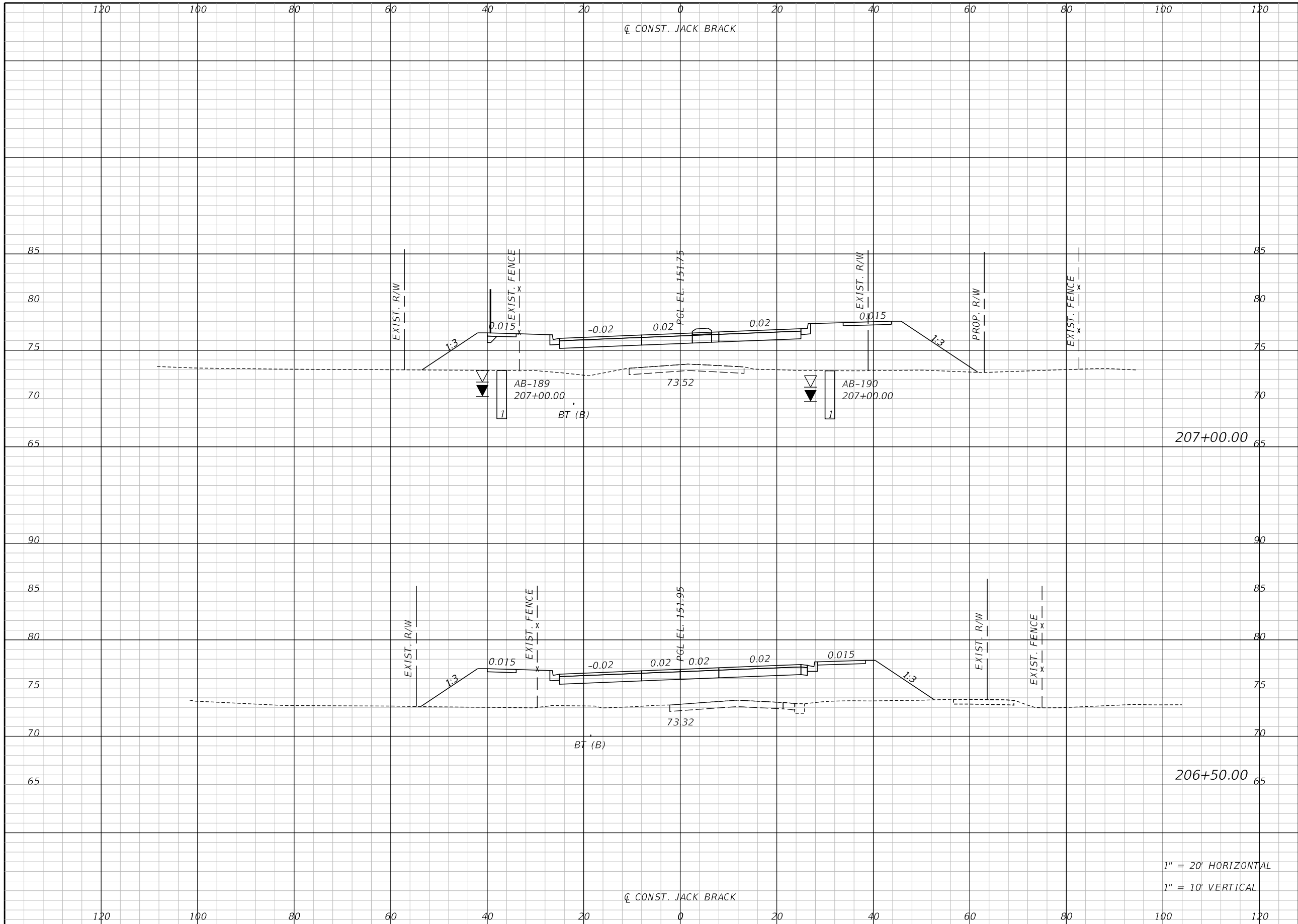
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
292

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

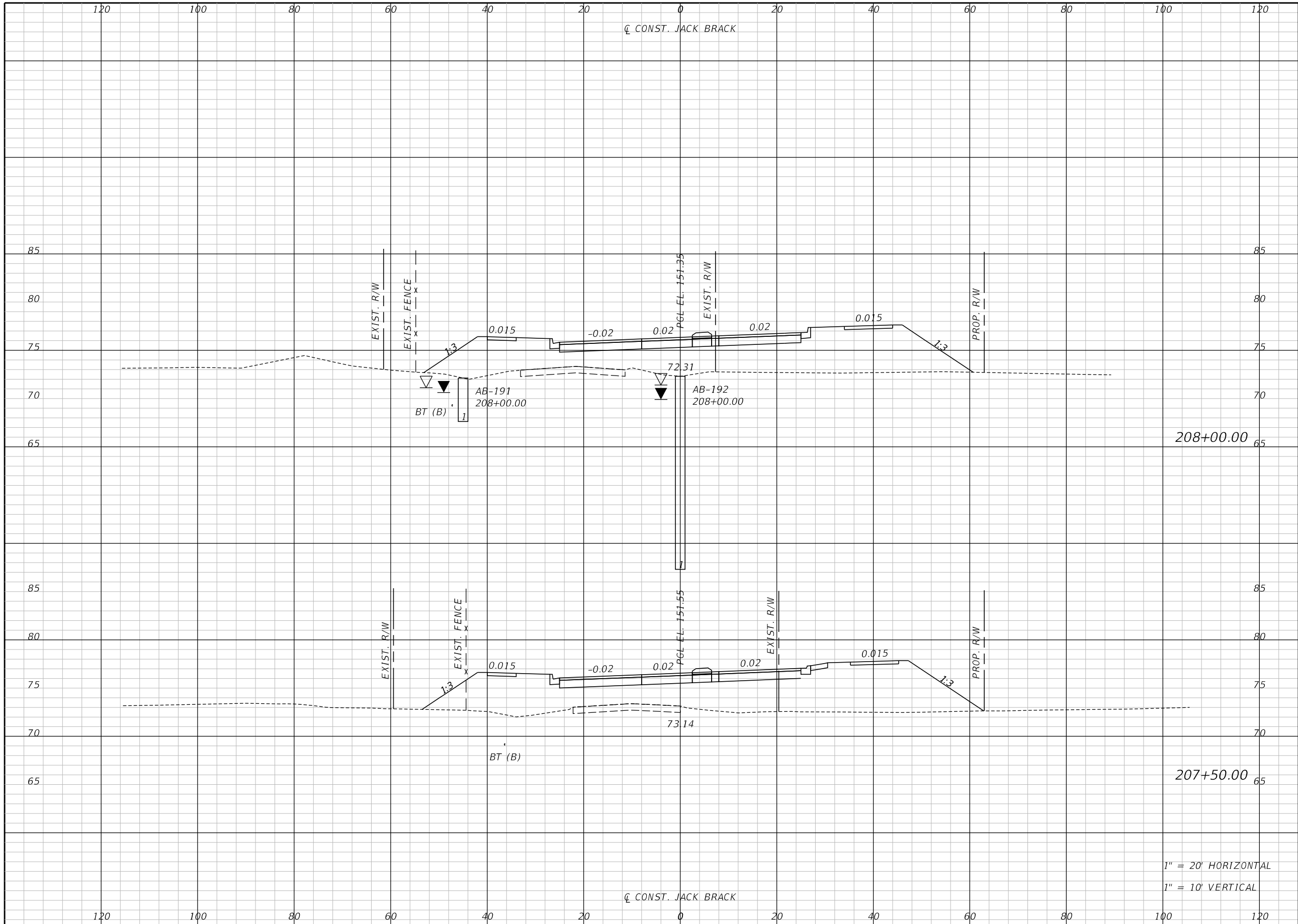
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
293

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



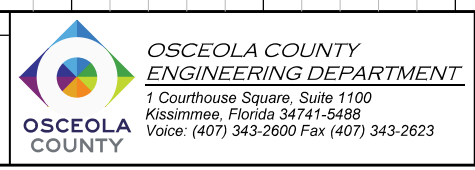
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

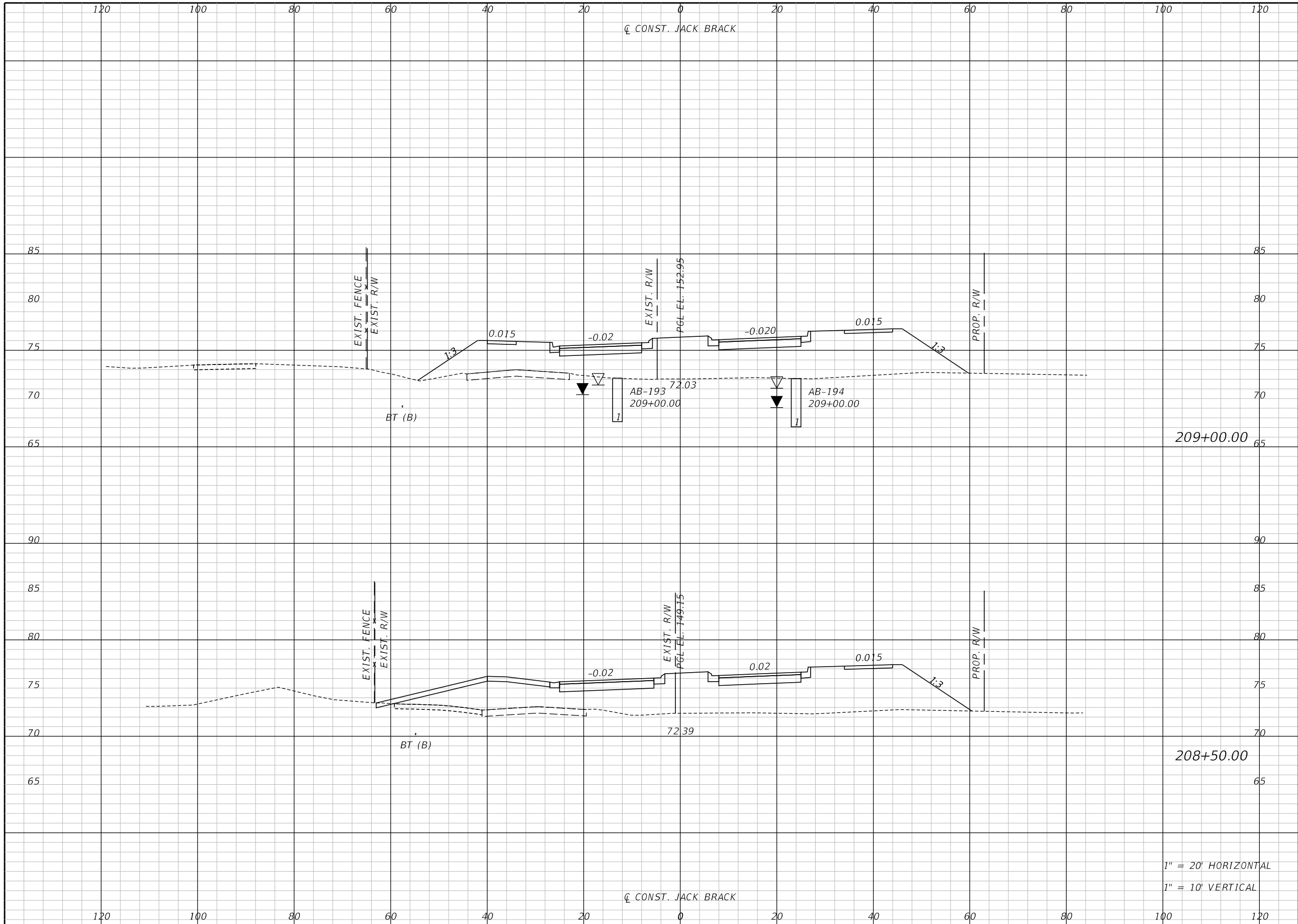
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
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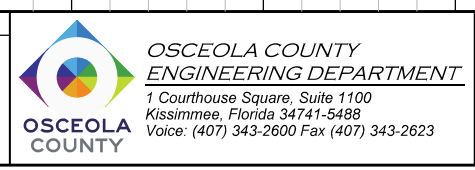
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD
 WIDENING

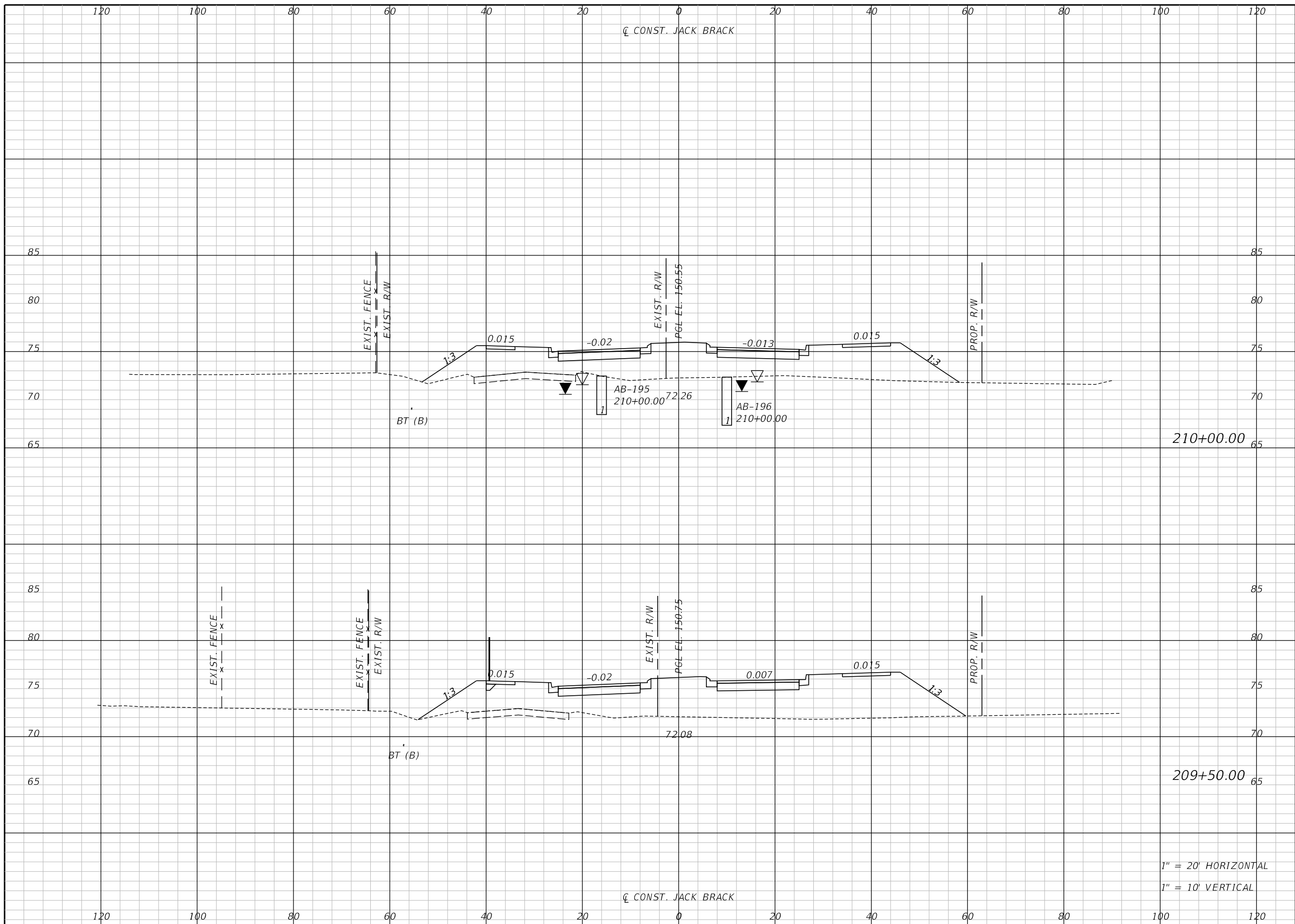
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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CROSS SECTIONS

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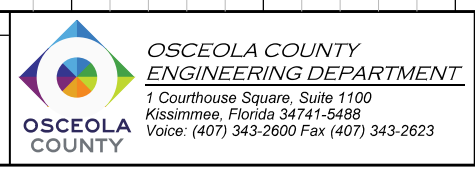
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

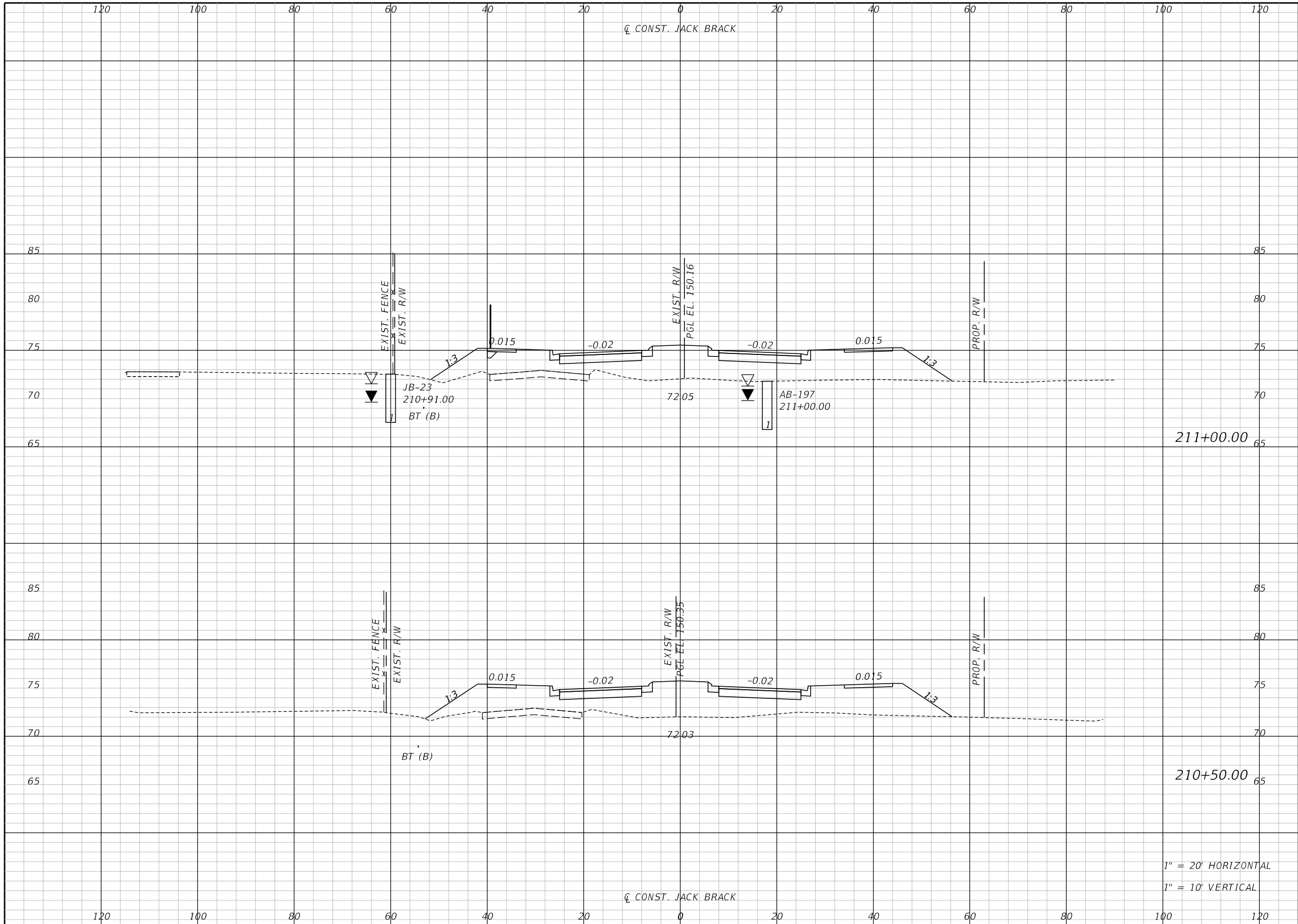
ENGINEER OF RECORD
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CROSS SECTIONS

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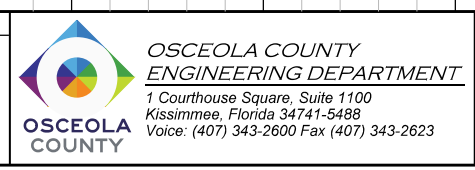
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

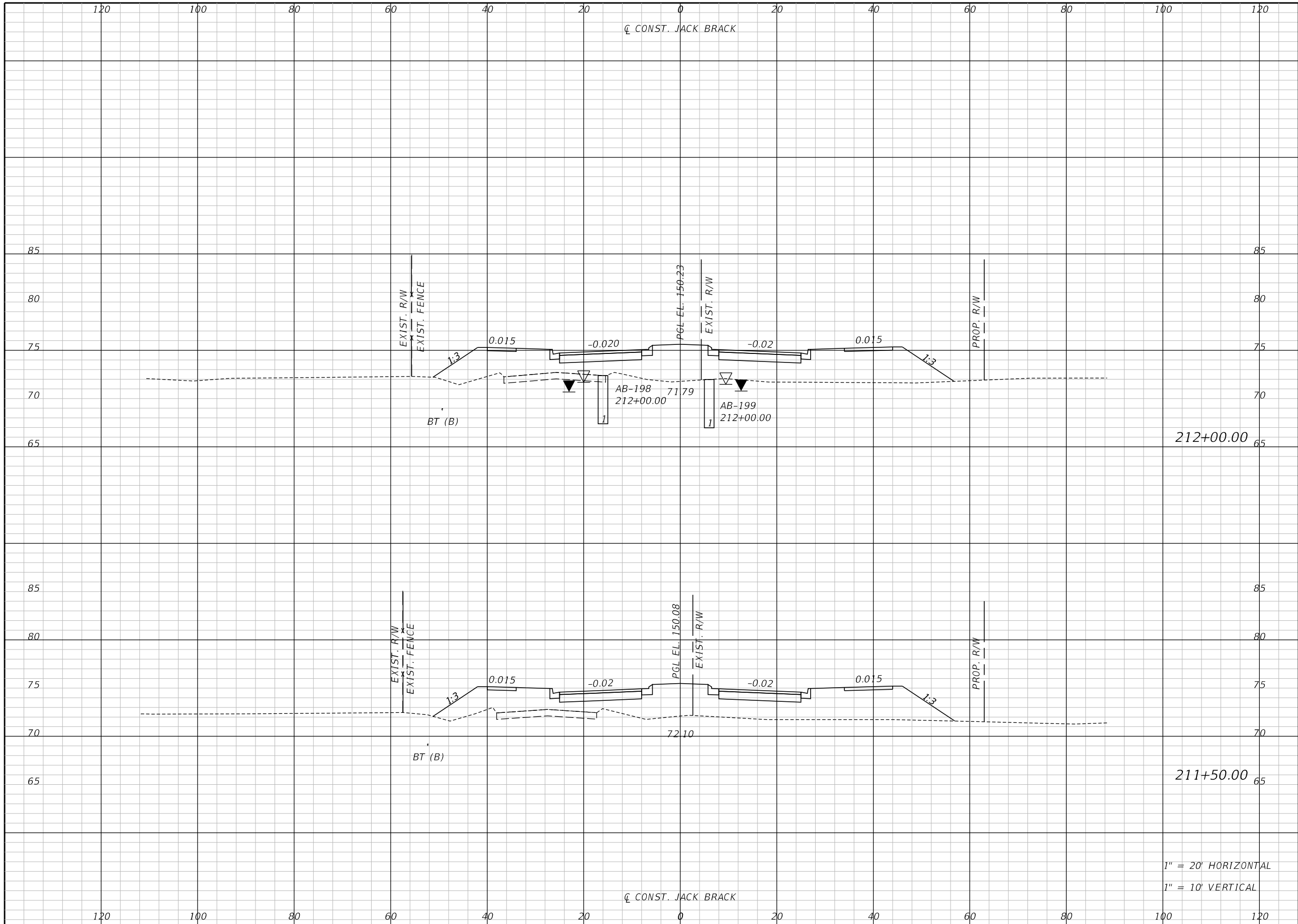
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

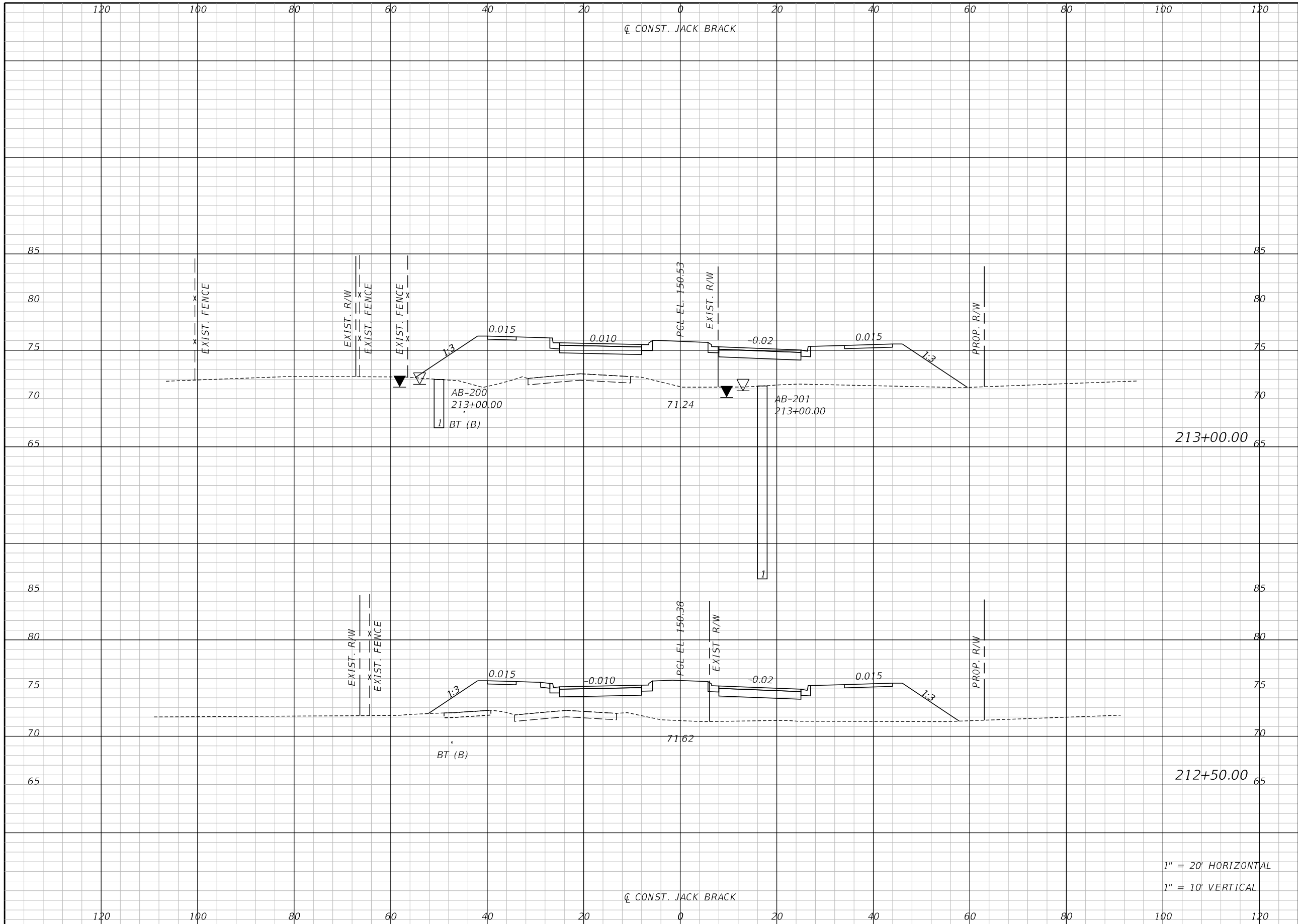


CROSS SECTIONS

SHEET NO.
298

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

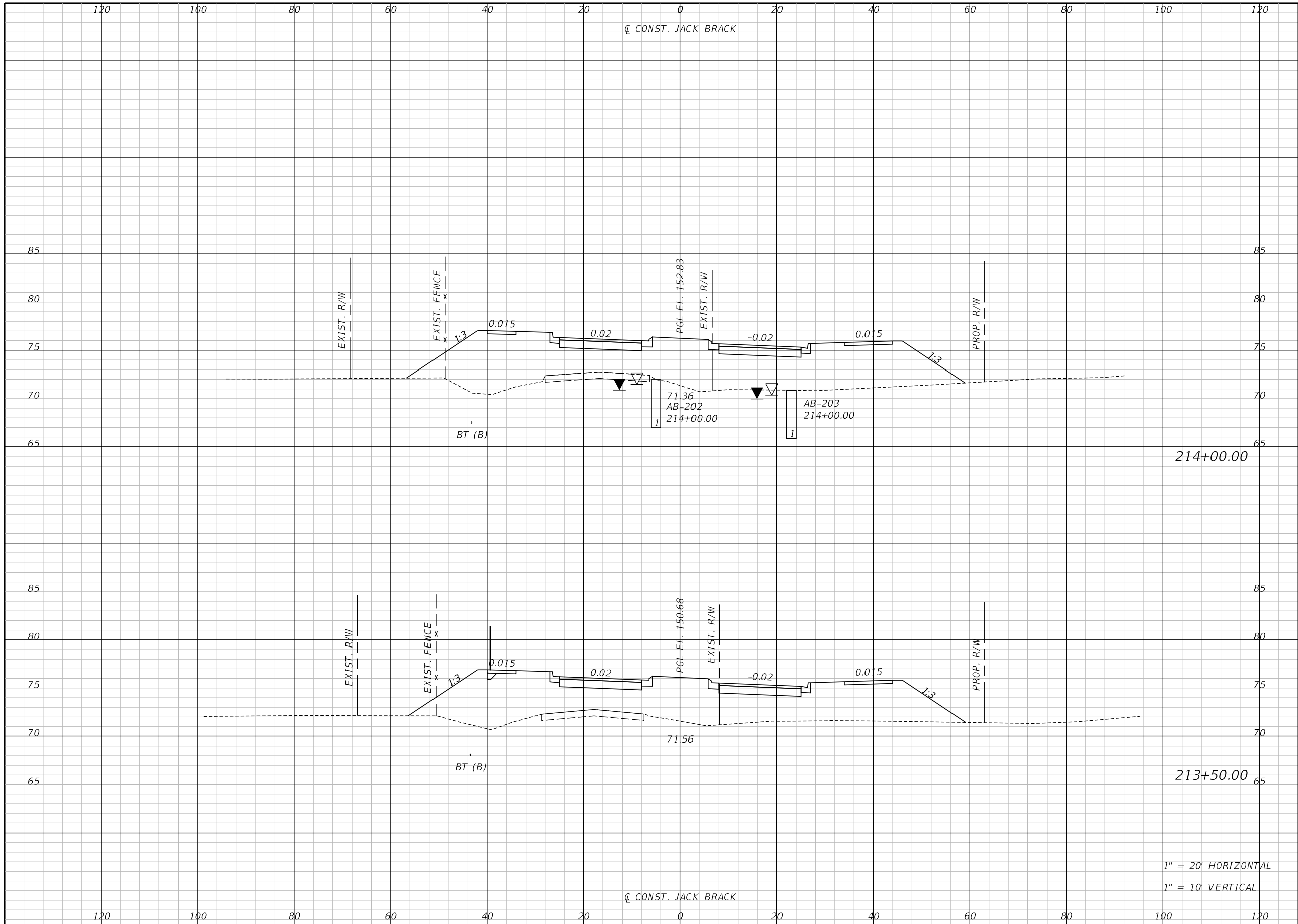
ENGINEER OF RECORD
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
299

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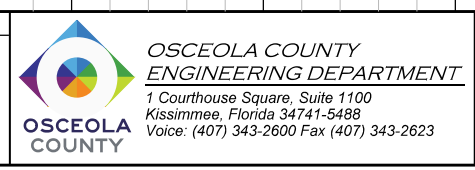
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD
 WIDENING

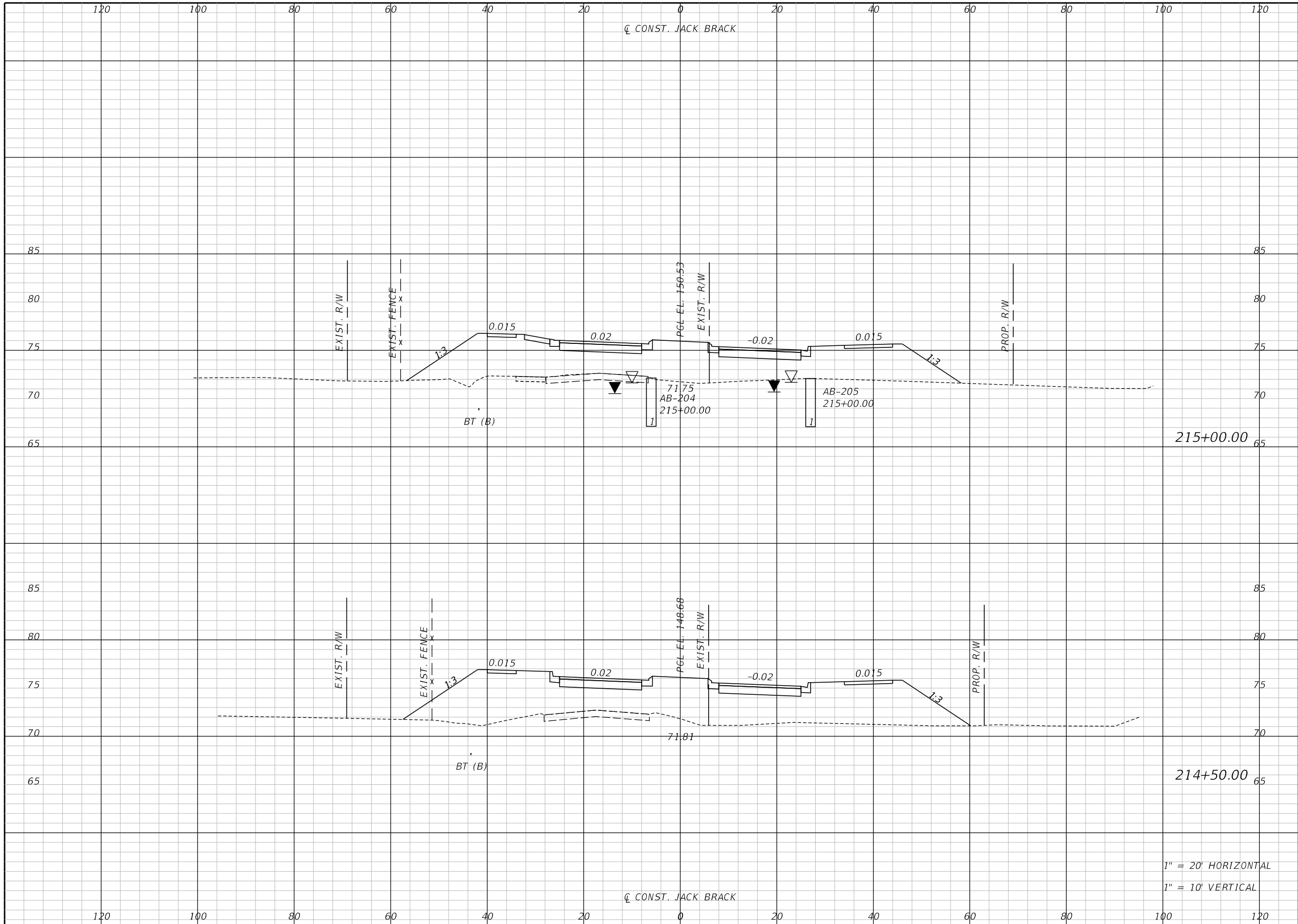
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
 300

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

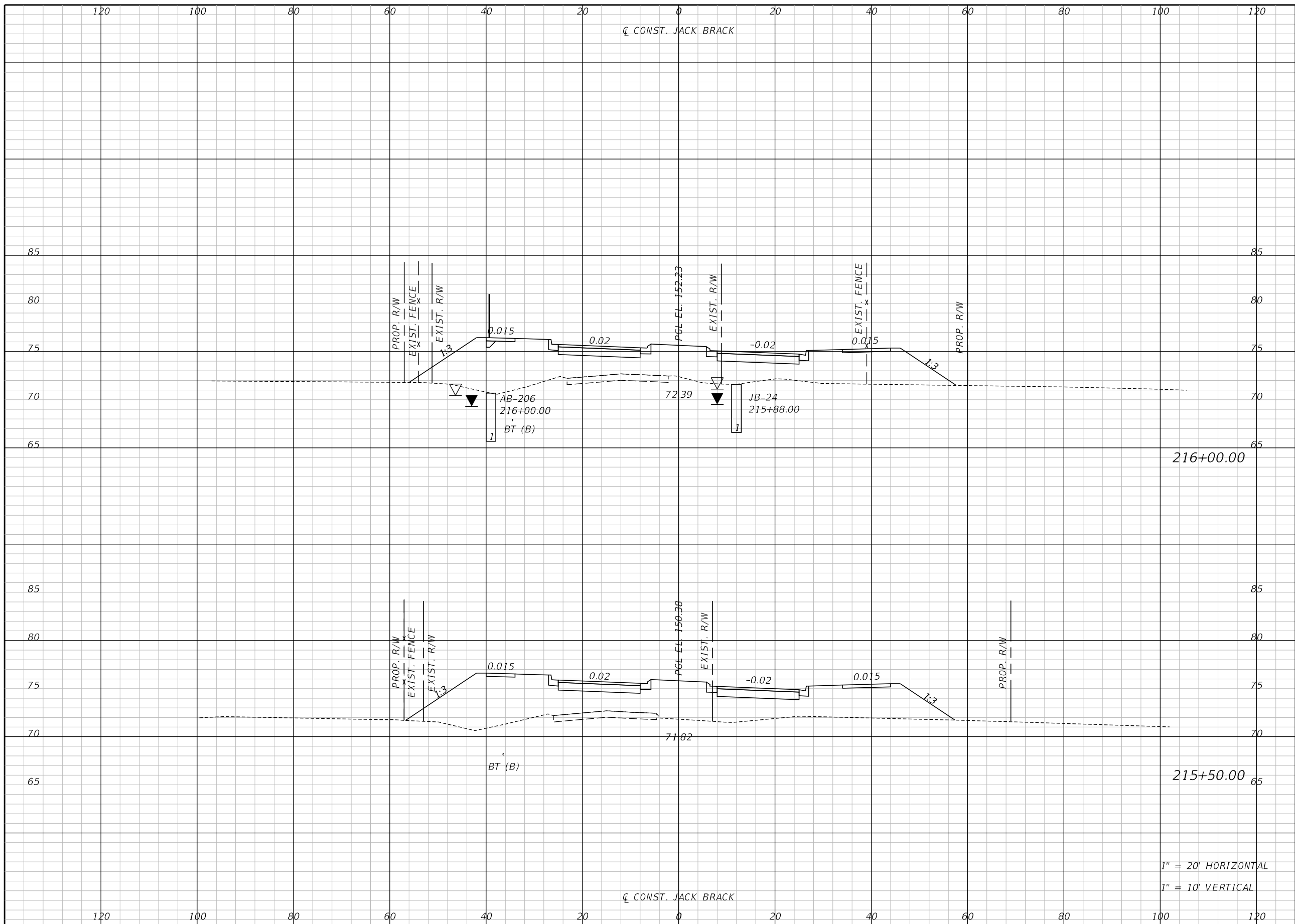
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
301

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

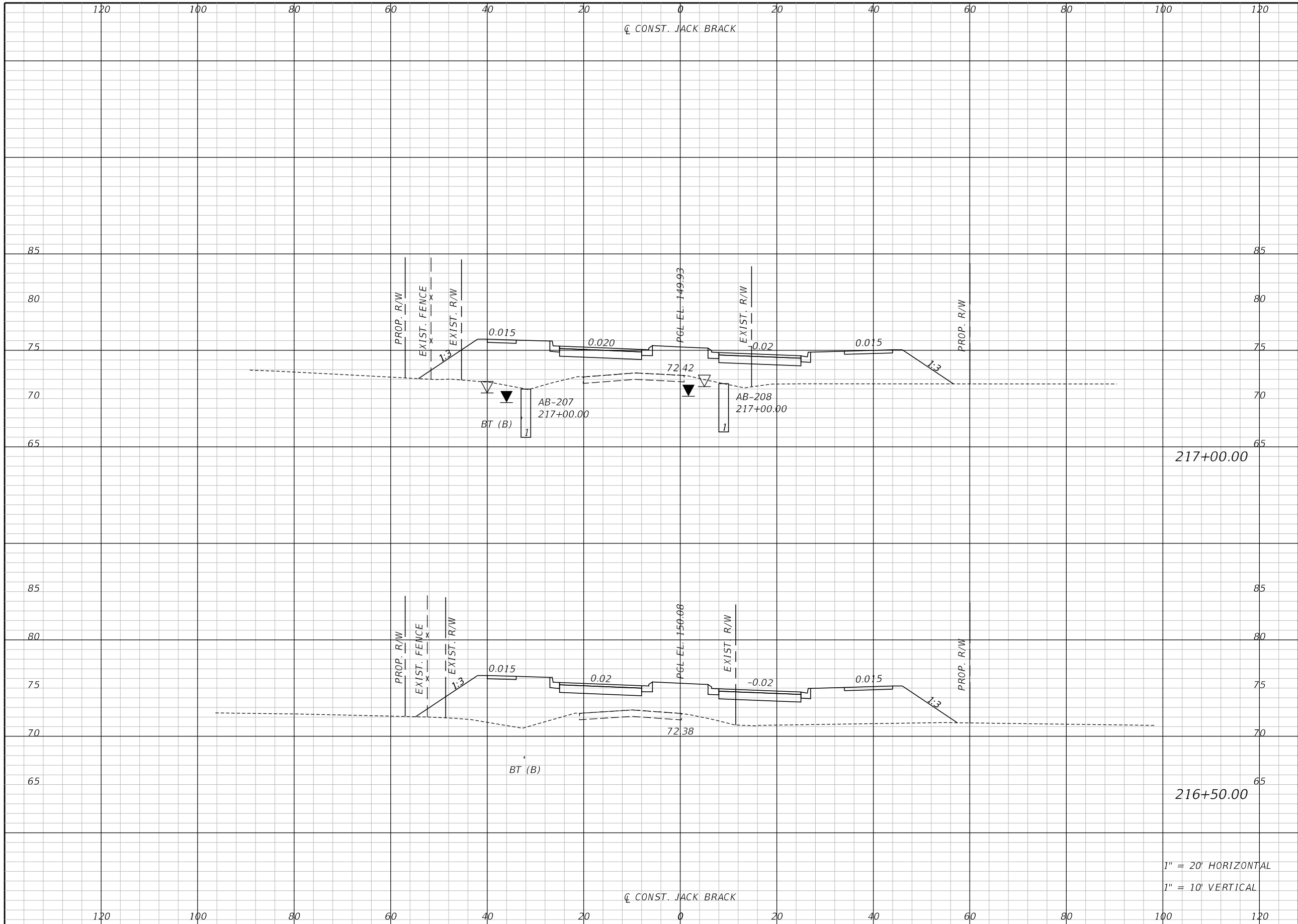
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
302

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



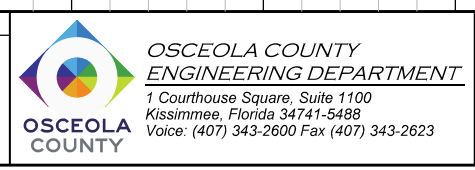
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

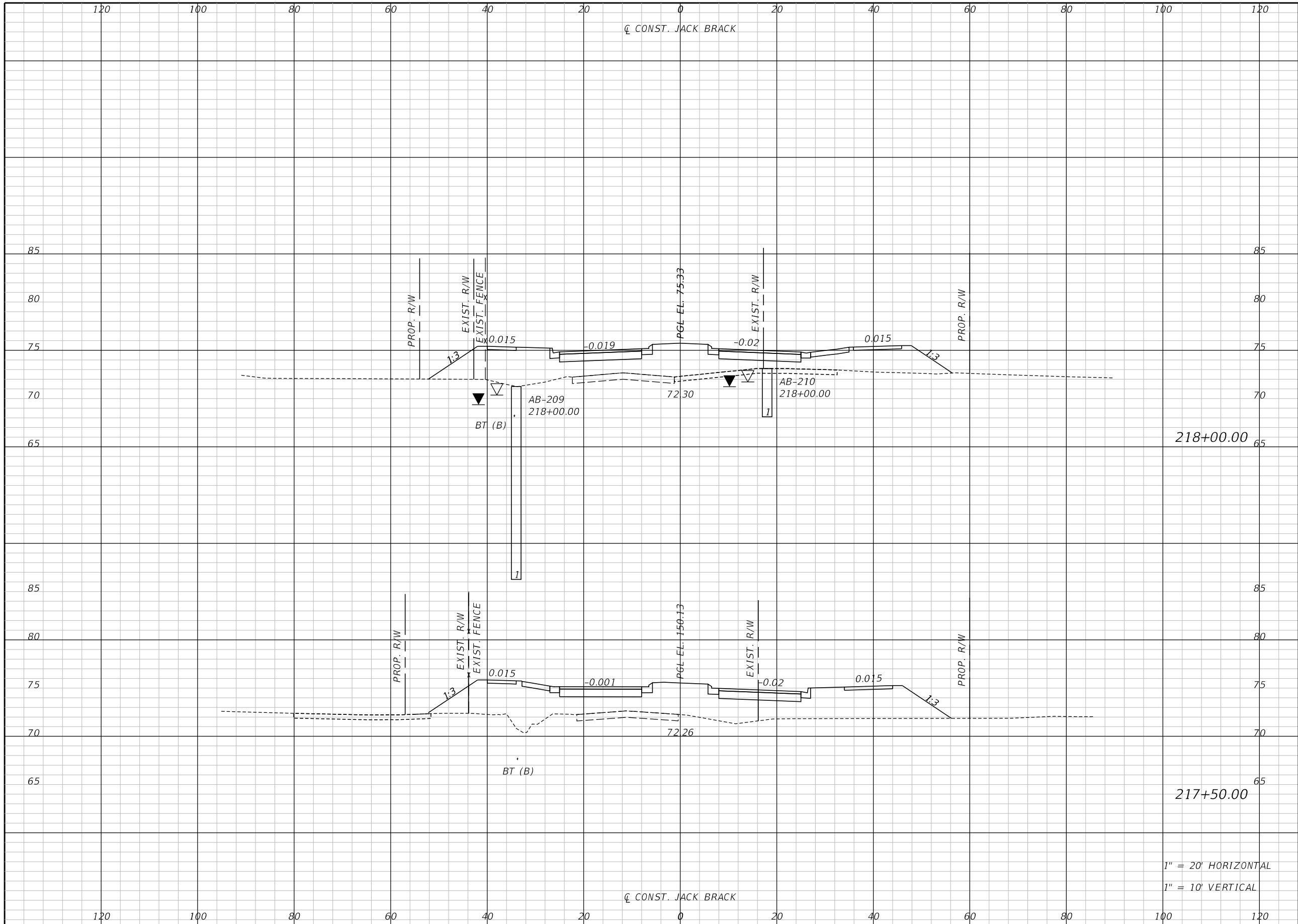
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
303

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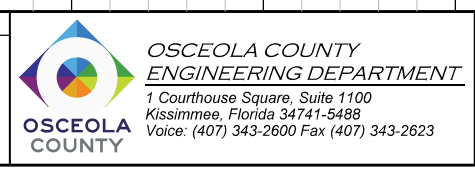


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

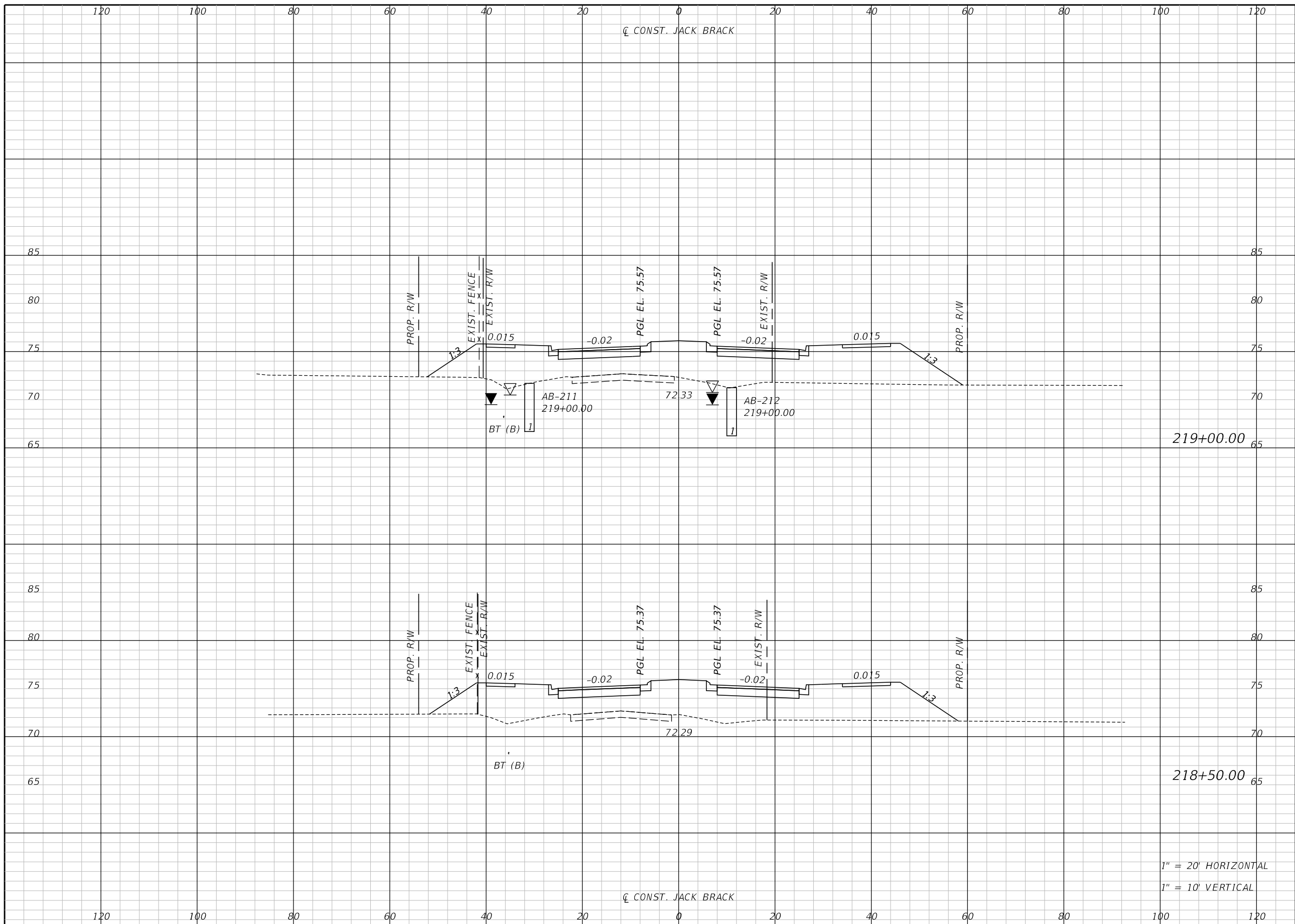
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
304

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Regular		Exc.		Embankment	
A	V	A	V	A	V

219+00.00

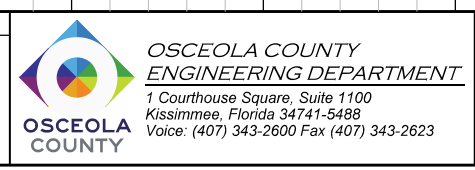
218+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

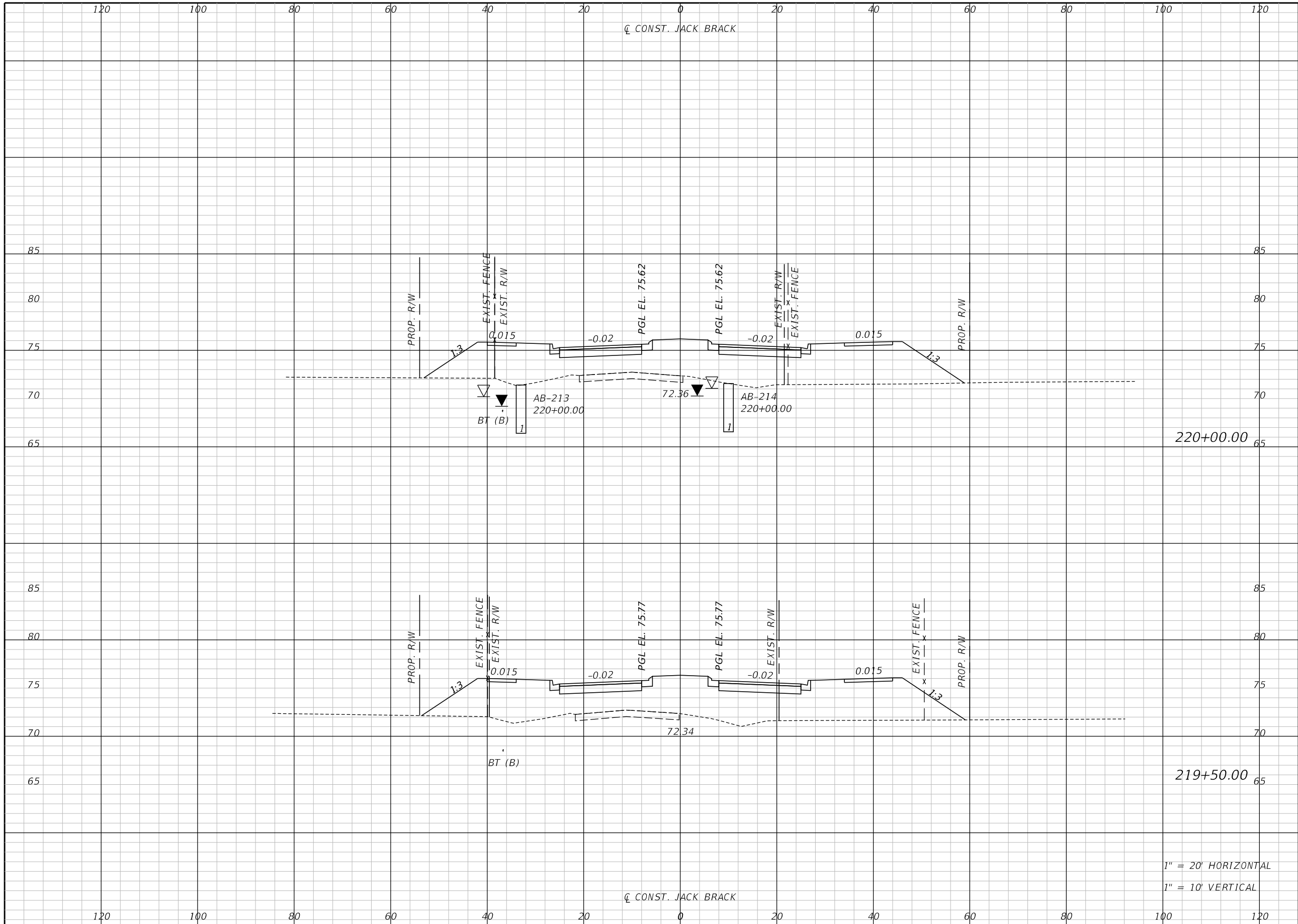
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

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.



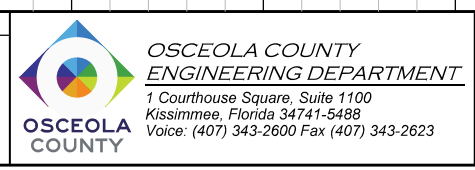
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

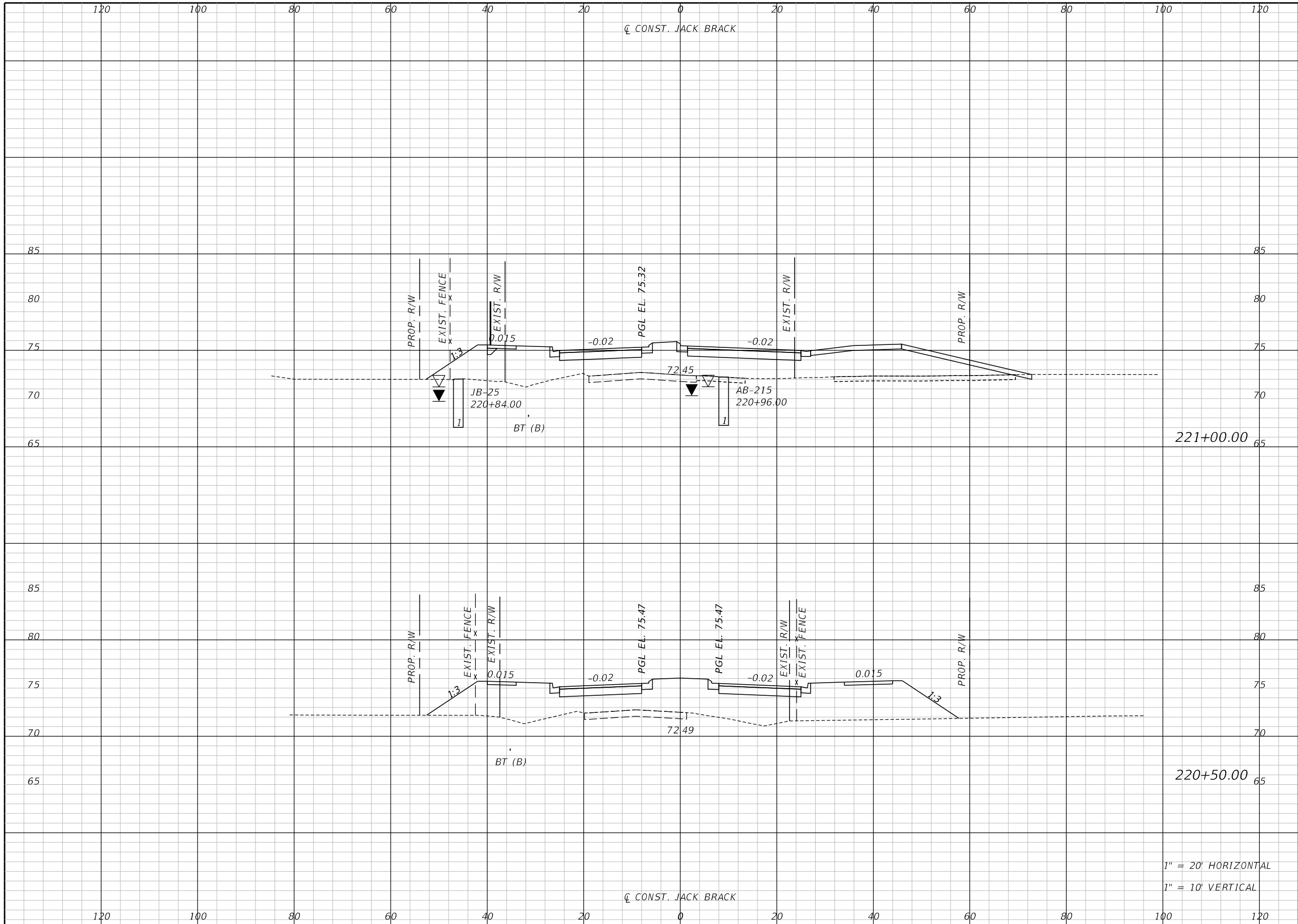
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
306

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221+00.00

220+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

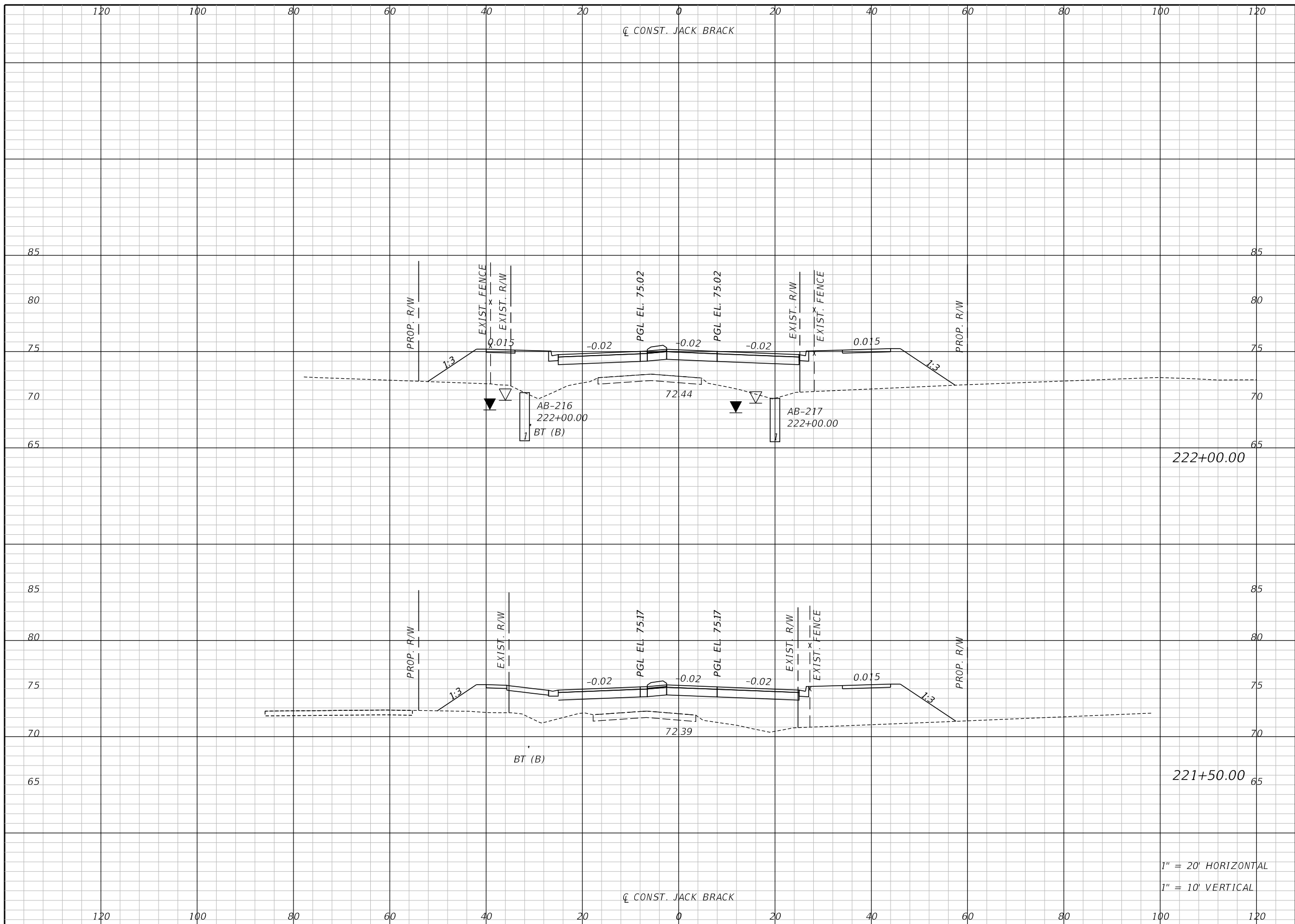
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
307

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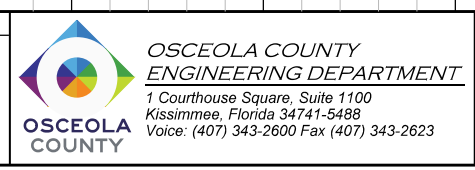
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

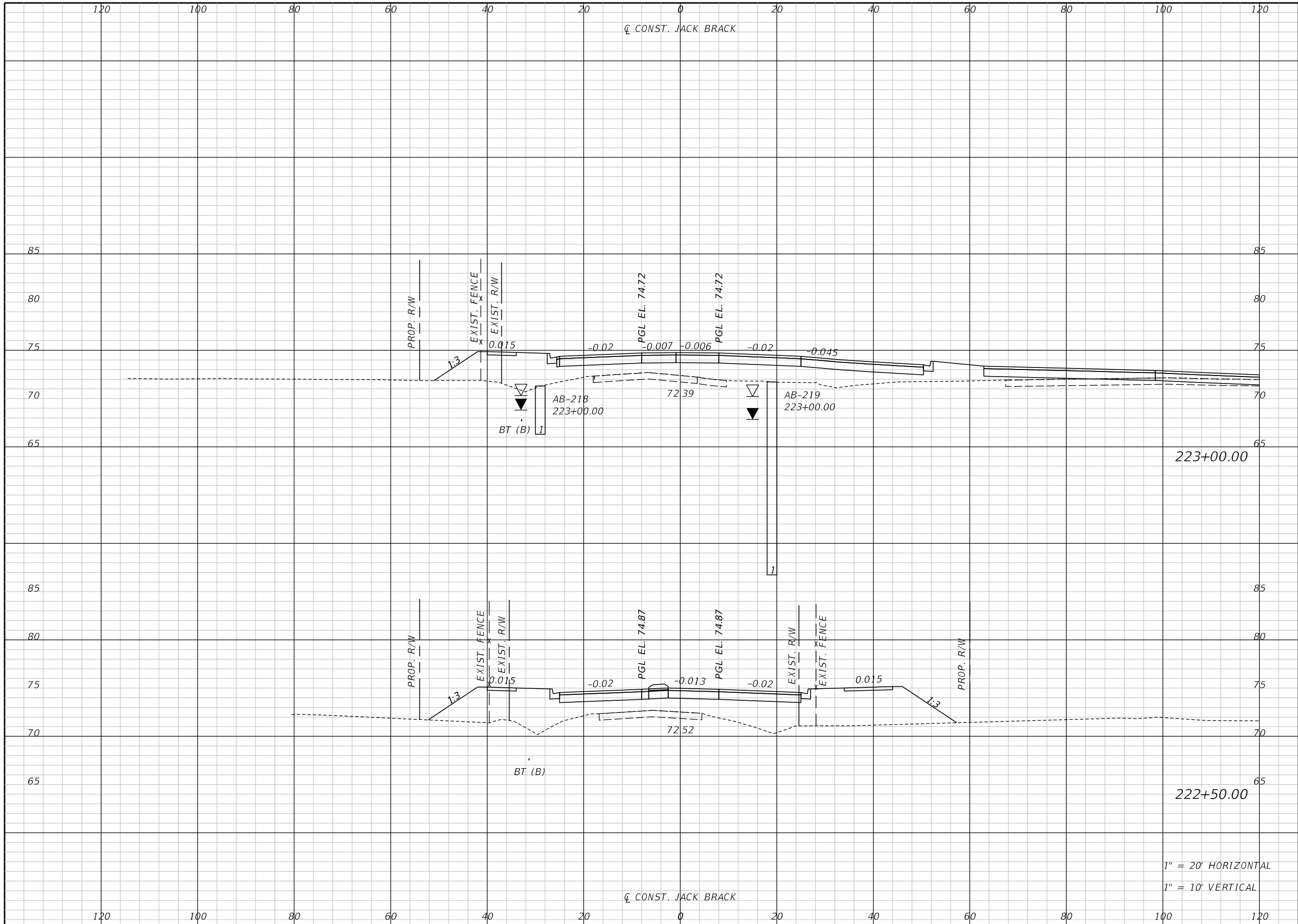
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
308

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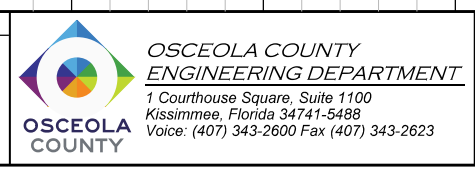


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Oviedo, Florida 32765

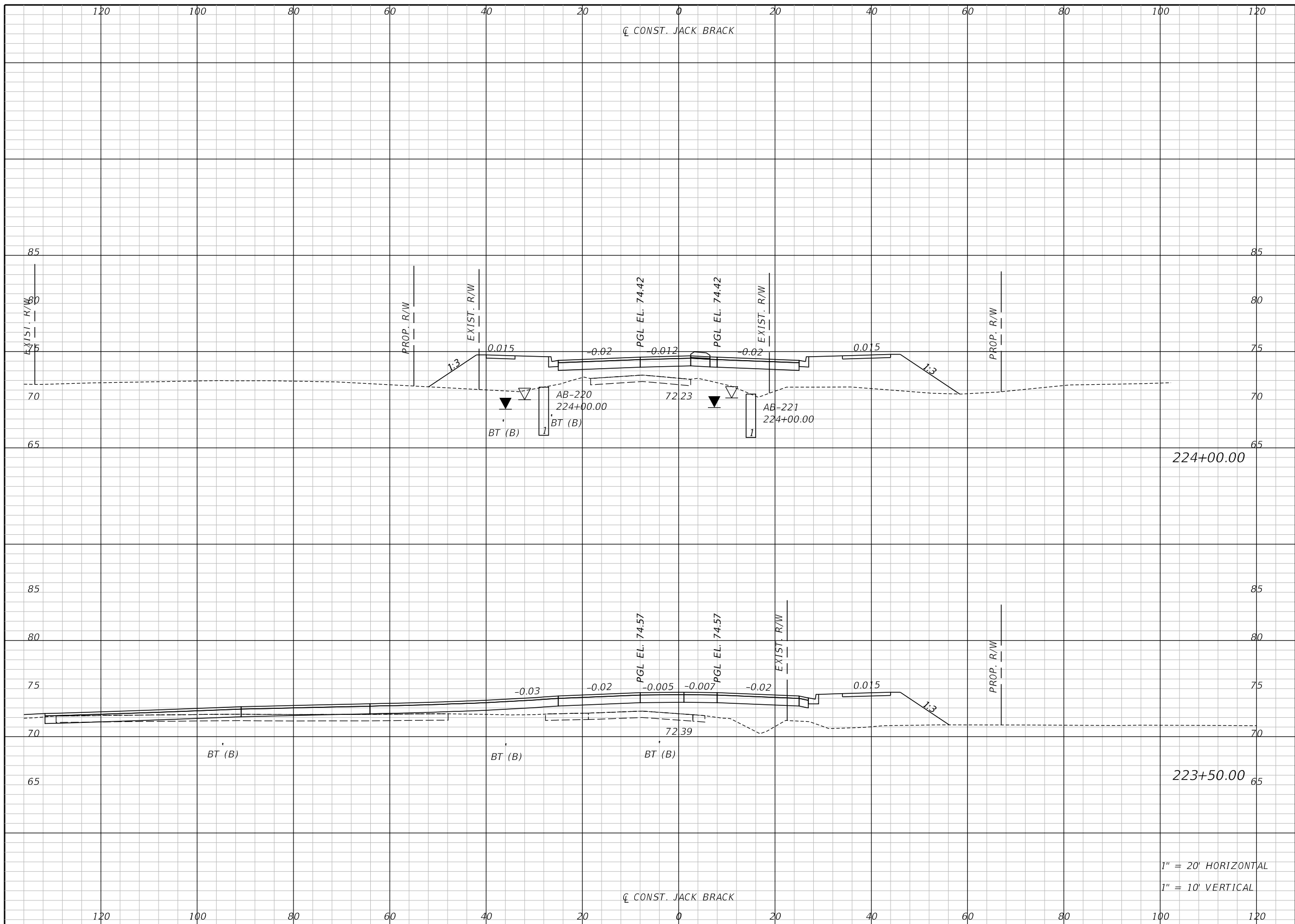


CROSS SECTIONS

SHEET NO.
309

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



Regular		Exc.		Embankment	
A	V	A	V	A	V

224+00.00

223+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

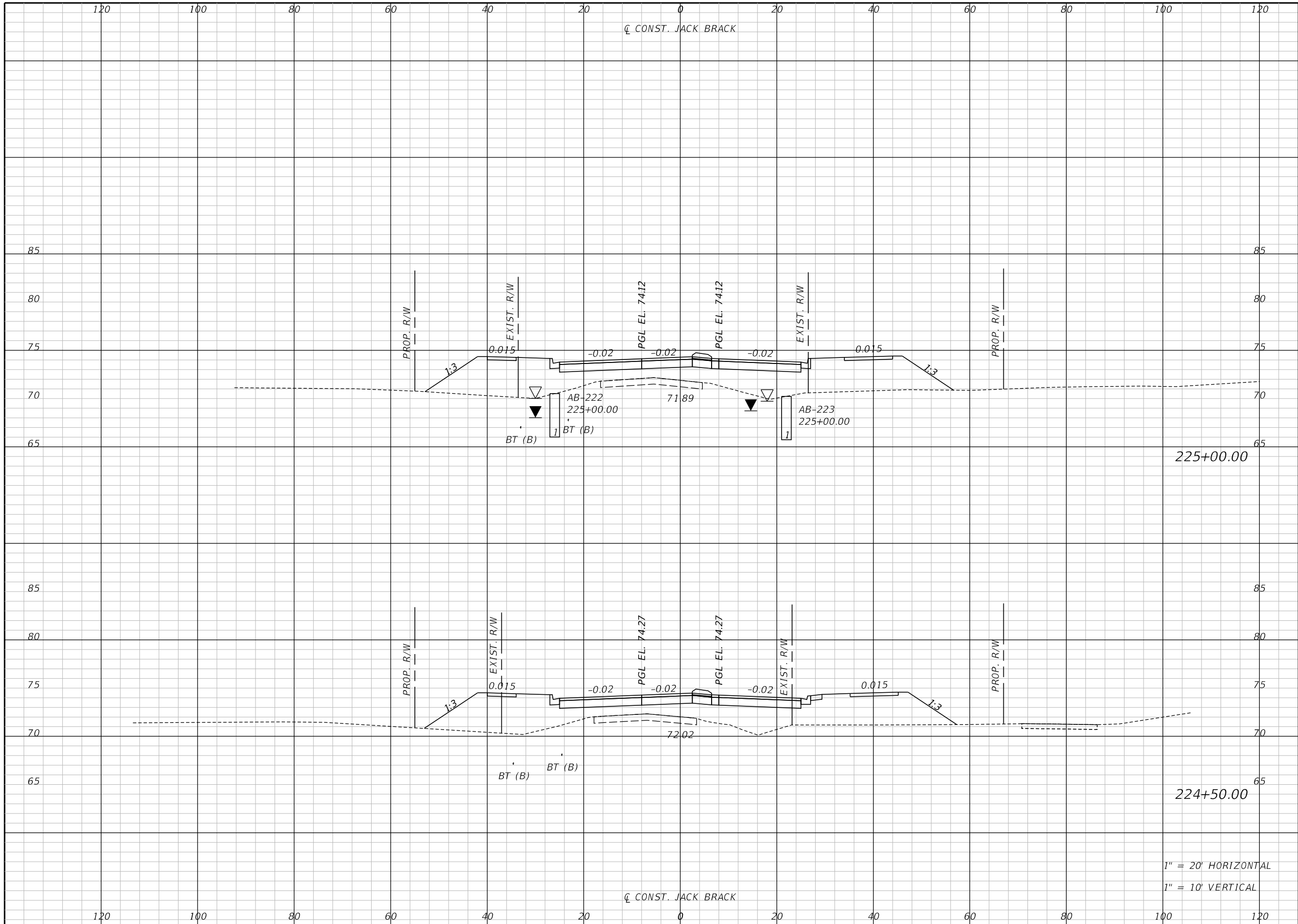
ENGINEER OF RECORD
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CROSS SECTIONS

SHEET NO.
310

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

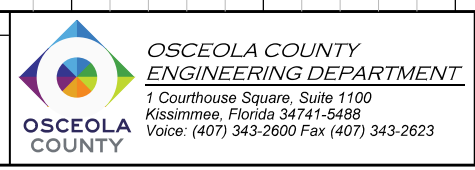


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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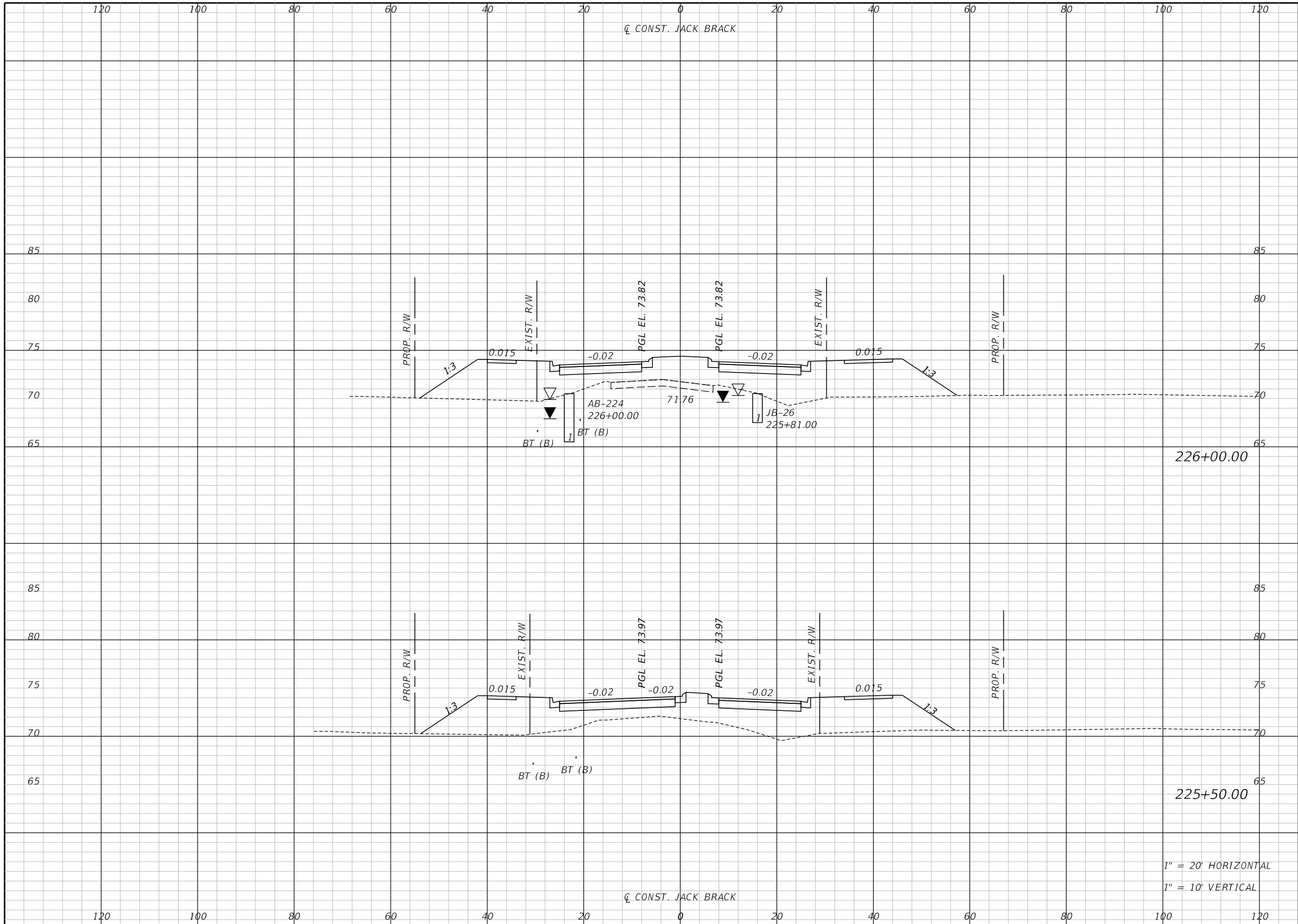


CROSS SECTIONS

SHEET NO.
311

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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

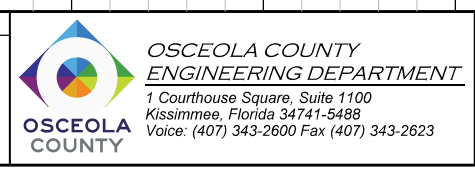


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
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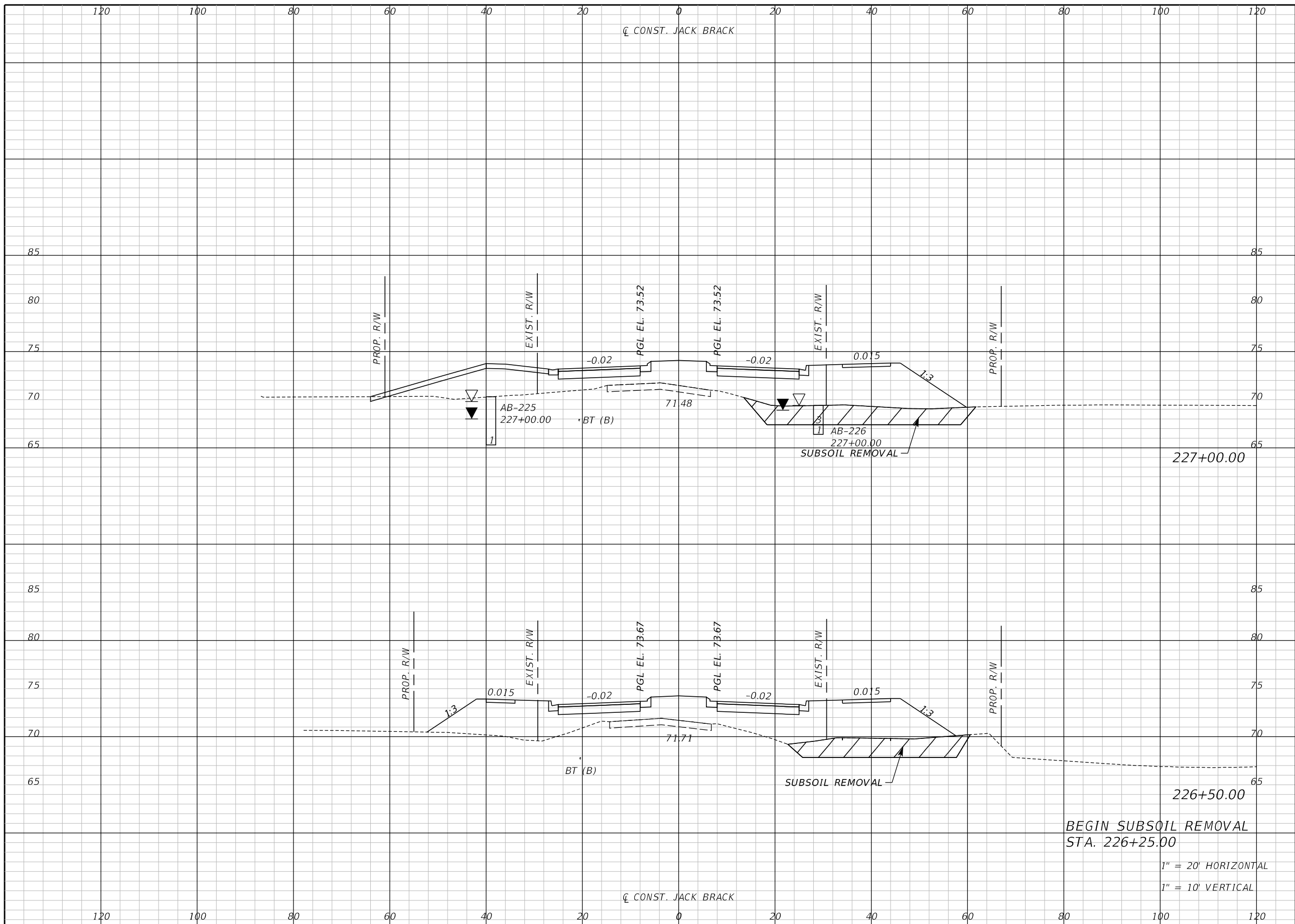


CROSS SECTIONS

SHEET NO.
312

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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



Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
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**JACK BRACK ROAD
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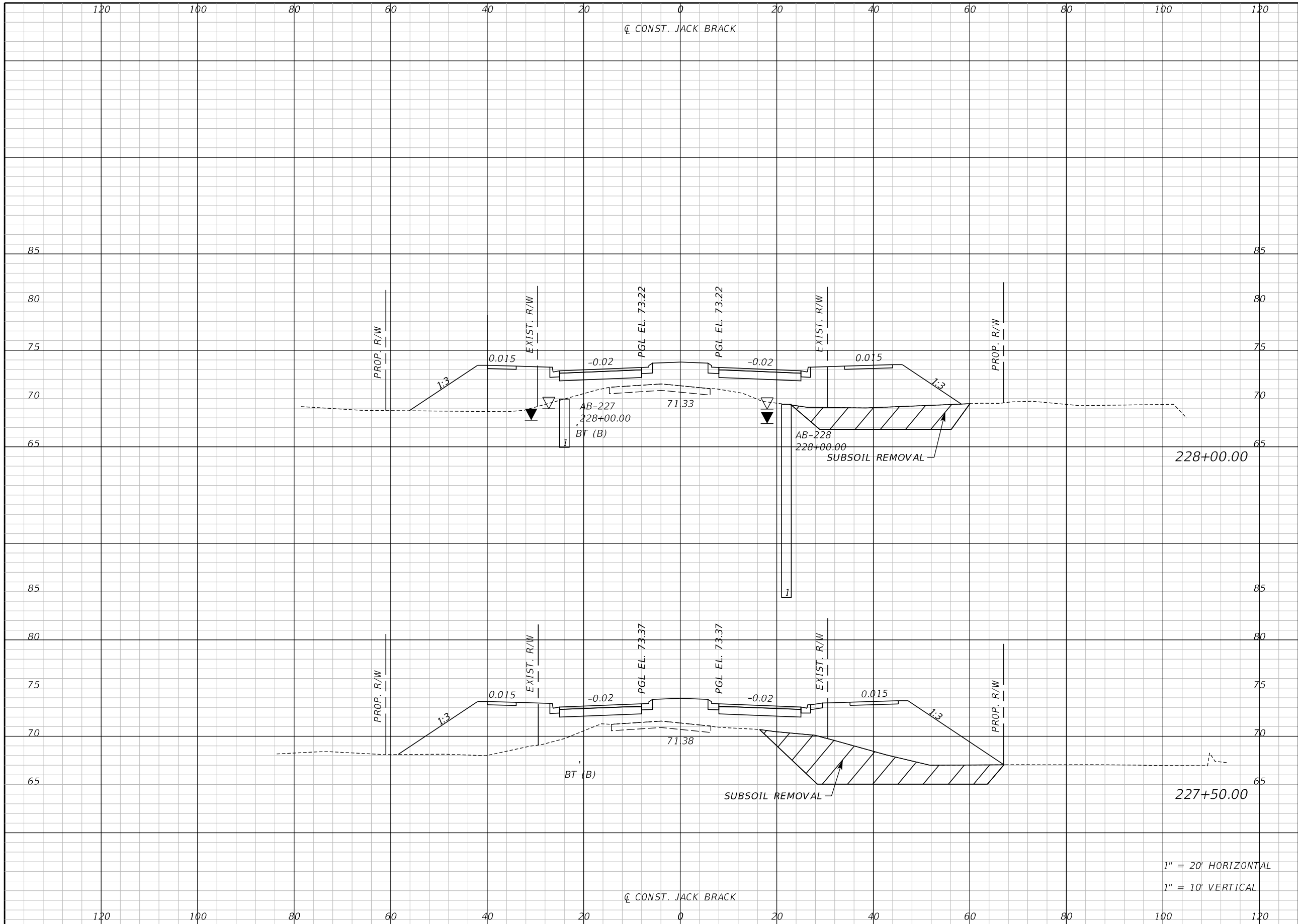


CROSS SECTIONS

SHEET NO.
313

BEGIN SUBSOIL REMOVAL
STA. 226+25.00
1" = 20' HORIZONTAL
1" = 10' VERTICAL

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



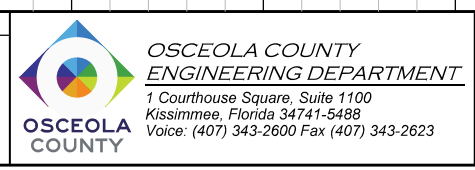
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

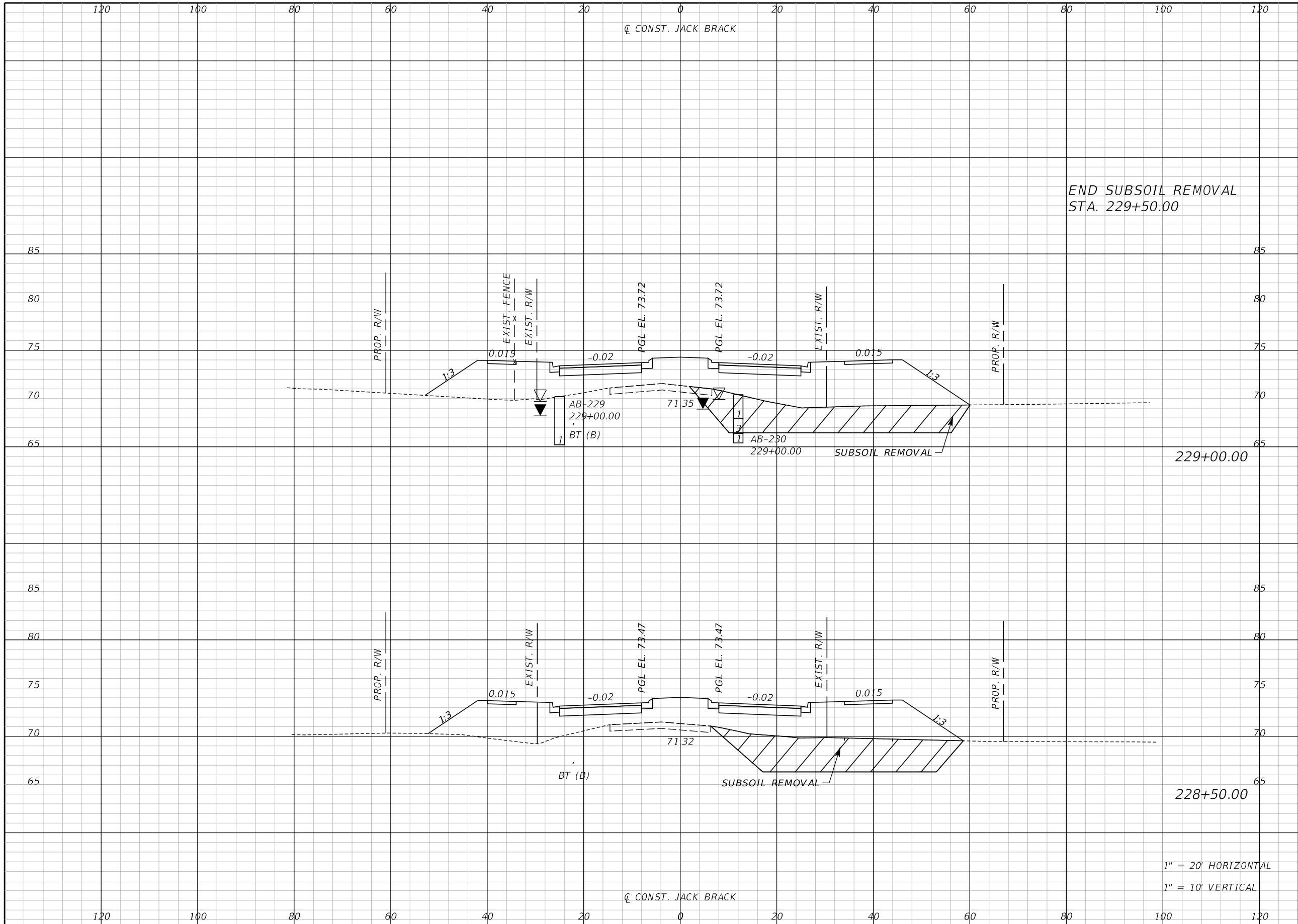
ENGINEER OF RECORD
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
314

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

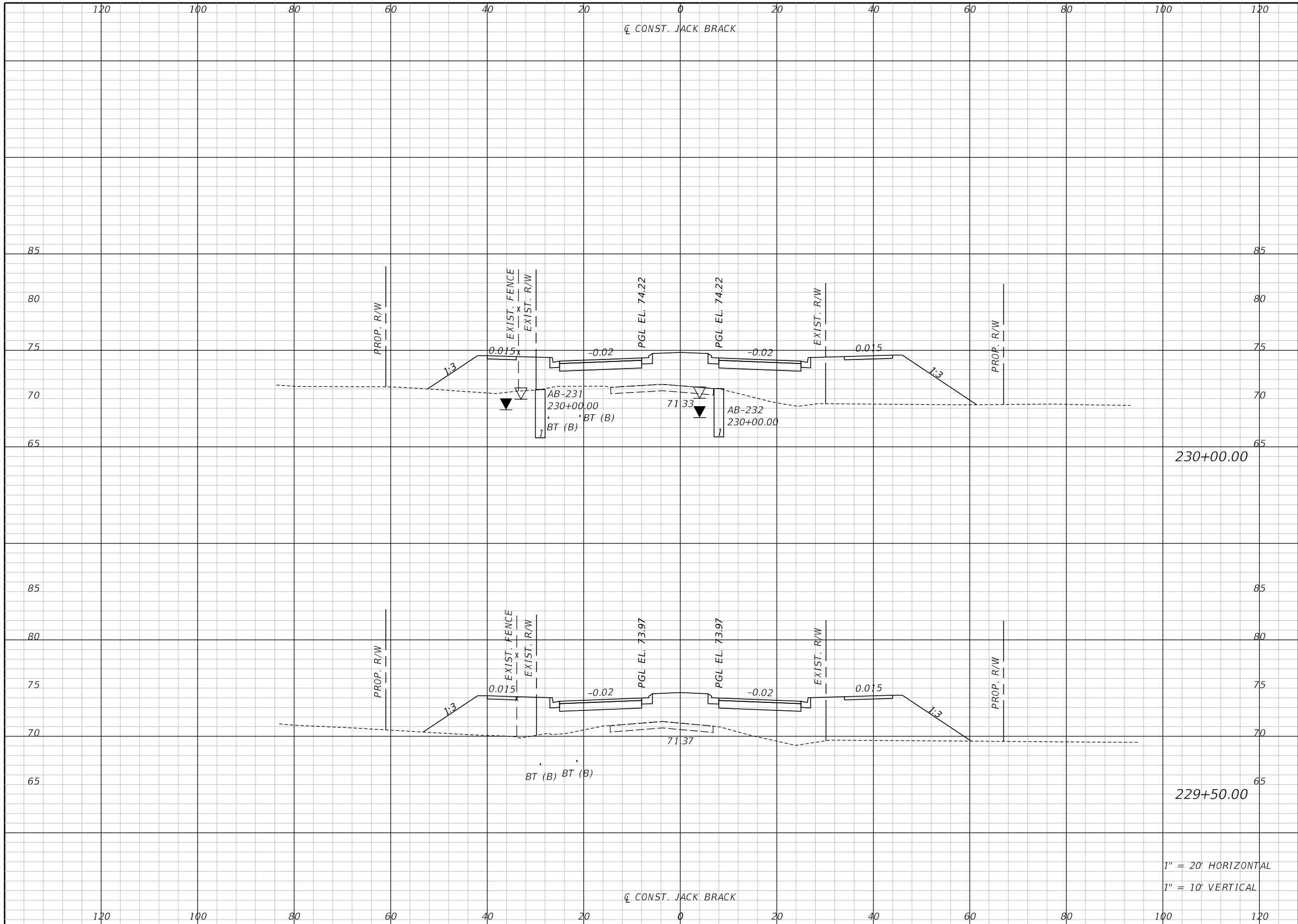
ENGINEER OF RECORD
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Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
315

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



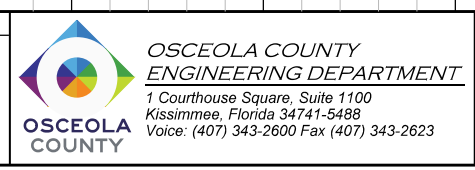
Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

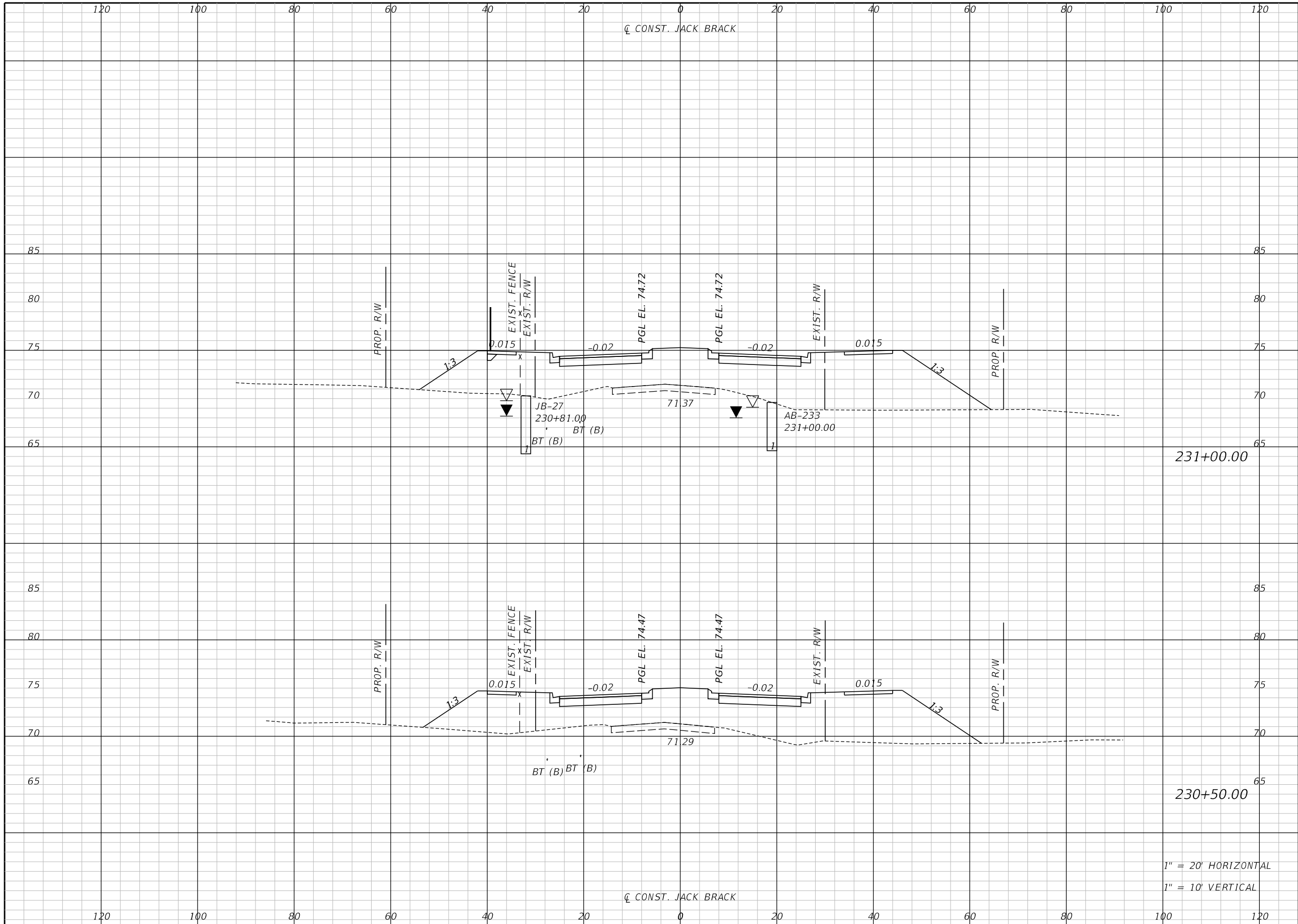
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
316

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Regular		Exc.		Embankment	
A	V	A	V	A	V

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

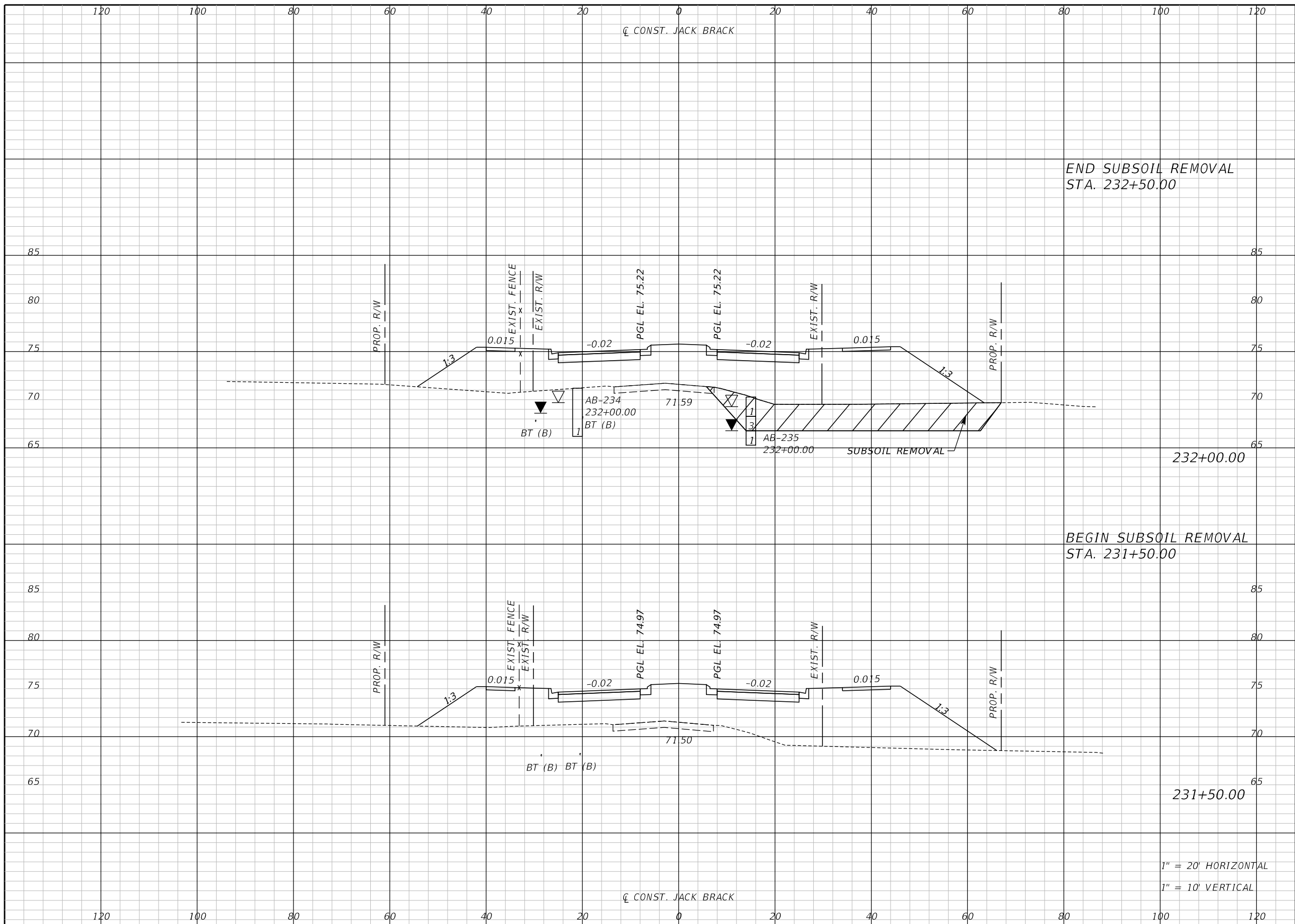
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
317

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END SUBSOIL REMOVAL
STA. 232+50.00

BEGIN SUBSOIL REMOVAL
STA. 231+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

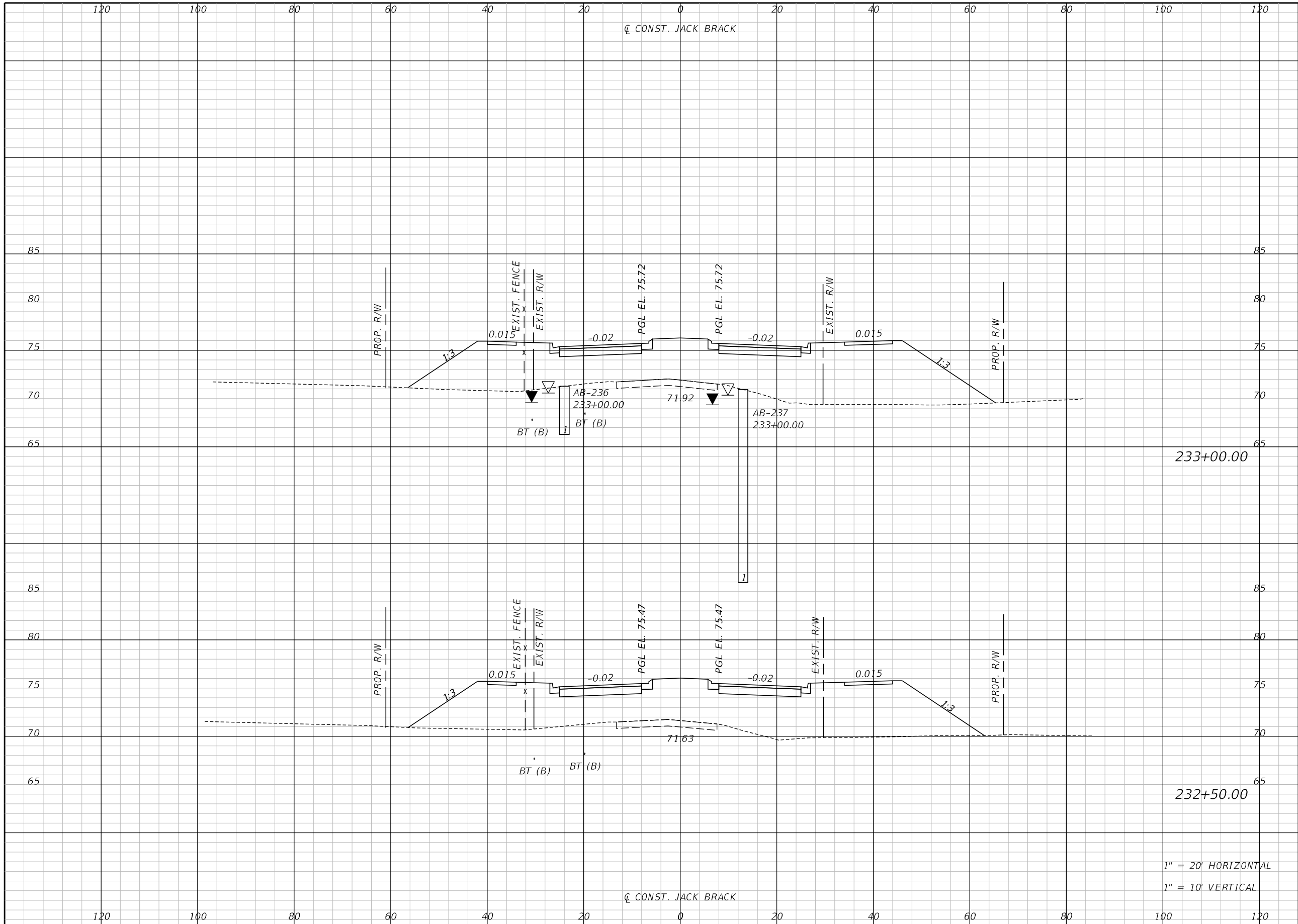
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
318

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

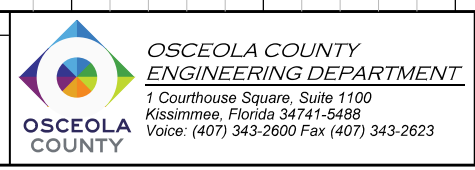


Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

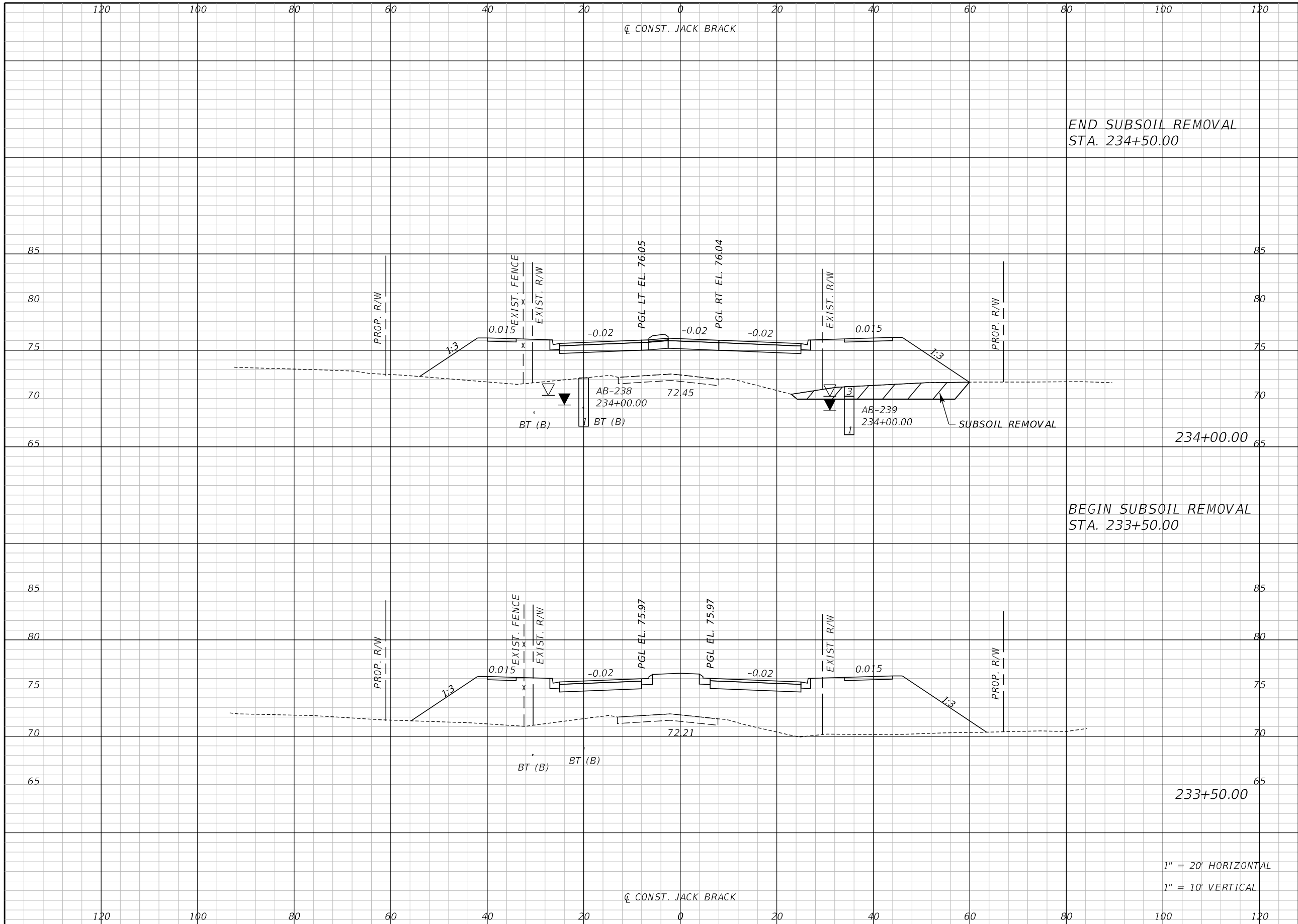


CROSS SECTIONS

SHEET NO.
319

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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Regular		Exc.		Embankment	
A	V	A	V	A	V

END SUBSOIL REMOVAL
STA. 234+50.00

234+00.00

BEGIN SUBSOIL REMOVAL
STA. 233+50.00

233+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

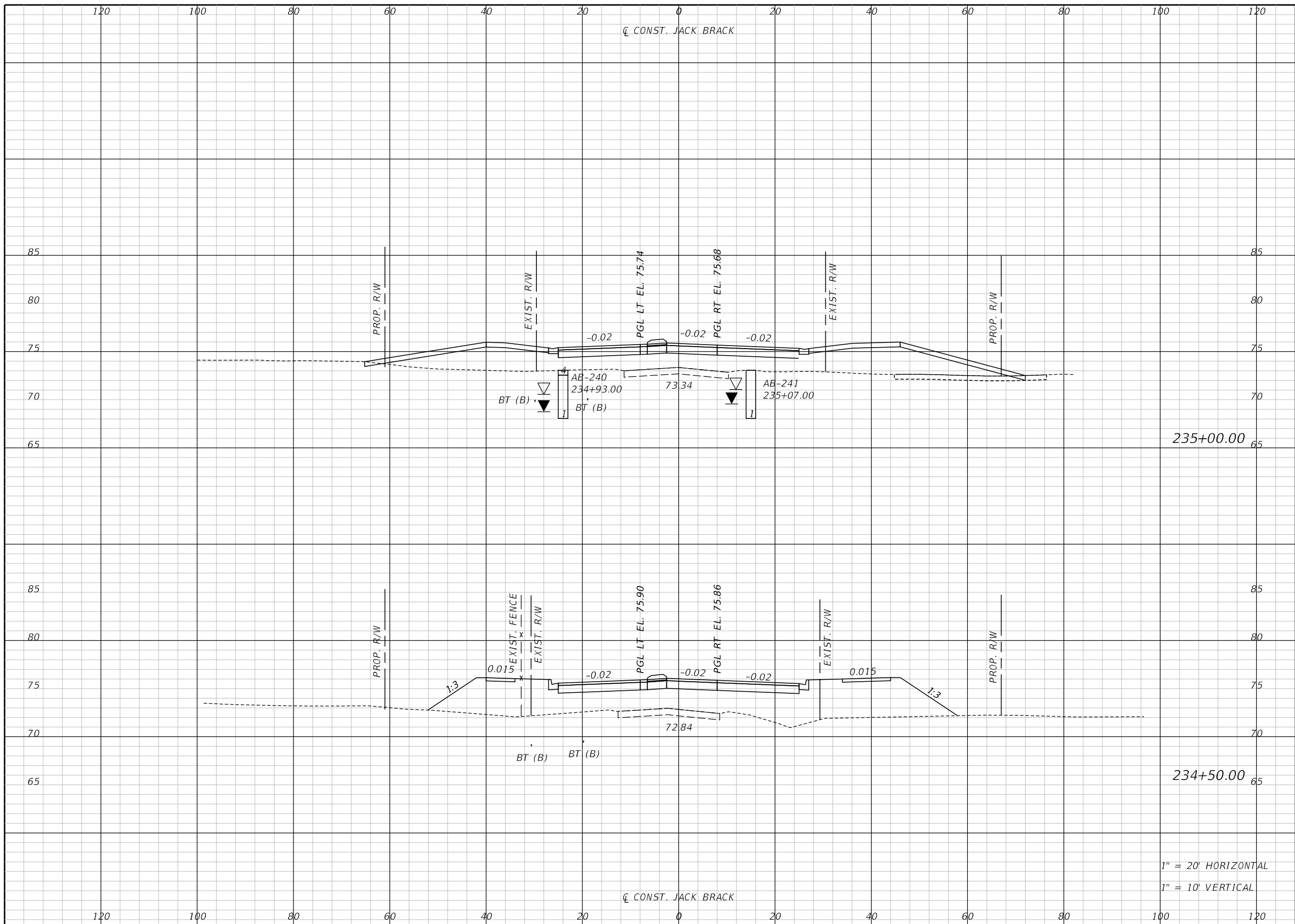
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
320

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Regular		Exc.		Embankment	
A	V	A	V	A	V

235+00.00

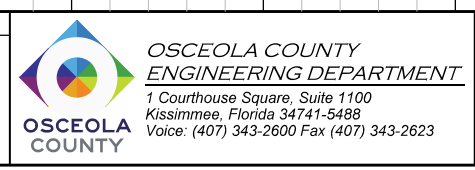
234+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

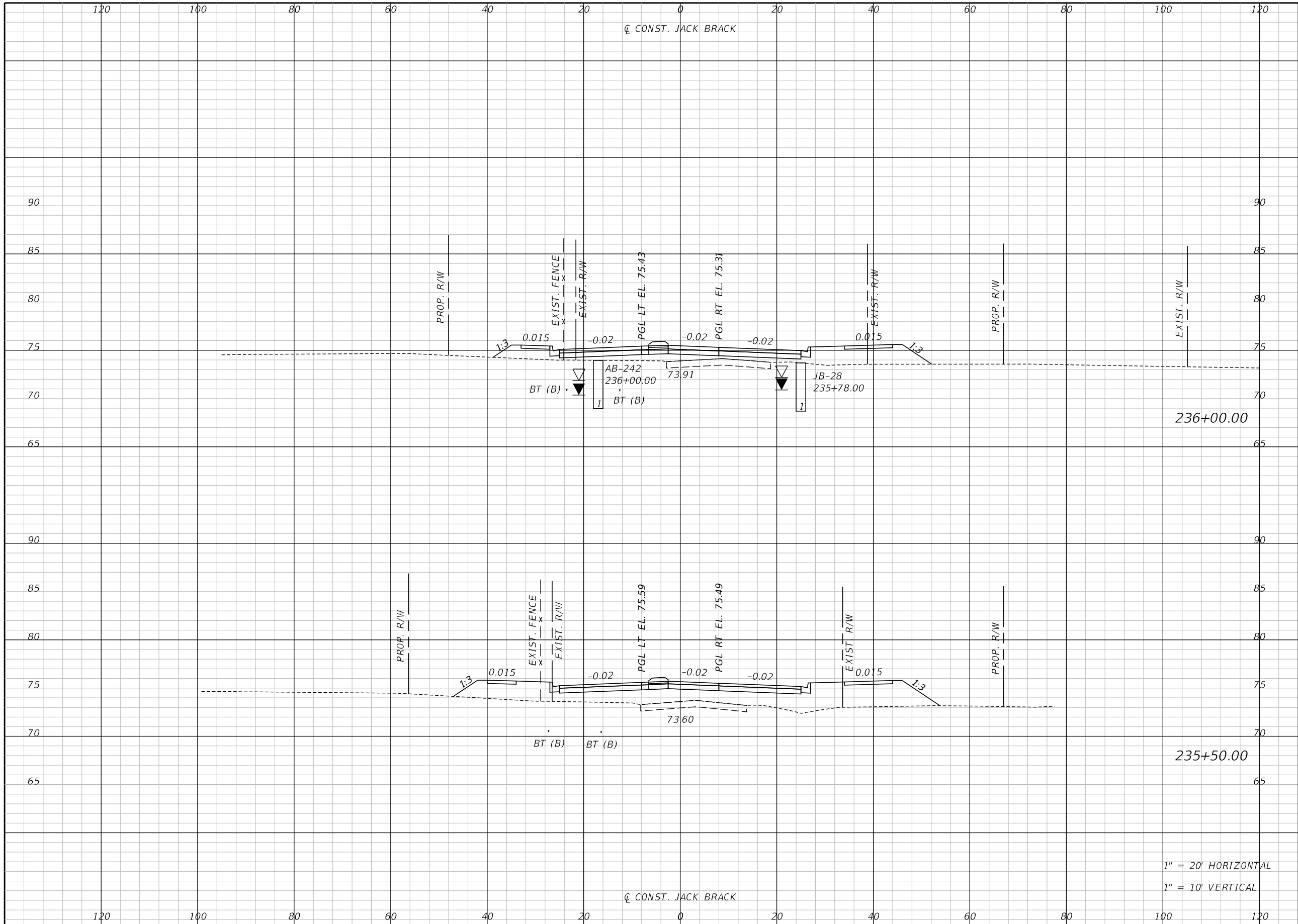
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
321

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236+00.00

235+50.00

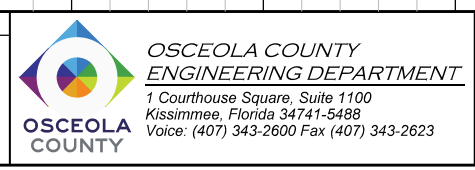
1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

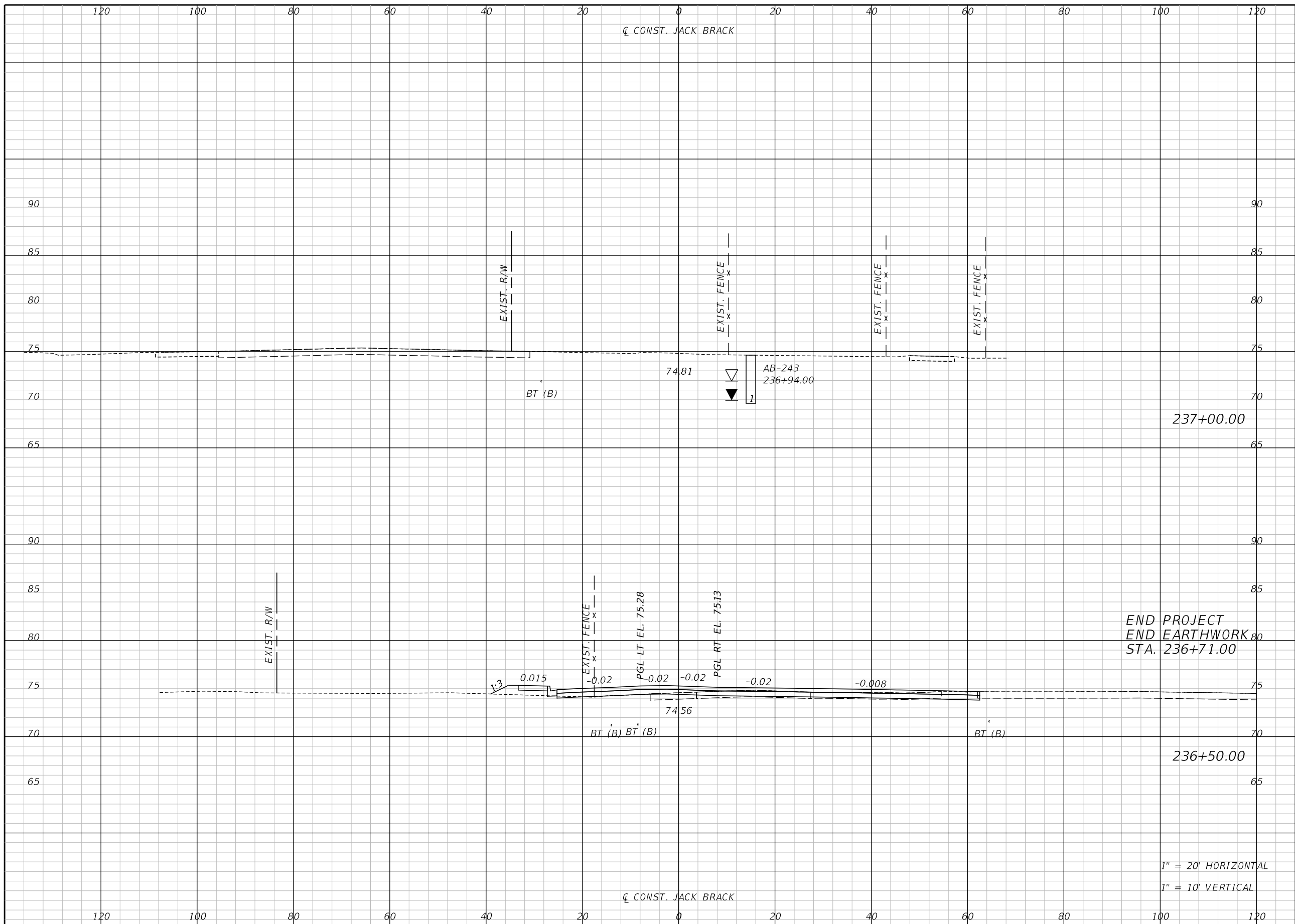
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



CROSS SECTIONS

SHEET NO.
322

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237+00.00

END PROJECT
END EARTHWORK
STA. 236+71.00

236+50.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

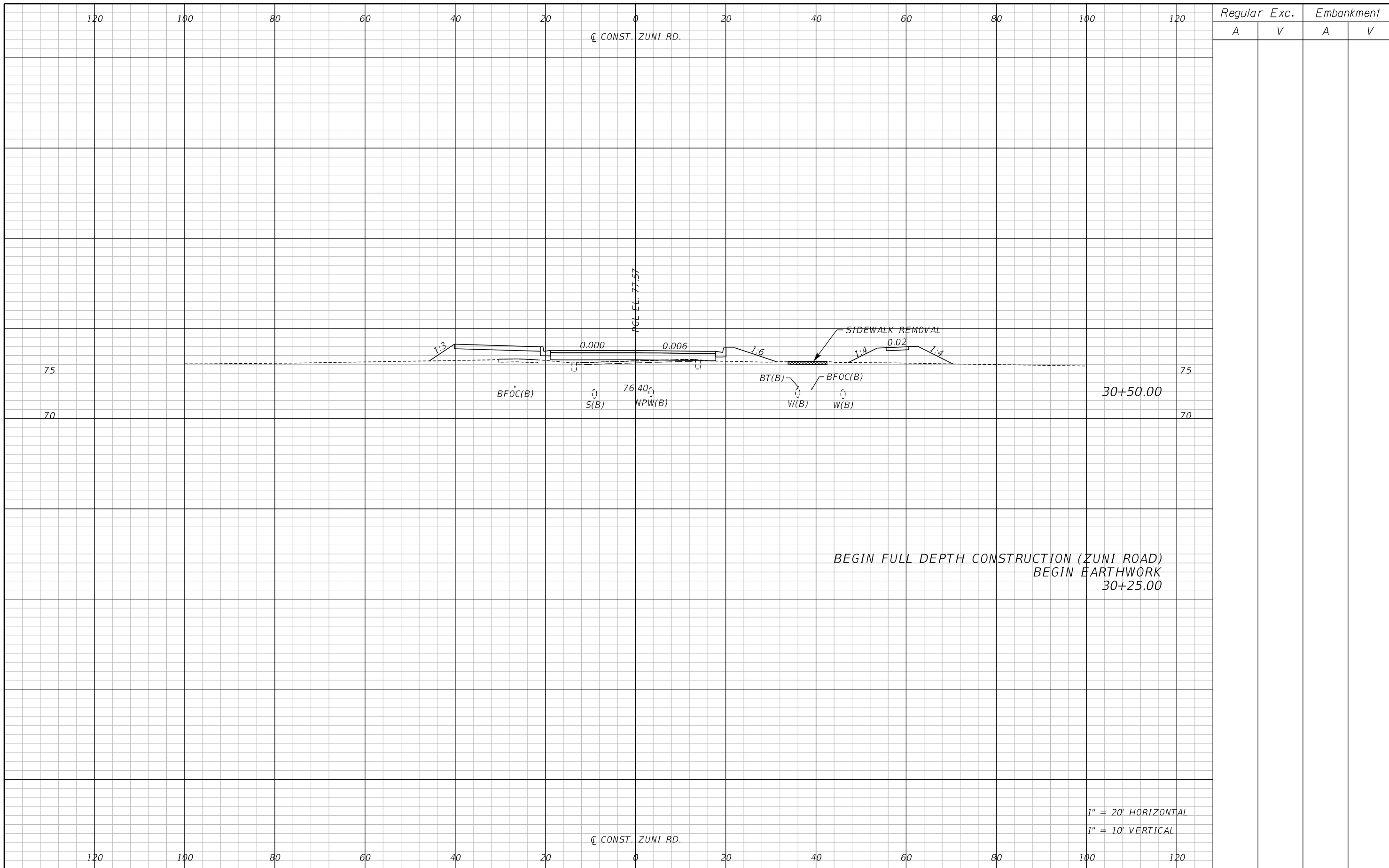
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

CROSS SECTIONS

SHEET NO.
323

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

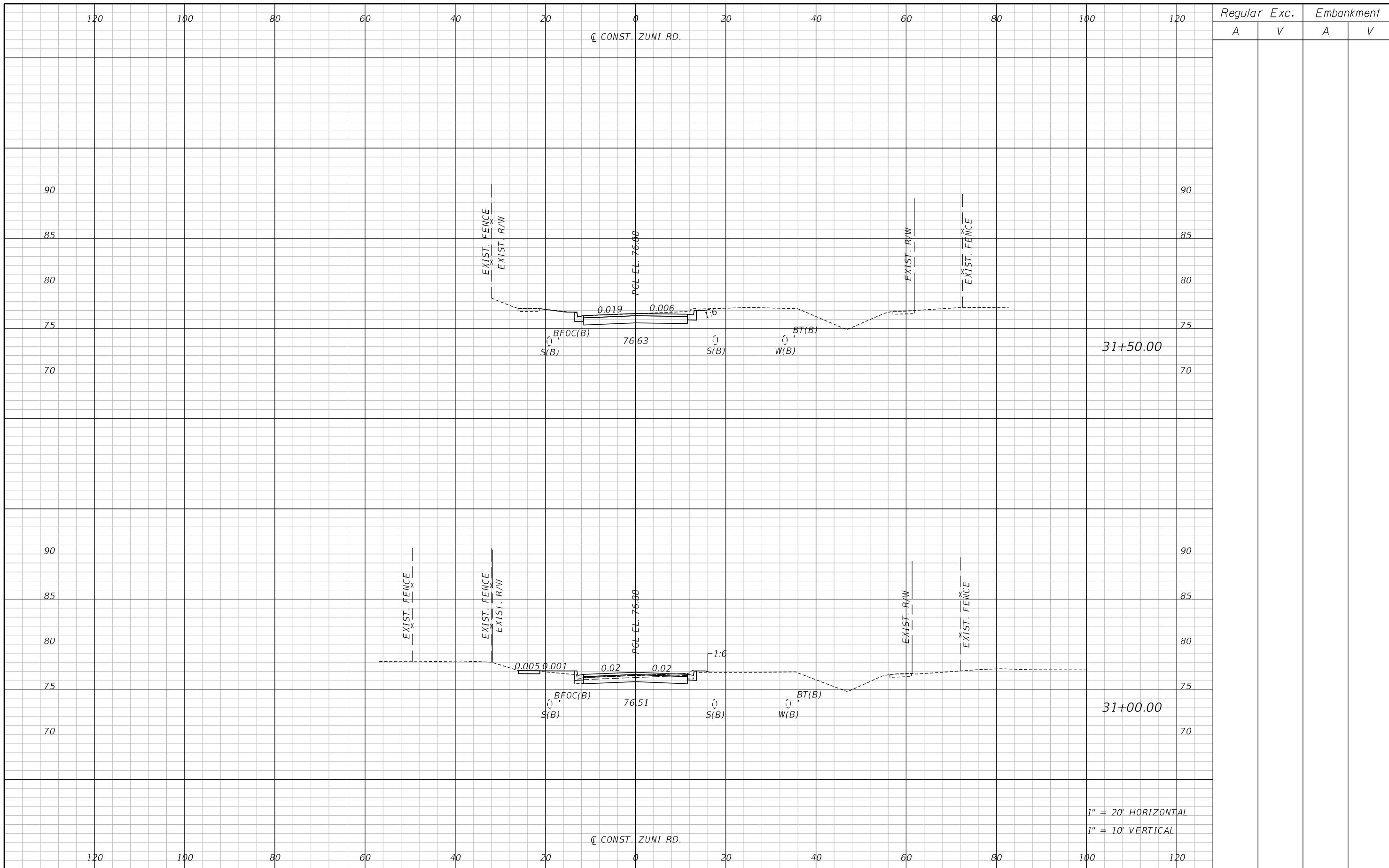
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**CROSS SECTIONS
ZUNI ROAD**

SHEET
NO.
324

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

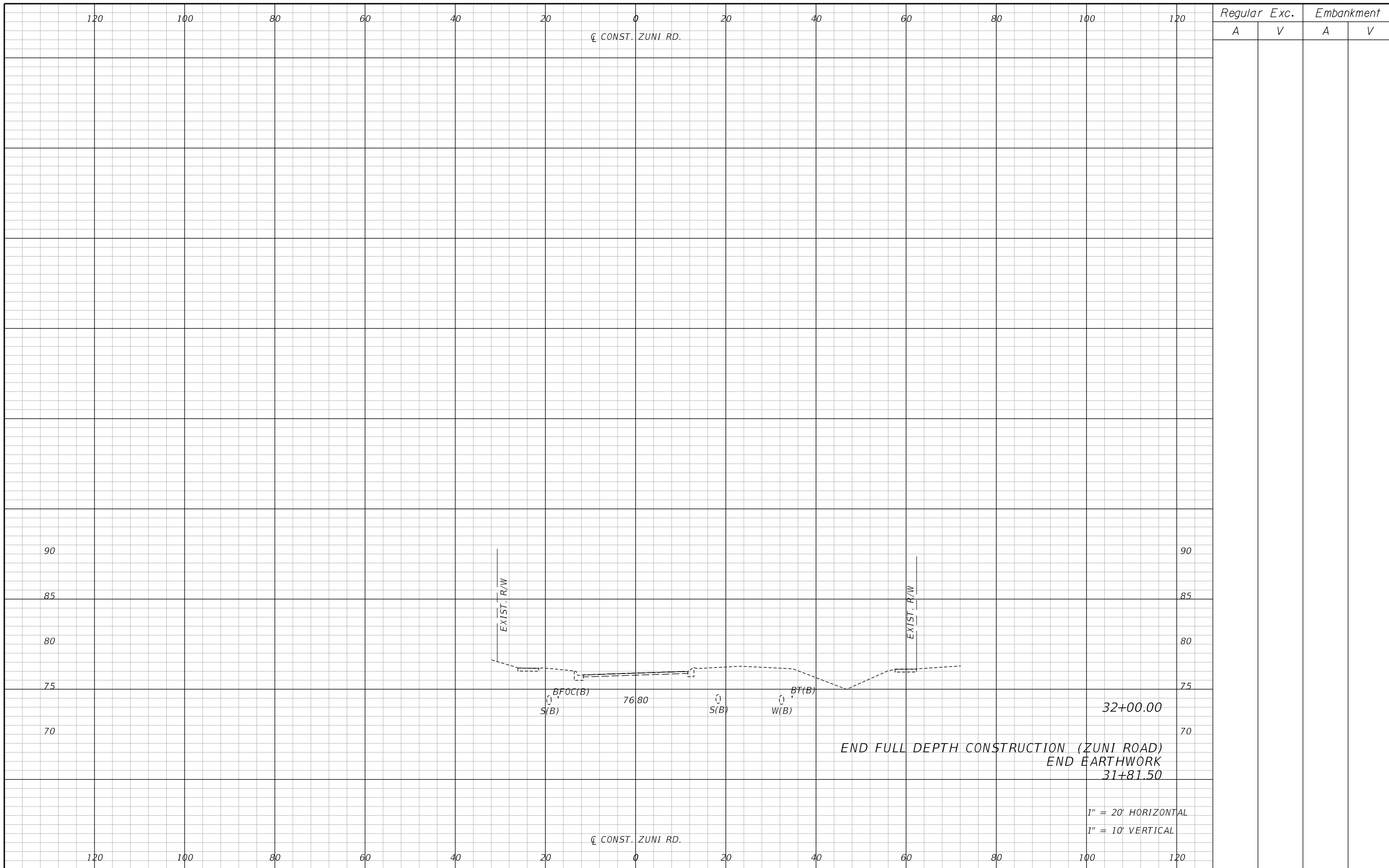
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**CROSS SECTIONS
ZUNI ROAD**

SHEET NO.
325

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

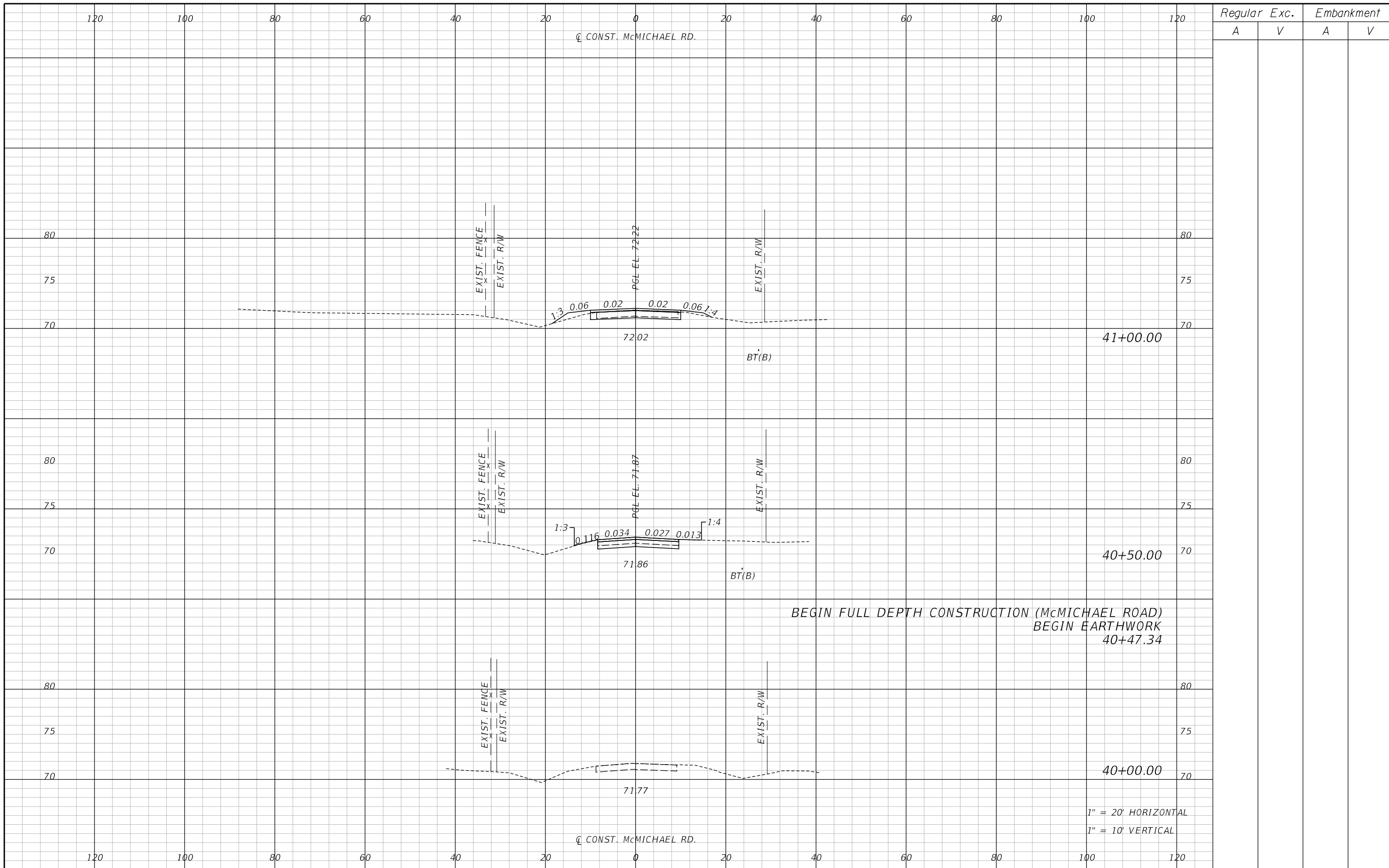
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**CROSS SECTIONS
ZUNI ROAD**

SHEET
NO.
326

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

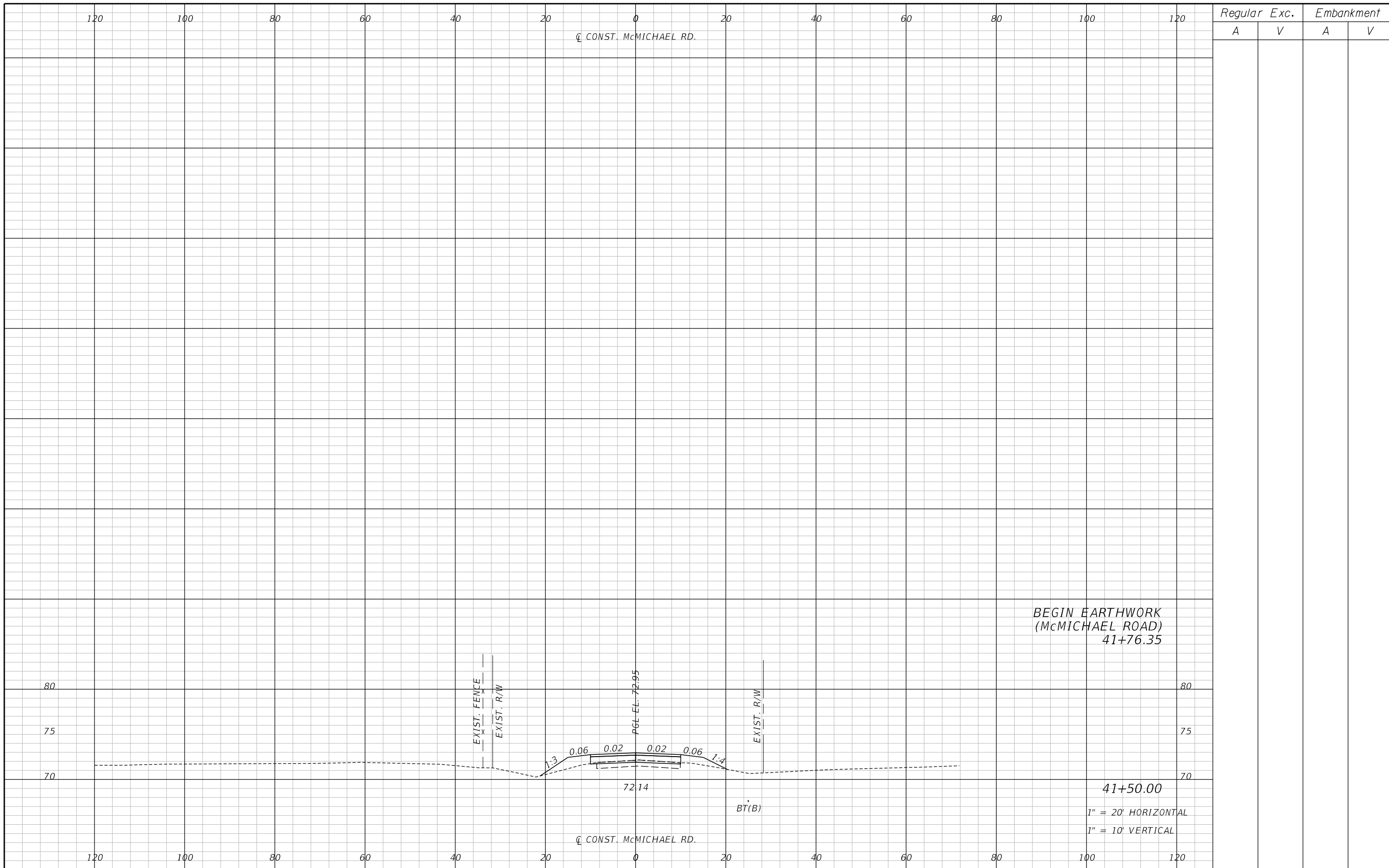
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**CROSS SECTIONS
McMICHAEL ROAD**

SHEET
NO.
327

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

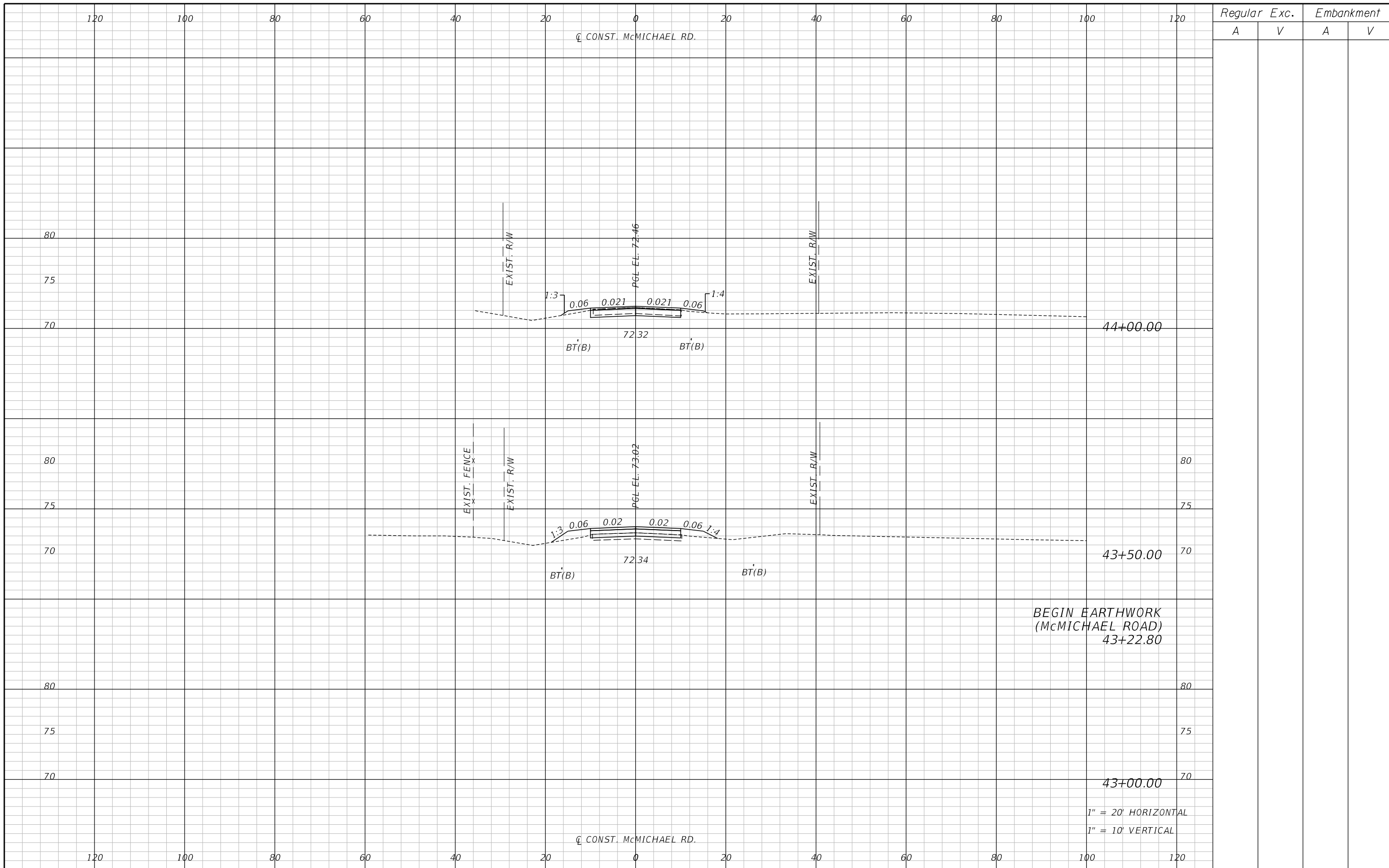
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



**CROSS SECTIONS
McMICHAEL ROAD**

SHEET NO.
328

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

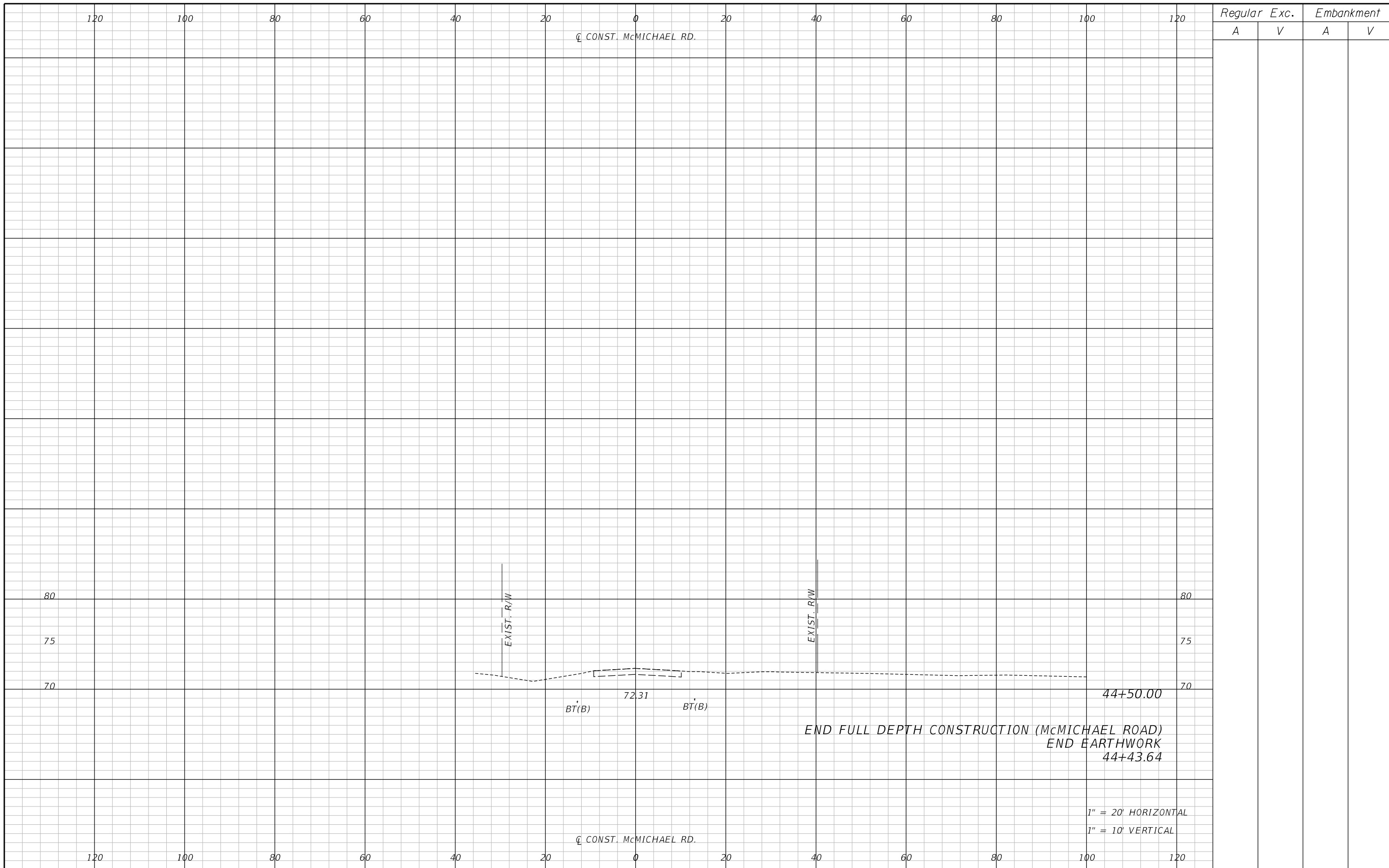
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**CROSS SECTIONS
McMICHAEL ROAD**

SHEET NO.
329

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

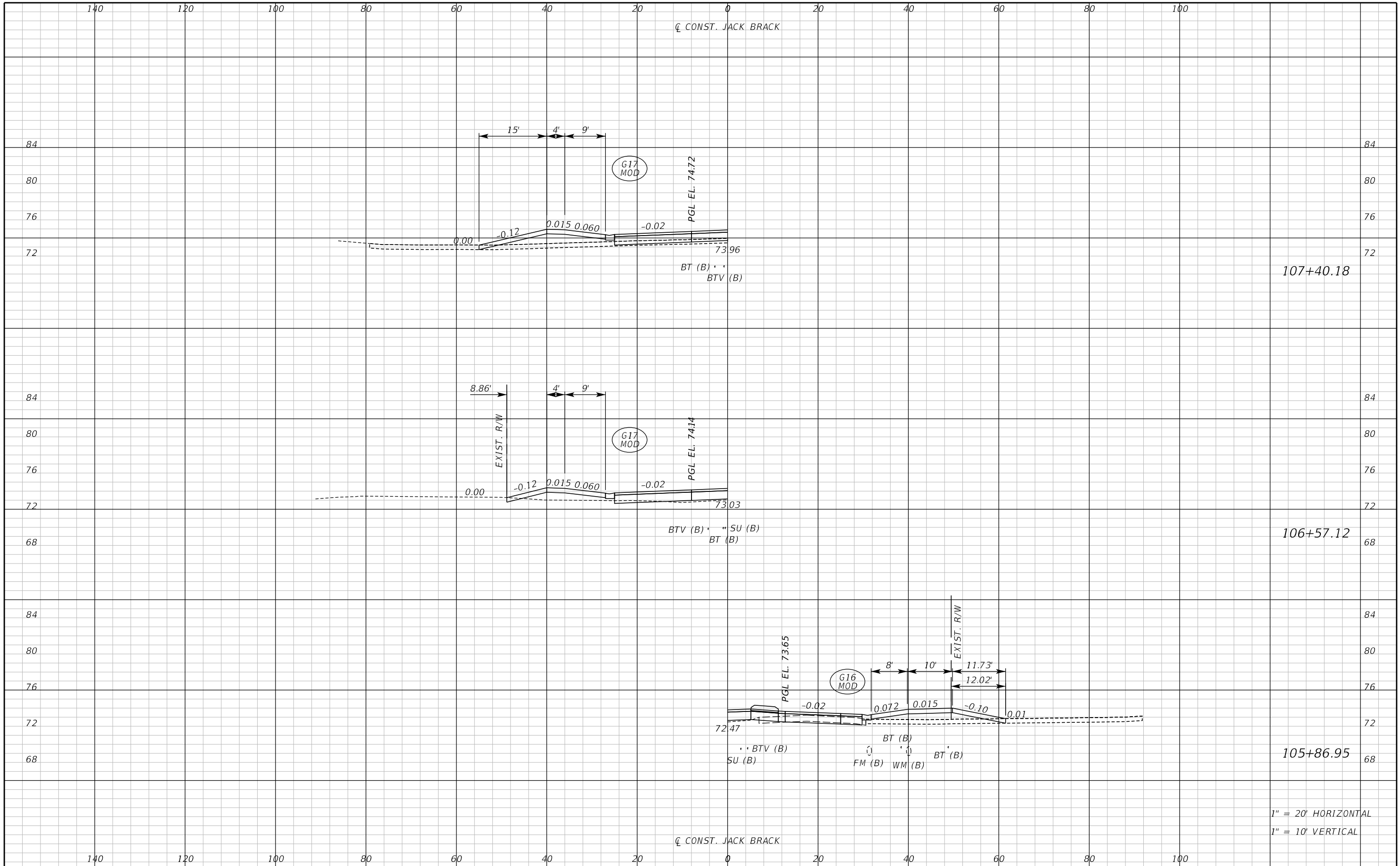
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**CROSS SECTIONS
McMICHAEL ROAD**

SHEET NO.
330

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107+40.18

106+57.12

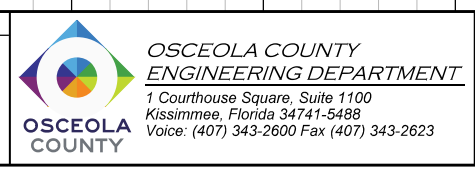
105+86.95

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

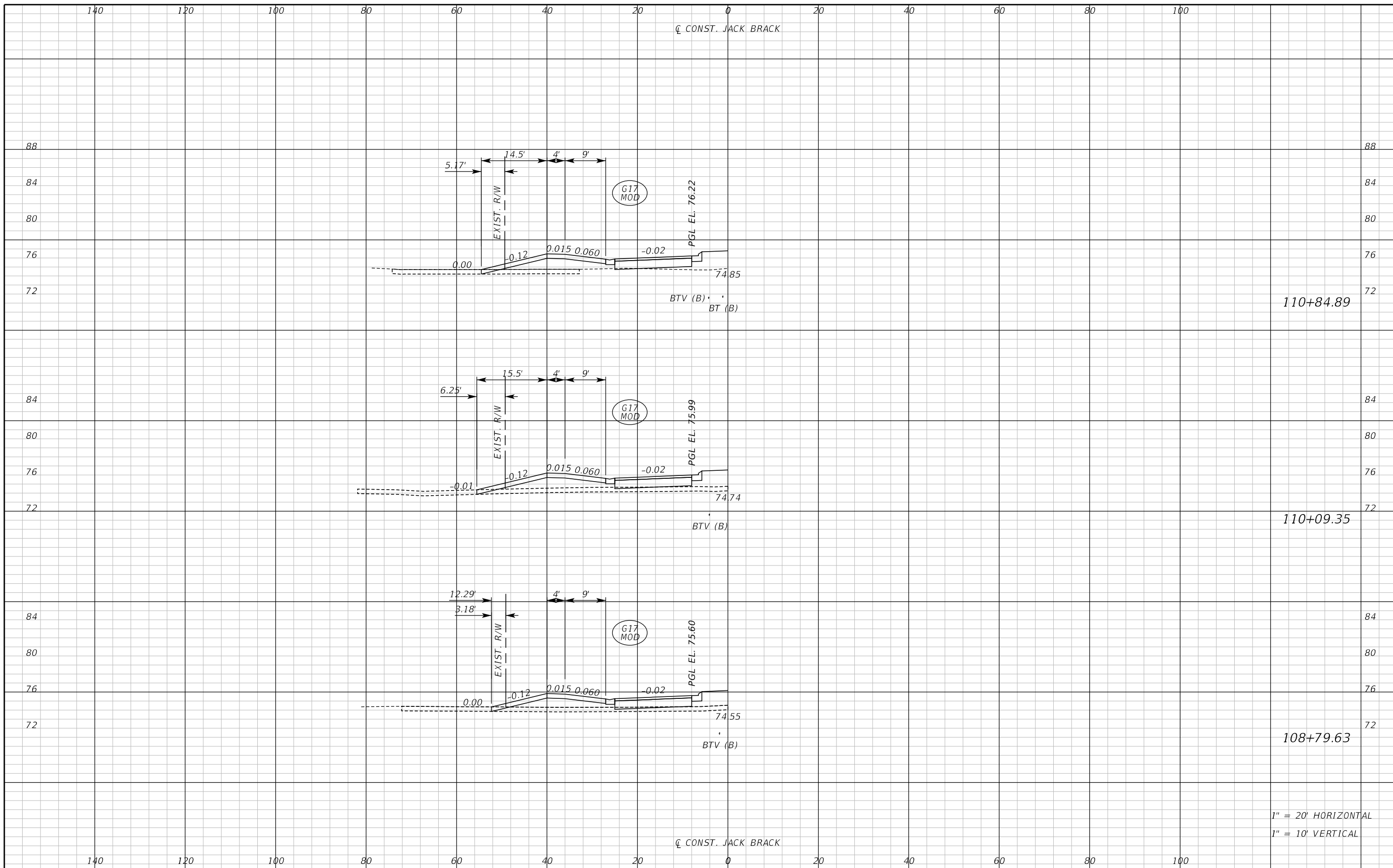
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
331

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110+84.89

110+09.35

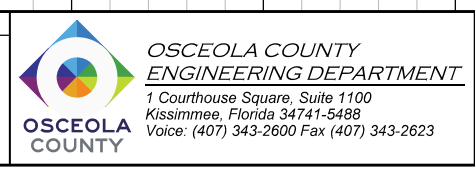
108+79.63

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

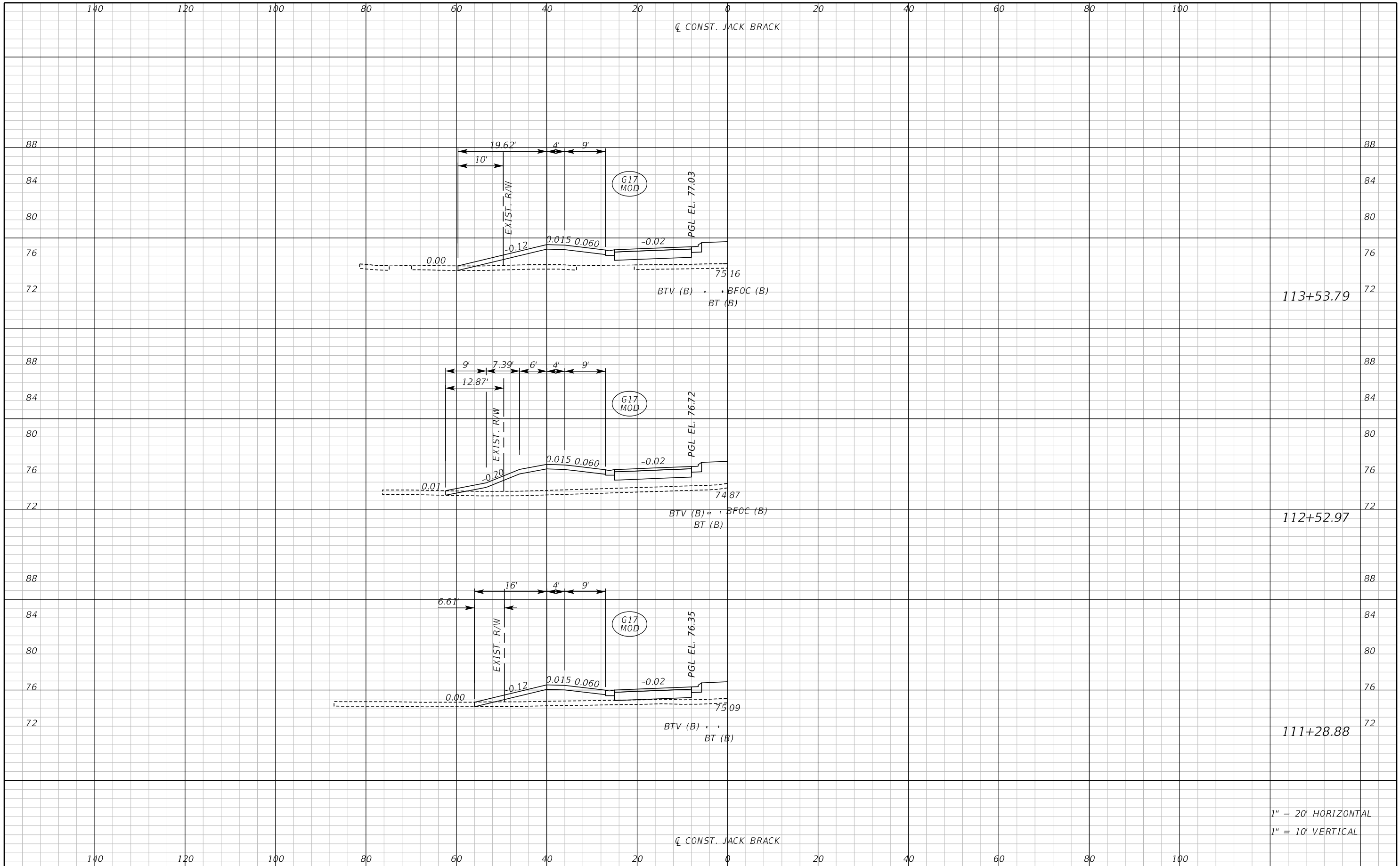
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
332

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113+53.79

112+52.97

111+28.88

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

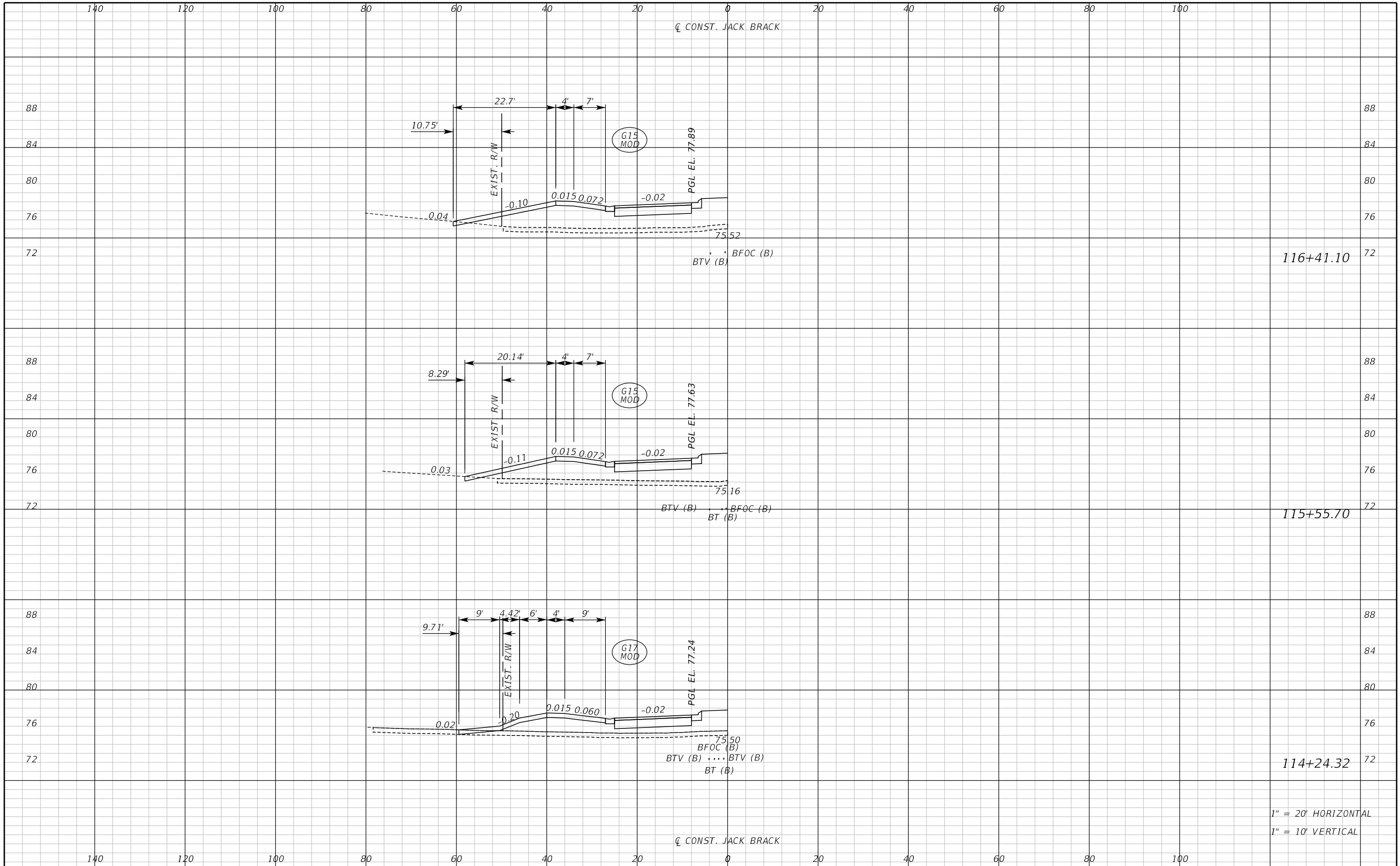
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
333

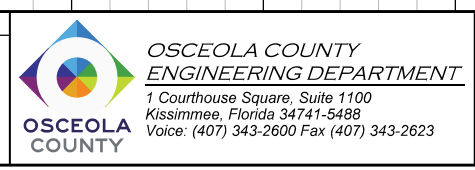
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

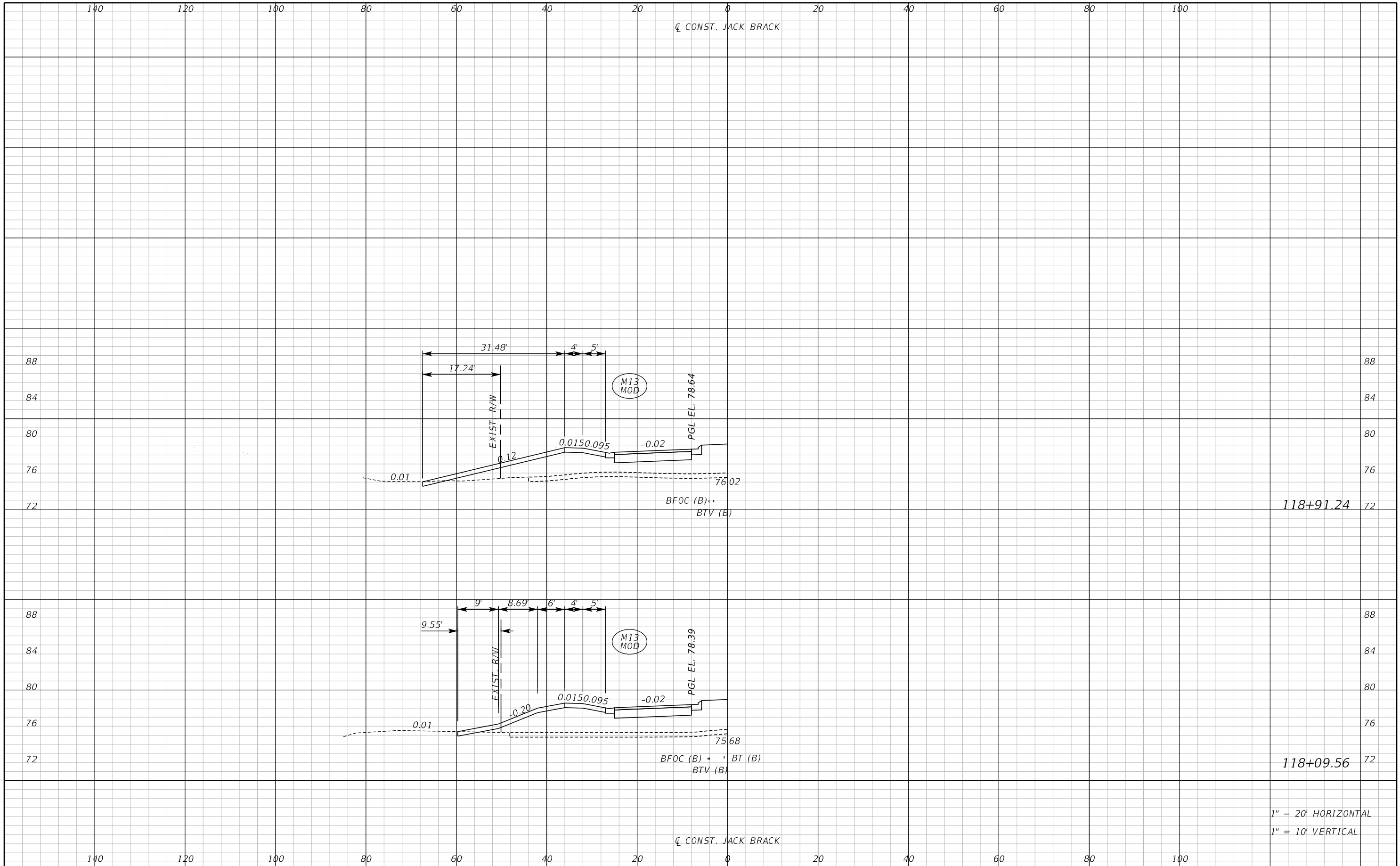
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
334

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



118+91.24

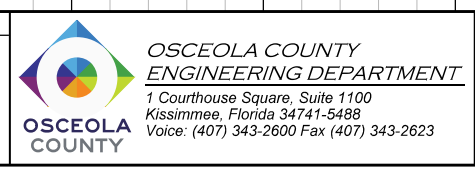
118+09.56

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

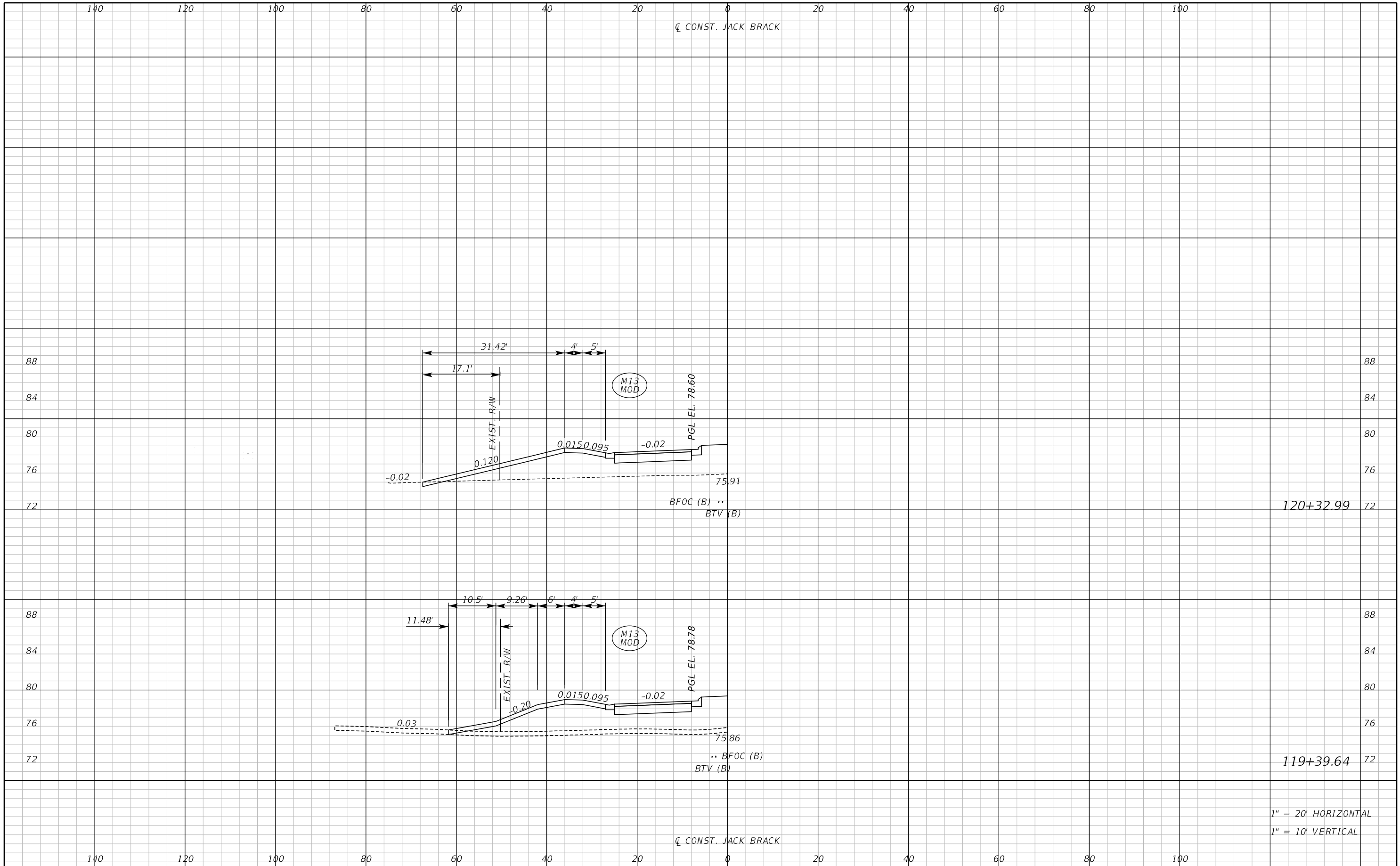
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
335

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1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

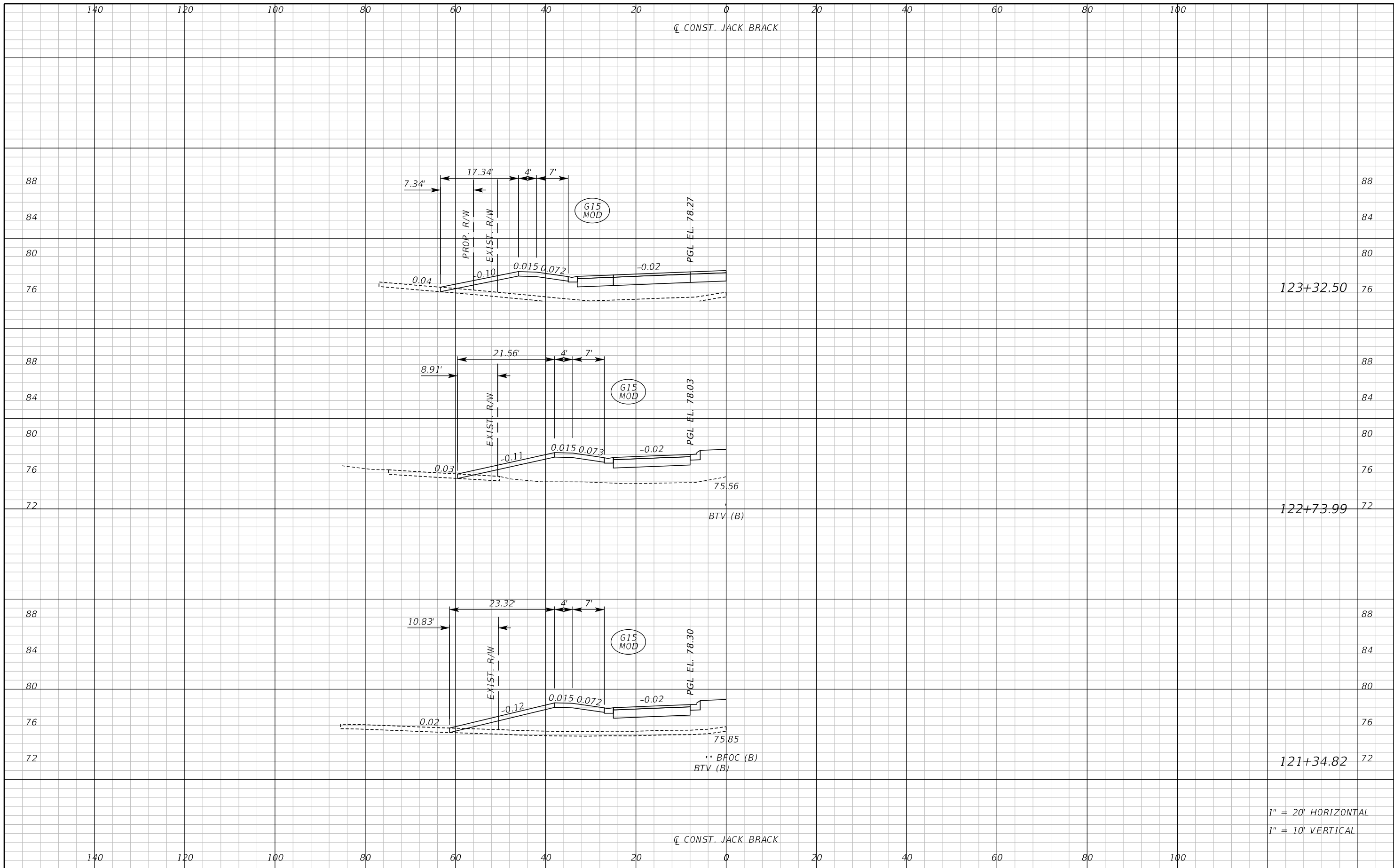


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

DRIVEWAY CROSS SECTIONS

SHEET NO.
336

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123+32.50

122+73.99

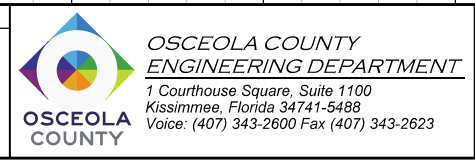
121+34.82

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

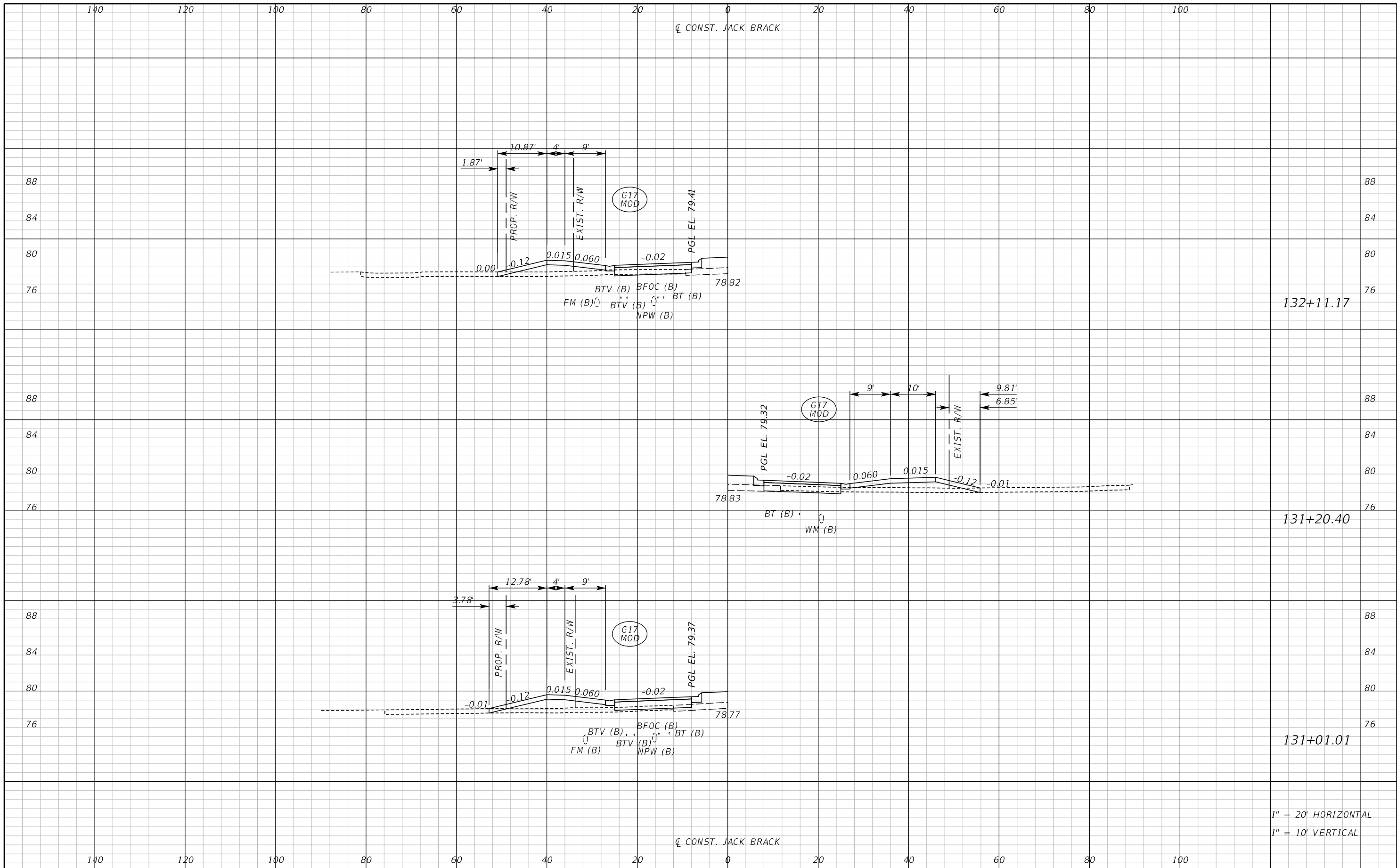
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
337

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132+11.17

131+20.40

131+01.01

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

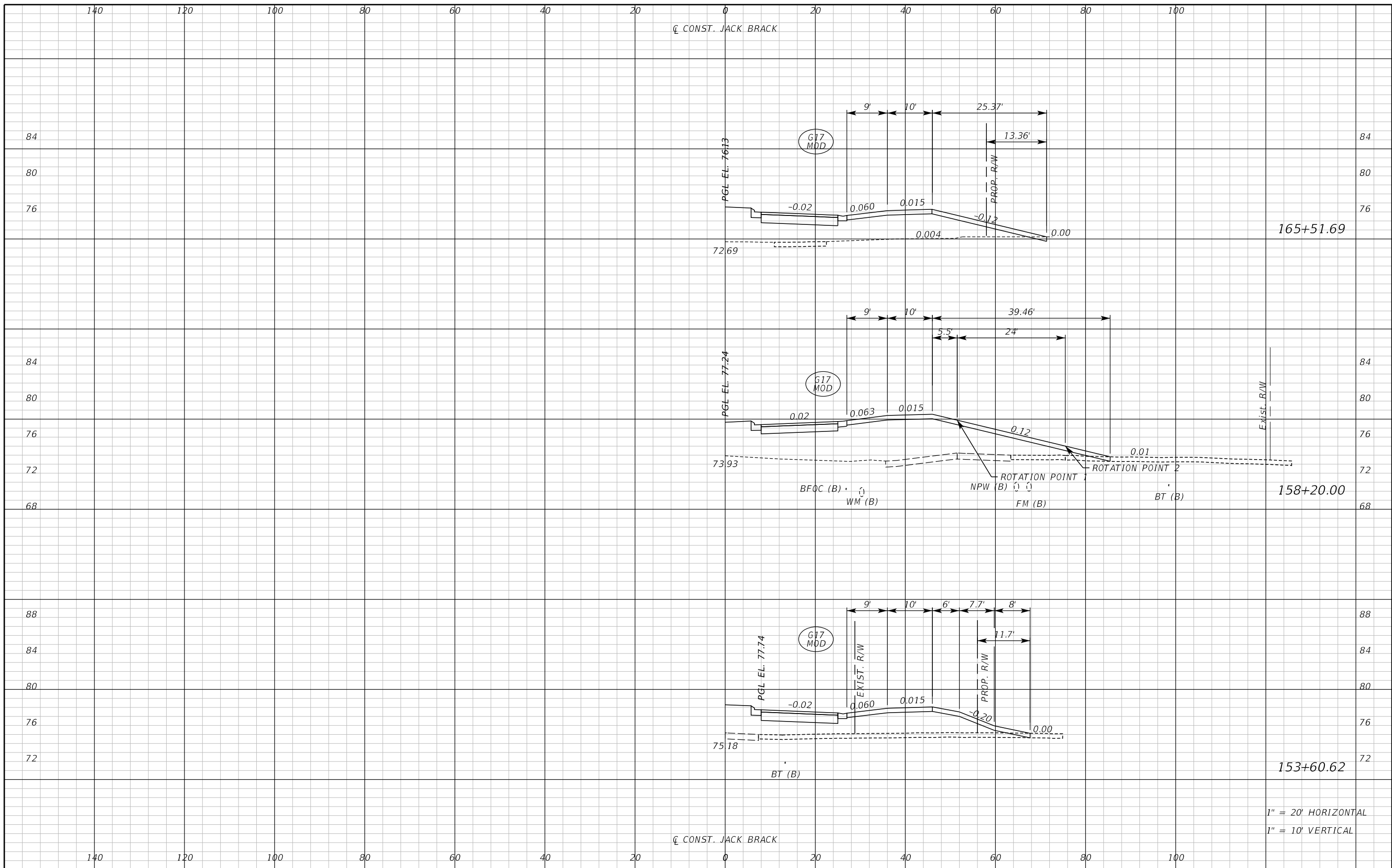
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
338

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



1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

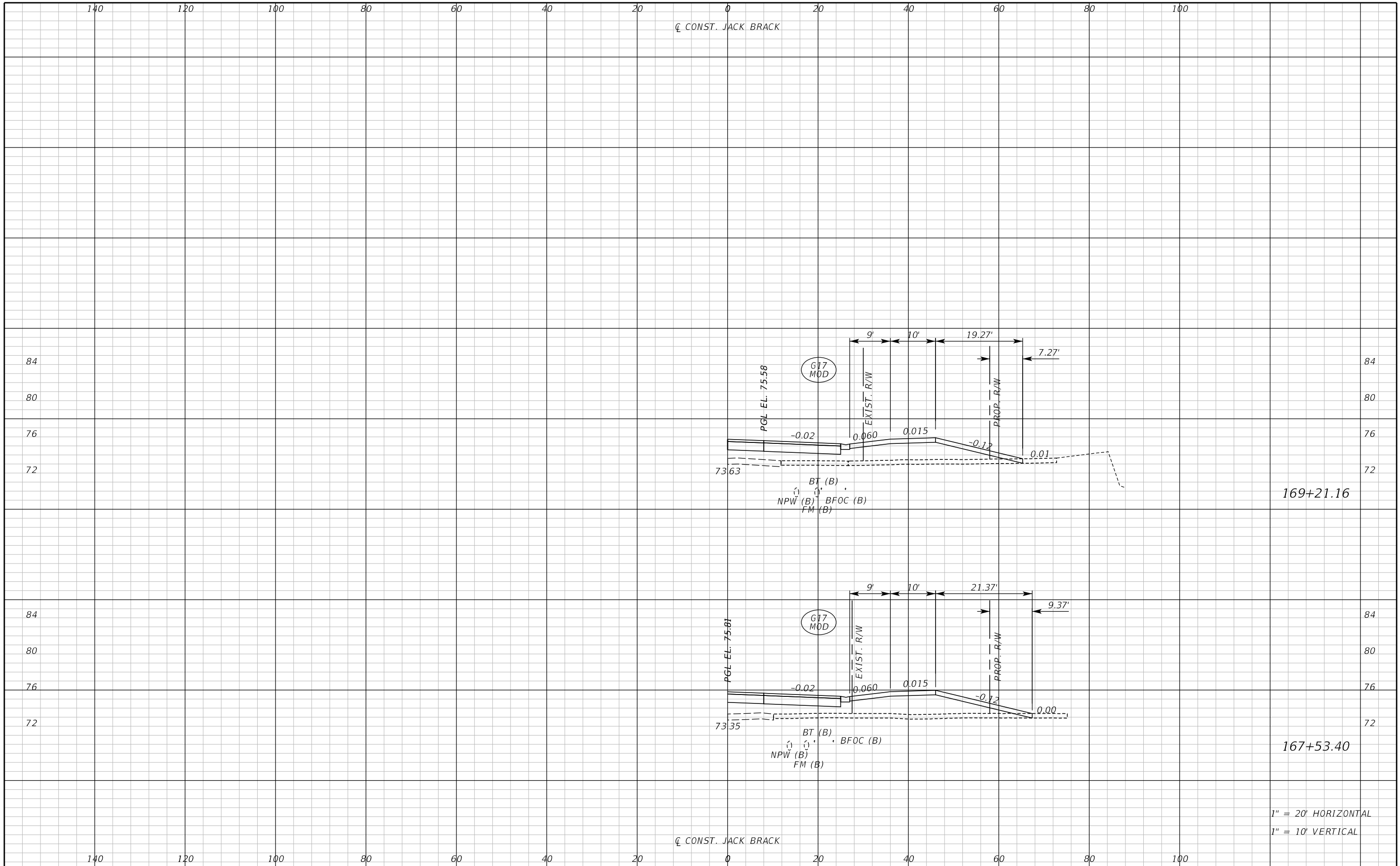
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovers Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
339

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovers Drive, Suite 200
 Oviedo, Florida 32765

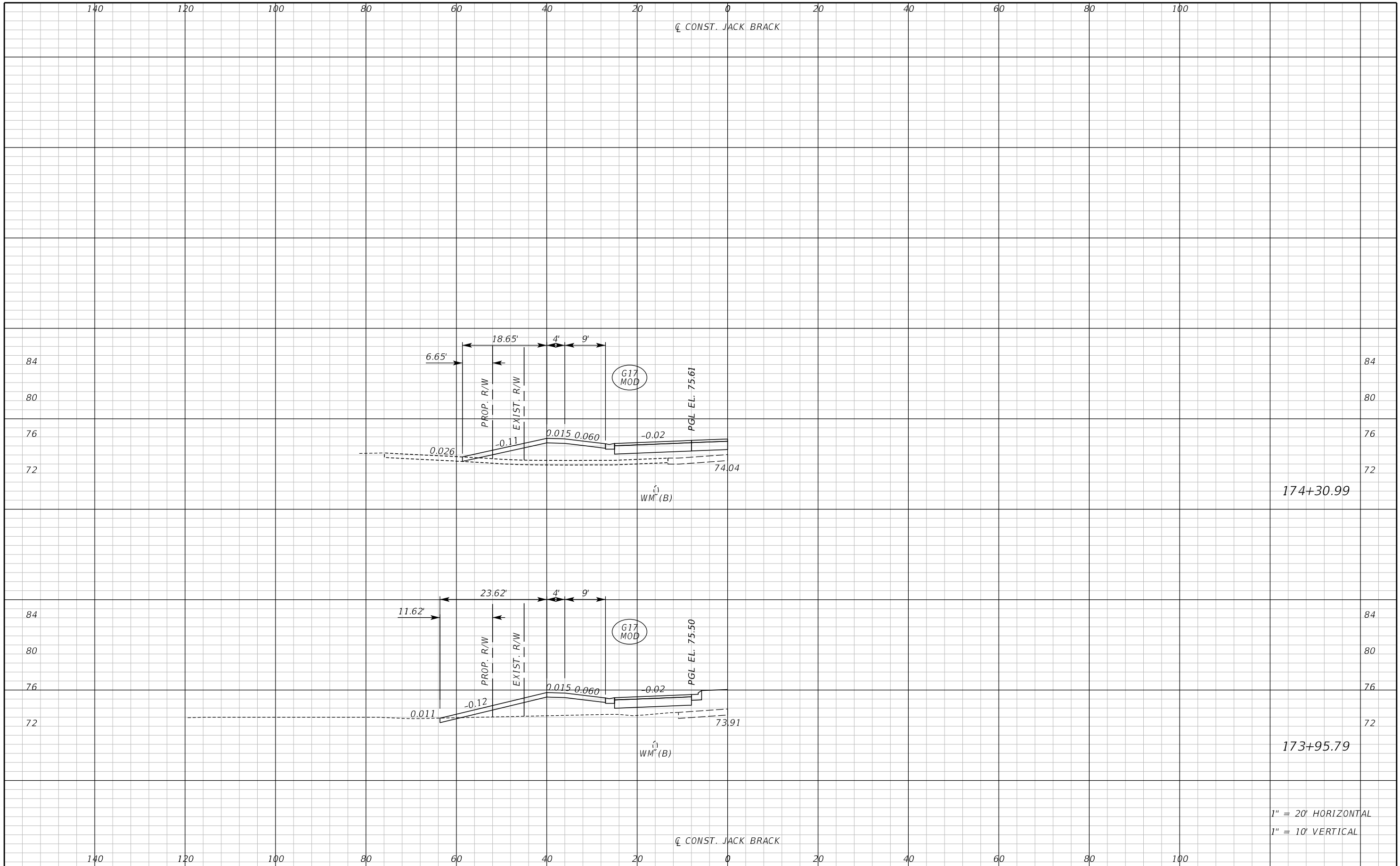


DRIVEWAY CROSS SECTIONS

SHEET NO.
340

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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



174+30.99

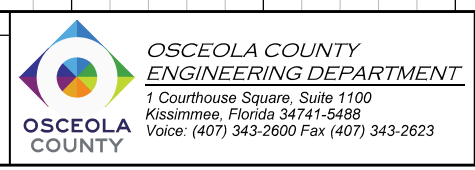
173+95.79

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

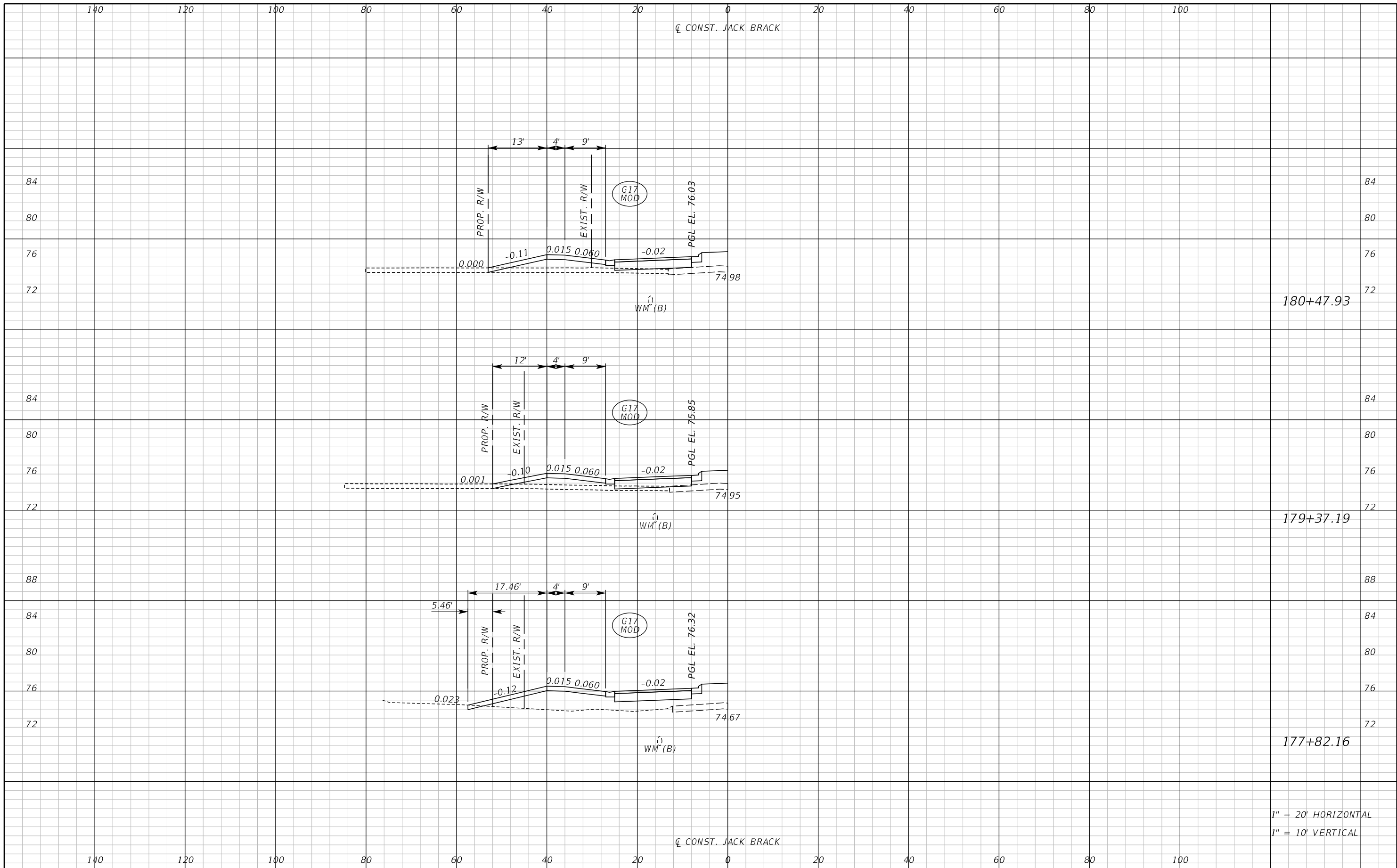
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
341

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180+47.93

179+37.19

177+82.16

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

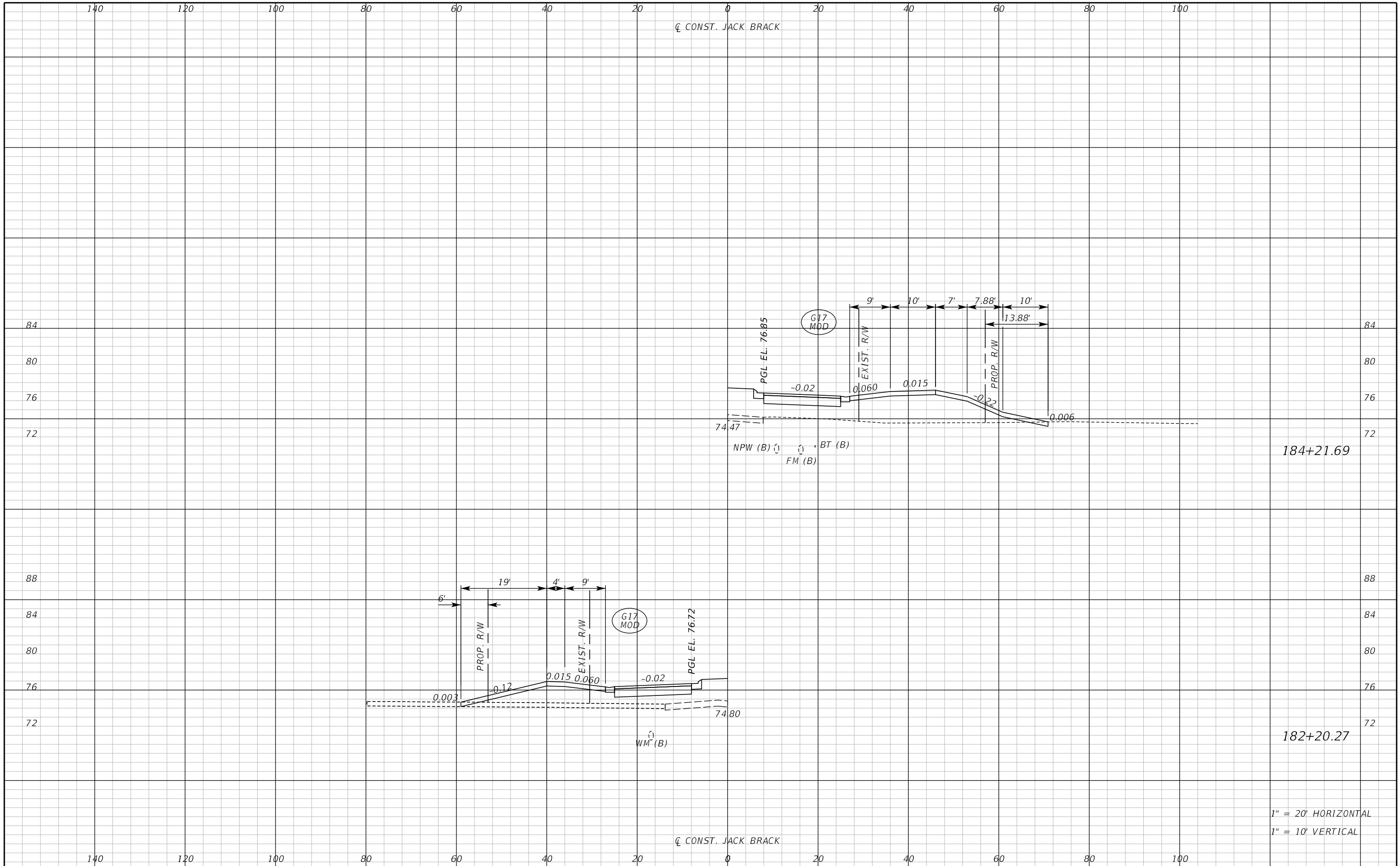
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
342

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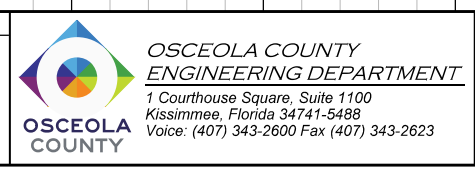


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REVISIONS		
DATE	BY	DESCRIPTION

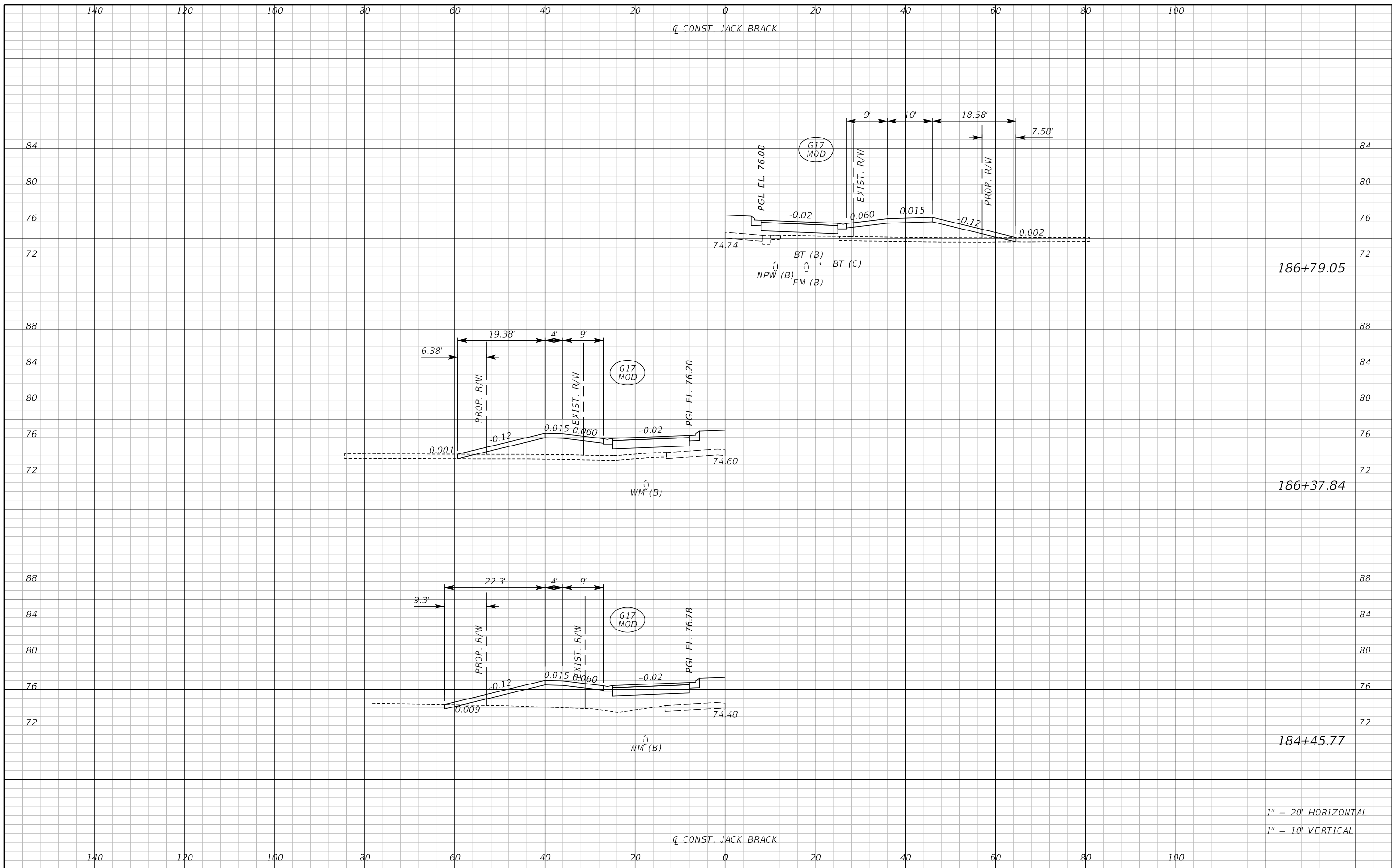
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

SHEET NO.
343

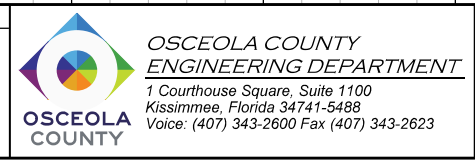


1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

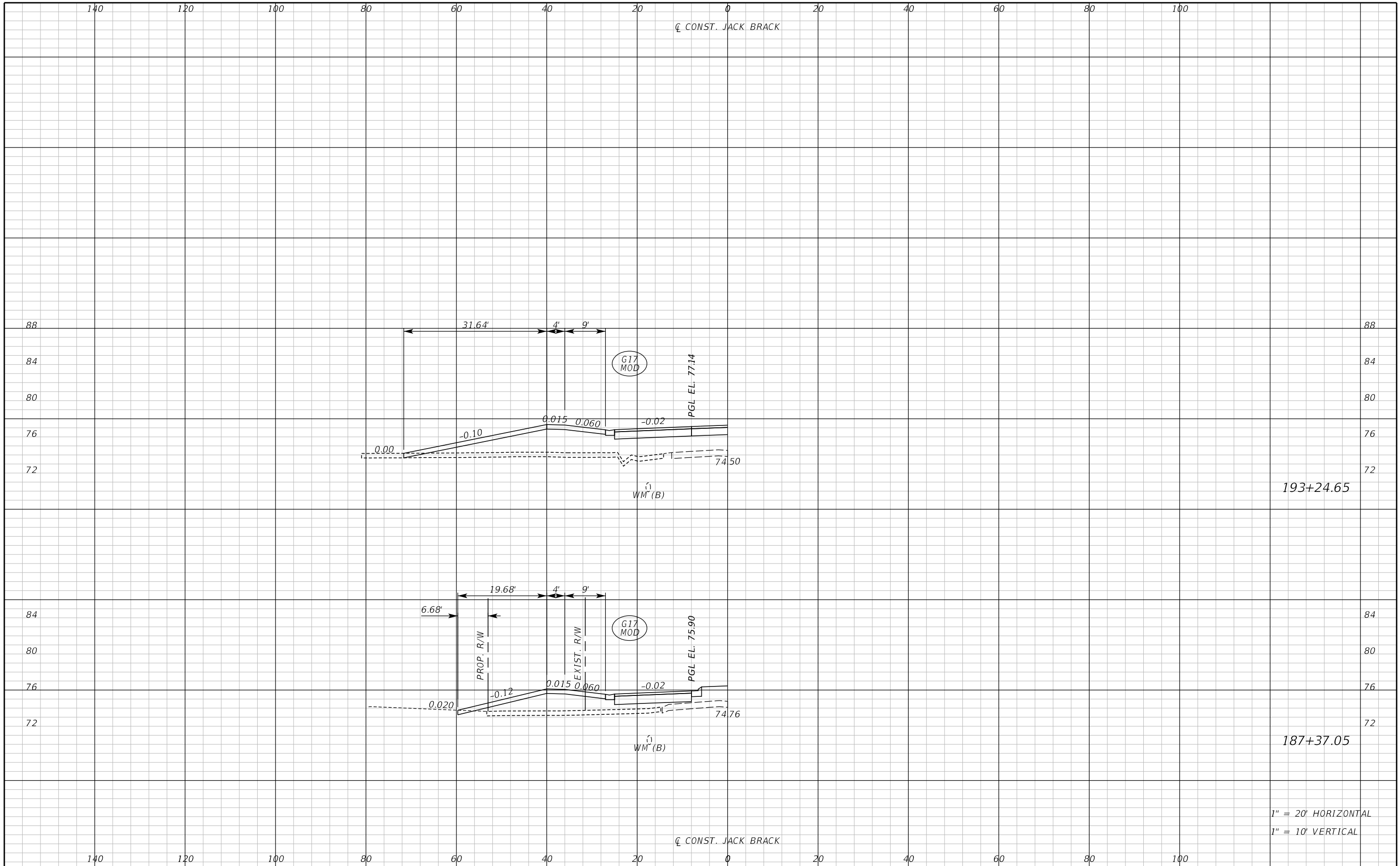
ENGINEER OF RECORD
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DRIVEWAY CROSS SECTIONS

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193+24.65

187+37.05

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

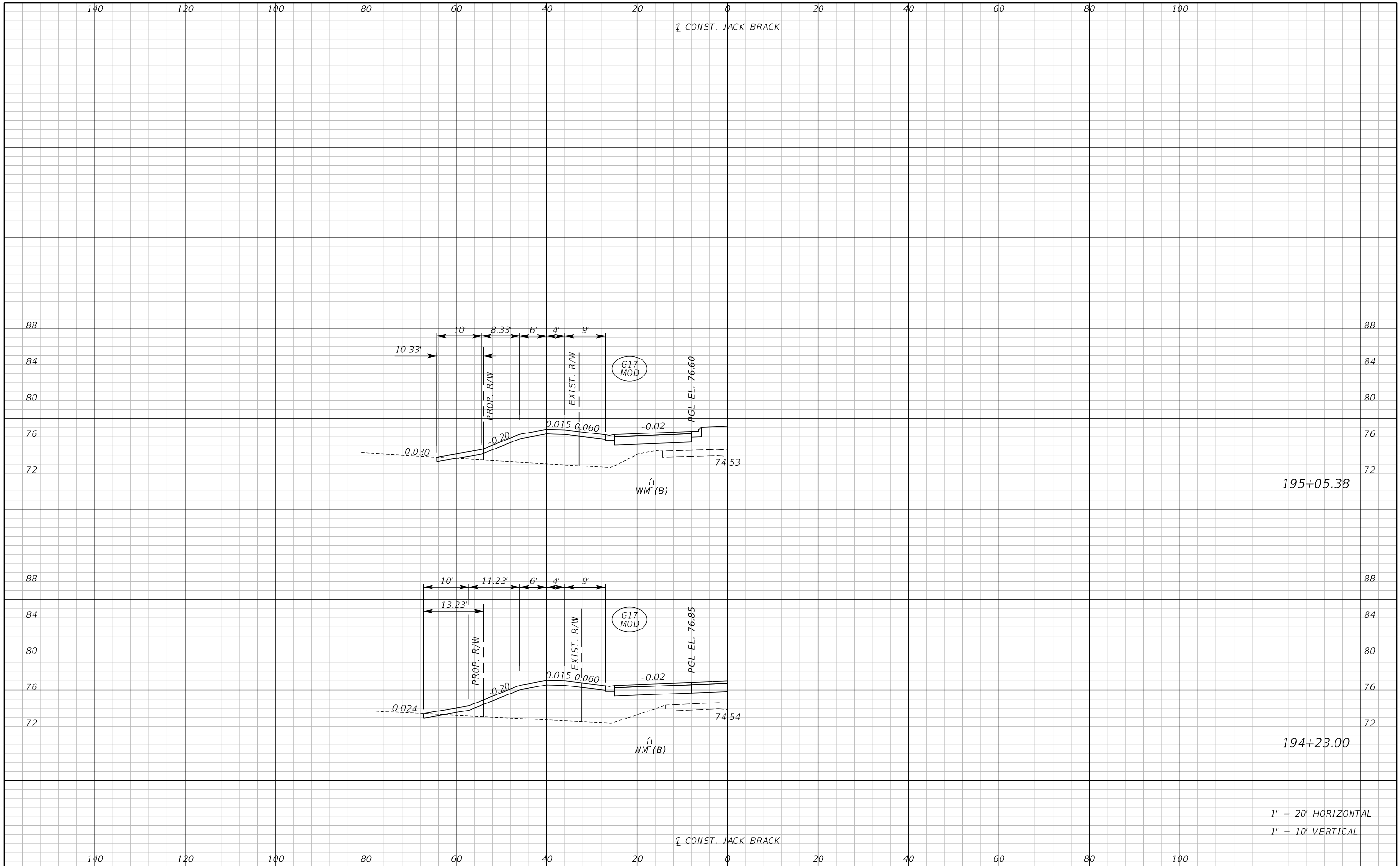


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
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DRIVEWAY CROSS SECTIONS

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195+05.38


194+23.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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Kevin Joseph Iannarone, PE
PE No. 71527
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Oviedo, Florida 32765

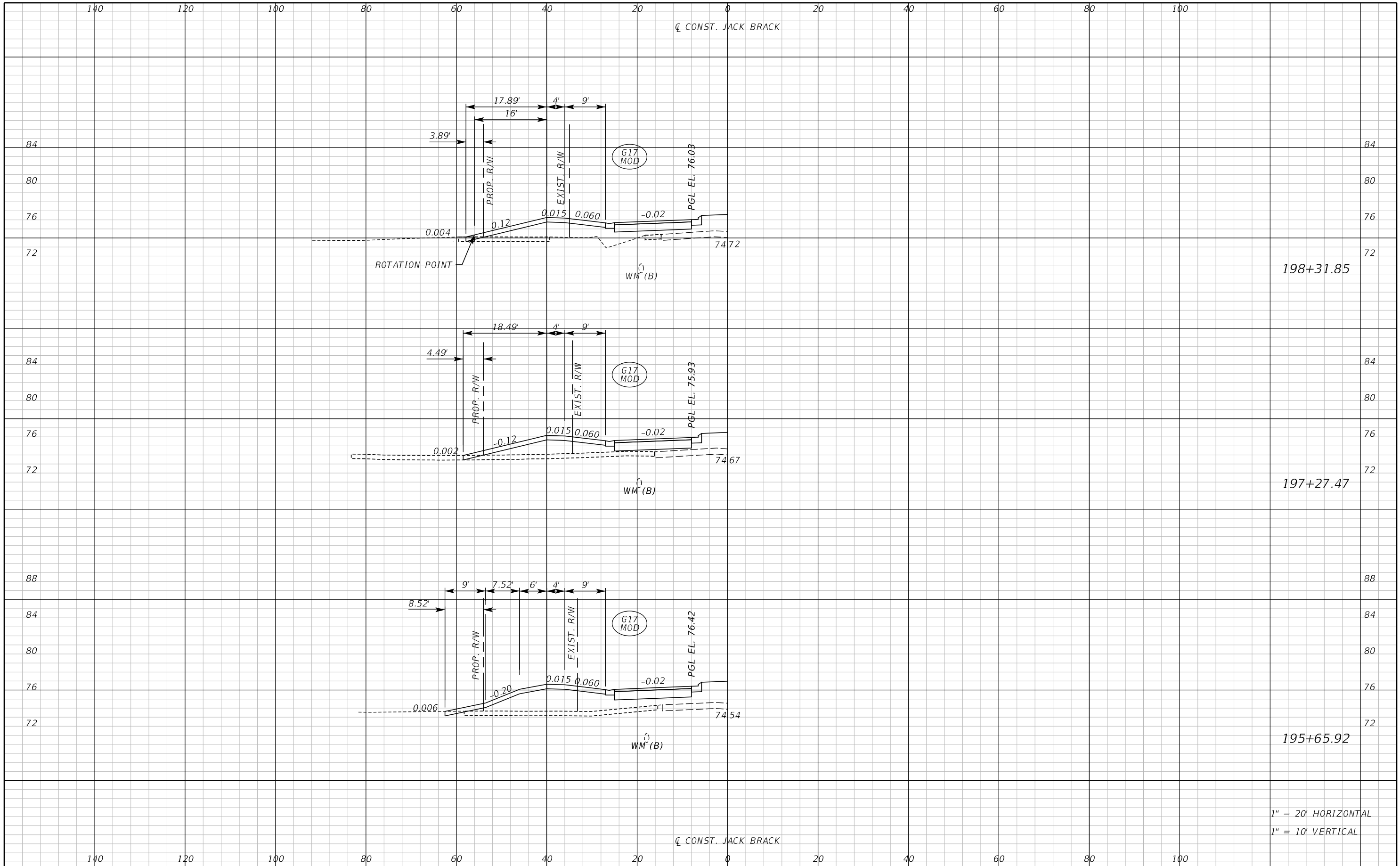


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Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

DRIVEWAY CROSS SECTIONS

SHEET
NO.
346

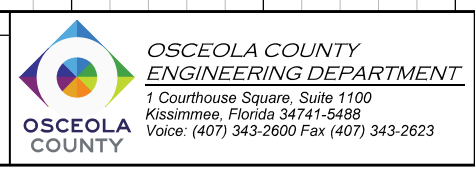
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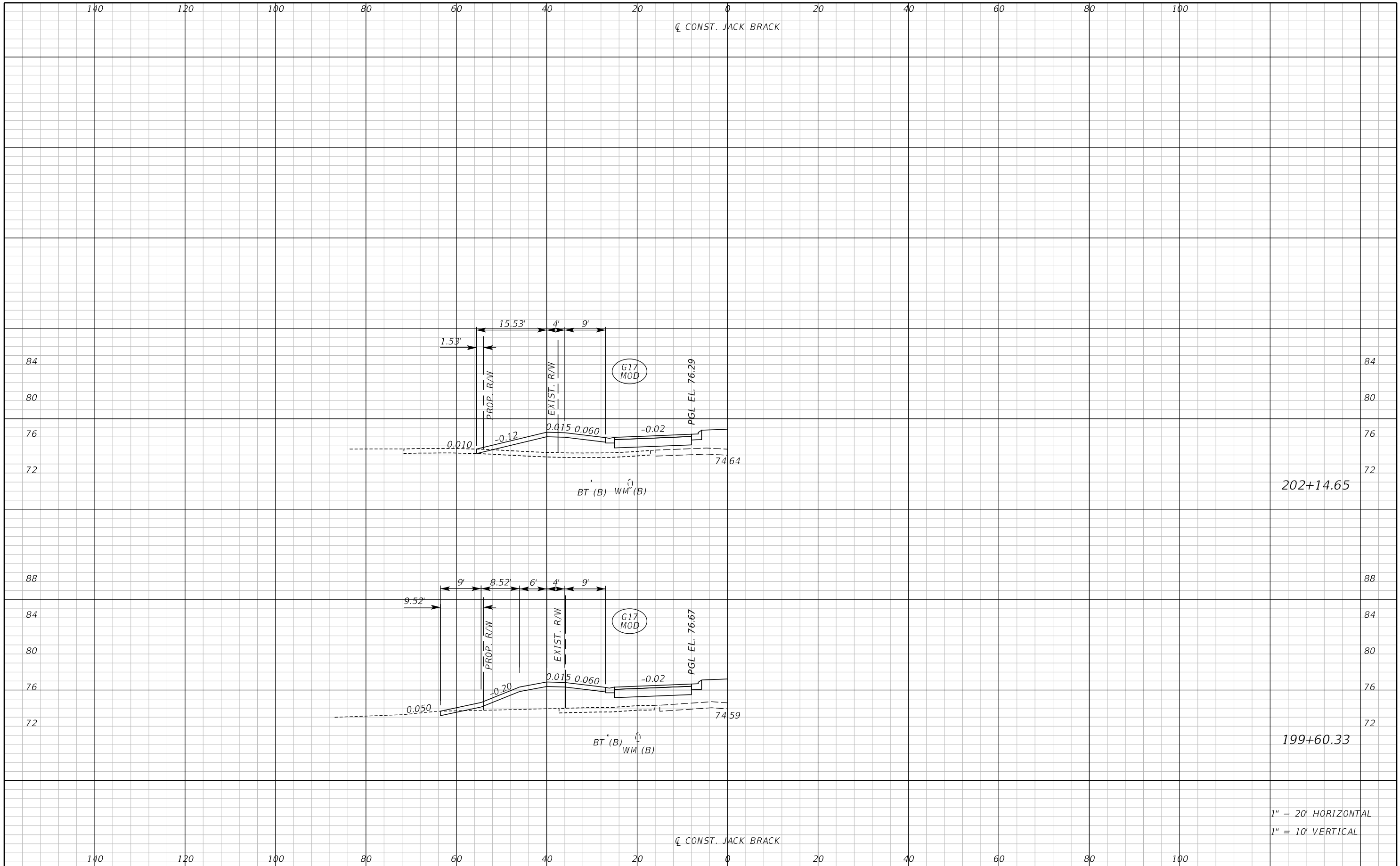
ENGINEER OF RECORD
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DRIVEWAY CROSS SECTIONS

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202+14.65

199+60.33

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

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Oviedo, Florida 32765

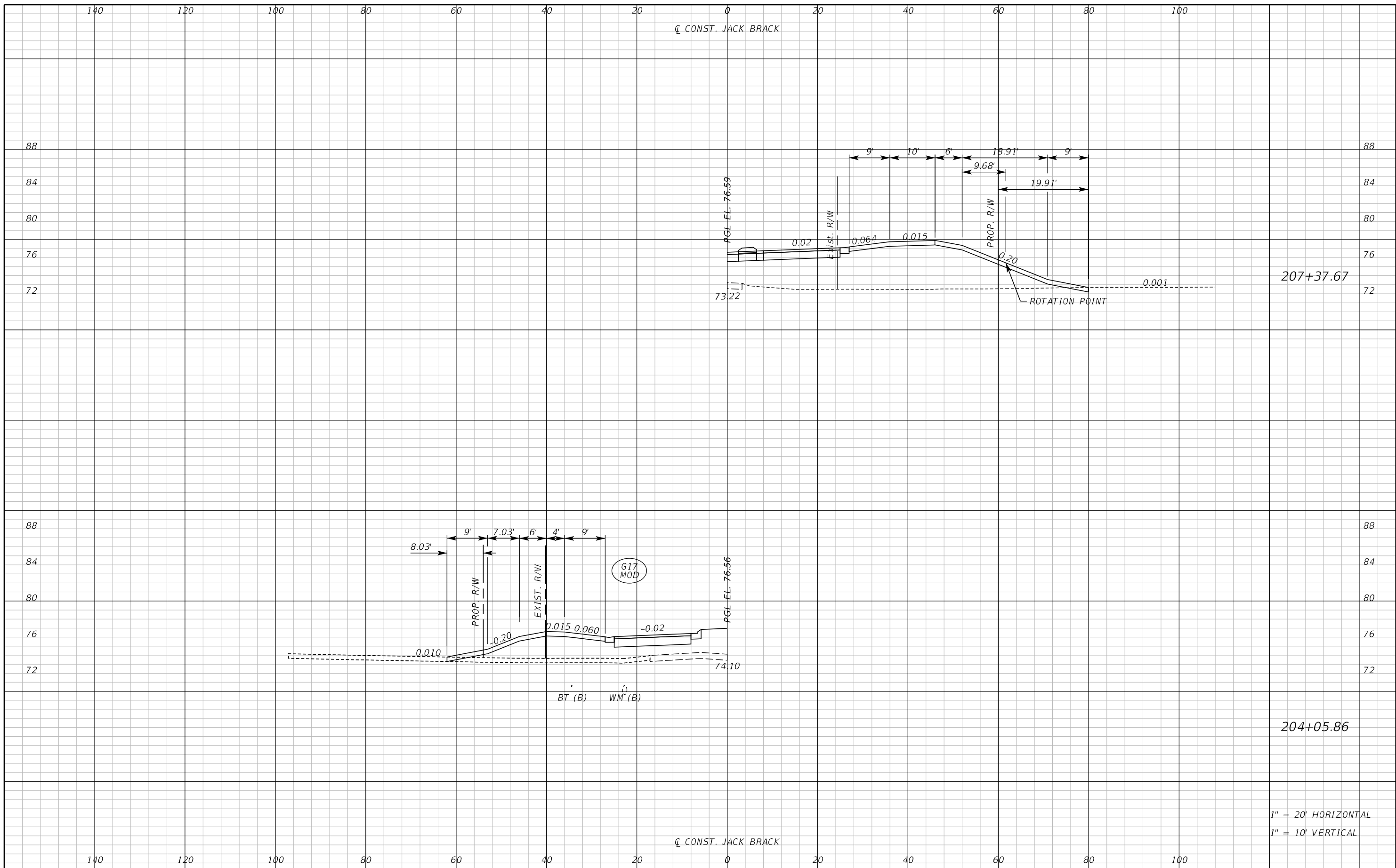


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DRIVEWAY CROSS SECTIONS

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207+37.67


204+05.86

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

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Oviedo, Florida 32765

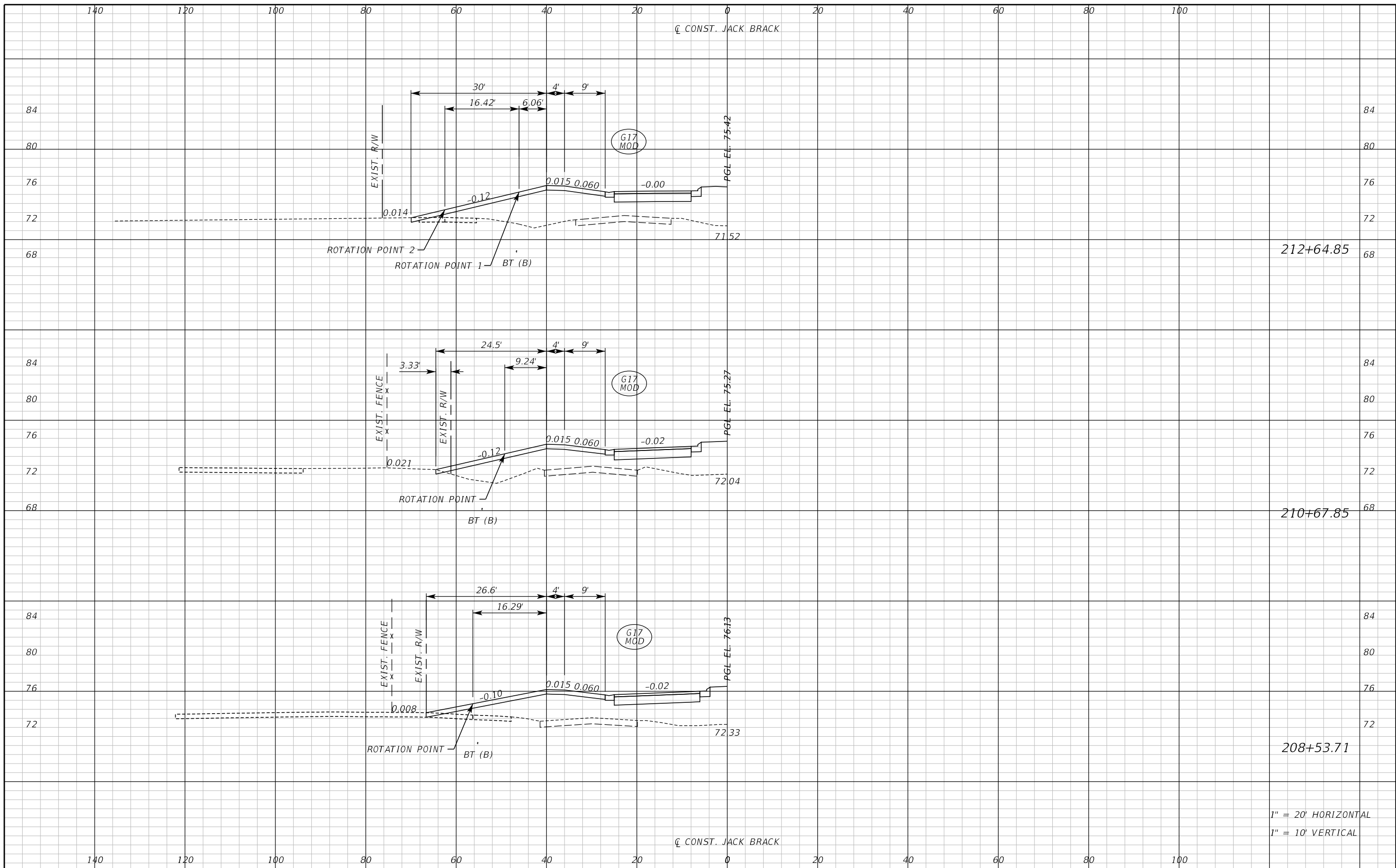


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1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

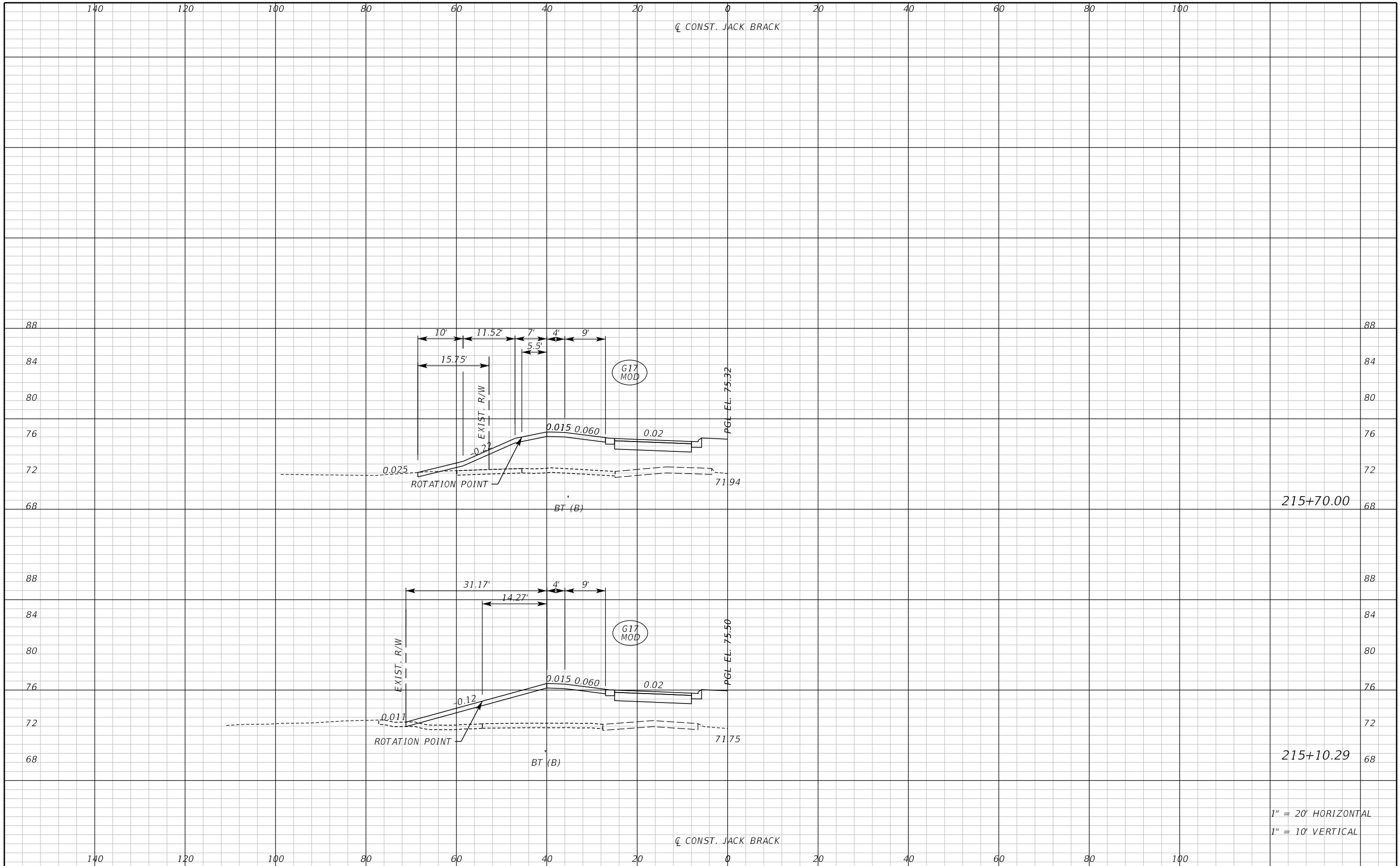
ENGINEER OF RECORD
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DRIVEWAY CROSS SECTIONS

SHEET NO.
350

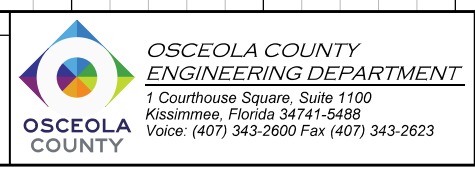
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REVISIONS		
DATE	BY	DESCRIPTION

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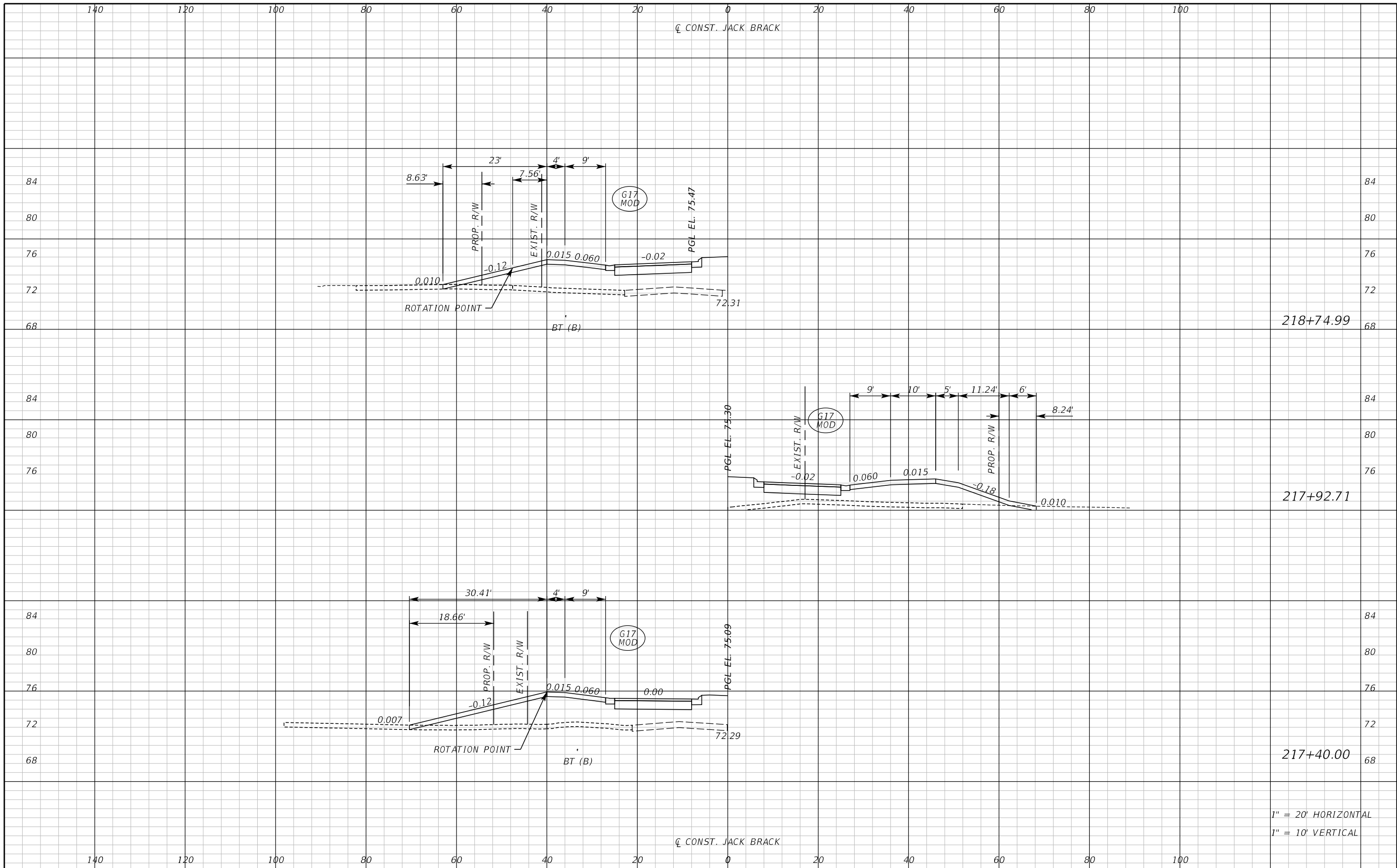
ENGINEER OF RECORD
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DRIVEWAY CROSS SECTIONS

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218+74.99

217+92.71

217+40.00

1" = 20' HORIZONTAL
1" = 10' VERTICAL

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DATE	BY	DESCRIPTION

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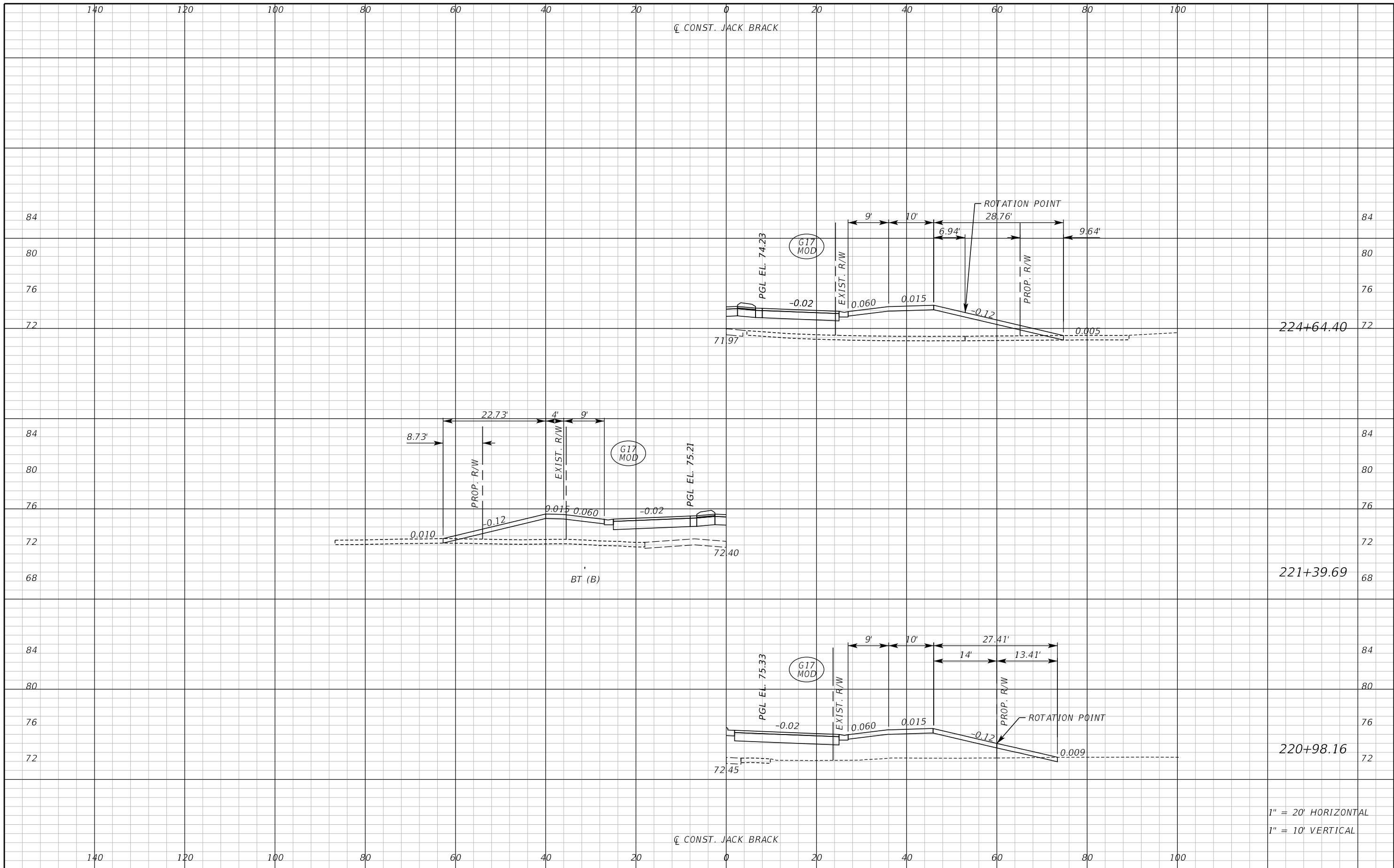


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REVISIONS		
DATE	BY	DESCRIPTION

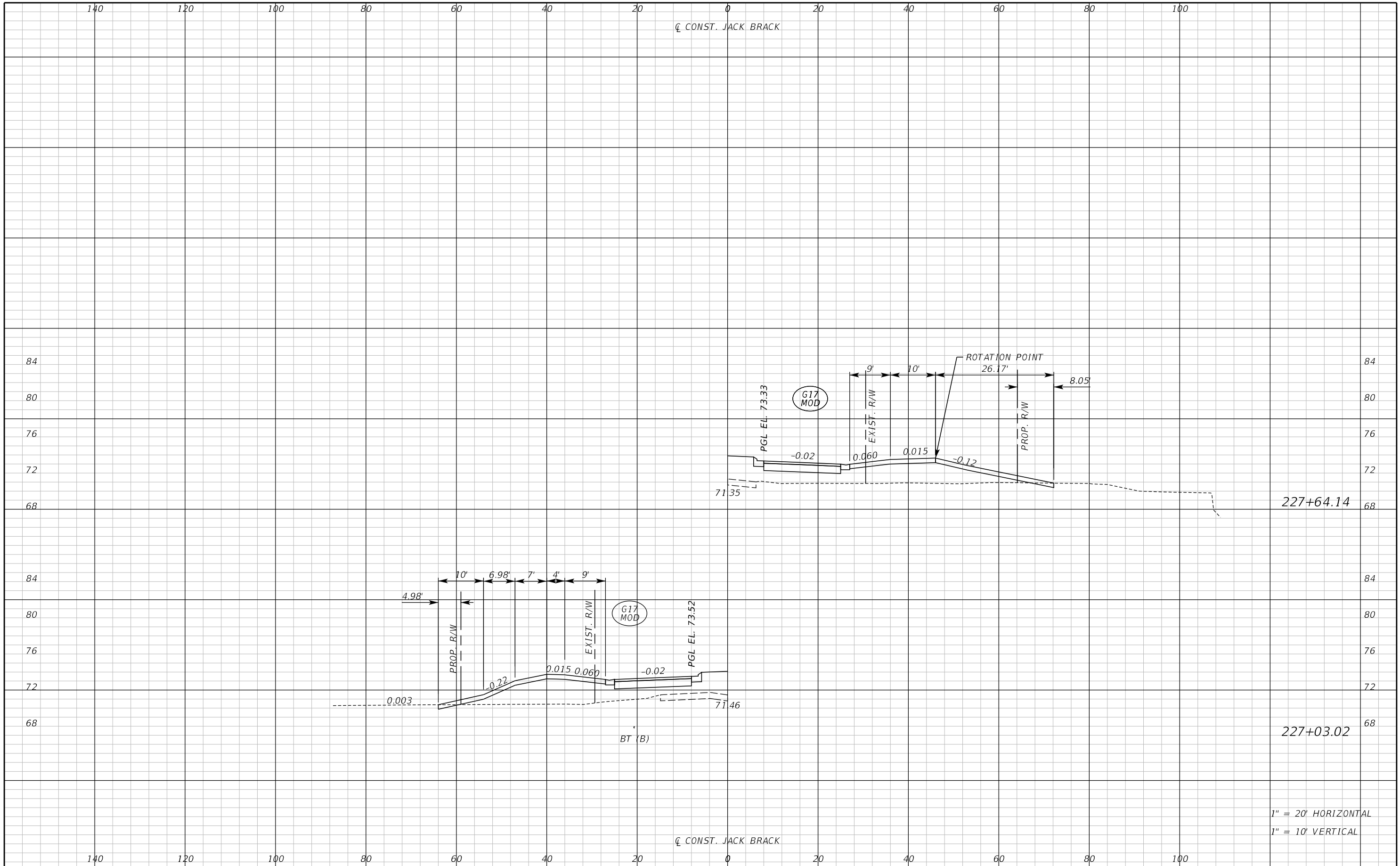
**JACK BRACK ROAD
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Oviedo, Florida 32765



DRIVEWAY CROSS SECTIONS

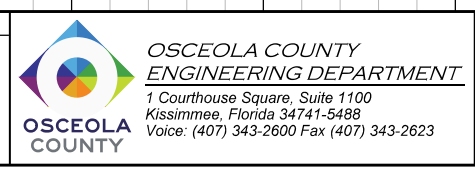
SHEET NO.
353



REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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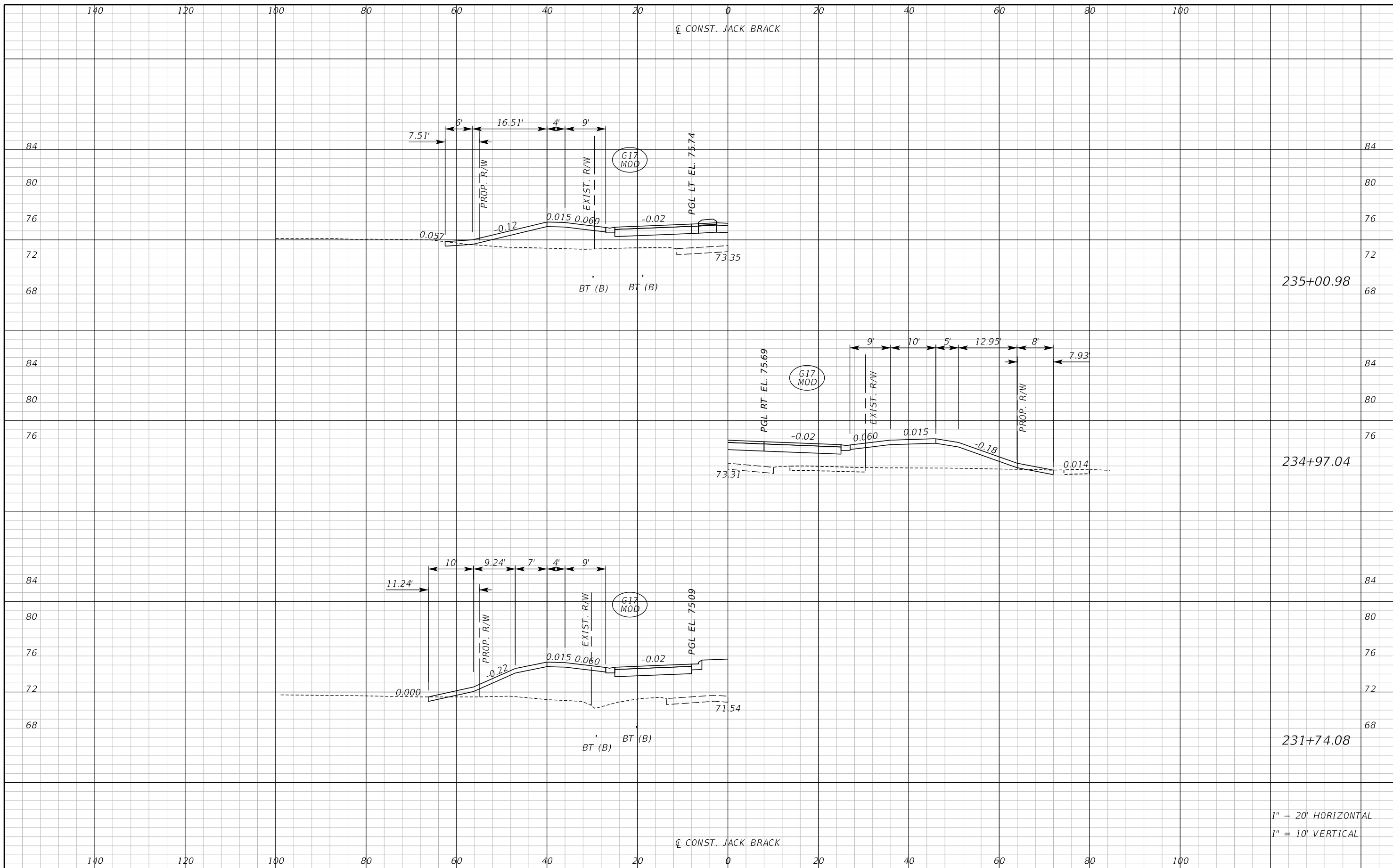


DRIVEWAY CROSS SECTIONS

SHEET NO.
354

1" = 20' HORIZONTAL
 1" = 10' VERTICAL

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REVISIONS		
DATE	BY	DESCRIPTION

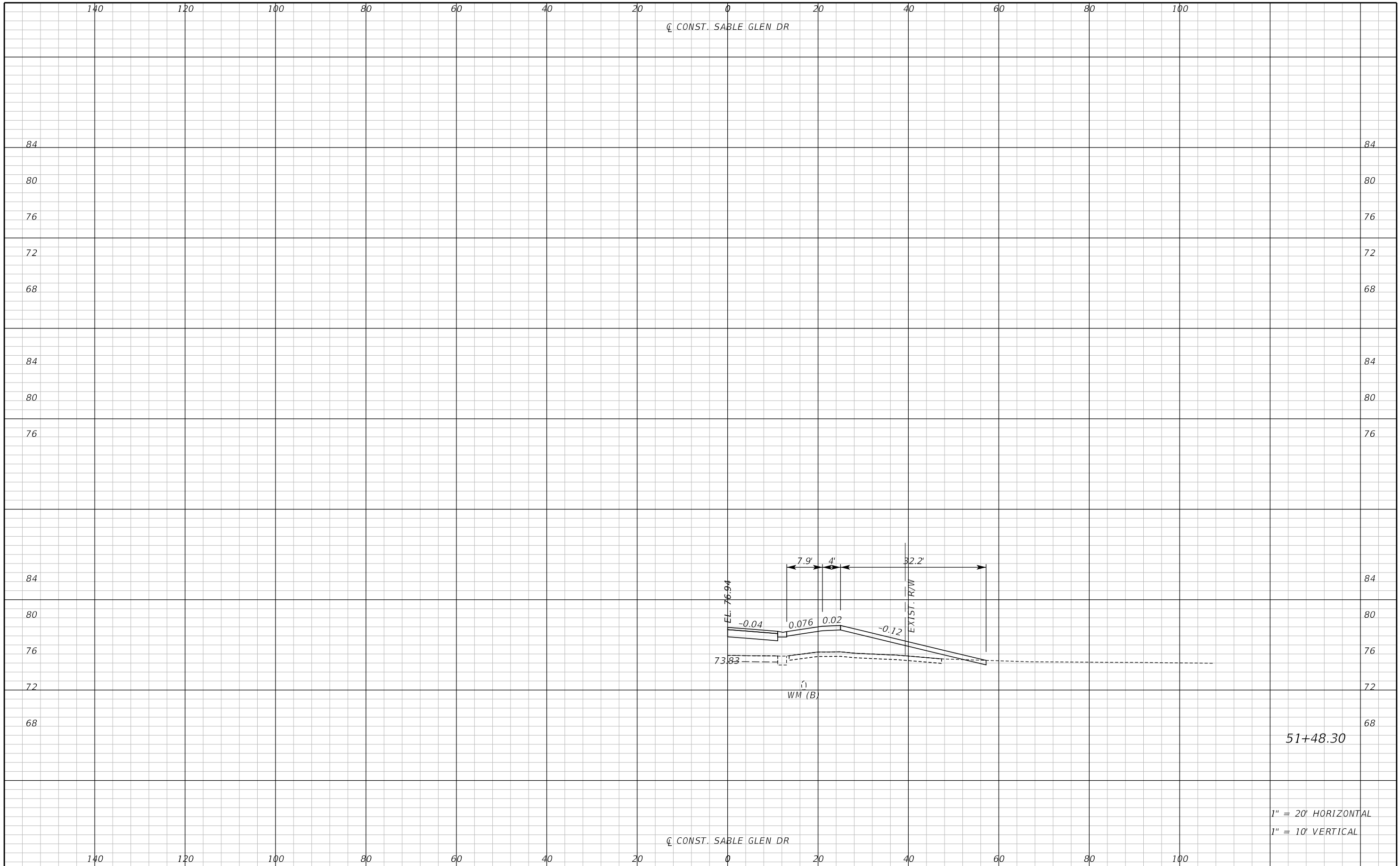
**JACK BRACK ROAD
WIDENING**

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DRIVEWAY CROSS SECTIONS

SHEET NO.
355



51+48.30

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

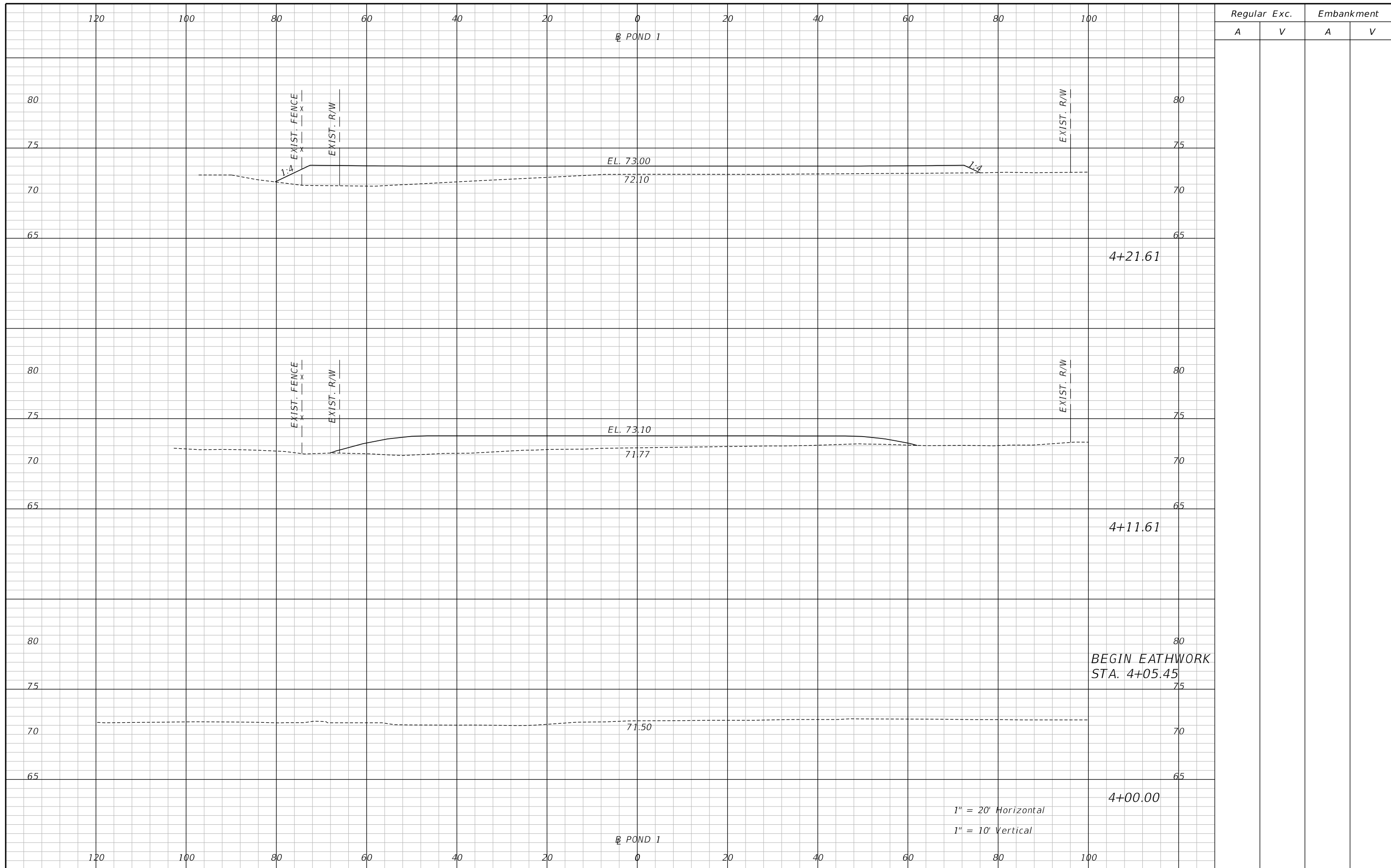
ENGINEER OF RECORD
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PE No. 71527
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Oviedo, Florida 32765

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**DRIVEWAY CROSS SECTIONS
SABEL GLEN DRIVE**

SHEET NO.
356

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

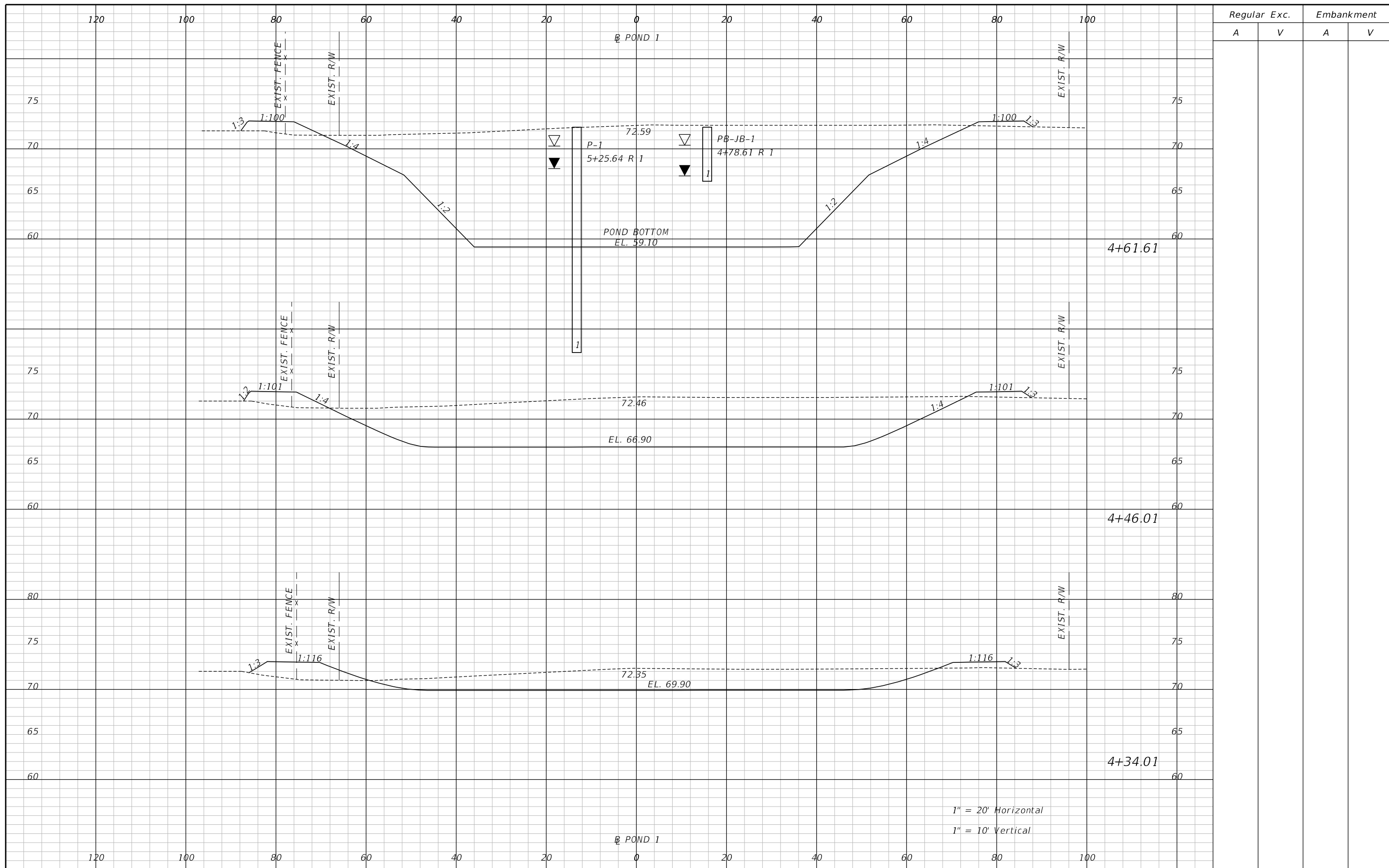
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



POND 1 CROSS SECTIONS

SHEET NO.
357

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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

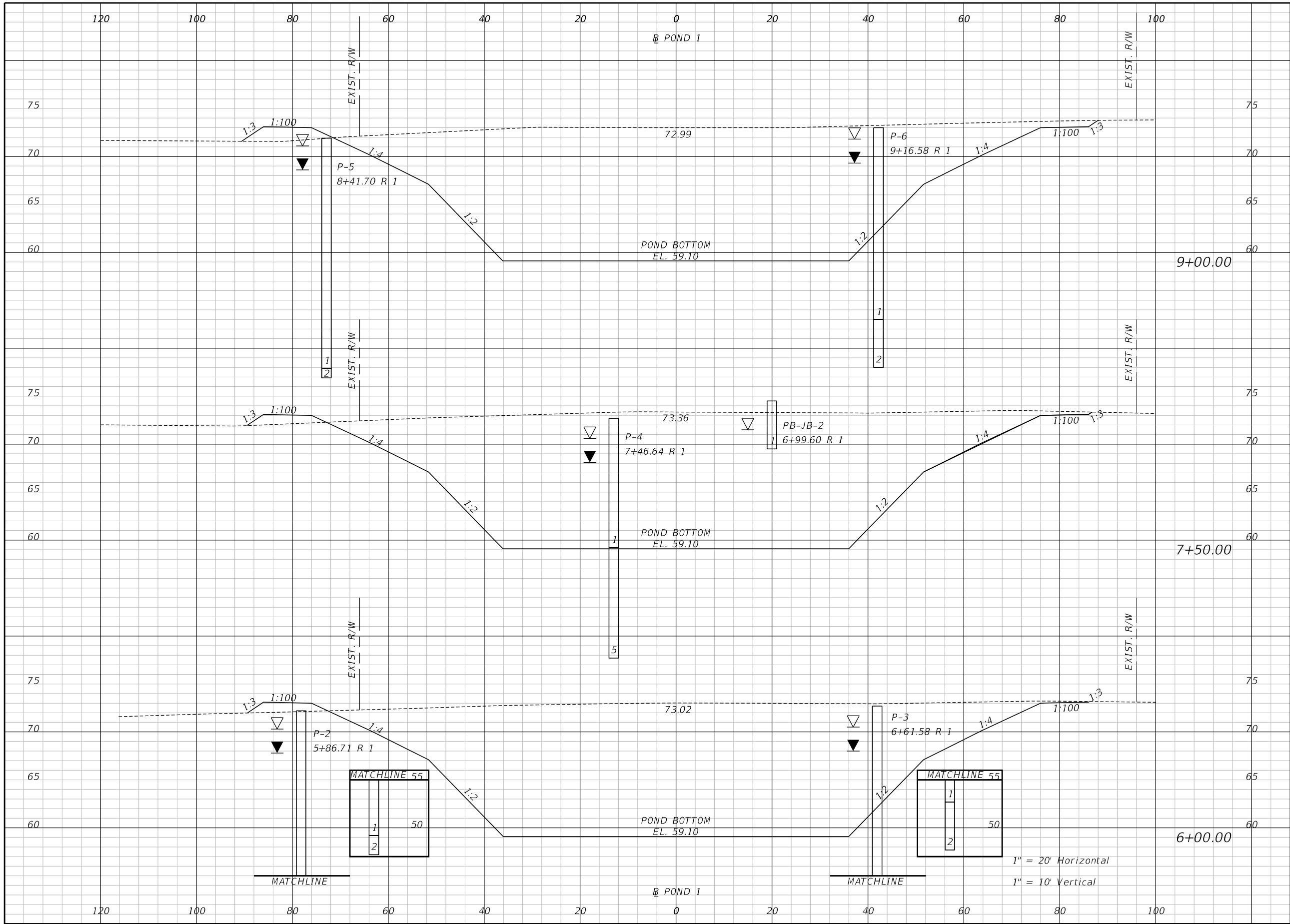


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POND 1 CROSS SECTIONS

SHEET
NO.
358

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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

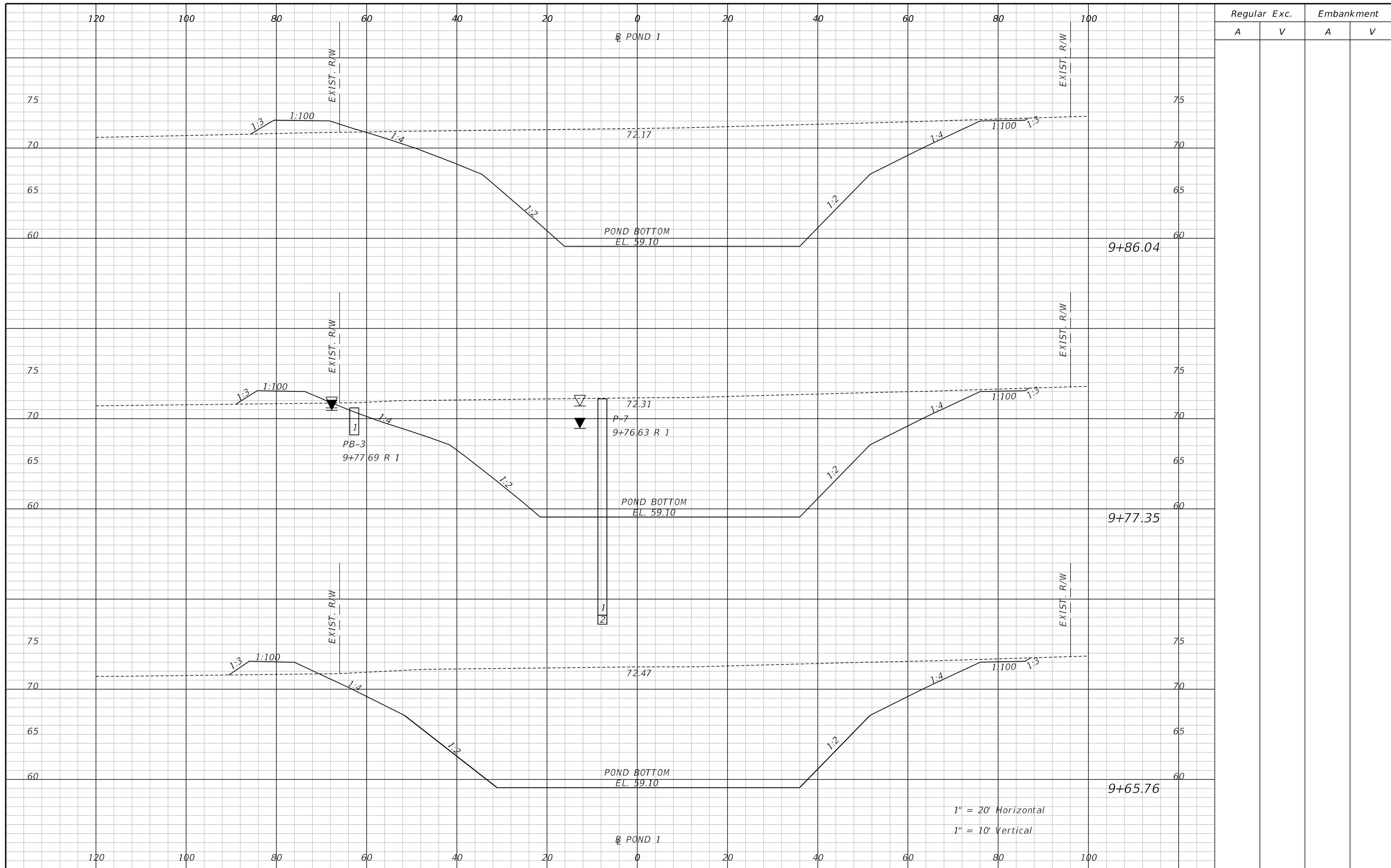
ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

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POND 1 CROSS SECTIONS

SHEET
NO.
359

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Zachary K. Evans, PE
PE No. 80498
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3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

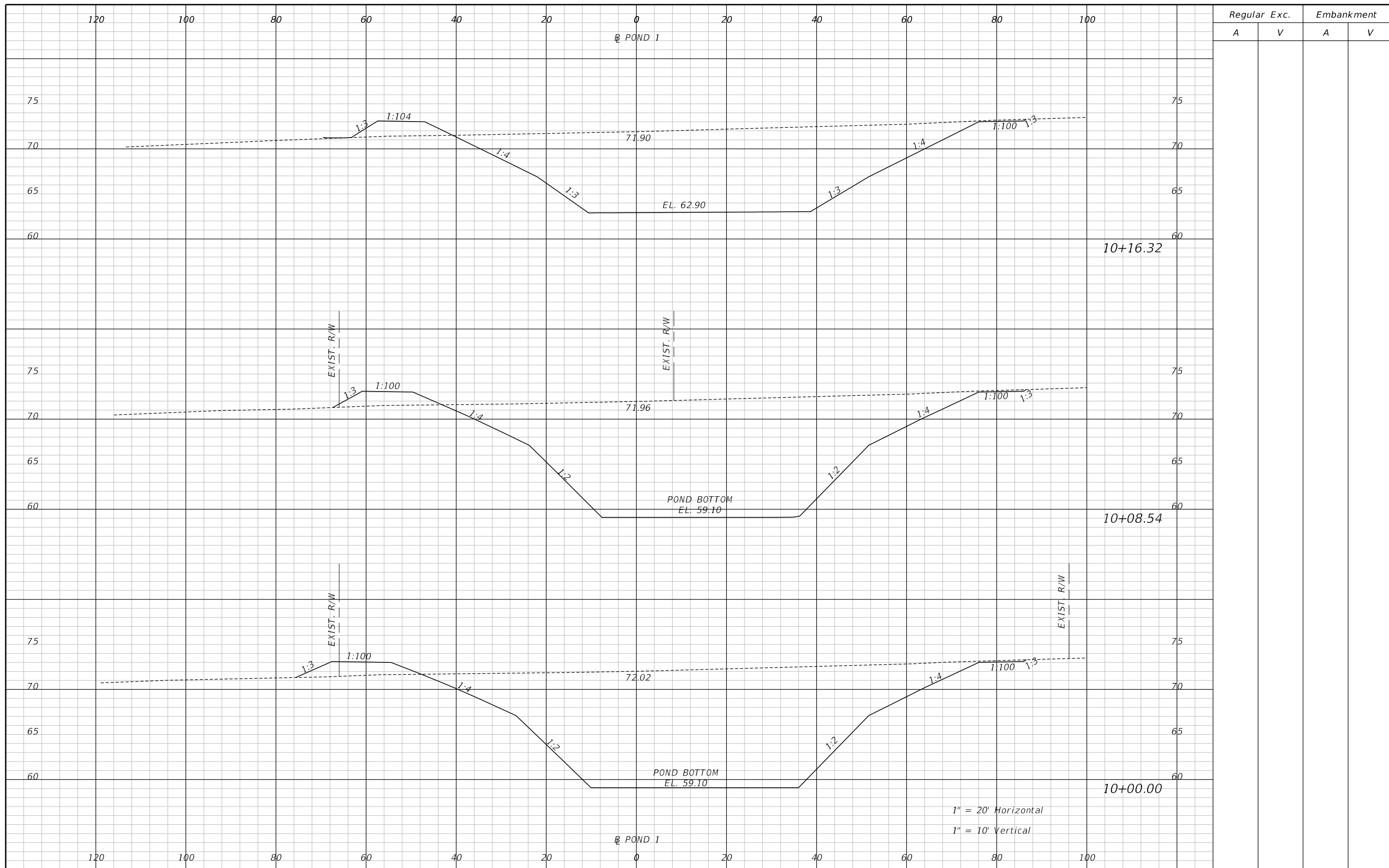


POND 1 CROSS SECTIONS

SHEET NO.
360

Regular		Exc.		Embankment	
A	V	A	V	A	V

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

Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

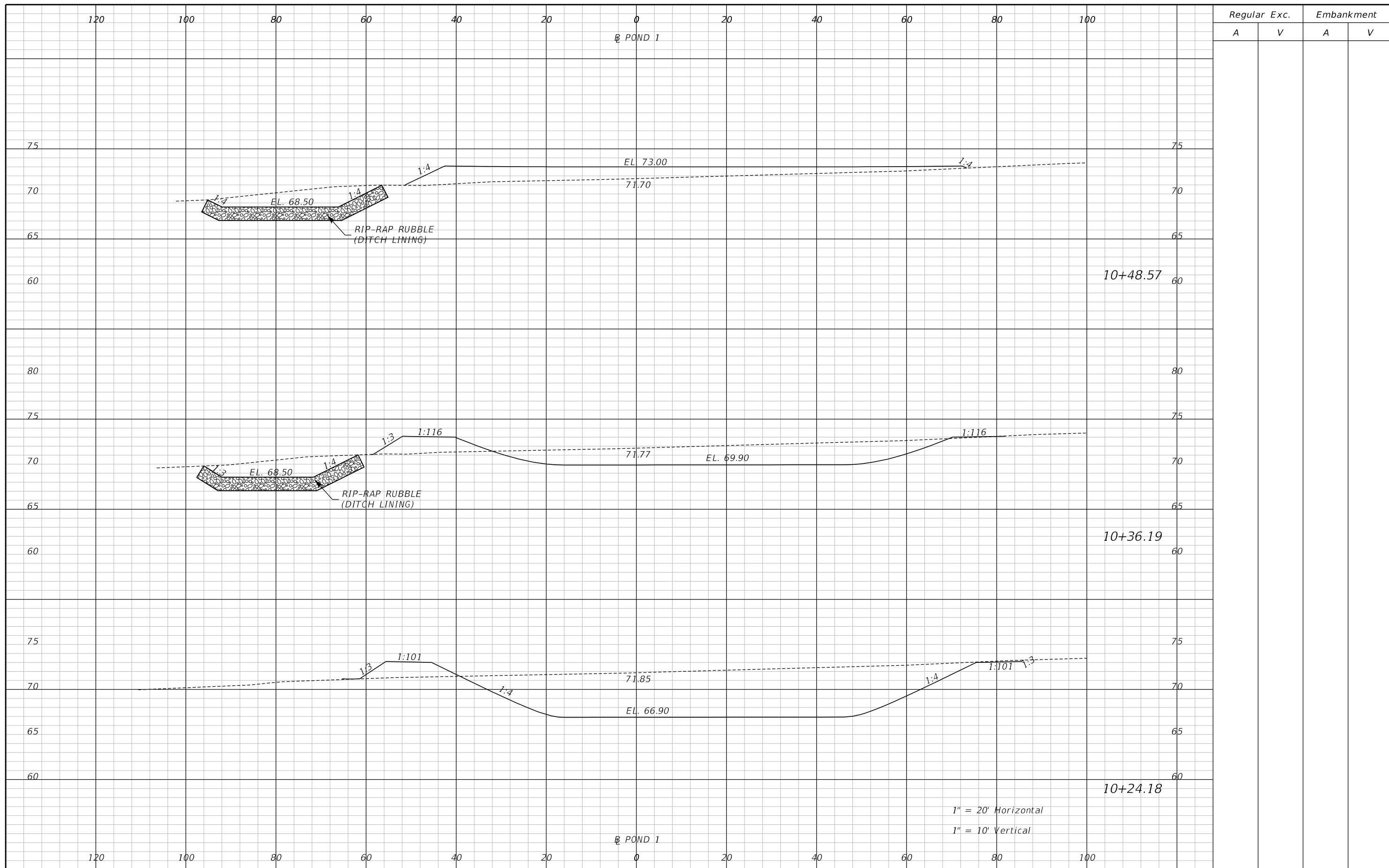
ENGINEER OF RECORD
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PE No. 80498
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POND 1 CROSS SECTIONS

SHEET NO.
361

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

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

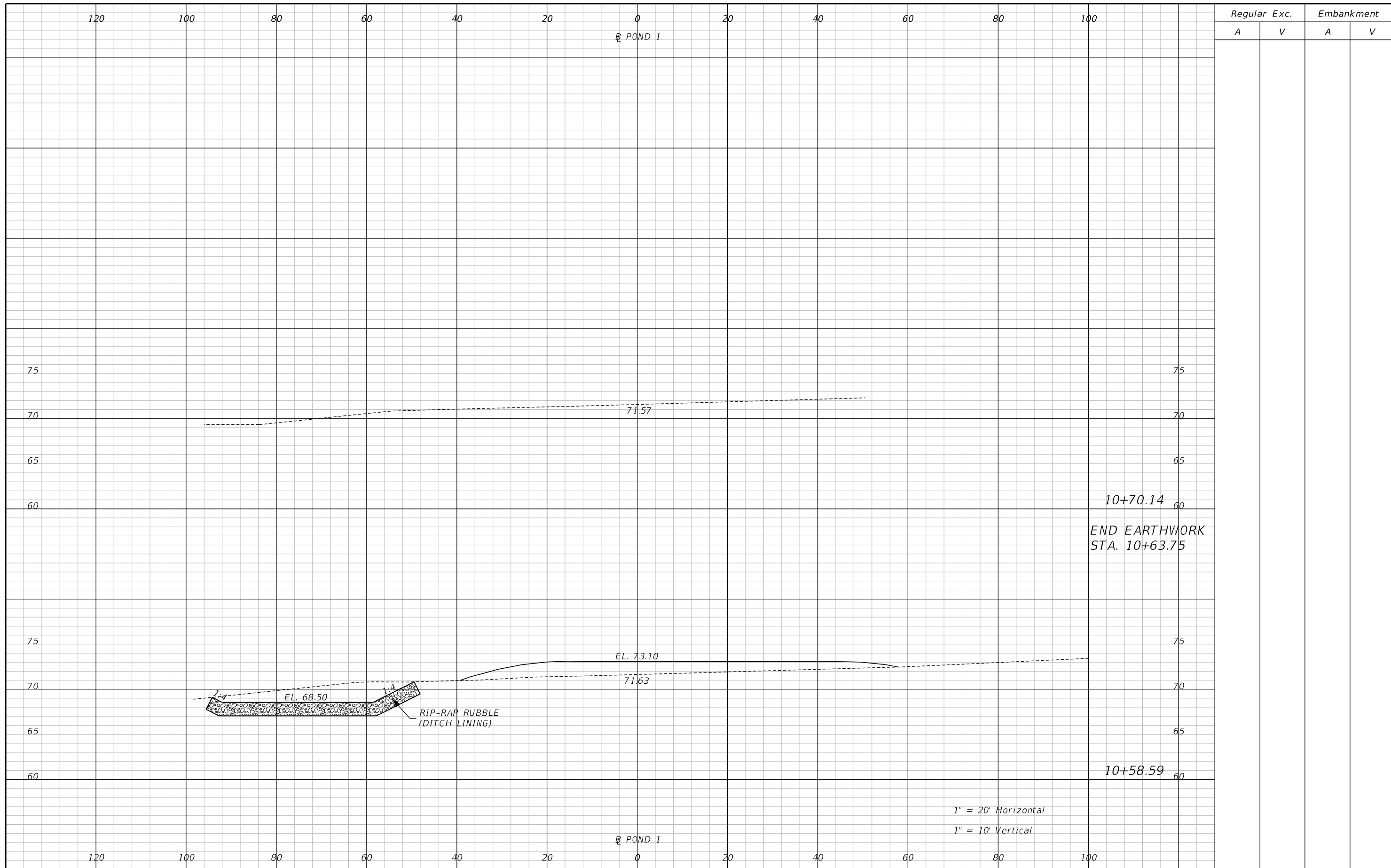
ENGINEER OF RECORD
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POND 1 CROSS SECTIONS

SHEET NO.
362

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

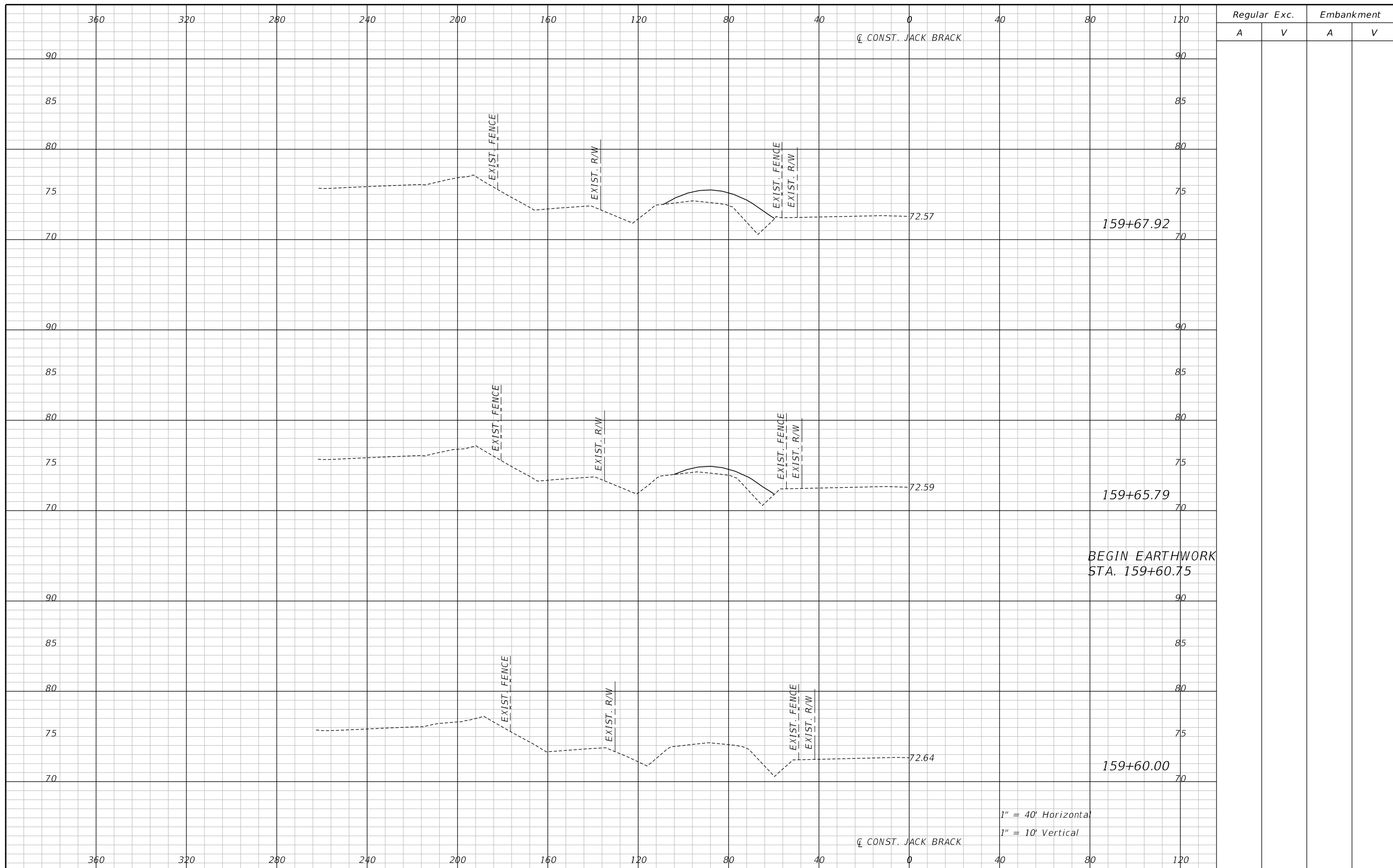
ENGINEER OF RECORD
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PE No. 80498
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POND 1 CROSS SECTIONS

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363

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REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

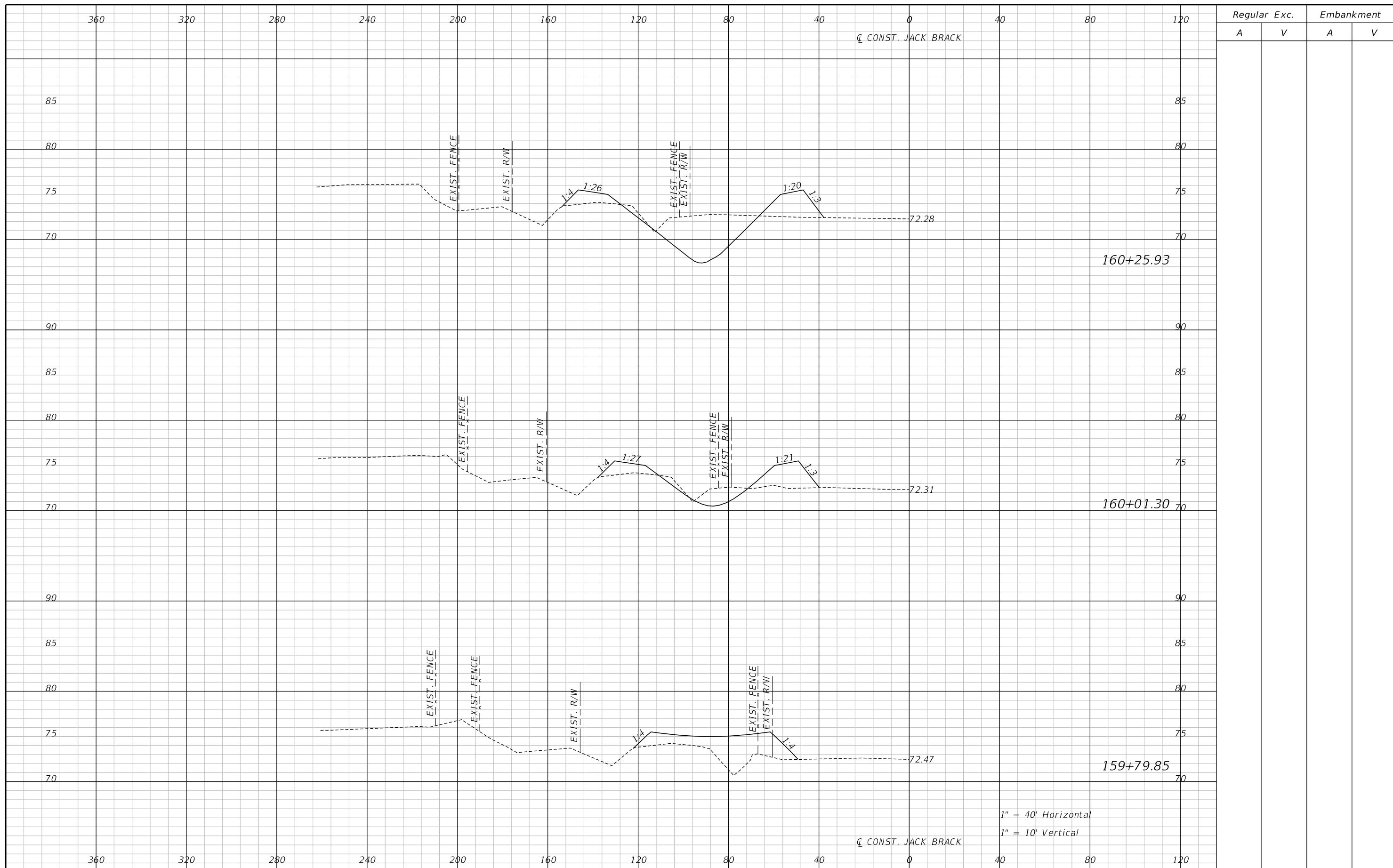
ENGINEER OF RECORD
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765

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POND 2 CROSS SECTIONS

SHEET
NO.
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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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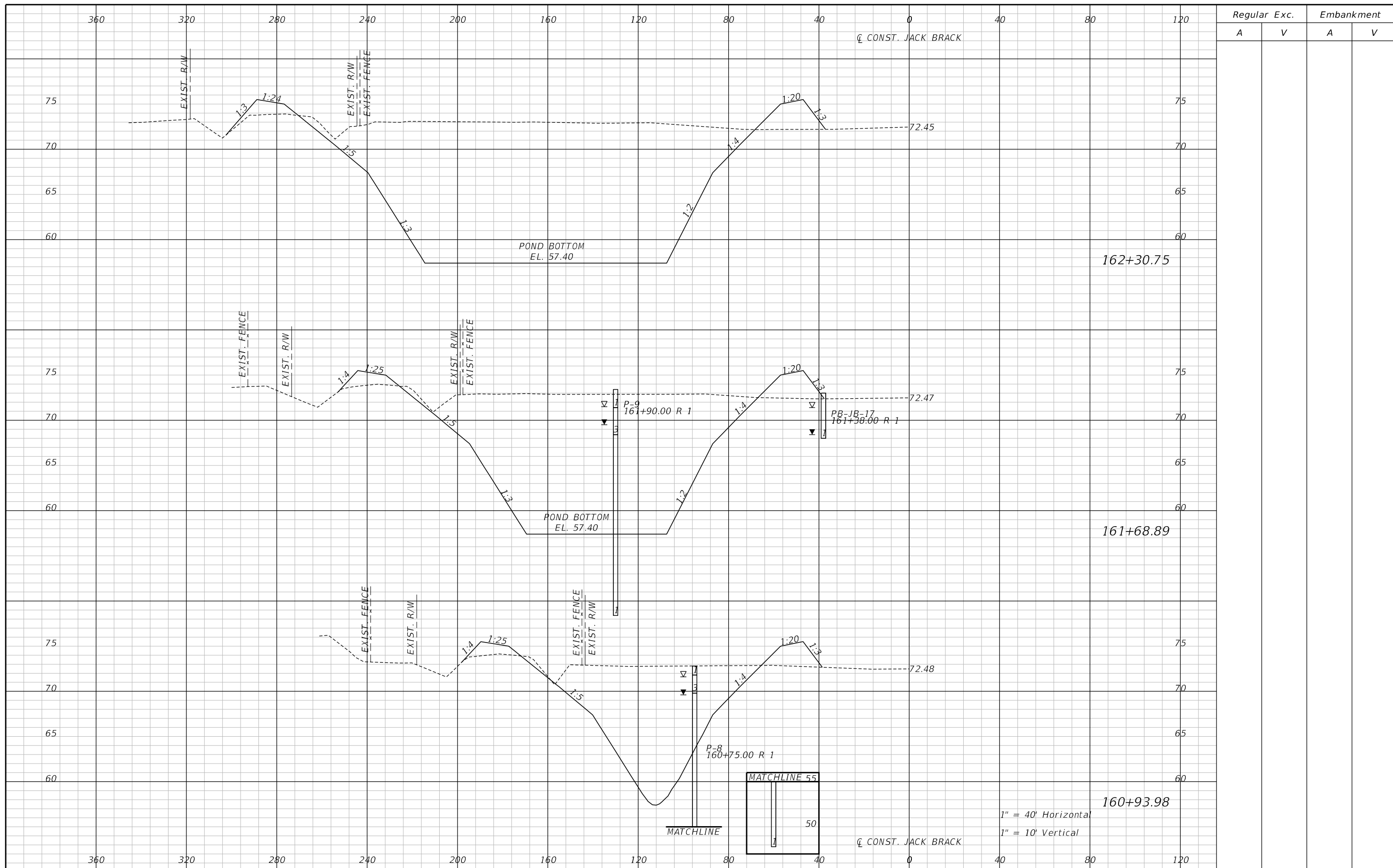
ENGINEER OF RECORD
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POND 2 CROSS SECTIONS

SHEET NO.
365

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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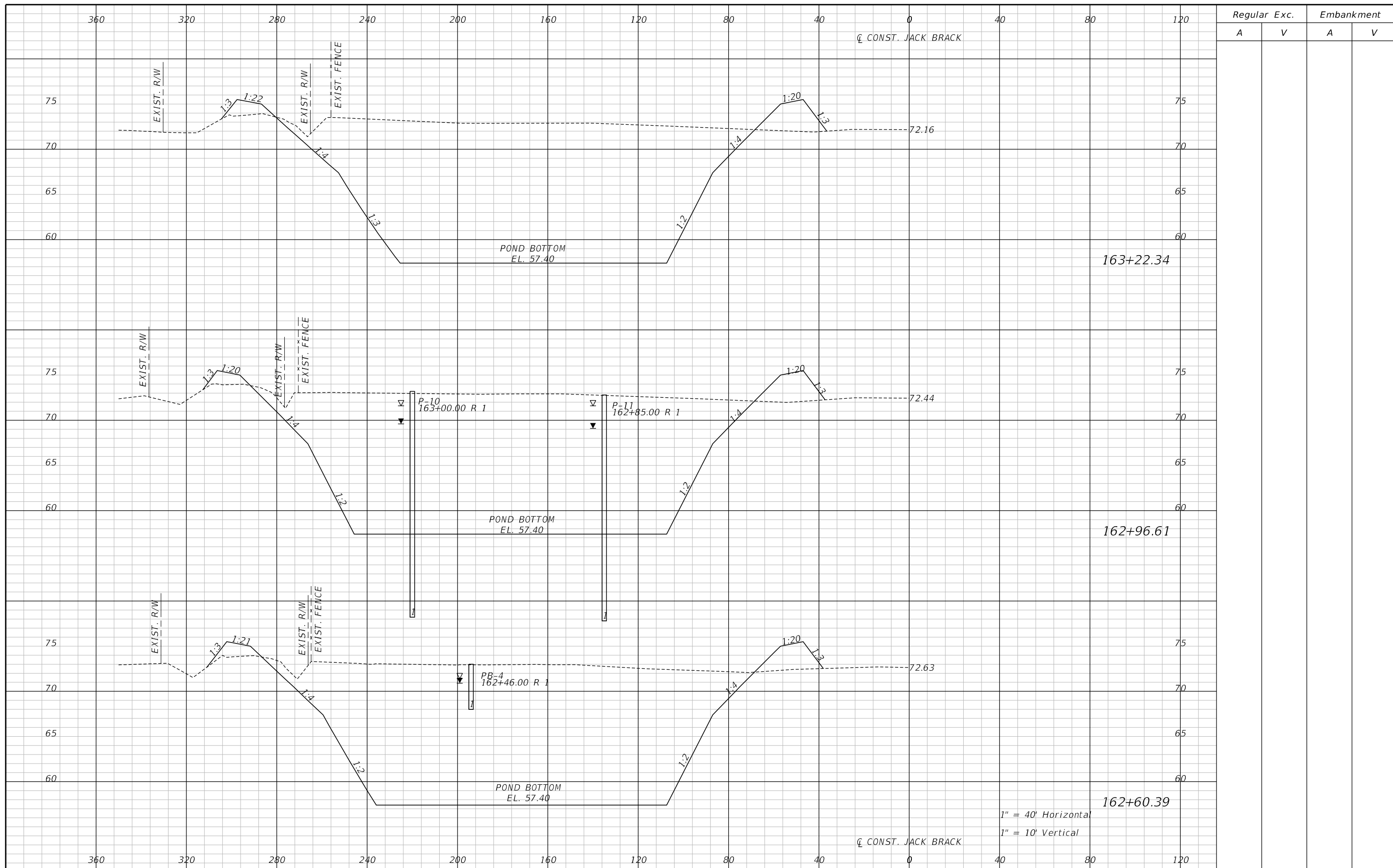
ENGINEER OF RECORD
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POND 2 CROSS SECTIONS

SHEET
NO.
366

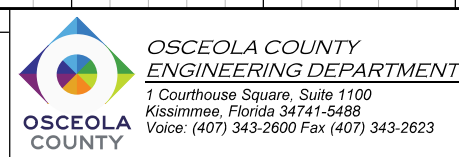
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REVISIONS		
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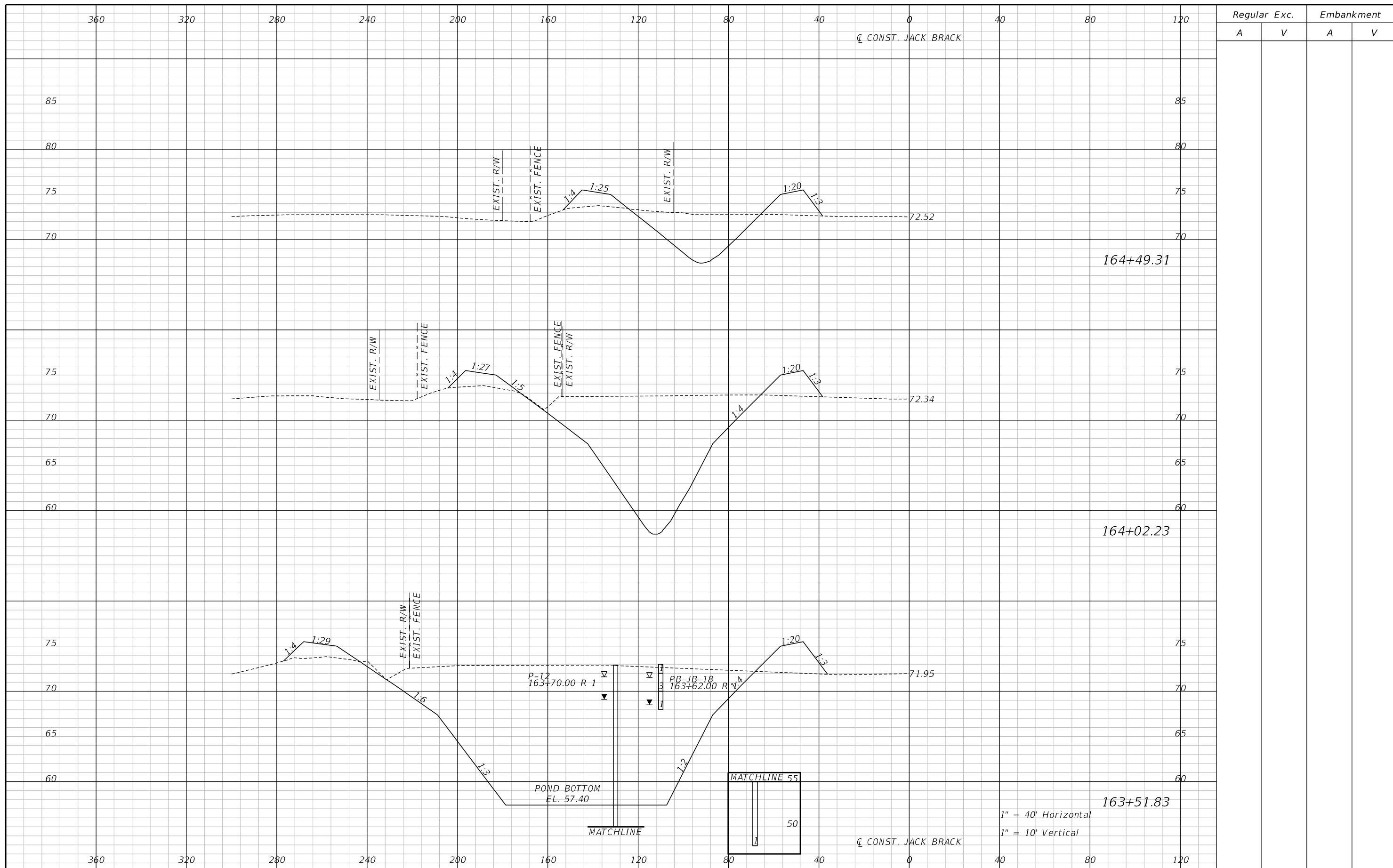
ENGINEER OF RECORD
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POND 2 CROSS SECTIONS

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367

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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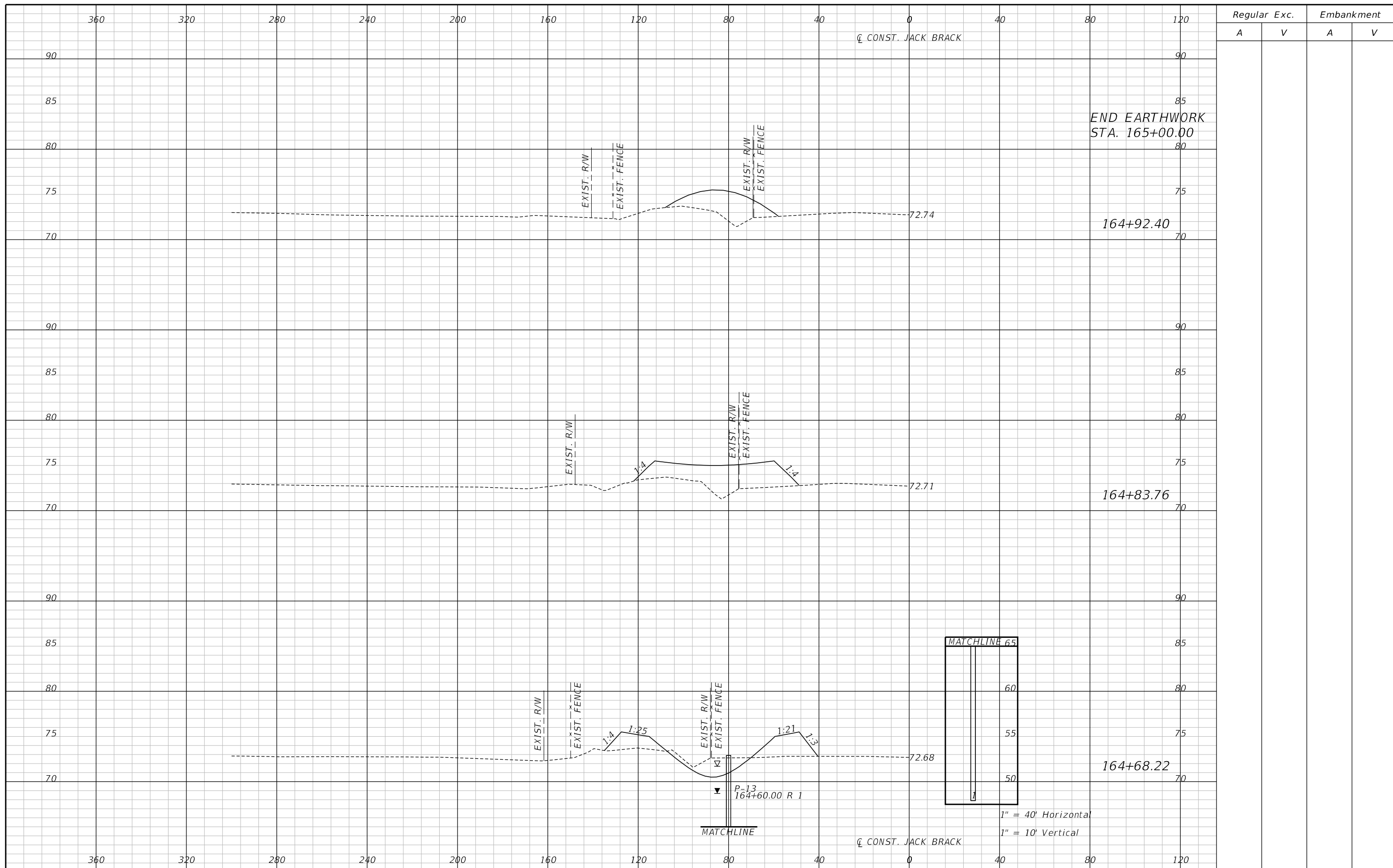
ENGINEER OF RECORD
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Oviedo, Florida 32765

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POND 2 CROSS SECTIONS

SHEET
NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

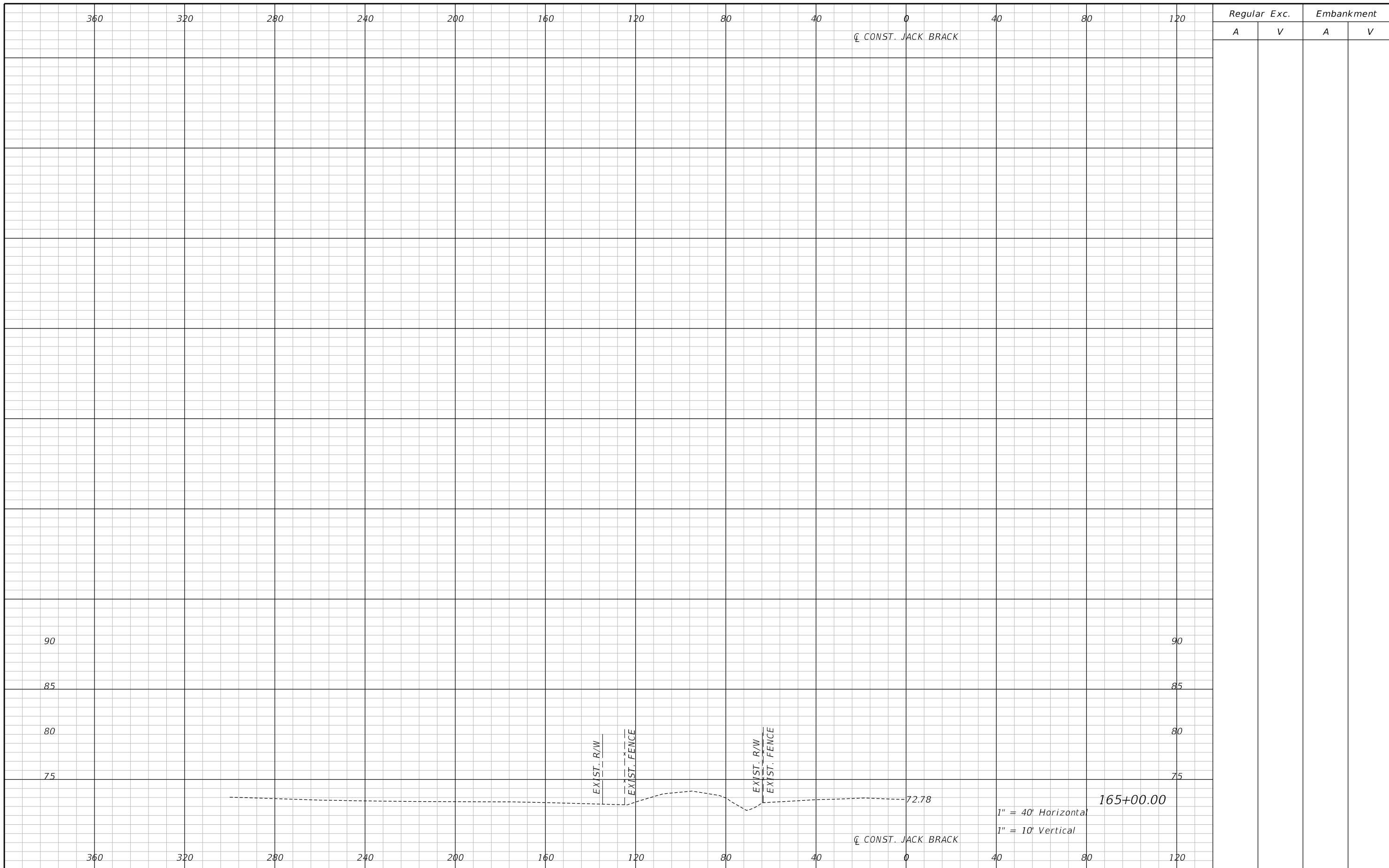
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NO.
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**JACK BRACK ROAD
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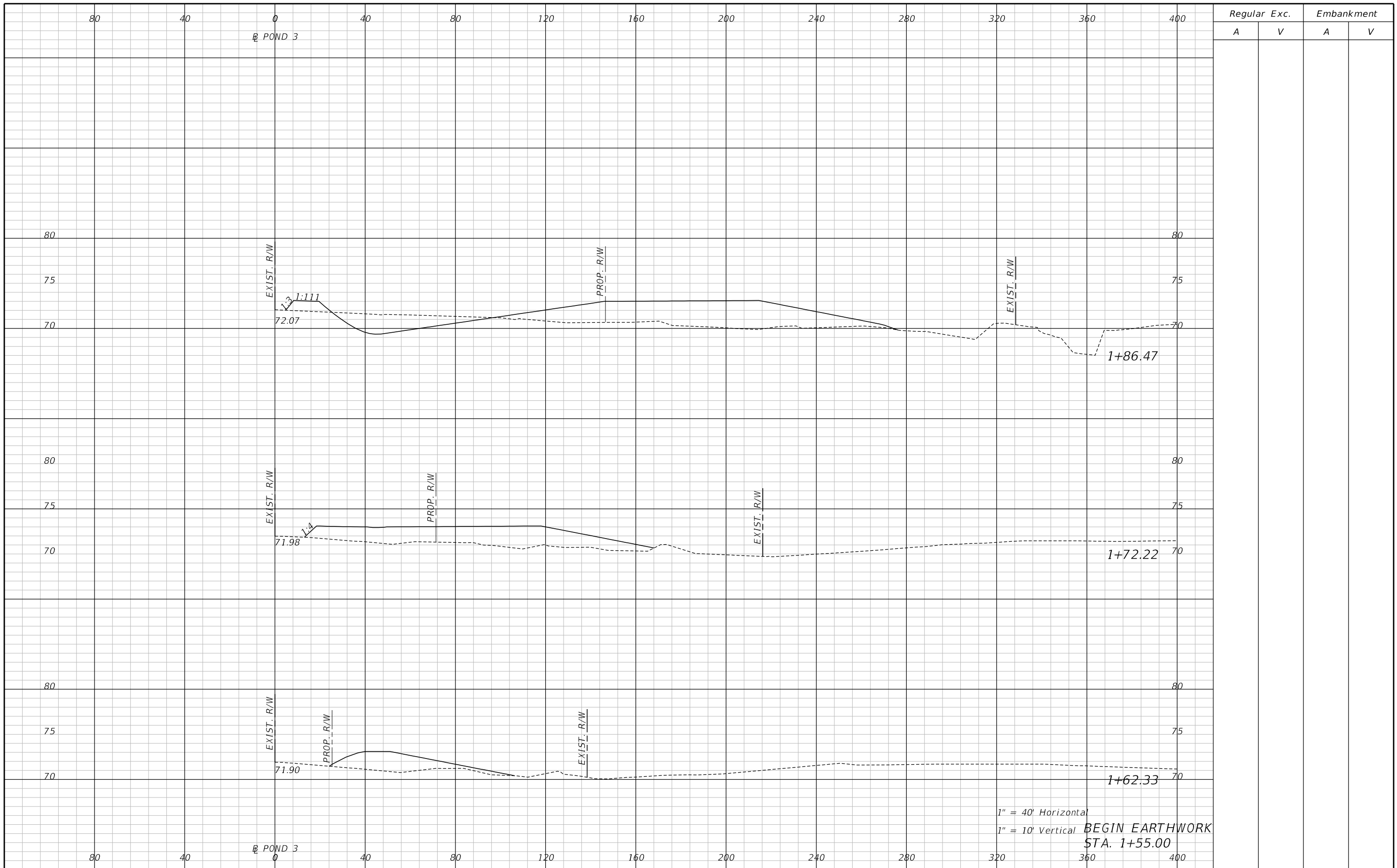
ENGINEER OF RECORD
 Zachary K. Evans, PE
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POND 2 CROSS SECTIONS

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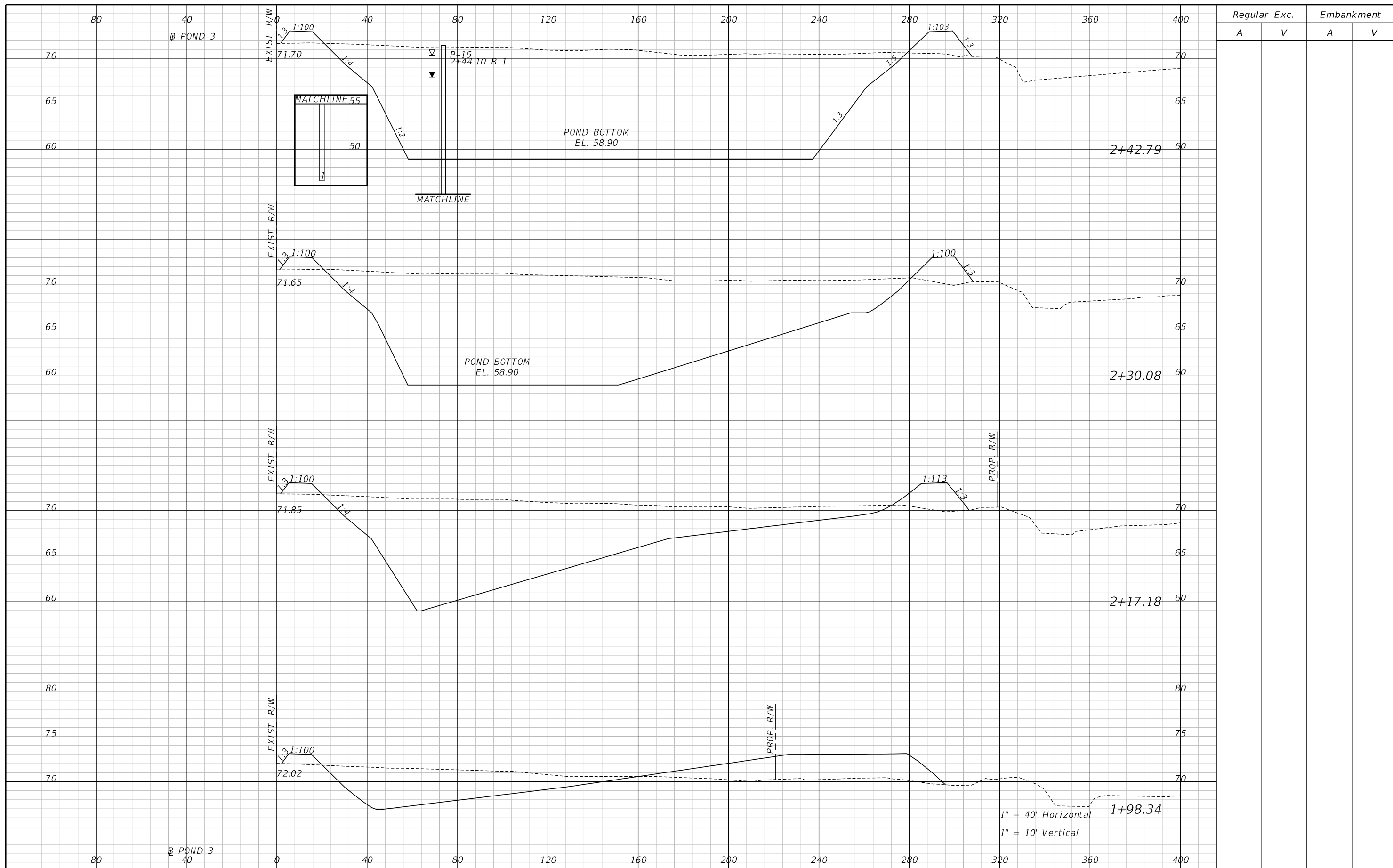
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POND 3 CROSS SECTIONS

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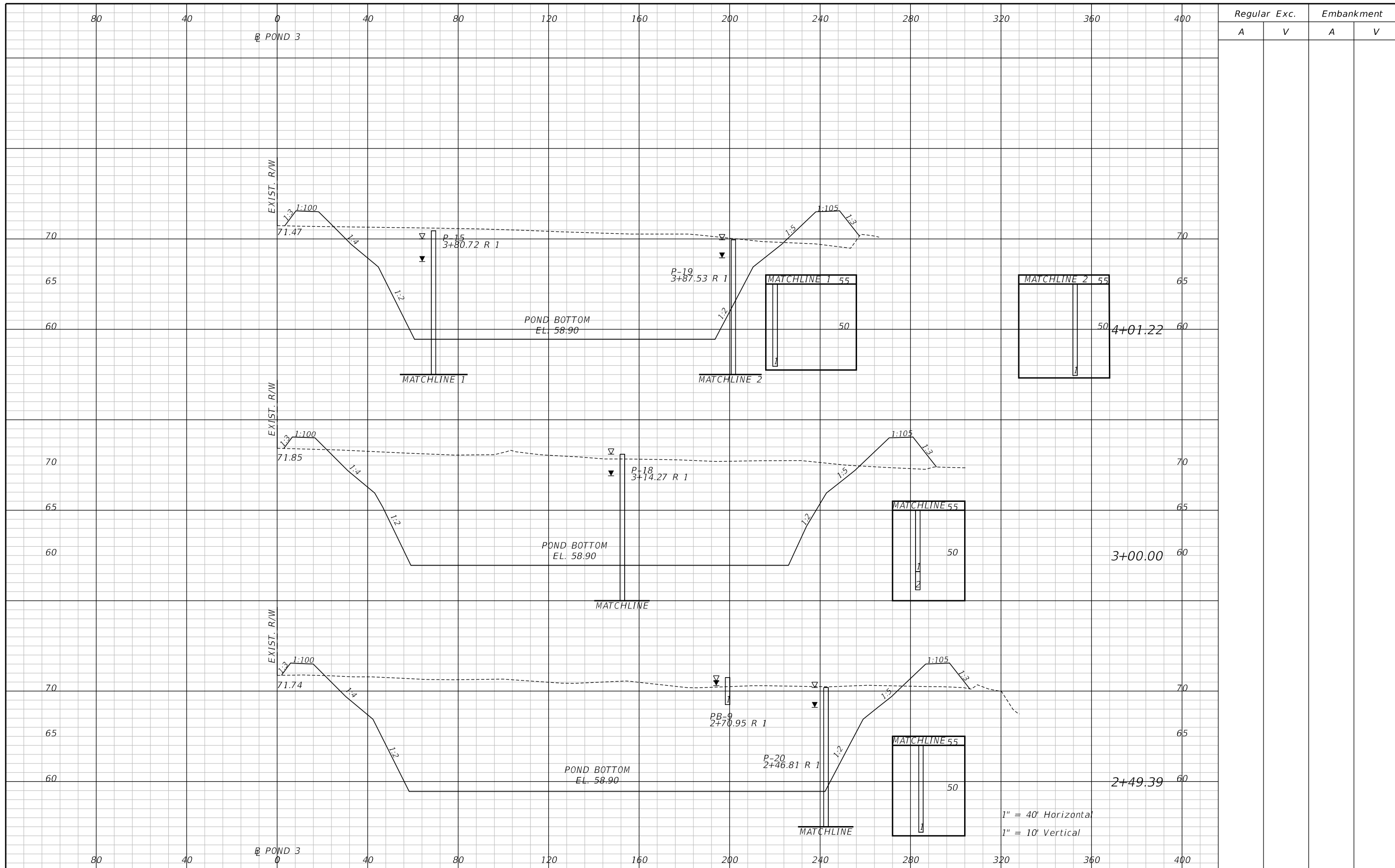
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**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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POND 3 CROSS SECTIONS

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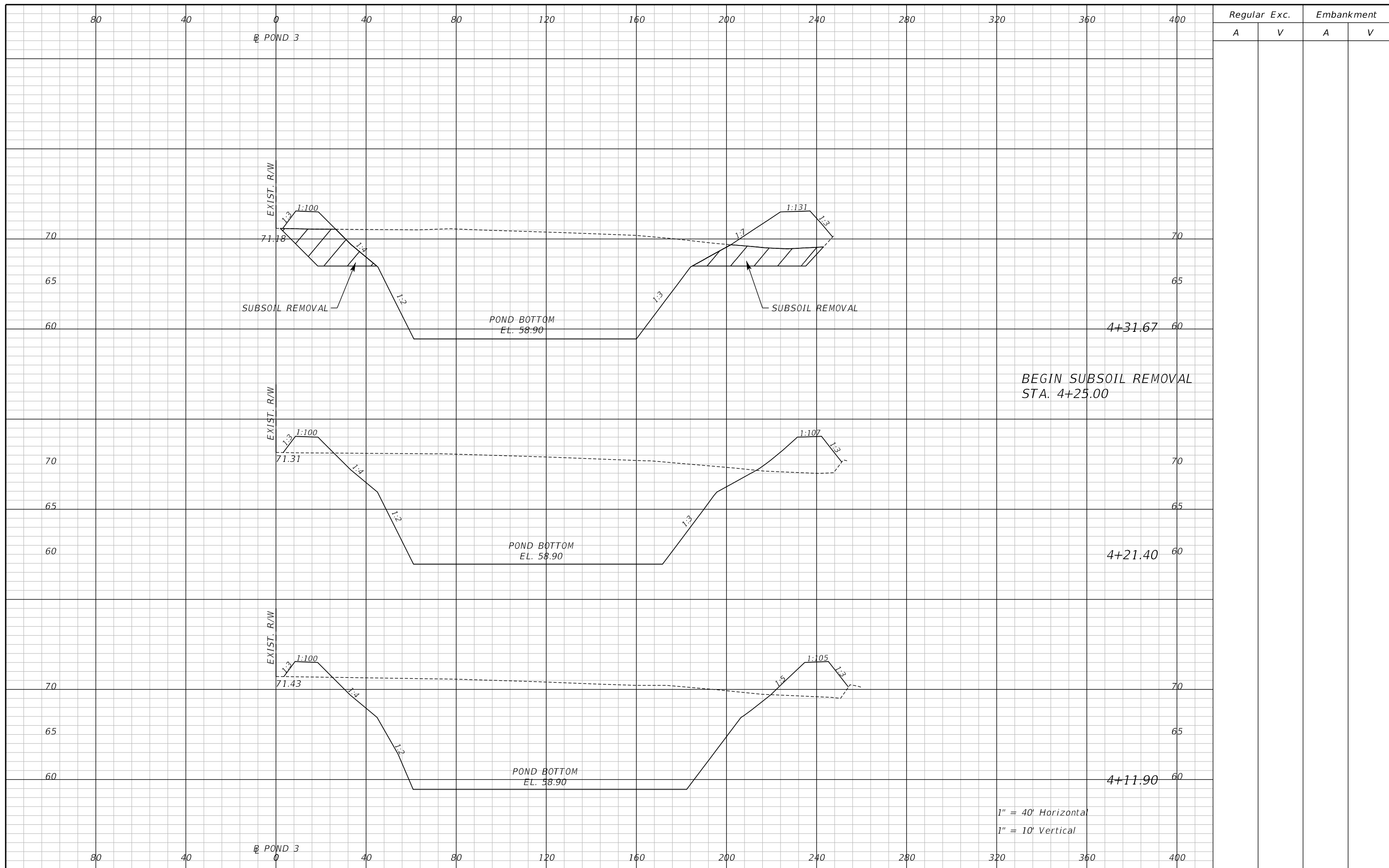
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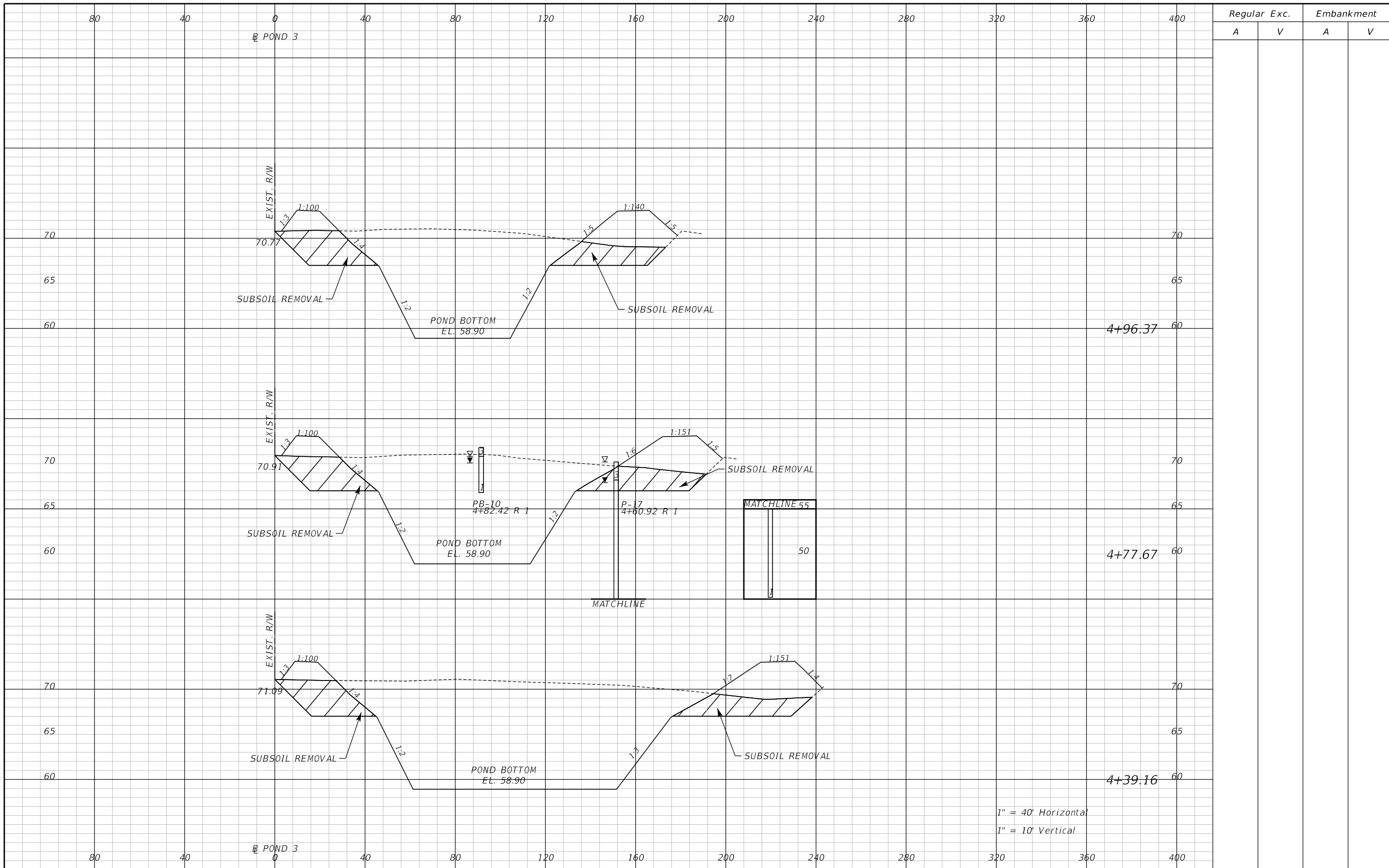
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4+96.37

4+77.67

4+39.16

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

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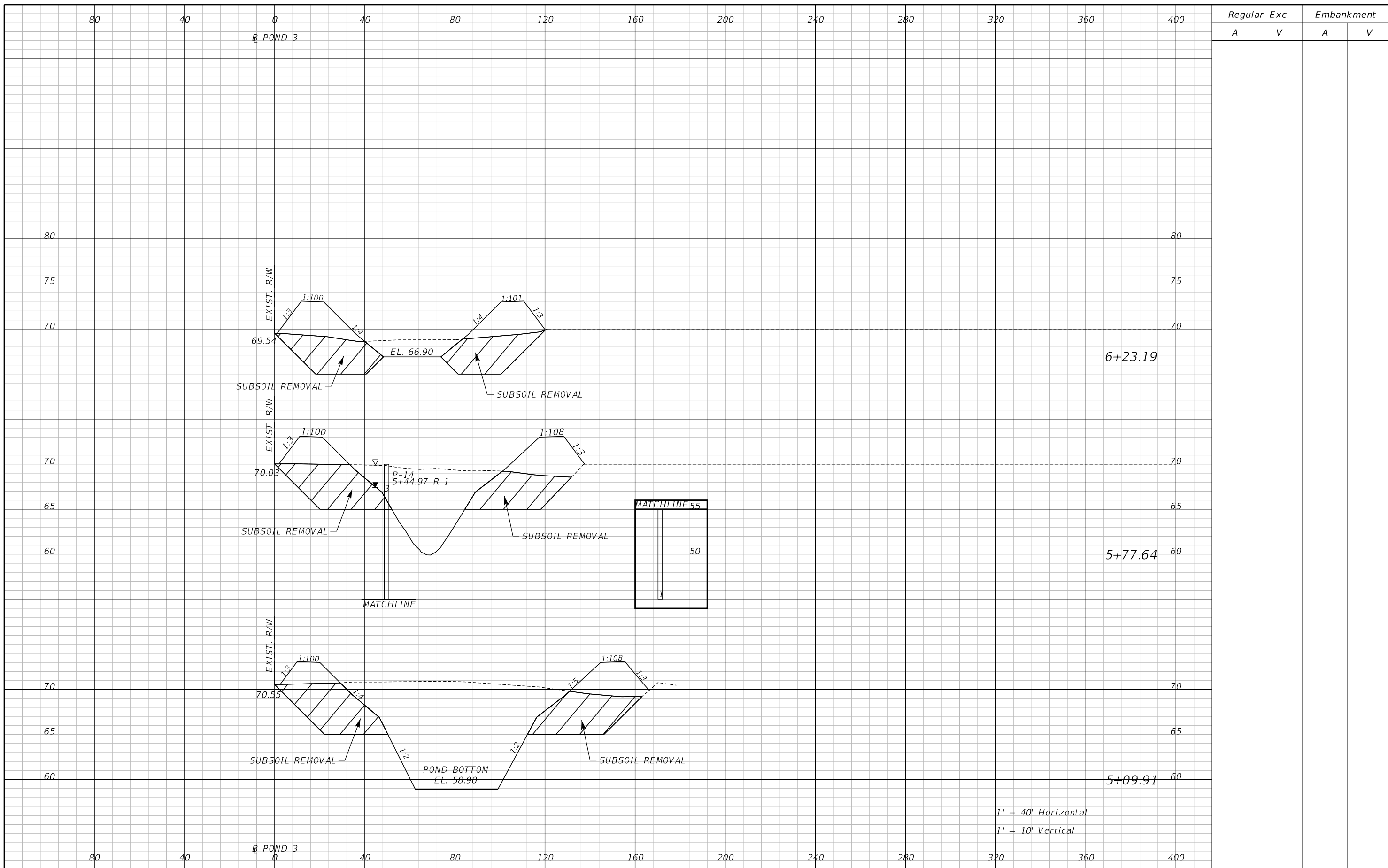
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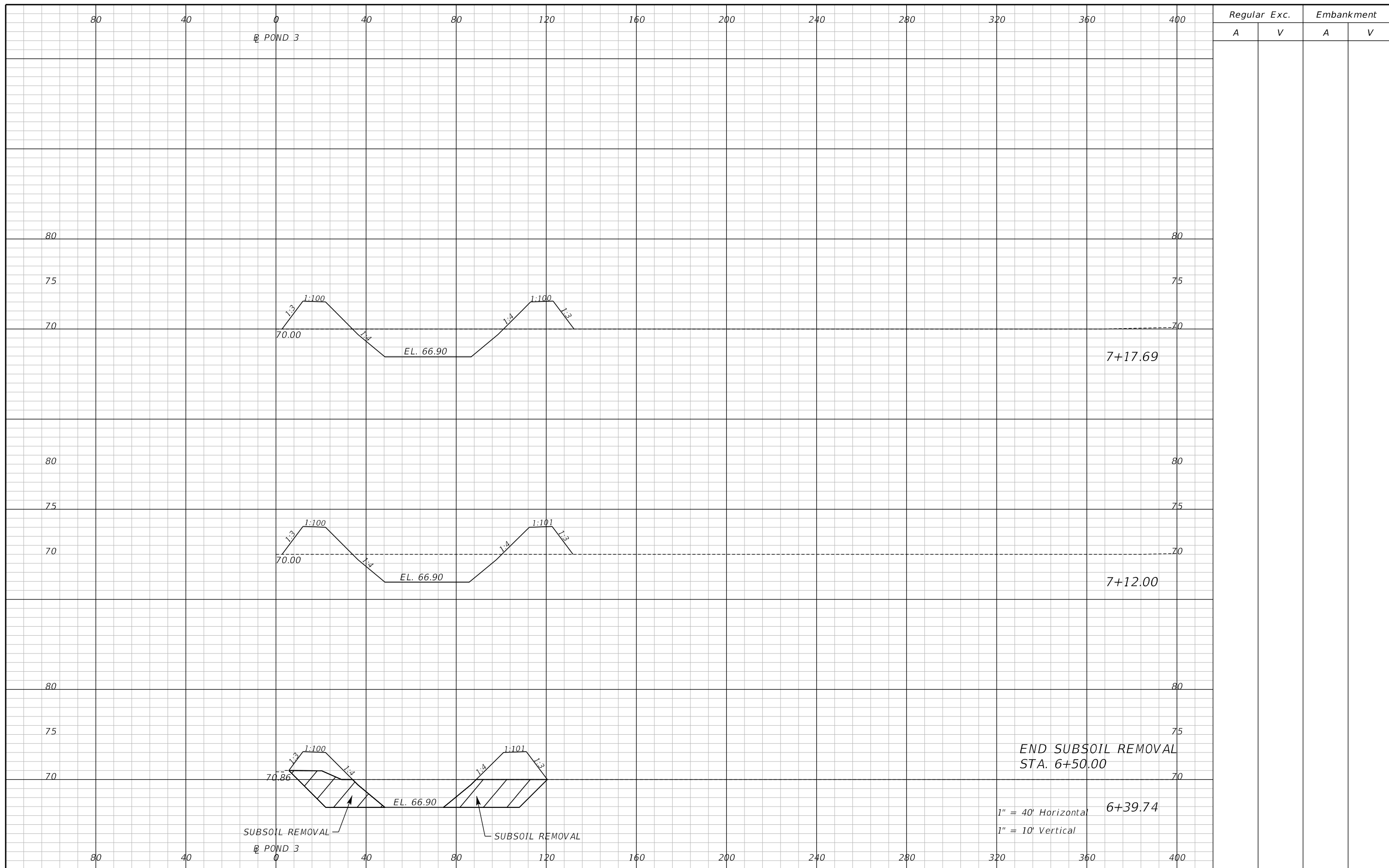
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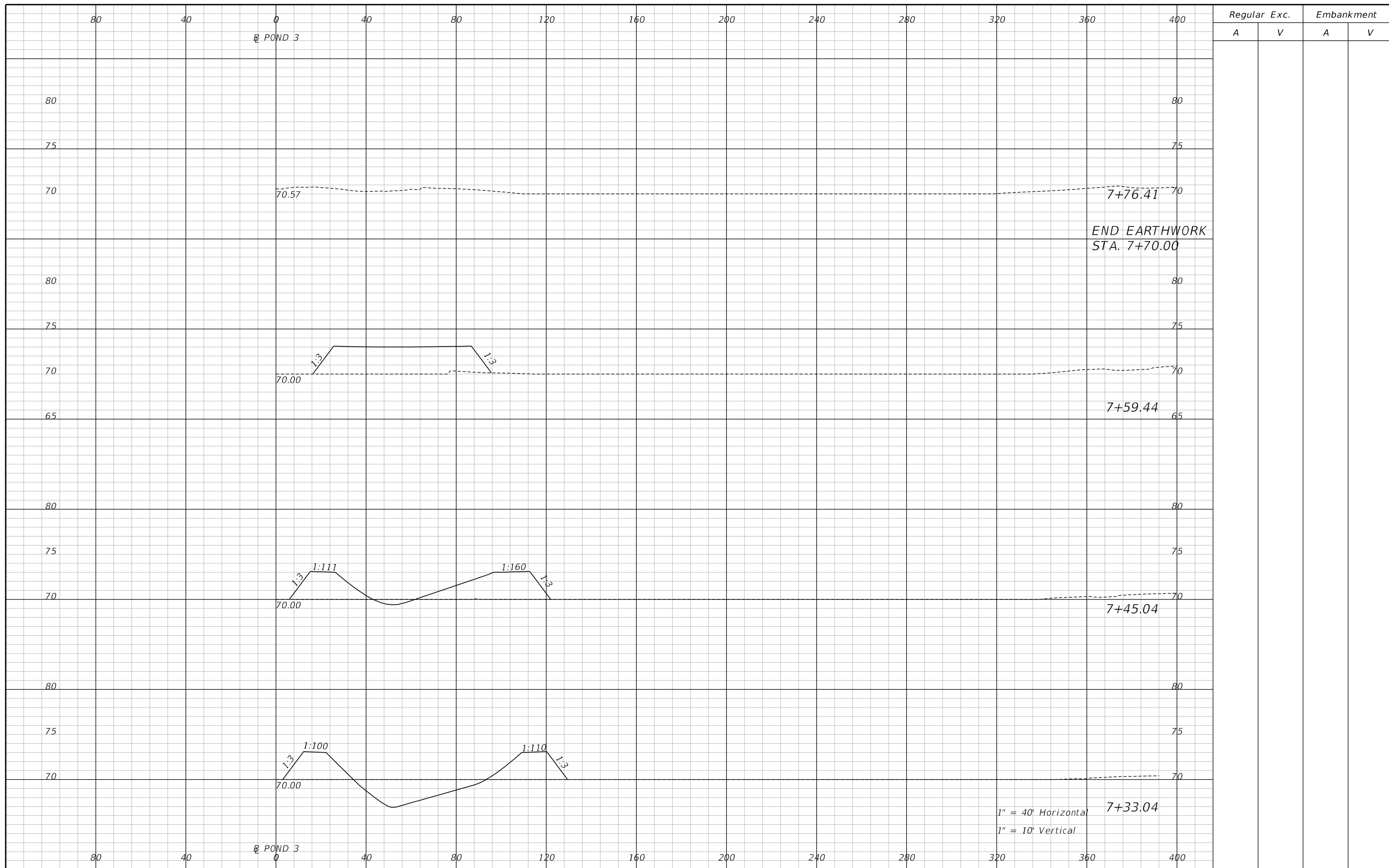
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THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE STANDARD PLANS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE RECONSTRUCTION AND WIDEN OF JACK BRACK ROAD FROM NARCOOSSEE ROAD TO ABSHER ROAD, A DISTANCE OF APPROXIMATELY 2.80 MILES. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SIDEWALK, UNDERGROUND STORM DRAIN SYSTEMS, AND STORMWATER MANAGEMENT FACILITIES.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS A SEQUENCE IS PROPOSED THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE PONDS.
2. CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION.
3. STORM DRAIN AND ROADWAY UNDERDRAIN CONSTRUCTION. CONSTRUCT THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.
4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, GRAVITY WALL, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.
5. CONSTRUCT UNDERDRAIN IN POND BOTTOM.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 46.70 ACRES
 TOTAL AREA TO BE DISTURBED: 33.58 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.34
 DURING: VARIES FROM 0.34 TO 0.50
 AFTER: 0.50

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE FINE SANDS.

OUTFALL INFORMATION:

THERE ARE 3 OUTFALLS.

#1 DESCRIPTION: POND 1. THIS DISCHARGES TO A WETLAND SYSTEM TO EAST LAKE TOHOPEKALIGA.

LOCATION: LATITUDE 28° 30' 30" N, LONGITUDE, 81° 15' 15" W.
 EST. DRAINAGE AREA SIZE: 13.78 ACRES
 RECEIVING WATER NAME: EAST LAKE TOHOPEKALIGA.

#2 DESCRIPTION: POND 2. THIS DISCHARGES TO THE DITCH LOCATED SOUTH OF JACK BRACK ROAD, WHICH CONVEYS THE RUNOFF TOWARDS LAKE CENTER.

LOCATION: LATITUDE 28° 18' 22" N, LONGITUDE, 81° 13' 15" W.
 EST. DRAINAGE AREA SIZE: 18.79 ACRES
 RECEIVING WATER NAME: LAKE CENTER.

#3 DESCRIPTION: POND 3. THIS DISCHARGES TO THE ADJACENT LARGE DITCH, WHICH FLOWS UNDER JACK BRACK ROAD, WHICH WILL CONVEY TO LAKE CENTER.

LOCATION: LATITUDE 28° 18' 35" N, LONGITUDE, 81° 12' 09" W.
 EST. DRAINAGE AREA SIZE: 14.30 ACRES
 RECEIVING WATER NAME: LAKE CENTER.

1.E. 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 MAPS.

* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS. THERE ARE POND CROSS SECTIONS LOCATED WHICH CAN BE FOUND ON THE KEYSHEET.

* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE 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.

* AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL SHEETS EXCEPT FOR THE CONTROLS ASSOCIATED WITH THE BOX CULVERT REPLACEMENT WHICH ARE SHOWN ON THE BOX CULVERT CONSTRUCTION DETAIL SHEET. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

* LOCATIONS OF PERMANENT CONTROLS: THE STORMWATER PONDS ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON 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: THE ONLY SURFACE WATER WITHIN THE SITE IS THE LARGE DITCH adjacent TO POND 3, WHICH FLOWS UNDER JACK BRACK ROAD AT STATION 227+40. THIS IS LOCATED ON THE PLAN-PROFILE SHEETS.

* DISCHARGE POINTS TO SURFACE WATERS: THERE IS ONLY ONE. THIS IS SHOWN ON THE PLAN-PROFILE SHEETS AT THE LARGE DITCH adjacent TO POND 3 (CULVERT AT STATION 227+40).

1.F. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE WETLAND AREAS ON THE PROJECT SITE.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

PHASE IA OF TEMPORARY TRAFFIC CONTROL PLANS:

CONSTRUCTING THE TEMPORARY PAVEMENT

PHASE I OF TEMPORARY TRAFFIC CONTROL PLANS:

CONSTRUCT THE new WESTBOUND LANES EXCLUDING FRICTION COURSE, TEMPORARY PAVEMENT, DRAINAGE PONDS, TRUCKLINE, AND INLETS.

PHASE II OF THE TEMPORARY TRAFFIC CONTROL PLAN:

CONSTRUCT THE new WESTBOUND LANES EXCLUDING FRICTION COURSE, TEMPORARY PAVEMENT.

PHASE IIIA OF THE TEMPORARY TRAFFIC CONTROL PLAN:

CONSTRUCT DRAINAGE TRUCKLINE, AND TEMP. INLET CAPS, CONSTRUCT TEMPORARY PAVEMENT.

PHASE III OF THE TEMPORARY TRAFFIC CONTROL PLAN:

CONSTRUCT NEW EASTBOUND LANES EXCLUDING FRICTION COURSE.

PHASE IVA OF THE TEMPORARY TRAFFIC CONTROL PLAN:

CONSTRUCT THE REMAINDER WESTBOUND ULTIMATE.

PHASE IV OF THE TEMPORARY TRAFFIC CONTROL PLAN:

CONSTRUCT THE MEDIAN, LEFT TURN LANES, & TRAFFIC SEPARATORS. PLACE FINAL FRICTION COURSE. PLACE MARKINGS PER FINAL PAVEMENT MARKING PLANS.


2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, 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.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

REVISIONS			DATE	BY	DESCRIPTION	JACK BRACK ROAD WIDENING	ENGINEER OF RECORD		 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 379
DATE	BY	DESCRIPTION					Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765				

PERMANENT:

- * ASPHALT OR CONCRETE SURFACE.
- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND 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:

TEMPORARY:

- * SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.
- * INLET PROTECTION IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.
- * SEDIMENT CONTAINMENT SYSTEM: THE PERMANENT STORMWATER PONDS WILL BE TEMPORARILY MODIFIED ACCORDING TO THE DETAILS IN THE TTC PLAN.

PERMANENT:

- * STORMWATER PONDS.
- * SOD.

2.B STORMWATER MANAGEMENT:

SEVERAL STORM DRAIN SYSTEMS WILL BE CONSTRUCTED TO CONVEY RUNOFF TO THREE (3) STORMWATER RETENTION PONDS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, 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 & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. INCLUDE IN THE PROPOSED METHODS AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- * COVERING LOADED HAUL TRUCKS WITH TARPAULINS.
- * REMOVING EXCESS DIRT FROM ROADS DAILY.
- * STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.
- * USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS

EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

* CONSTRUCTION GENERIC PERMIT

* FDEP RULE CHAPTER 62-25 F.A.C.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SECTION 104. ANTICIPATE REPLACING SILT FENCE ON 12-MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

* PONDS ONE AND TWO: THE PONDS ARE TEMPORARY SEDIMENT BASINS UNTIL THE AREAS THAT DRAIN TO THEM ARE STABILIZED, SO UNTIL THEN, REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY POINT.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER.

TO COMPLY, INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, CONDUCT INSPECTION AT LEAST ONCE EVERY MONTH. ALSO, INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- * POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * STORMWATER MANAGEMENT SYSTEMS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

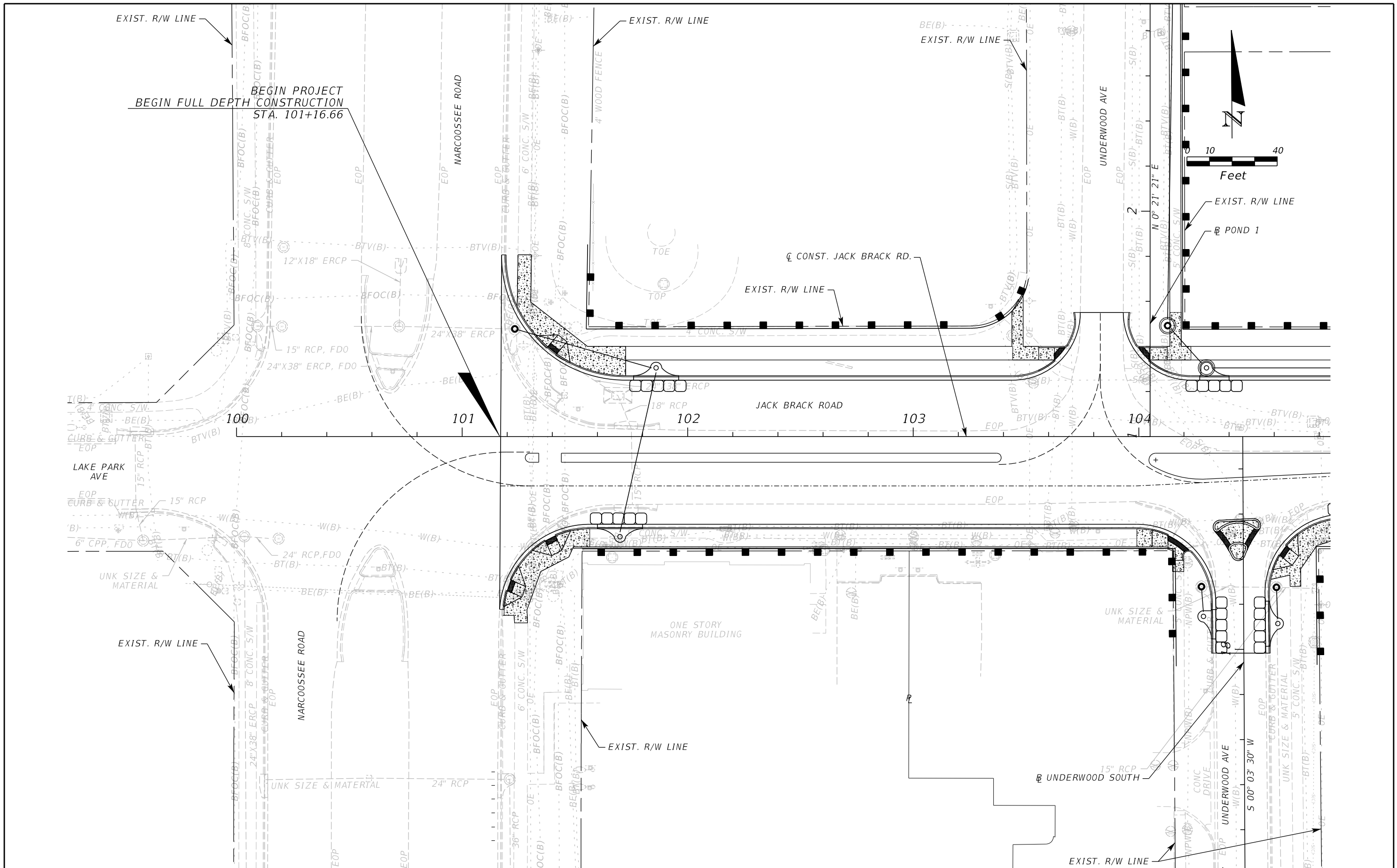
IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT SOIL AND WATER CONSERVATION AT (407) 847-4465.

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DATE	BY	DESCRIPTION			
			JACK BRACK ROAD WIDENING	OSCEOLA COUNTY Zachary K. Evans, PE PE No. 80498 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	STORMWATER POLLUTION PREVENTION PLAN



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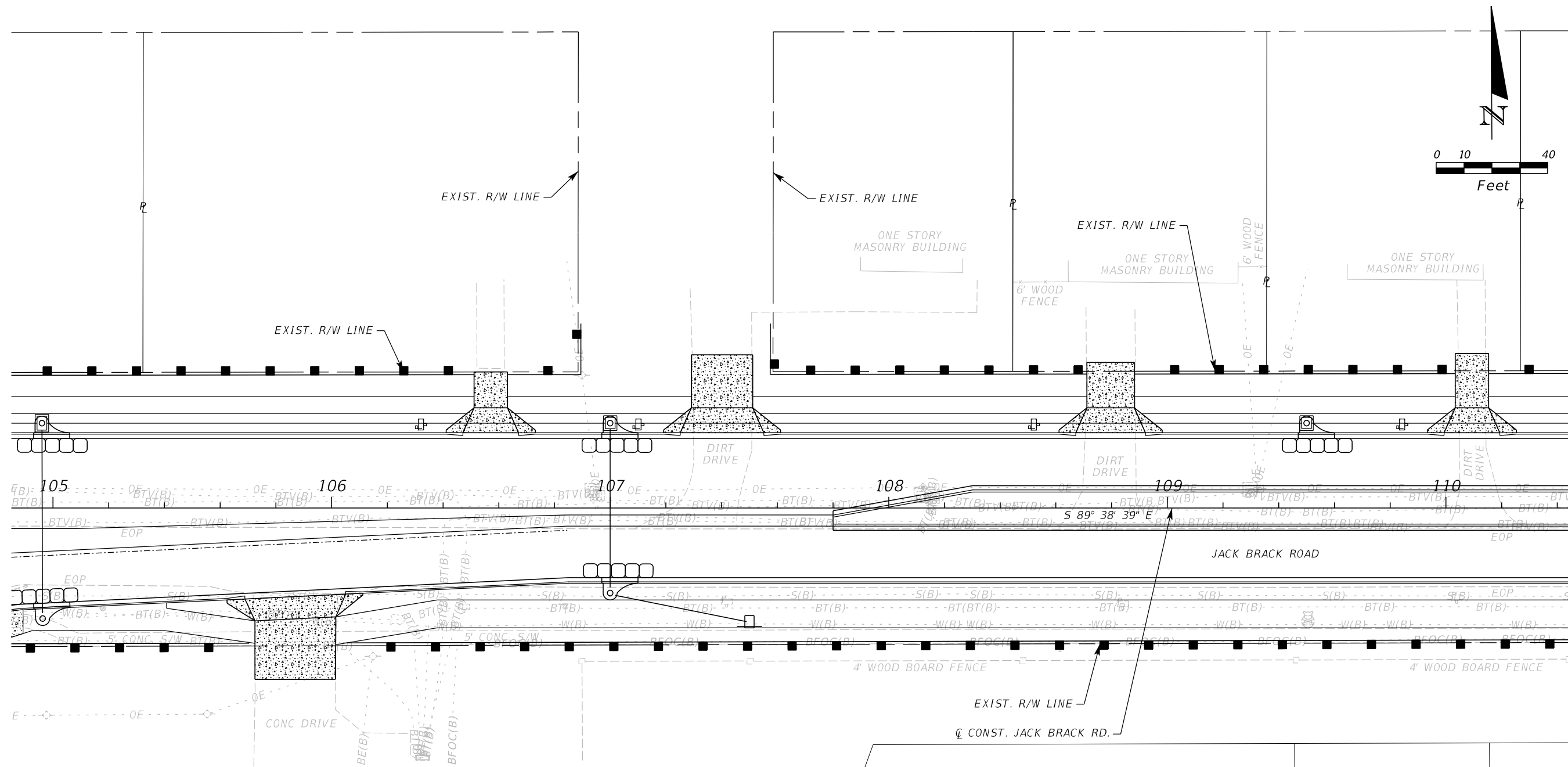


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EROSION CONTROL PLAN

SHEET NO.
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LEGEND:	
	SEDIMENT BARRIER
	INLET PROTECTION

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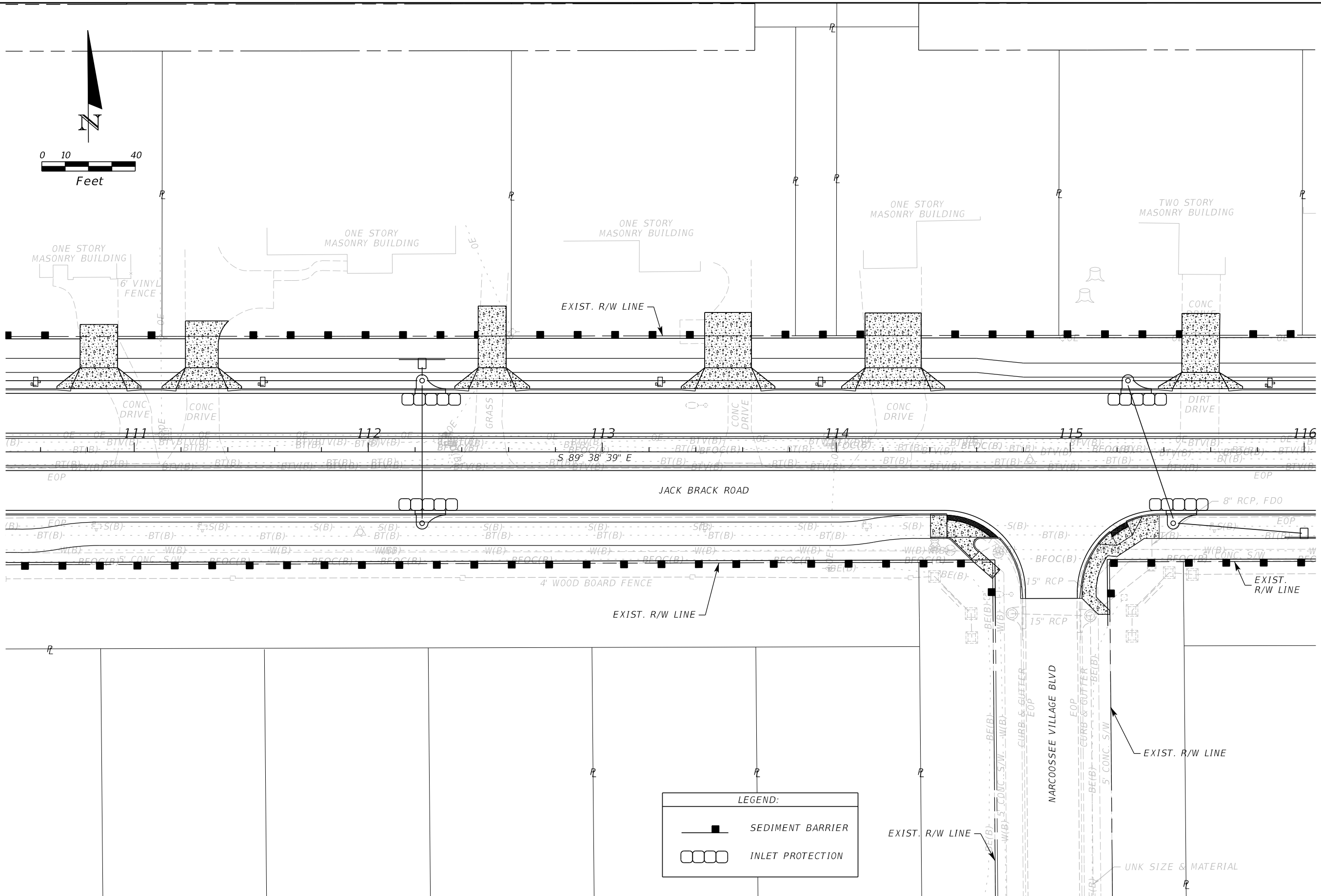
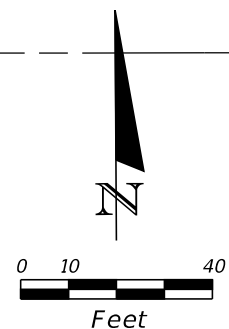


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LEGEND:

	SEDIMENT BARRIER
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**JACK BRACK ROAD
WIDENING**

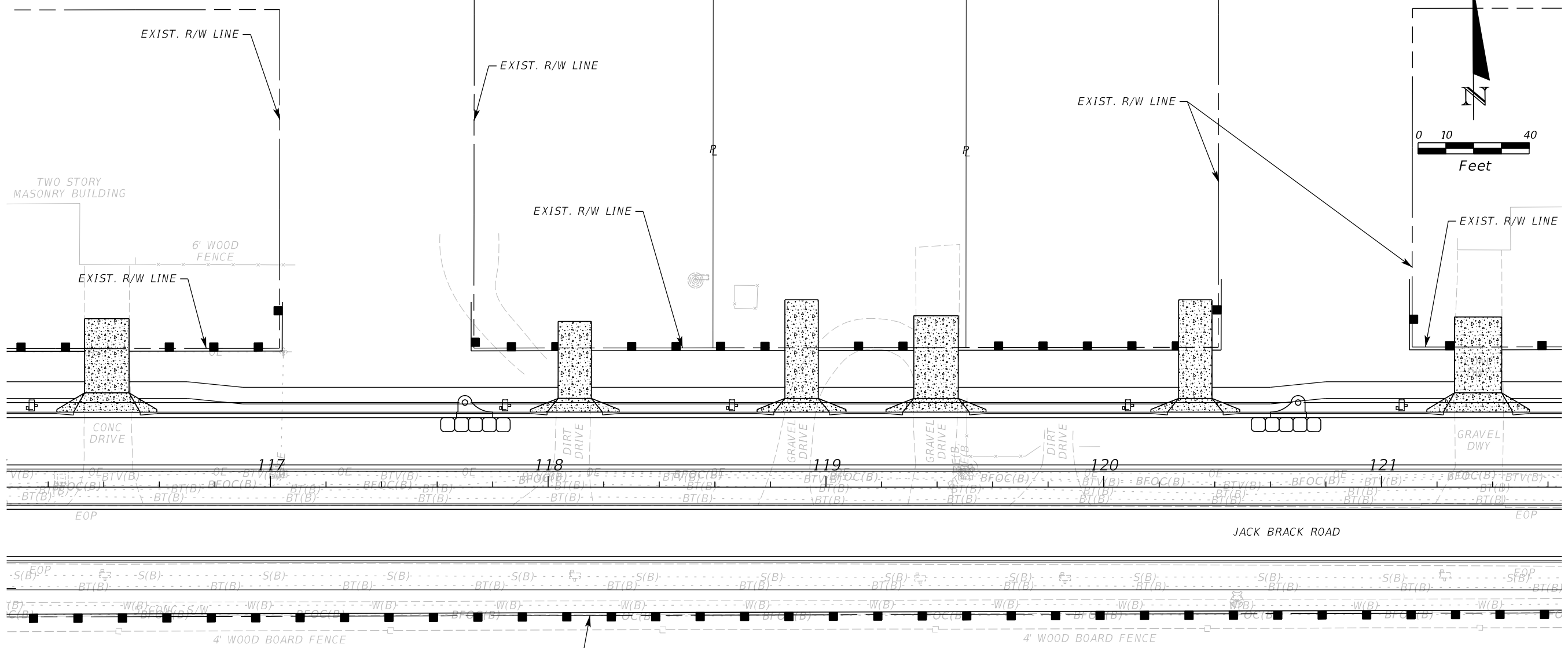
ENGINEER OF RECORD
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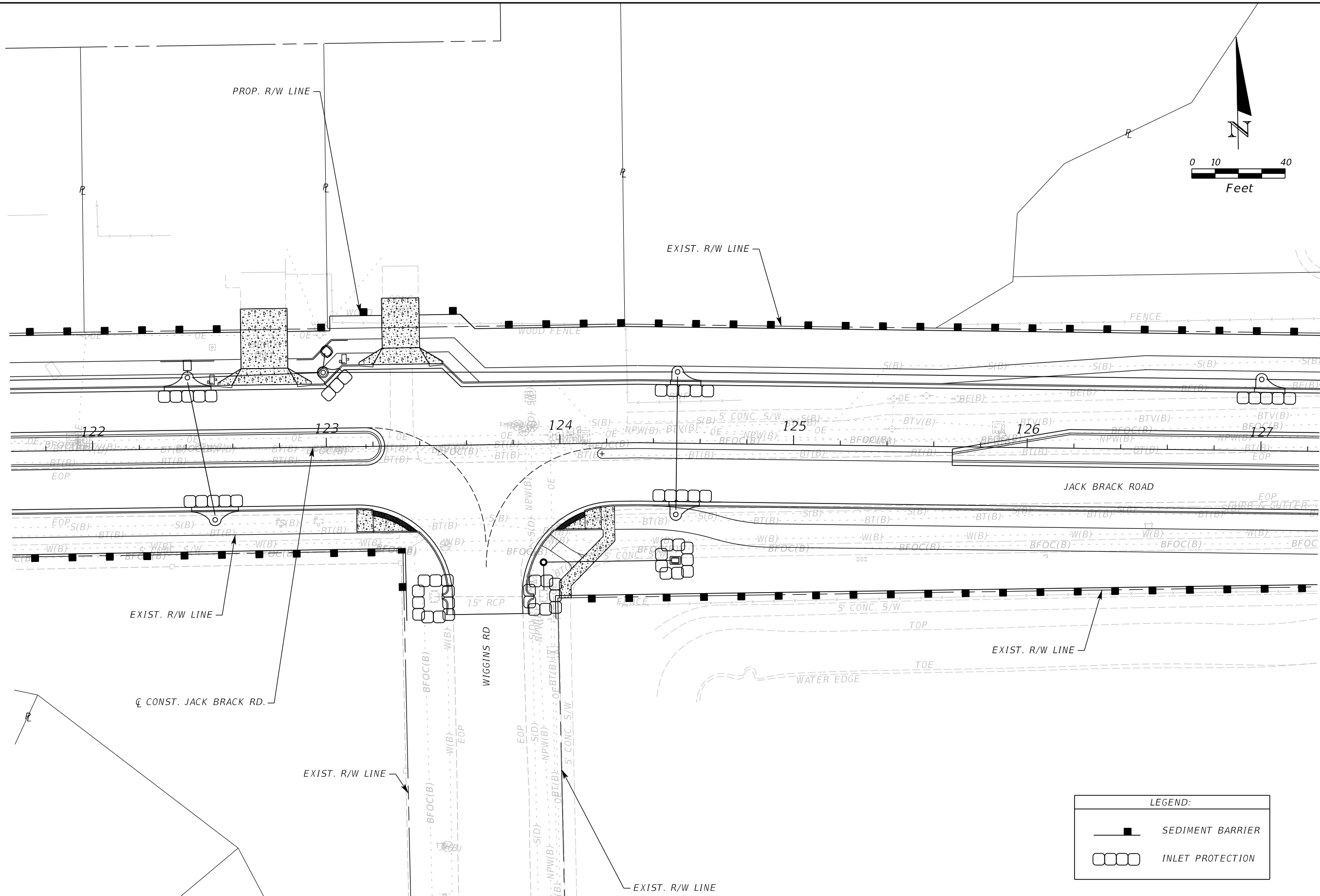
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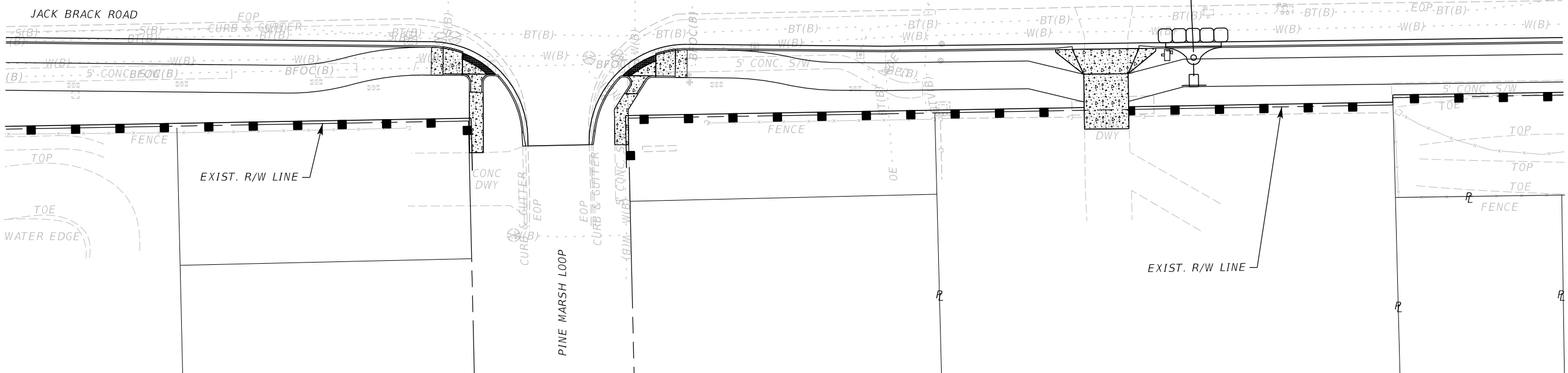
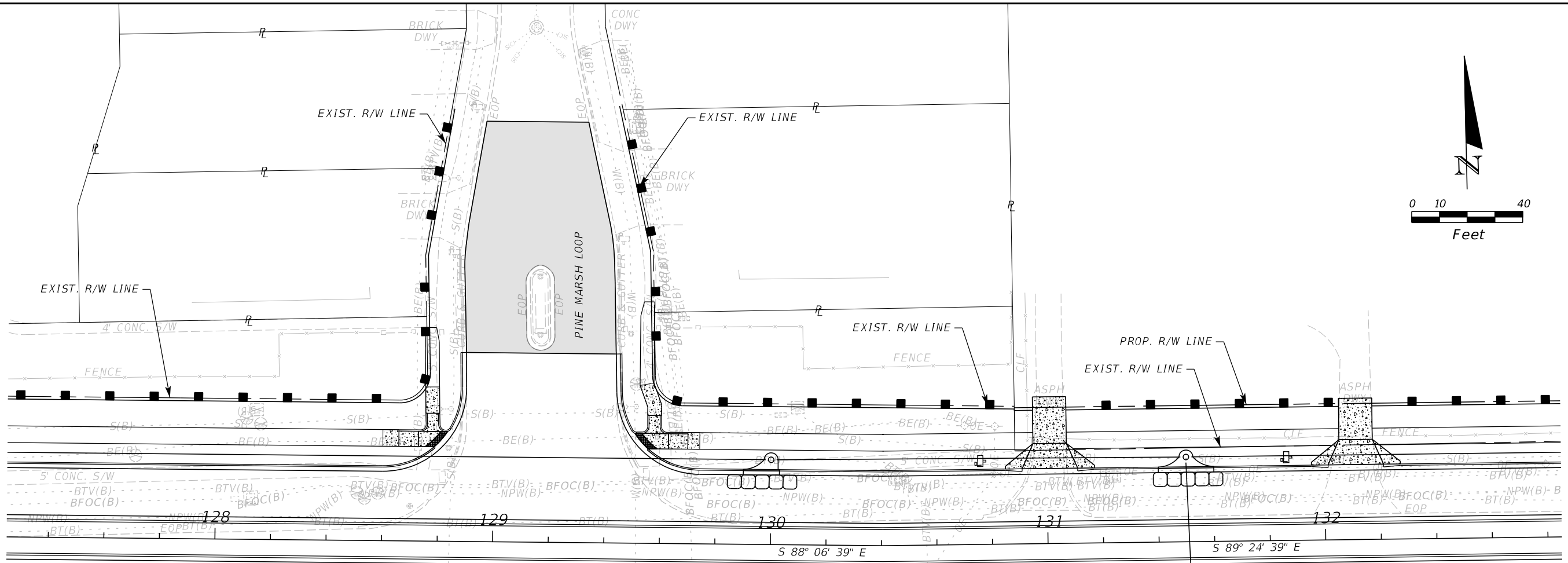
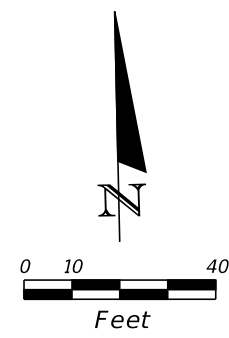
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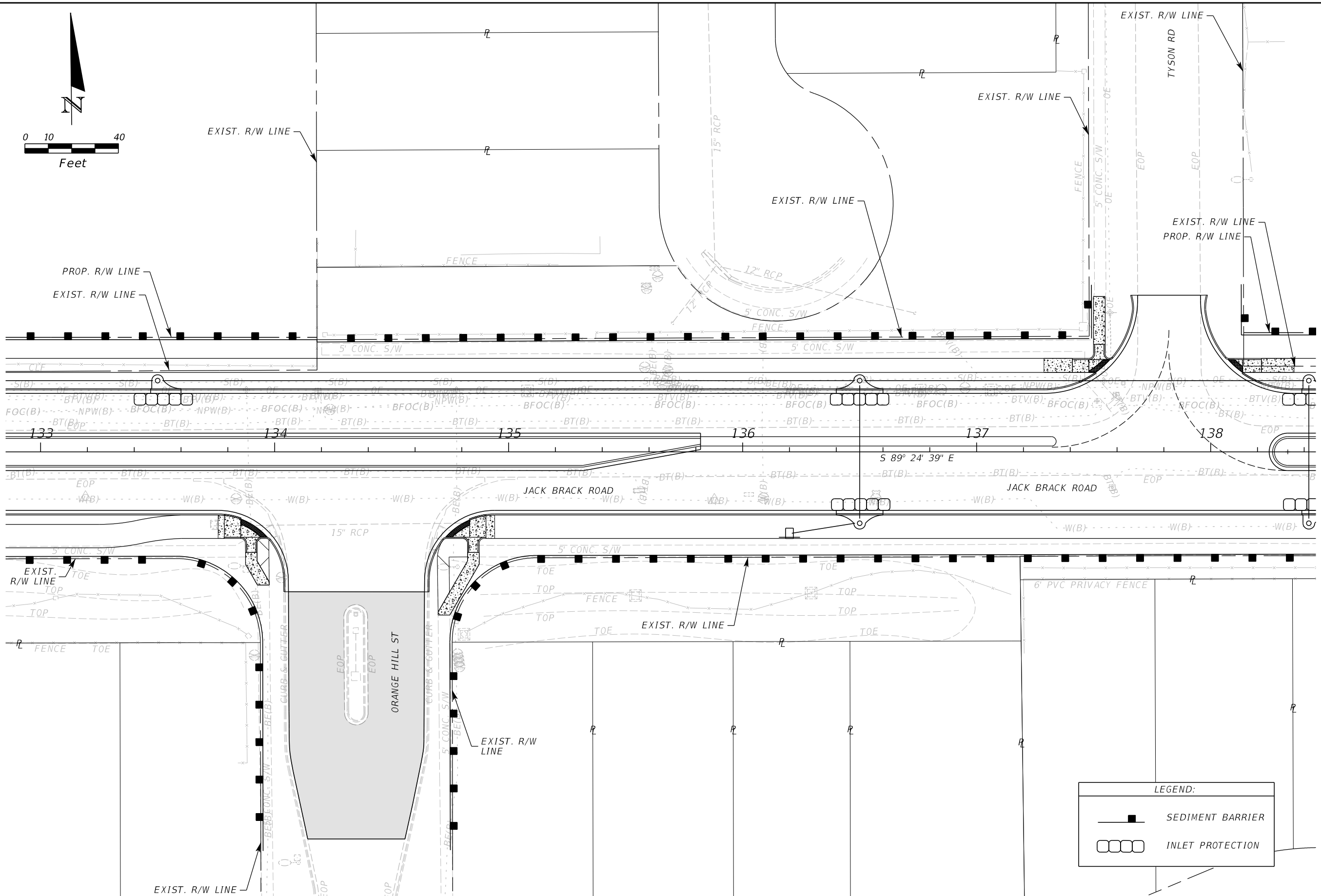
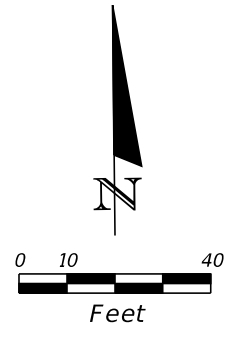
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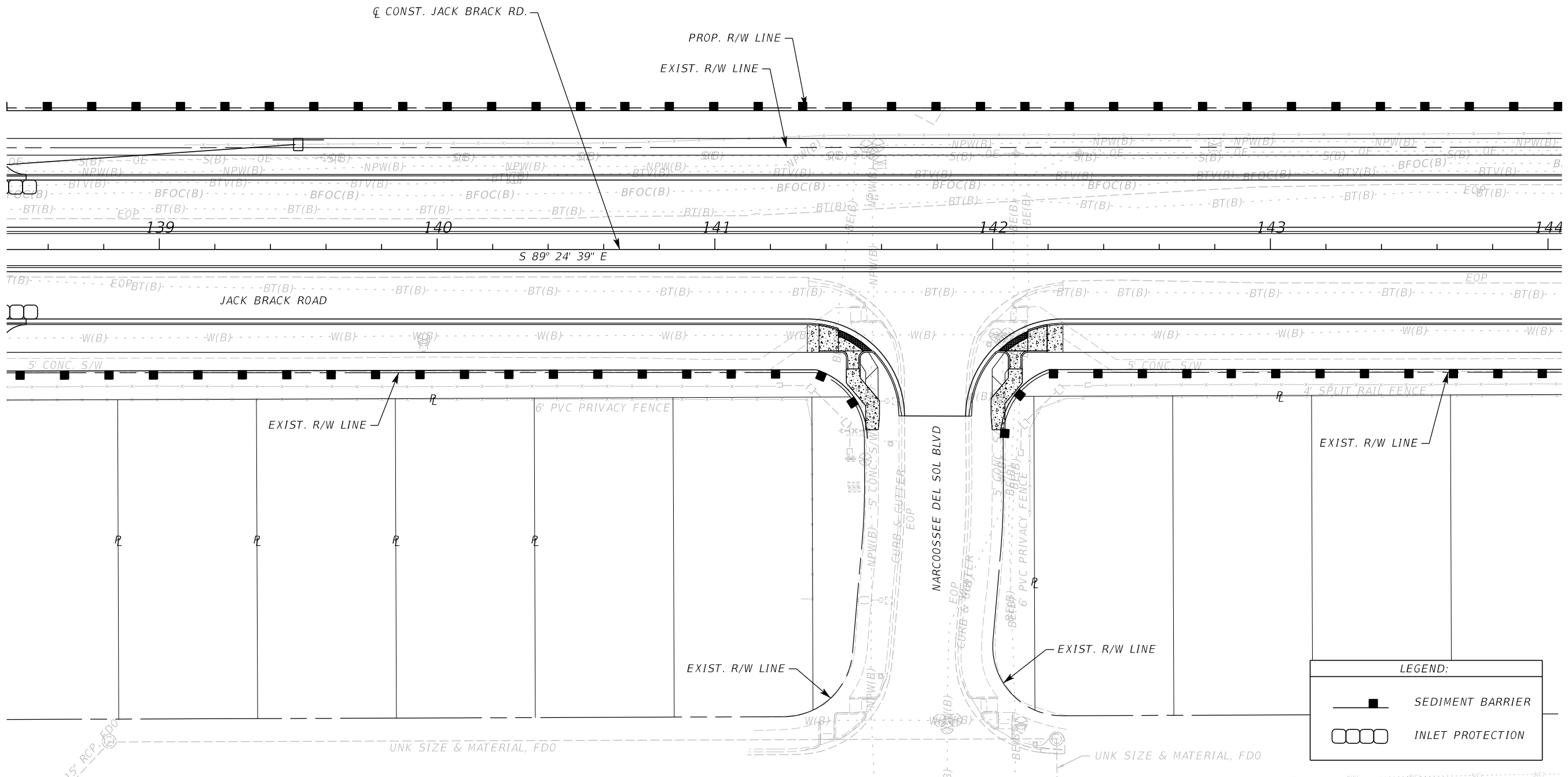
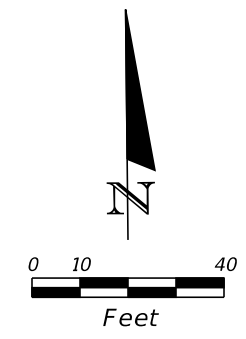
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15" RCP

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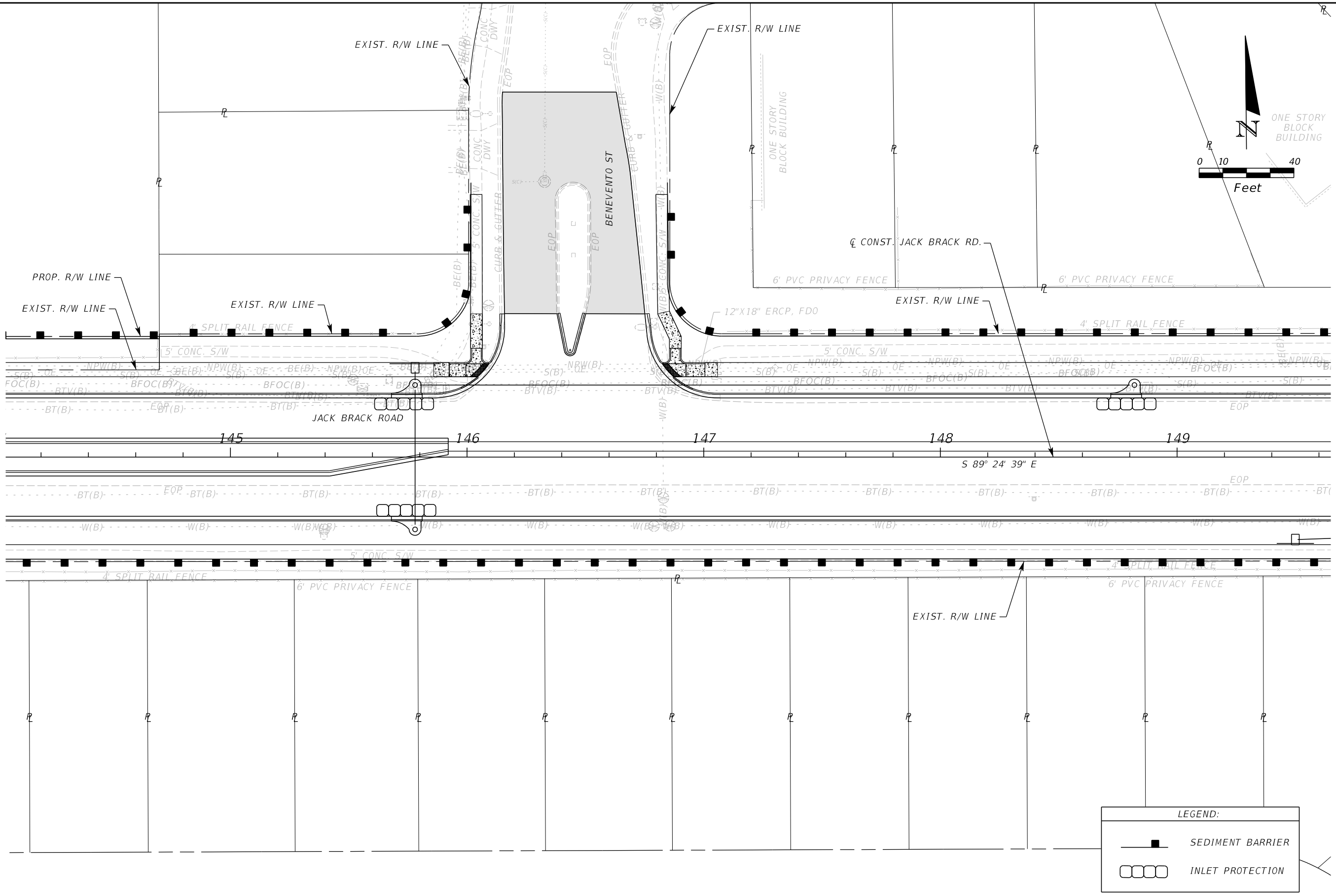
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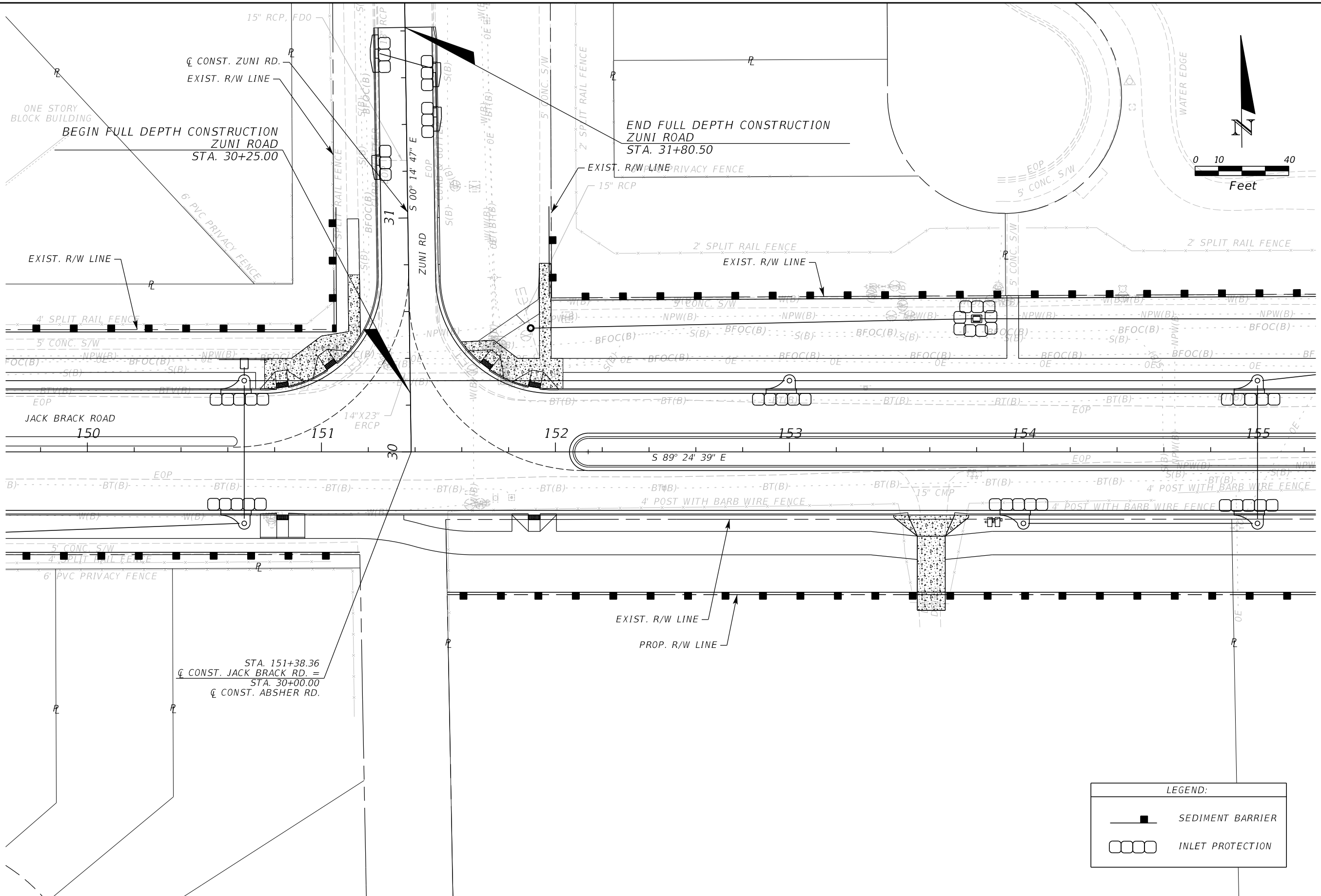
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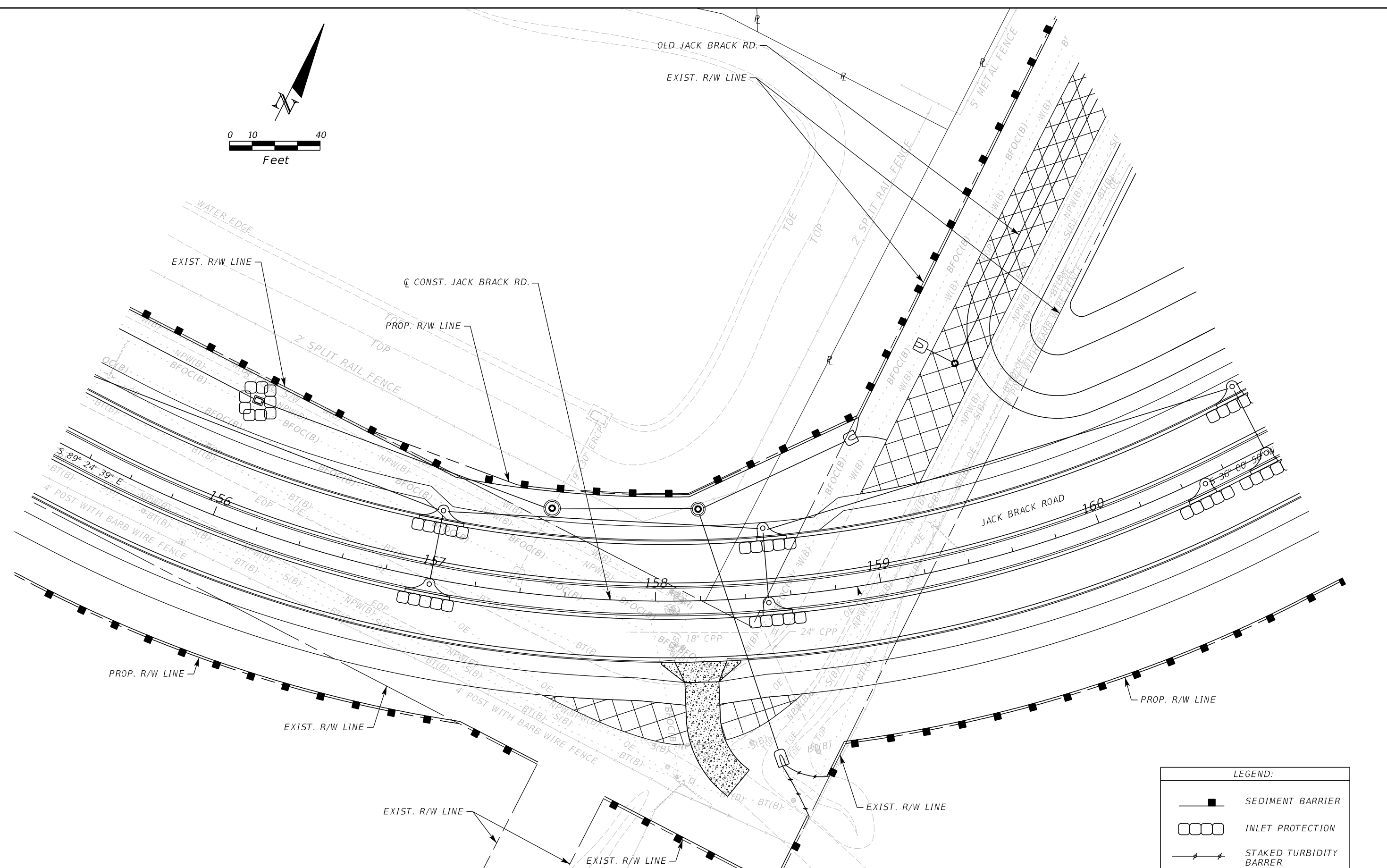
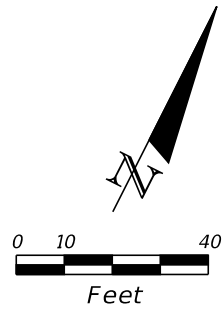
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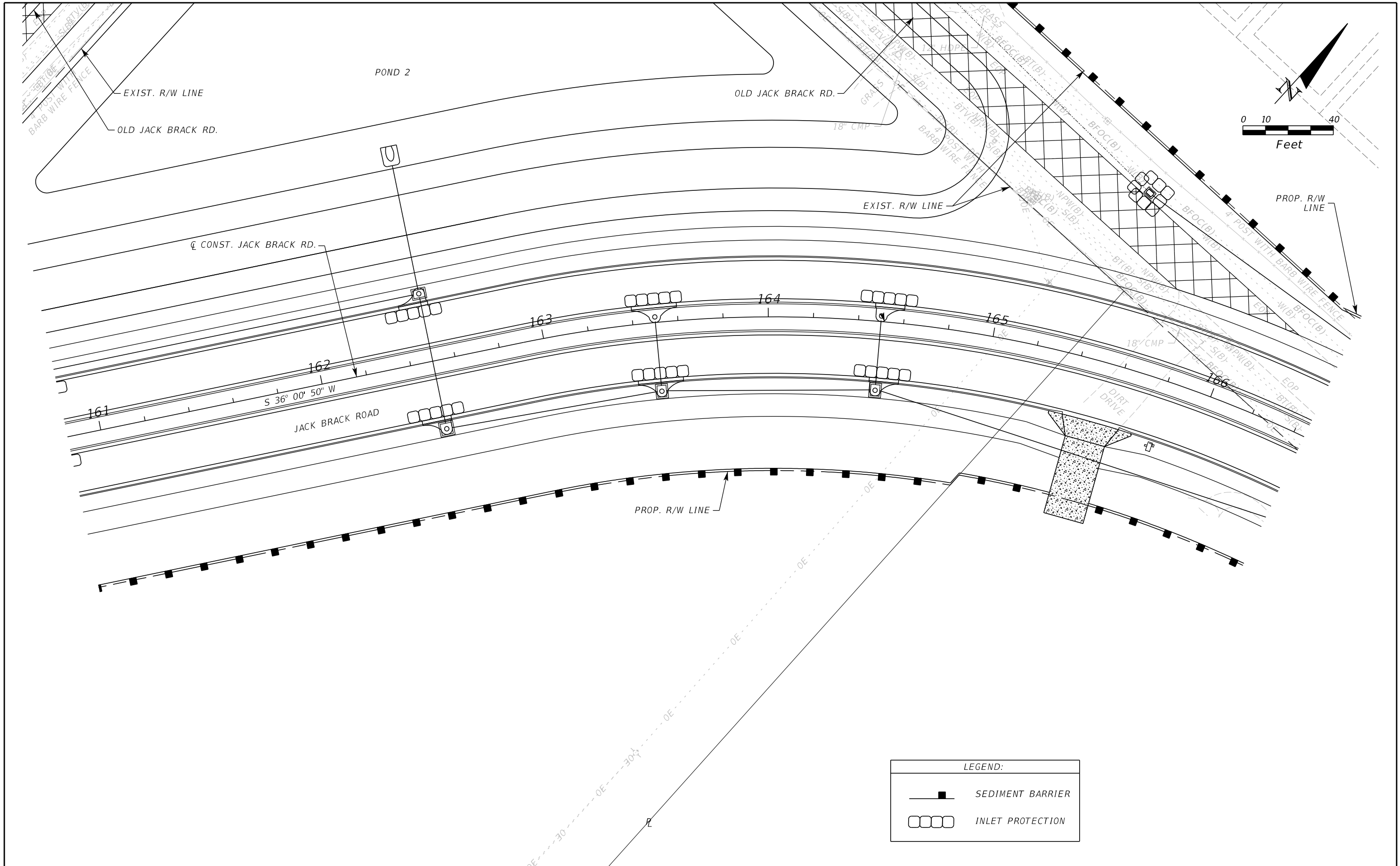
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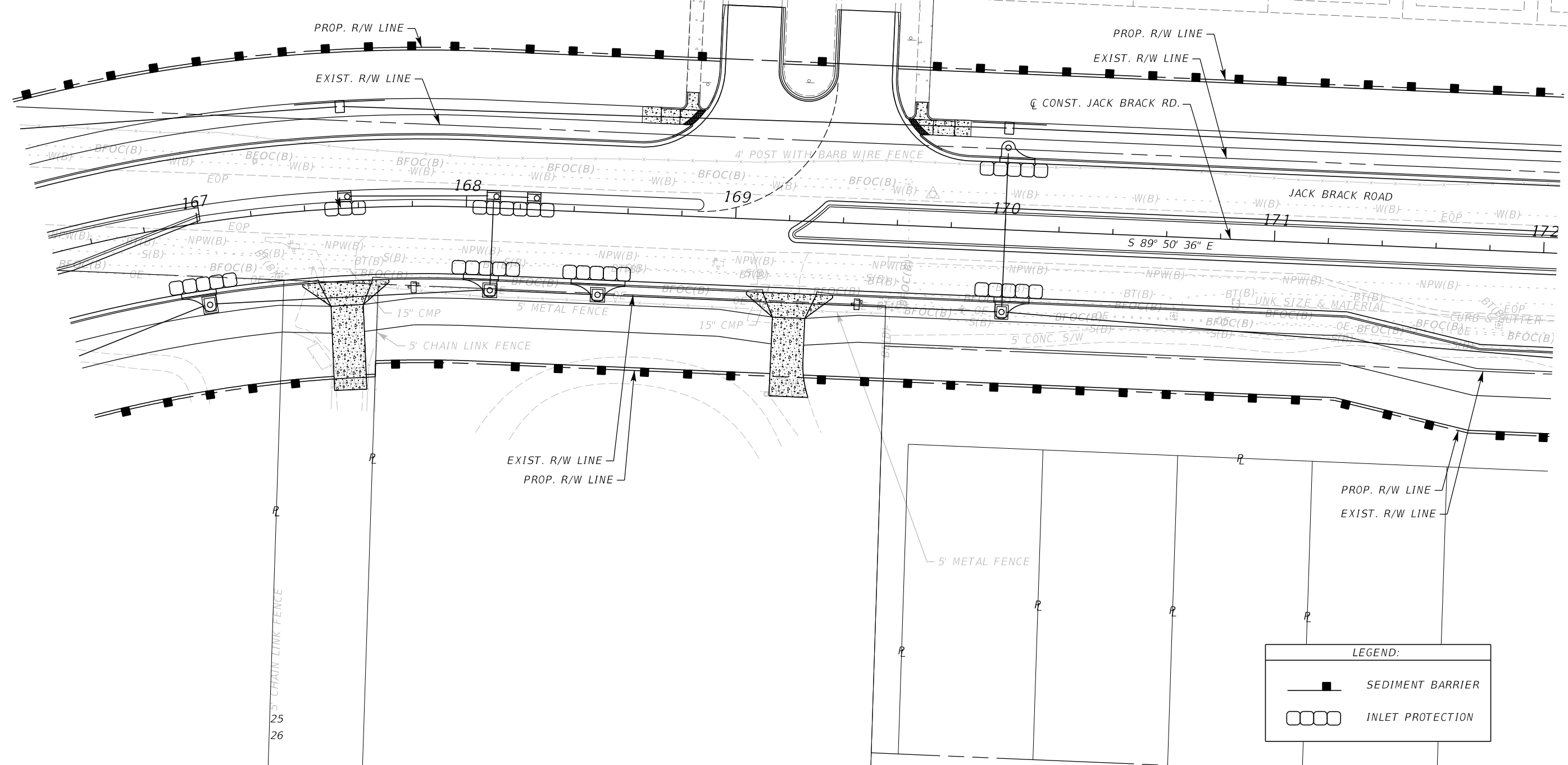
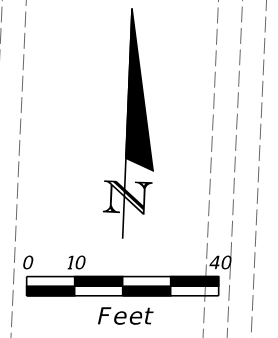
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BRACK RANCH DEVELOPMENT
PHASE 1



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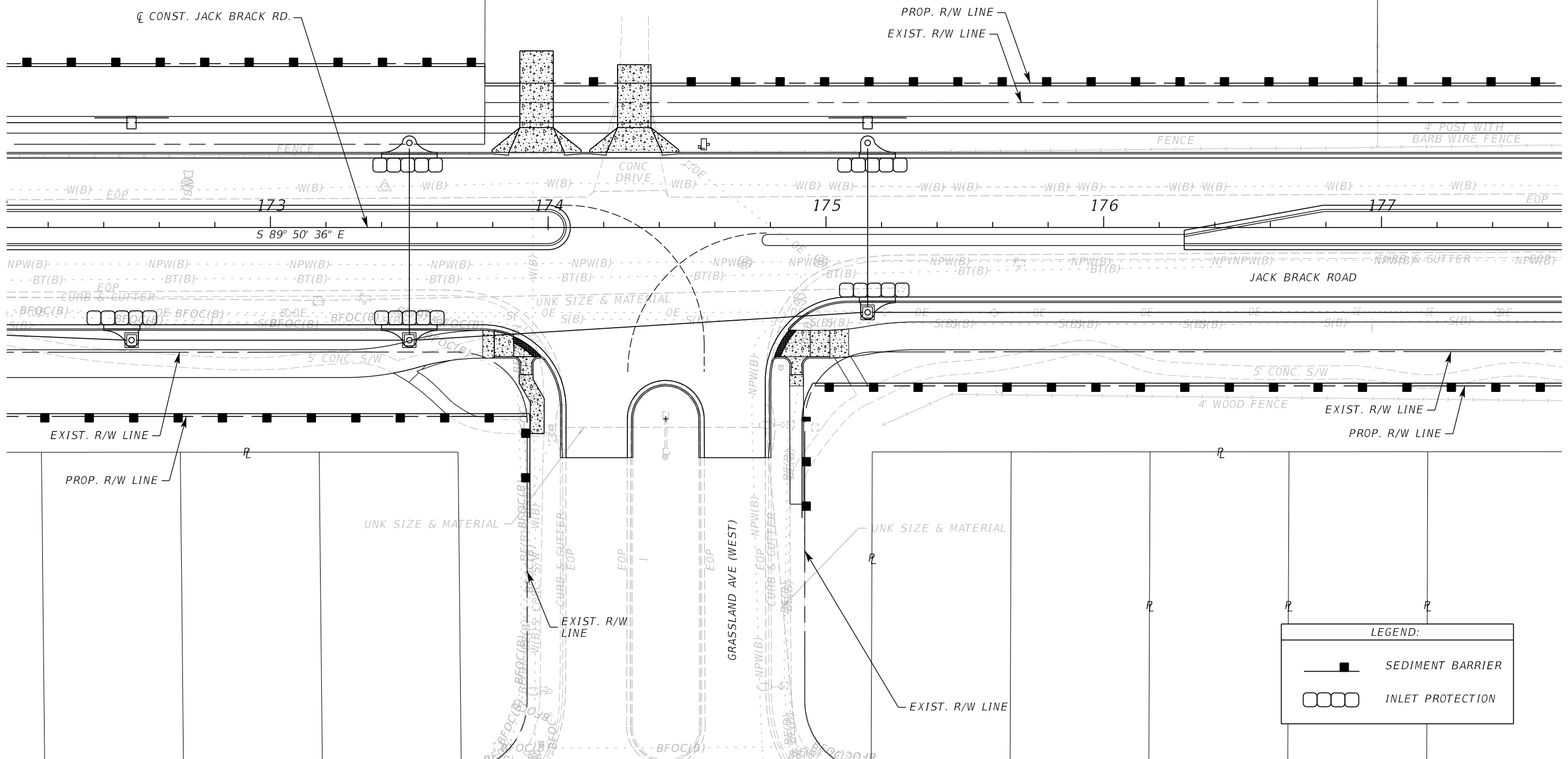
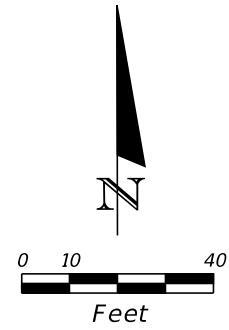
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BRACK RANCH DEVELOPMENT
PHASE 1



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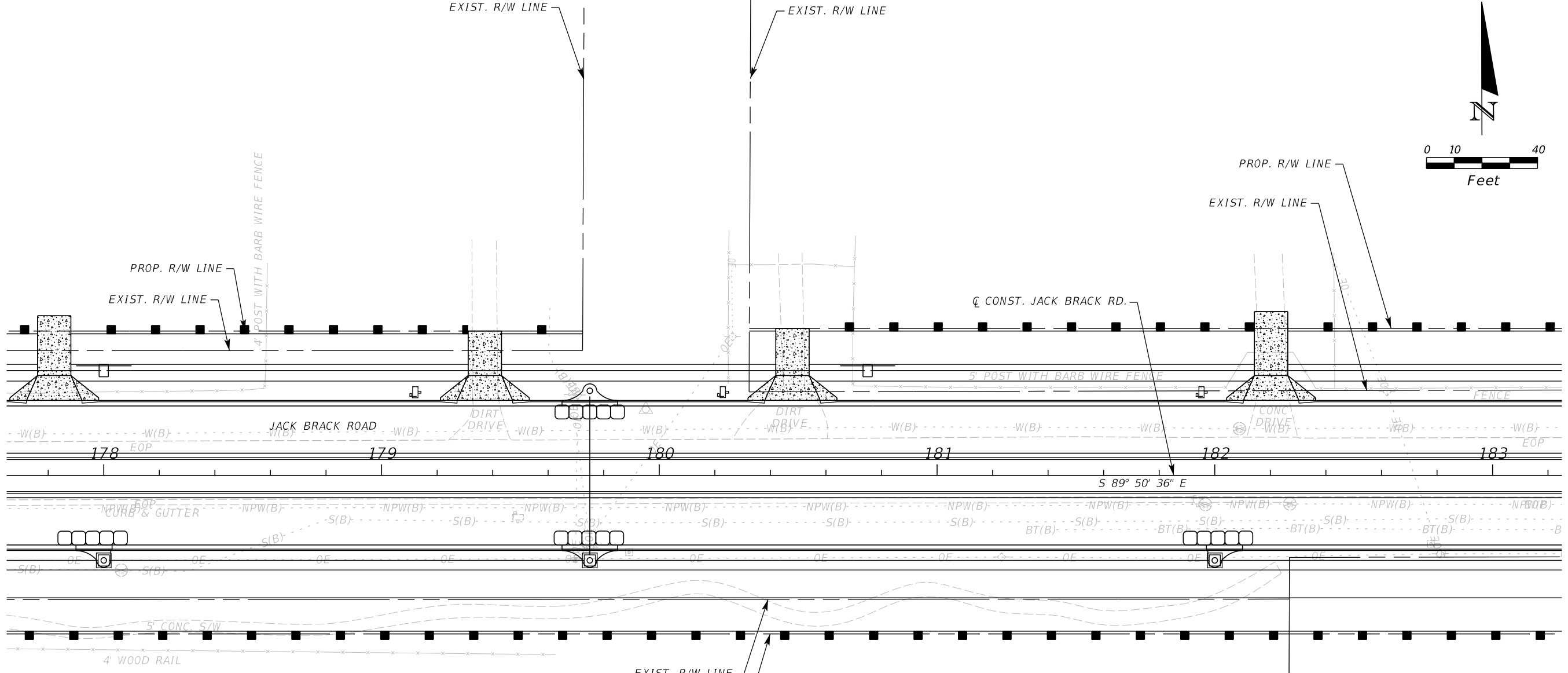
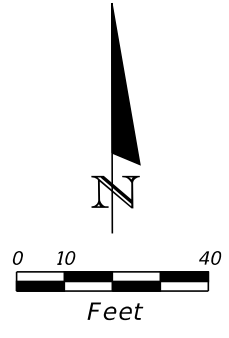
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LEGEND:

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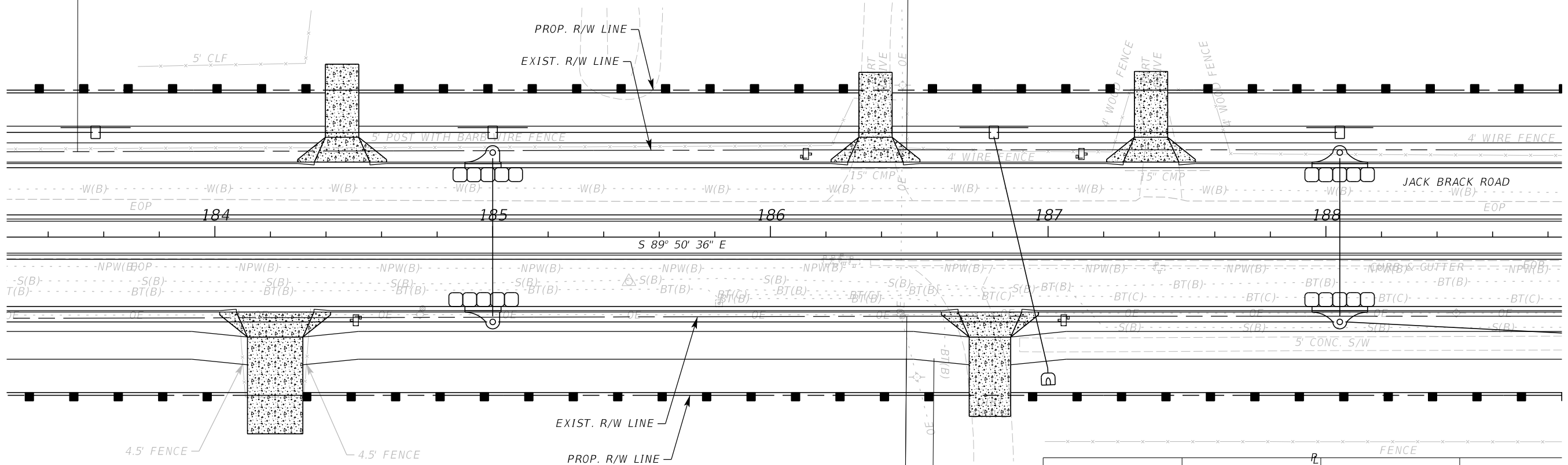
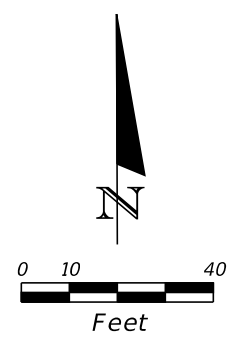
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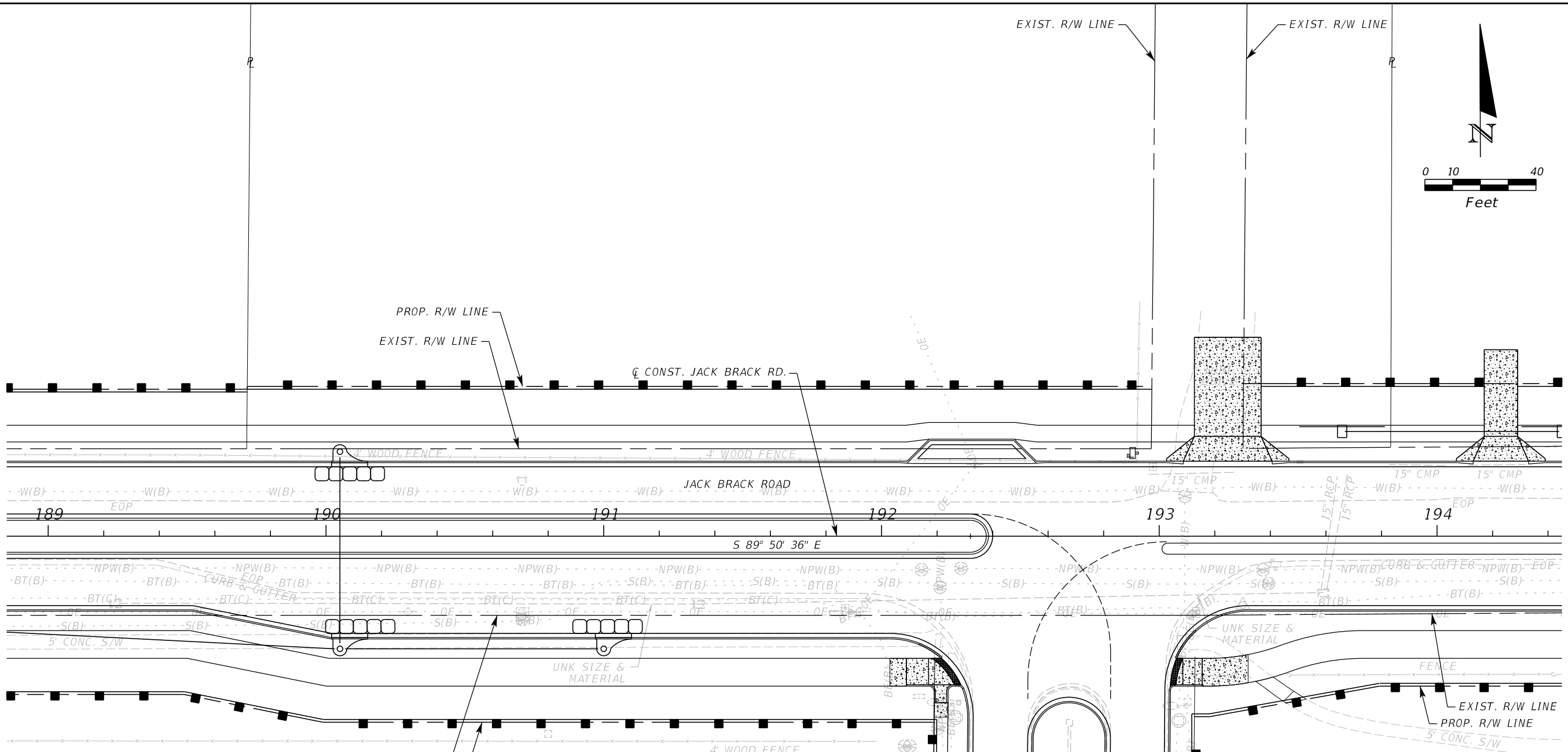
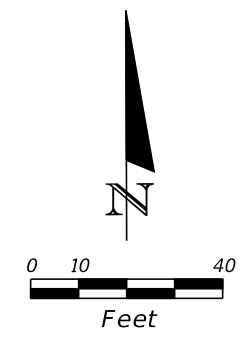
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EXIST. R/W LINE
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JACK BRACK ROAD
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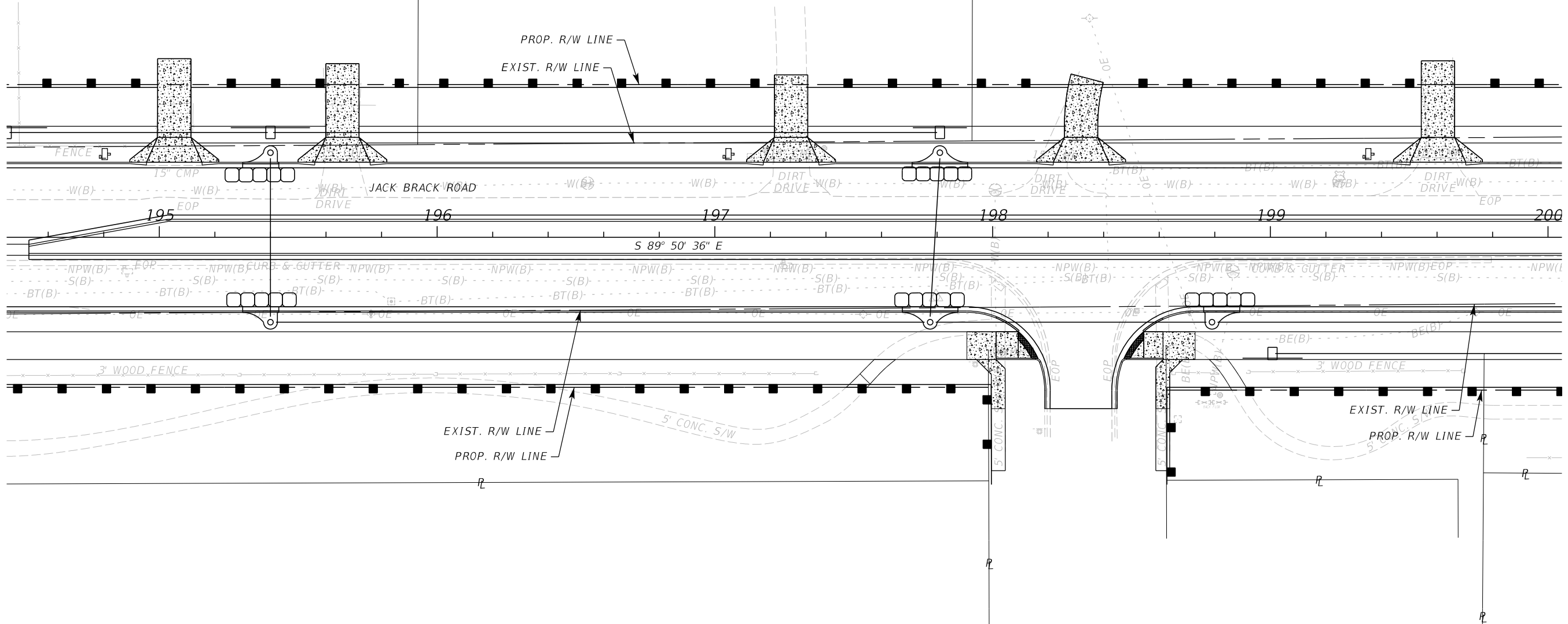
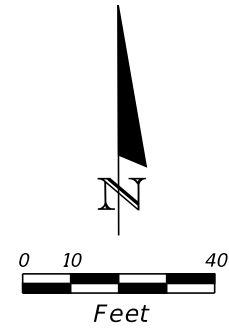
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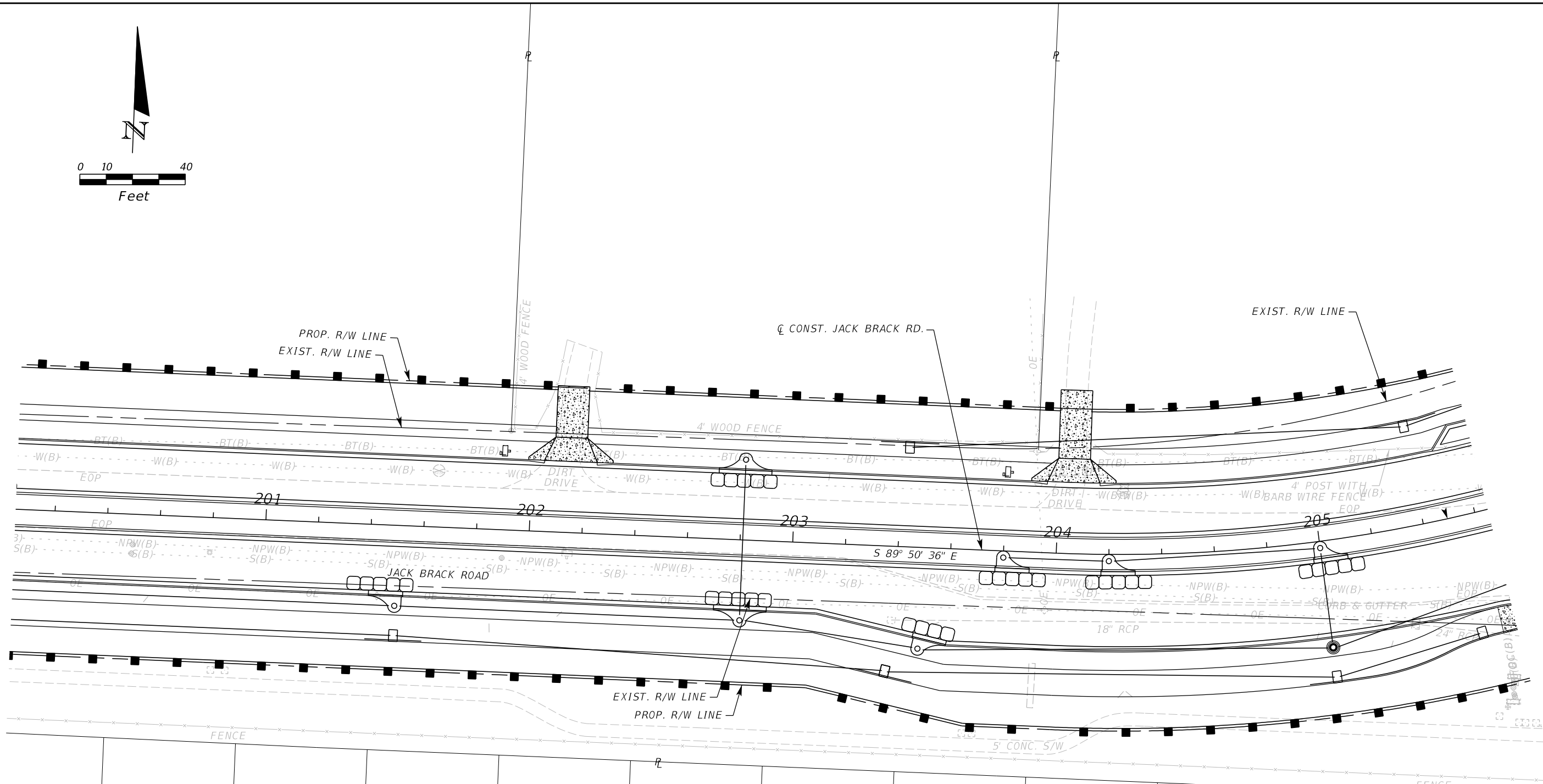
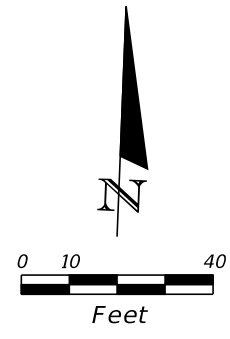
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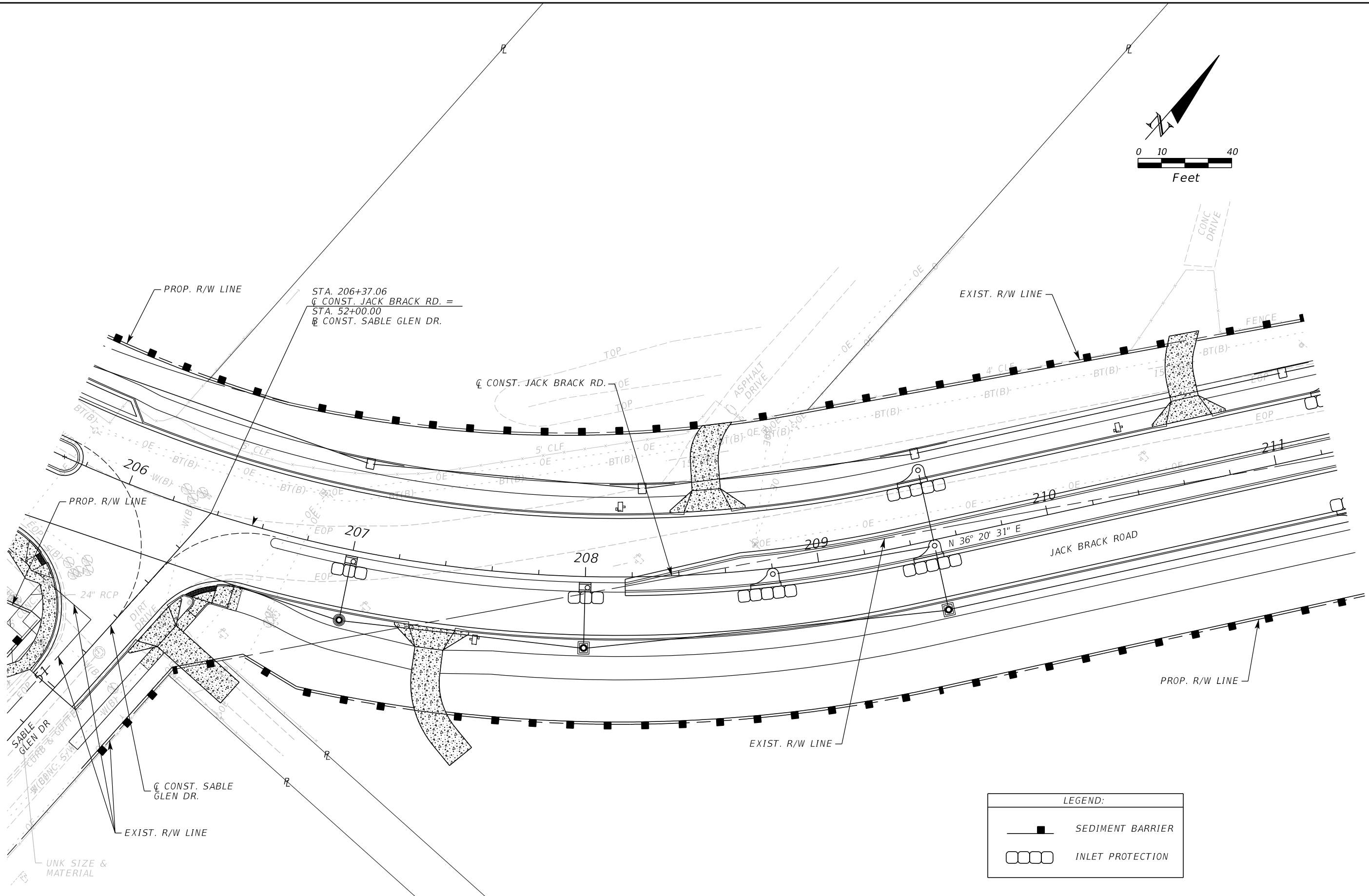
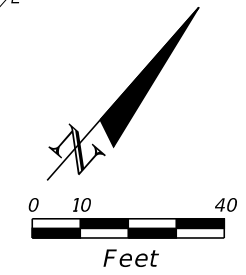
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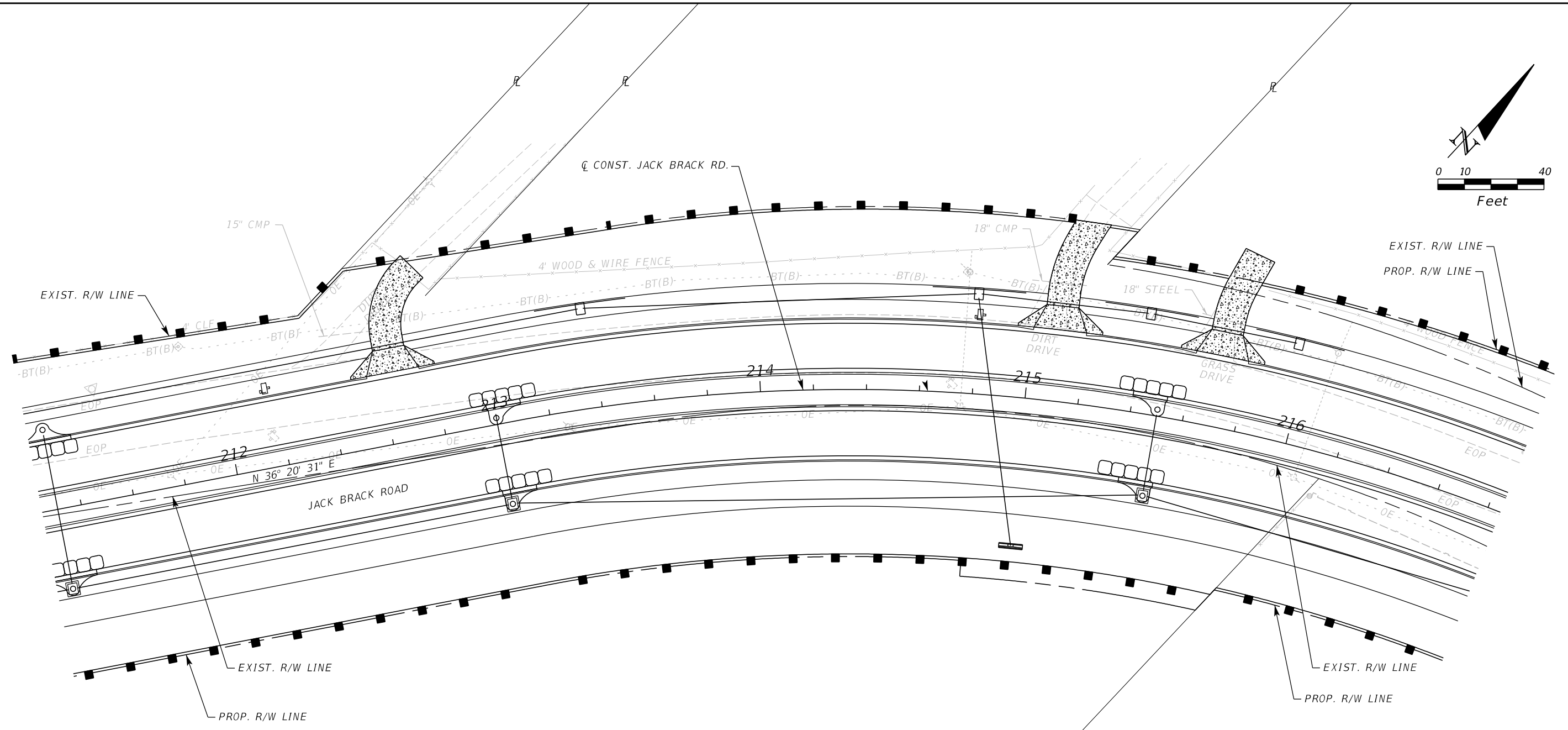
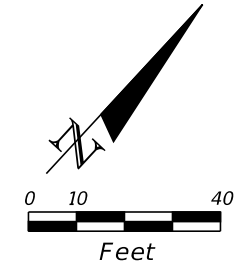
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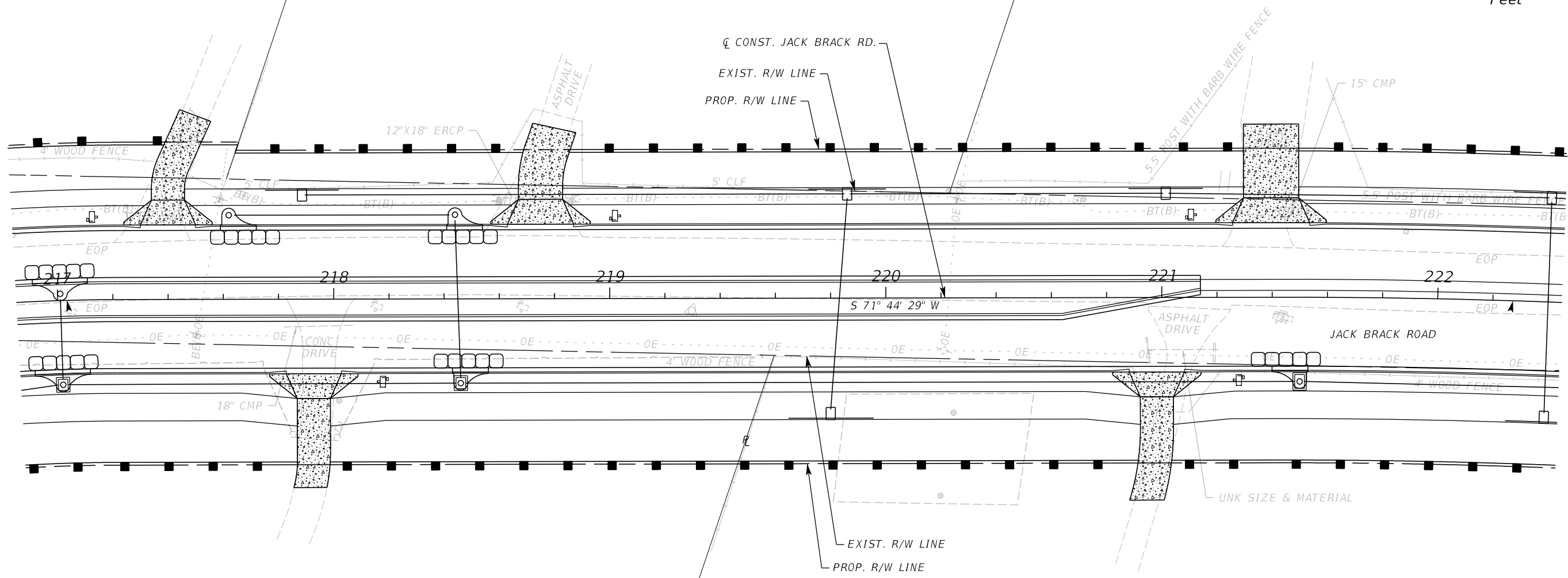
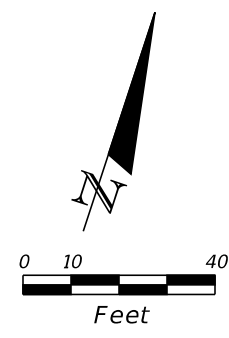
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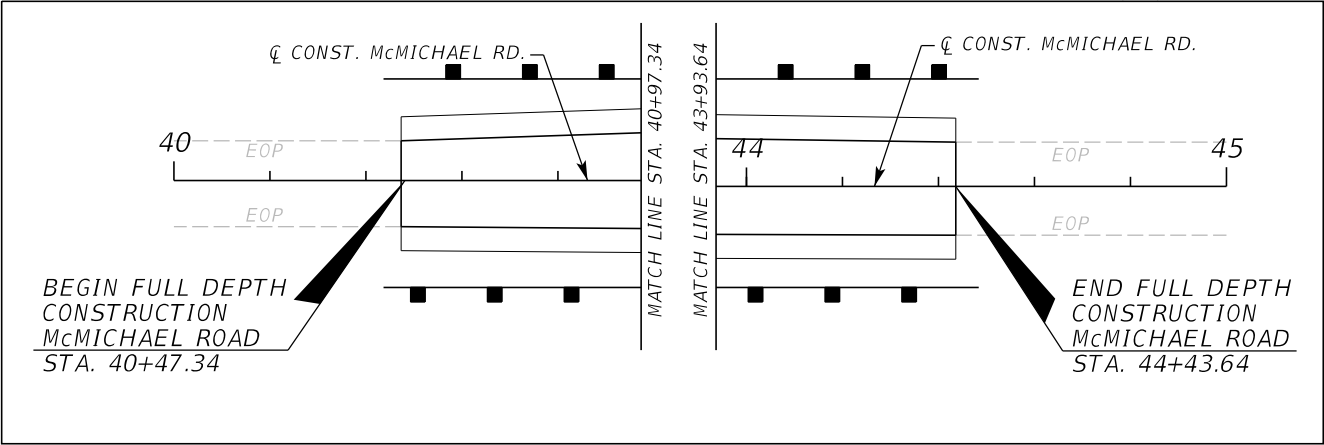
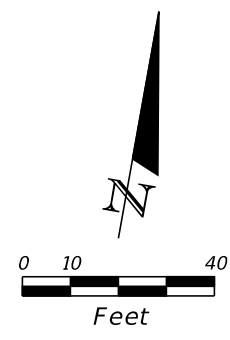
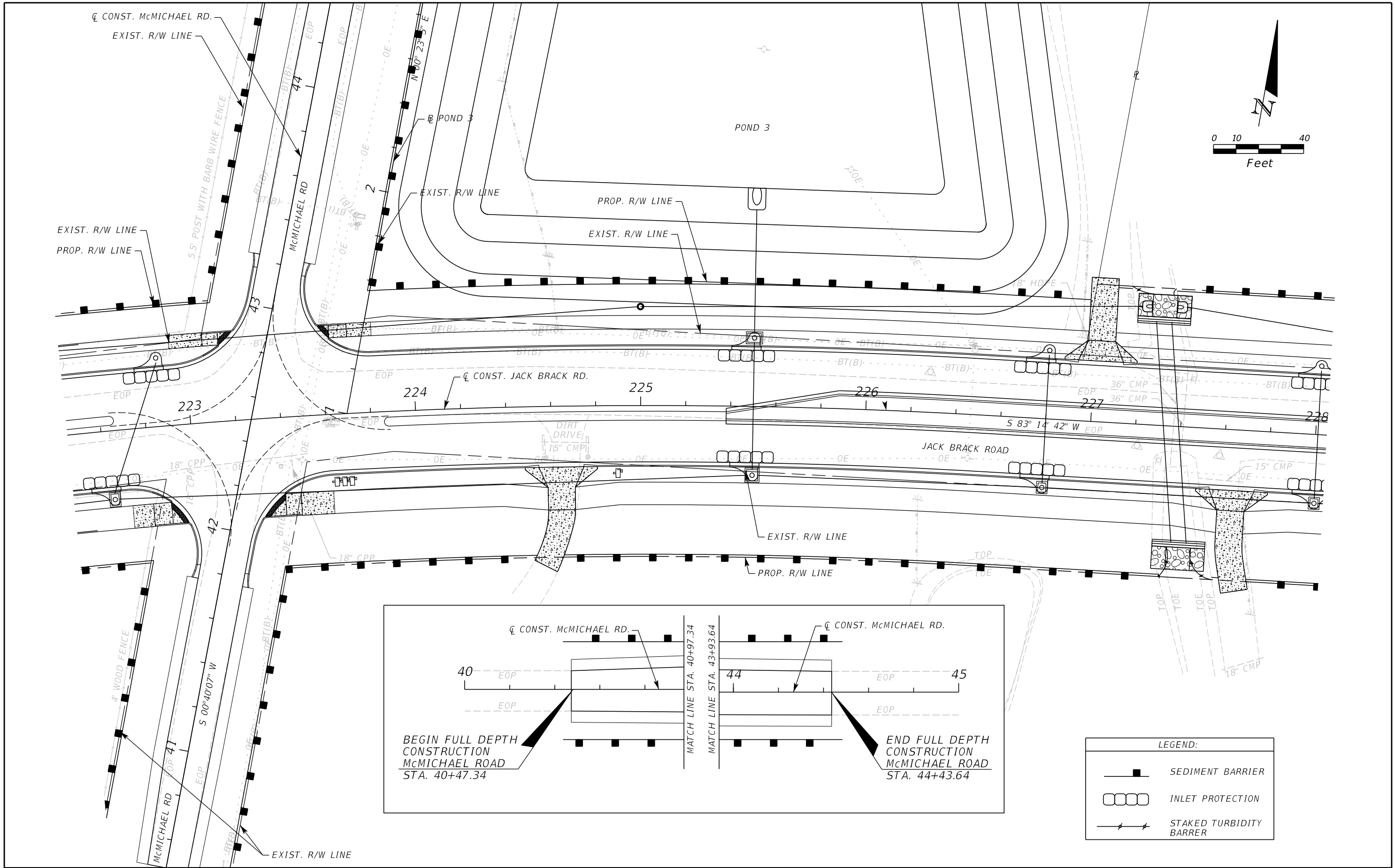


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LEGEND:

	SEDIMENT BARRIER
	INLET PROTECTION
	STAKED TURBIDITY BARRIER

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

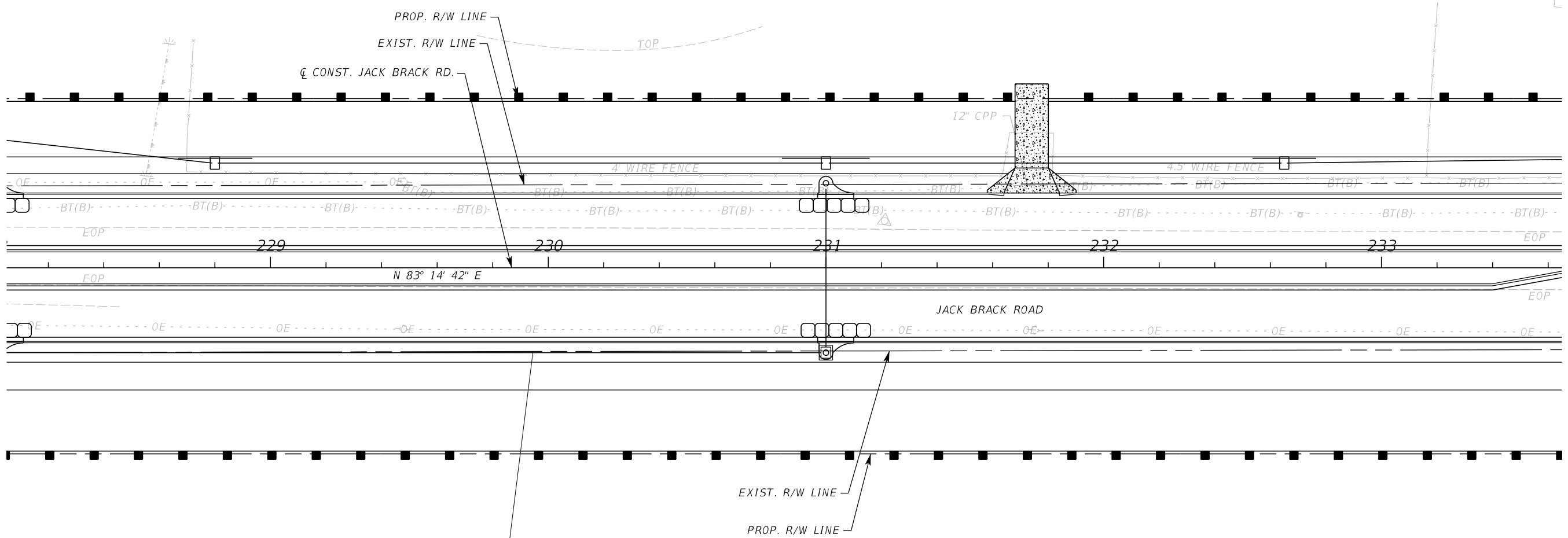
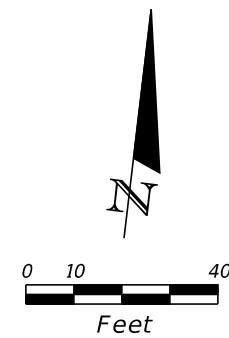
ENGINEER OF RECORD
 Zachary K. Evans, PE
 PE No. 80498
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

EROSION CONTROL PLAN

SHEET NO.
403

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LEGEND:	
	SEDIMENT BARRIER
	INLET PROTECTION

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

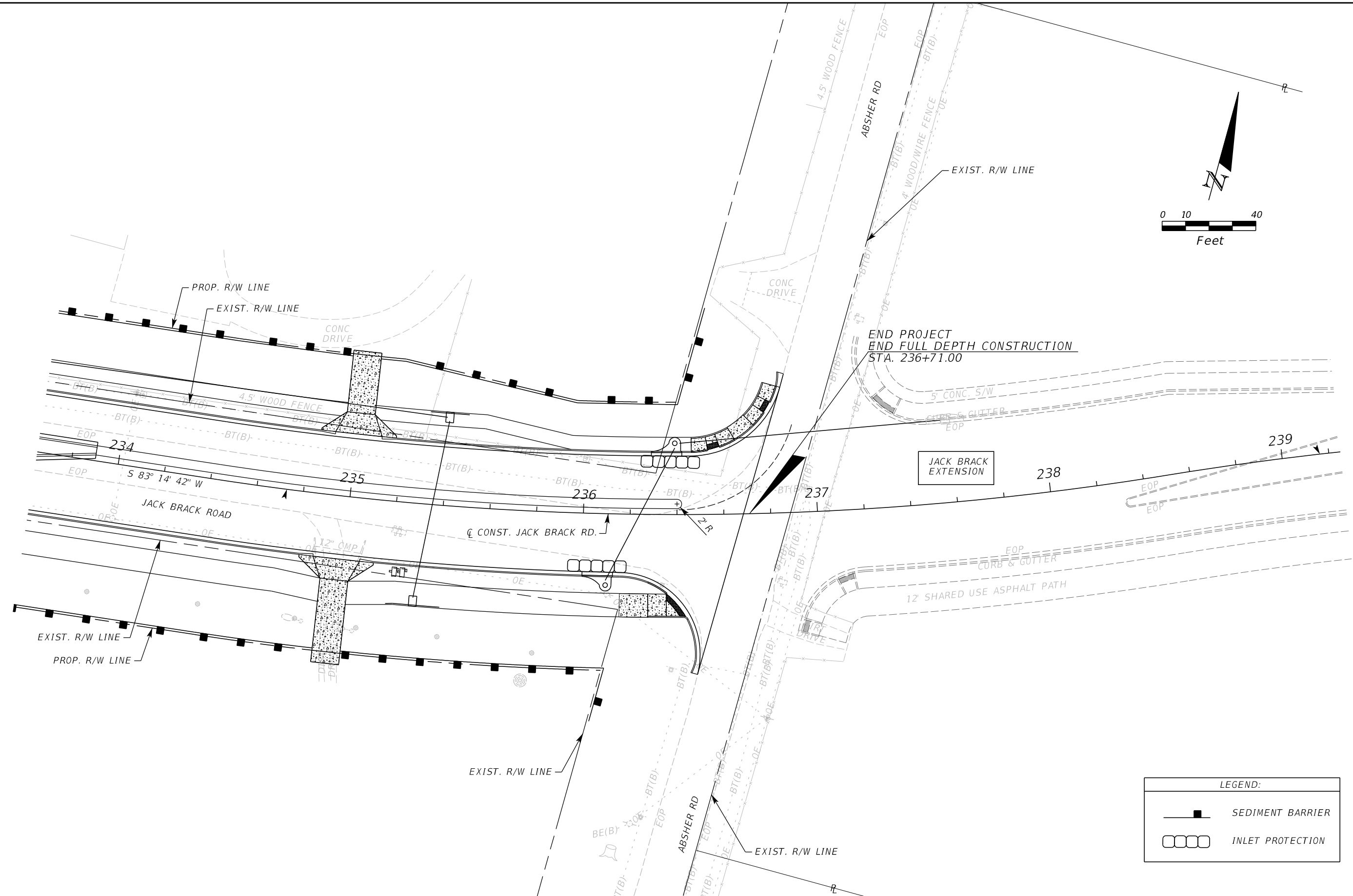
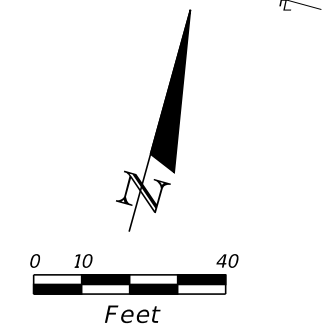
ENGINEER OF RECORD
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EROSION CONTROL PLAN

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LEGEND:	
	SEDIMENT BARRIER
	INLET PROTECTION

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EROSION CONTROL PLAN

SHEET
NO.
405

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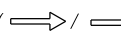


TTCP GENERAL NOTES


1. THE REGULATORY SPEED LIMIT FOR JACK BRACK ROAD DURING CONSTRUCTION IS 35 MPH.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, TEN (10) WORKING DAYS IN ADVANCE OF ANY PROPOSED LANE CLOSURE OR SIGNIFICANT DISRUPTION TO NORMAL TRAFFIC FLOW.
3. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) WILL BE REQUIRED FOR ALL NIGHT WORK AND ALL LANE CLOSURES REQUIRING BI-DIRECTIONAL TRAFFIC. PCMS ARE ALSO REQUIRED 14 DAYS PRIOR TO THE START OF CONSTRUCTION. THEY SHALL ALSO BE PLACED 800' IN ADVANCE OF THE BEGIN LANE CLOSURE TAPER.

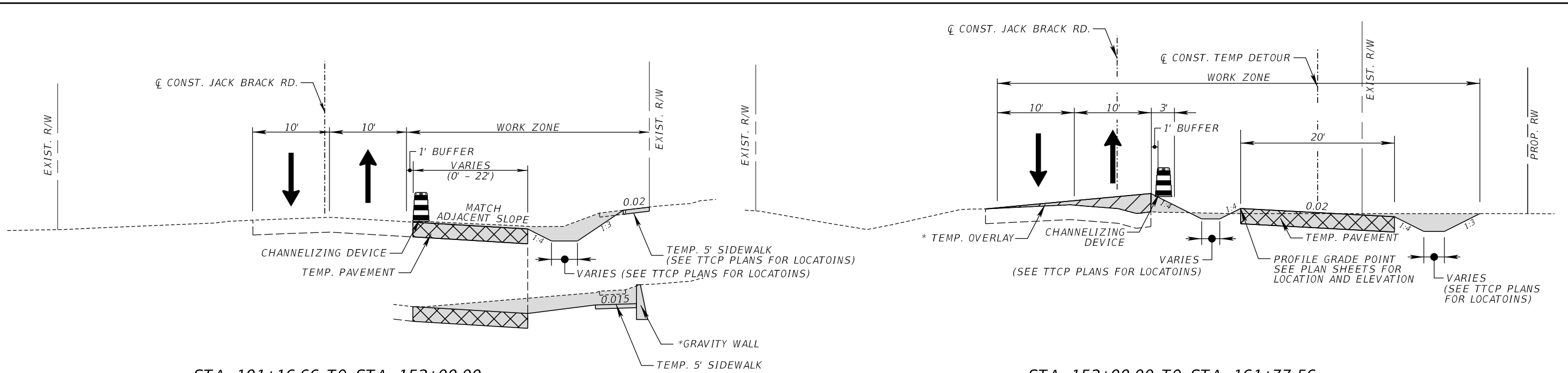
14 DAYS PRIOR TO CONSTRUCTION THE PCMS SHALL READ:

CONST
BEGINS
MM/DD

14 DAYS IN ADVANCE OF LANE CLOSURE THE PCMS SIGN SHALL READ:
LANE CLOSURE MM/DD

DURING CLOSURE THE PCMS SIGN SHALL READ:
PART 1- CAUTION
PART 2- LANE CLOSED AHEAD
4. NO LANE CLOSURES BETWEEN THE HOURS 6:00 AM TO 9:30 AM AND 3:00 PM TO 6:00 PM ON MONDAY, TUESDAY, THURSDAY, AND FRIDAY.
NO LANE CLOSURES BETWEEN THE HOURS 6:00 AM TO 9:30 AM AND 1:00 PM TO 6:00 PM ON WEDNESDAYS.
LANE CLOSURES CAN ONLY OCCUR DURING ACTIVE WORK PERIODS, ONE LANE MUST REMAIN OPEN AT ALL TIMES.
LANE CLOSURES ARE NOT PERMITTED AT ANY TIME SATURDAY AND SUNDAY.
5. STRAIGHT ARROWS ( / ) SHOWN IN THE PLANS INDICATE DIRECTION OF VEHICULAR TRAFFIC ONLY.
TURN ARROWS () REPRESENT PAVEMENT MARKINGS.
6. CONDUCT CONSTRUCTION OPERATIONS SO AS TO PROVIDE THE LEAST POSSIBLE INTERFERENCE TO TRAFFIC AND TO PERMIT THE CONTINUOUS MOVEMENT OF TRAFFIC IN ALL ALLOWABLE DIRECTIONS AT ALL TIMES OR AS ABUTTING PROPERTY, PUBLIC ROADS, AND STREET CROSSINGS EXCEPT AS OTHERWISE SHOWN ON THE SEQUENCE OF CONSTRUCTION THE CONTRACTOR WILL MAINTAIN AT ALL TIMES TWO-WAY TRAFFIC OR A MINIMUM OF ONE LANE USING TEMPORARY TRAFFIC CONTROL.
7. MAINTAIN ALL EXISTING DRAINAGE CONDITIONS DURING ALL CONSTRUCTION PHASES UNTIL THE PERMANENT DRAINAGE FACILITIES ARE CONSTRUCTED AND READY TO USE. HANDLE EXCAVATED AND STOCKPILED MATERIAL IN SUCH A WAY THAT IT DOES NOT BLOCK DRAINAGE.
8. REGULATE ALL CONSTRUCTION TRAFFIC TO MINIMIZE INCONVENIENCE TO THE TRAVELING PUBLIC. AT THE TIMES WHEN IT IS NECESSARY FOR TRUCKS TO STOP, UNLOAD OR CROSS ROADWAYS UNDER TRAFFIC, PROVIDE WARNING SIGNS AND FLAGGERS (INDEX 102-603) AS NEEDED TO ADEQUATELY PROTECT THE TRAVELING PUBLIC.
9. RESTORE EXISTING DROP OFF CONDITIONS FOR INACTIVE WORK ZONES PER FDOT INDEX 102-600 SHEET 8 OF 11.
10. MAINTAIN ACCESS TO ALL DRIVWAYS AND SIDE STREETS AT ALL TIMES, ACCESS SLOPES TO BE AS FLAT AS POSSIBLE, BUT NOT STEEPER THAN 1:4.

REVISIONS			JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	 OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION					406

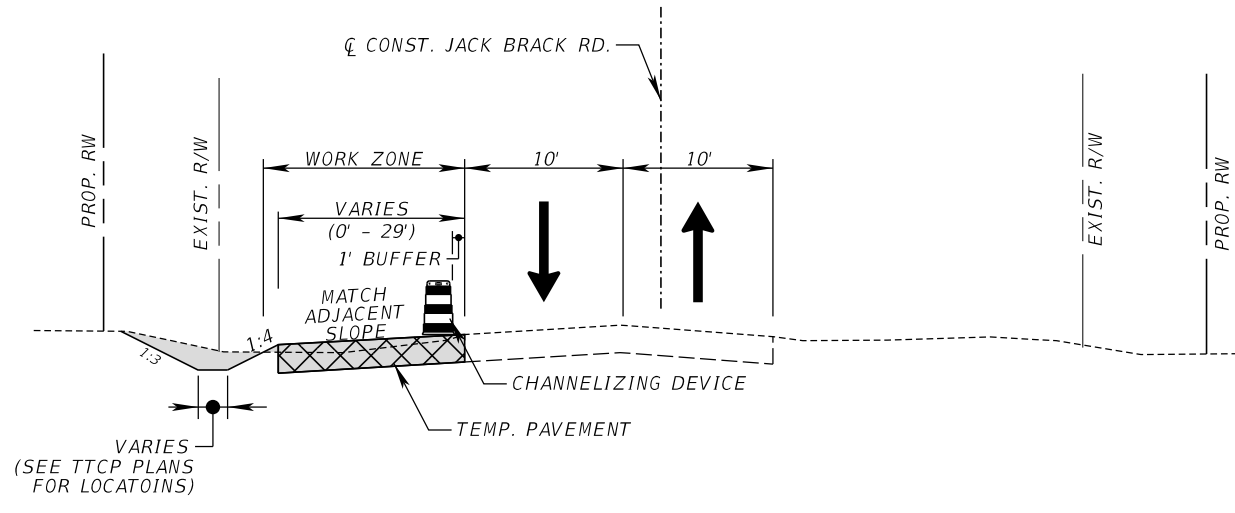


STA. 101+16.66 TO STA. 152+00.00
ACTUAL STATION 133+50.00

* GRAVITY WALL WITH TEMP. SIDEWALK (STA. 101+49.29 TO STA. 104+14.90) TO BE CONSTRUCTED BEFORE TEMP. PAVEMENT
NOTE: THERE IS NO CONSTRUCTION DURING THIS PHASE BETWEEN STA 104+32.48 TO STA 115+11.74, MAINTAIN TRAFFIC ON EXISTING PAVEMENT AS SHOWN IN THE PLANS.

STA. 152+00.00 TO STA. 161+77.56
ACTUAL STATION 157+00.00

* CONSTRUCT TEMPORARY OVERLAY DURING ALLOWABLE LANE CLOSURES PER INDEX 102-603 FOR STA 156+79.68 TO STA 159+34.81
NOTE: THERE IS NO CONSTRUCTION DURING THIS PHASE BETWEEN STA 161+77.56 TO STA 165+66.90, MAINTAIN TRAFFIC ON EXISTING PAVEMENT AS SHOWN IN THE PLANS.



STA. 165+66.90 TO STA. 236+68.40
ACTUAL STATION 183+00.00

PHASE 1A

1. MAINTAIN TWO-LANE, TWO-WAY TRAFFIC ON THE EXISTING PAVEMENT.
2. CONSTRUCT TEMPORARY PAVEMENT PER THE PHASE 1A PLANS.
3. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

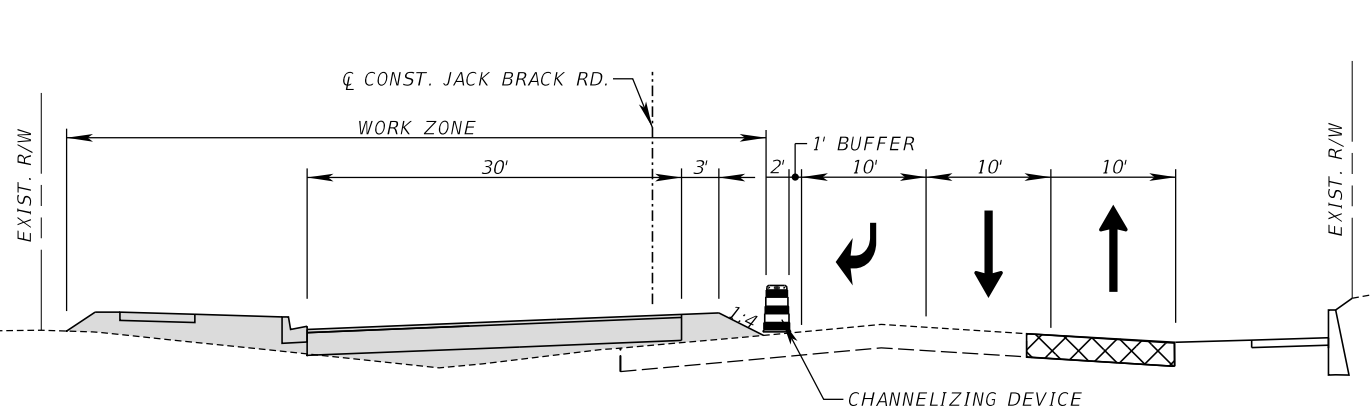
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
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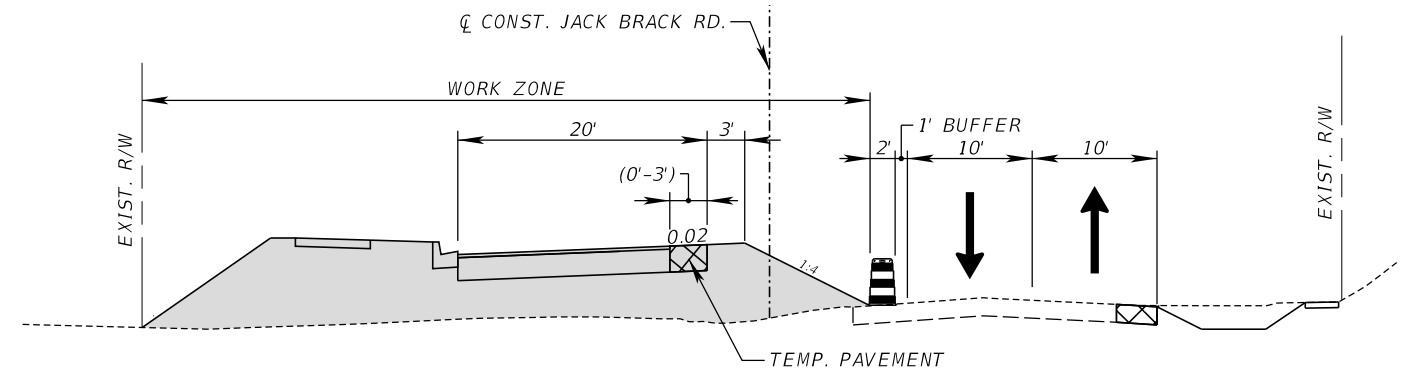
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
407

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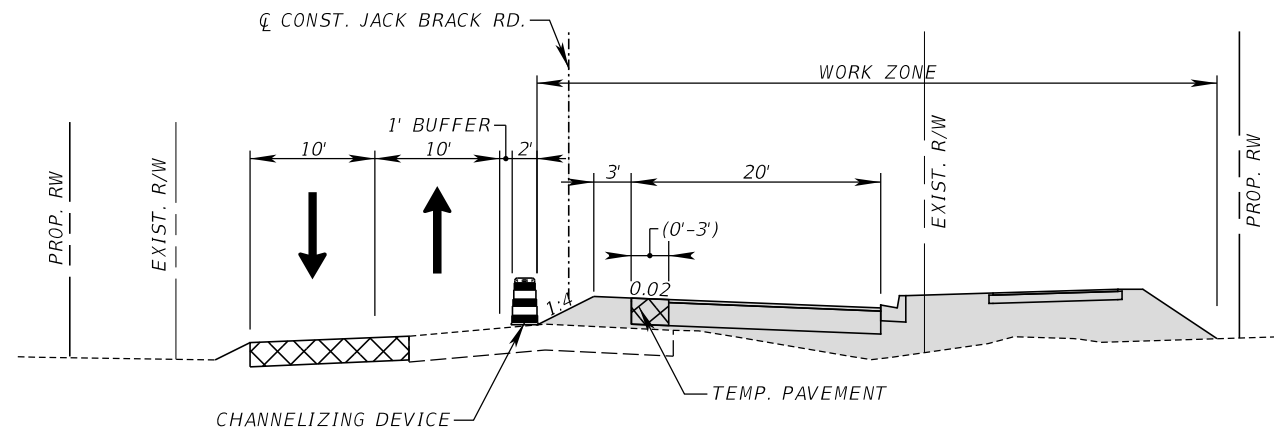


STA. 101+16.66 TO STA. 104+00.00
ACTUAL STATION 103+00.00



STA. 104+00.00 TO STA. 146+00.00
ACTUAL STATION 119+50.00

NOTE: THERE IS NO CONSTRUCTION DURING THIS PHASE BETWEEN STA 146+00.00 TO STA 161+77.56, MAINTAIN TRAFFIC ON EXISTING AND TEMP. PAVEMENT AS SHOWN IN THE PLANS.



STA. 161+77.56 TO STA. 236+68.40
ACTUAL STATION 189+00.00

PHASE I

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT & TEMPORARY PAVEMENT.
2. CONSTRUCT DRAINAGE PONDS, TRUNKLINE, AND INLETS AS SHOWN.
3. CONSTRUCT THE NEW WESTBOUND LANES EXCLUDING FRICTION COURSE.
4. CONSTRUCT TEMPORARY PAVEMENT AS SHOWN PER PHASING I PLANS.
5. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

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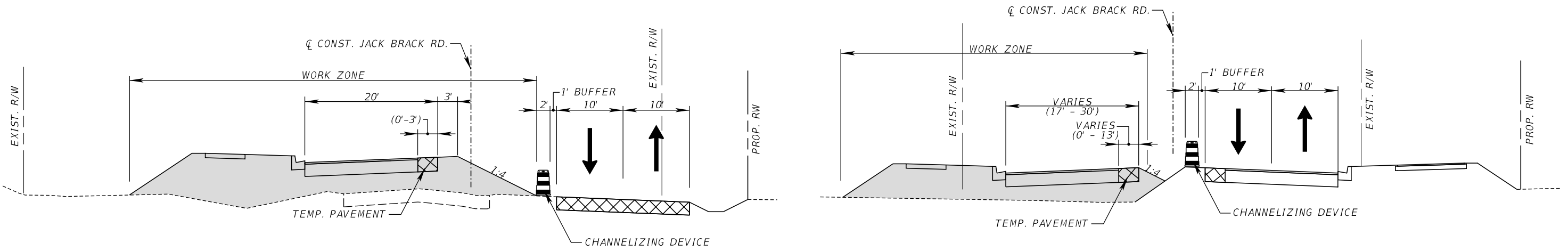
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
408

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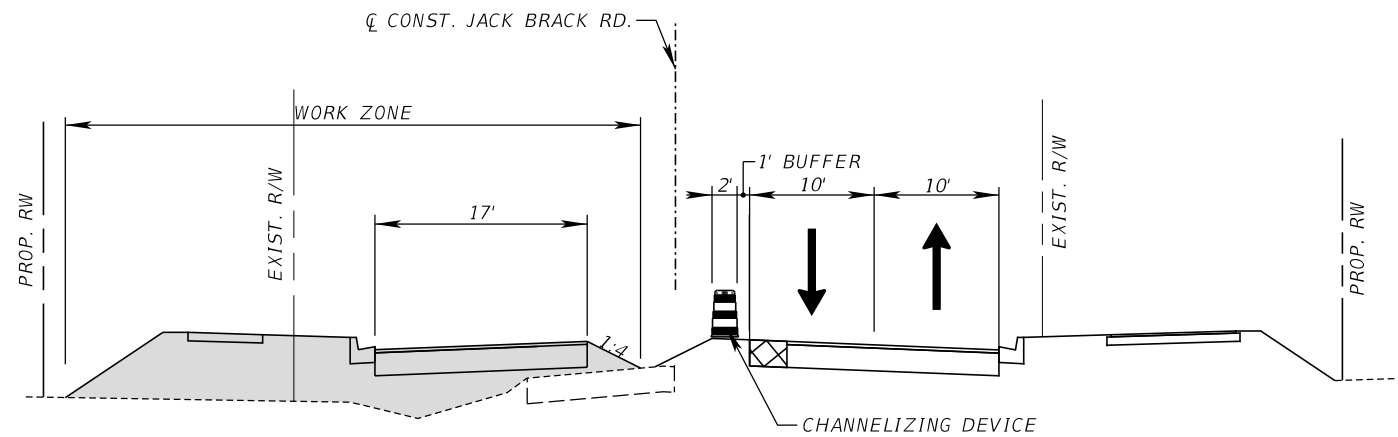
STA. 101+16.66 TO STA. 153+00.68

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT & TEMPORARY PAVEMENT AS SHOWN IN PHASE I.



STA. 153+00.68 TO STA. 161+77.56
ACTUAL STATION 155+00.00

STA. 161+77.56 TO STA. 169+37.43
ACTUAL STATION 161+50.00



STA. 169+37.43 TO STA. 236+68.40
ACTUAL STATION 189+00.00

PHASE II

1. MAINTAIN TRAFFIC ON ON THE NEWLY CONSTRUCTED LANES AS SHOWN.
2. CONSTRUCT THE NEW WESTBOUND LANES EXCLUDING FRICTION COURSE.
3. CONSTRUCT TEMPORARY PAVEMENT PER PHASING II PLANS.
4. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD

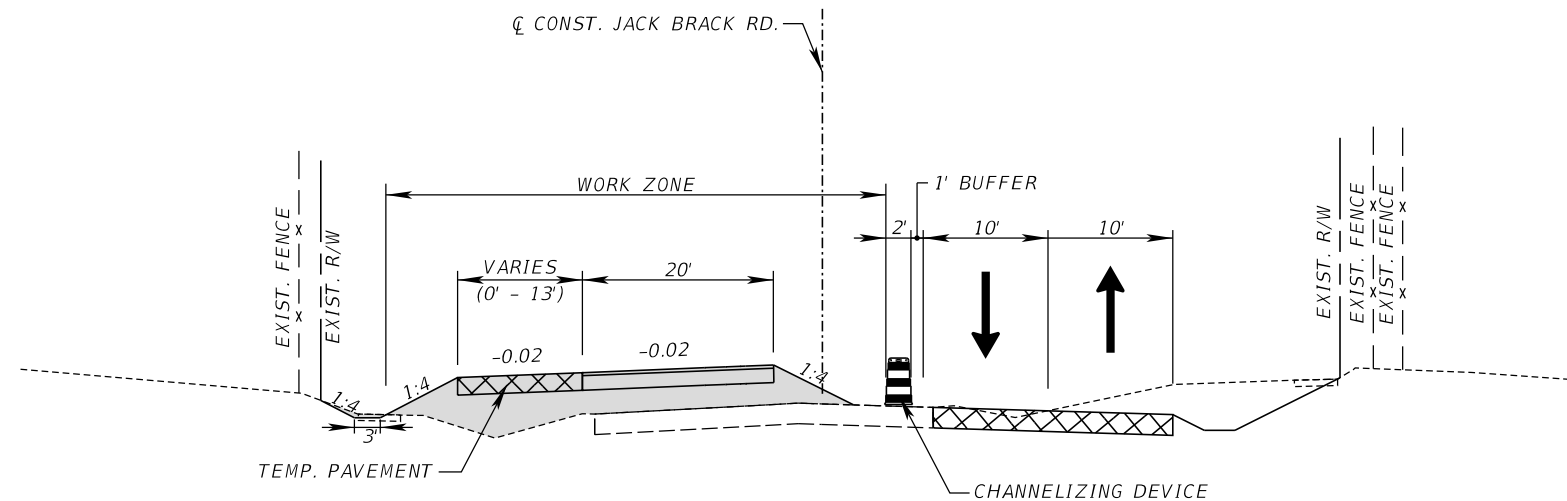
Kevin Joseph Iannarone, PE
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
409



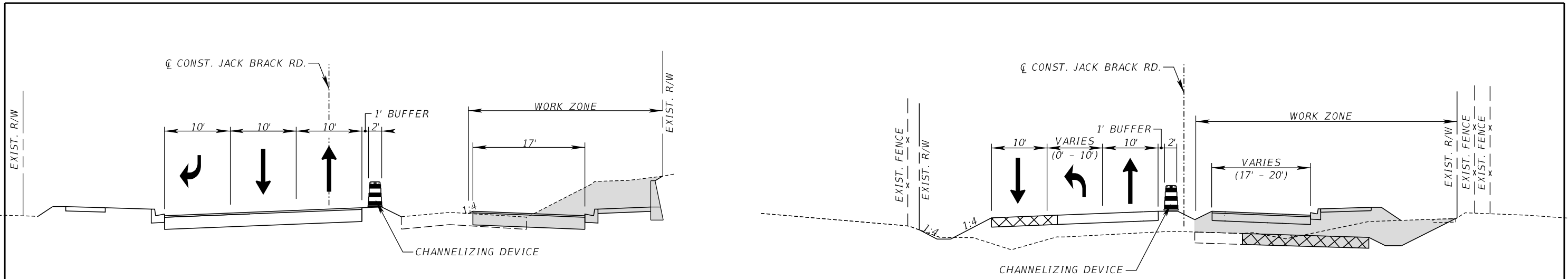
PHASE IIIA

1. MAINTAIN TRAFFIC ON THE TEMPORARY PAVEMENT.
2. CLOSE LEFT TURN LANE INTO ZUNI RD.
3. CONSTRUCT DRAINAGE TRUNKLINE, AND TEMP. INLET CAPS AS SHOW.
4. CONSTRUCT TEMPORARY PAVEMENT AS SHOWN PER PHASING IIIA PLANS.
5. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

STA. 146+00.00 TO STA. 153+00.68
 ACTUAL STATION 150+00.00

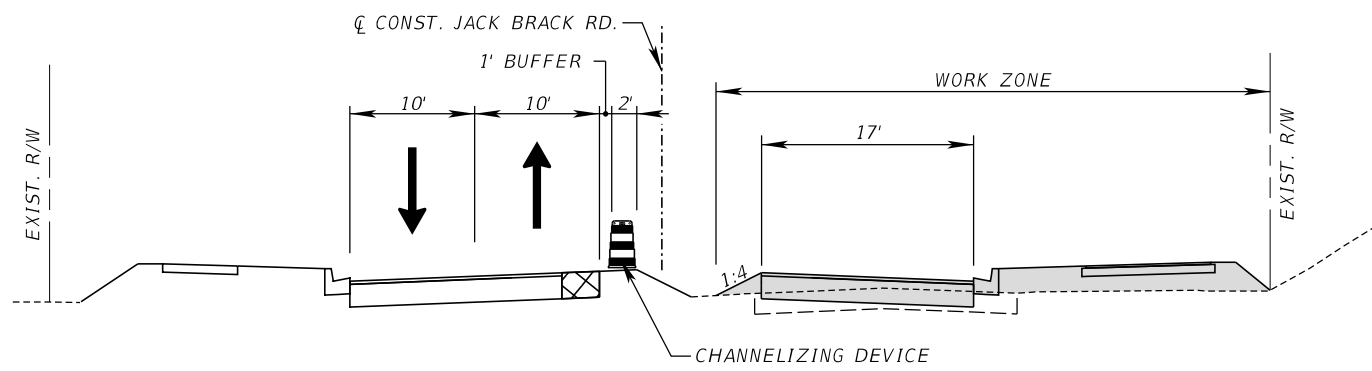
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DATE	BY	DESCRIPTION					410



STA. 101+16.66 TO STA. 104+00.00
ACTUAL STATION 103+00.00

STA. 146+00.00 TO STA. 153+00.68
ACTUAL STATION 150+00.00



STA. 104+00.00 TO STA. 146+00.00
STA. 153+00.68 TO STA. 161+77.56
ACTUAL STATION 108+50.00

STA. 161+77.56 TO STA. 168+06.63

1. MAINTAIN TRAFFIC ON THE NEWLY CONSTRUCTED LANES & TEMPORARY PAVEMENT AS SHOWN ON PHASE III PLANS.

STA. 168+06.63 TO STA. 236+68.40

1. TRANSITION EB DIRECTION LANE ON THE NEWLY CONSTRUCTED EASTBOUND LANE AS SHOWN IN PHASE III PLANS.
2. MAINTAIN TRAFFIC ON THE NEWLY CONSTRUCTED WESTBOUND & EASTBOUND LANES.

PHASE III

1. MAINTAIN TRAFFIC ON THE NEWLY CONSTRUCTED LANES & TEMPORARY PAVEMENT AS SHOWN.
2. CONSTRUCT THE NEW EASTBOUND LANES EXCLUDING FRICTION COURSE.
3. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

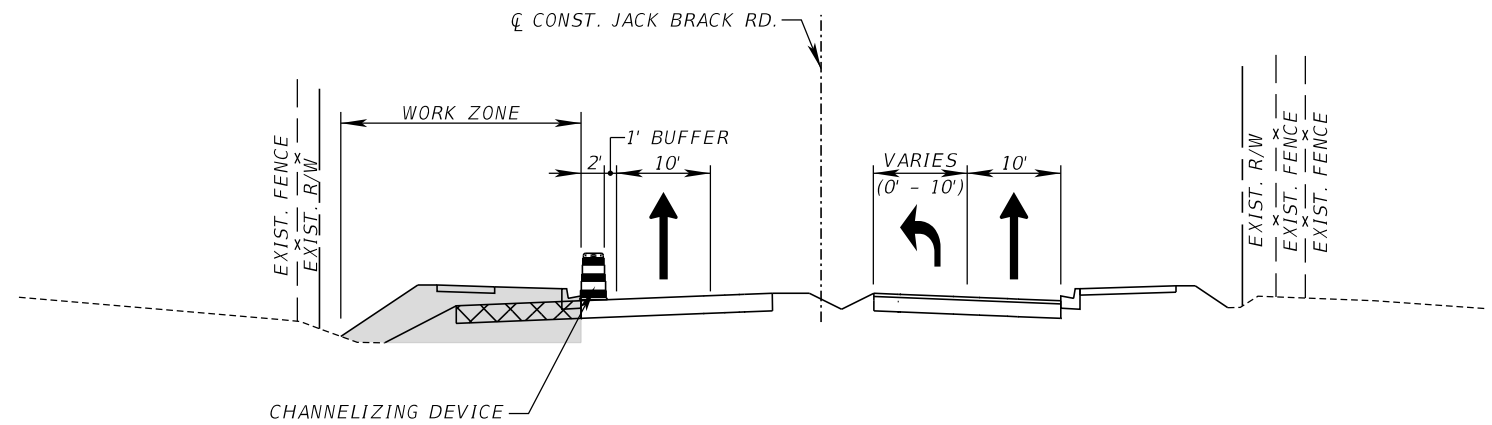
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
411

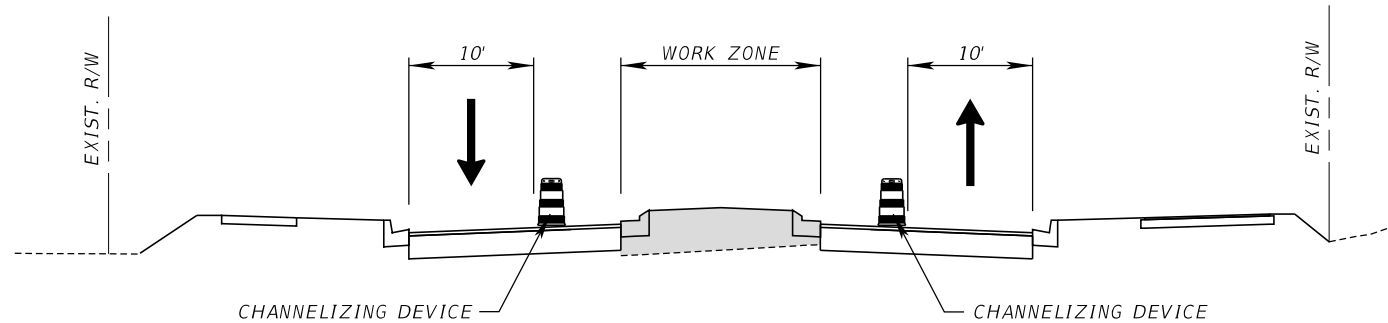
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PHASE IVA

1. MAINTAIN TRAFFIC ON ON THE NEWLY CONSTRUCTED LANES AS SHOWN.
2. CONSTRUCT THE REMAINDER WESTBOUND ULTIMATE.
3. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.

STA. 146+00.00 TO STA. 153+00.68
ACTUAL STATION 150+00.00




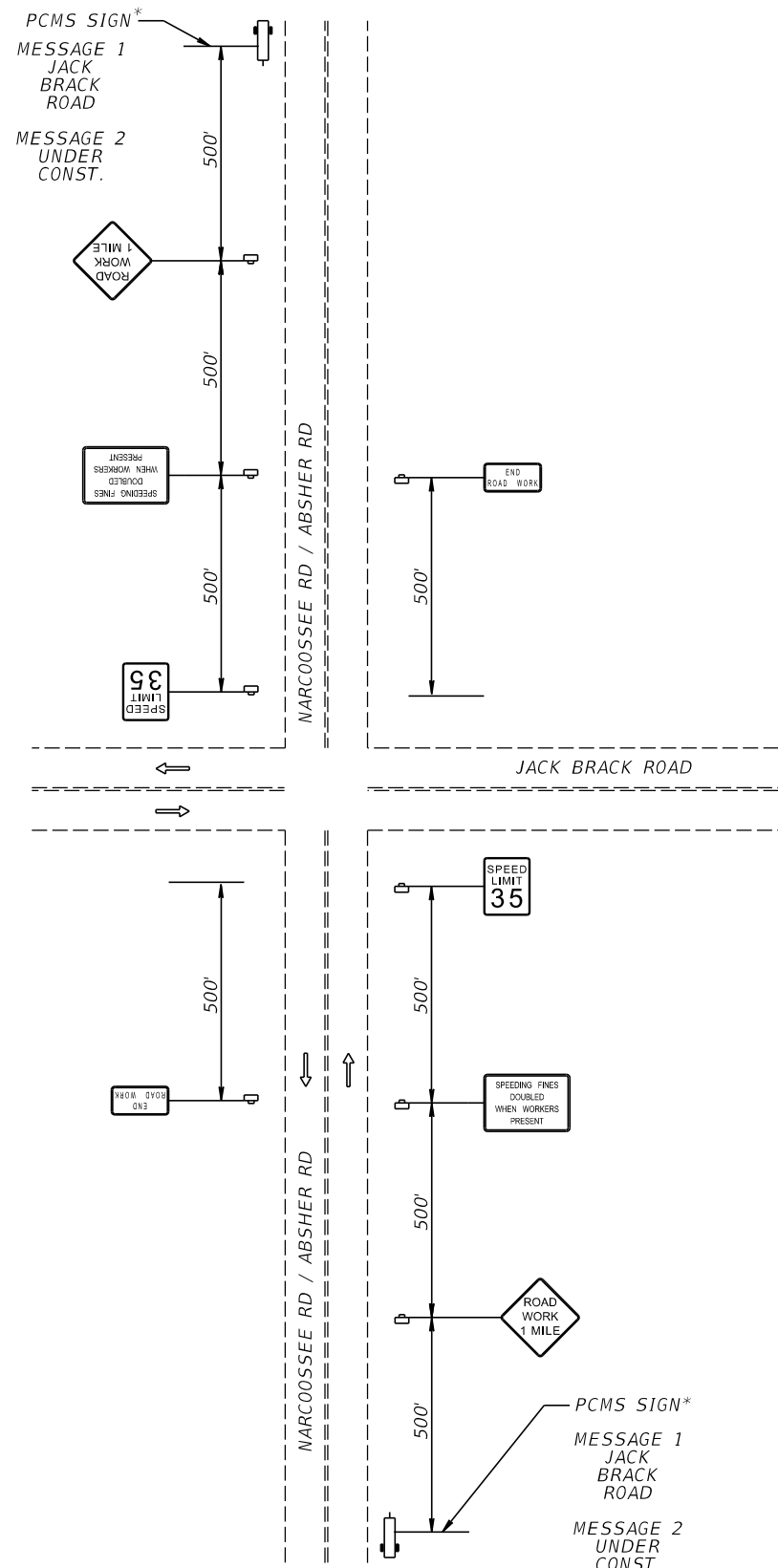
PHASE IV

1. MAINTAIN TRAFFIC ON NEWLY CONSTRUCTED LANES AS SHOWN.
2. CONSTRUCT THE MEDIAN, LEFT TURN LANES, & TRAFFIC SEPARATORS.
3. TRAFFIC SHALL BE CONTROLLED PER INDEX 102-602 & 102-603 DURING ALLOWABLE LANE CLOSURES.
4. PLACE FINAL FRICTION COURSE.
5. PLACE MARKINGS PER FINAL PAVEMENT MARKING PLANS.
6. CONTROL TRAFFIC PER INDEX 102-607.

STA. 101+16.66 TO STA. 236+68.40
ACTUAL STATION 108+50.00

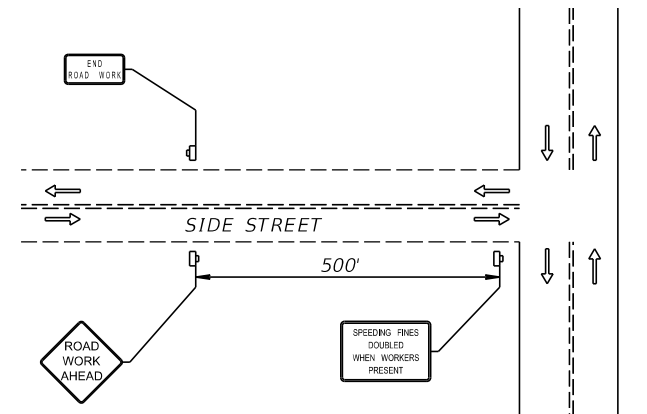
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DATE	BY	DESCRIPTION					412



ADVANCE WARNING DETAIL "A"
N.T.S.

* TO BE PLACED PER TTCP GENERAL NOTE 3



ADVANCE WARNING DETAIL "B"
N.T.S.

SPECIAL DETAILS

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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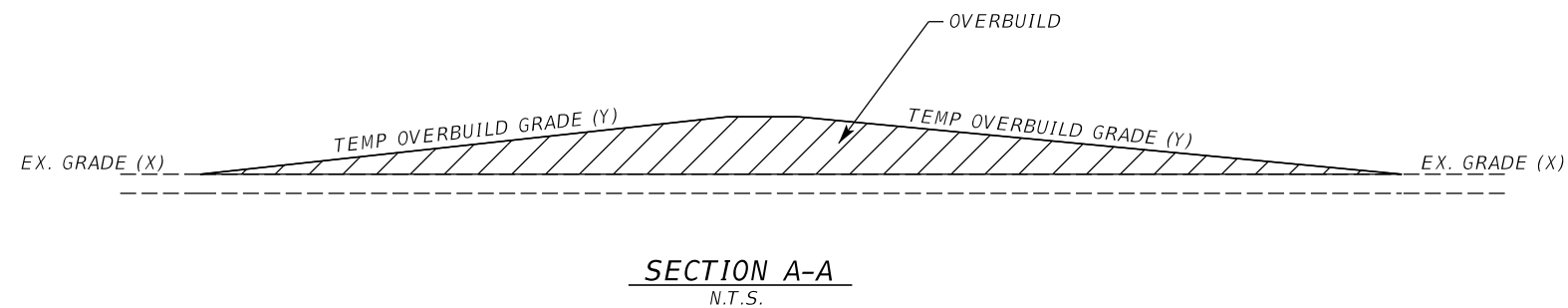
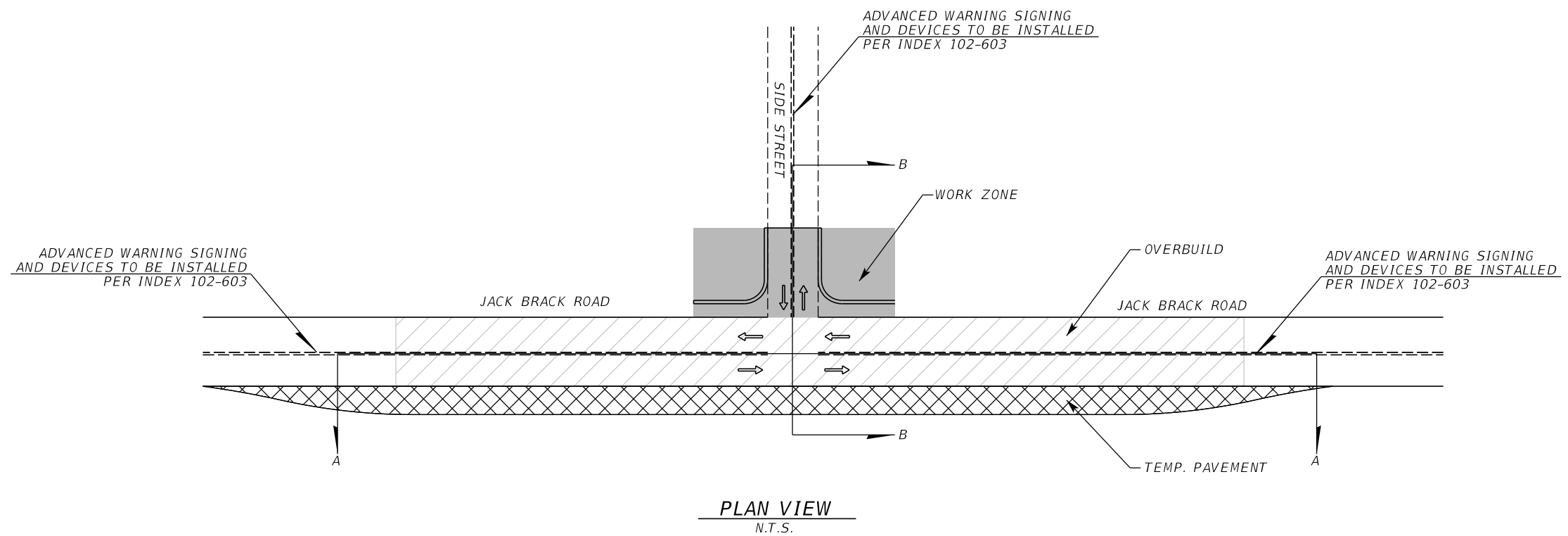


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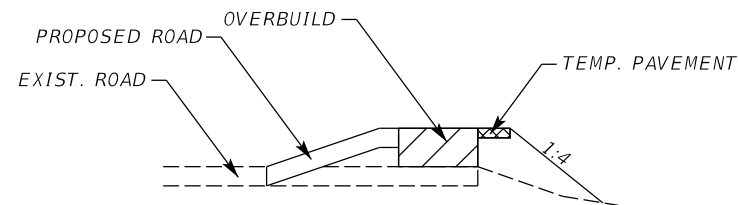
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.

413



NOTE: THE DIFFERENCE IN GRADE (Y-X) SHOULD NOT EXCEED 0.9%



SIDE STREET CONNECTION DETAIL
N.T.S.

SPECIAL DETAILS

REVISIONS		
DATE	BY	DESCRIPTION

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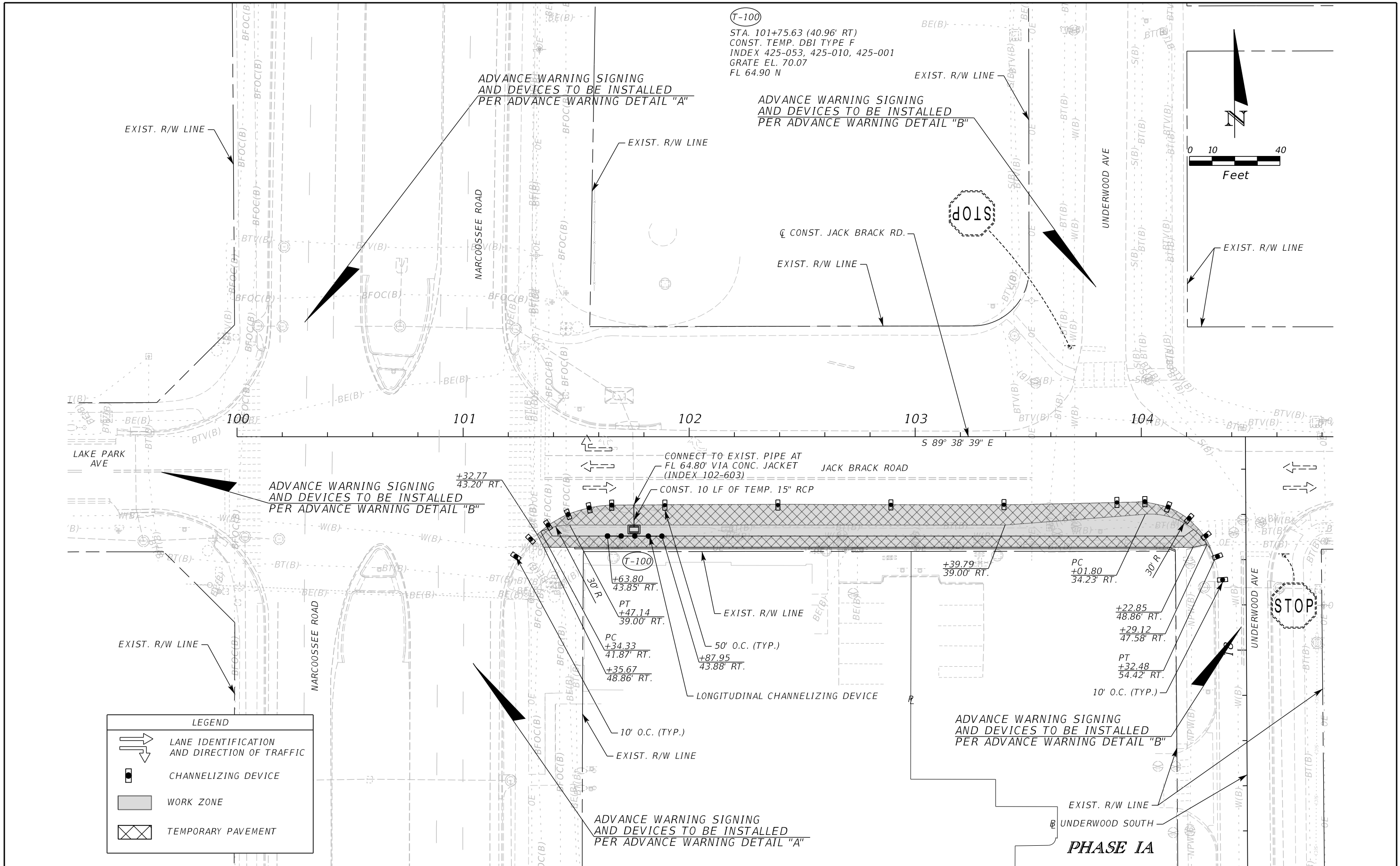


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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.

414



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

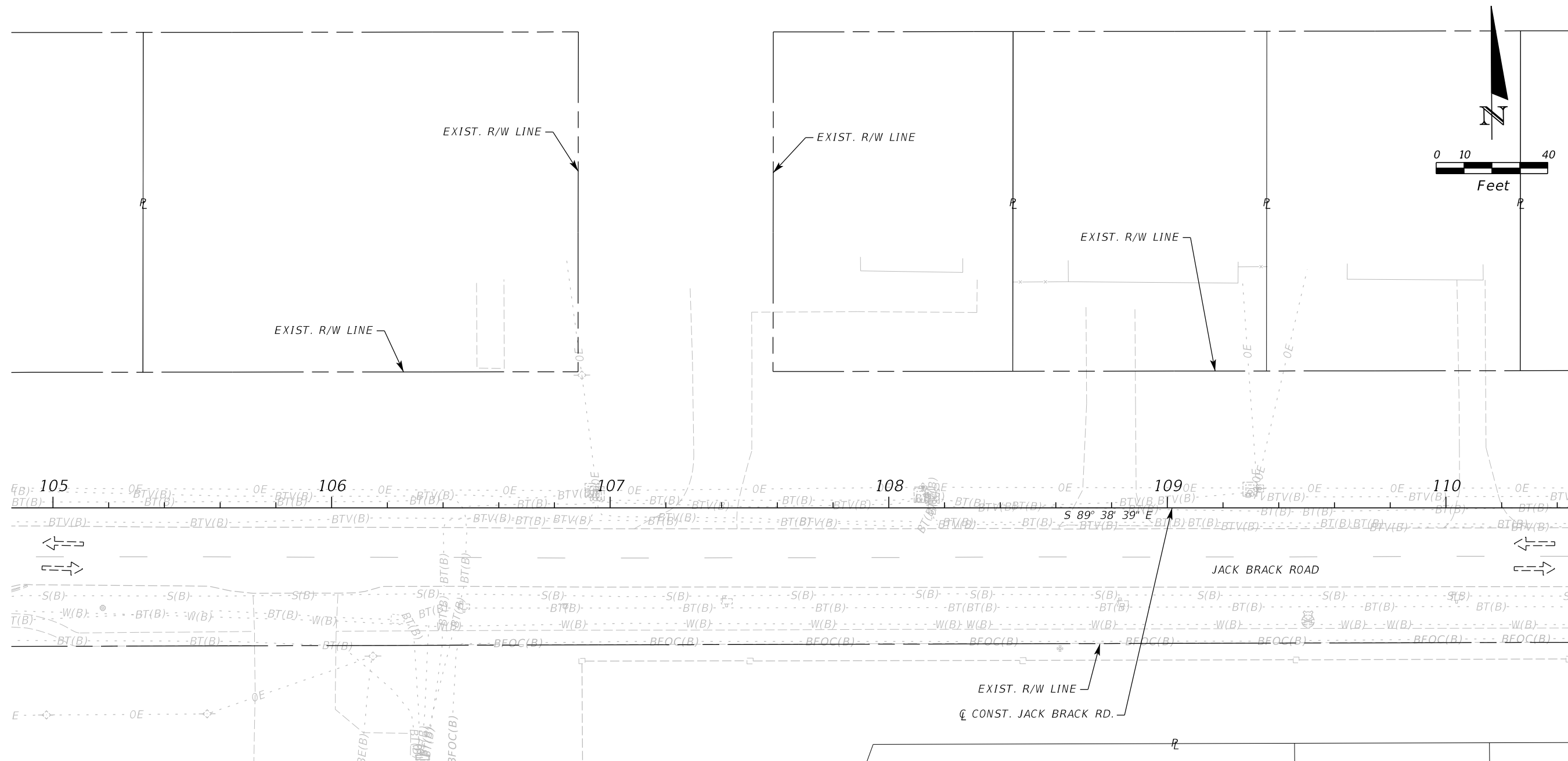
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
415

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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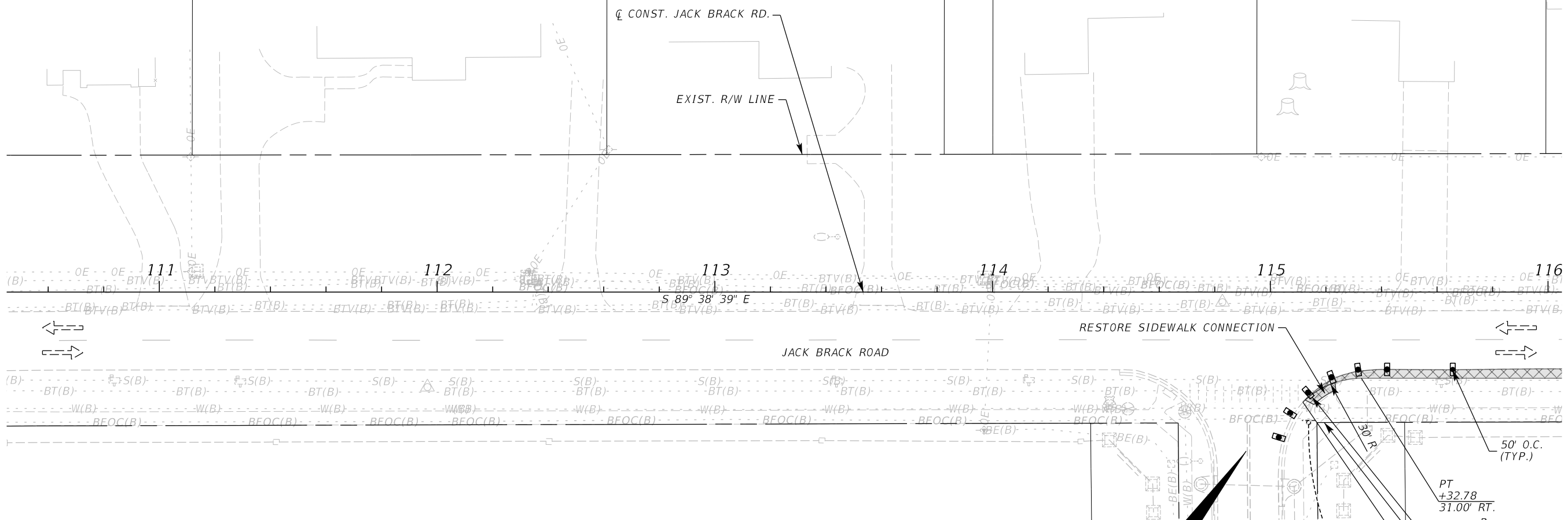
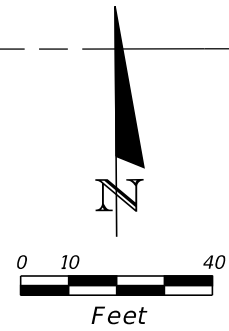


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**TEMPORARY TRAFFIC
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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"



PT
+32.78
31.00' RT.
10' O.C. (TYP.)
EXIST. R/W LINE
PC
+11.74
39.63' RT.

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

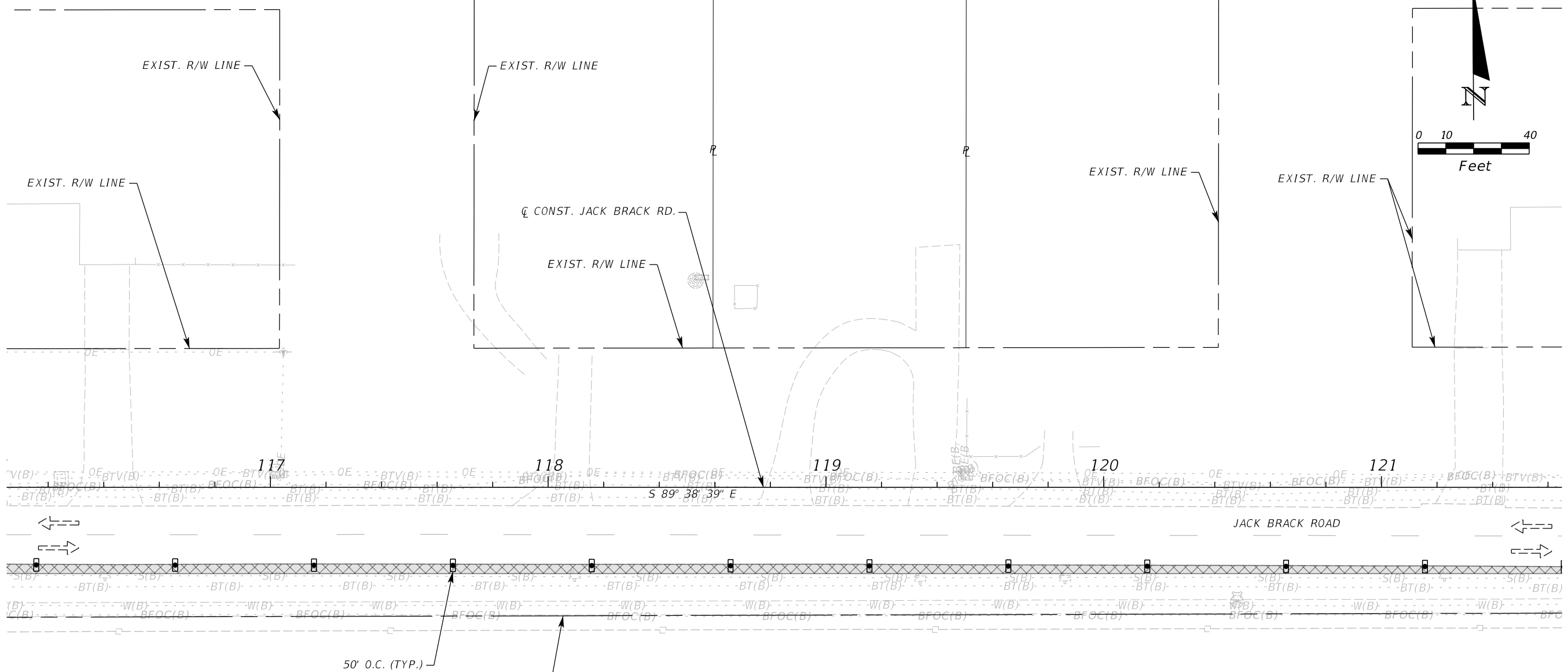
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
417

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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OSCEOLA COUNTY
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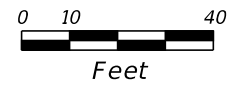
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
418

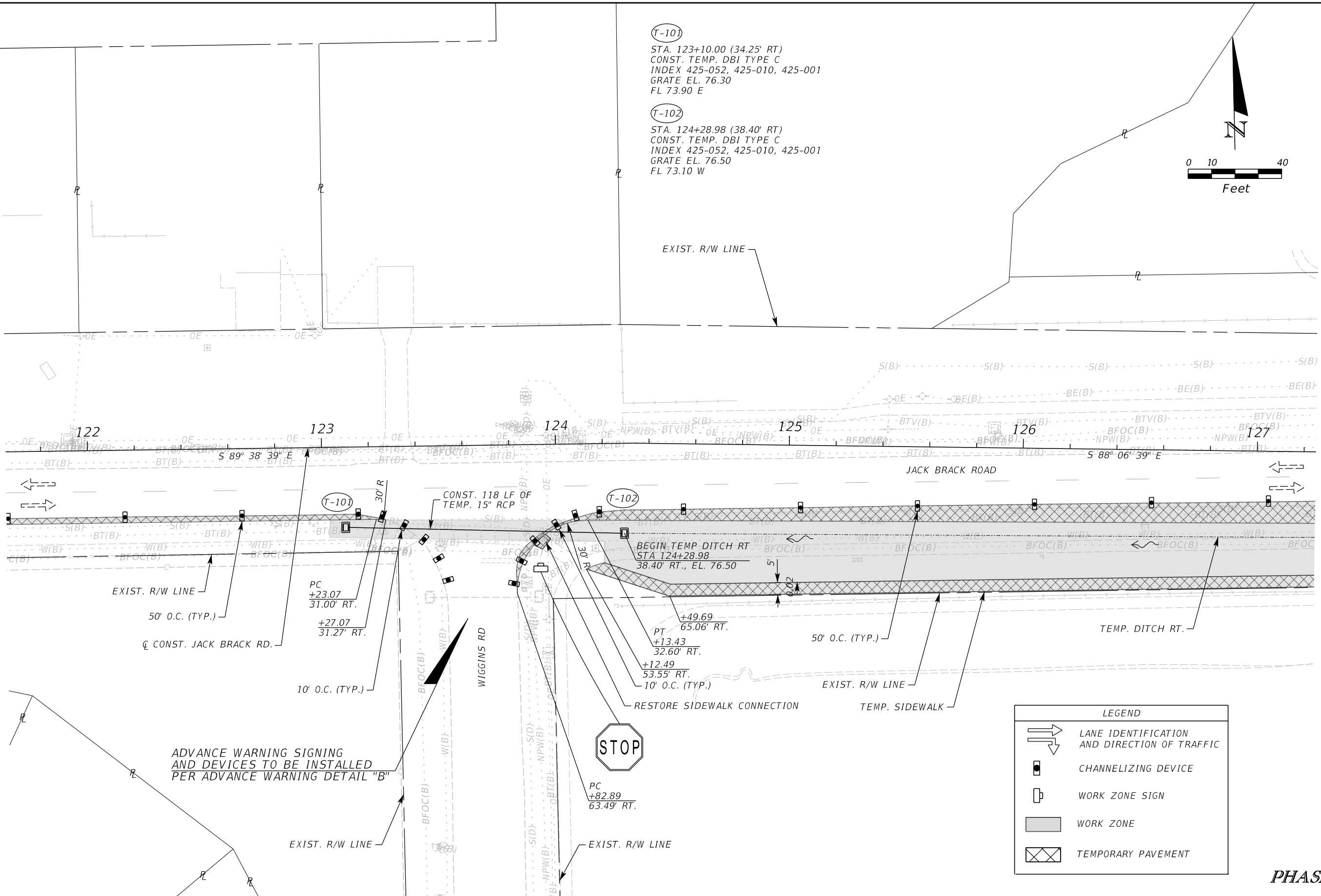
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

(T-101)
 STA. 123+10.00 (34.25' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 76.30
 FL 73.90 E

(T-102)
 STA. 124+28.98 (38.40' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 76.50
 FL 73.10 W



EXIST. R/W LINE



EXIST. R/W LINE
 50' O.C. (TYP.)
 C CONST. JACK BRACK RD.

(T-101)
 PC +23.07
 31.00' RT.
 +27.07
 31.27' RT.
 10' O.C. (TYP.)

(T-102)
 BEGIN TEMP. DITCH RT
 STA 124+28.98
 38.40' RT., EL. 76.50
 +49.69
 65.06' RT.
 +13.43
 32.60' RT.
 +12.49
 53.55' RT.
 10' O.C. (TYP.)



PC +82.89
 63.49' RT.

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE SIGN
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

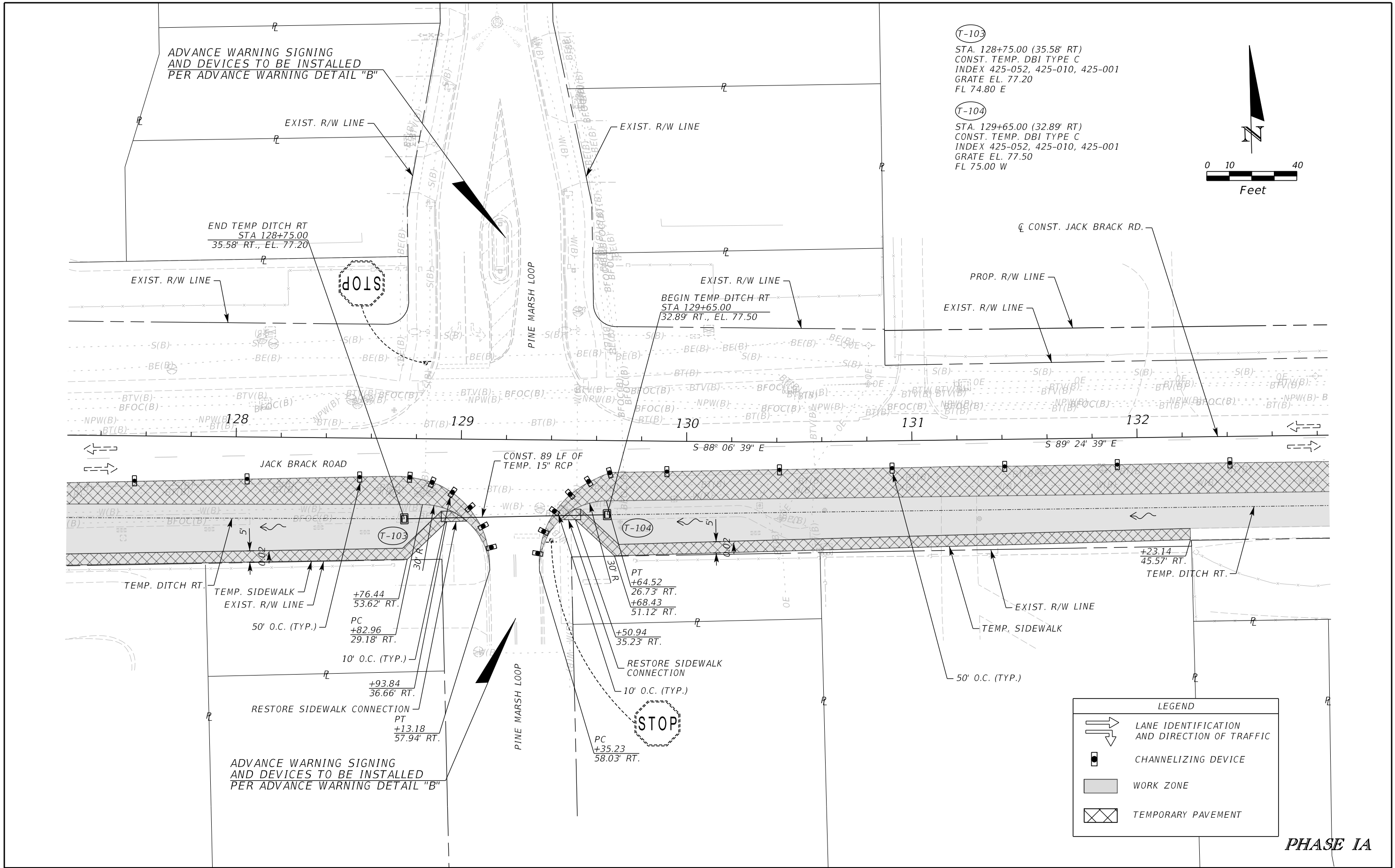
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
 CONTROL PLAN**

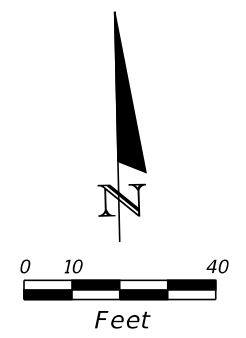
SHEET NO.
419

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



T-103
 STA. 128+75.00 (35.58' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 77.20
 FL 74.80 E

T-104
 STA. 129+65.00 (32.89' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 77.50
 FL 75.00 W



LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

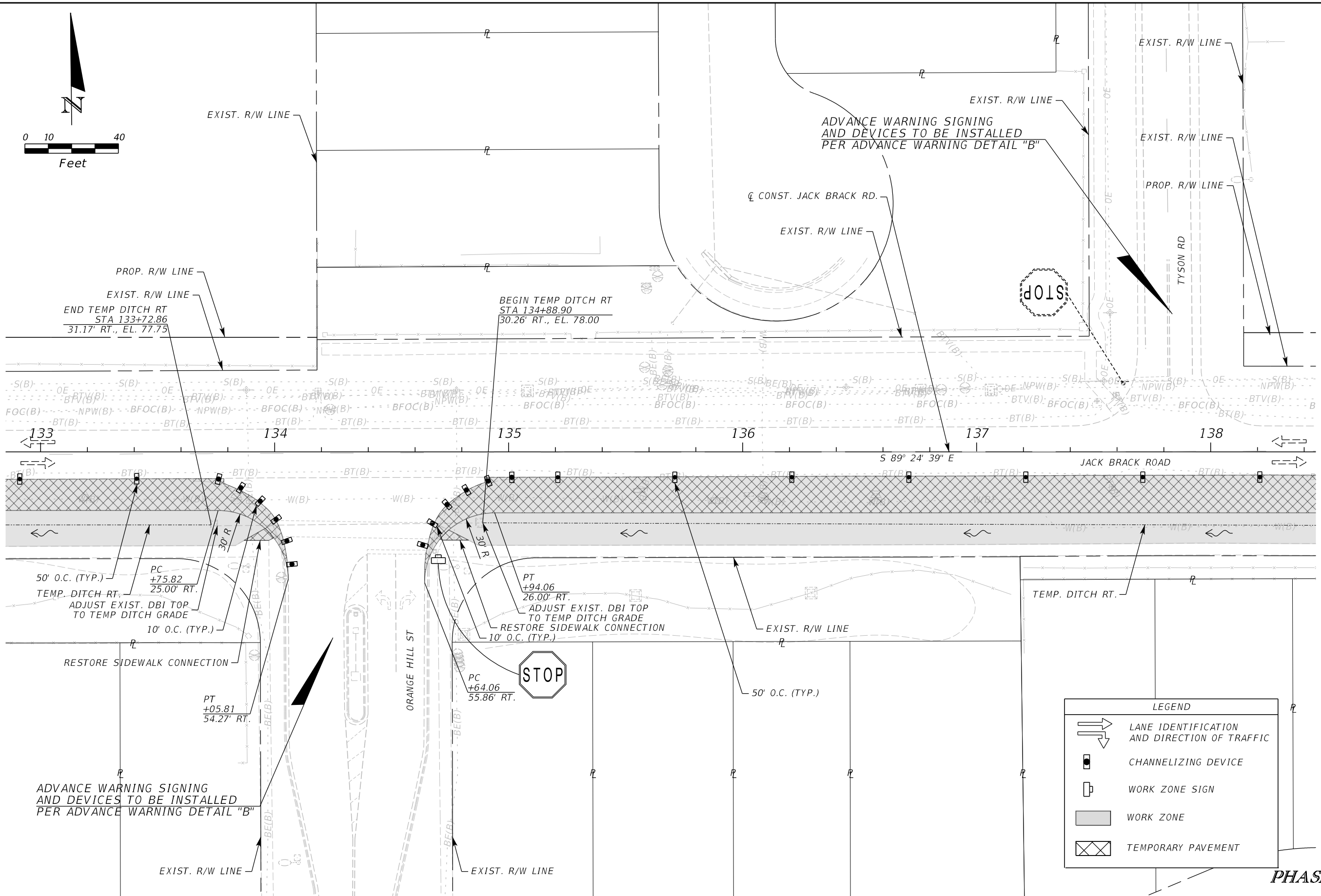
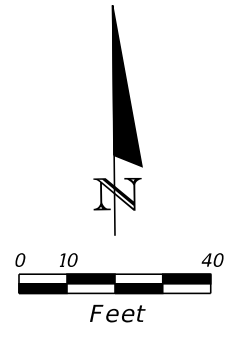
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
 420

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE SIGN
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

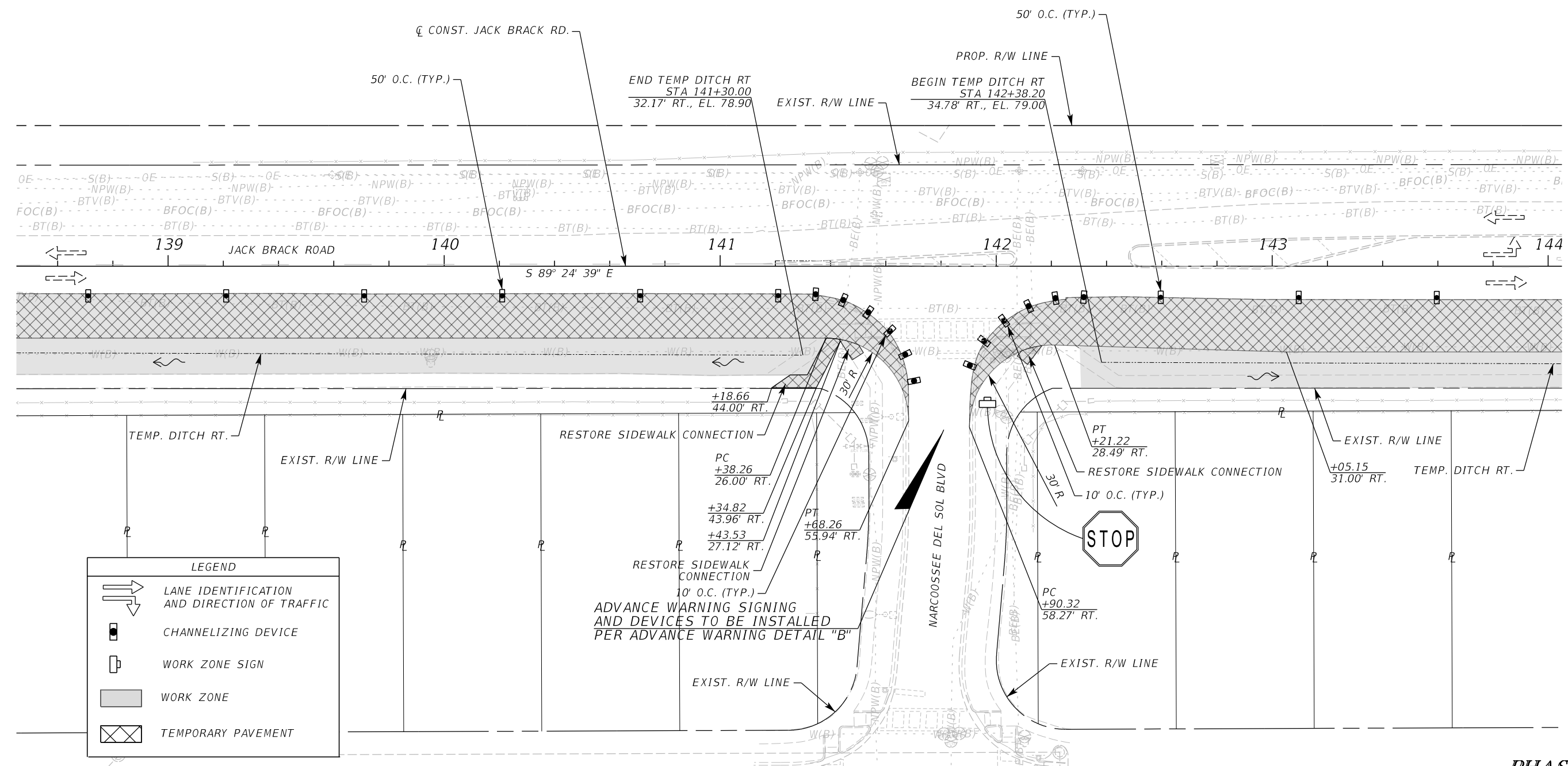
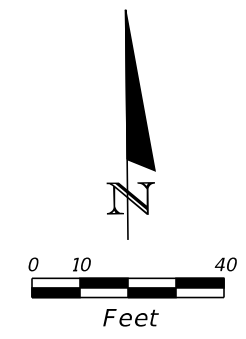
ENGINEER OF RECORD
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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
421

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE SIGN
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

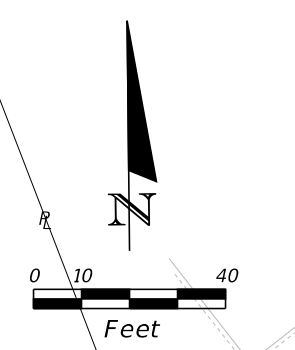
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
422

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

PROP. R/W LINE
EXIST. R/W LINE

EXIST. R/W LINE

CONST. JACK BRACK RD.

EXIST. R/W LINE



BENEVENTO ST



145

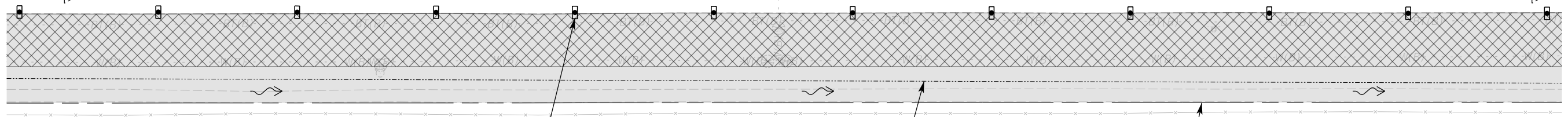
146

147

148

149

S 89° 24' 39" E



50' O.C. (TYP.)

TEMP. DITCH RT.

EXIST. R/W LINE

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

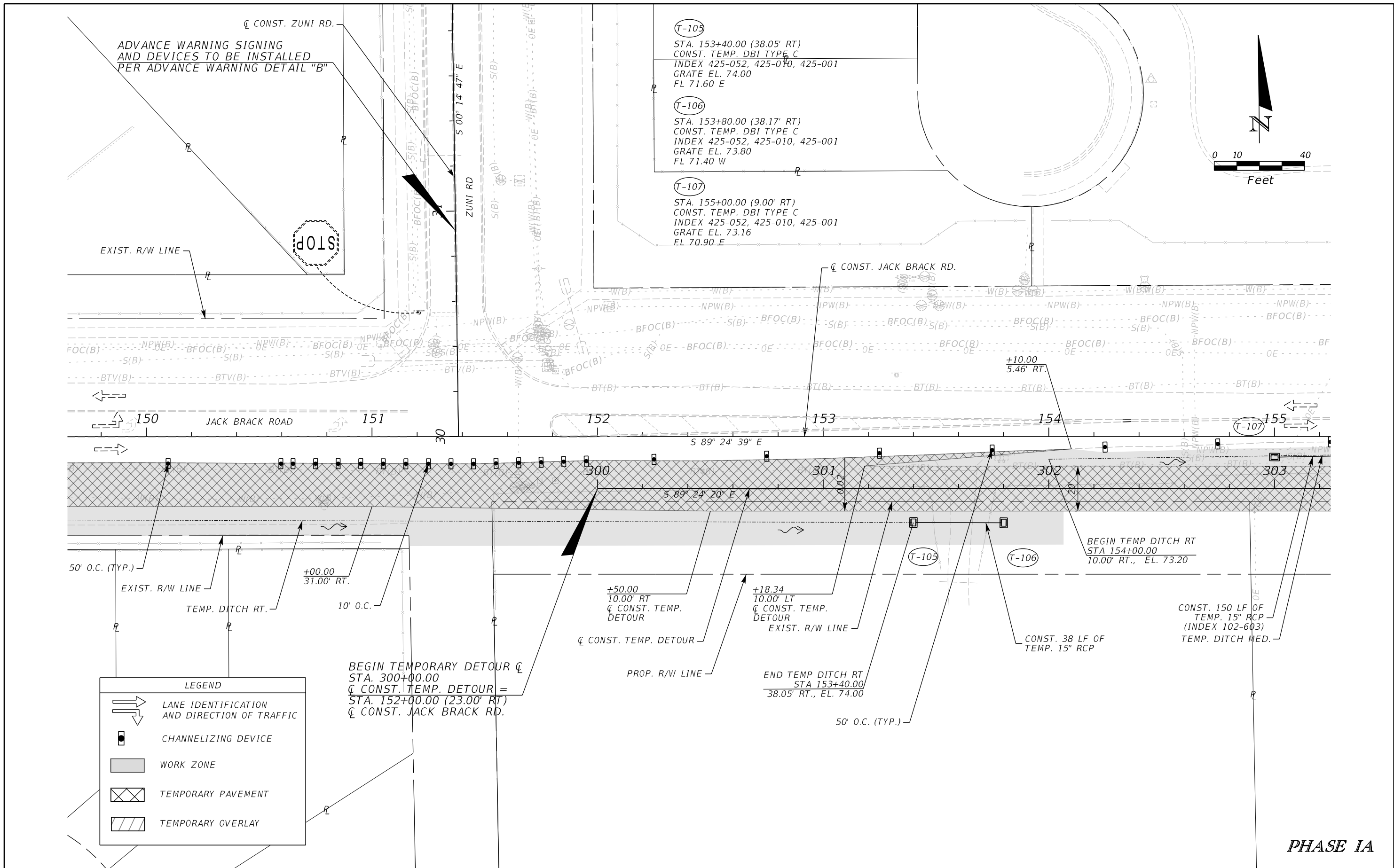
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
423

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REVISIONS		
DATE	BY	DESCRIPTION

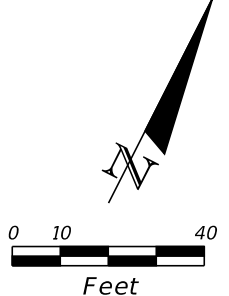
**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
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Oviedo, Florida 32765

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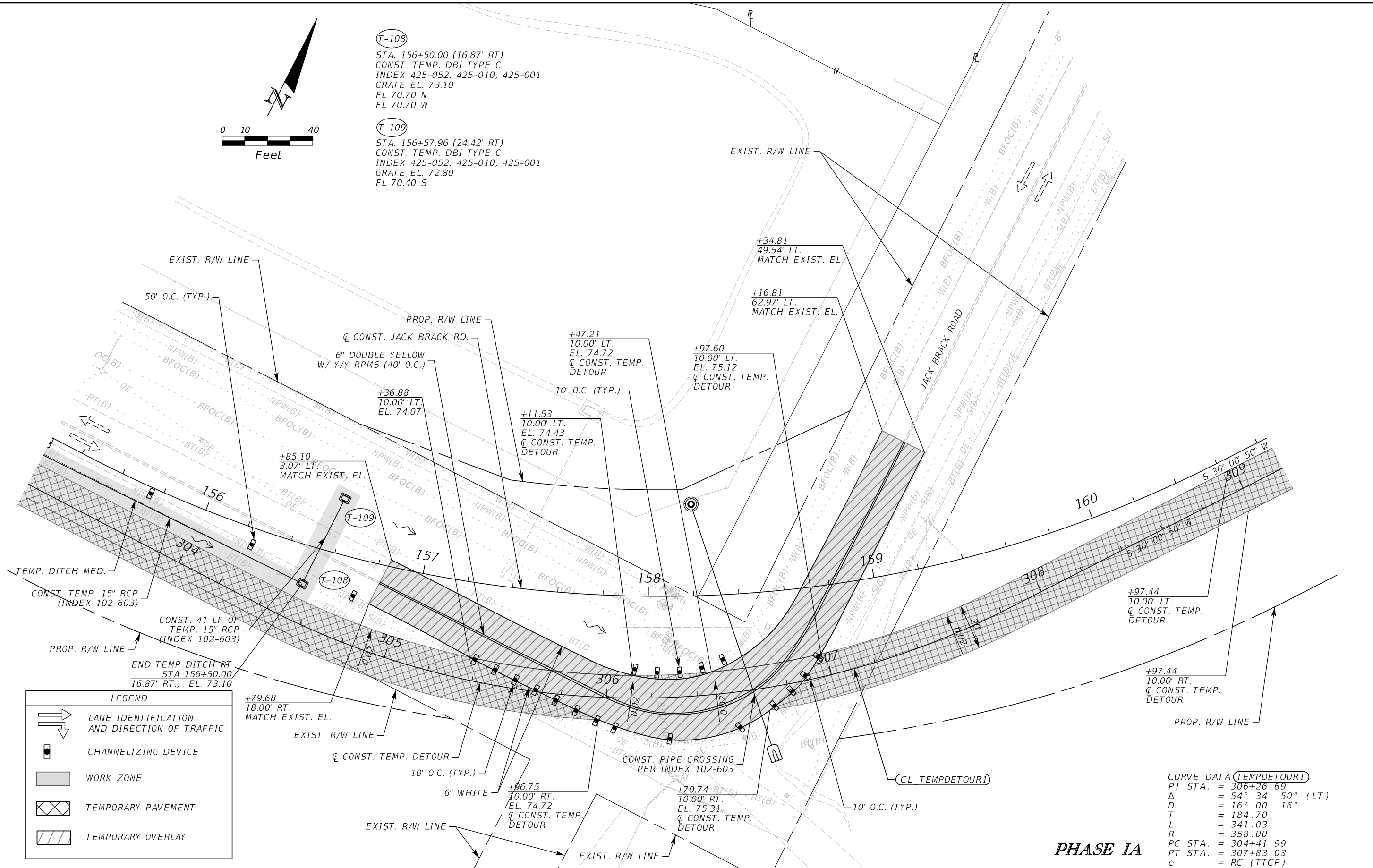
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
424



(T-108)
 STA. 156+50.00 (16.87' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 73.10
 FL 70.70 N
 FL 70.70 W

(T-109)
 STA. 156+57.96 (24.42' RT)
 CONST. TEMP. DBI TYPE C
 INDEX 425-052, 425-010, 425-001
 GRATE EL. 72.80
 FL 70.40 S



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY OVERLAY

CURVE DATA (TEMPDETOUR1)
 PI STA. = 306+26.69
 Δ = 54° 34' 50" (LT)
 D = 16° 00' 16"
 T = 184.70
 L = 341.03
 R = 358.00
 PC STA. = 304+41.99
 PT STA. = 307+83.03
 e = RC (TTCP)

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

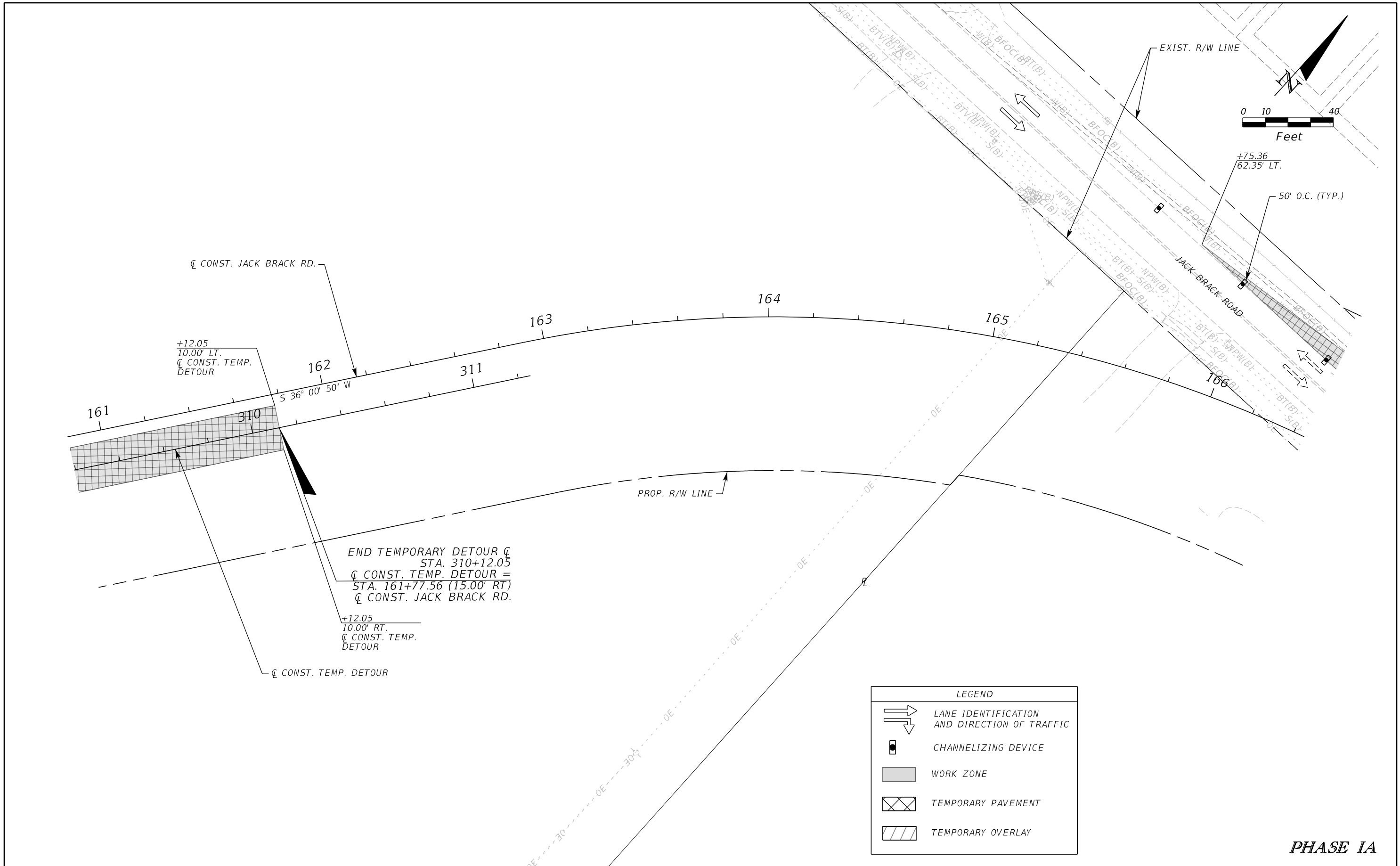
OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

PHASE IA

**TEMPORARY TRAFFIC
 CONTROL PLAN**

SHEET NO.
425

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LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY OVERLAY

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

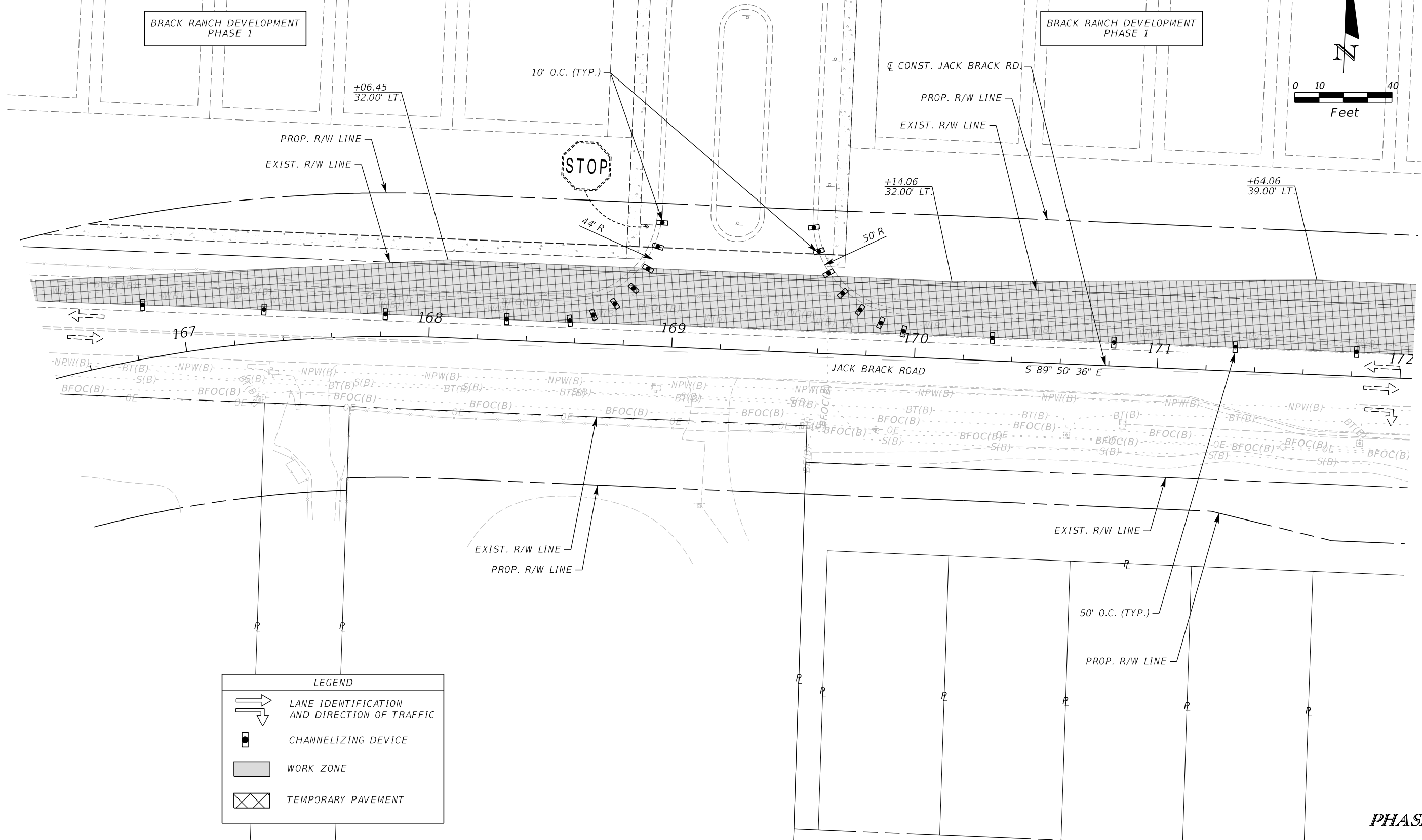
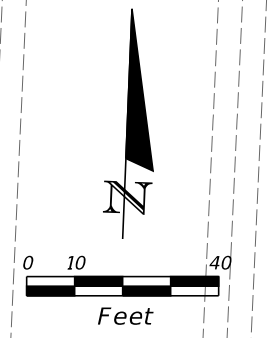
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
426

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BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

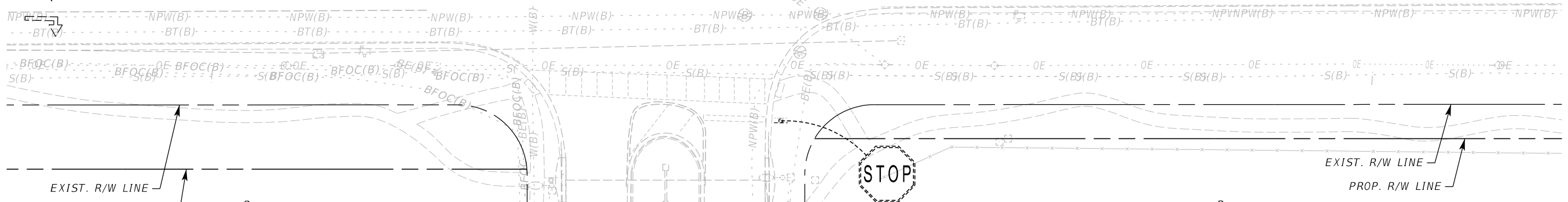
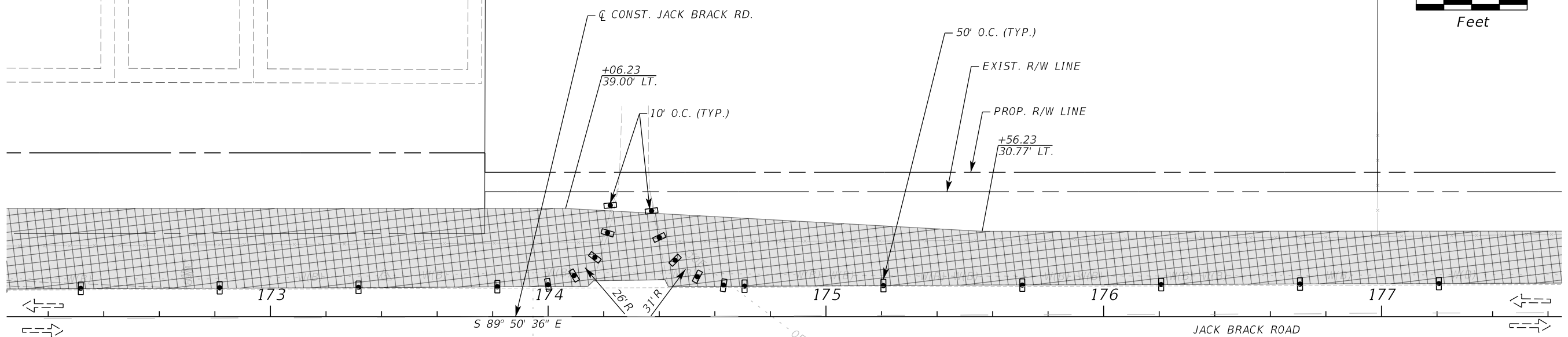
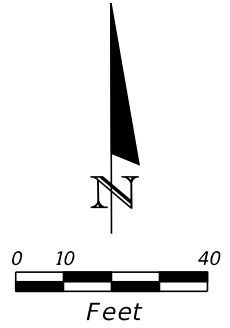
OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
427

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BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

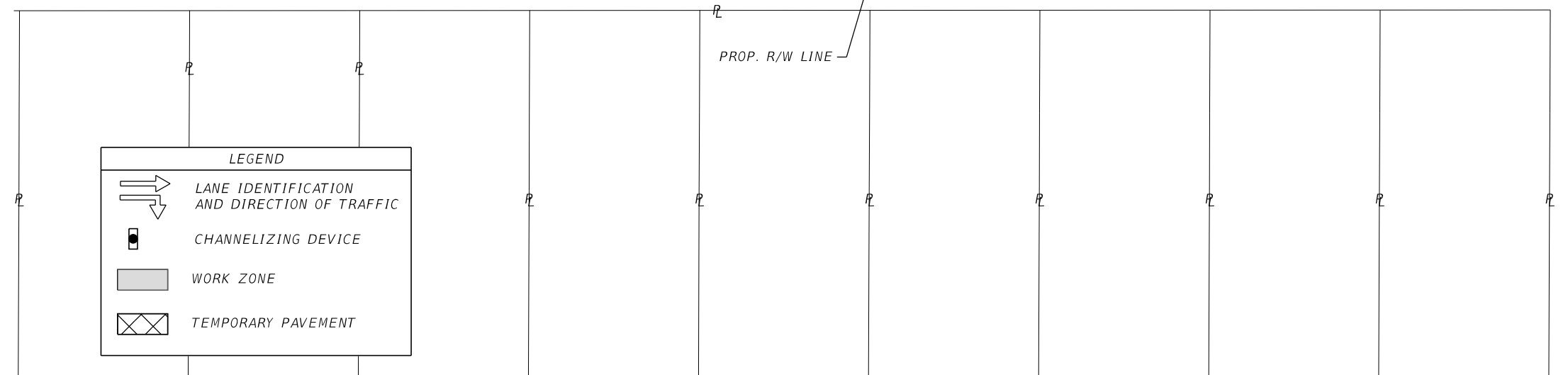
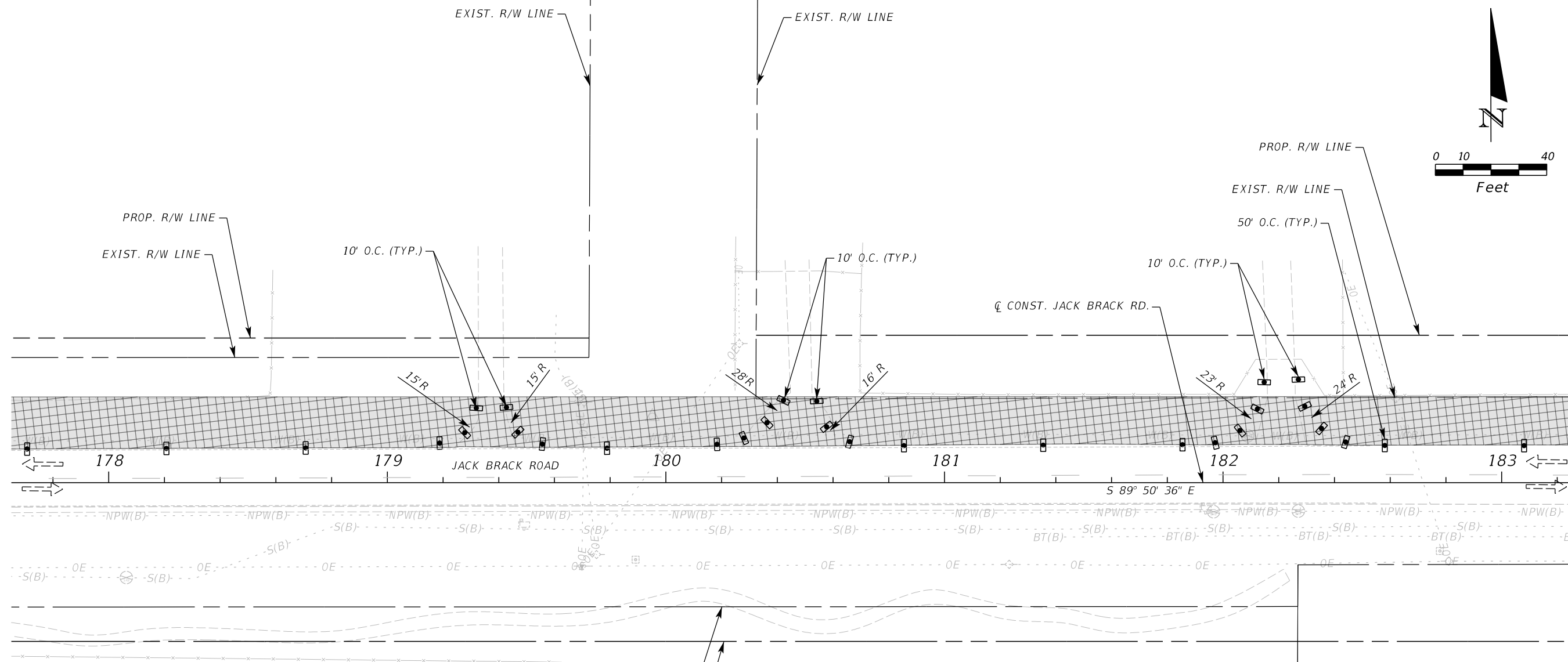
ENGINEER OF RECORD
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**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
428

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

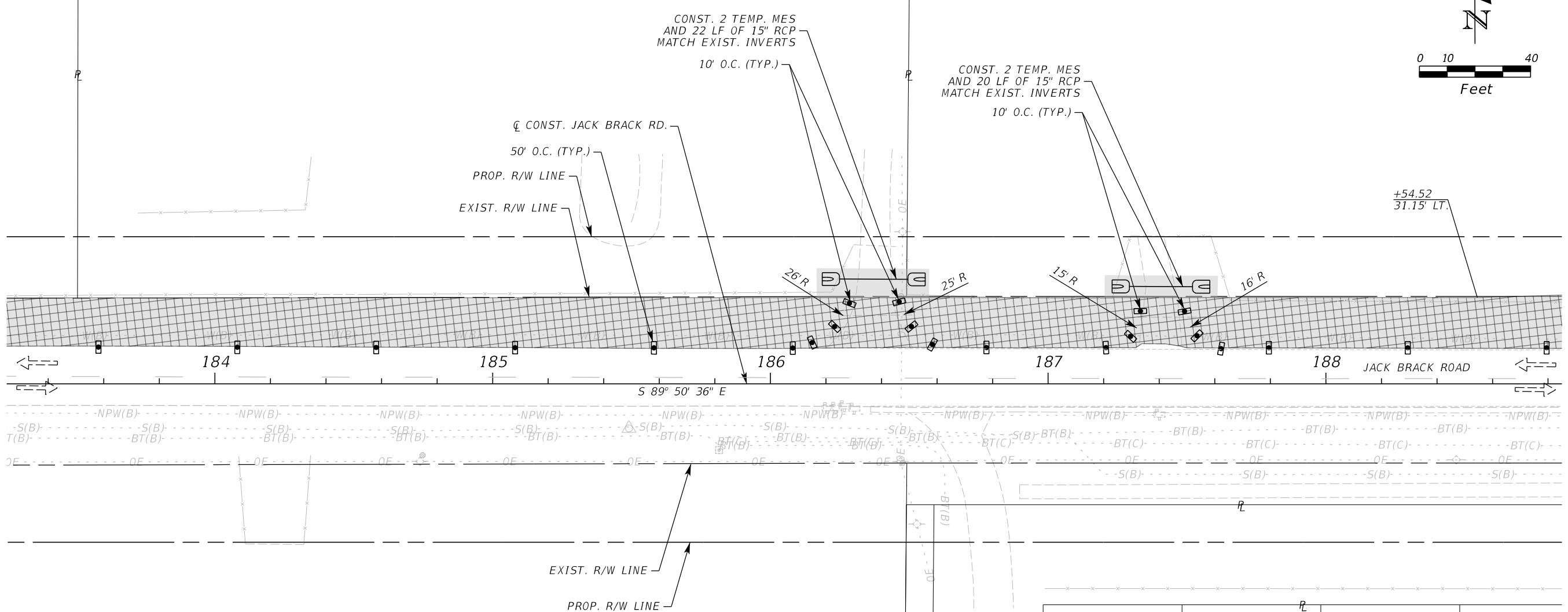
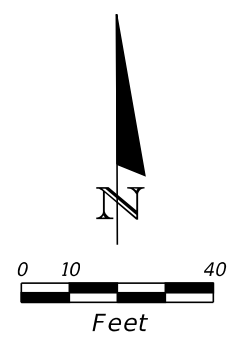
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
429

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

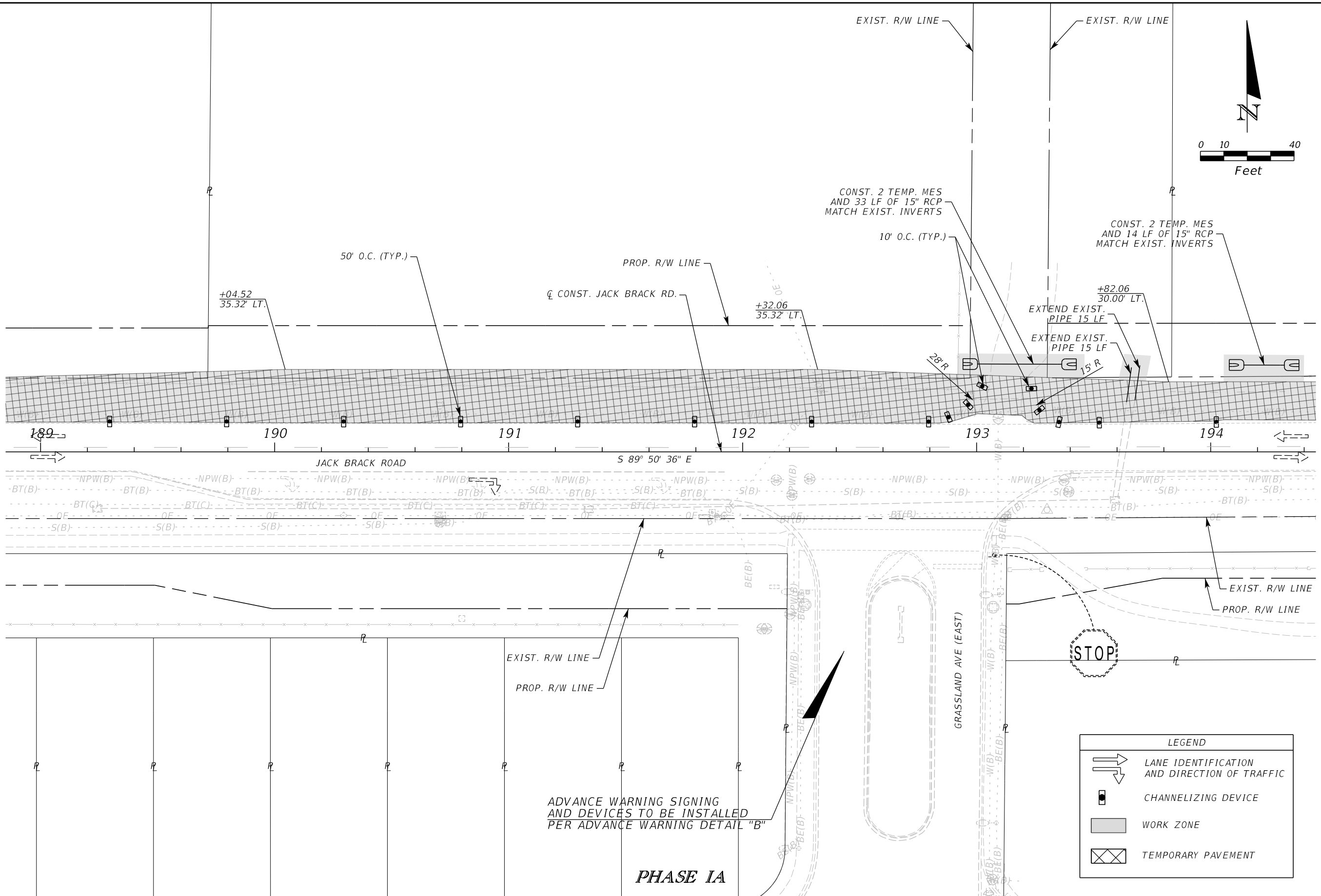
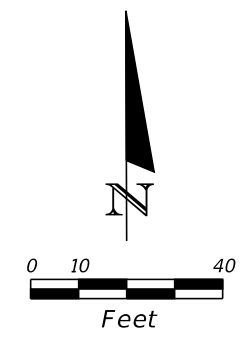
**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
430

PHASE IA

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

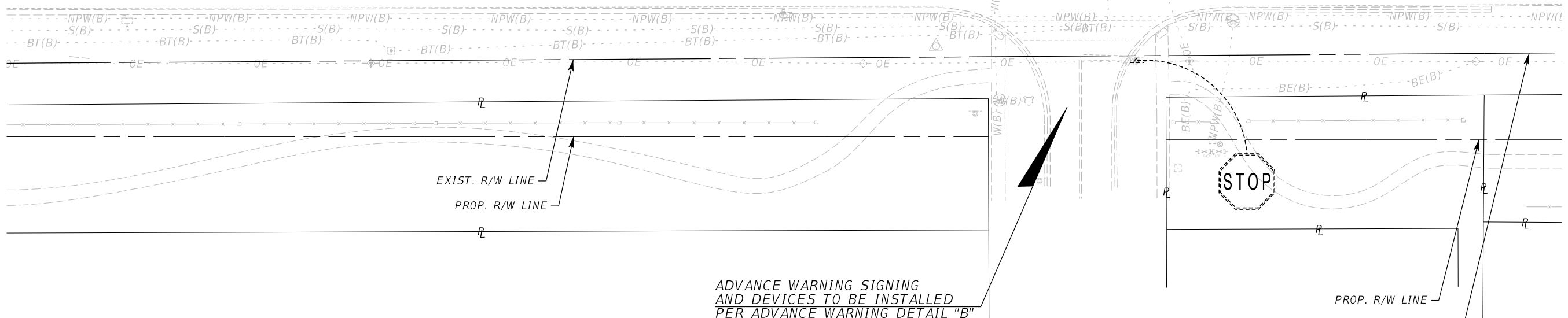
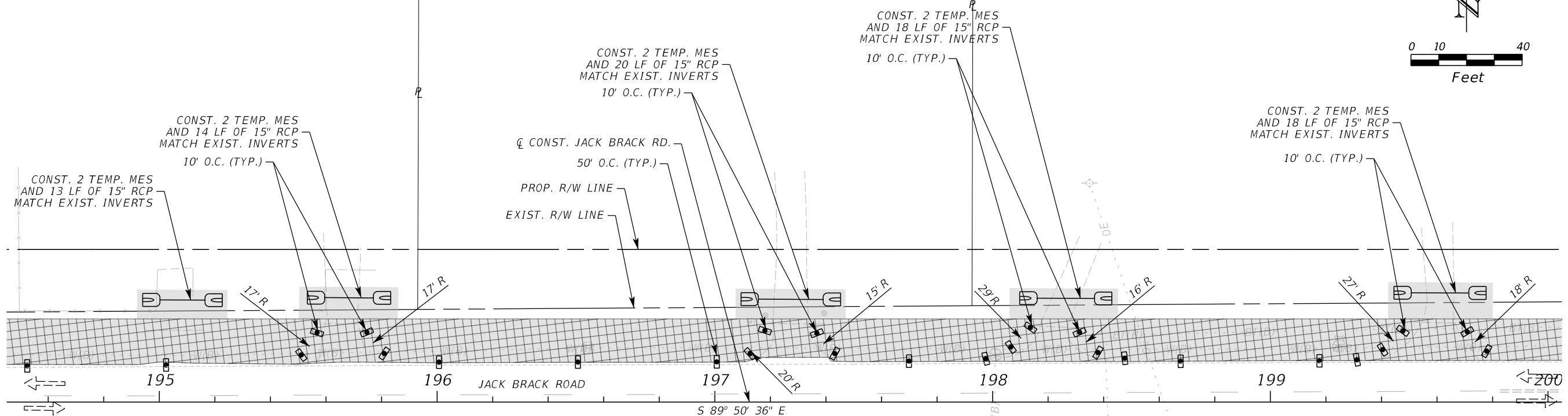
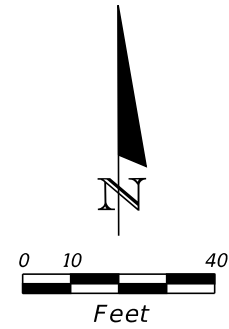
ENGINEER OF RECORD
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
431

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

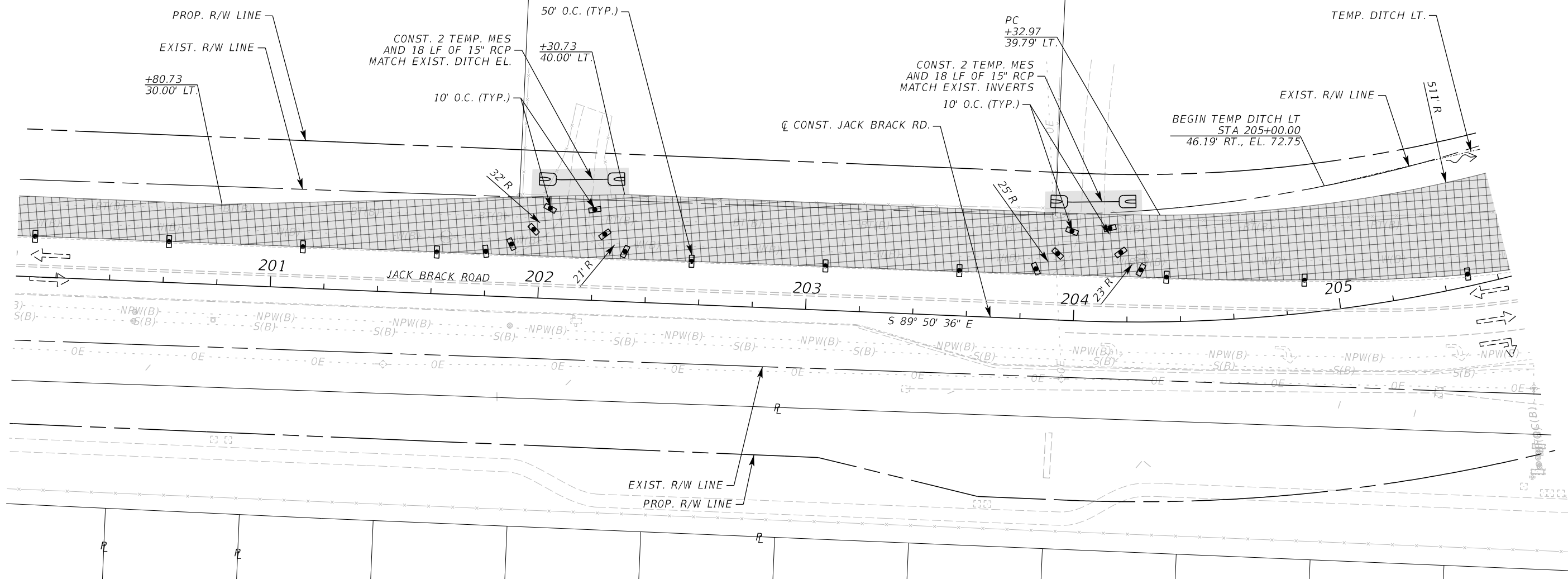
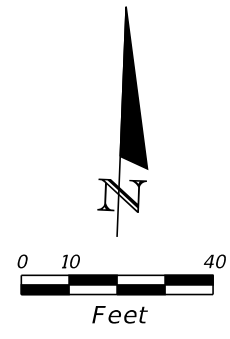
ENGINEER OF RECORD
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OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
432

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

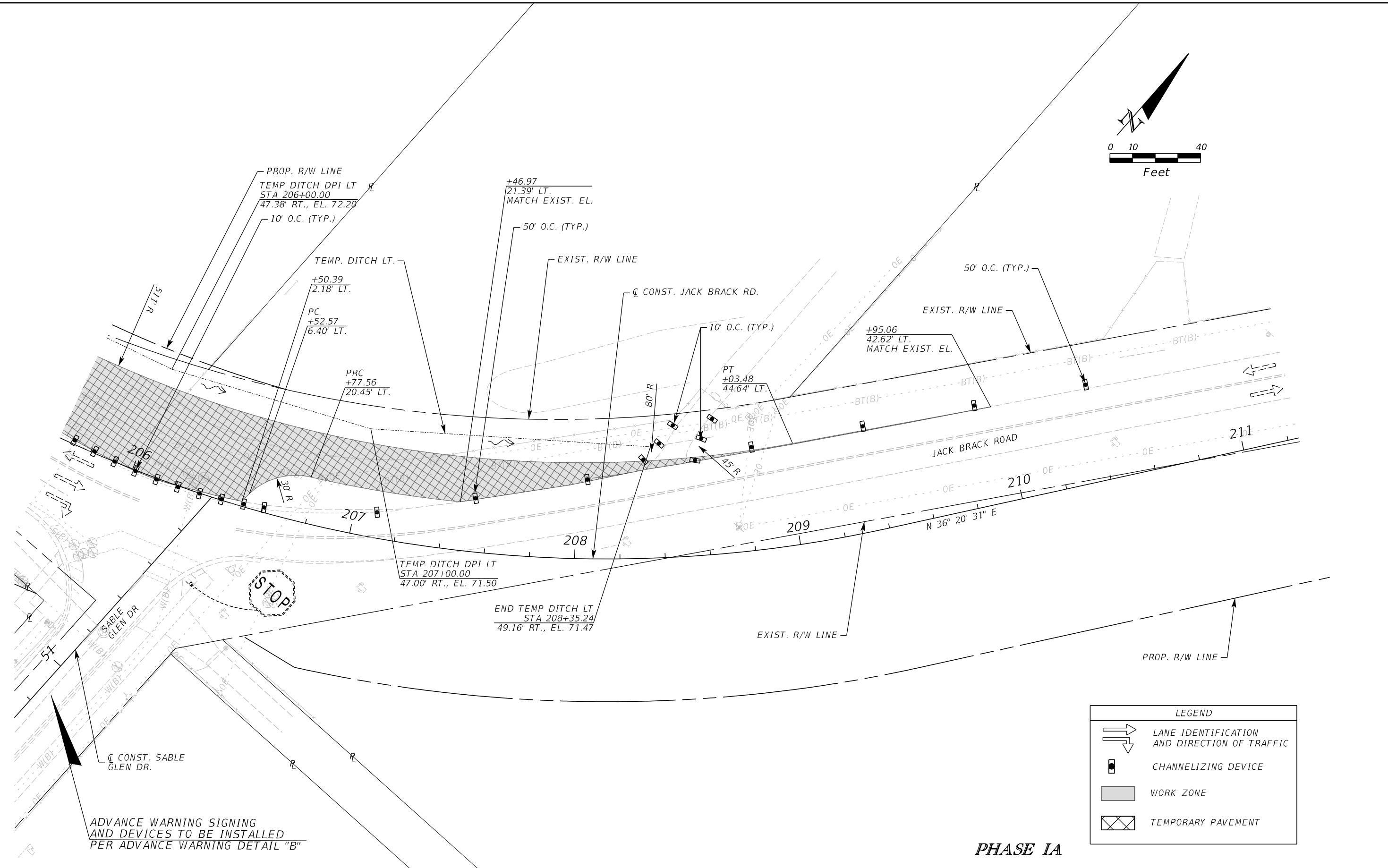
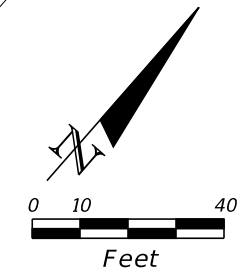
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
433

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

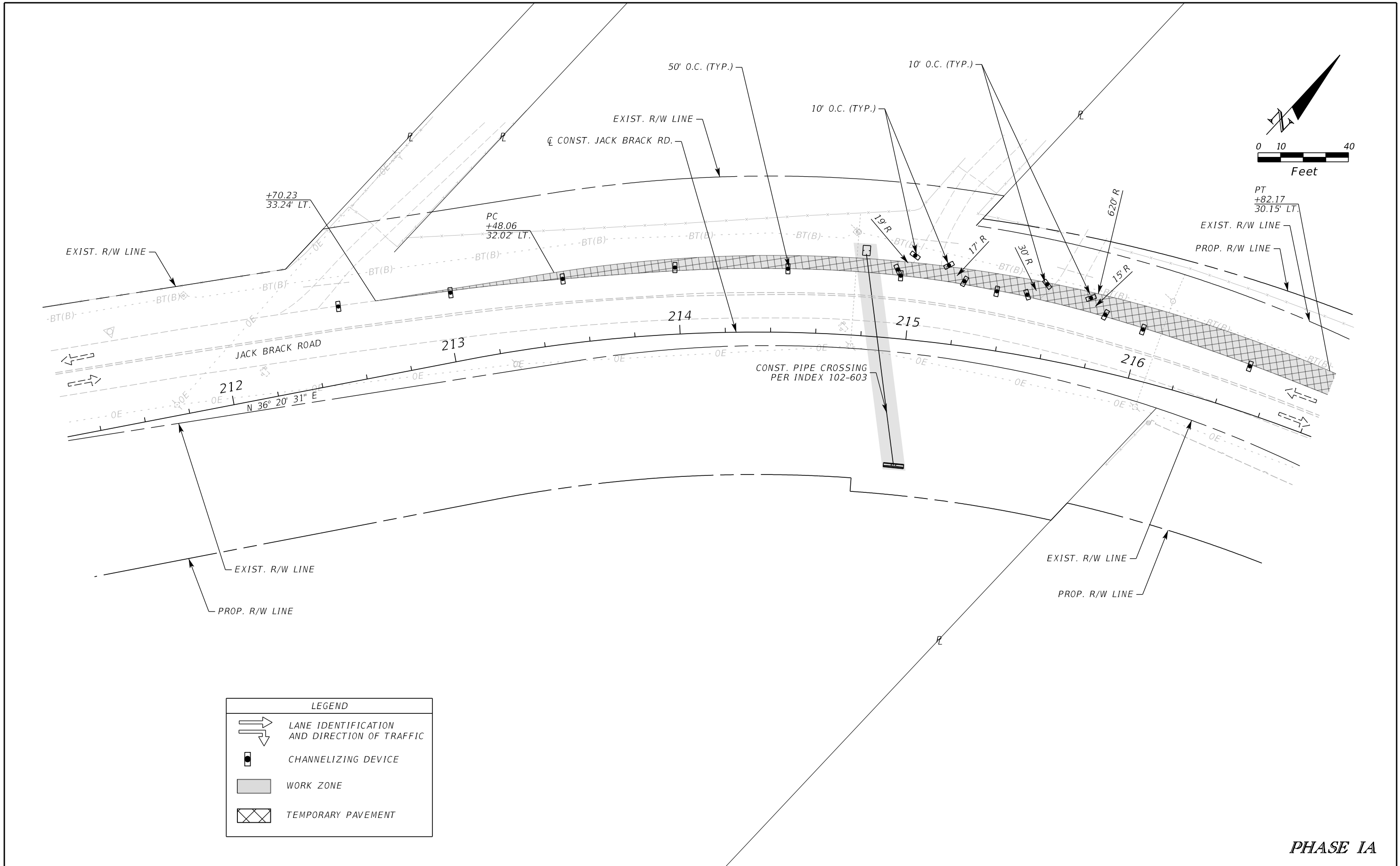
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
434

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

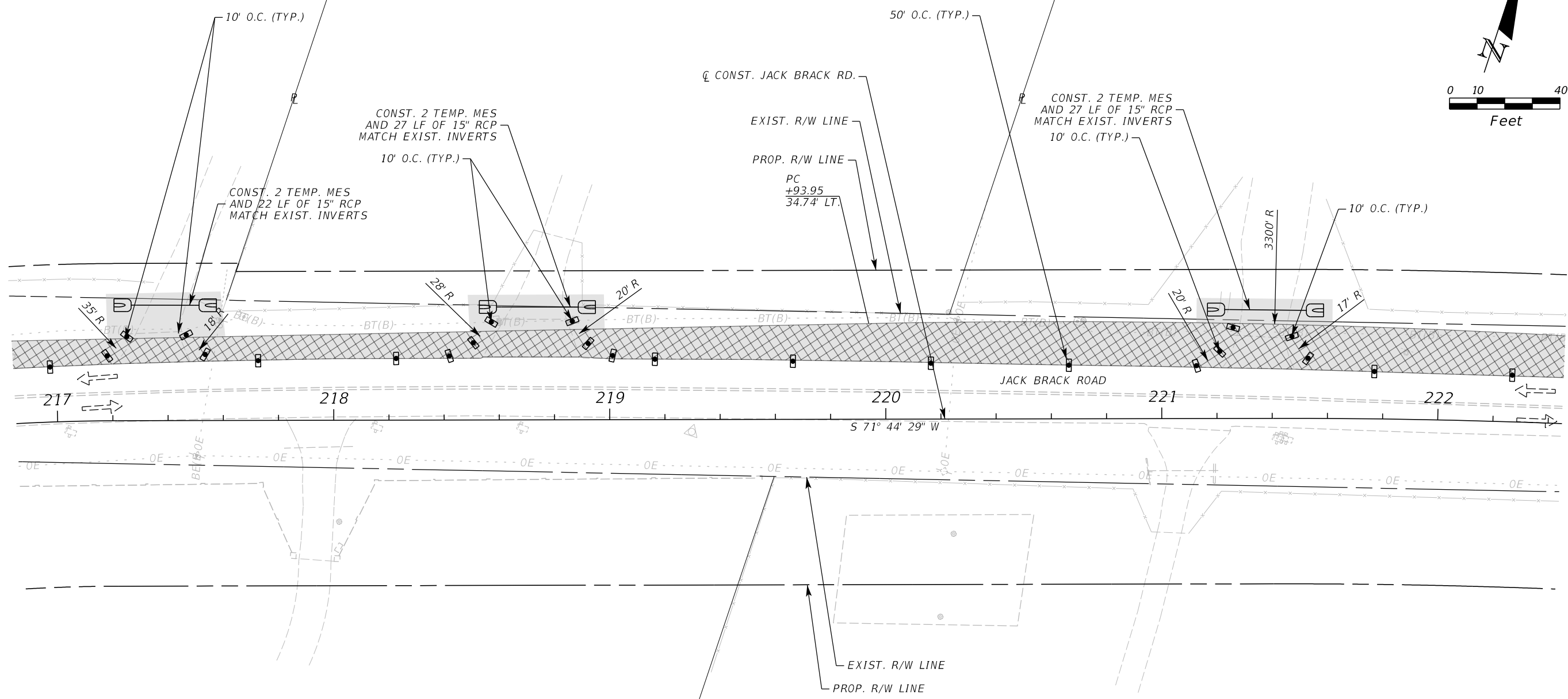
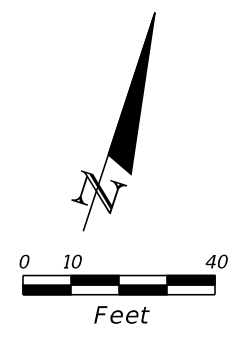


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
435

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



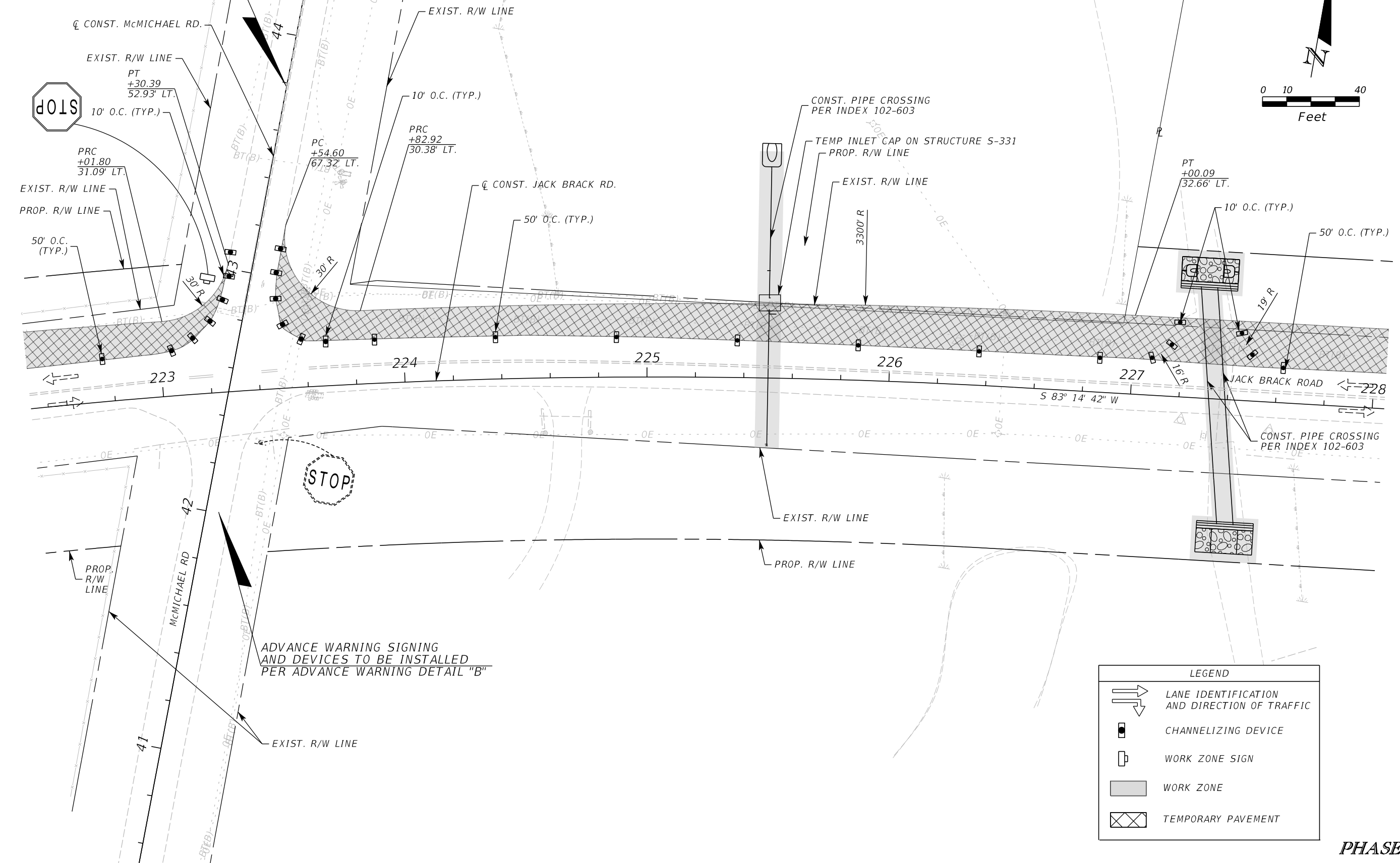
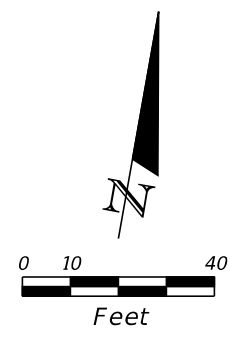
LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

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REVISIONS																				
DATE	BY	DESCRIPTION																		

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ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE SIGN
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

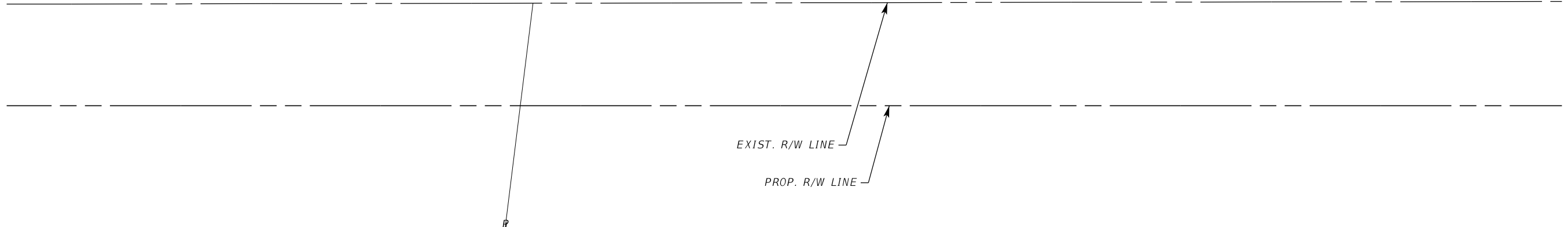
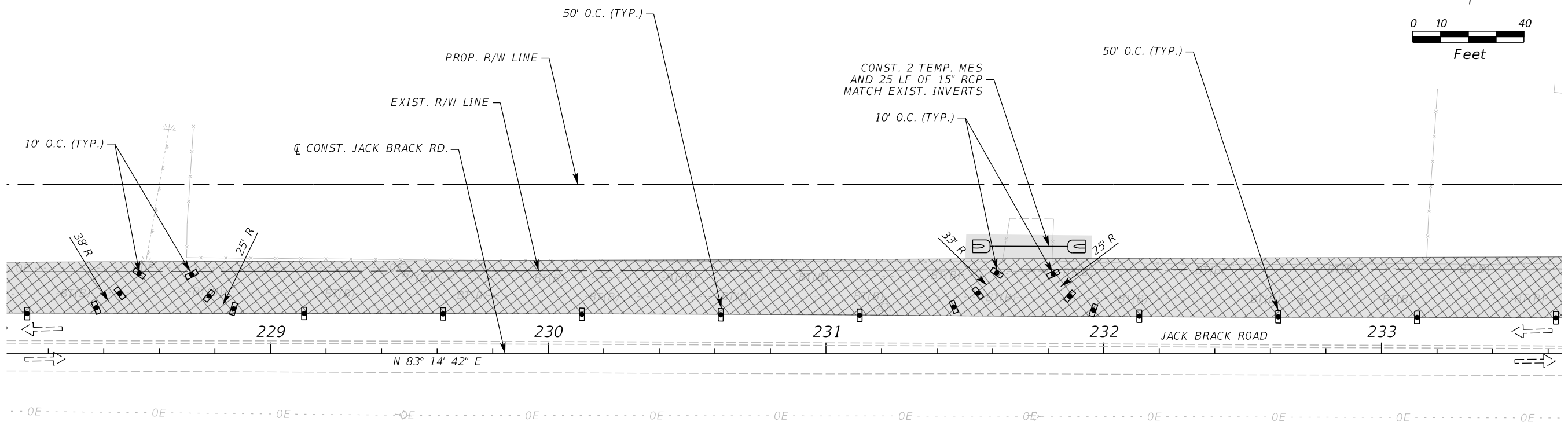
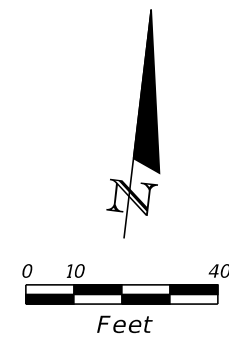
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
437

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

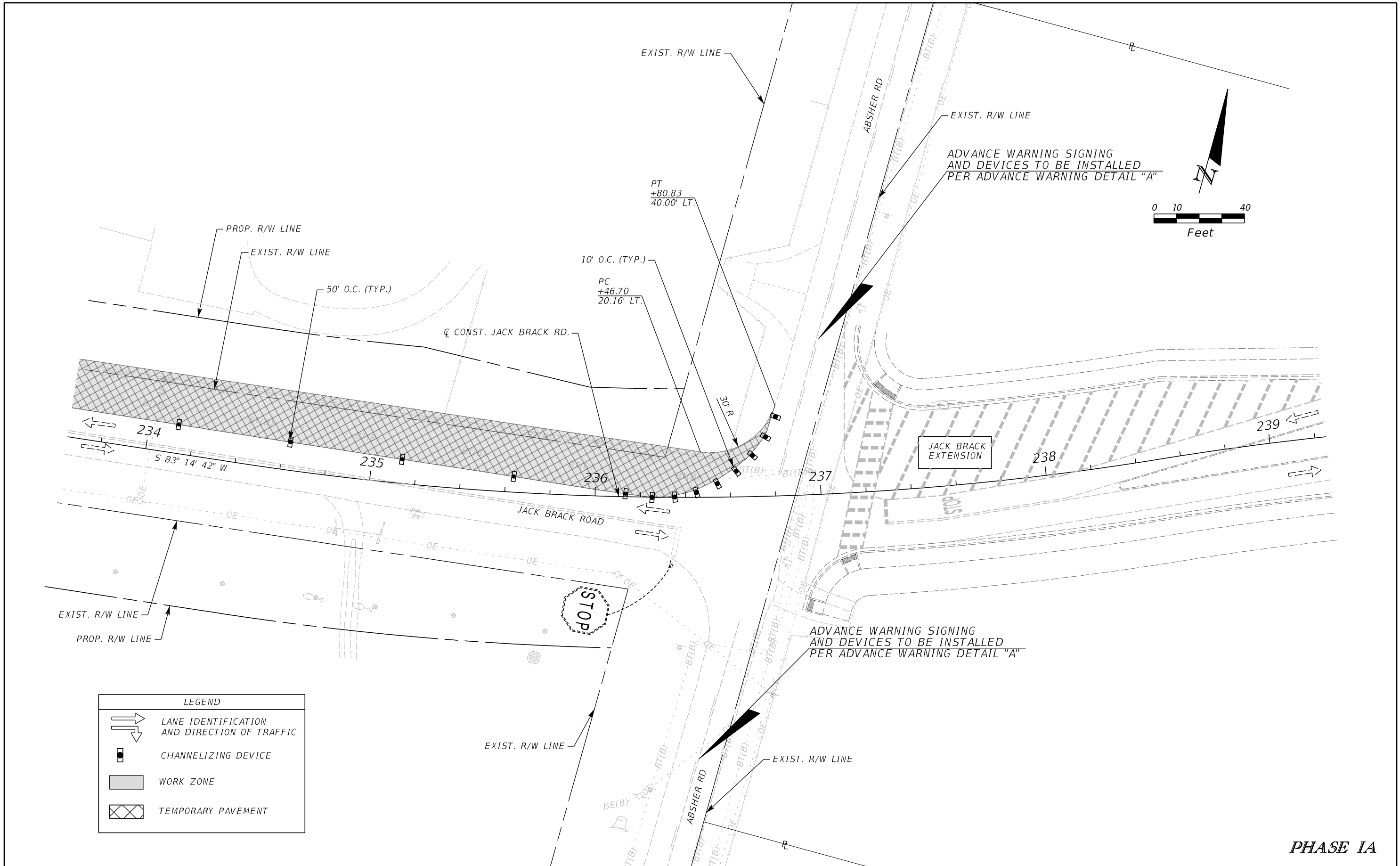
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
438

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IA

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

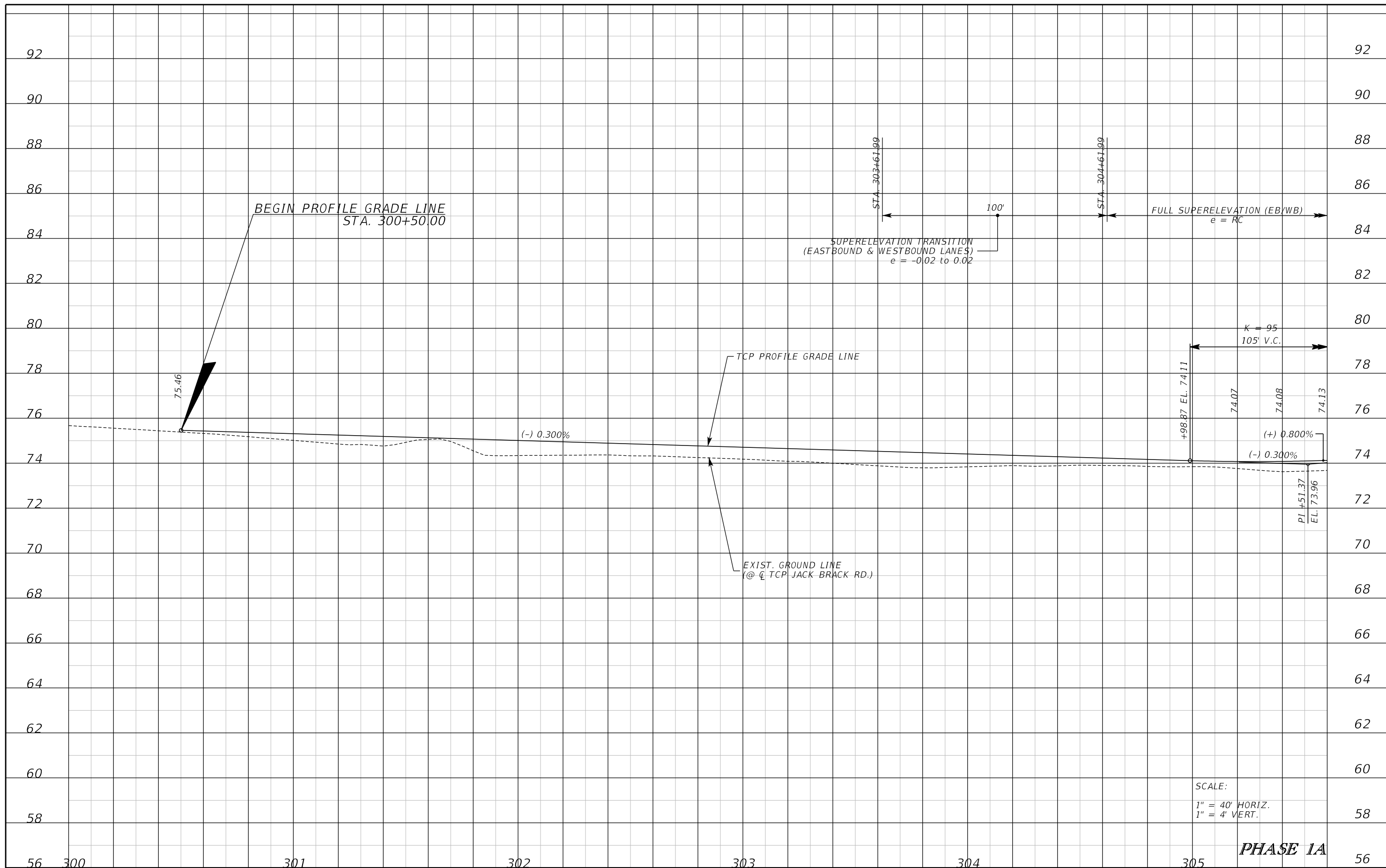
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
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 Kissimmee, Florida 34741-5488
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET
NO.
439

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



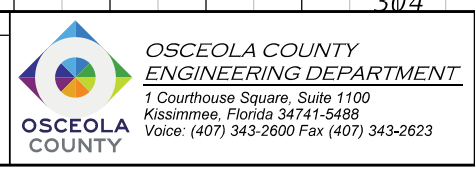
SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

PHASE 1A

REVISIONS	
DATE	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

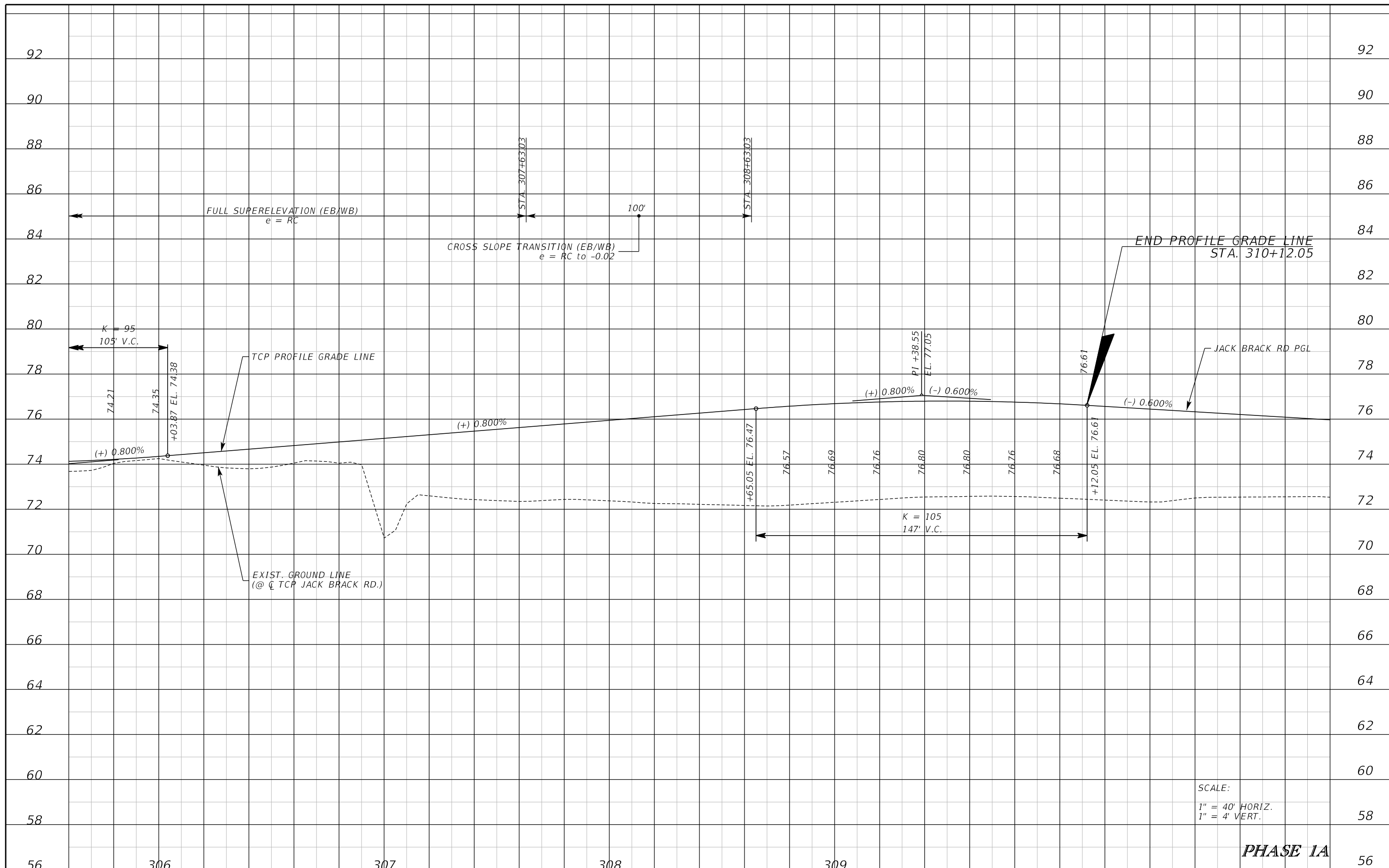
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765



**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
440

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



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

PHASE 1A

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Oviedo, Florida 32765

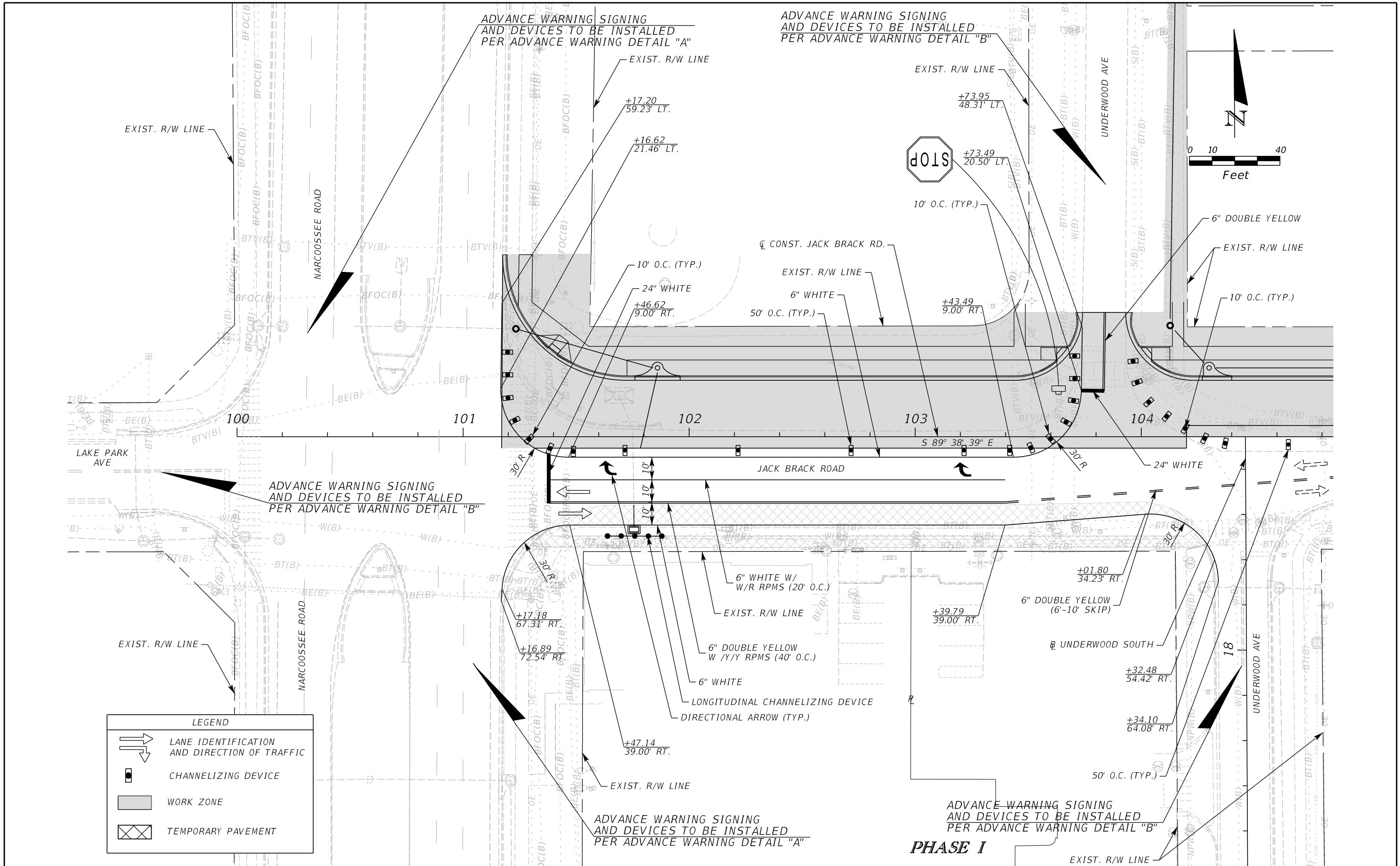
OSCEOLA COUNTY
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 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
441

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

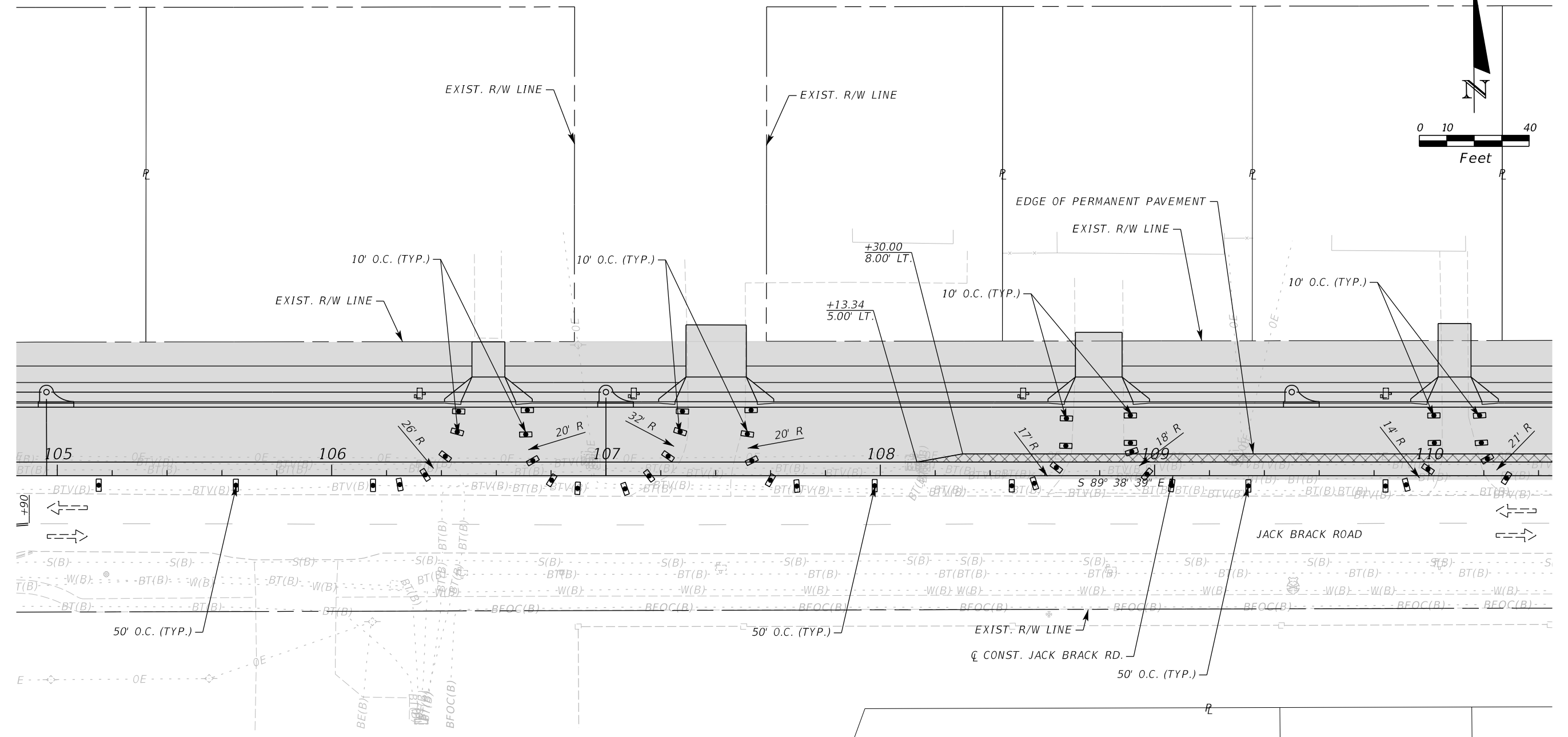
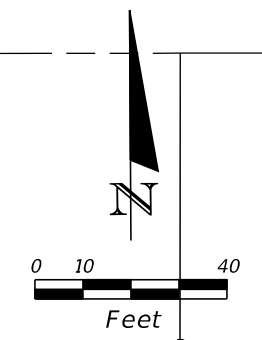
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
442

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

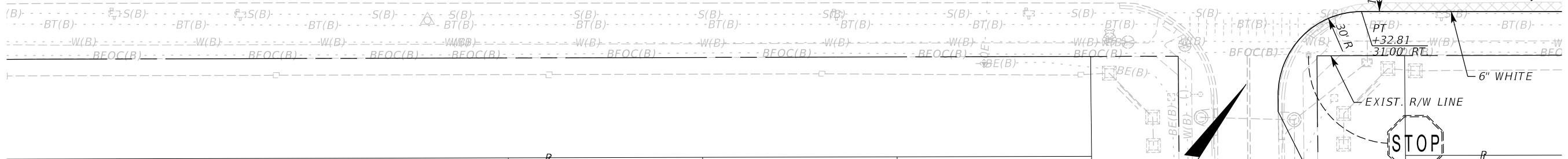
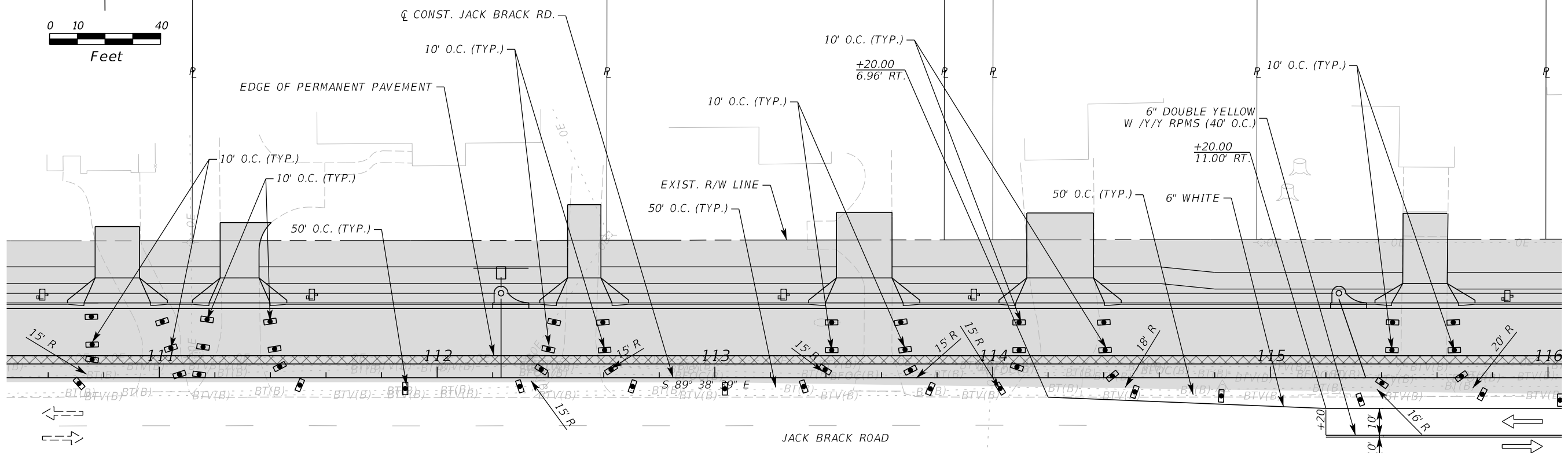
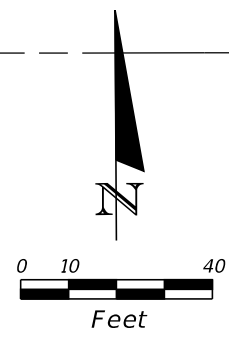
ENGINEER OF RECORD
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Oviedo, Florida 32765

**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
443

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

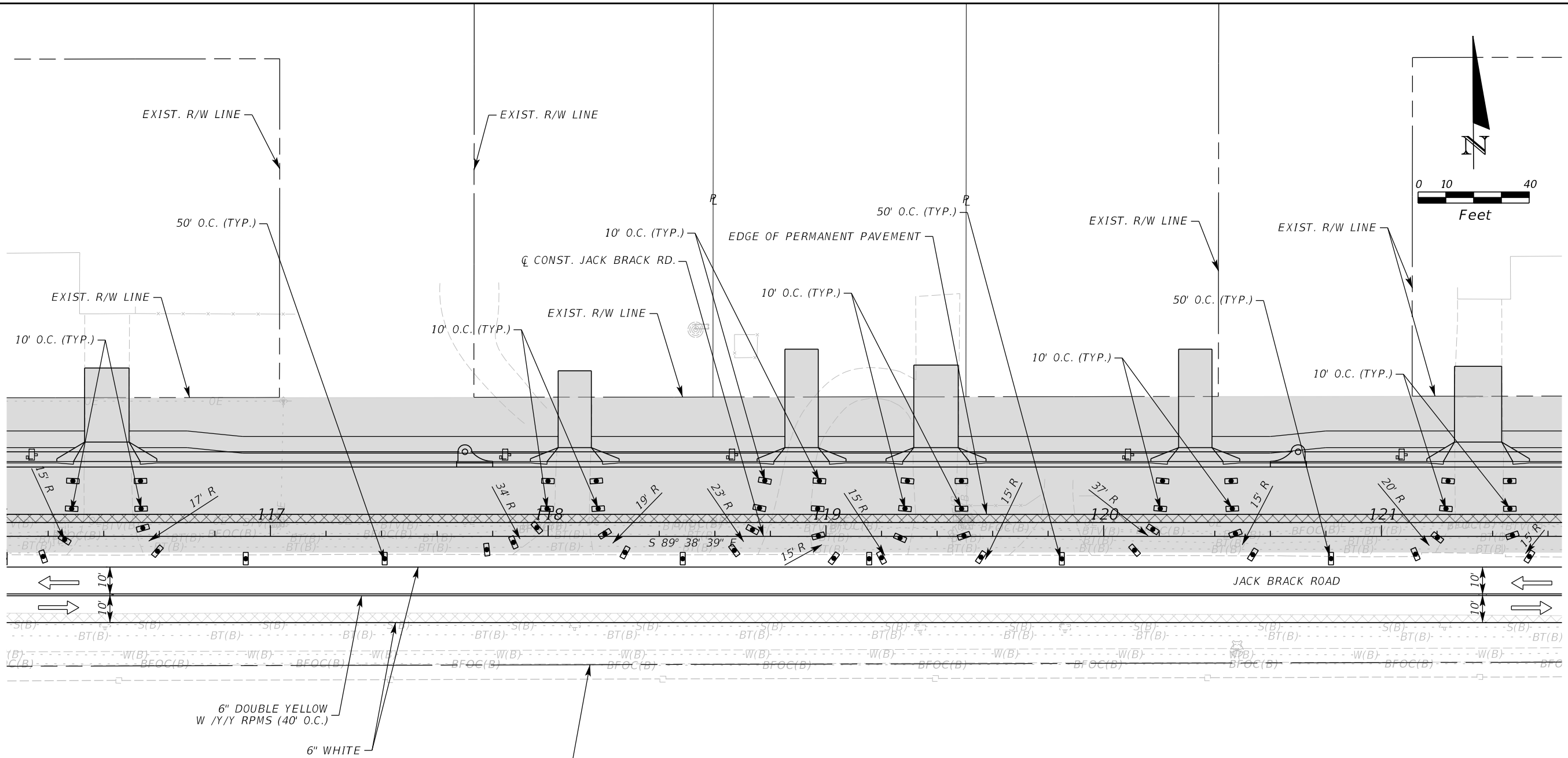
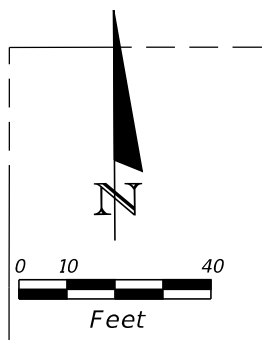
OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
444

PHASE I

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

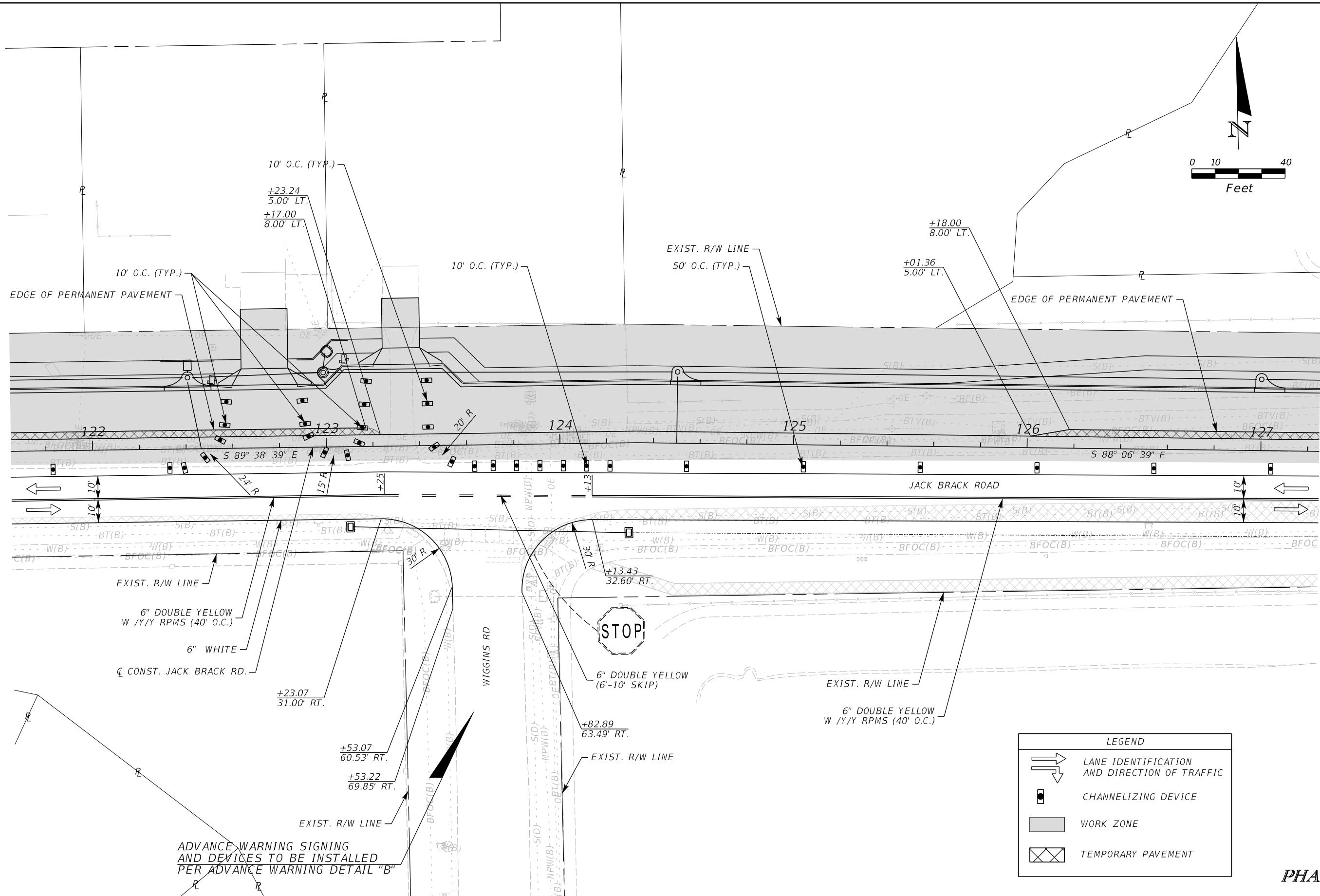
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
445

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



ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

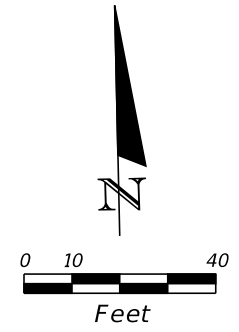
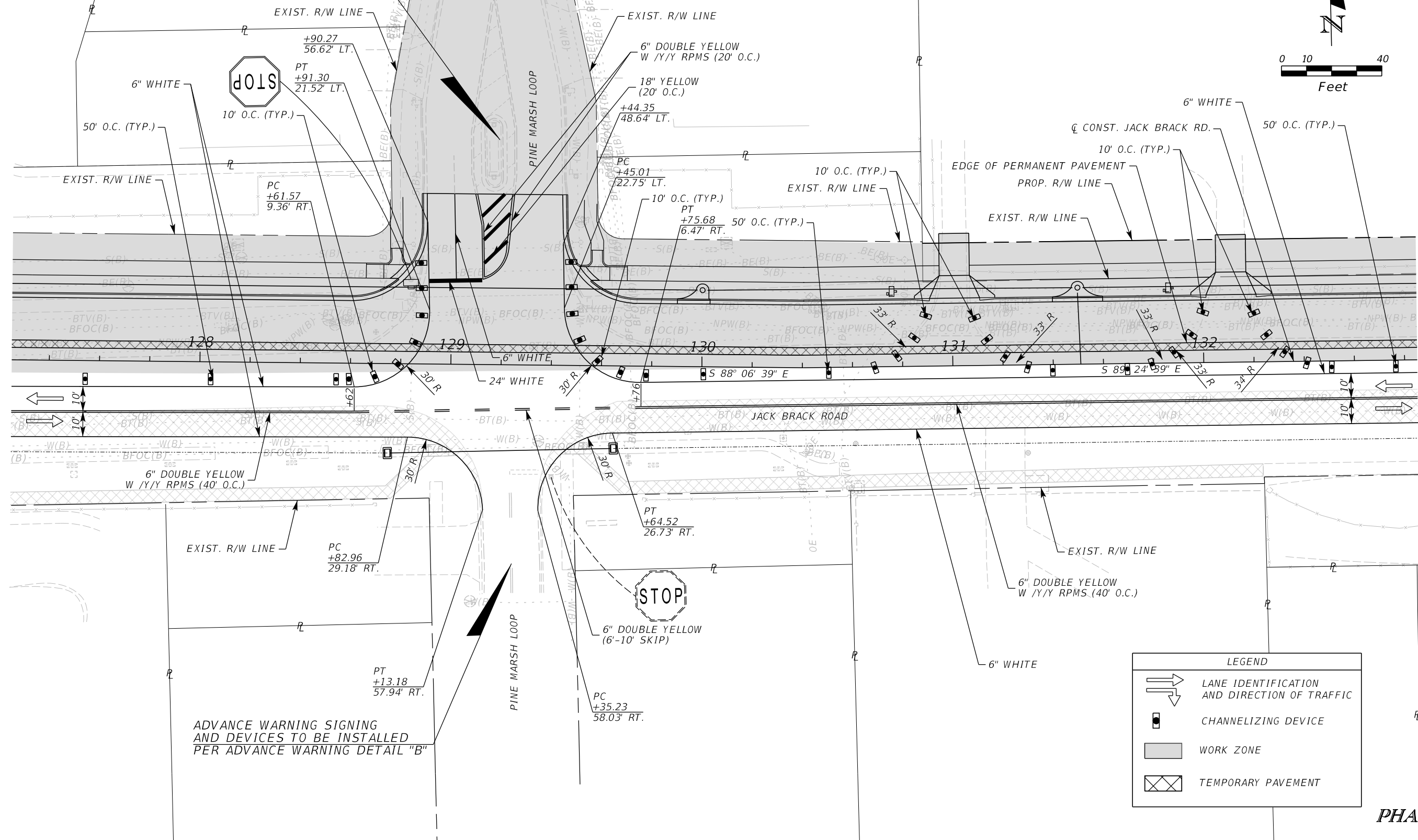
OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
446

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

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

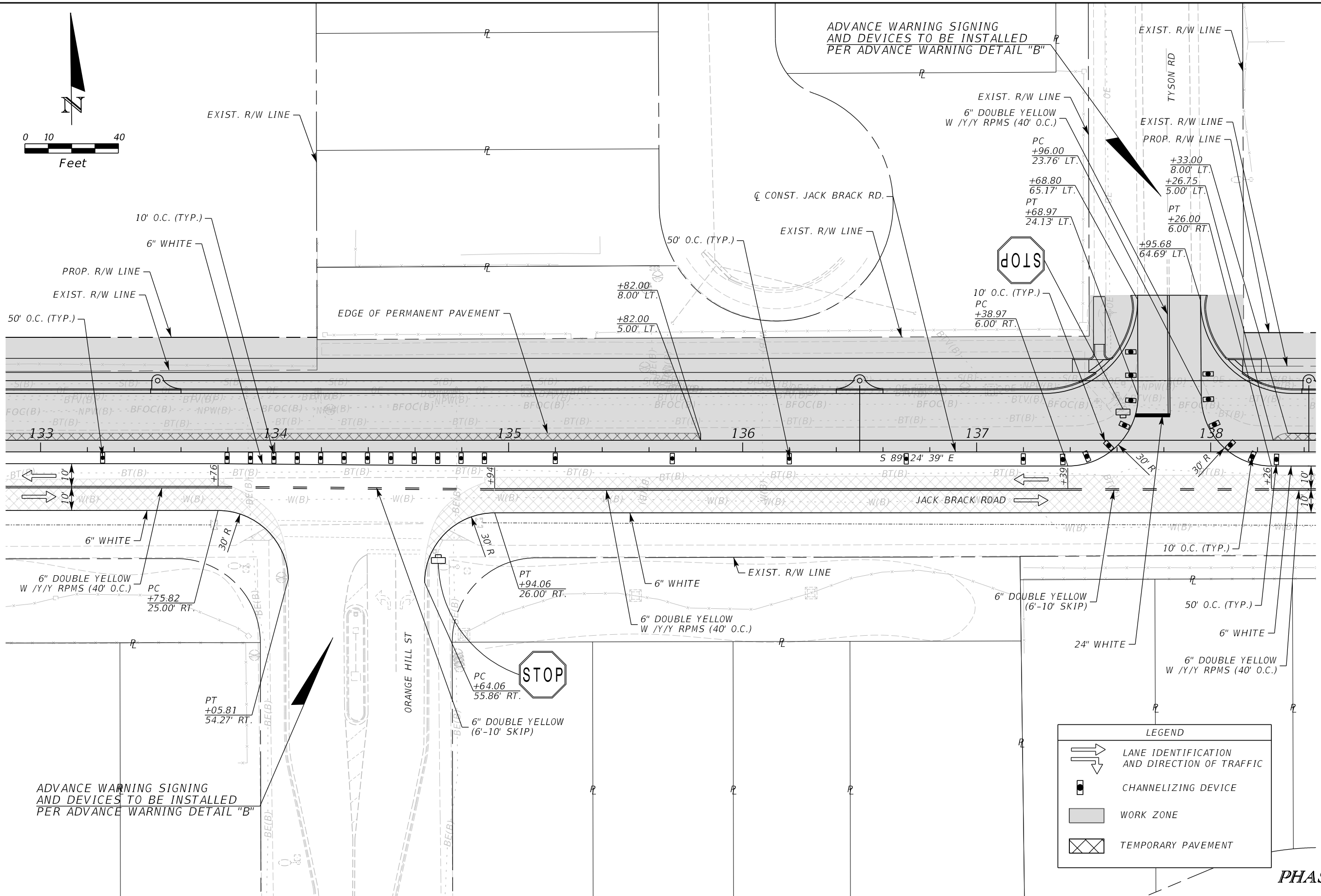
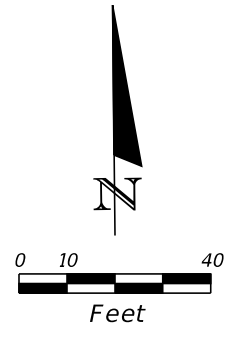
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
447

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

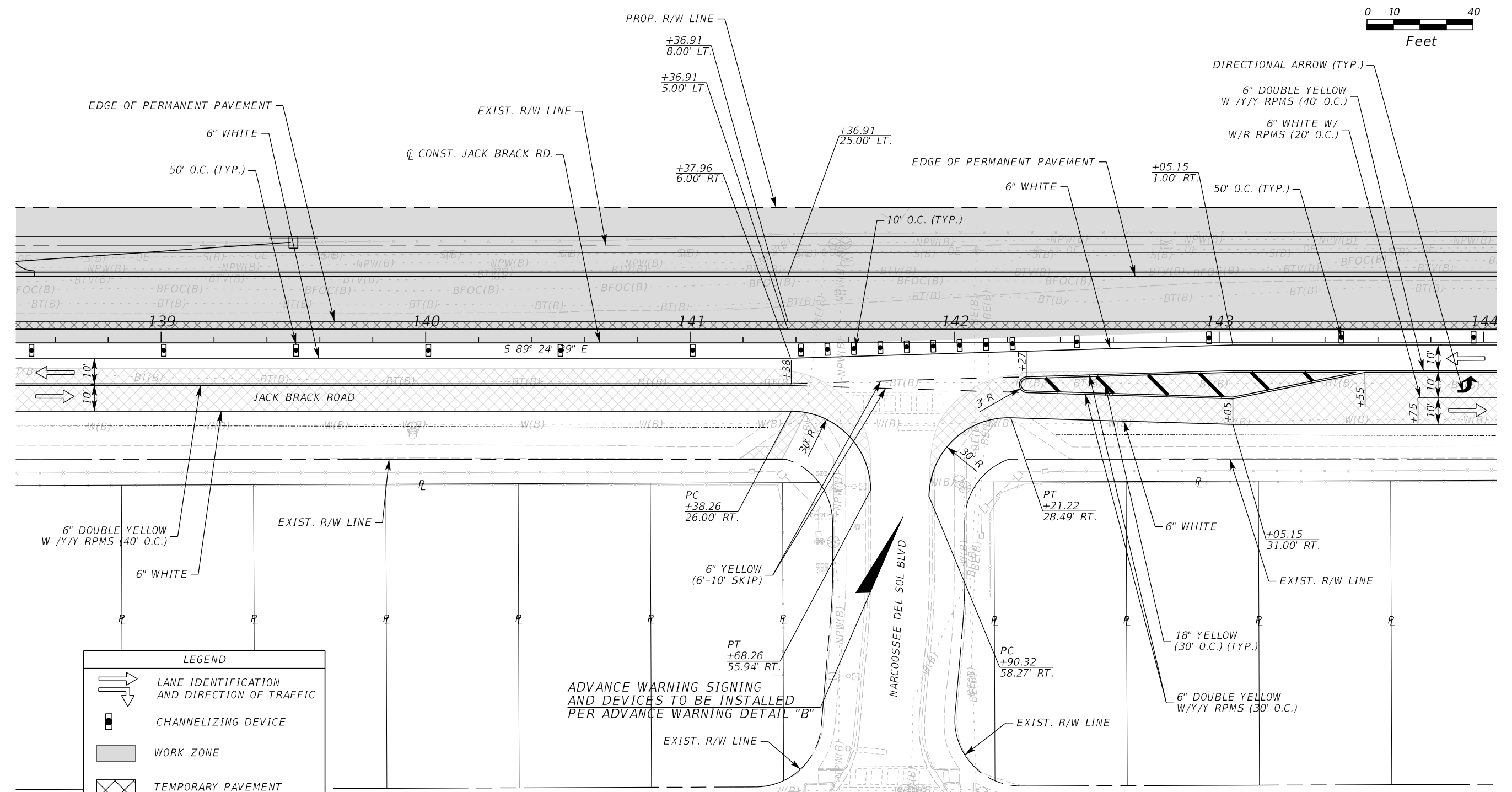
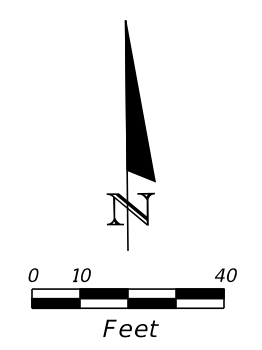
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
448

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

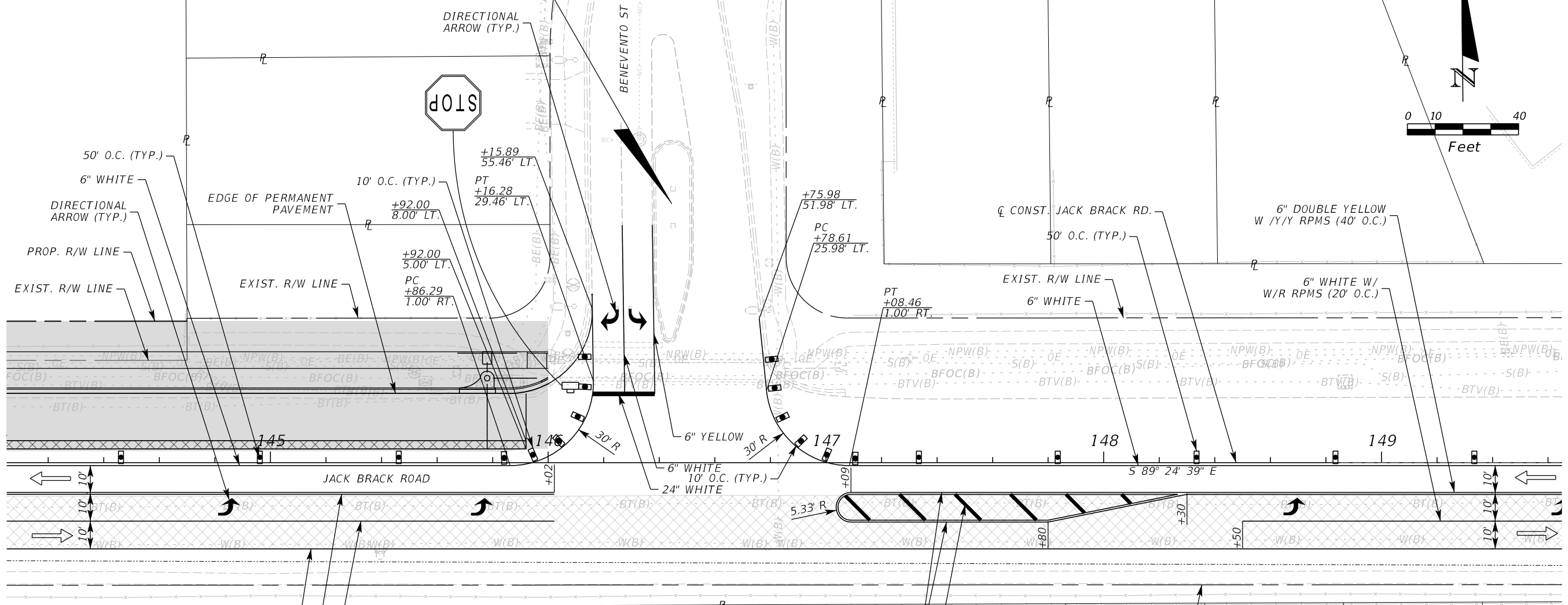
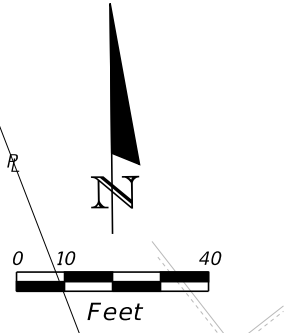
ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE I

REVISIONS			DATE	BY	DESCRIPTION	JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 449
DATE	BY	DESCRIPTION								

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

ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

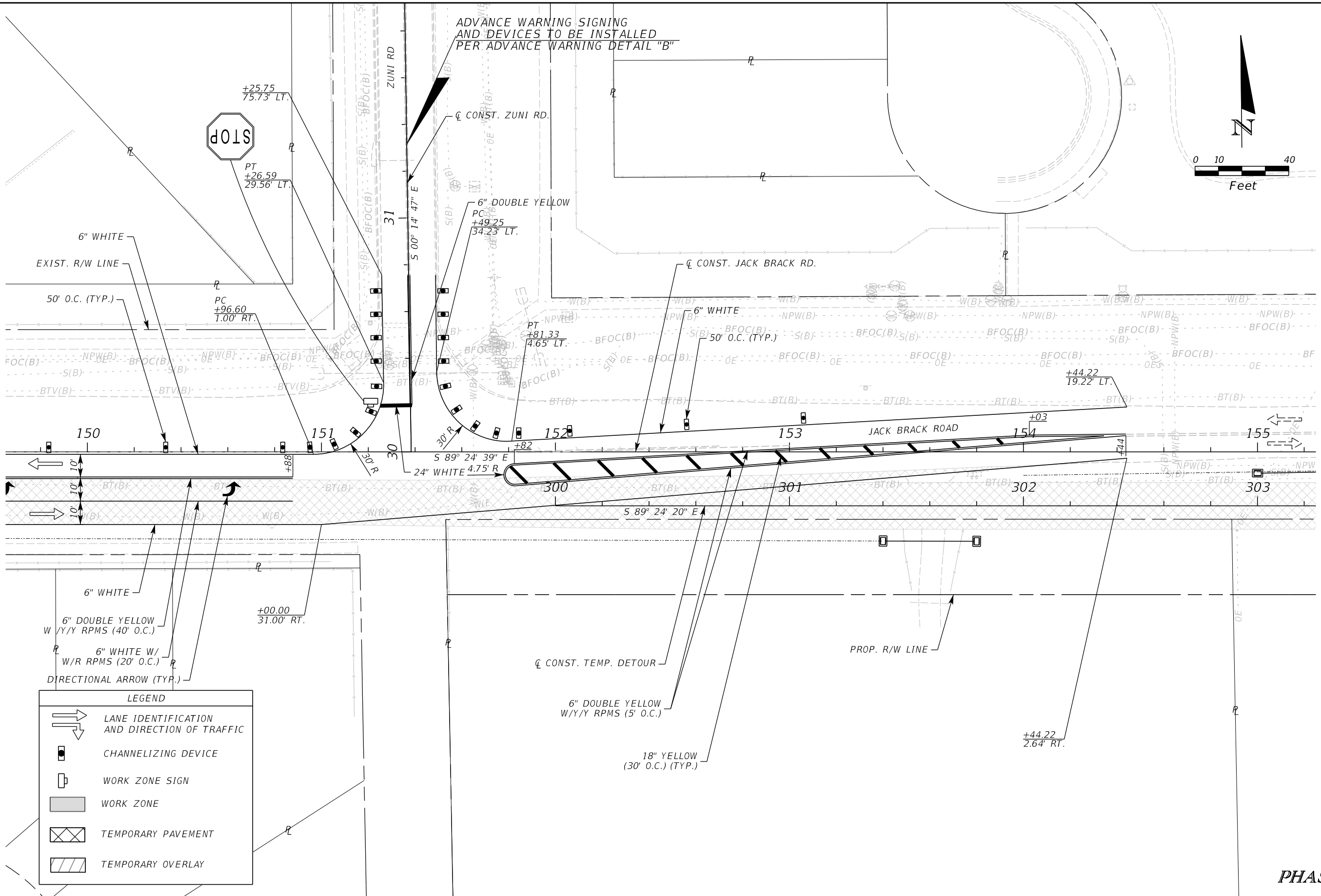
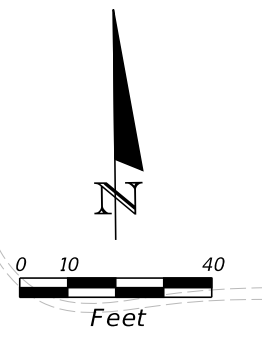


LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE SIGN
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS			DATE	BY	DESCRIPTION	ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION							
						Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623		450

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LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE SIGN
- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY OVERLAY

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

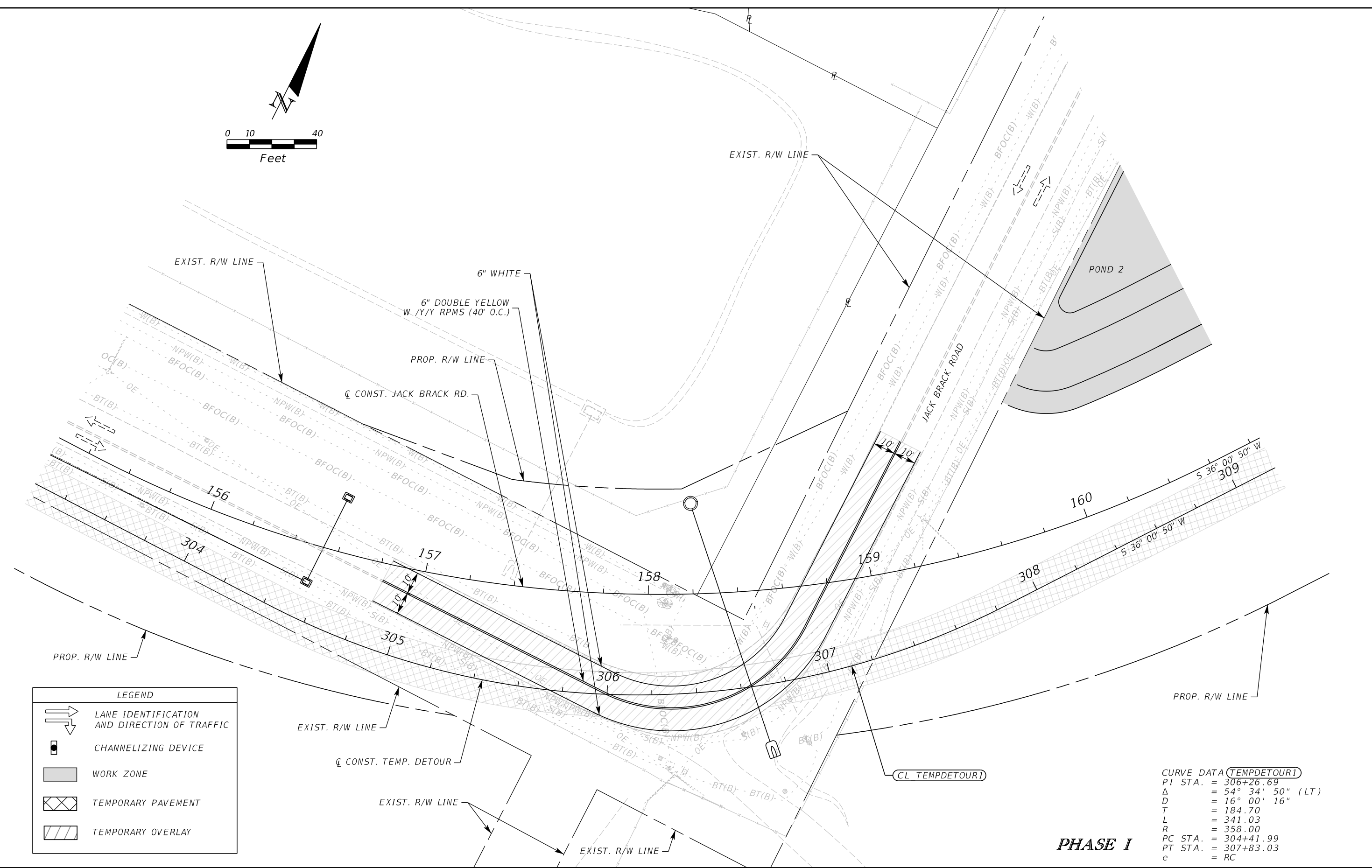
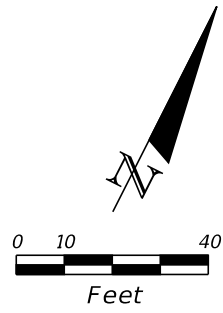


**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
451

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY OVERLAY

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 Δ = 54° 34' 50" (LT)
 D = 16° 00' 16"
 T = 184.70
 L = 341.03
 R = 358.00
 PC STA. = 304+41.99
 PT STA. = 307+83.03
 e = RC

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

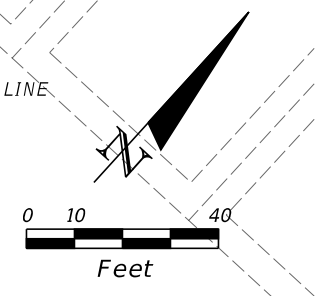
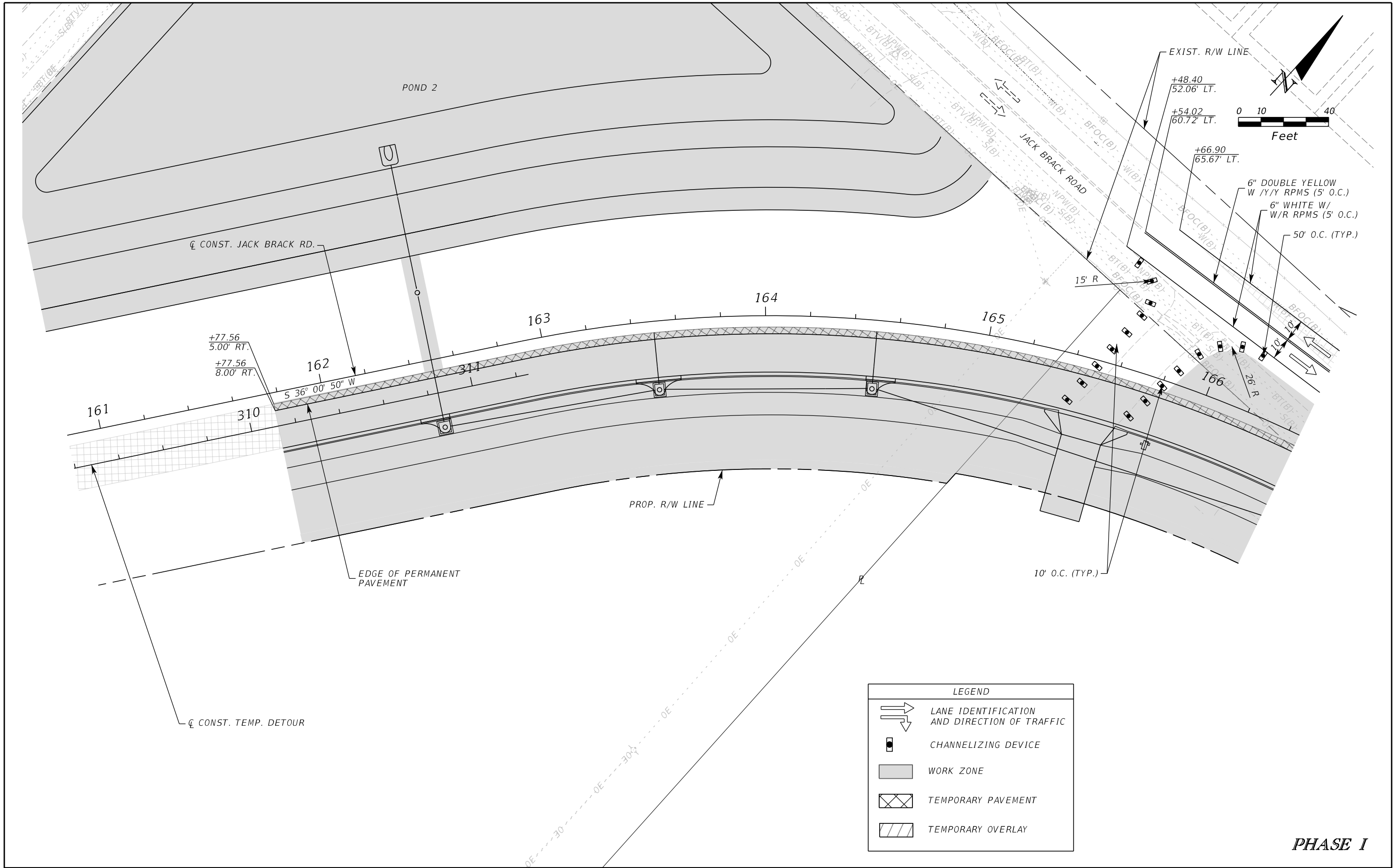
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

**SHEET NO.
452**

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY OVERLAY

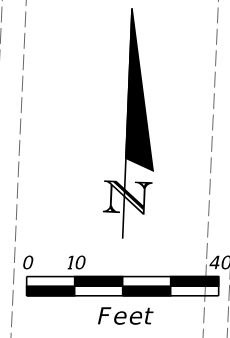
PHASE I

REVISIONS			DATE	BY	DESCRIPTION	JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 453

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BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



6" DOUBLE YELLOW
(6'-10' SKIP)

6" DOUBLE YELLOW
W /Y/Y RPMS (40' O.C.)

6" WHITE W/
W/R RPMS (5' O.C.)

6" DOUBLE YELLOW
W /Y/Y RPMS (5' O.C.)

6" WHITE W/
W/R RPMS (5' O.C.)

PROP. R/W LINE
EXIST. R/W LINE

6" DOUBLE YELLOW
W /Y/Y RPMS (40' O.C.)

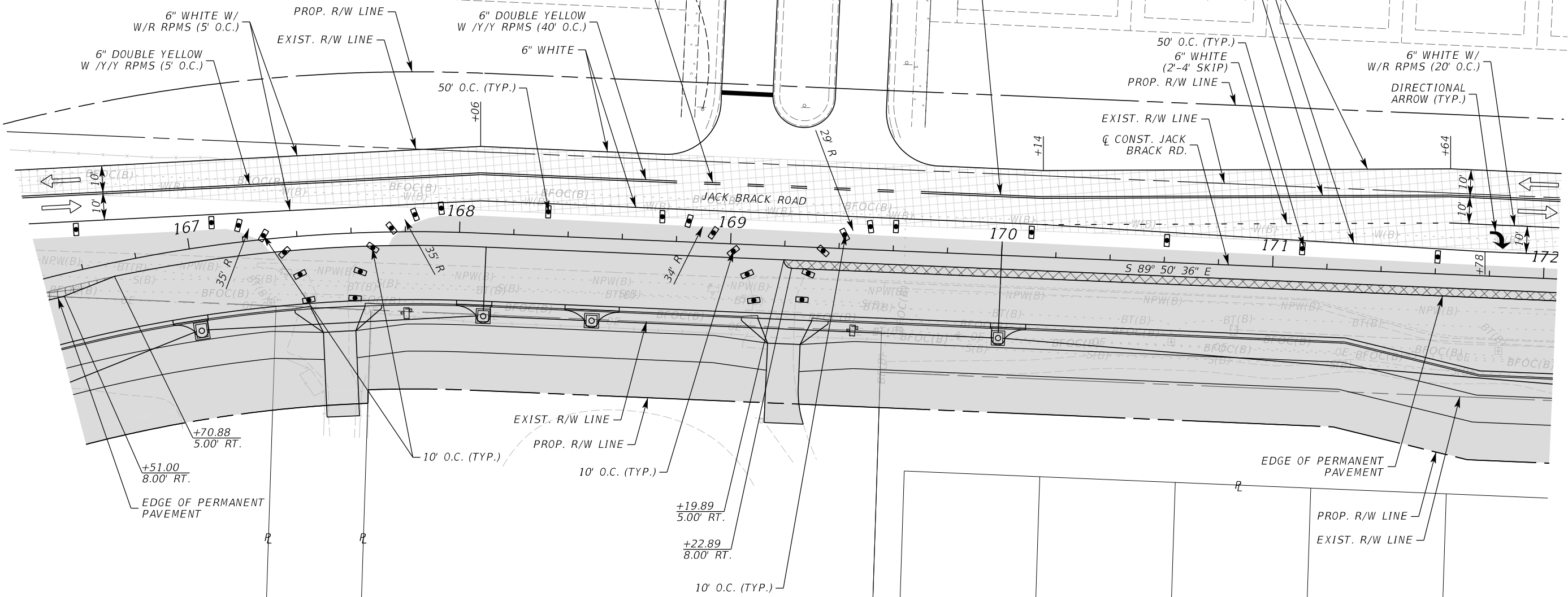
6" WHITE

50' O.C. (TYP.)
6" WHITE
(2'-4' SKIP)

6" WHITE W/
W/R RPMS (20' O.C.)

DIRECTIONAL
ARROW (TYP.)

EXIST. R/W LINE
C CONST. JACK
BRACK RD.



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

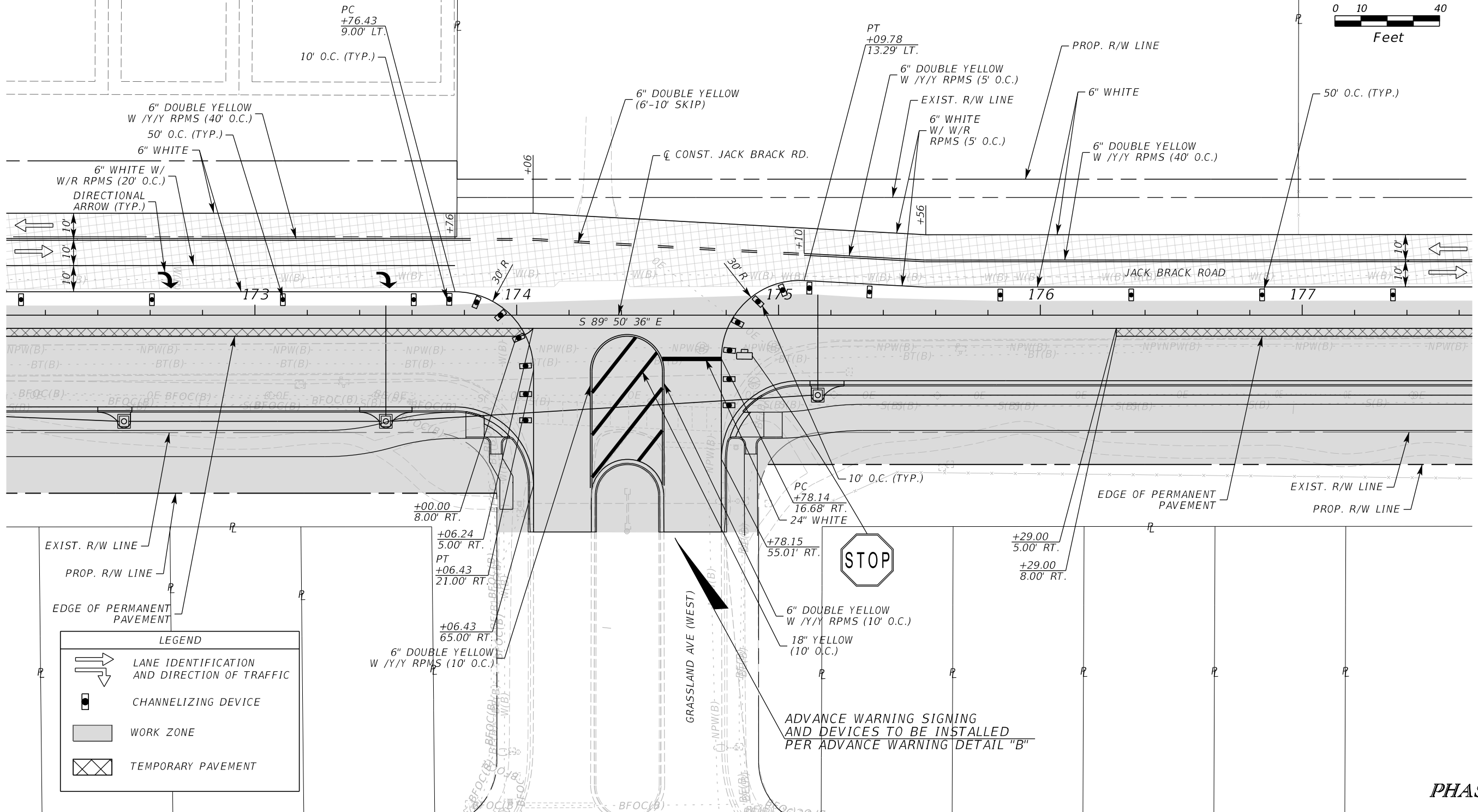
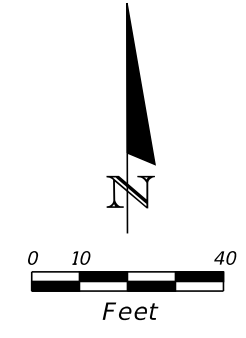
OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
454

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BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT



ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

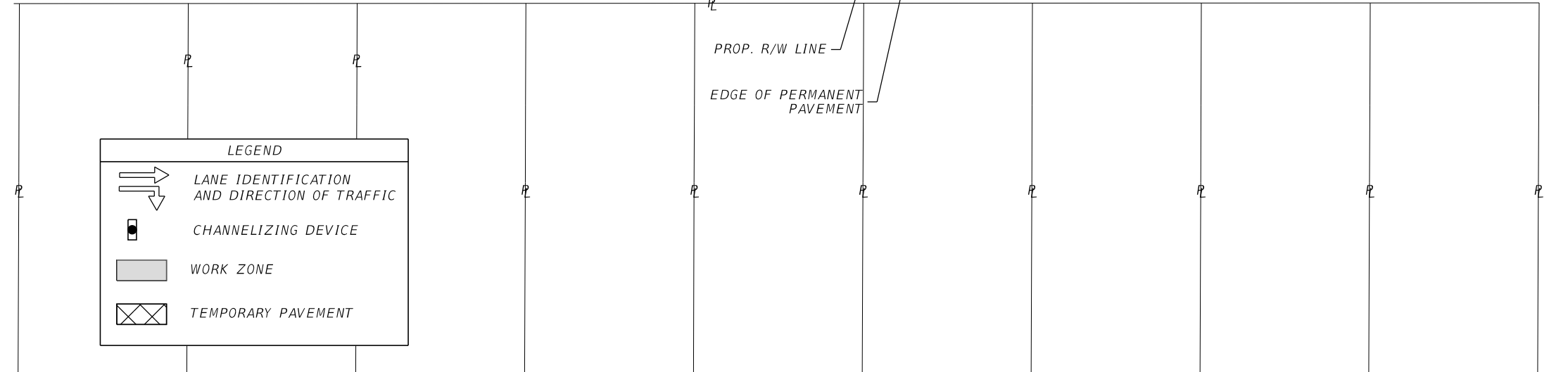
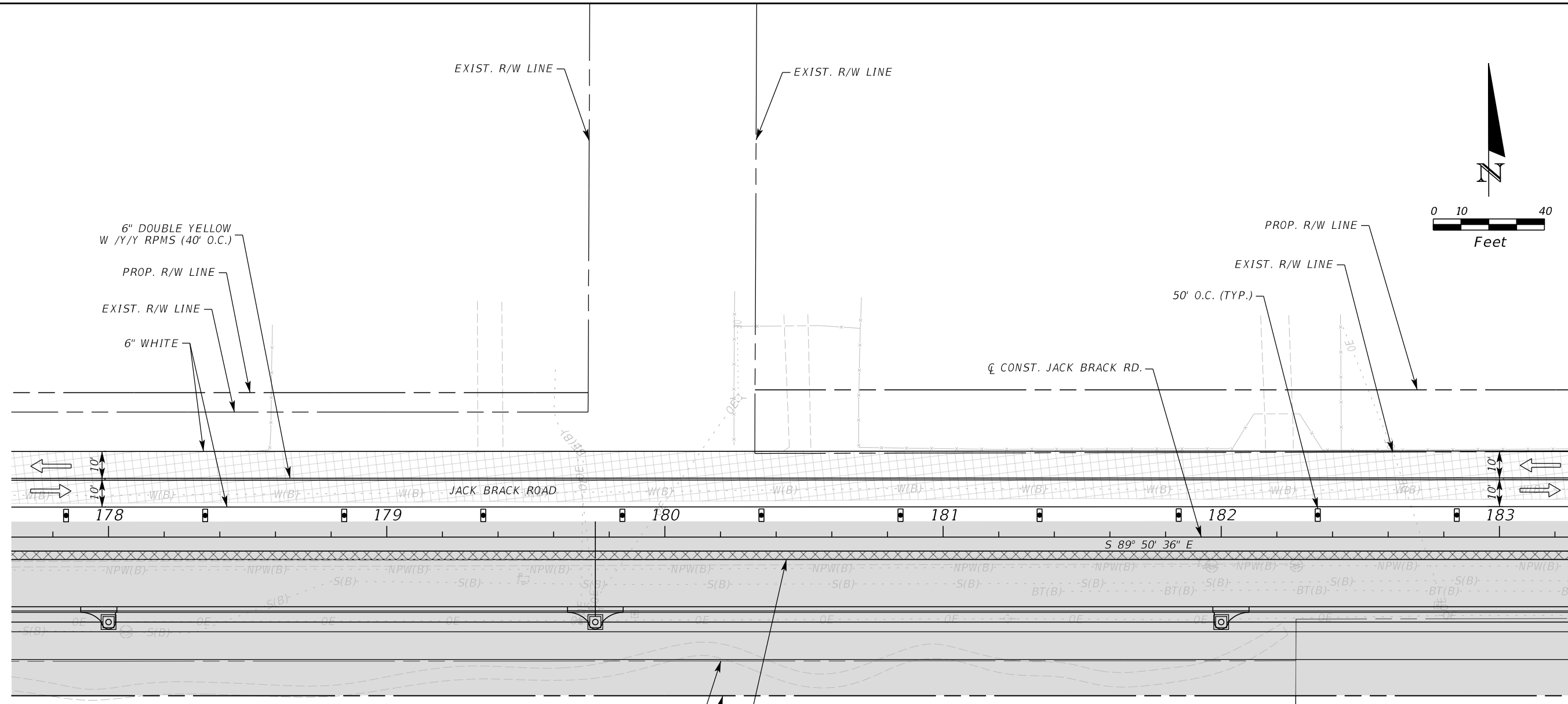
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
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1 Courthouse Square, Suite 1100
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
455

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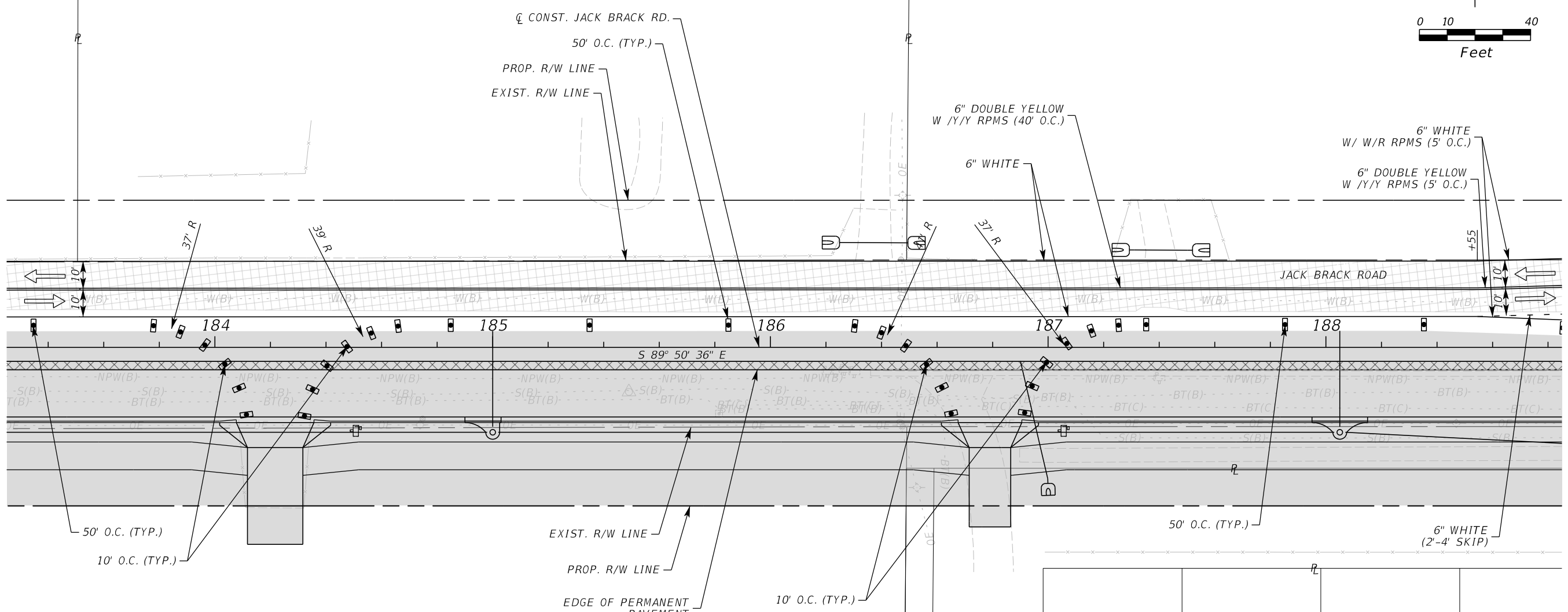
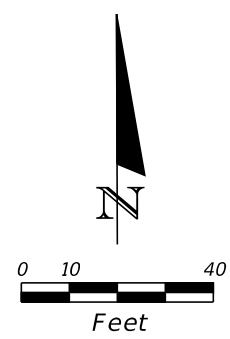
LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS			DATE	BY	DESCRIPTION
NO.	DATE	DESCRIPTION			

JACK BRACK ROAD WIDENING	ENGINEER OF RECORD Kevin Joseph Iannarone, PE PE No. 71527 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765	OSCEOLA COUNTY ENGINEERING DEPARTMENT 1 Courthouse Square, Suite 1100 Kissimmee, Florida 34741-5488 Voice: (407) 343-2600 Fax (407) 343-2623	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 456
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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

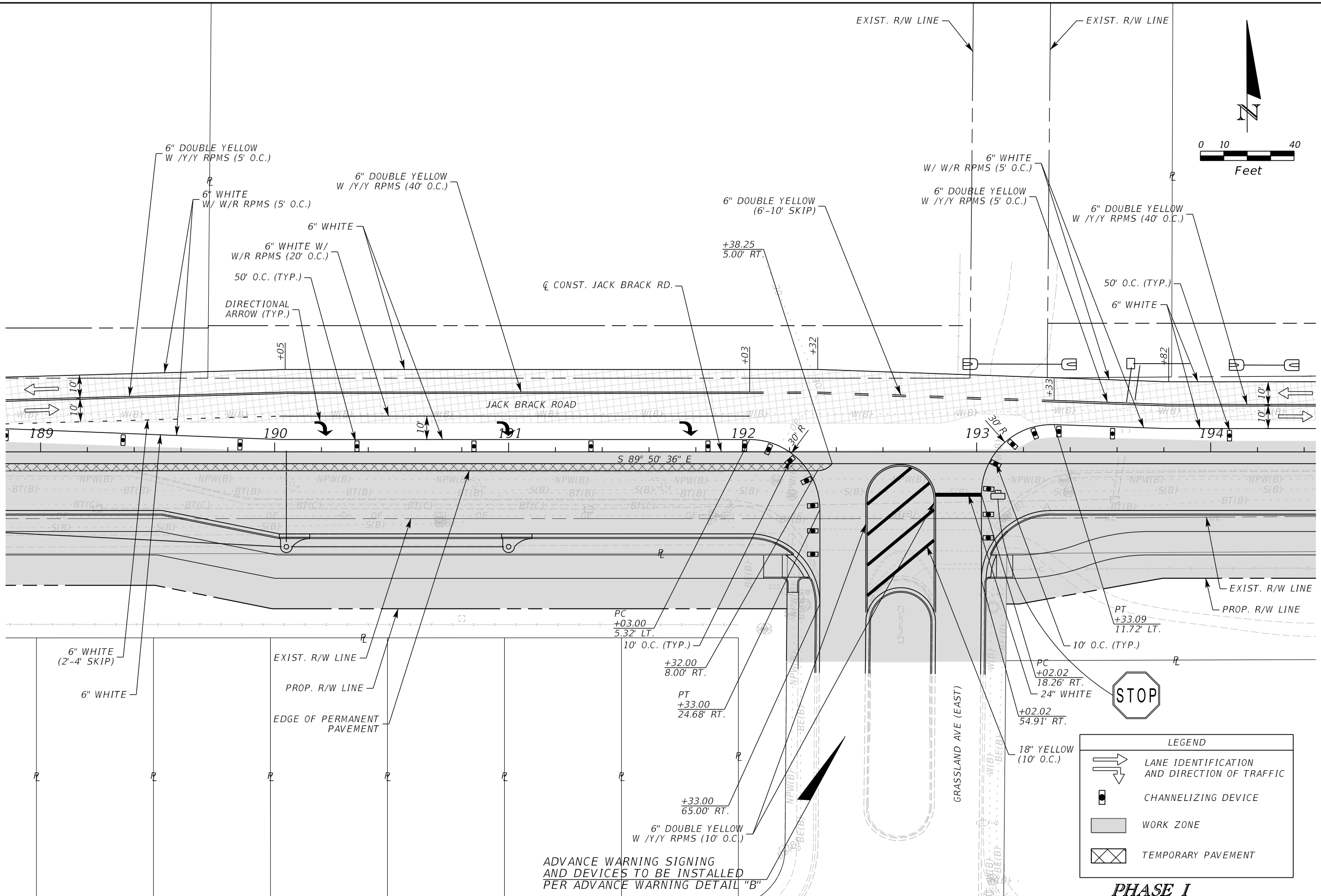
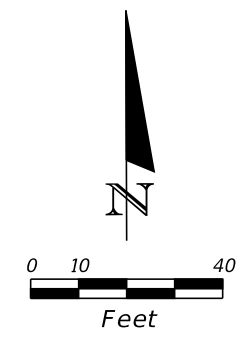
**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
457

PHASE I

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LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

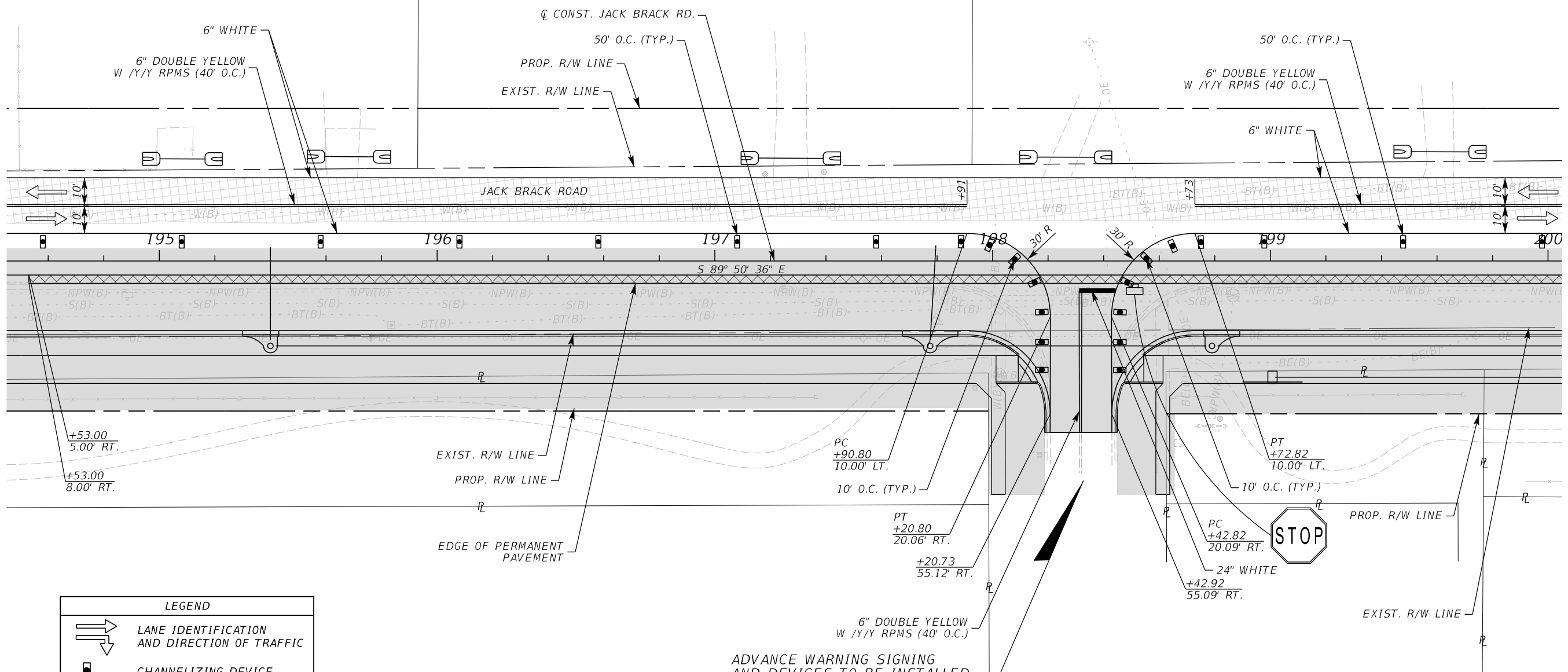
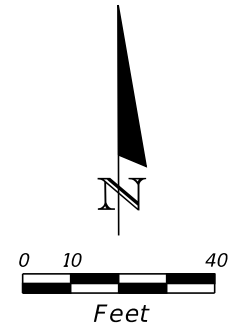
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY ENGINEERING DEPARTMENT
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
458

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

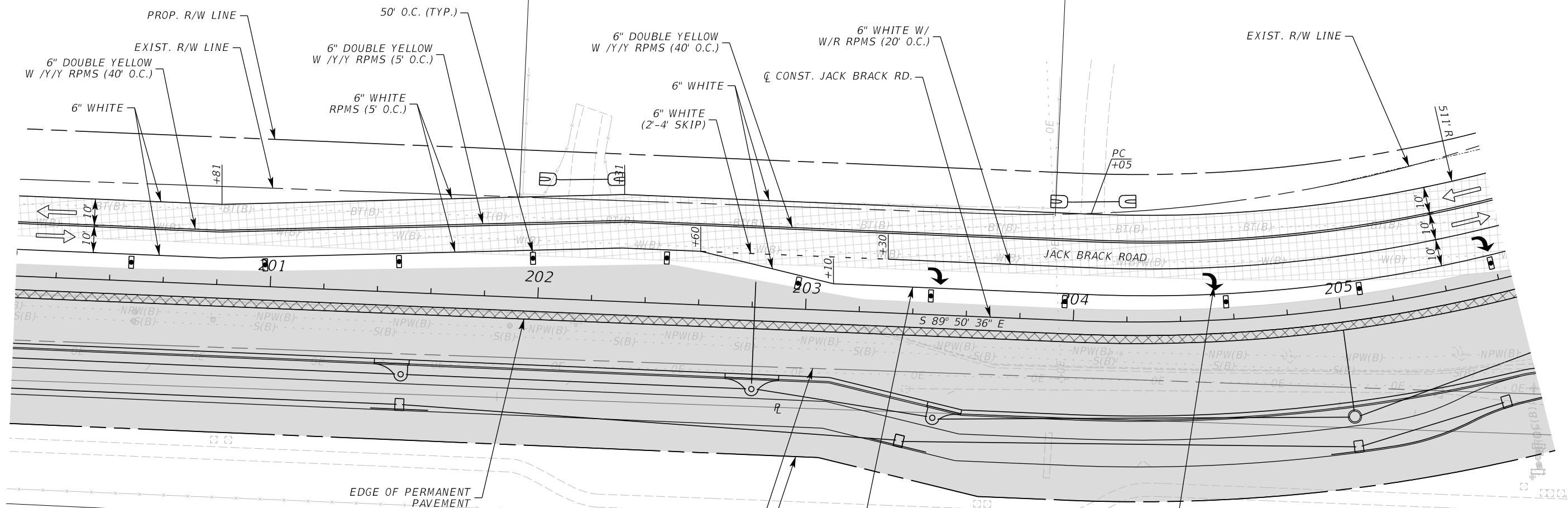
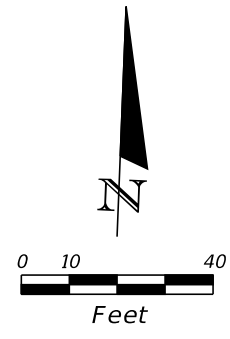
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
459

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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 Oviedo, Florida 32765

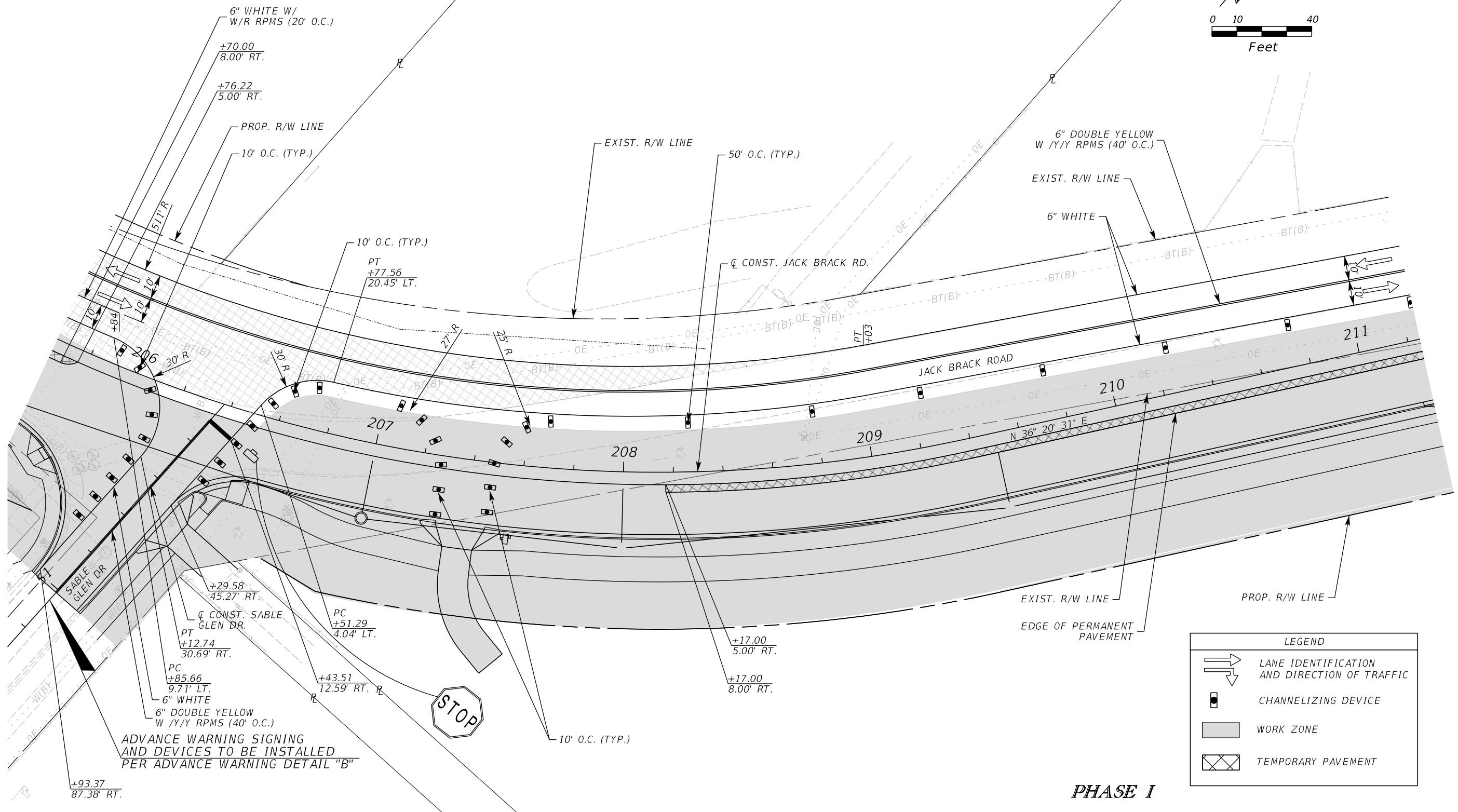
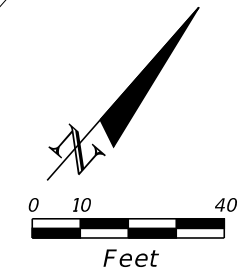
**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
460

PHASE I

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

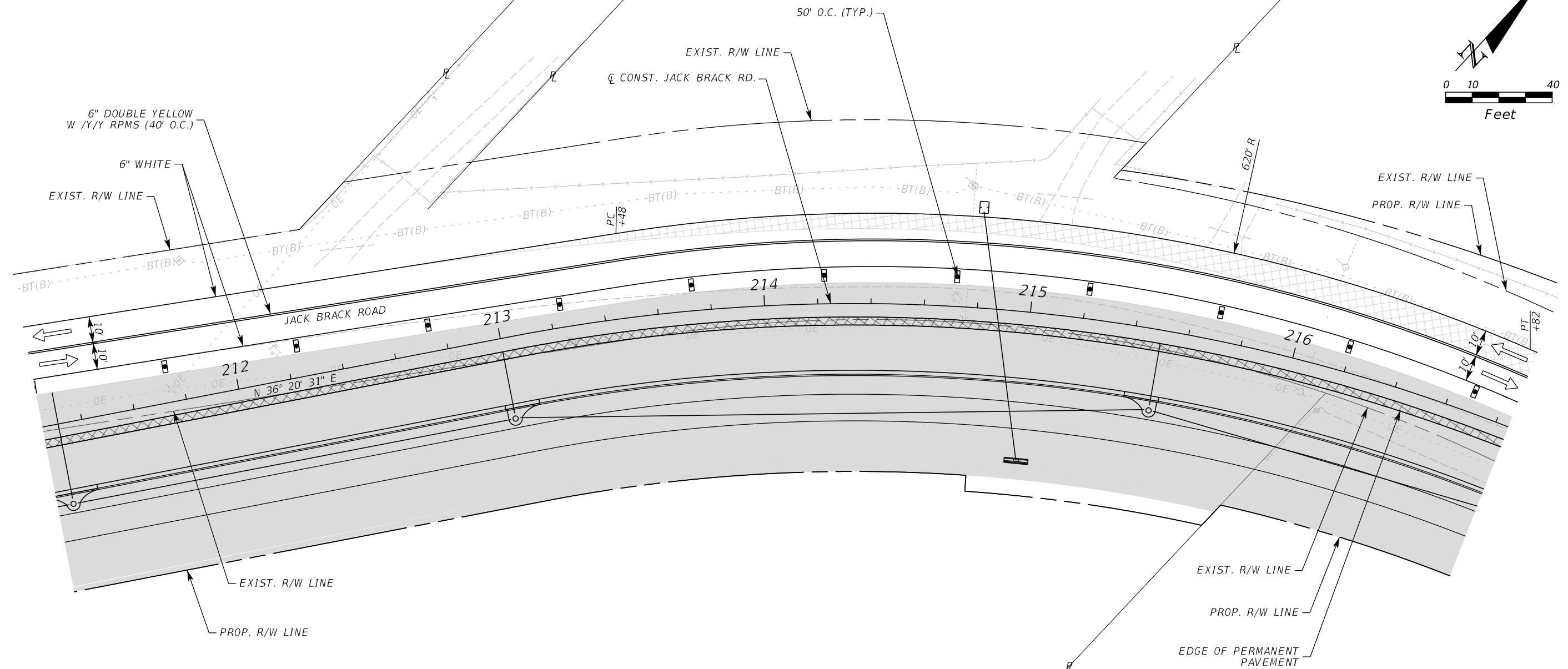
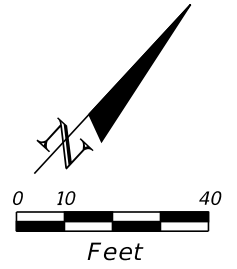
ENGINEER OF RECORD
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Oviedo, Florida 32765

OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
461

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

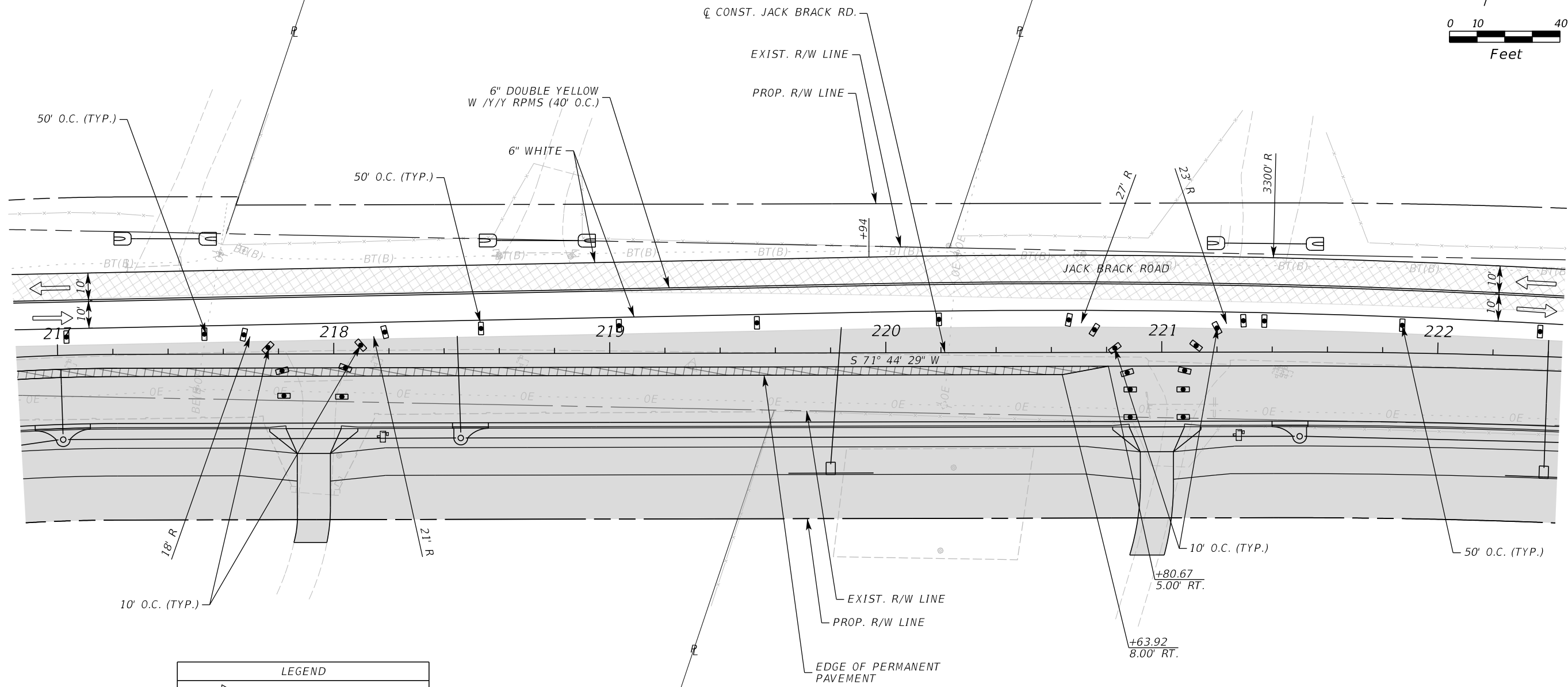
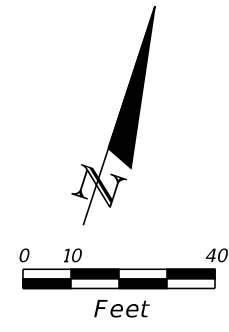


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ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
462

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

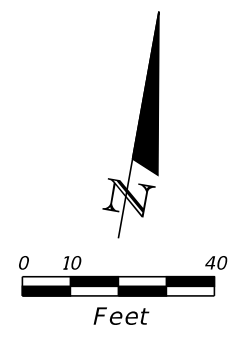
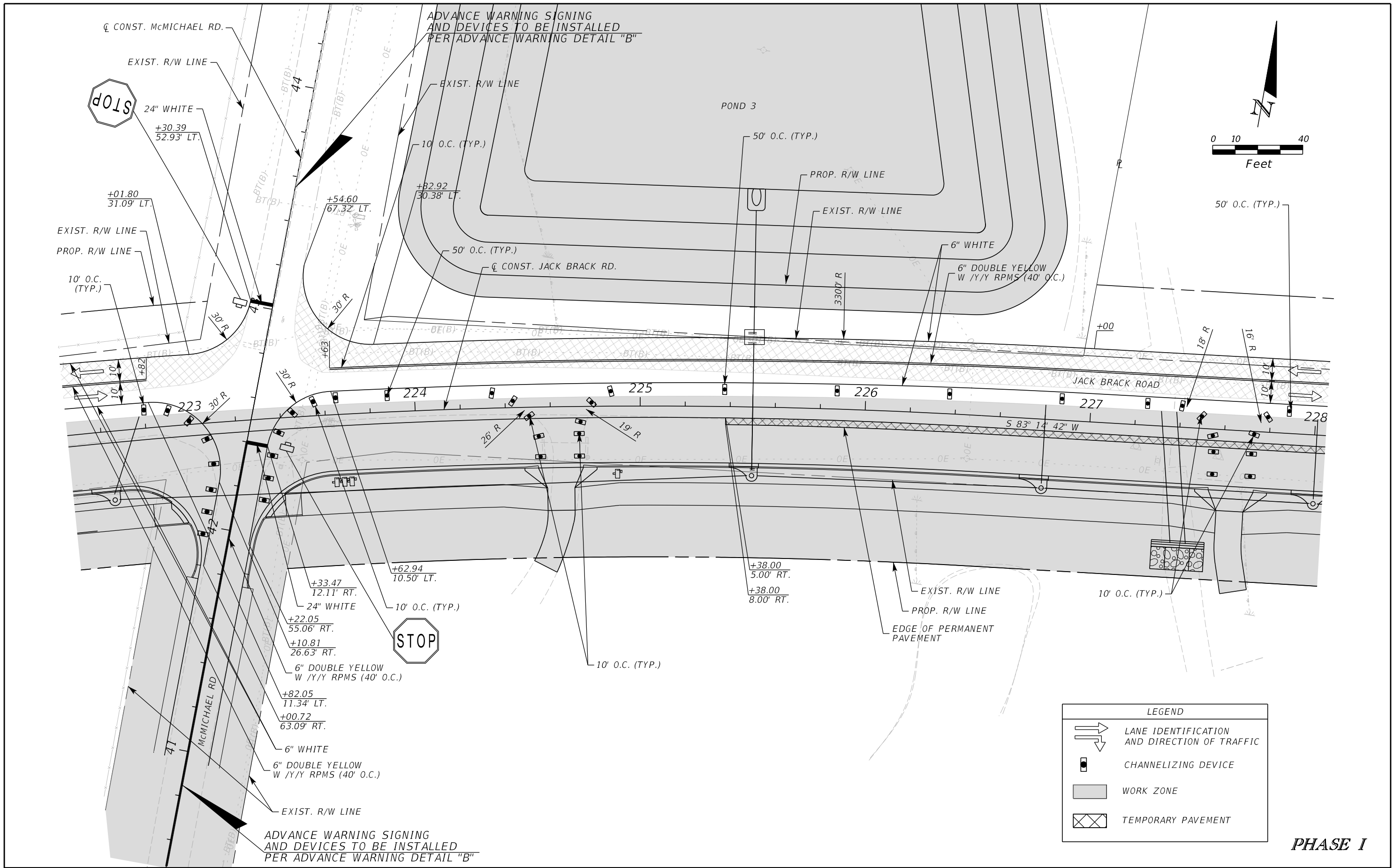
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
463

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

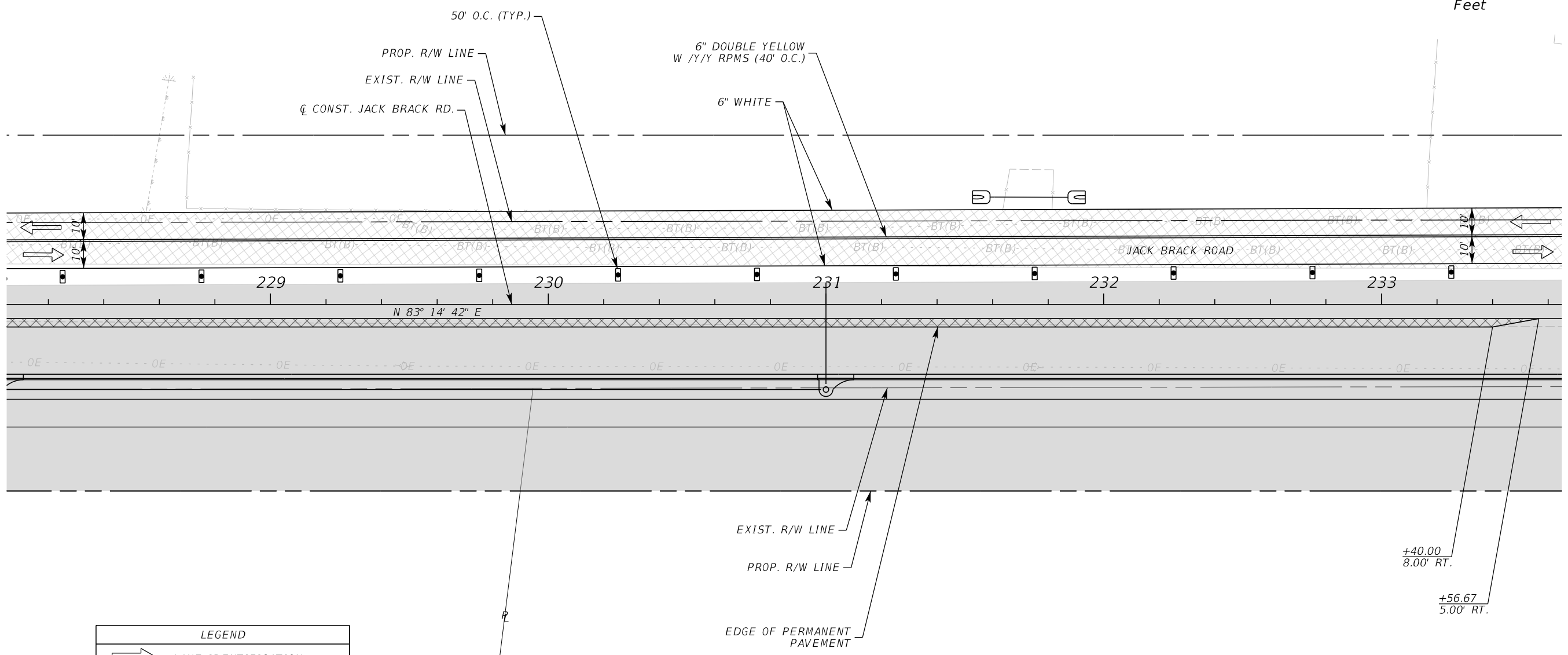
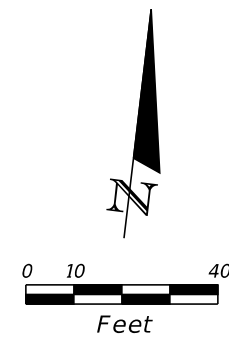
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

OSCEOLA COUNTY
ENGINEERING DEPARTMENT
1 Courthouse Square, Suite 1100
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Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
464

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

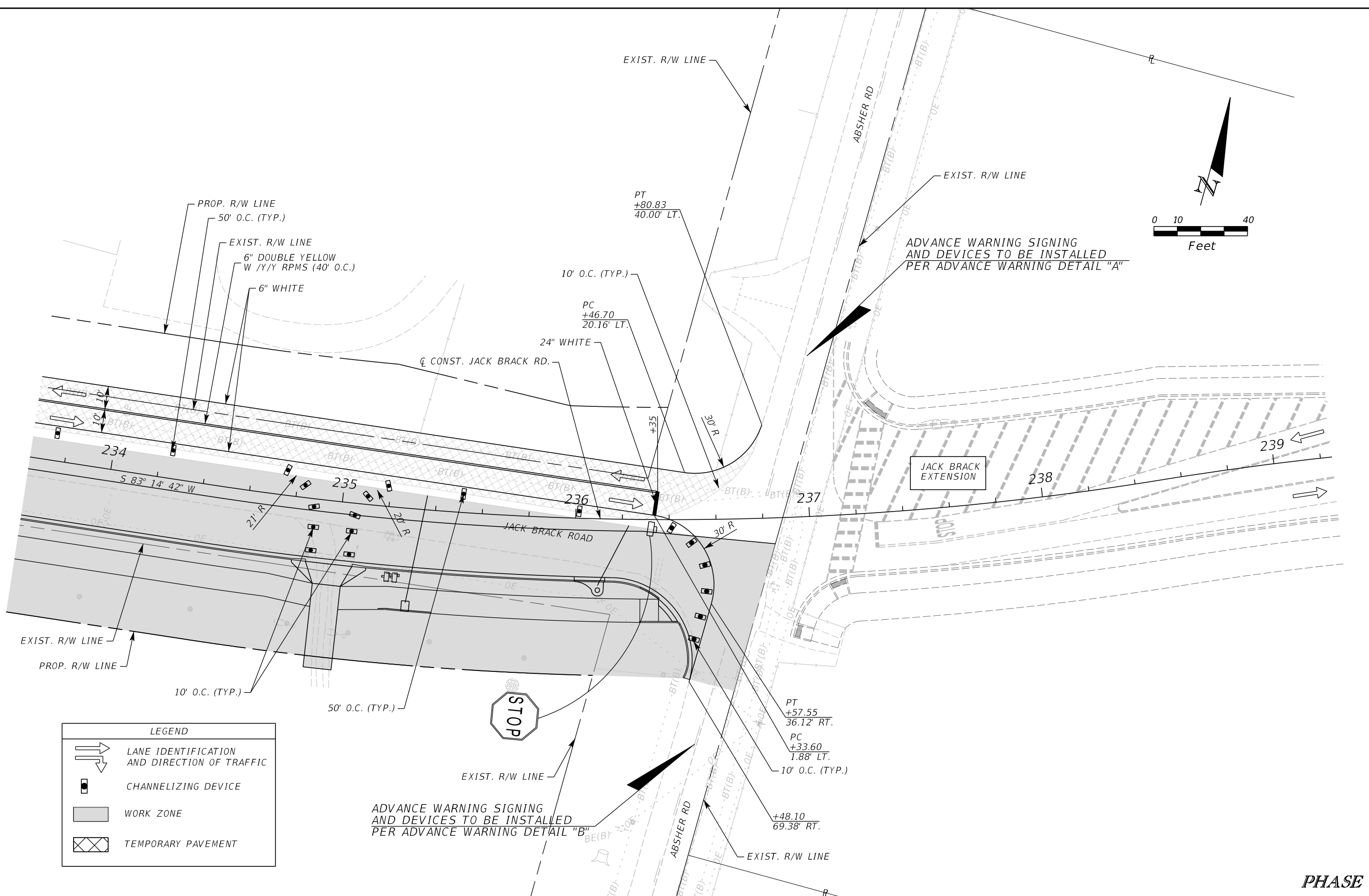
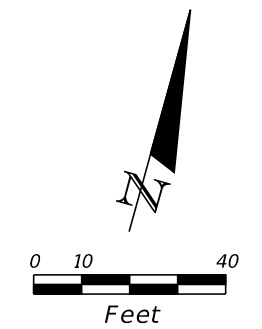
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Inwood Consulting Engineers, Inc.
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**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
465

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT



PHASE I

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

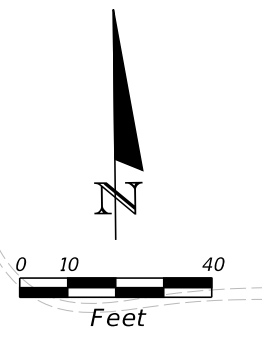
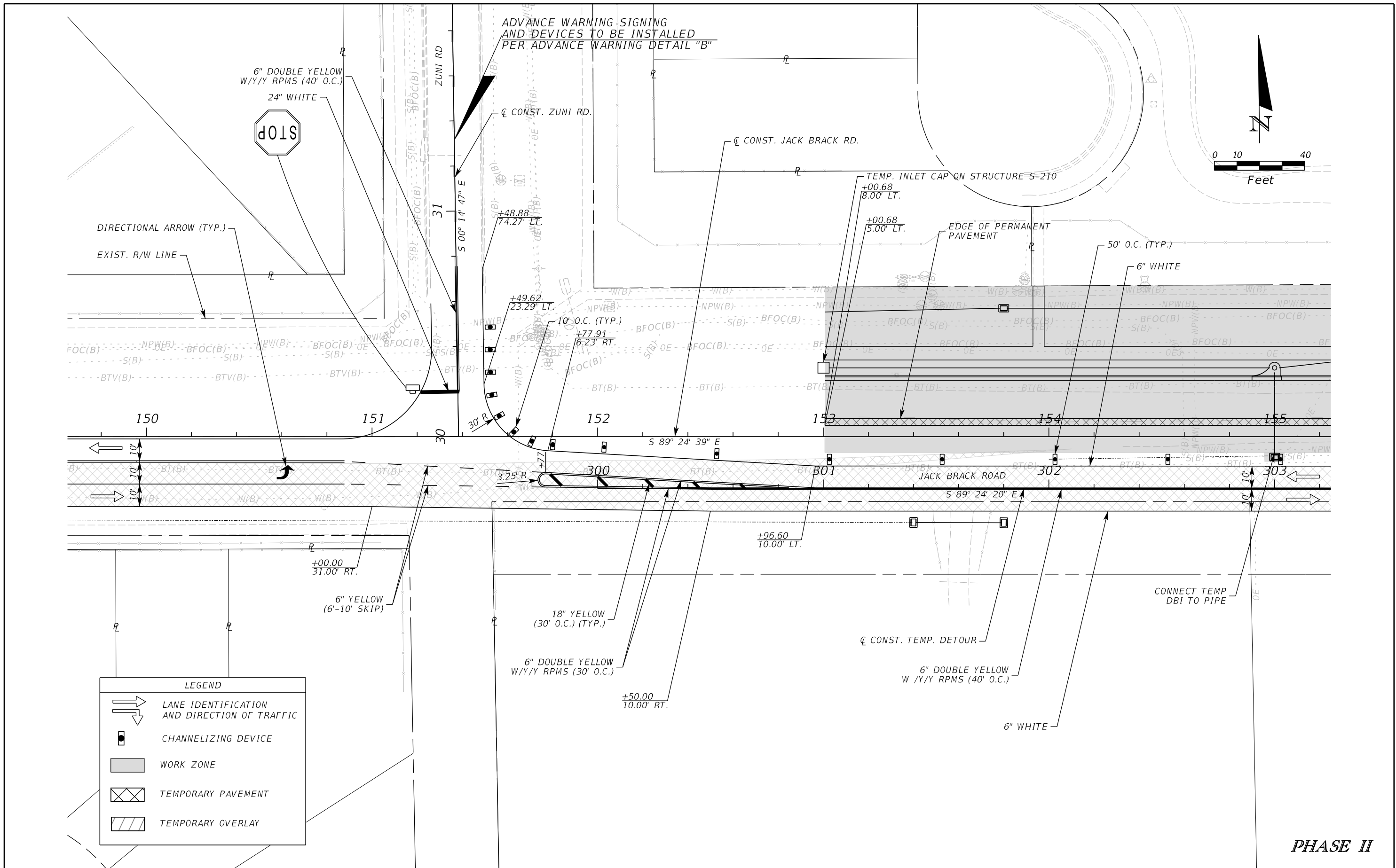
ENGINEER OF RECORD
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Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
466

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LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY OVERLAY

REVISIONS

DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

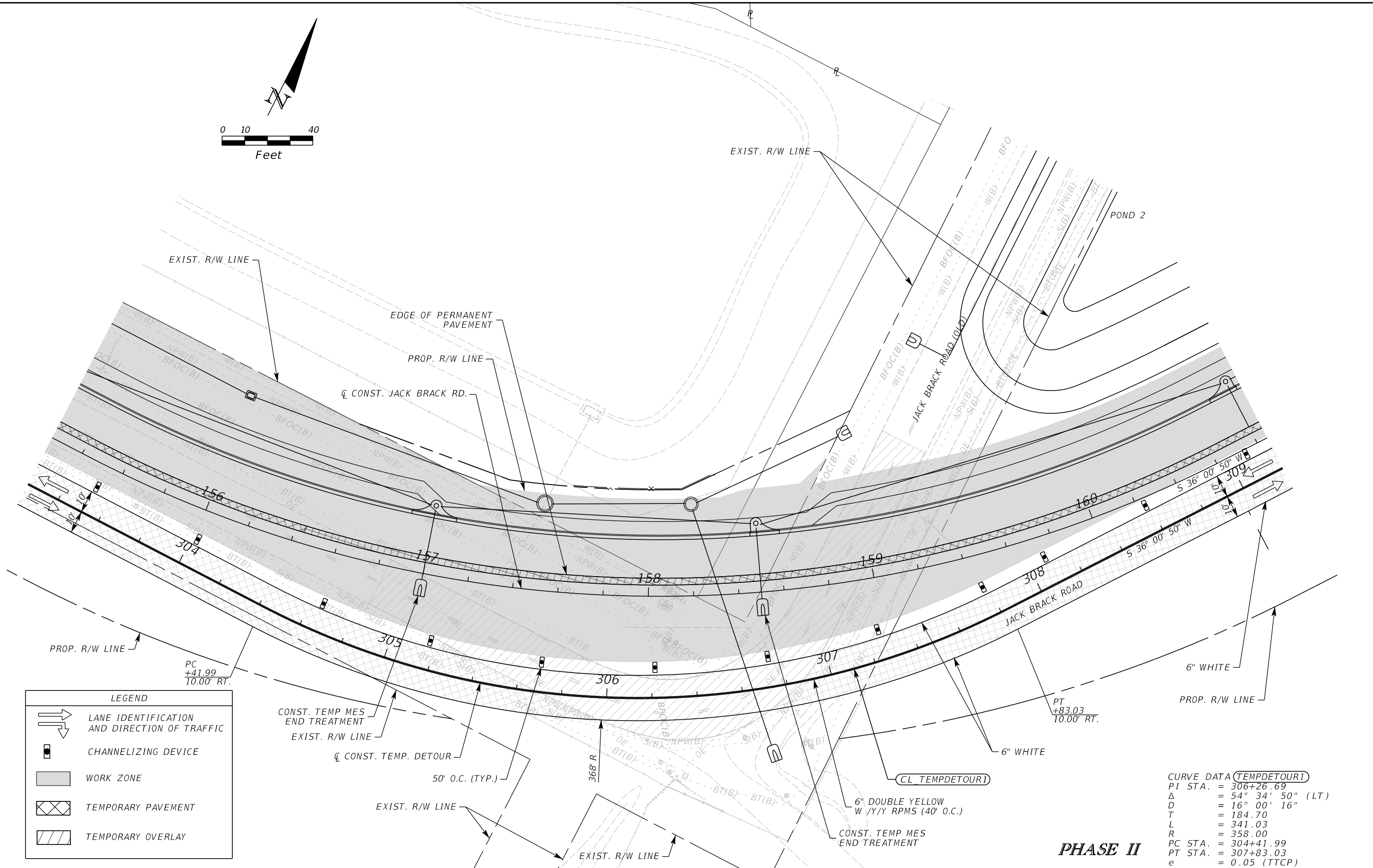
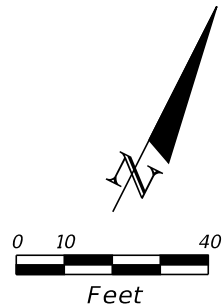
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
467

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY OVERLAY

CURVE DATA (TEMPDETOUR1)	
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Δ	= 54° 34' 50" (LT)
D	= 16° 00' 16"
T	= 184.70
L	= 341.03
R	= 358.00
PC STA.	= 304+41.99
PT STA.	= 307+83.03
e	= 0.05 (TTCP)

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

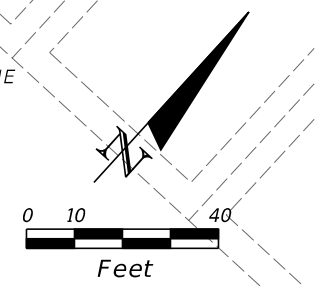
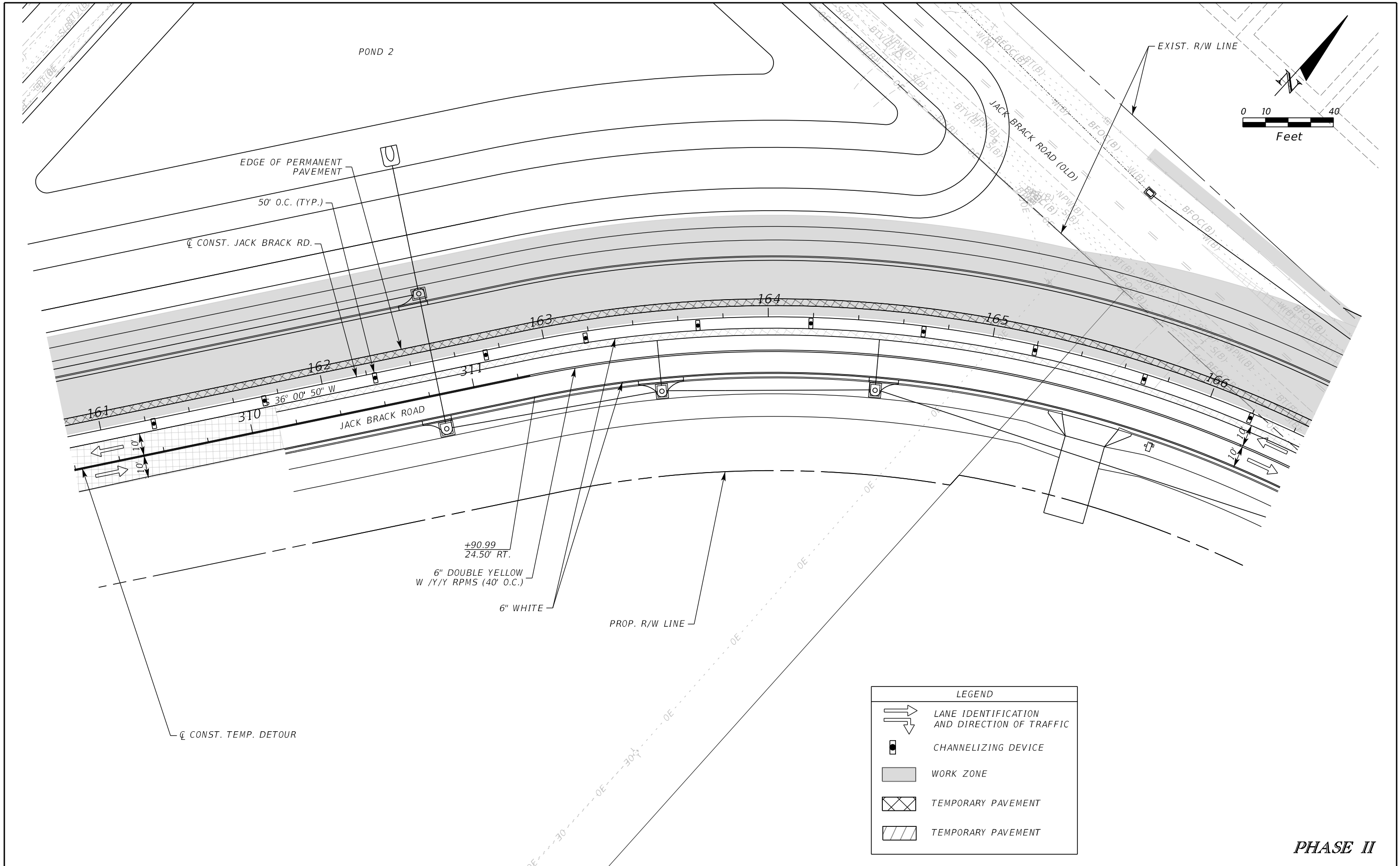
ENGINEER OF RECORD
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 Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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PHASE II TEMPORARY TRAFFIC CONTROL PLAN

SHEET
NO.
468

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

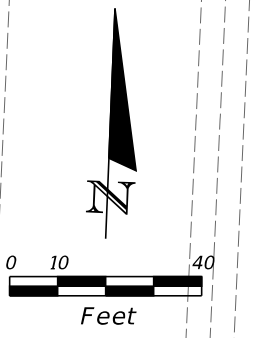
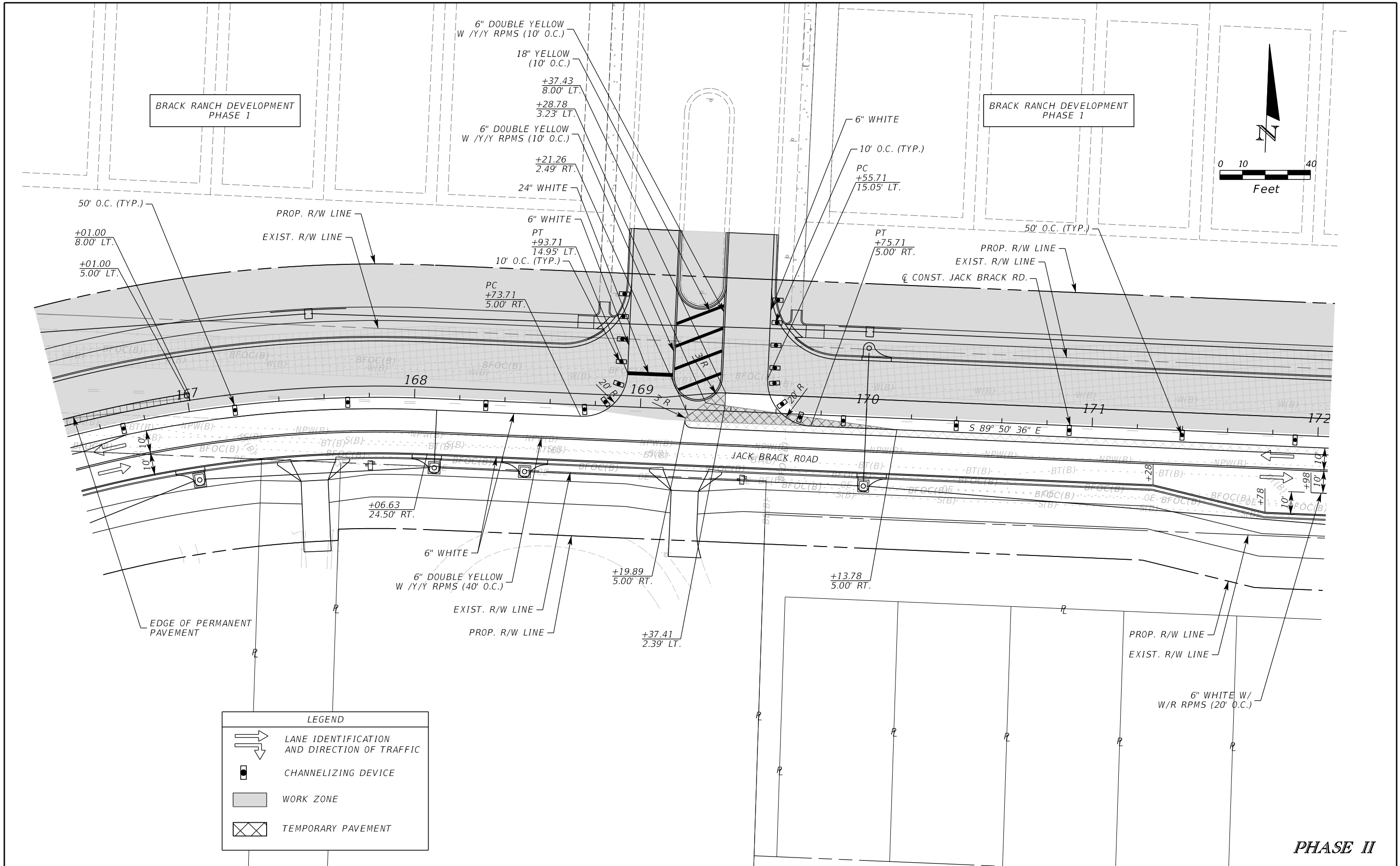


**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
469

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
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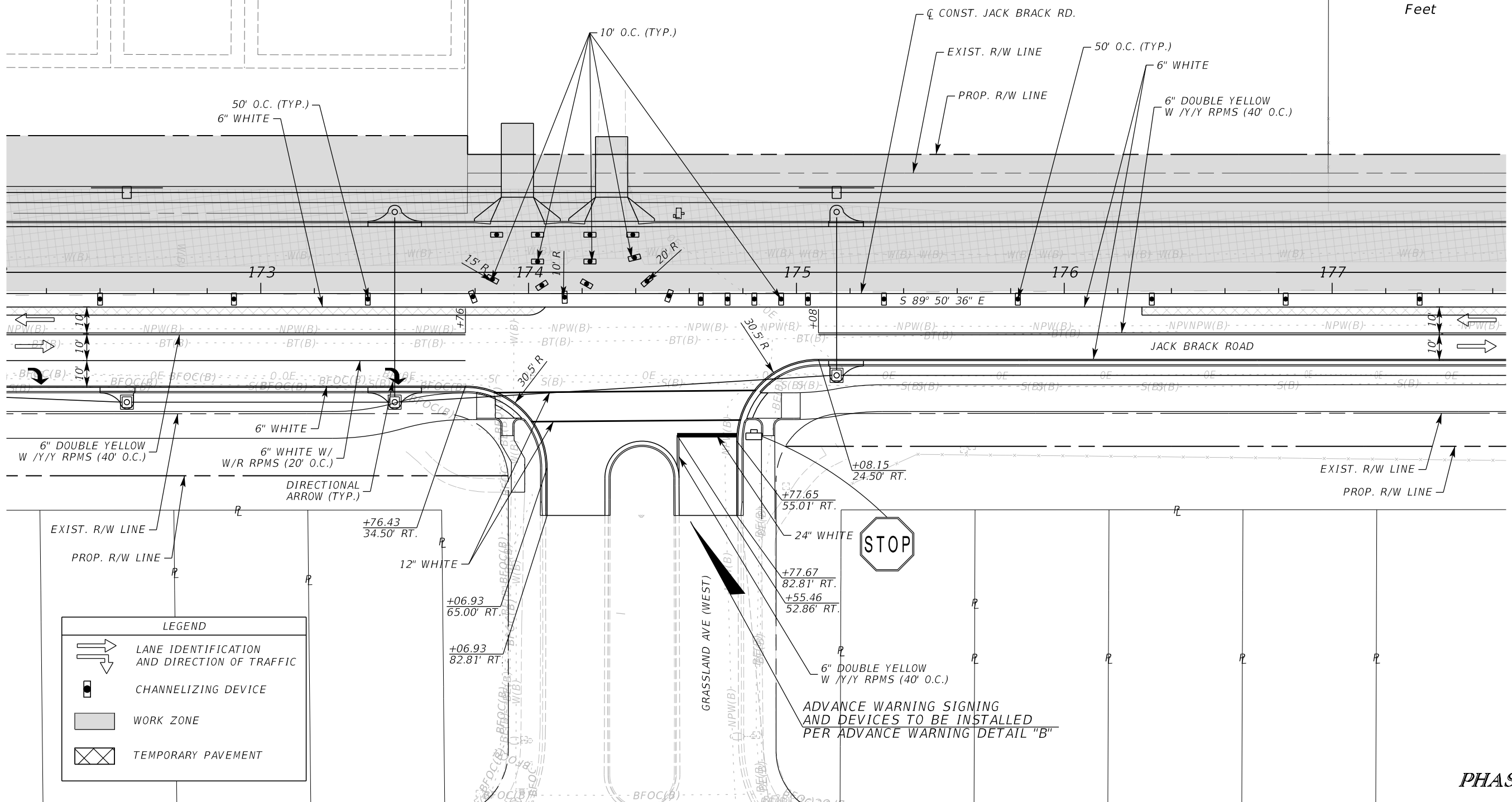
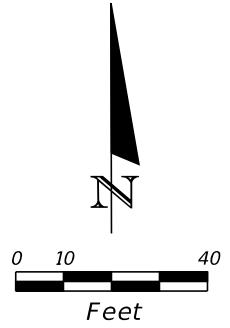
**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
470

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BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS

DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

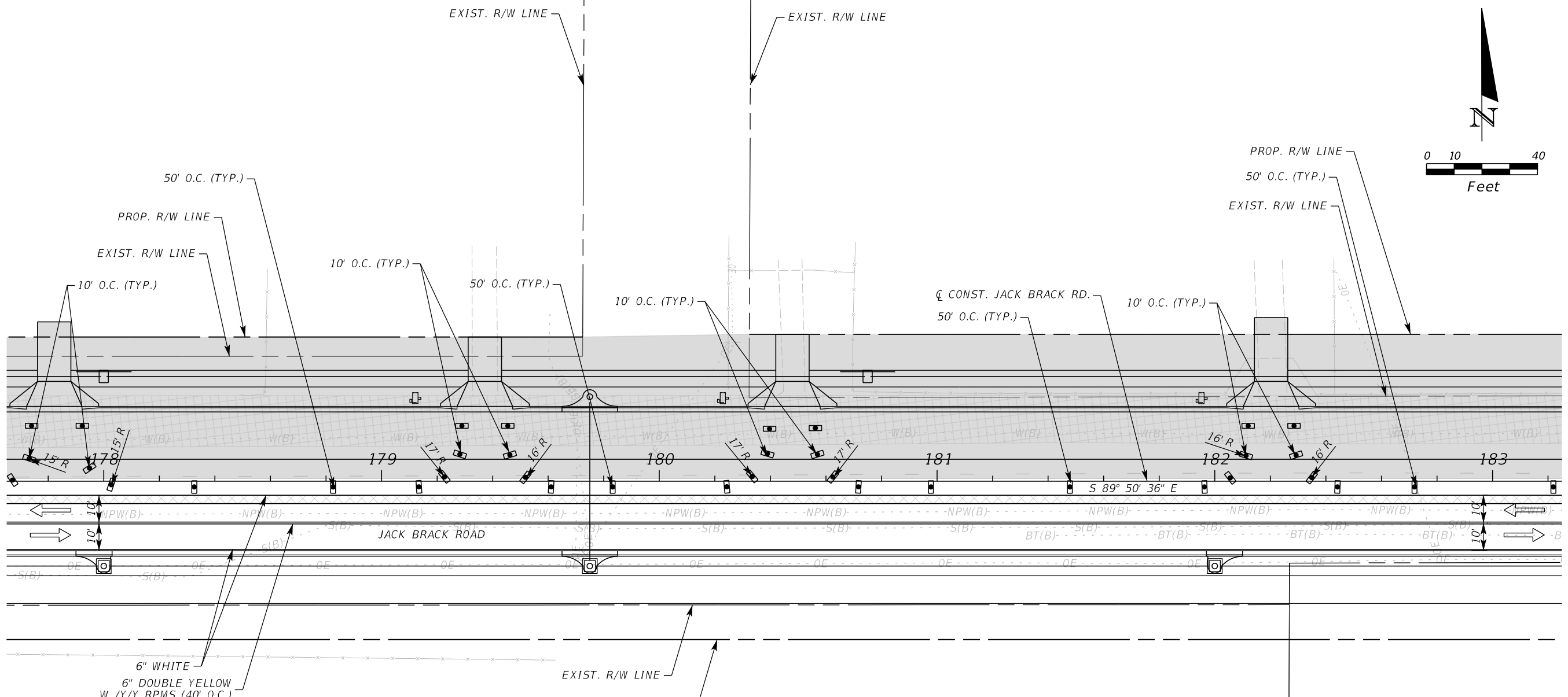
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765



**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
471

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

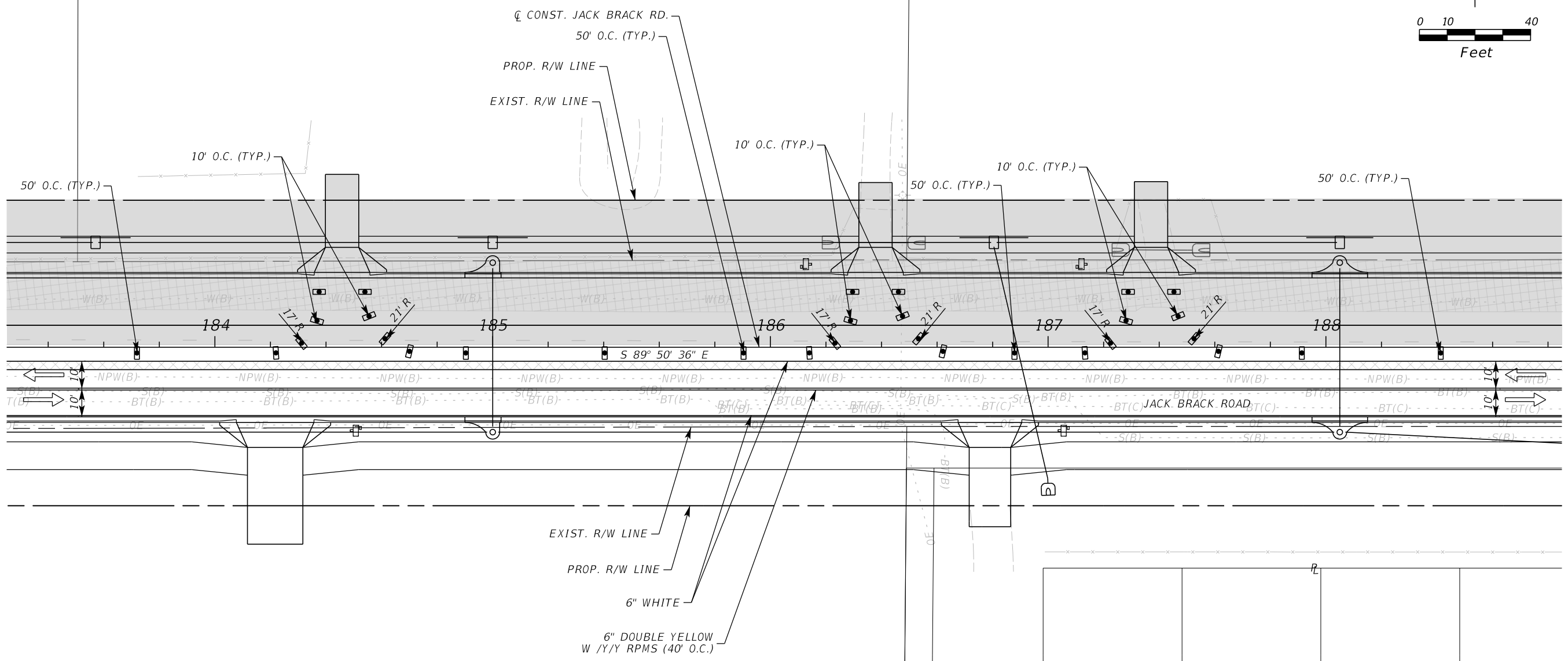
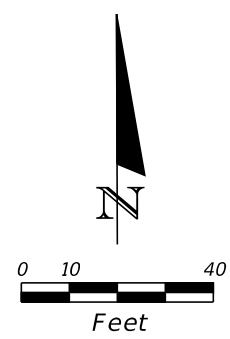
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Oviedo, Florida 32765

**OSCEOLA COUNTY
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 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
472

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

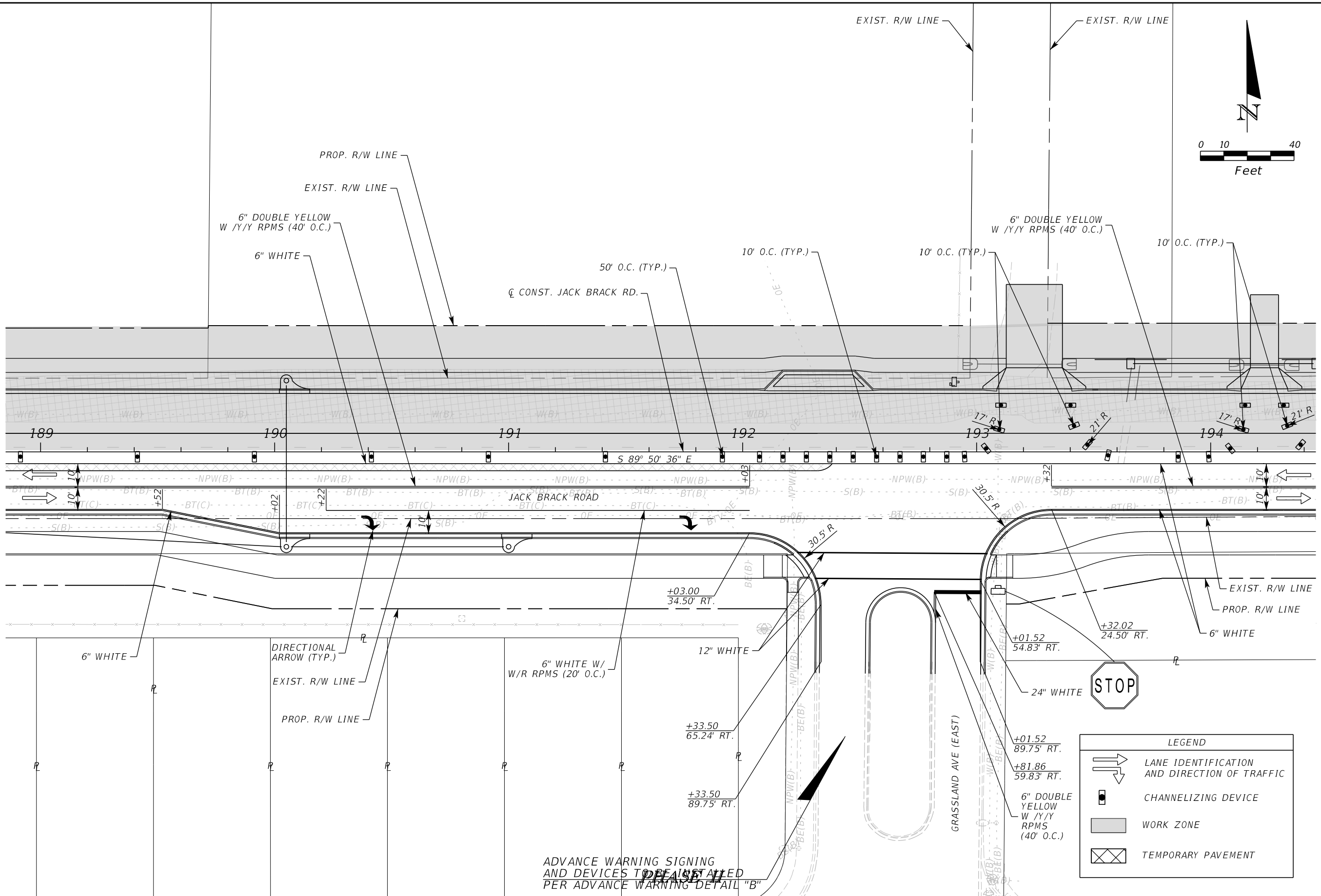
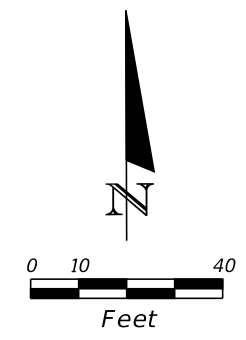
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 Oviedo, Florida 32765



**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
473

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

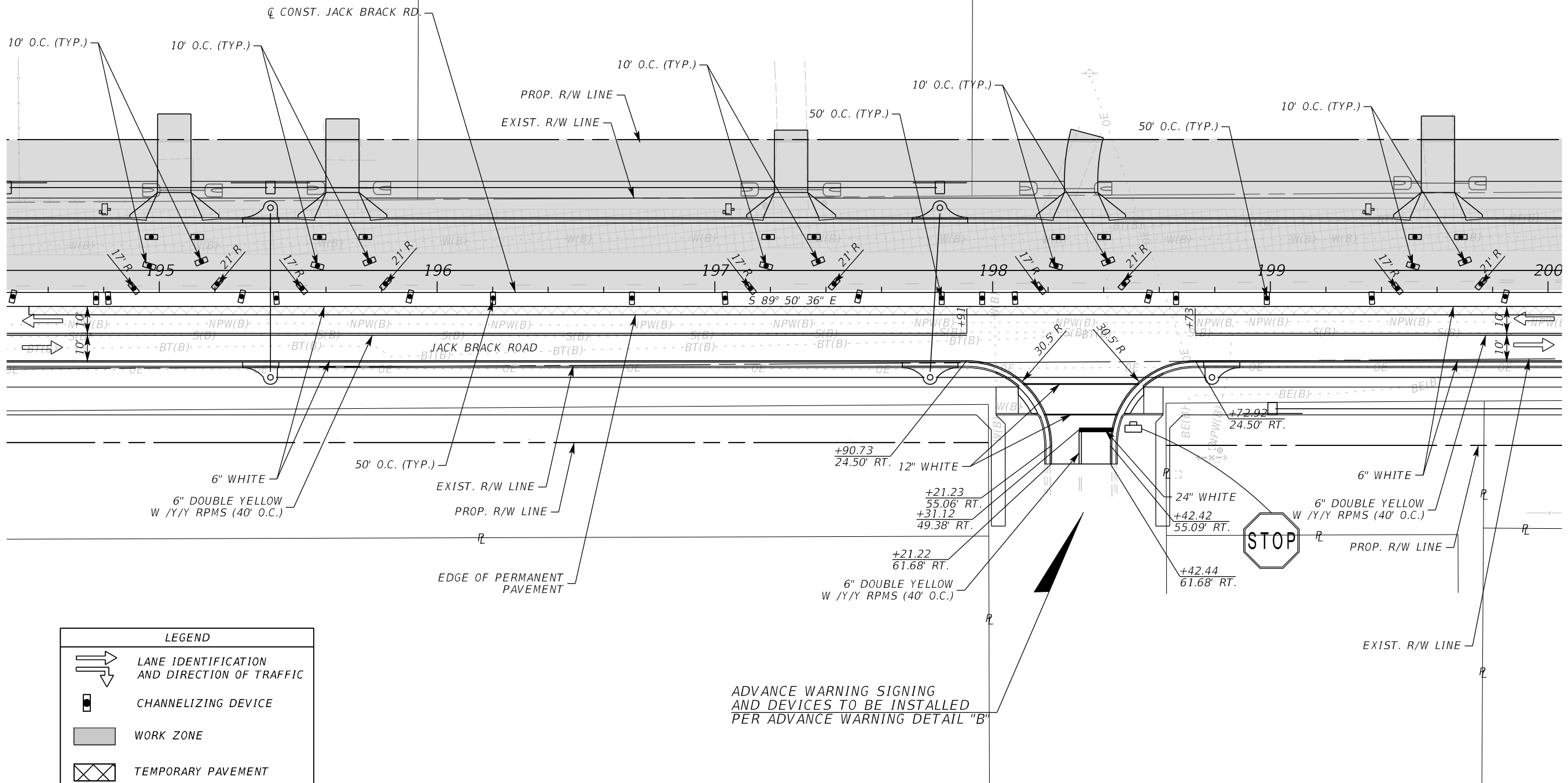
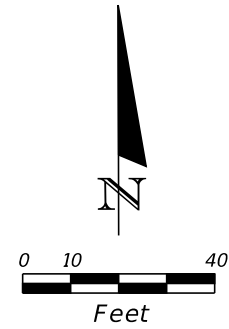
ENGINEER OF RECORD
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Oviedo, Florida 32765

**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
474

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

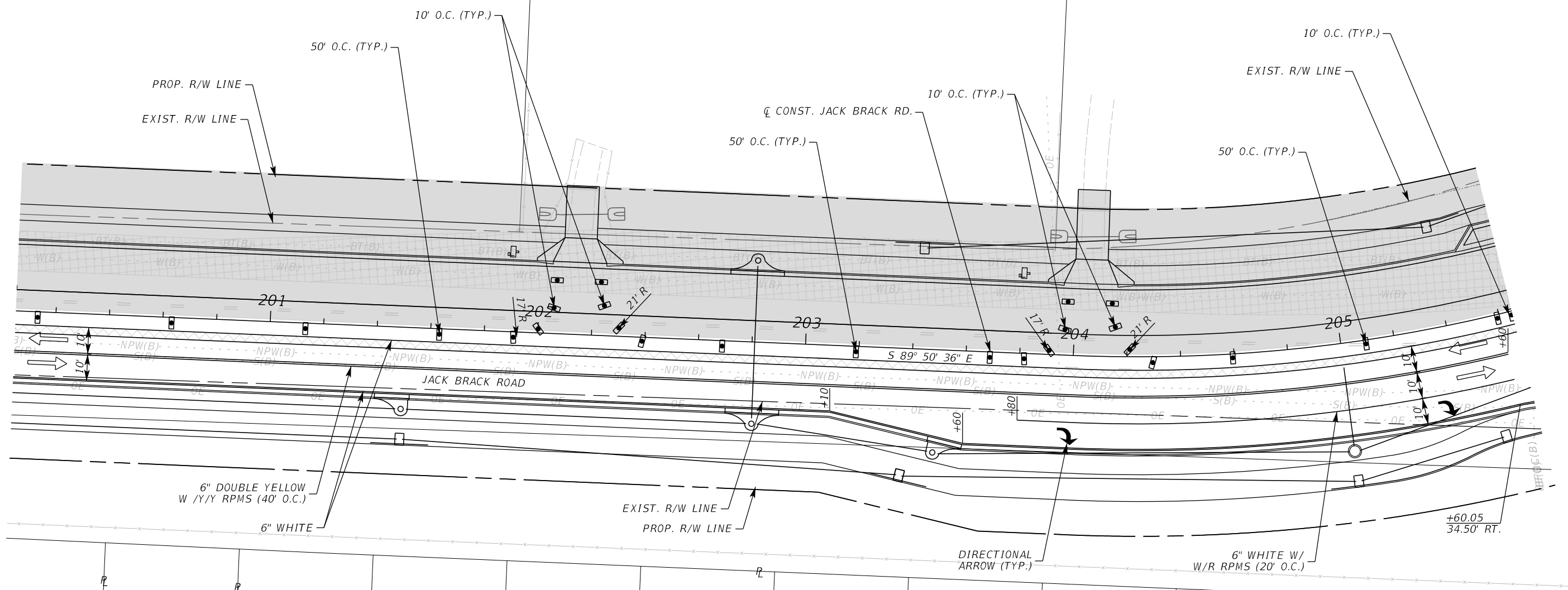
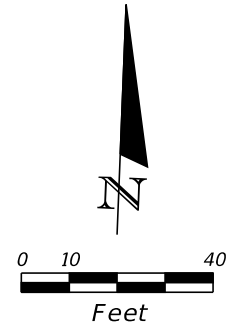
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OSCEOLA COUNTY
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
475

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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 Inwood Consulting Engineers, Inc.
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 Oviedo, Florida 32765

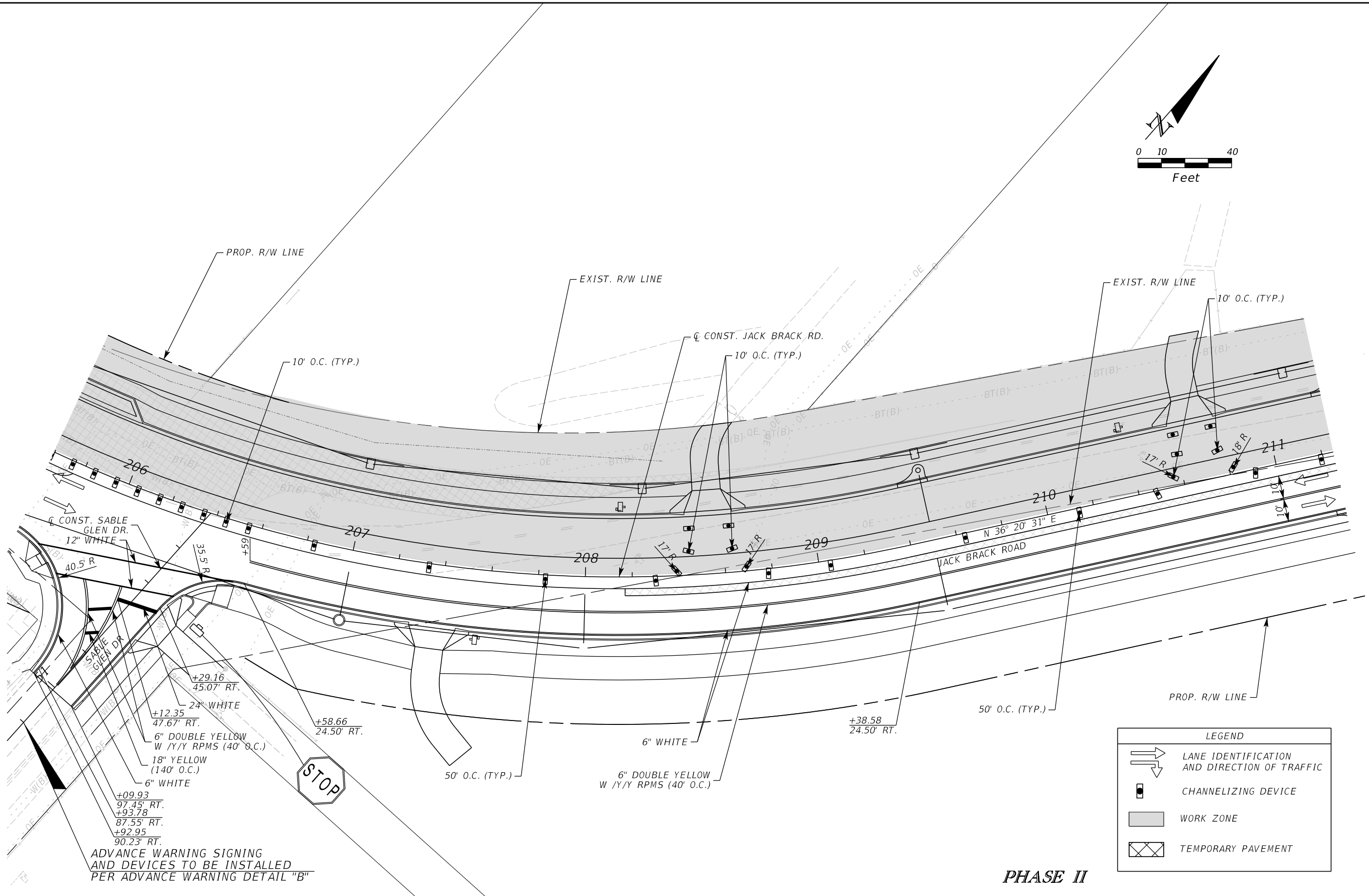
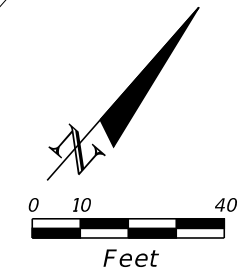
OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
476

PHASE II

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

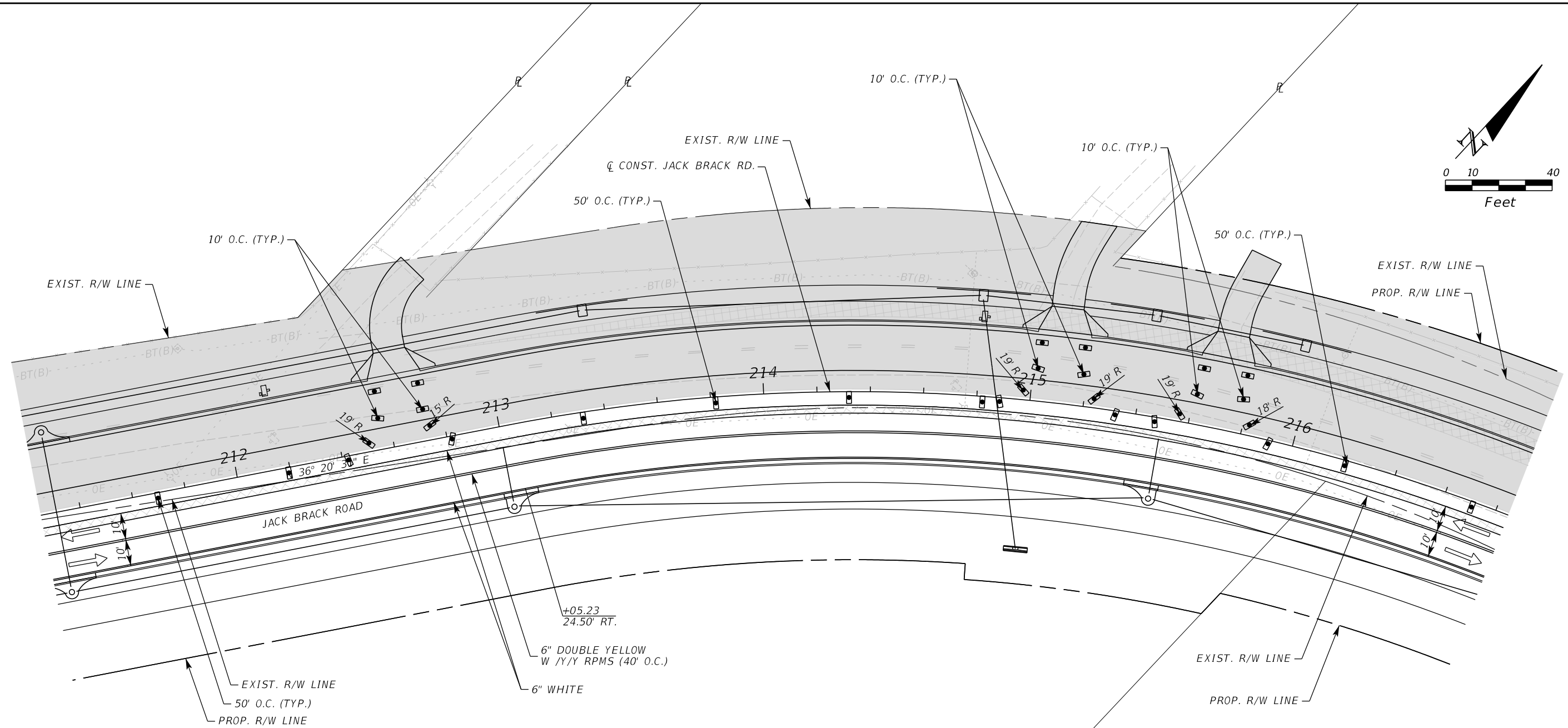
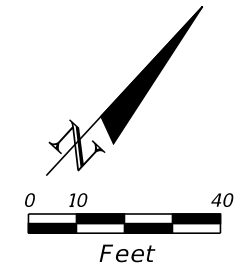
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
477

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

JACK BRACK ROAD WIDENING

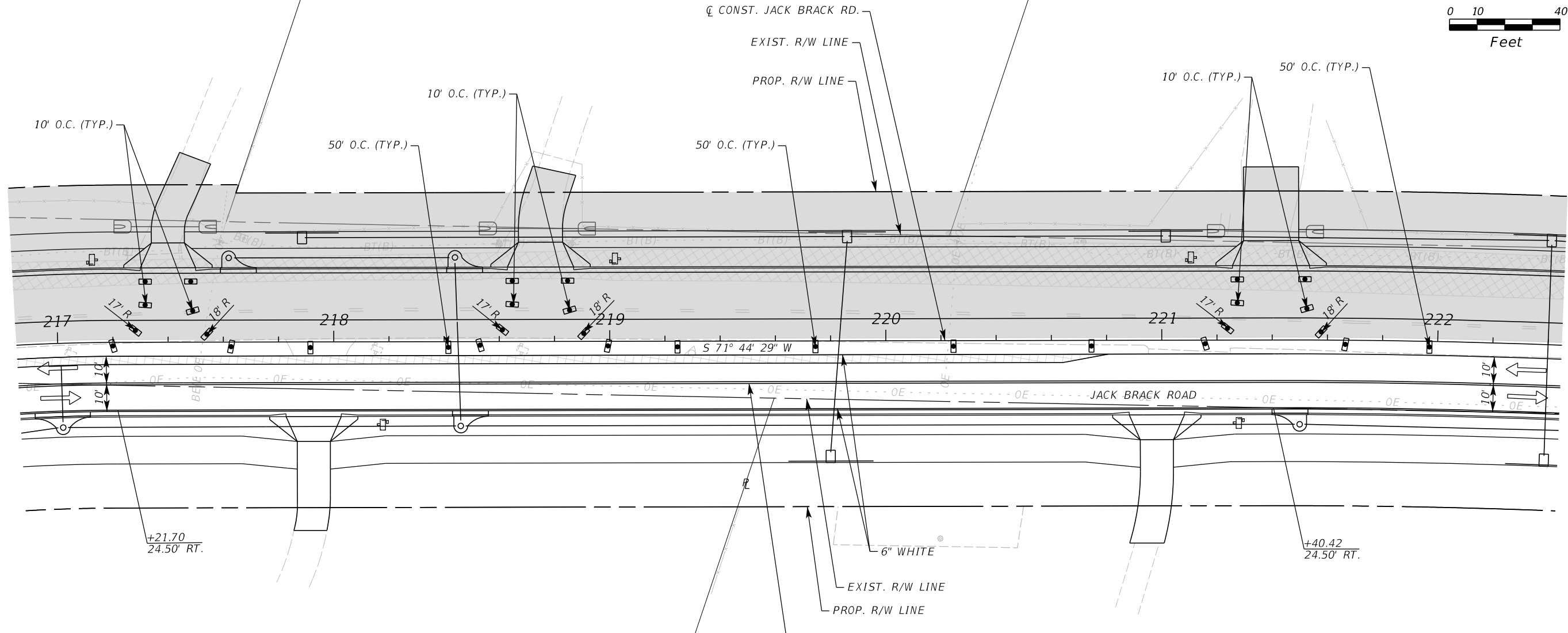
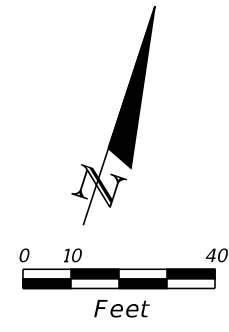
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TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
478

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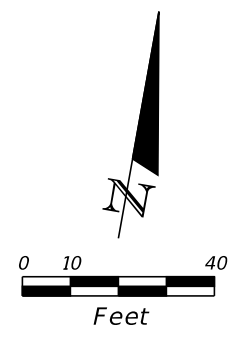
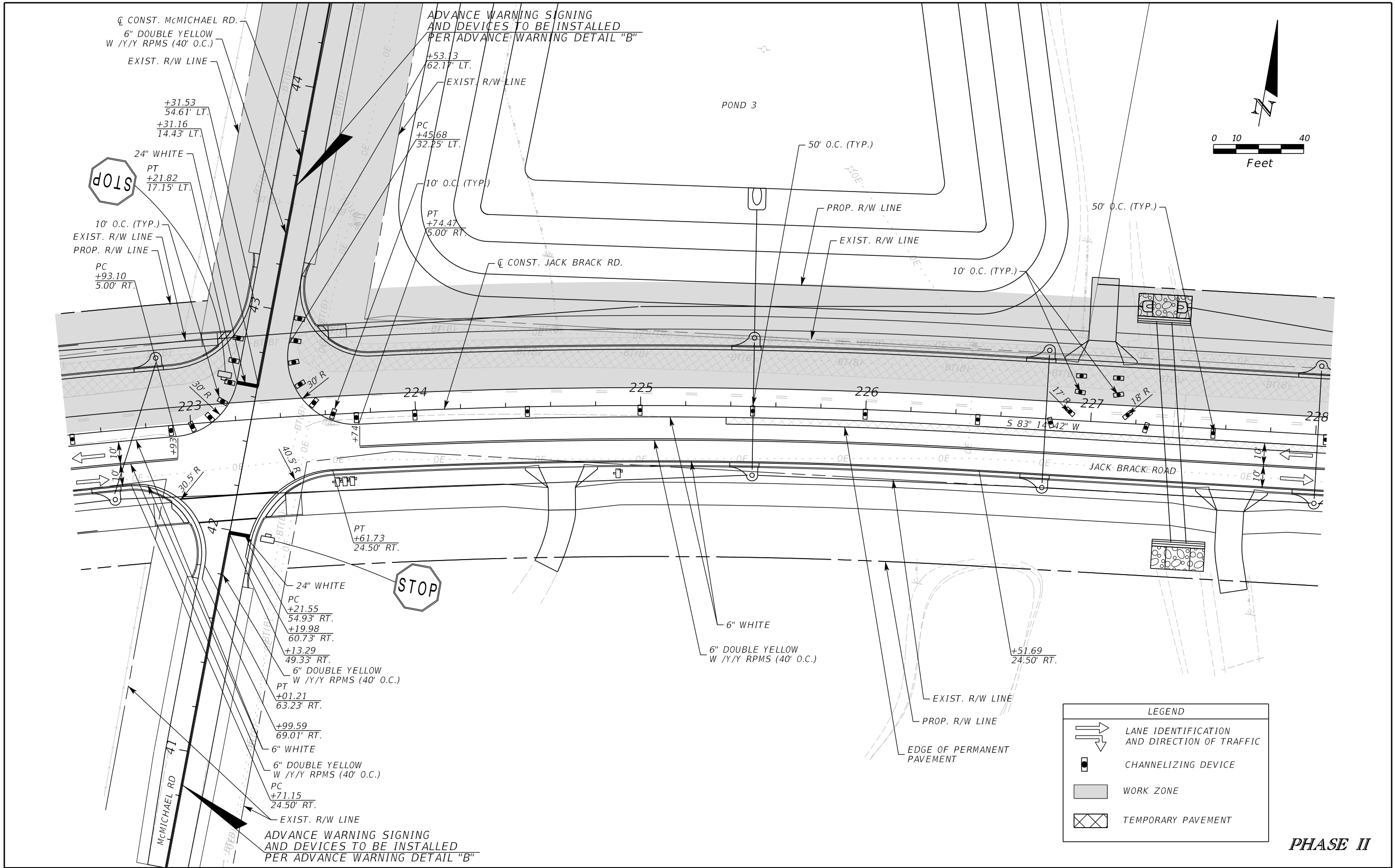


LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

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REVISIONS																				
DATE	BY	DESCRIPTION																		

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LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

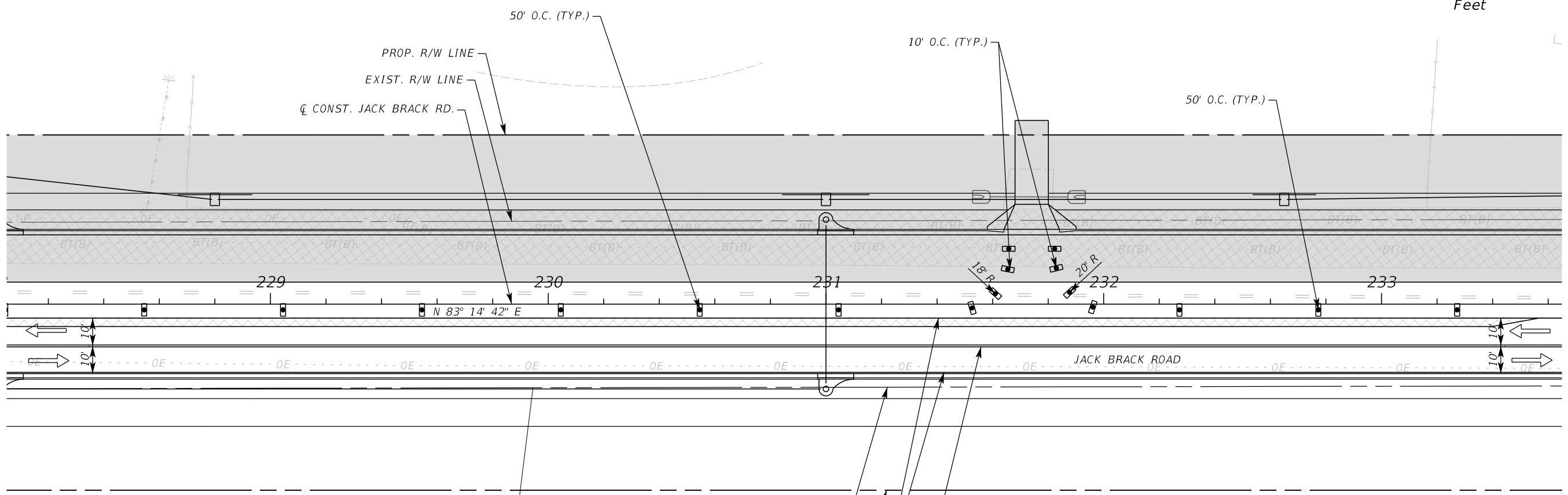
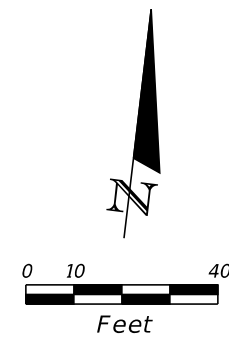
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
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Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
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**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
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Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
480

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EXIST. R/W LINE
 PROP. R/W LINE
 6" WHITE
 6" DOUBLE YELLOW
 W /Y/Y RPMS (40' O.C.)

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

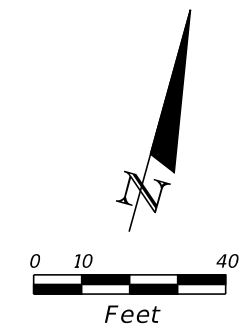
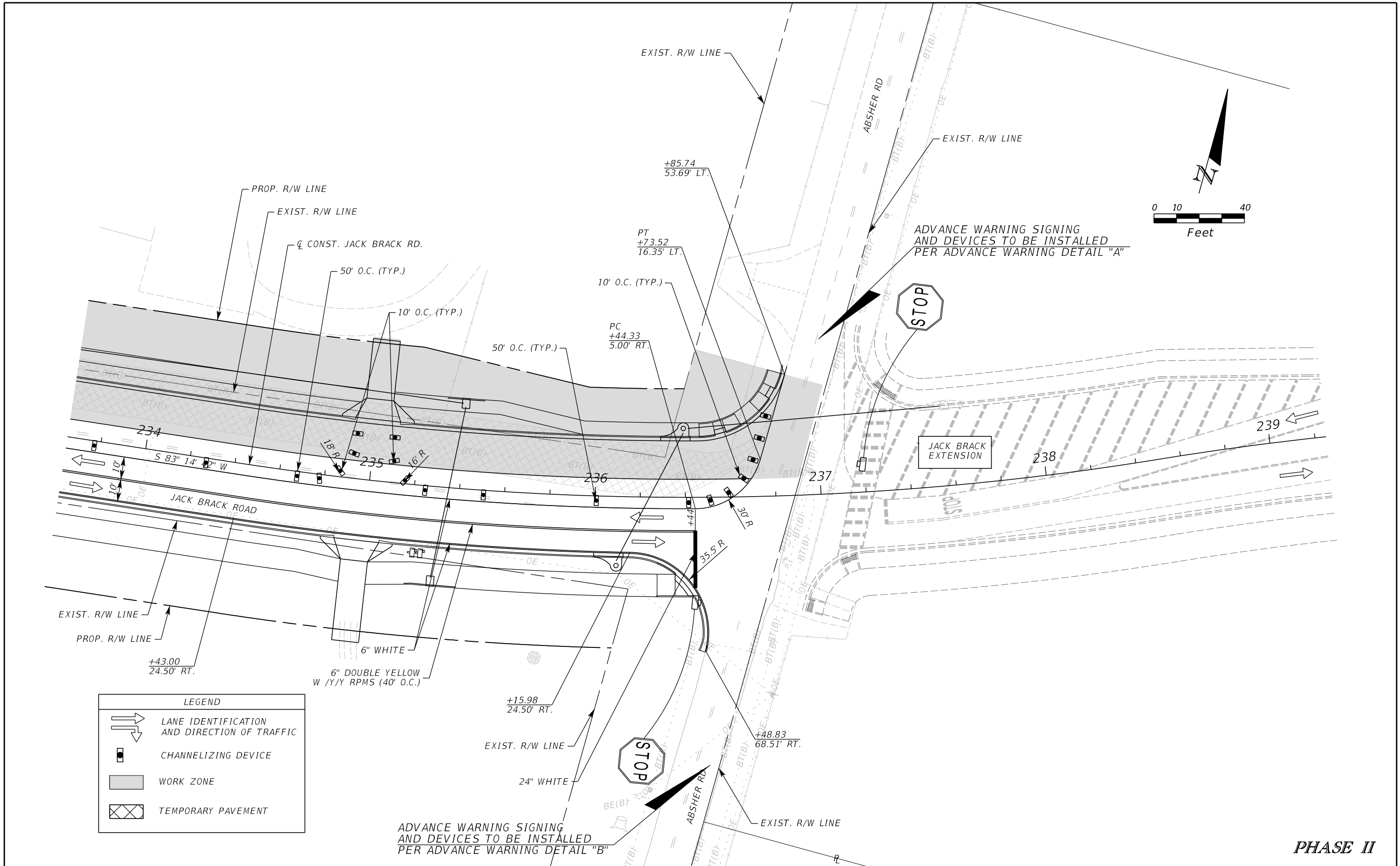
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
 CONTROL PLAN**

SHEET NO.
481

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE II

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

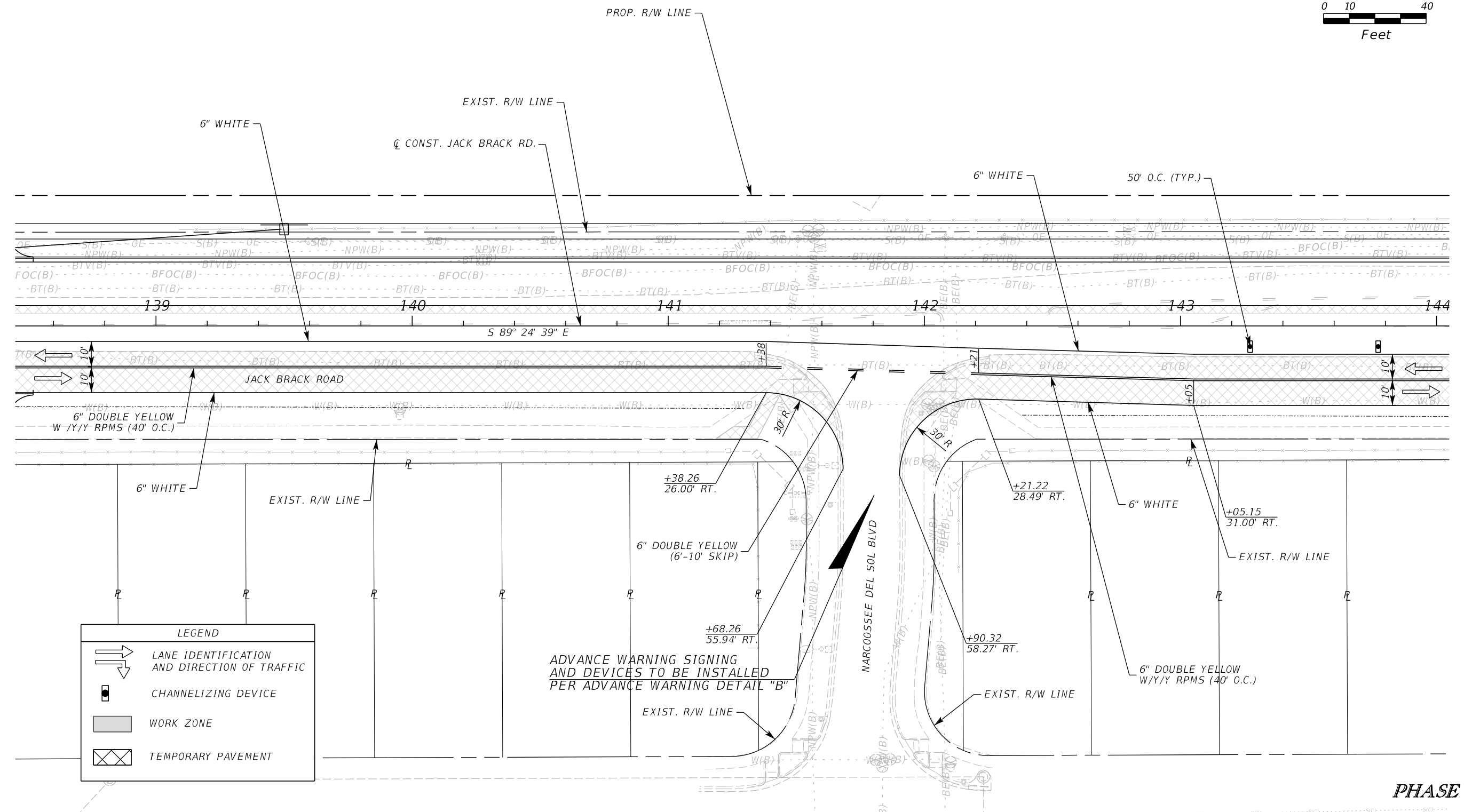
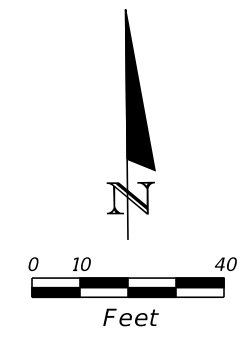
ENGINEER OF RECORD
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OSCEOLA COUNTY
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 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
482

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE IIIA

REVISIONS			DATE	BY	DESCRIPTION	ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.

JACK BRACK ROAD WIDENING

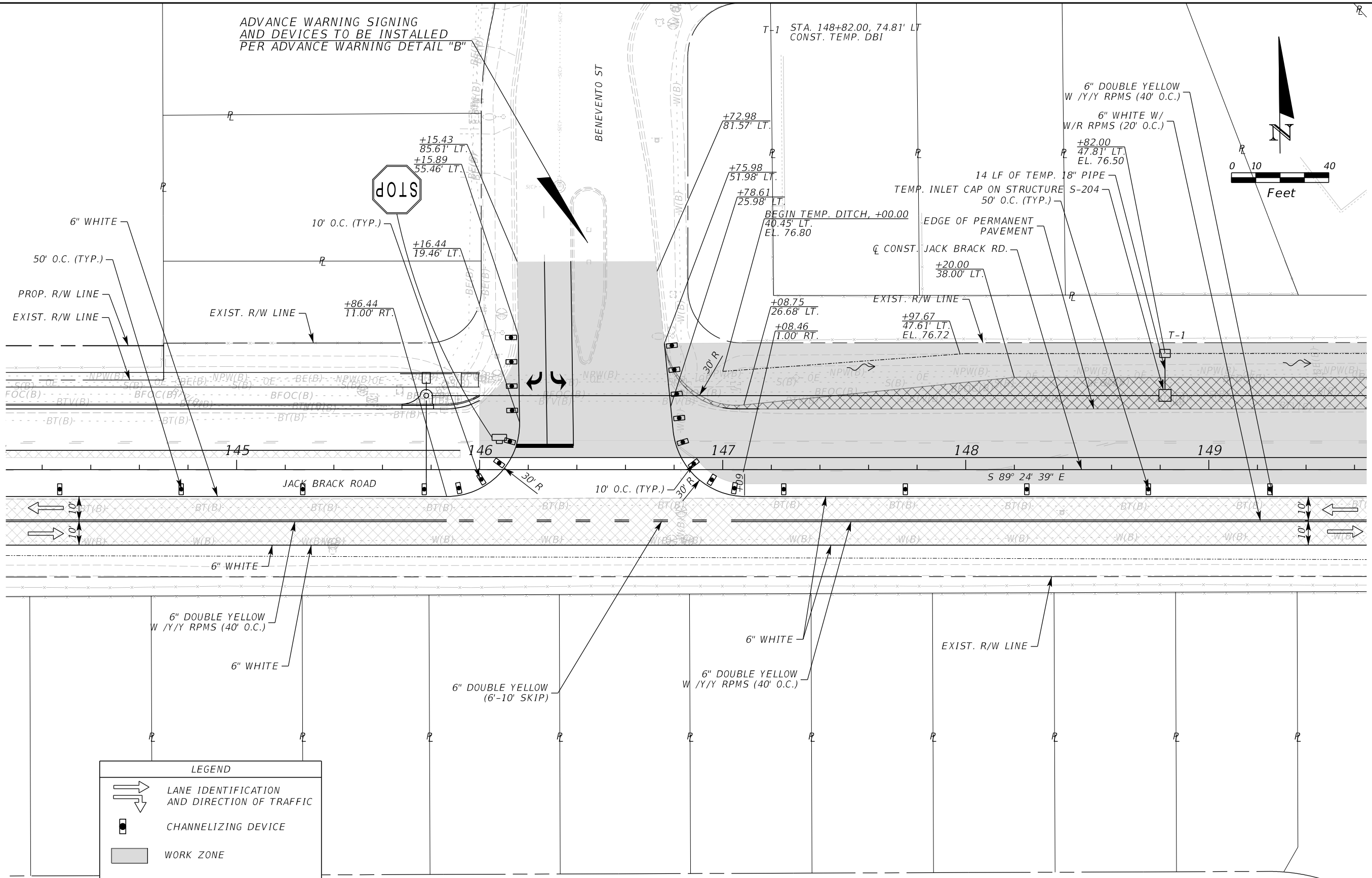
Kevin Joseph Iannarone, PE
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Oviedo, Florida 32765

OSCEOLA COUNTY ENGINEERING DEPARTMENT
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483

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IIIA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

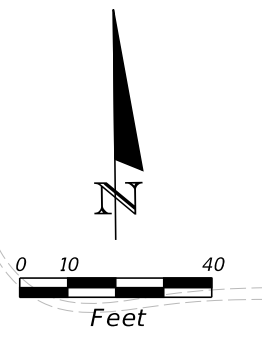
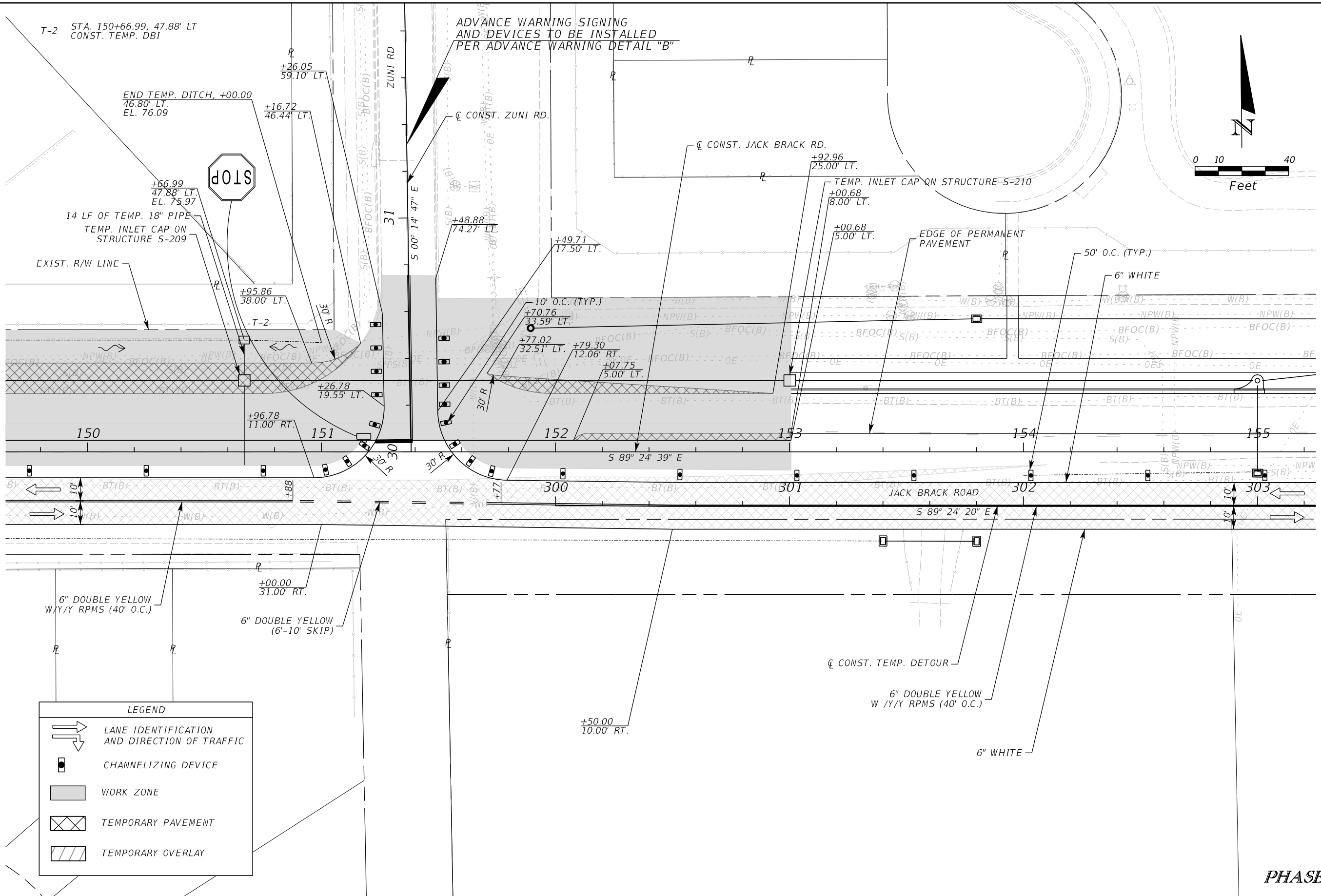
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Oviedo, Florida 32765

OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
484

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PHASE IIIA

REVISIONS		
DATE	BY	DESCRIPTION

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WIDENING**

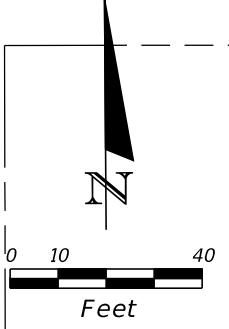
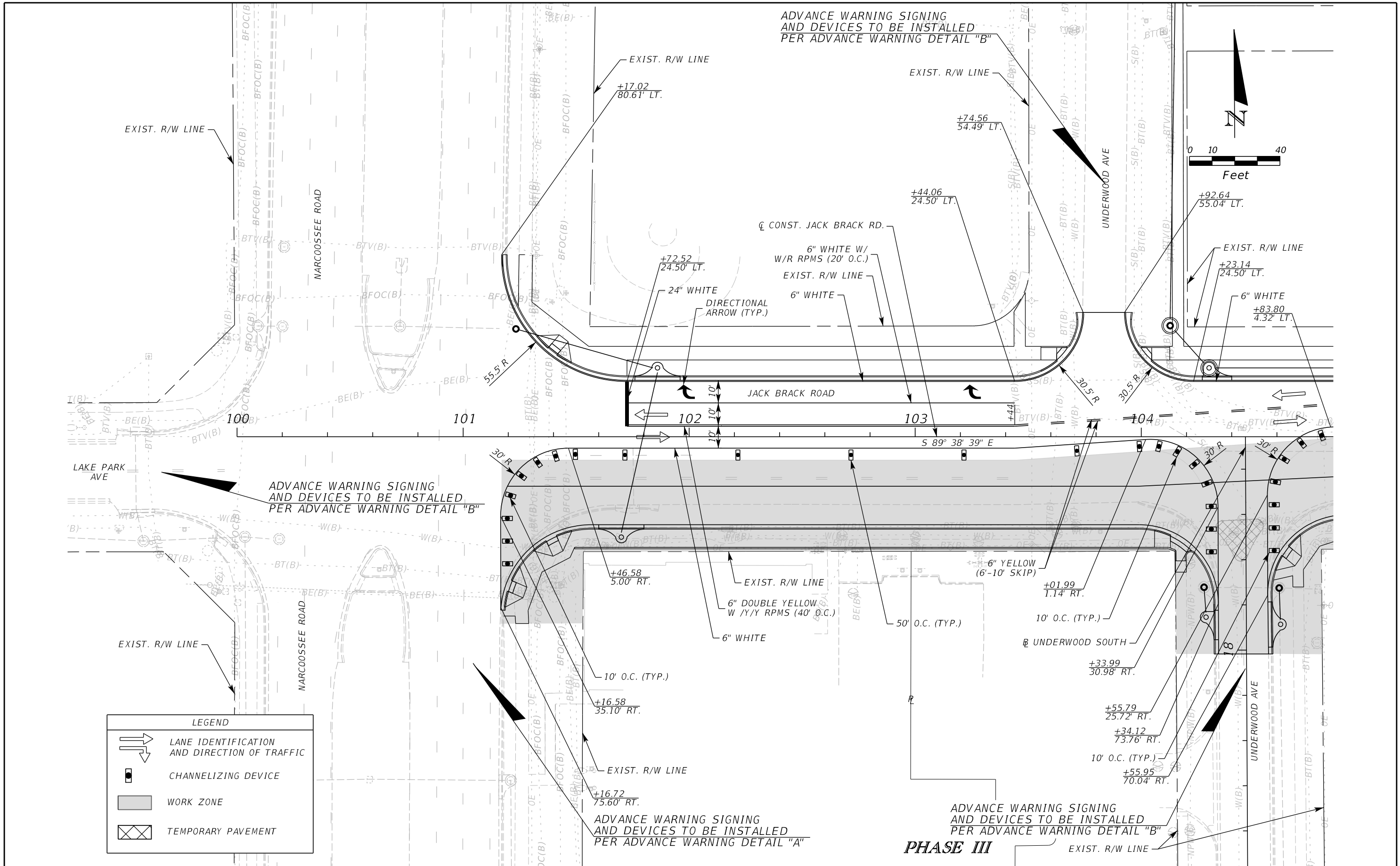
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
485

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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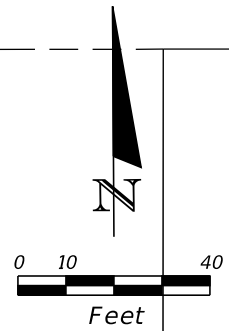
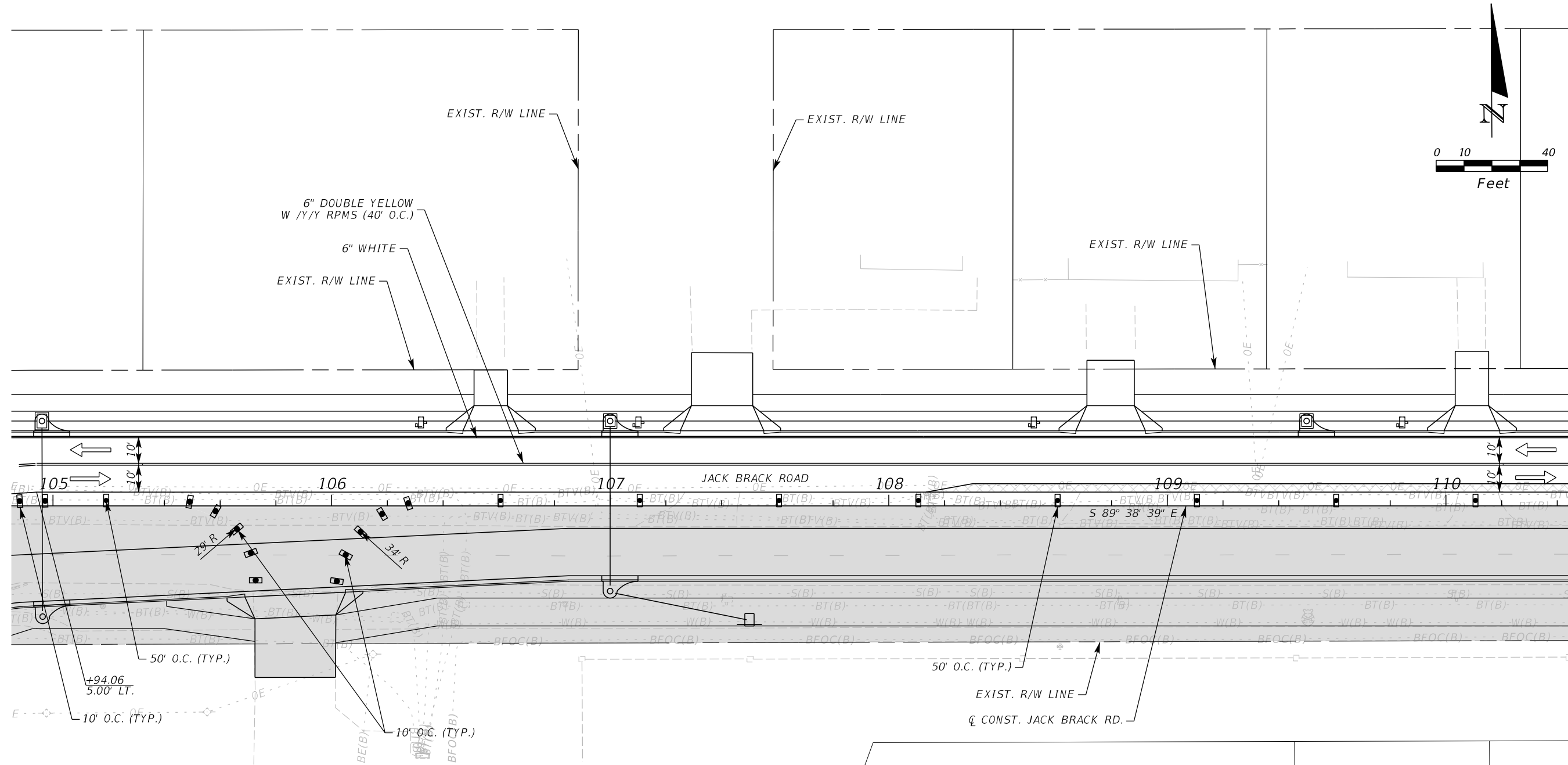
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
486

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

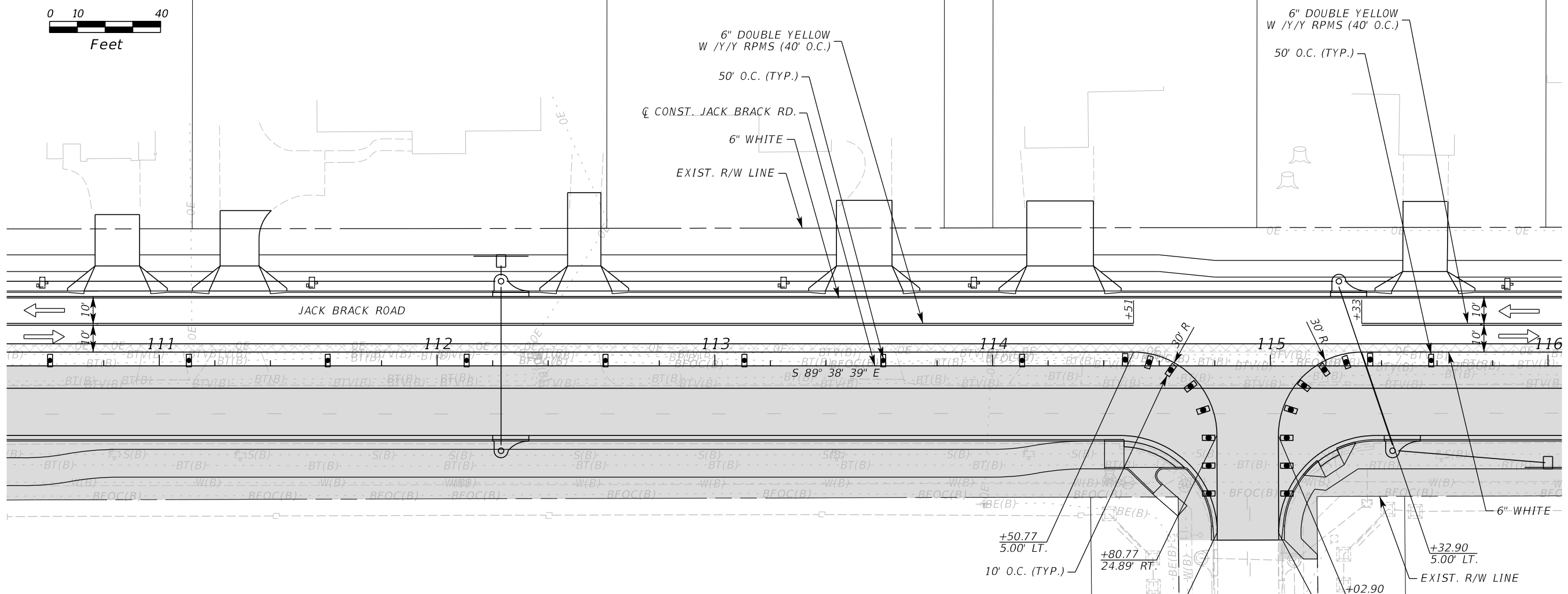
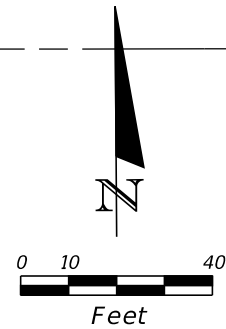
ENGINEER OF RECORD
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487

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

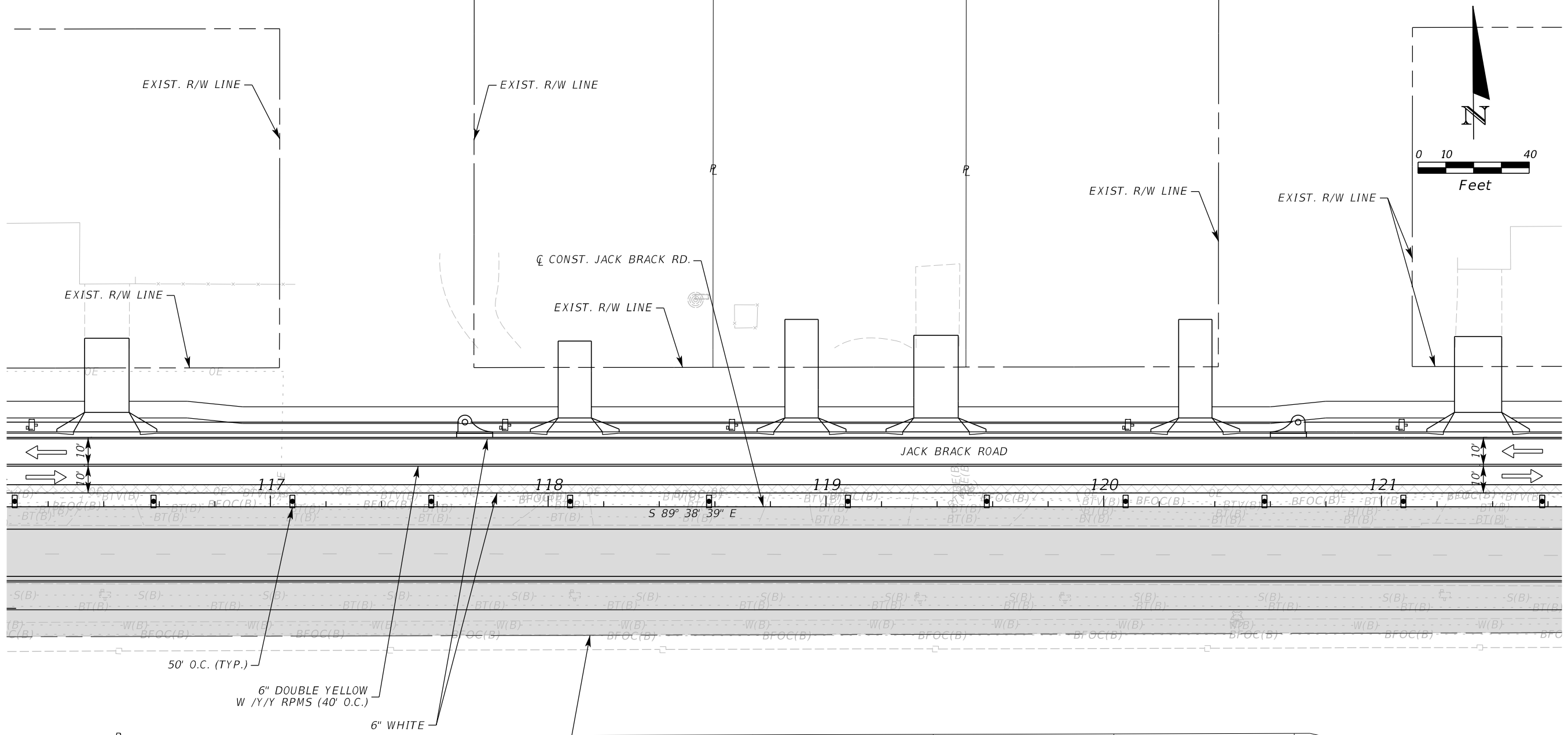
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SHEET NO.
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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

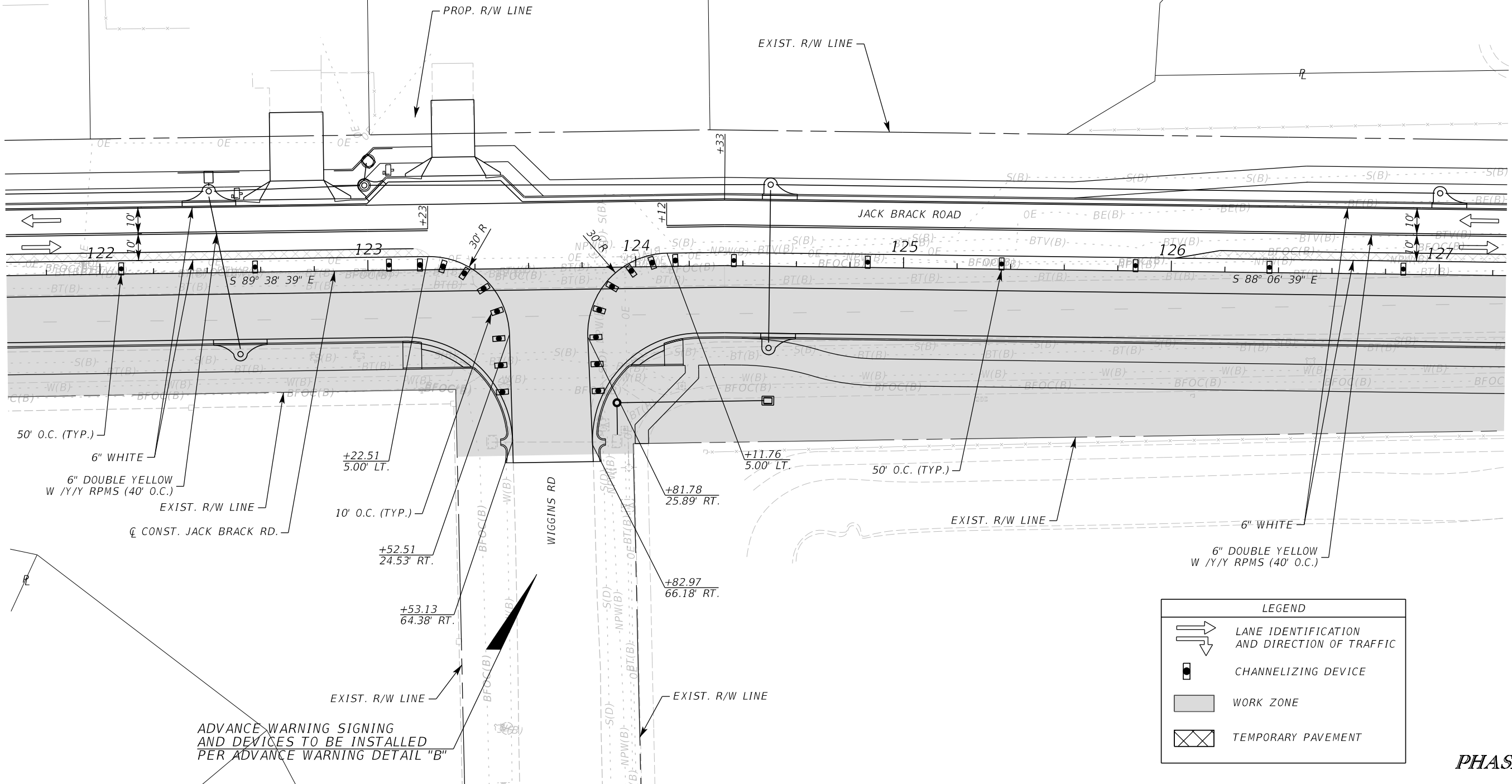
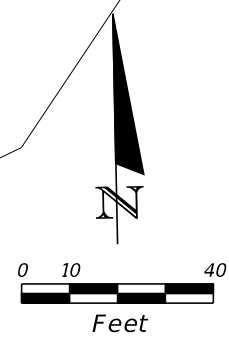
OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
489

PHASE III

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ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

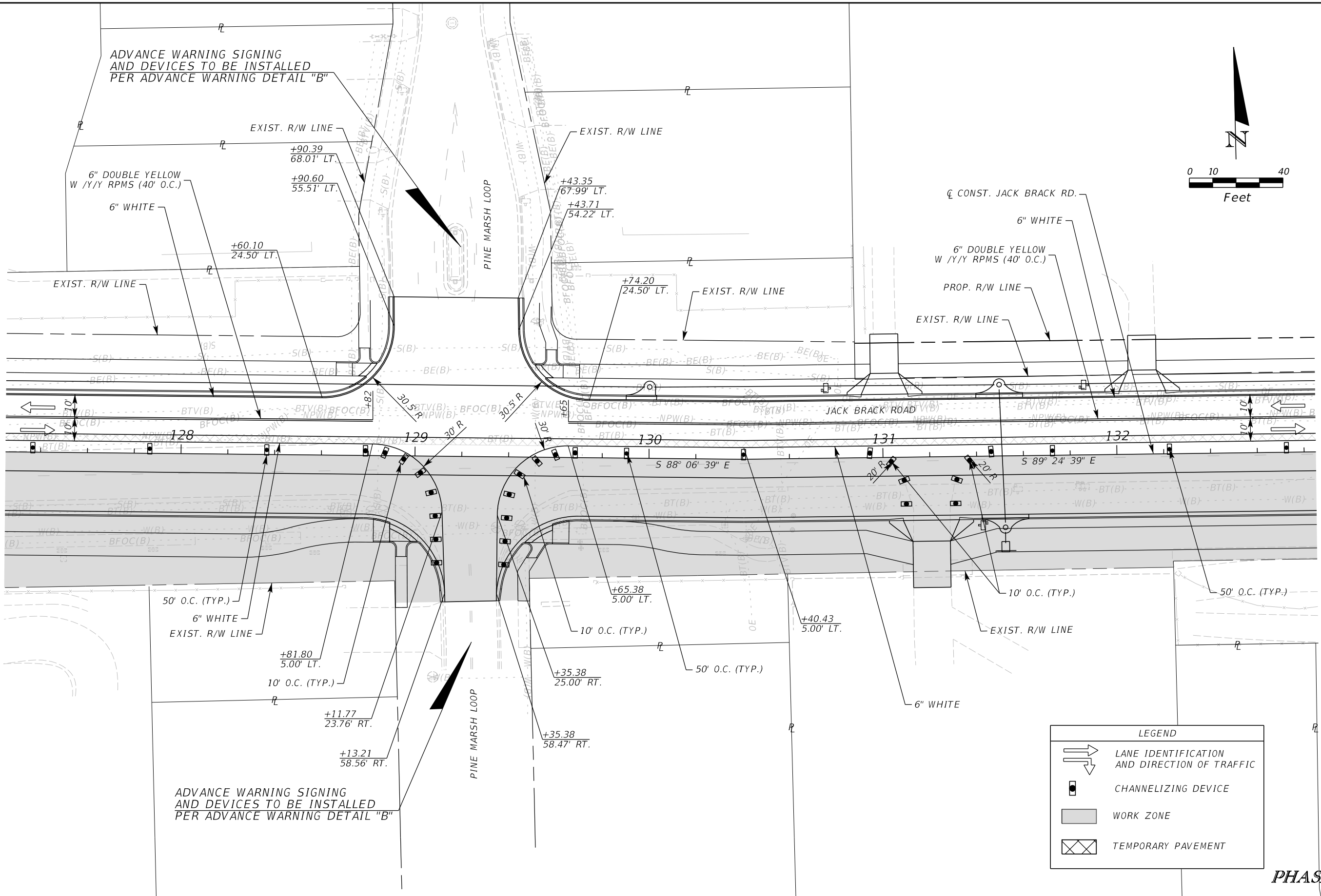
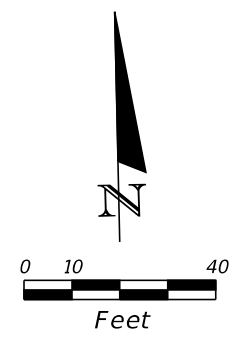
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
490

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

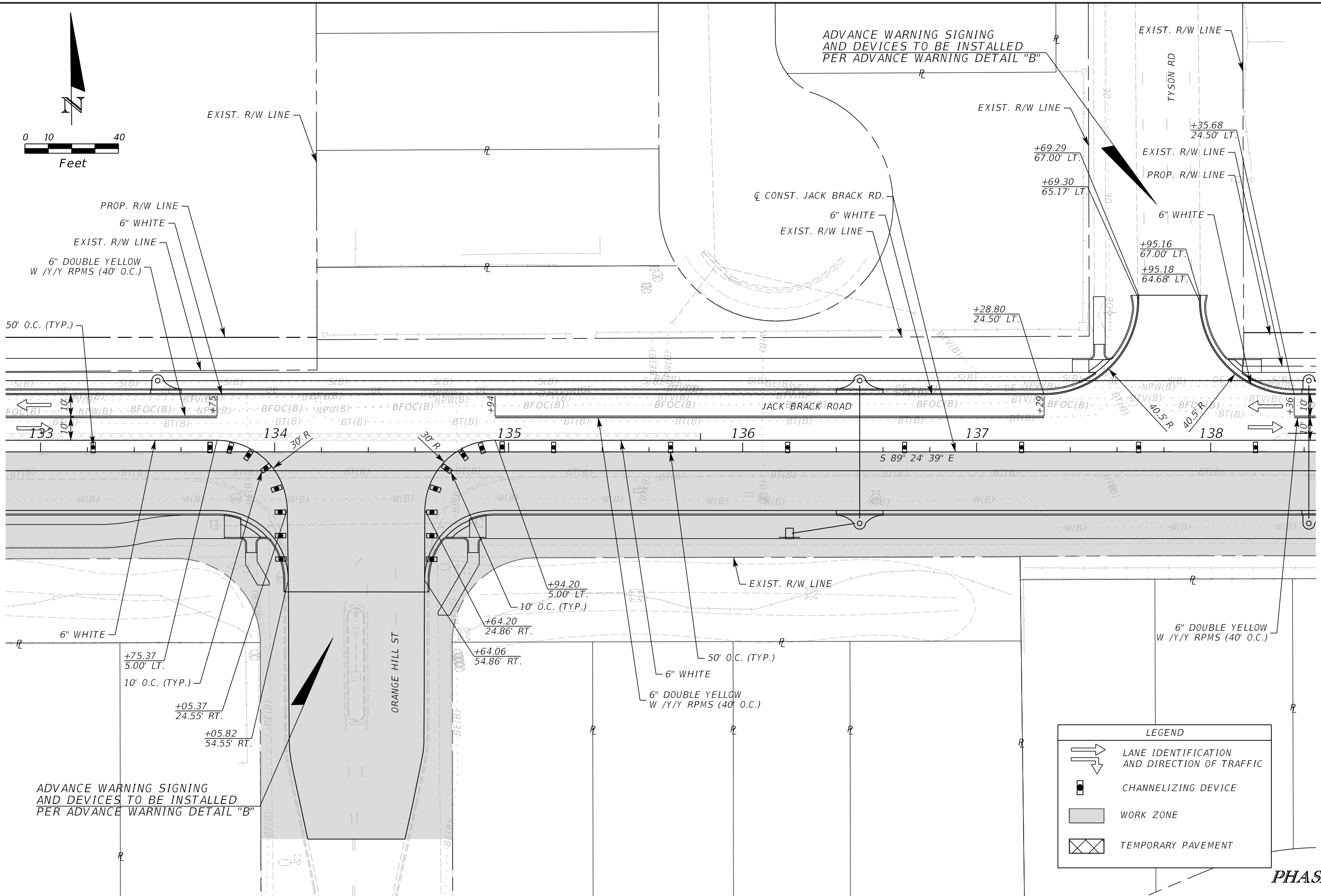
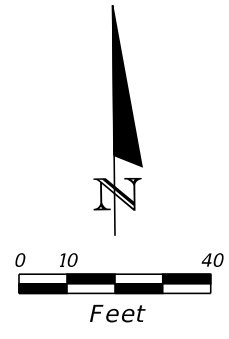
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
491

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

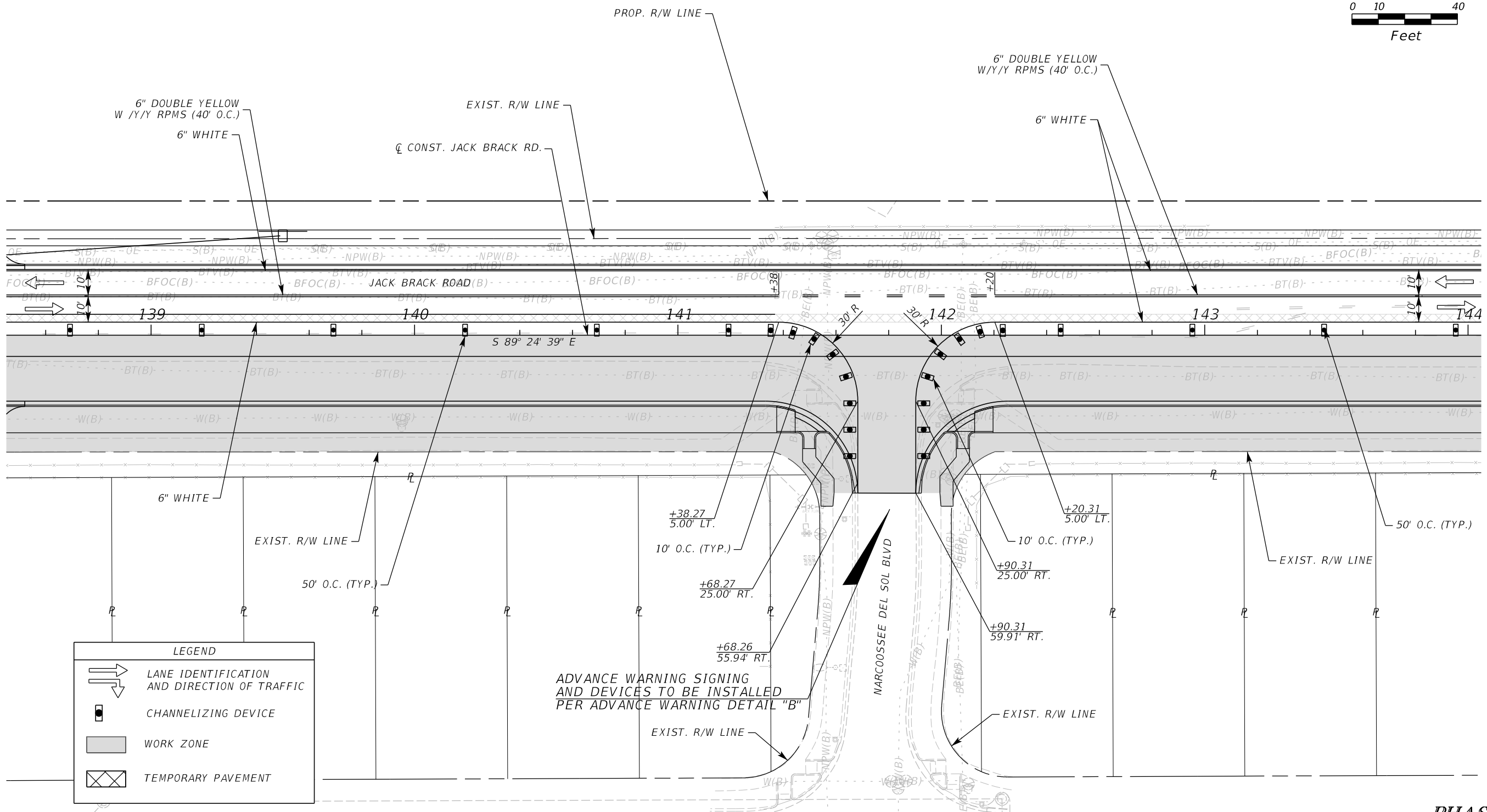
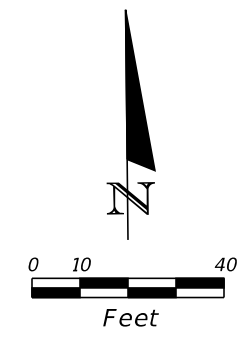
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
492

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LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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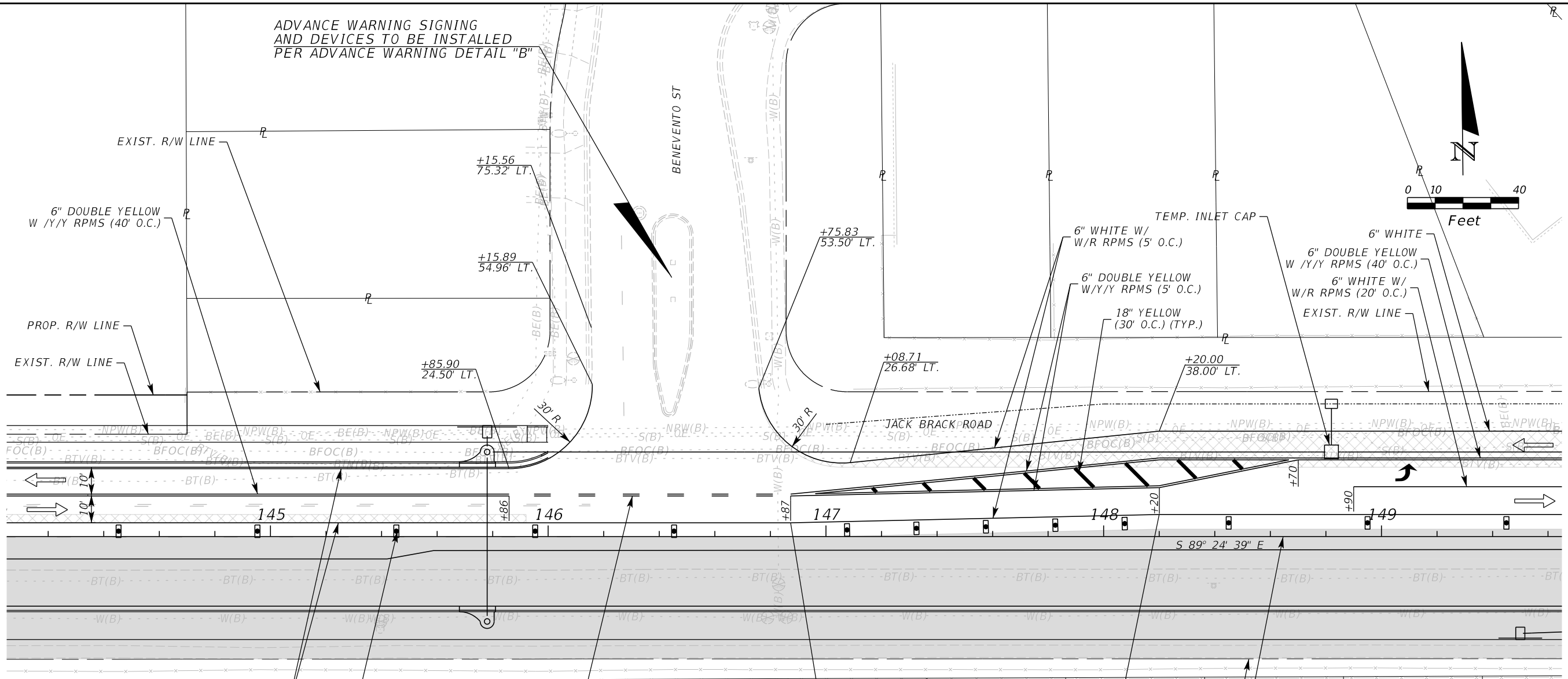
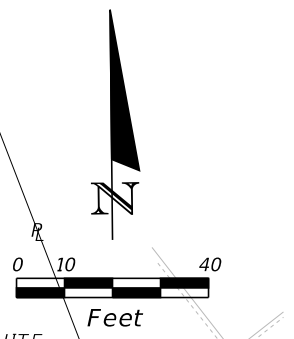

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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
493

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

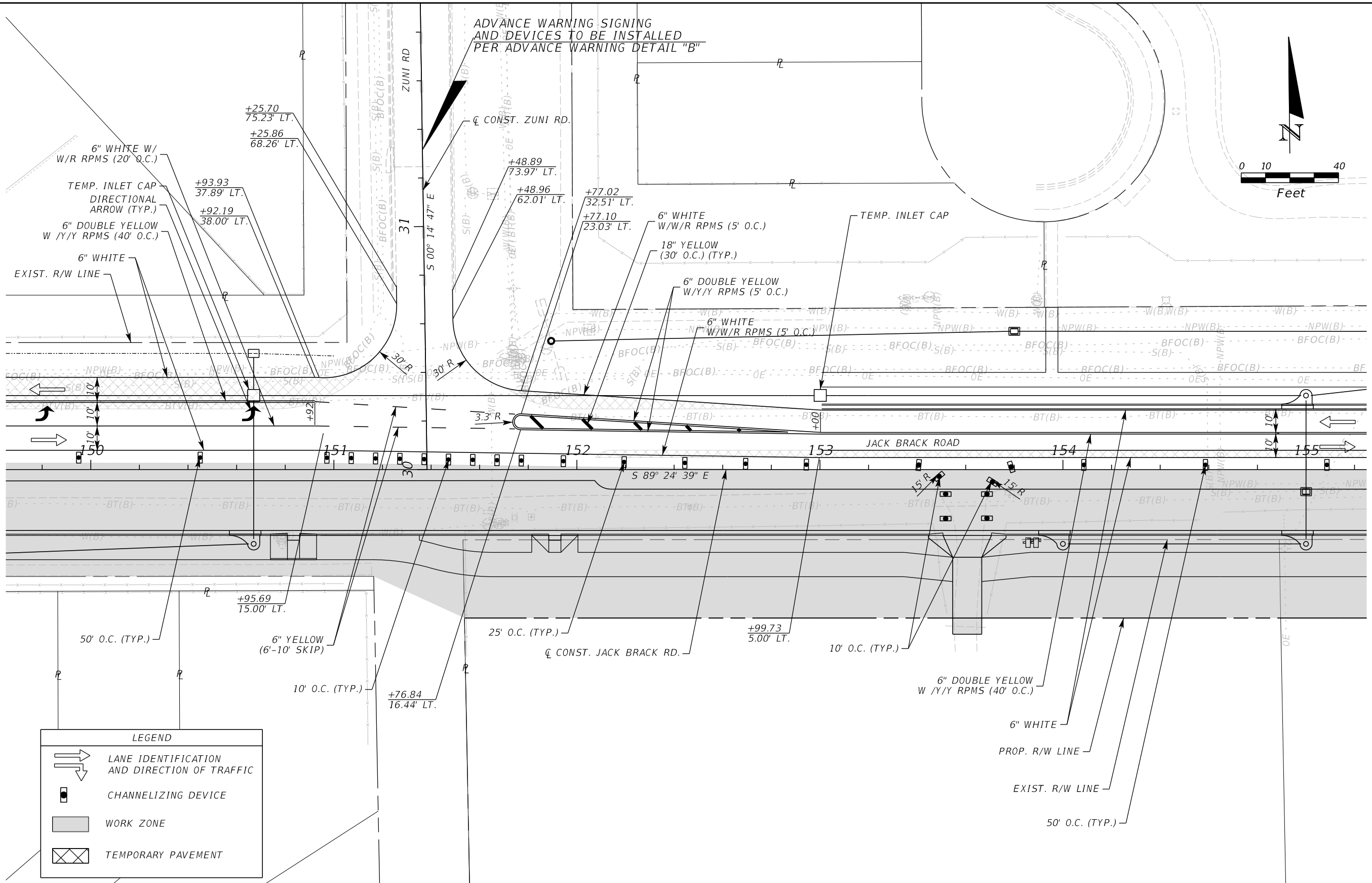
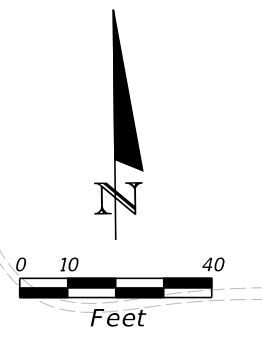
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
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LEGEND

	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS

DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

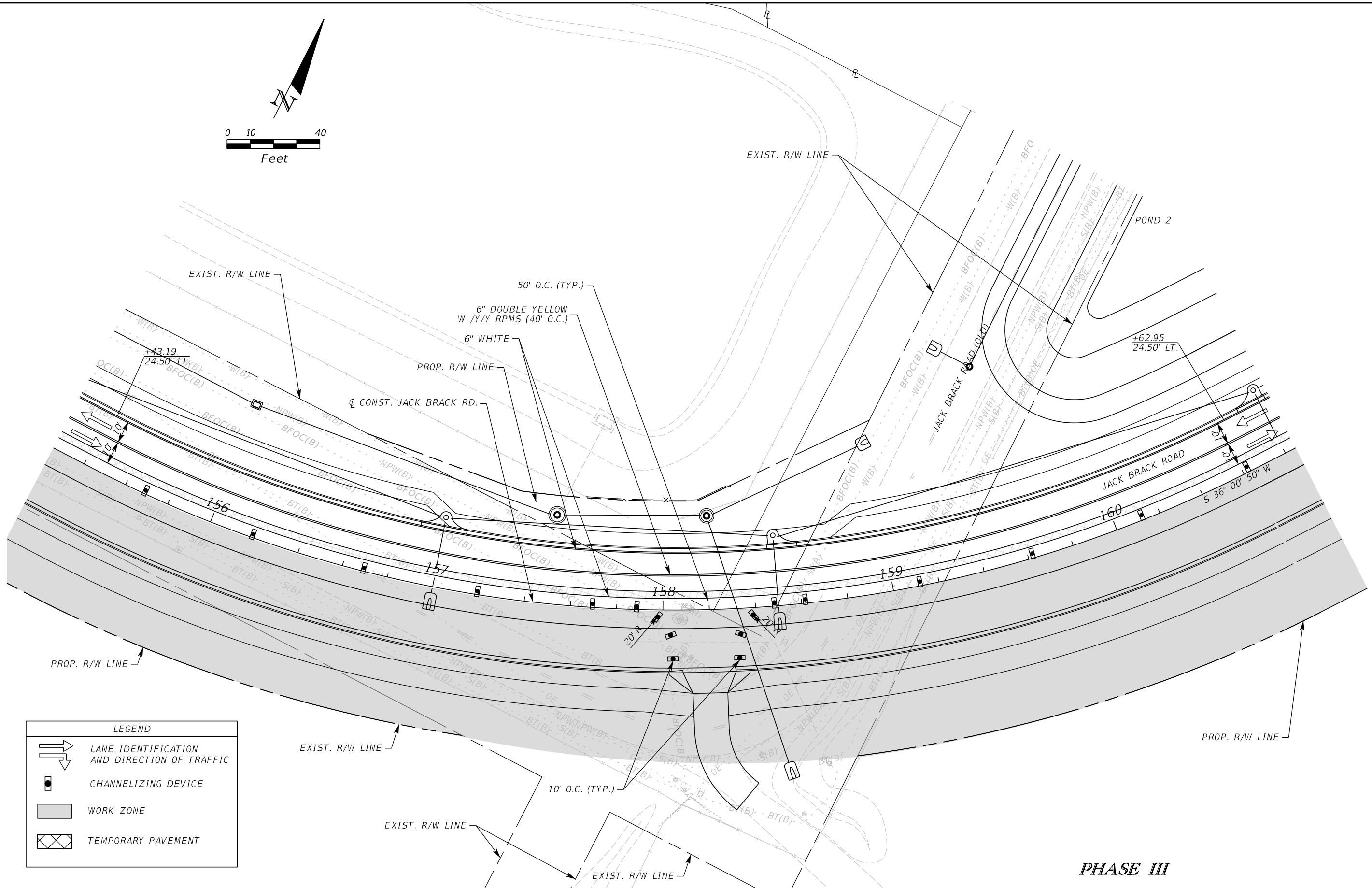
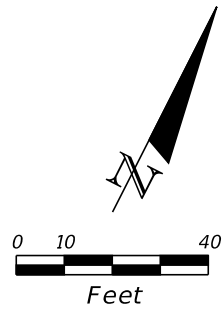
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**TEMPORARY TRAFFIC
CONTROL PLAN**

**SHEET NO.
495**

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PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

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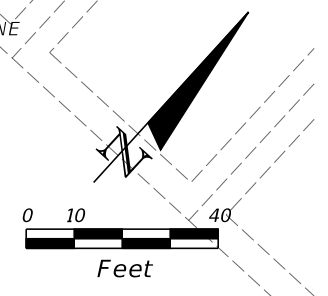
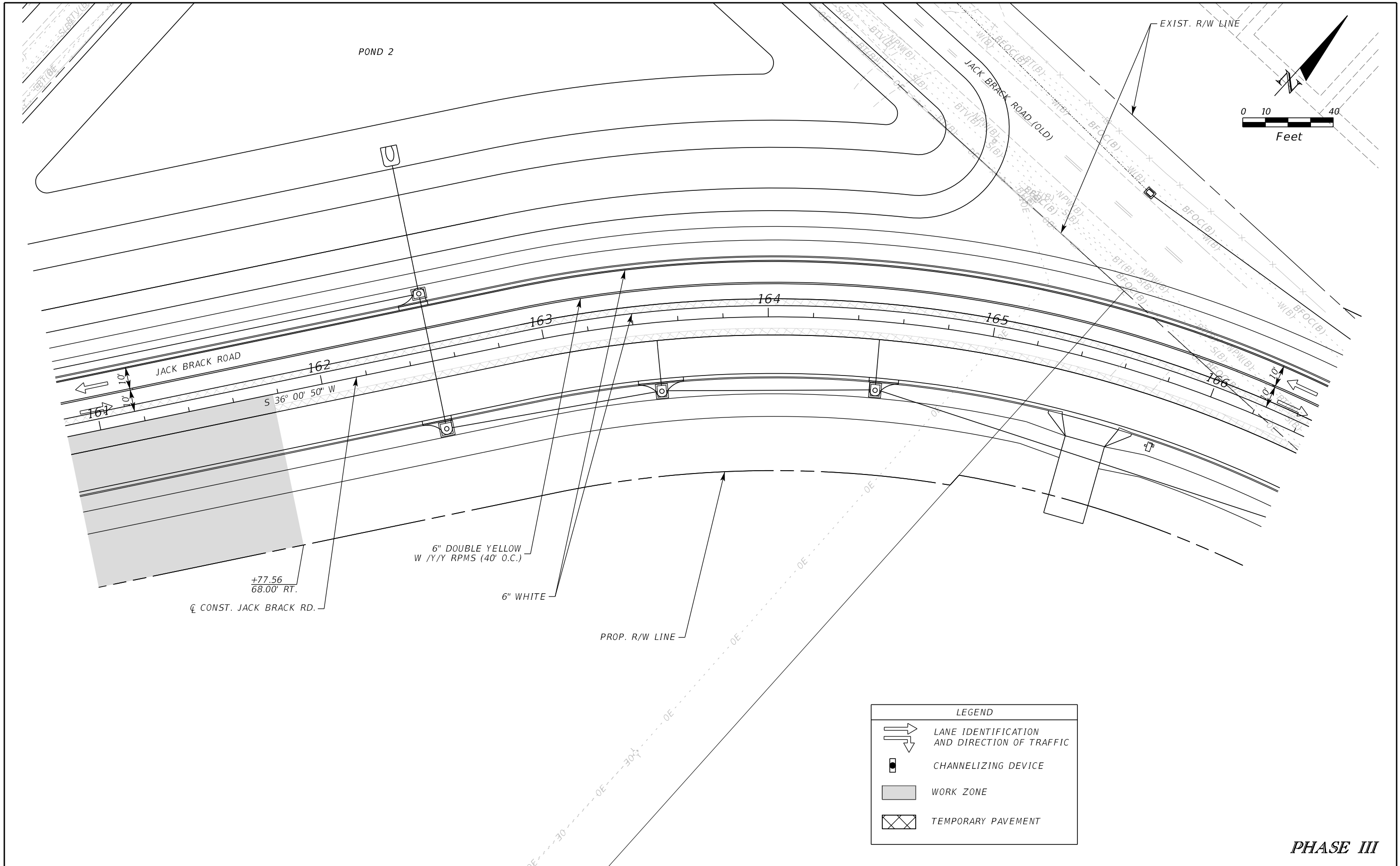


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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.
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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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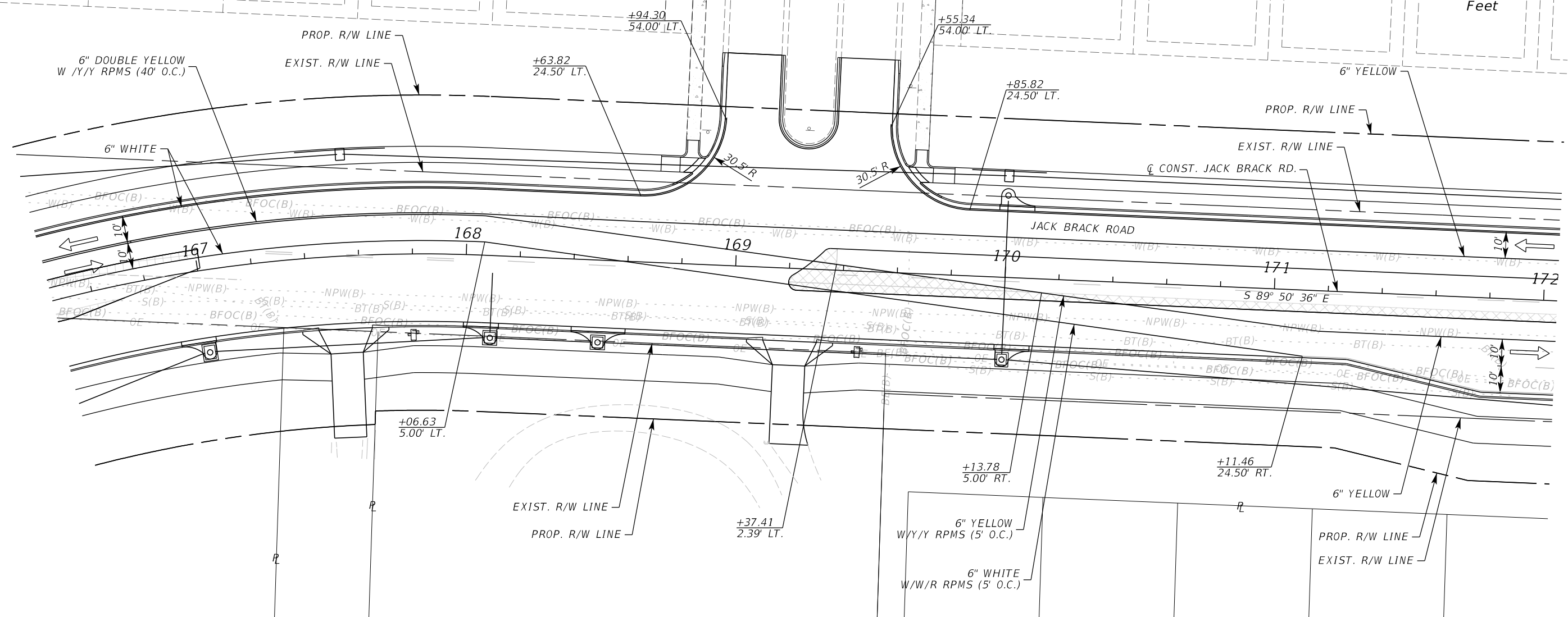
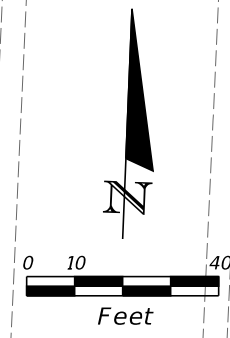
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
497

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BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE III

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

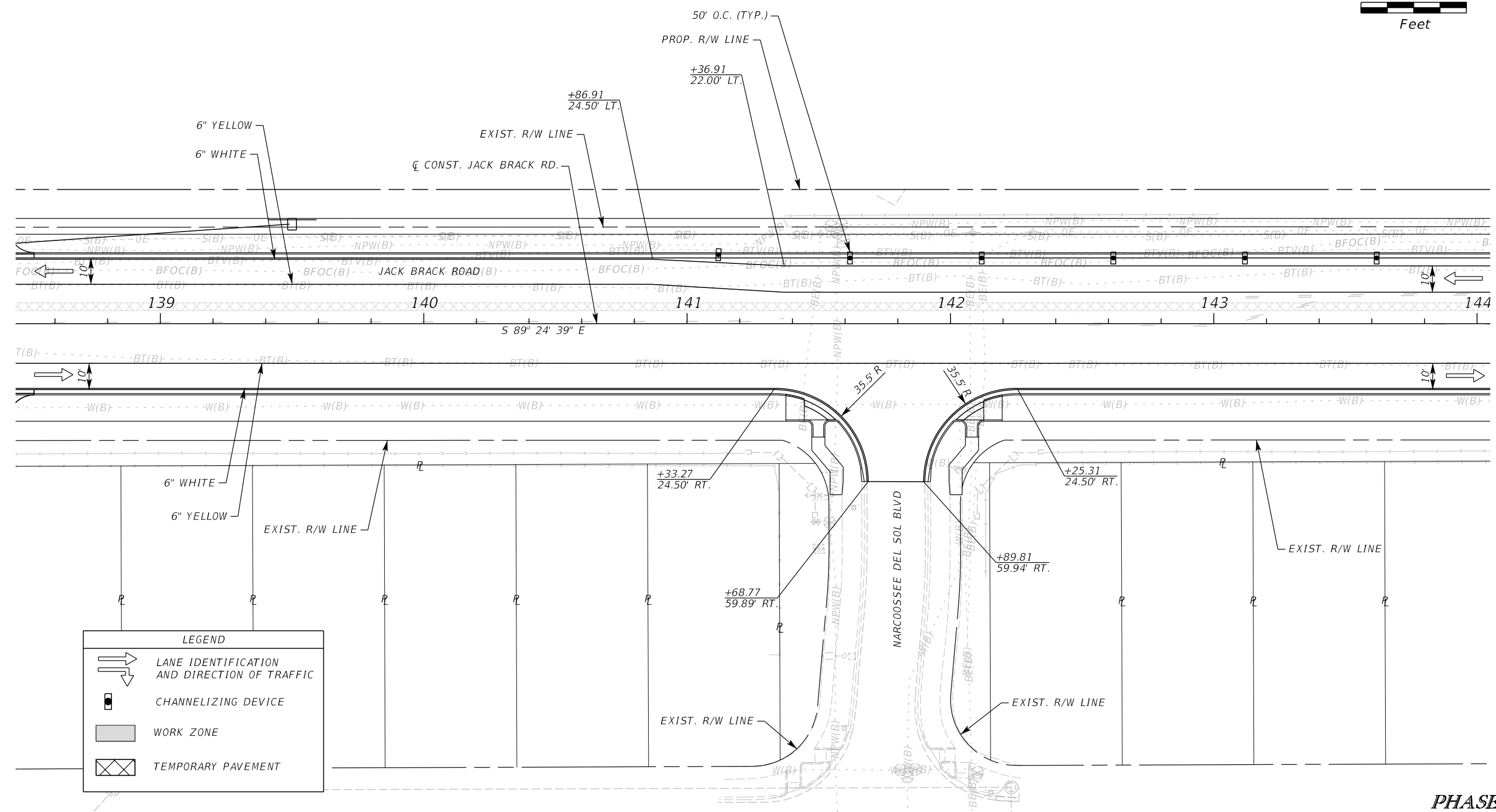
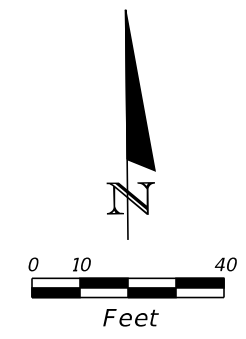
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
498

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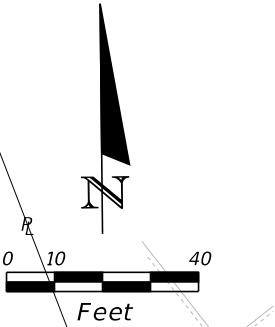
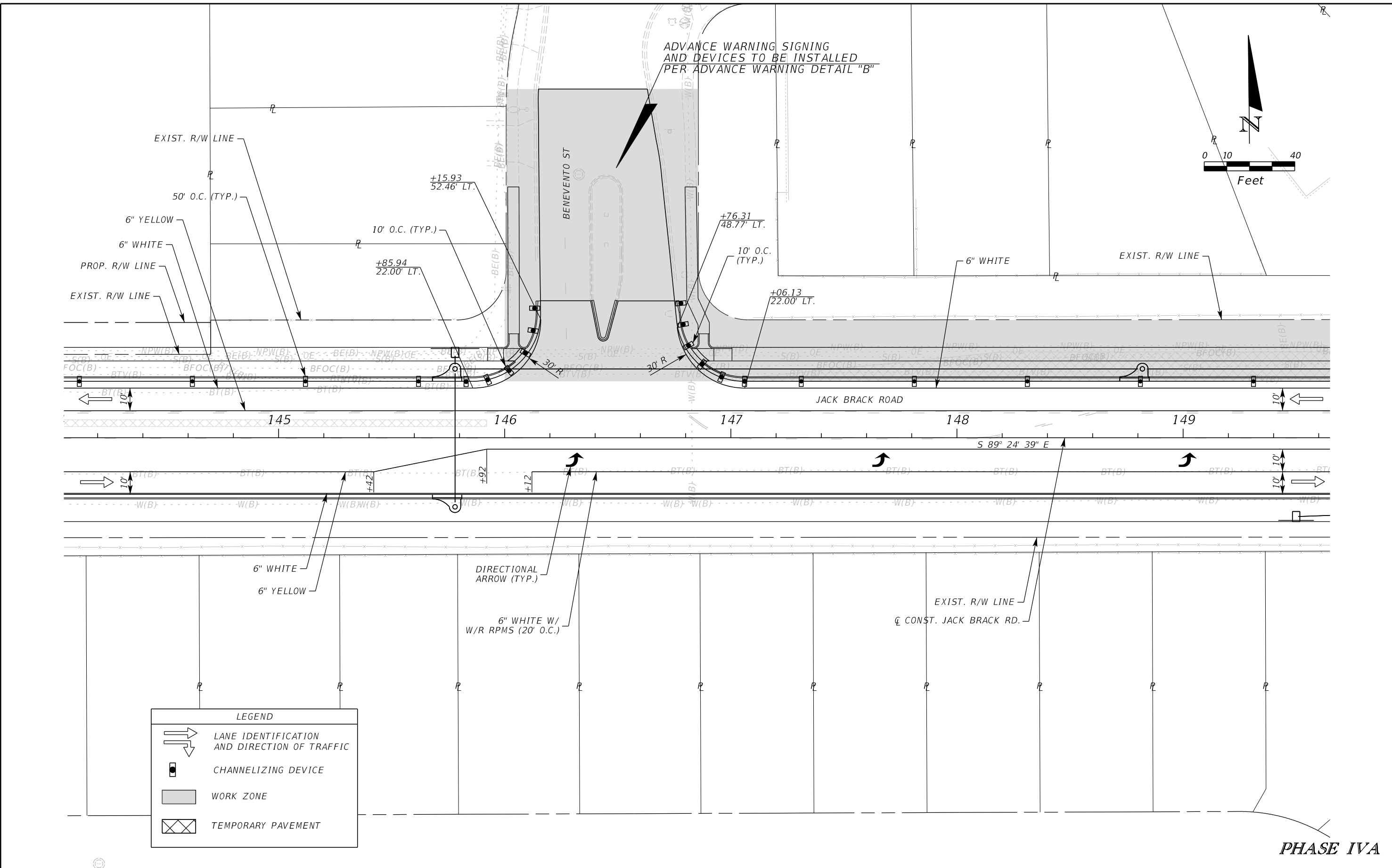


LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IVA

REVISIONS			DATE	BY	DESCRIPTION	ENGINEER OF RECORD	OSCEOLA COUNTY ENGINEERING DEPARTMENT	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.

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



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IVA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

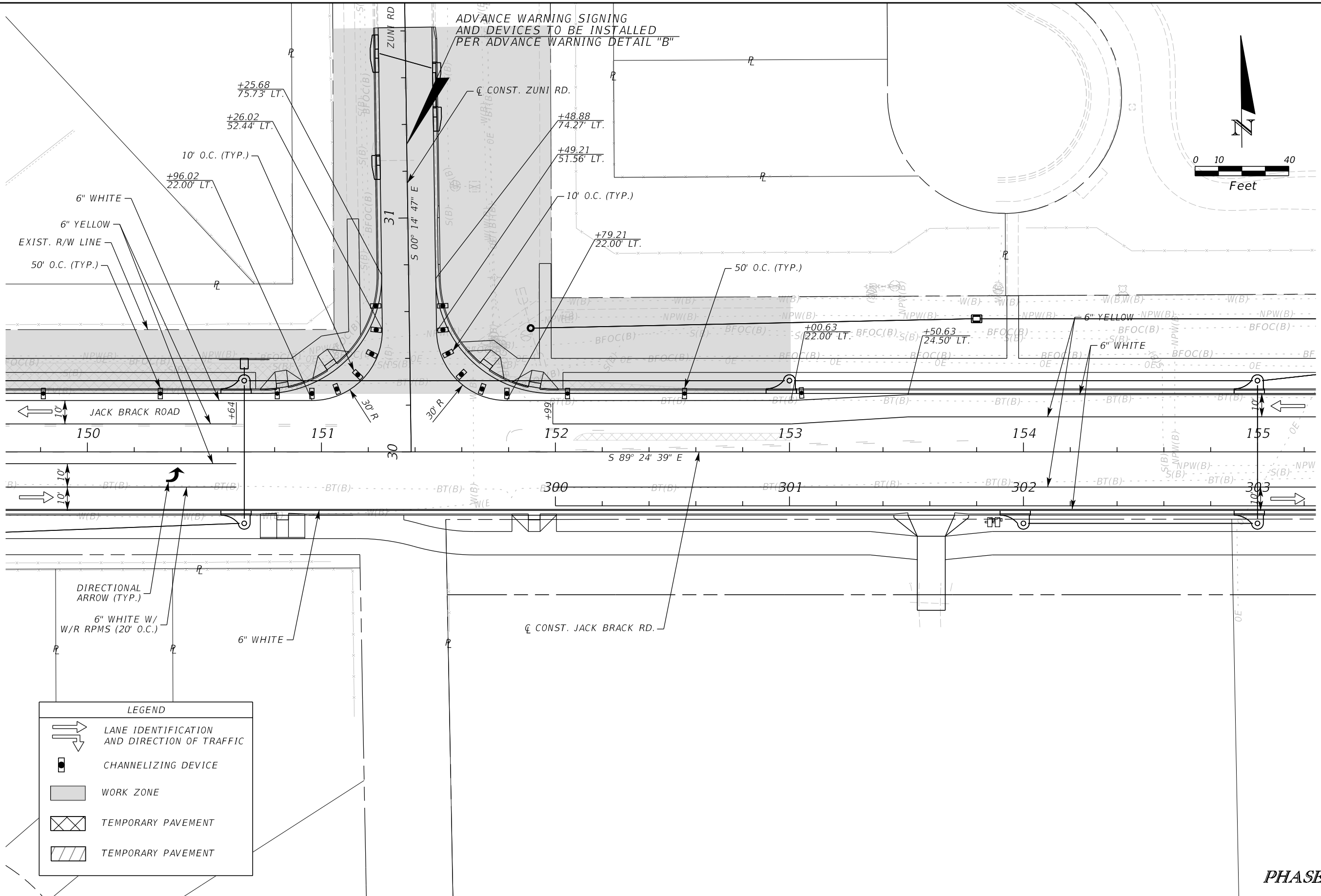
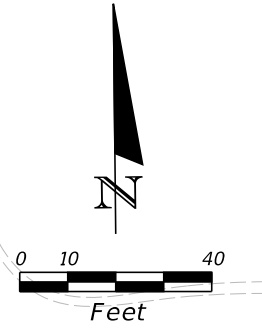
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
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OSCEOLA COUNTY
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 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
500

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DIRECTIONAL ARROW (TYP.)

6" WHITE W/ W/R RPMS (20' O.C.)

6" WHITE

LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT

PHASE IVA

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

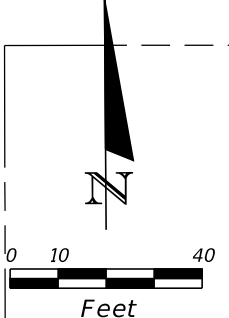
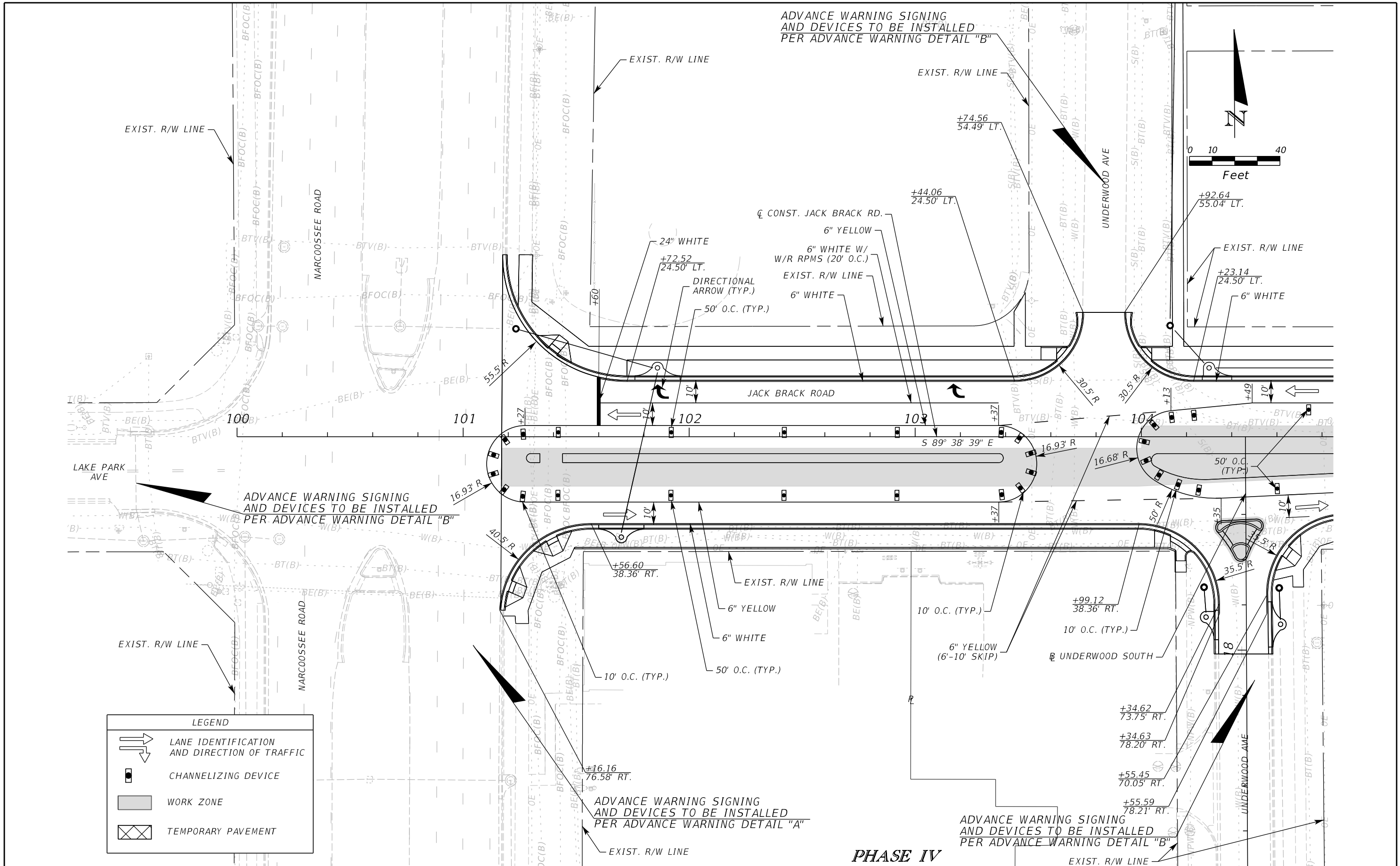
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
501

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

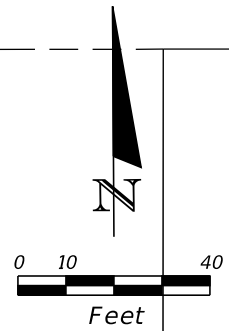
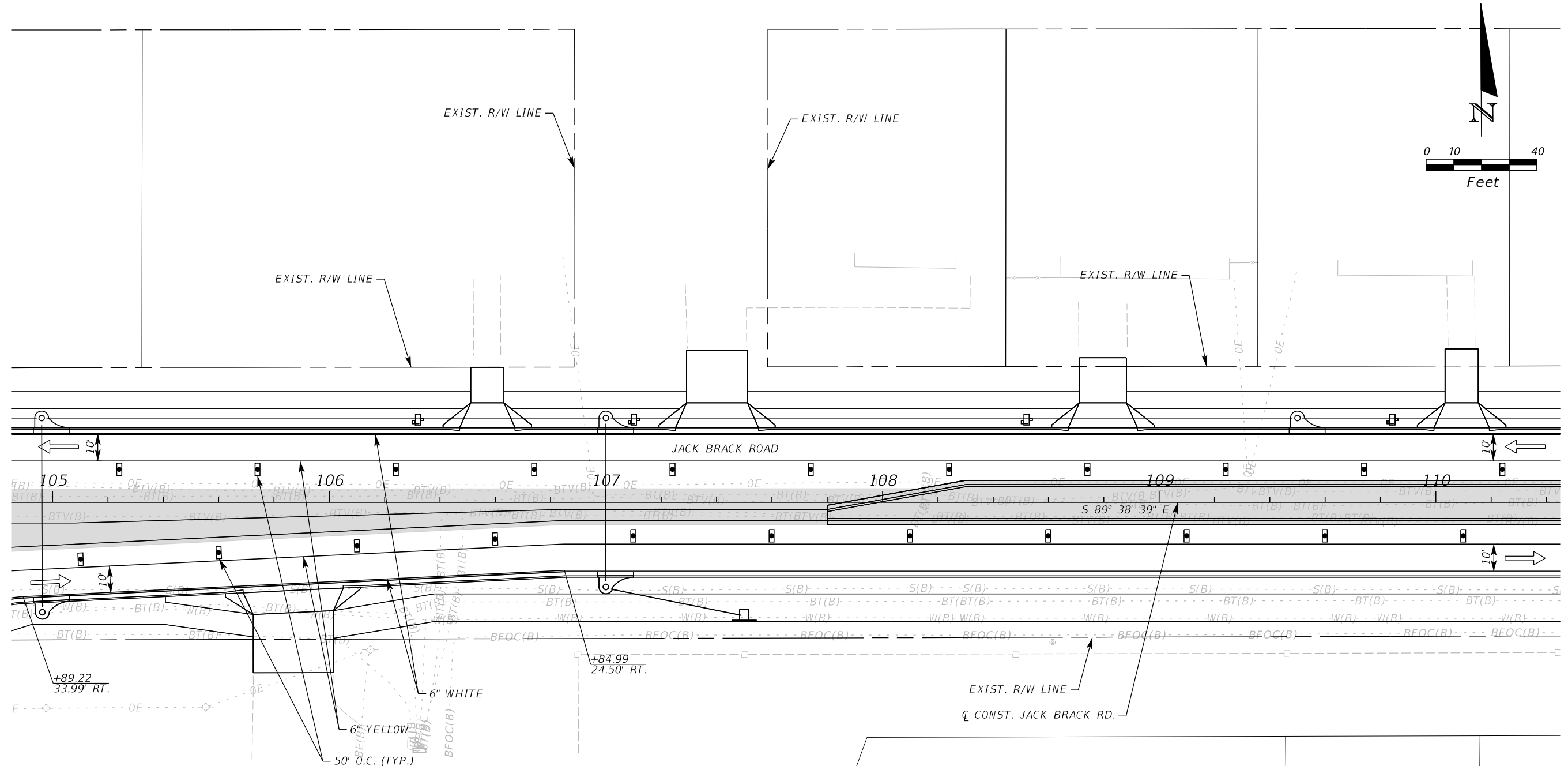
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
502

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

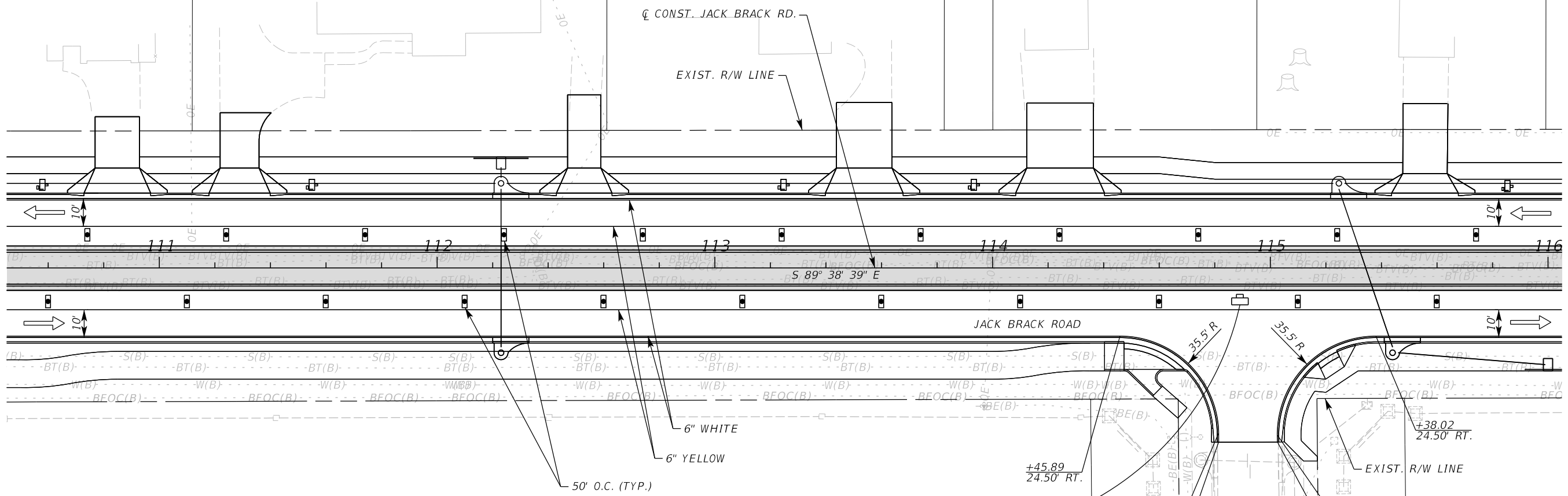
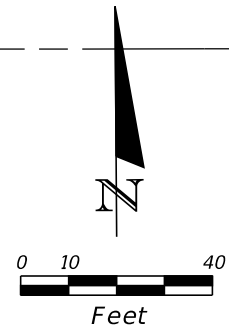
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
503

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

ONE-WAY

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

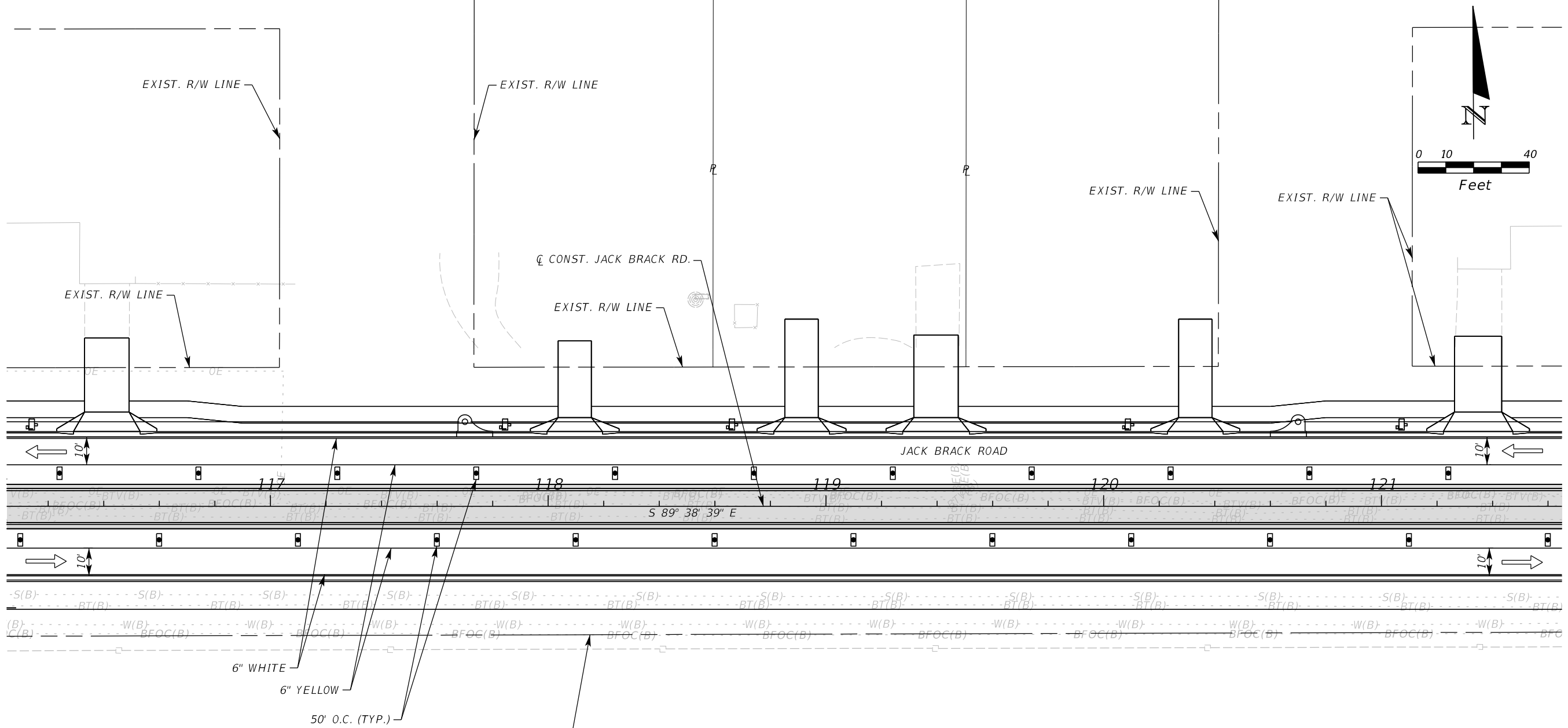
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
504

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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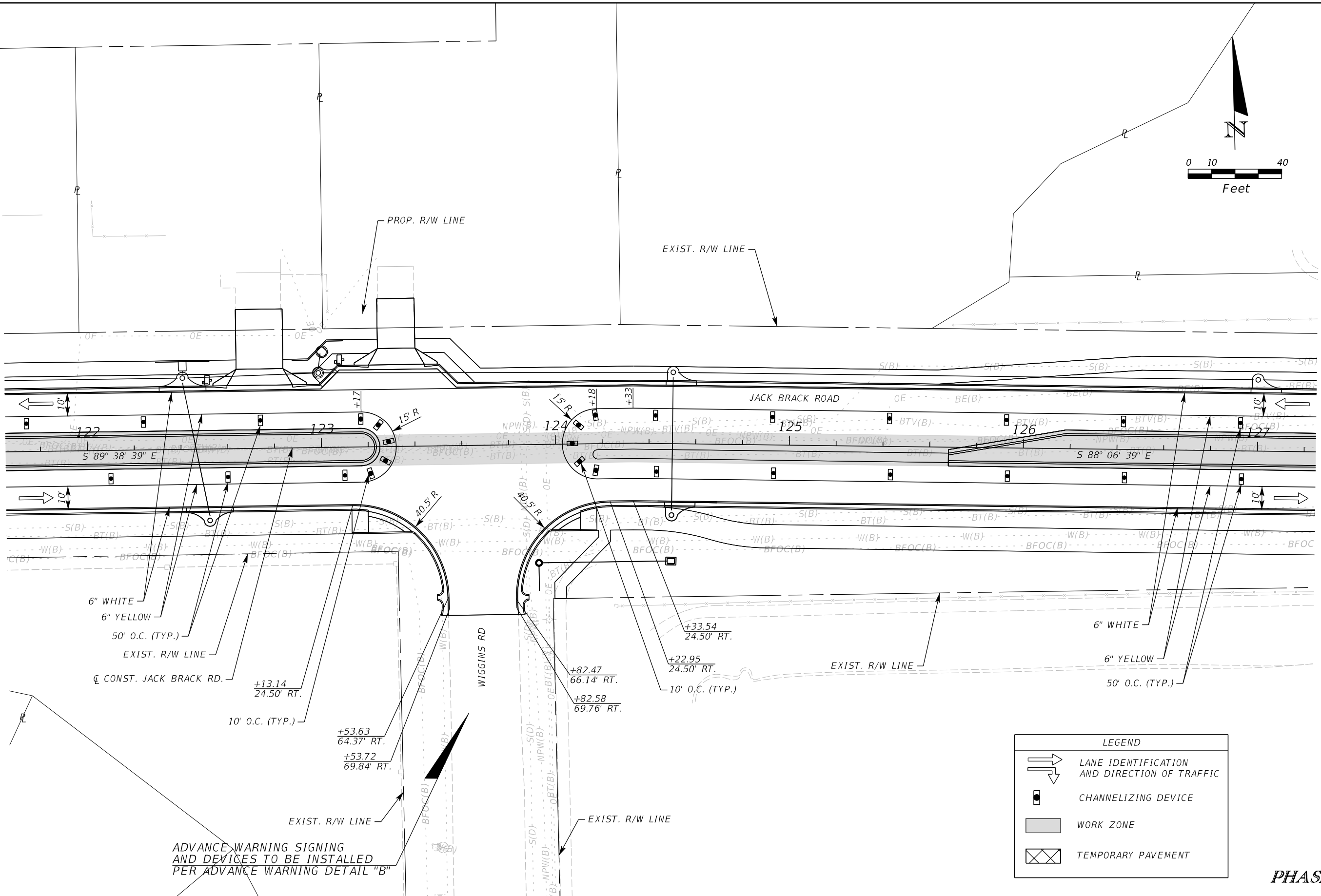
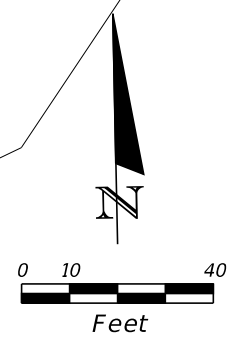
OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
505

PHASE IV

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6" WHITE
 6" YELLOW
 50' O.C. (TYP.)
 EXIST. R/W LINE
 CEN. CONST. JACK BRACK RD.

6" WHITE
 6" YELLOW
 50' O.C. (TYP.)

ADVANCE WARNING SIGNING
 AND DEVICES TO BE INSTALLED
 PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
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**JACK BRACK ROAD
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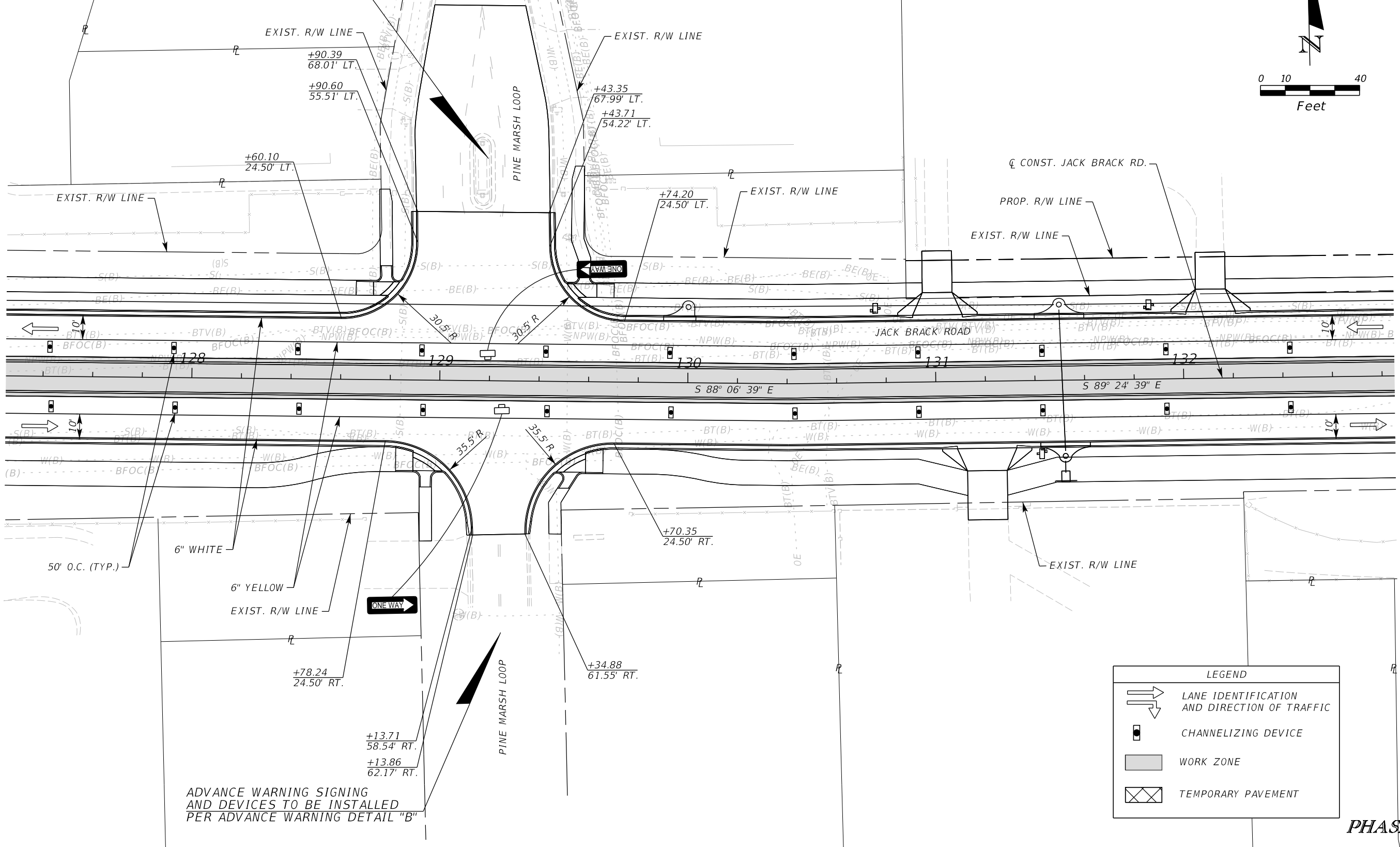
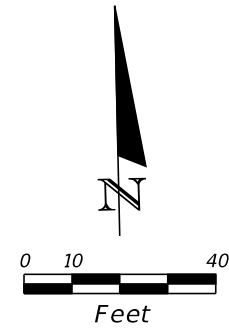
OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
 CONTROL PLAN**

SHEET NO.
506

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"



ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

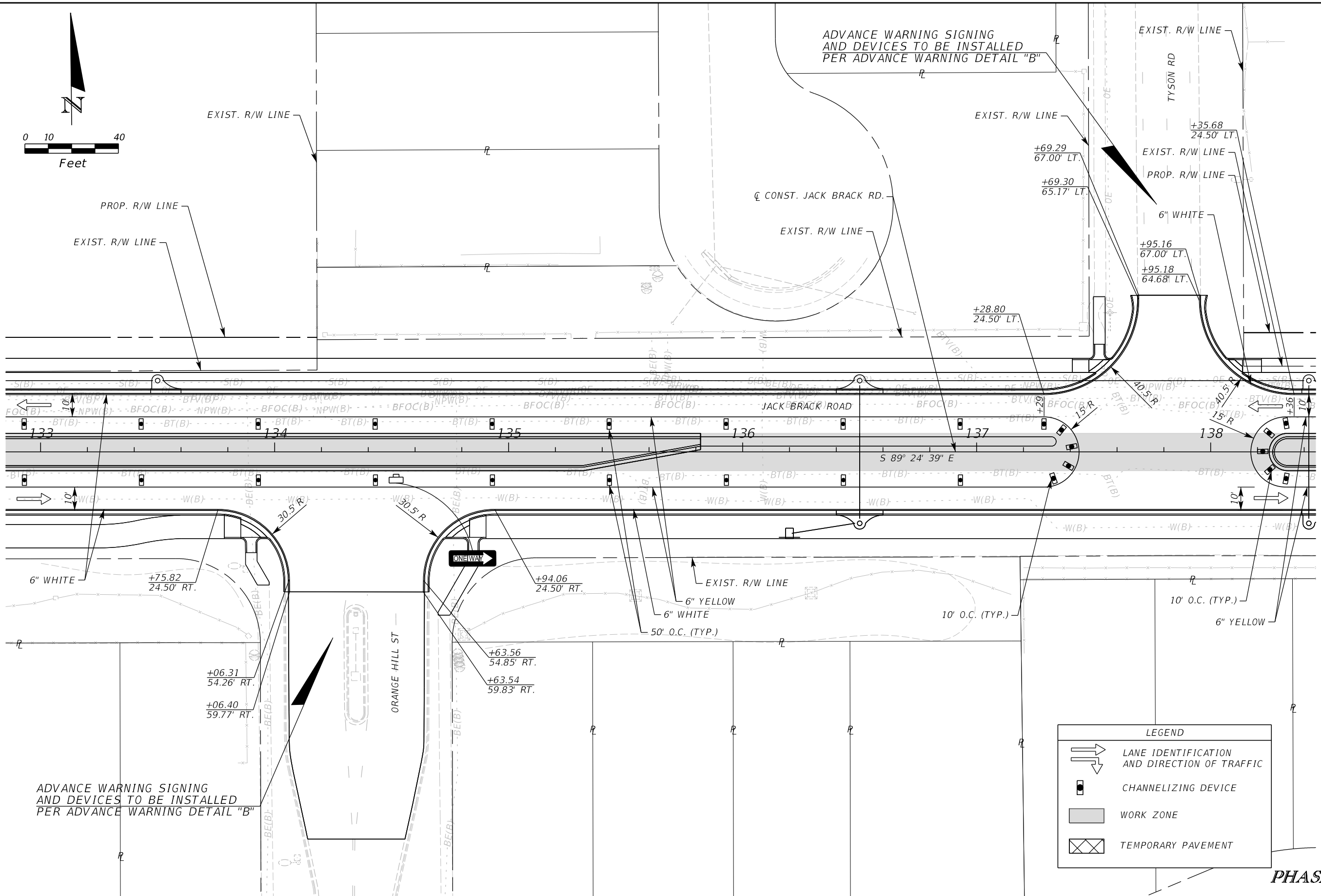
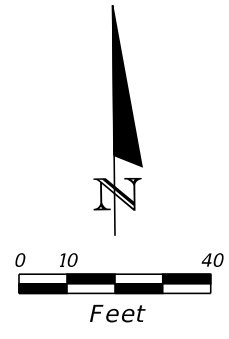
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
507

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

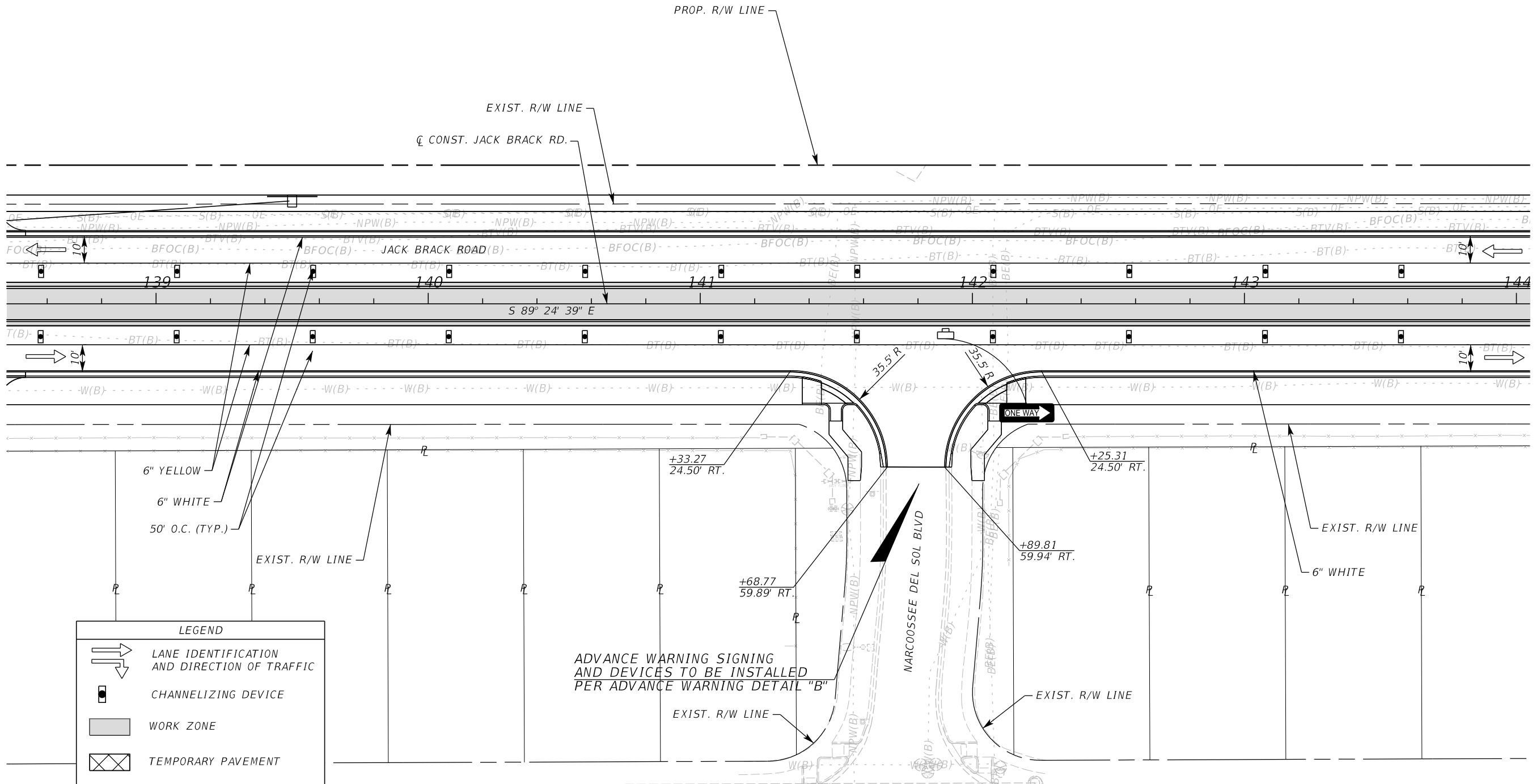
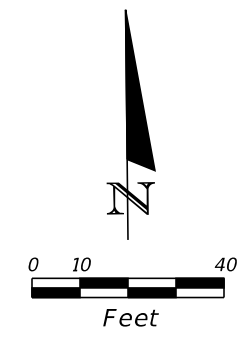
ENGINEER OF RECORD
Kevin Joseph Iannarone, PE
PE No. 71527
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765

**OSCEOLA COUNTY
ENGINEERING DEPARTMENT**
1 Courthouse Square, Suite 1100
Kissimmee, Florida 34741-5488
Voice: (407) 343-2600 Fax (407) 343-2623

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
508

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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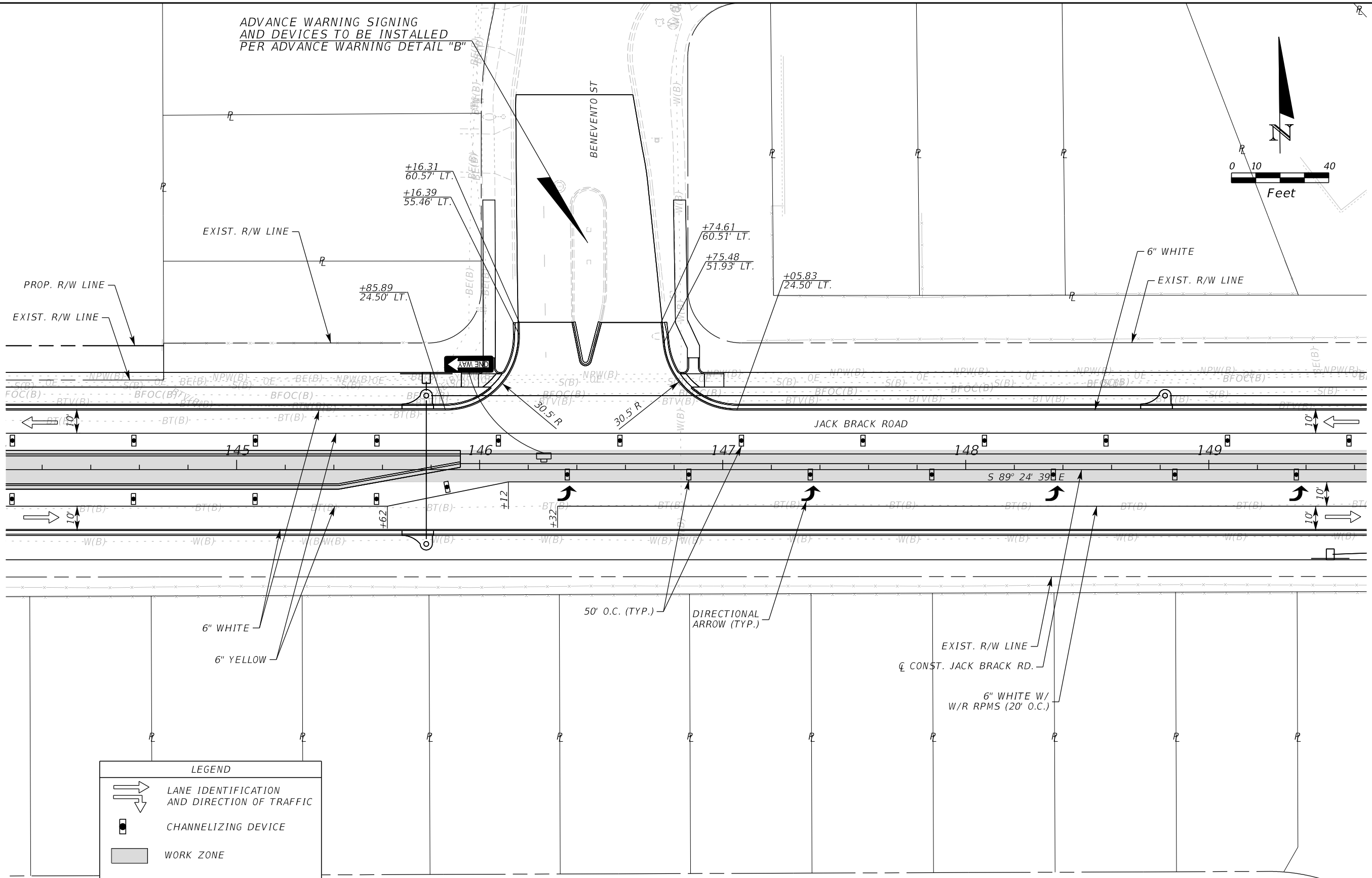
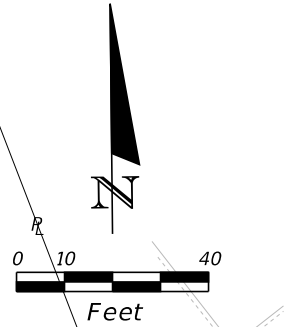
**OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
509

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ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

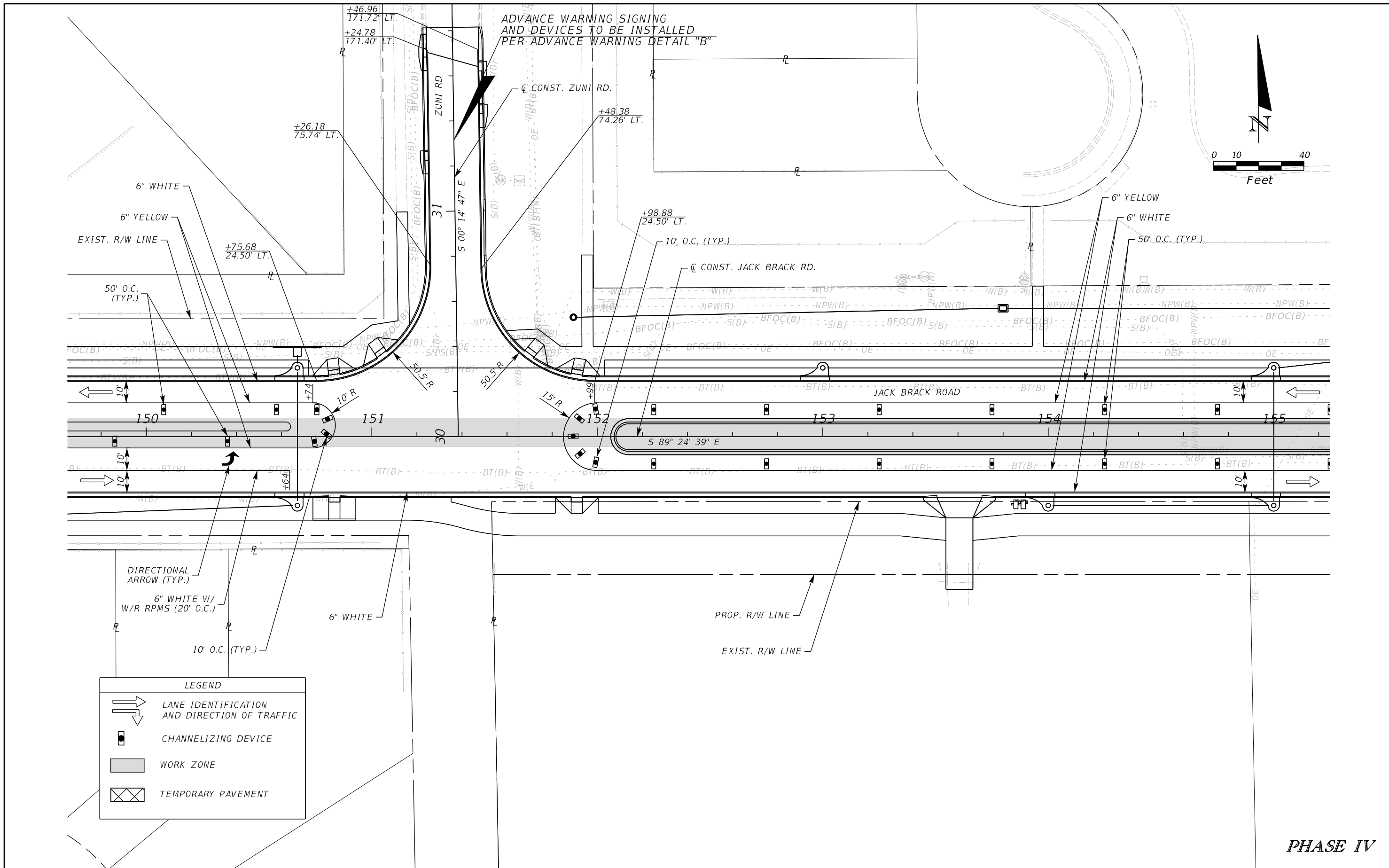
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
510

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DIRECTIONAL ARROW (TYP.)

6" WHITE W/ W/R RPMS (20' O.C.)

10' O.C. (TYP.)

6" WHITE

LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

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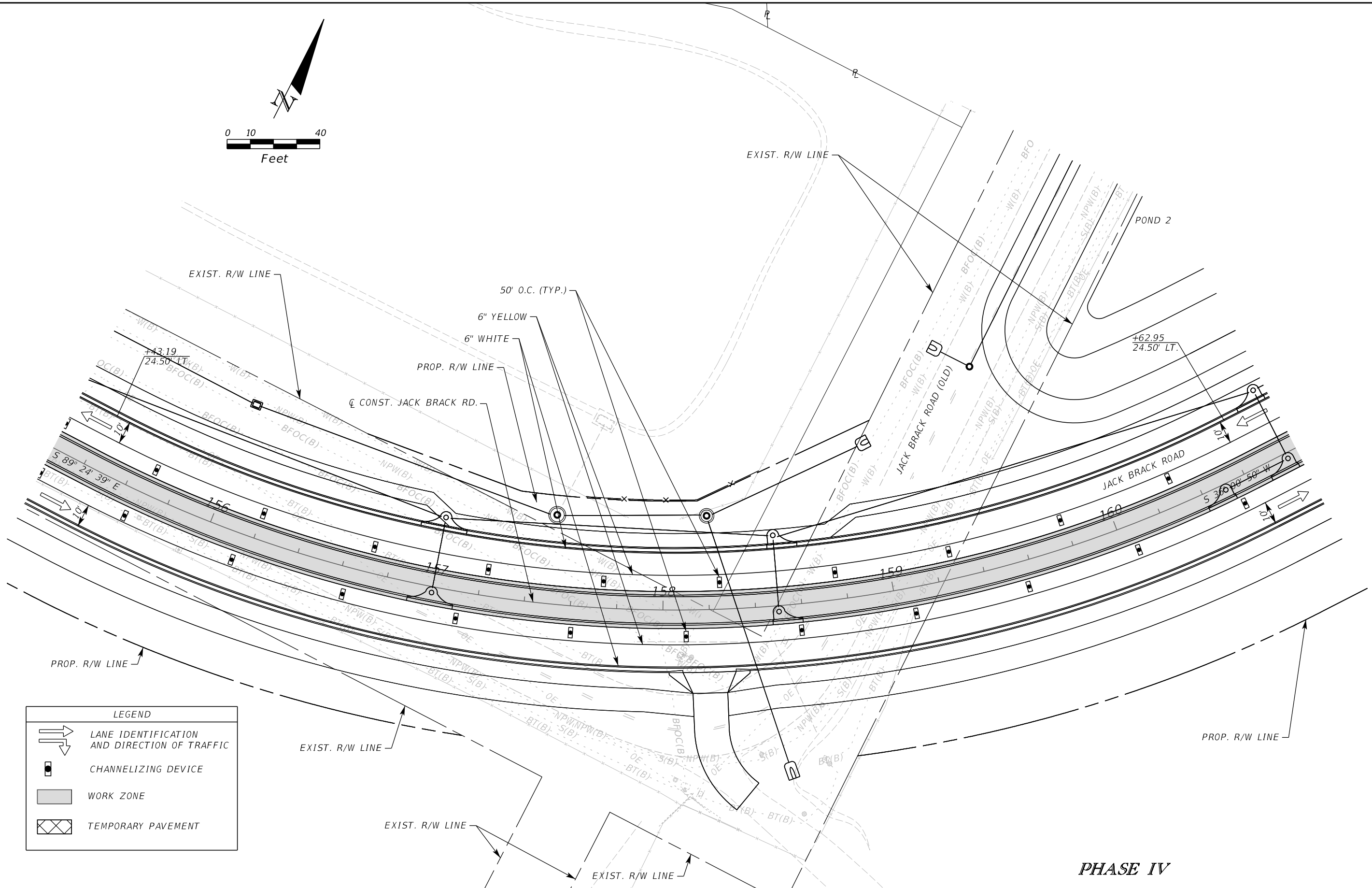
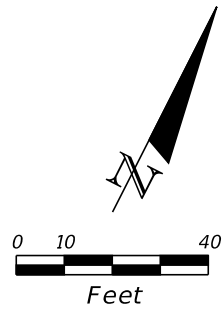


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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
511

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PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

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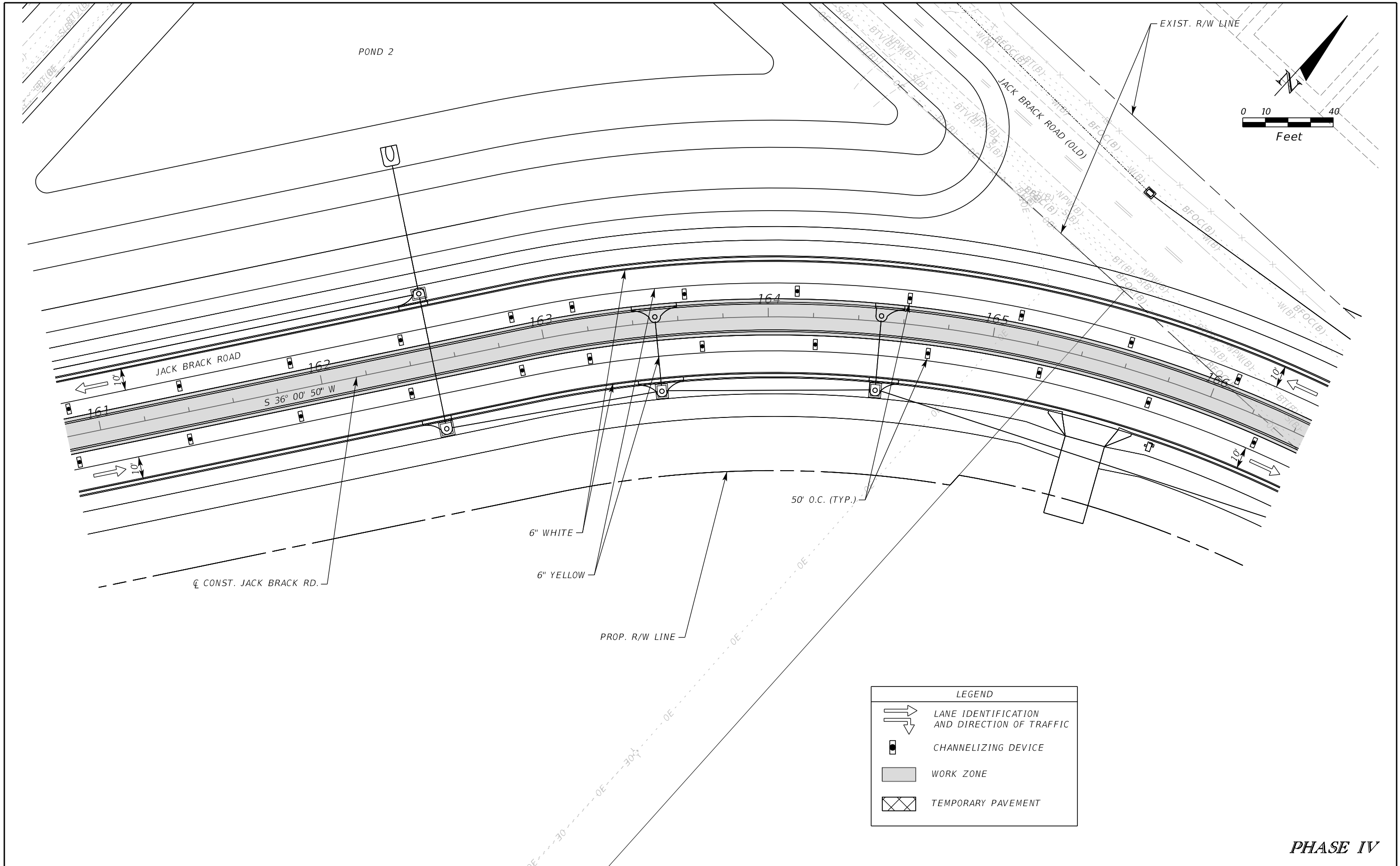
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
512

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
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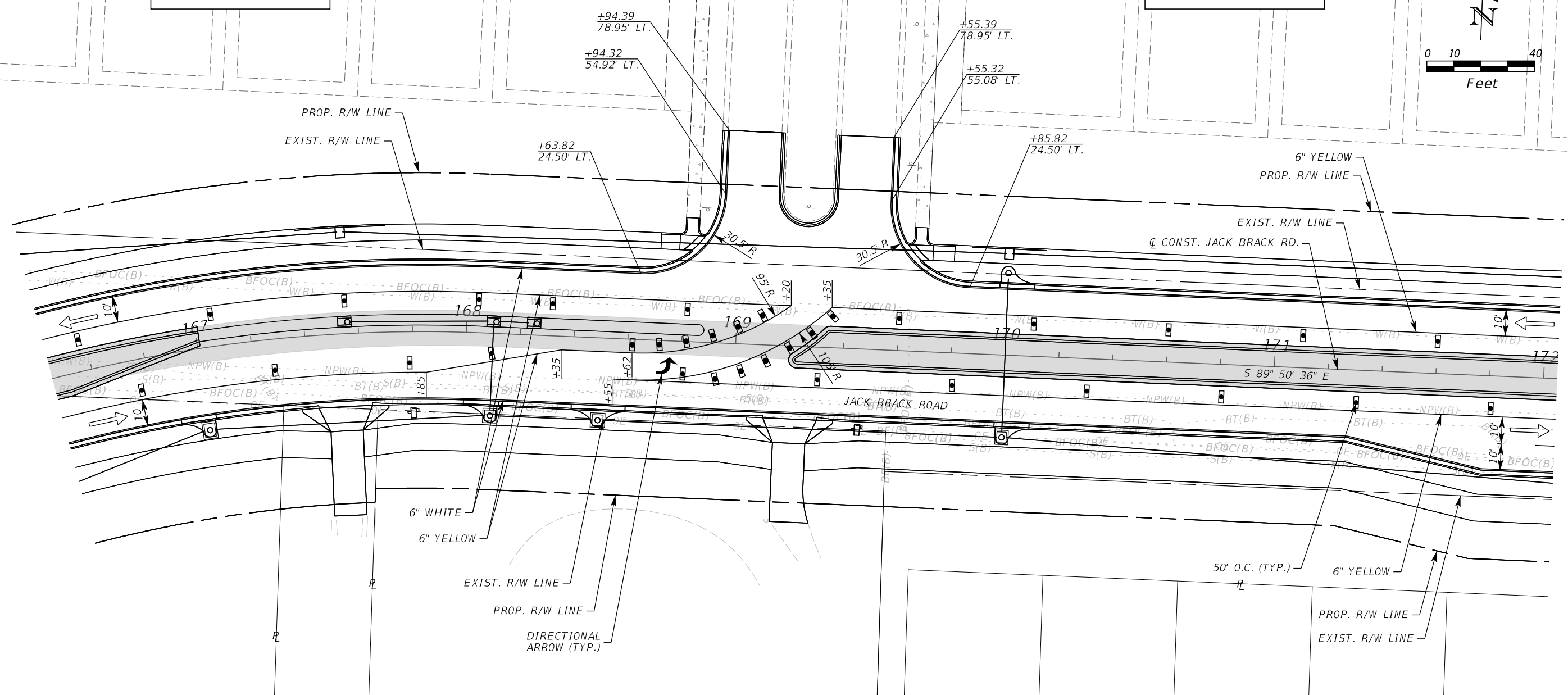
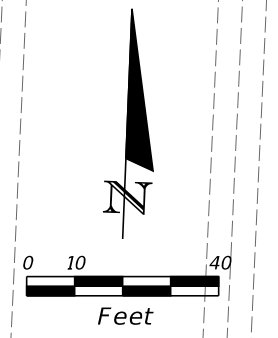
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
513

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

BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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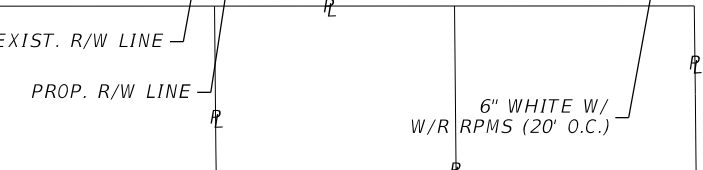
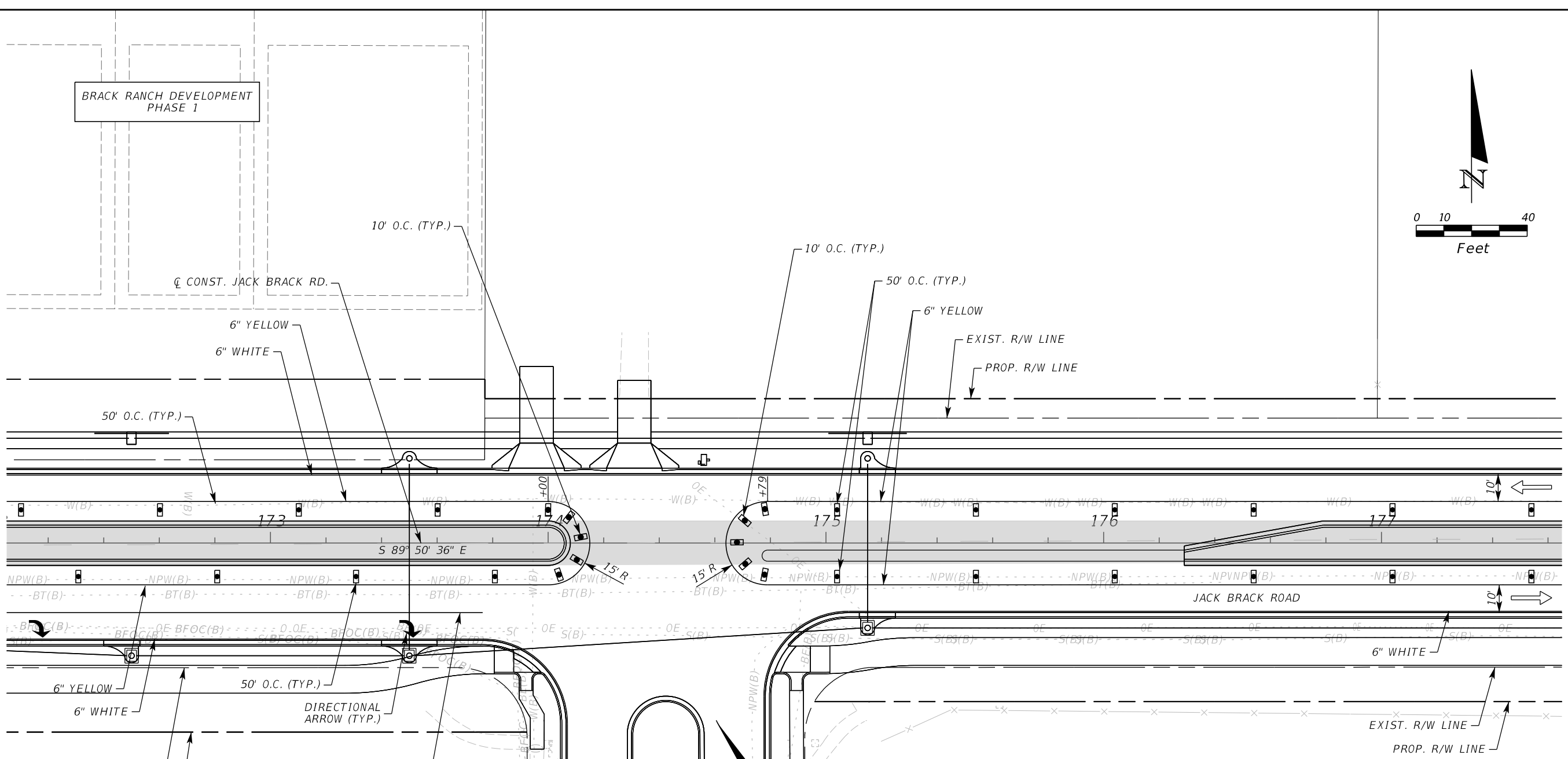
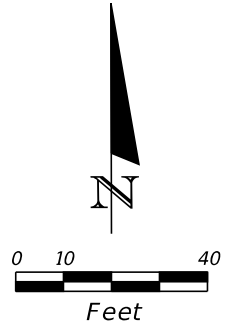
OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
514

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BRACK RANCH DEVELOPMENT
PHASE 1



LEGEND

- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
- WORK ZONE
- TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING
AND DEVICES TO BE INSTALLED
PER ADVANCE WARNING DETAIL "B"

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

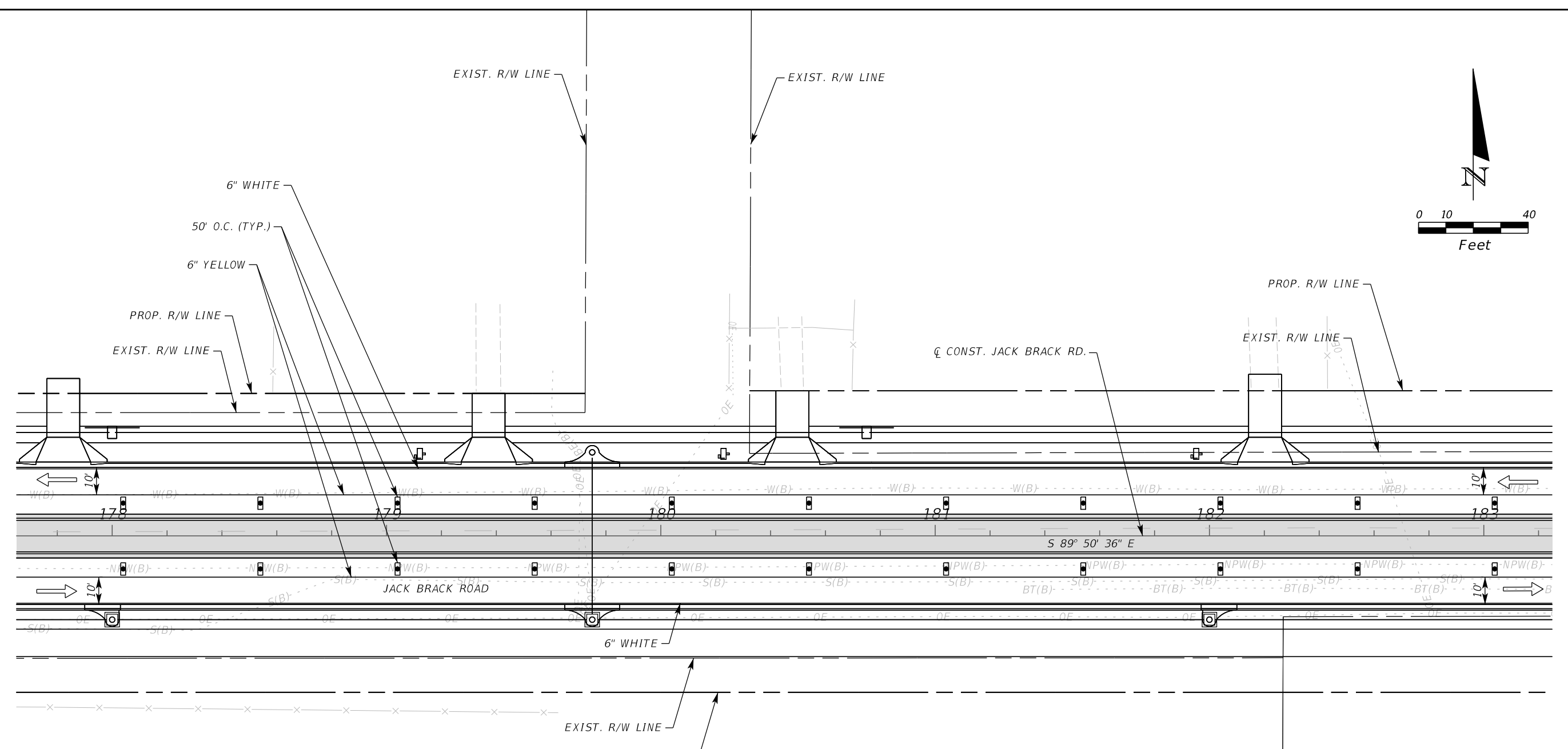
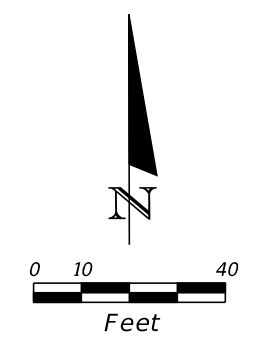
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

**SHEET
NO.
515**

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

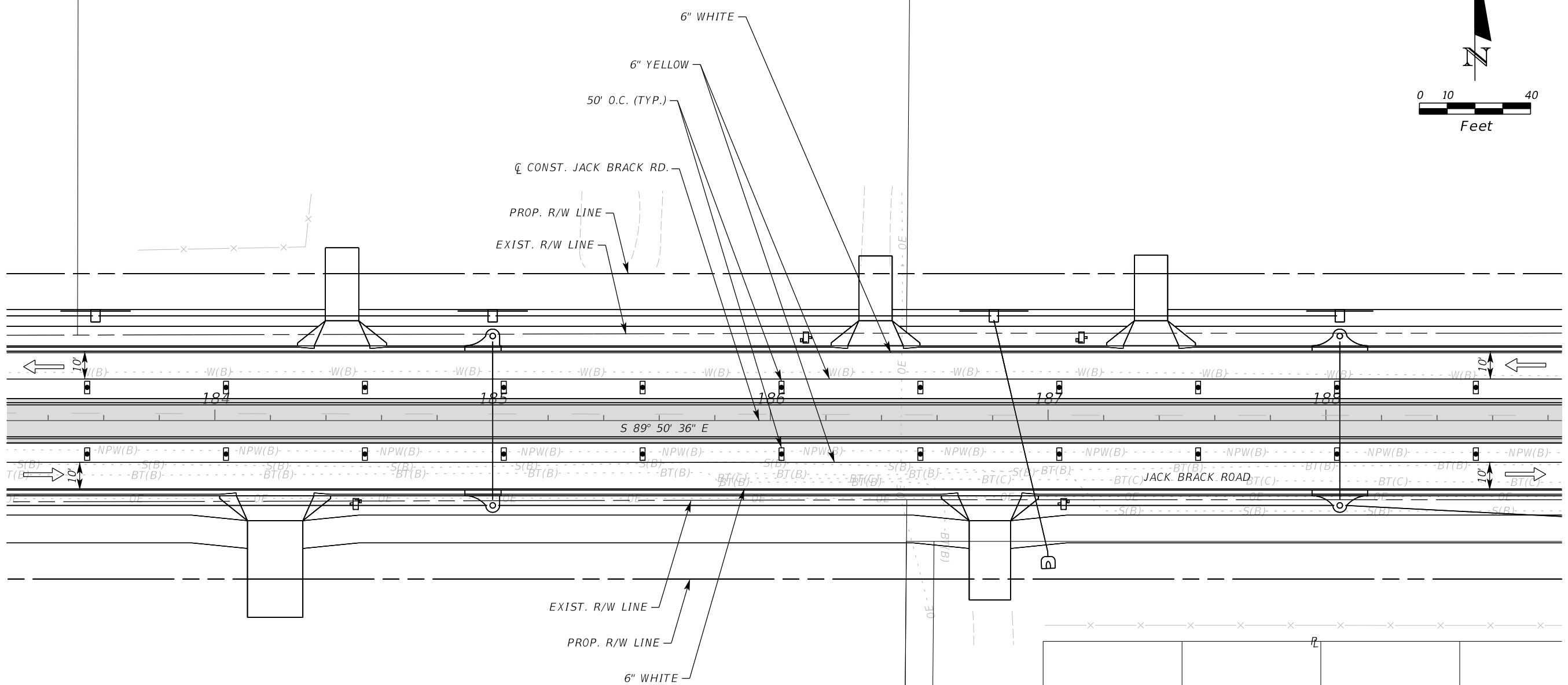
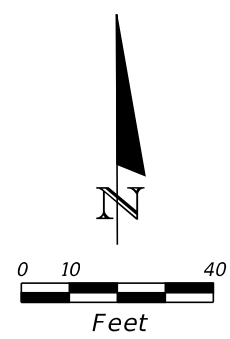
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
516

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

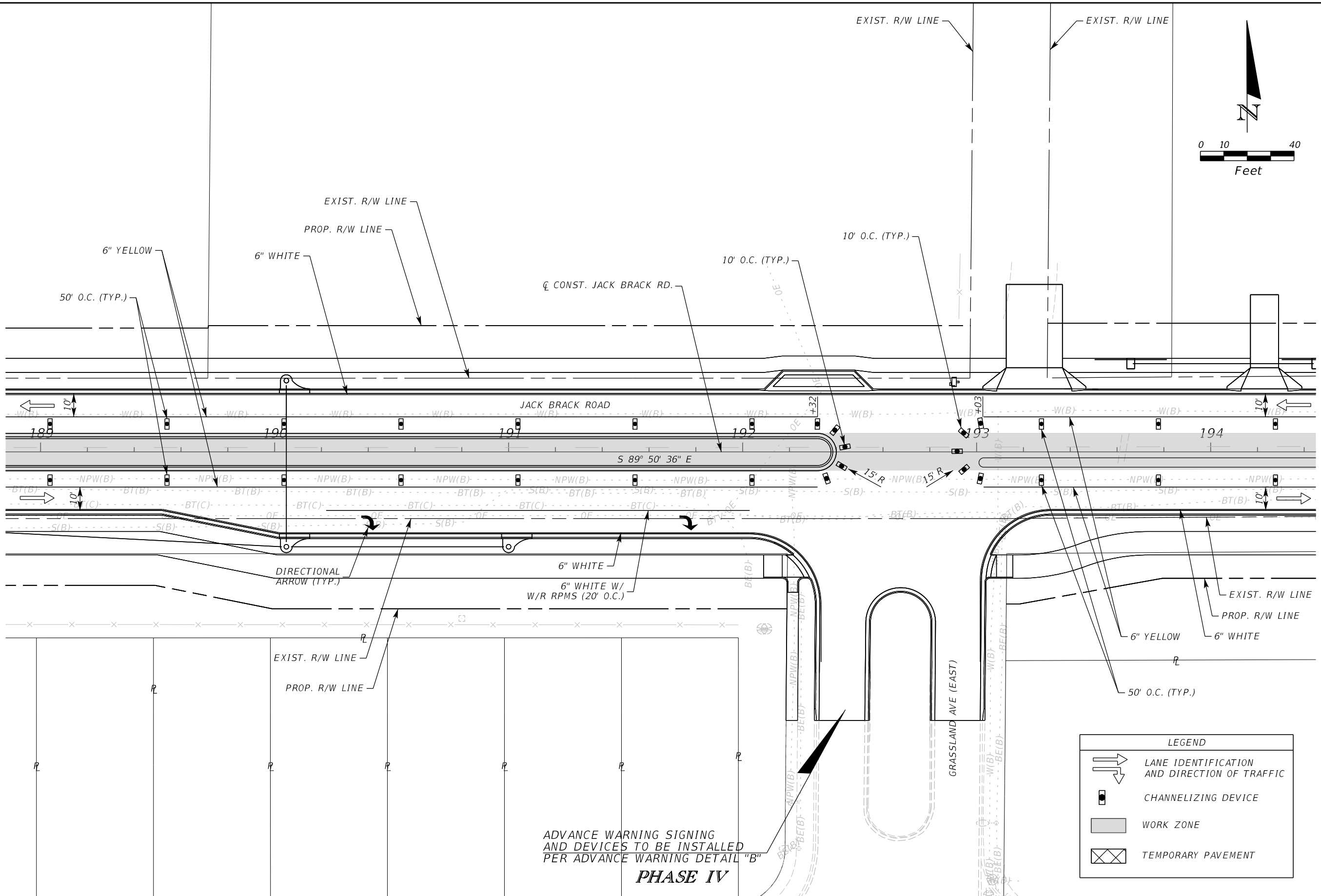
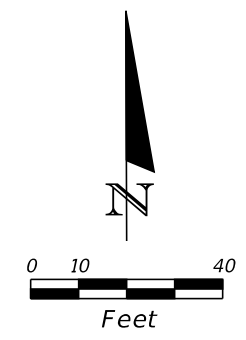
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
517

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"
PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**

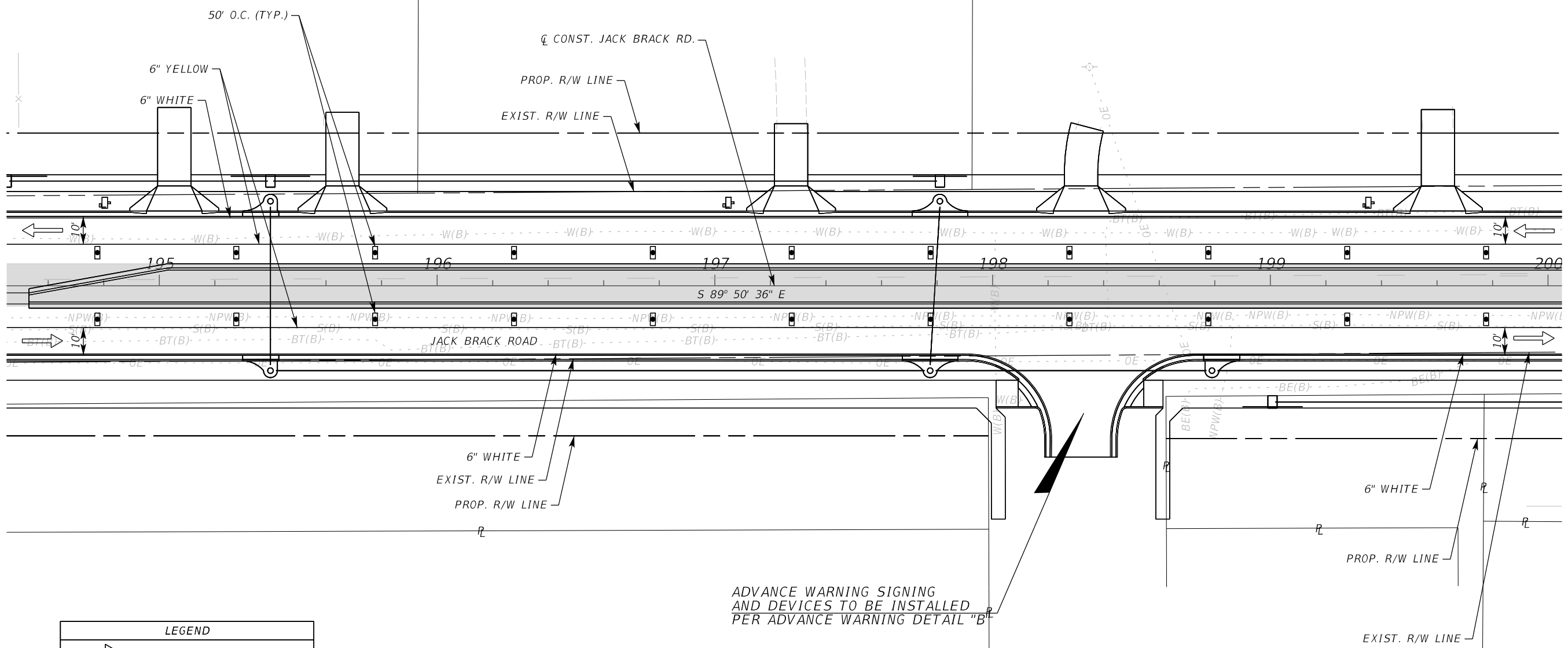
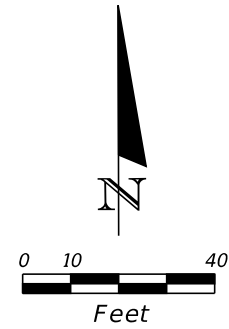
ENGINEER OF RECORD
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OSCEOLA COUNTY
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 Kissimmee, Florida 34741-5488
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**TEMPORARY TRAFFIC
 CONTROL PLAN**

SHEET NO.
518

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



ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

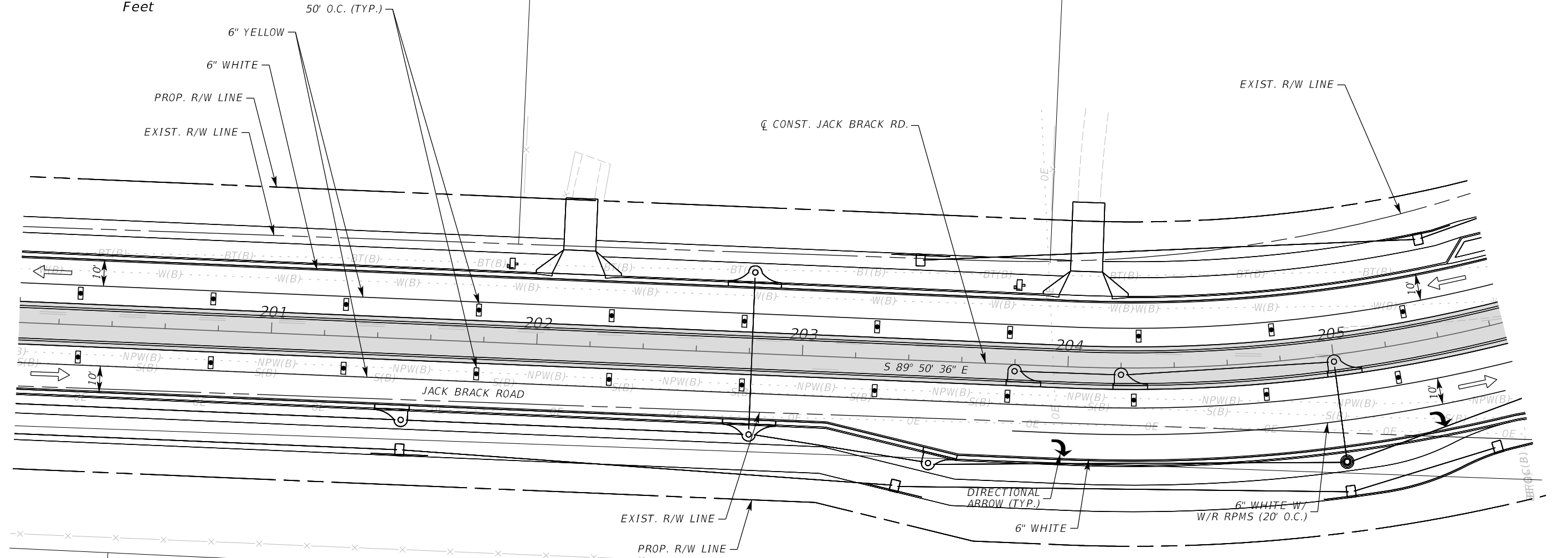
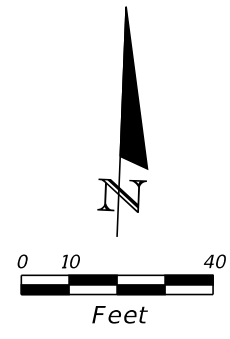
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
519

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
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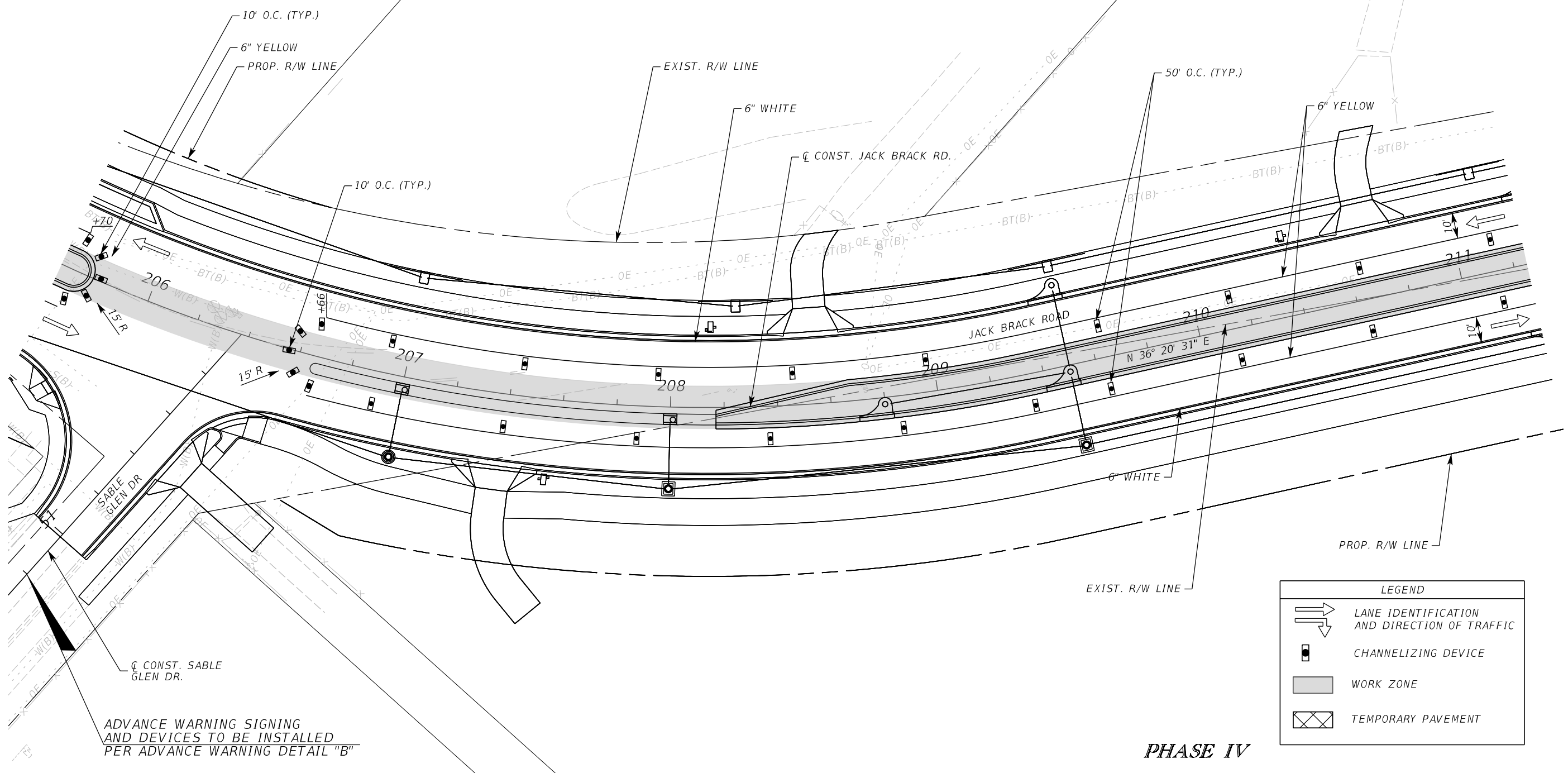
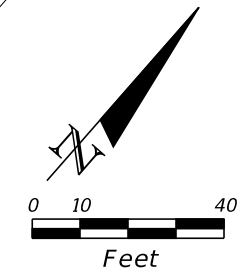
OSCEOLA COUNTY
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
520

PHASE IV

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ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

PHASE IV

LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

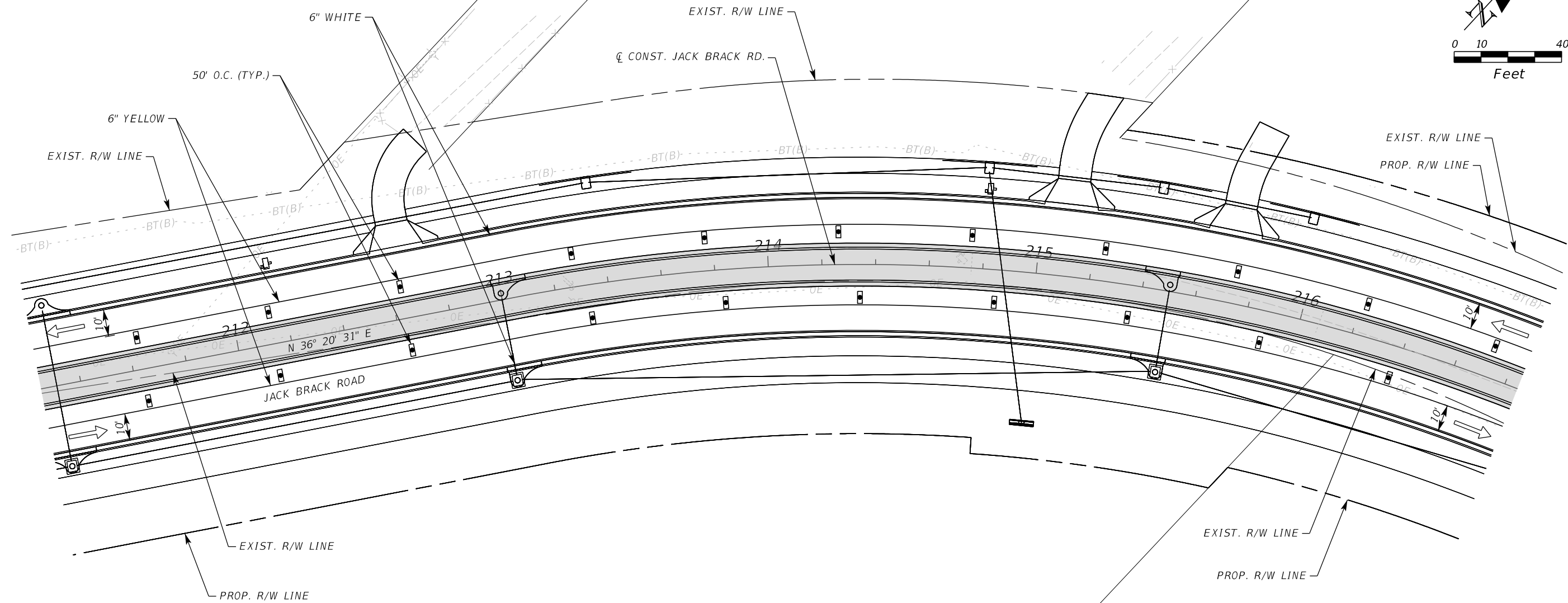
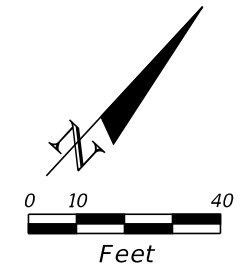
ENGINEER OF RECORD
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
521

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

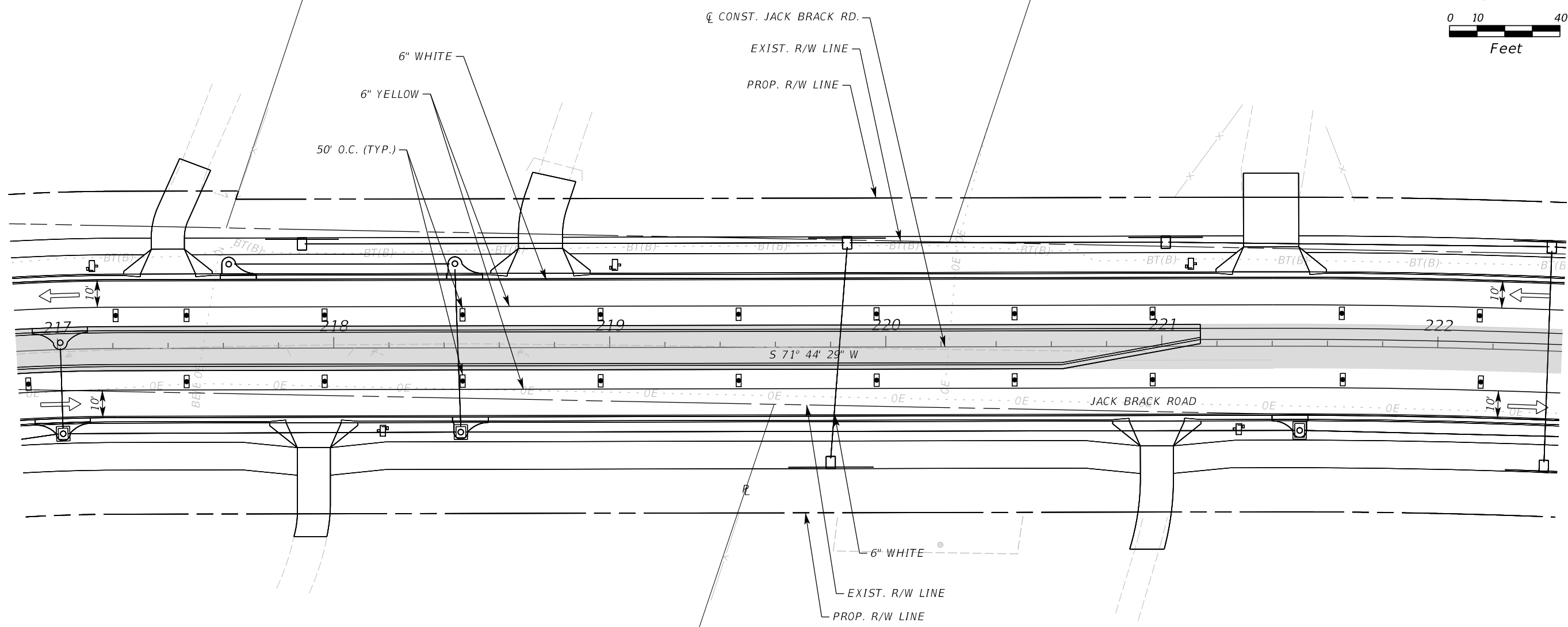
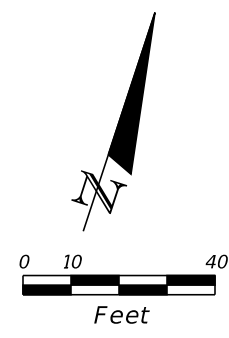
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
522

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

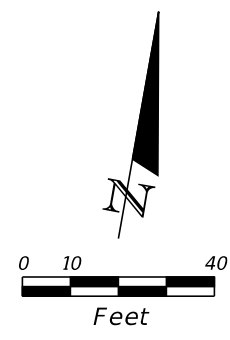
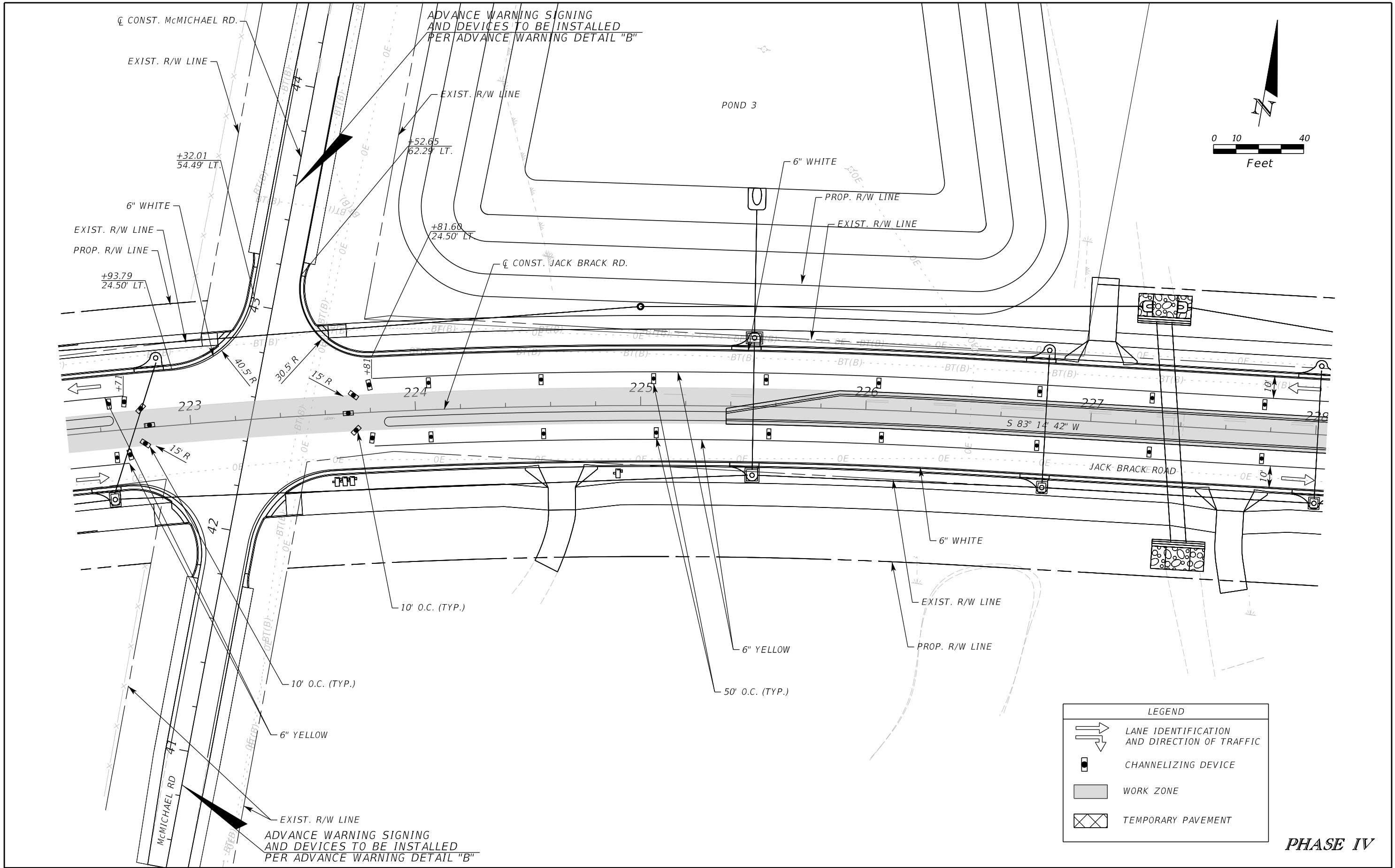
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
523

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

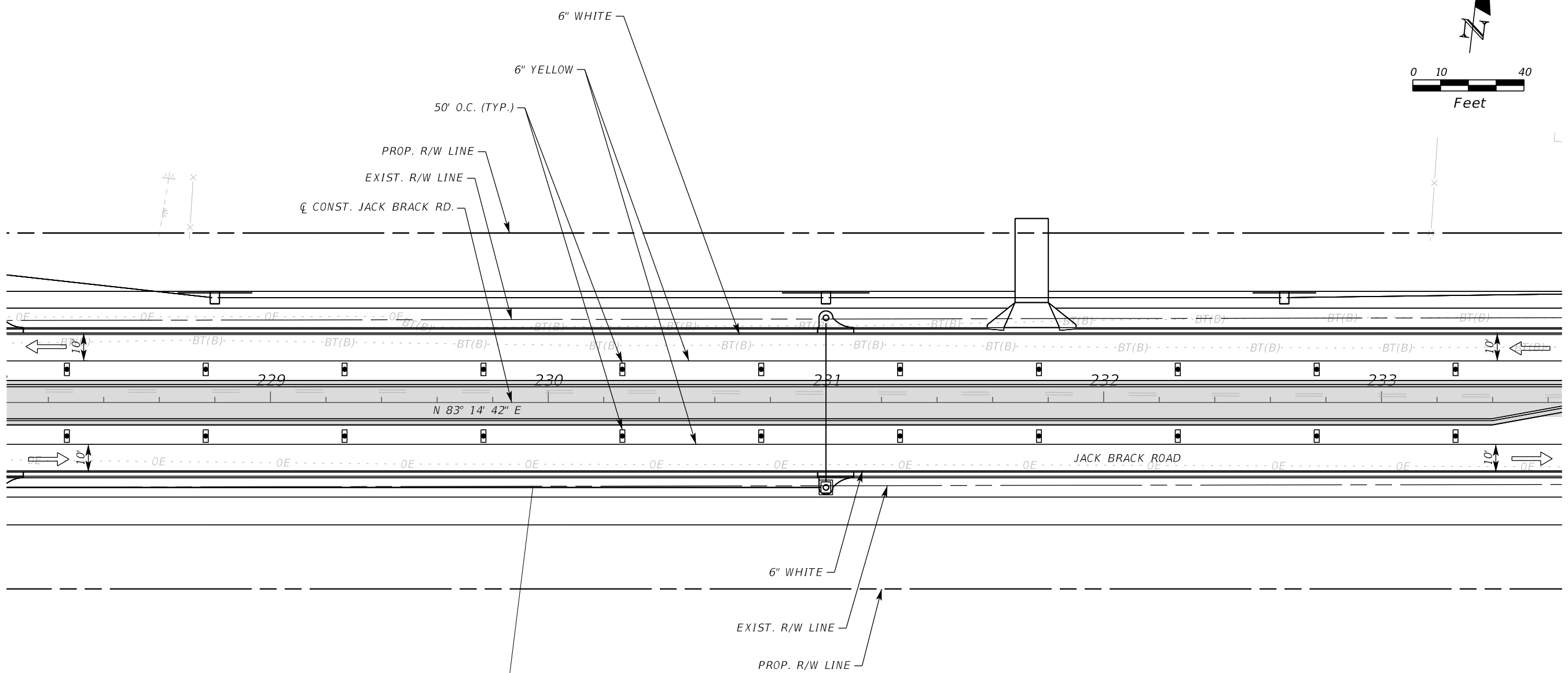
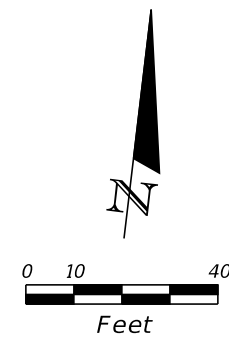
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
524

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

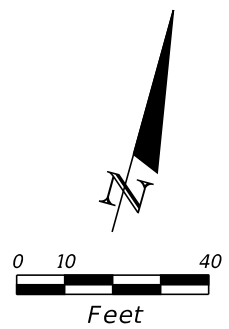
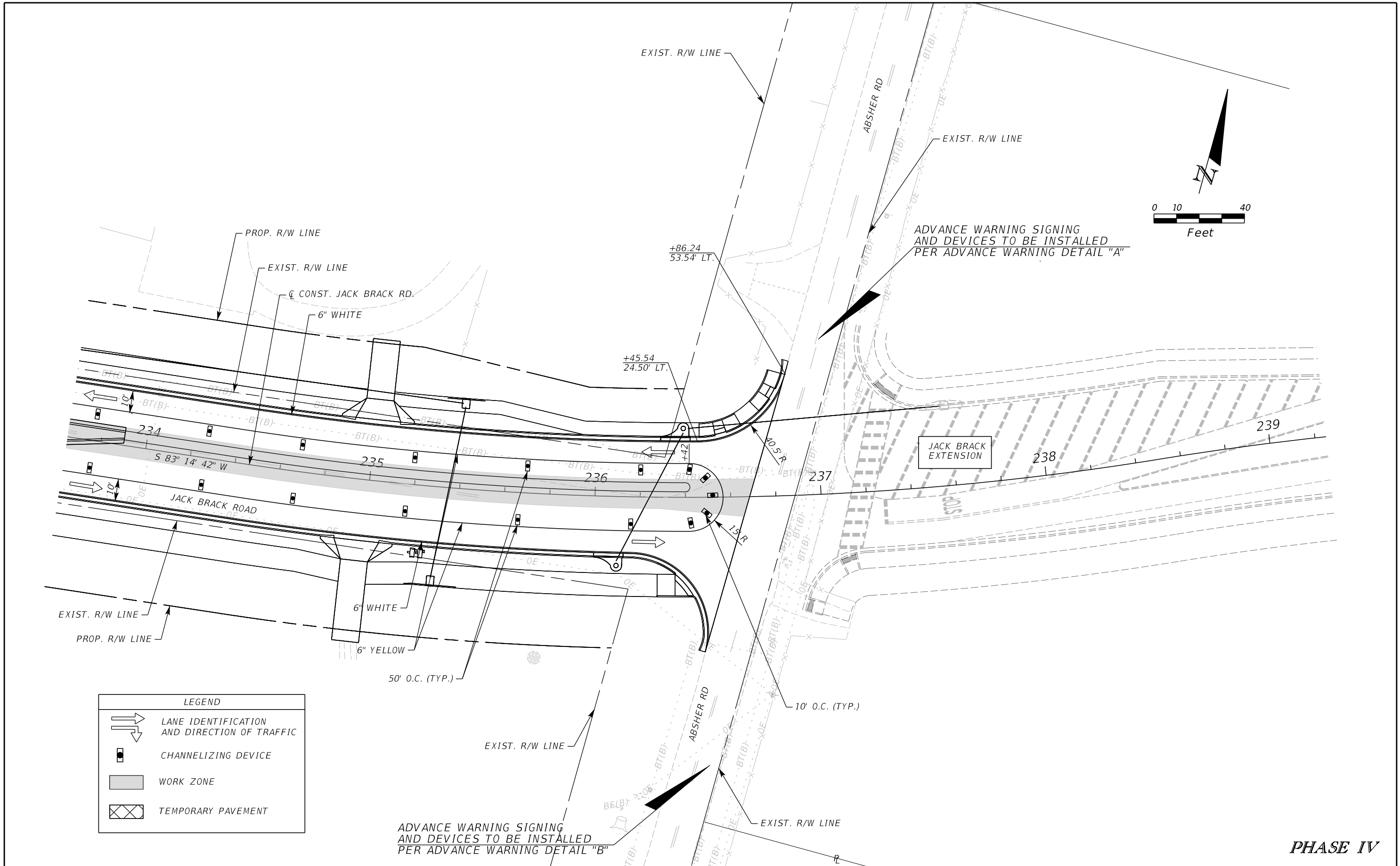
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**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
525

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LEGEND	
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	CHANNELIZING DEVICE
	WORK ZONE
	TEMPORARY PAVEMENT

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "B"

ADVANCE WARNING SIGNING AND DEVICES TO BE INSTALLED PER ADVANCE WARNING DETAIL "A"

PHASE IV

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

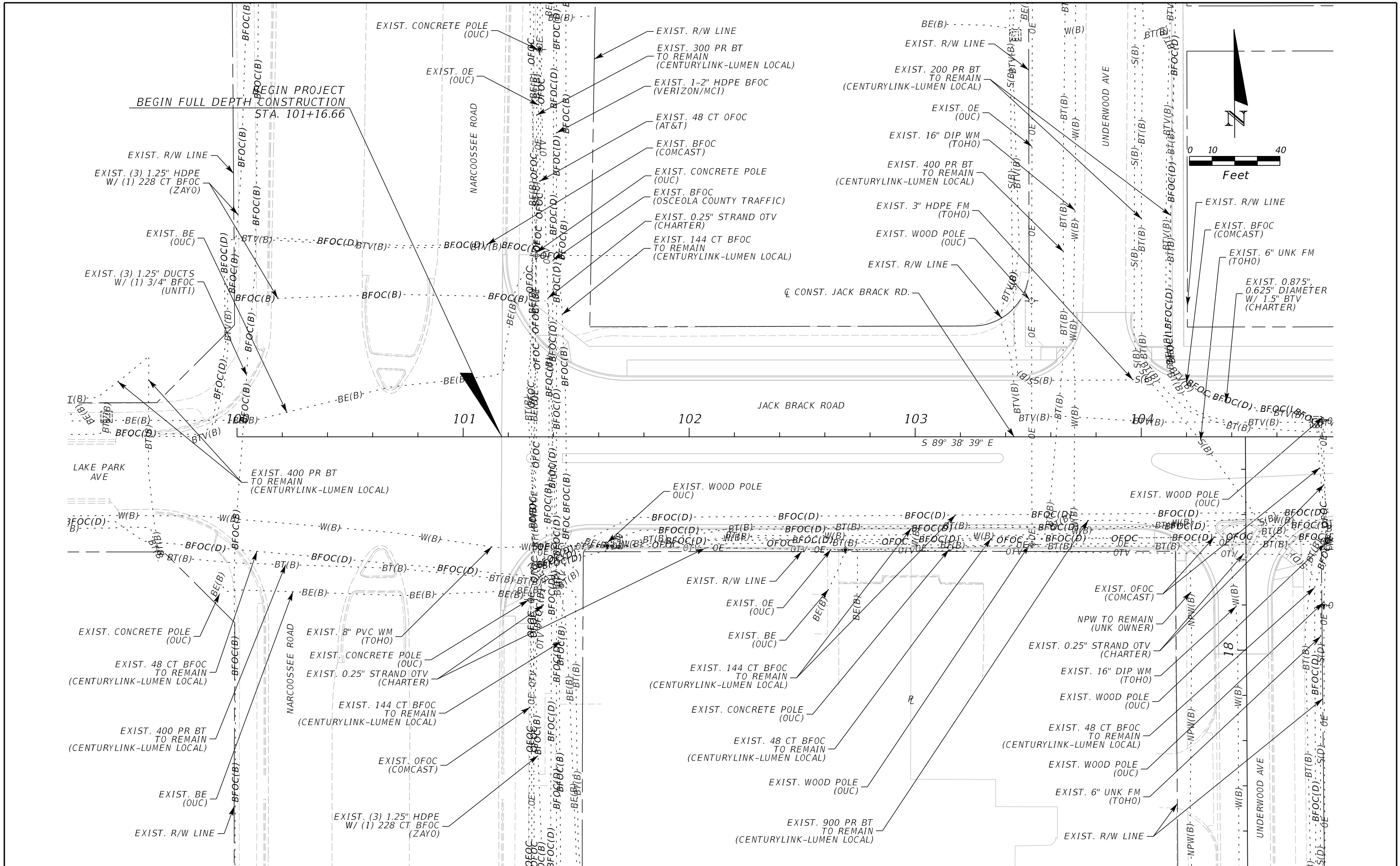
ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

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ENGINEERING DEPARTMENT**
 1 Courthouse Square, Suite 1100
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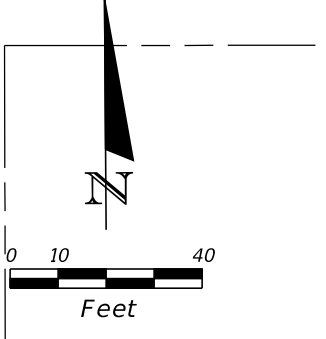
**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET NO.
526

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BEGIN FULL DEPTH CONSTRUCTION
STA. 101+16.66



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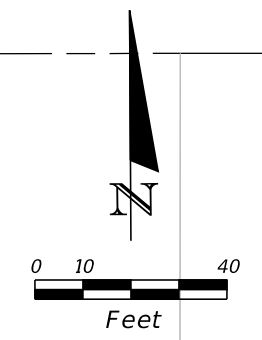
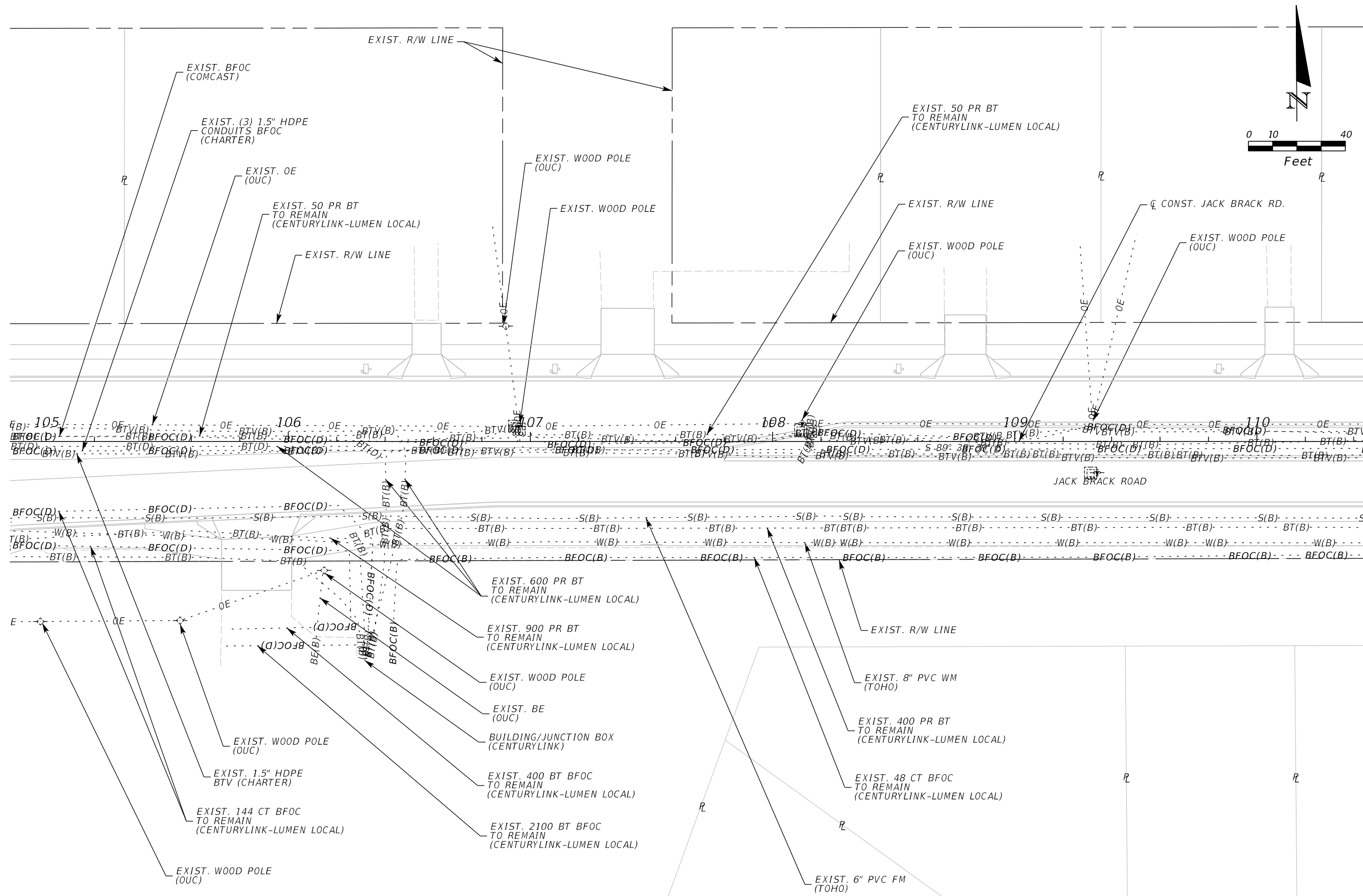


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UTILITY ADJUSTMENTS

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527

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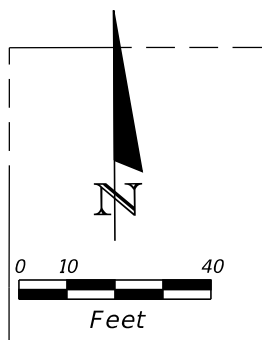
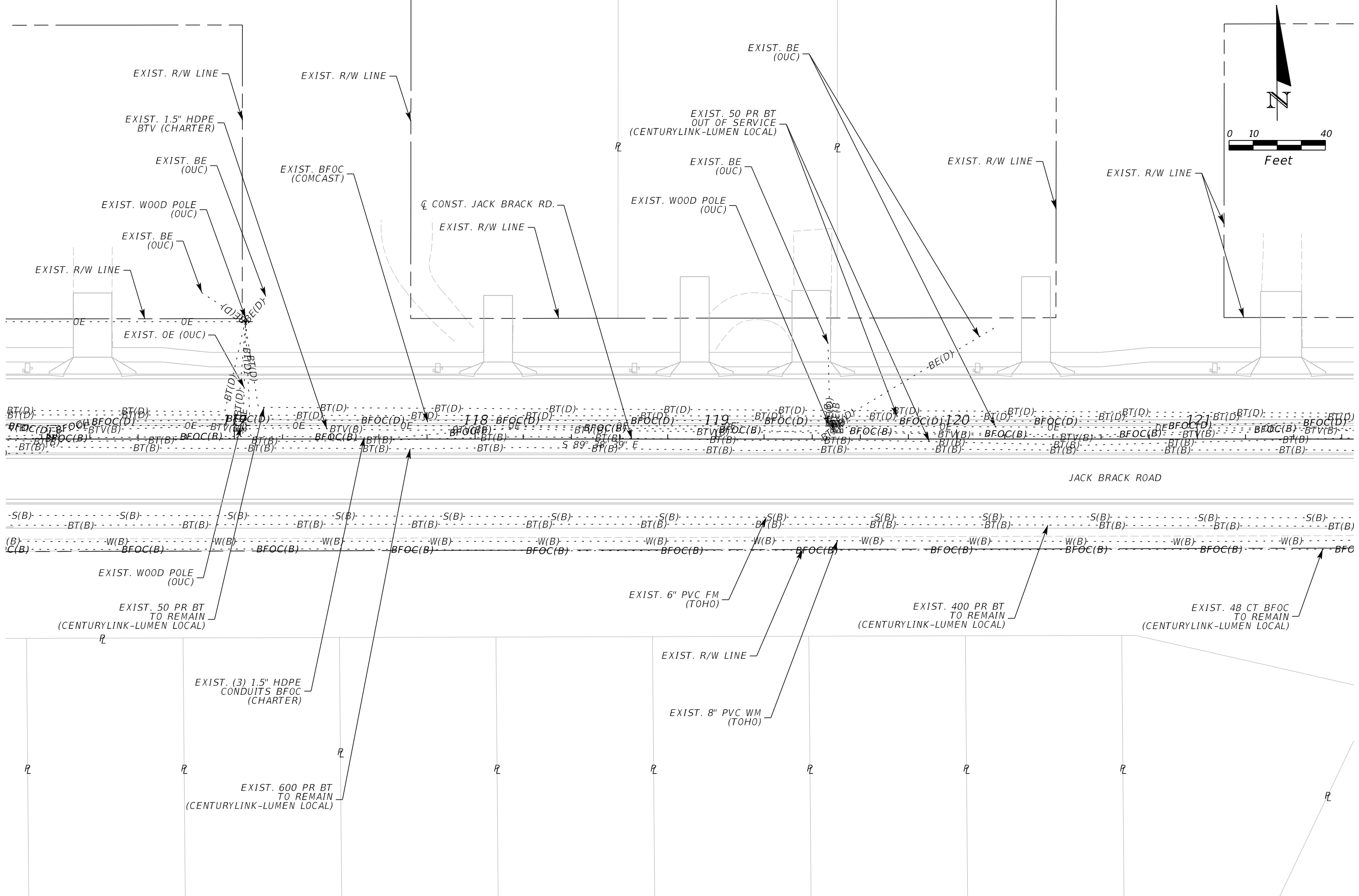


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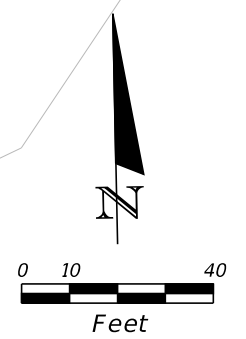
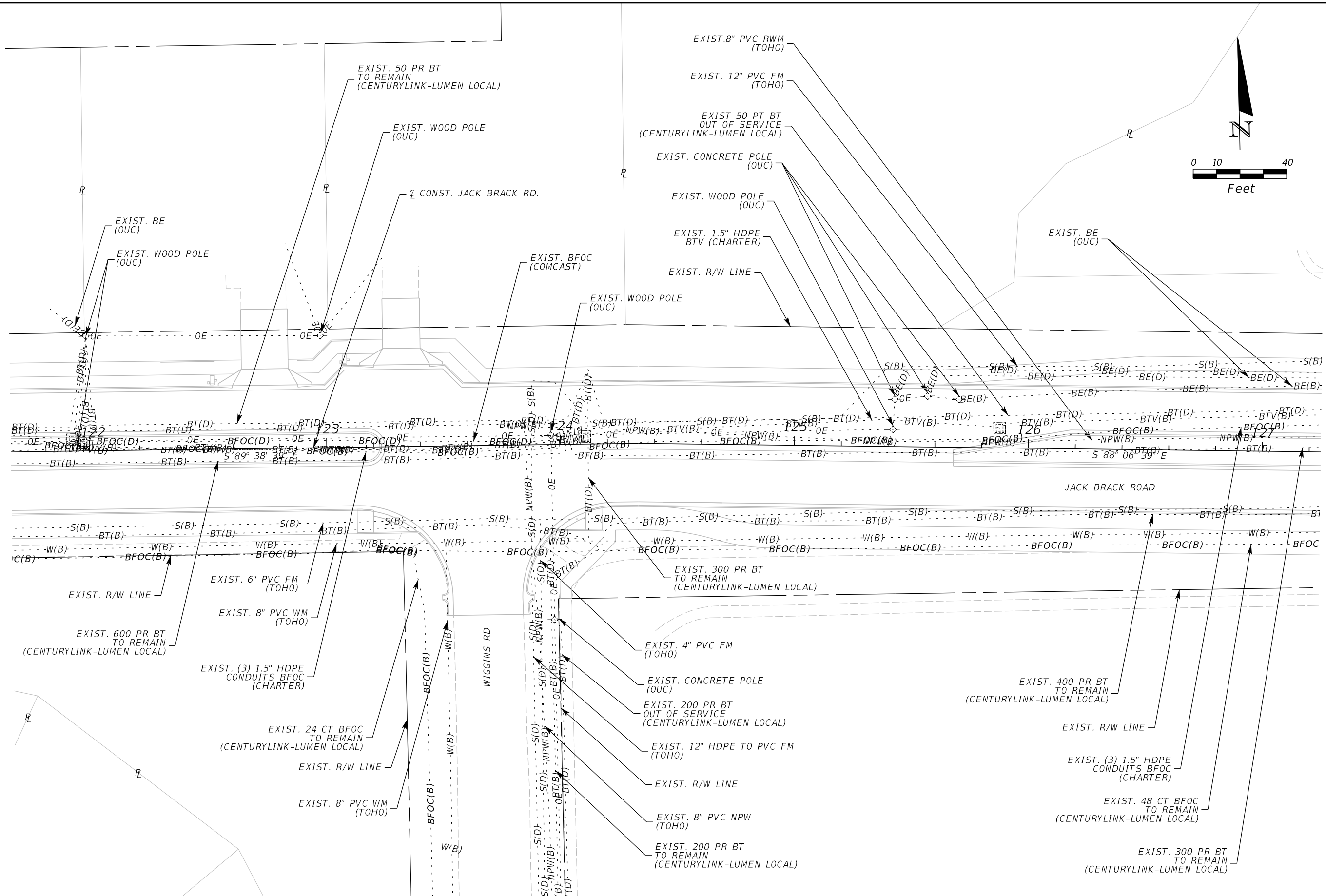


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UTILITY ADJUSTMENTS

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530

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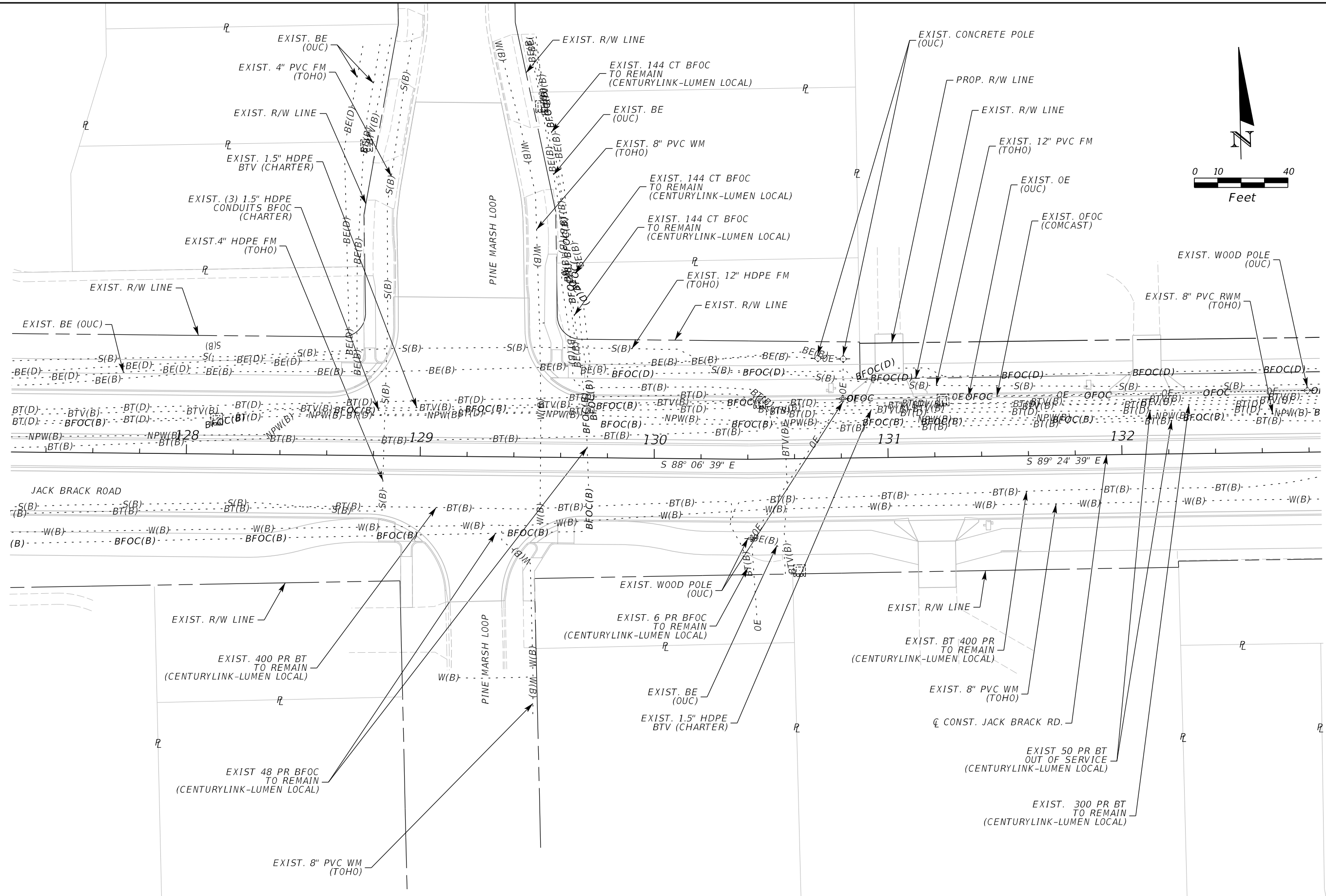
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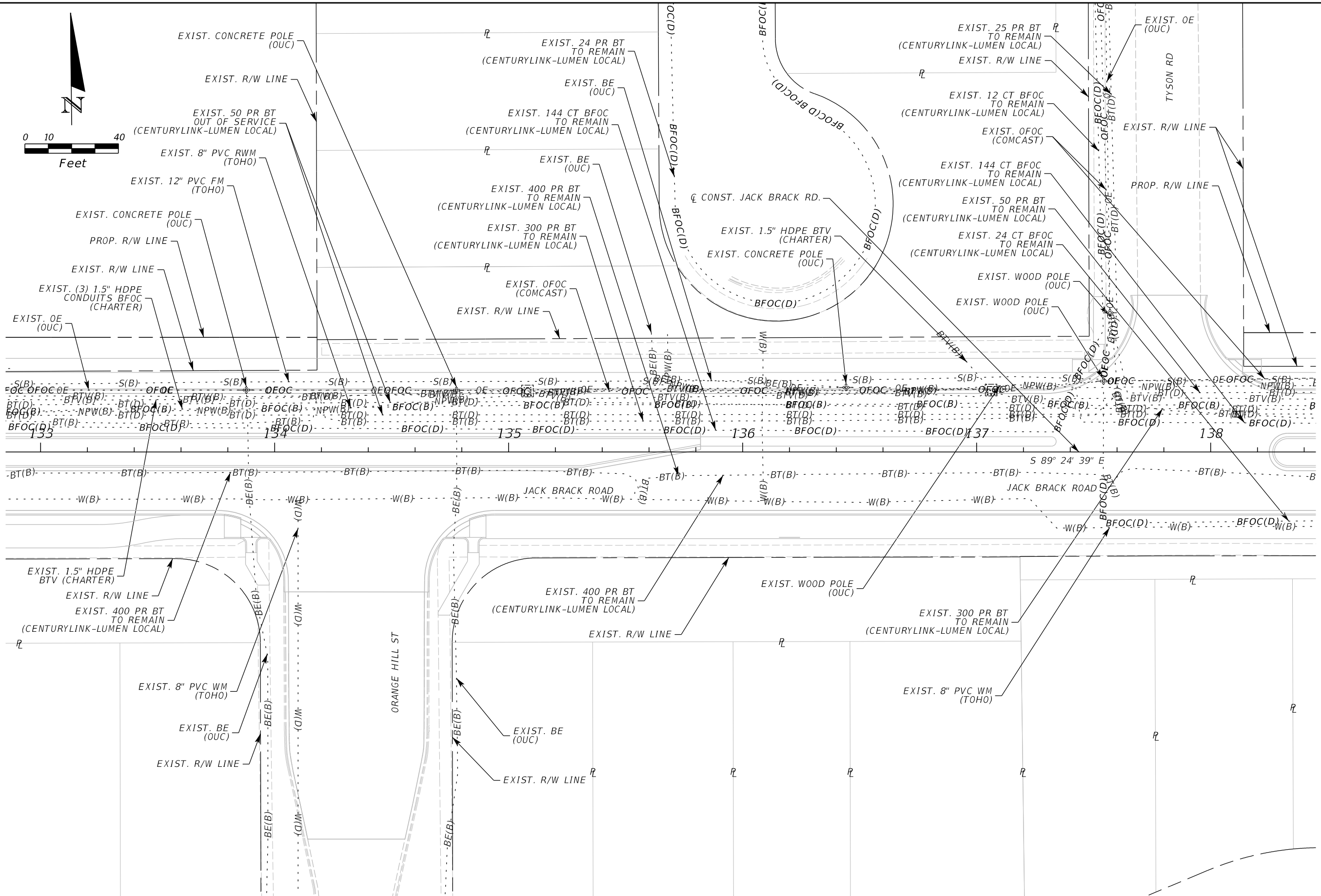
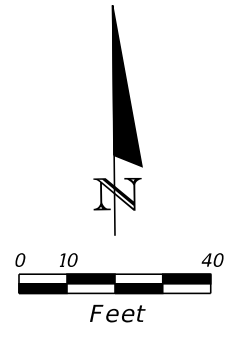
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532



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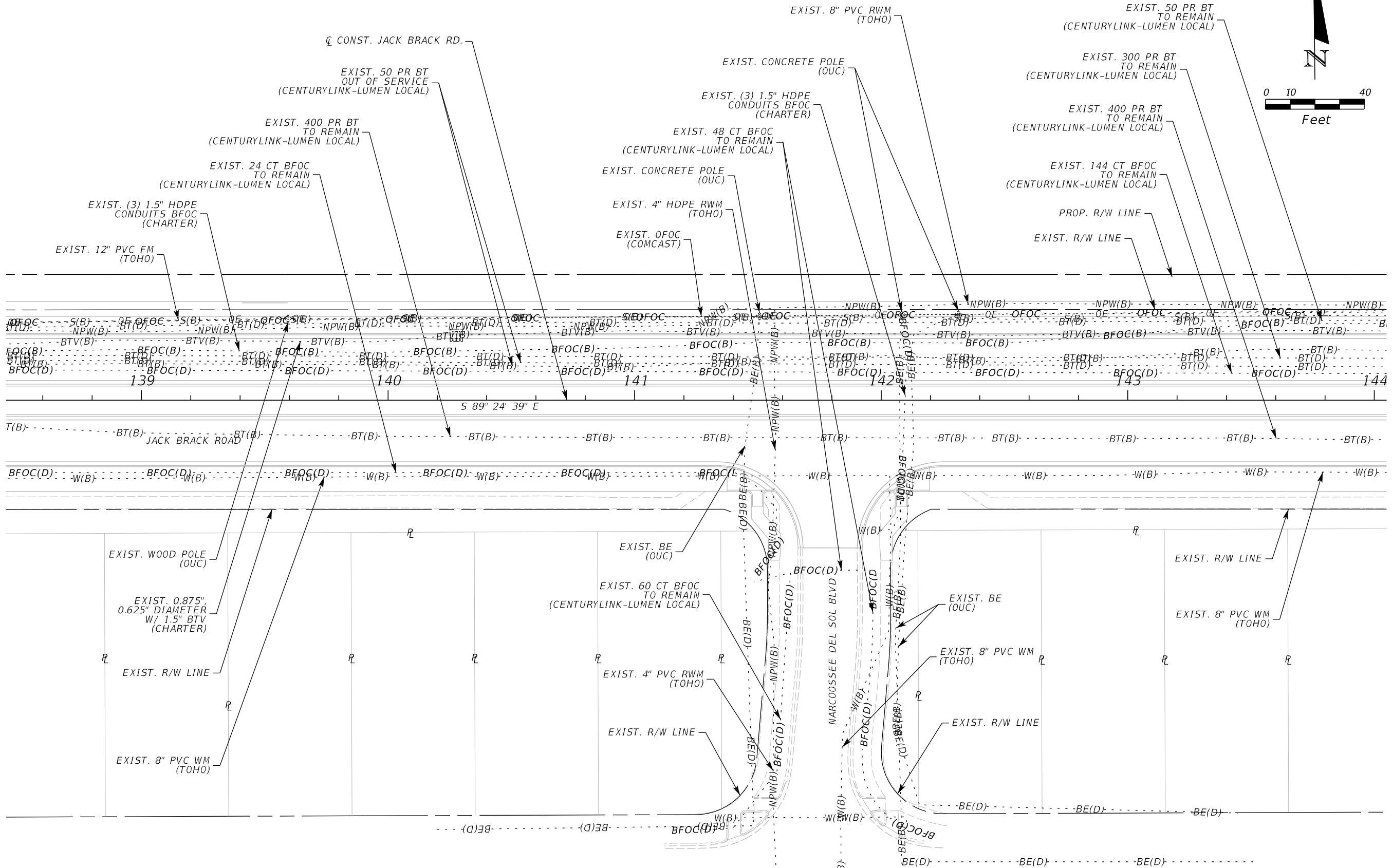
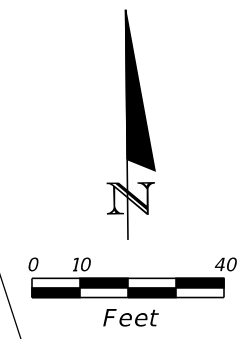
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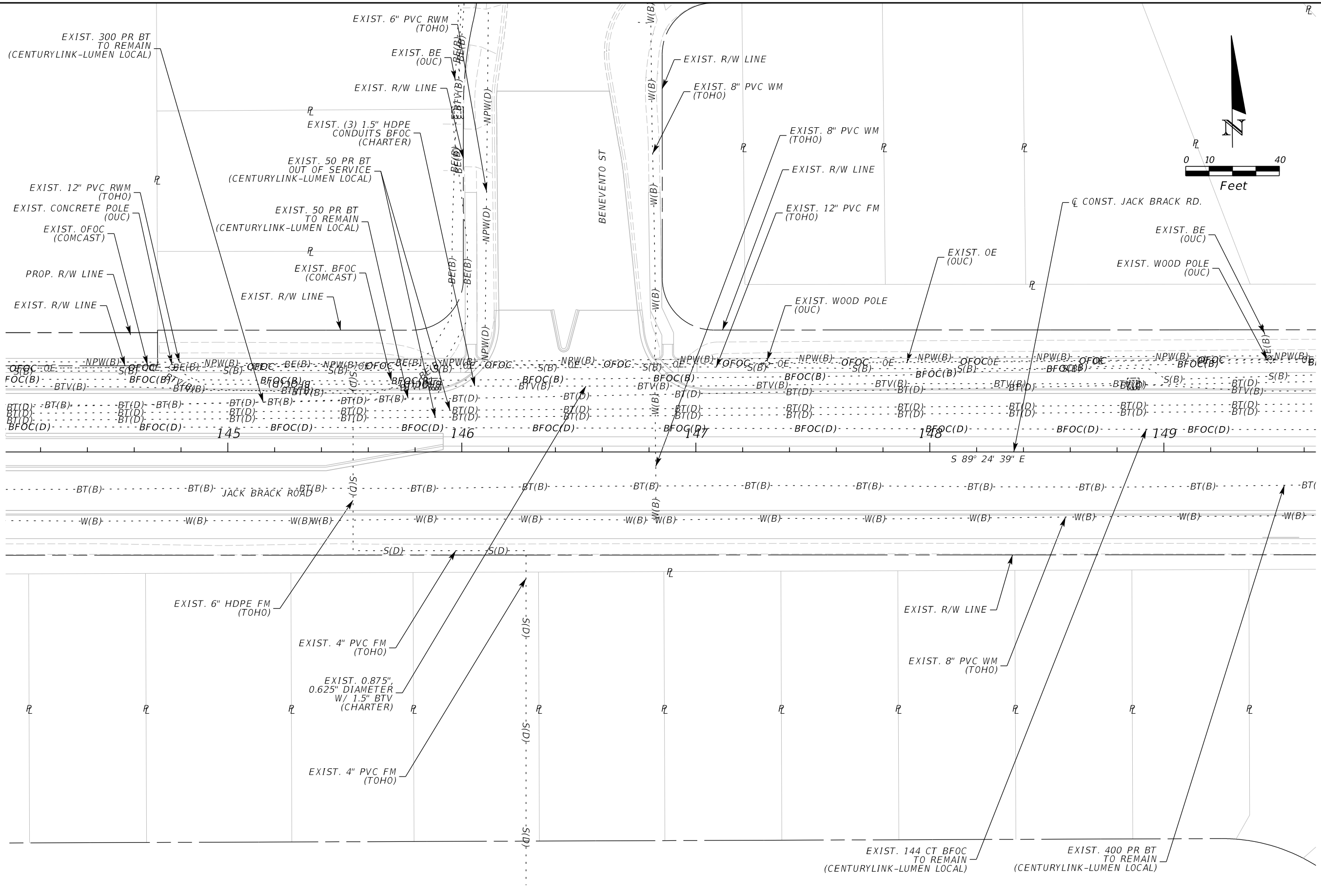
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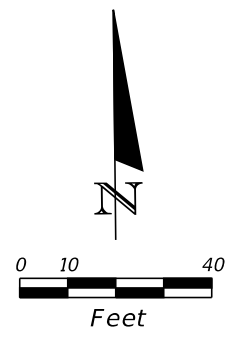
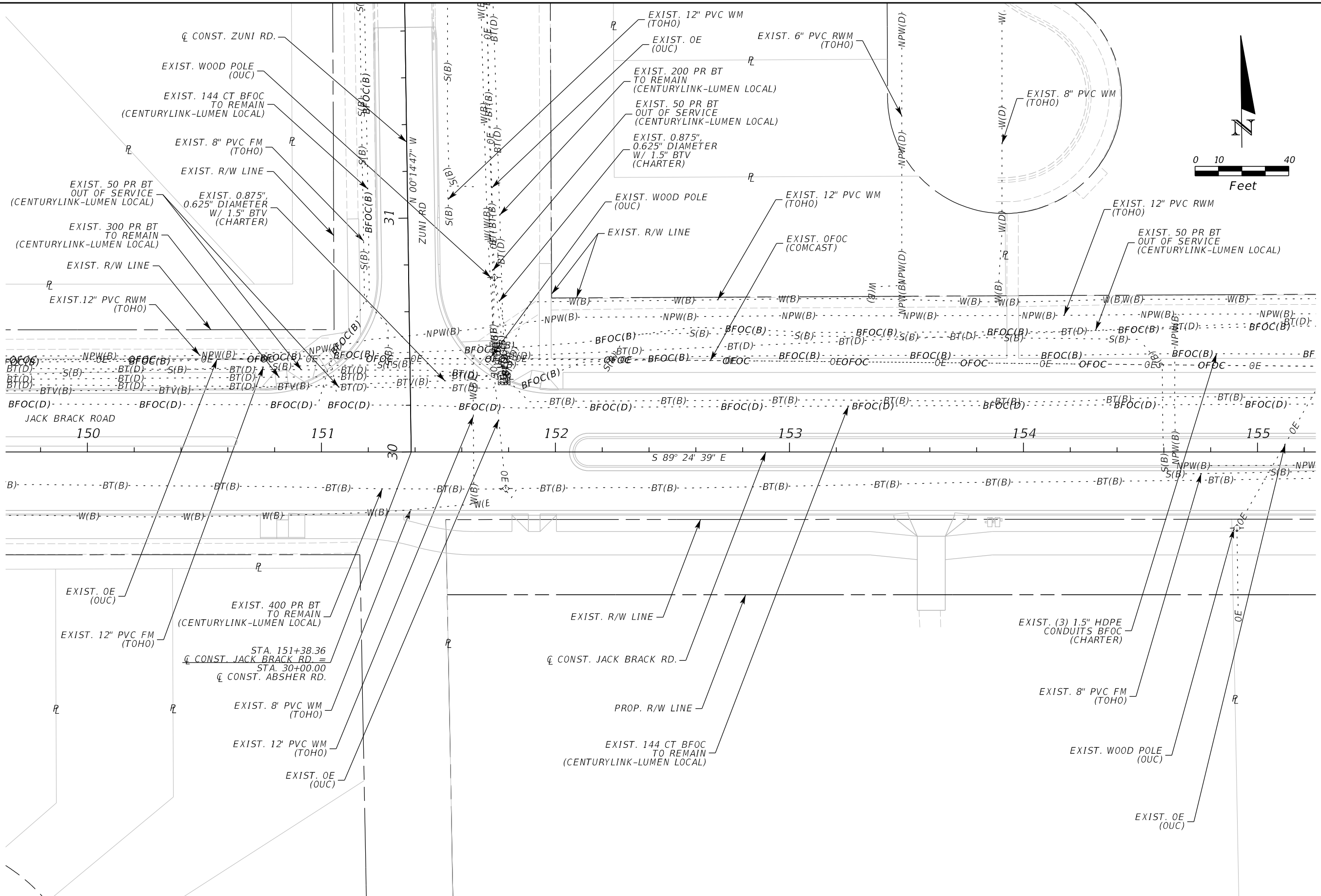
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UTILITY ADJUSTMENTS

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535



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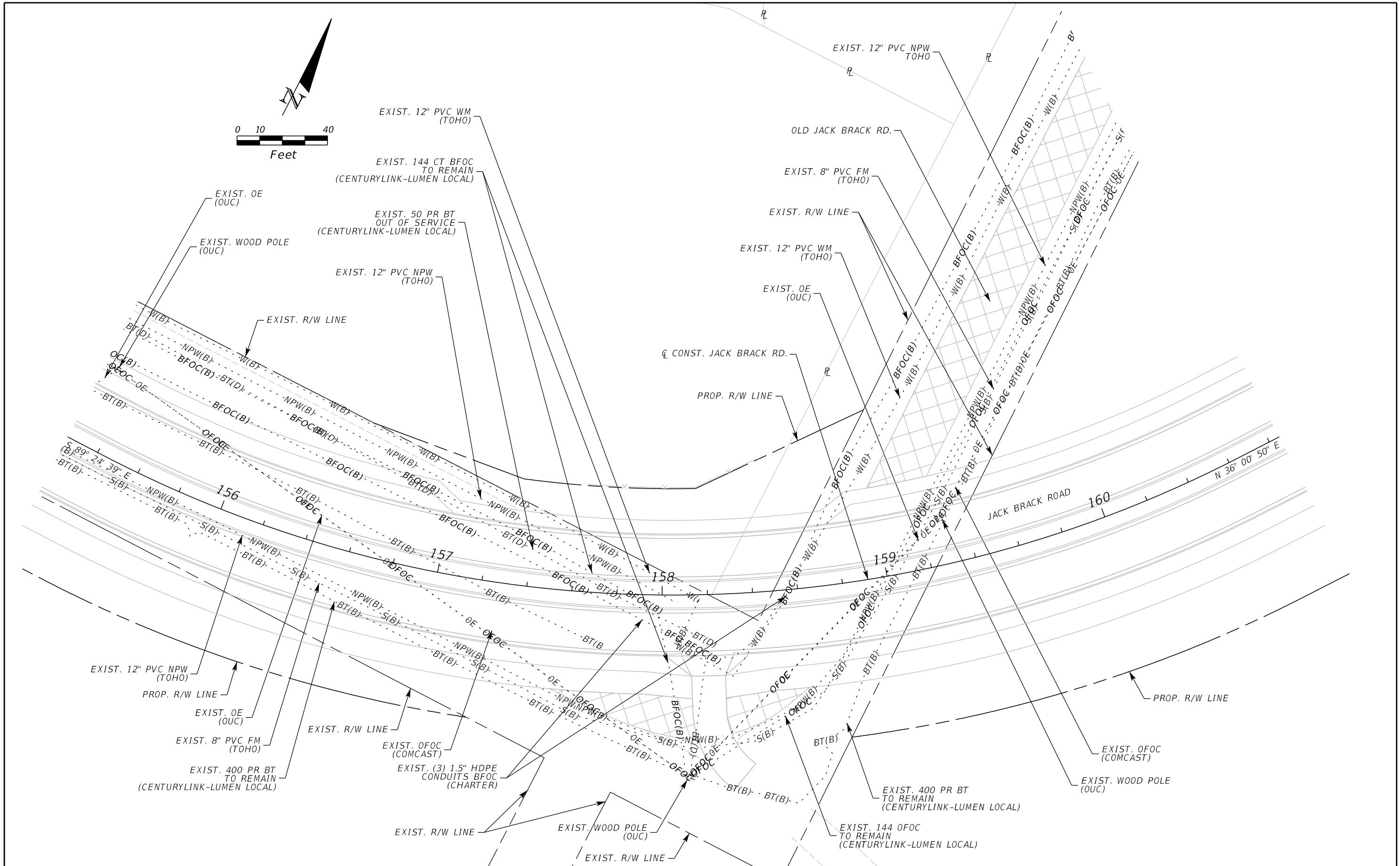
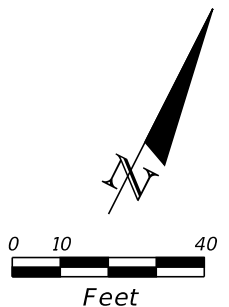
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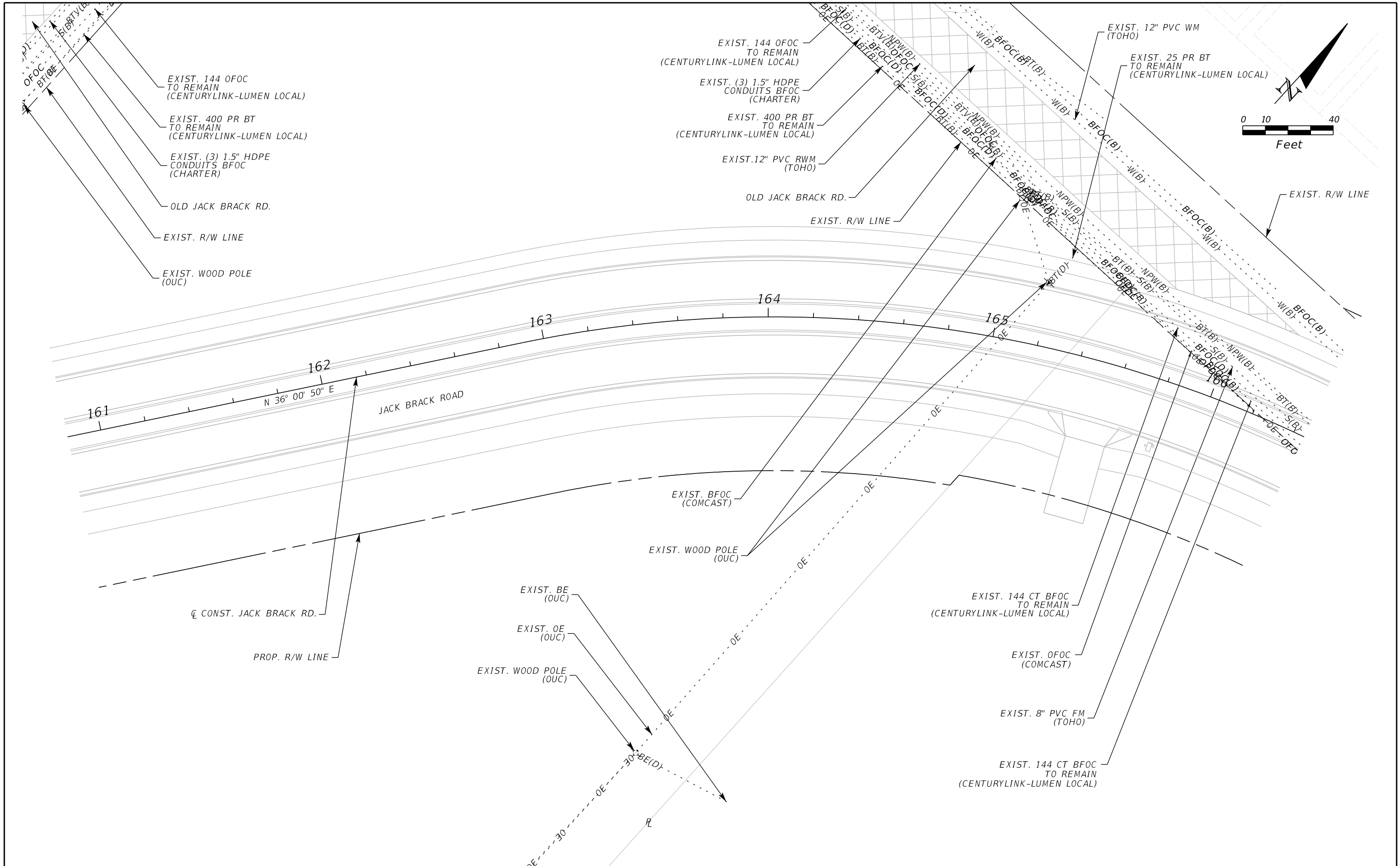


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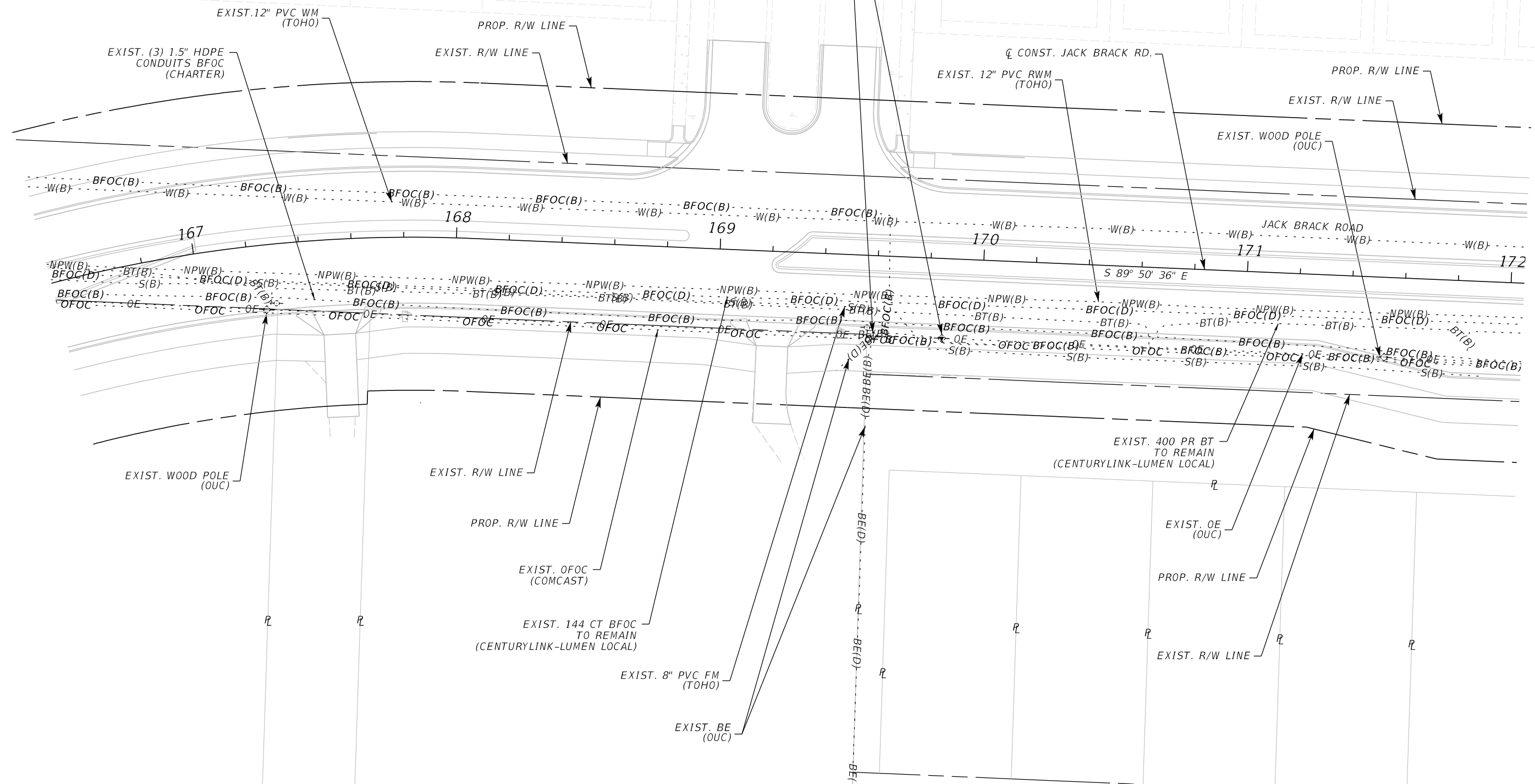
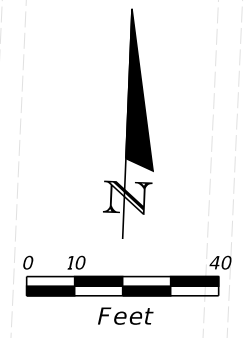
**OSCEOLA COUNTY
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UTILITY ADJUSTMENTS

SHEET NO.
538

BRACK RANCH DEVELOPMENT
PHASE 1

BRACK RANCH DEVELOPMENT
PHASE 1



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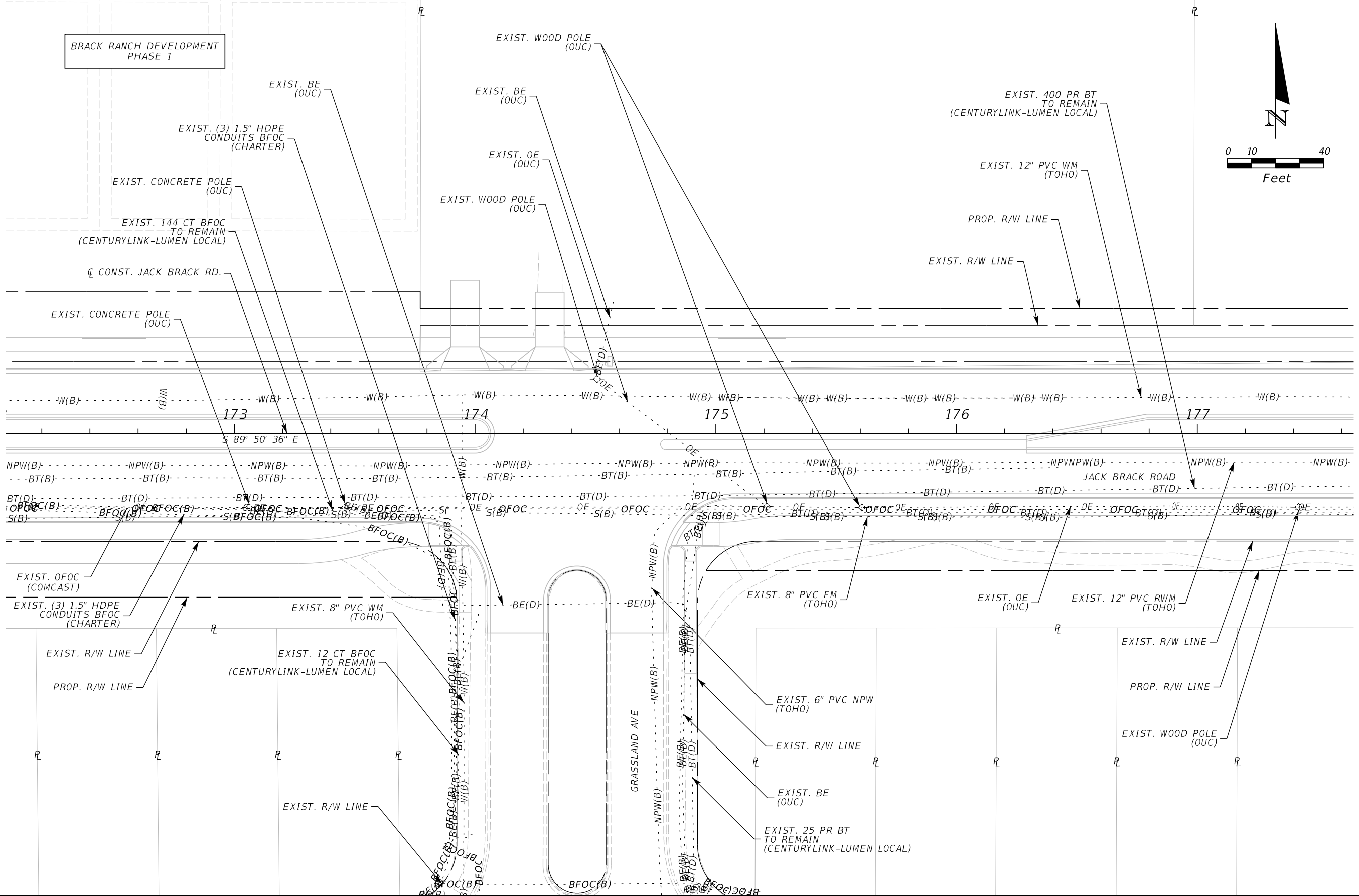
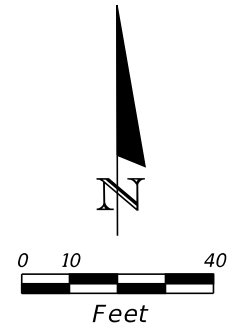
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BRACK RANCH DEVELOPMENT
PHASE 1



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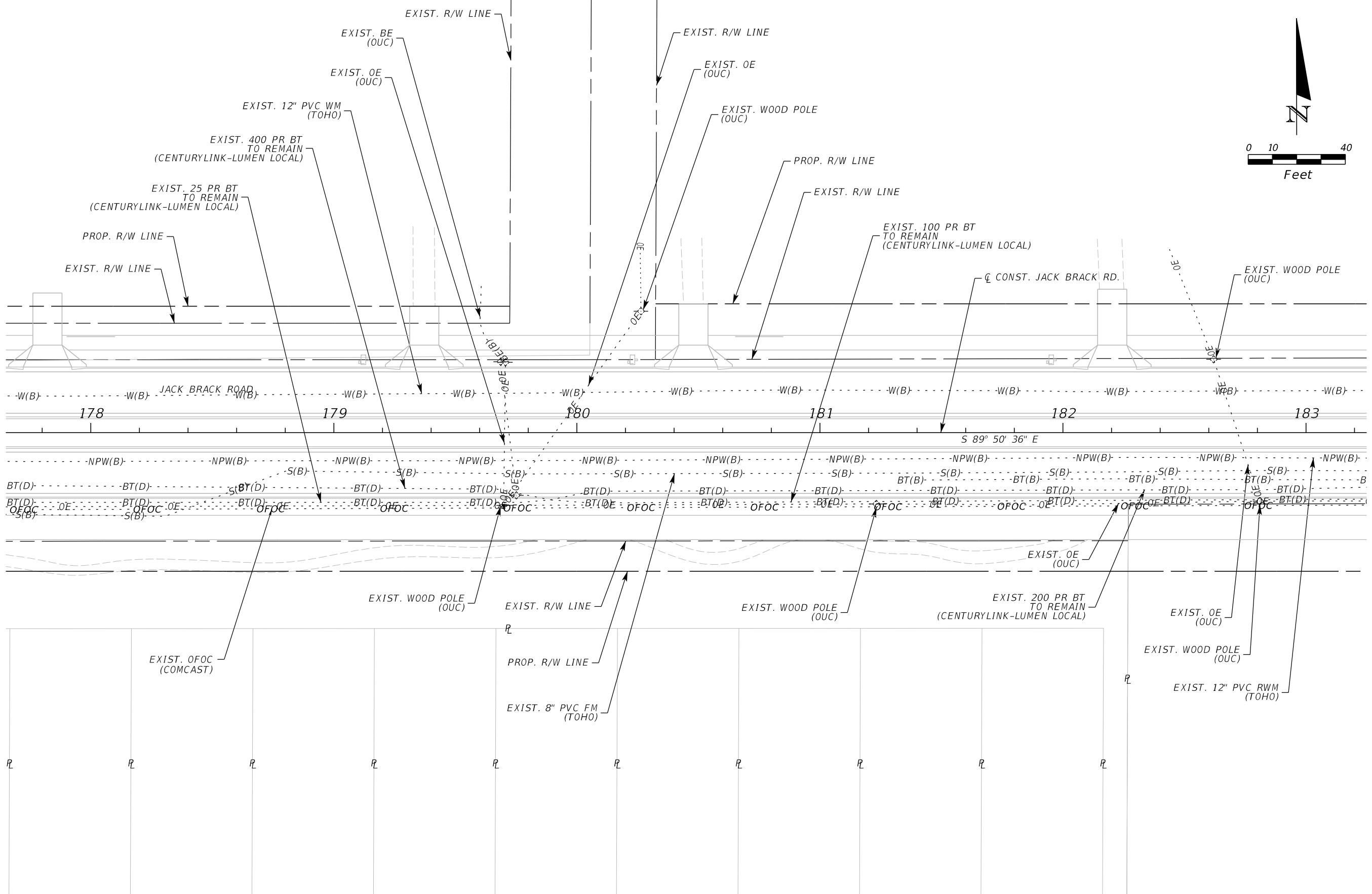
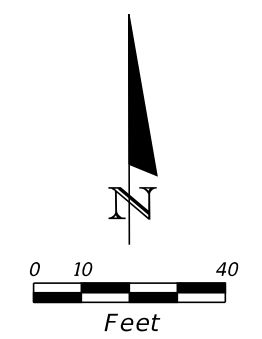
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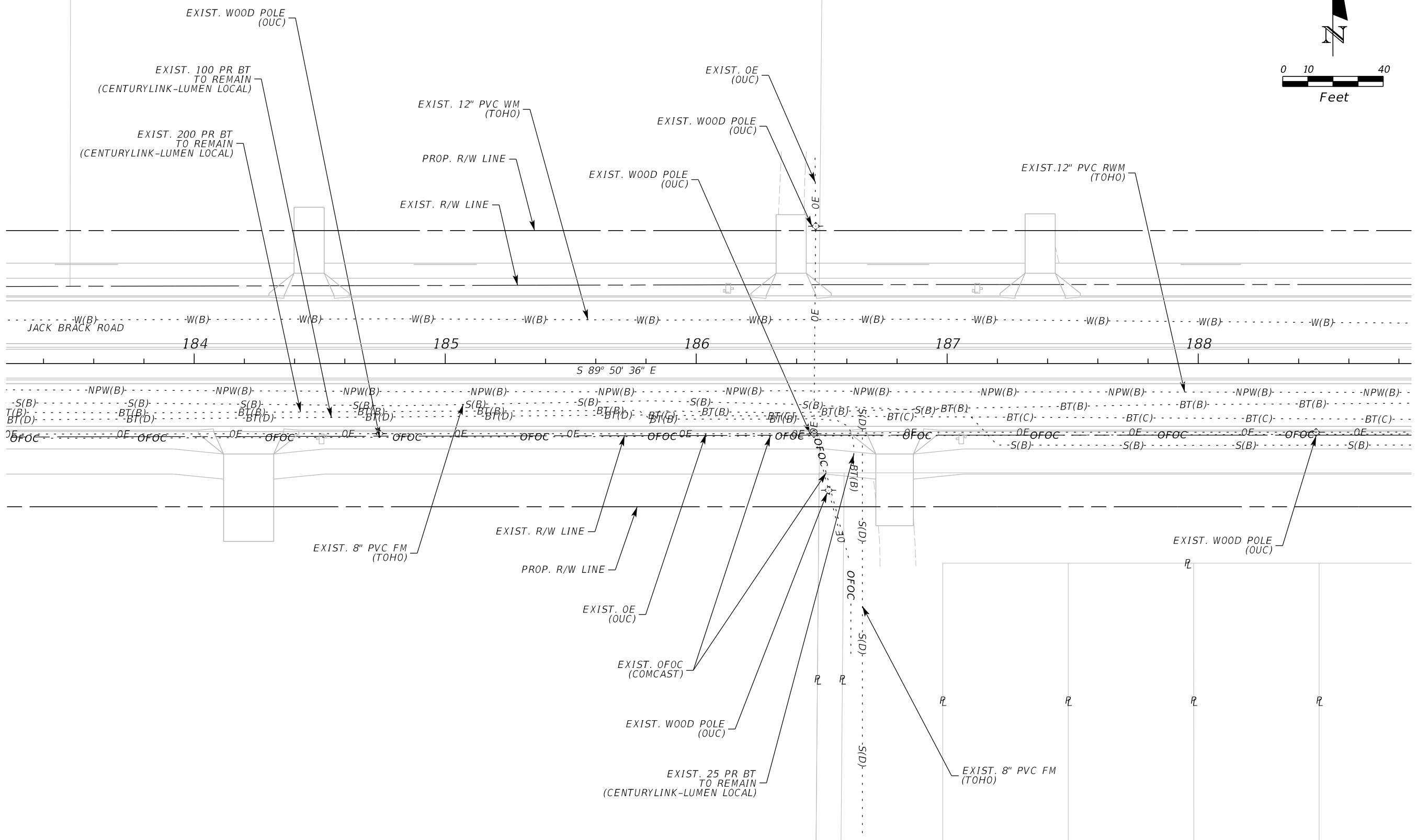
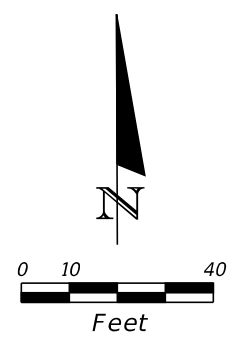
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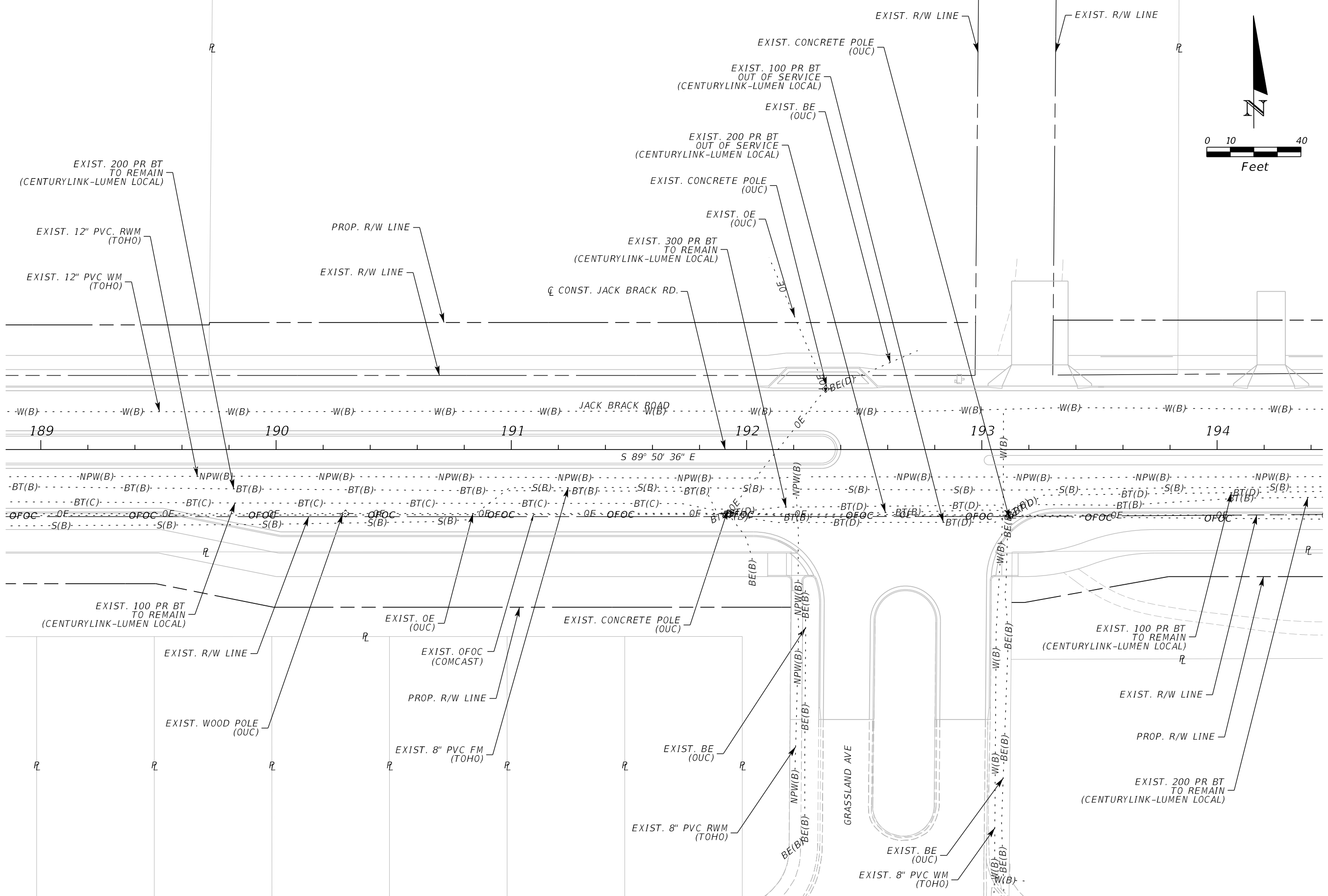
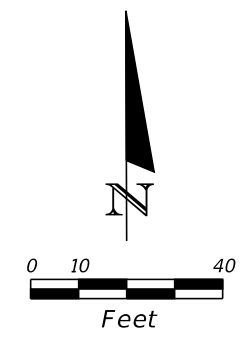
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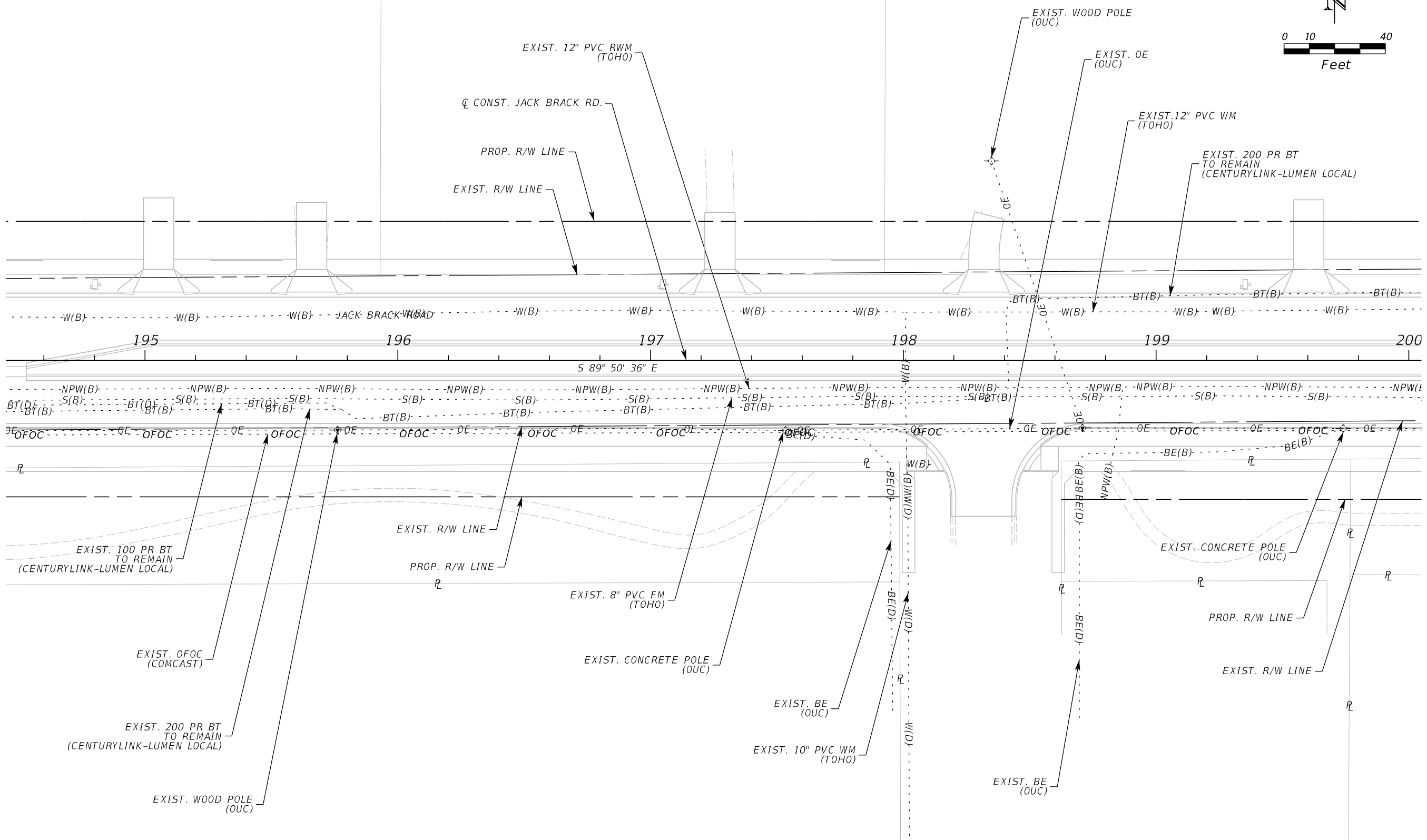
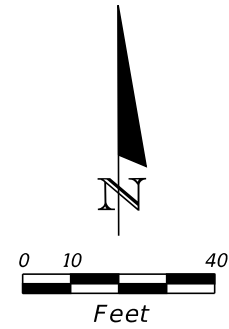
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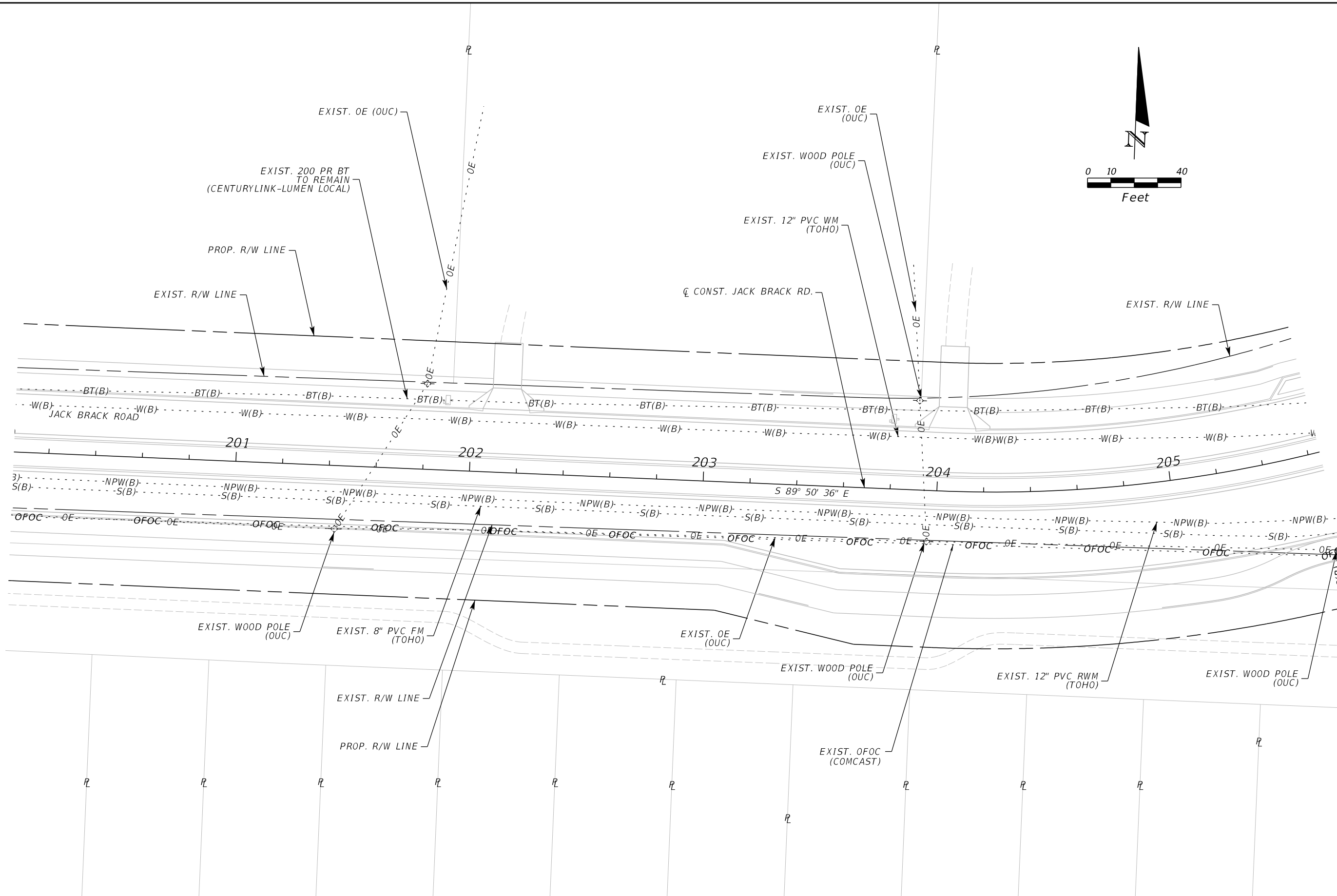
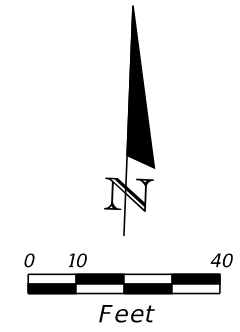
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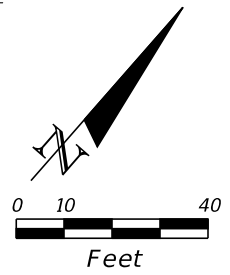
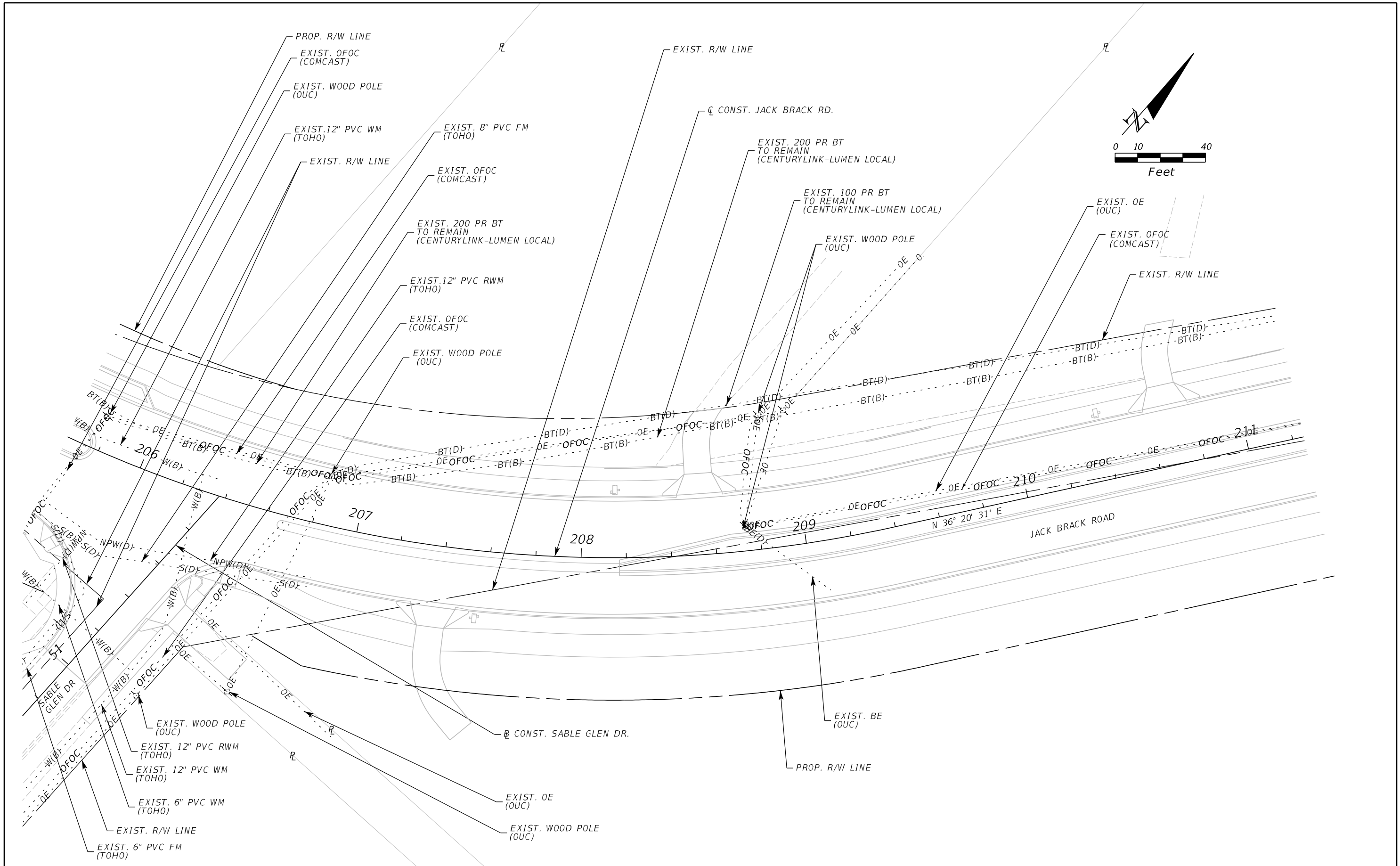


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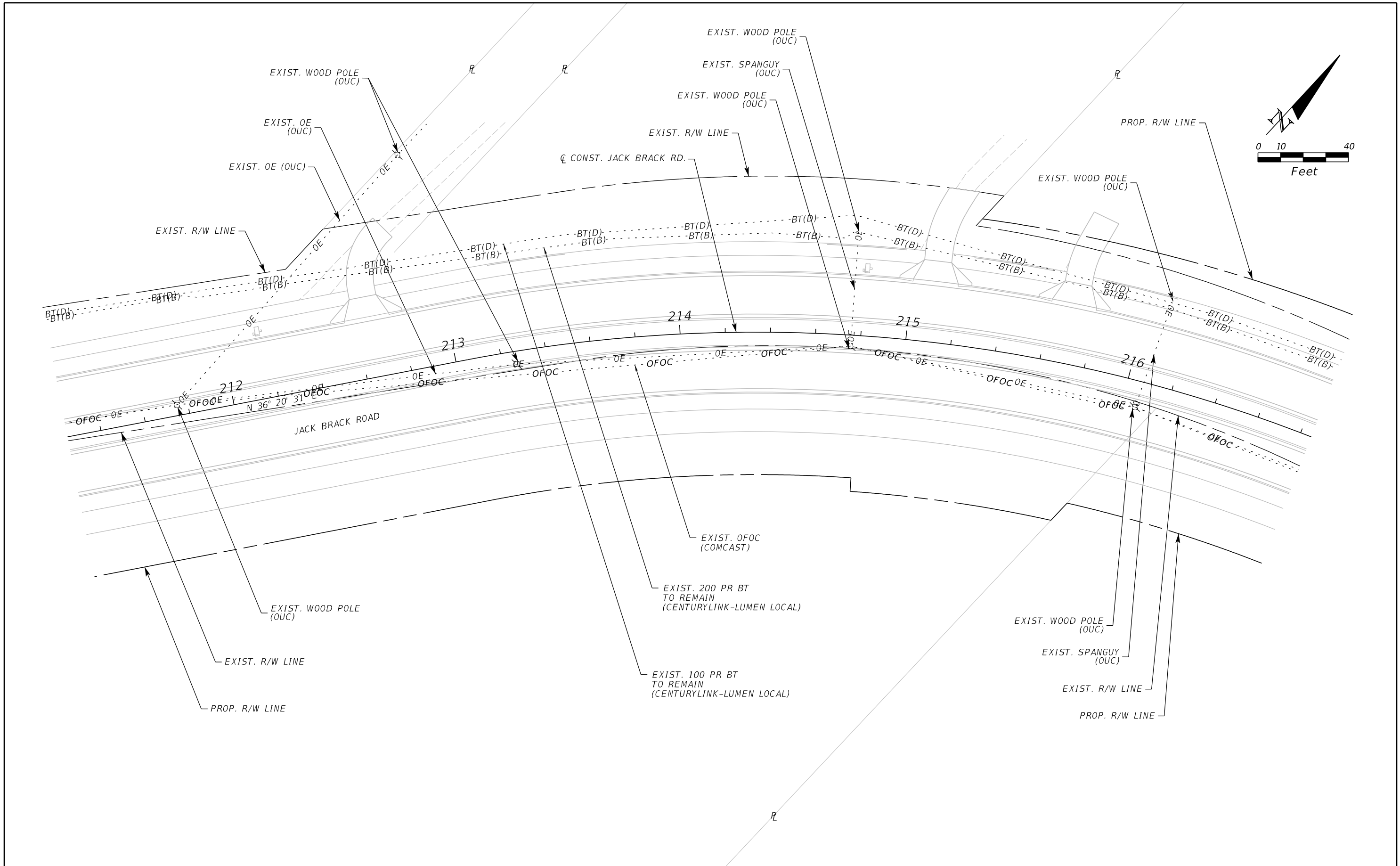


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UTILITY ADJUSTMENTS

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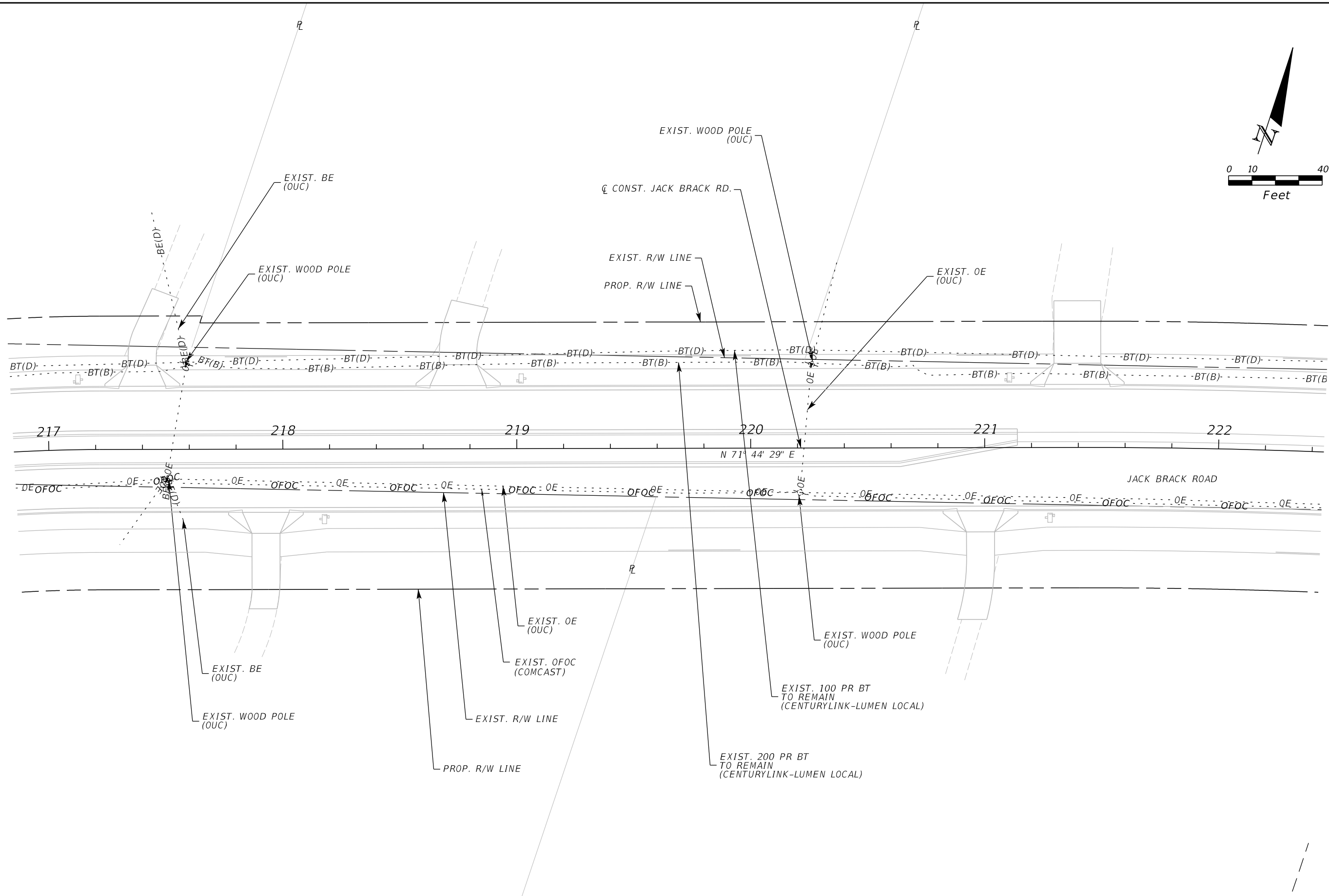
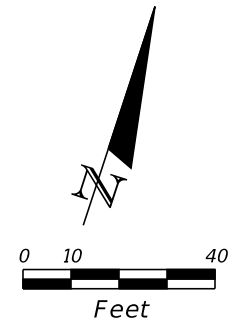
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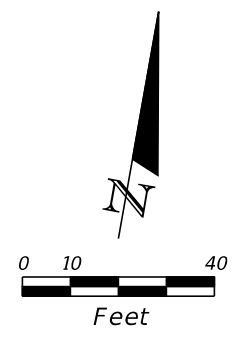
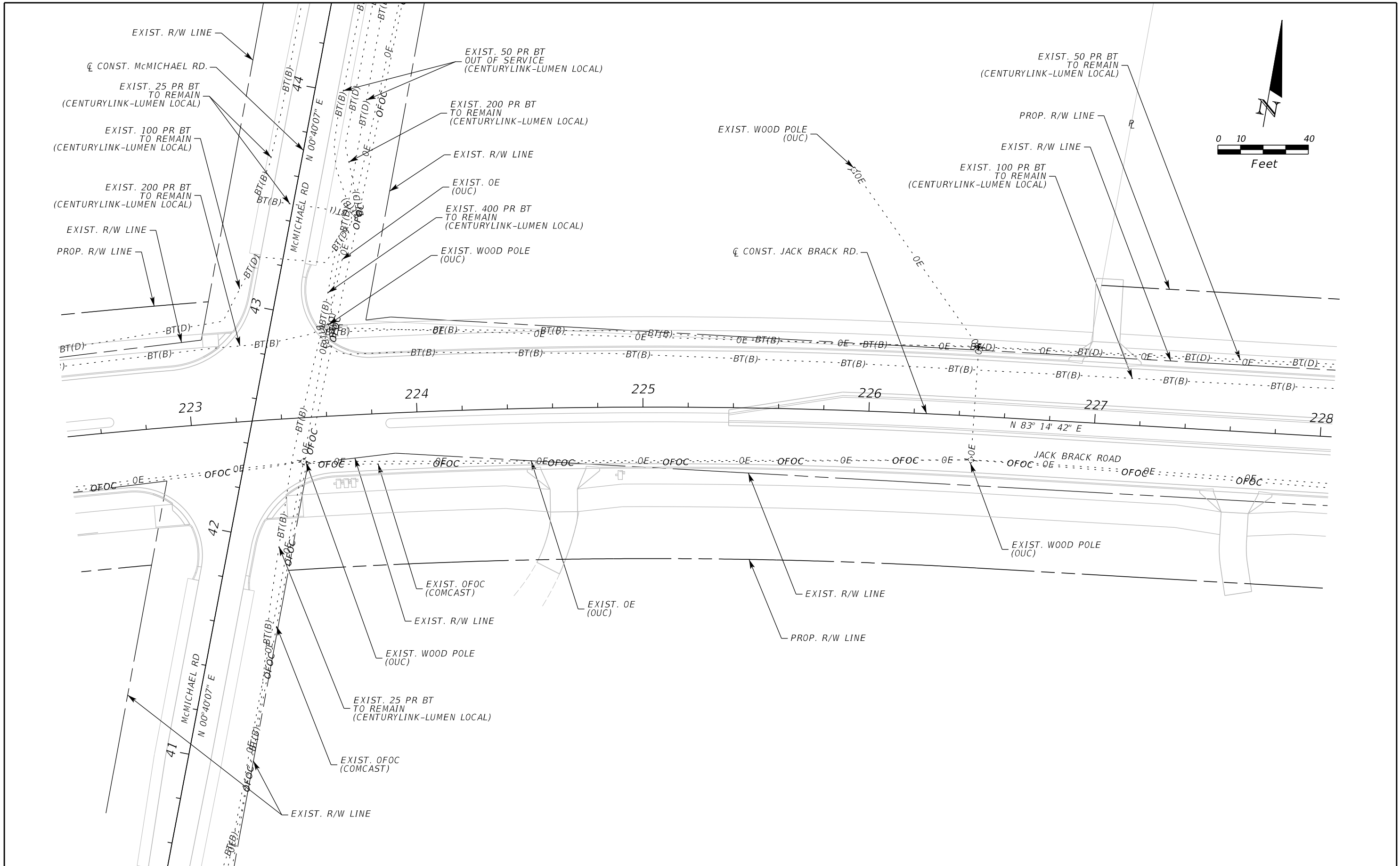


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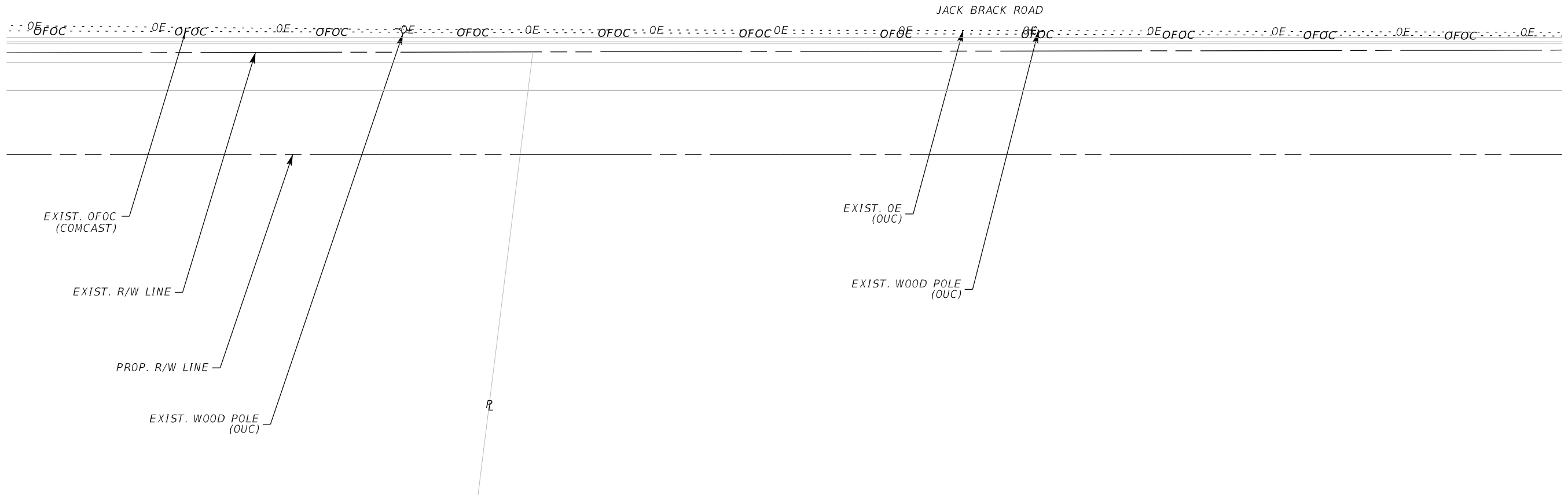
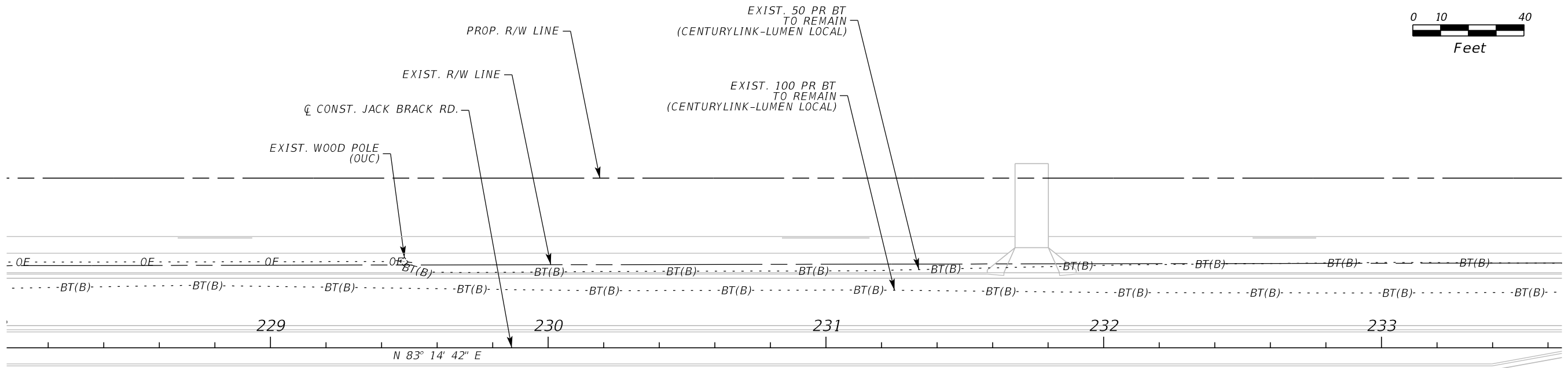
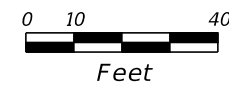


OSCEOLA COUNTY
 ENGINEERING DEPARTMENT
 1 Courthouse Square, Suite 1100
 Kissimmee, Florida 34741-5488
 Voice: (407) 343-2600 Fax (407) 343-2623

UTILITY ADJUSTMENTS

SHEET NO.
549

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REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
WIDENING**

ENGINEER OF RECORD
 Kevin Joseph Iannarone, PE
 PE No. 71527
 Inwood Consulting Engineers, Inc.
 3000 Dovera Drive, Suite 200
 Oviedo, Florida 32765

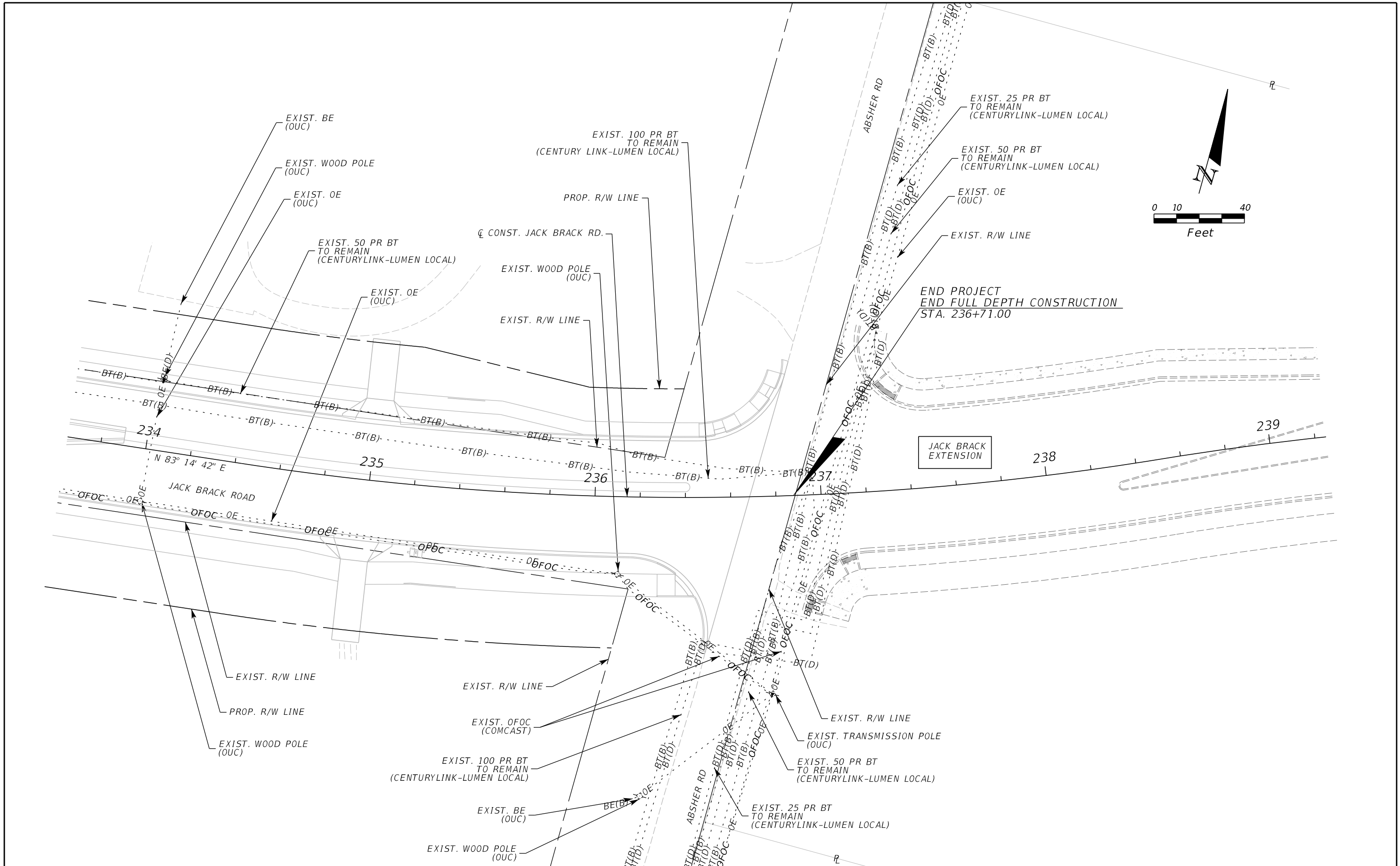


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551

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DATE OF SURVEY: MAY 2016, APRIL 2017
 NOVEMBER TO DECEMBER 2023 AND
 FEBRUARY TO MARCH 2024

SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.

SUBMITTED BY: CRAIG G. BALLOCK, P.E.

SOIL SURVEY FOR THE DESIGN OF ROADS AND PONDS

ROAD NO.: JACK BRACK
 COUNTY: OSCEOLA

PROJECT NAME: JACK BRACK ROAD WIDENING
 FROM NARCOOSSEE ROAD TO ABSHER ROAD

STATIONS REFERENCE CENTERLINE OF CONSTRUCTION
 BEGIN STA.: 100+00.00 END STA.: 246+49.98

STRATUM NO.	NO. OF TESTS	ORGANIC CONTENT	MOISTURE CONTENT	SIEVE ANALYSIS RESULTS							ATTERBERG LIMITS (%)				DESCRIPTION	CORROSION TEST RESULTS				
				NO. OF TESTS	NO. OF TESTS	PERCENT	PASS (%)	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT		PLASTIC INDEX	AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm
1	33	1.3-4.9	33	18-33	127	99-100	91-100	35-98	7-47	2-10	0	-	-	A-3	LIGHT BROWN TO DARK BROWN TO LIGHT GRAY TO GRAY FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL AND SHELL, TRACE TO FEW LIMEROCK	10	8,050-66,000	<15-30	<6-21	4.2-7.9
2	0	-	0	-	7	100	98-100	86-95	38-55	11-15	0	-	-	A-2-4	LIGHT BROWN TO DARK BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL	0	-	-	-	-
3	20	5.0-14	20	23-84	20	100	99-100	89-93	36-46	8-25	0	-	-	A-8	DARK BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK	0	-	-	-	-
4	0	-	0	-	0	-	-	-	-	-	0	-	-	-	LIGHT GRAY LIMEROCK	0	-	-	-	-
5	0	-	0	-	2	100	99	94-97	45-50	16-18	0	-	-	A-2-4	BROWN SILTY FINE SAND	0	-	-	-	-
6	0	-	0	-	0	-	-	-	-	-	0	-	-	A-3	BROWN TO DARK BROWN FINE SAND WITH SILT, SOME CEMENTED SAND (HARDPAN)	0	-	-	-	-

NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN ARTICLE 2-4 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE ARTICLE 120-3.
2. WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH GROUNDWATER SHOWN AS ▽.
3. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND POND AREAS.
4. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
5. STRATA 1, 2 AND 5 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001.
6. STRATA 2 AND 5 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL AT THE TIME OF CONSTRUCTION.
7. STRATUM 3 SHALL BE TREATED AS MUCK (M) IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 120-001 AND SHALL BE REMOVED IN ACCORDANCE WITH THE STANDARD PLANS INDEX 120-002 UNLESS INDICATED AS "TO REMAIN" ON THE PROJECT CROSS SECTIONS.
8. STRATA 4 AND 6 CAN BE TREATED AS SELECT (S) MATERIAL BUT MAY NEED TO BE PULVERIZED PRIOR TO USE AS FILL.
9. STRATA 4 AND 6 MAY BE DIFFICULT TO DEWATER AND/OR PENETRATE AND MAY REQUIRE SPECIAL EQUIPMENT AND/OR PROCEDURES TO FACILITATE EXCAVATION AND/OR PENETRATION.

REVISIONS		
DATE	BY	DESCRIPTION

**JACK BRACK ROAD
 WIDENING**



ROADWAY SOIL SURVEY

SHEET NO.
GR-1

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