



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
4400 PGA BOULEVARD, SUITE 500
PALM BEACH GARDENS, FLORIDA 33410

August 5, 2019

CESAJ-RD
North Permits Branch
Panama City Permits Section

PUBLIC NOTICE

Permit Application No. SAJ-2019-00938 (SP-MMT)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) as described below:

APPLICANT: Florida Department of Transportation, District 1
Ms. Nicole Monies
801 N. Broadway Avenue
Bartow, Florida 33830

WATERWAY AND LOCATION: The project would affect waters of the United States, including wetlands, associated with the Interstate 4 (I-4) corridor. The project site is located within the I-4 corridor at the State Road 557 (SR 557) Interchange. The Interchange improvements at SR 557 are from west to east along the I-4 corridor. This project includes converting the existing interchange to a diverging diamond interchange (DDI) as well as improvements along the I-4/SR 557 interchange to improve congestion within the area. The project is located in Sections 28, 29, 30, 31, 32, and 36, Township 26 South, Ranges 25 and 26 East, in Polk City, Polk County, Florida.

Directions to the site are as follows: From USACE Tampa office I-4 East to SR 557 in Polk City, Polk County, Florida.

APPROXIMATE CENTRAL COORDINATES: Latitude 28.182042°N
Longitude -81.743906°W

PROJECT PURPOSE:

Basic: Linear transportation

Overall: The overall project purpose is to improve traffic congestion at this interchange by converting the existing interchange into a Diverging Diamond Interchange (DDI) along the I-4 corridor in Polk County.

EXISTING CONDITIONS: The project site exists within the I-4 corridor at the SR 557 interchange. The entire project site is comprised of the I-4 Corridor at SR 557 to the

east and west (FPID 201215-3). The project site is 204 acres, the following is a breakdown of the land uses within the project corridor:

Wetlands and other surface waters within the project comprise 37% of the project site and are located throughout the site and they consist of ditches (510D), storm water management areas (534), mixed wetland hardwoods (617), and wetland coniferous forests (620).

Ditches and storm water management areas both support herbaceous vegetation consisting of soft rush (*Juncus effusus*), smartweed (*Persicaria punctata*), marsh pennywort (*Hydrocotyle umbellata*), curly dock (*Rumex crispus*), marsh bedstraw (*Galium triflorum*), and Bermuda grass.

Mixed hardwood wetlands are located throughout the site and comprise of. Vegetates that consists of the following laurel oak, sweetbay (*Magnolia virginiana*), red maple (*Acer rubrum*), American elm (*Ulmus americana*), sweetgum, and cabbage palm, with a mid-story and understory of Virginia chain fern (*Woodwardia virginica*), wax myrtle, sawgrass (*Cladium jamaicense*), sand cordgrass (*Spartina bakeri*), pickerelweed (*Pontederia cordata*), and royal fern (*Osmunda regalis*).

Wetland coniferous forests comprise the largest amount of wetlands in the project they are also located throughout the project site as well. Vegetation in these areas consists of slash pine, laurel oak, American elm, red maple, cabbage palm, pond cypress (*Taxodium ascendens*), sweetgum, and red bay (*Persea borbonia*).

PROPOSED WORK: The Florida Department of Transportation (FDOT) District 1 proposes improvements to modify the interchange at I-4 and SR 557 in Polk City, Polk County, Florida. The project entails replacing the existing partial clover-leaf interchange with a diverging diamond interchange, and additional I-4 improvements located directly east and west of SR 557 within Segments 5 and 6, in order to accommodate the I-4 Master Plan improvements. The project also proposes construction of a wildlife crossing at the eastern terminus of the project. The total project area is approximately 204 acres, and requires dredging/filling of 63.39 acres of wetlands and 0.17 acre of other surface waters (OSW). Secondary wetland impacts have also been assessed for 14.02 acres of abutting wetlands. The subject improvements would increase safety for both vehicles (general public) and wildlife.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment: The use of silt screens and other turbidity prevention measures during construction will minimize impacts to adjacent wetlands and other surface waters.

COMPENSATORY MITIGATION – The applicant has offered the following compensatory mitigation plan to offset unavoidable functional loss and wetland impacts they will be compensated through credits purchased through 5 Mitigation Banks as follows: Boarshead Ranch MB; Crooked Creek MB; Green Swamp MB; Hilochee MB;

Withlacoochee MB. A credit reservation letter from all five Mitigation Banks will be provided prior to permit issuance.

CULTURAL RESOURCES: The Corps is not aware of historic property/properties within, or in close proximity to, the permit area. The Corps will initiate consultation with the State Historic Preservation Office and those federally recognized tribes with concerns in Florida and the Permit Area, and the Advisory Council on Historic Preservation, as applicable, pursuant to 33 CFR 325, Appendix C and Section 106 of the National Historic Preservation Act, by separate letter.

ENDANGERED SPECIES: As the lead agency with delegated NEPA authority, FDOT has assessed the project site for Federally listed species using the FWS Information for Planning and Consultation (IPaC) web site, plus information provided by the applicant, and all available Problematic KEYS for protected species for purposes of compliance with Section 7 of the ESA of 1973 (as amended).

FDOT has determined that the proposed project may affect, but is not likely to adversely affect, the Eastern indigo snake (*Drymarchon corais couperi*), American wood stork (*Mycteria americana*), blue-tail mole skink (*Eumeces egregius lividus*), and sand skink (*Neoseps reynoldsi*). The Corps agrees with the lead agency's (FDOT) initial findings within the informal consultation with the U.S. Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act consultation.

FDOT has also determined that the proposed project would have "no effect" on the Everglade snail kite (*Rostrhamus sociabilis plumbeus*), Audubon's crested caracara (*Polyborus plancus audubonii*), Florida grasshopper sparrow (*Ammodramus savannarum floridanus*), and Florida scrub-jay (*Aphelocoma coerulescens*).

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. The site does not contain EFH and the Corps' initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the South Atlantic Region. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens,

Florida 33410 or to the email address of the Project Manager noted below, within 30 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, Mr. Mark M. Tamblyn, in writing at the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410, by electronic mail at Mark.m.Tamblyn@usace.army.mil by facsimile transmission at (561) 626-6970, or by telephone at (561) 472-3519.

IMPACT ON NATURAL RESOURCES: Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered, including cumulative impacts thereof, among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The US Army Corps of Engineers (Corps) is soliciting comments from the public, Federal, State, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above.

Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LIGHTING PLANS
STRUCTURES PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	SIGNATURE SHEET
2 - 6	DRAINAGE MAP
7	EXISTING DRAINAGE STRUCTURES
8	SUMMARY OF FLOOD DATA
9 - 17	TYPICAL SECTIONS
18 - 19	TYPICAL SECTION DETAILS
20 - 37	SUMMARY OF DRAINAGE STRUCTURES
38 - 40	PROJECT LAYOUT (NOT INCLUDED)
41 - 43	REFERENCE POINTS (NOT INCLUDED)
44	GENERAL NOTES
45 - 67	ROADWAY PLANS
68 - 104	ROADWAY PROFILES
105 - 108	RAMP TERMINAL DETAILS (NOT INCLUDED)
109 - 110	INTERSECTION DETAILS (NOT INCLUDED)
111 - 189	DRAINAGE STRUCTURES
190 - 193	POND DETAILS
194	DRAINAGE DETAILS SHEET
195 - 233	POND CROSS SECTIONS
234	ROADWAY SOIL SURVEY
235	SOIL BORINGS GENERAL NOTES
236 - 240	ROADWAY SOIL BORINGS
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244 - 261	ROADWAY SPT BORINGS
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493 - 504	TEMPORARY TRAFFIC CONTROL PLANS (NOT INCLUDED)
505 - 527	UTILITY ADJUSTMENT SHEETS (NOT INCLUDED)
528	SUMMARY OF VERIFIED UTILITIES (NOT INCLUDED)
ENV-1 - ENV-25	ENVIRONMENTAL CONSIDERATION SHEETS

BEGIN PROJECT
STA. 1618+00.00
B SURVEY I-4 (SR 400)
Q CONST. ULT. I-4 (SR 400)
MP 21.677

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2019-20 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, January 2019 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

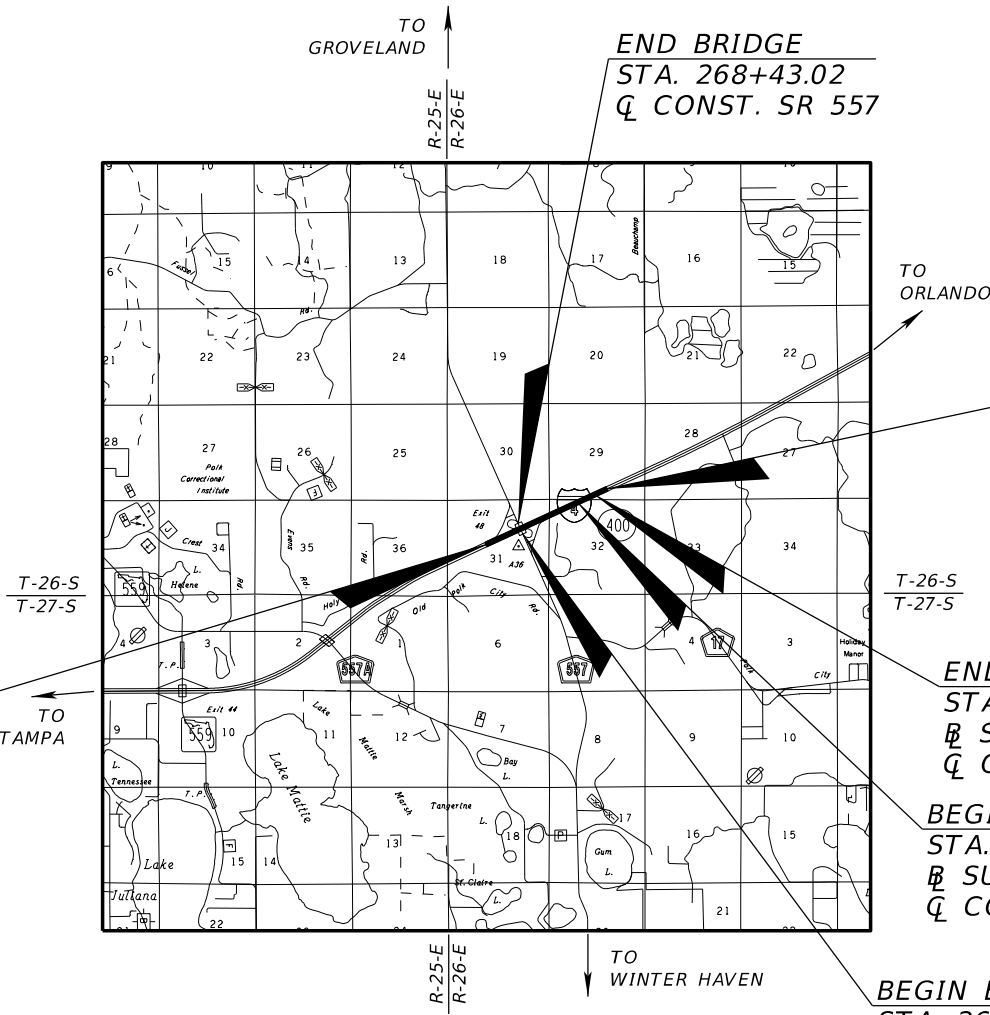
CONTRACT PLANS

FINANCIAL PROJECT ID 201215-3-52-01

(FEDERAL FUNDS)

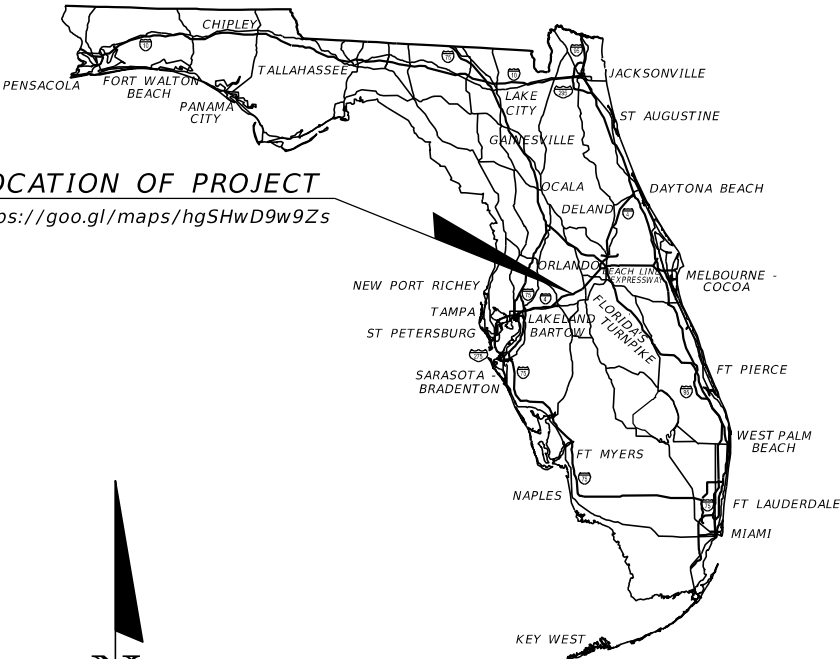
POLK COUNTY (16320)

STATE ROAD NO. 400 AT STATE ROAD NO. 557



LOCATION OF PROJECT

<https://goo.gl/maps/hgSHwD9w9Zs>



END PROJECT
STA. 1702+00.00
B SURVEY I-4 (SR 400)
Q CONST. ULT. I-4 (SR 400)
MP 23.268

END BRIDGE
STA. 1691+87.24
B SURVEY I-4 (SR 400)
Q CONST. ULT. I-4 (SR 400)

BEGIN BRIDGE
STA. 1690+95.24
B SURVEY I-4 (SR 400)
Q CONST. ULT. I-4 (SR 400)

BEGIN BRIDGE
STA. 264+95.52
Q CONST. SR 557

ROADWAY PLANS

ENGINEER OF RECORD:

DANIEL F. CHRISTIE, P.E.
P.E. NO.: 64849
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE
SUITE 1000
ORLANDO, FLORIDA 32803
407-843-5120
CERTIFICATE OF AUTHORIZATION NO. 8794
VENDOR NUMBER F130746510001
CONTRACT NO. C9J06

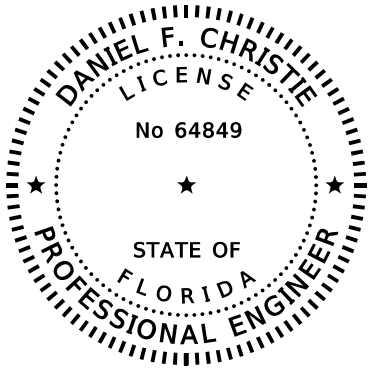
PERMIT PLANS

MARCH 2019

FDOT PROJECT MANAGER:

DOUGLAS BURKHART, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	20	1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

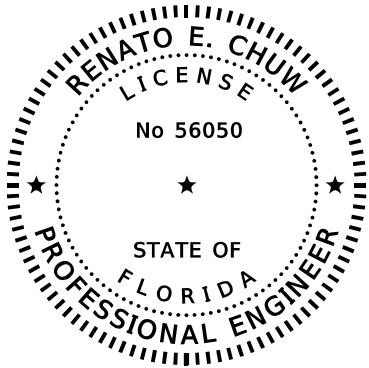
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ON ANY ELECTRONIC COPIES.

DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE, SUITE 1000
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION NO. 8794
DANIEL F. CHRISTIE, P.E. NO. 64849

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

ROADWAY PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
1A	SIGNATURE SHEET
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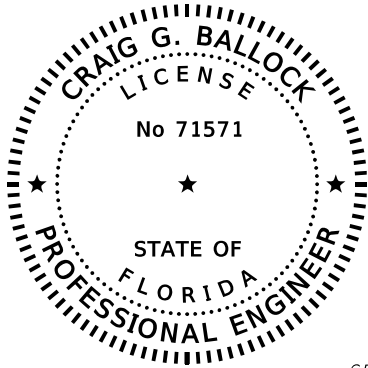
PRINTED COPIES OF THIS DOCUMENT ARE
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INWOOD CONSULTING ENGINEERS
3000 DOVERA DRIVE, SUITE 200
OVIEDO, FLORIDA 32765
CERTIFICATE OF AUTHORIZATION NO. 7074
RENATO E. CHUW, P.E. NO. 56050

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

ROADWAY PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1A	SIGNATURE SHEET
2 - 6	DRAINAGE MAP
7	EXISTING DRAINAGE STRUCTURES
8	SUMMARY OF FLOOD DATA
20 - 37	SUMMARY OF DRAINAGE STRUCTURES
111 - 189	DRAINAGE STRUCTURES
190 - 193	POND DETAILS
194	DRAINAGE DETAILS SHEET
195 - 233	POND CROSS SECTIONS
491 - 492	STORMWATER POLLUTION PREVENTION PLANS



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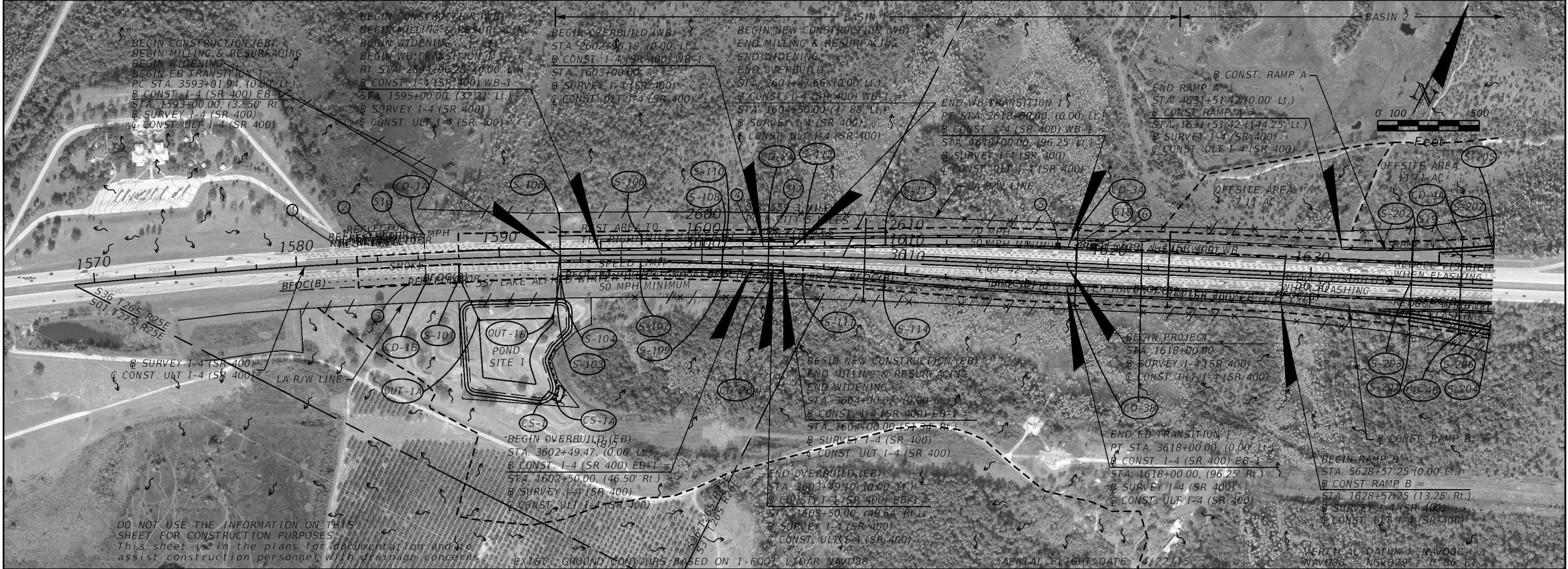
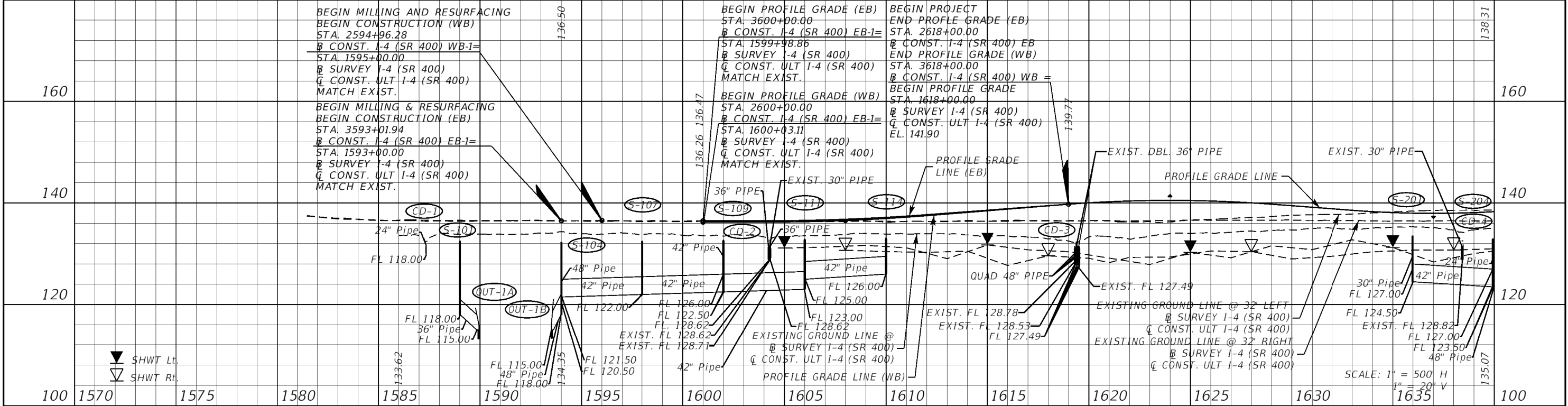
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS INC.
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
CERTIFICATE OF AUTHORIZATION NO. 00005882
CRAIG G. BALLOCK, P.E. NO. 71571

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FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

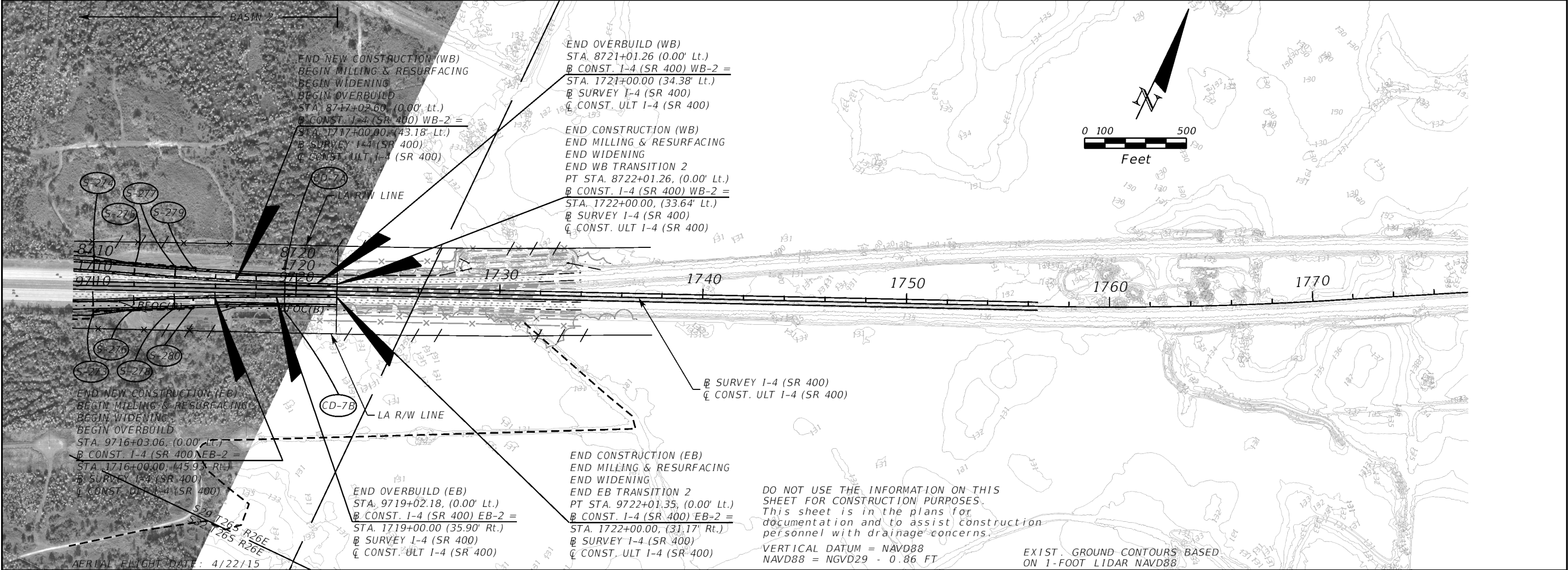
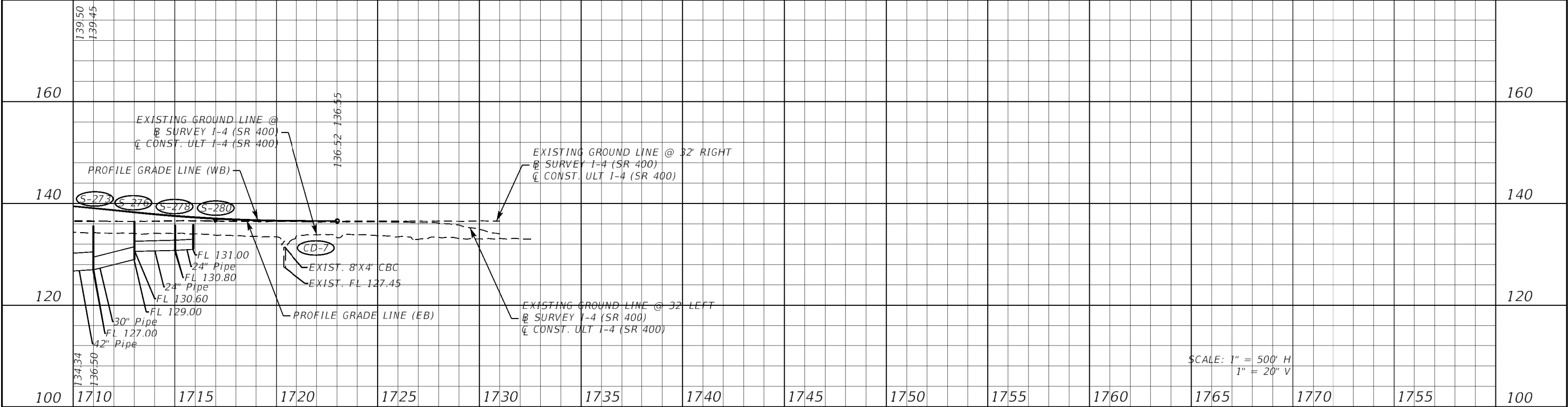
<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1A	SIGNATURE SHEET
234	ROADWAY SOIL SURVEY
235	SOIL BORINGS GENERAL NOTES
236 - 240	ROADWAY SOIL BORINGS
241 - 242	POND SOIL BORINGS
243	SPT BORINGS GENERAL NOTES
244 - 261	ROADWAY SPT BORINGS

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		1A



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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CONTRIBUTING AREAS			
S-101 = 1.06 AC	S-217 = N/A	S-247 = 0.21 AC	S-277 = 0.24 AC
S-102 = NOT USED	S-218 = 0.06 AC	S-248 = 0.22 AC	S-278 = 0.23 AC
S-103 = 2.80 AC	S-219 = 1.68 AC	S-249 = 0.19 AC	S-279 = 0.12 AC
S-104 = 1.72 AC	S-220 = 0.12 AC	S-250 = 0.22 AC	S-280 = 0.12 AC
S-105 = 1.73 AC	S-221 = 2.02 AC	S-251 = 0.22 AC	S-301 = 0.51 AC
S-106 = 0.77 AC	S-222 = 2.77 AC	S-252 = 0.19 AC	S-302 = 0.29 AC
S-107 = 0.77 AC	S-223 = 0.97 AC	S-253 = 0.20 AC	S-303 = 0.37 AC
S-108 = 0.78 AC	S-224 = 2.31 AC	S-254 = 0.21 AC	S-304 = 0.60 AC
S-109 = 0.77 AC	S-225 = 1.89 AC	S-255 = N/A	S-305 = 0.27 AC
S-110 = 7.73 AC	S-226 = 1.89 AC	S-256 = 0.14 AC	S-306 = 1.03 AC
S-111 = 0.79 AC	S-227 = 1.65 AC	S-257 = 0.14 AC	S-307 = 1.30 AC
S-112 = 0.76 AC	S-228 = 0.77 AC	S-258 = 0.14 AC	S-308 = N/A
S-113 = 2.76 AC	S-229 = 0.88 AC	S-259 = 0.14 AC	S-309 = 0.29 AC
S-114 = 2.71 AC	S-230 = 6.49 AC	S-260 = 0.08 AC	S-310 = 0.35 AC
S-201 = 2.60 AC	S-231 = 0.68 AC	S-261 = N/A	S-311 = 0.21 AC
S-202 = 2.65 AC	S-232 = 0.56 AC	S-262 = 0.05 AC	S-312 = 0.29 AC
S-203 = 12.96 AC	S-233 = 1.16 AC	S-263 = 0.14 AC	S-313 = 0.24 AC
S-204 = 1.05 AC	S-234 = 1.02 AC	S-264 = 0.08 AC	S-314 = 0.23 AC
S-205 = 1.21 AC	S-235 = 0.48 AC	S-265 = 0.32 AC	S-315 = 0.24 AC
S-206 = 2.08 AC	S-236 = 0.88 AC	S-266 = 0.47 AC	S-316 = 0.24 AC
S-207 = 1.45 AC	S-237 = 0.56 AC	S-267 = 0.79 AC	S-317 = 0.26 AC
S-208 = N/A	S-238 = 0.79 AC	S-268 = 0.79 AC	S-318 = 0.13 AC
S-209 = 1.03 AC	S-239 = 0.07 AC	S-269 = 0.79 AC	S-319 = 0.21 AC
S-210 = 0.53 AC	S-240 = 0.22 AC	S-270 = 0.79 AC	S-320 = 0.34 AC
S-211 = 4.05 AC	S-241 = 0.22 AC	S-271 = 0.79 AC	S-321 = 0.38 AC
S-212 = 1.54 AC	S-242 = 0.06 AC	S-272 = 0.79 AC	S-322 = N/A
S-213 = 0.38 AC	S-243 = 0.22 AC	S-273 = 0.39 AC	S-323 = 1.35 AC
S-214 = 0.15 AC	S-244 = 0.22 AC	S-274 = 0.40 AC	S-324 = 1.31 AC
S-215 = 0.18 AC	S-245 = 0.22 AC	S-275 = 0.24 AC	S-325 = 0.05 AC
S-216 = 0.18 AC	S-246 = 0.22 AC	S-276 = 0.24 AC	

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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									6

①	W MES N INV. 132.13 - 18" HDPE S INV. 132.08 - 18" HDPE	①6	NE CURB INLET TOP OF INLET = 143.71 SW INV. 136.38 - 18" RCP	②8	CATCH BASIN TOP OF INLET = 134.93 E INV. 130.70 - 18" CMP	⑤16	N ENDWALL S INV. 128.20 - 24" RCP CATCH BASIN TOP OF INLET = 132.55 N INV. 129.59 - 24" RCP S INV. 129.73 - 24" RCP S ENDWALL N INV. 129.68 - 24" RCP
②	N MES W INV. 129.95 - 18" HDPE E INV. 130.00 - 18" HDPE	①7	SW CURB INLET TOP OF INLET = 147.00 SW CONCRETE SWALE TOP EL. 146.01	②9	STORM MANHOLE TOP OF MH = 135.19 NE INV. 130.83 - 18" HDPE SW INV. 130.97 - 18" HDPE SE INV. 130.76 - 18" RCP	⑤17	N ENDWALL S INV. 127.61 - 30" RCP CATCH BASIN TOP OF INLET = 132.35 N INV. 128.62 - 30" RCP S INV. 128.71 - 30" RCP S ENDWALL N INV. 128.25 - 30" RCP
③	NE ENDWALL SW INV. 129.97 - 18" RCP	①8	SW CONCRETE SWALE TOP EL. 136.98	③0	CATCH BASIN TOP OF INLET = 135.17 NE INV. 131.04 - 18" HDPE SW INV. 131.05 - 18" HDPE	⑤18	N ENDWALL - DBL. 36" RCP NW INV. 127.67 NE INV. 127.69 CATCH BASIN TOP OF INLET = 132.20 N INV. 128.78 - 36" RCP S INV. 128.53 - 36" RCP S ENDWALL - DBL 36" RCP SW INV. 127.21 SE INV. 127.29
④	DITCH BLOCK EL. 132.73	①9	NW U-TYPE ENDWALL SE INV. 131.21 - 18" RCP SE U-TYPE ENDWALL NW INV. 130.51 - 18" RCP	③1	NE ENDWALL SW INV. 130.52 - 15" RCP CATCH BASIN TOP OF INLET = 133.30 NE INV. 130.74 - 15" RCP SW INV. 130.84 - 15" RCP SLOT EL. 130.84	⑤19	N ENDWALL S INV. 128.09 - 30" RCP CATCH BASIN TOP OF INLET = 132.54 N INV. 128.82 - 30" RCP S INV. 128.82 - 30" RCP S ENDWALL N INV. 128.42 - 30" RCP
⑤	DITCH BLOCK EL. 132.48	②0	S ENDWALL N INV. 131.49 - 18" RCP CATCH BASIN TOP OF INLET = 136.00 S INV. 132.04 - 18" RCP	③2	CATCH BASIN TOP OF INLET = 134.77 SW INV. 130.22 - 18" HDPE	⑤19A	N ENDWALL S INV. 128.15 - 18" RCP CATCH BASIN TOP OF INLET = 132.25 N INV. 128.75 - 18" RCP
⑥	DITCH BLOCK EL. 132.44	②1	SW CURB INLET TOP OF INLET = 142.61 NE INV. 137.49 - 18" RCP	③3	CATCH BASIN TOP OF INLET = 135.11 NE INV. 131.41 - 18" HDPE	⑤20	8'X4' CBC S INV. 127.61 (N ENDWALL) N INV. 127.45 (S ENDWALL)
⑦	NW MES SE INV. 130.08 - 18" RCP SE ENDWALL NW INV. 130.80 - 18" RCP	②2	CATCH BASIN TOP OF INLET = 138.57 S INV. 134.79 - 18" RCP N INV. 134.71 - 18" RCP	③4	CATCH BASIN TOP OF INLET = 135.00 NE INV. 130.77 - 18" HDPE SW INV. 130.82 - 18" HDPE	⑥03A	S ENDWALL 8'X4' CBC N INV. 127.40
⑧	DITCH BLOCK EL. 133.31	②3	N ENDWALL S INV. 130.95 - 18" RCP CATCH BASIN TOP OF INLET = 139.85 S INV. 131.37 - 18" RCP N INV. 131.37 - 18" RCP	③5	CATCH BASIN TOP OF INLET = 135.17 NE INV. 130.52 - 18" CMP SW INV. 130.55 - 18" HDPE	⑥03B	N ENDWALL 8'X4' CBC S INV. 127.54
⑨	N ENDWALL SE INV. 129.72 - 18" RCP S ENDWALL NW INV. 130.14 - 18" RCP	②4	NE MES SW INV. 128.89 - 18" RCP SW ENDWALL NE INV. 129.31 - 18" RCP	③6	S ENDWALL - DBL. 24" RCP SW INV. 130.12 SE INV. 130.15 N ENDWALL - DBL 24" RCP NW INV. 130.10 NE INV. 130.08		
⑩	S ENDWALL N INV. 131.13 - 18" RCP	②5	E ENDWALL PIPE SIZE NOT AVAILABLE W INV. 127.97 CATCH BASIN TOP OF INLET EL. NOT AVAILABLE PIPE SIZE NOT AVAILABLE E INV. 128.98				
⑪	N CURB INLET S INV. 141.15	②6	DITCH BLOCK EL. 131.89				
⑫	CATCH BASIN TOP OF INLET = 137.12 NE INV. 131.32 - 18" RCP S INV. 131.45 - 18" RCP	②7	DITCH BLOCK EL. 132.33				
⑬	N ENDWALL S INV. 130.61 - 18" RCP CATCH BASIN TOP OF INLET = 137.36 N INV. 133.47" - 18" RCP						
⑭	NW ENDWALL SE INV. 130.28 - 18" RCP SE ENDWALL NW INV. 130.30 - 18" RCP						
⑮	NE CONCRETE SWALE TOP EL. 137.48						

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXISTING DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		7
					SR 400	POLK	201215-3-52-01		

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

SUMMARY OF FLOOD DATA
FINANCIAL PROJECT ID 201215-3-52-01

SHEET 01 OF 01

DATE: 01/24/19

STRUCTURE NO.	STATION	DESIGN FLOOD		BASE FLOOD		OVERTOPPING FLOOD				GREATEST FLOOD			
		2% PROB	50 YR FREQ	1% PROB	100 YR FREQ								
		DISCHARGE	STAGE	DISCHARGE	STAGE	DISCHARGE	STAGE	PROB %	FREQ YR	DISCHARGE	STAGE	PROB %	FREQ YR
CD-1	1586+34.00	4.42	131.60	5.04	131.63					8.74	131.75	0.20	500
CD-2	1603+26.00	32.35	131.74	32.91	131.78					34.86	131.92	0.20	500
CD-3	1618+43.00	2.04	131.74	2.04	131.78					0.00	131.92	0.20	500
CD-4	1637+42.00	86.18	131.91	92.33	131.97					113.81	132.14	0.20	500
CD-5	1682+41.00	49.74	131.37	52.49	131.41					62.40	131.47	0.20	500
CD-7	1719+41.00	38.42	131.03	38.42	131.06					38.42	131.15	0.20	500
CD-8	42+05.00	198.11	132.02	210.18	132.05					252.02	132.17	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.

DEFINITIONS:

DESIGN FLOOD: UTILIZED TO ASSURE A STANDARD LEVEL OF HYDRAULIC PERFORMANCE.

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

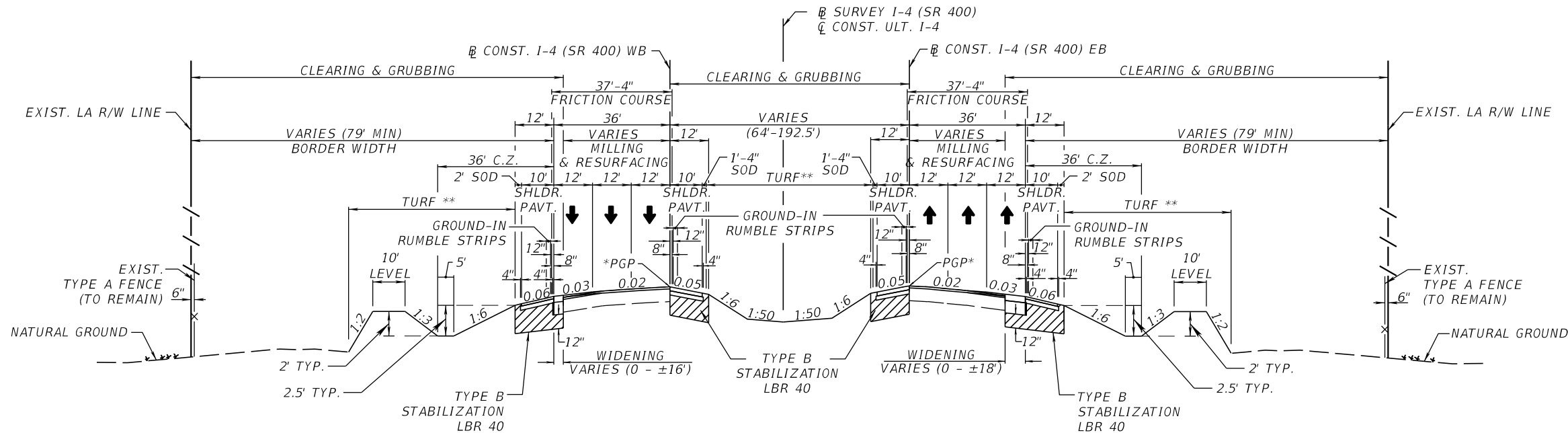
PREPARED BY: RENATO CHUW, PE

OVERTOPPING FLOOD: CAUSES FLOW OVER THE HIGHWAY, OVER A WATERSHED DIVIDE OR THRU EMERGENCY RELIEF STRUCTURES. DATE: 01/24/2019

GREATEST FLOOD: THE MOST SEVERE THAT CAN BE PREDICTED WHERE OVERTOPPING IS NOT PRACTICABLE.

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF FLOOD DATA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		8

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* PGP BEGINS AT STA. 1600+00 (EB & WB)
 ** SOD SLOPES STEEPER THAN 1:3

TYPICAL SECTION NO. 1 I-4 (SR 400)

STA. 1593+00.00 TO STA. 1604+00.00 (EB)
 STA. 1595+00.00 TO STA. 1604+50.00 (WB)
 STA. 1716+00.00 TO STA. 1722+00.00 (EB)
 STA. 1717+00.00 TO STA. 1722+00.00 (WB)

MILLING

MILL EXISTING ASPHALT
 PAVEMENT FOR DEPTH ($\frac{3}{4}$ ")

OVERBUILD FOR SLOPE

TYPE SP OVERBUILD (TRAFFIC E) THICKNESS VARIES ($\frac{1}{2}$ " TO 9")

RESURFACING

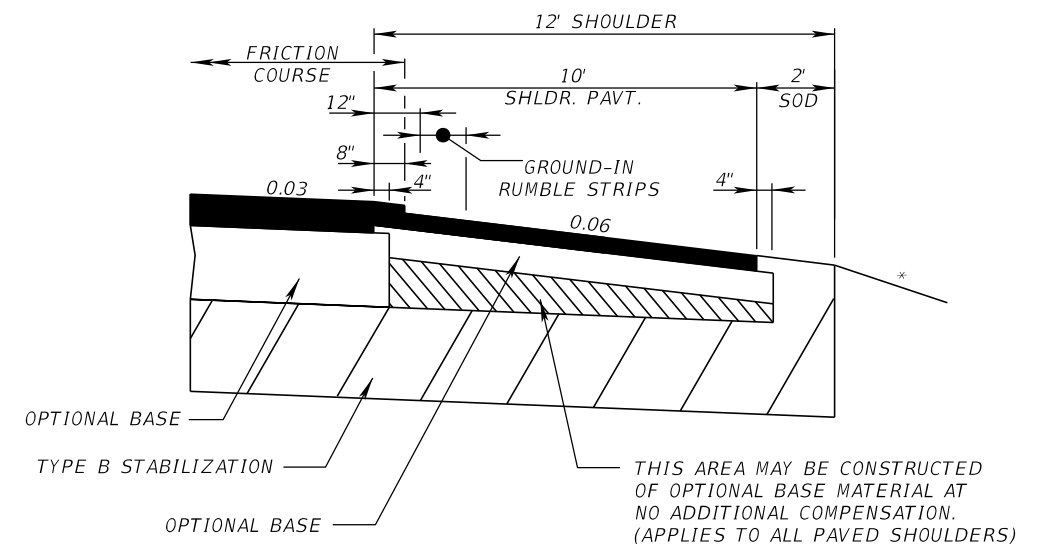
FRICTION COURSE FC-5 ($\frac{3}{4}$ ") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP 12 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3")
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3") (PG 76-22)
 AND FRICTION COURSE FC-5 ($\frac{3}{4}$ ") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")



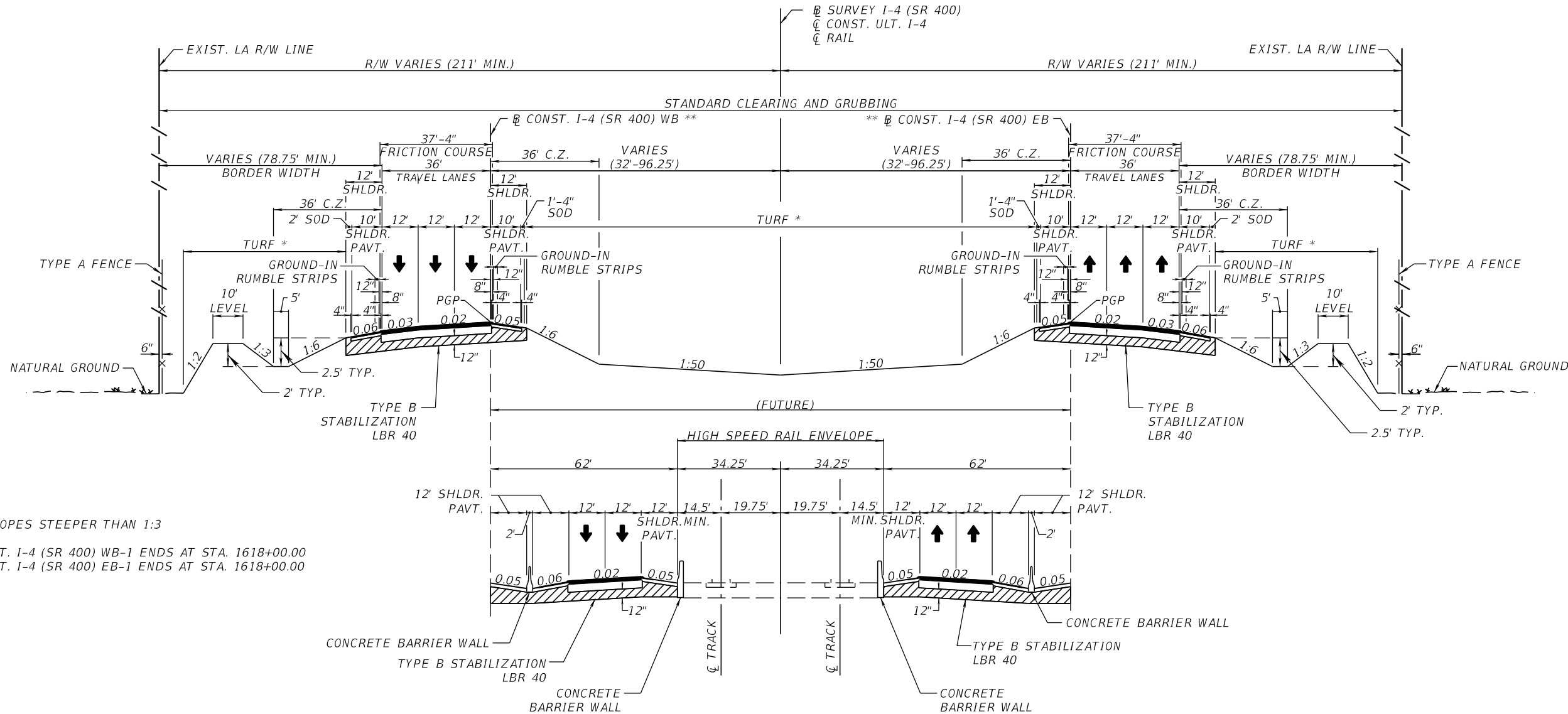
SHOULDER PAVEMENT DETAIL

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 105,000
 ESTIMATED OPENING YEAR = 2024 AADT = 120,000
 ESTIMATED DESIGN YEAR = 2044 AADT = 179,000
 K = 9% D = 53.0% T = 16.0% (24 HOUR)
 DESIGN HOUR T = 8.0%
 DESIGN SPEED = 70 MPH

NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		9



* SOD SLOPES STEEPER THAN 1:3
** CONST. I-4 (SR 400) WB-1 ENDS AT STA. 1618+00.00
CONST. I-4 (SR 400) EB-1 ENDS AT STA. 1618+00.00

TYPICAL SECTION NO. 2
I-4 (SR 400)

STA. 1604+00.00 TO STA. 1651+94.75 (EB)
STA. 1604+50.00 TO STA. 1651+94.75 (WB)
STA. 1652+68.41 TO STA. 1716+00.00 (EB)
STA. 1652+68.41 TO STA. 1717+00.00 (WB)

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3")
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3") (PG 76-22)
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

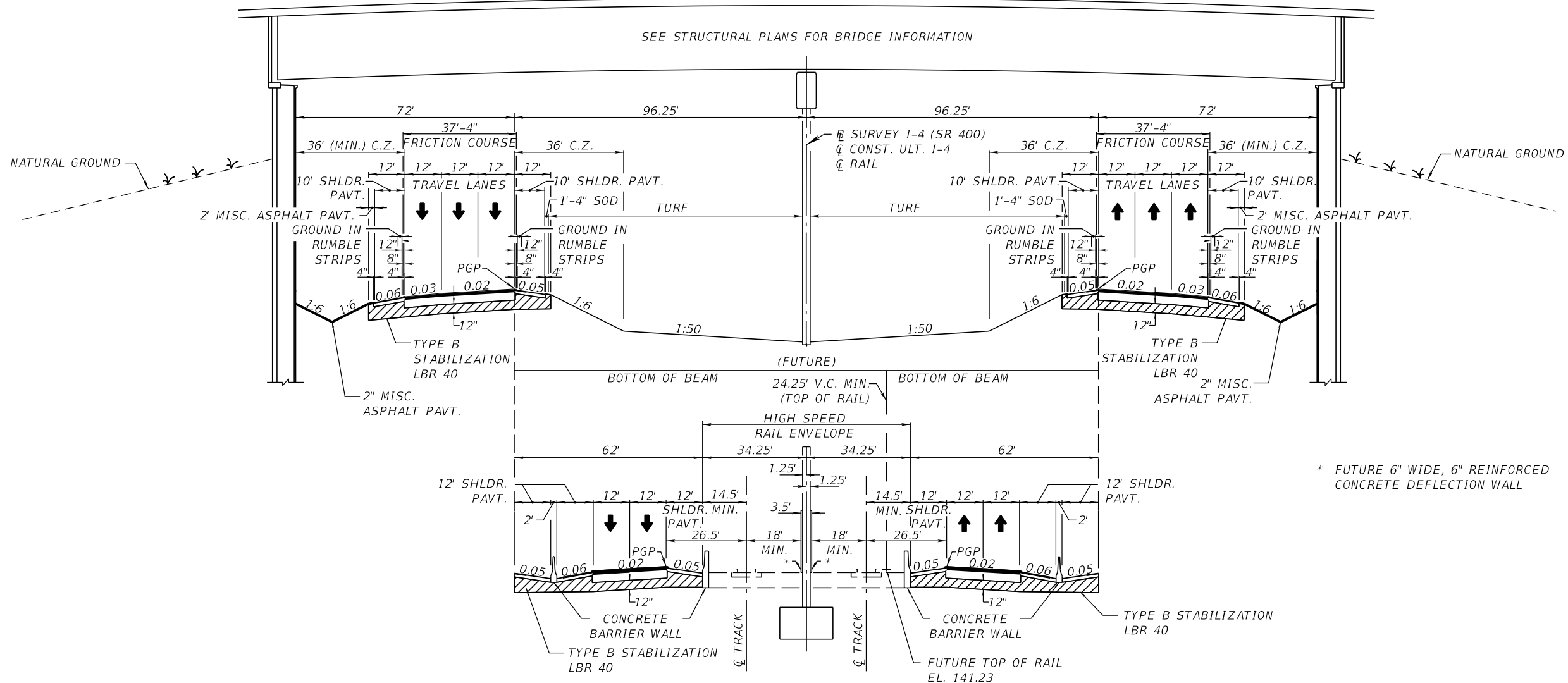
SHOULDER PAVEMENT
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 105,000
ESTIMATED OPENING YEAR = 2024 AADT = 120,000
ESTIMATED DESIGN YEAR = 2044 AADT = 179,000
K = 9% D = 53.0% T = 16.0% (24 HOUR)
DESIGN HOUR T = 8.0%
DESIGN SPEED = 70 MPH

NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



TYPICAL SECTION NO. 3
I-4 (SR 400) AT SR 557 BRIDGE
STA. 1651+94.75 TO STA. 1652+68.41

OPTIONAL BASE GROUP 12 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3")
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3") (PG 76-22)
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)

SHOULDER PAVEMENT

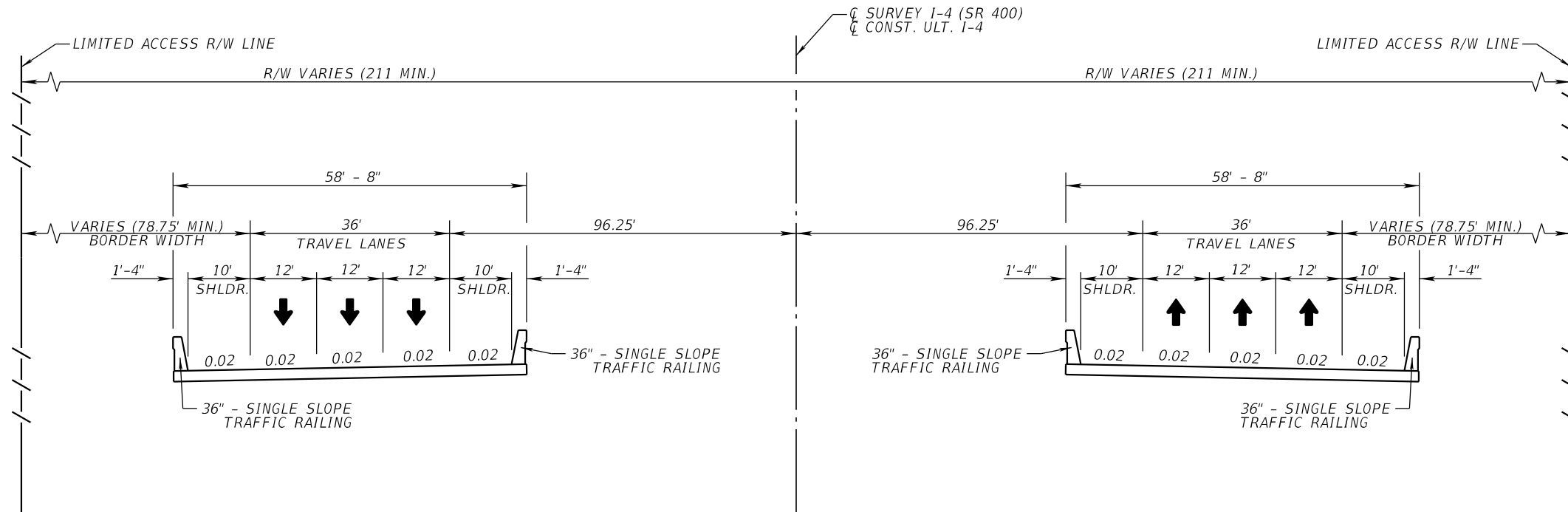
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 105,000
ESTIMATED OPENING YEAR = 2024 AADT = 120,000
ESTIMATED DESIGN YEAR = 2044 AADT = 179,000
K = 9% D = 53.0% T = 16.0% (24 HOUR)
DESIGN HOUR T = 8.0%
DESIGN SPEED = 70 MPH

NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		11



TYPICAL SECTION NO. 4
I-4 (SR 400) OVER WILDLIFE CROSSING
STA. 1690+95.24 TO STA. 1691+87.24

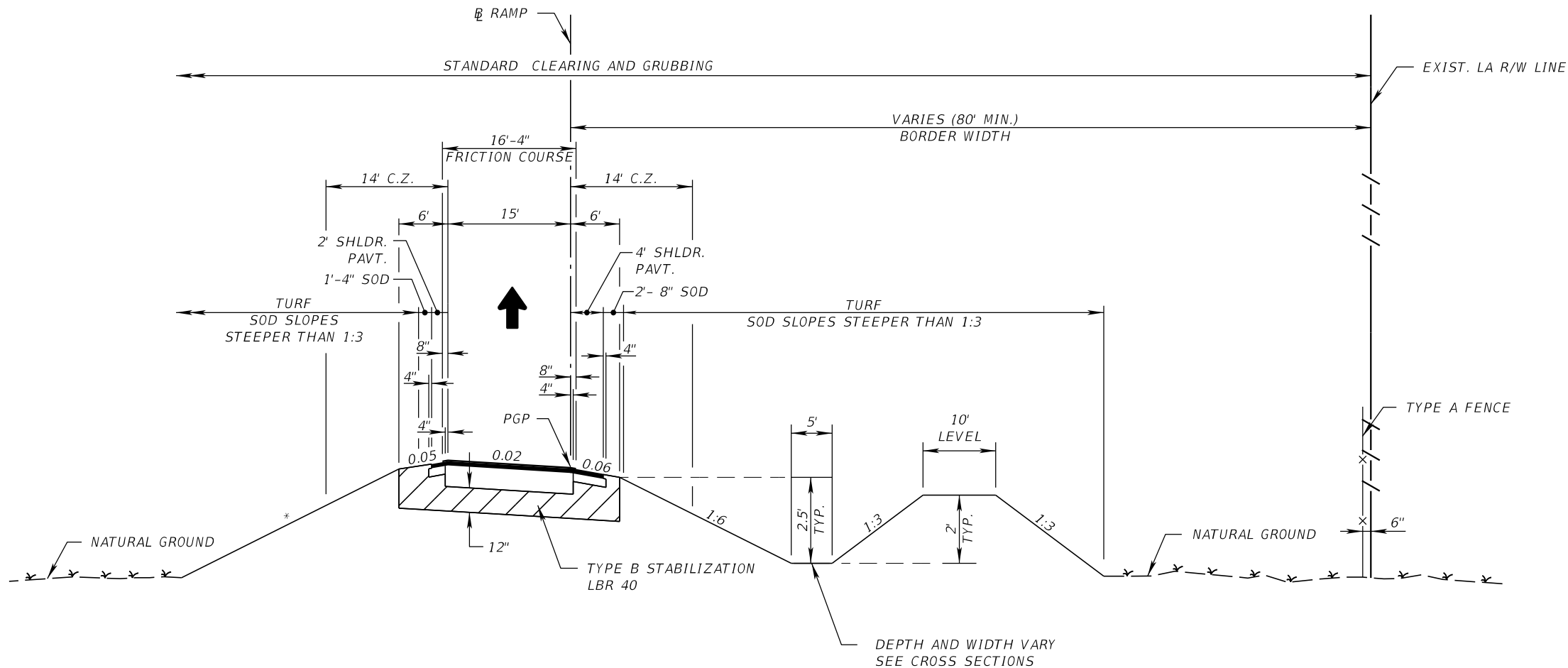
SEE STRUCTURES PLANS FOR ADDITIONAL DETAIL

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 105,000
ESTIMATED OPENING YEAR = 2024 AADT = 120,000
ESTIMATED DESIGN YEAR = 2044 AADT = 179,000
K = 9% D = 53.0% T = 16.0% (24 HOUR)
DESIGN HOUR T = 8.0%
DESIGN SPEED = 70 MPH

NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		12



* 1:6 FOR FILLS TO 5'
1:6 TO EDGE OF CLEAR ZONE & 1:3 FOR FILLS OVER 5'

RAMP A TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 3,300
ESTIMATED OPENING YEAR = 2024 AADT = 3,800
ESTIMATED DESIGN YEAR = 2044 AADT = 6,000
K = 9.3% D = 56.7% T = 17.3% (24 HOUR)
DESIGN HOUR T = 8.6%
DESIGN SPEED = 50 MPH

RAMP B TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 3,300
ESTIMATED OPENING YEAR = 2024 AADT = 3,800
ESTIMATED DESIGN YEAR = 2044 AADT = 6,000
K = 9.3% D = 56.7% T = 17.3% (24 HOUR)
DESIGN HOUR T = 8.6%
DESIGN SPEED = 50 MPH

RAMP C TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 6,000
ESTIMATED OPENING YEAR = 2024 AADT = 7,000
ESTIMATED DESIGN YEAR = 2044 AADT = 11,000
K = 9.3% D = 56.7% T = 17.3% (24 HOUR)
DESIGN HOUR T = 8.6%
DESIGN SPEED = 50 MPH

TYPICAL SECTION NO. 5

RAMP A
STA. 4631+51.42 TO STA. 4651+77.01
RAMP B
STA. 5628+57.25 TO STA. 5651+37.49
RAMP C
STA. 6652+80.49 TO STA. 6675+52.11
RAMP C1
STA. 6758+40.00 TO STA. 6765+05.49

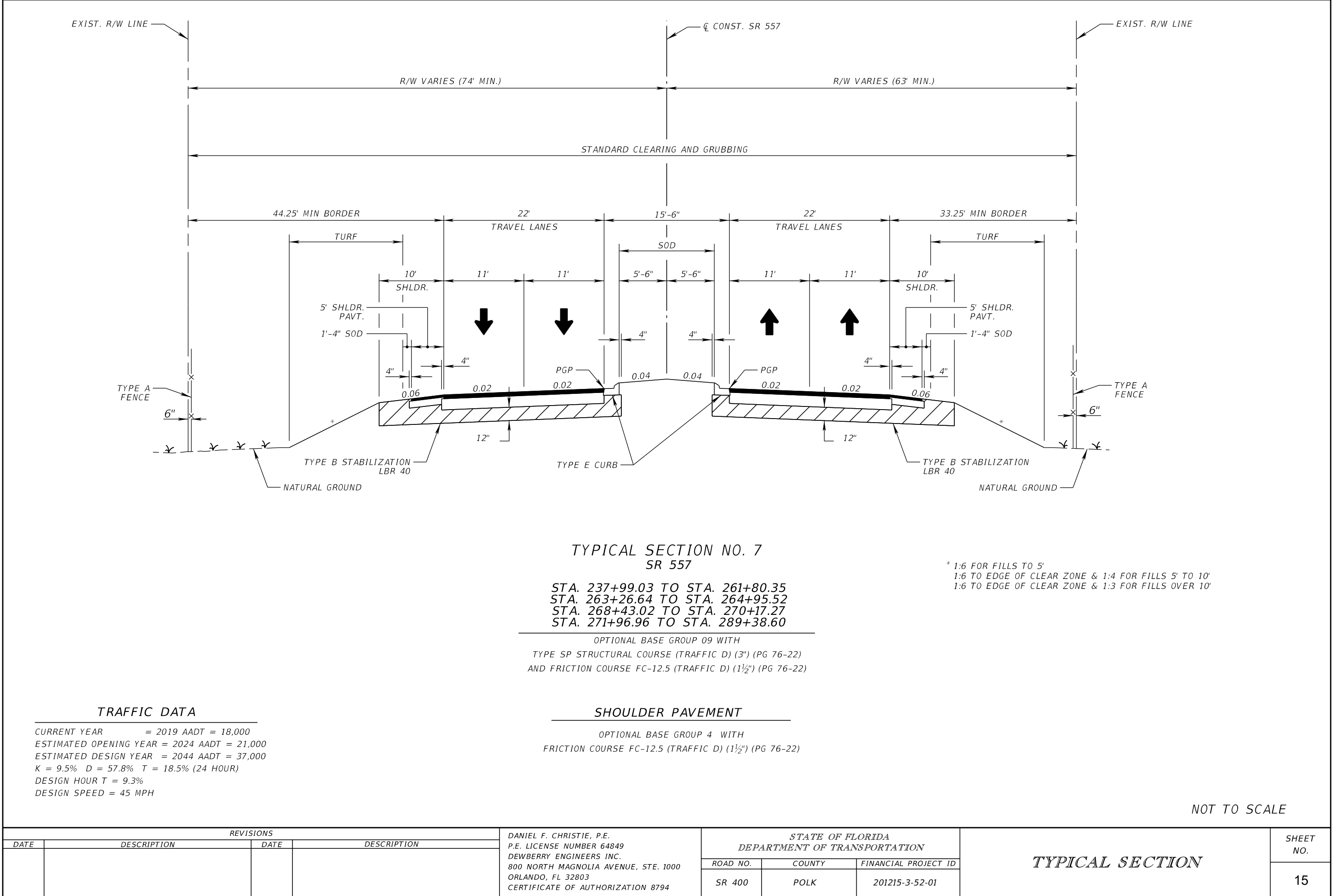
OPTIONAL BASE GROUP 11 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2")
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22)
AND FRICTION COURSE FC-5 (¾") (PG 76-22)

**RAMP
SHOULDER PAVEMENT**

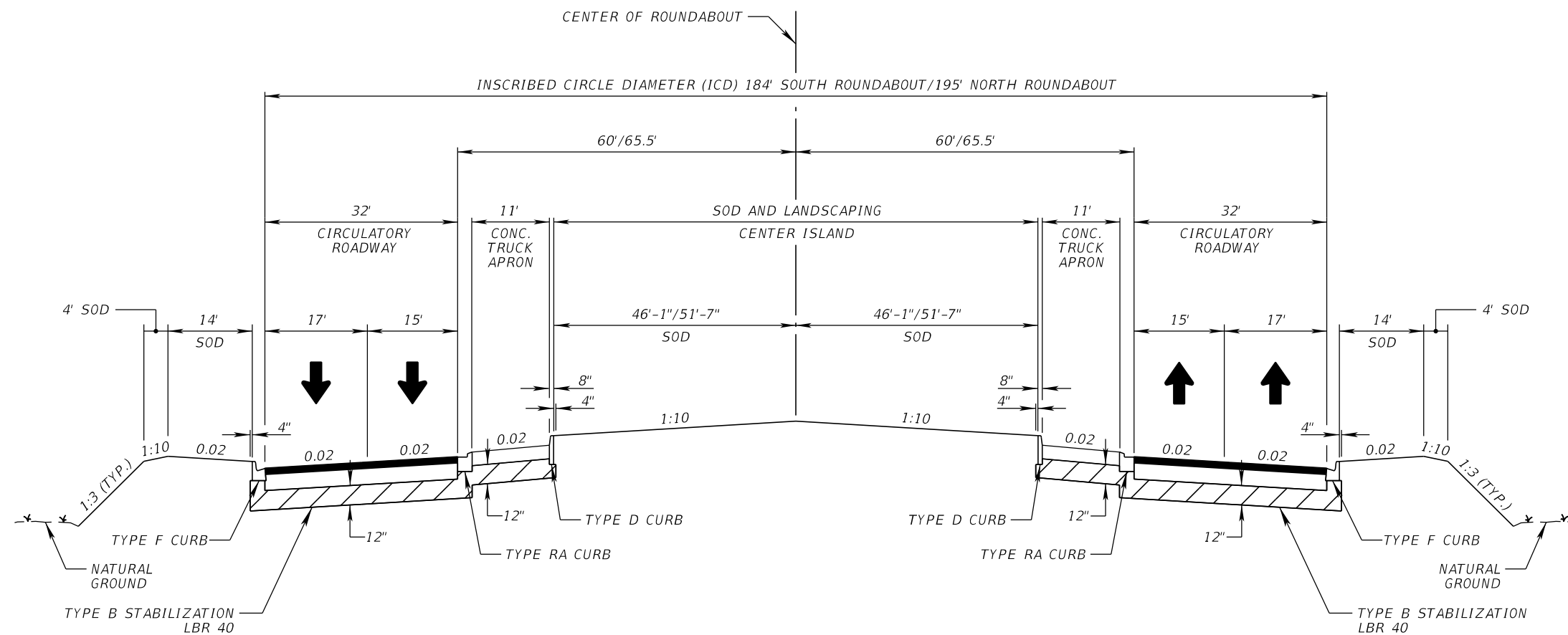
OPTIONAL BASE GROUP 4 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22)

NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		13



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TYPICAL SECTION NO. 8
SR 557 ROUNDABOUT

STA. 261+80.35 TO STA. 263+26.64
STA. 270+17.27 TO STA. 271+96.96

OPTIONAL BASE GROUP 09 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (3") (PG 76-22)
AND FRICTION COURSE FC-12.5 (TRAFFIC D) (1½") (PG 76-22)

SR 557 ROUNDABOUT
COLORED CONCRETE TRUCK APRON

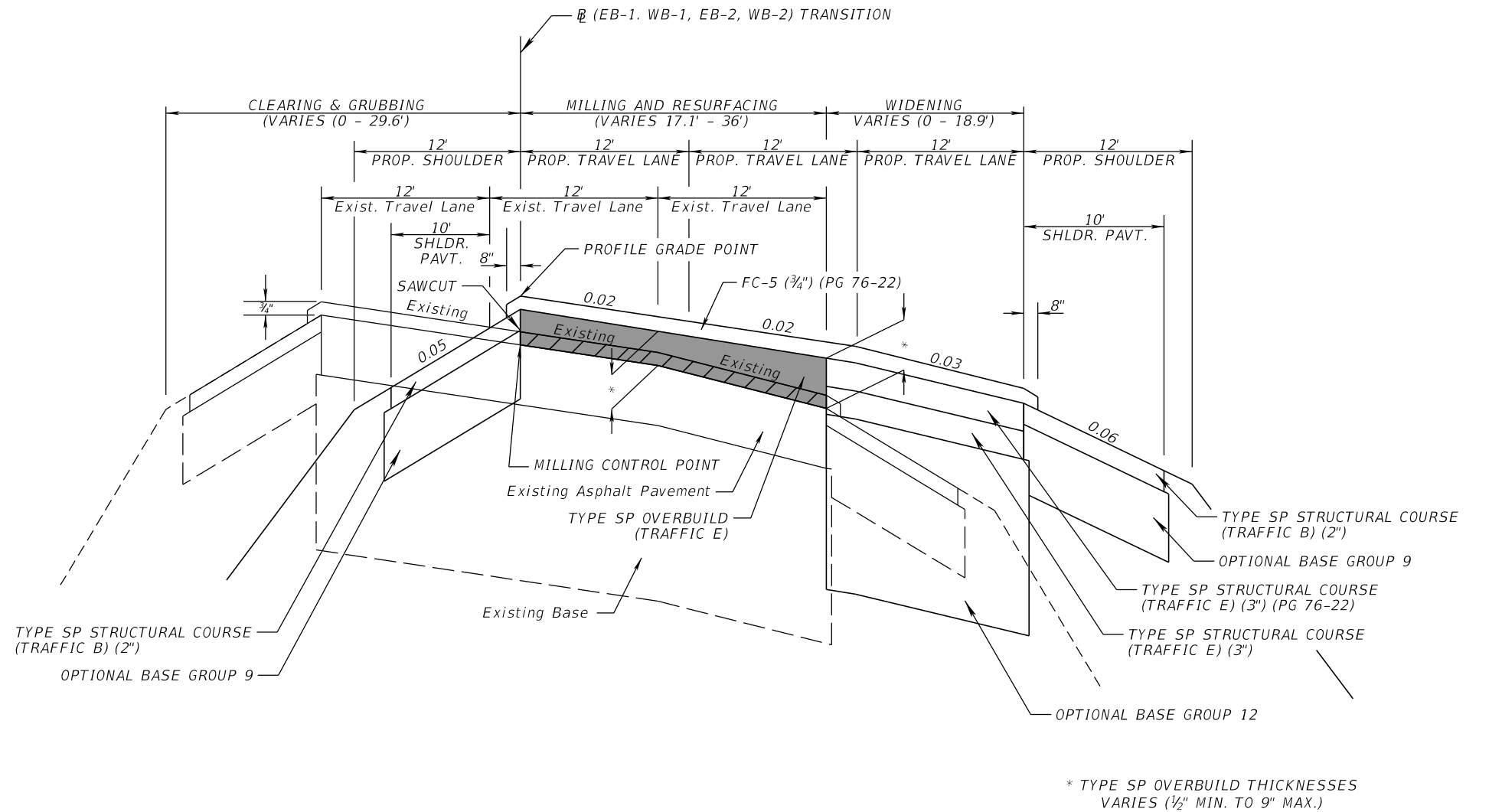
OPTIONAL BASE GROUP 01 (TYPE B-12.5 ONLY) WITH
12" COLORED CONCRETE PAVEMENT (AMS-STD-595-21105 RED)

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 18,000
ESTIMATED OPENING YEAR = 2024 AADT = 21,000
ESTIMATED DESIGN YEAR = 2044 AADT = 37,000
K = 9.5% D = 57.8% T = 18.5% (24 HOUR)
DESIGN HOUR T = 9.3%
DESIGN SPEED = 30 MPH

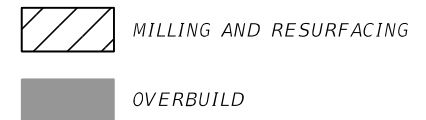
NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		16



VARIABLE DEPTH OVERBUILD AND RESURFACING DETAIL

STA. 1602+50.00 TO STA. 1603+50.00 (EB)
 STA. 1603+00.00 TO STA. 1604+50.00 (WB)
 STA. 1716+00.00 TO STA. 1719+00.00 (EB)
 STA. 1717+00.00 TO STA. 1721+00.00 (WB)



NOT TO SCALE

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		18

OVERBUILD DETAILS															
LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AVG. DEPTH OF OVERBUILD (IN.)	AREA OF OVERBUILD (SQ. FT.)	LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AVG. DEPTH OF OVERBUILD (IN.)	AREA OF OVERBUILD (SQ. FT.)
STATION	LANE							STATION	LANE						
1602+50.00	EB-OUTSIDE	-0.032	-0.020	1.5	10	1.0	0.9	1603+00.00	WB-OUTSIDE	-0.040	-0.020	0.7	3.5	0.5	0.1
1603+00.00	EB-OUTSIDE	-0.032	-0.020	1.5	10	1.0	0.9	1604+00.00	WB-OUTSIDE	-0.040	-0.020	1.6	7	1.1	0.6
1603+50.00	EB-OUTSIDE	-0.032	-0.020	1.5	10	1.0	0.9	1604+50.00	WB-OUTSIDE	-0.040	-0.020	1.6	7	1.1	0.6
1716+00.00	EB-OUTSIDE	-0.044	-0.020	9.0	12	6.0	6.0	1717+00.00	WB-OUTSIDE	-0.310	-0.020	5.9	12	3.9	3.9
1716+00.00	EB-INSIDE	-0.020	-0.020	5.5	9	3.6	2.7	1717+00.00	WB-MIDDLE	-0.022	-0.020	4.1	1	2.7	0.2
1717+00.00	EB-OUTSIDE	-0.035	-0.020	5.3	12	3.5	3.5	1717+00.00	WB-INSIDE	-0.022	-0.020	4.2	1.7	2.8	0.4
1717+00.00	EB-MIDDLE	-0.020	-0.020	1.2	12	0.8	0.8	1718+00.00	WB-OUTSIDE	-0.048	-0.020	6.5	12	4.3	4.3
1717+00.00	EB-INSIDE	-0.020	-0.020	1.2	0.9	0.8	0.1	1718+00.00	WB-MIDDLE	-0.021	-0.020	2.9	12	1.9	1.9
1718+00.00	EB-OUTSIDE	-0.039	-0.020	3.6	12	2.4	2.4	1718+00.00	WB-INSIDE	-0.021	-0.020	2.9	5	1.9	0.8
1718+00.00	EB-MIDDLE	-0.020	-0.020	1.4	12	0.9	0.9	1719+00.00	WB-OUTSIDE	-0.480	-0.020	3.0	12	2.0	2.0
1718+00.00	EB-INSIDE	-0.020	-0.020	1.6	4	1.1	0.4	1720+00.00	WB-OUTSIDE	-0.059	-0.020	2.6	11	1.7	1.6
1719+00.00	EB-INSIDE	-0.014	-0.020	0.4	12	0.2	0.2	1721+00.00	WB-OUTSIDE	-0.060	-0.020	2.3	8	1.7	1.6

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		19

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING
						ROUND									P-1			J-8			B		D		E	H	S-P																
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"		
P	CS-1	1592+29.00	RT.	Inlet, Pipe	1				35													1																					
F																																											
P	CS-2	5641+33.00	RT.	Inlet, Pipe	2				74														1																				
F																																											
P	HW-1	273+14.78	LT.	U-EW	1																															1							
F																																											
P	HW-2	7655+15.00	RT.	U-EW	1																															1							
F																																											
P	HW-3	6660+00.00	LT.	U-EW	1																															1							
F																																											
P	CD-2A	1603+26.84	LT.	S EW, Pipe	2				524								1																		1								
F																																											
P	CD-2B	1603+26.84	RT.	S EW	2																														1								
F																																											
P	CD-3A	1618+45.00	LT.	S EW, Pipe	4						1560						1																		1								
F																																											
P	CD-3B	1618+45.00	RT.	S EW	4																														1								
F																																											
P	CD-4A	4637+49.43	LT.	S EW, Pipe	1			484									1																	1									
F																																											
P	CD-4B	5637+51.70	RT.	S EW	1																													1									
F																																											
P	CD-5A	1682+41.50	LT.	S EW	1																																						
F																																											
P	CD-5B	1682+41.50	RT.	S EW	1																																						
F																																											
P	CD-8A	242+01.00	LT.	S EW, Pipe	2		20																										1										
F																																											
P	CD-8B	242+03.00	RT.	S EW	2																												1										
F																																											
P	CS-1A	1592+64.00	RT.	MES	1																																28						
F																																											
P	CS-2A	5641+38.00	RT.	Inlet, Pipe	2						37											1																					
F																																											
Sheet Summary						P Total	0	20	484	633	0	1597	0	0	0	0	0	3	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	2	2	2	2	3	28			
						F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES				SHEET NO.
DATE	DESCRIPTION		DATE		DESCRIPTION							

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	CS-1	1592+29.00	RT.	Inlet, Pipe	1	
F						
P	CS-2	5641+33.00	RT.	Inlet, Pipe	2	
F						
P	HW-1	273+14.78	LT.	U-EW	1	1:3
F						
P	HW-2	7655+15.00	RT.	U-EW	1	1:3
F						
P	HW-3	6660+00.00	LT.	U-EW	1	1:3
F						
P	CD-2A	1603+26.84	LT.	S EW, Pipe	2	J&B, Class V
F						
P	CD-2B	1603+26.84	RT.	S EW	2	
F						
P	CD-3A	1618+45.00	LT.	S EW, Pipe	4	J&B, Class V
F						
P	CD-3B	1618+45.00	RT.	S EW	4	
F						
P	CD-4A	4637+49.43	LT.	S EW, Pipe	1	J&B, Class V
F						
P	CD-4B	5637+51.70	RT.	S EW	1	
F						
P	CD-5A	1682+41.50	LT.	S EW	1	Box Culvert Data Table
F						
P	CD-5B	1682+41.50	RT.	S EW	1	Box Culvert Data Table
F						
P	CD-8A	242+01.00	LT.	S EW, Pipe	2	
F						
P	CD-8B	242+03.00	RT.	S EW	2	
F						
P	CS-1A	1592+64.00	RT.	MES	1	
F						
P	CS-2A	5641+38.00	RT.	Inlet, Pipe	2	
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		21

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING		
						ROUND									P-1			J-8			B		D		E	H	S-P																		
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"			18"	SY
P	OFF-1	1682+41.50	RT.	Inlet																																									
F																																													
P	OFF-2	1719+41.00	RT.	Inlet																																									
F																																													
P	OUT-2	5640+95.00	RT.	MES	2																																								34
F																																													
P	S-101	1588+00.00	RT.	Inlet, Pipe	1				213																																				
F																																													
P	S-102	NOT USED																																											
F																																													
P	S-103	1593+00.00	RT.	Inlet, Pipe	1						96																																		
F																																													
P	S-104	1593+00.00	RT.	Inlet, Pipe	1						193																																		
F																																													
P	S-105	1593+00.00	LT.	Inlet, Pipe	1						94																																		
F																																													
P	S-106	1597+00.00	LT.	Inlet, Pipe	1					397																																			
F																																													
P	S-107	1597+00.00	RT.	Inlet, Pipe	1					396																																			
F																																													
P	S-108	1601+00.00	LT.	Inlet, Pipe	1					398																																			
F																																													
P	S-109	1601+00.00	RT.	Inlet, Pipe	1					396																																			
F																																													
P	S-110	1601+00.00	LT.	Inlet, Pipe	1					103																																			
F																																													
P	S-111	1605+00.00	RT.	Inlet, Pipe	1					396																																			
F																																													
P	S-112	1605+00.00	LT.	Inlet, Pipe	1					399																																			
F																																													
P	S-113	1609+00.00	LT.	Inlet, Pipe	1					399																																			
F																																													
Sheet Summary						P Total	0	0	0	213	2884	383	0	0	0	0	0	0	4	7	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	34			
						F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Renato E. Chuw, PE
PE No. 56050
Inwood Consulting Engineers, Inc.
3000 Dovera Drive, Suite 200
Oviedo, Florida 32765
Certificate of Authorization No. 7074

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	POLK	201215-3-52-01

SUMMARY OF
DRAINAGE STRUCTURES

SHEET NO.

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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.

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	OFF-1	1682+41.50	RT.	Inlet		
F						
P	OFF-2	1719+41.00	RT.	Inlet		Alt. B 3.1' x 6.0'
F						
P	OUT-2	5640+95.00	RT.	MES	2	
F						
P	S-101	1588+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 4.0'
F						
P	S-102	NOT USED				
F						
P	S-103	1593+00.00	RT.	Inlet, Pipe	1	J&B, Alt. B 6.0' x 4.0'
F						
P	S-104	1593+00.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 5.0'
F						
P	S-105	1593+00.00	LT.	Inlet, Pipe	1	J&B, Alt. B 6.0' x 5.0'
F						
P	S-106	1597+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-107	1597+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-108	1601+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-109	1601+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-110	1601+00.00	LT.	Inlet, Pipe	1	J&B, Alt. B 5.0' x 4.0'
F						
P	S-111	1605+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-112	1605+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-113	1609+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		23

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING
						ROUND									P-1			J-8			B		D		E	H	S-P																
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"		
P	S-114	1609+00.00	RT.	Inlet, Pipe	1					396										1																							
F																																											
P	S-201	5635+00.00	RT.	Inlet, Pipe	1					395										1																							
F																																											
P	S-202	1635+00.00	LT.	Inlet, Pipe	1			174												1																							
F																																											
P	S-203	1635+00.00	LT.	Inlet, Pipe	1			192													1																						
F																																											
P	S-204	5639+00.00	RT.	Inlet, Pipe	1						396									1																							
F																																											
P	S-205	4639+00.00	LT.	Inlet, Pipe	1		52													1																							
F																																											
P	S-206	1639+00.00	RT.	Inlet, Pipe	1		63													1																							
F																																											
P	S-207	1639+00.00	LT.	Inlet, Pipe	1			396												1																							
F																																											
P	S-208	5643+00.00	RT.	Manhole, Pipe	1						208						1																										
F																																											
P	S-209	4643+00.00	LT.	Inlet, Pipe	1	117														1																							
F																																											
P	S-210	5643+00.00	RT.	Inlet, Pipe	1						44									1																							
F																																											
P	S-211	1643+00.00	LT.	Inlet, Pipe	1			320												1																							
F																																											
P	S-212	1643+00.00	RT.	Inlet, Pipe	1			136												1																							
F																																											
P	S-213	5647+00.00	RT.	Inlet, Pipe	1	396														1																							
F																																											
P	S-214	5649+42.00	RT.	Inlet, Pipe	1	239									1																												
F																																											
P	S-215	1651+00.00	LT.	Inlet, Pipe	1						320									1																							
F																																											
P	S-216	1651+00.00	RT.	Inlet, Pipe	1							411								1																							
F																																											
Sheet Summary						P Total	752	115	1218	0	791	968	411	0	0	1	0	0	1	0	11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
						F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES				SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
					SR 400	POLK	201215-3-52-01					24

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-114	1609+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-201	5635+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-202	1635+00.00	LT.	Inlet, Pipe	1	J&B
F						
P	S-203	1635+00.00	LT.	Inlet, Pipe	1	J&B
F						
P	S-204	5639+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-205	4639+00.00	LT.	Inlet, Pipe	1	
F						
P	S-206	1639+00.00	RT.	Inlet, Pipe	1	
F						
P	S-207	1639+00.00	LT.	Inlet, Pipe	1	
F						
P	S-208	5643+00.00	RT.	Manhole, Pipe	1	Alt. B 4.0' x 5.0'
F						
P	S-209	4643+00.00	LT.	Inlet, Pipe	1	
F						
P	S-210	5643+00.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 6.0'
F						
P	S-211	1643+00.00	LT.	Inlet, Pipe	1	J&B
F						
P	S-212	1643+00.00	RT.	Inlet, Pipe	1	
F						
P	S-213	5647+00.00	RT.	Inlet, Pipe	1	
F						
P	S-214	5649+42.00	RT.	Inlet, Pipe	1	
F						
P	S-215	1651+00.00	LT.	Inlet, Pipe	1	J&B, Alt. B 6.0' x 6.0'
F						
P	S-216	1651+00.00	RT.	Inlet, Pipe	1	Alt. B 4.0' x 6.0'
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		26

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-217	1651+25.00	RT.	Manhole, Pipe	1	Alt. B 8.0' x 8.0'
F						
P	S-218	6654+05.00	RT.	Inlet, Pipe	1	
F						
P	S-219	1655+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 8.0'
F						
P	S-220	7655+15.00	RT.	Inlet, Pipe	1	
F						
P	S-221	1656+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-222	1660+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 8.0'
F						
P	S-223	6660+00.00	RT.	Inlet, Pipe	1	
F						
P	S-224	1661+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-225	1664+00.00	LT.	Inlet, Pipe	1	Alt. A 6.0' Dia.
F						
P	S-226	1665+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-227	7665+00.00	LT.	Inlet, Pipe	1	Alt. A 6.0' Dia.
F						
P	S-228	6665+00.00	RT.	Inlet, Pipe	1	
F						
P	S-229	1666+97.09	RT.	Inlet, Pipe	1	Alt. A 6.0' Dia.
F						
P	S-230	1667+00.00	LT.	Inlet, Pipe	1	J&B, Alt. B 5.0' x 4.0'
F						
P	S-231	7667+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-232	6668+00.00	RT.	Inlet, Pipe	1	Alt. A 6.0' Dia.
F						
Sheet Summary					P Total	
					F Total	

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES			INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING				
						ROUND									P-1			J-8		B		D		E	H	S-P																						
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'	36"													42"	48"	54"	72"
P	S-233	7669+00.00	LT.	Inlet, Pipe	1				196												1																											
F																																																
P	S-234	6669+00.00	RT.	Inlet, Pipe	1						97											1																										
F																																																
P	S-235	1673+00.00	LT.	Inlet, Pipe	1				394													1																										
F																																																
P	S-236	6673+00.00	RT.	Inlet, Pipe	1						395											1																										
F																																																
P	S-237	1675+00.00	LT.	Inlet, Pipe	1			197														1																										
F																																																
P	S-238	1677+00.00	RT.	Inlet, Pipe	1						394											1																										
F																																																
P	S-239	1677+58.00	LT.	Inlet, Pipe	1			255																			1																					
F																																																
P	S-240	1678+00.00	LT.	Inlet, Pipe	1		39																				1																					
F																																																
P	S-241	1679+50.00	LT.	Inlet, Pipe	1		147																				1																					
F																																																
P	S-242	1680+60.00	RT.	Inlet, Pipe	1						357																		1																			
F																																																
P	S-243	1681+00.00	LT.	Inlet, Pipe	1		305																				1																					
F																																																
P	S-244	1681+00.00	RT.	Inlet, Pipe	1						37																		1																			
F																																																
P	S-245	1682+50.00	LT.	Inlet, Pipe	1	147																					1																					
F																																								</								

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-233	7669+00.00	LT.	Inlet, Pipe	1	Alt. B 4.0' x 5.0'
F						
P	S-234	6669+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-235	1673+00.00	LT.	Inlet, Pipe	1	Alt. B 4.0' x 5.0'
F						
P	S-236	6673+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-237	1675+00.00	LT.	Inlet, Pipe	1	
F						
P	S-238	1677+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 6.0'
F						
P	S-239	1677+58.00	LT.	Inlet, Pipe	1	Alt. B 3.5' x 4.0'
F						
P	S-240	1678+00.00	LT.	Inlet, Pipe	1	
F						
P	S-241	1679+50.00	LT.	Inlet, Pipe	1	
F						
P	S-242	1680+60.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
P	S-243	1681+00.00	LT.	Inlet, Pipe	1	J&B
F						
P	S-244	1681+00.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
P	S-245	1682+50.00	LT.	Inlet, Pipe	1	
F						
P	S-246	1682+50.00	RT.	Inlet, Pipe	1	Alt. B 12.0' x 5.0'
F						
P	S-247	1684+00.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
P	S-248	1684+00.00	LT.	Inlet, Pipe	1	
F						
P	S-249	1685+50.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		29
					SR 400	POLK	201215-3-52-01		

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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		30

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-250	1685+50.00	LT.	Inlet, Pipe	1	
F						
P	S-251	1687+00.00	LT.	Inlet, Pipe	1	
F						
P	S-252	1687+00.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
P	S-253	1688+60.00	RT.	Inlet, Pipe	1	Alt. B 6.0' x 4.0'
F						
P	S-254	1688+60.00	LT.	Inlet, Pipe	1	
F						
P	S-255	1690+30.00	RT.	Manhole, Pipe	1	Alt. B 3.5' x 5.0'
F						
P	S-256	1690+30.00	LT.	Inlet, Pipe	1	
F						
P	S-257	1690+30.00	RT.	Inlet, Pipe	1	
F						
P	S-258	1692+50.00	RT.	Inlet, Pipe	1	
F						
P	S-259	1692+50.00	LT.	Inlet, Pipe	1	
F						
P	S-260	1693+20.00	RT.	Inlet, Pipe	1	
F						
P	S-261	1693+50.00	RT.	Manhole, Pipe	1	Alt. B 3.5' x 5.0'
F						
P	S-262	1693+50.00	RT.	Inlet, Pipe	1	
F						
P	S-263	1693+70.00	LT.	Inlet, Pipe	1	
F						
P	S-264	1694+40.00	LT.	Inlet, Pipe	1	
F						
P	S-265	1696+00.00	LT.	Inlet, Pipe	1	J&B, Alt. B 5.0' x 5.0'
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		31
					SR 400	POLK	201215-3-52-01		

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING
						ROUND									P-1			J-8			B		D		E	H	S-P																
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"		
P	S-266	1696+00.00	RT.	Inlet, Pipe	1					247											1																						
F																																											
P	S-267	1700+00.00	LT.	Inlet, Pipe	1					396											1																						
F																																											
P	S-268	1700+00.00	RT.	Inlet, Pipe	1					397											1																						
F																																											
P	S-269	1704+00.00	LT.	Inlet, Pipe	1					397											1																						
F																																											
P	S-270	1704+00.00	RT.	Inlet, Pipe	1					397											1																						
F																																											
P	S-271	1708+00.00	RT.	Inlet, Pipe	1					397											1																						
F																																											
P	S-272	1708+00.00	LT.	Inlet, Pipe	1					397											1																						
F																																											
P	S-273	1710+00.00	RT.	Inlet, Pipe	1					197											1																						
F																																											
P	S-274	1710+00.00	LT.	Inlet, Pipe	1					197											1																						
F																																											
P	S-275	8712+00.00	LT.	Inlet, Pipe	1			201																	1																		
F																																											
P	S-276	9712+00.00	RT.	Inlet, Pipe	1			201																	1																		
F																																											
P	S-277	8714+00.00	LT.	Inlet, Pipe	1		196																		1																		
F																																											
P	S-278	9714+00.00	RT.	Inlet, Pipe	1		196																		1																		
F																																											
P	S-279	8714+90.00	LT.	Inlet, Pipe	1		86																		1																		
F																																											
P	S-280	9714+90.00	RT.	Inlet, Pipe	1		86																		1																		
F																																											
P	S-301	248+50.00	LT.	Inlet, Pipe	1			197														1																					
F																																											
P	S-302	250+50.00	LT.	Inlet, Pipe	1			97														1																					
F																																											
Sheet Summary						P Total	0	564	696	0	3022	0	0	0	0	0	0	0	0	4	5	2	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
						F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES				SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
					SR 400	POLK	201215-3-52-01					
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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-266	1696+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-267	1700+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-268	1700+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-269	1704+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-270	1704+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-271	1708+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-272	1708+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-273	1710+00.00	RT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-274	1710+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 5.0'
F						
P	S-275	8712+00.00	LT.	Inlet, Pipe	1	Alt. B 3.5' x 4.0'
F						
P	S-276	9712+00.00	RT.	Inlet, Pipe	1	Alt. B 3.5' x 4.0'
F						
P	S-277	8714+00.00	LT.	Inlet, Pipe	1	
F						
P	S-278	9714+00.00	RT.	Inlet, Pipe	1	
F						
P	S-279	8714+90.00	LT.	Inlet, Pipe	1	
F						
P	S-280	9714+90.00	RT.	Inlet, Pipe	1	
F						
P	S-301	248+50.00	LT.	Inlet, Pipe	1	
F						
P	S-302	250+50.00	LT.	Inlet, Pipe	1	
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		33
					SR 400	POLK	201215-3-52-01		

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING
						ROUND									P-1			J-8			B		D		E	H	S-P																
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"		
P	S-303	251+50.00	LT.	Inlet, Pipe	1			148																																			
F																																											
P	S-304	251+50.00	RT.	Inlet, Pipe	1		96																																				
F																																											
P	S-305	253+00.00	LT.	Inlet, Pipe	1			198																																			
F																																											
P	S-306	255+00.00	LT.	Inlet, Pipe	1			304																																			
F																																											
P	S-307	255+00.00	RT.	Inlet, Pipe	1		125																																				
F																																											
P	S-308	258+03.00	LT.	Manhole, Pipe	1				79							1																											
F																																											
P	S-309	260+15.00	RT.	Inlet, Pipe	1	72									1																												
F																																											
P	S-310	260+15.00	LT.	Inlet, Pipe	1	20									51	1																											
F																																											
P	S-311	262+53.00	RT.	Inlet, Pipe	1	191									1																												
F																																											
P	S-312	262+78.00	LT.	Inlet, Pipe	1	228									1																												
F																																											
P	S-313	264+28.00	LT.	Inlet, Pipe	1	166																																					
F																																											
P	S-314	264+28.00	RT.	Inlet, Pipe	1	65																																					
F																																											
P	S-315	269+11.00	LT.	Inlet, Pipe	1	202																																					
F																																											
P	S-316	269+11.00	RT.	Inlet, Pipe	1	65																																					
F																																											
P	S-317	270+70.00	RT.	Inlet, Pipe	1	208									1																												
F																																											
P	S-318	270+97.00	LT.	Inlet, Pipe	1	214									1																												
F																																											
Sheet Summary				P Total	1431	221	650	79	0	0	0	0	51	6	0	0	1	0	0	0	5	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0				
				F Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES				SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-303	251+50.00	LT.	Inlet, Pipe	1	
F						
P	S-304	251+50.00	RT.	Inlet, Pipe	1	
F						
P	S-305	253+00.00	LT.	Inlet, Pipe	1	
F						
P	S-306	255+00.00	LT.	Inlet, Pipe	1	
F						
P	S-307	255+00.00	RT.	Inlet, Pipe	1	
F						
P	S-308	258+03.00	LT.	Manhole, Pipe	1	Alt. B 4.0' x 5.0'
F						
P	S-309	260+15.00	RT.	Inlet, Pipe	1	
F						
P	S-310	260+15.00	LT.	Inlet, Pipe	1	
F						
P	S-311	262+53.00	RT.	Inlet, Pipe	1	
F						
P	S-312	262+78.00	LT.	Inlet, Pipe	1	
F						
P	S-313	264+28.00	LT.	Inlet, Pipe	1	
F						
P	S-314	264+28.00	RT.	Inlet, Pipe	1	
F						
P	S-315	269+11.00	LT.	Inlet, Pipe	1	
F						
P	S-316	269+11.00	RT.	Inlet, Pipe	1	
F						
P	S-317	270+70.00	RT.	Inlet, Pipe	1	
F						
P	S-318	270+97.00	LT.	Inlet, Pipe	1	
F						
Sheet Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		35
					SR 400	POLK	201215-3-52-01		

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

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL								GUTTER DRAIN	CURB INLETS			MANHOLES		INLET CAP	DITCH BOTTOM INLETS								GUTTER INLETS			SHOULDER BARRIER INLETS	CROSS DRAIN MITERED END SECTION					STRAIGHT CONCRETE ENDWALL				U-TYPE ENDWALL	SODDING
						ROUND									P-1			J-8			B		D		E	H	S-P																
						18"	24"	30"	36"	42"	48"	54"	72"		18"	<10'	>10'	<10'	>10'			<10'	>10'	<10'	>10'	<10'	<10'	<10'	>10'	>10'	<10'		36"	42"	48"	54"	72"	24"	30"	36"	48"		
P	S-319	273+00.00	LT.	Inlet, Pipe	1					466																																	
F																																											
P	S-320	273+20.00	LT.	Inlet, Pipe	1	31								38		1																											
F																																											
P	S-321	273+30.00	RT.	Inlet, Pipe	1	83									1																												
F																																											
P	S-322	278+00.00	LT.	Manhole, Pipe	1					499							1																										
F																																											
P	S-323	281+50.00	RT.	Inlet, Pipe	1		102																1																				
F																																											
P	S-324	281+50.00	LT.	Inlet, Pipe	1					349													1																				
F																																											
P	S-325	4650+90.00	LT.	Inlet, Pipe	1	83									1																												
F																																											
P	OUT-1A	1588+86.00	RT.	MES	1																							1												38			
F																																											
P	OUT-1B	1592+59.00	RT.	MES	1																												1										
F																																											
P	OUT-22	5640+99.00	RT.	MES	2																								1											28			
F																																											
P	OUT-2A	1644+62.00	RT.	MES	1																													1									
F																																											
P	OUT-2B	261+14.00	LT.	MES	1																													1									
F																																											
P	OUT-2C	1649+83.00	RT.	MES	1																														1								
F																																											
P	OUT-2D	260+15.00	LT.	U-EW	1																																	1					
F																																											
P	OUT-2E	258+03.00	LT.	MES	1																														1					34			
F																																											
P	OUT-OFF	1719+40.35	RT.	MES																																							

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QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	REMARKS
P	S-319	273+00.00	LT.	Inlet, Pipe	1	Alt. B 5.0' x 4.0'
F						
P	S-320	273+20.00	LT.	Inlet, Pipe	1	
F						
P	S-321	273+30.00	RT.	Inlet, Pipe	1	
F						
P	S-322	278+00.00	LT.	Manhole, Pipe	1	Alt. B 3.5' x 5.0'
F						
P	S-323	281+50.00	RT.	Inlet, Pipe	1	
F						
P	S-324	281+50.00	LT.	Inlet, Pipe	1	
F						
P	S-325	4650+90.00	LT.	Inlet, Pipe	1	
F						
P	OUT-1A	1588+86.00	RT.	MES	1	
F						
P	OUT-1B	1592+59.00	RT.	MES	1	
F						
P	OUT-22	5640+99.00	RT.	MES	2	
F						
P	OUT-2A	1644+62.00	RT.	MES	1	
F						
P	OUT-2B	261+14.00	LT.	MES	1	
F						
P	OUT-2C	1649+83.00	RT.	MES	1	
F						
P	OUT-2D	260+15.00	LT.	U-EW	1	1:2
F						
P	OUT-2E	258+03.00	LT.	MES	1	Existing Pipe
F						
P	OUT-OFF	1719+40.35	RT.	MES		Existing Pipe
F						
Sheet Summary				P Total		
				F Total		
Final Summary				P Total		
				F Total		

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
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GENERAL NOTES
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- 1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- 2. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
- 3. REGIONAL TRANSPORTATION MANAGEMENT CENTER:

FDOT DISTRICT 1
SOUTH WEST INTERAGENCY FACILITY FOR TRANSPORTATION (SWIFT)
10041 DANIELS PARKWAY
FORT MYERS, FL 33913

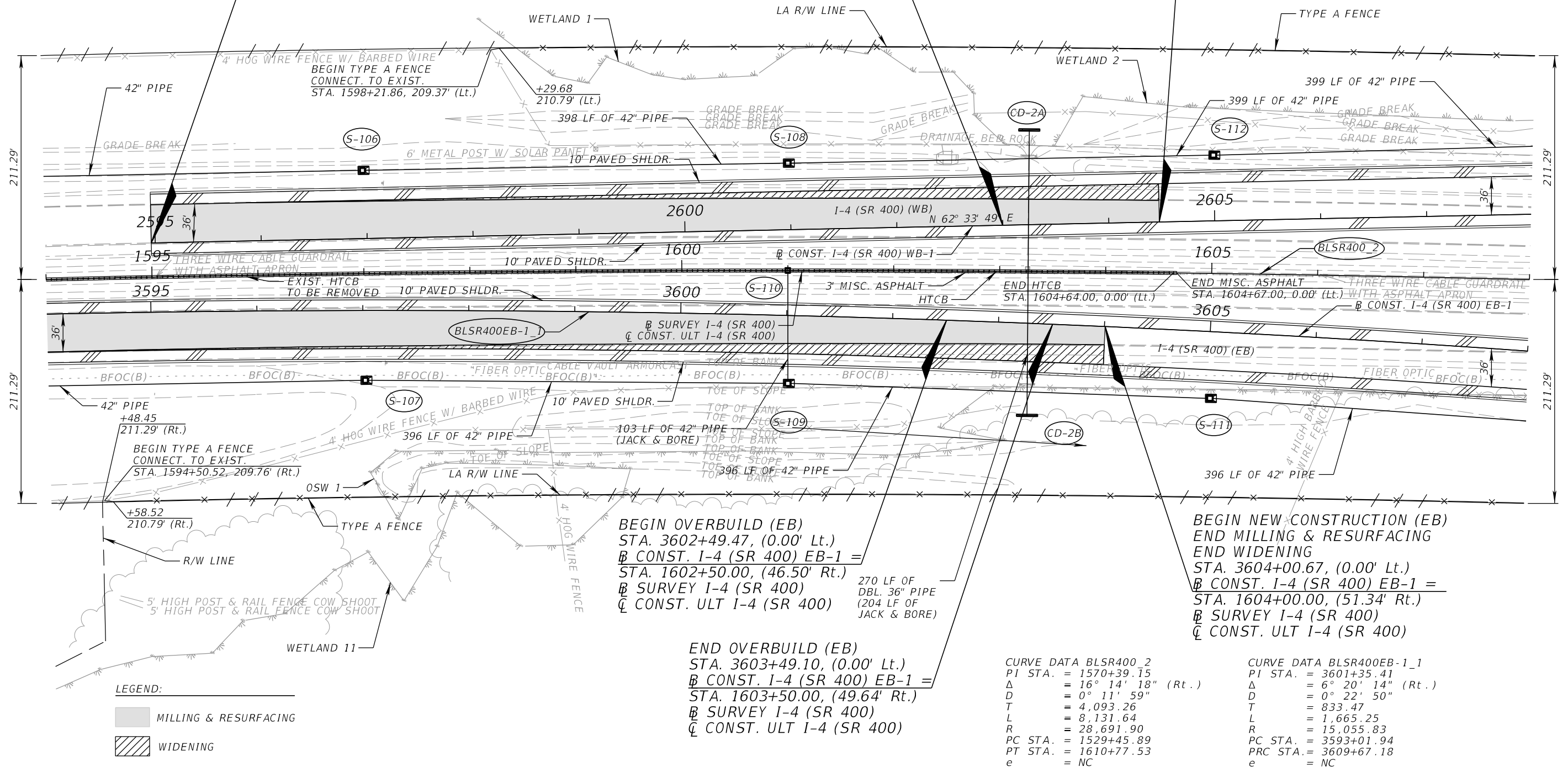
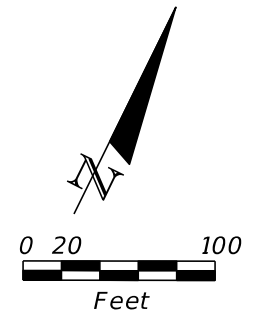
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		44
					SR 400	POLK	201215-3-52-01		

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

BEGIN CONSTRUCTION (WB)
BEGIN MILLING & RESURFACING
BEGIN WIDENING
BEGIN WB TRANSITION 1
STA. 2594+96.28, (0.00' Lt.)
B CONST. I-4 (SR 400) WB-1 =
STA. 1595+00.00, (32.21' Lt.)
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)

BEGIN OVERBUILD (WB)
STA. 2602+96.18, (0.00' Lt.)
B CONST. I-4 (SR 400) WB-1 =
STA. 1603+00.00
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)

BEGIN NEW CONSTRUCTION (WB)
END MILLING & RESURFACING
END WIDENING
END OVERBUILD
STA. 2604+47.66, (0.00' Lt.)
B CONST. I-4 (SR 400) WB-1 =
STA. 1604+50.00, (47.88' Lt.)
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)



BEGIN OVERBUILD (EB)
STA. 3602+49.47, (0.00' Lt.)
B CONST. I-4 (SR 400) EB-1 =
STA. 1602+50.00, (46.50' Rt.)
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)

END OVERBUILD (EB)
STA. 3603+49.10, (0.00' Lt.)
B CONST. I-4 (SR 400) EB-1 =
STA. 1603+50.00, (49.64' Rt.)
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)

BEGIN NEW CONSTRUCTION (EB)
END MILLING & RESURFACING
END WIDENING
STA. 3604+00.67, (0.00' Lt.)
B CONST. I-4 (SR 400) EB-1 =
STA. 1604+00.00, (51.34' Rt.)
B SURVEY I-4 (SR 400)
Q CONST. ULT I-4 (SR 400)

CURVE DATA BLSR400_2
PI STA. = 1570+39.15
Δ = 16° 14' 18" (Rt.)
D = 0° 11' 59"
T = 4,093.26
L = 8,131.64
R = 28,691.90
PC STA. = 1529+45.89
PT STA. = 1610+77.53
e = NC

CURVE DATA BLSR400EB-1_1
PI STA. = 3601+35.41
Δ = 6° 20' 14" (Rt.)
D = 0° 22' 50"
T = 833.47
L = 1,665.25
R = 15,055.83
PC STA. = 3593+01.94
PRC STA. = 3609+67.18
e = NC

LEGEND:



DANIEL F. CHRISTIE, P.E.
P.E. LICENSE NUMBER 64849
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE, STE. 1000
ORLANDO, FL 32803
CERTIFICATE OF AUTHORIZATION 8794

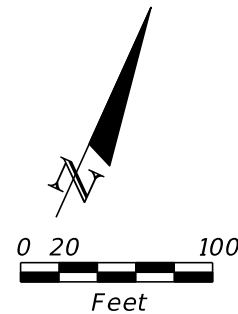
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	POLK	201215-3-52-01

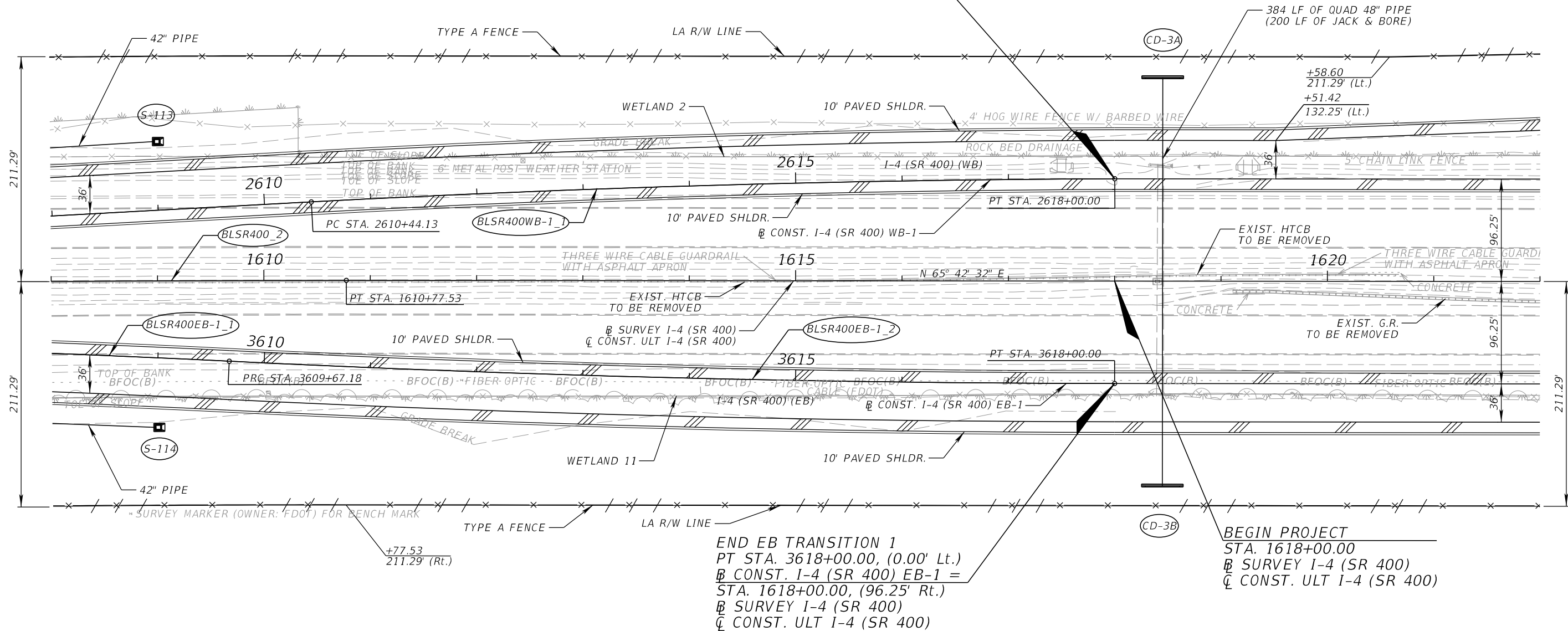
ROADWAY PLAN (2)
I-4 (SR 400)

SHEET
NO.

46



END WB TRANSITION 1
PT STA. 2618+00.00, (0.00' Lt.)
B CONST. I-4 (SR 400) WB-1 =
STA. 1618+00.00, (96.25' Lt.)
B SURVEY I-4 (SR 400)
C CONST. ULT I-4 (SR 400)



CURVE DATA BLSR400WB-1_1
PI STA. = 1570+39.15
Δ = 16° 14' 18" (Rt.)
D = 0° 11' 59"
T = 4,093.26
L = 8,131.64
R = 28,691.90
PC STA. = 1529+45.89
PT STA. = 1610+77.53
e = NC

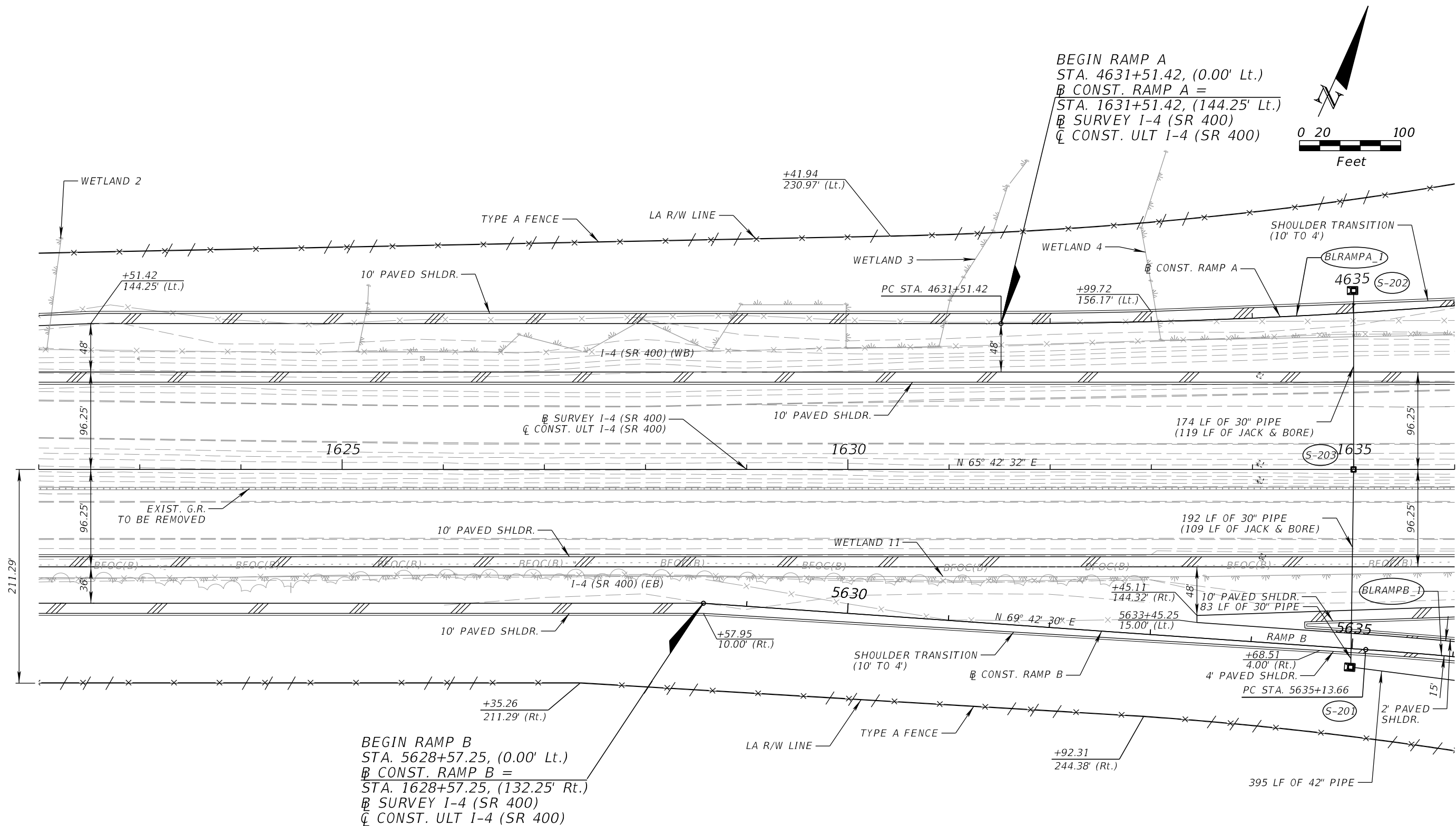
CURVE DATA BLSR400EB-1_1
PI STA. = 3601+35.41
Δ = 6° 20' 14" (Rt.)
D = 0° 20' 50"
T = 833.47
L = 1,665.25
R = 15,055.83
PC STA. = 3593+01.94
PT STA. = 3609+67.18
e = NC

CURVE DATA BLSR400EB-1_2
PI STA. = 3613+83.67
Δ = 2° 46' 34" (Lt.)
D = 0° 20' 00"
T = 416.49
L = 832.82
R = 17,188.73
PRC STA. = 3609+67.18
PT STA. = 3618+00.00
e = NC

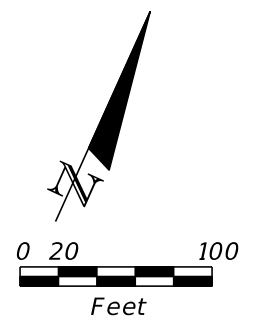
CURVE DATA BLSR400WB-1_2
PI STA. = 2614+22.14
Δ = 2° 52' 35" (Rt.)
D = 0° 22' 50"
T = 378.02
L = 755.87
R = 15,055.83
PC STA. = 2610+44.13
PT STA. = 2618+00.00
e = NC

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (3) I-4 (SR 400)	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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BEGIN RAMP A
STA. 4631+51.42, (0.00' Lt.)
B CONST. RAMP A =
STA. 1631+51.42, (144.25' Lt.)
B SURVEY I-4 (SR 400)
C CONST. ULT I-4 (SR 400)

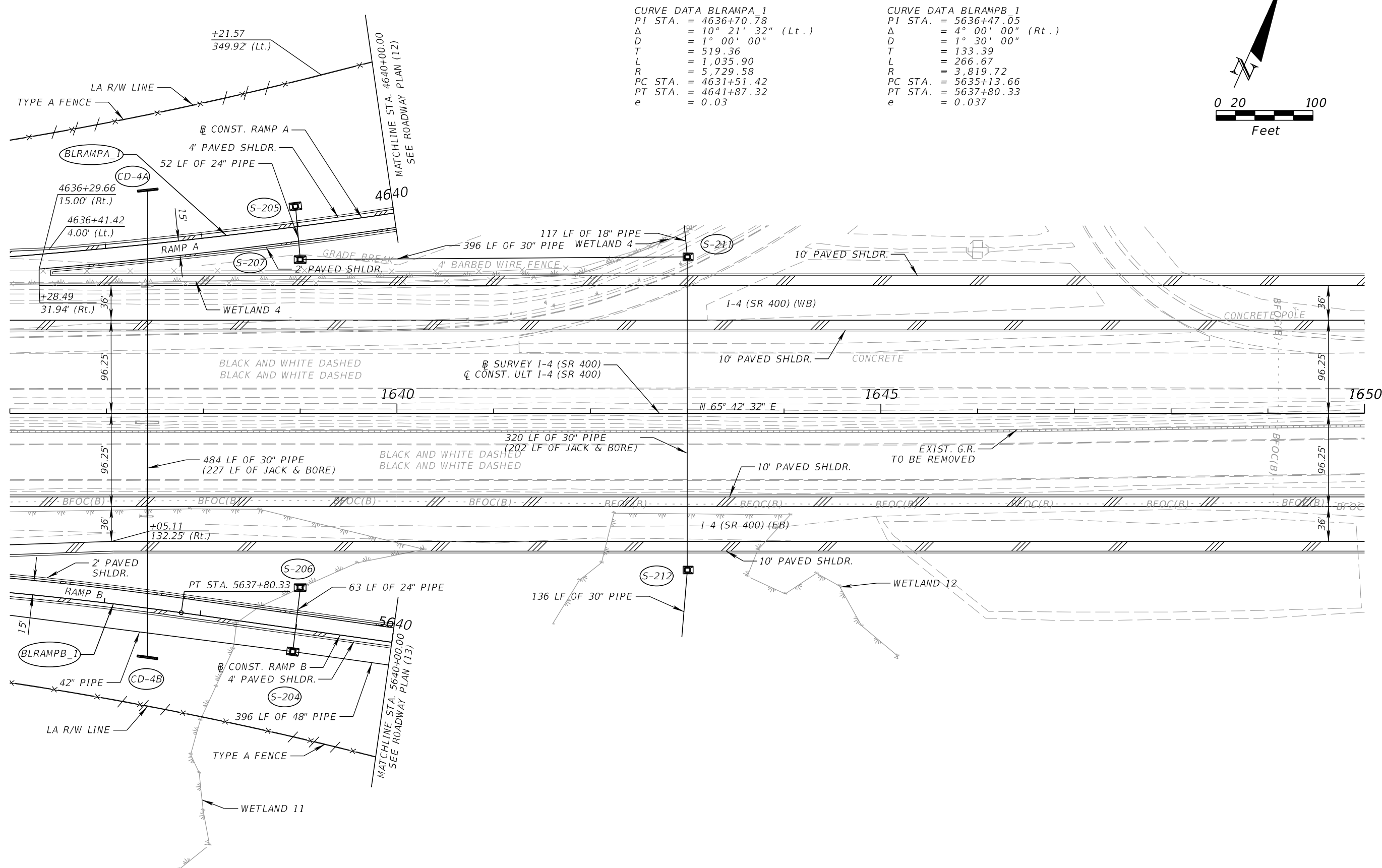


BEGIN RAMP B
STA. 5628+57.25, (0.00' Lt.)
B CONST. RAMP B =
STA. 1628+57.25, (132.25' Rt.)
B SURVEY I-4 (SR 400)
C CONST. ULT I-4 (SR 400)

CURVE DATA BLRAMPA 1				CURVE DATA BLRAMPB 1			
PI STA.	=	4636+70.78		PI STA.	=	5636+47.05	
Δ	=	10° 21' 32"	(Lt.)	Δ	=	4° 00' 00"	(Rt.)
D	=	1° 00' 00"		D	=	1° 30' 00"	
T	=	519.36		T	=	133.39	
L	=	1,035.90		L	=	266.67	
R	=	5,729.58		R	=	3,819.72	
PC STA.	=	4631+51.42		PC STA.	=	5635+13.66	
PT STA.	=	4641+87.32		PT STA.	=	5637+80.33	
e	=	0.03		e	=	0.037	

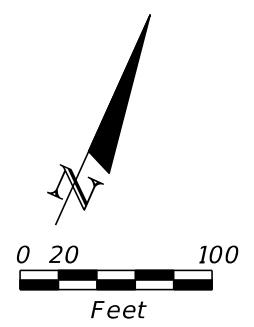
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (4) I-4 (SR 400)		SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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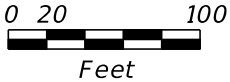
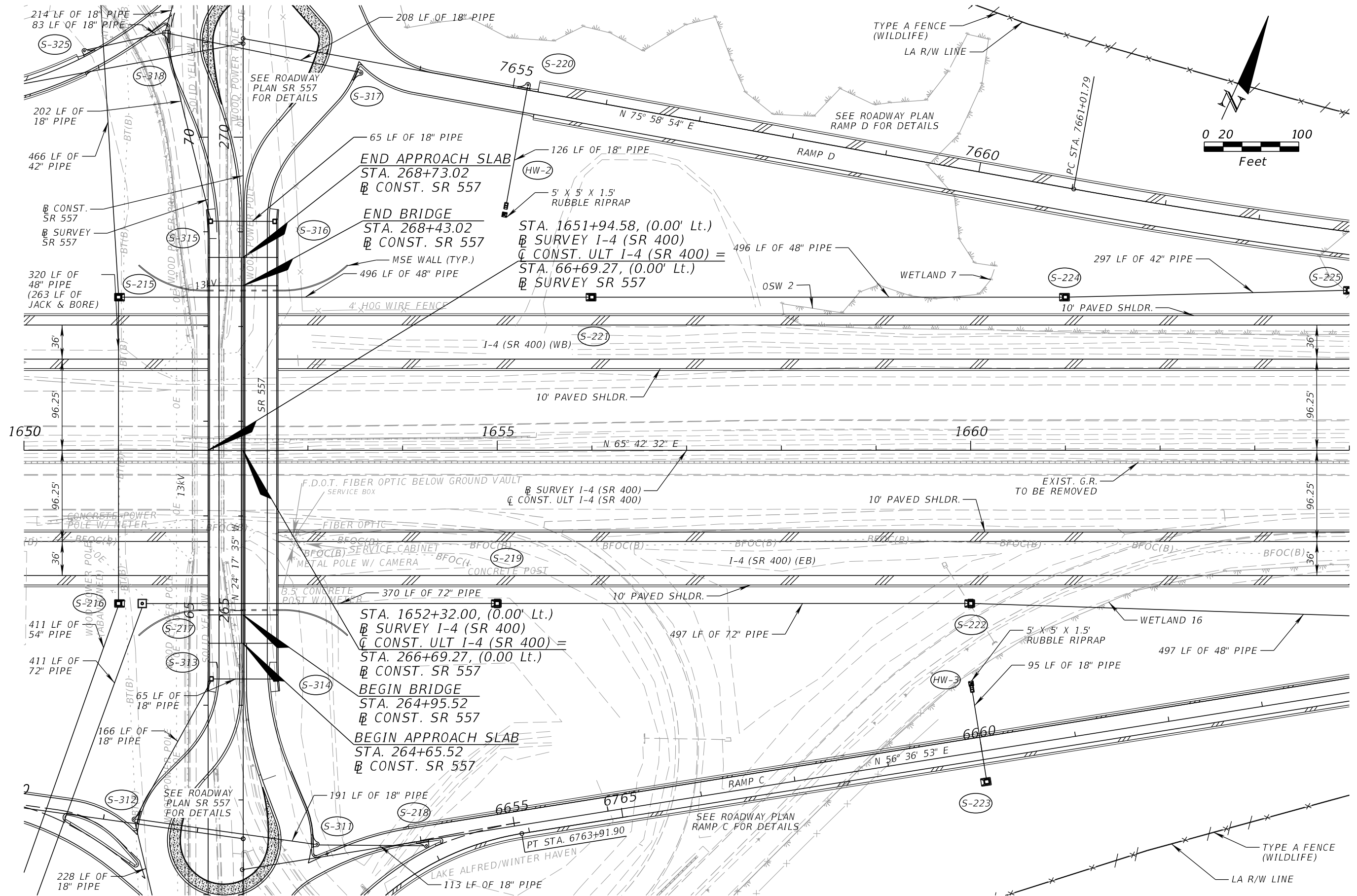
CURVE DATA BLRAMPB_1
PI STA. = 4636+70.78
Δ = 10° 21' 32" (Lt.)
D = 1° 00' 00"
T = 519.36
L = 1,035.90
R = 5,729.58
PC STA. = 4631+51.42
PT STA. = 4641+87.32
e = 0.03

CURVE DATA BLRAMPB_1
PI STA. = 5636+47.05
Δ = 4° 00' 00" (Rt.)
D = 1° 30' 00"
T = 133.39
L = 266.67
R = 3,819.72
PC STA. = 5635+13.66
PT STA. = 5637+80.33
e = 0.037

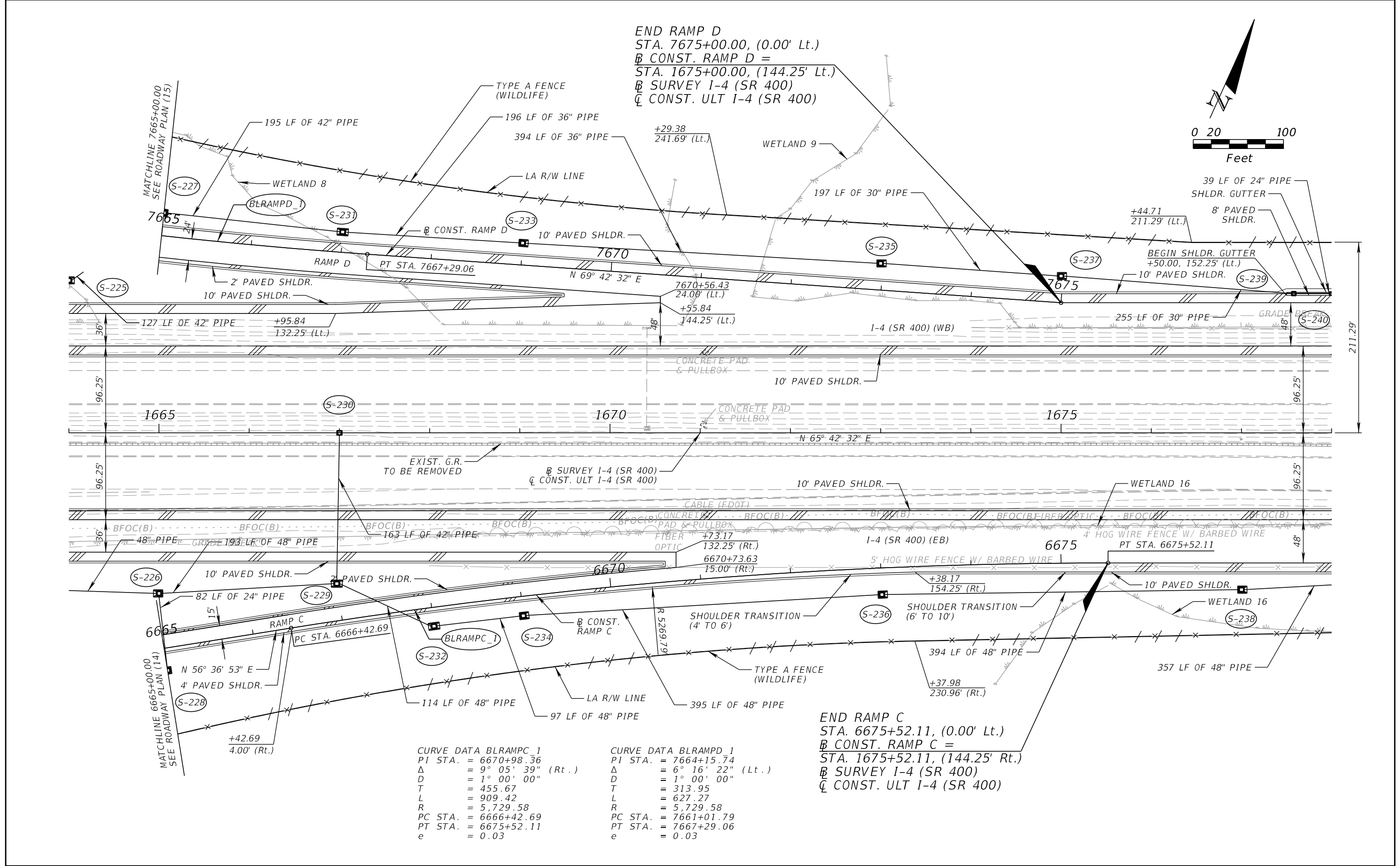


REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (5) I-4 (SR 400)		SHEET NO. 49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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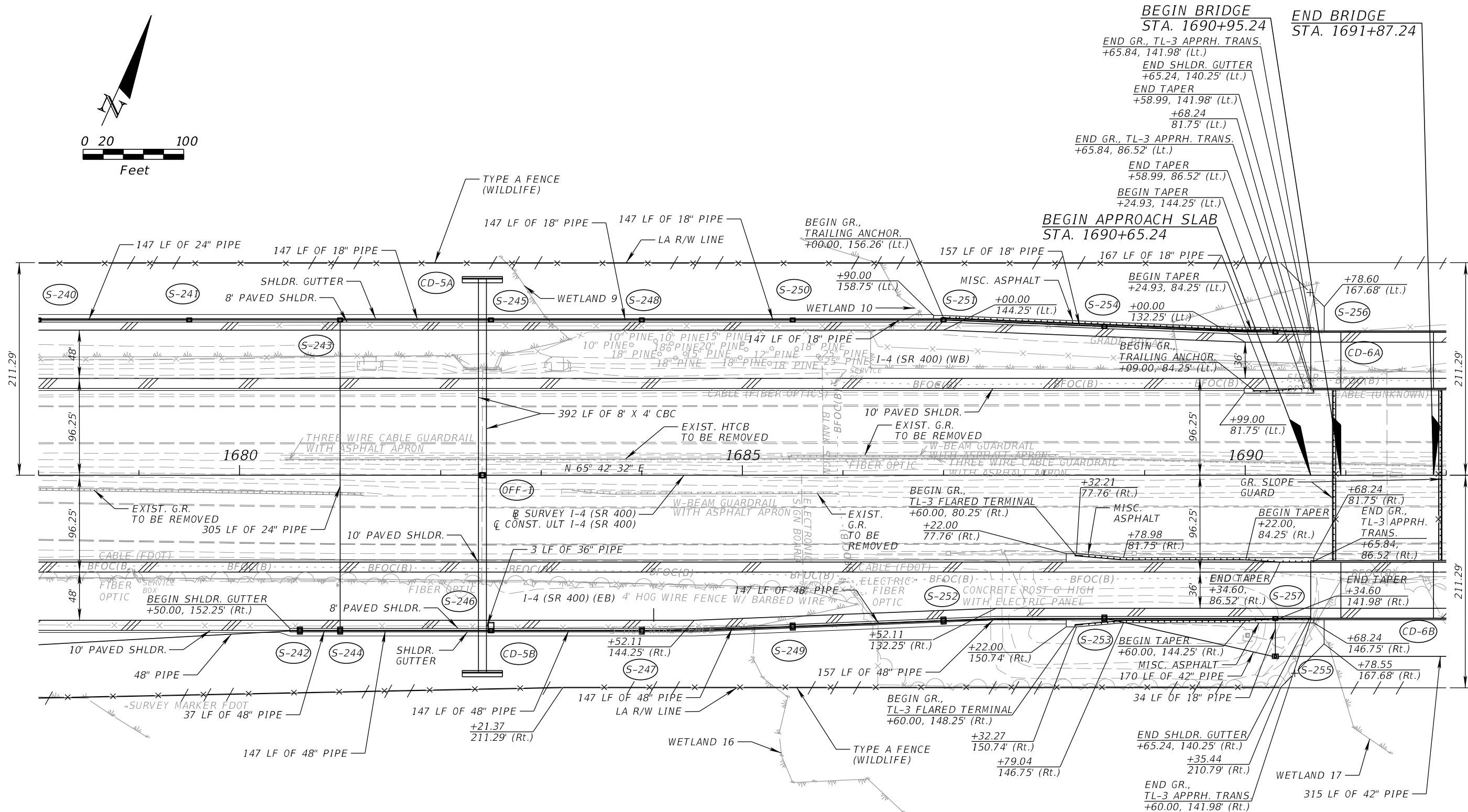
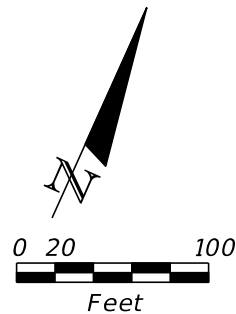


REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (6) I-4 (SR 400)	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



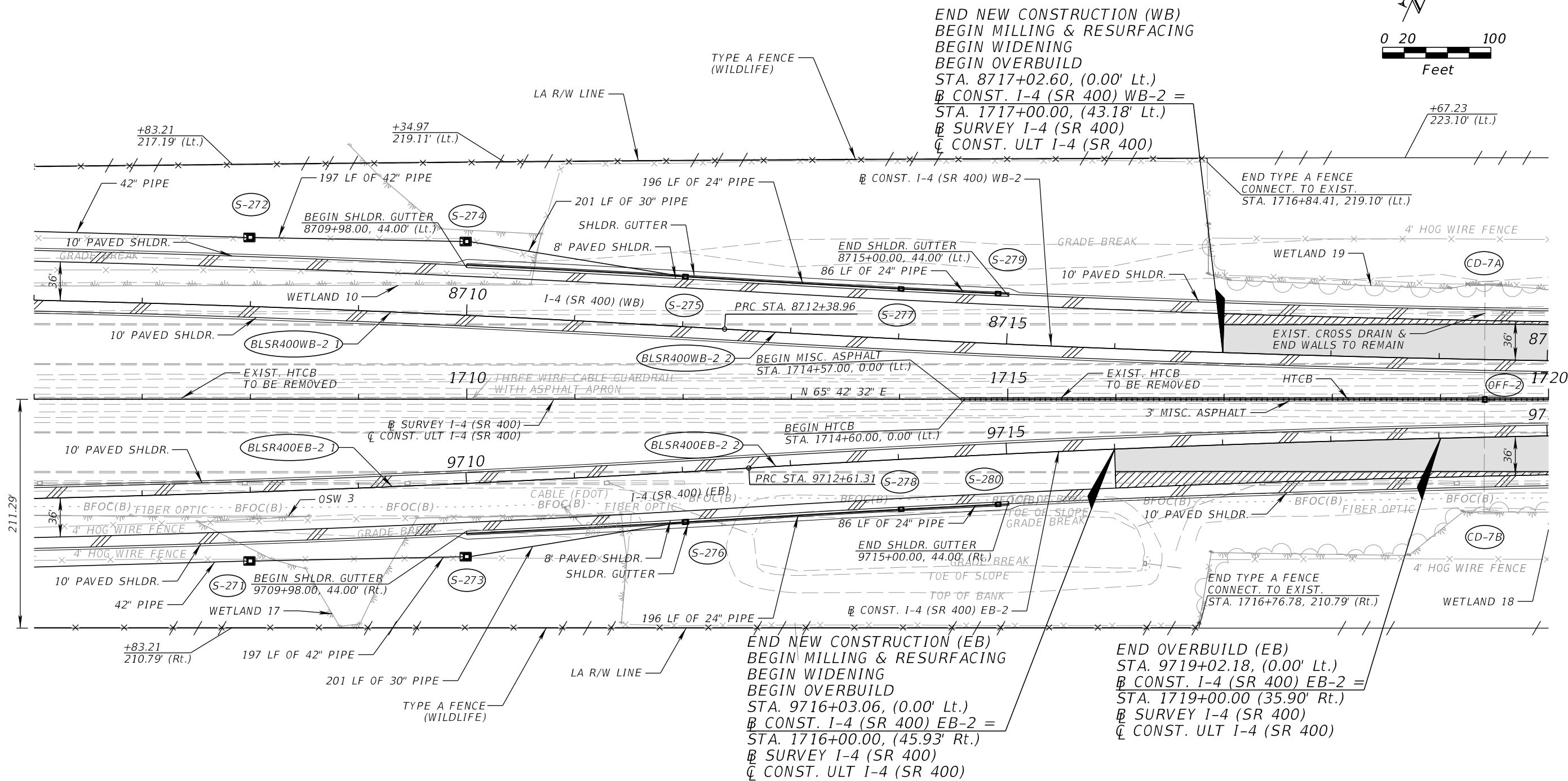
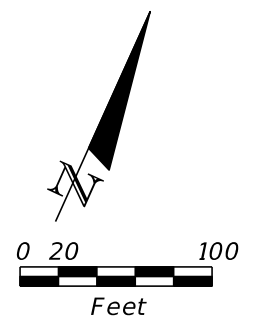
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (7) I-4 (SR 400)	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (8) I-4 (SR 400)	SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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LEGEND:

MILLING & RESURFACING

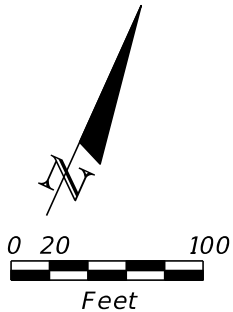
WIDENING

CURVE DATA BLSR400WB-2_1	CURVE DATA BLSR400WB-2_1	CURVE DATA BLSR400EB-2_2	CURVE DATA BLSR400WB-2_2
PI STA. = 9707+30.83	PI STA. = 8707+19.64	PI STA. = 9717+31.45	PI STA. = 8717+20.24
Δ = 3° 32' 16" (Lt.)	Δ = 3° 27' 48" (Rt.)	Δ = 3° 08' 00" (Rt.)	Δ = 3° 12' 28" (Lt.)
D = 0° 20' 00"	D = 0° 20' 00"	D = 0° 20' 00"	D = 0° 20' 00"
T = 530.83	T = 519.64	T = 470.13	T = 481.28
L = 1,061.31	L = 1,038.96	L = 940.03	L = 962.30
R = 17,188.73	R = 17,188.73	R = 17,188.71	R = 17,188.73
PC STA. = 9702+00.00	PC STA. = 8702+00.00	PRC STA. = 9712+61.31	PRC STA. = 8712+38.96
PRC STA. = 9712+61.31	PRC STA. = 8712+38.96	PT STA. = 9722+01.35	PT STA. = 8722+01.26
e = NC	e = NC	e = NC	e = NC

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (10) I-4 (SR 400)	SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

zfincher 3/1/2019 2:42:58 PM S:\50073816_I-4_SR 557\20121535201\roadway\PLANRD10.dgn

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

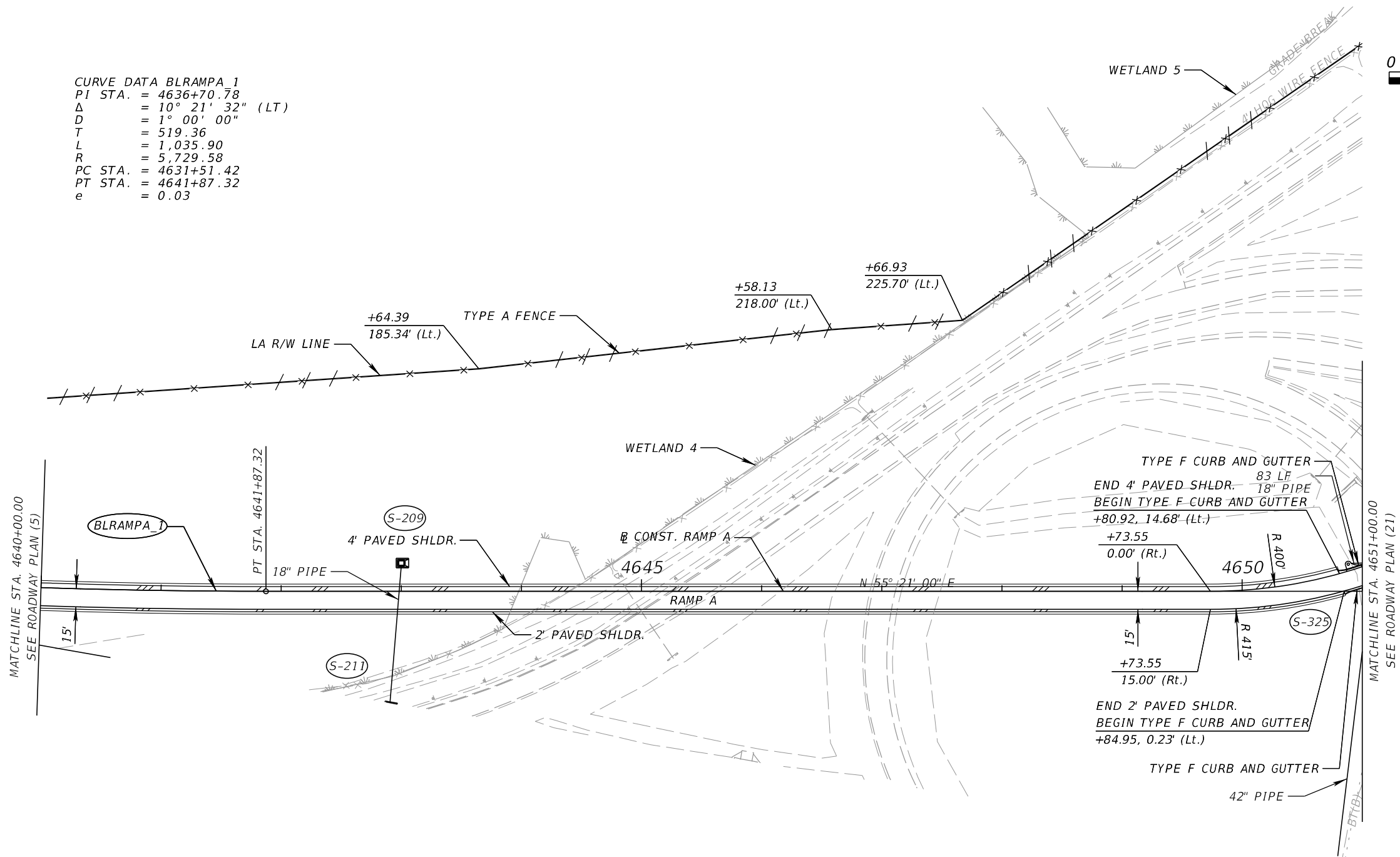
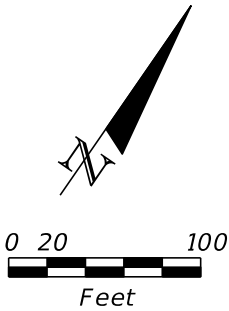


CURVE DATA BLSR400WB-2_2
 PI STA. = 8717+20.24
 Δ = 3° 12' 28" (Lt.)
 D = 0° 20' 00"
 T = 481.28
 L = 962.30
 R = 17,188.73
 PRC STA. = 8712+38.96
 PT STA. = 8722+01.26
 e = NC

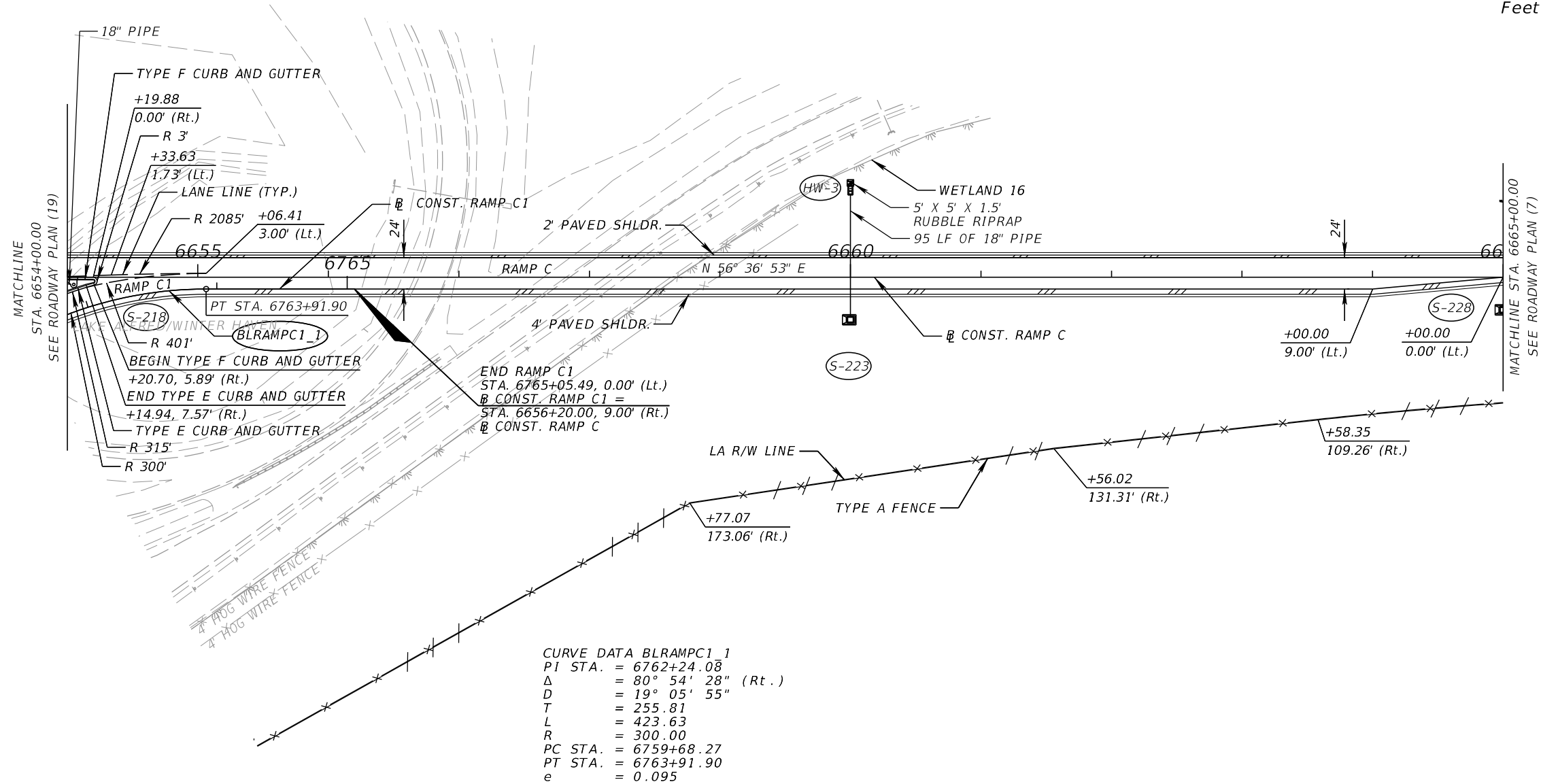
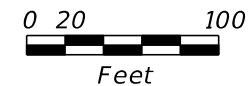
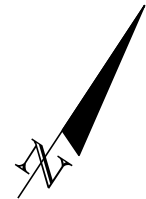
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (11) I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		55
					SR 400	POLK	201215-3-52-01		

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CURVE DATA BLRAMP A 1
PI STA. = 4636+70.78
Δ = 10° 21' 32" (LT)
D = 1° 00' 00"
T = 519.36
L = 1,035.90
R = 5,729.58
PC STA. = 4631+51.42
PT STA. = 4641+87.32
e = 0.03



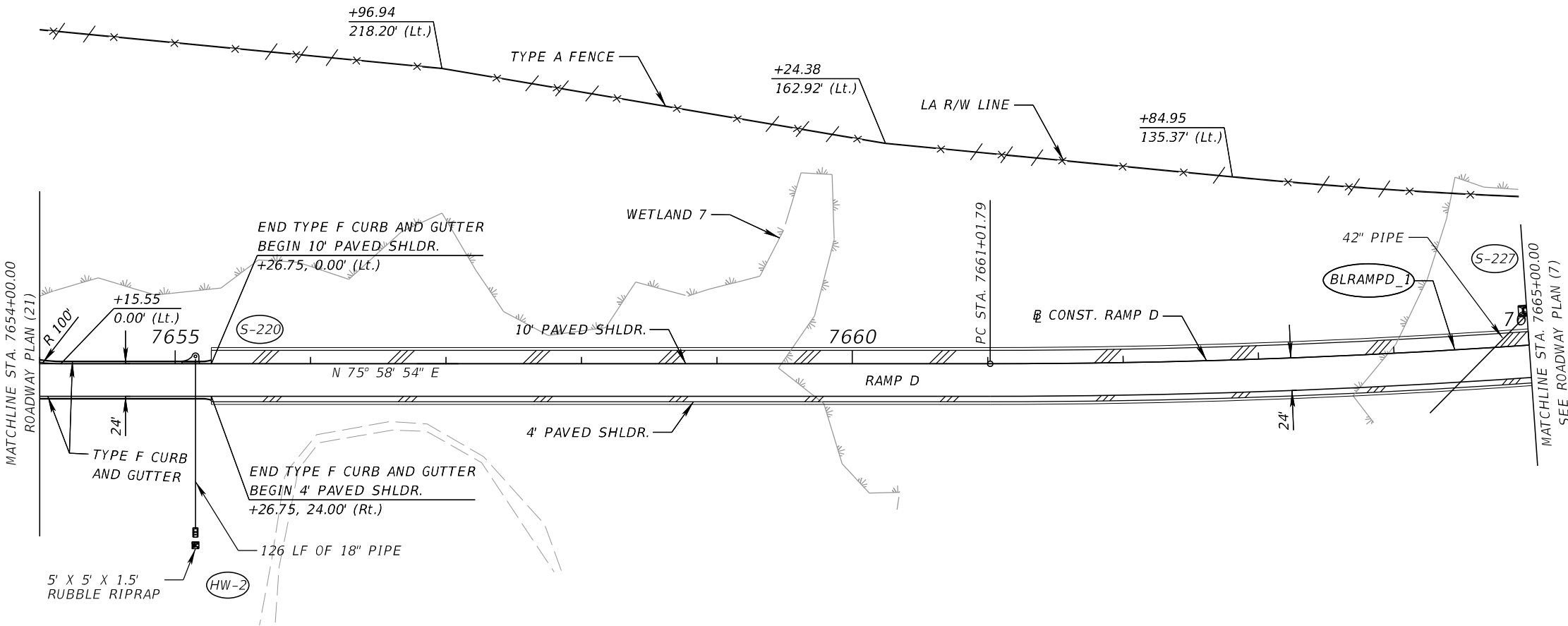
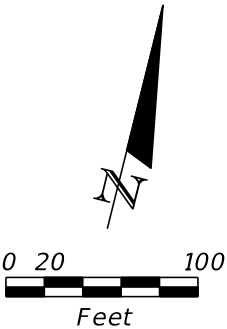
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (12) RAMP A		SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			



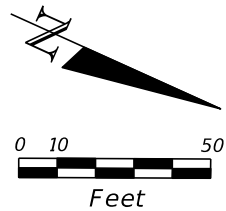
CURVE DATA BLRAMP C1
PI STA. = 6762+24.08
 Δ = 80° 54' 28" (Rt.)
D = 19° 05' 55"
T = 255.81
L = 423.63
R = 300.00
PC STA. = 6759+68.27
PT STA. = 6763+91.90
e = 0.095

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (14) RAMP C		SHEET NO. 58
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

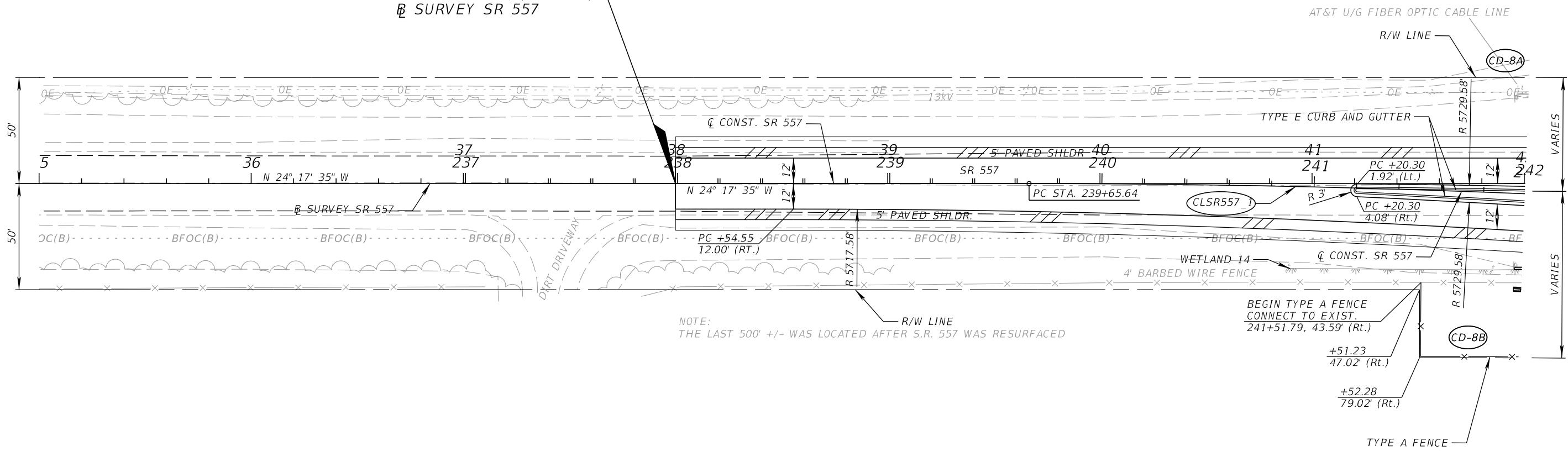
CURVE DATA BLRAMPD_1
PI STA. = 7664+15.74
 Δ = 6° 16' 22" (LT)
D = 1° 00' 00"
T = 313.95
L = 627.27
R = 5,729.58
PC STA. = 7661+01.79
PT STA. = 7667+29.06
e = 0.03



REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (15) RAMP D	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		59
					SR 400	POLK	201215-3-52-01		



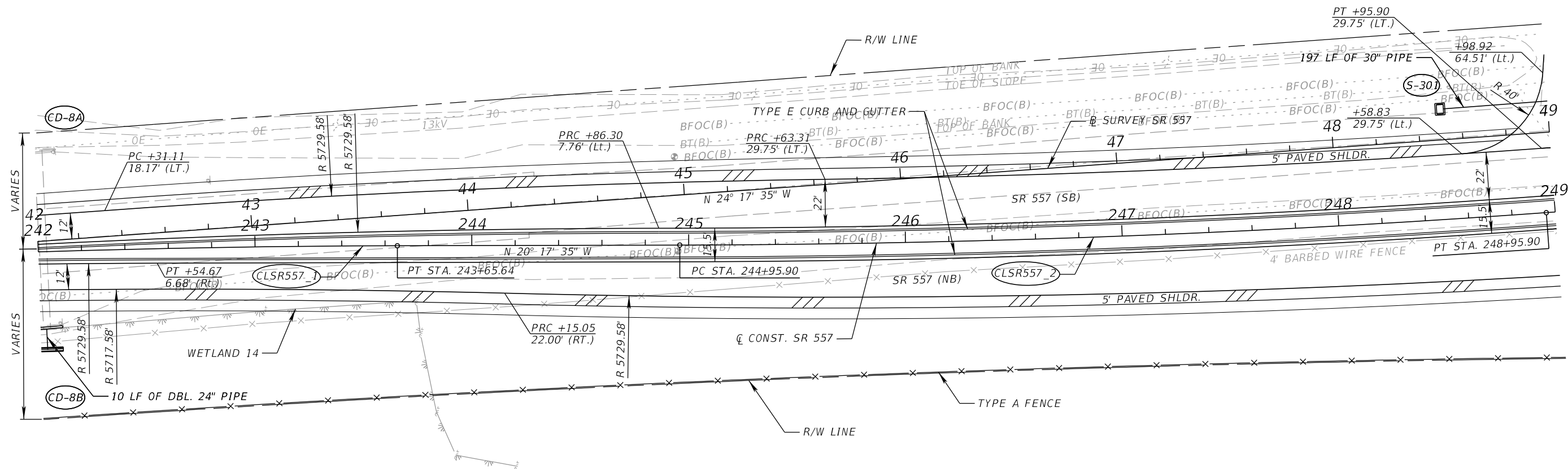
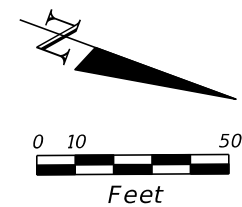
BEGIN CONSTRUCTION
STA. 237+99.03, (0.00' Lt.)
CL CONST. SR 557
STA. 38+00.00, (0.00' Lt.)
BL SURVEY SR 557



CURVE DATA CLSR557 1
PI STA. = 241+65.72
Δ = 4° 00' 00" (Rt.)
D = 1° 00' 00"
T = 200.08
L = 400.00
R = 5,729.58
PC STA. = 239+65.64
PT STA. = 243+65.64
e = NC

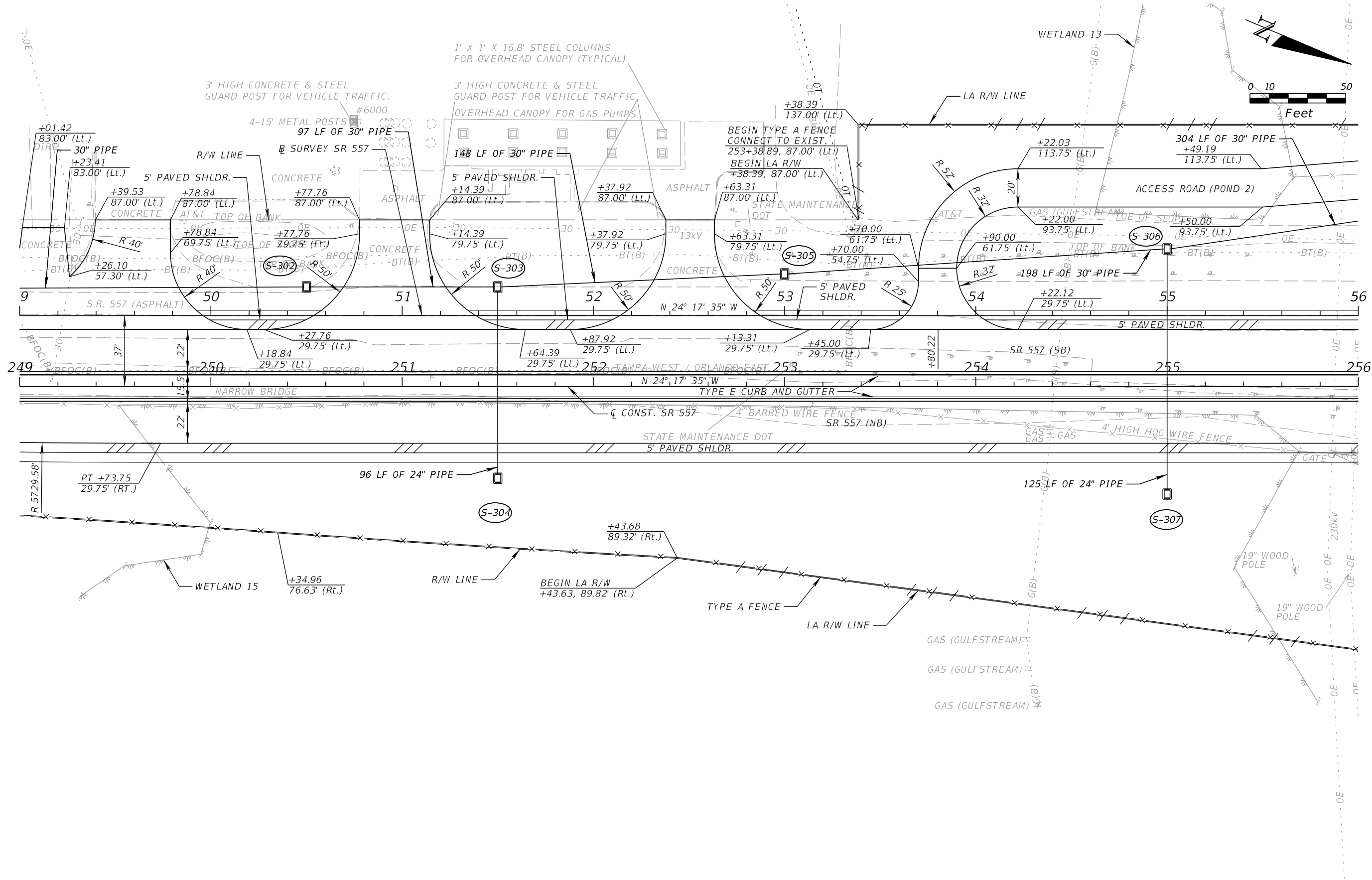
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (16) SR 557	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		60
					SR 400	POLK	201215-3-52-01		

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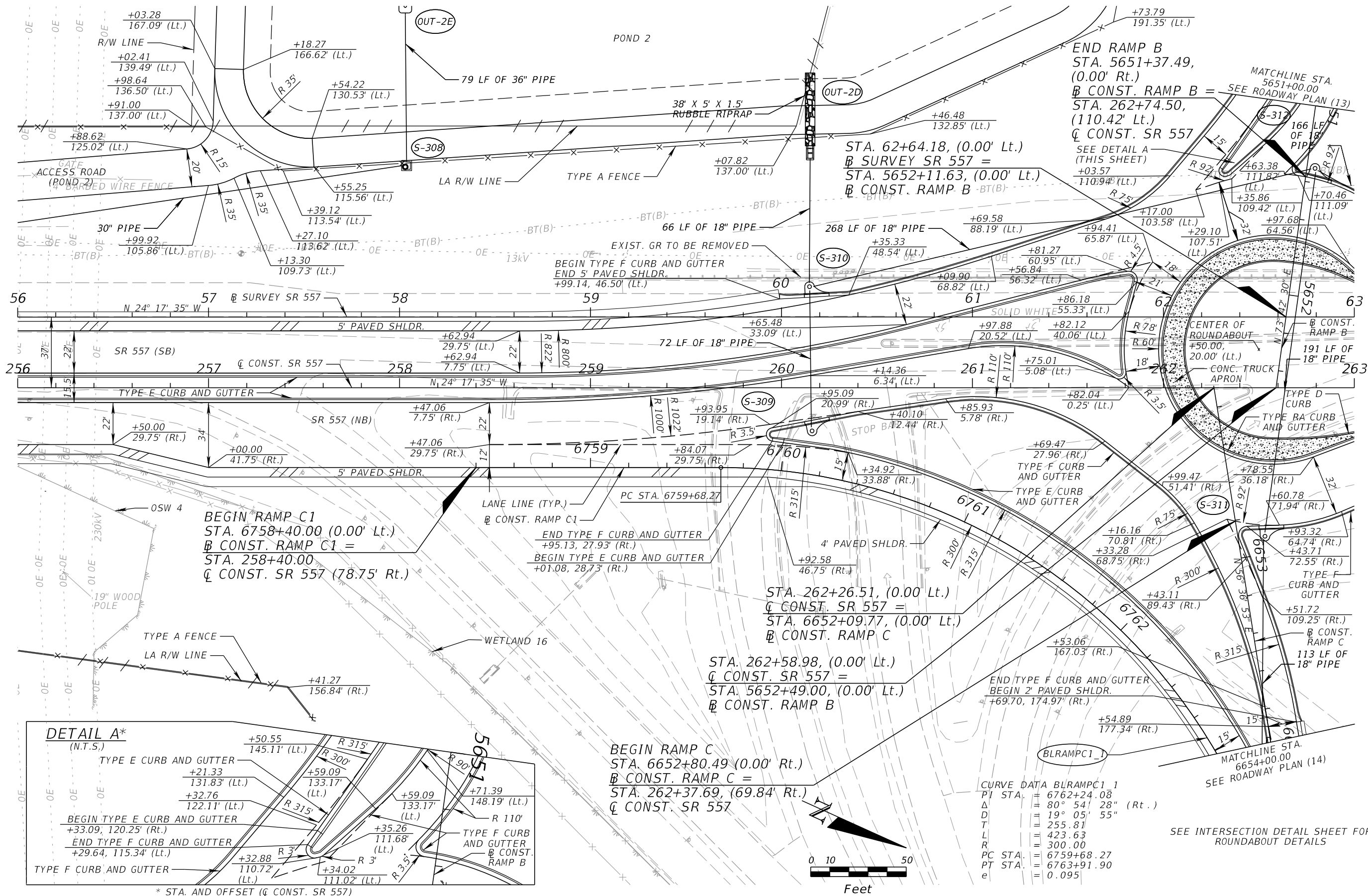


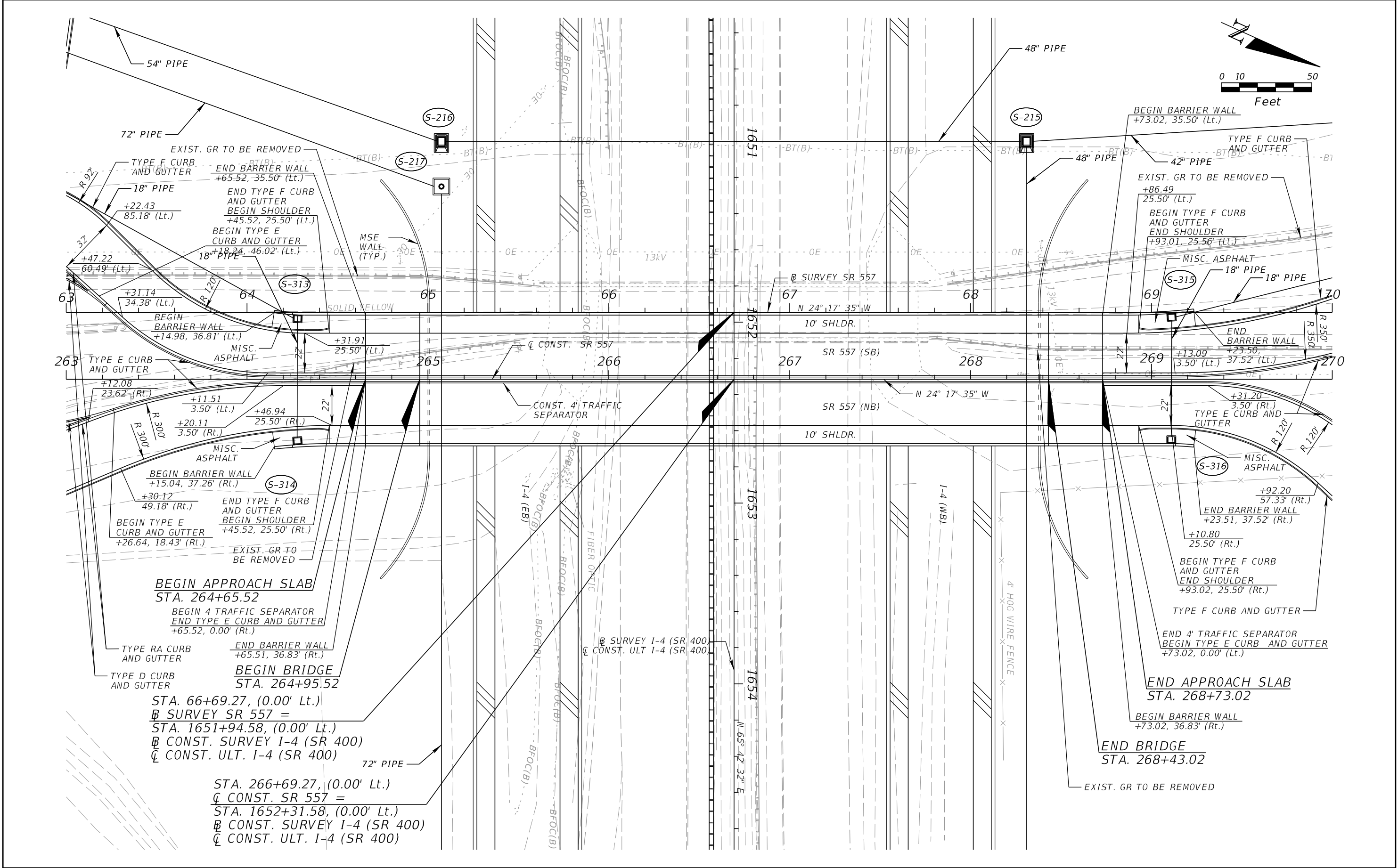
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D	=	1° 00' 00"		D	=	1° 00' 00"	
T	=	200.08		T	=	200.08	
L	=	400.00		L	=	400.00	
R	=	5,729.58		R	=	5,729.58	
PC STA.	=	239+65.64		PC STA.	=	244+95.90	
PT STA.	=	243+65.64		PT STA.	=	248+95.90	
e	=	NC		e	=	NC	

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (17) SR 557	SHEET NO. 61
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



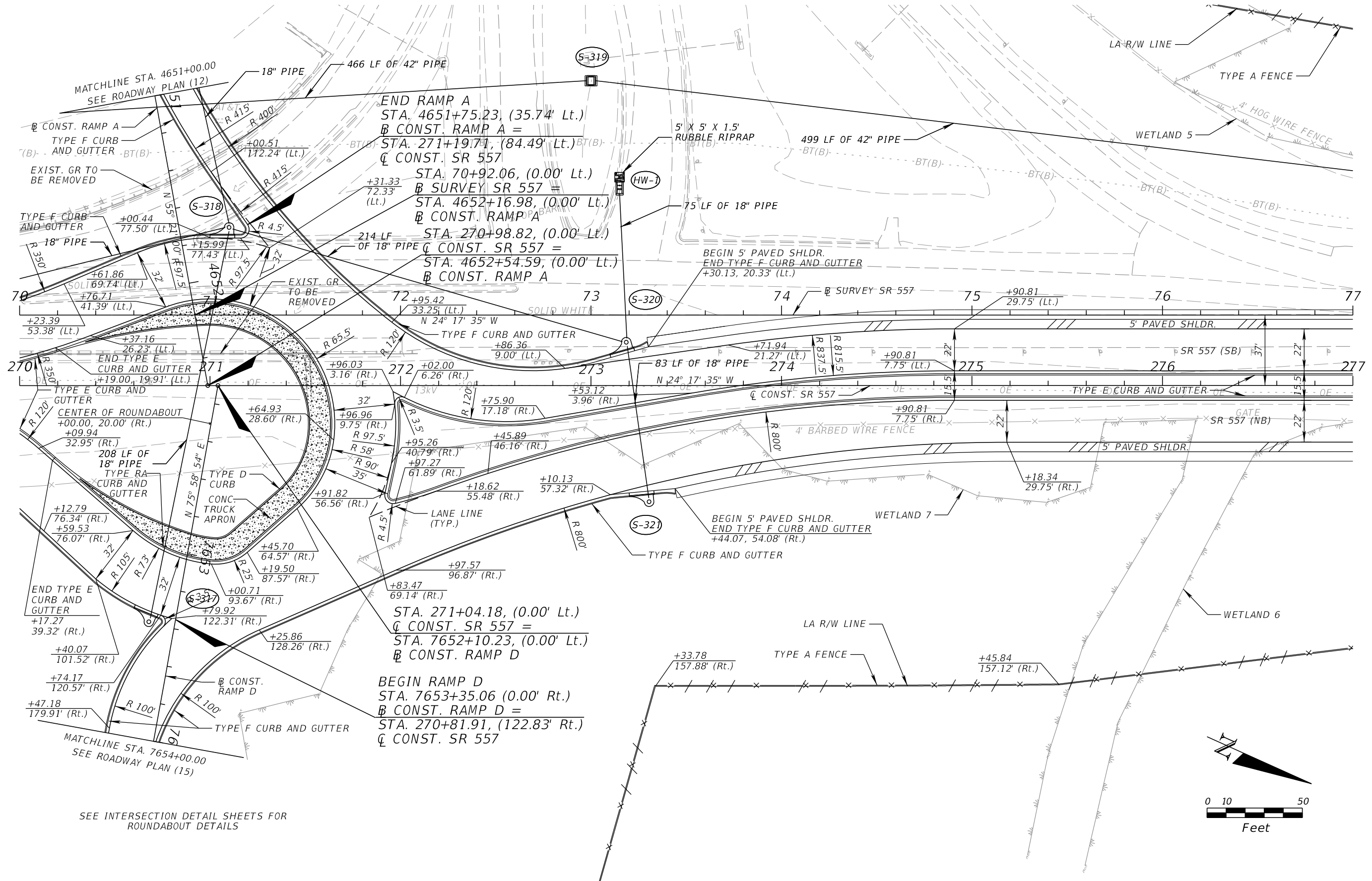
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (18) SR 557	SHEET NO. 62
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



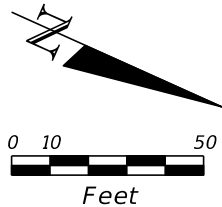


REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (20) SR 557		SHEET NO. 64
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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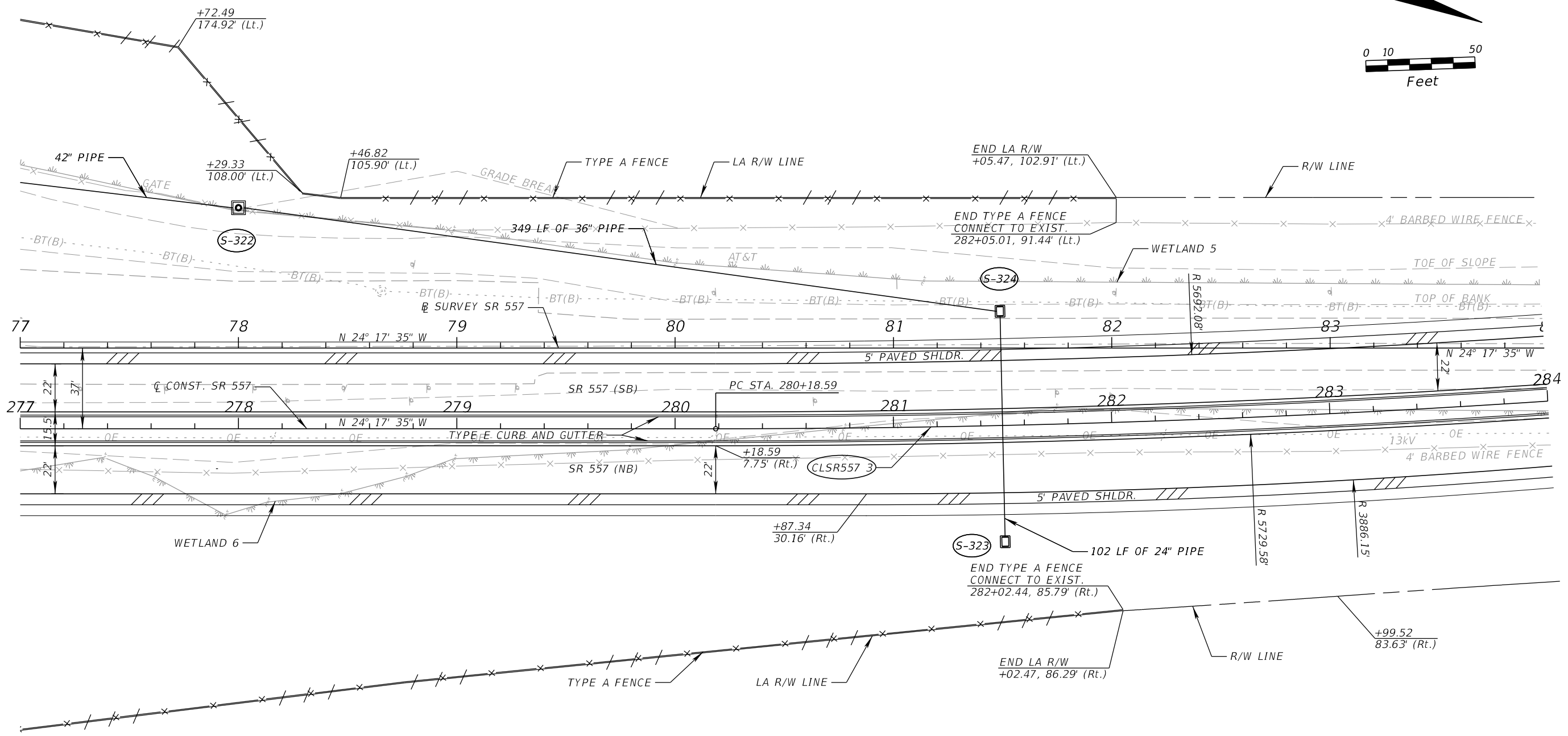
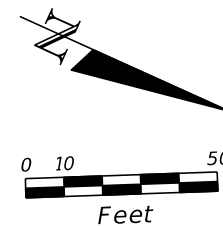
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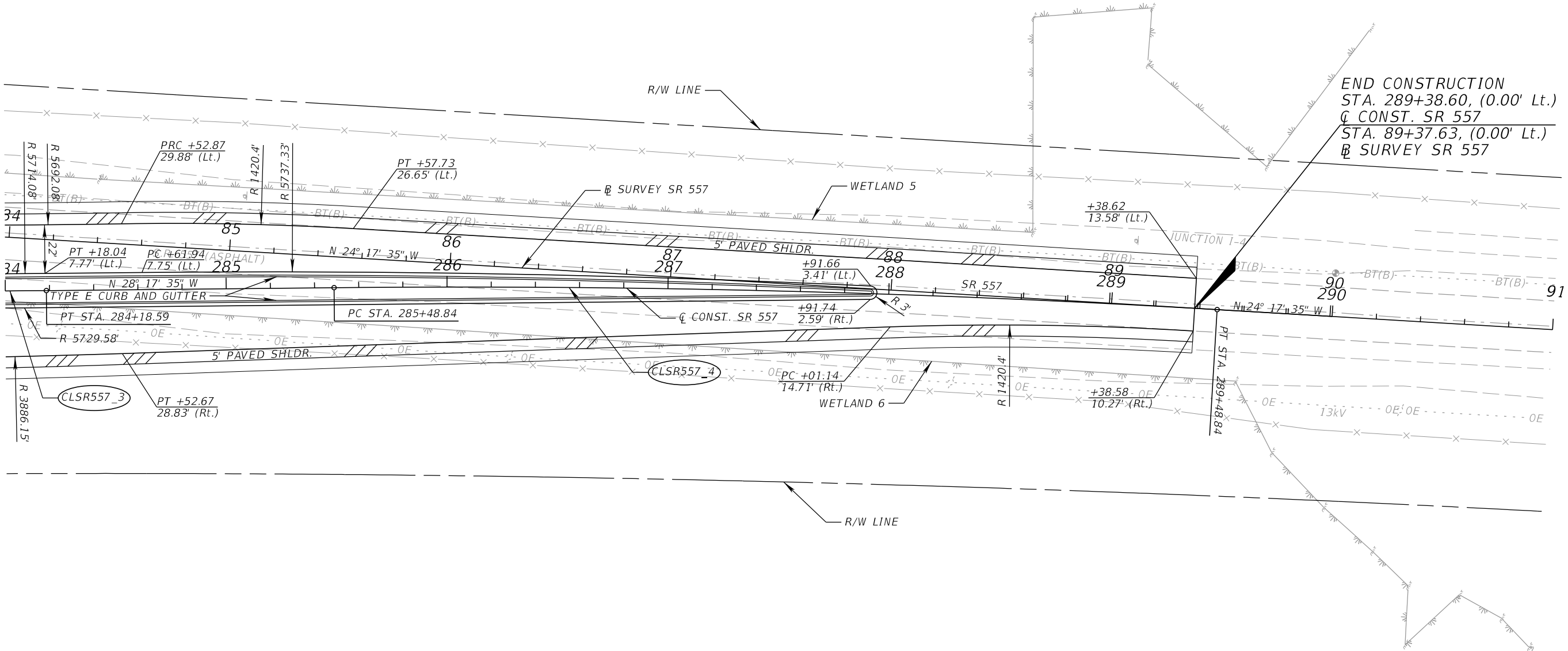
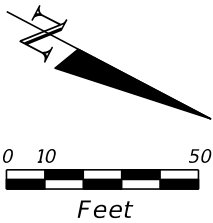
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



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L = 400.00
R = 5,729.58
PC STA. = 280+18.59
PT STA. = 284+18.59
e = NC

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (22) SR 557		SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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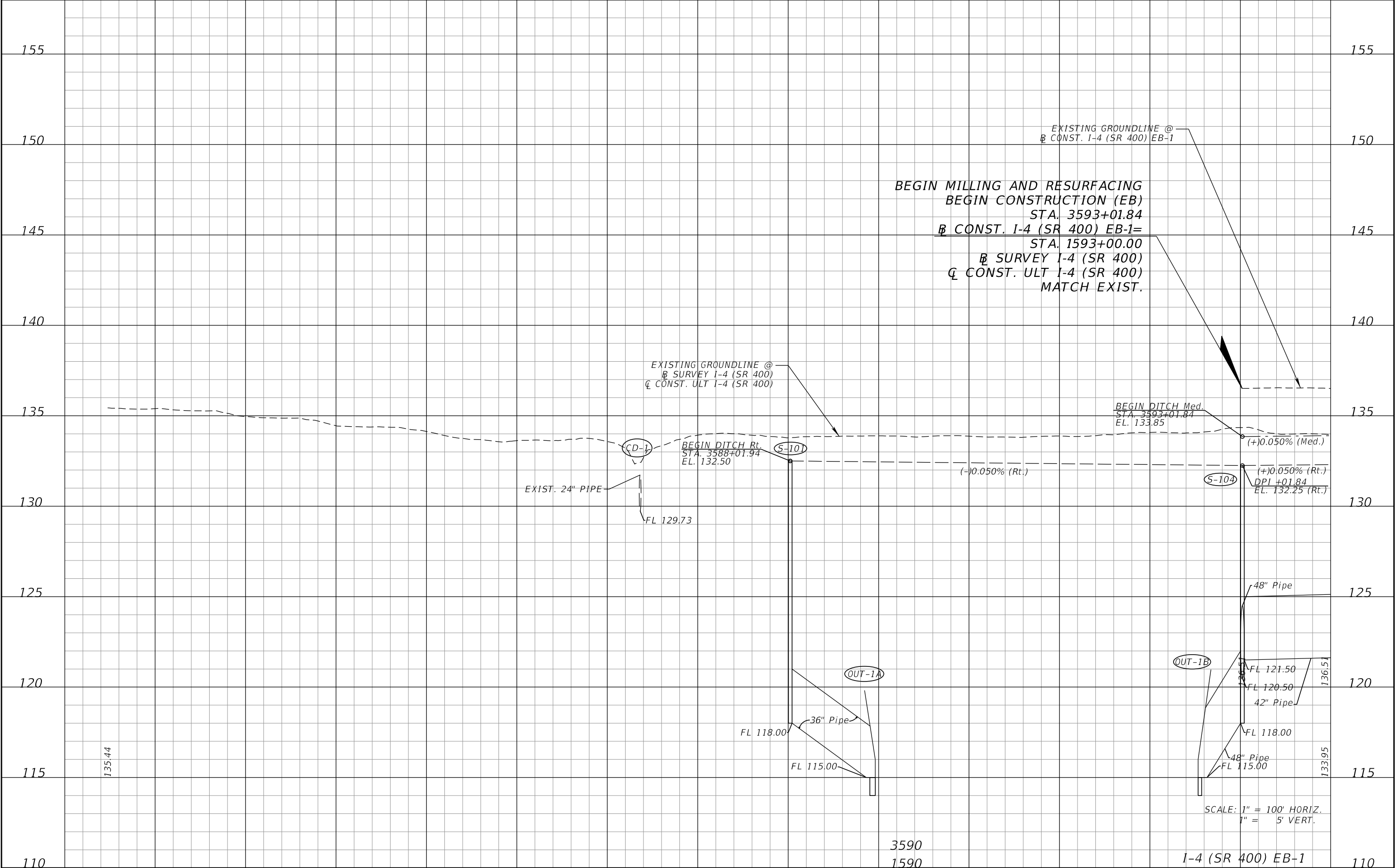
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CURVE DATA CLSR557_3				CURVE DATA CLSR557_4			
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T	= 200.08			T	= 200.08		
L	= 400.00			L	= 400.00		
R	= 5,729.58			R	= 5,729.58		
PC STA.	= 280+18.59			PC STA.	= 285+48.84		
PT STA.	= 284+18.59			PT STA.	= 289+48.84		
e	= NC			e	= NC		

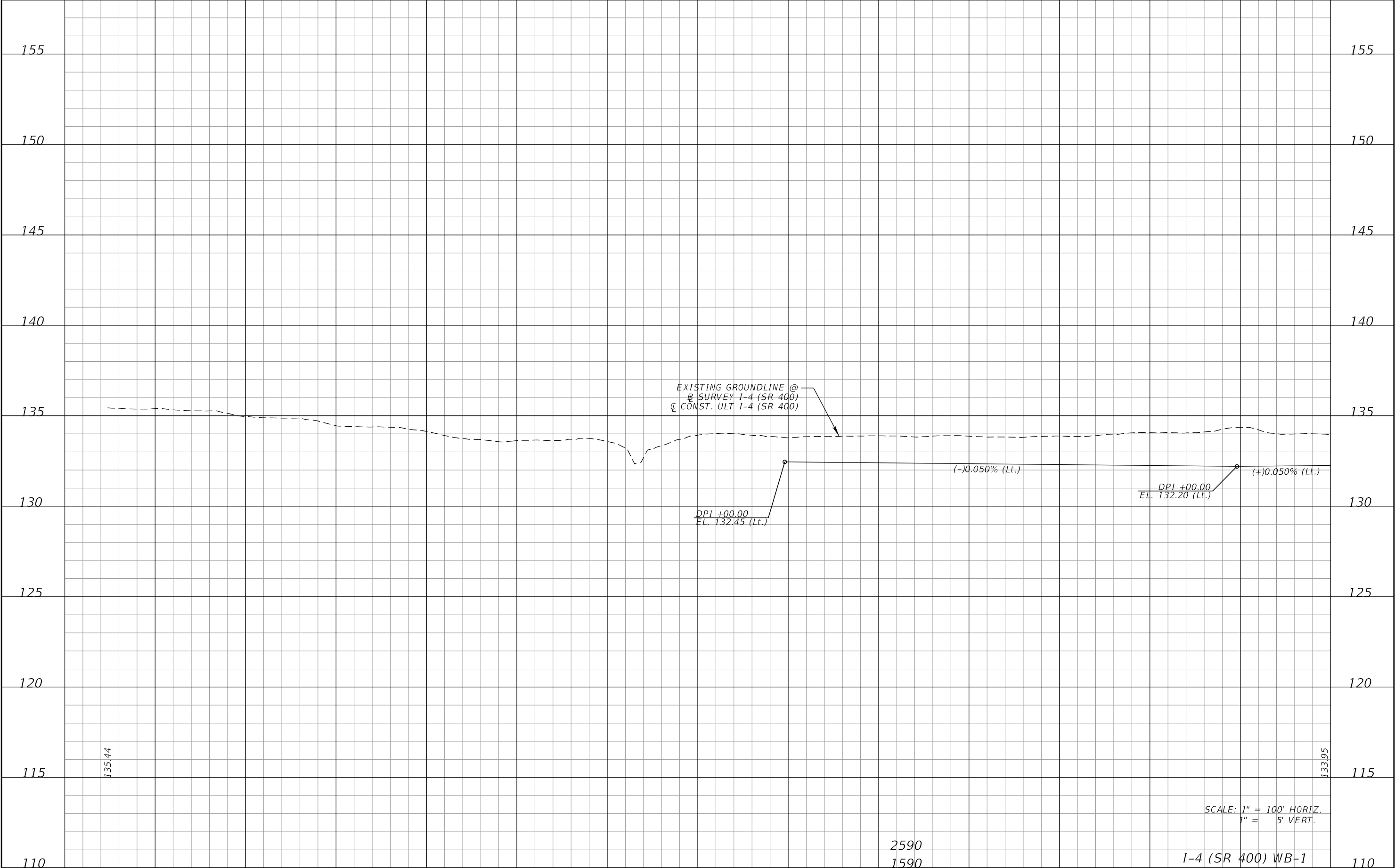
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (23) SR 557	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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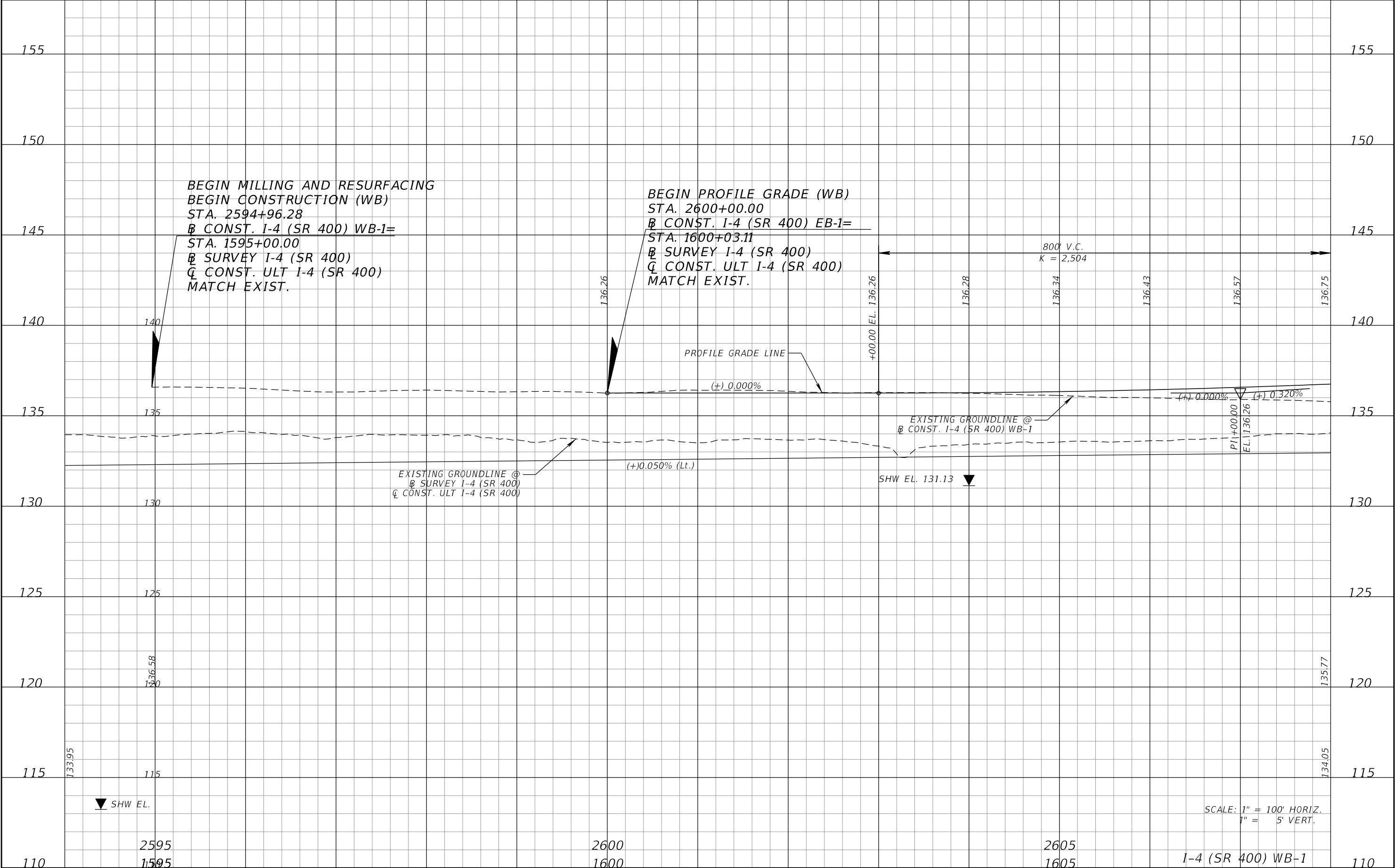
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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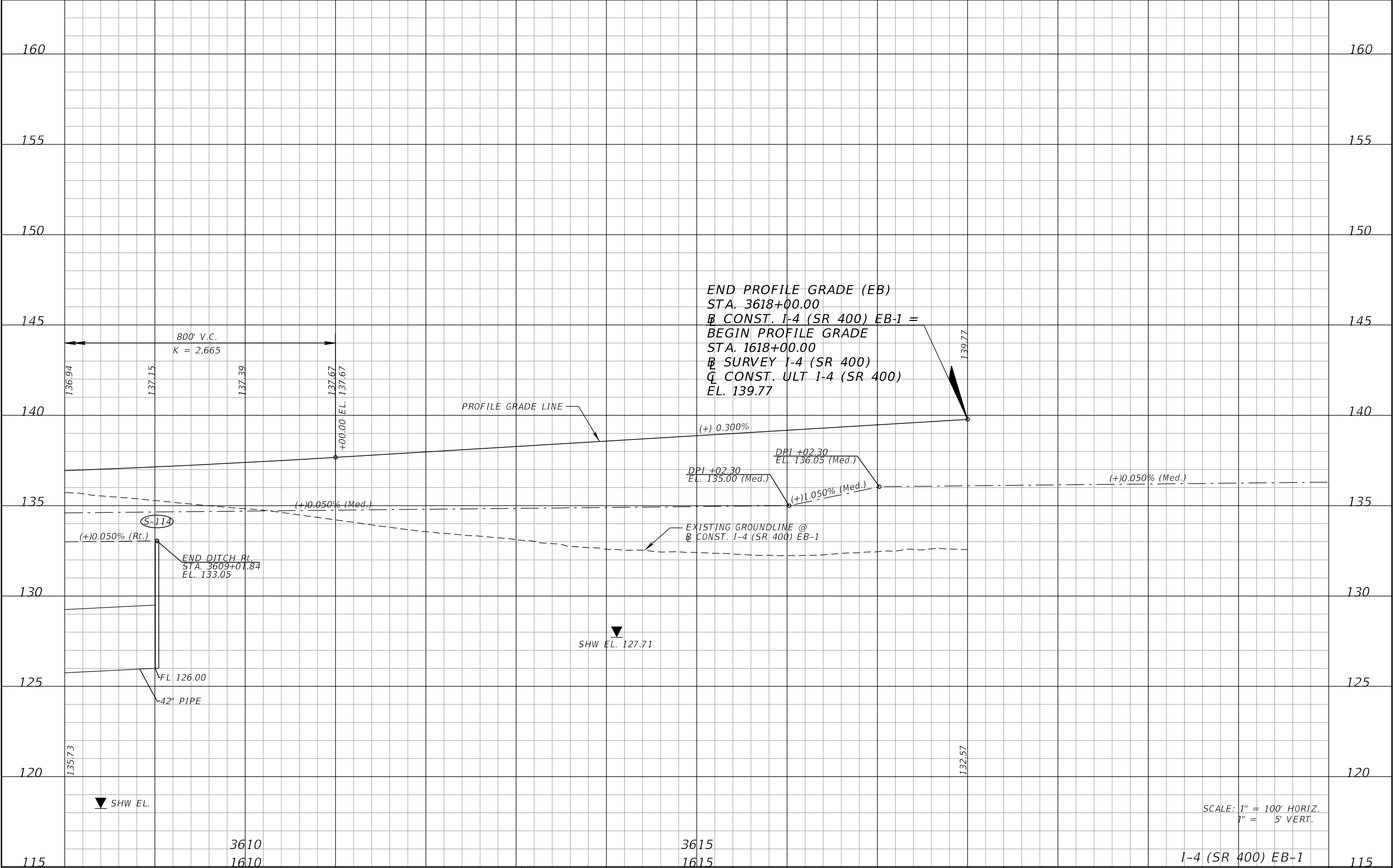
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DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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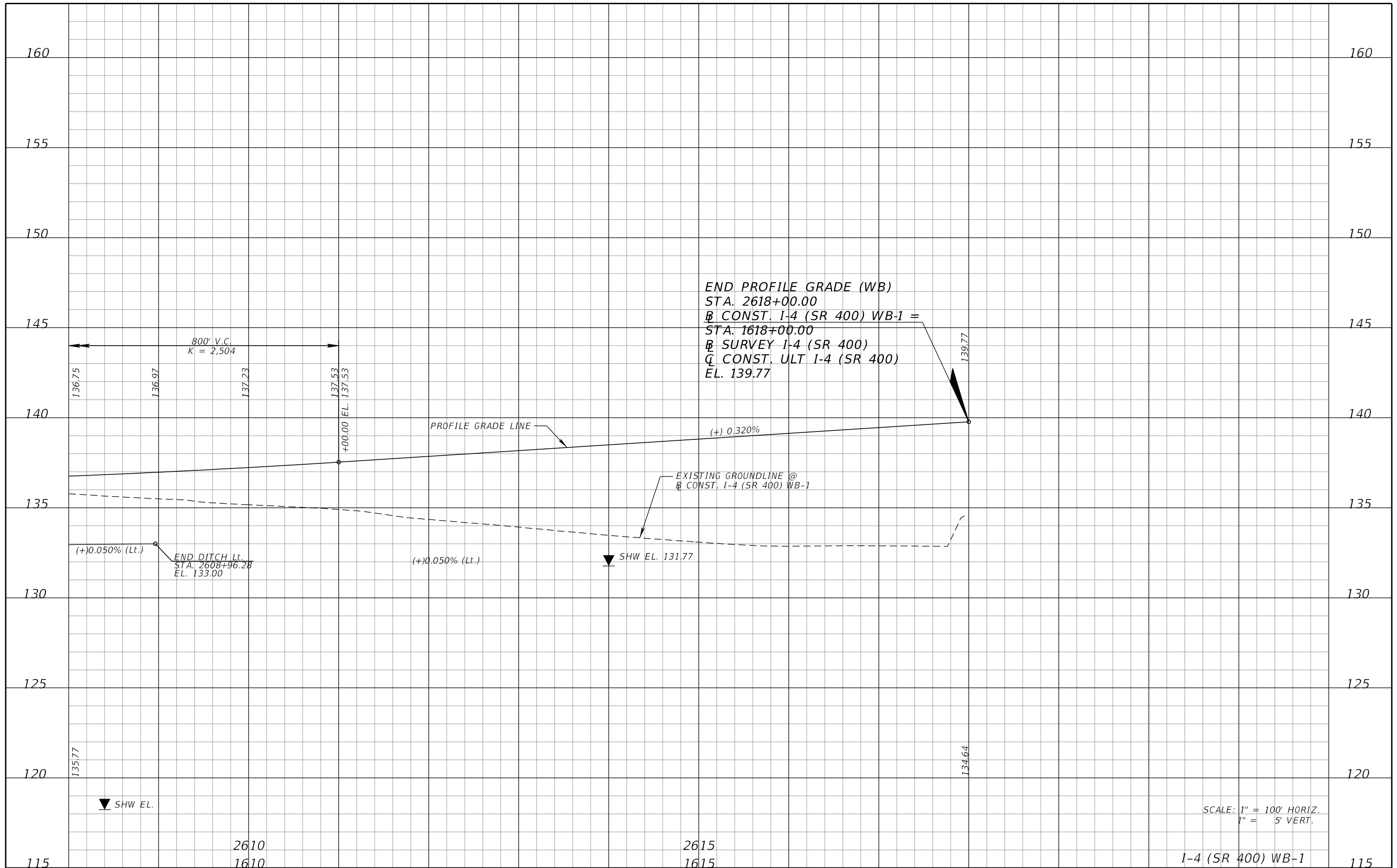
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		71
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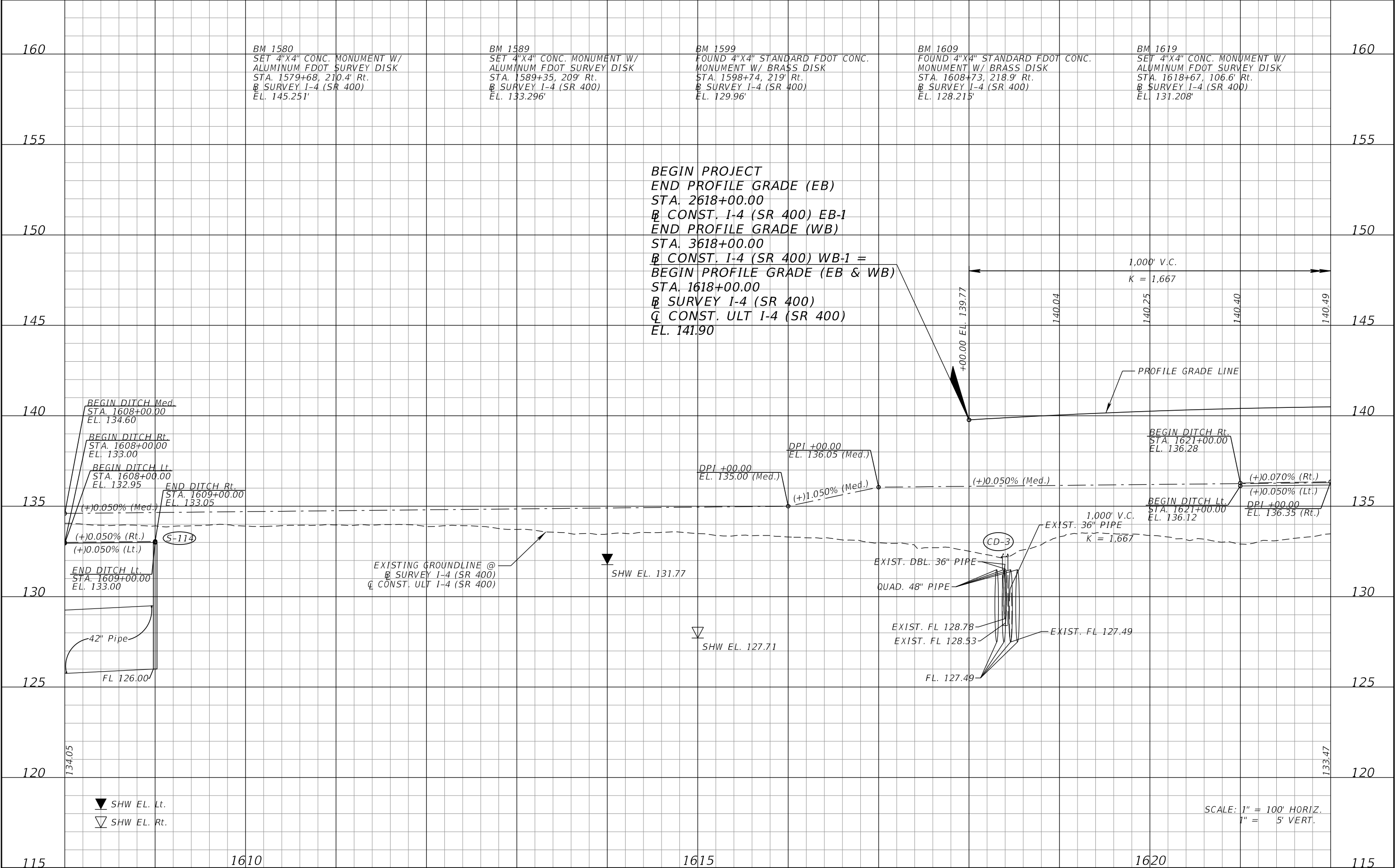


REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (3A) I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	72	

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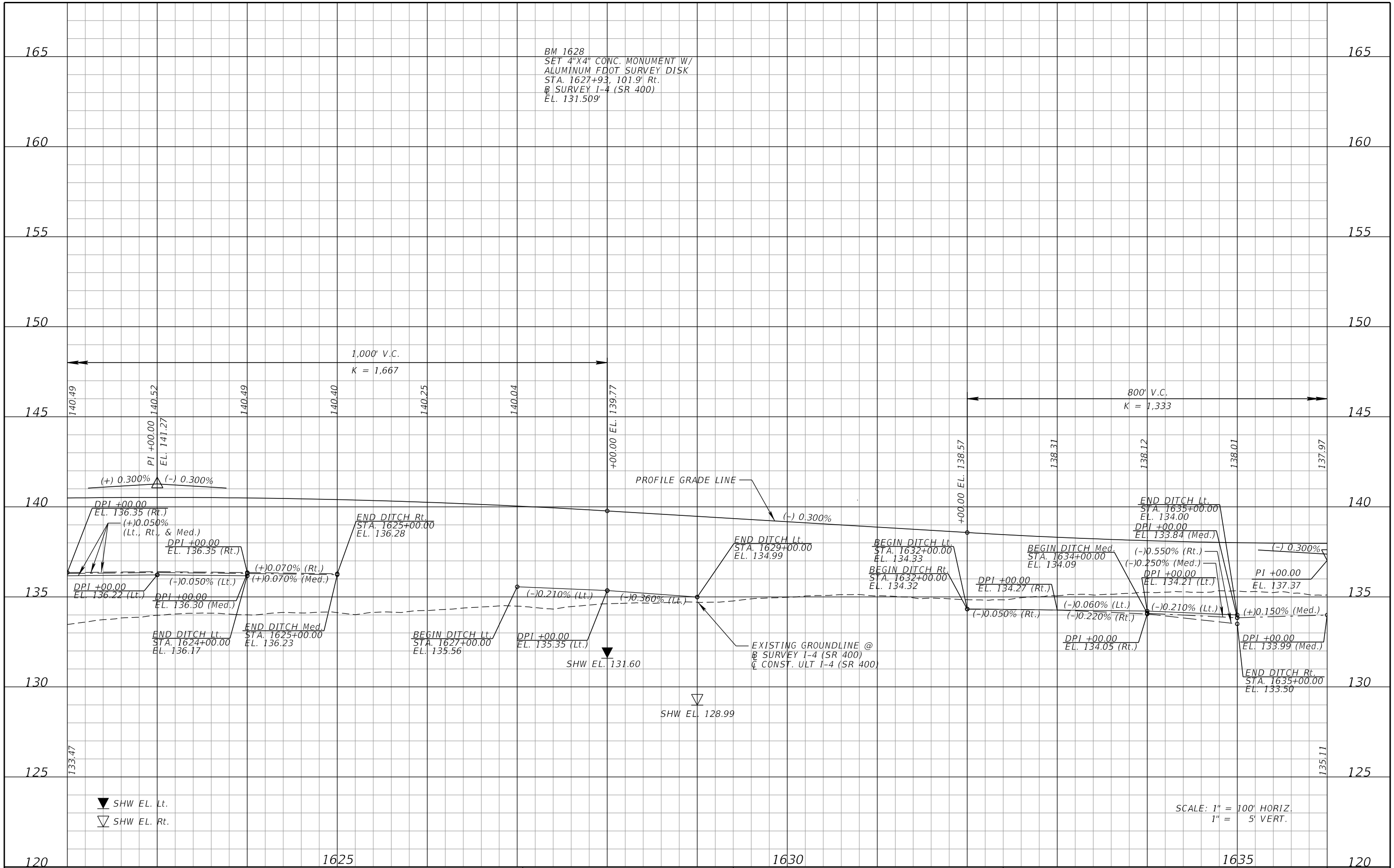


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DATE	DESCRIPTION		DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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											73



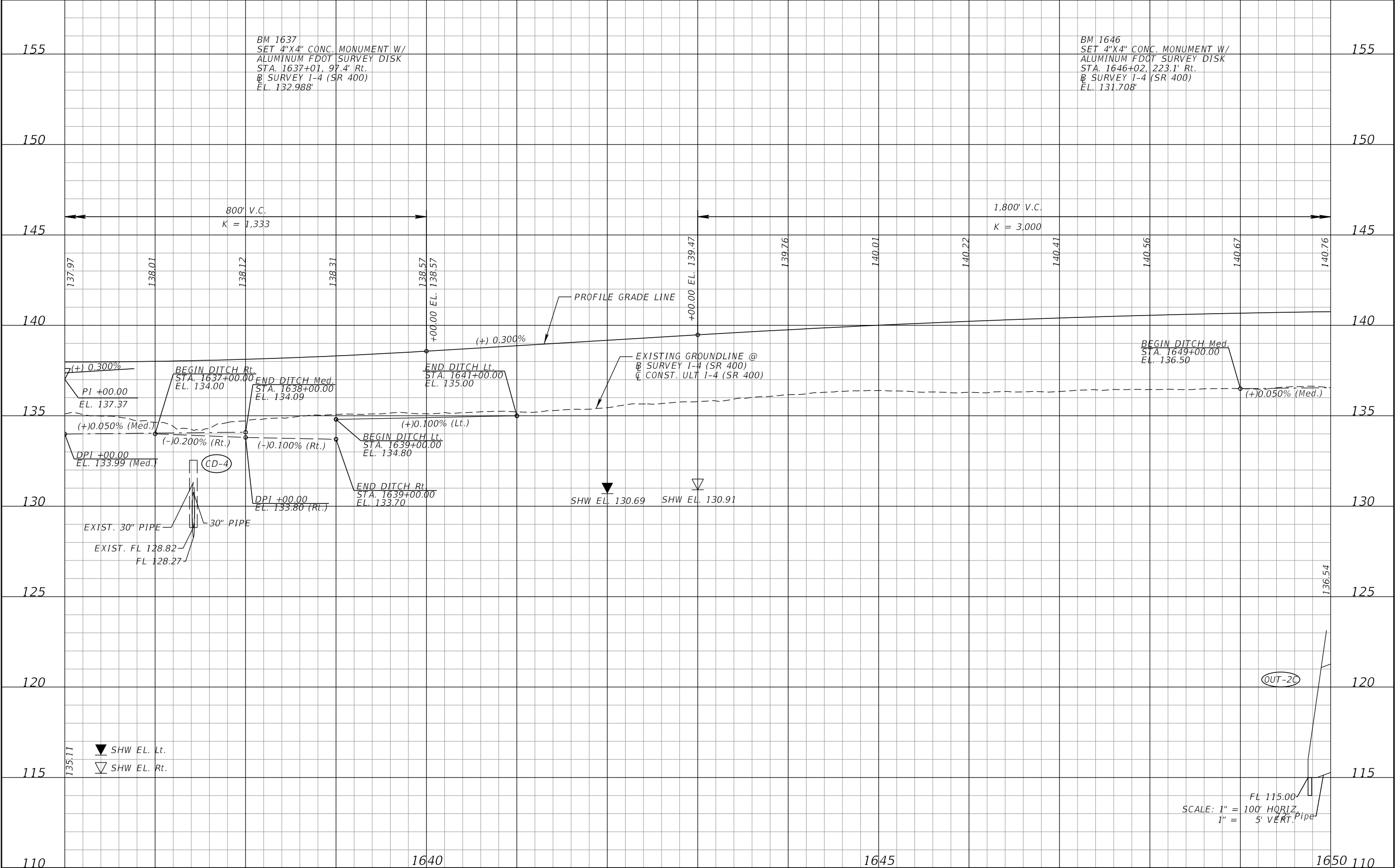
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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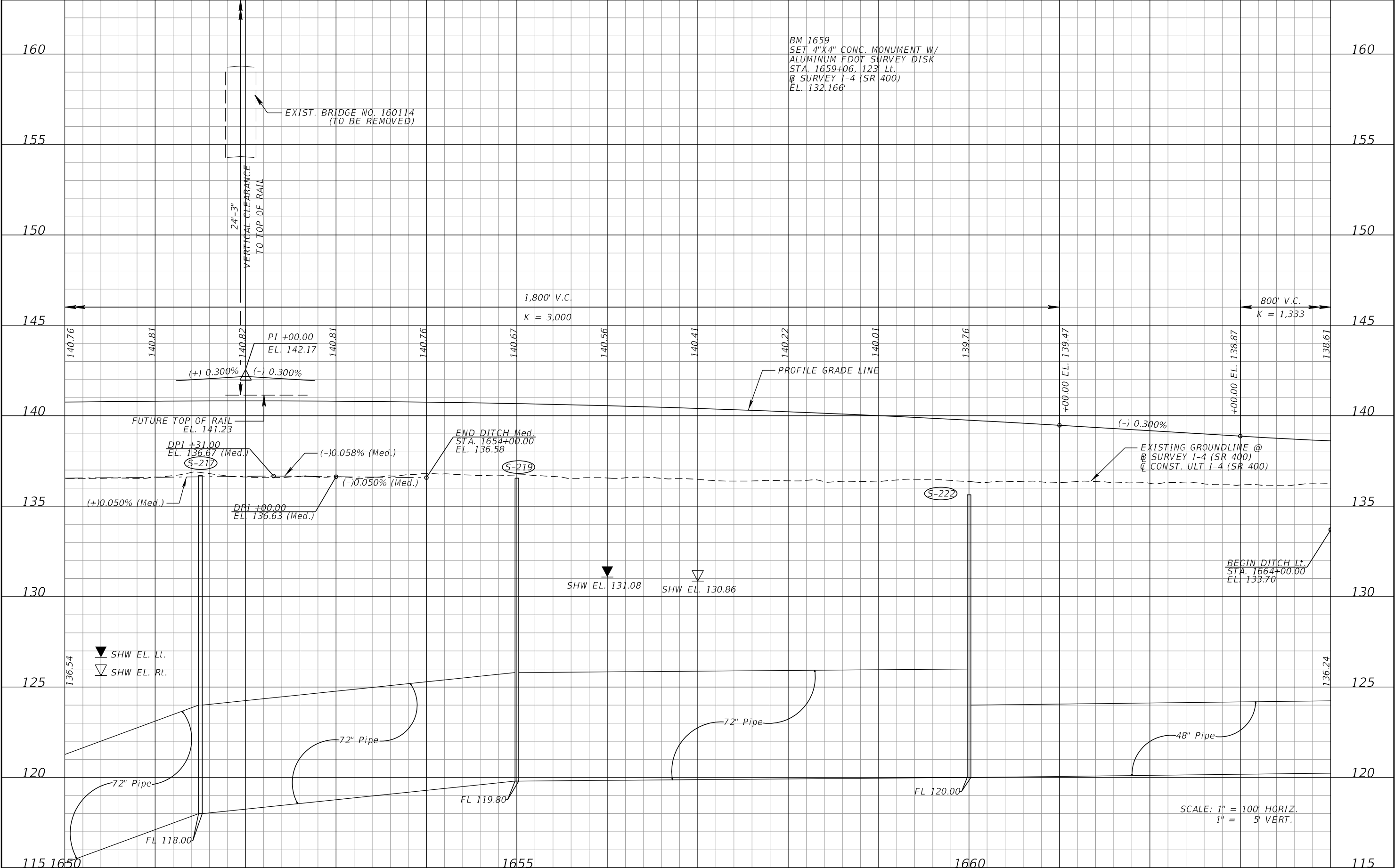
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		75
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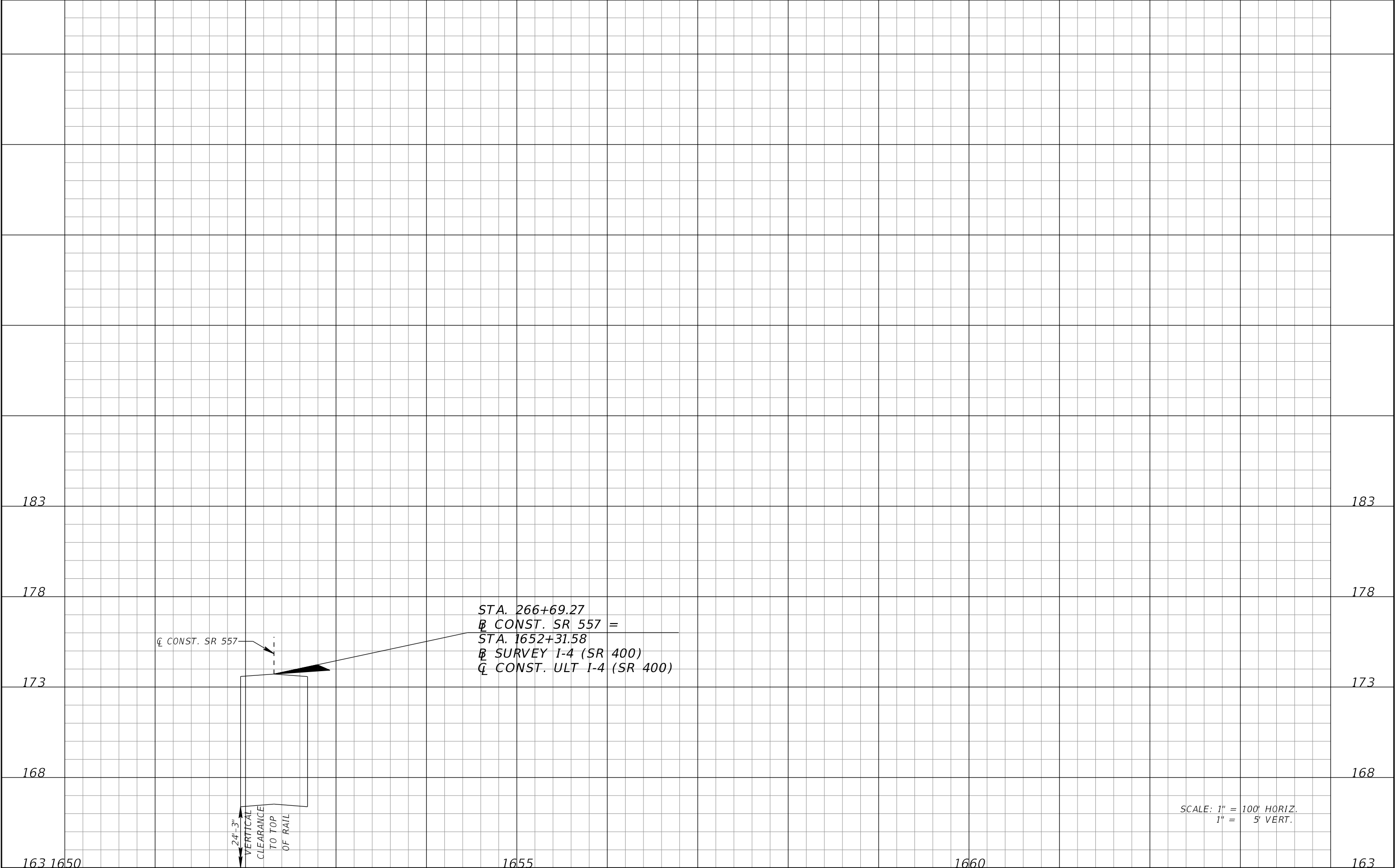
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		76
					SR 400	POLK	201215-3-52-01		

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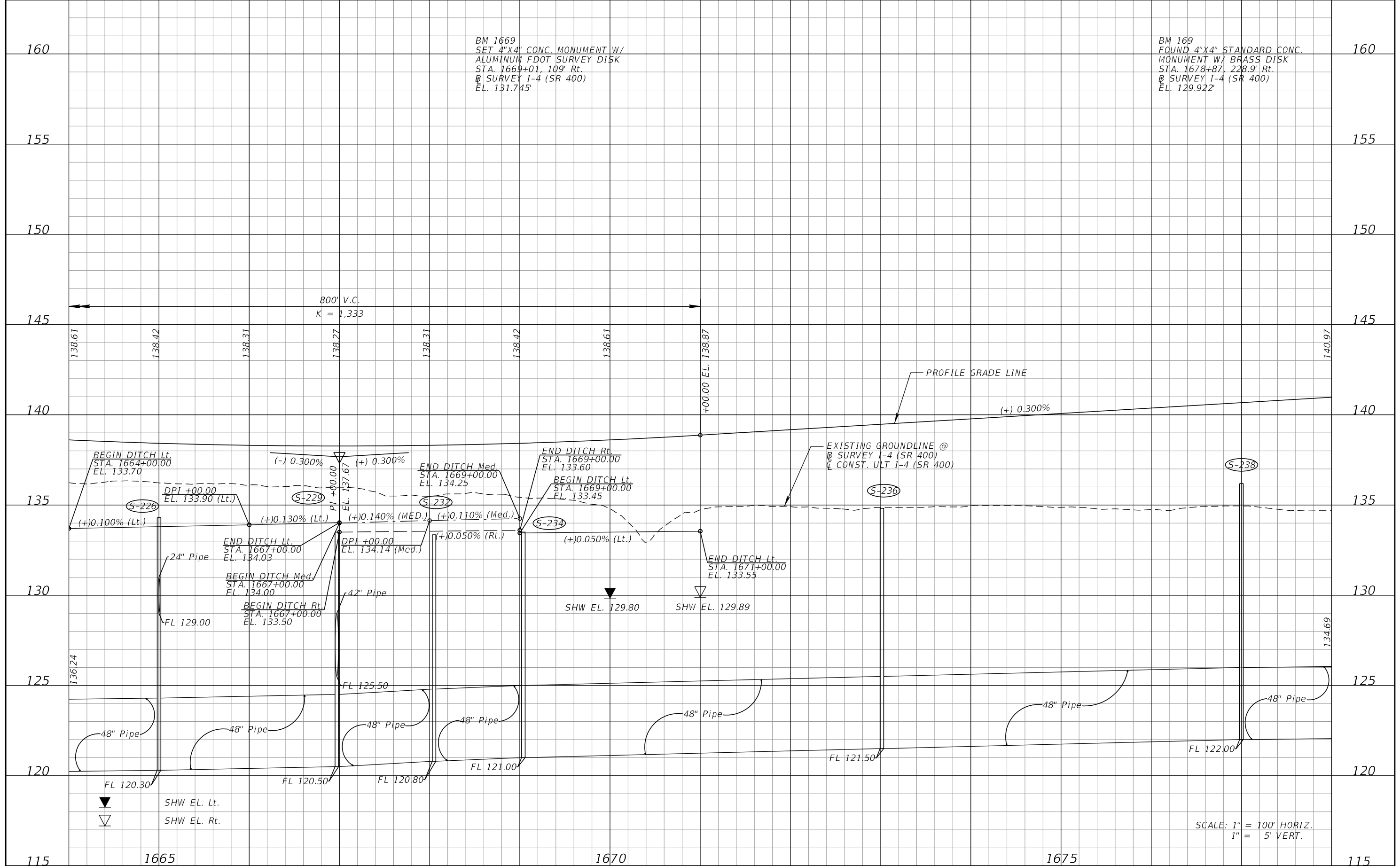
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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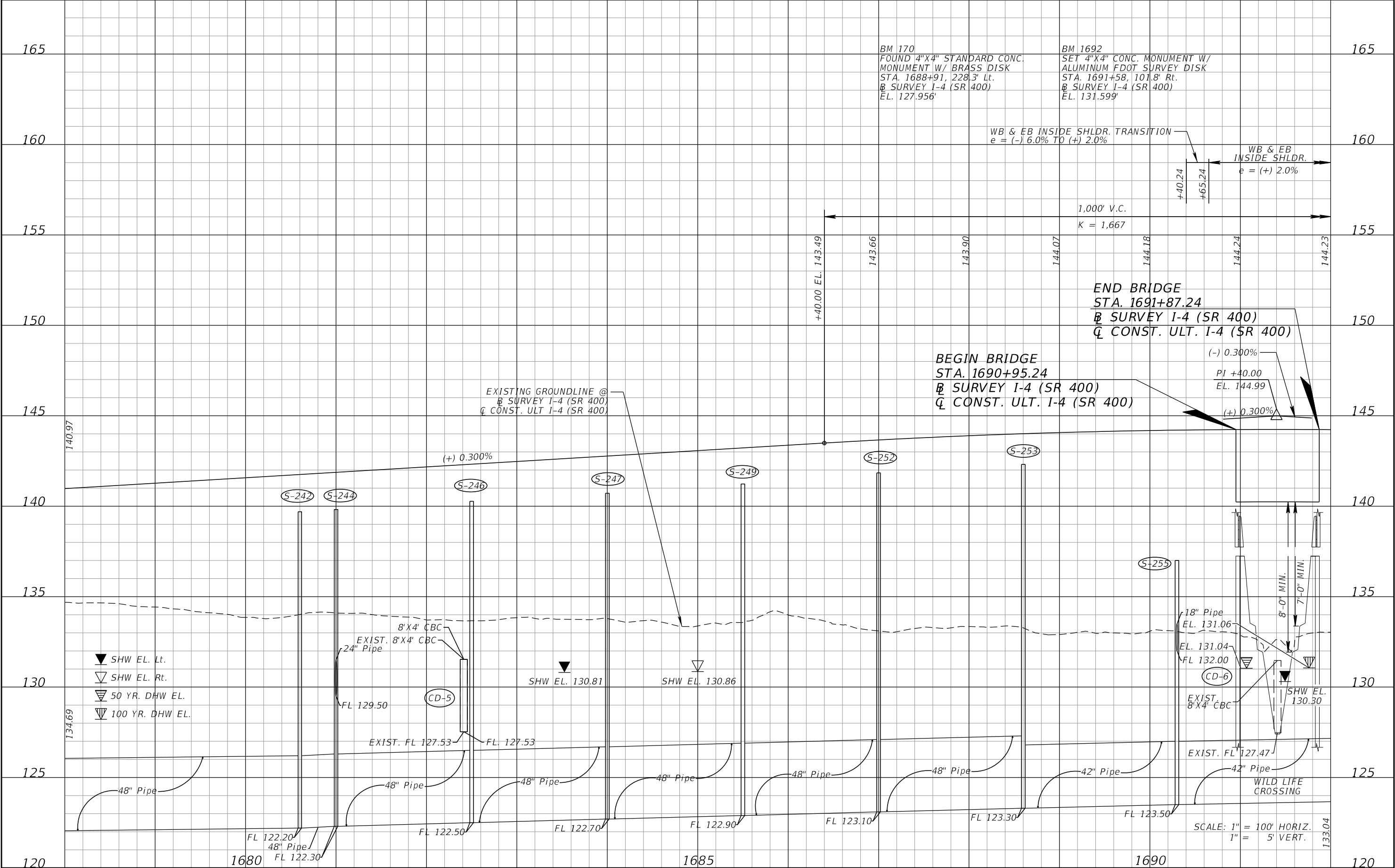
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DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			78

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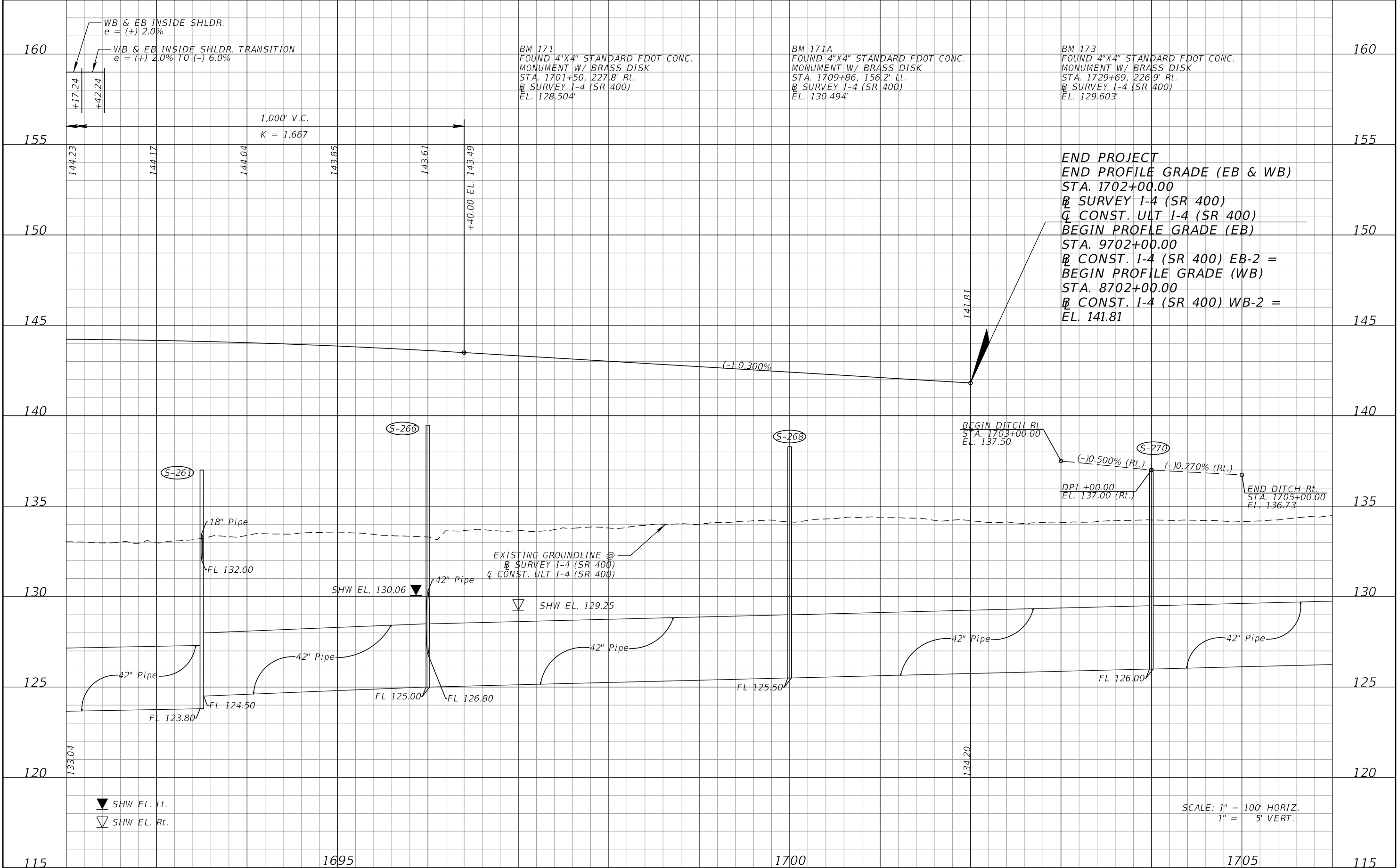
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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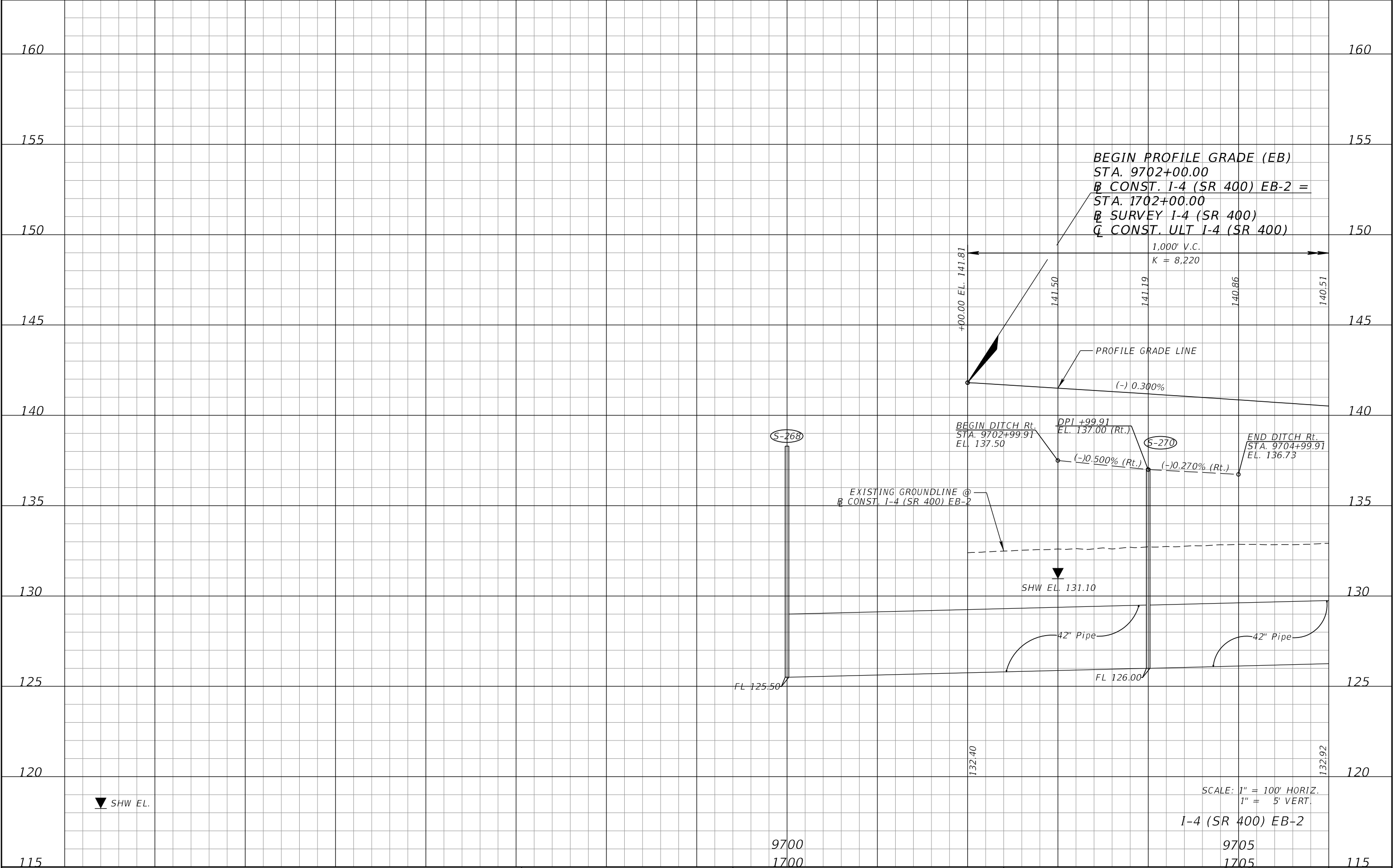
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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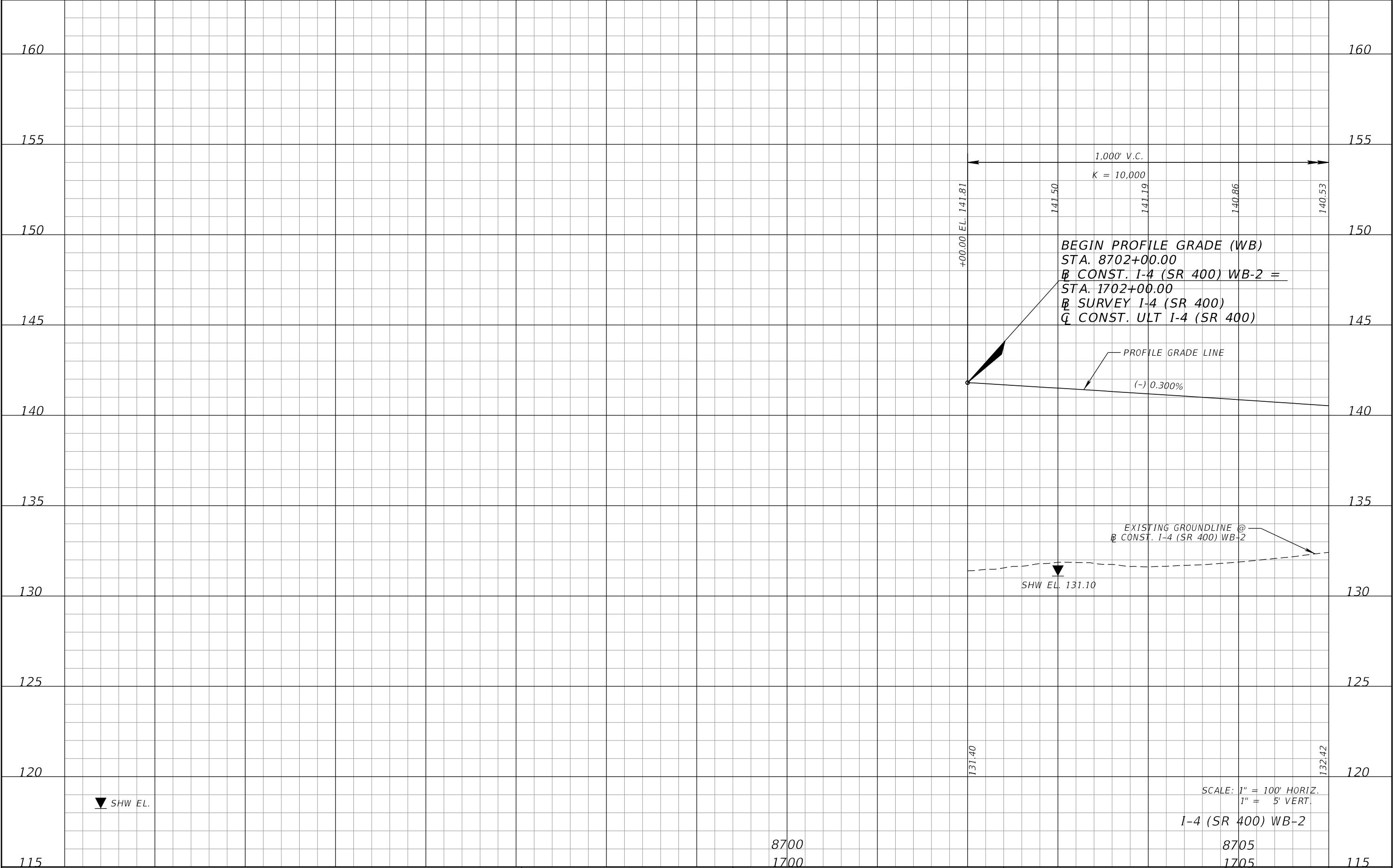
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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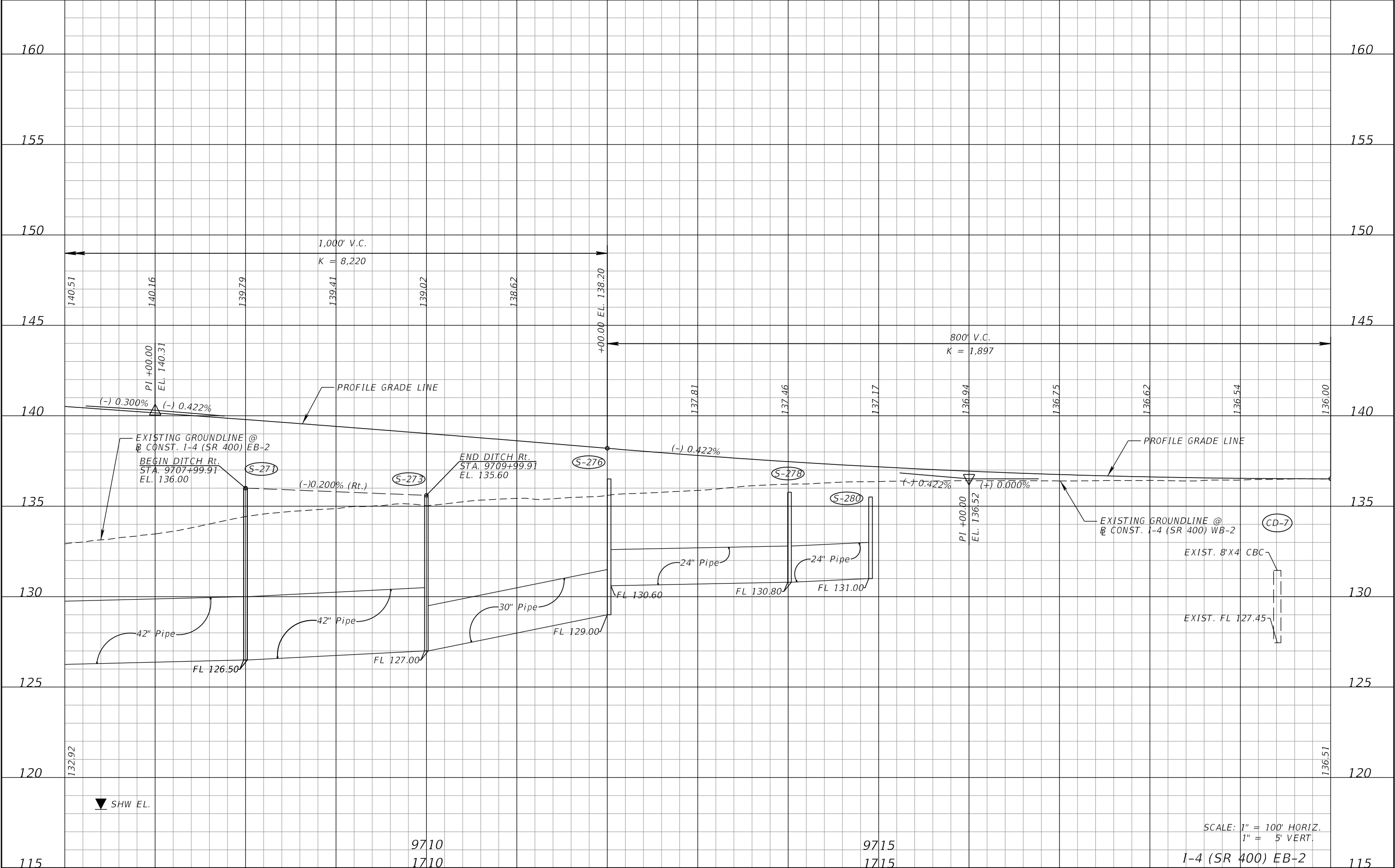
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		82

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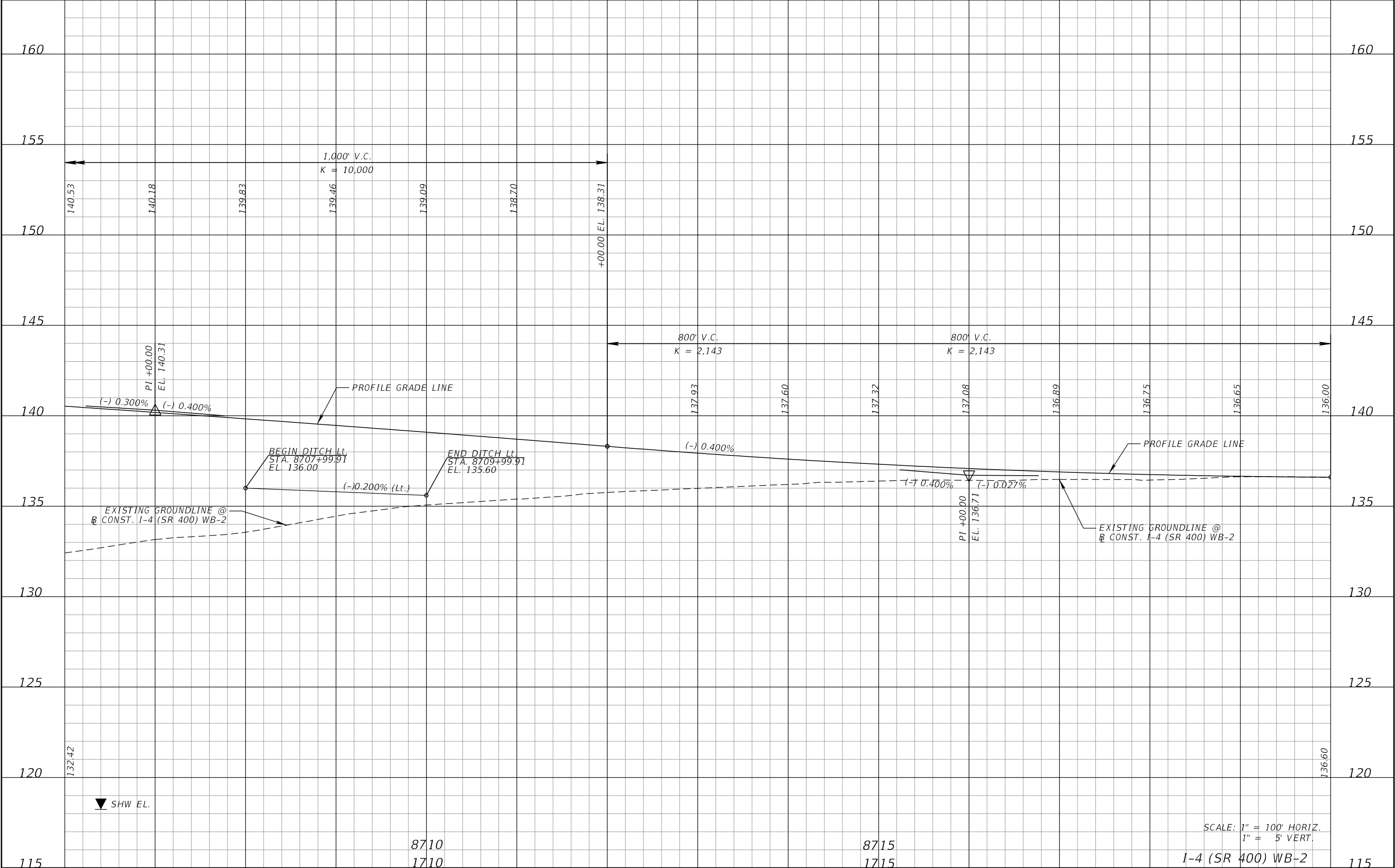
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			83
						SR 400	POLK	201215-3-52-01		

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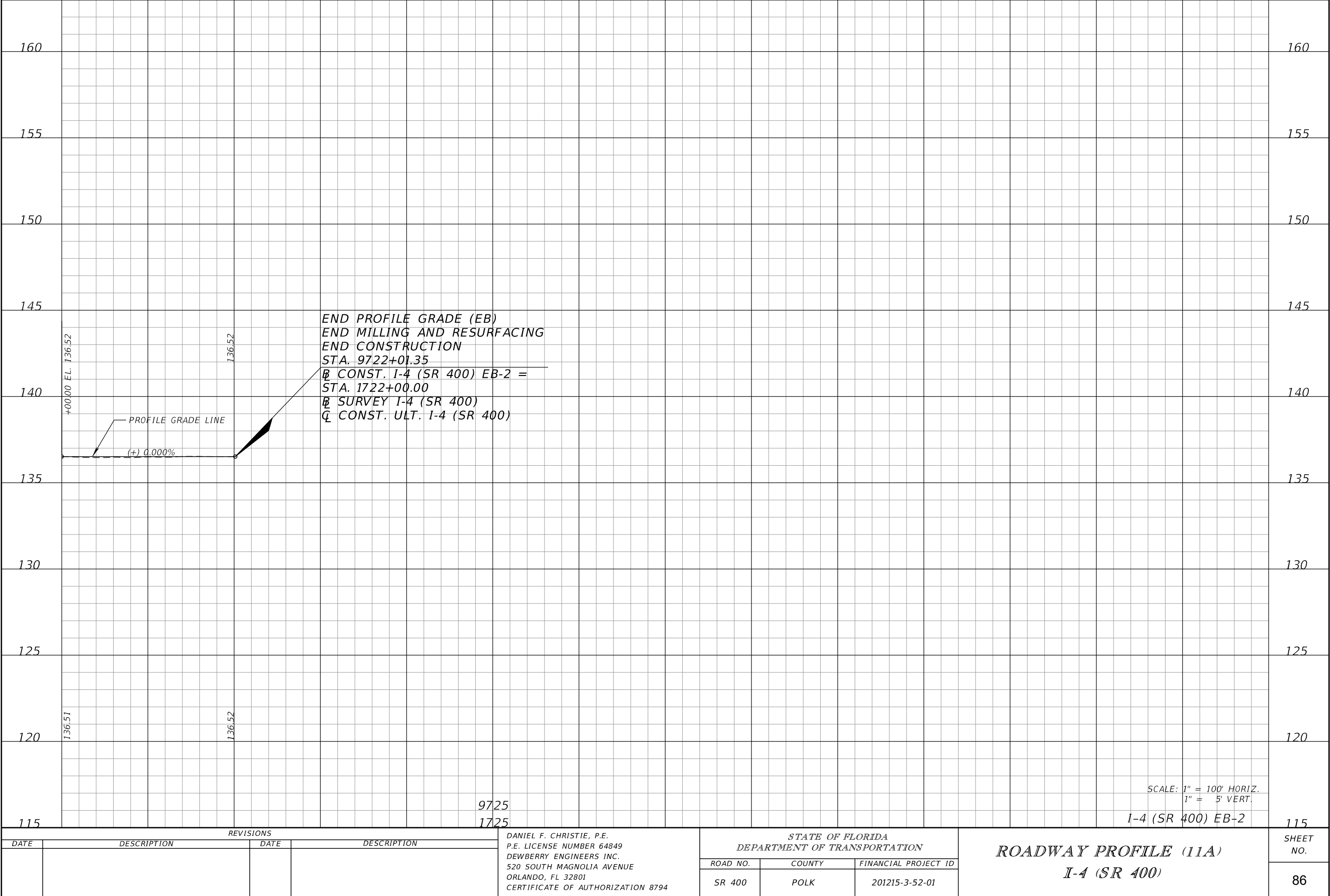
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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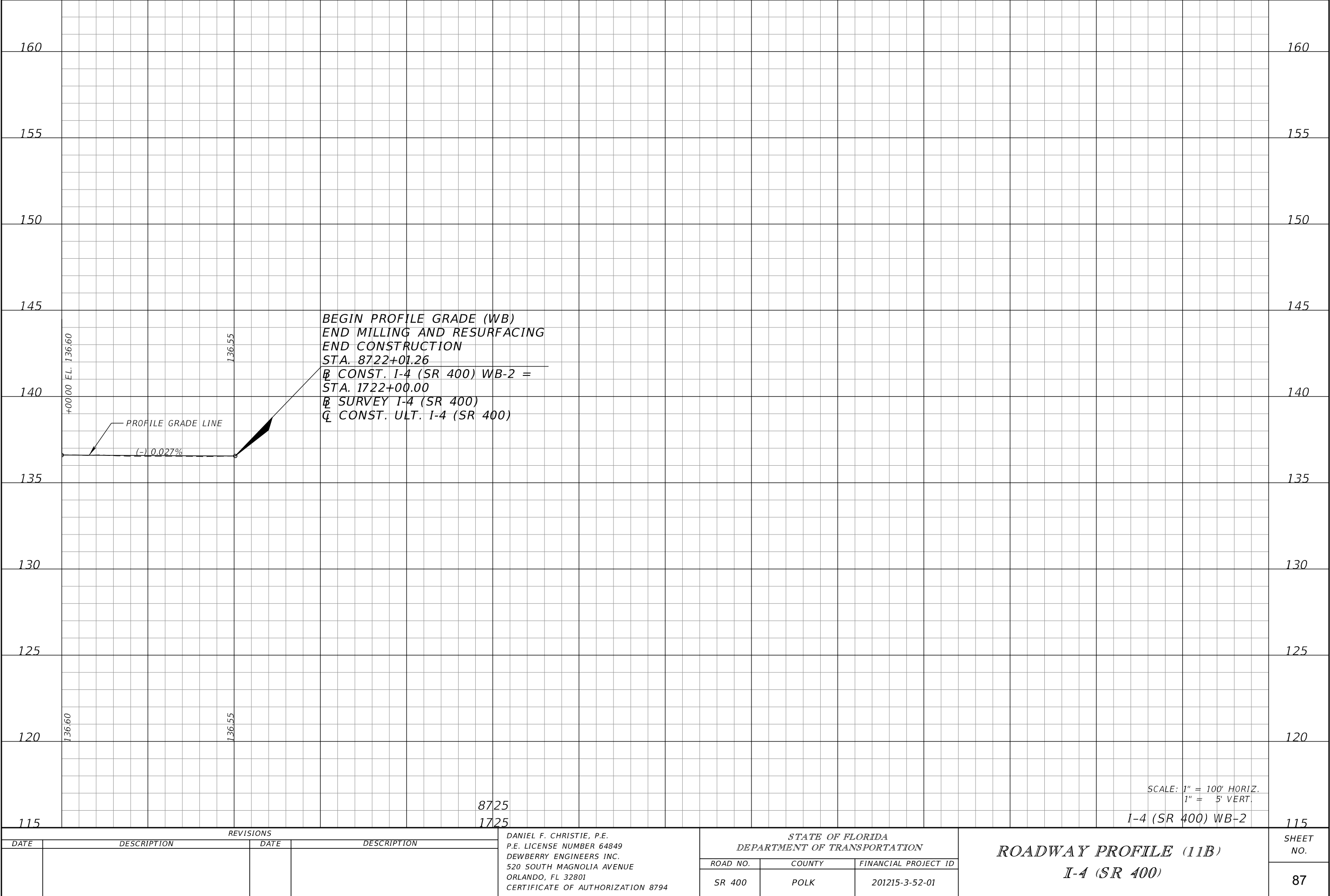


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		85
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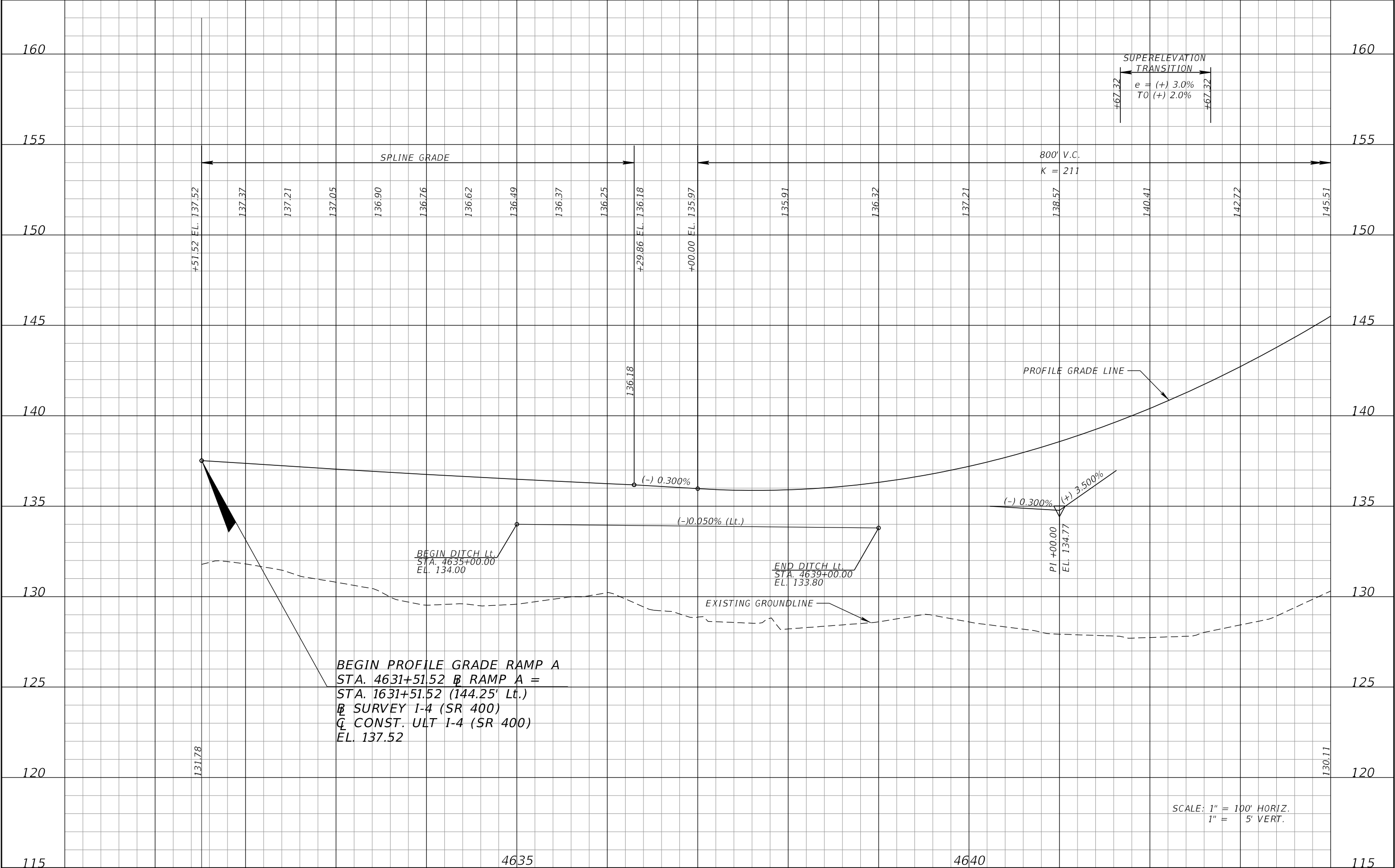


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



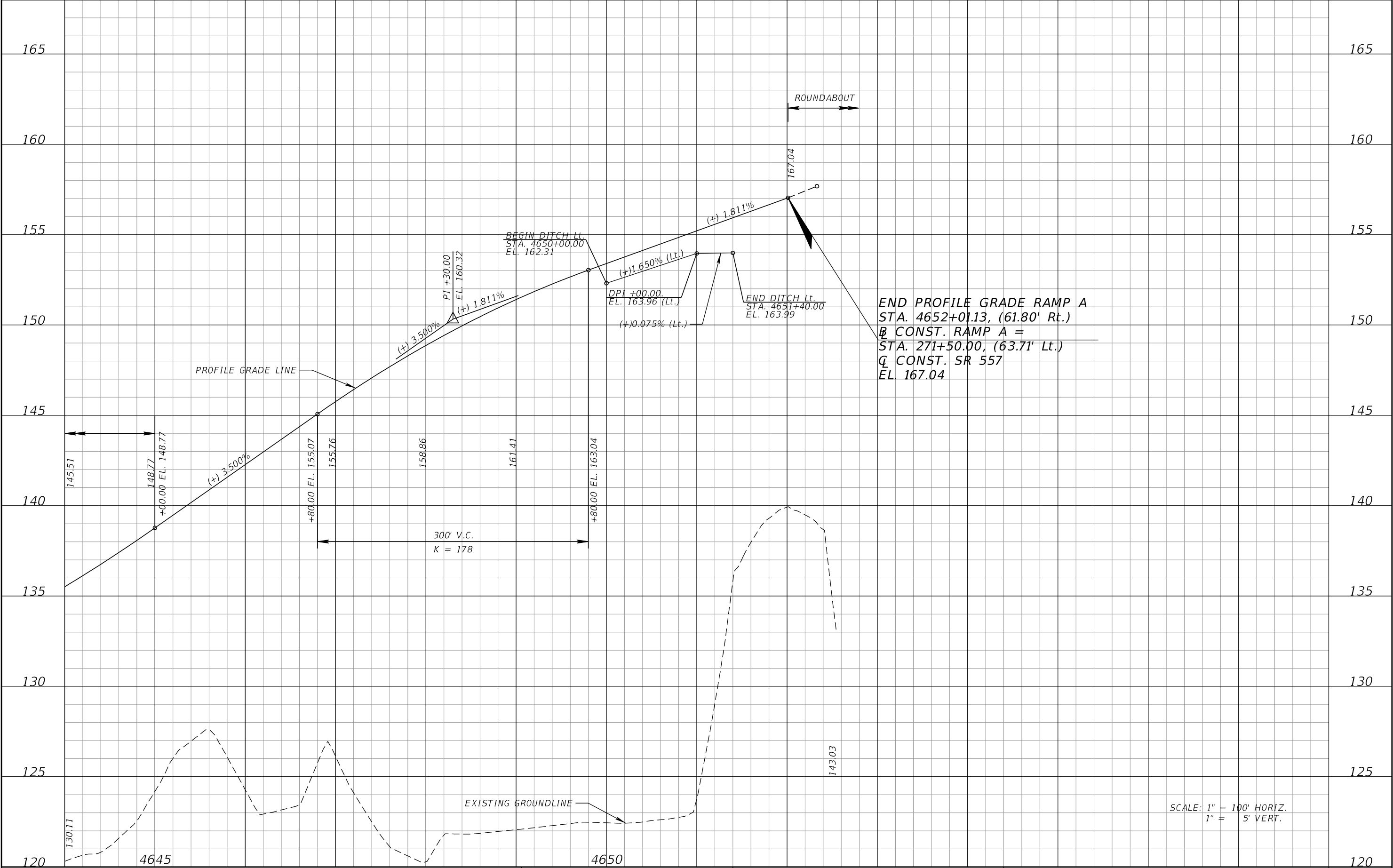
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		87
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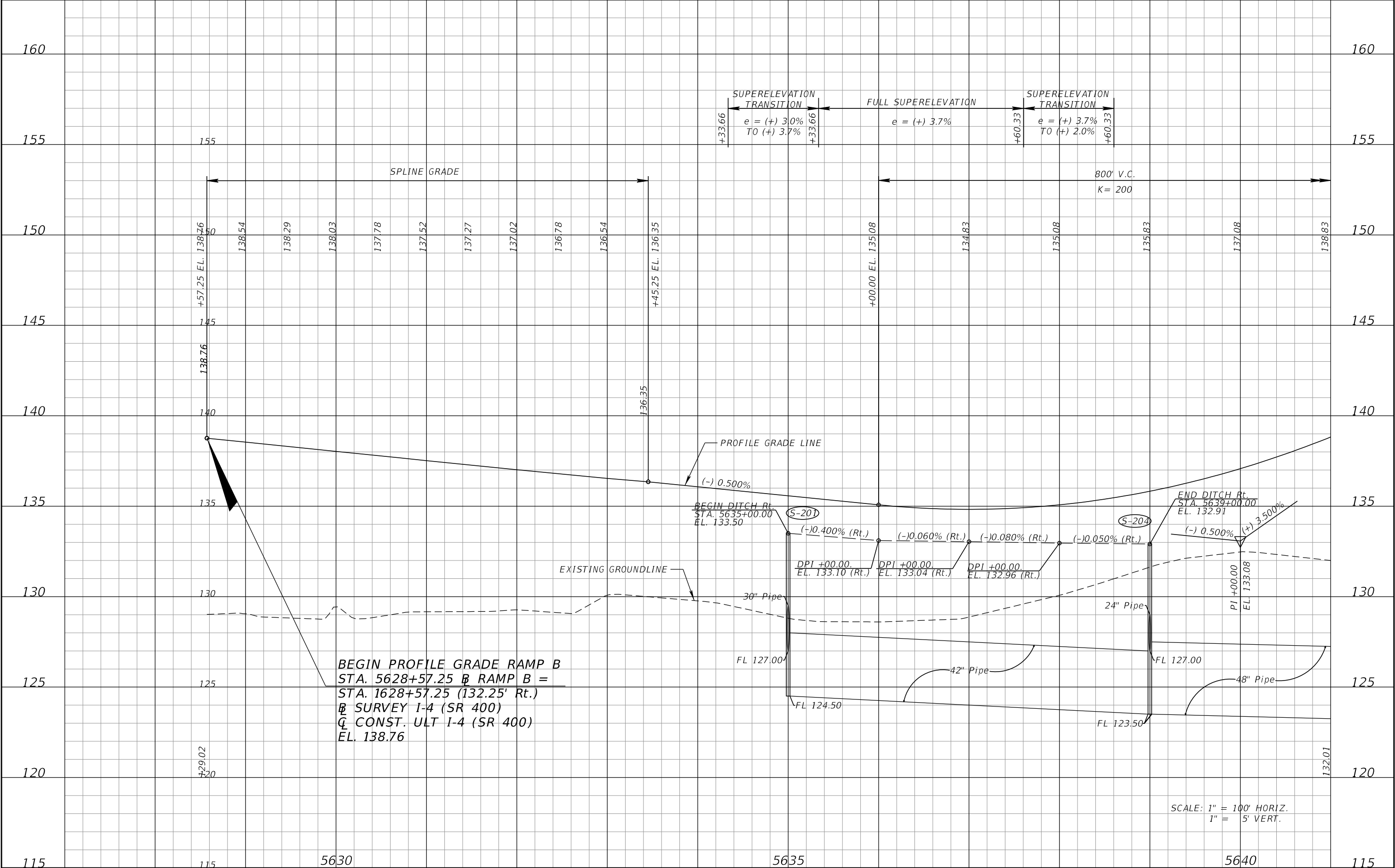
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DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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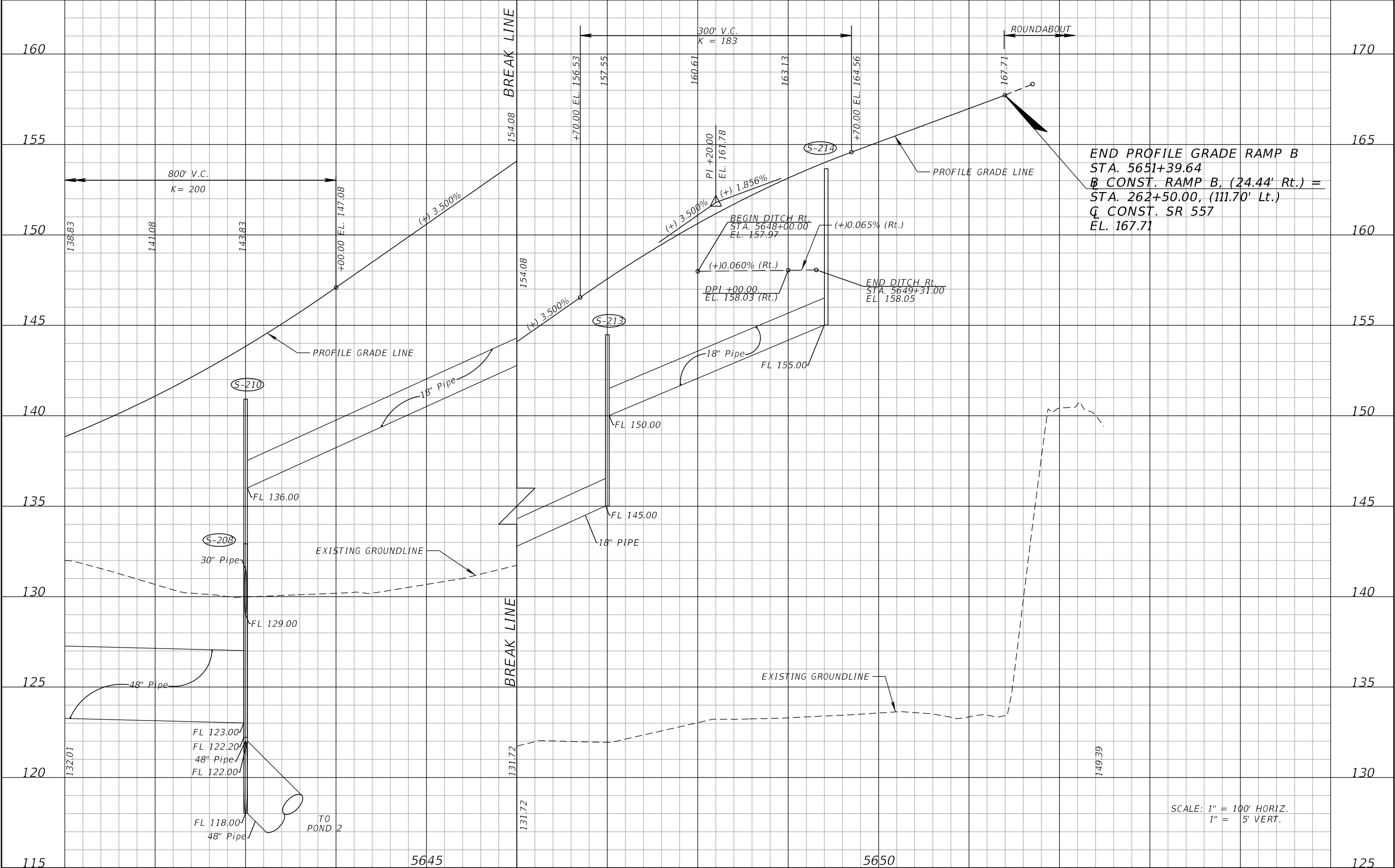
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (13A) RAMP B	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		90
					SR 400	POLK	201215-3-52-01		

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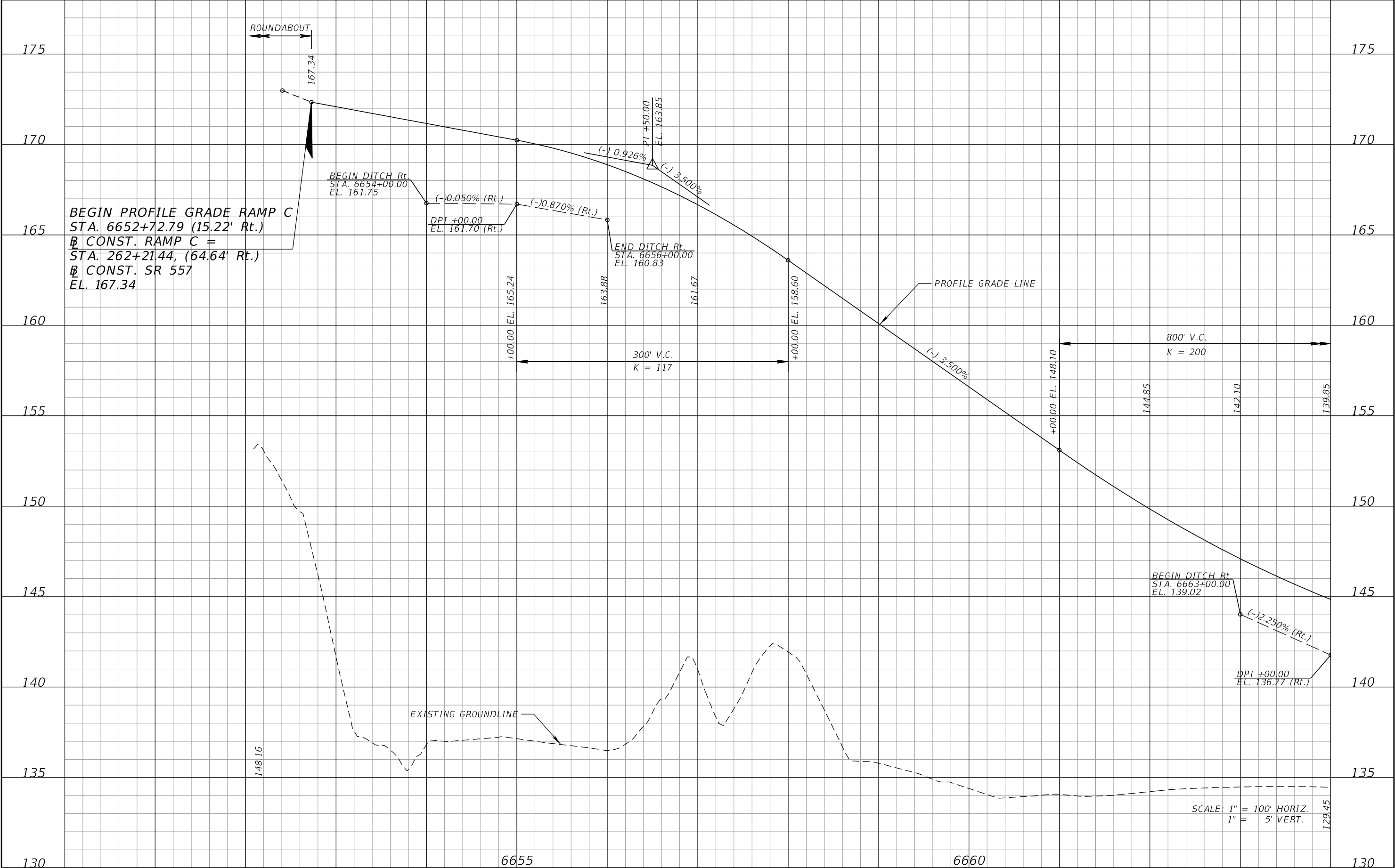


END PROFILE GRADE RAMP B
STA. 5651+39.64
CONST. RAMP B, (24.44' Rt.) =
STA. 262+50.00, (111.70' Lt.)
CONST. SR 557
EL. 167.71

SCALE: 1" = 100' HORIZ.
1" = 5' VERT.

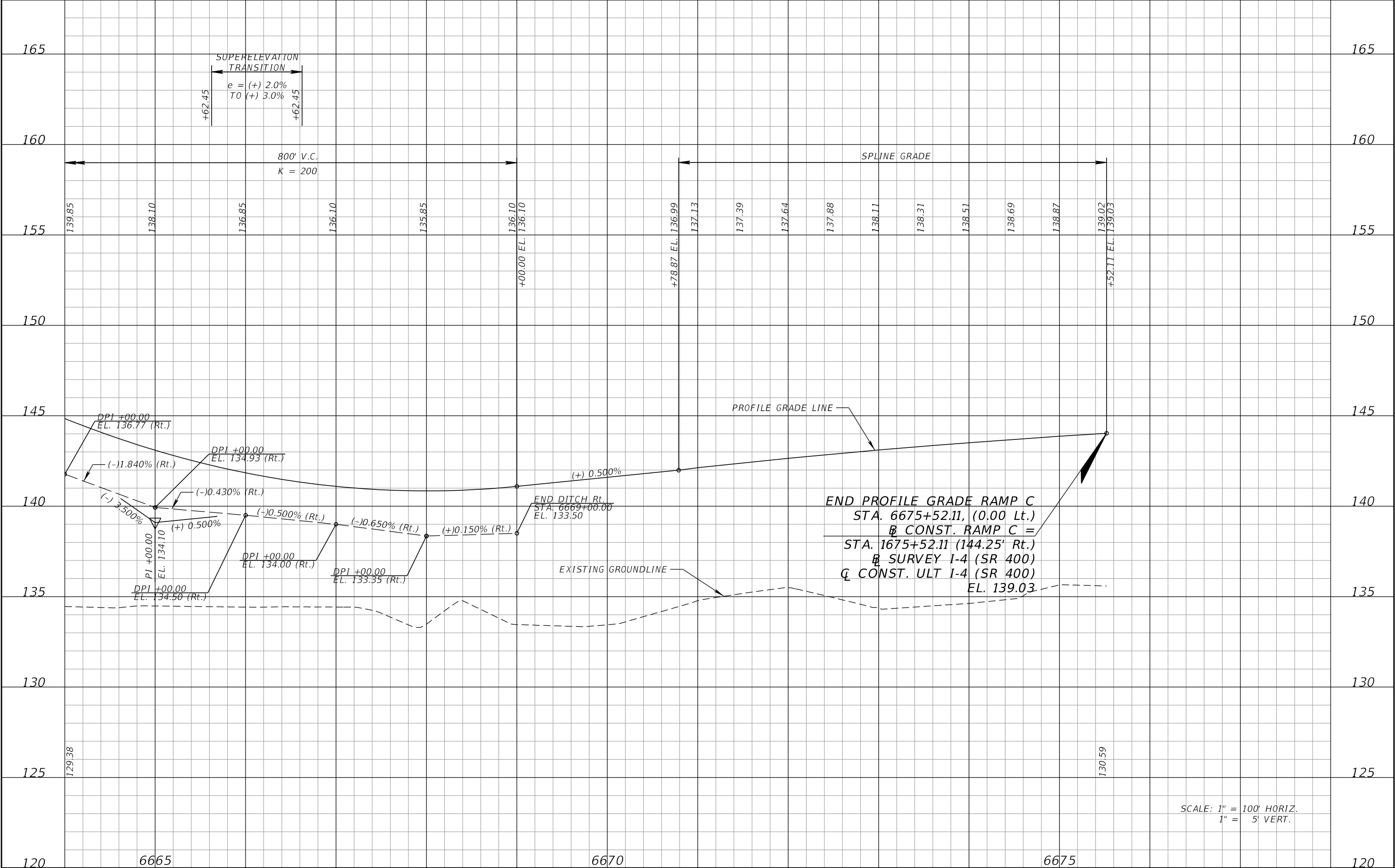
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (13B) RAMP B		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			91

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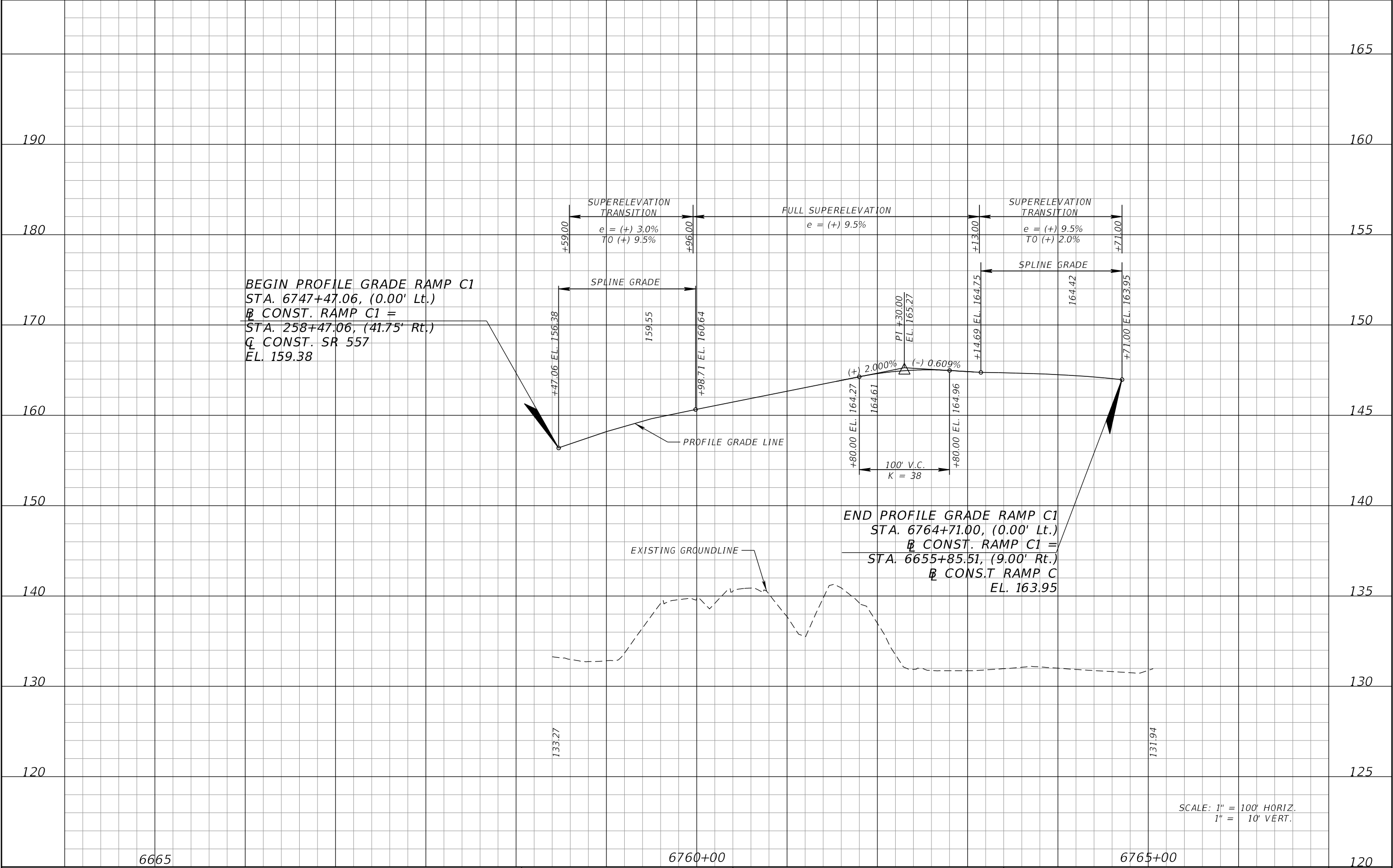
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (14A) RAMP C		SHEET NO. 92
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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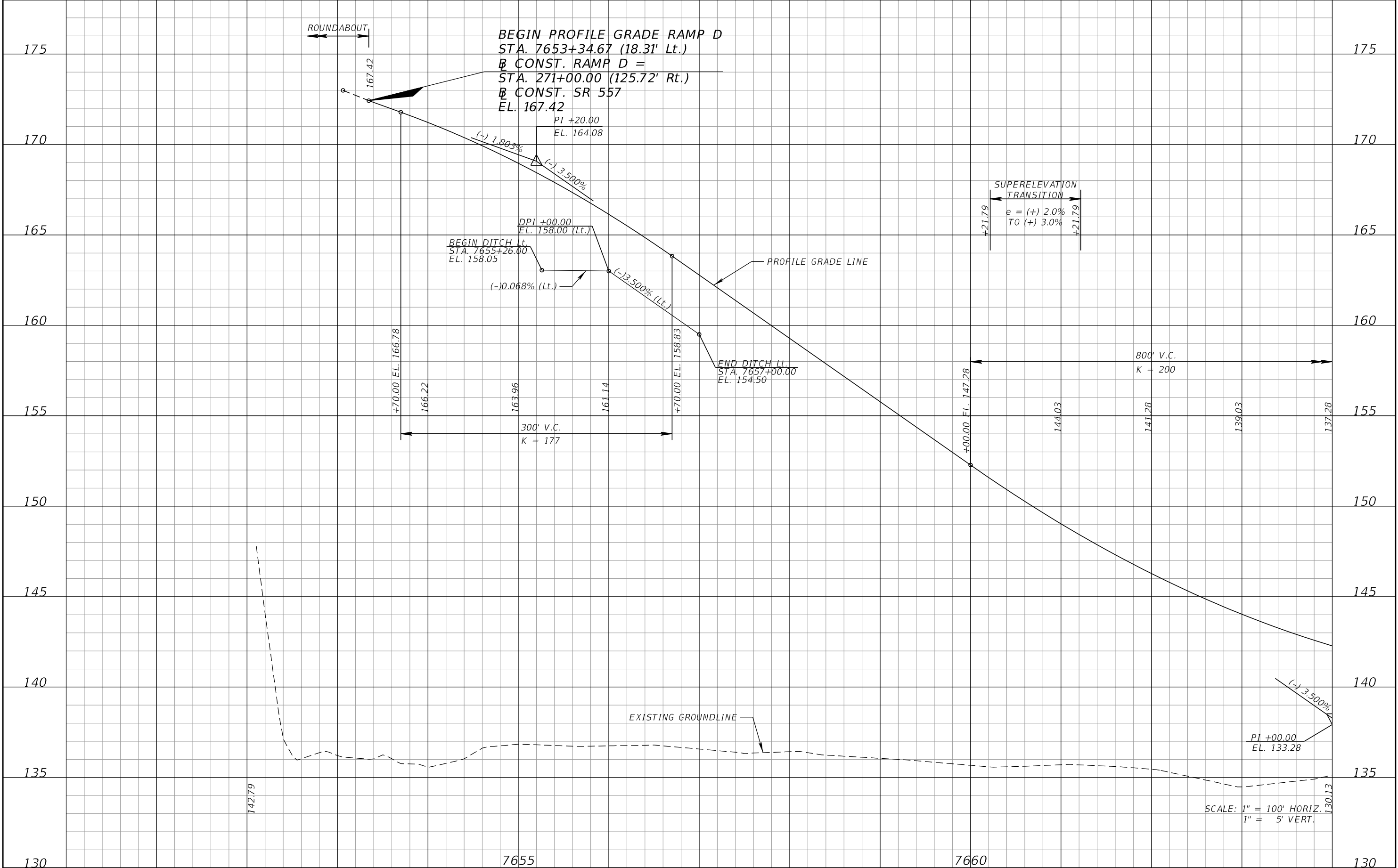
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (14B) RAMP C	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		93

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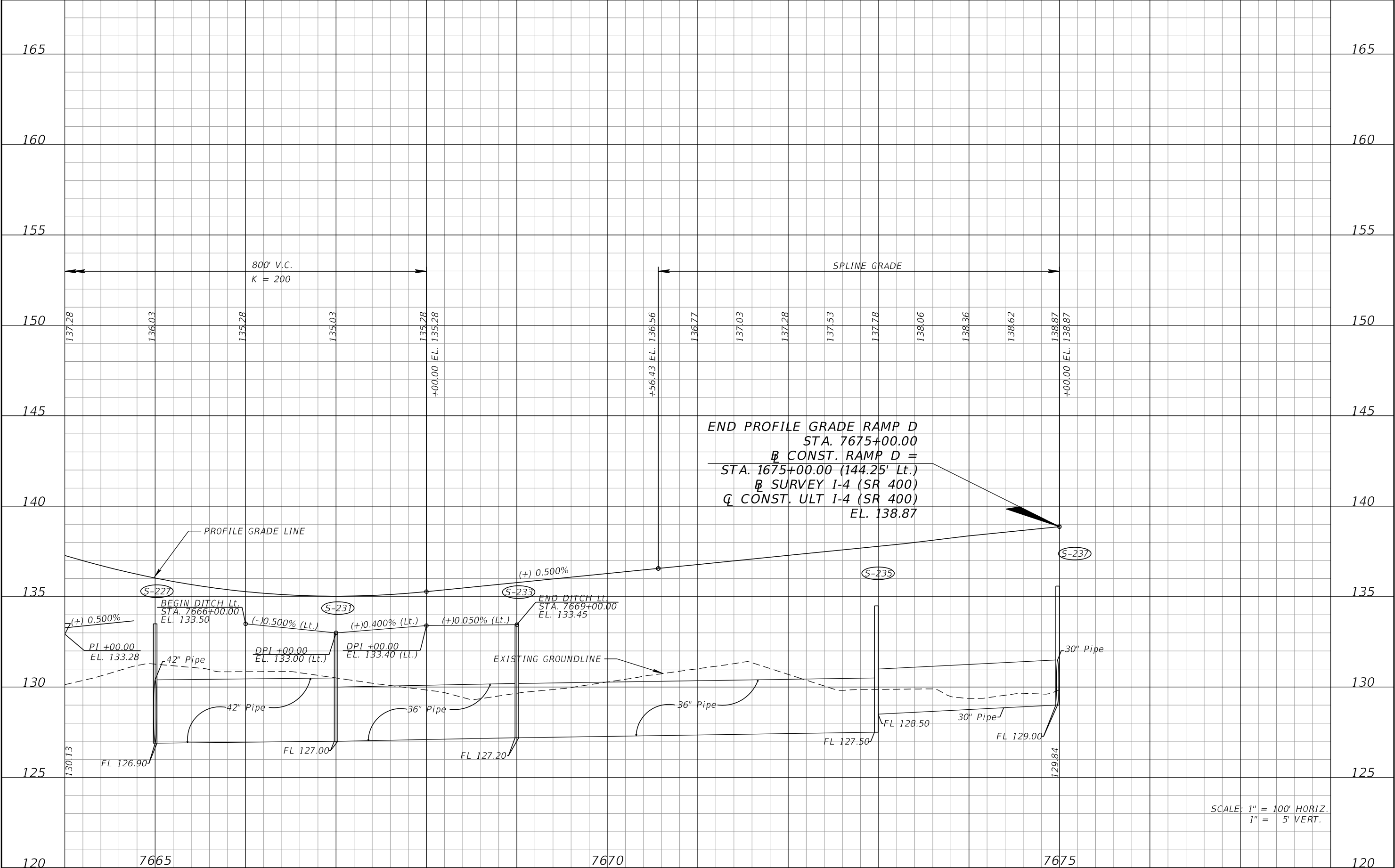
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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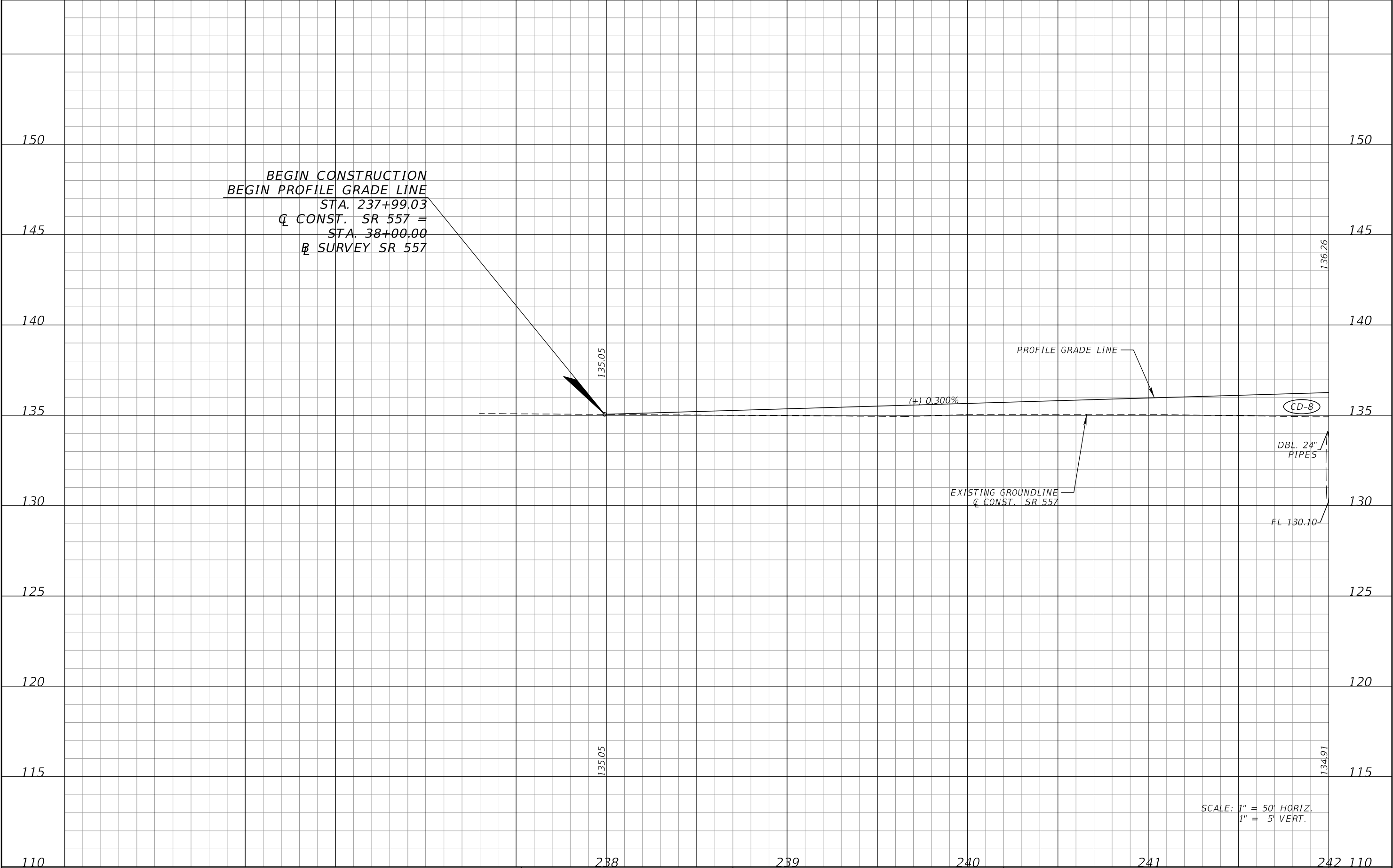
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		95
					SR 400	POLK	201215-3-52-01		

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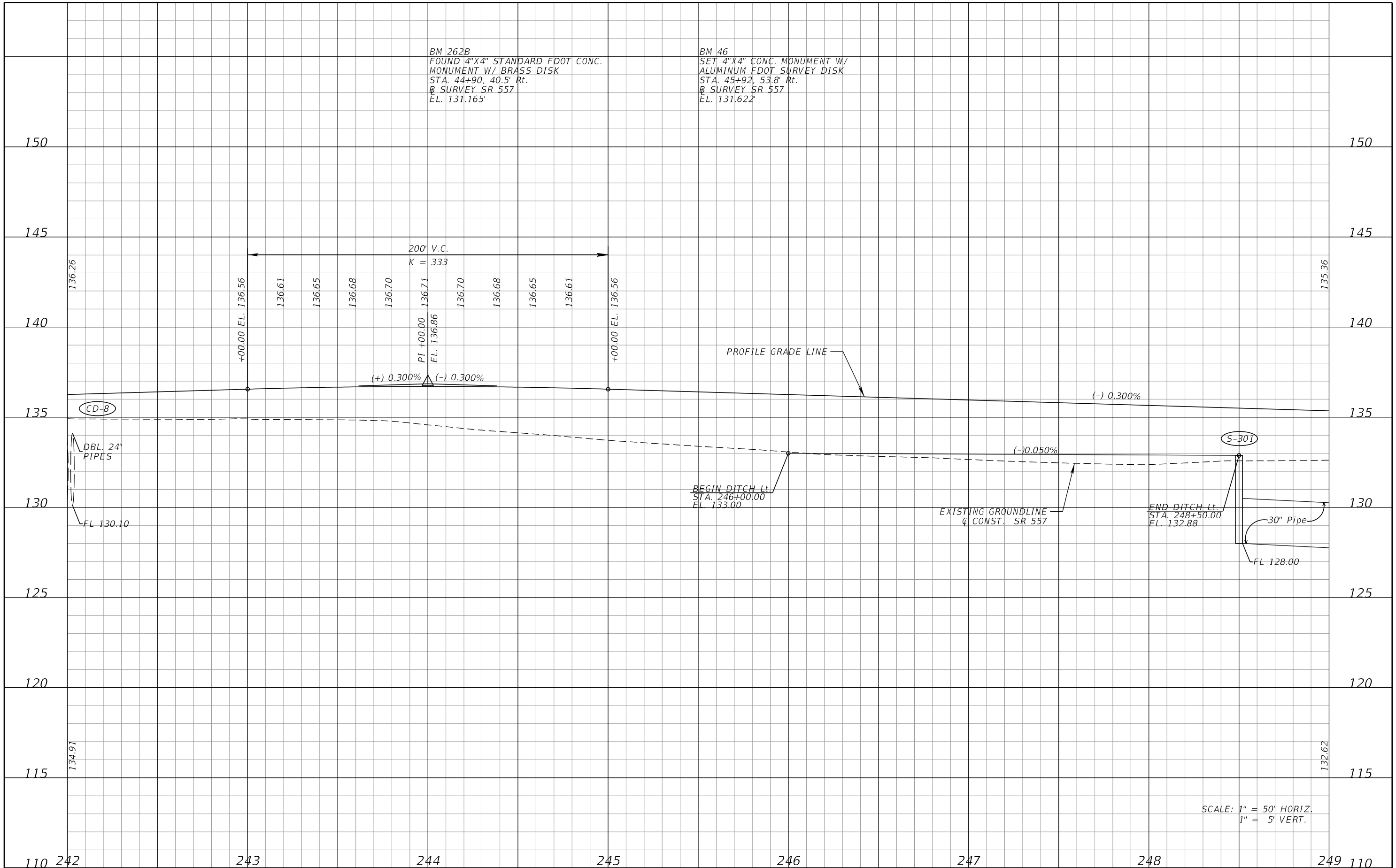
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		96
					SR 400	POLK	201215-3-52-01		

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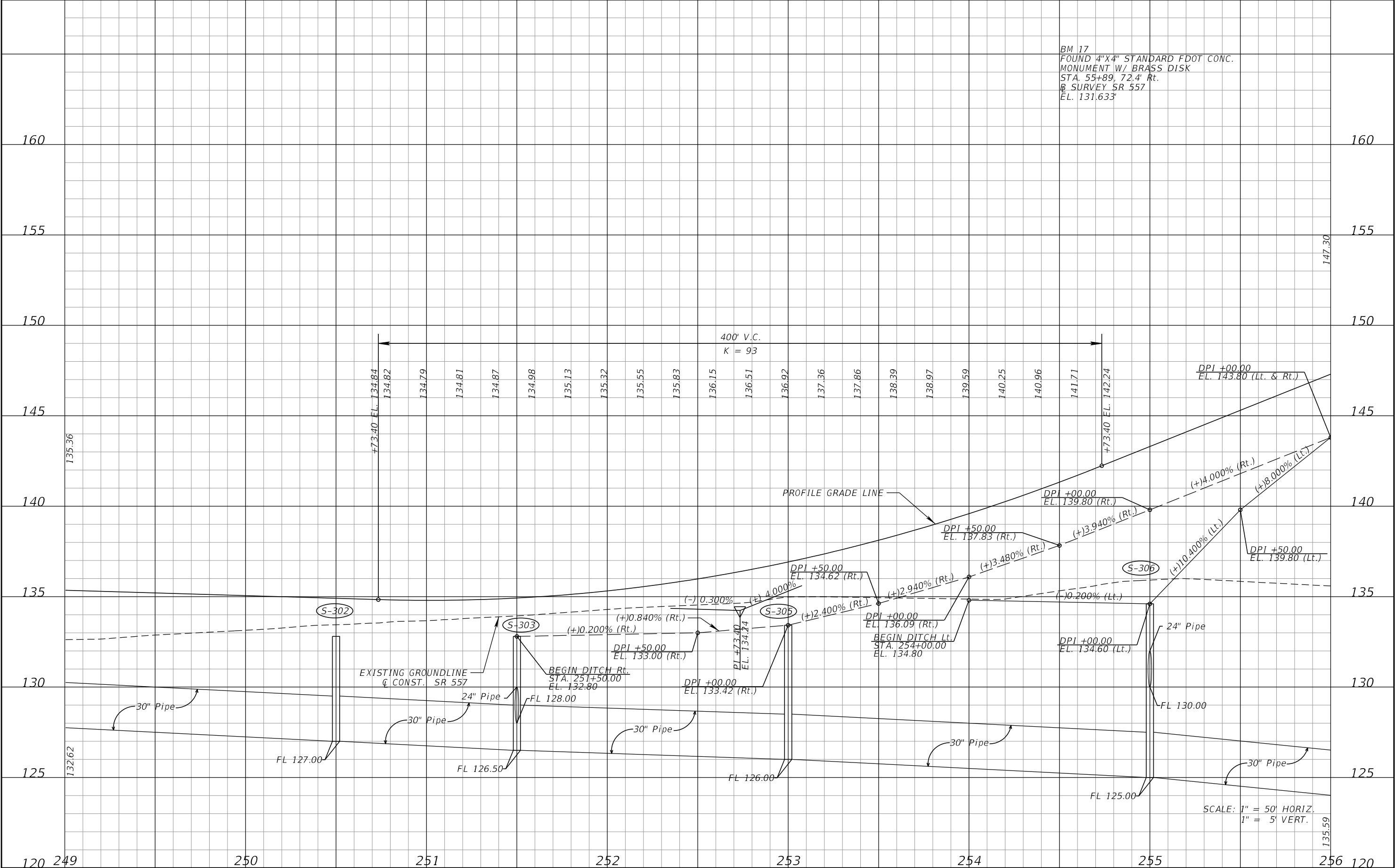
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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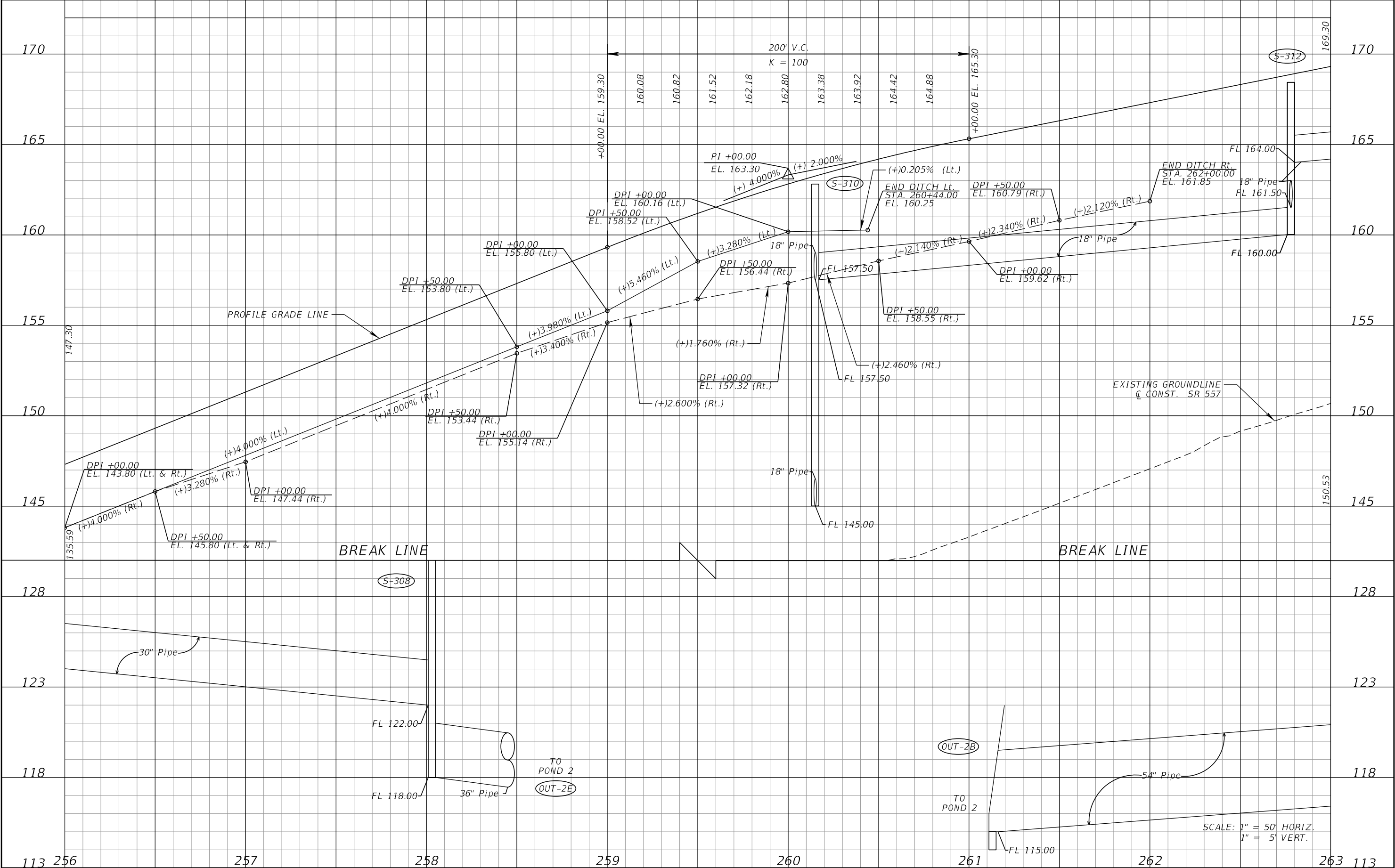
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		98
					SR 400	POLK	201215-3-52-01		

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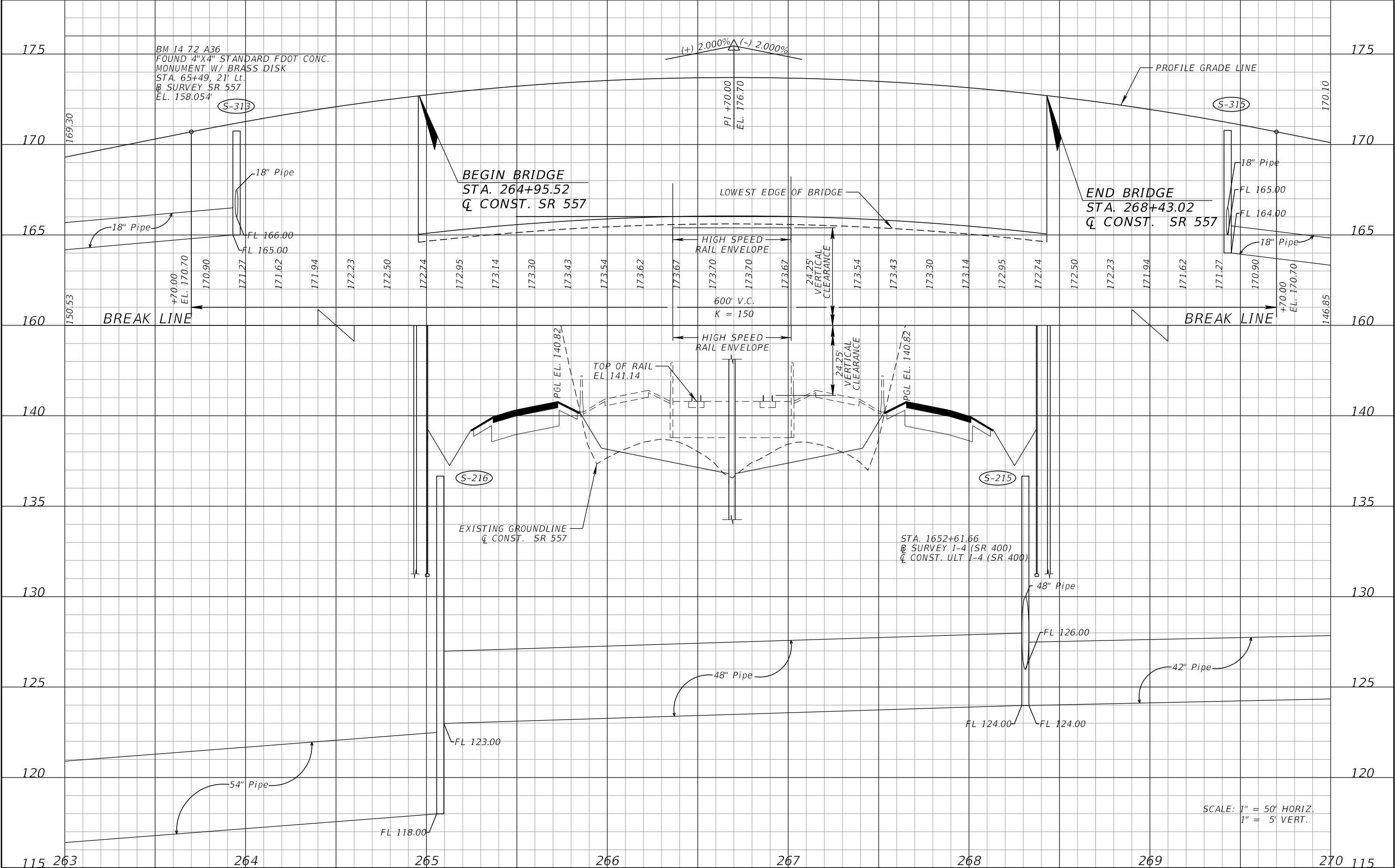
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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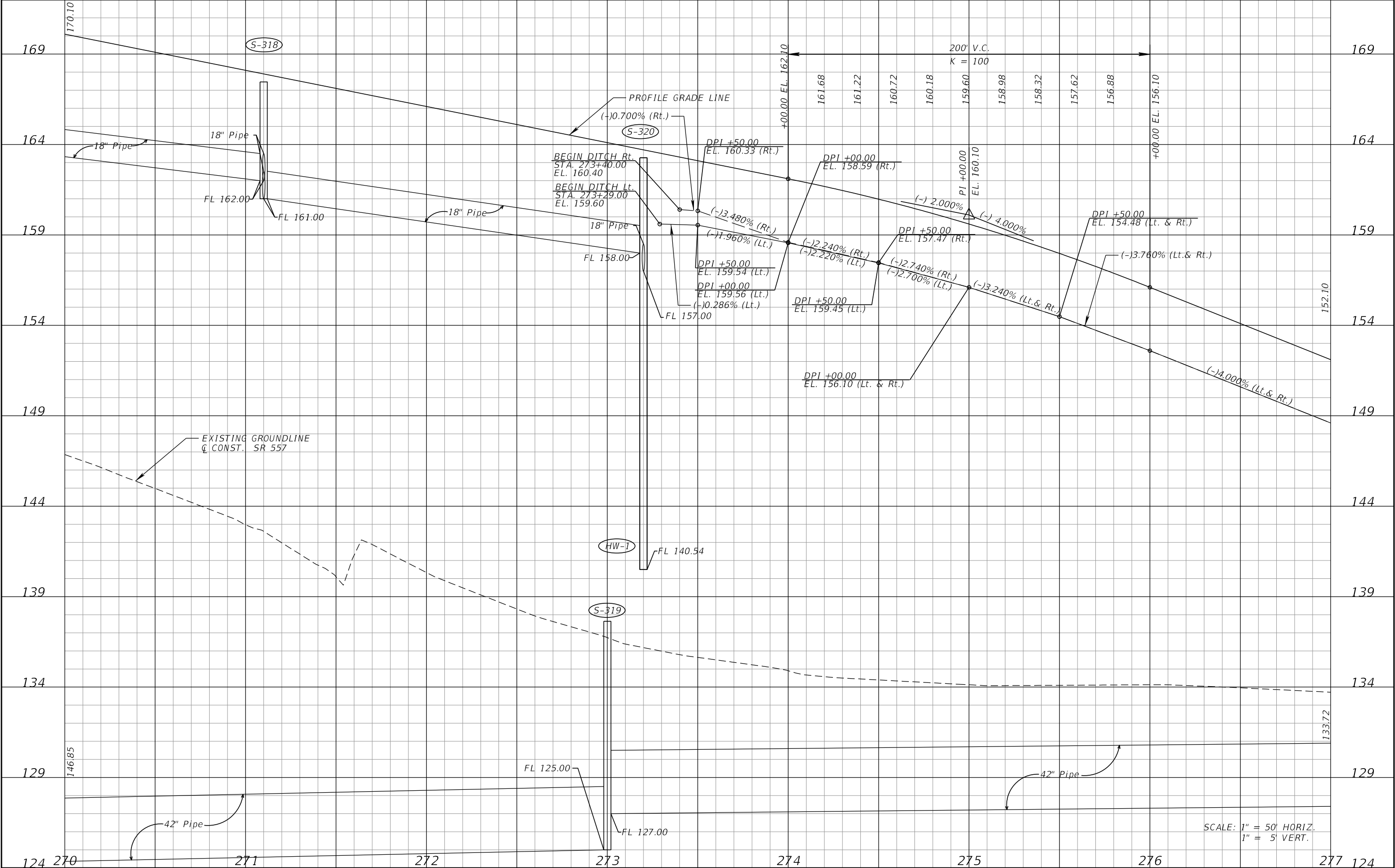
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE (19) SR 557	SHEET NO. 100
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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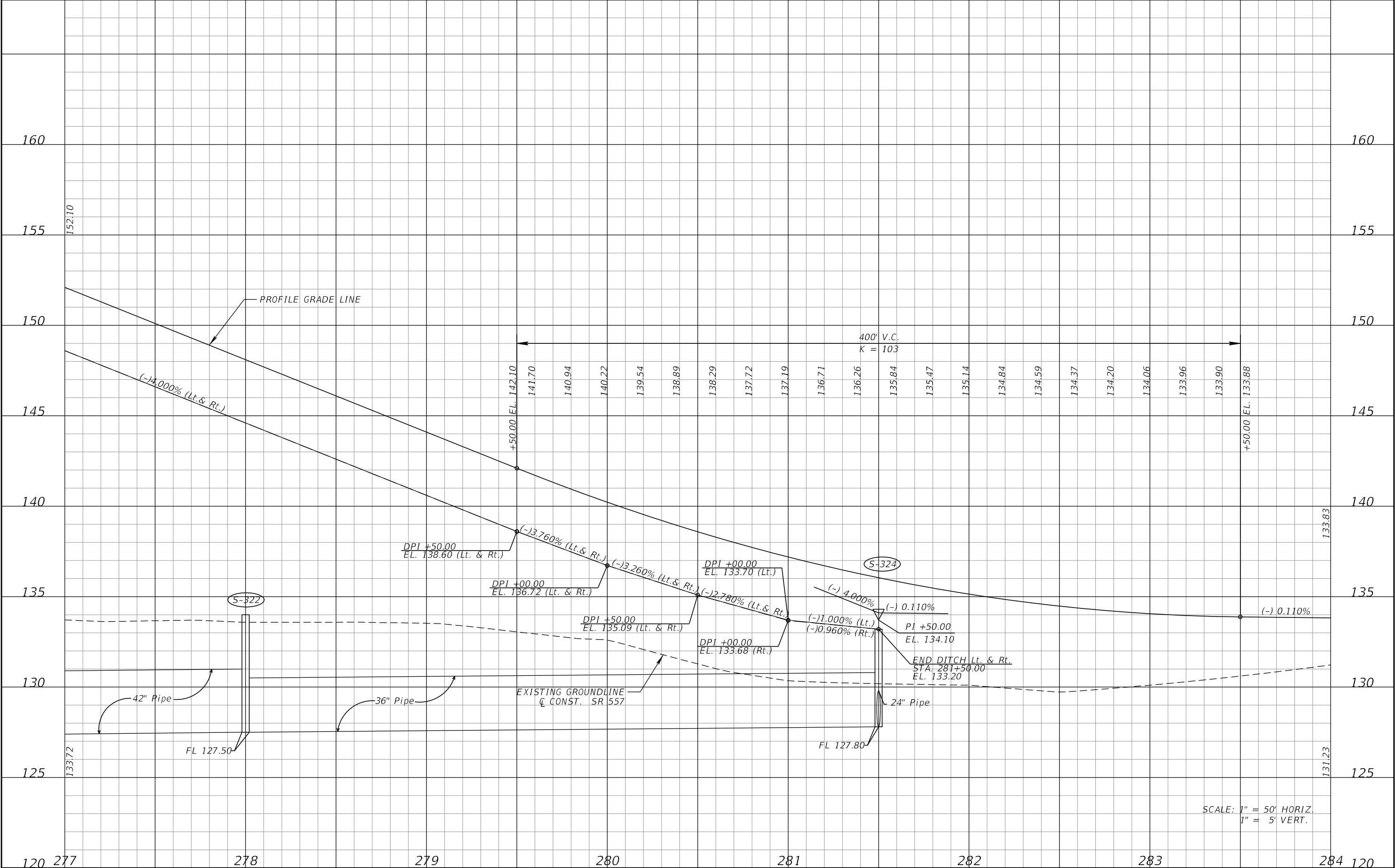
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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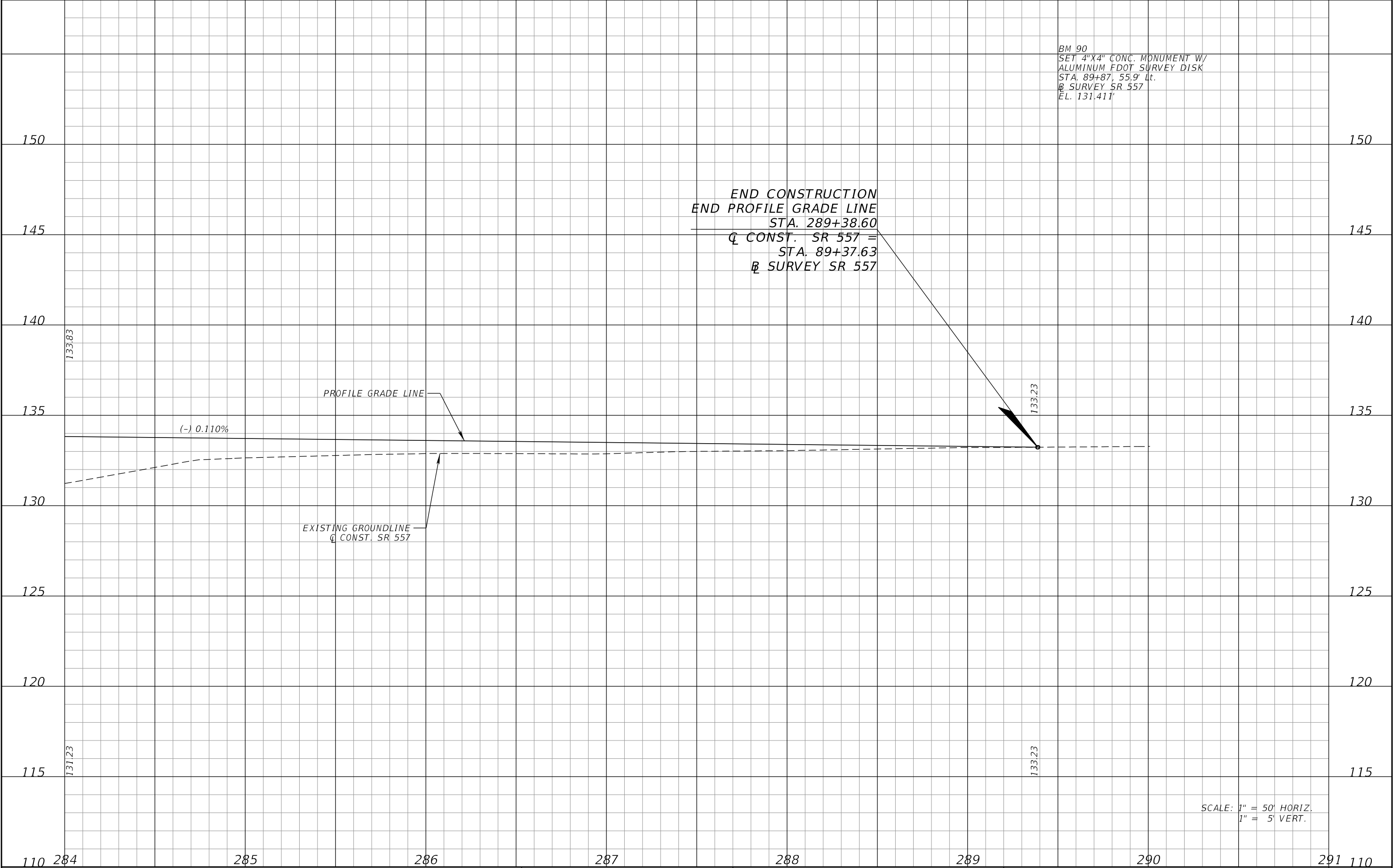
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		102
					SR 400	POLK	201215-3-52-01		

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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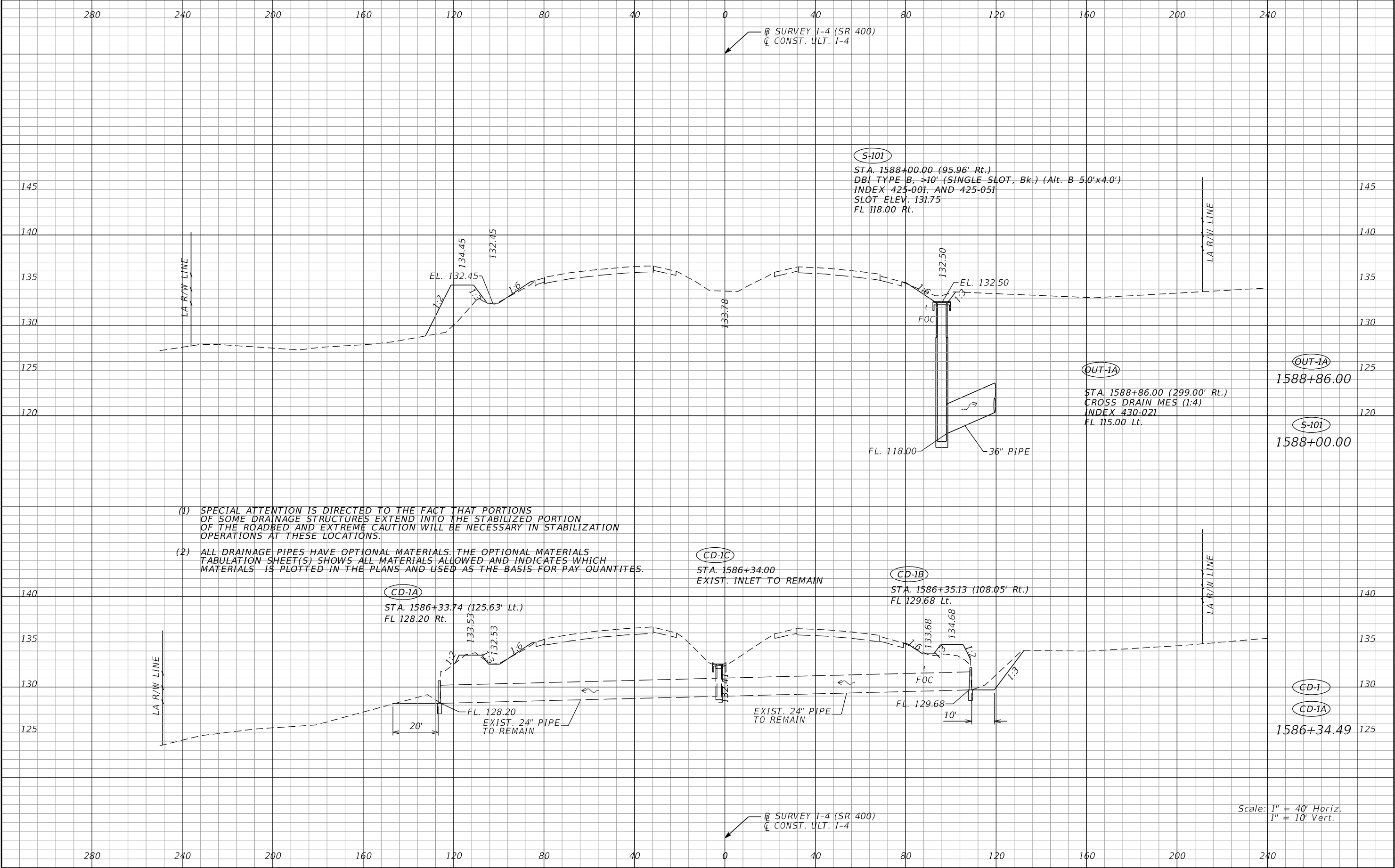
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SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

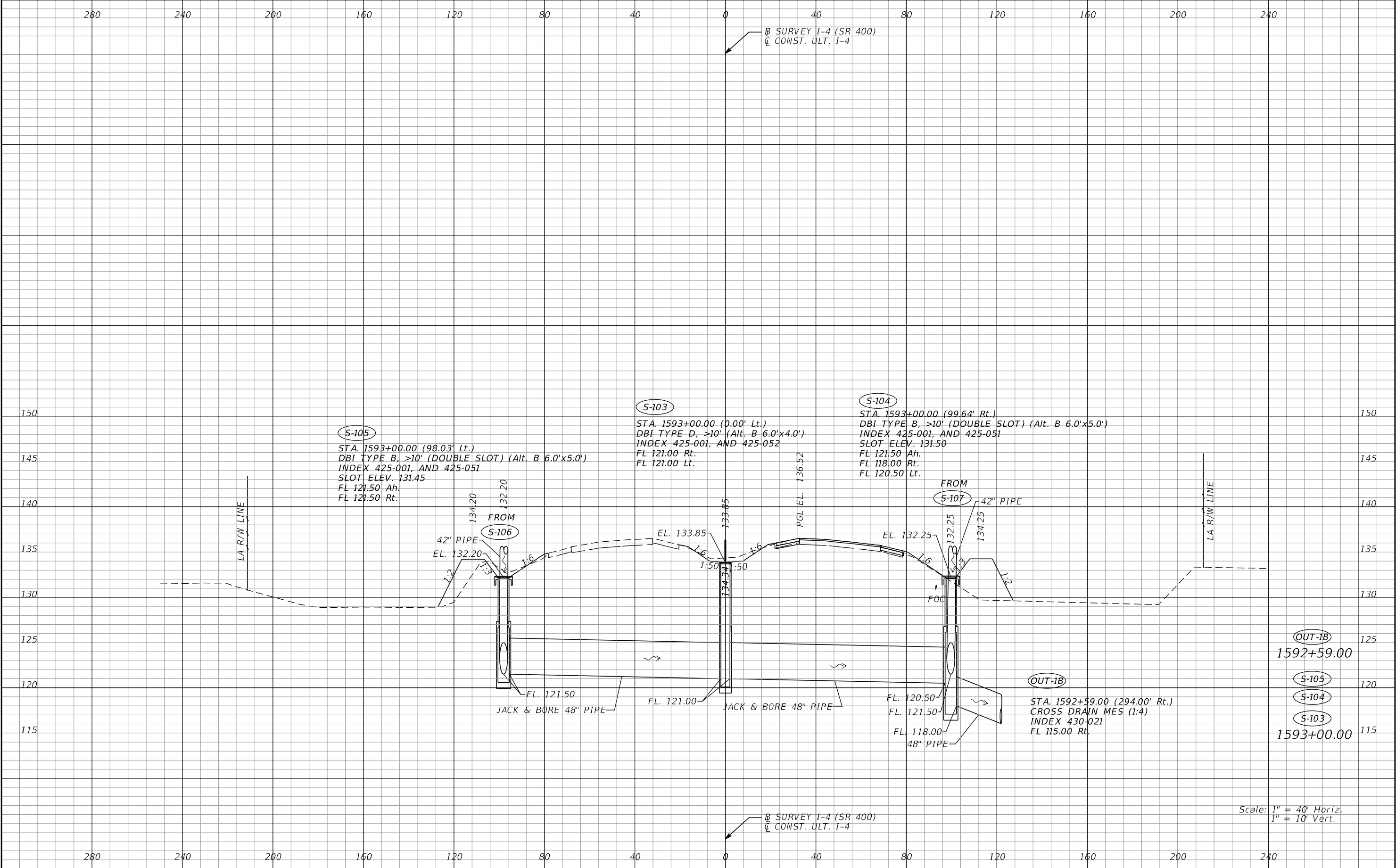
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		104
					SR 400	POLK	201215-3-52-01		

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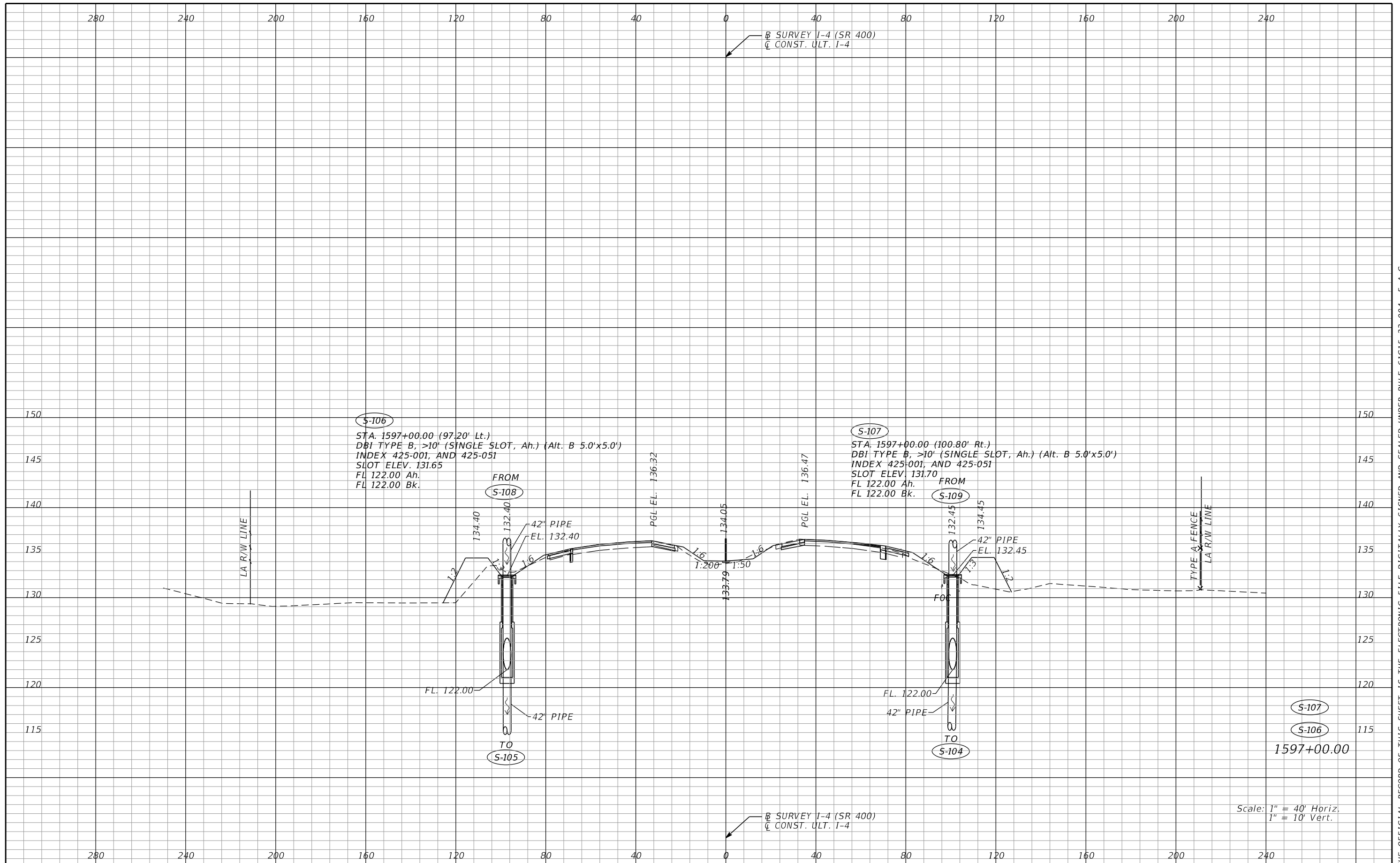
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 111
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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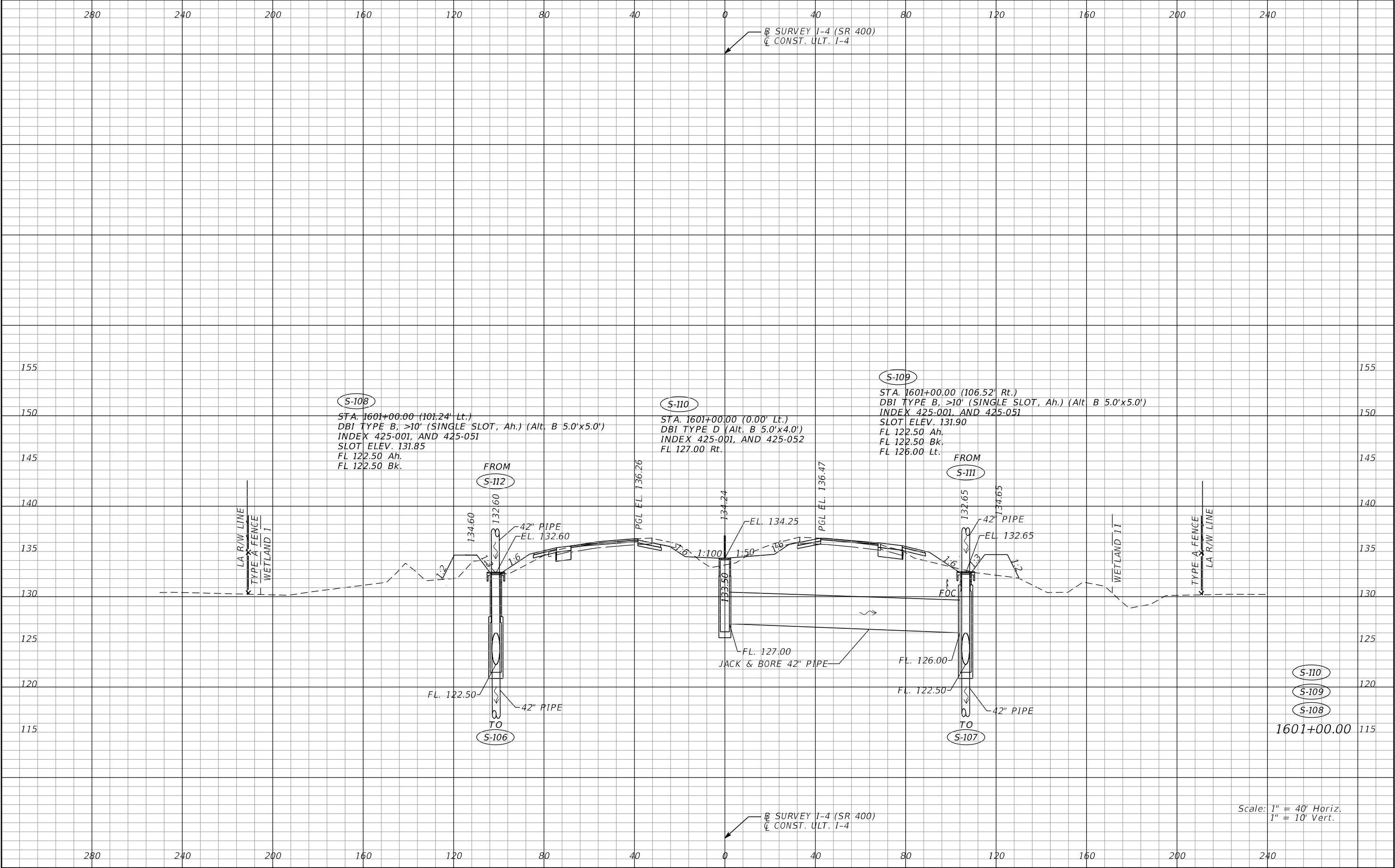
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 112
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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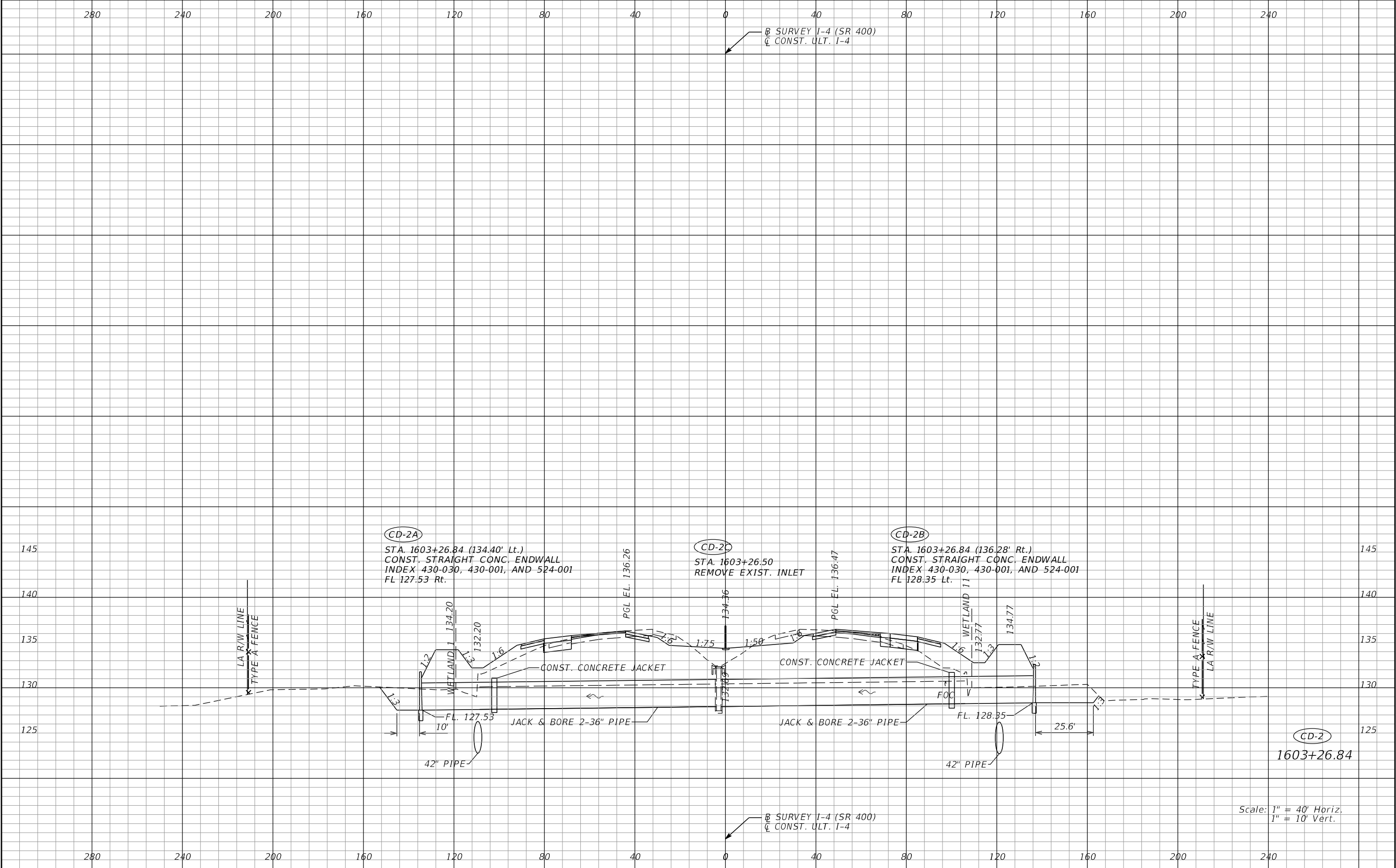
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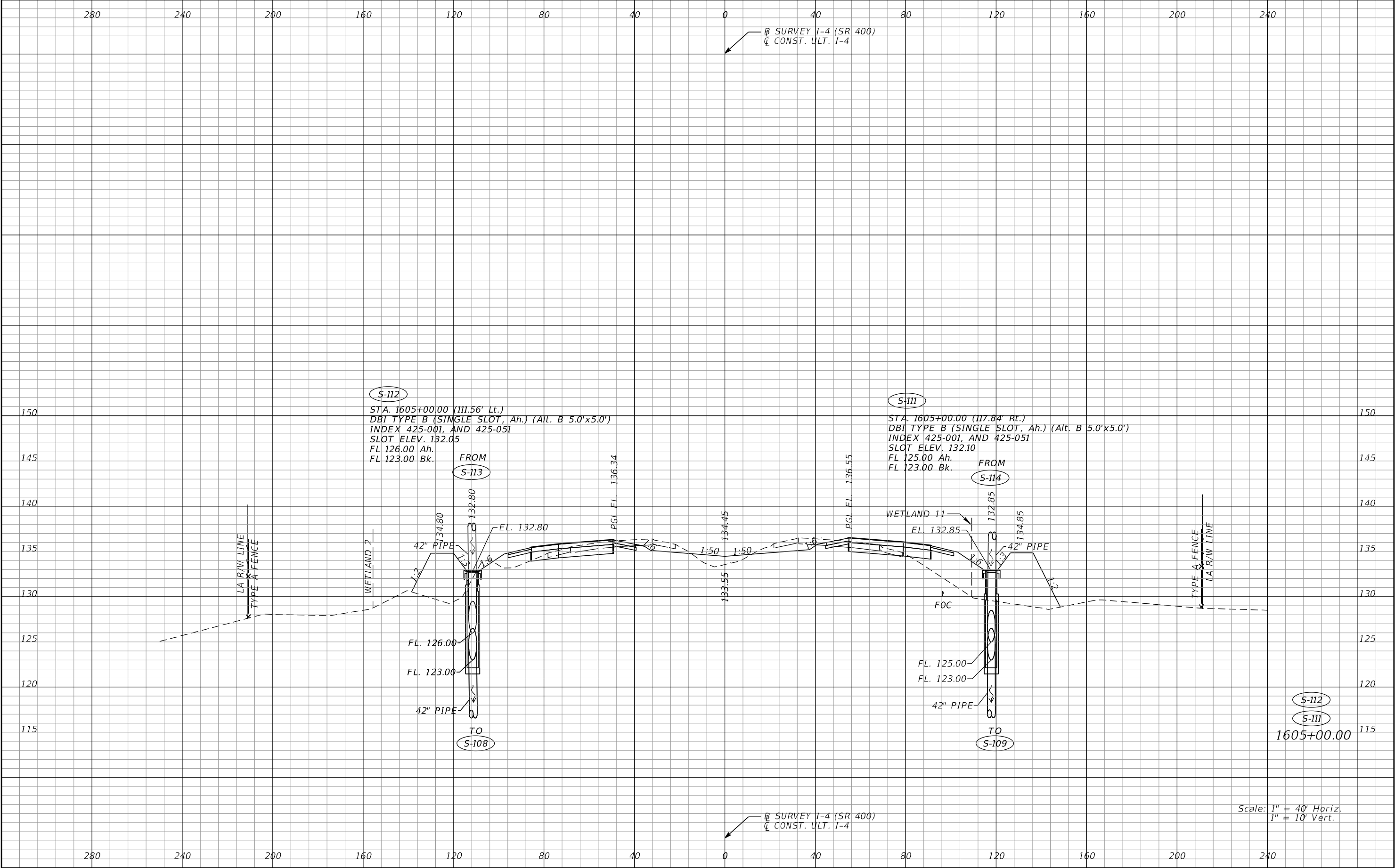
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 114
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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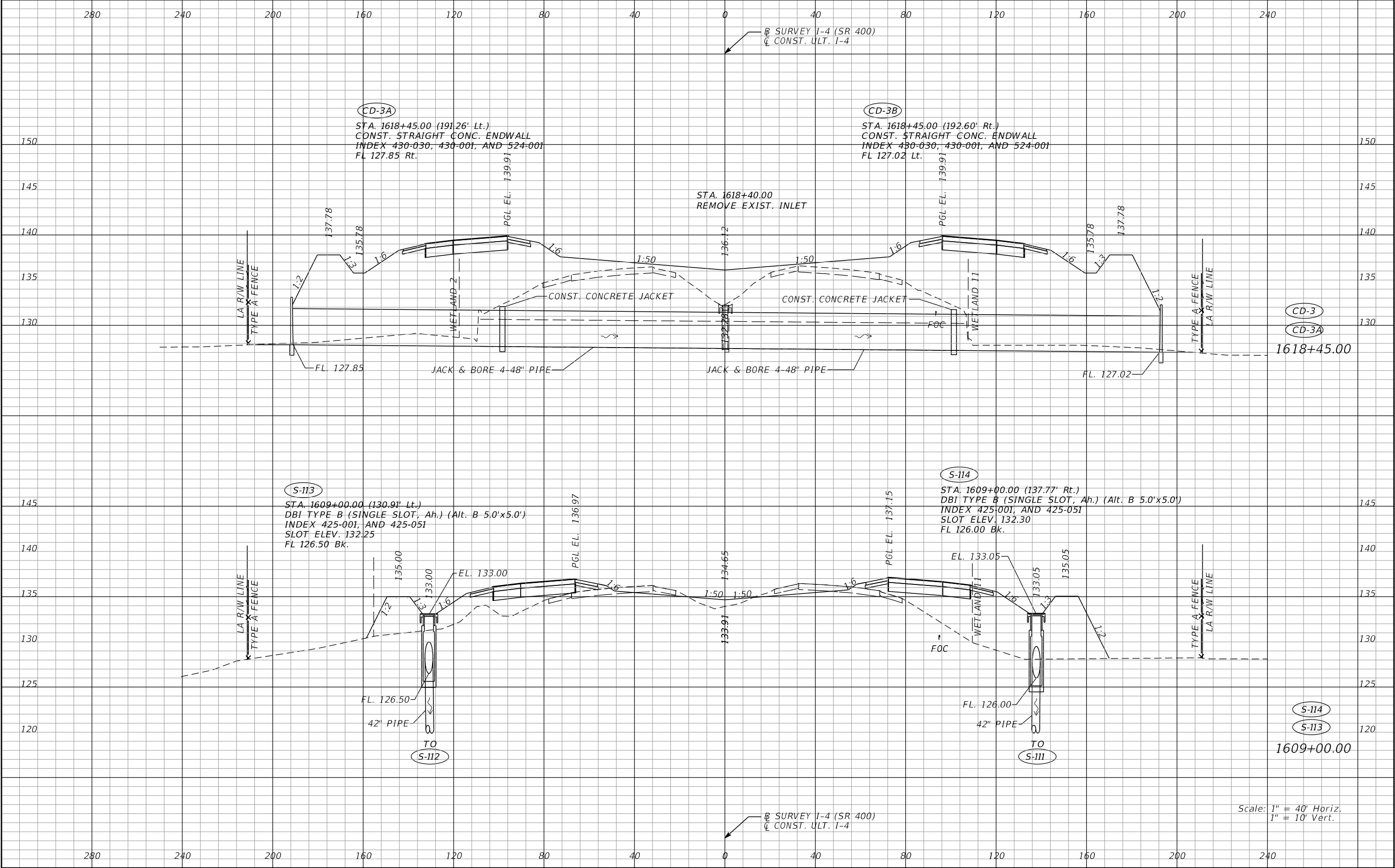
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 115
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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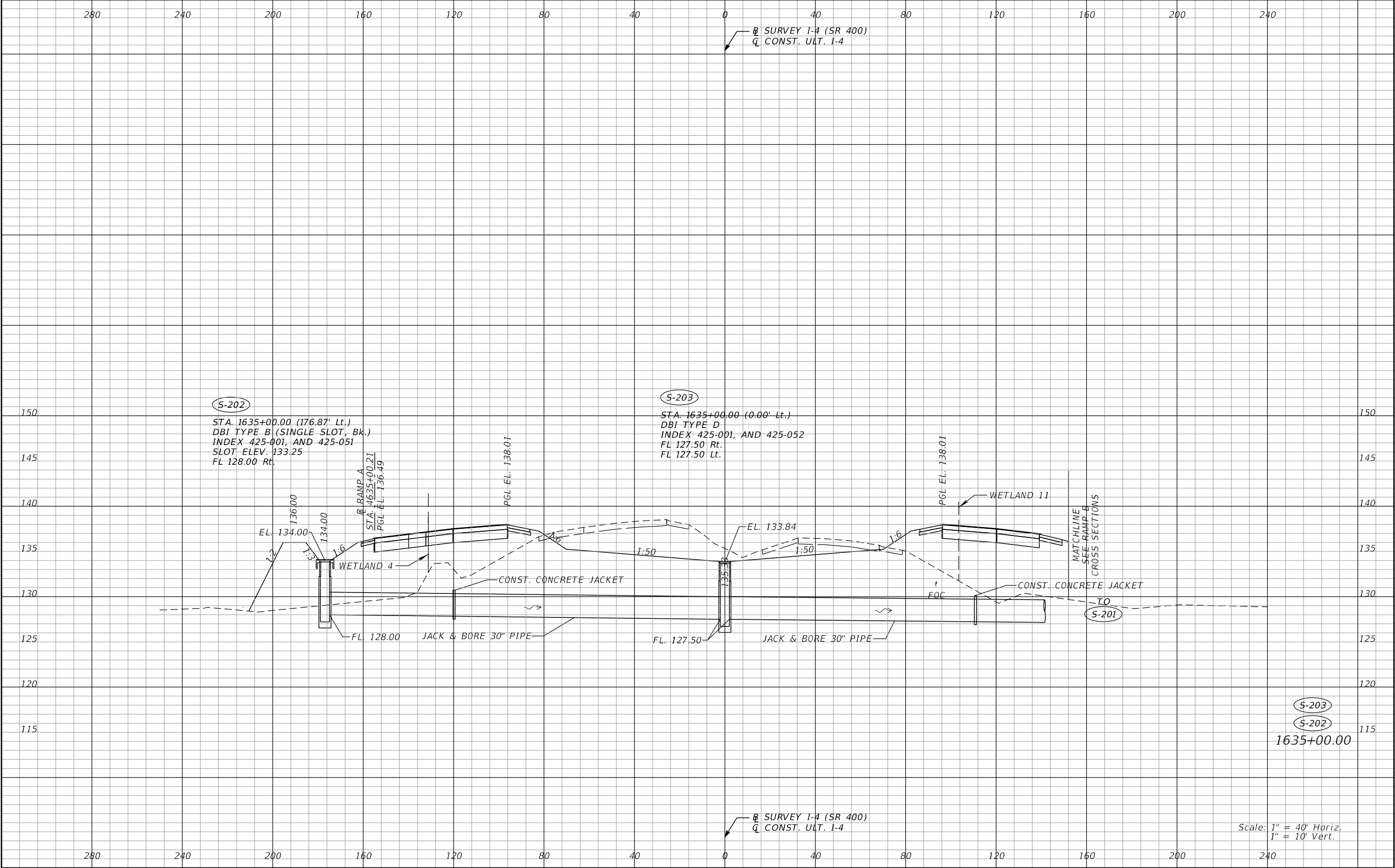
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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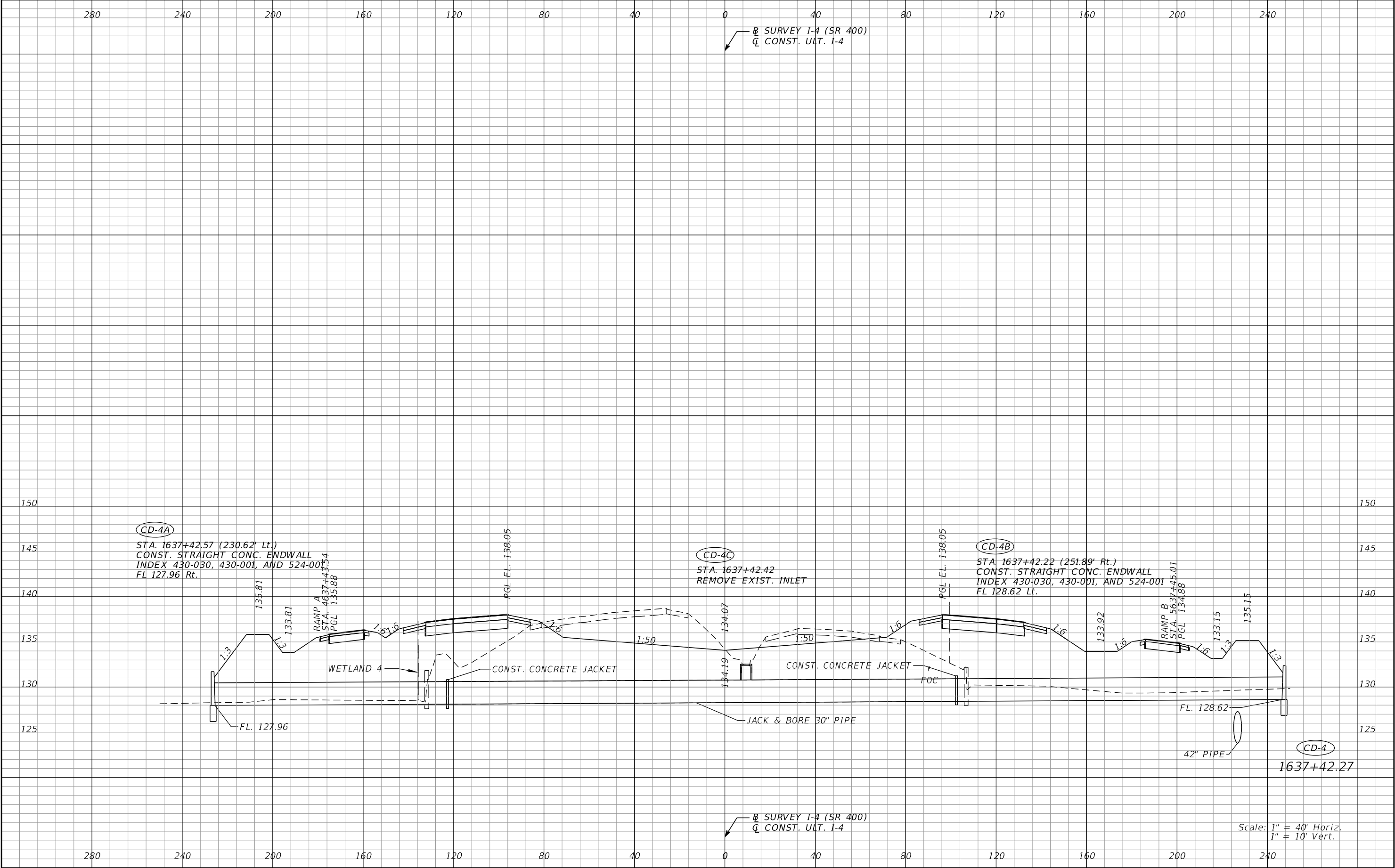
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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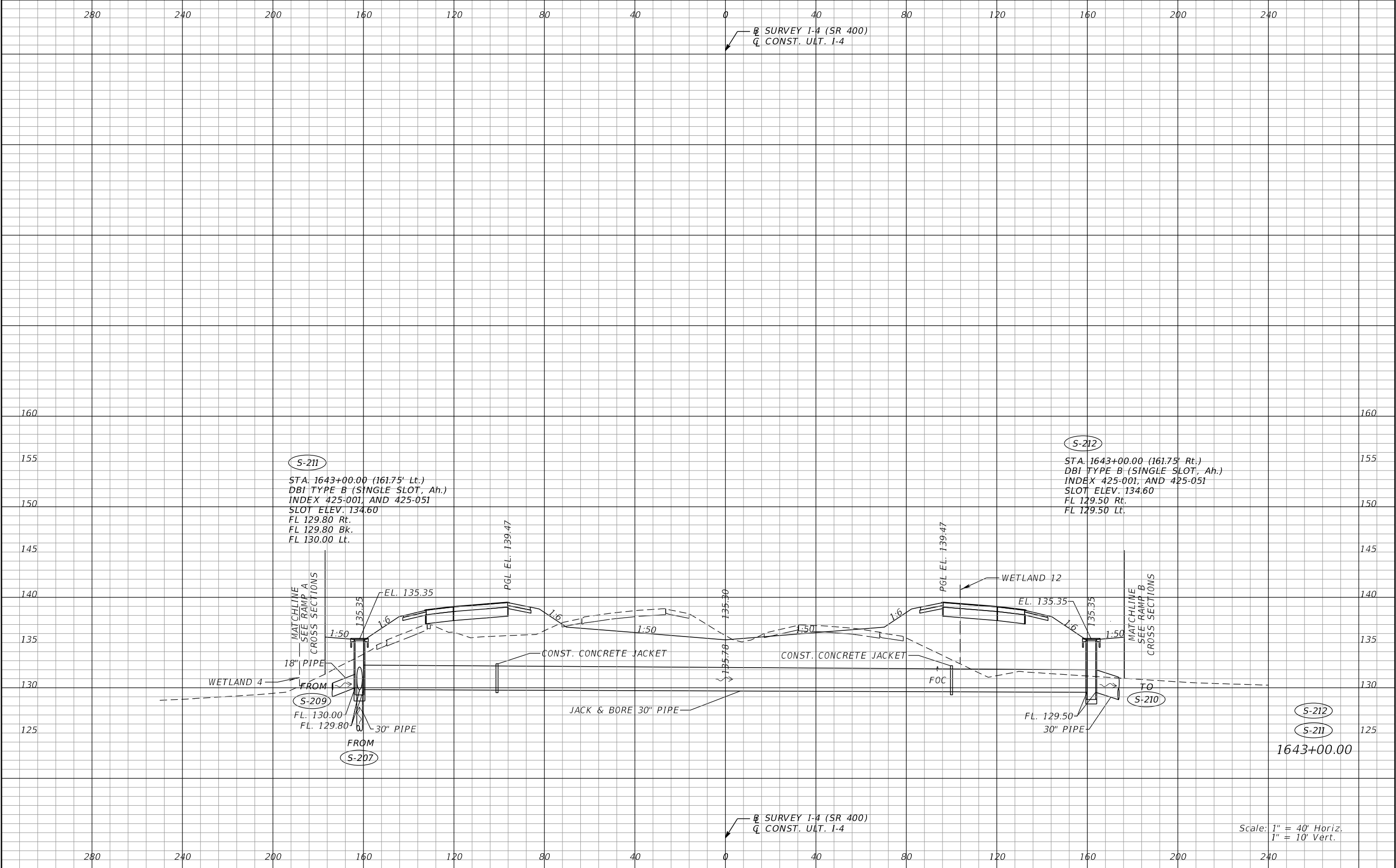
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 118
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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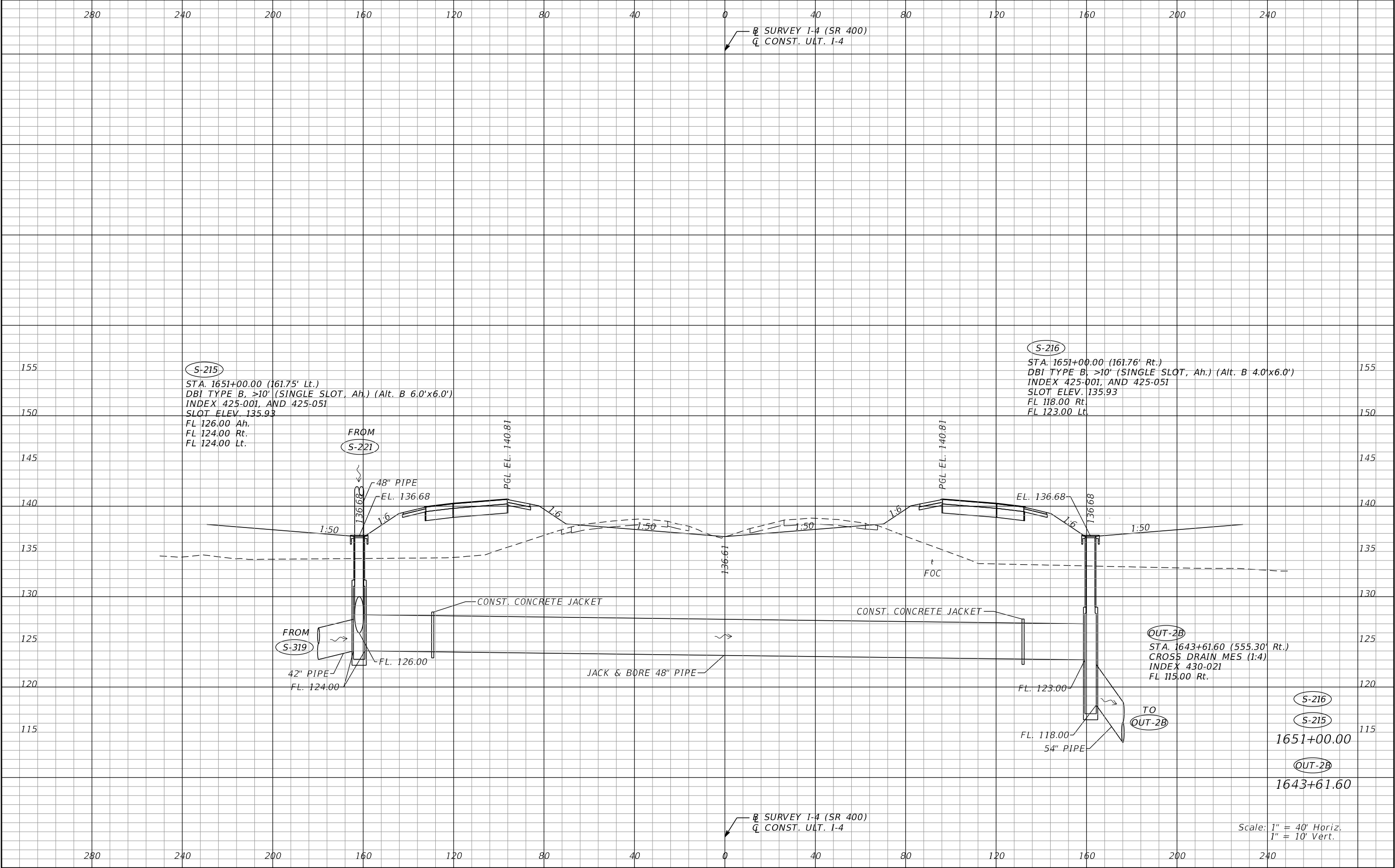
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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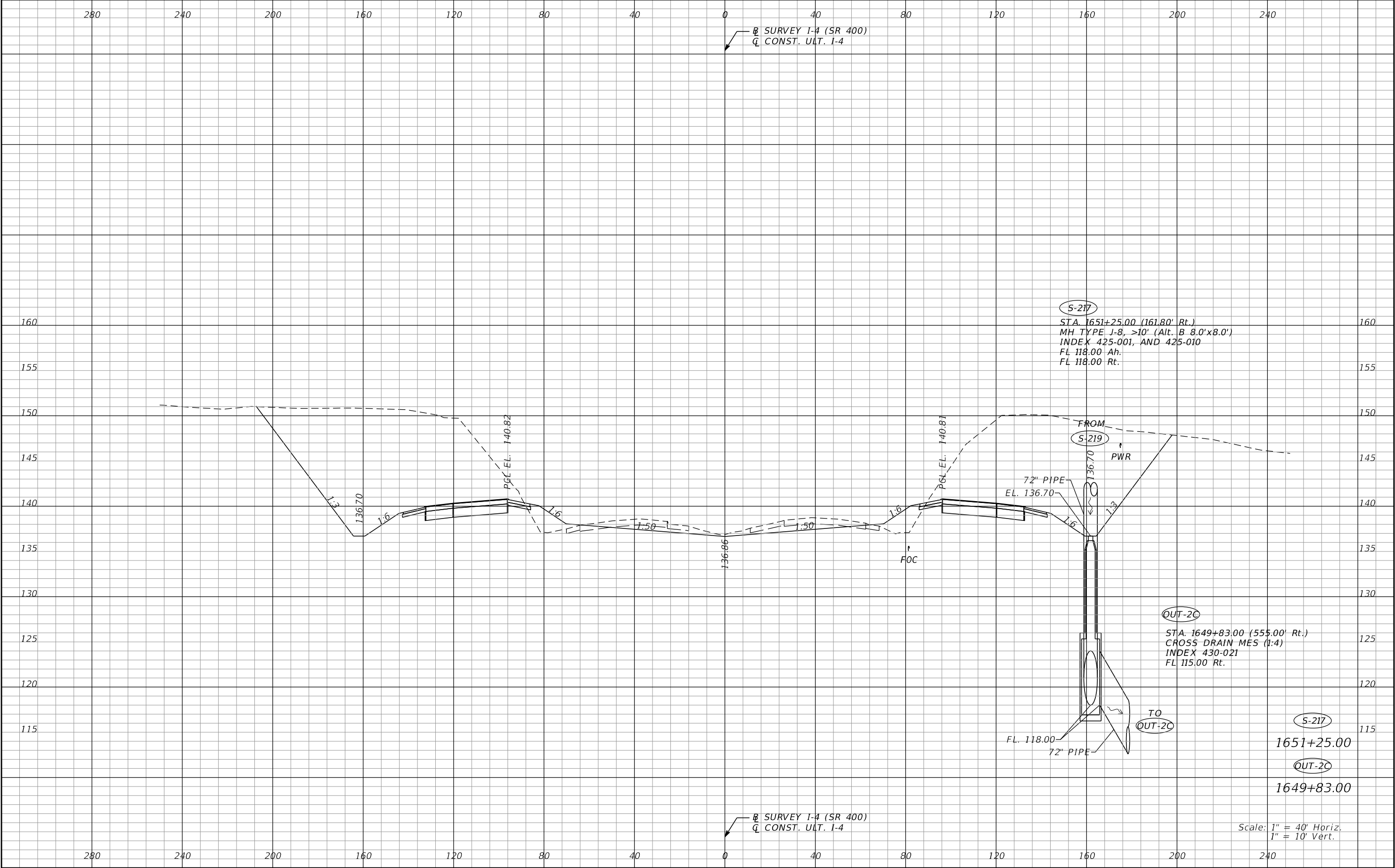
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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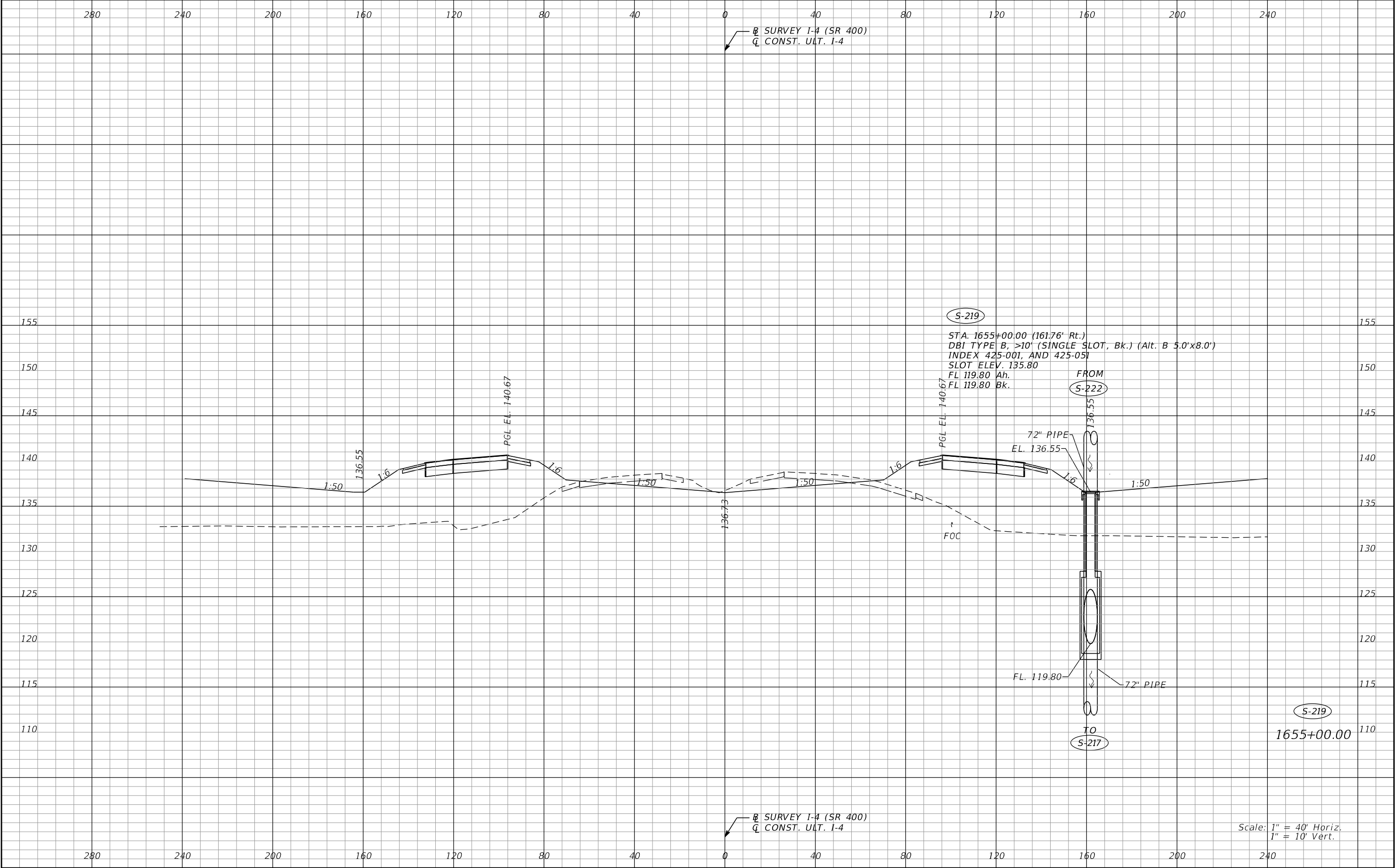
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		121

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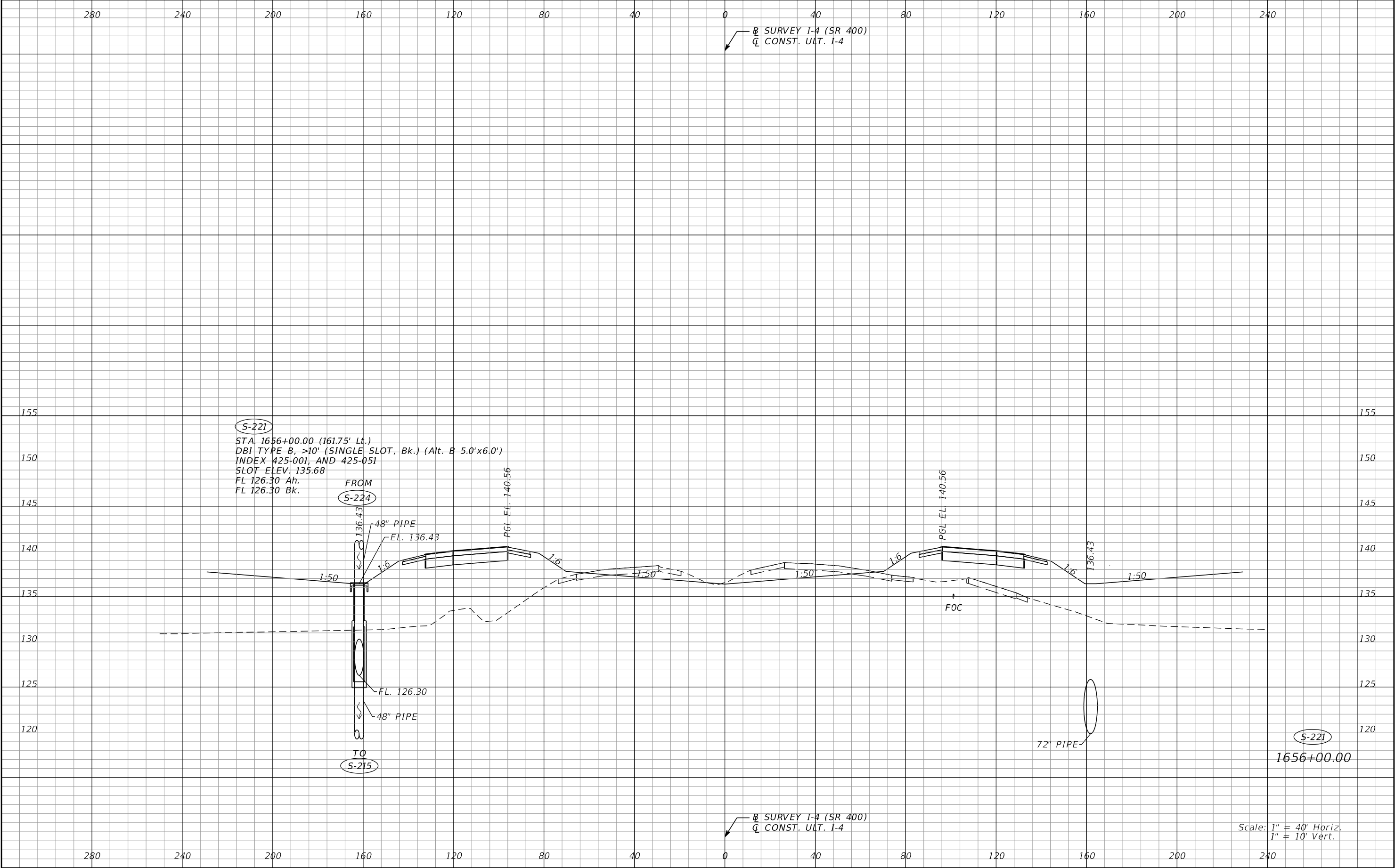
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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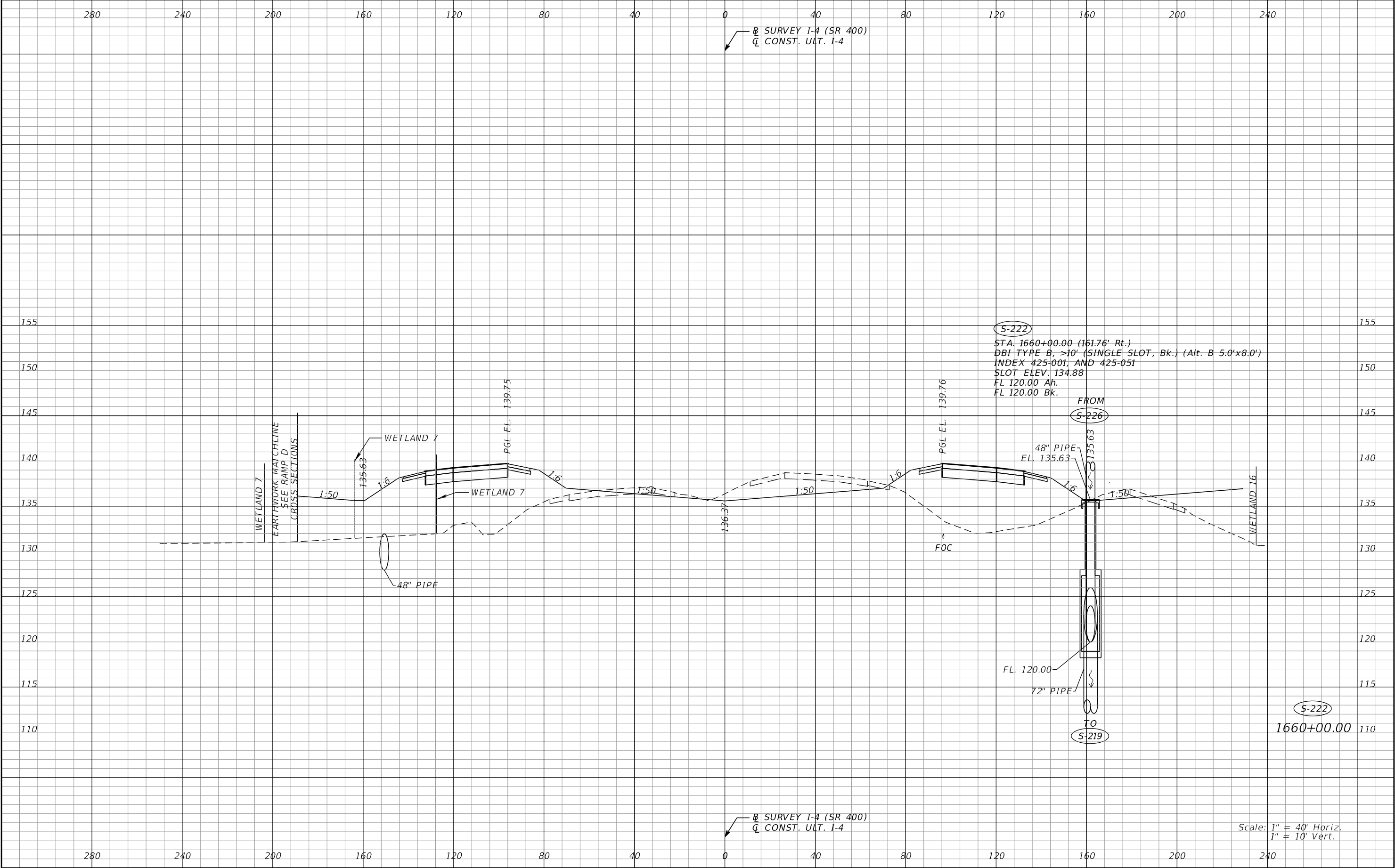
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 123
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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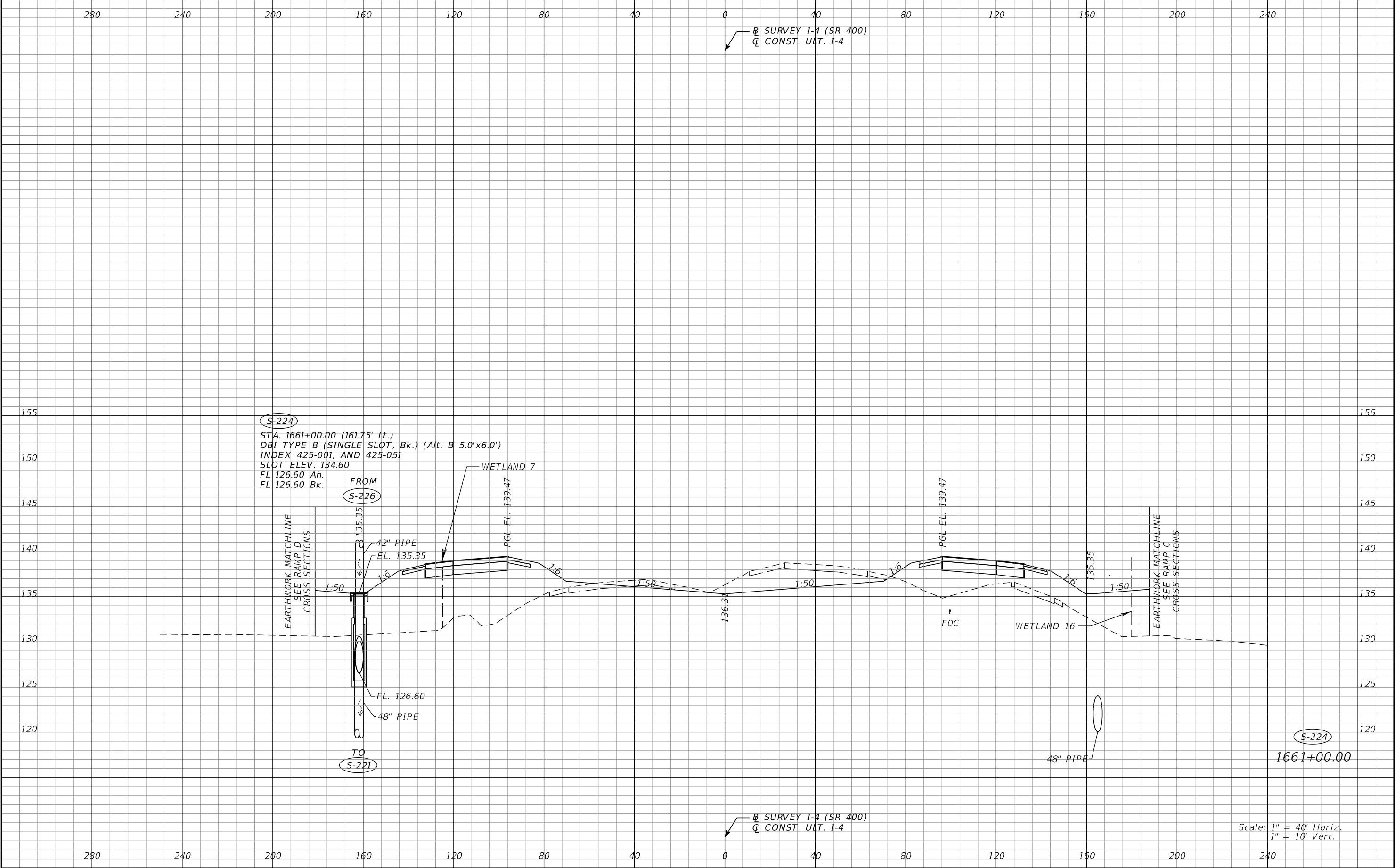
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 124
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 125
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

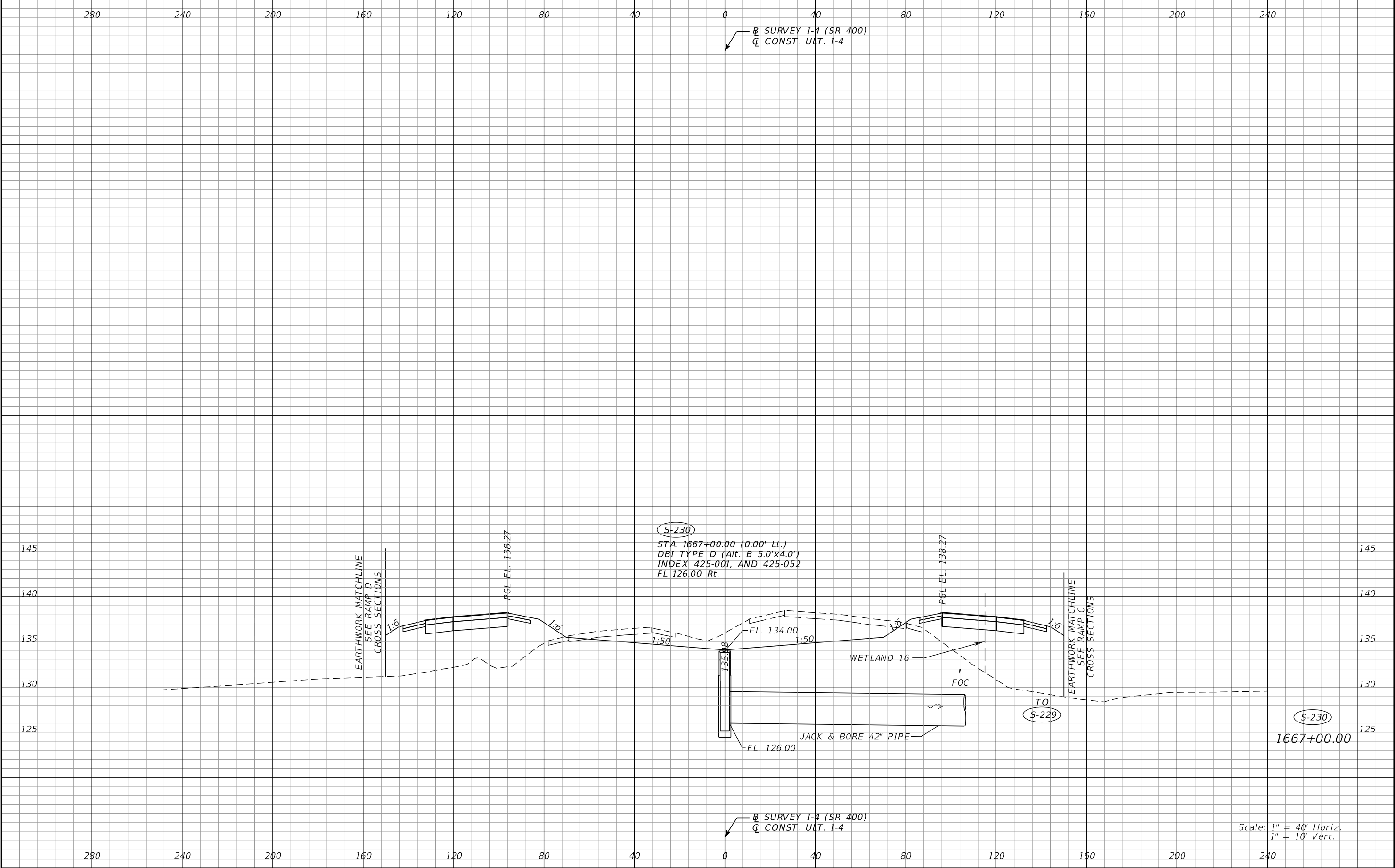
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 126
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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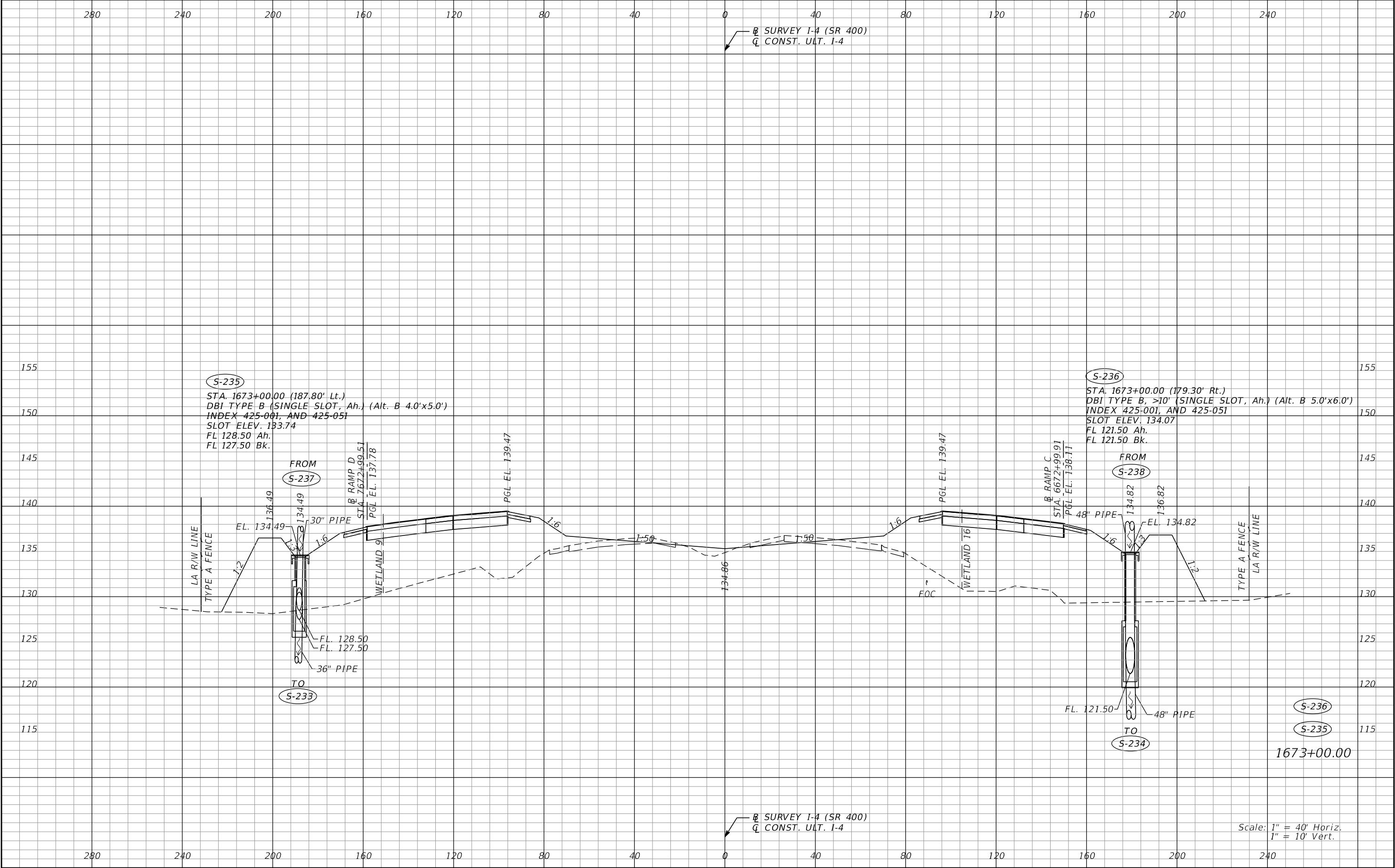
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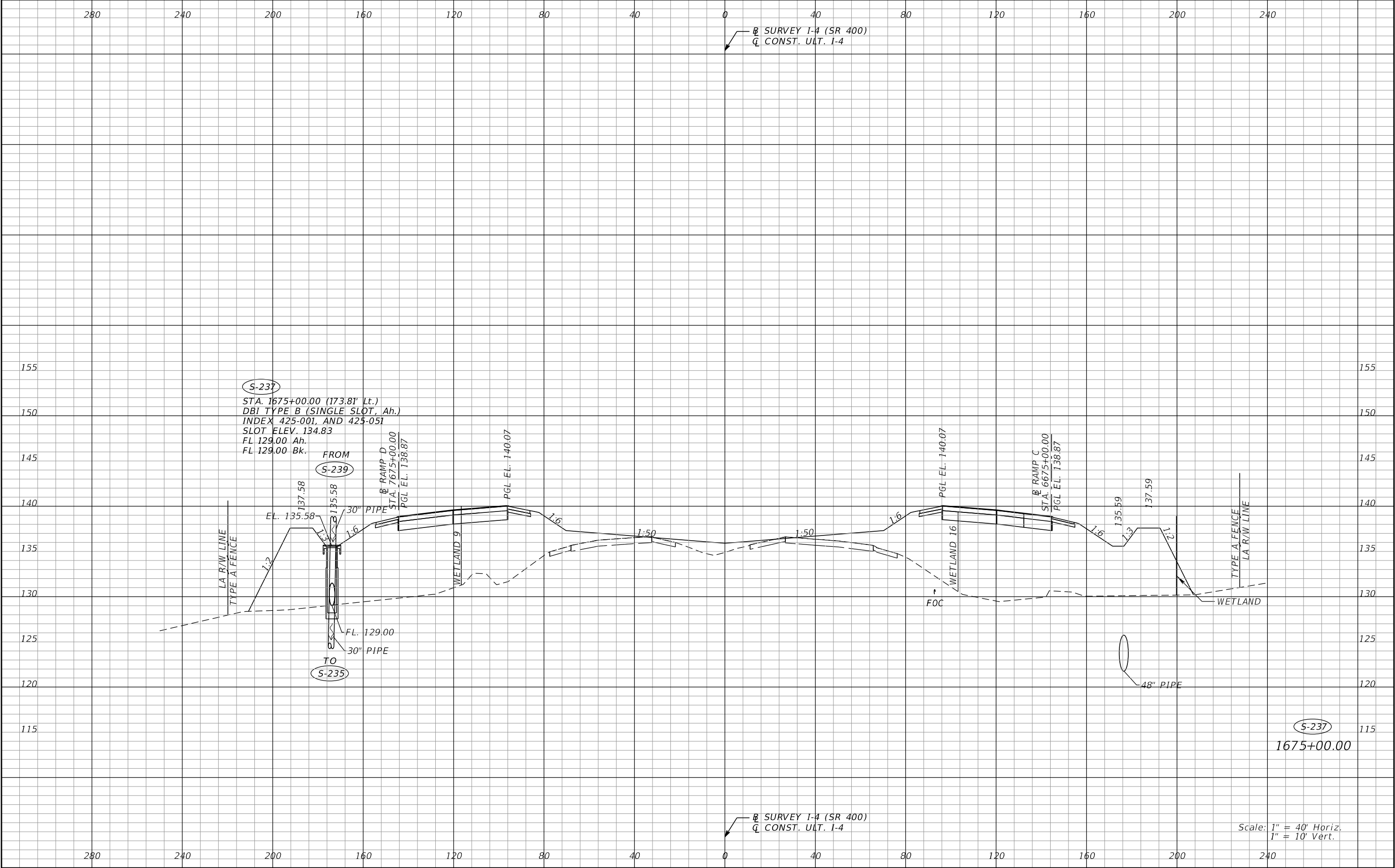
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 127
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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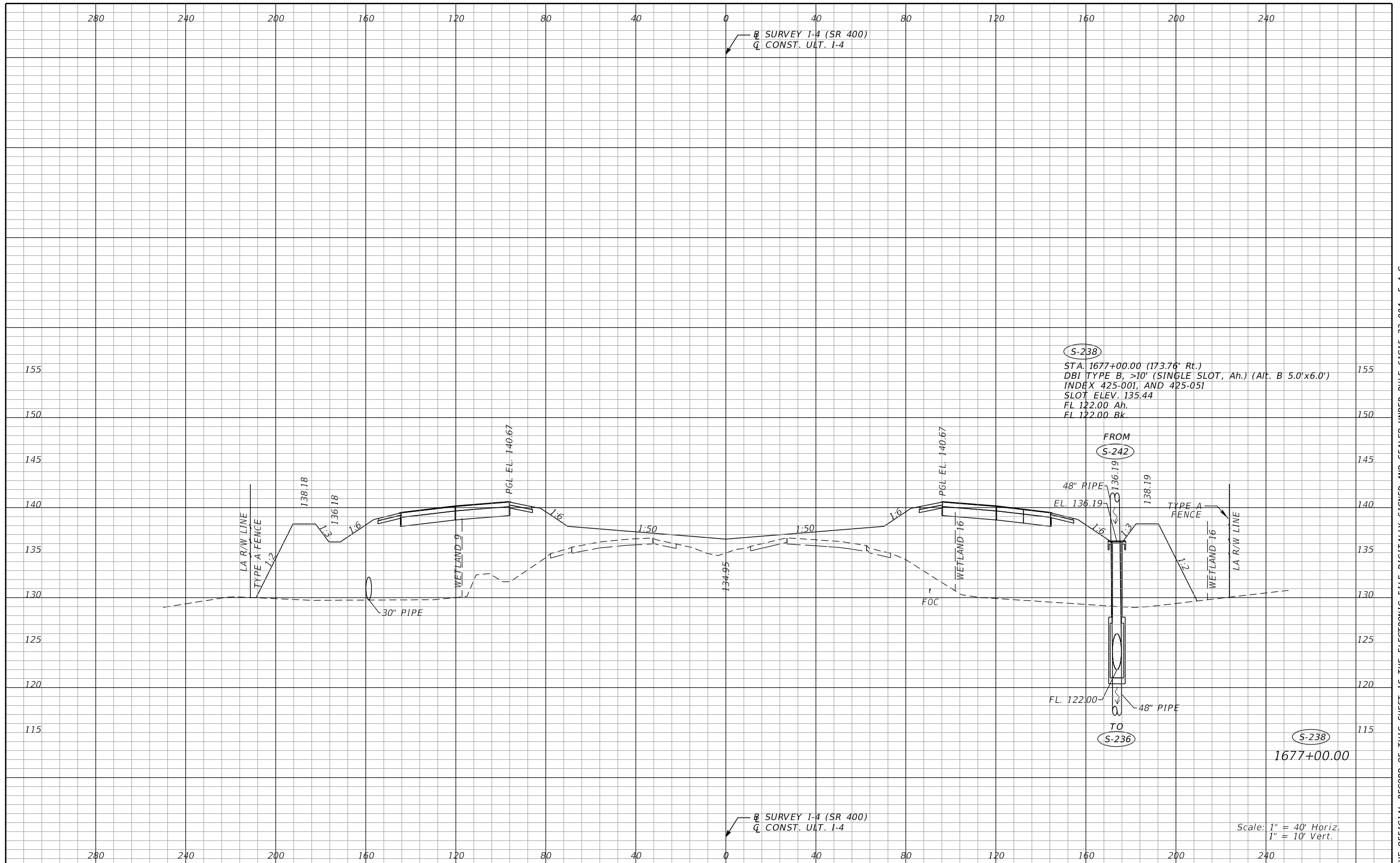
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 128
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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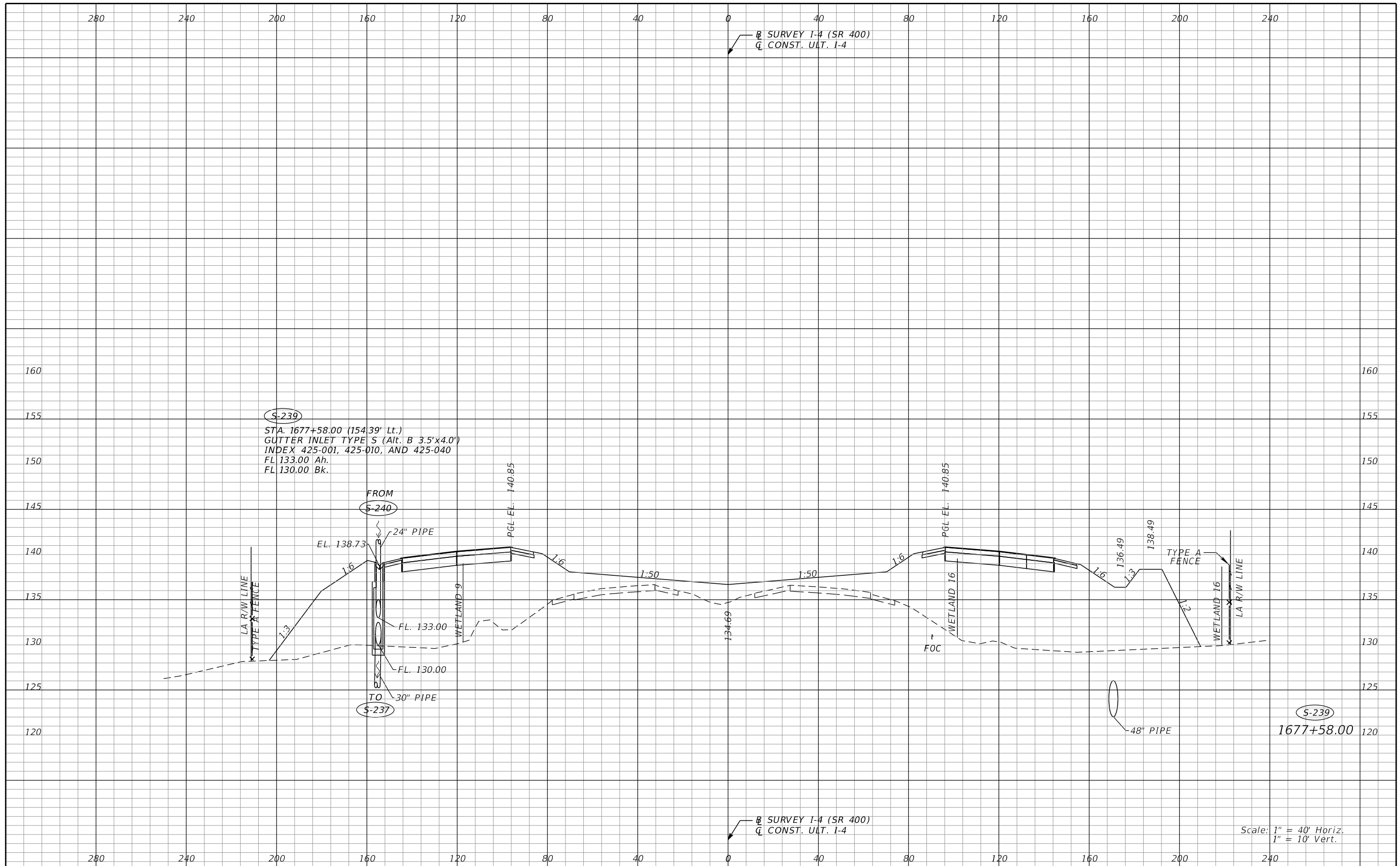


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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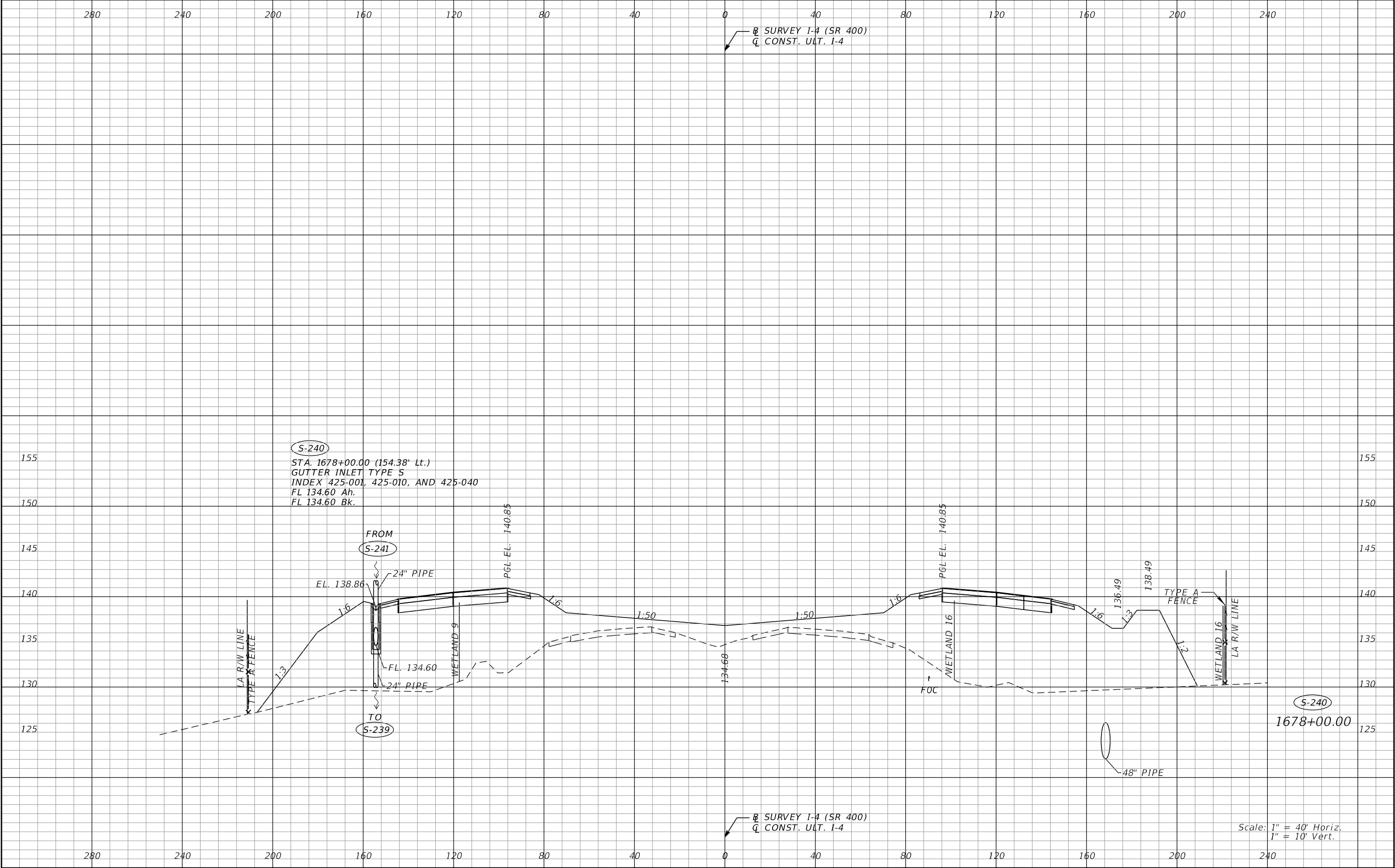
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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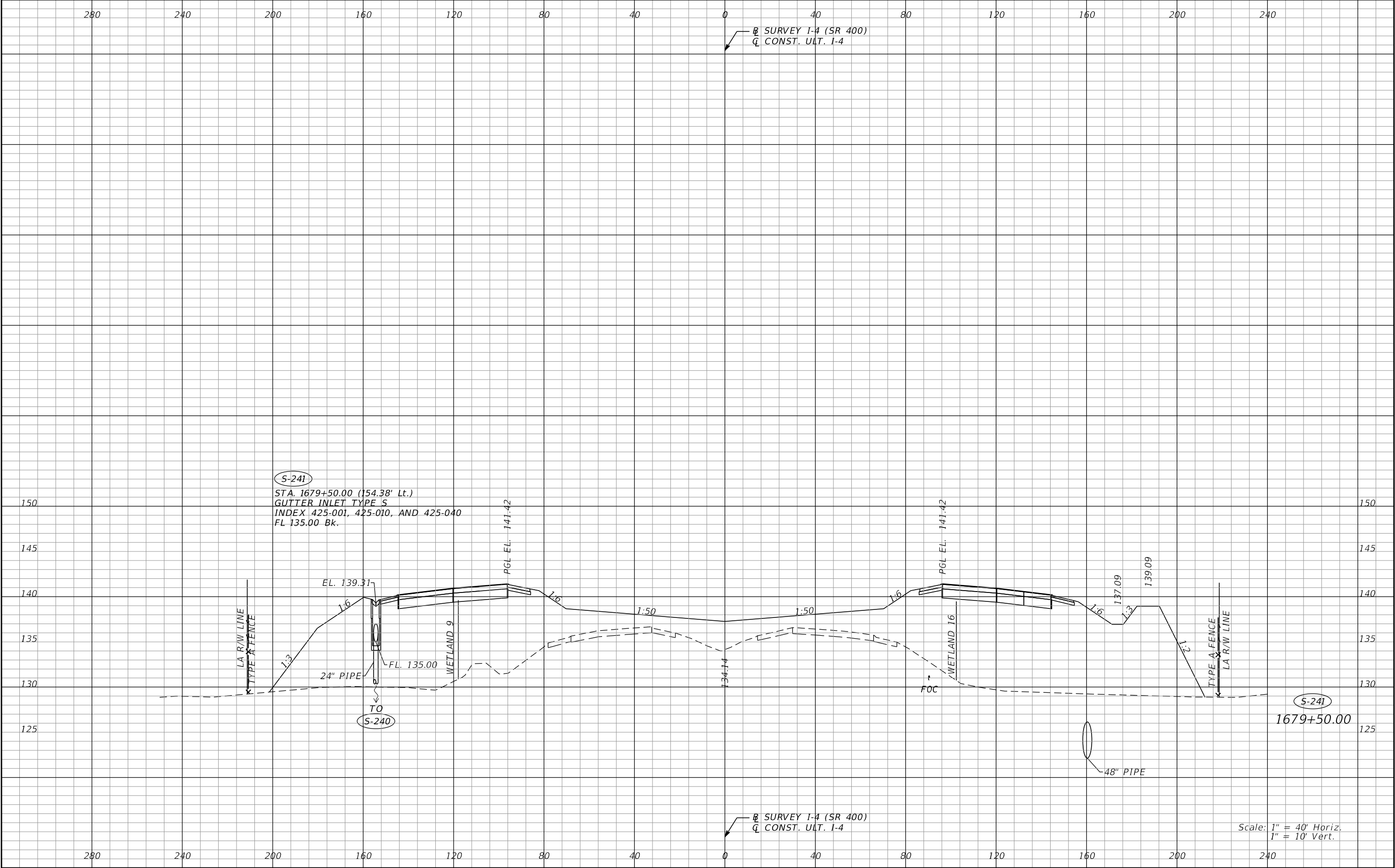


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 131
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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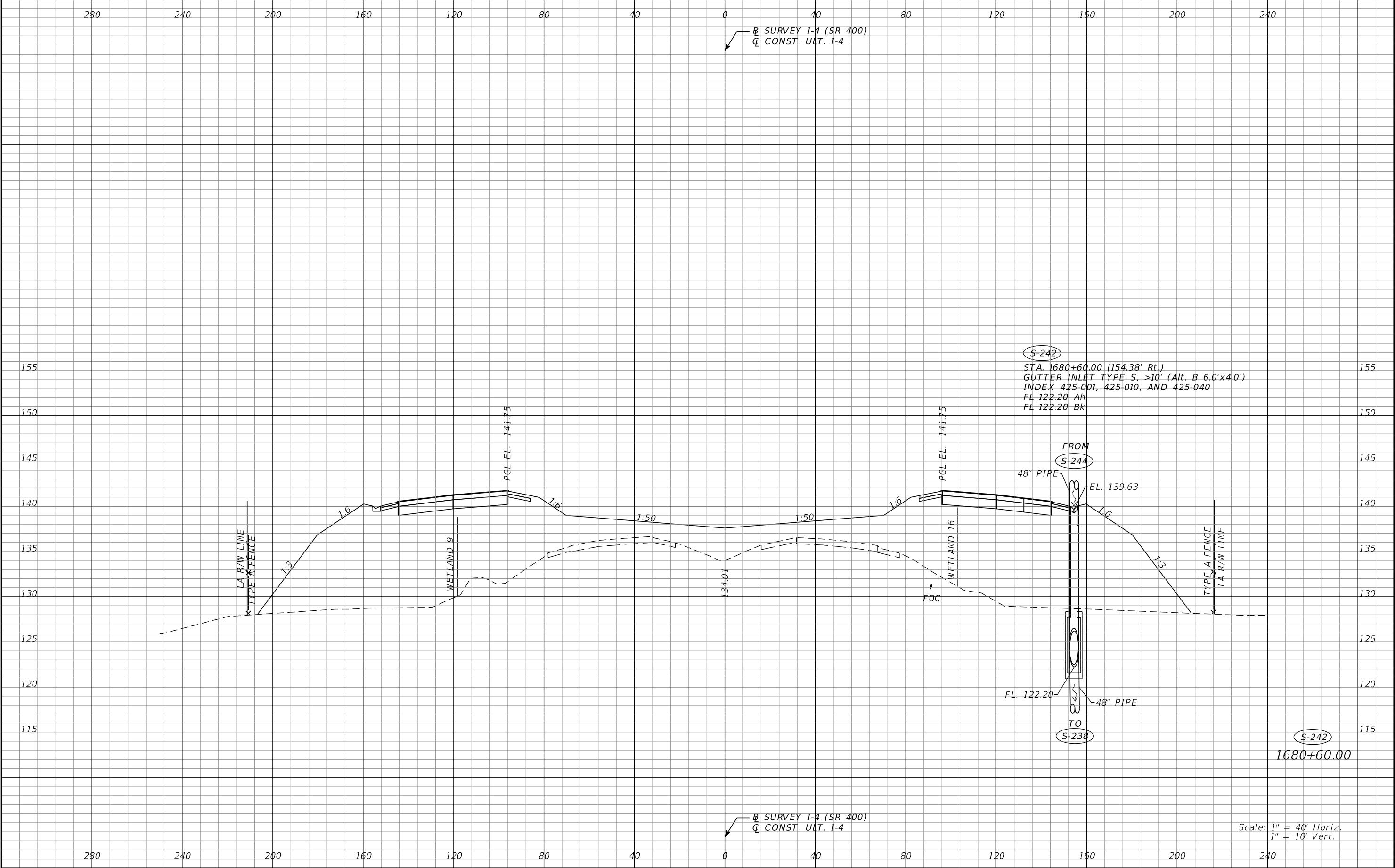
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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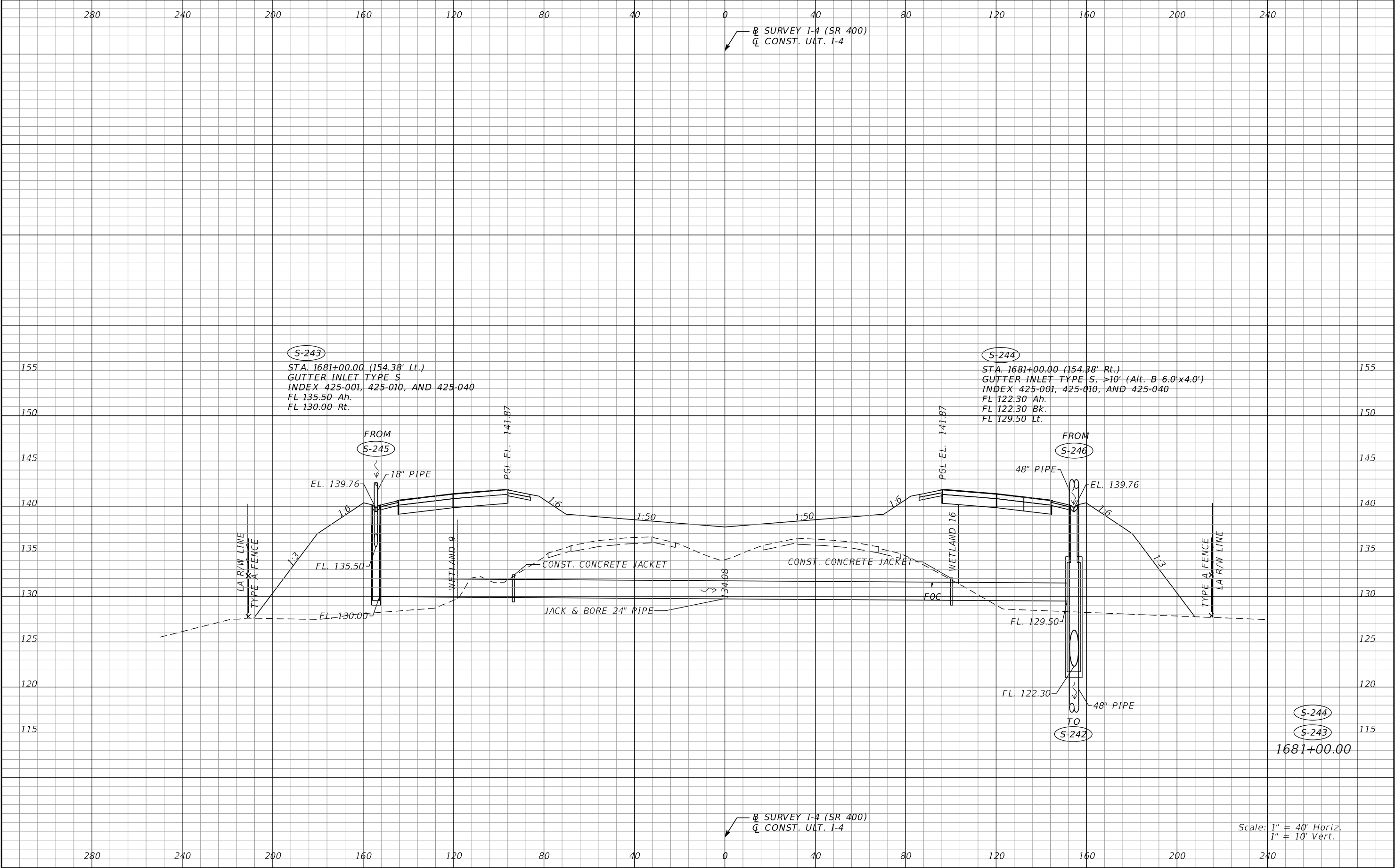
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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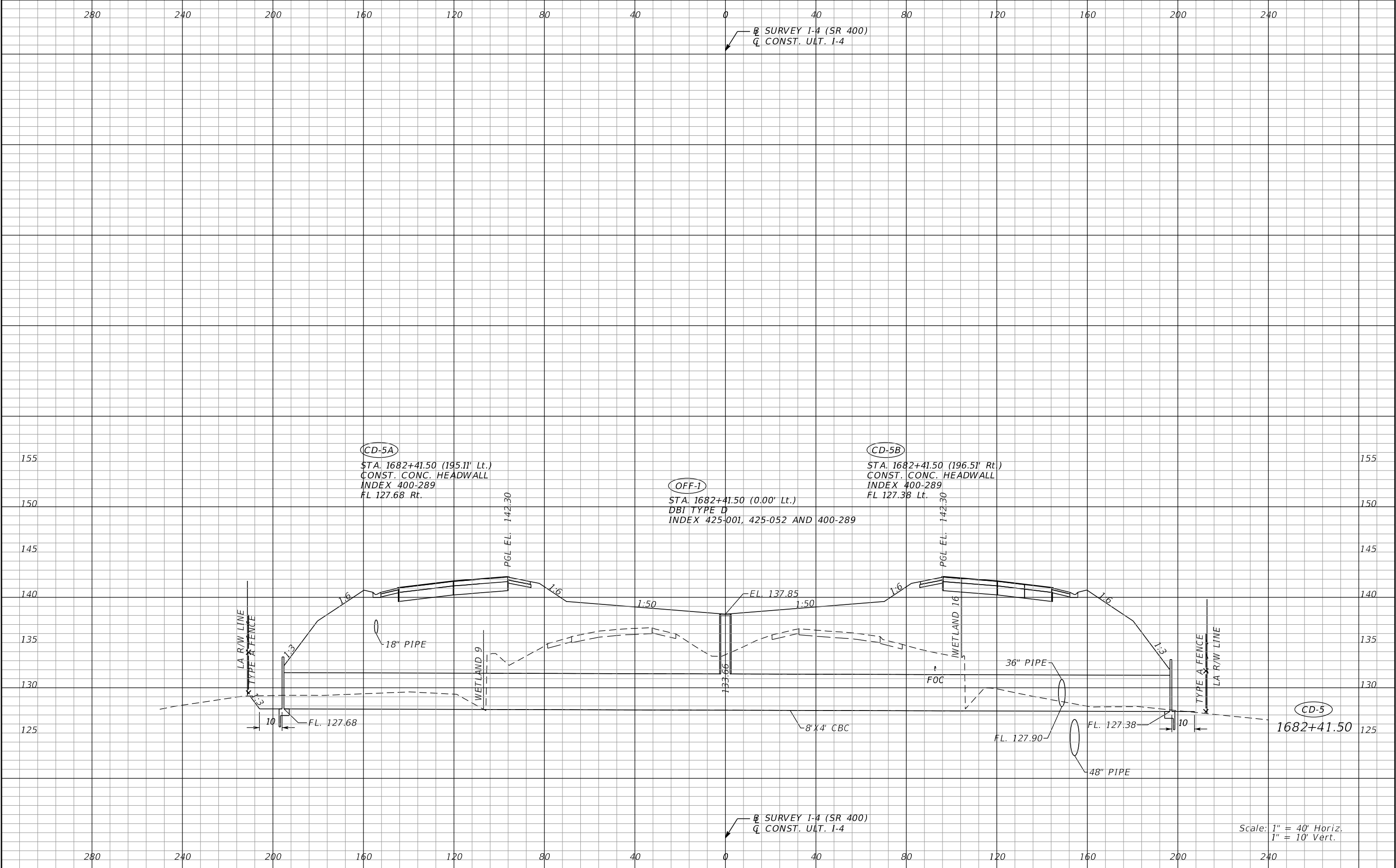
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 134
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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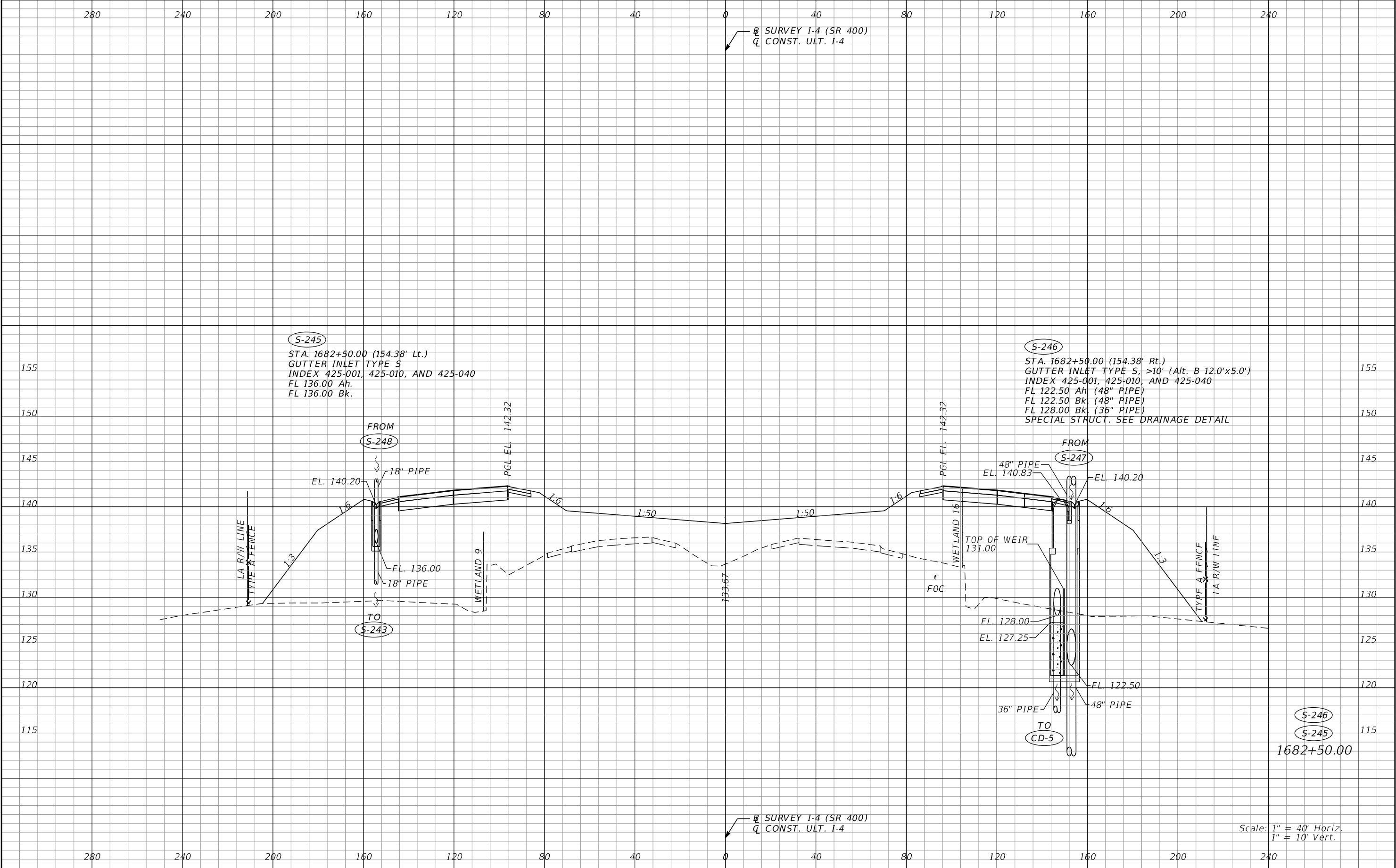
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 135
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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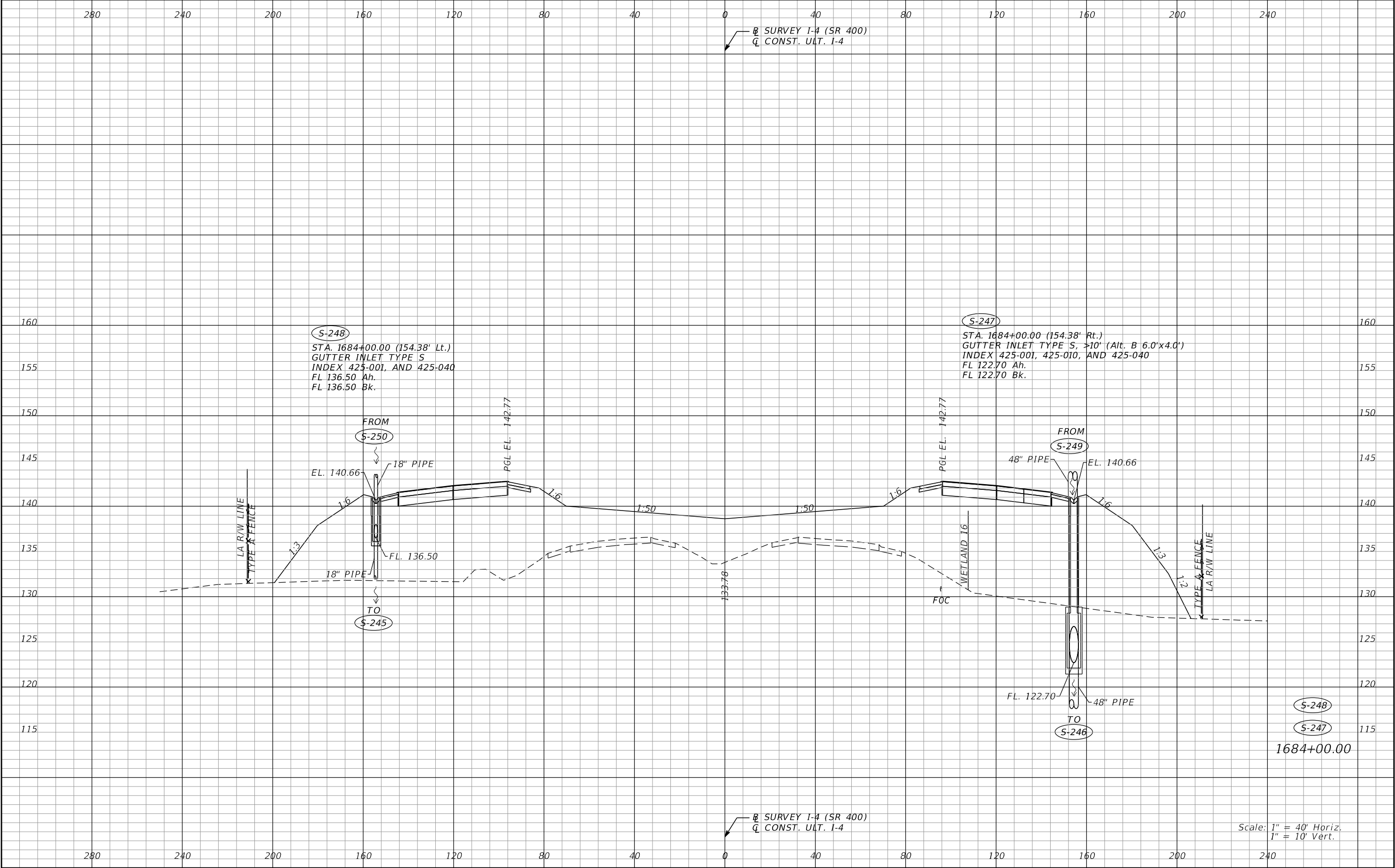
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 136
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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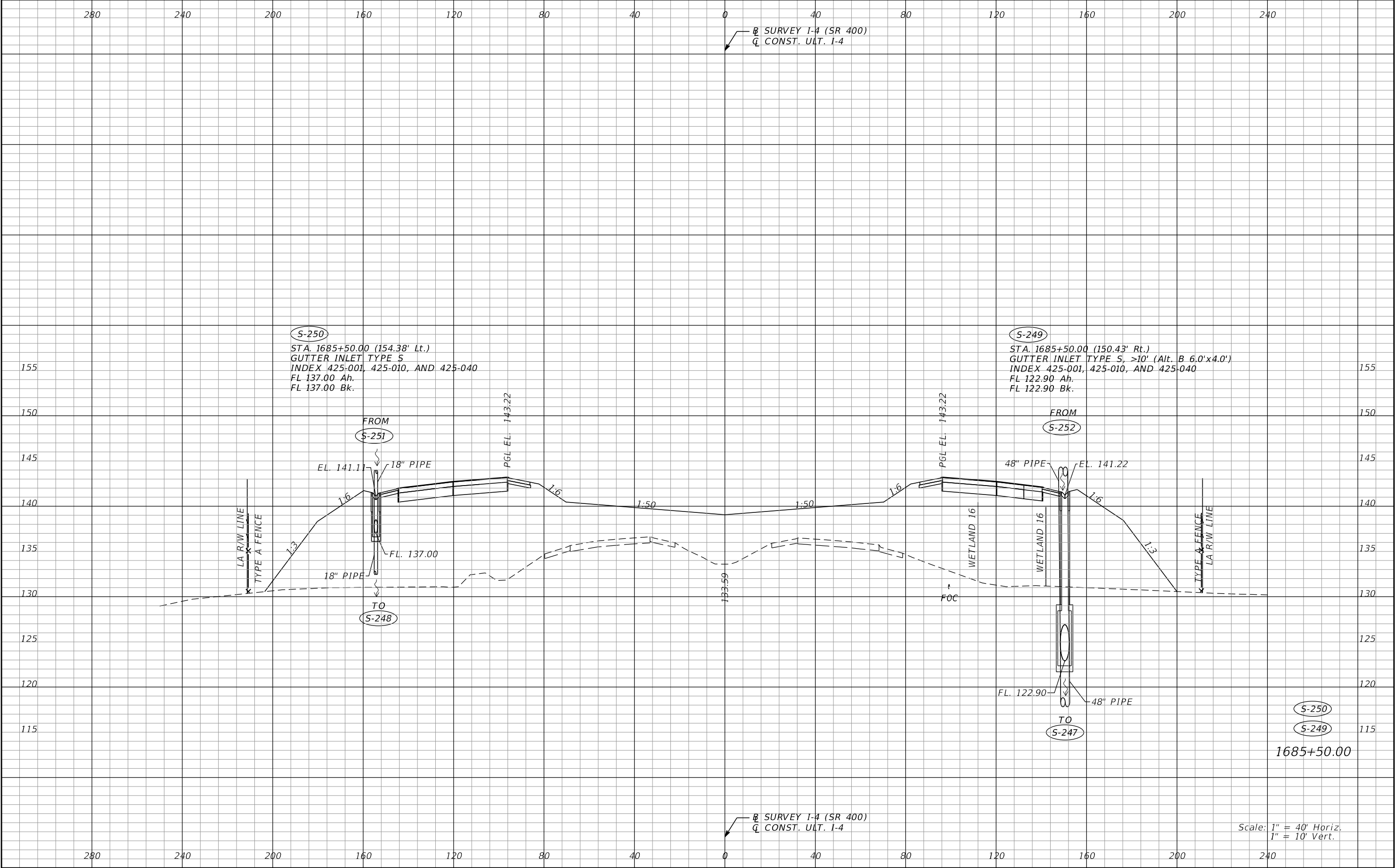
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 138
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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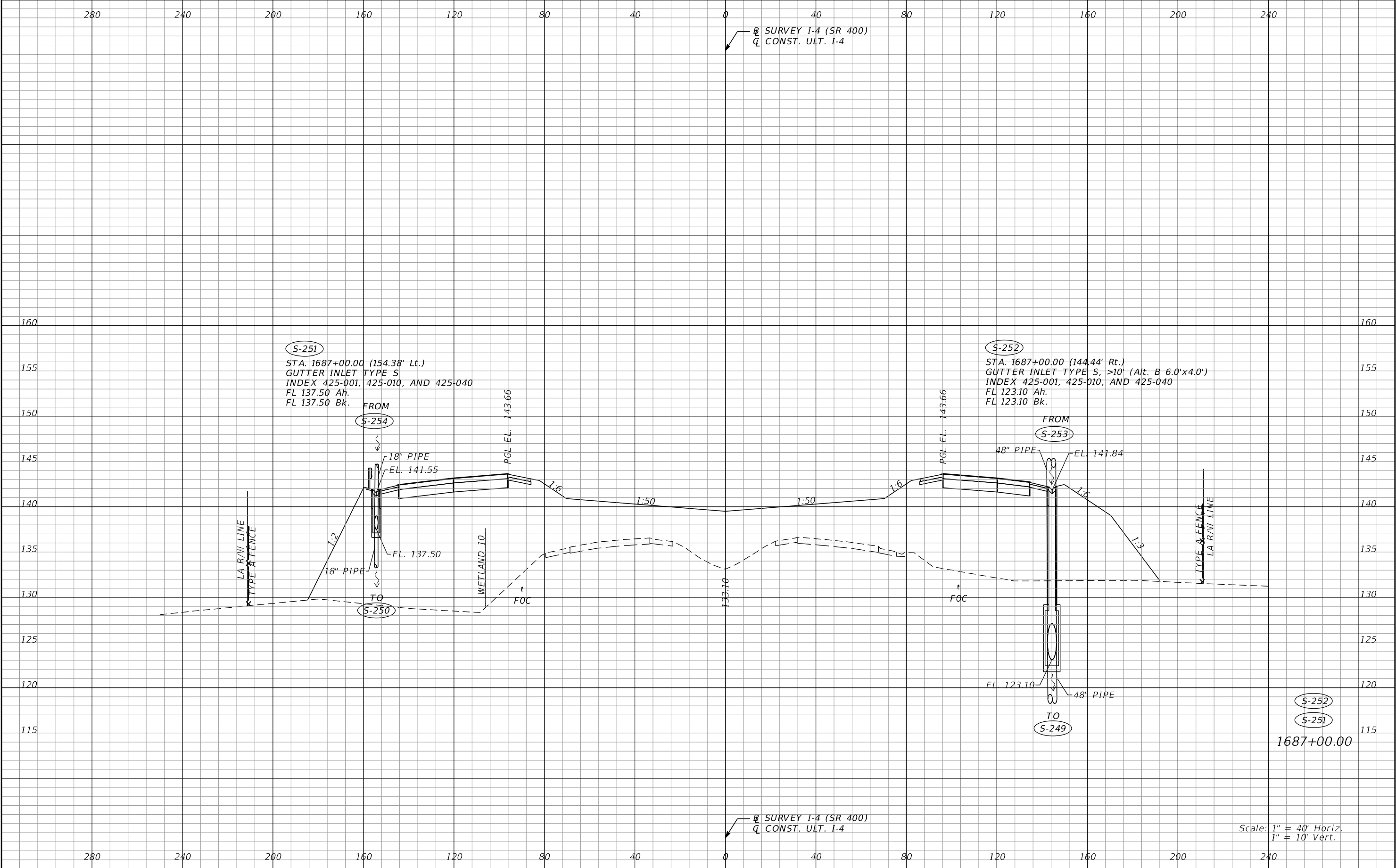
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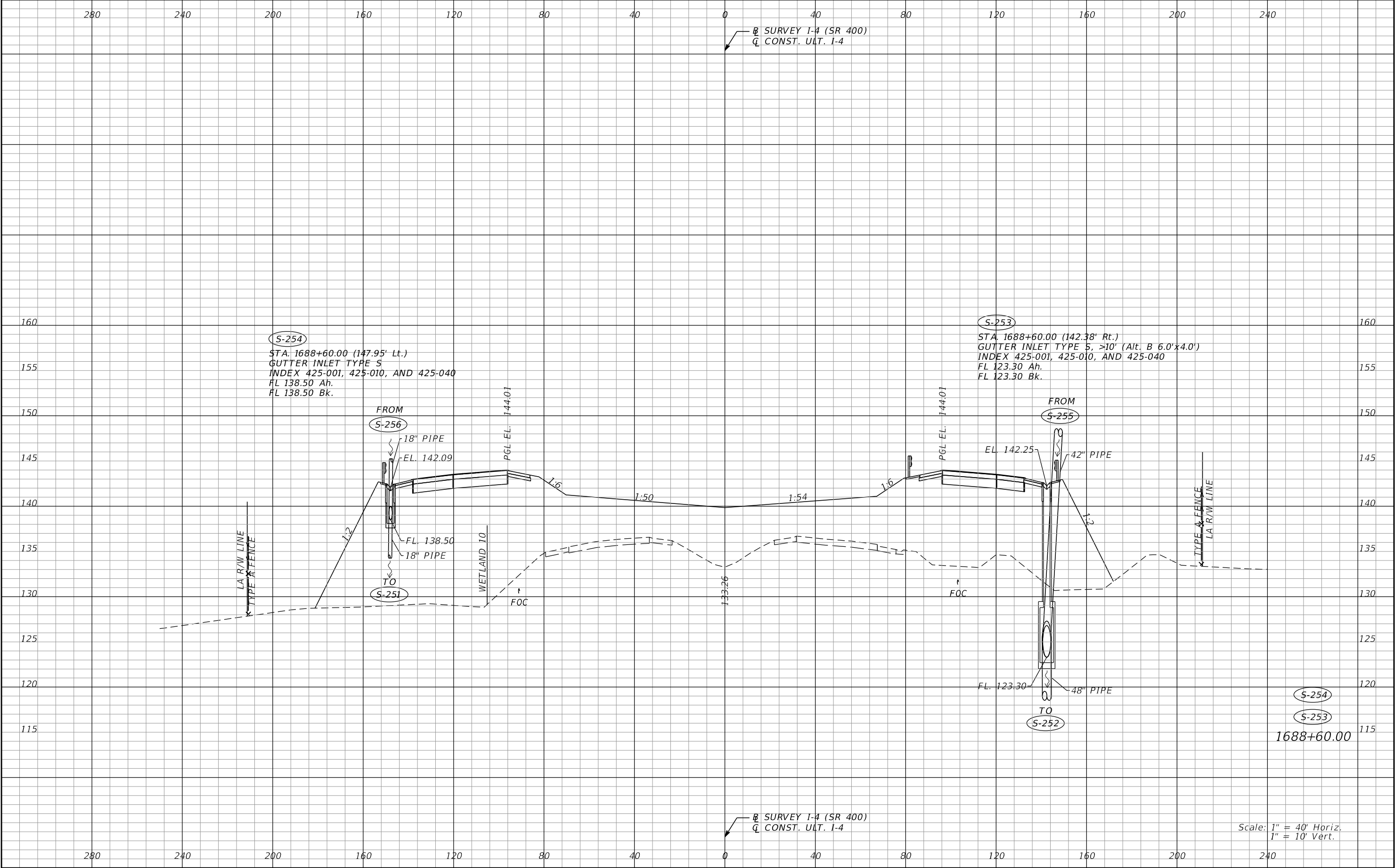
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 139
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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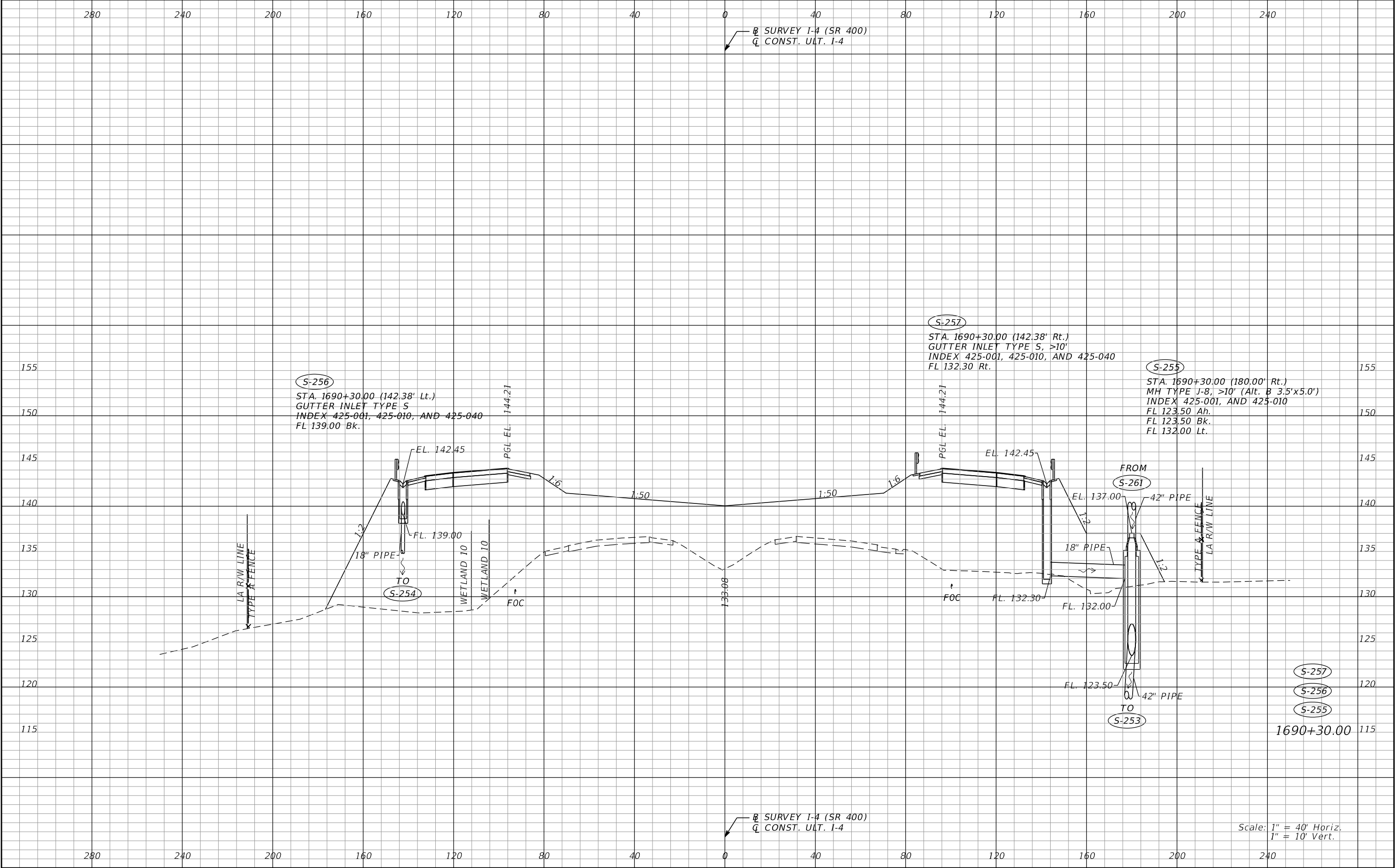
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 140
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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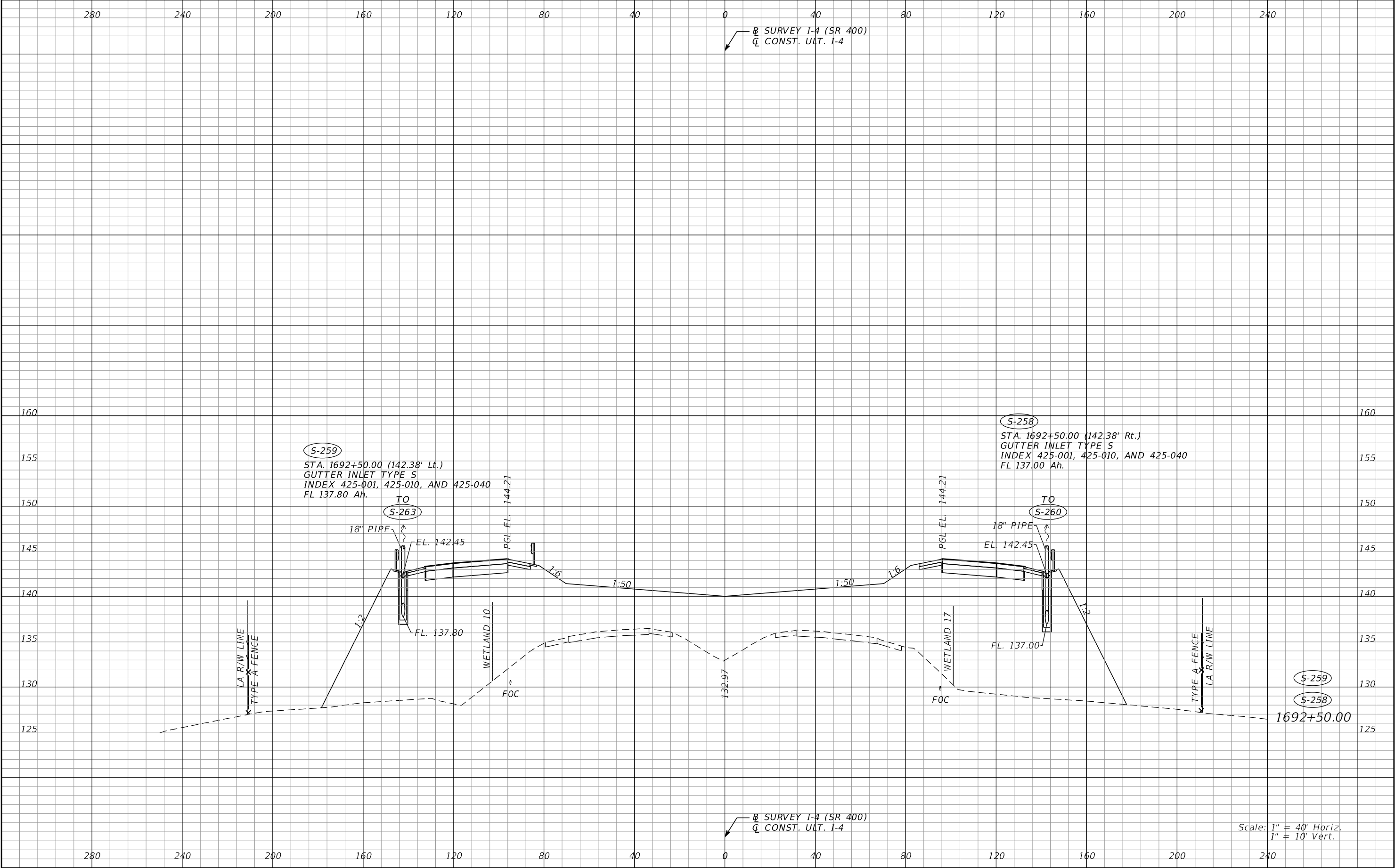
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		141
					SR 400	POLK	201215-3-52-01		

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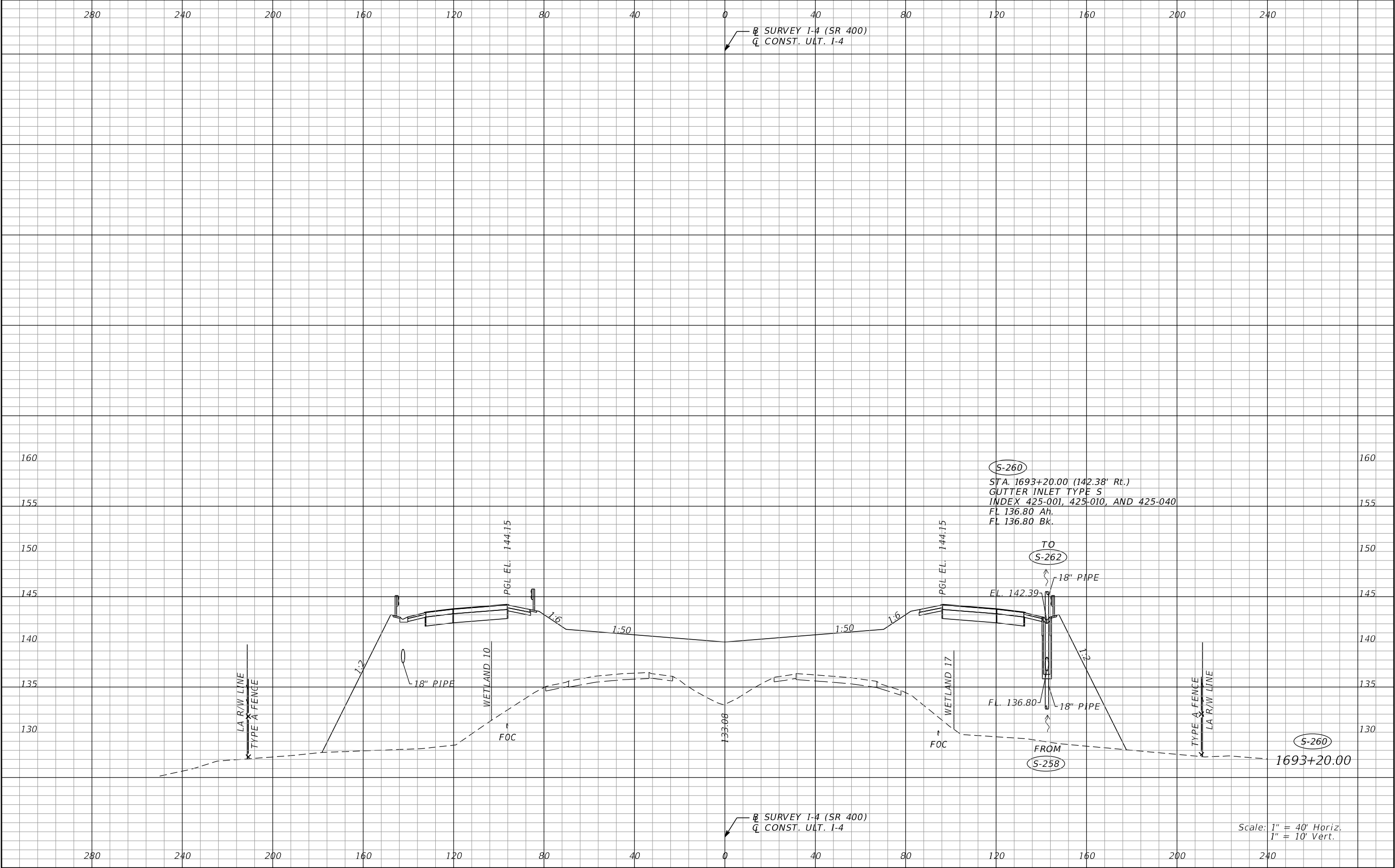
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 142
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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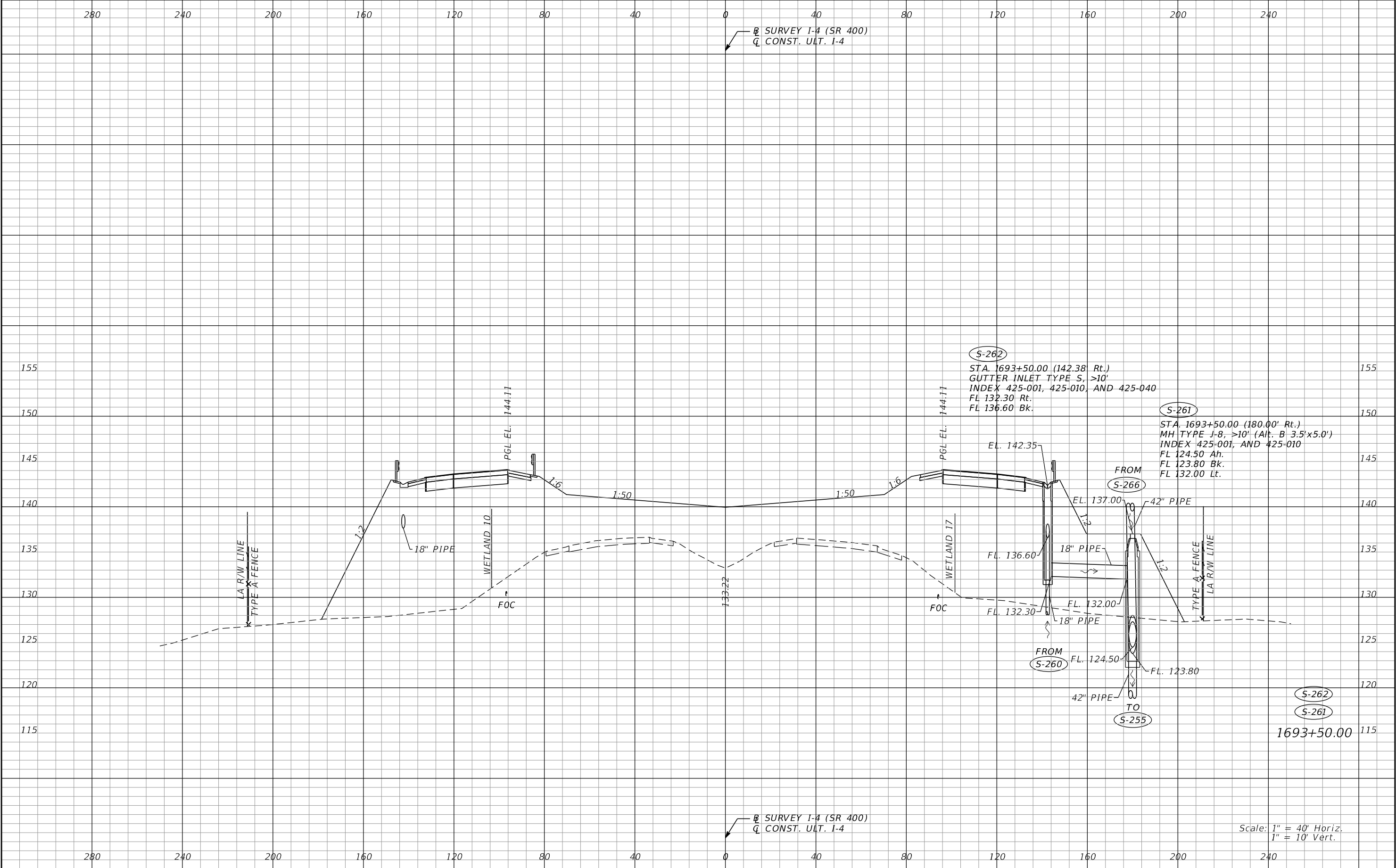
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 143
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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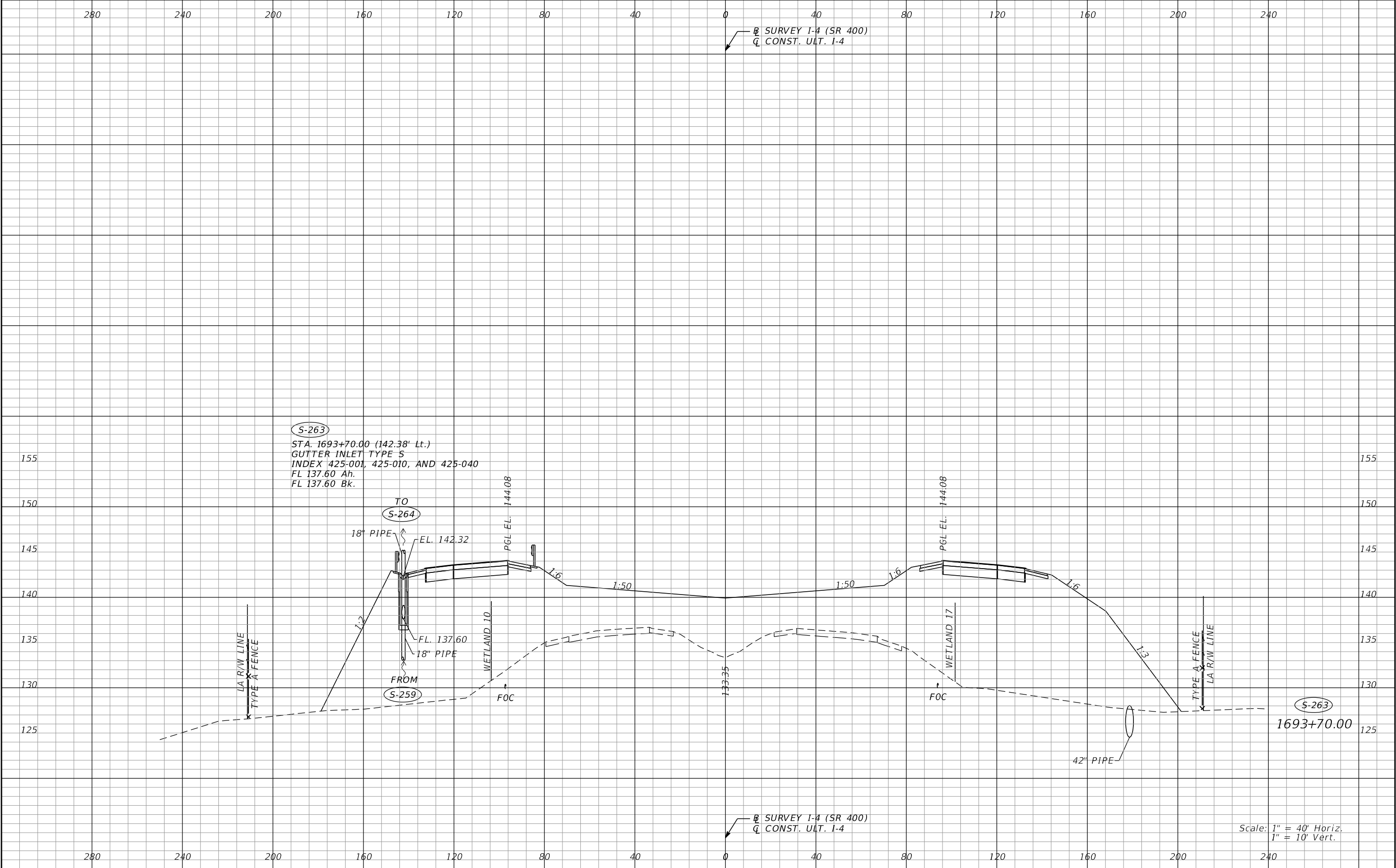
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 144
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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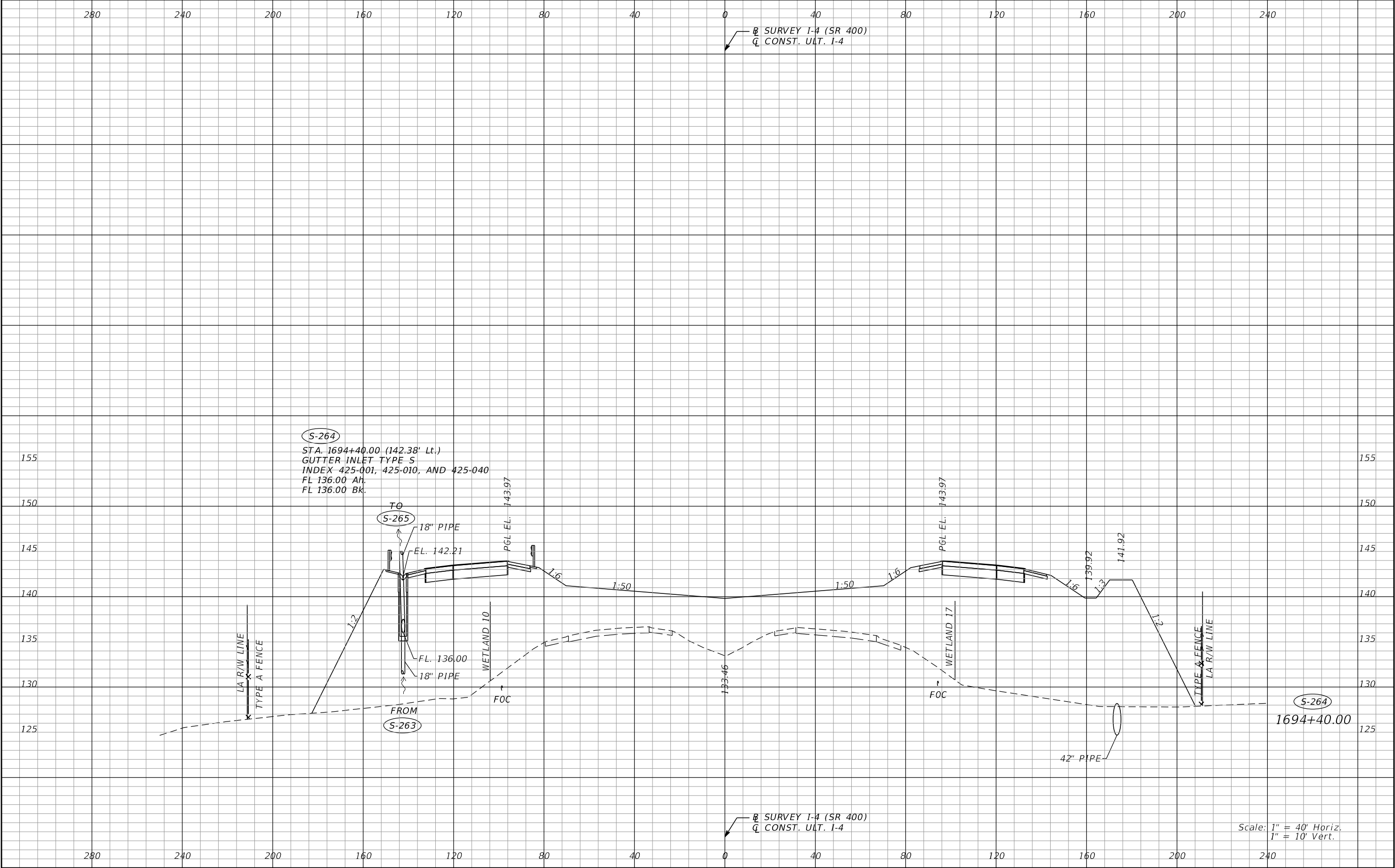
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 145
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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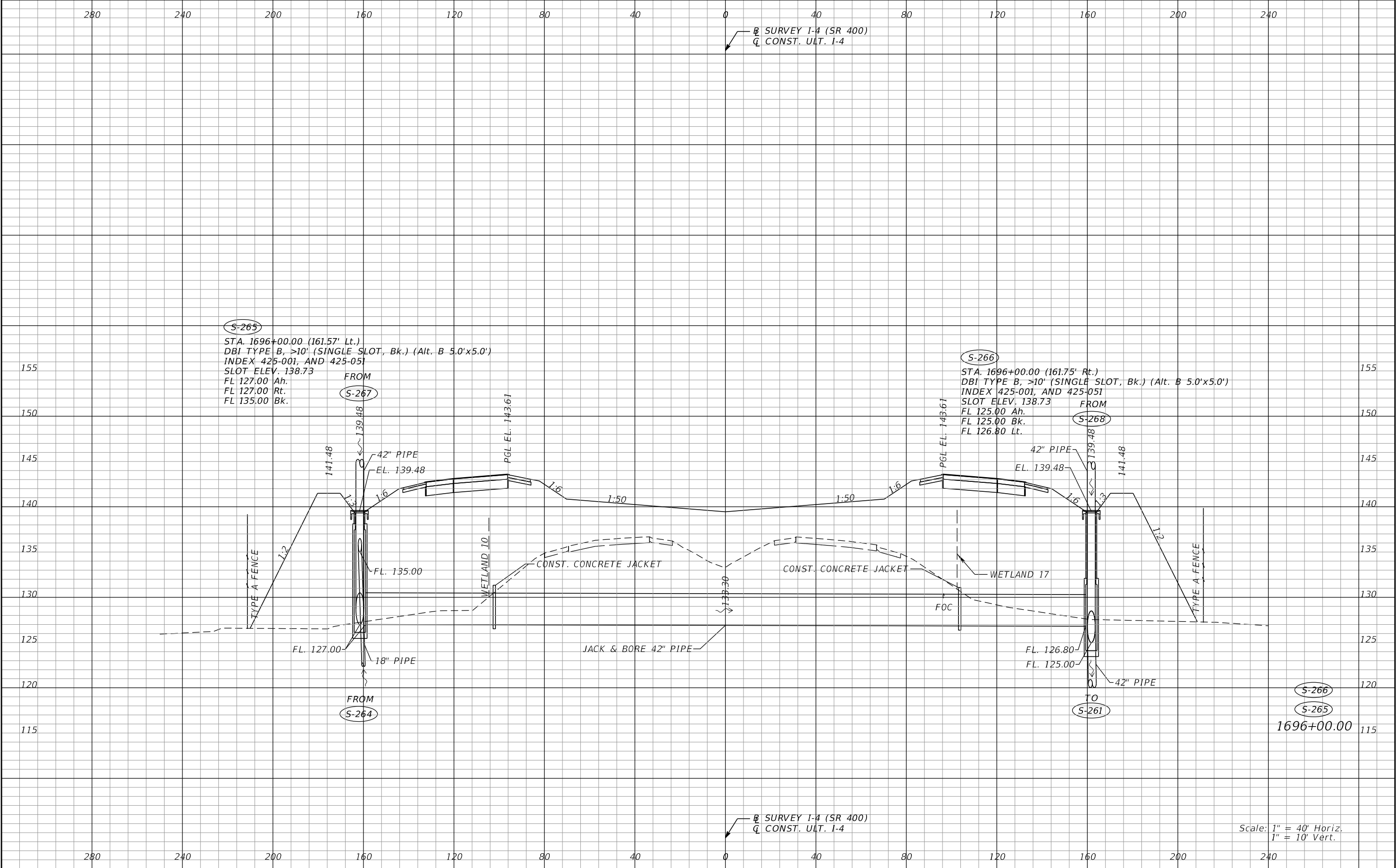
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 146
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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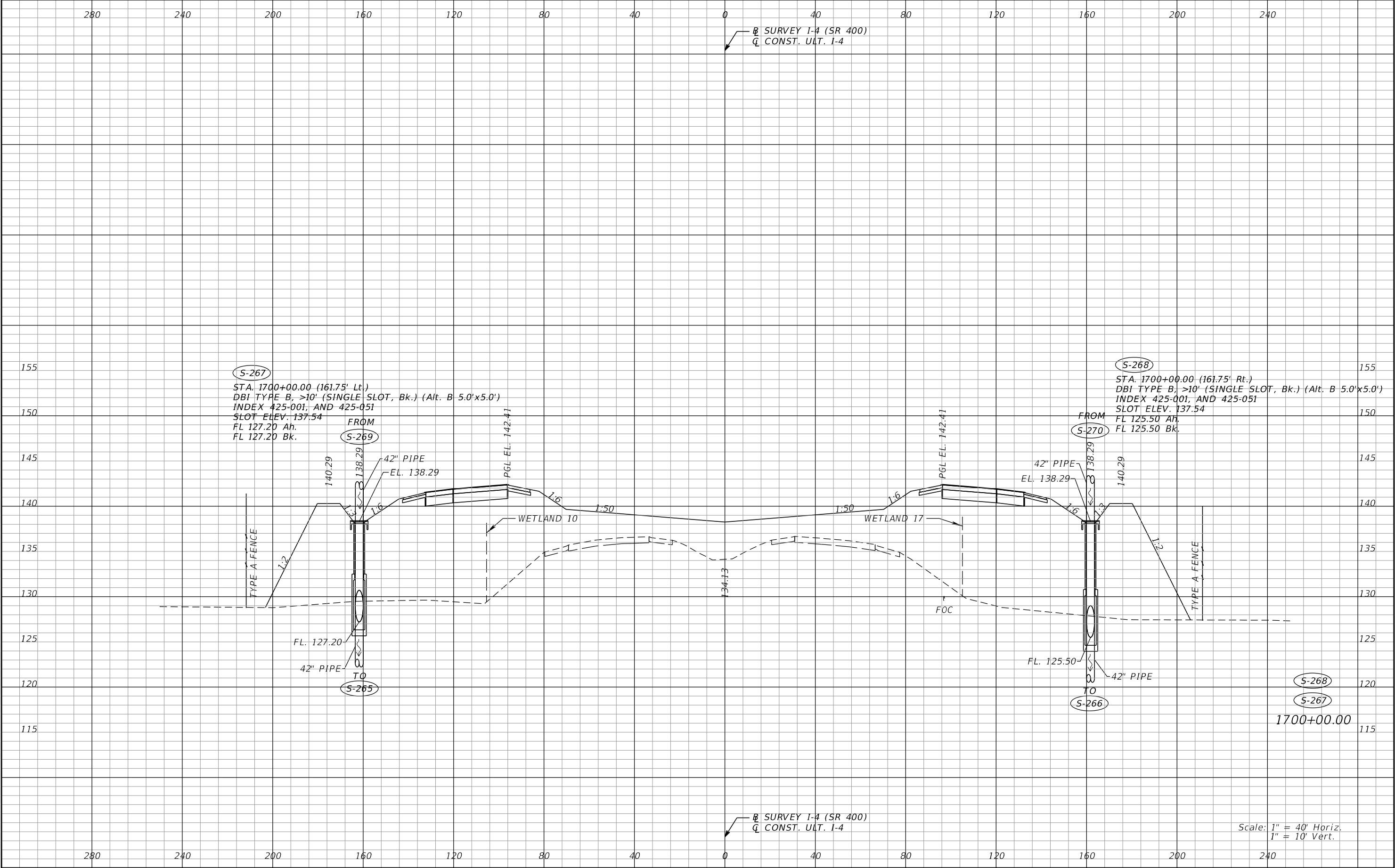
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 147
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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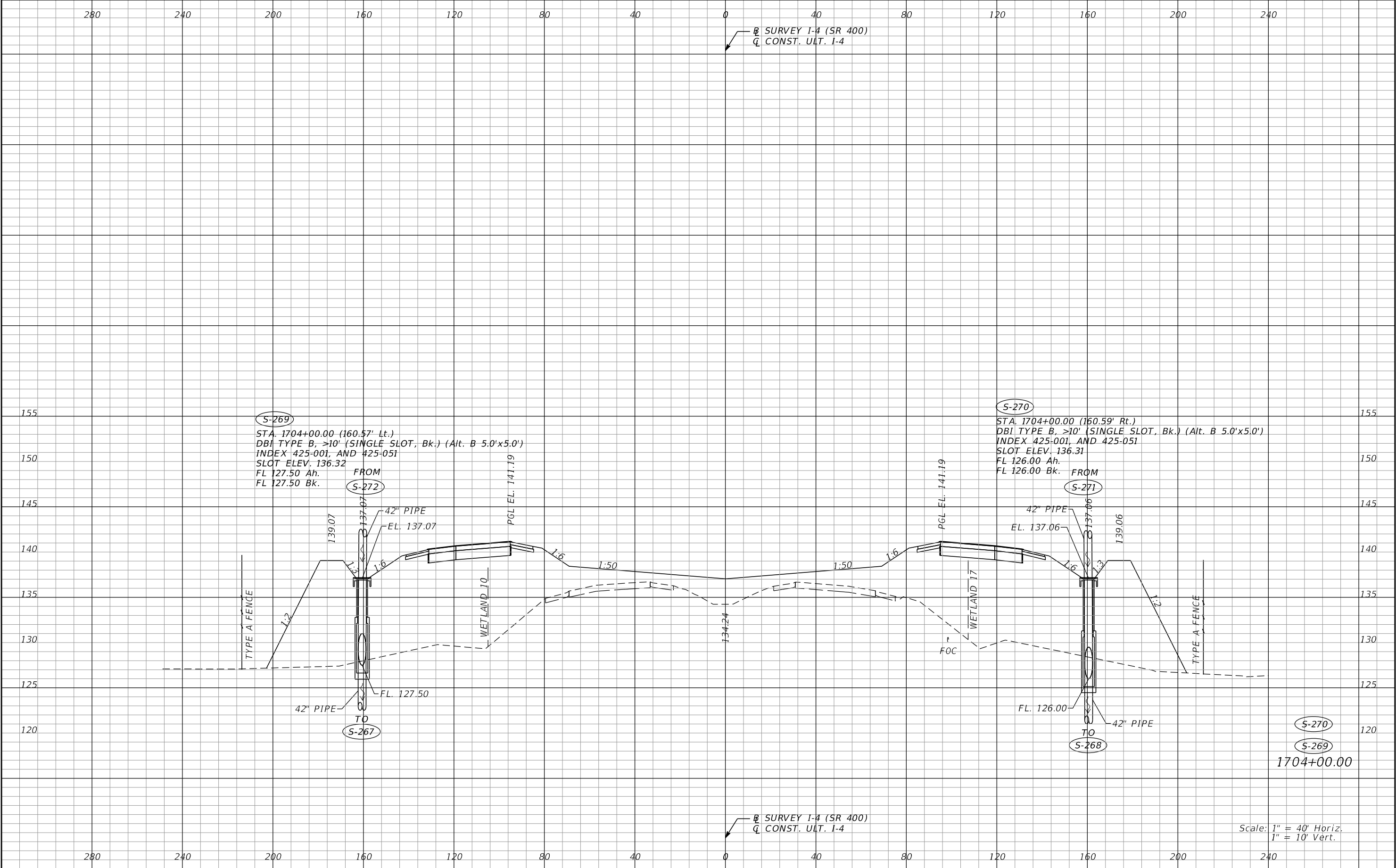
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 148
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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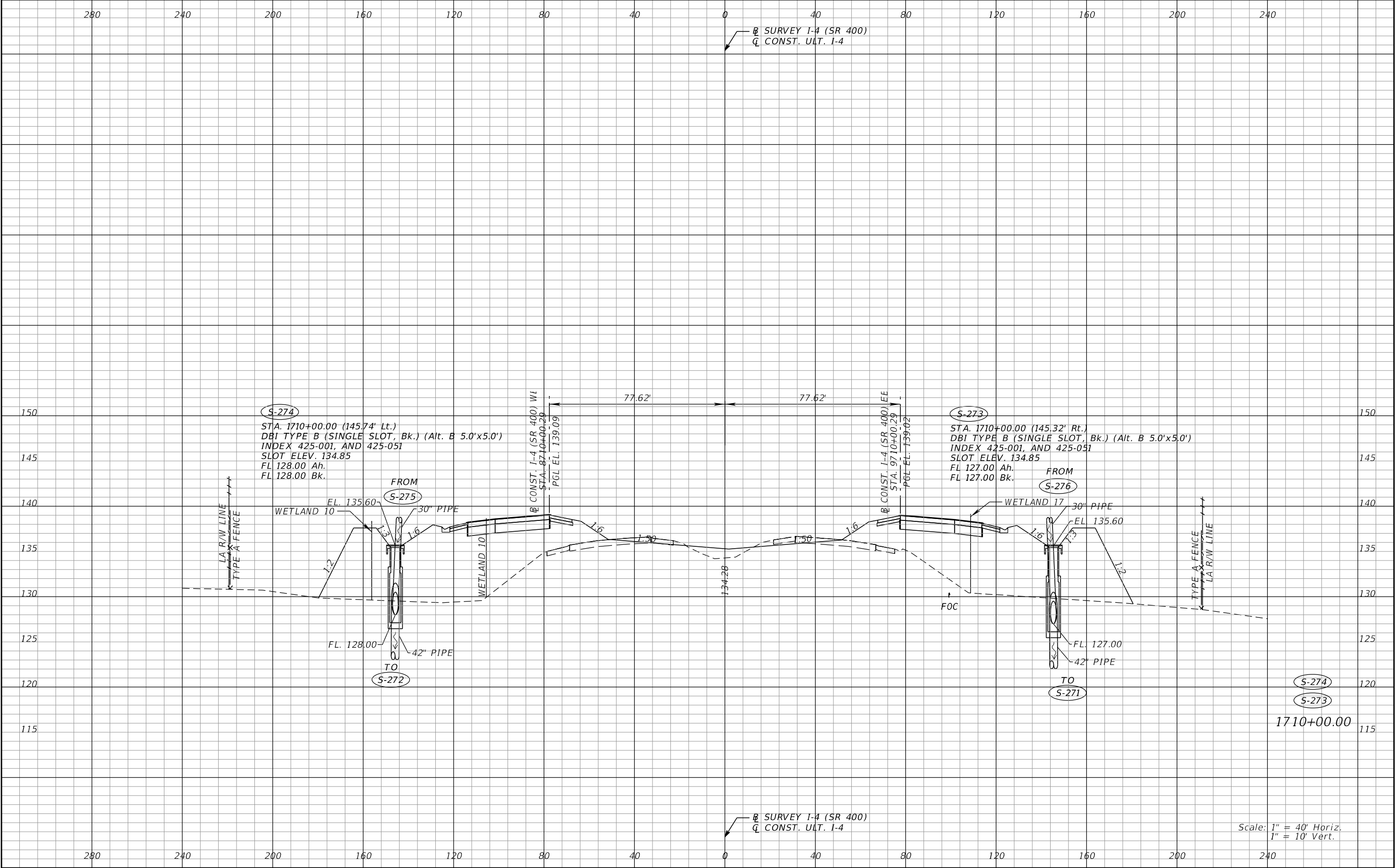
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)		SHEET NO. 149
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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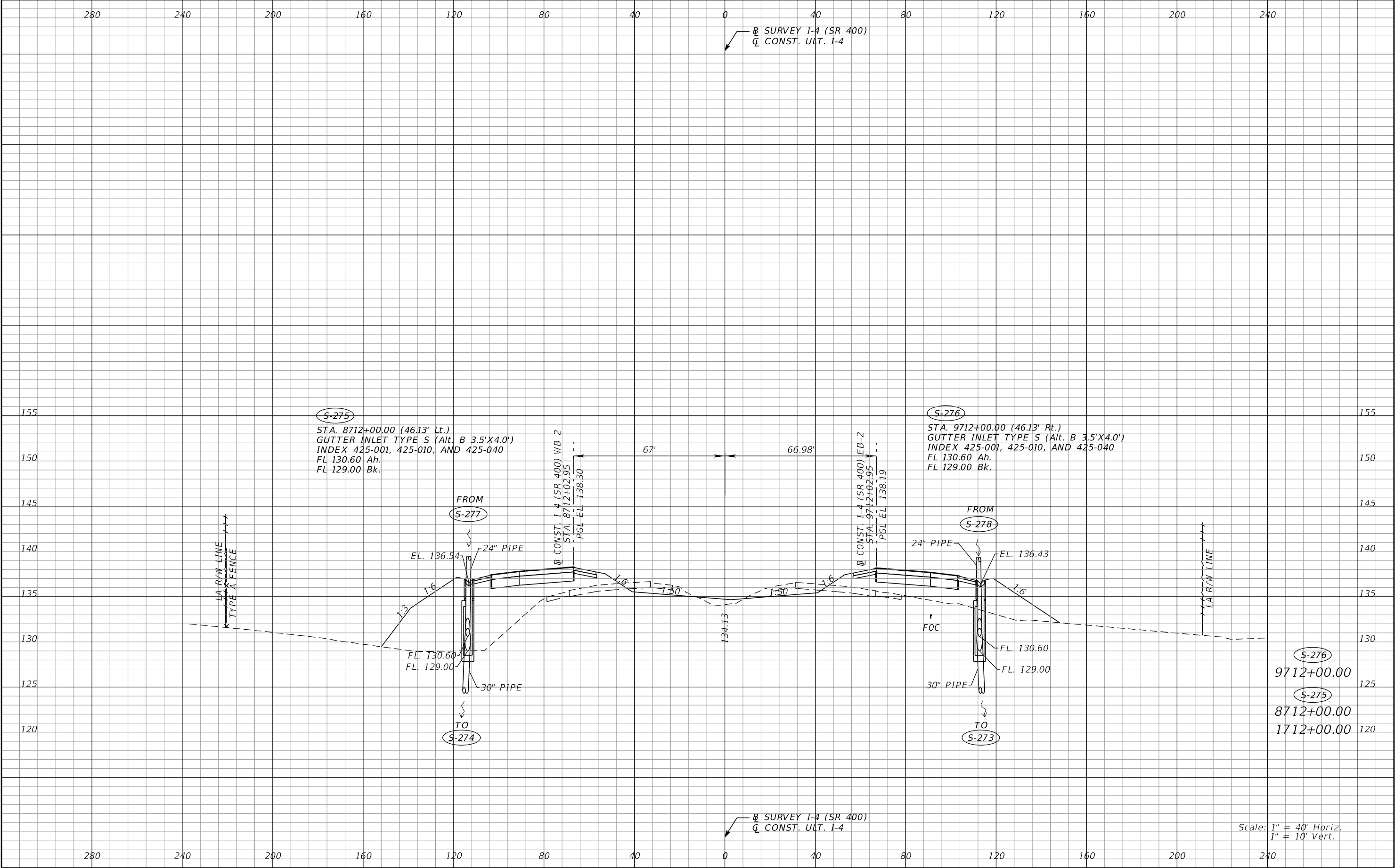
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 150
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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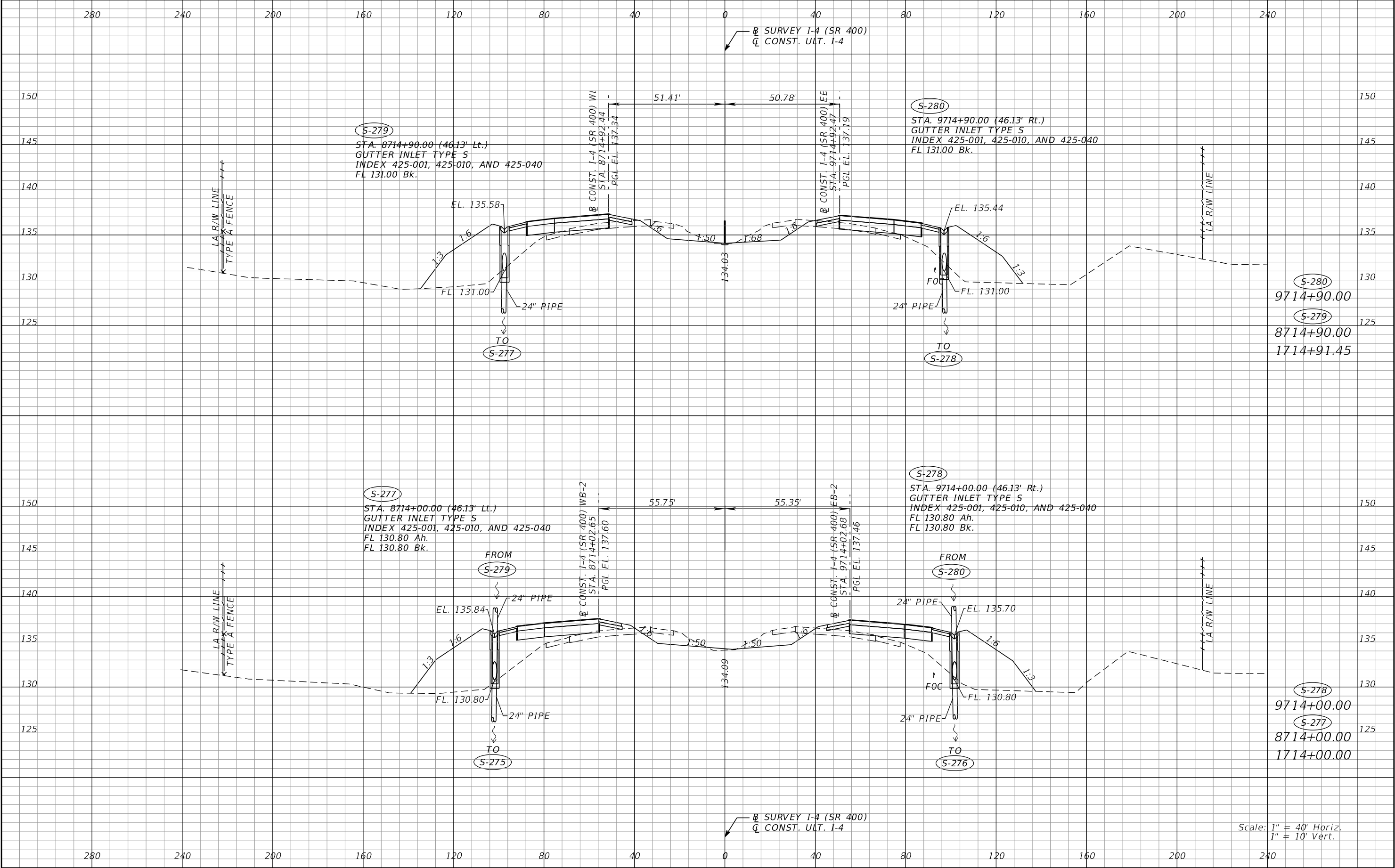
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 152
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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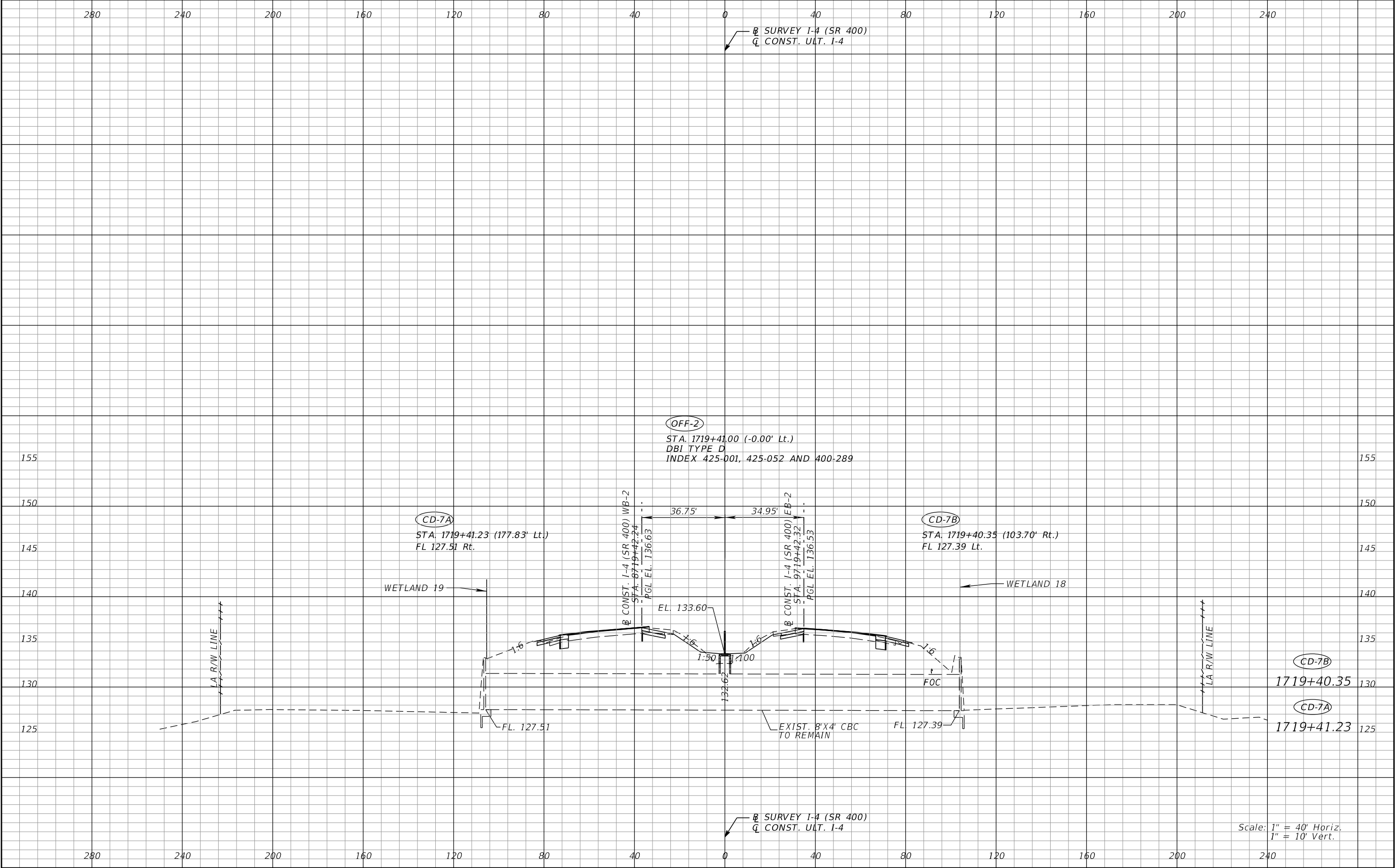
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 153
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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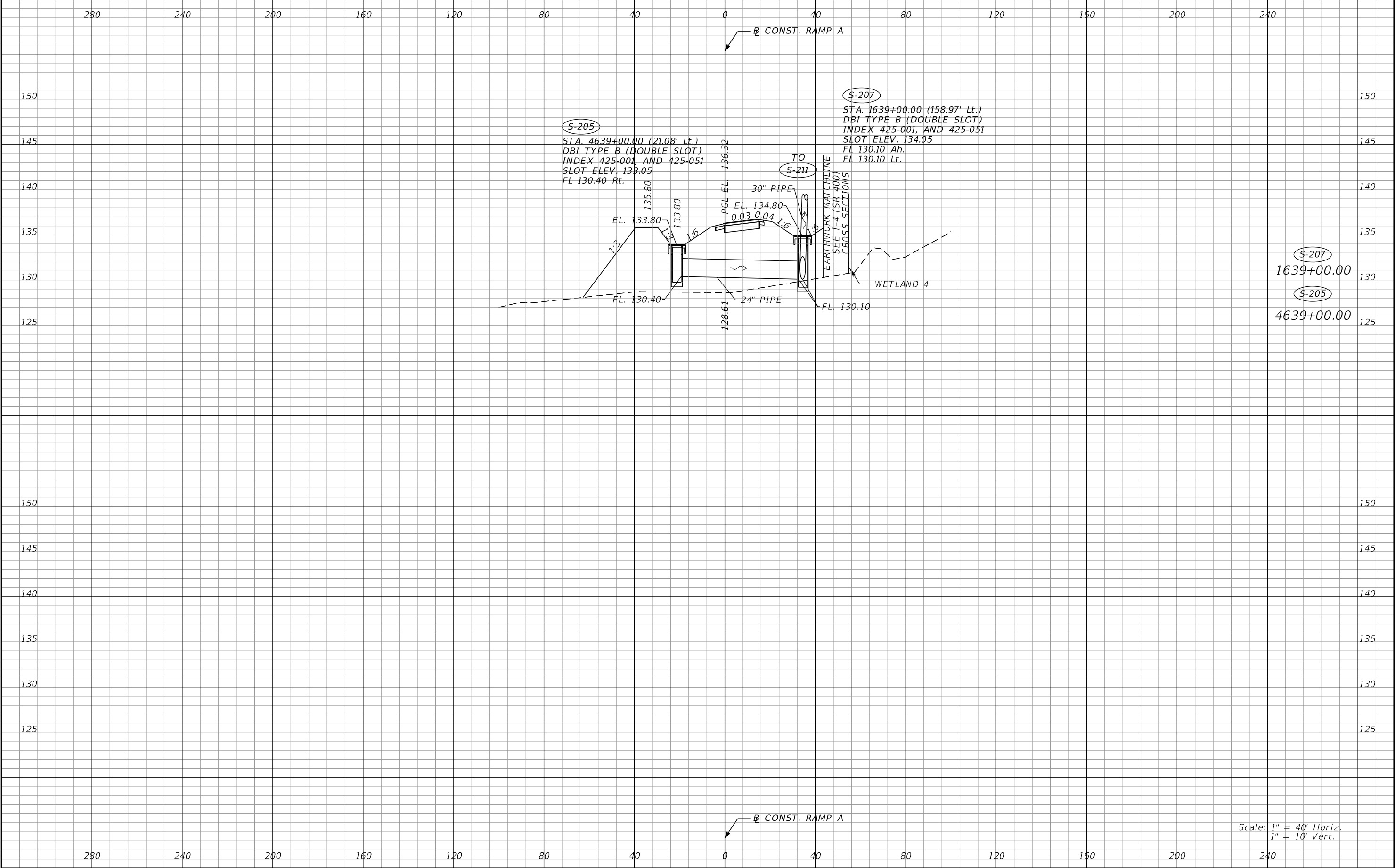
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES I-4 (SR 400)	SHEET NO. 154
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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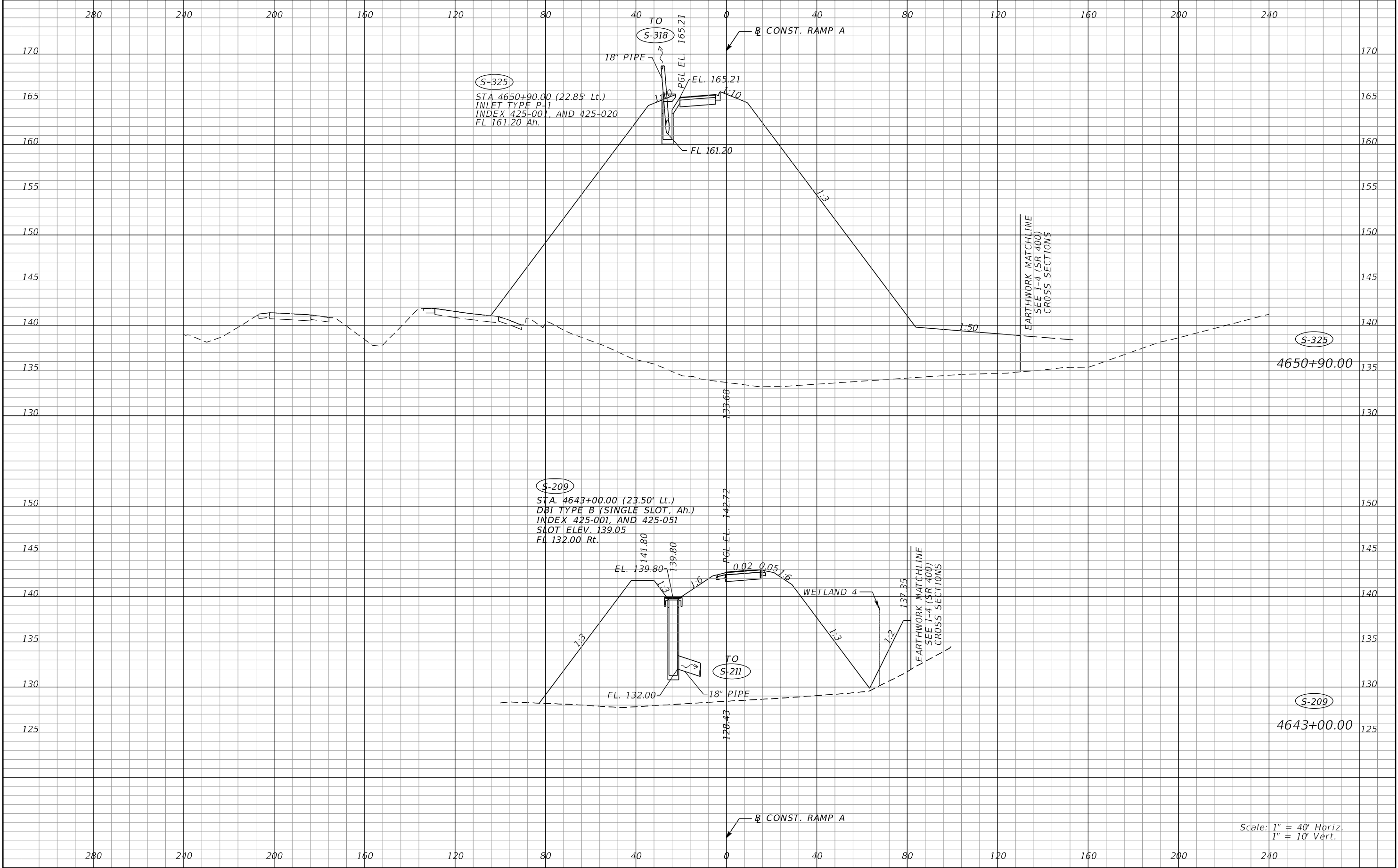
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1" = 10' Vert.

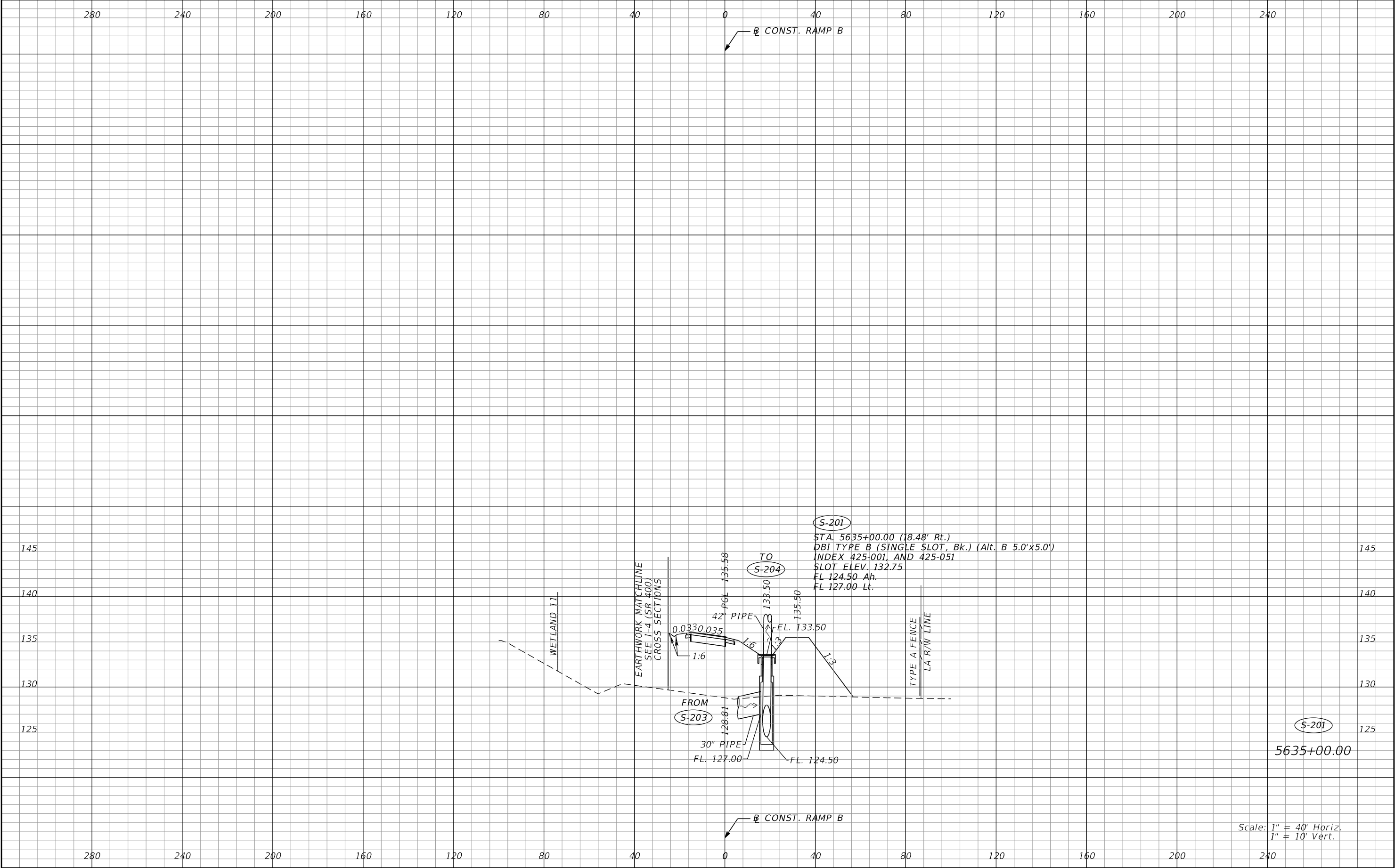
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP A	SHEET NO. 156
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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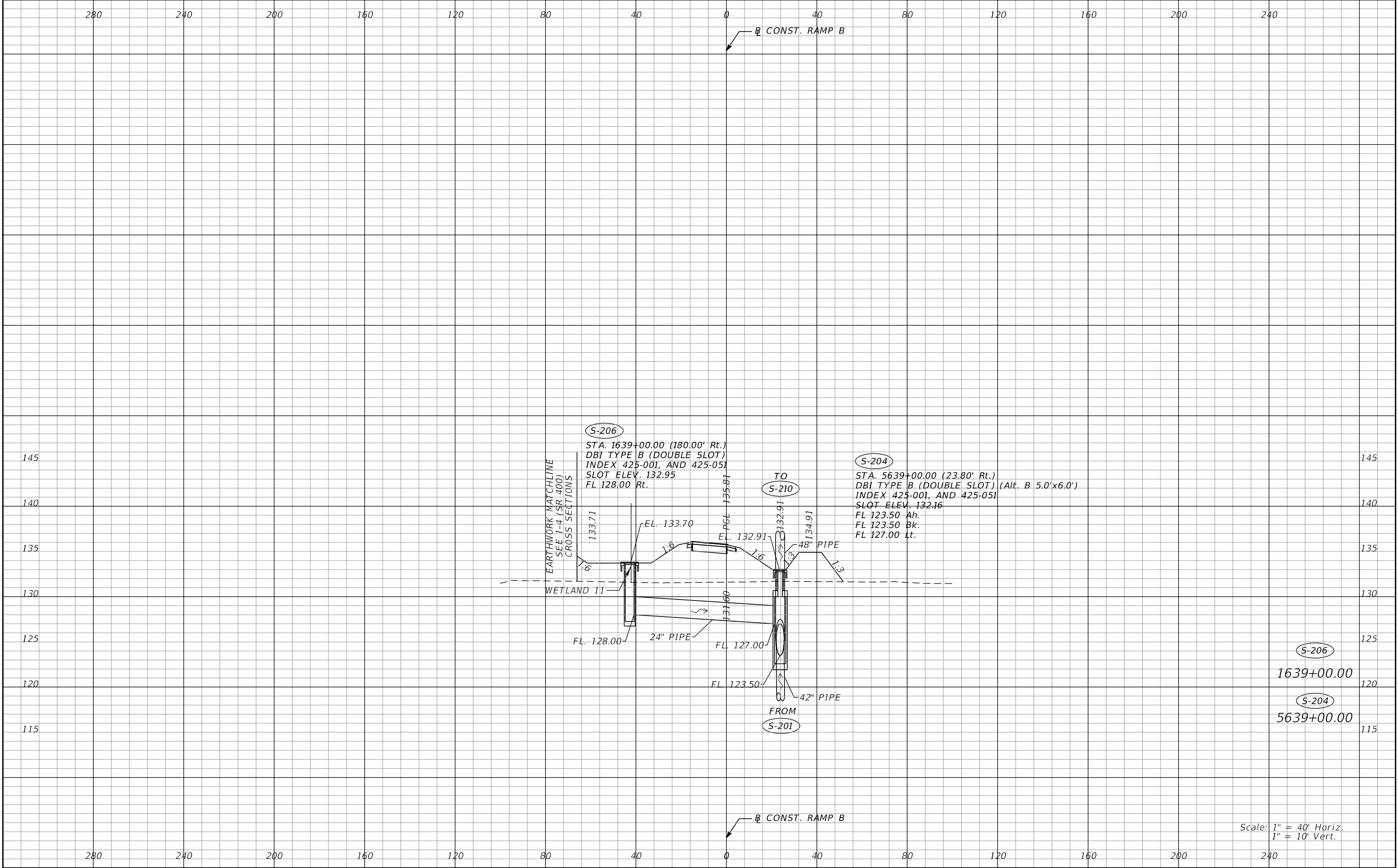
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP A	SHEET NO. 157
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP B	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		158
					SR 400	POLK	201215-3-52-01		

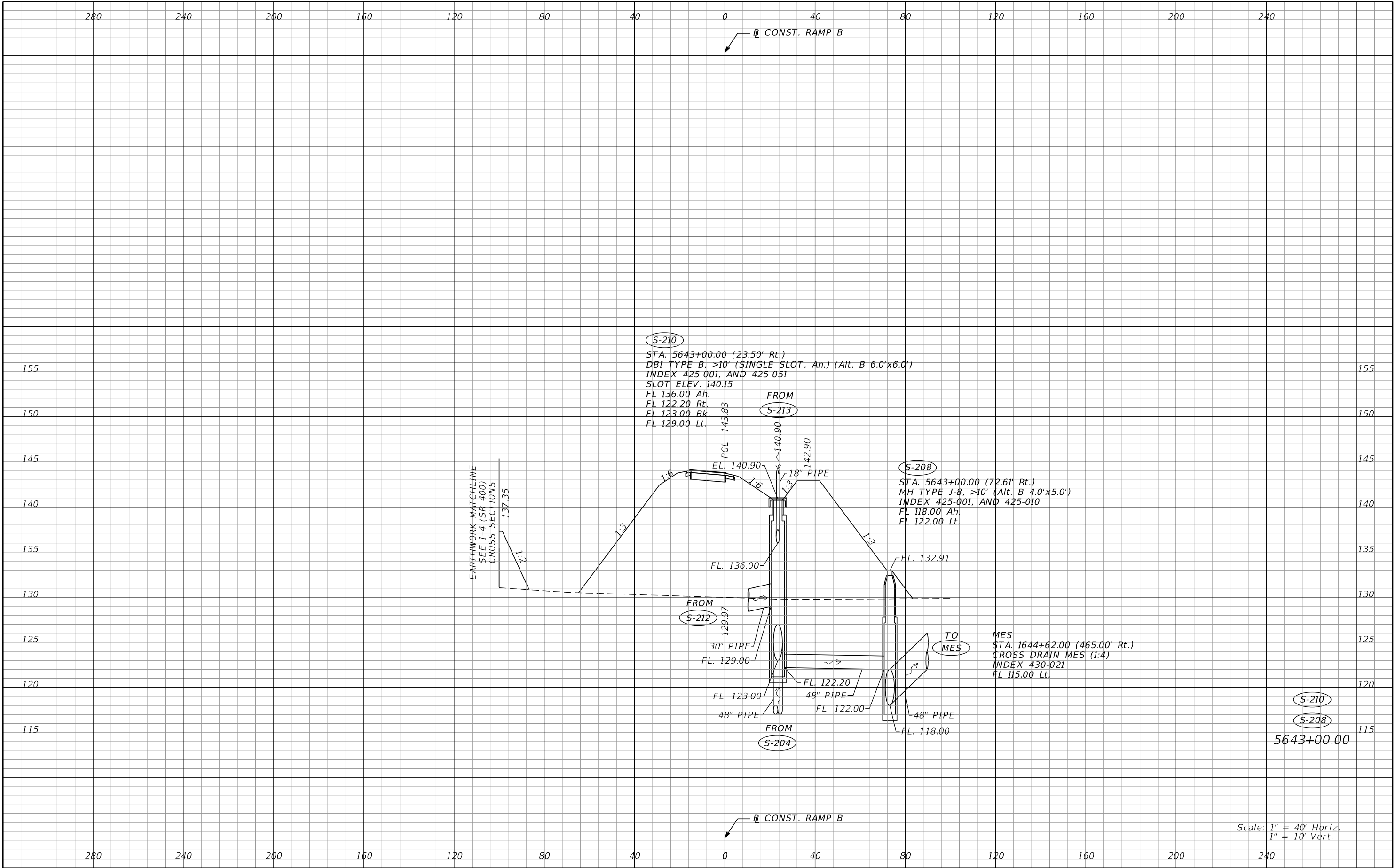
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP B	SHEET NO. 159
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

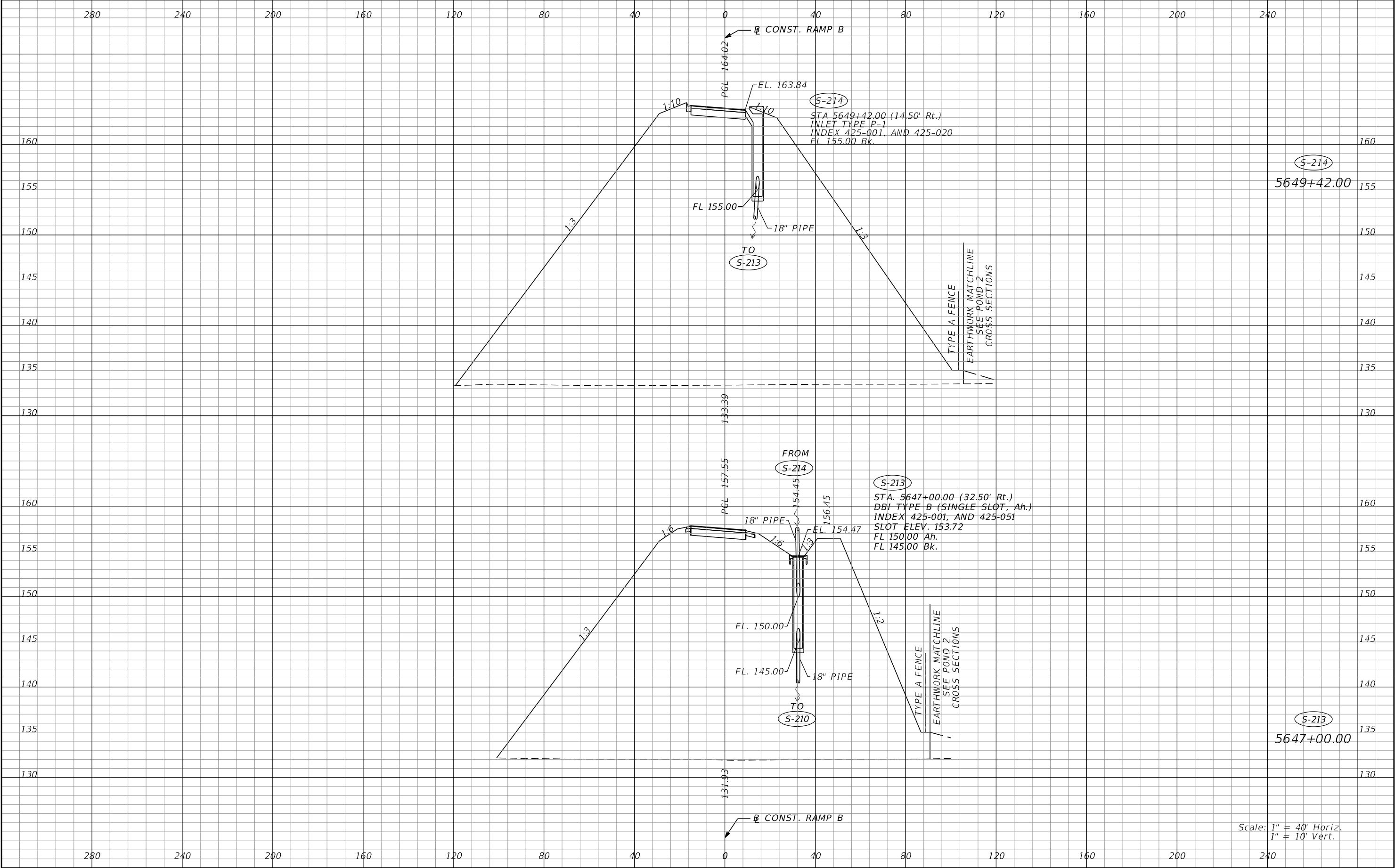
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Scale: 1" = 40' Horiz.
1" = 10' Vert.



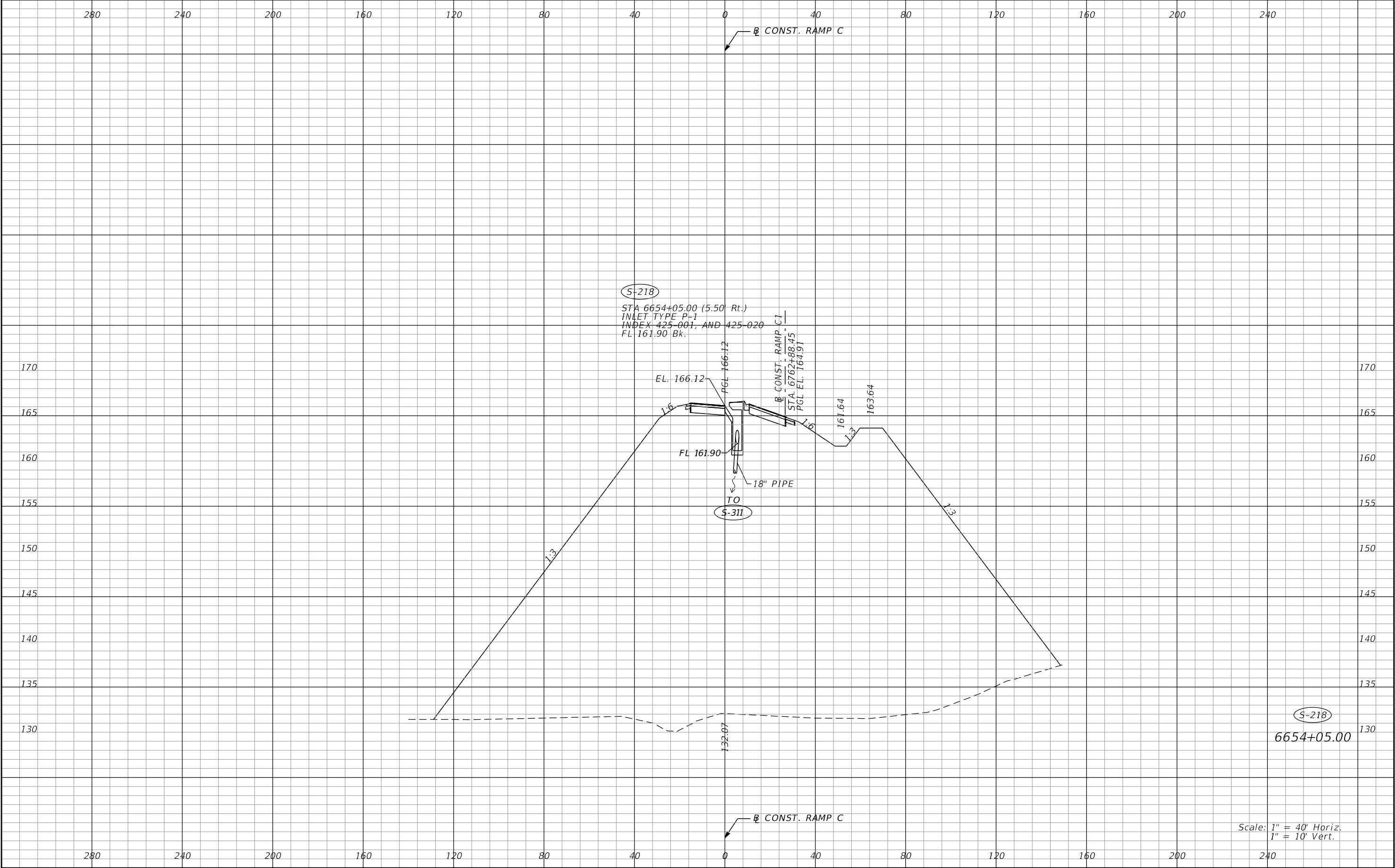
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP B		SHEET NO. 160
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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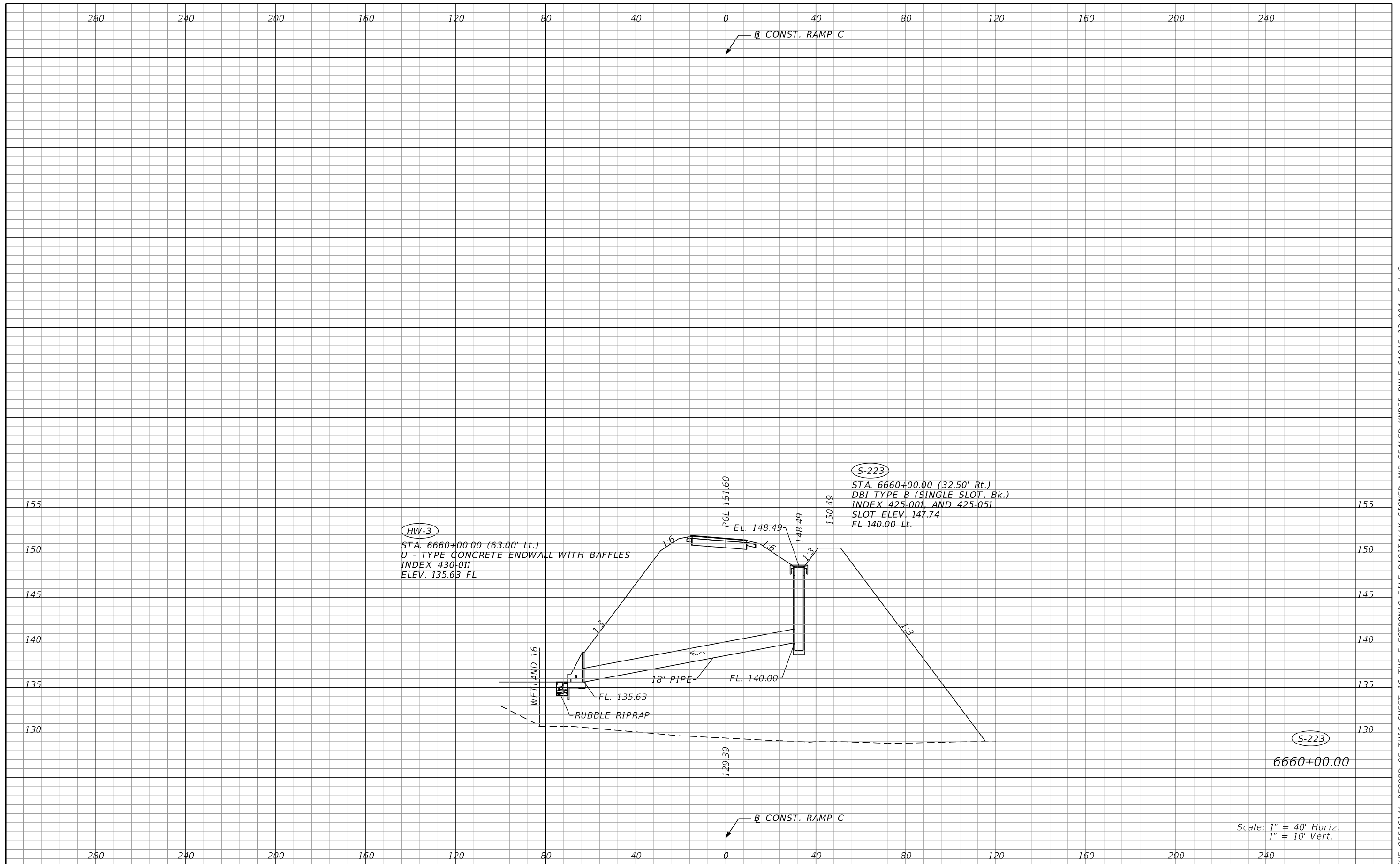
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP B	SHEET NO. 161
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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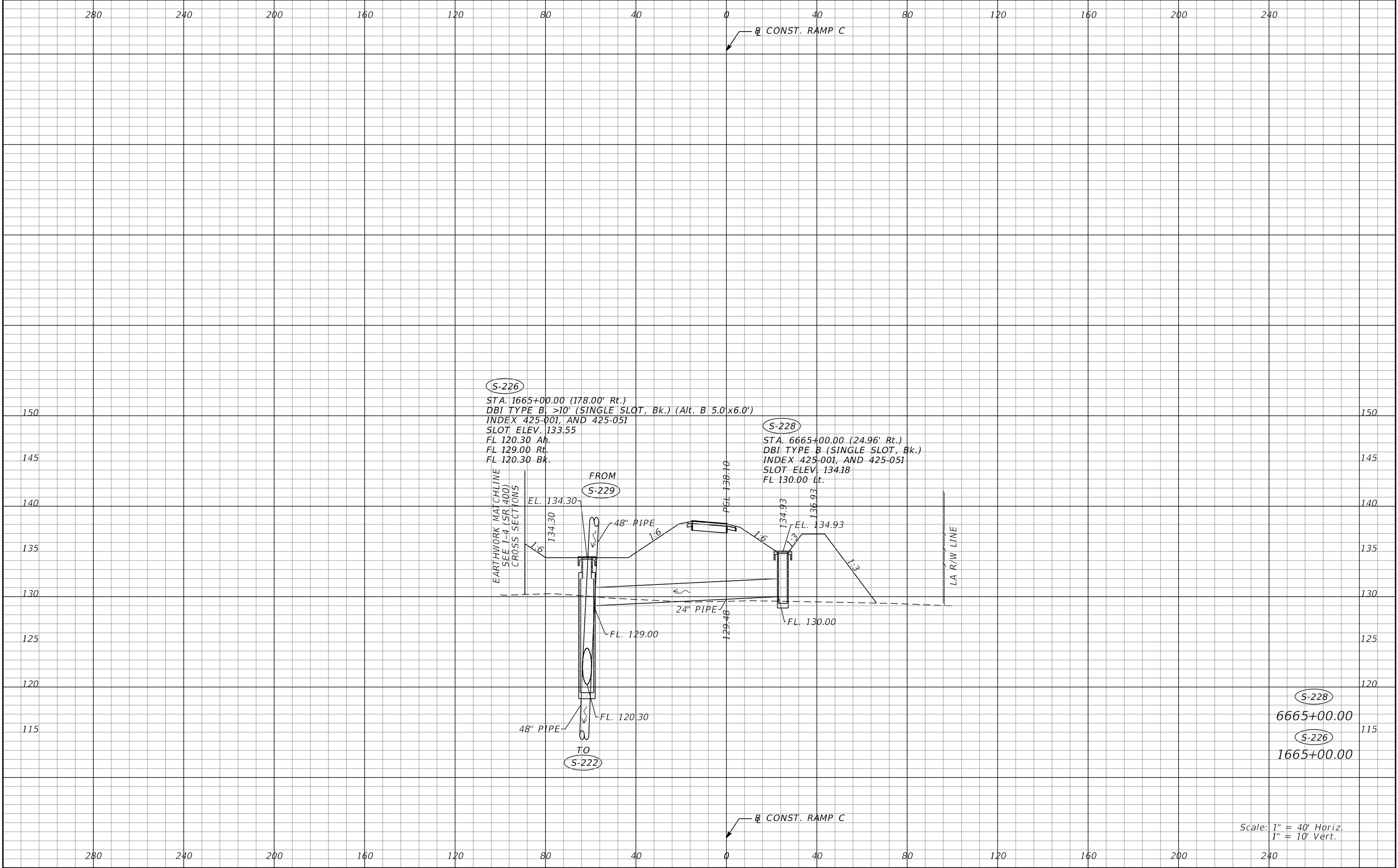


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP C	SHEET NO. 162
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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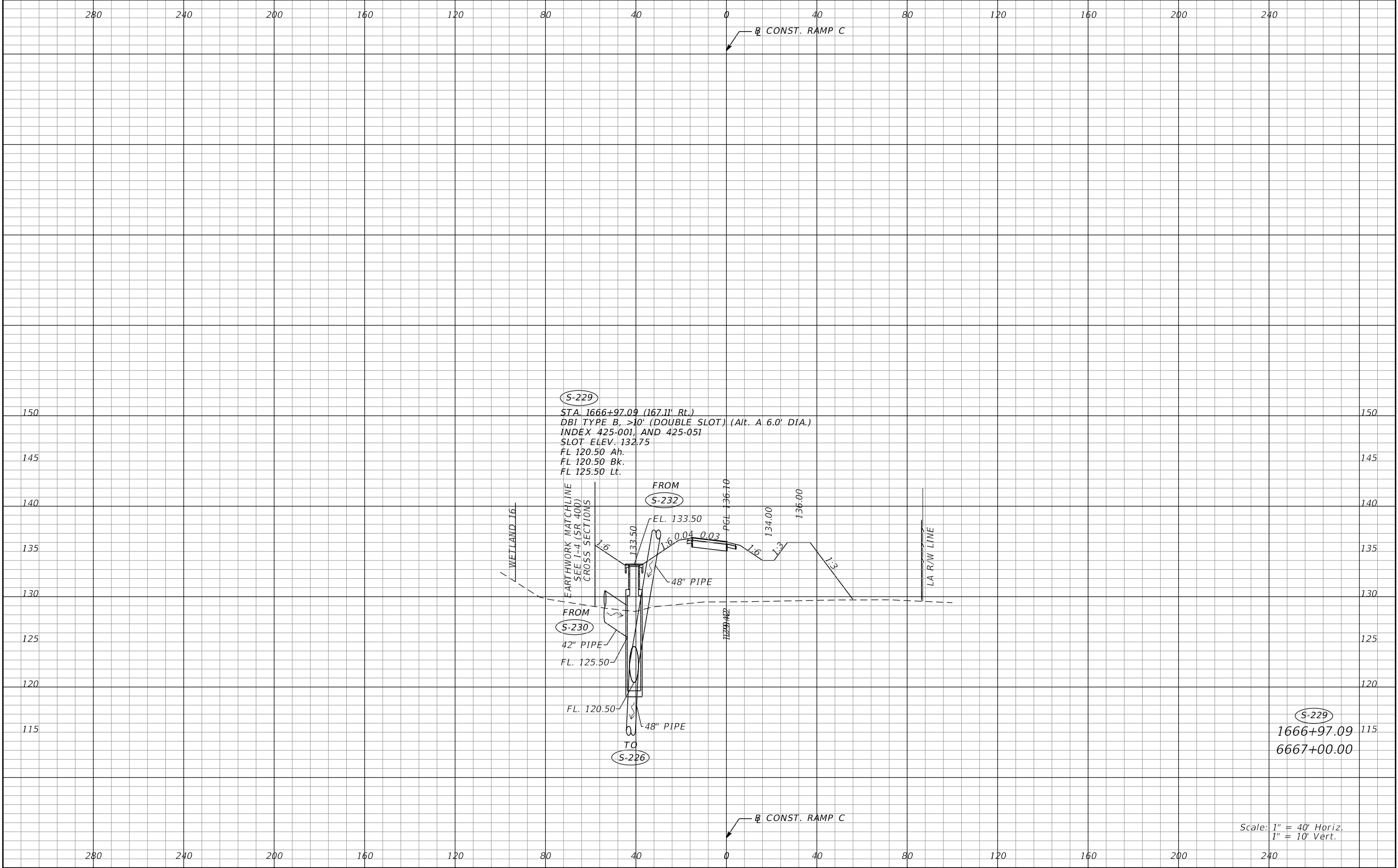


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP C	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		163
					SR 400	POLK	201215-3-52-01		



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP C		SHEET NO. 164
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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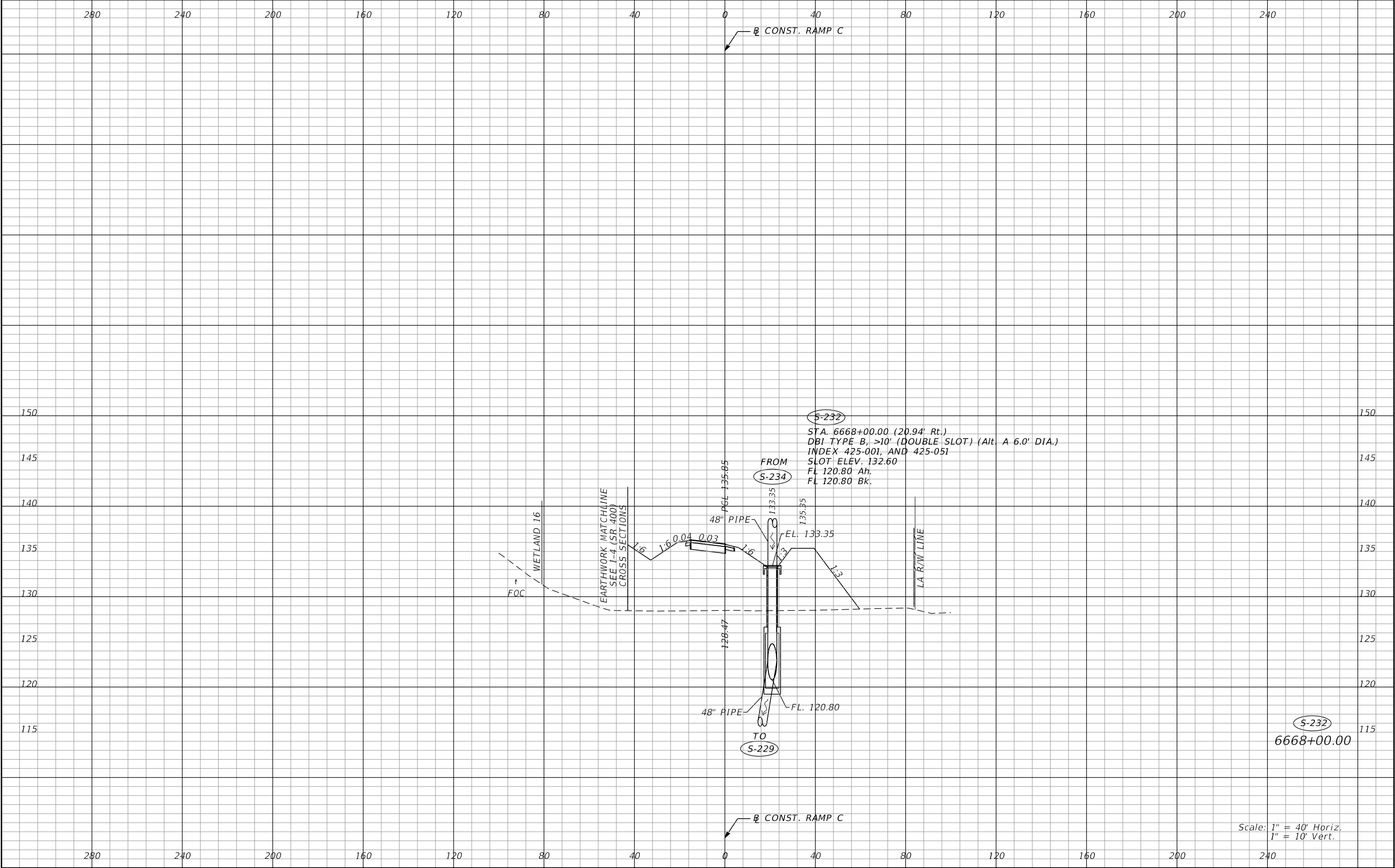
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP C		SHEET NO. 165
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

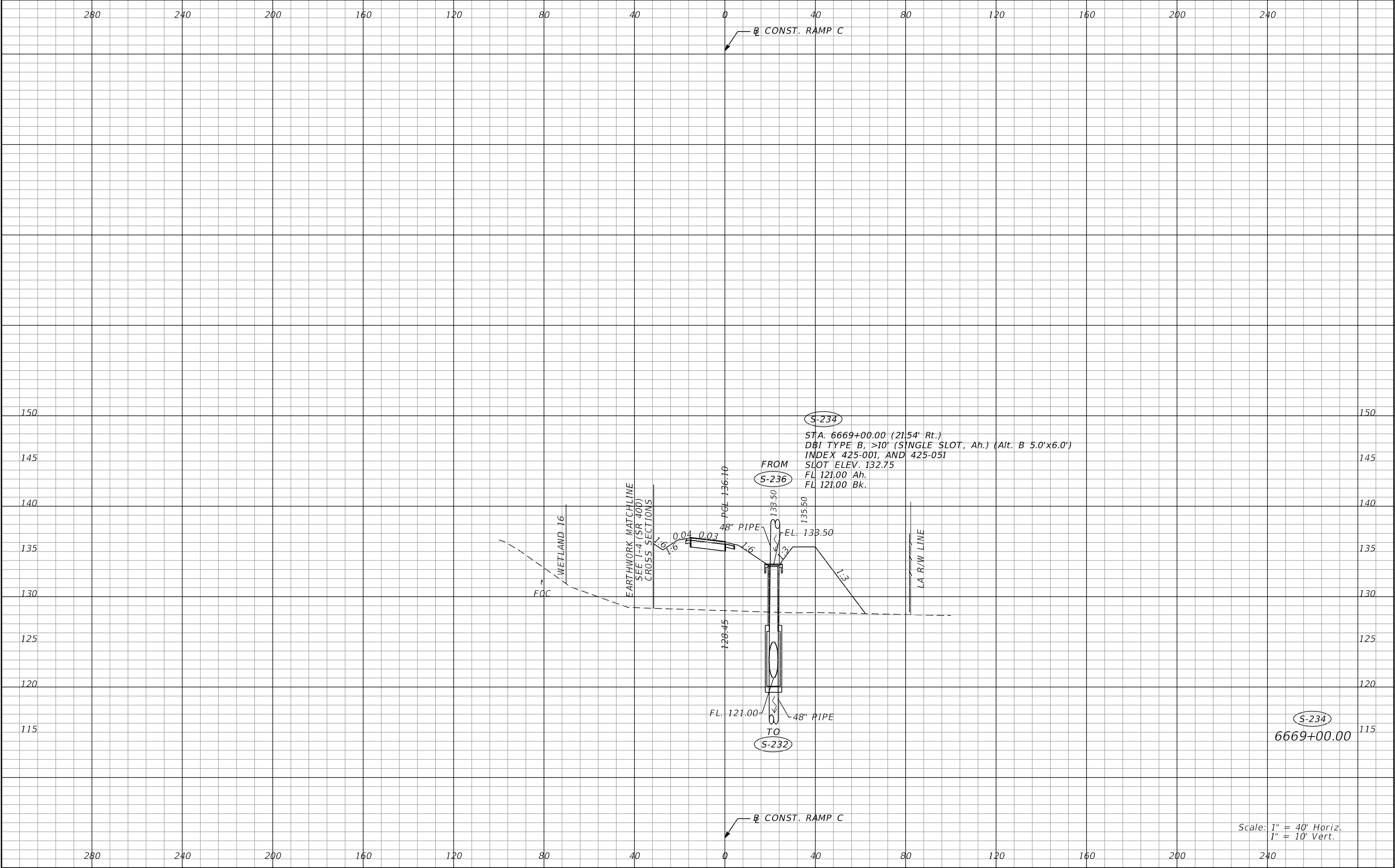
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1" = 10' Vert.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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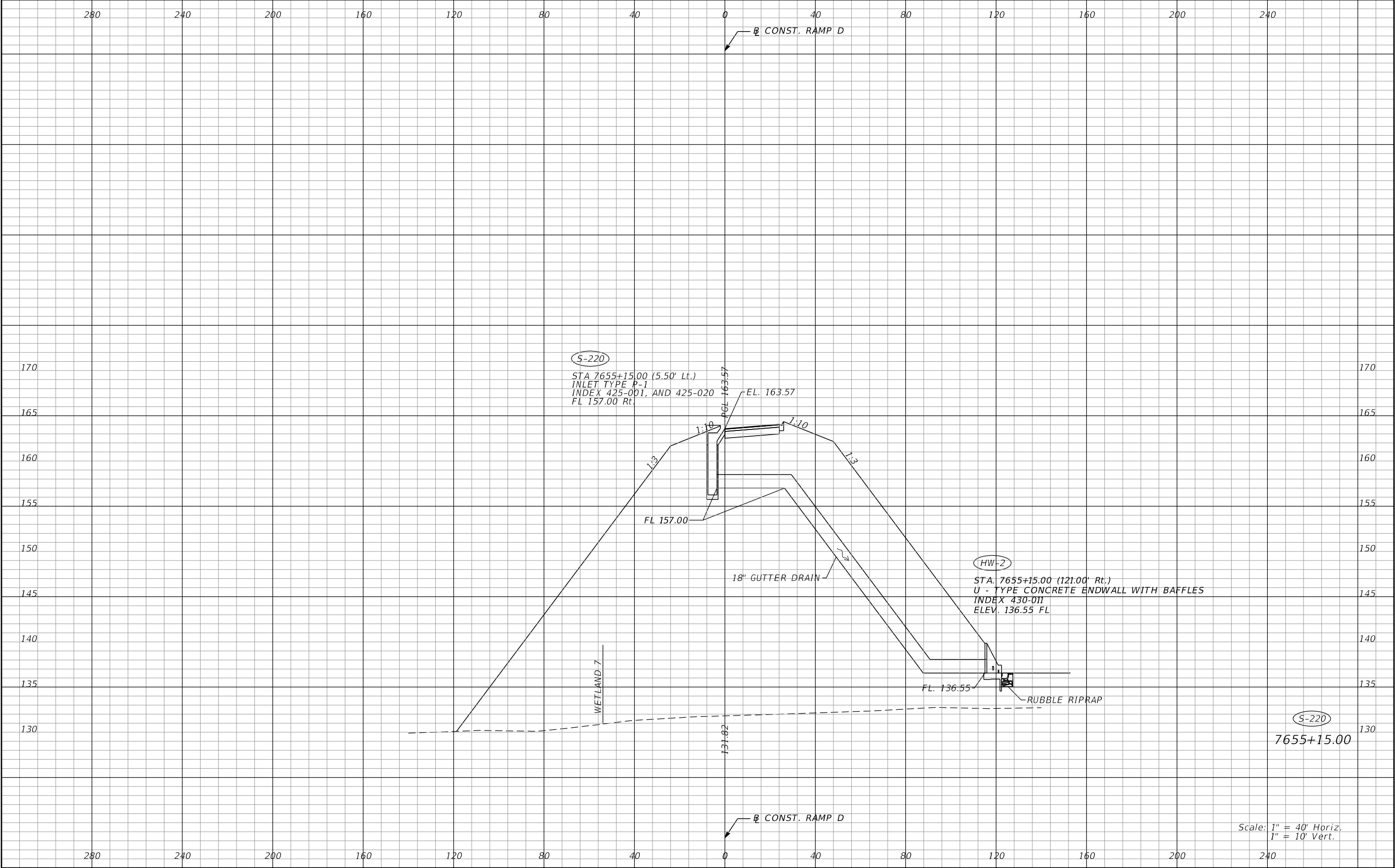
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP C		SHEET NO. 167
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

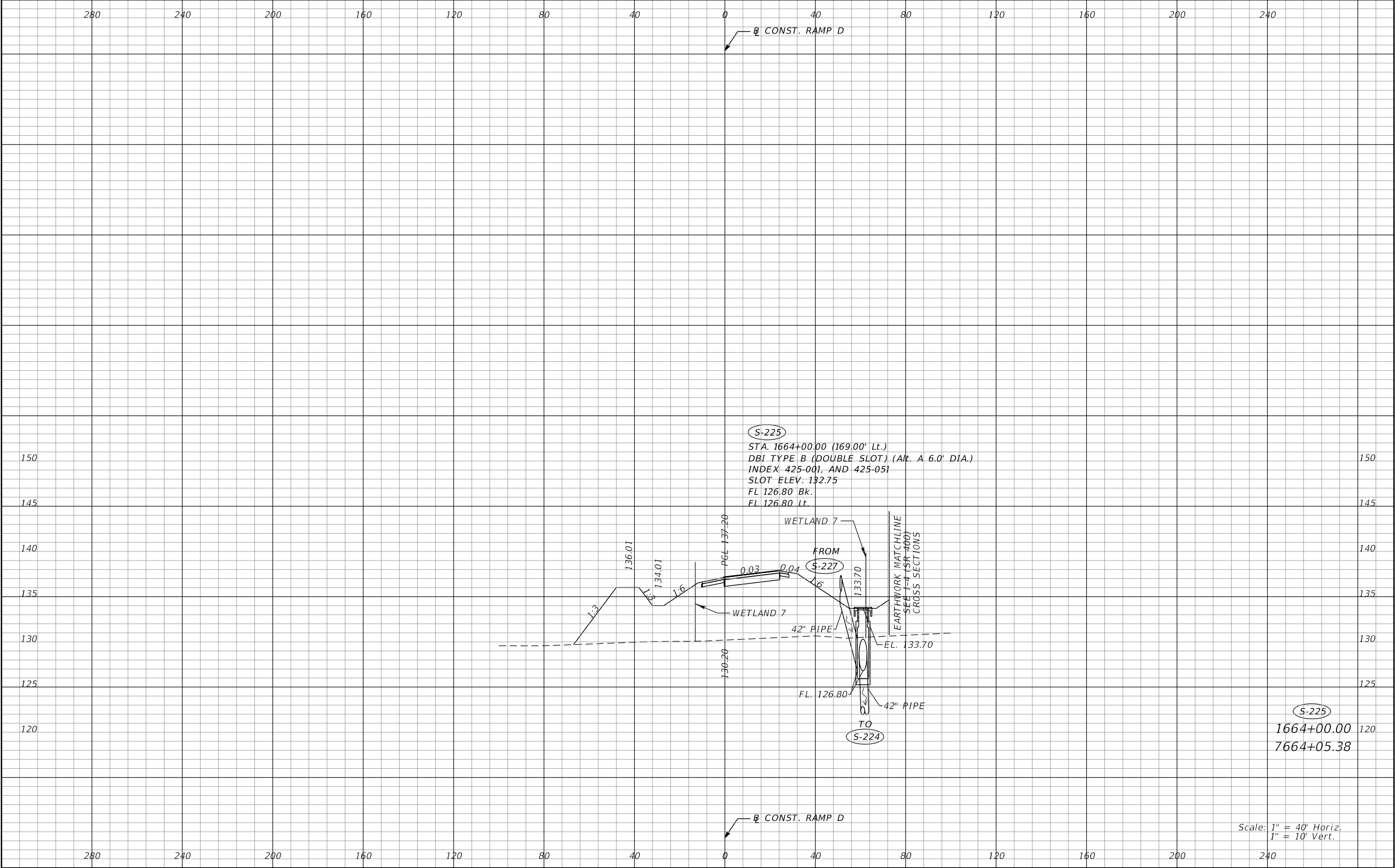
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1" = 10' Vert.



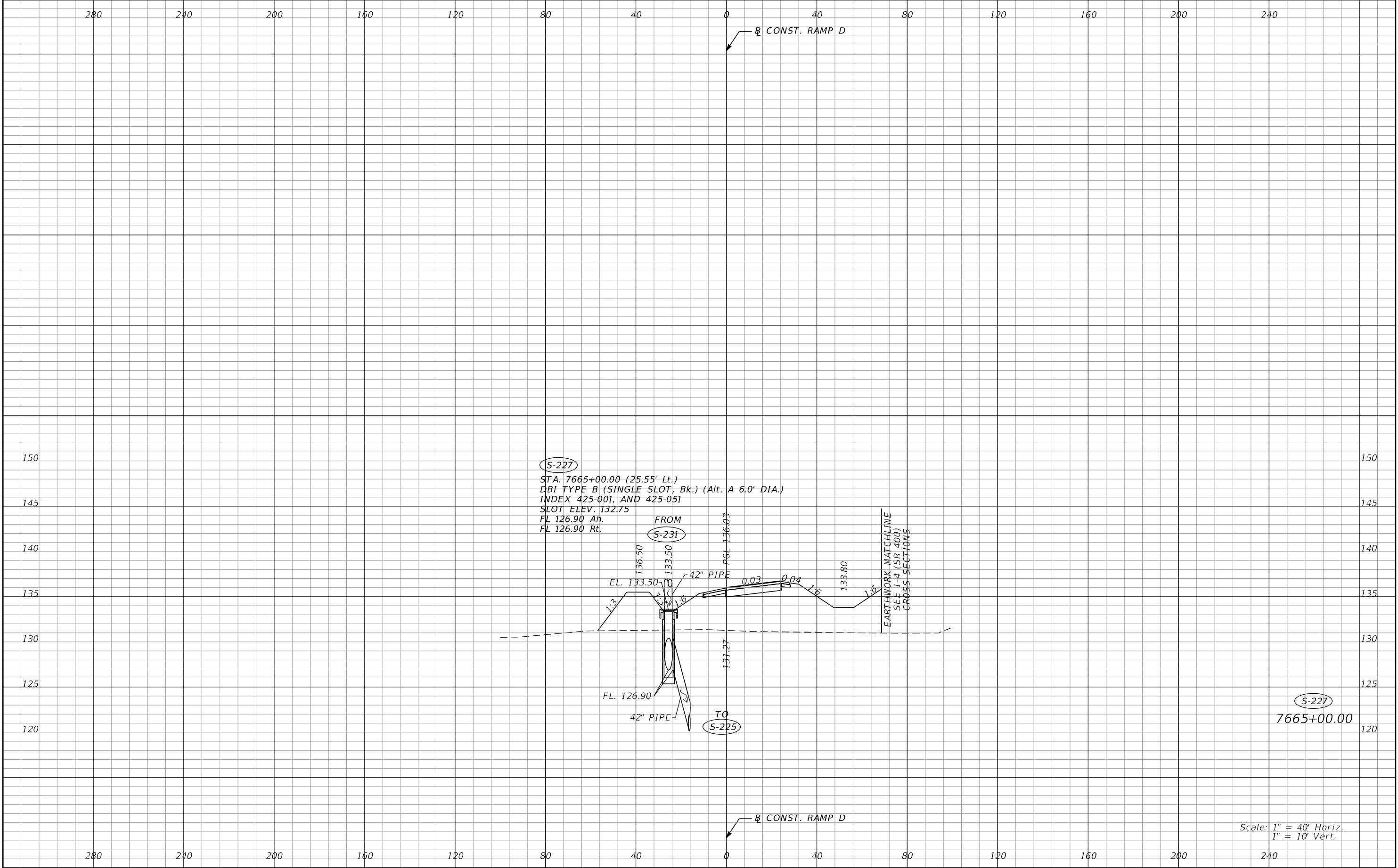
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP D	SHEET NO. 168
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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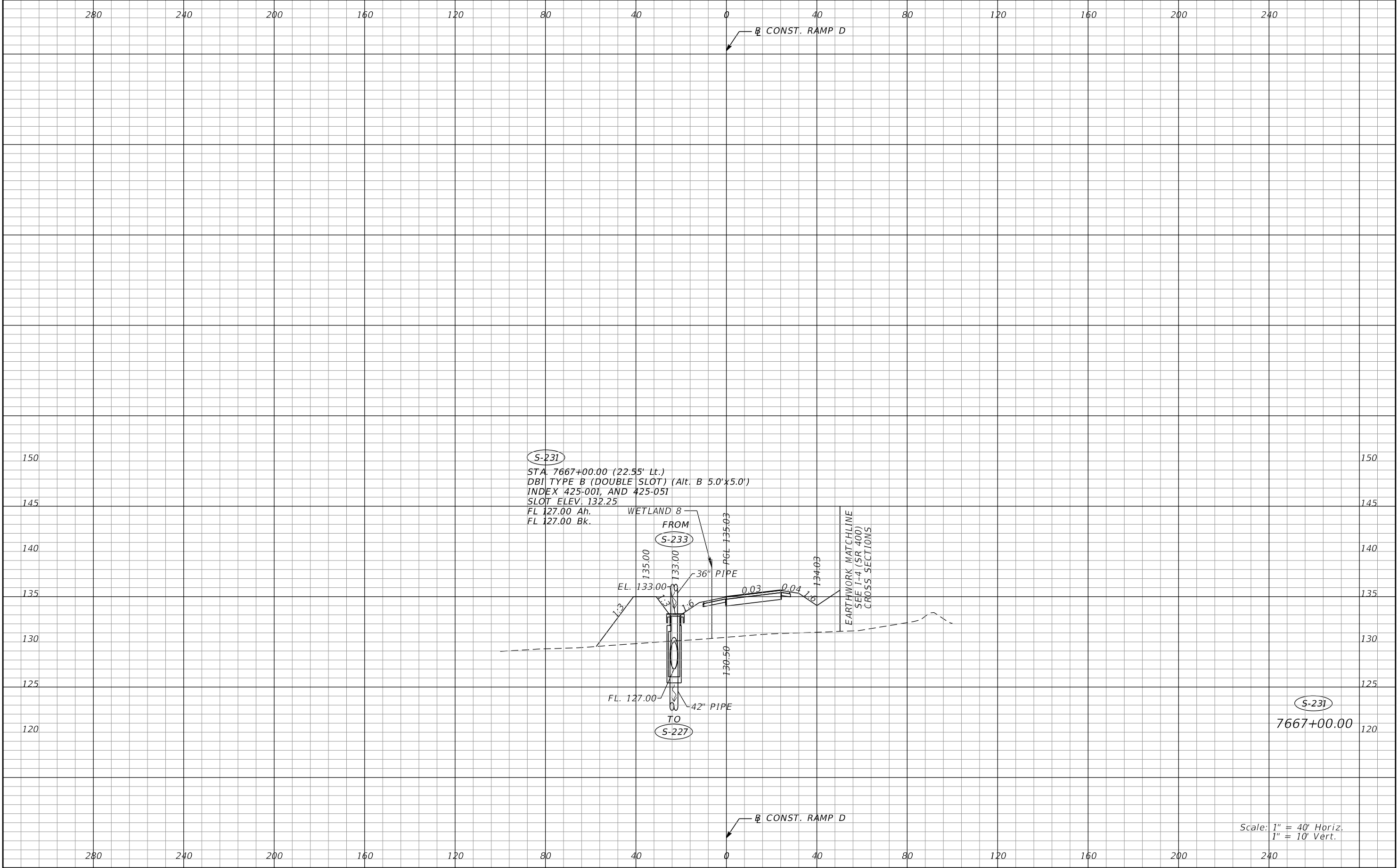
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP D	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		169

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



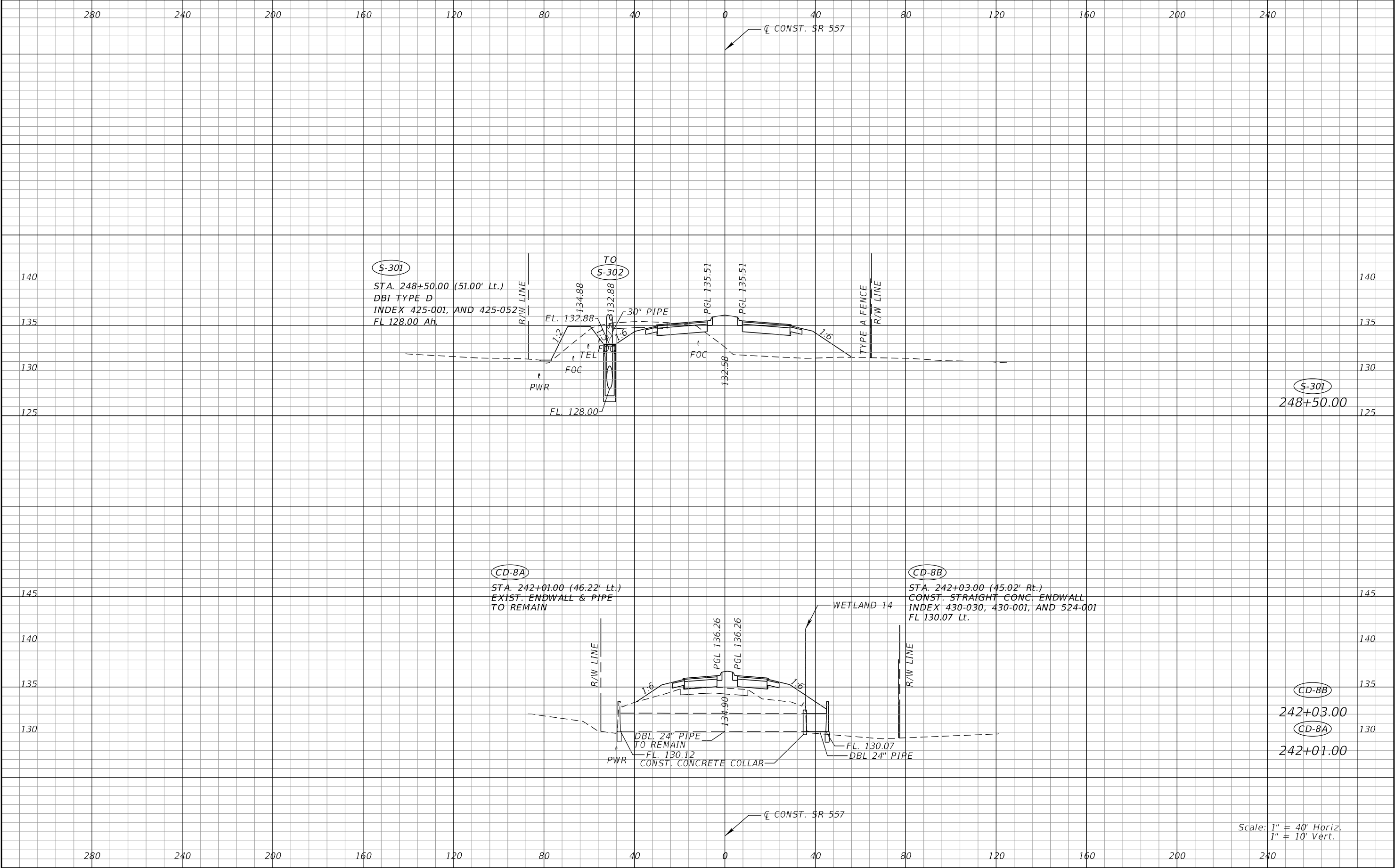
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP D		SHEET NO. 170
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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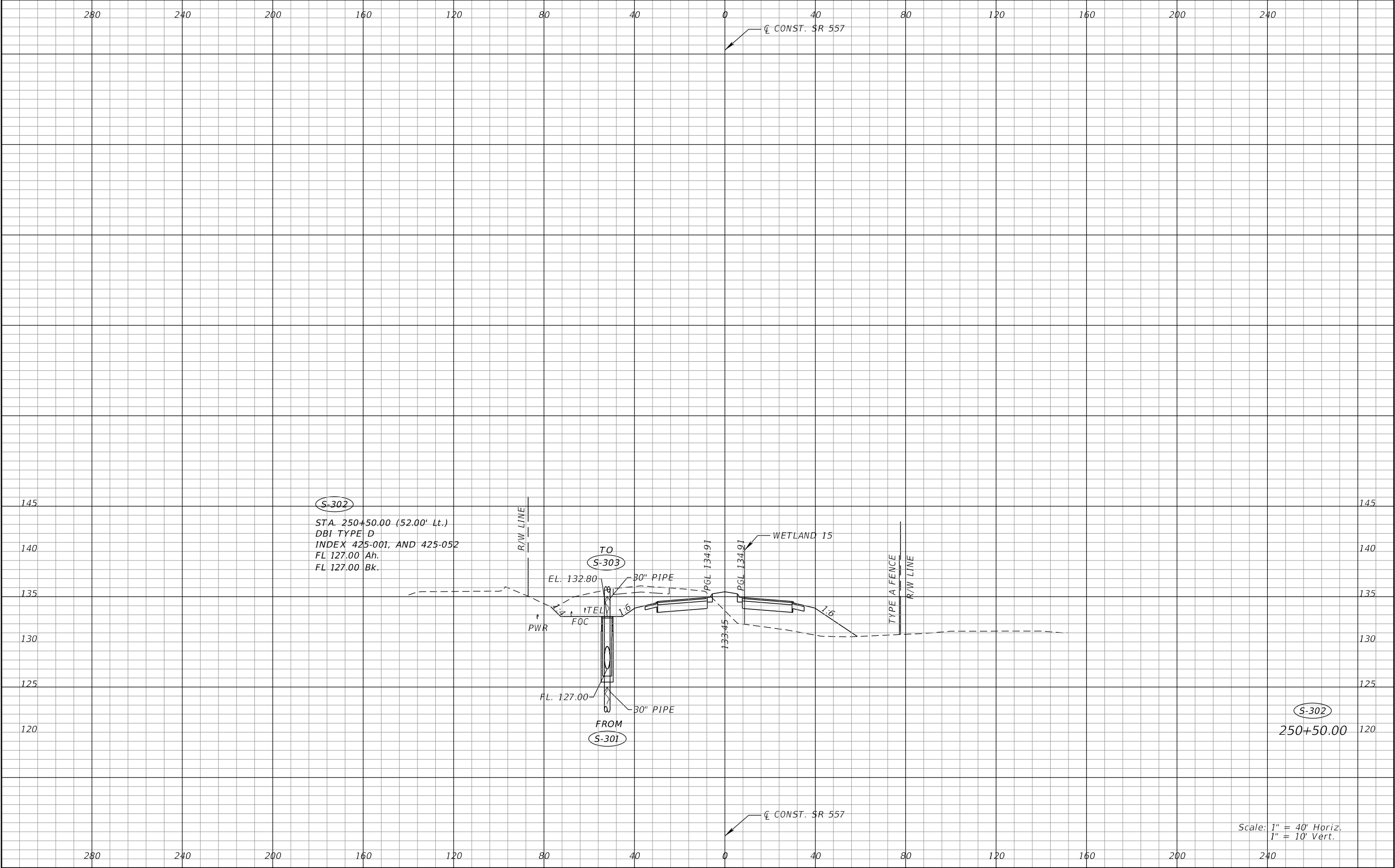
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES RAMP D	SHEET NO. 171
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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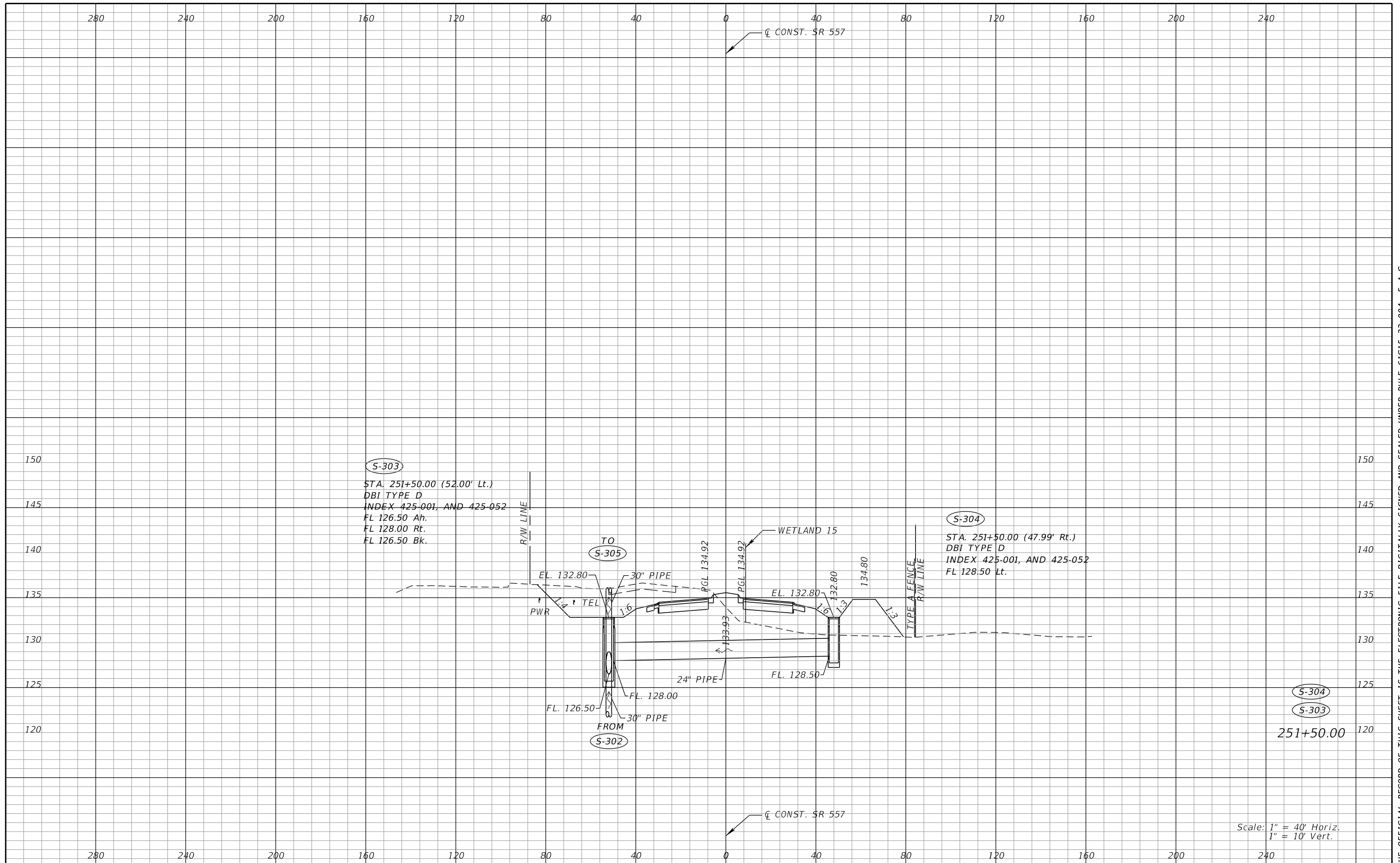
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 172
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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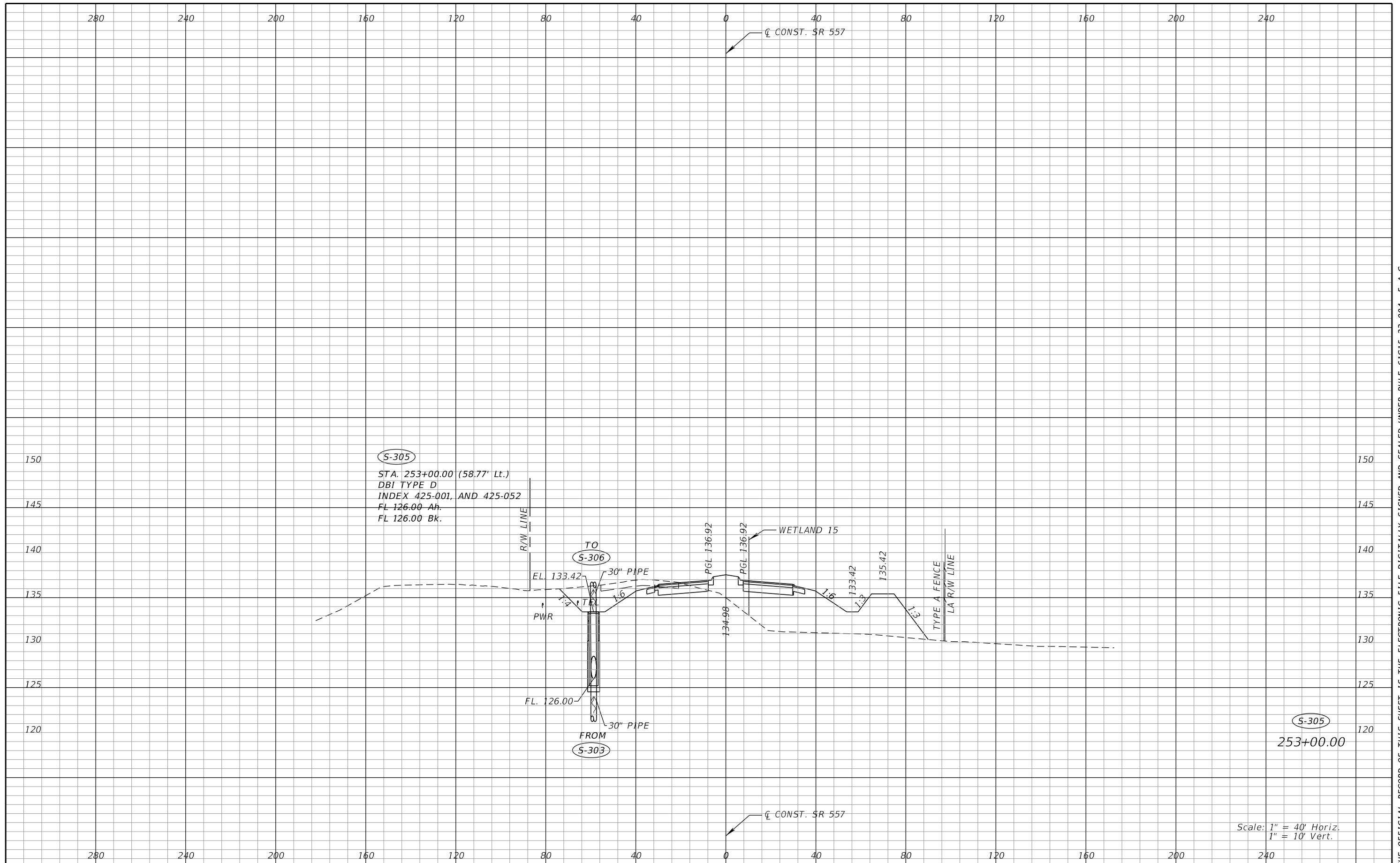
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557		SHEET NO. 173
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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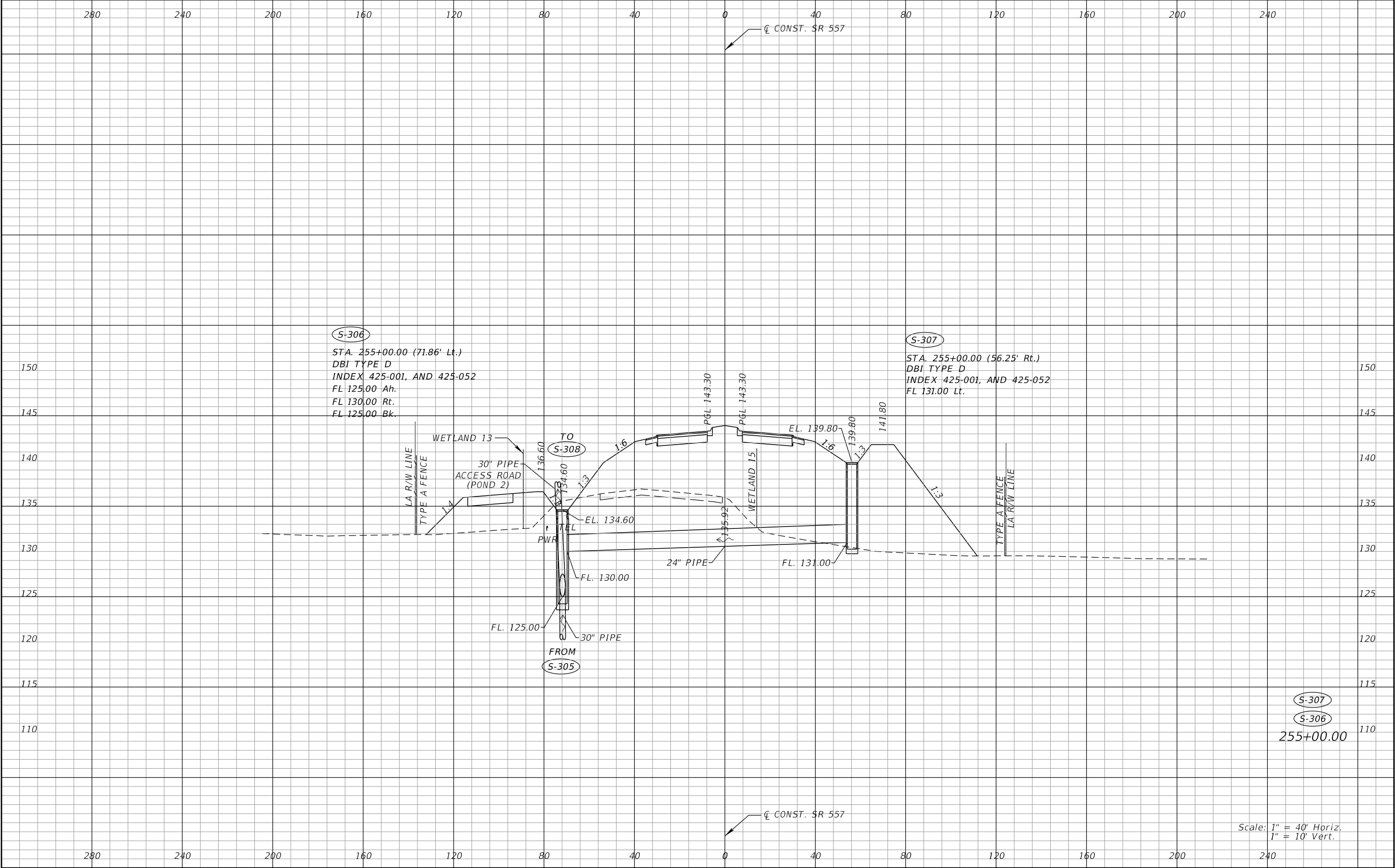
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>DRAINAGE STRUCTURES</i> <i>SR 557</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		174

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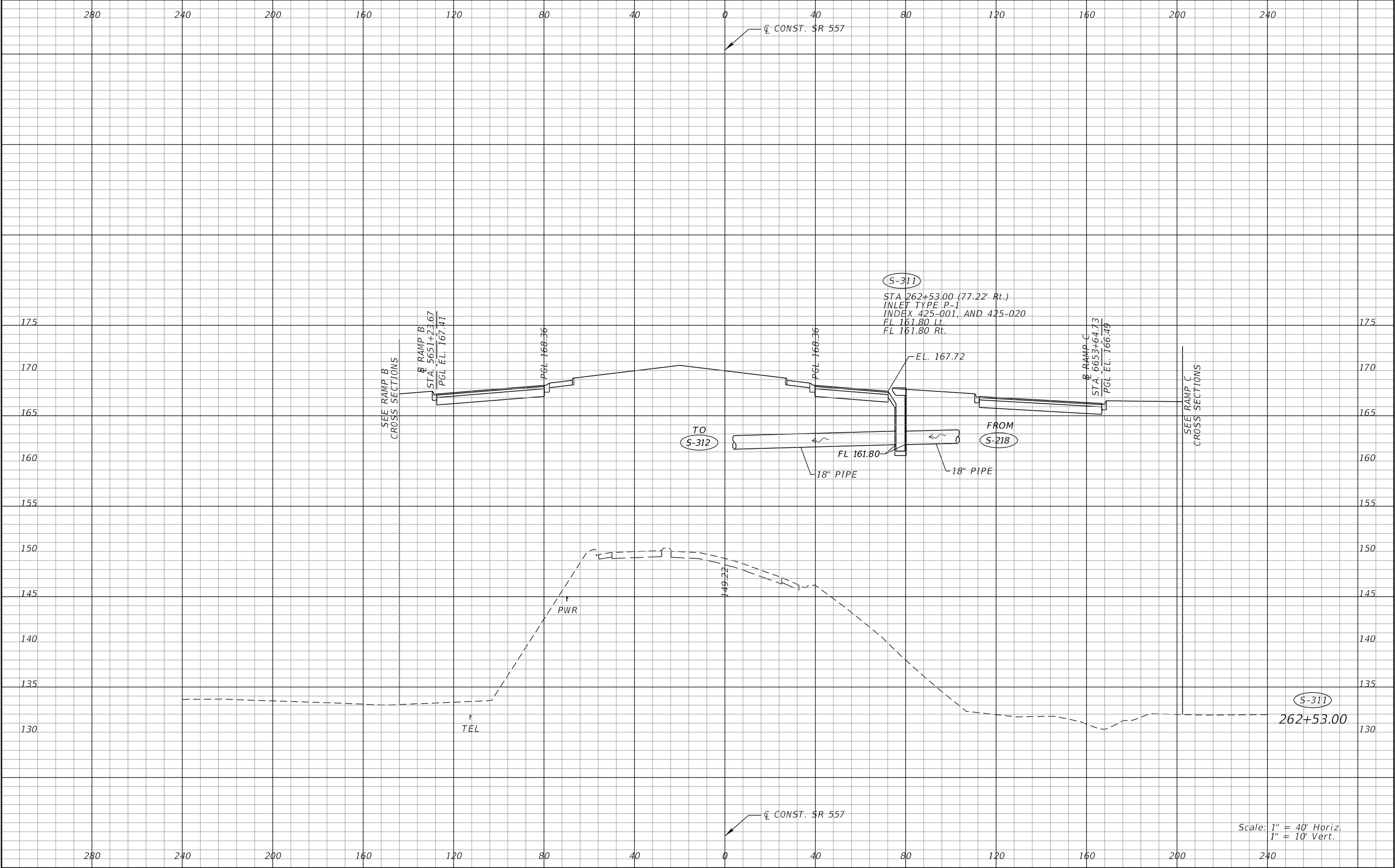
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557		SHEET NO. 176
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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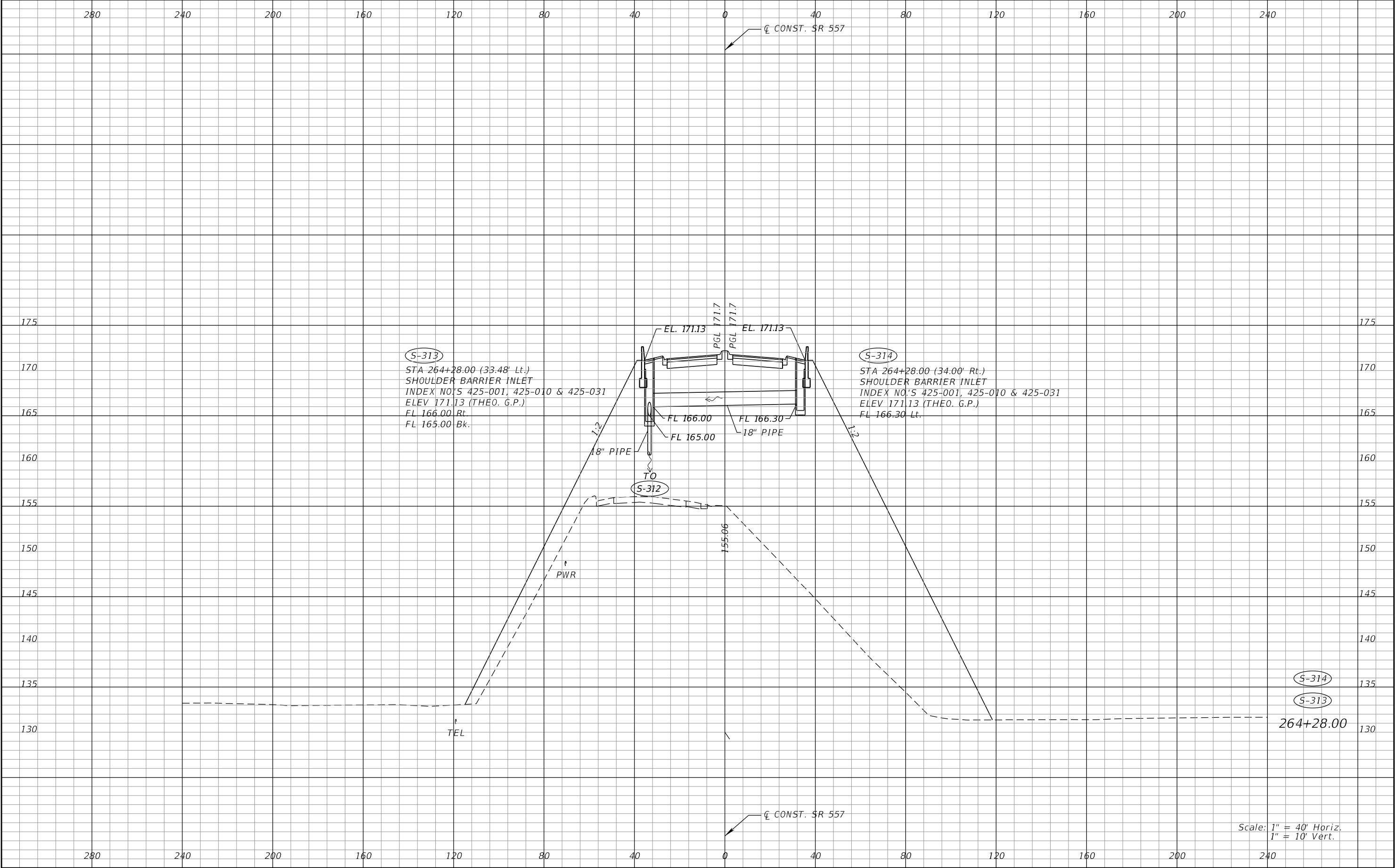




REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 179
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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Scale: 1" = 40' Horiz.
1" = 10' Vert.

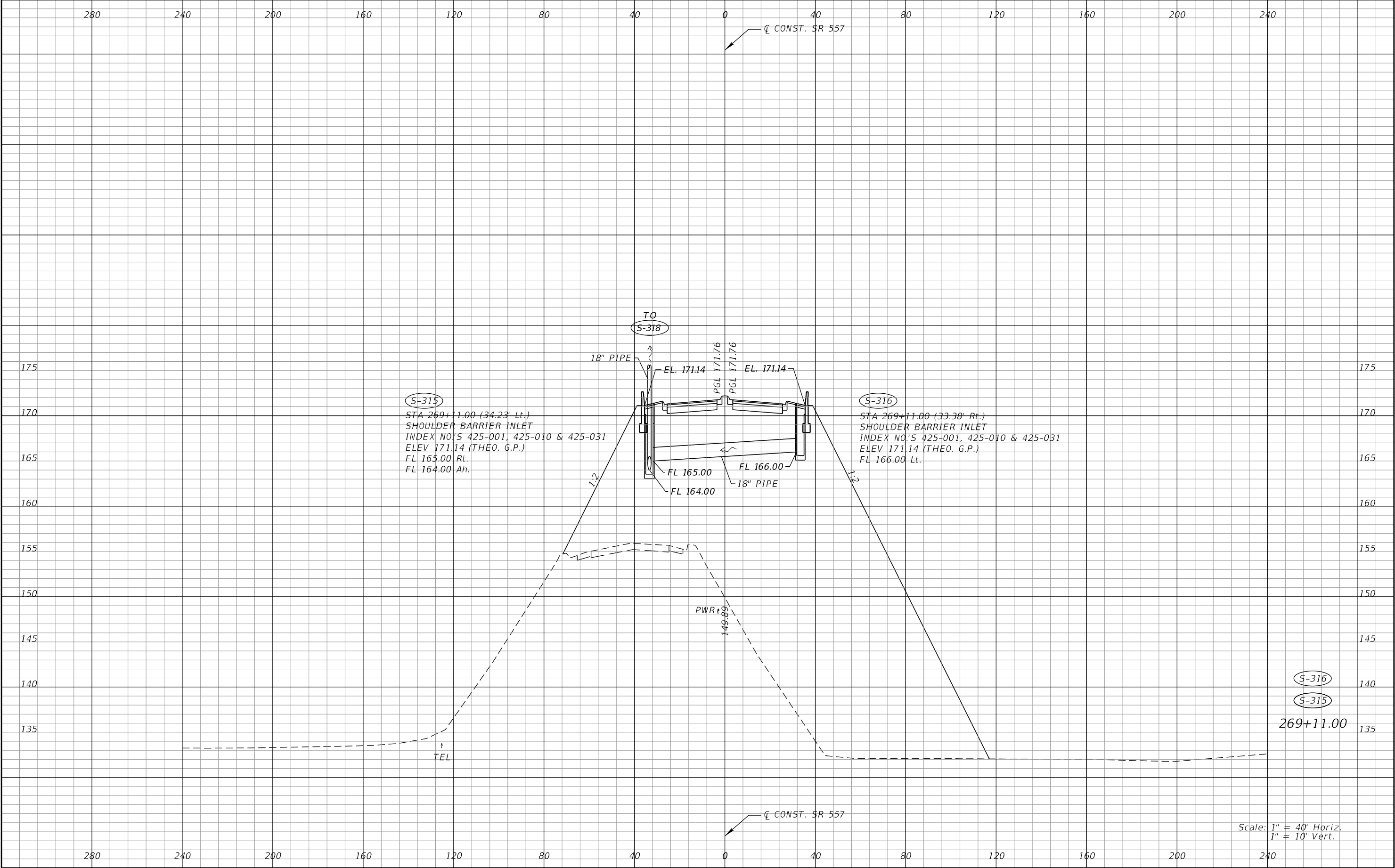
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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 181
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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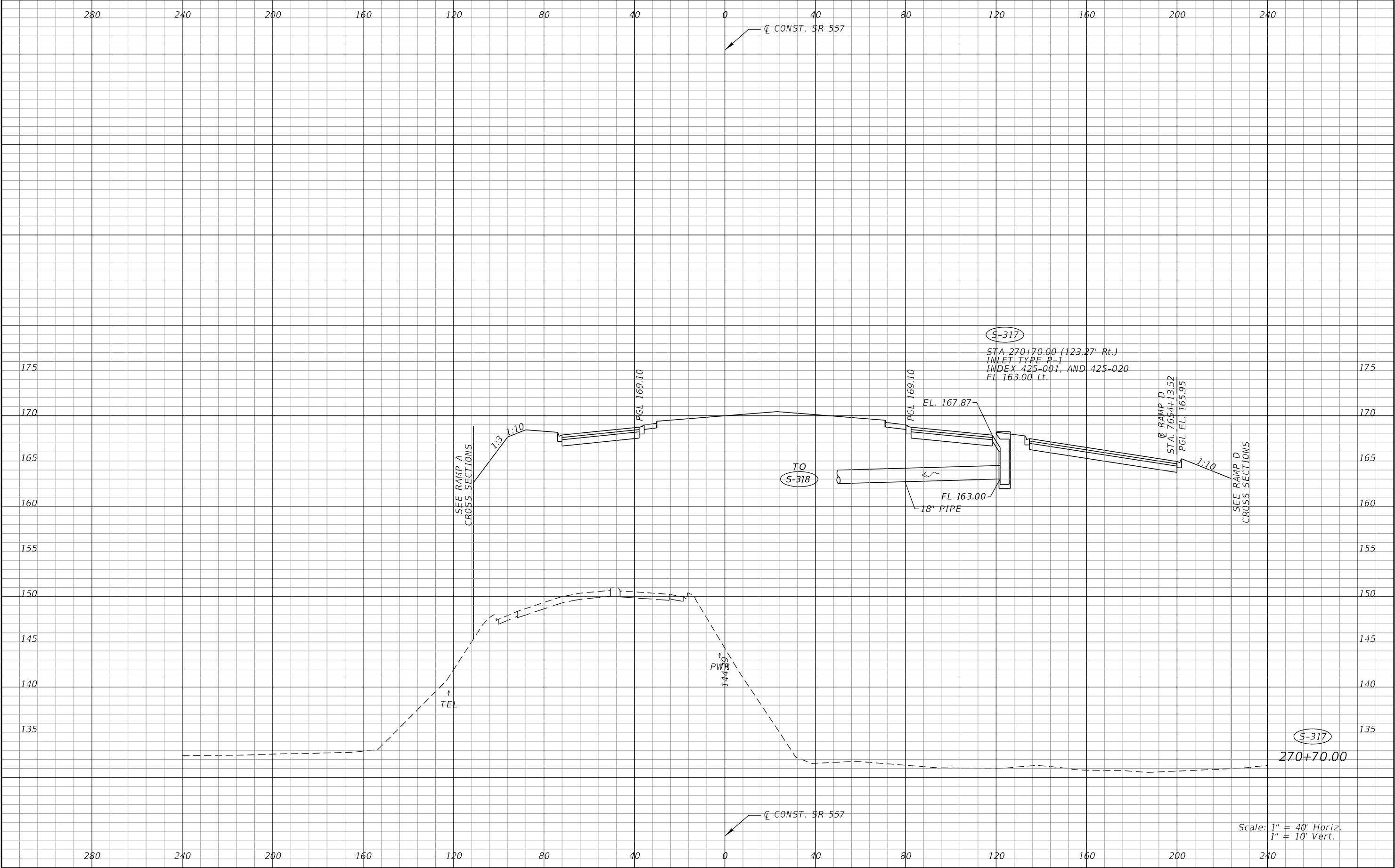
Scale: 1" = 40' Horiz.
1" = 10' Vert.

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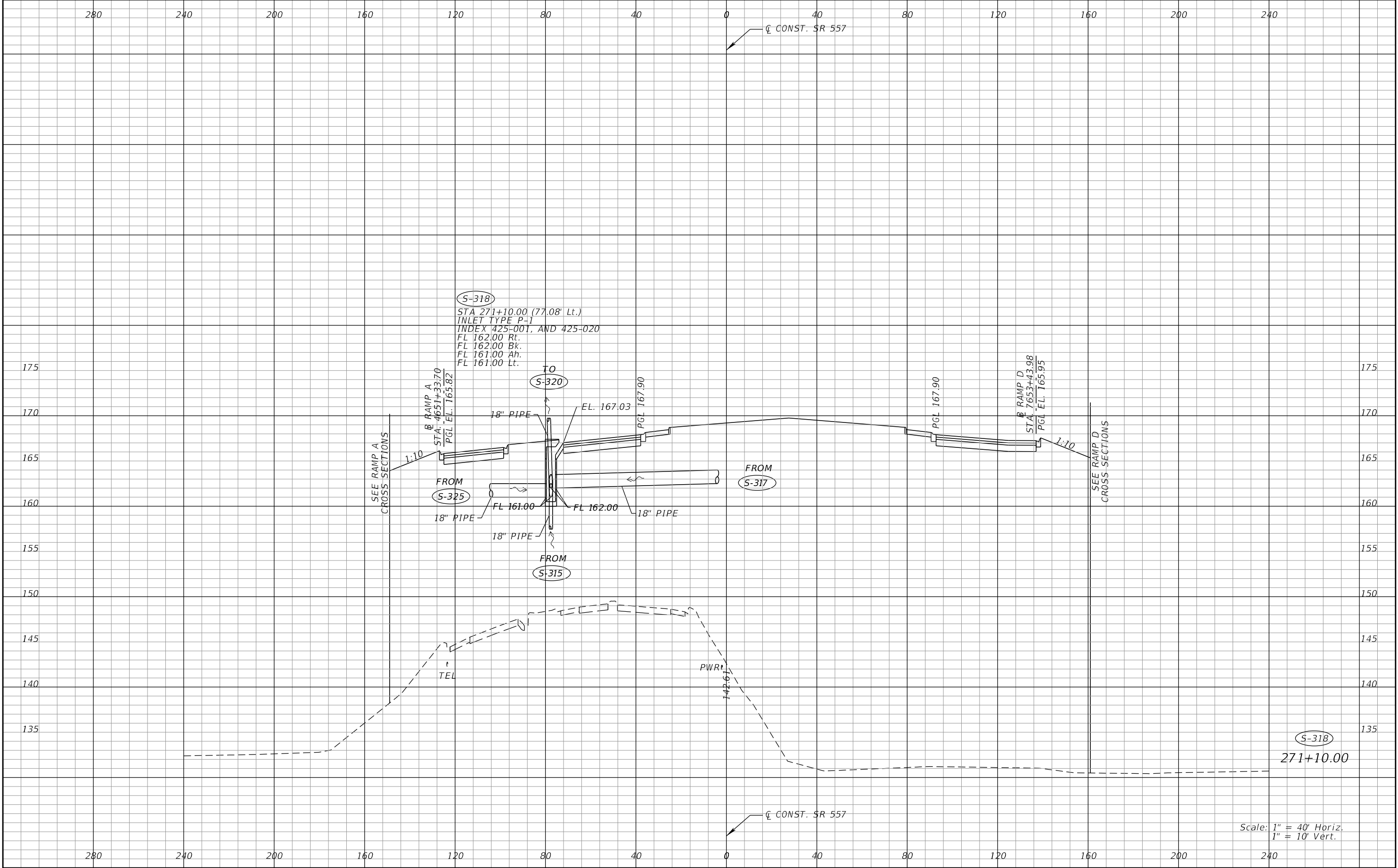
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557		SHEET NO. 182
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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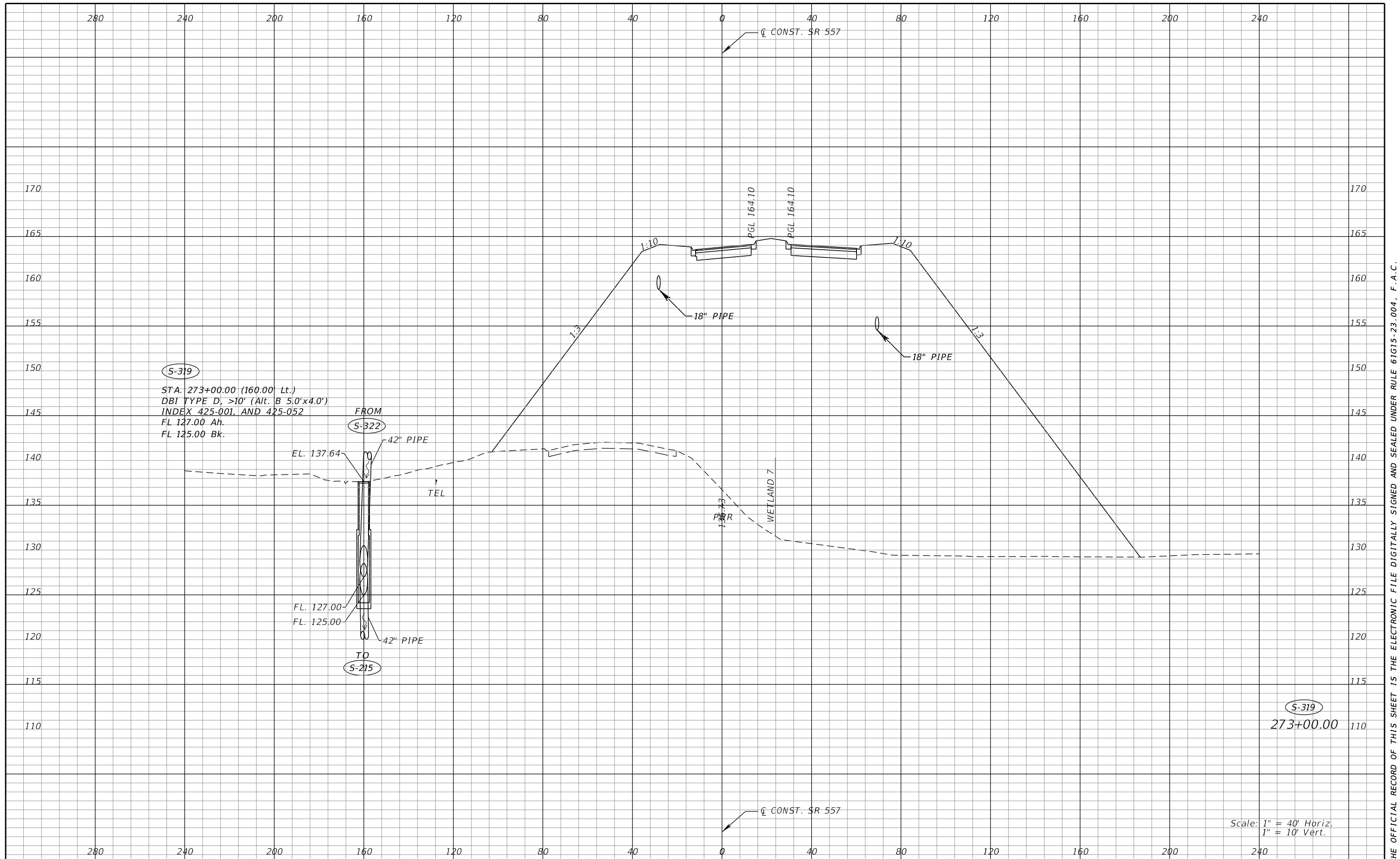
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 183
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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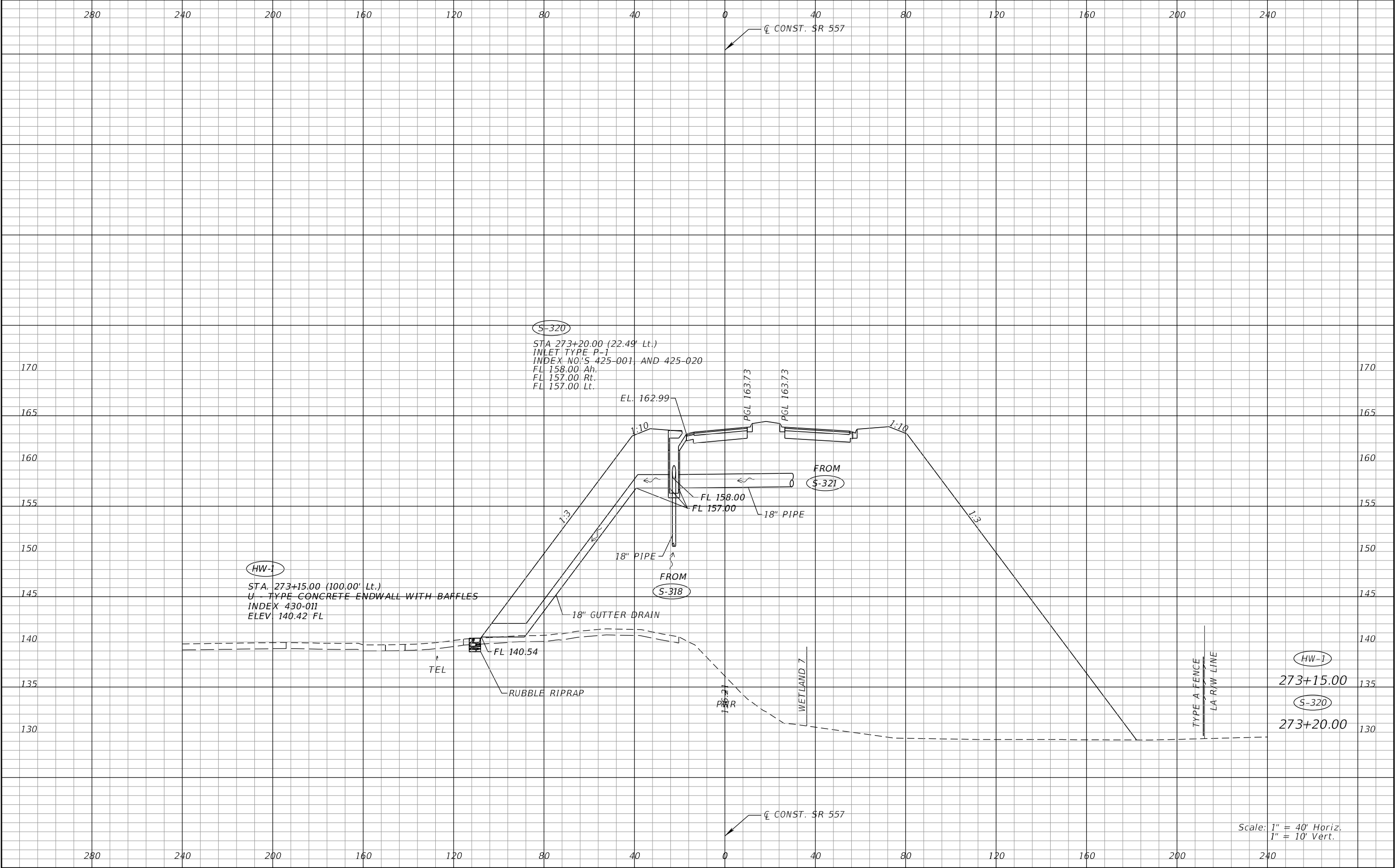


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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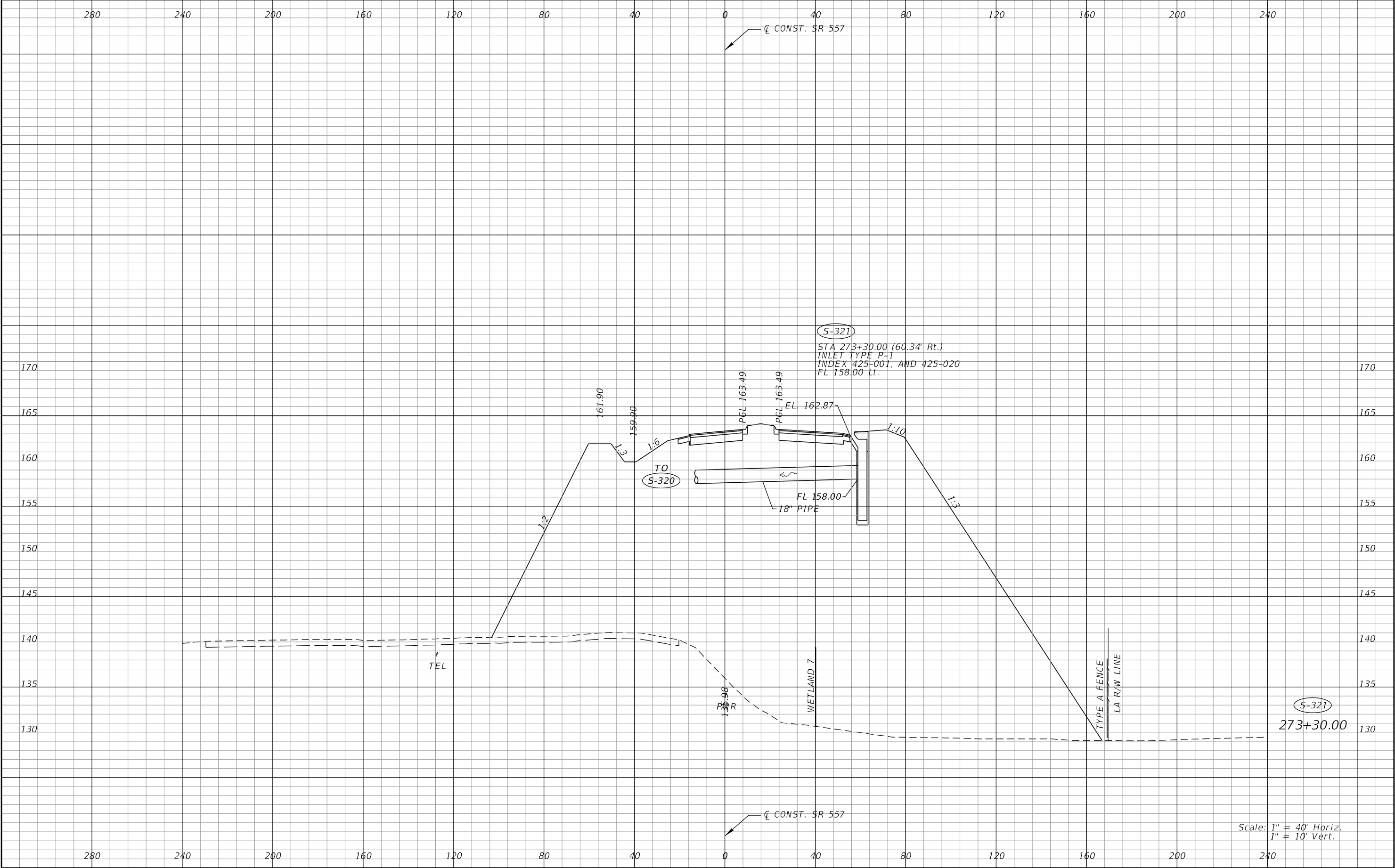


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>DRAINAGE STRUCTURES</i> <i>SR 557</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		185



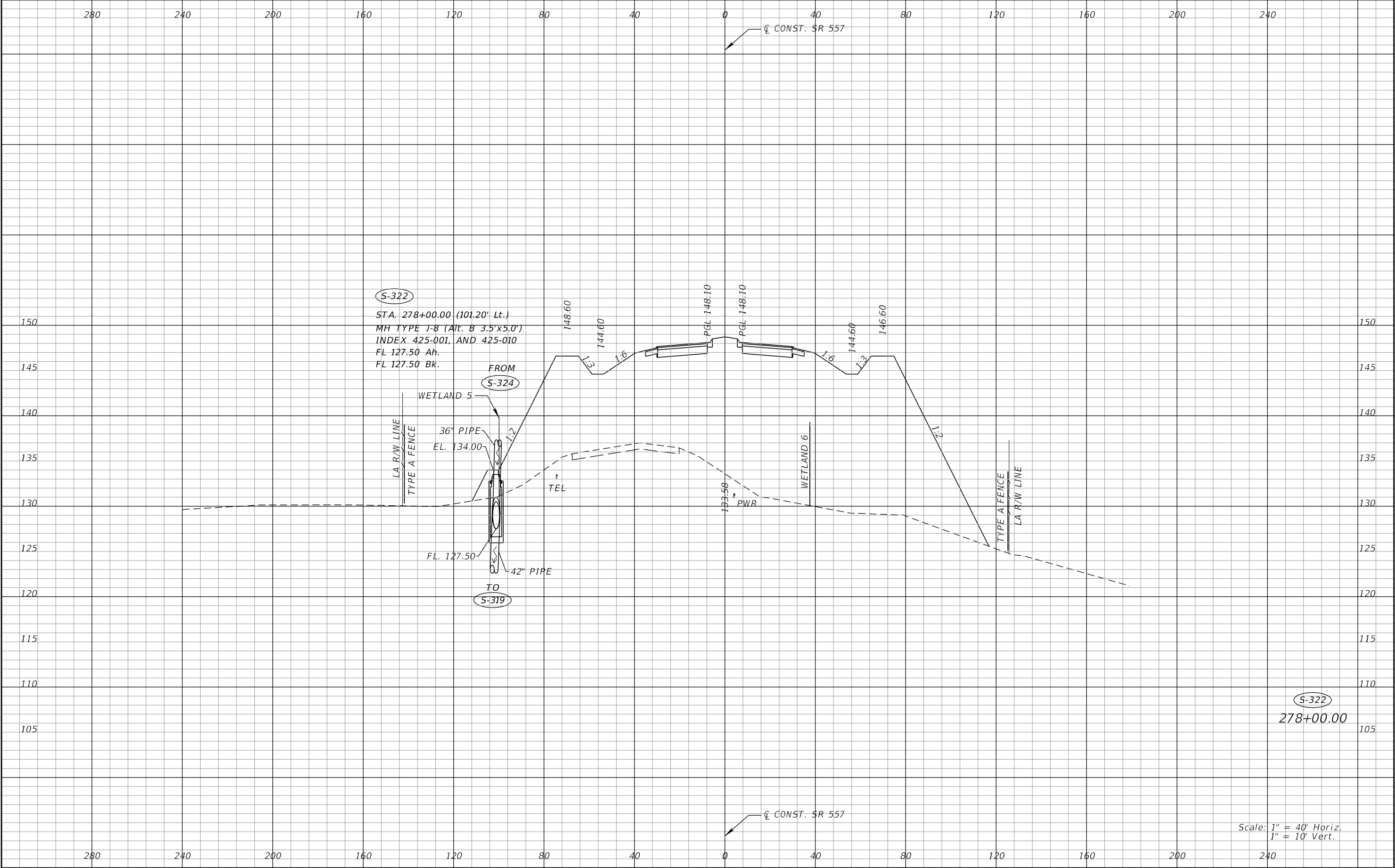
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 186
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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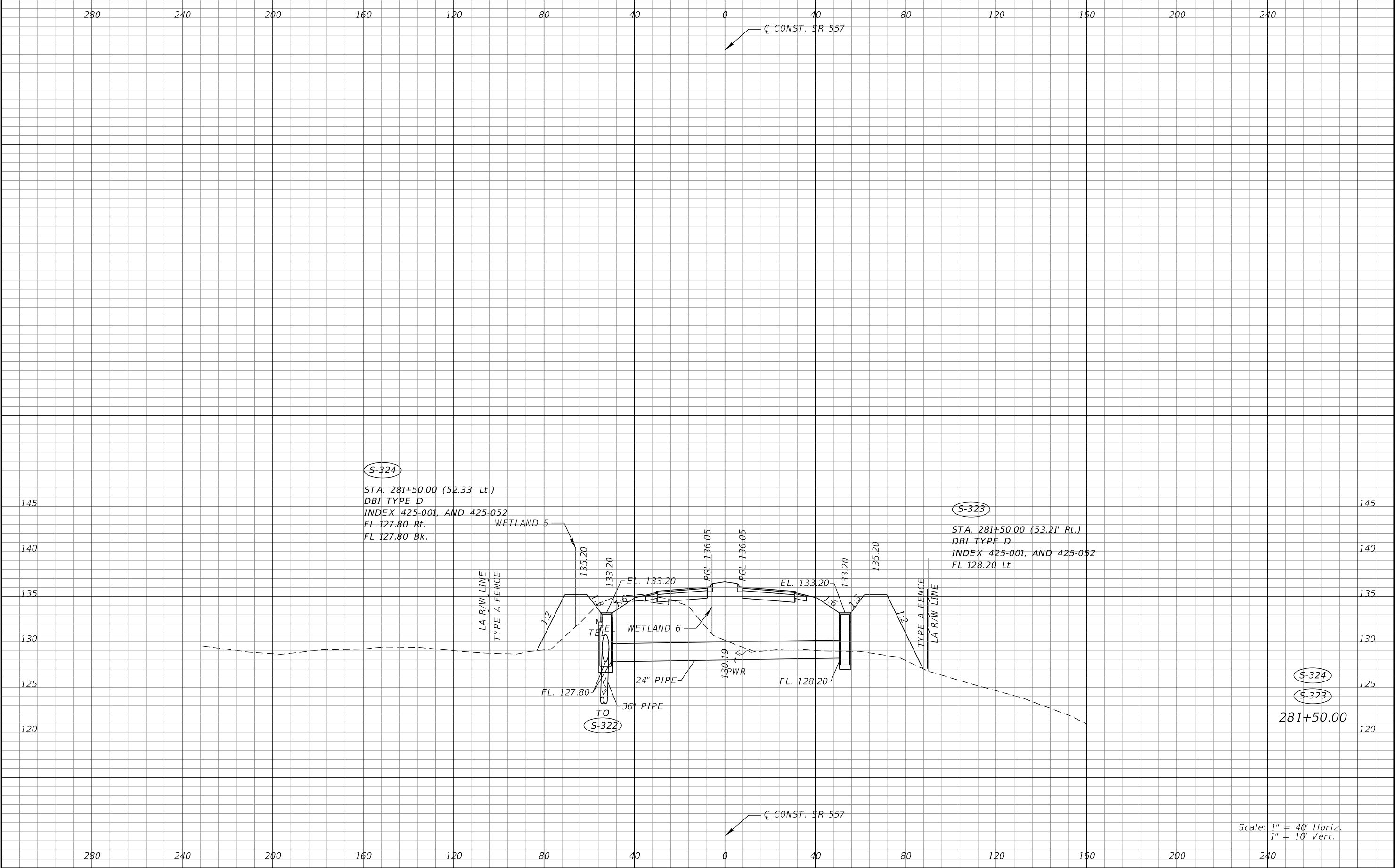
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 187
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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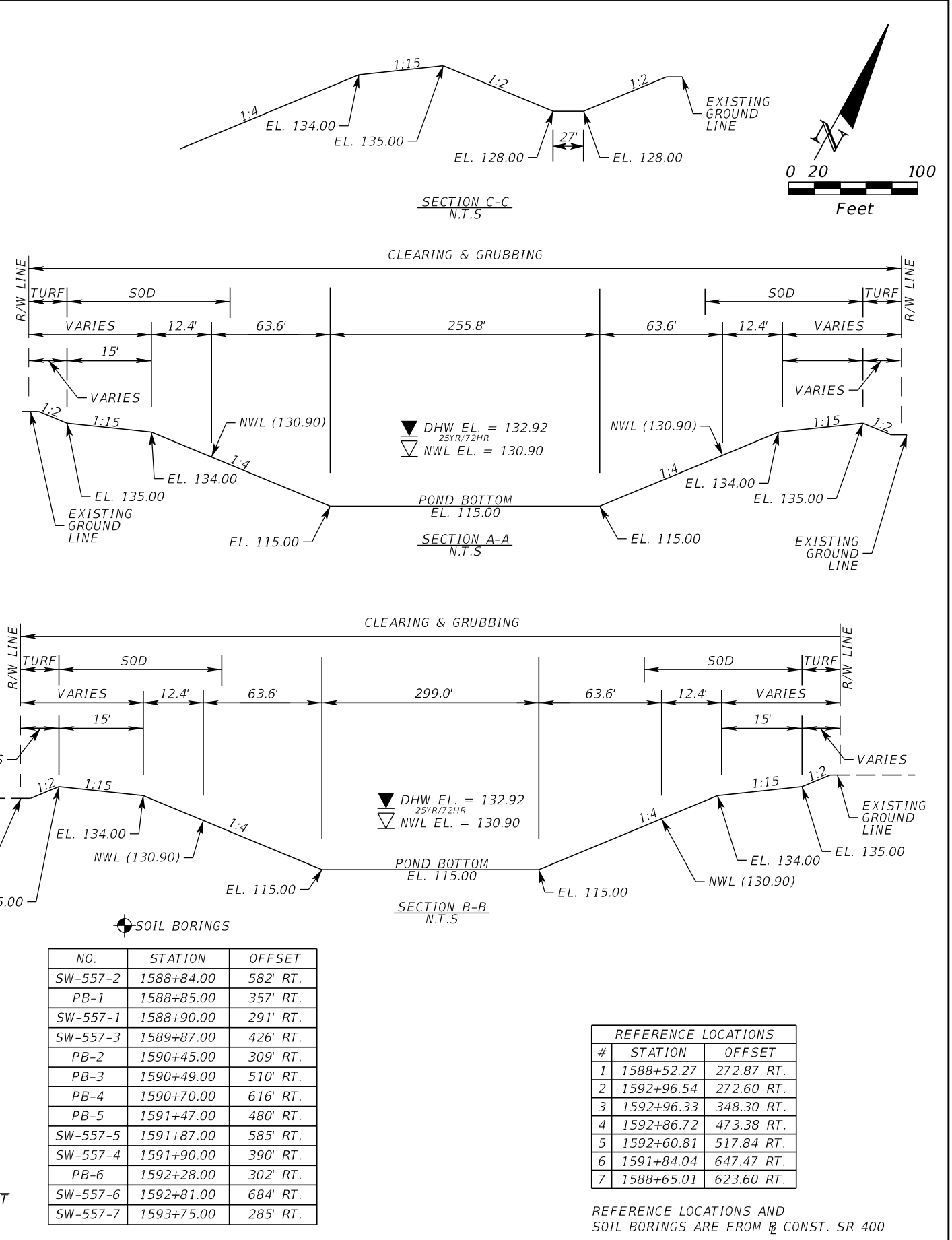
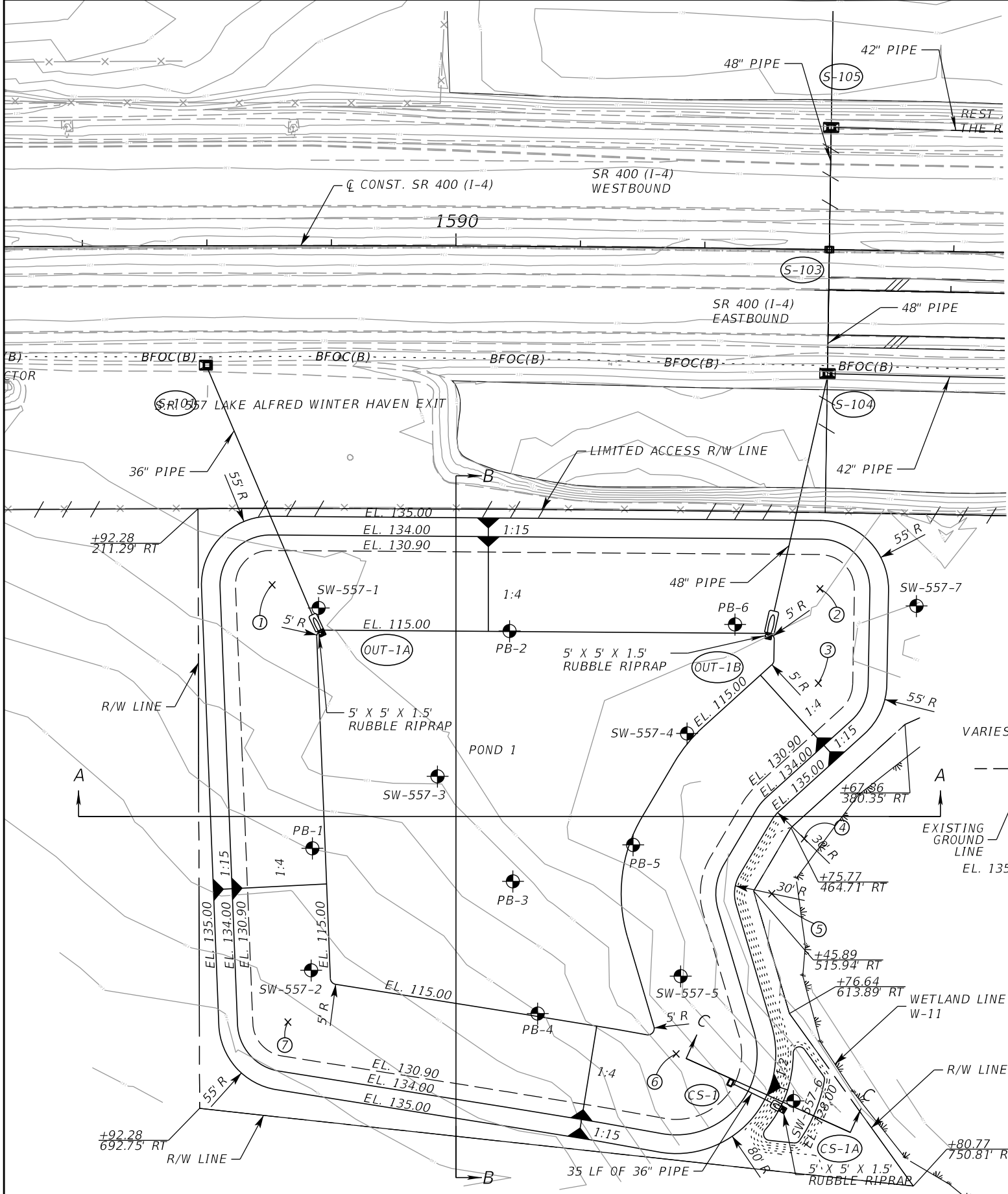
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES SR 557	SHEET NO. 188
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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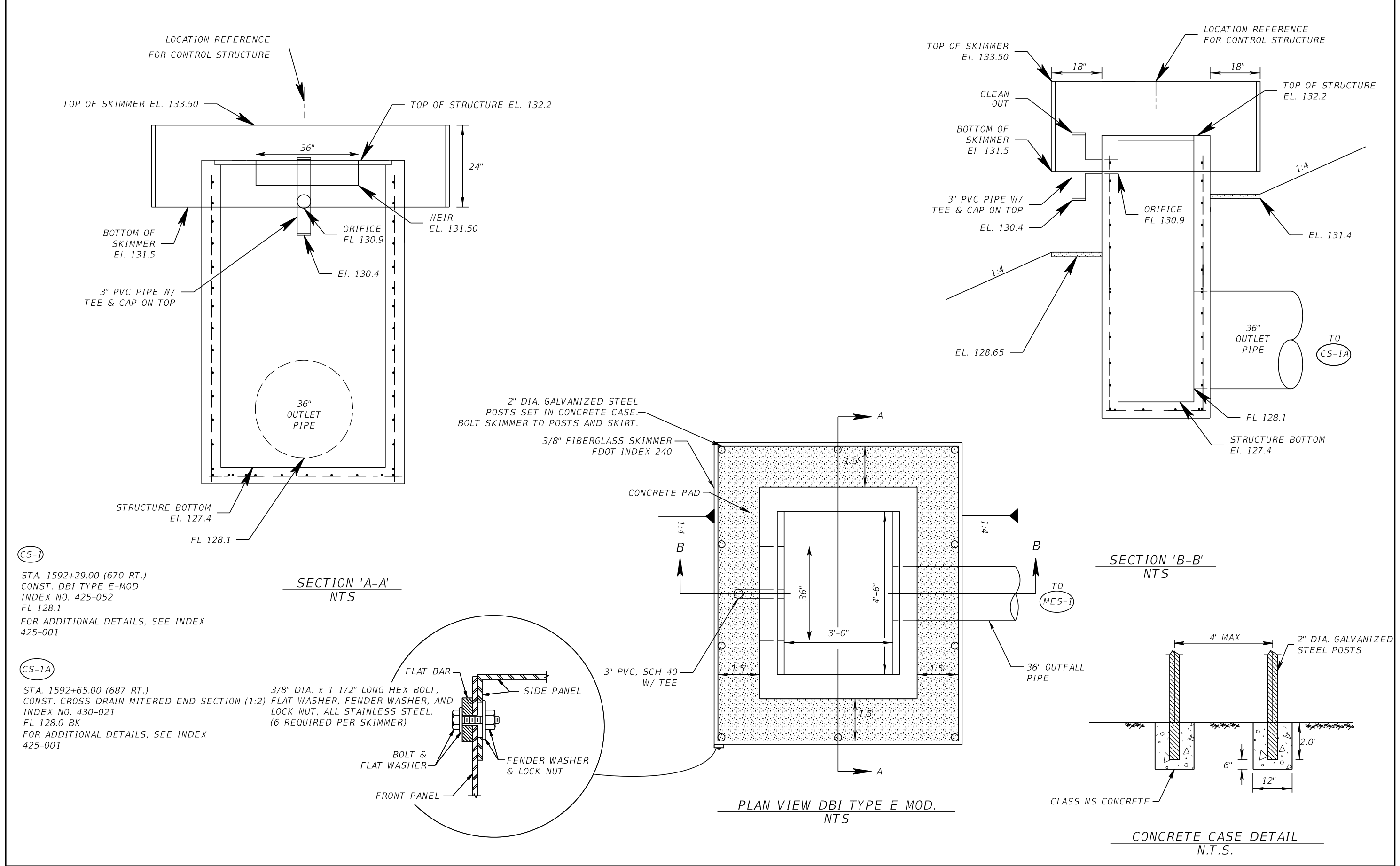


NO.	STATION	OFFSET
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PB-1	1588+85.00	357' RT.
SW-557-1	1588+90.00	291' RT.
SW-557-3	1589+87.00	426' RT.
PB-2	1590+45.00	309' RT.
PB-3	1590+49.00	510' RT.
PB-4	1590+70.00	616' RT.
PB-5	1591+47.00	480' RT.
SW-557-5	1591+87.00	585' RT.
SW-557-4	1591+90.00	390' RT.
PB-6	1592+28.00	302' RT.
SW-557-6	1592+81.00	684' RT.
SW-557-7	1593+75.00	285' RT.

REFERENCE LOCATIONS		
#	STATION	OFFSET
1	1588+52.27	272.87 RT.
2	1592+96.54	272.60 RT.
3	1592+96.33	348.30 RT.
4	1592+86.72	473.38 RT.
5	1592+60.81	517.84 RT.
6	1591+84.04	647.47 RT.
7	1588+65.01	623.60 RT.

REFERENCE LOCATIONS AND
SOIL BORINGS ARE FROM B CONST. SR 400

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 DETAIL SHEET	SHEET NO. 190
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

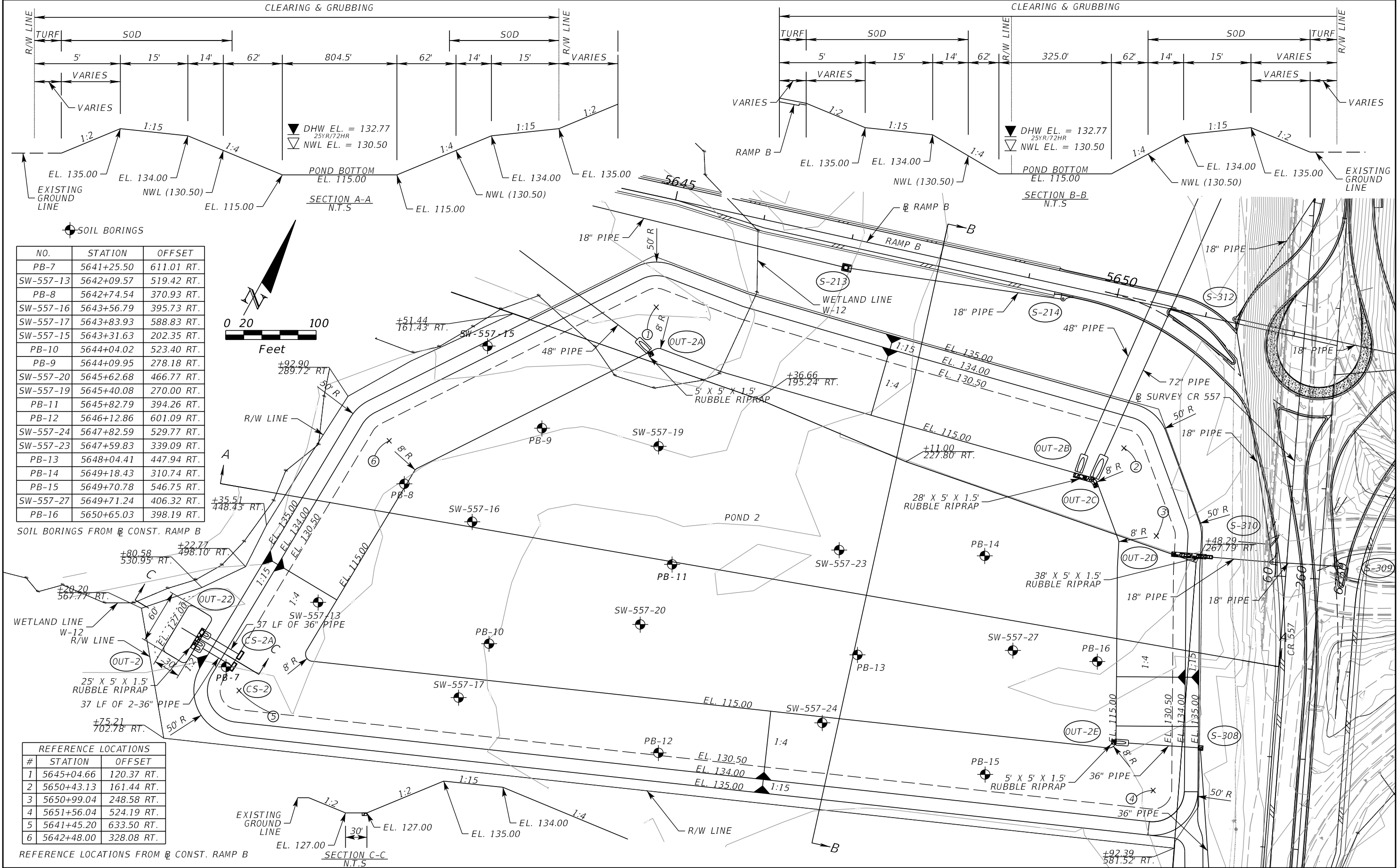


(CS-1)
STA. 1592+29.00 (670 RT.)
CONST. DBI TYPE E-MOD
INDEX NO. 425-052
FL 128.1
FOR ADDITIONAL DETAILS, SEE INDEX
425-001

(CS-1A)
STA. 1592+65.00 (687 RT.)
CONST. CROSS DRAIN MITERED END SECTION (1:2)
INDEX NO. 430-021
FL 128.0 BK
FOR ADDITIONAL DETAILS, SEE INDEX
425-001

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 DETAIL SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		191

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NO.	STATION	OFFSET
PB-7	5641+25.50	611.01 RT.
SW-557-13	5642+09.57	519.42 RT.
PB-8	5642+74.54	370.93 RT.
SW-557-16	5643+56.79	395.73 RT.
SW-557-17	5643+83.93	588.83 RT.
SW-557-15	5643+31.63	202.35 RT.
PB-10	5644+04.02	523.40 RT.
PB-9	5644+09.95	278.18 RT.
SW-557-20	5645+62.68	466.77 RT.
SW-557-19	5645+40.08	270.00 RT.
PB-11	5645+82.79	394.26 RT.
PB-12	5646+12.86	601.09 RT.
SW-557-24	5647+82.59	529.77 RT.
SW-557-23	5647+59.83	339.09 RT.
PB-13	5648+04.41	447.94 RT.
PB-14	5649+18.43	310.74 RT.
PB-15	5649+70.78	546.75 RT.
SW-557-27	5649+71.24	406.32 RT.
PB-16	5650+65.03	398.19 RT.

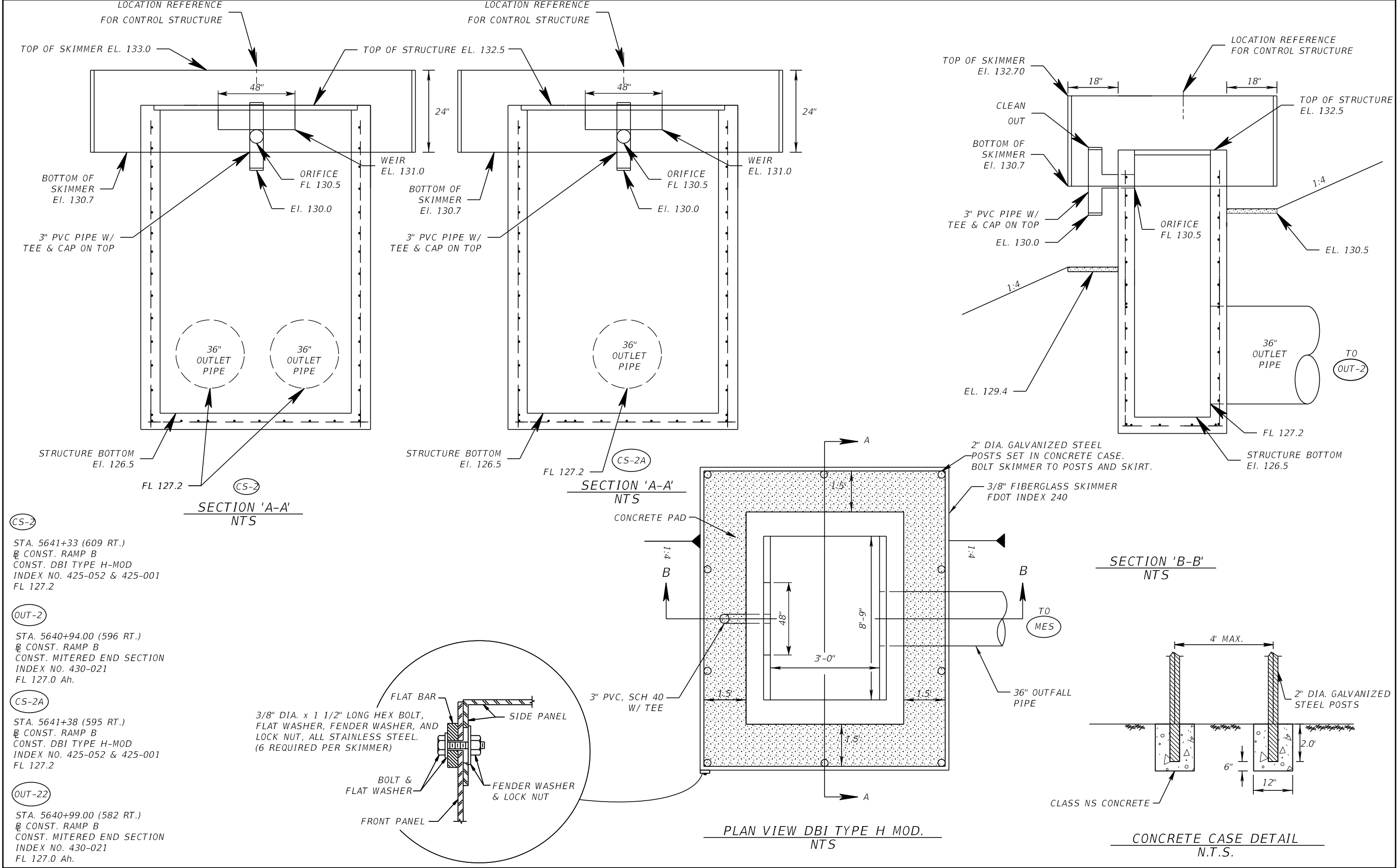
SOIL BORINGS FROM CONST. RAMP B

#	STATION	OFFSET
1	5645+04.66	120.37 RT.
2	5650+43.13	161.44 RT.
3	5650+99.04	248.58 RT.
4	5651+56.04	524.19 RT.
5	5641+45.20	633.50 RT.
6	5642+48.00	328.08 RT.

REFERENCE LOCATIONS FROM CONST. RAMP B

REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 DETAIL SHEET	SHEET NO. 192
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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- CS-2**

STA. 5641+33 (609 RT.)
CONST. RAMP B
CONST. DBI TYPE H-MOD
INDEX NO. 425-052 & 425-001
FL 127.2
- OUT-2**

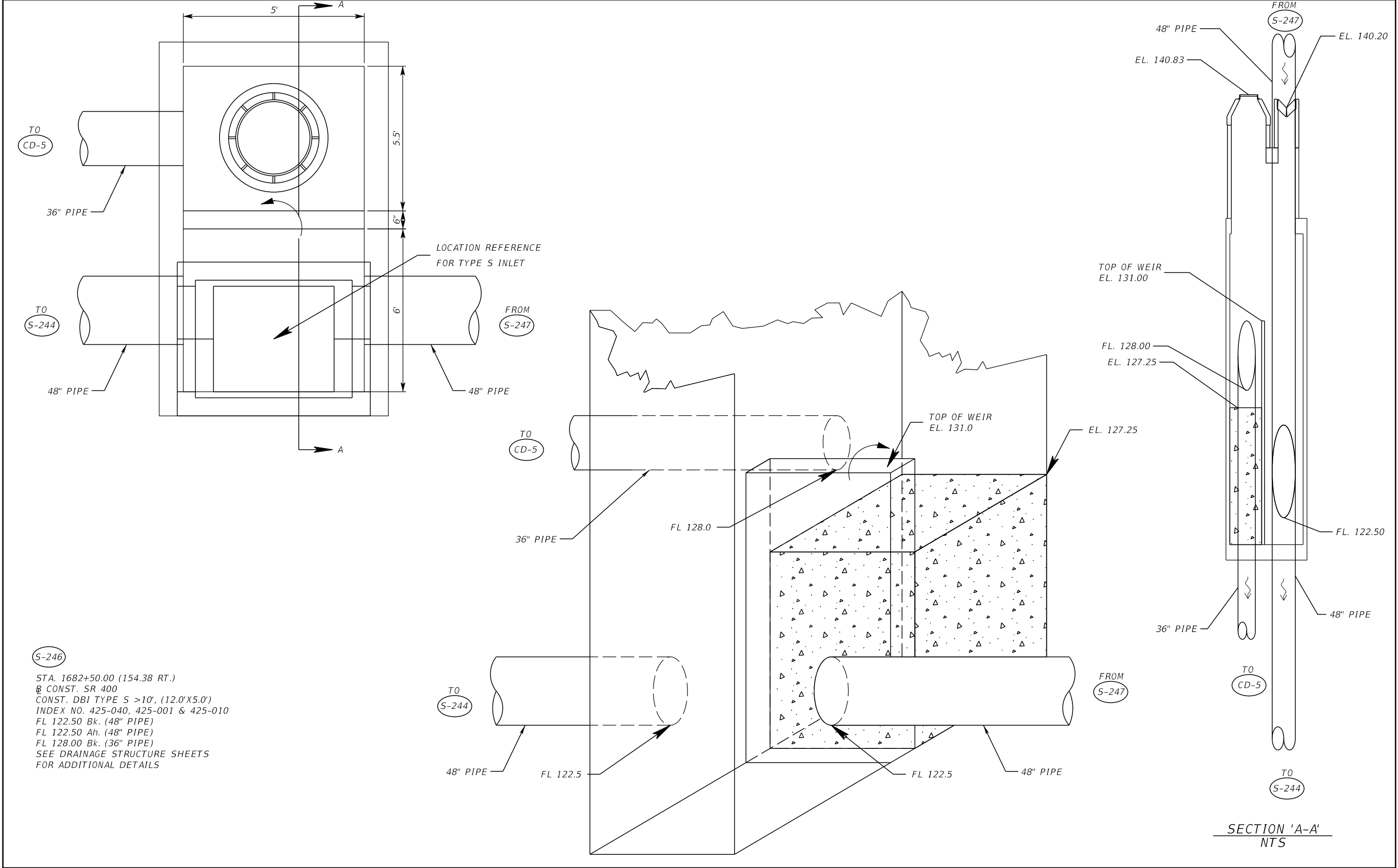
STA. 5640+94.00 (596 RT.)
CONST. RAMP B
CONST. MITERED END SECTION
INDEX NO. 430-021
FL 127.0 Ah.
- CS-2A**

STA. 5641+38 (595 RT.)
CONST. RAMP B
CONST. DBI TYPE H-MOD
INDEX NO. 425-052 & 425-001
FL 127.2
- OUT-22**

STA. 5640+99.00 (582 RT.)
CONST. RAMP B
CONST. MITERED END SECTION
INDEX NO. 430-021
FL 127.0 Ah.

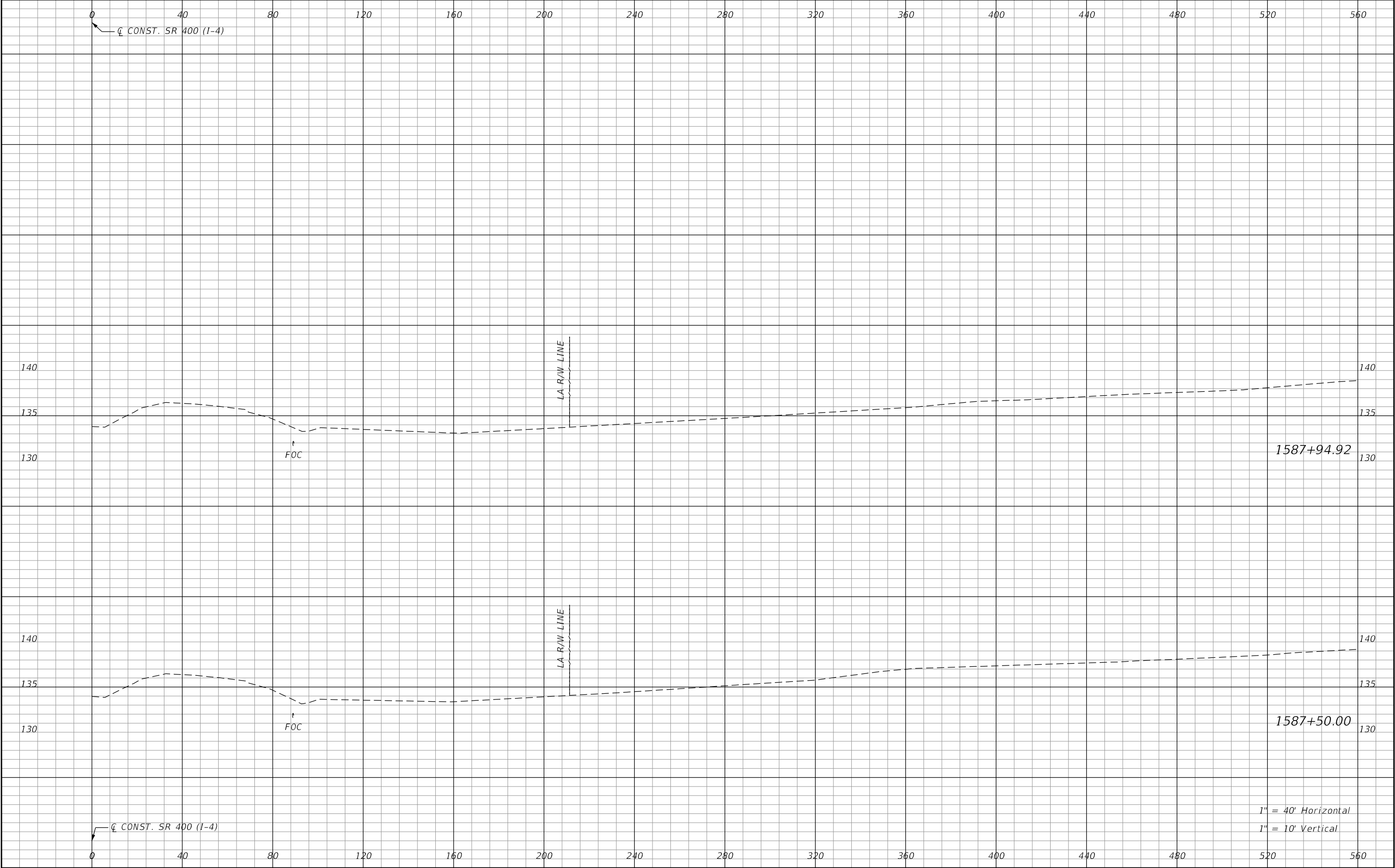
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 DETAIL SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		193
					SR 400	POLK	201215-3-52-01		

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



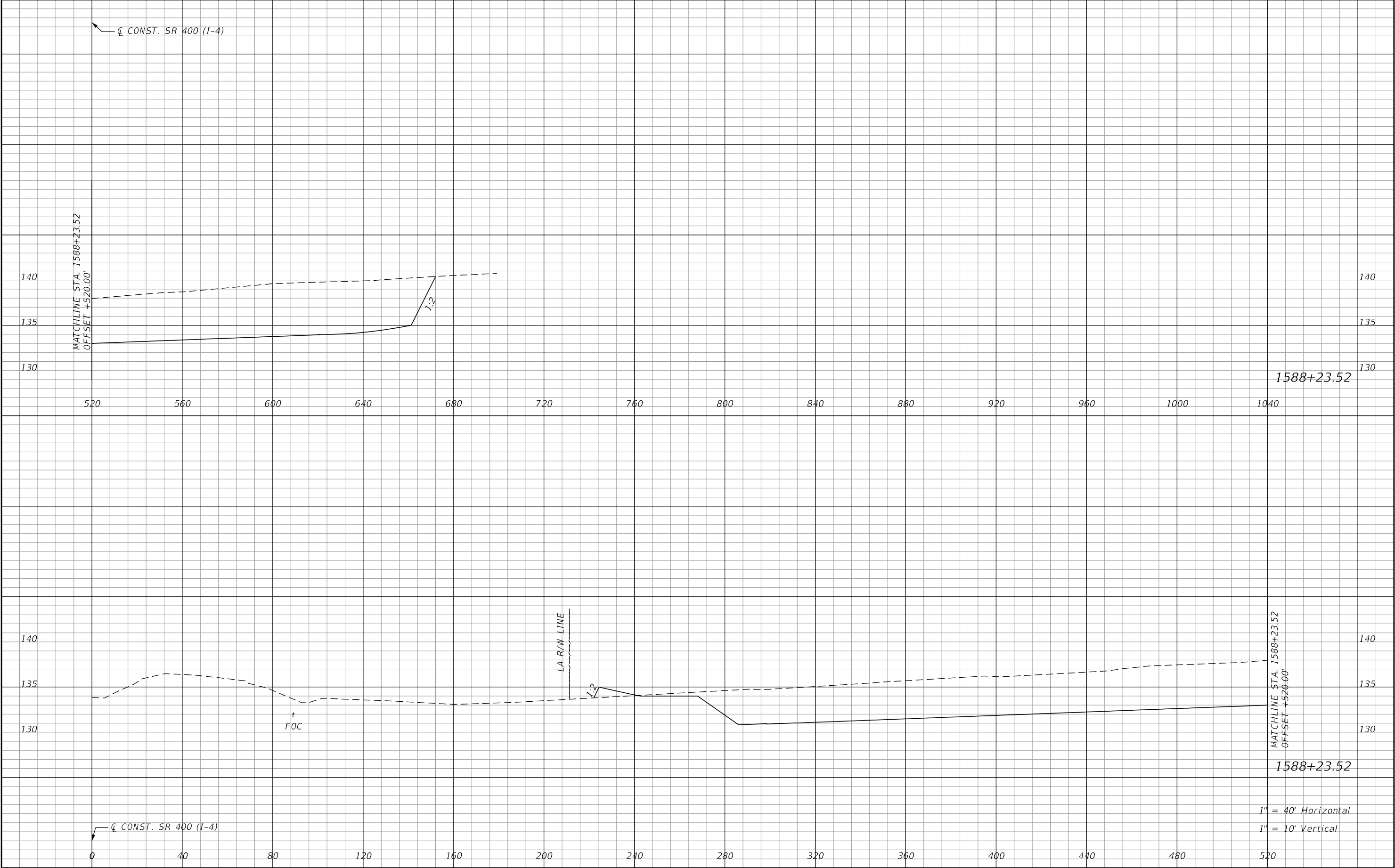
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE DETAIL SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		194

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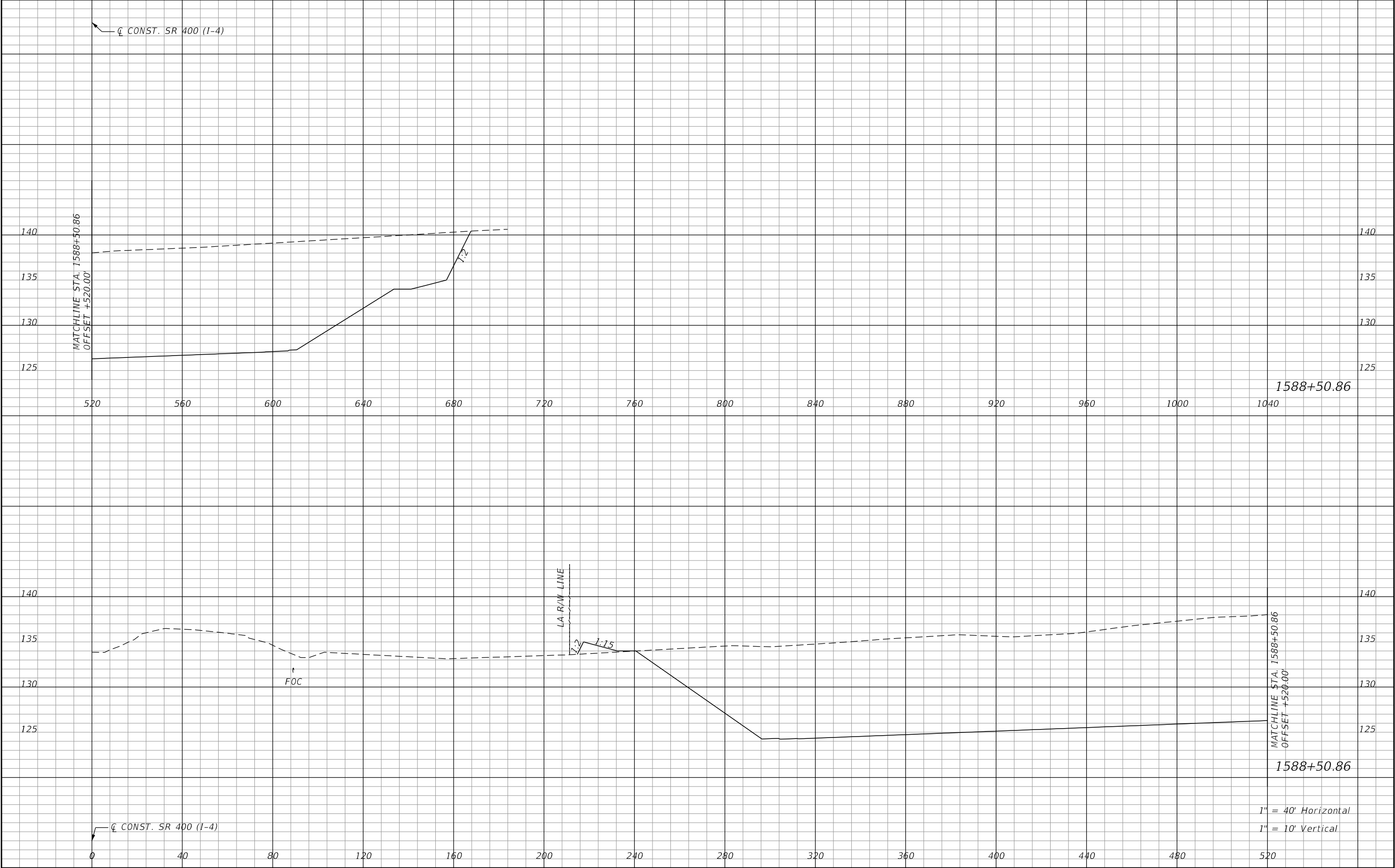
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		195
					SR 400	POLK	201215-3-52-01		

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



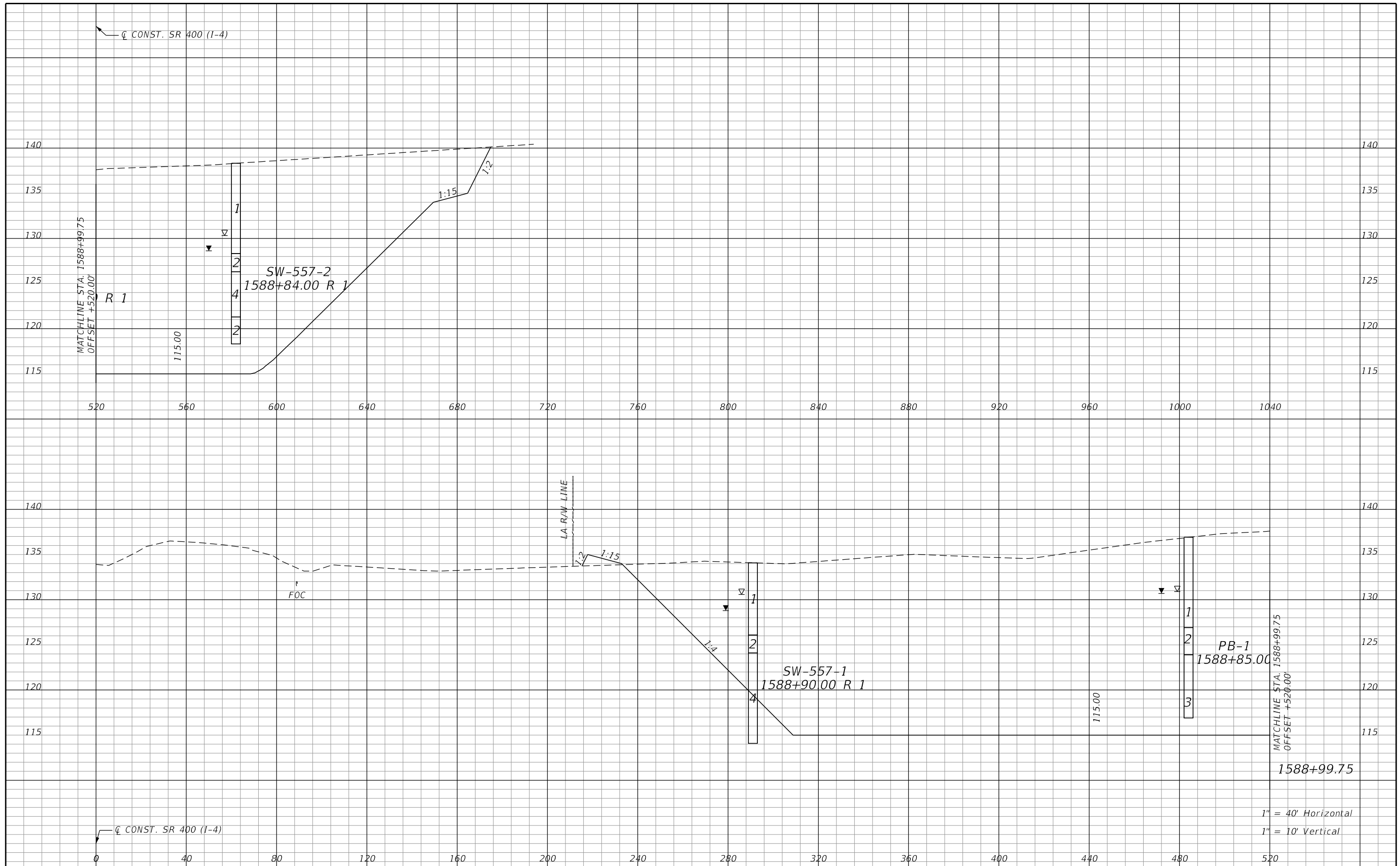
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO. 197
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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

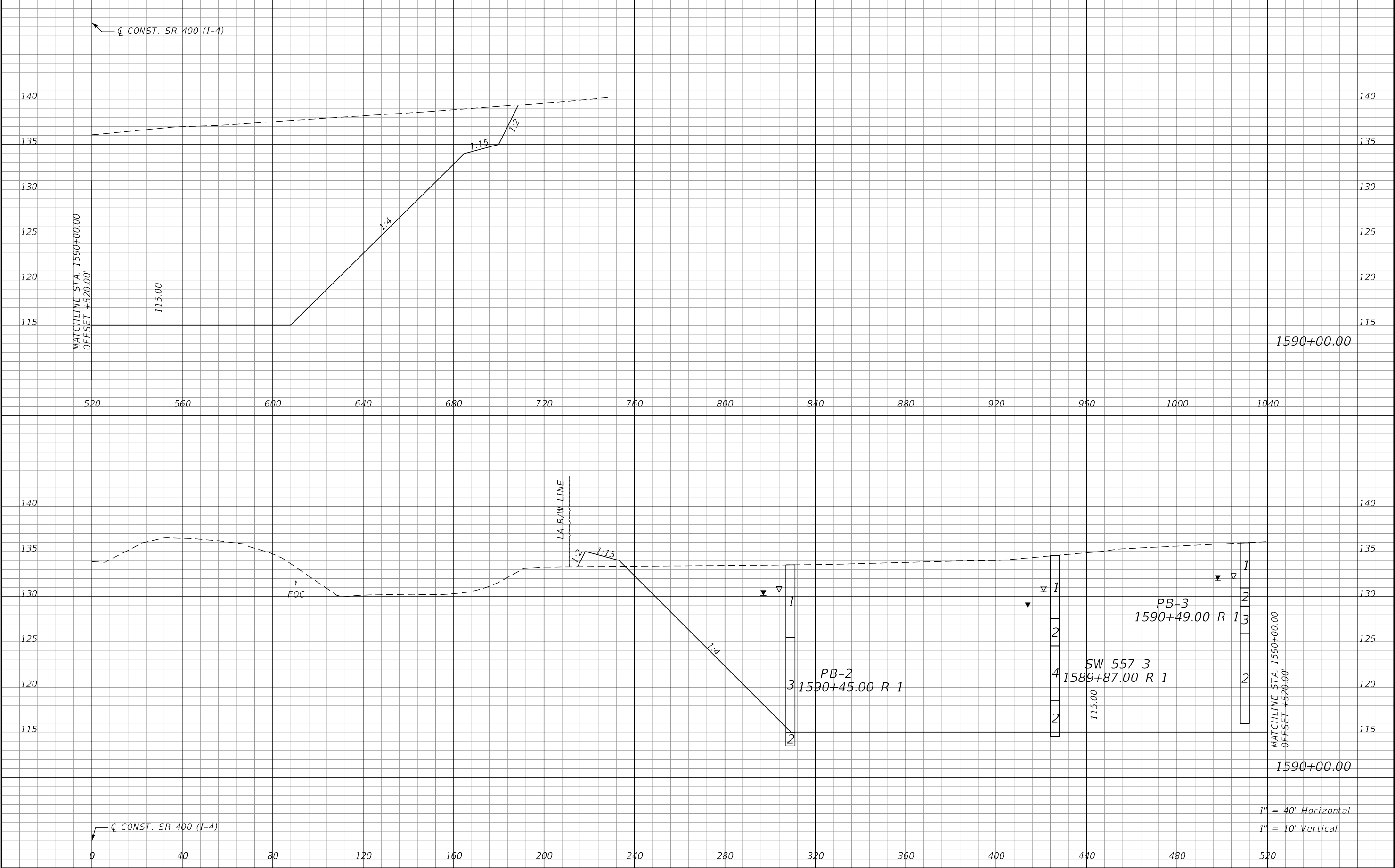


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO. 198
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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

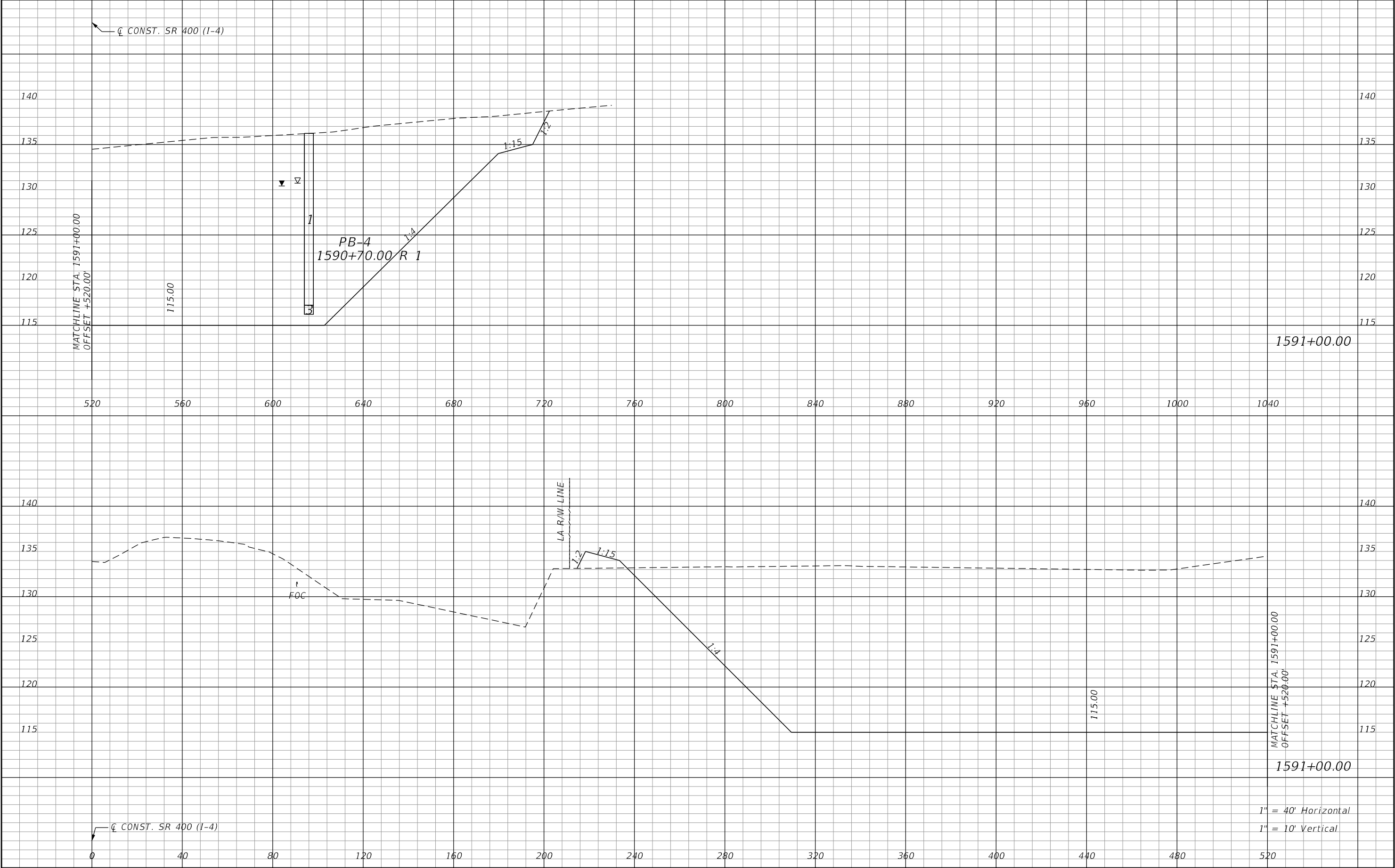


REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS	SHEET NO. 199
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



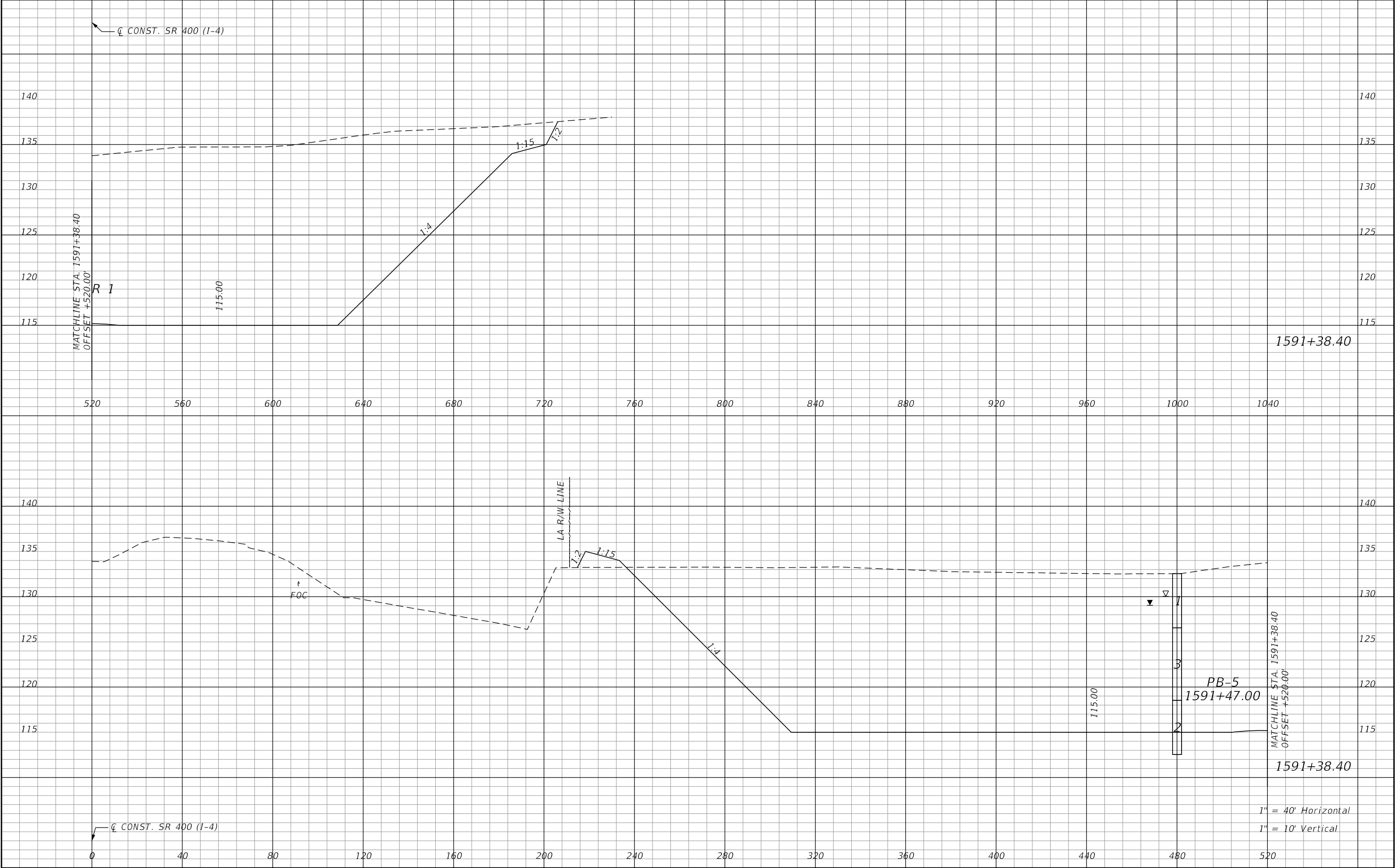
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		200
					SR 400	POLK	201215-3-52-01		

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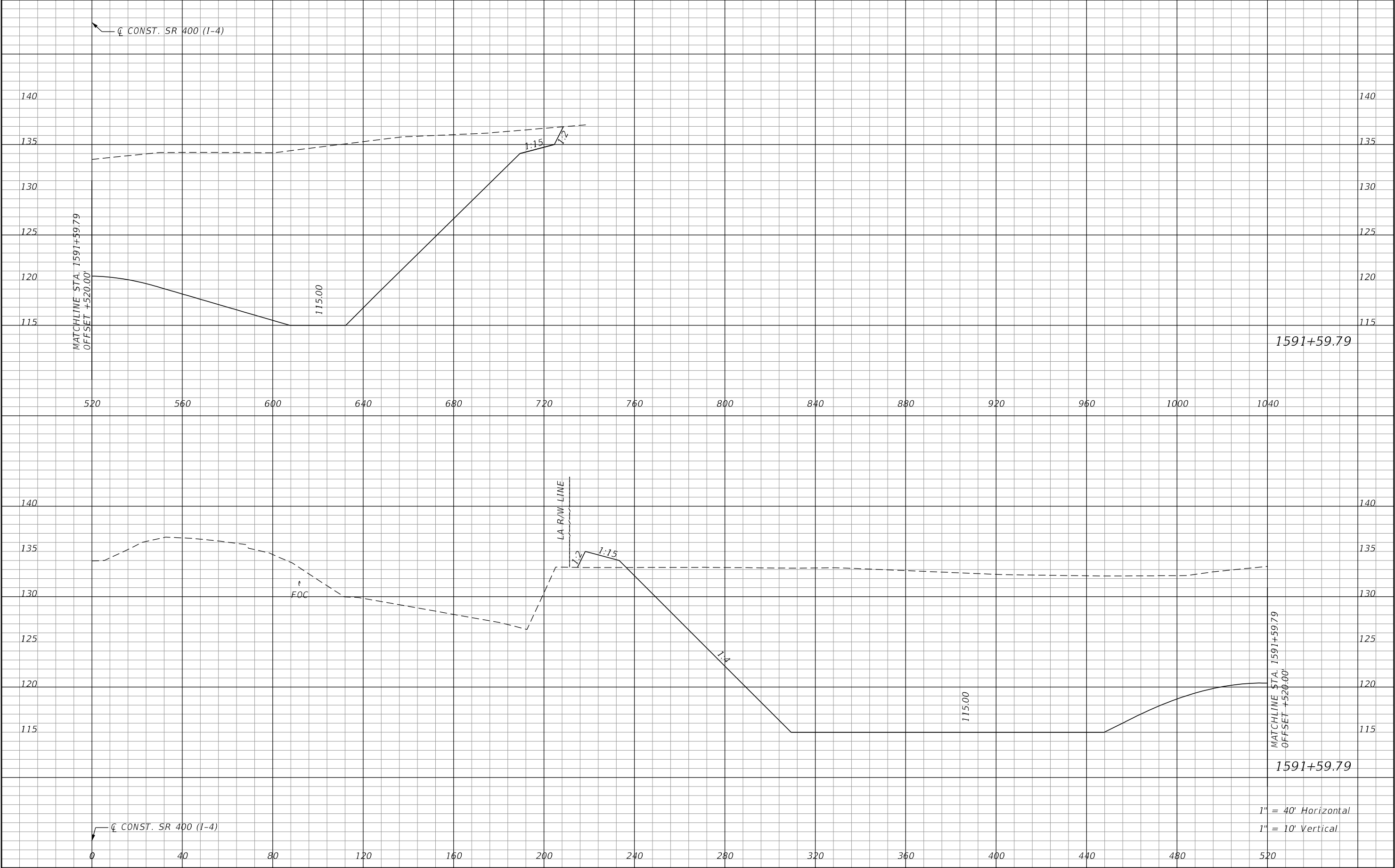
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			201

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



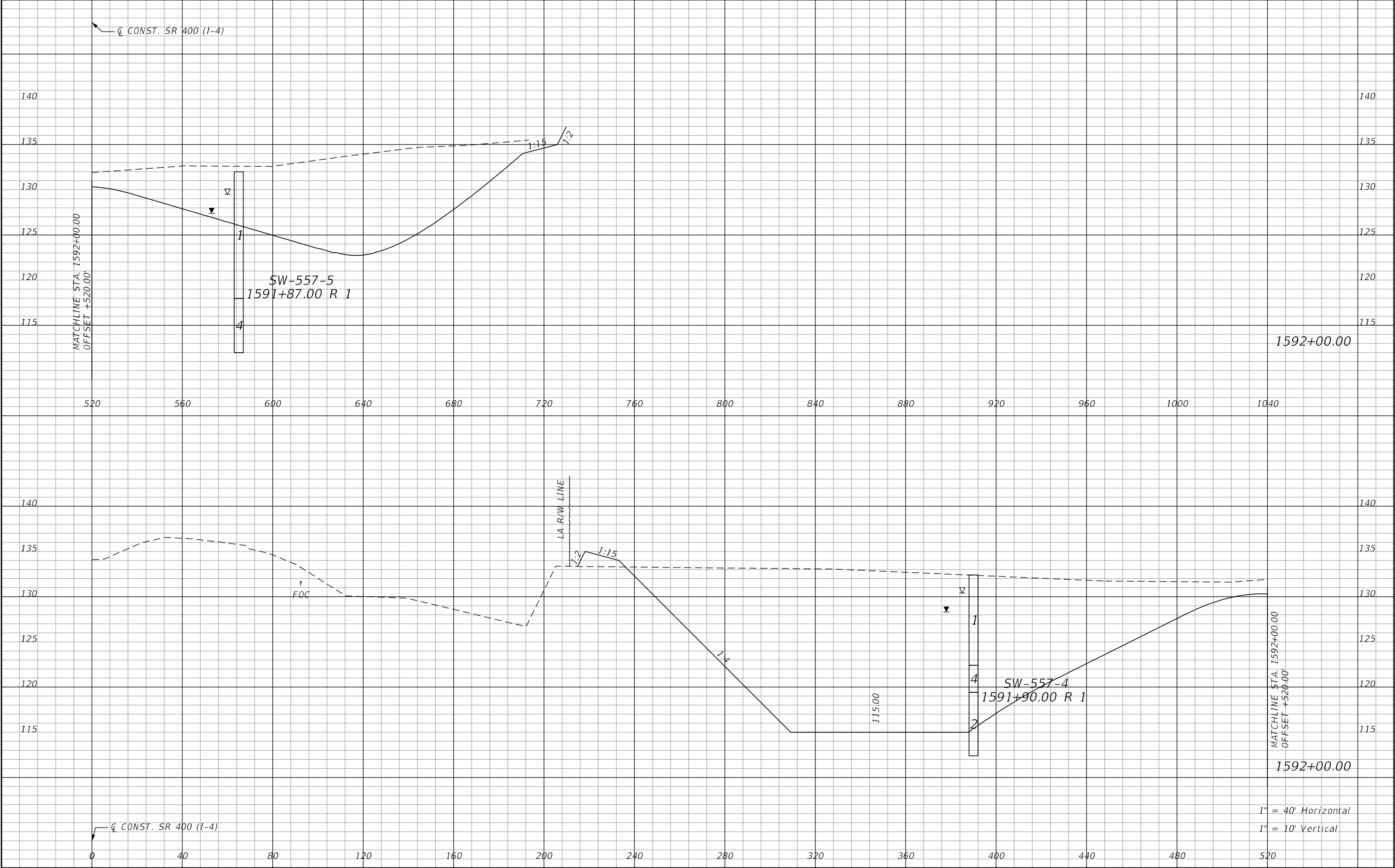
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			202

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



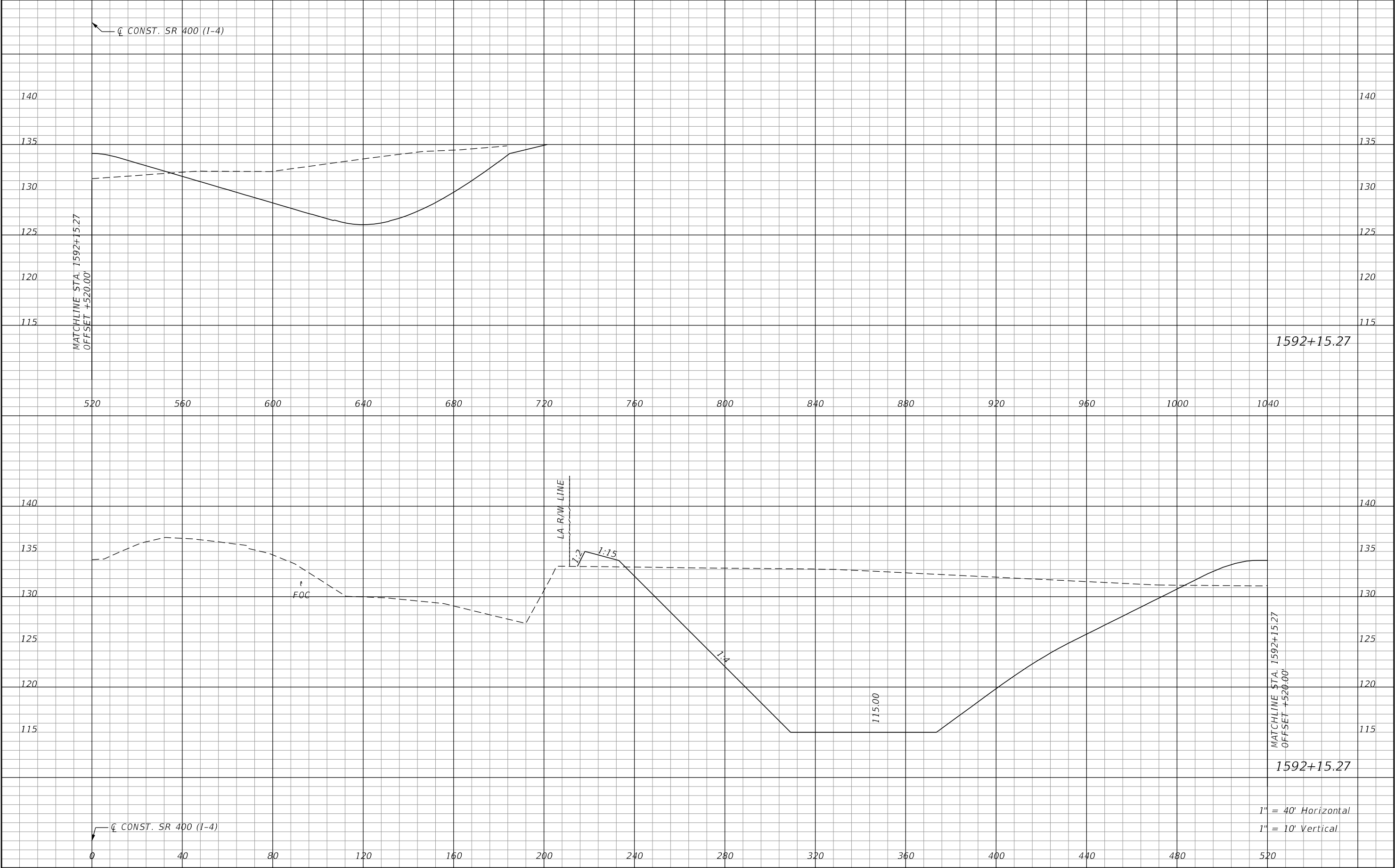
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO. 203
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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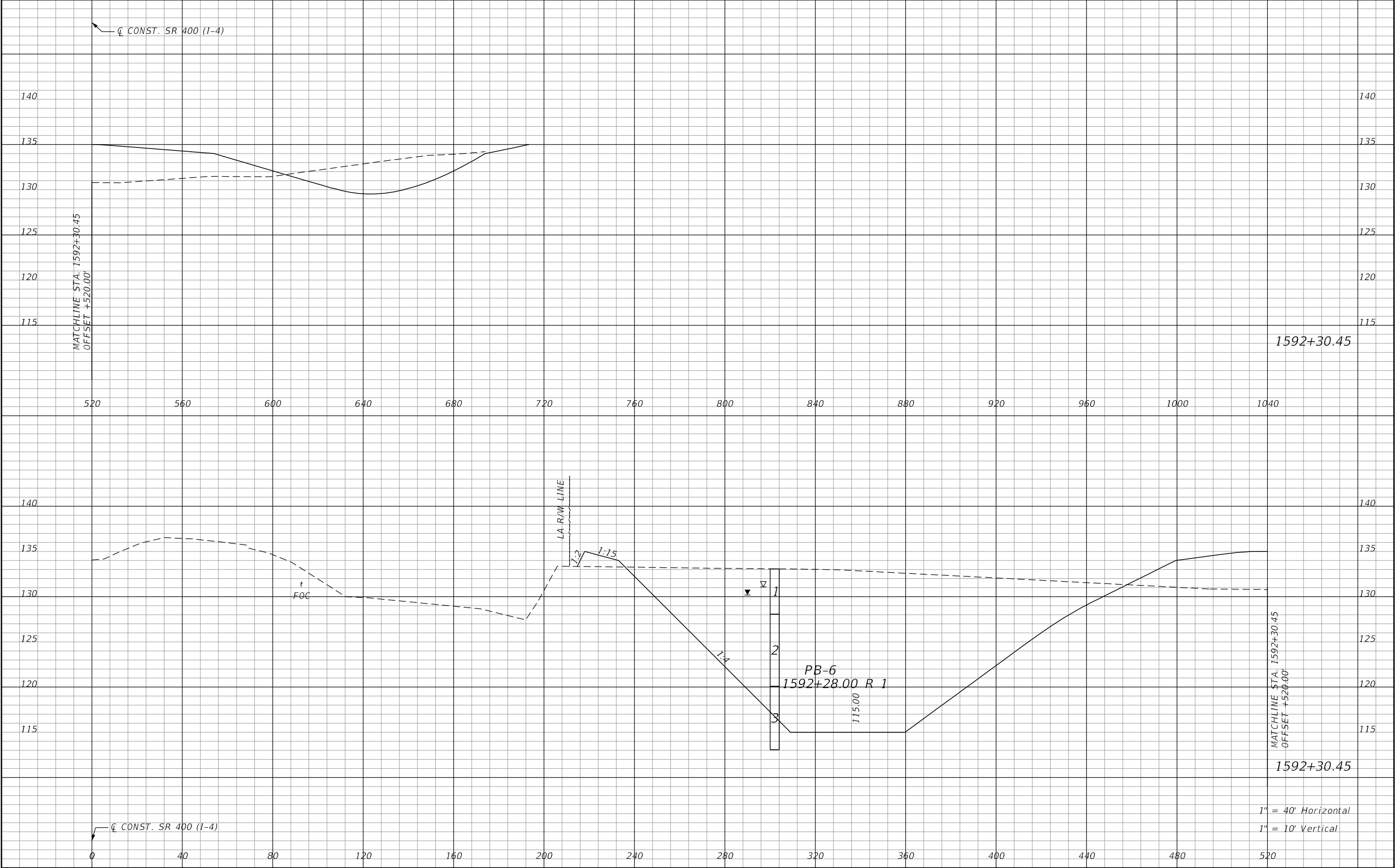
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO. 204
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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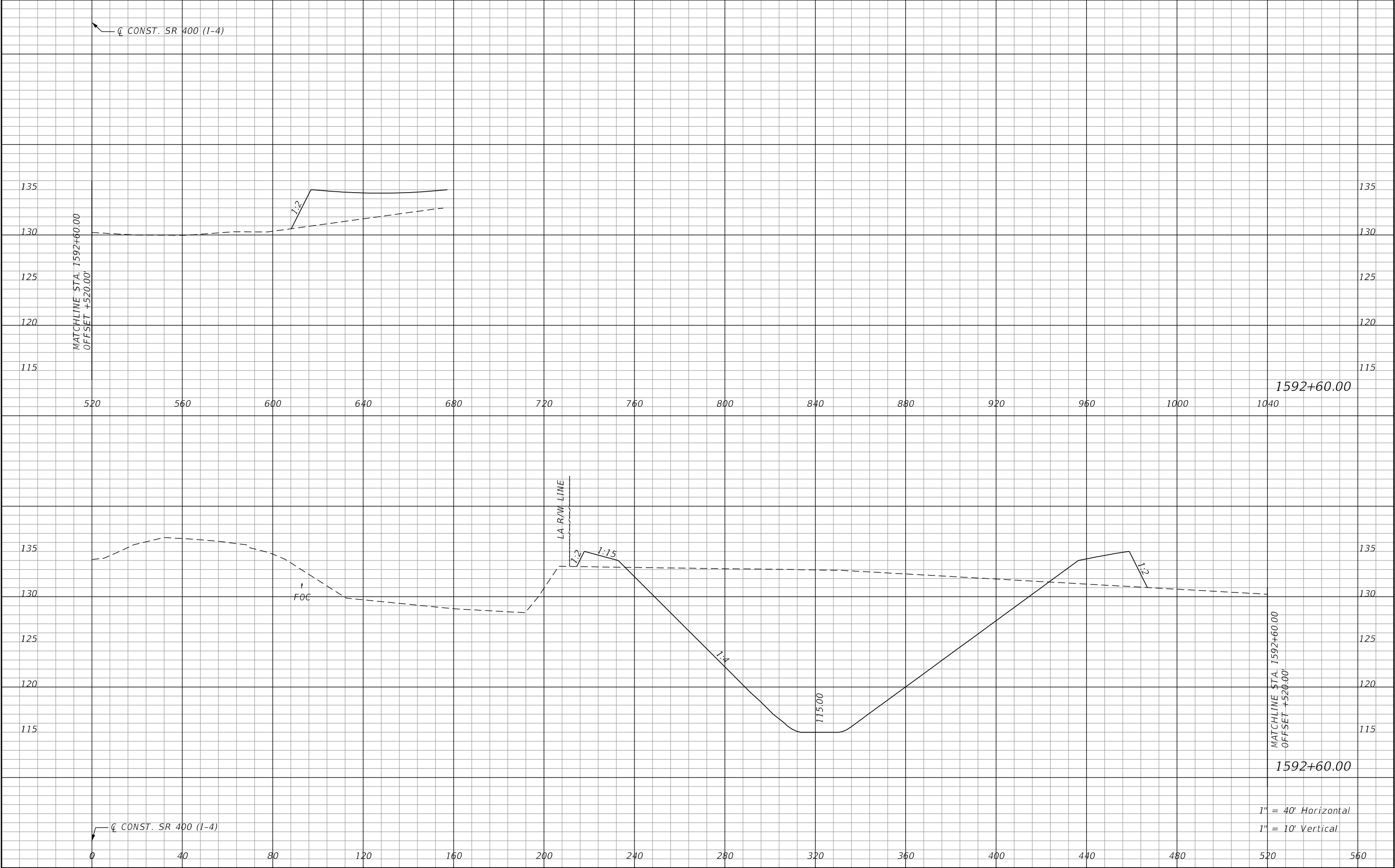
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			205

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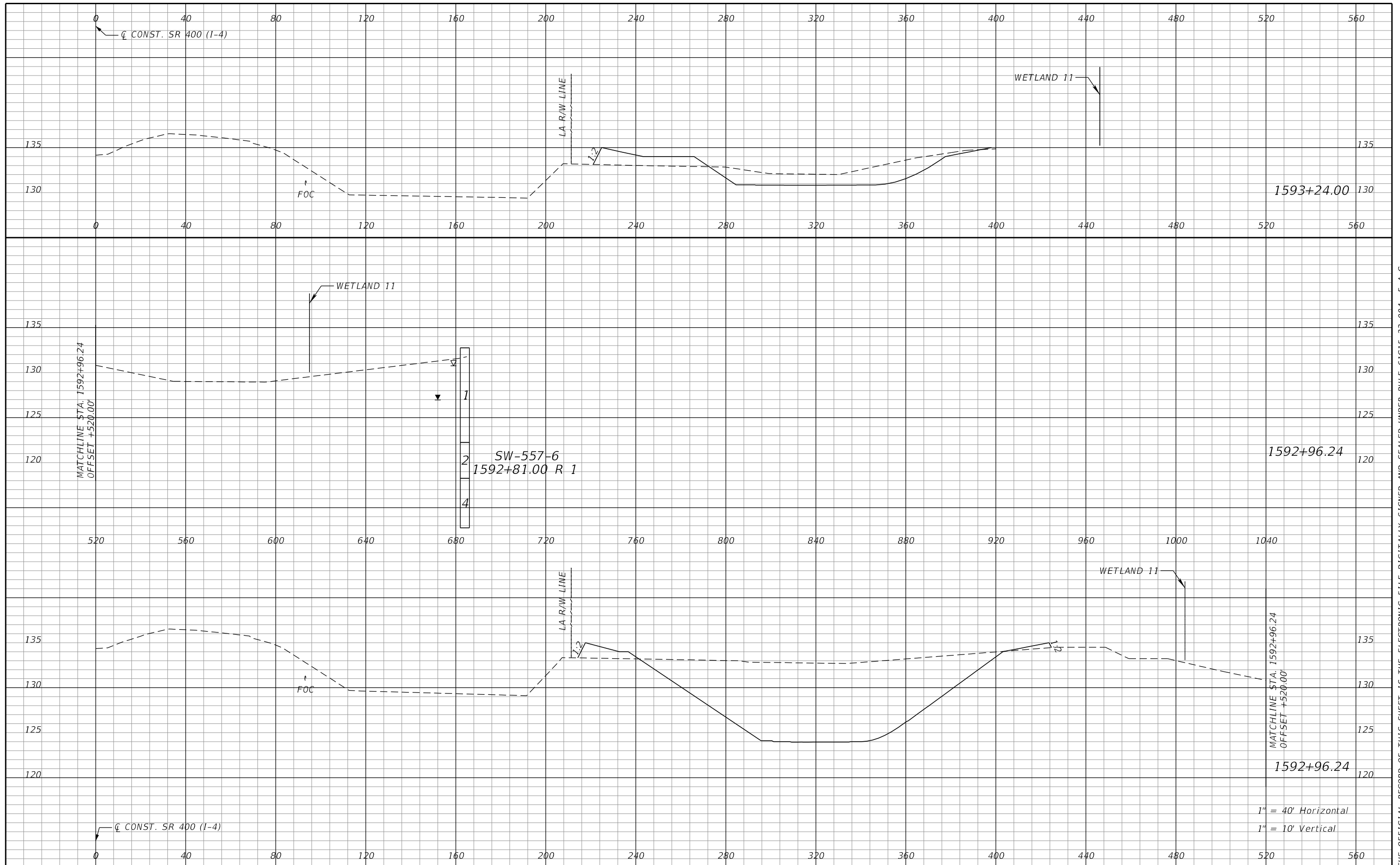
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO. 206
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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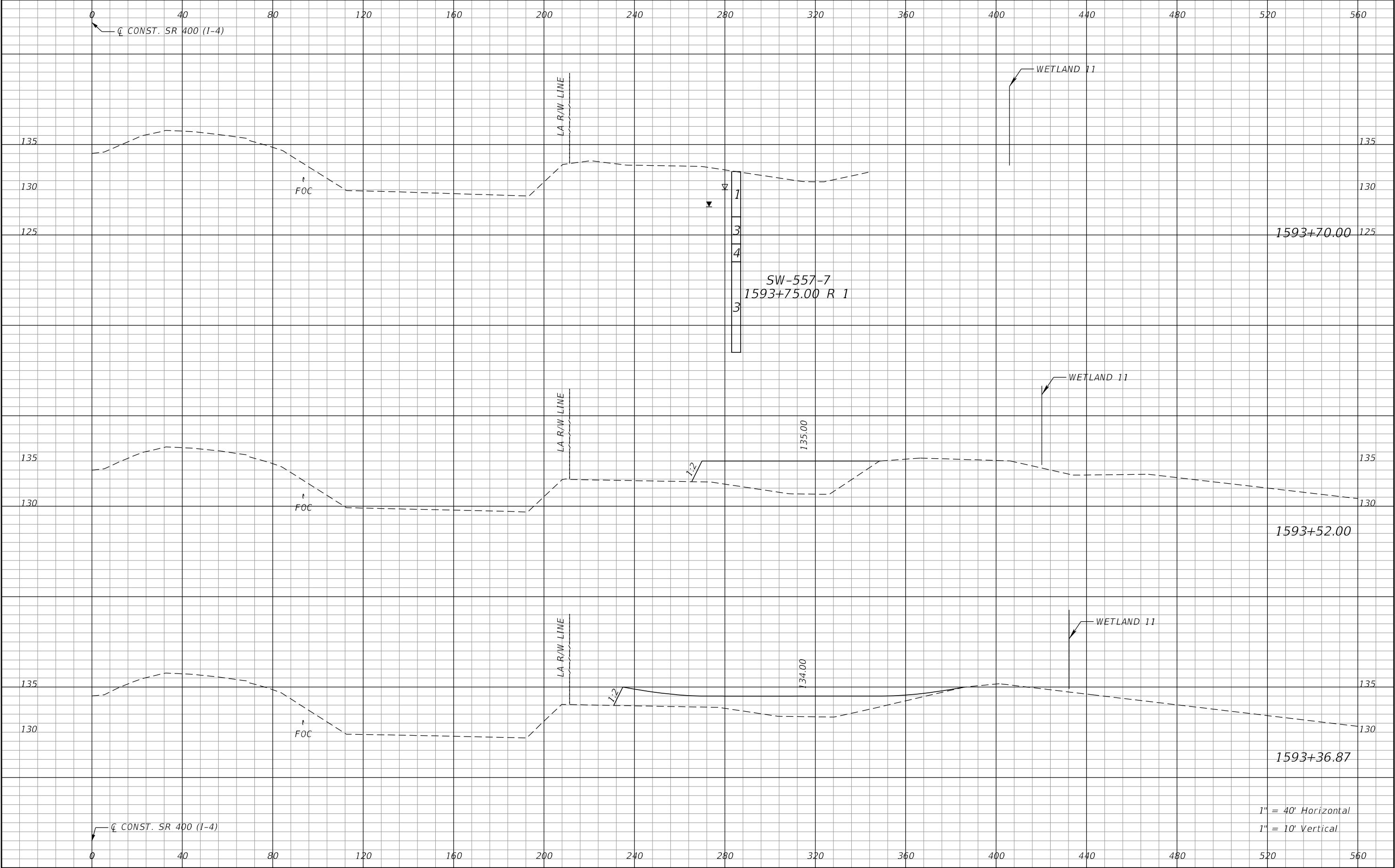
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			207
					SR 400	POLK	201215-3-52-01			

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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		208
					SR 400	POLK	201215-3-52-01		

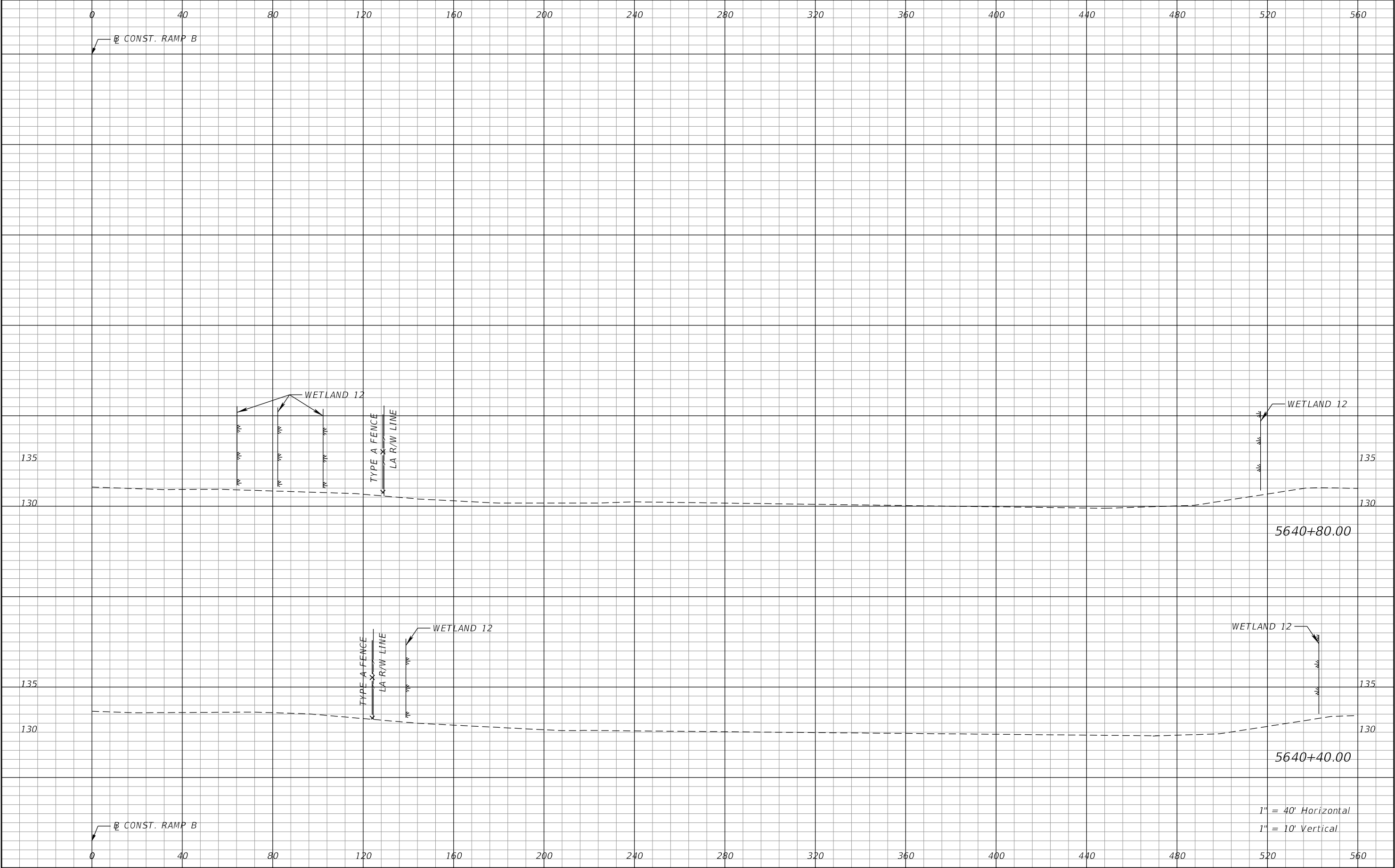
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 1 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		209
					SR 400	POLK	201215-3-52-01		

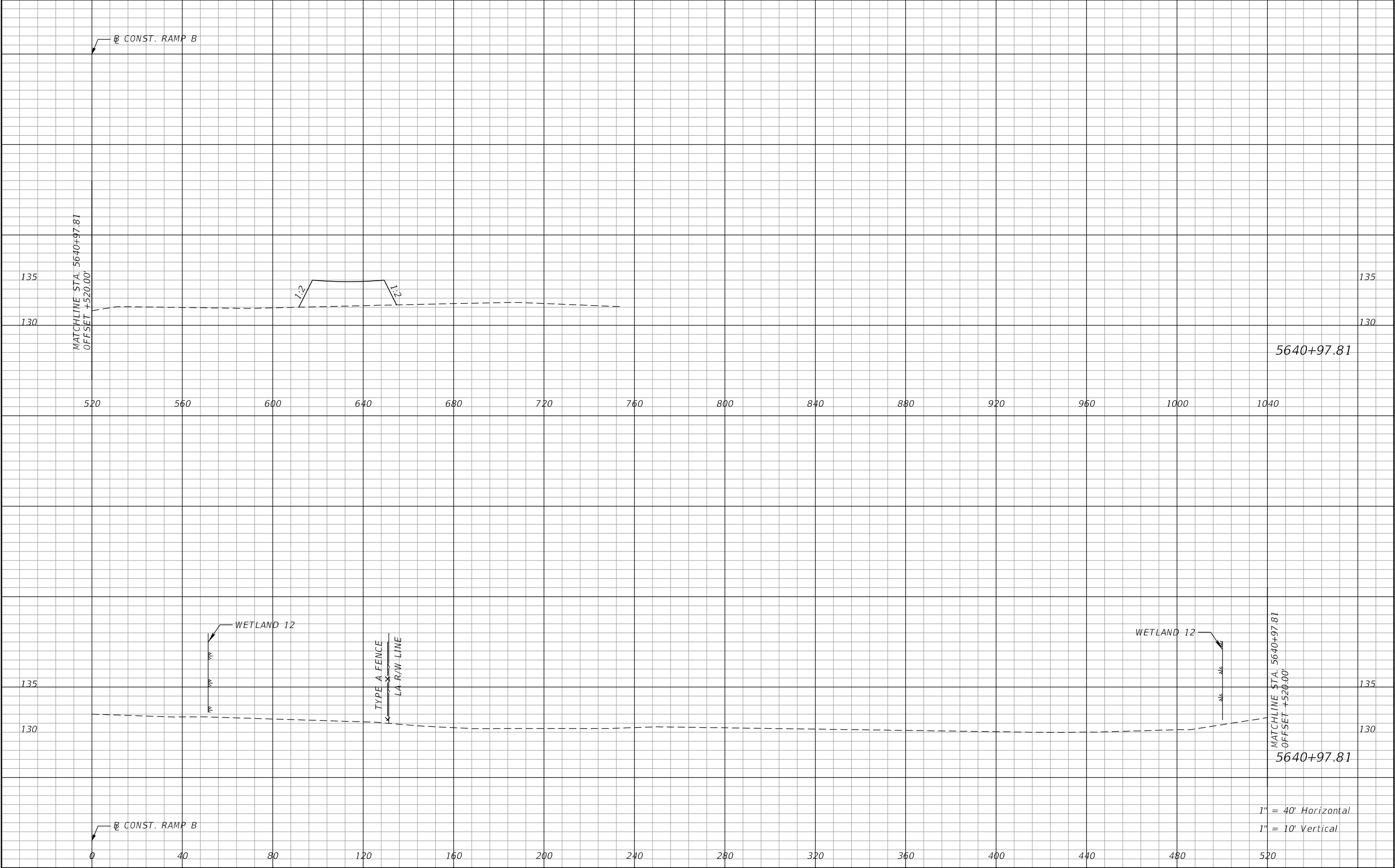
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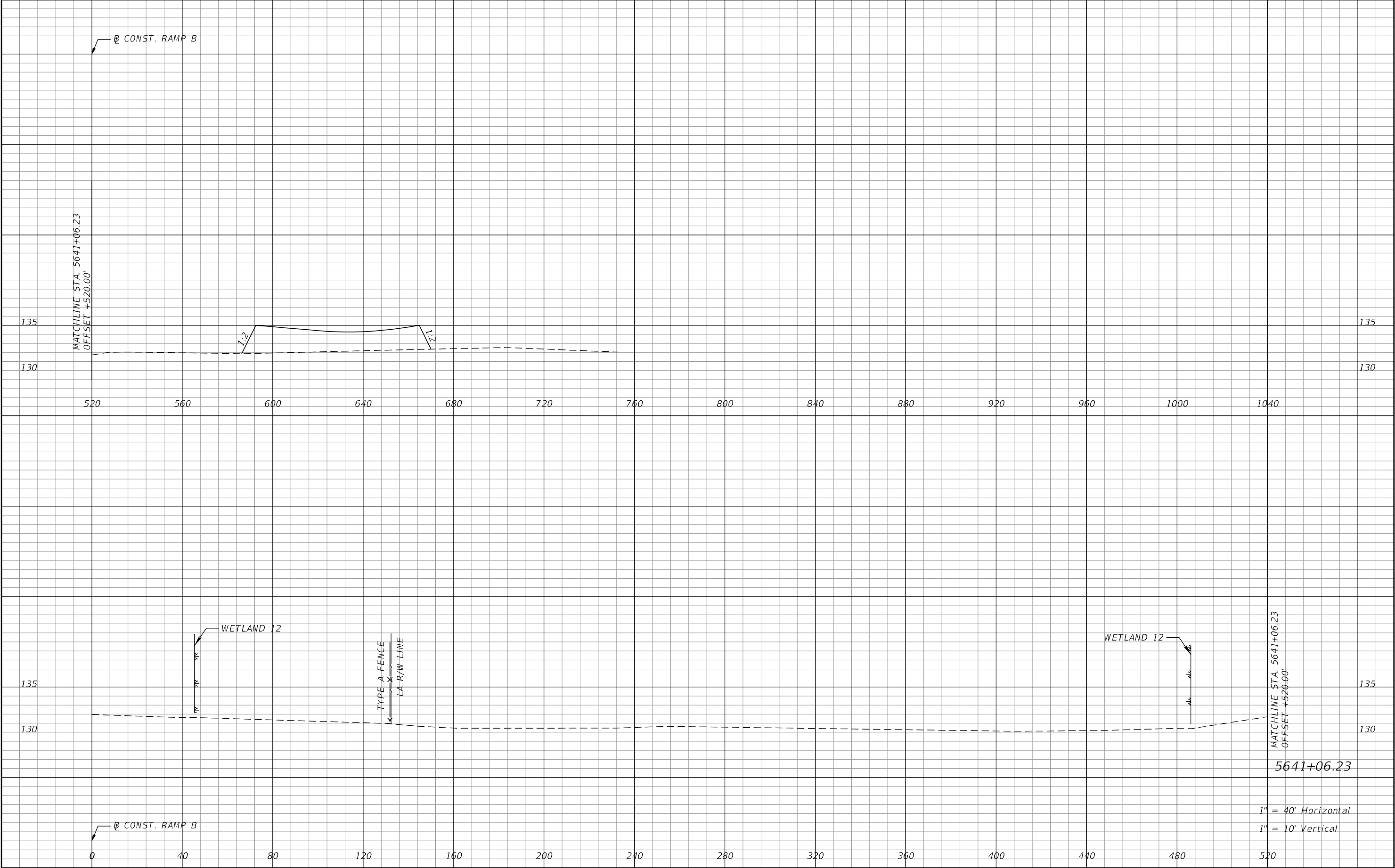
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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



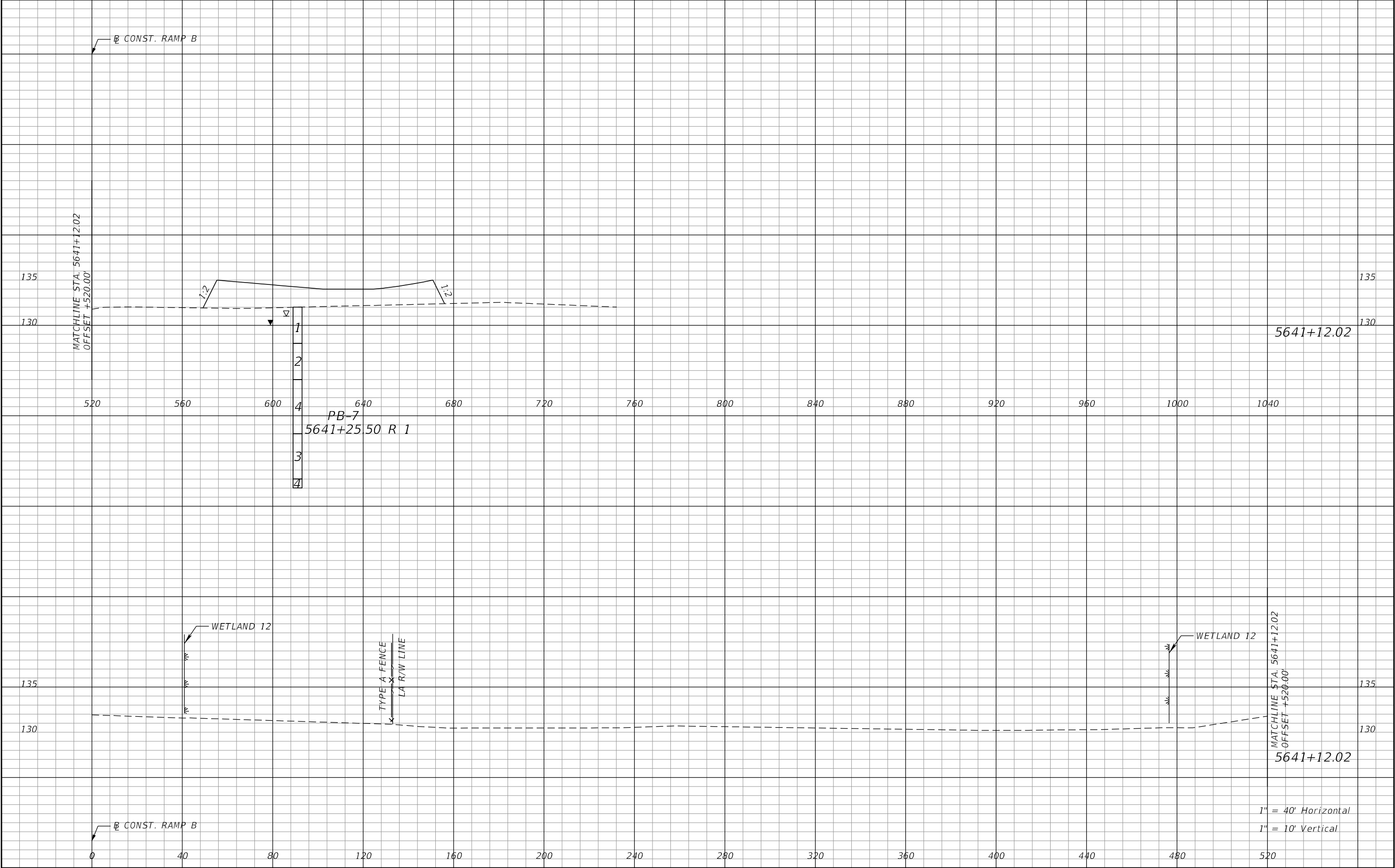
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	211	

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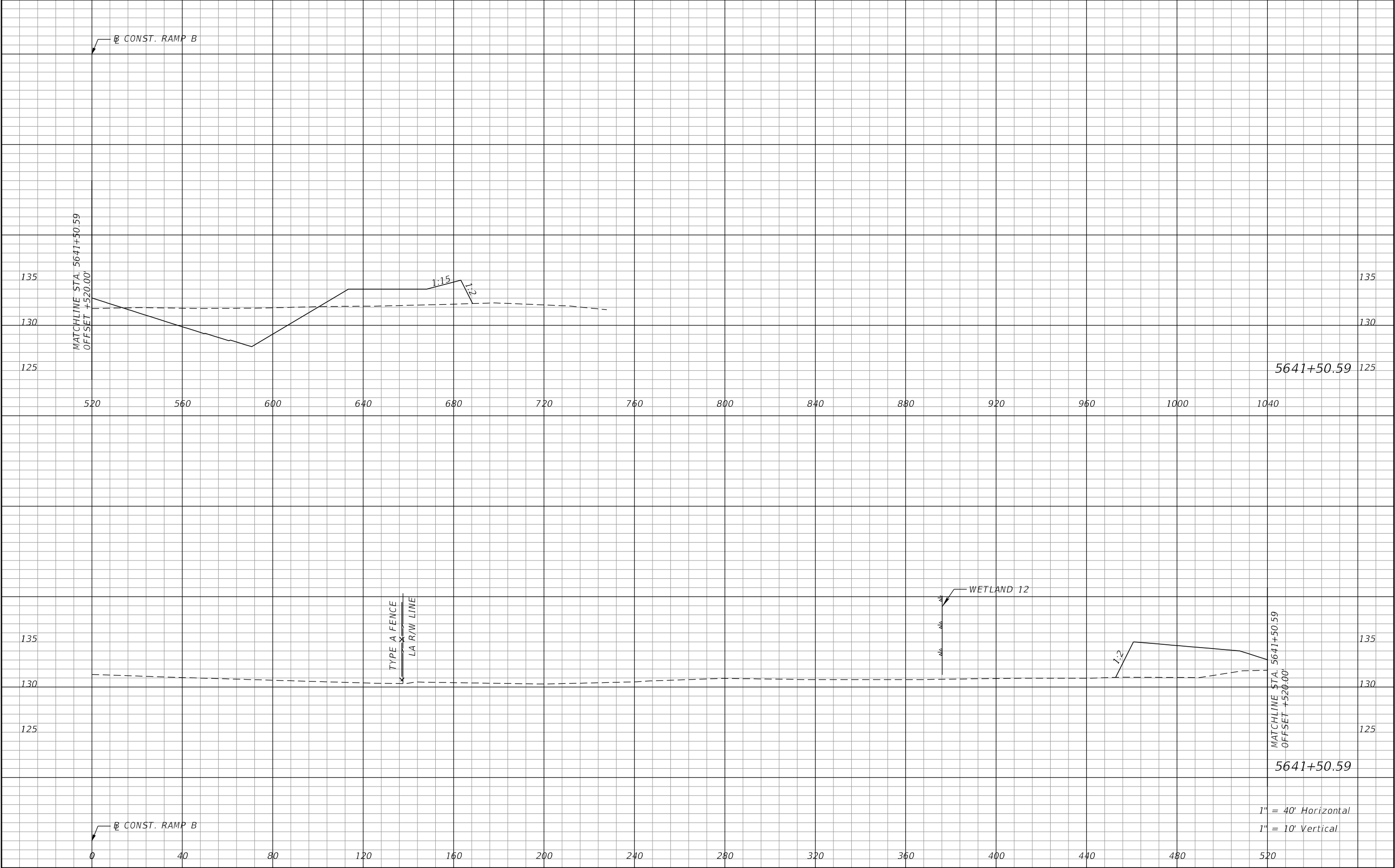
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		212
					SR 400	POLK	201215-3-52-01		

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



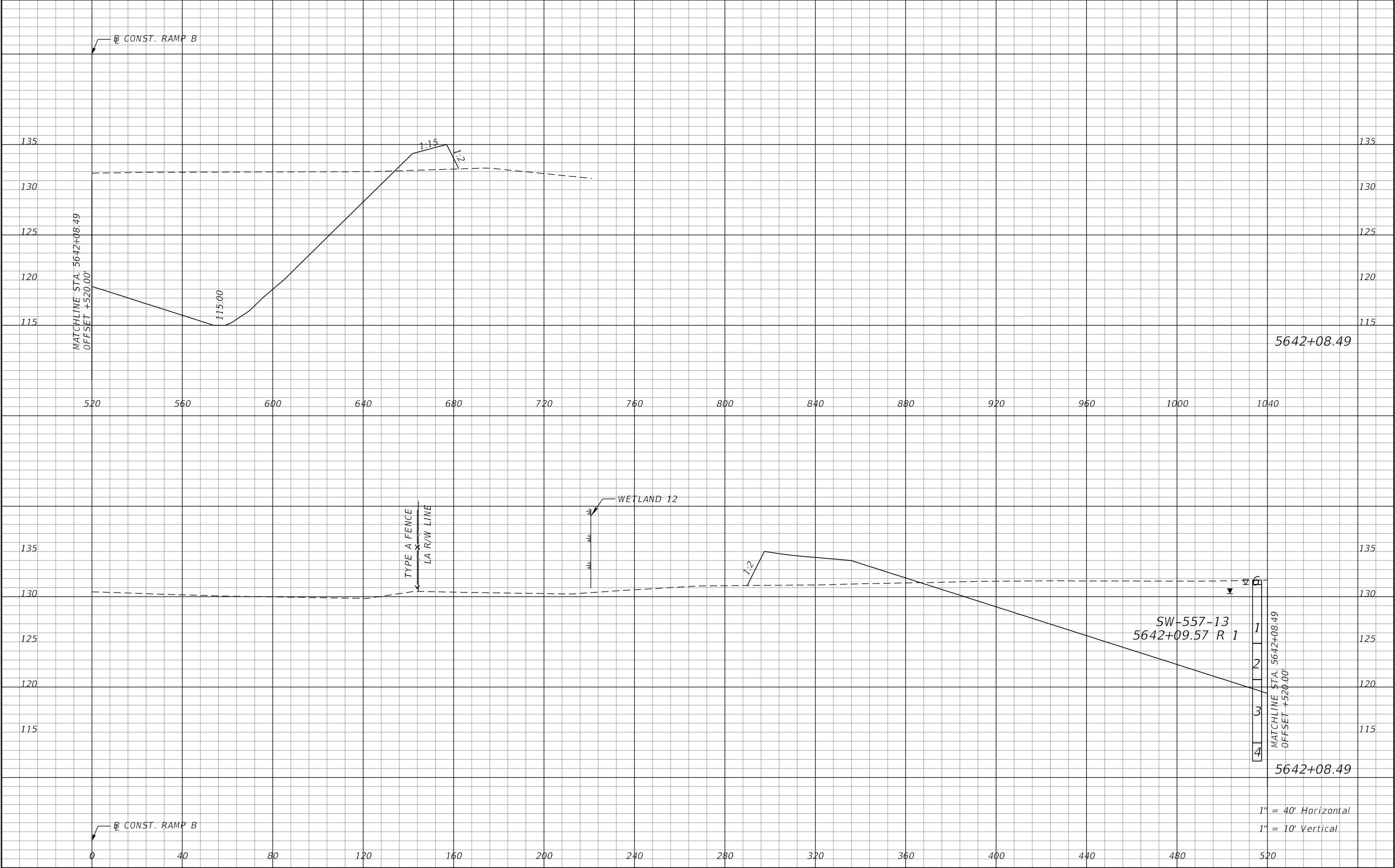
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		213
					SR 400	POLK	201215-3-52-01		

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



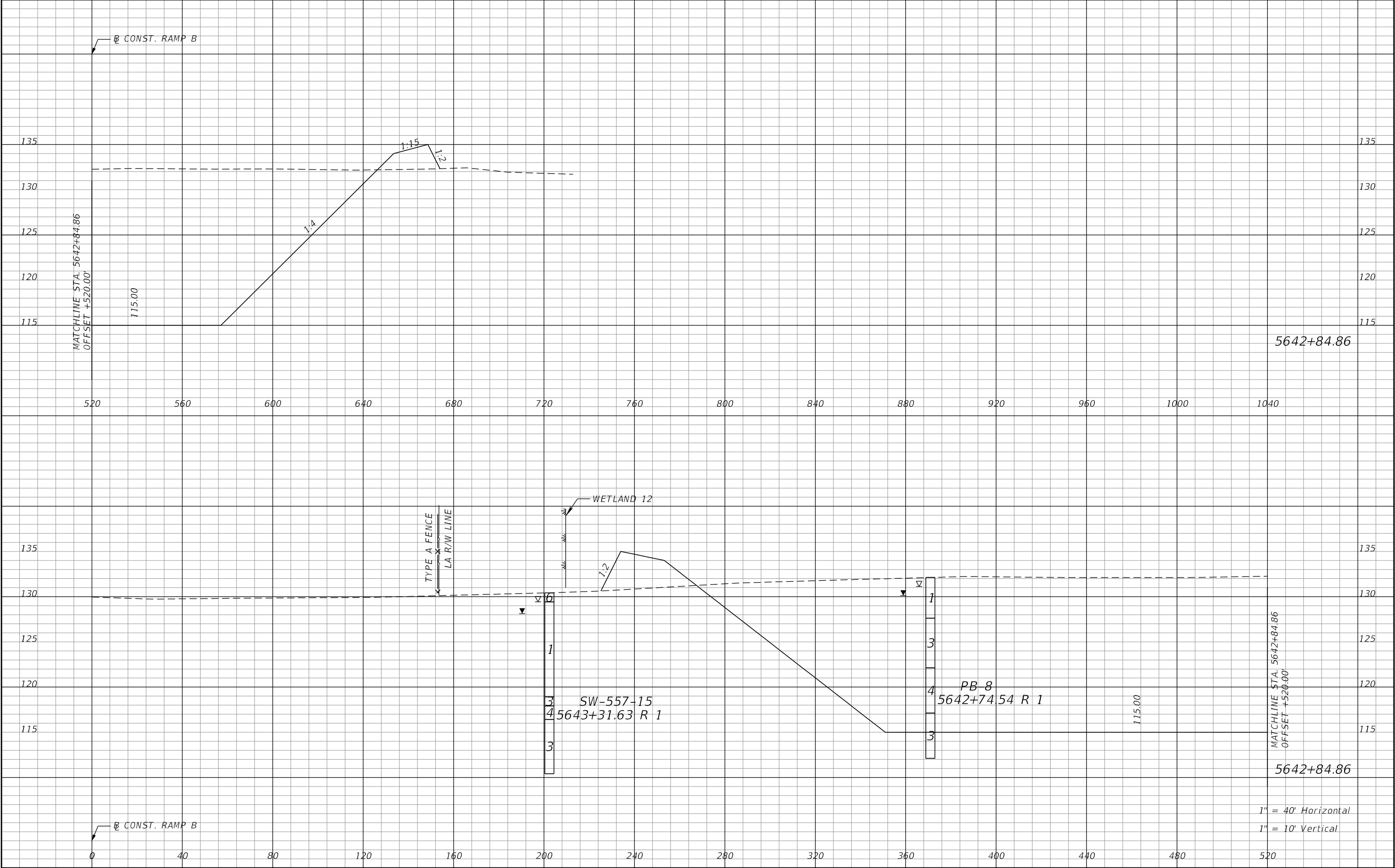
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 214
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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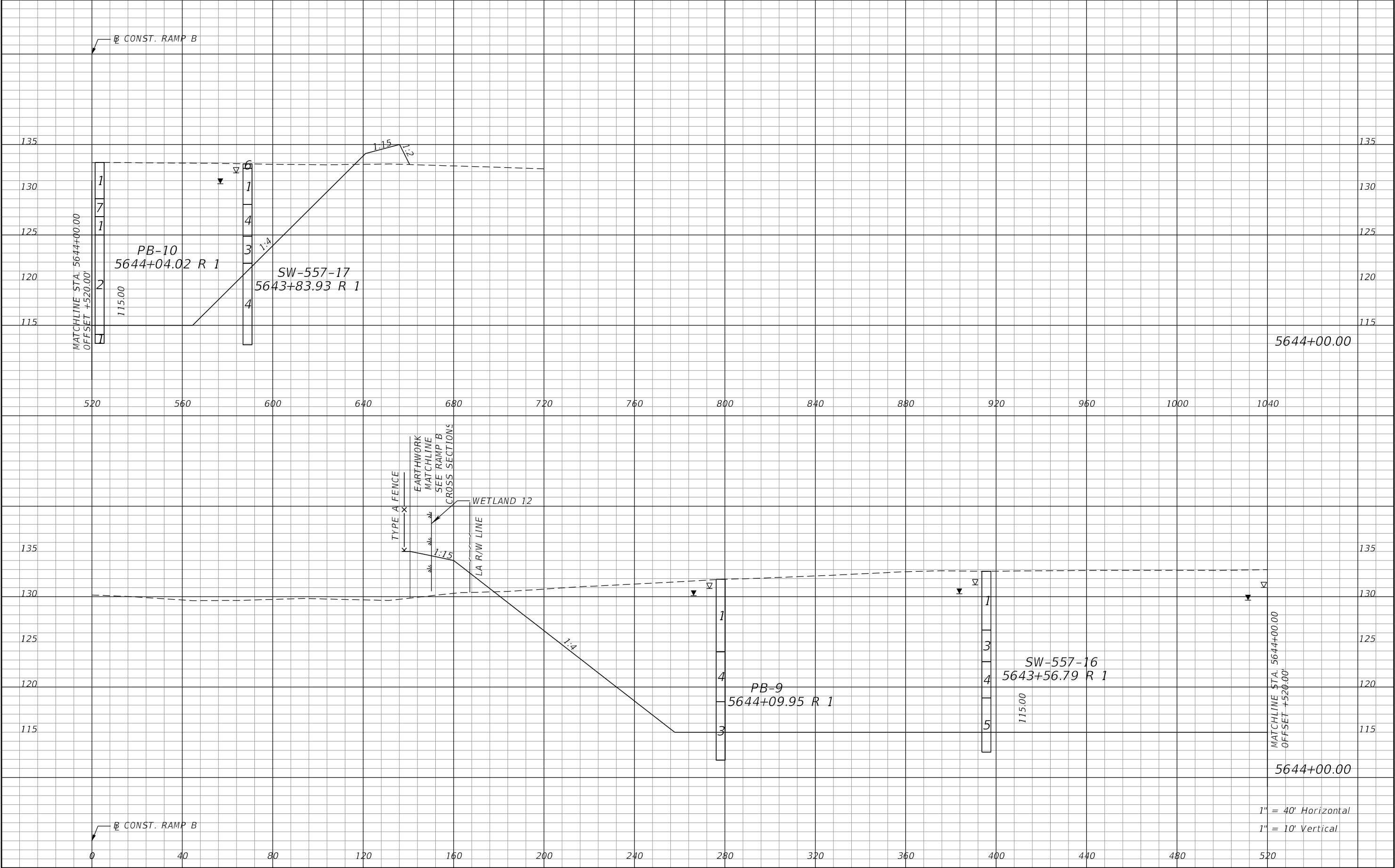
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	215	

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



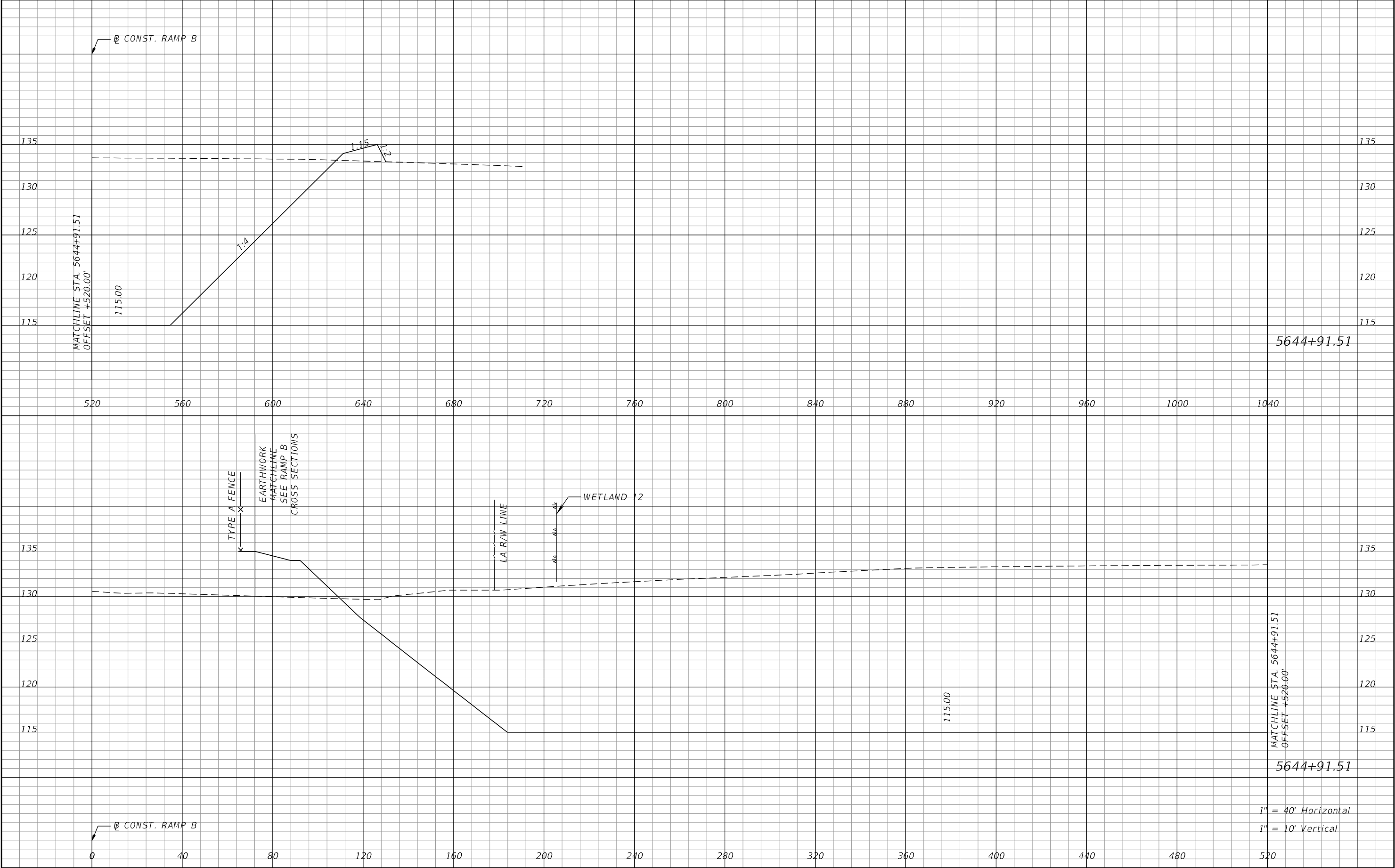
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 216
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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



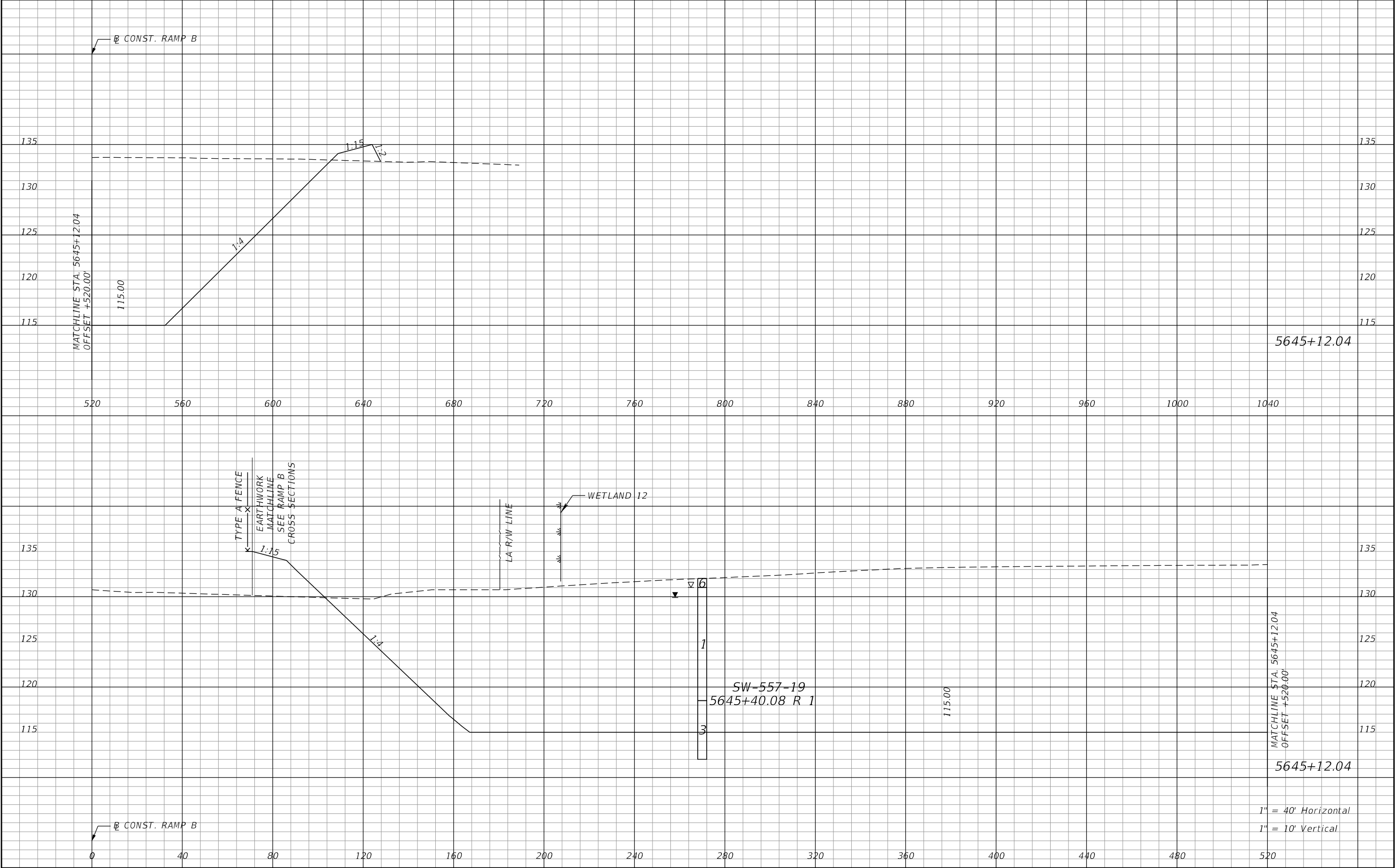
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		217
					SR 400	POLK	201215-3-52-01		

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



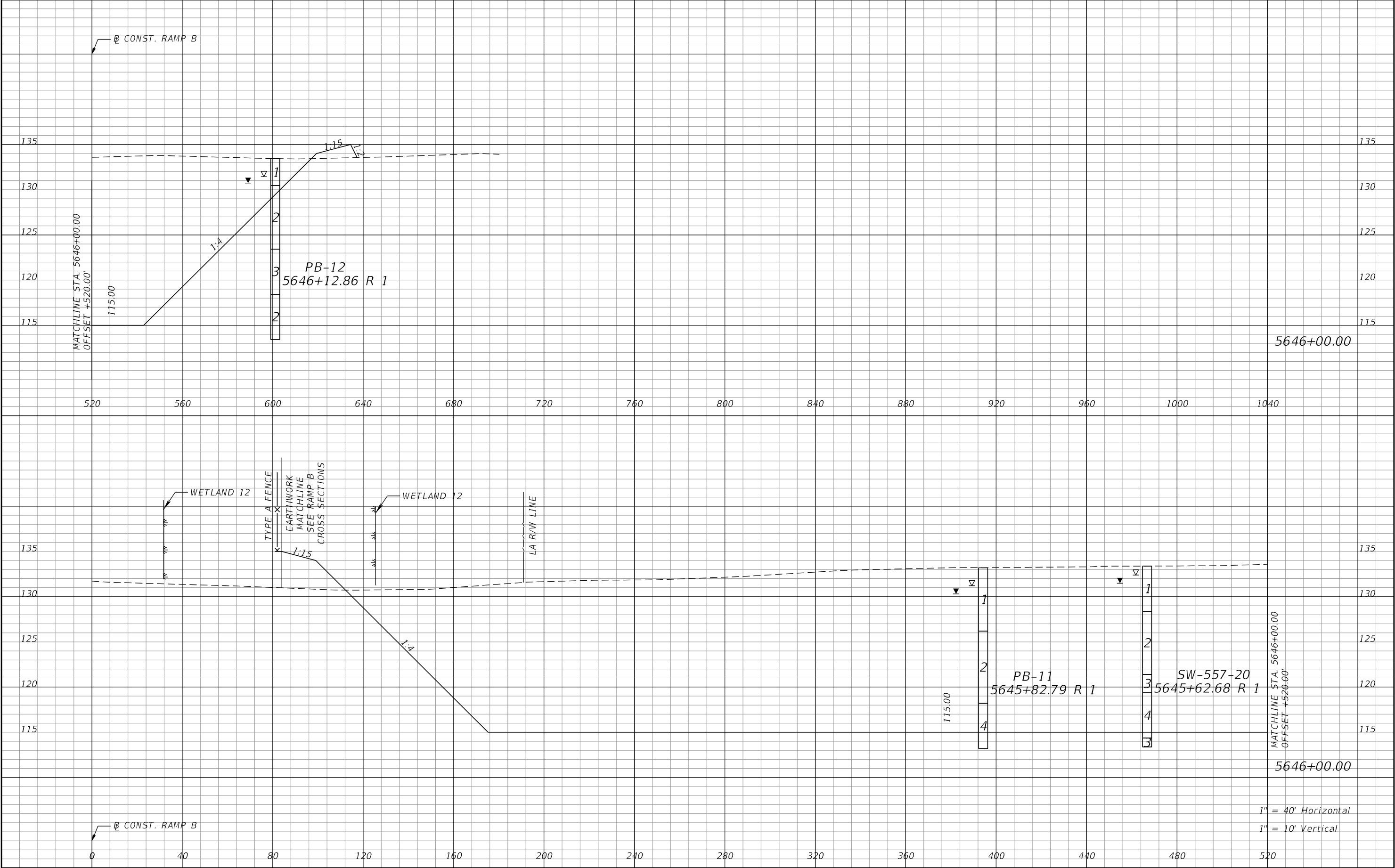
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			218
					SR 400	POLK	201215-3-52-01			

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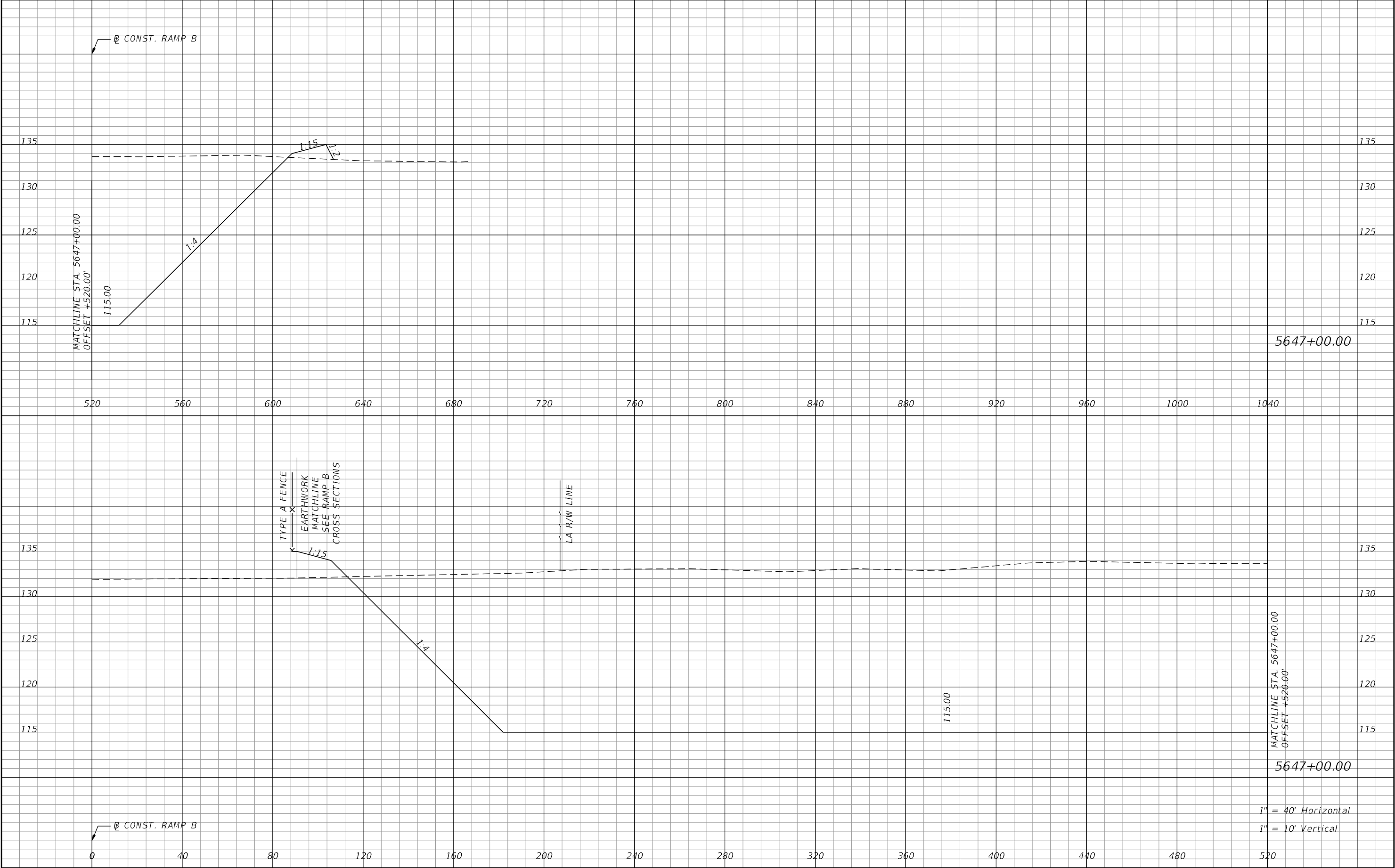
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		219
					SR 400	POLK	201215-3-52-01		

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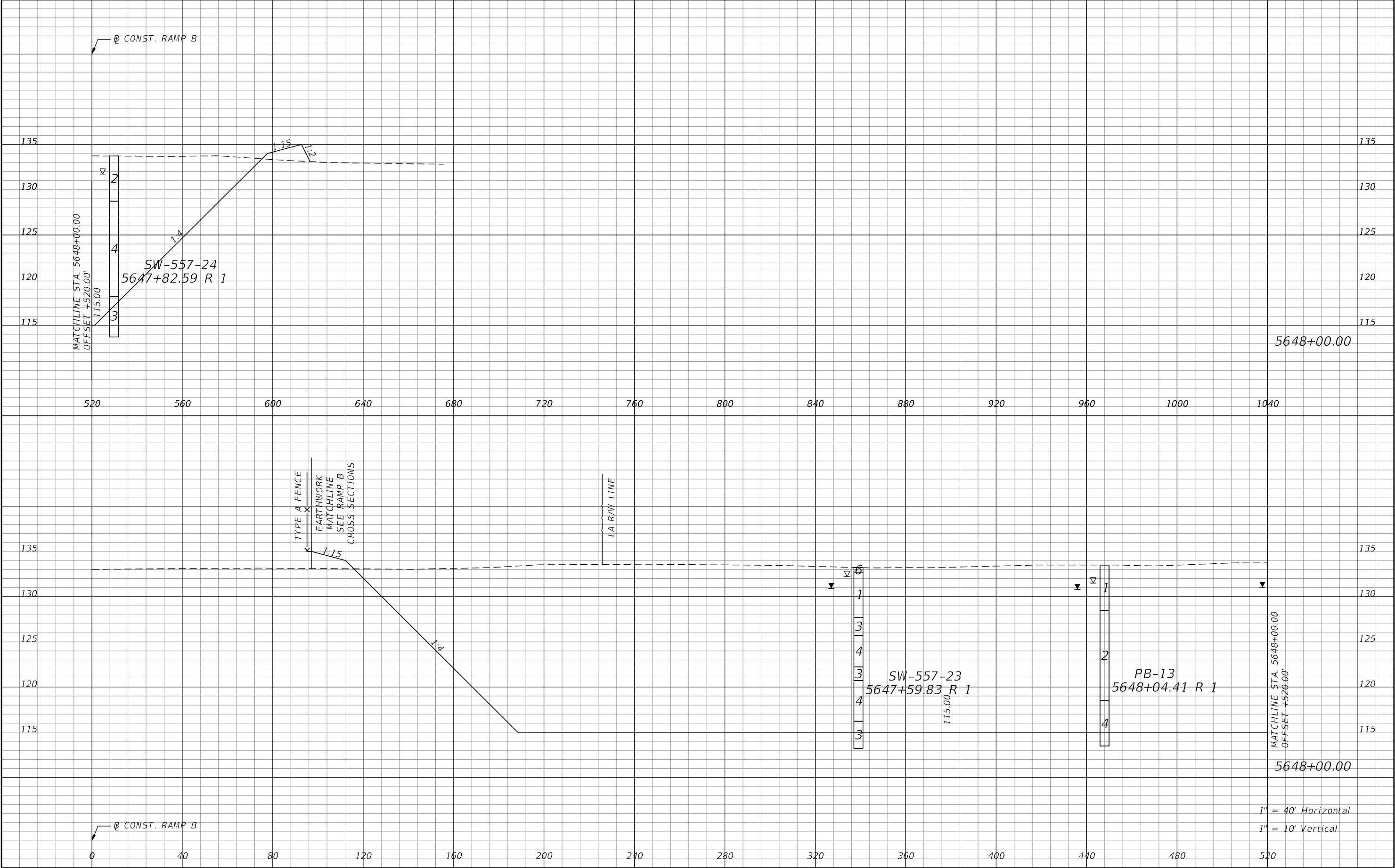
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 220
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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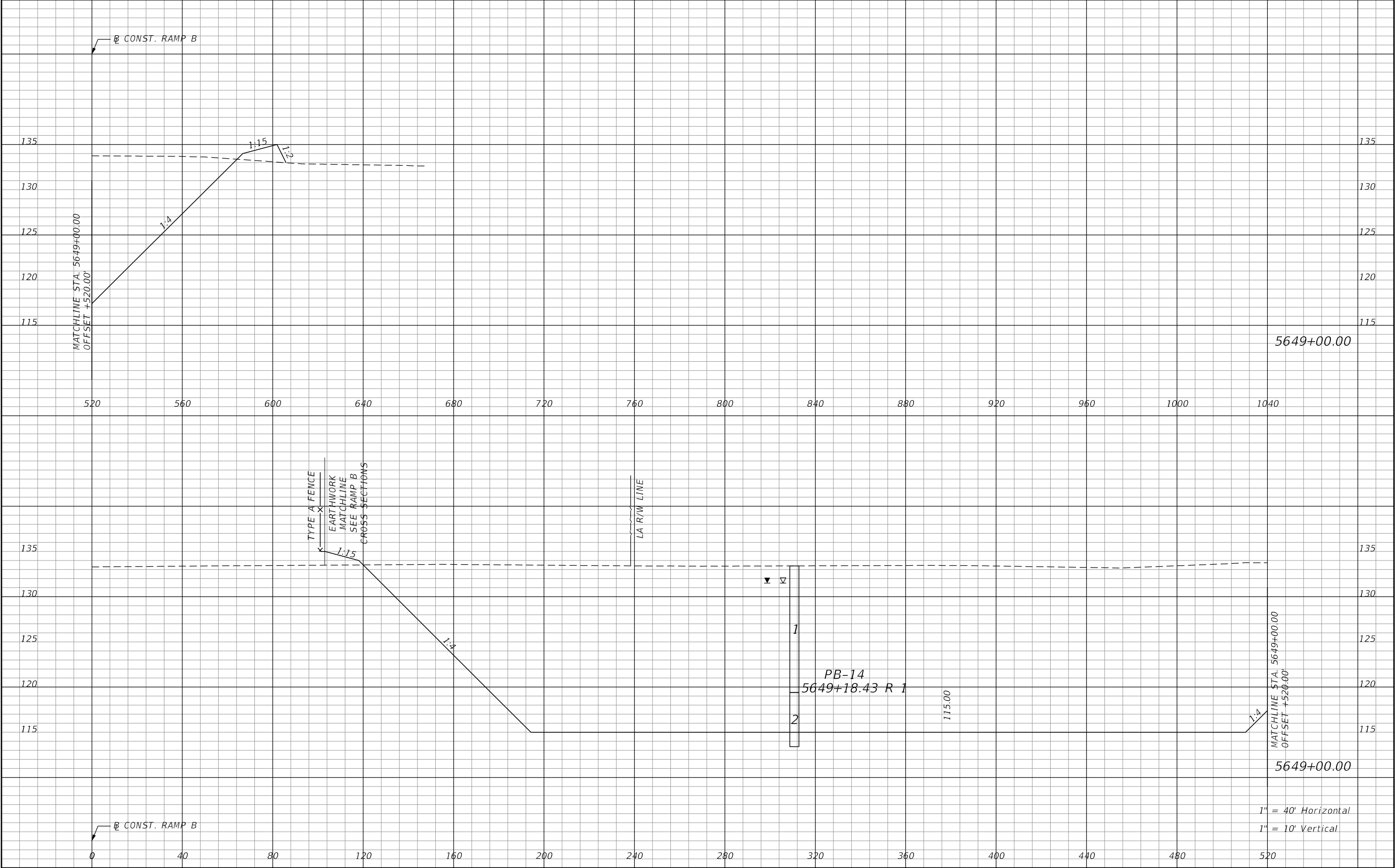
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		221
					SR 400	POLK	201215-3-52-01		

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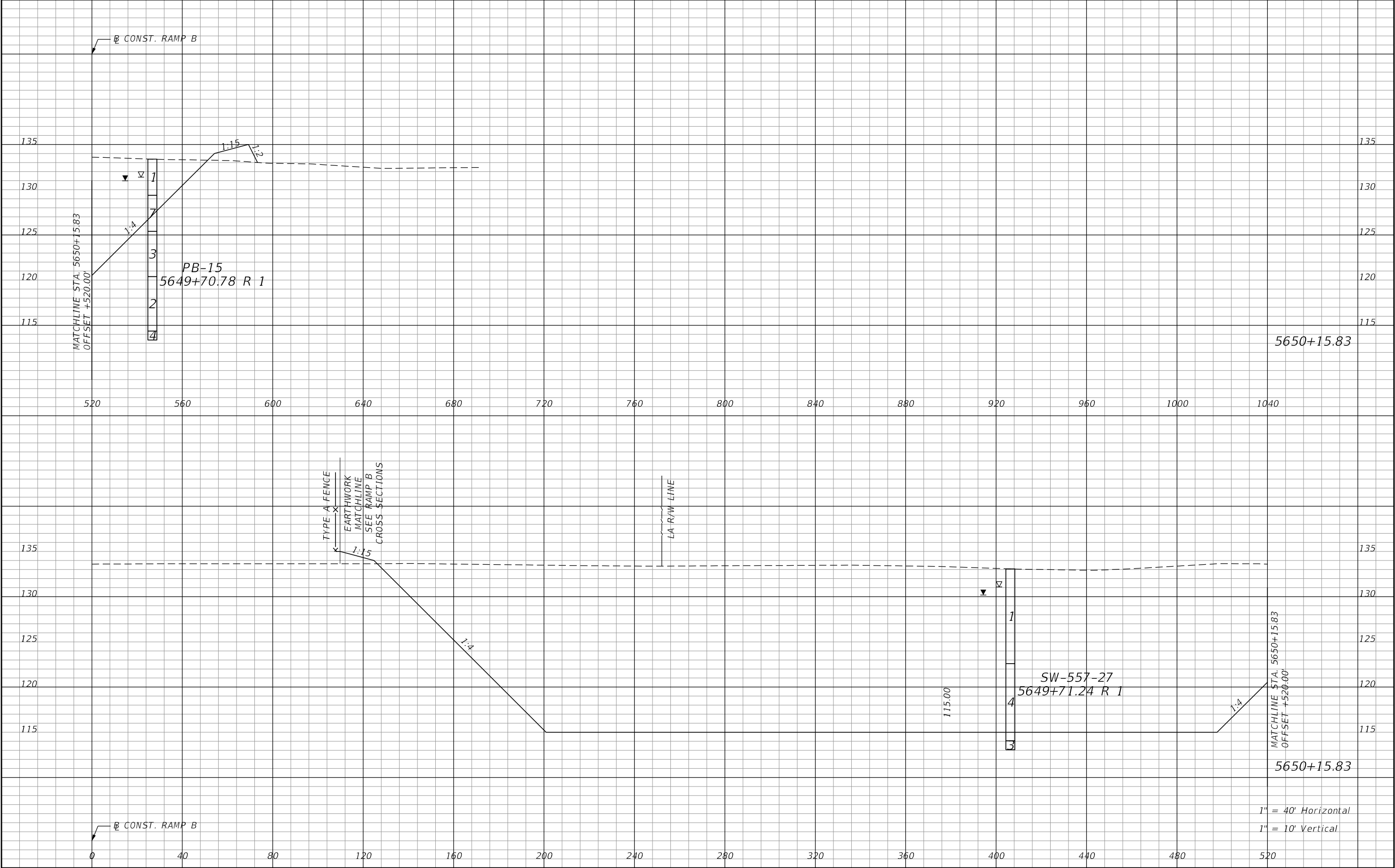
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 222
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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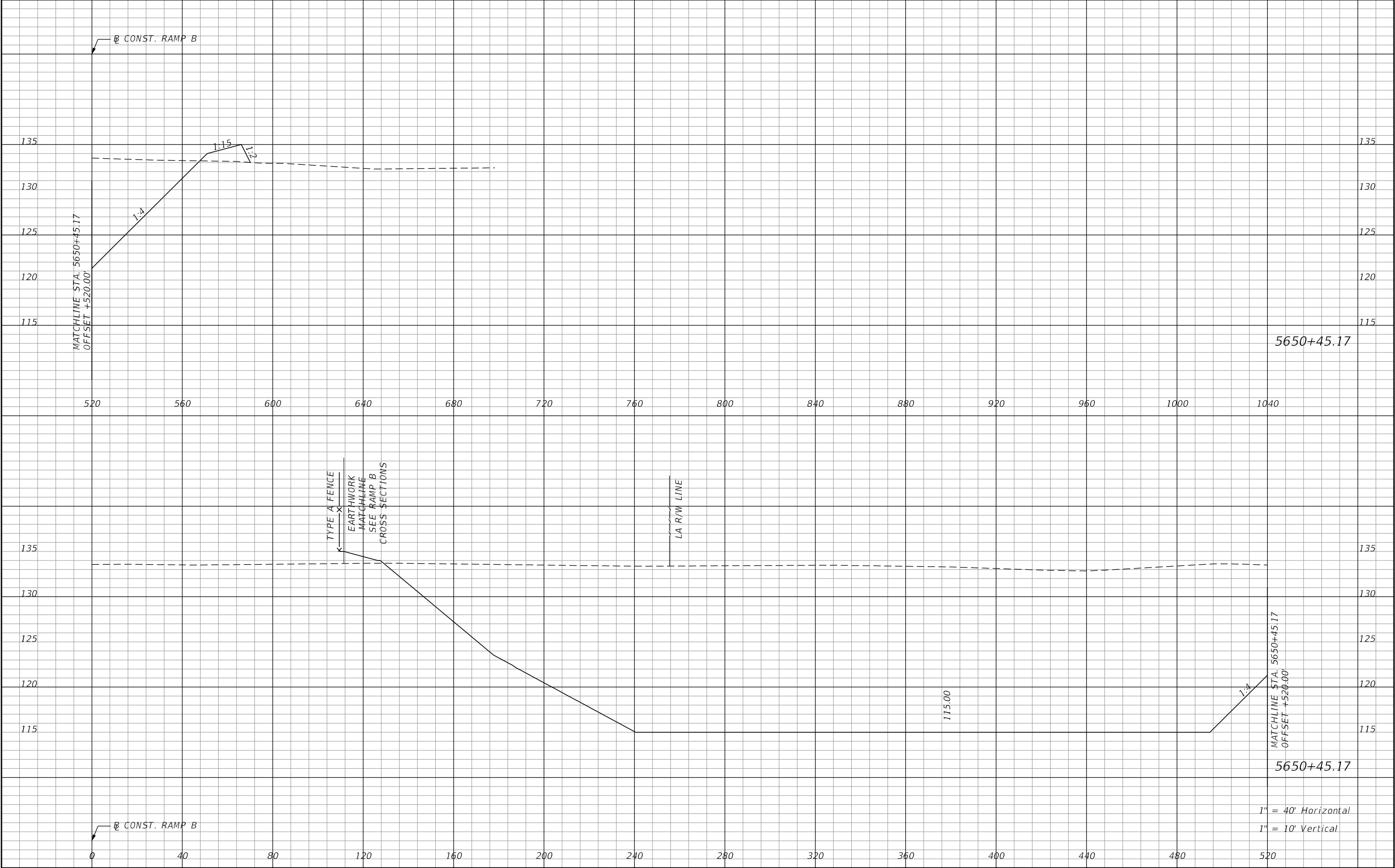
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 223
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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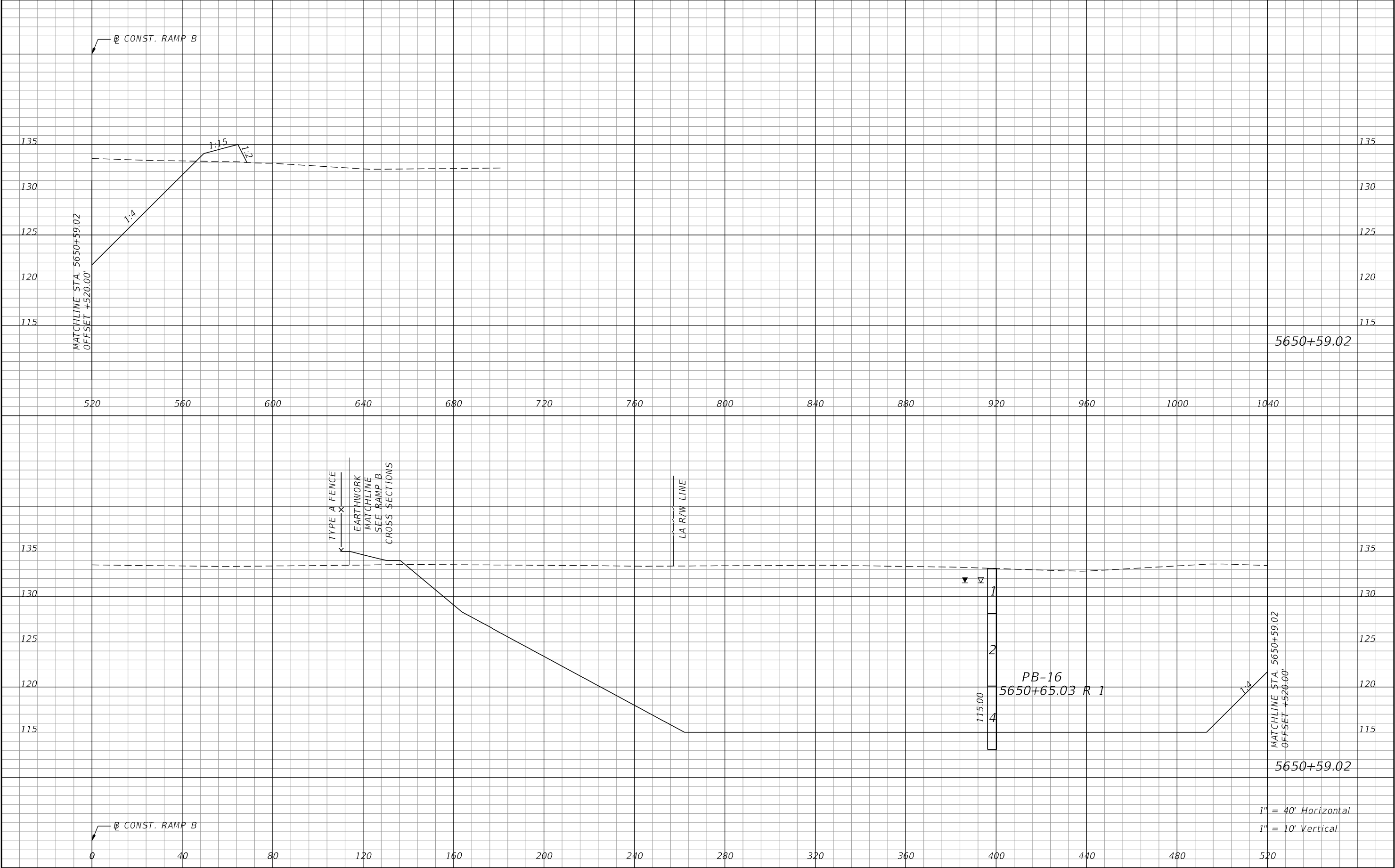
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		224
					SR 400	POLK	201215-3-52-01		

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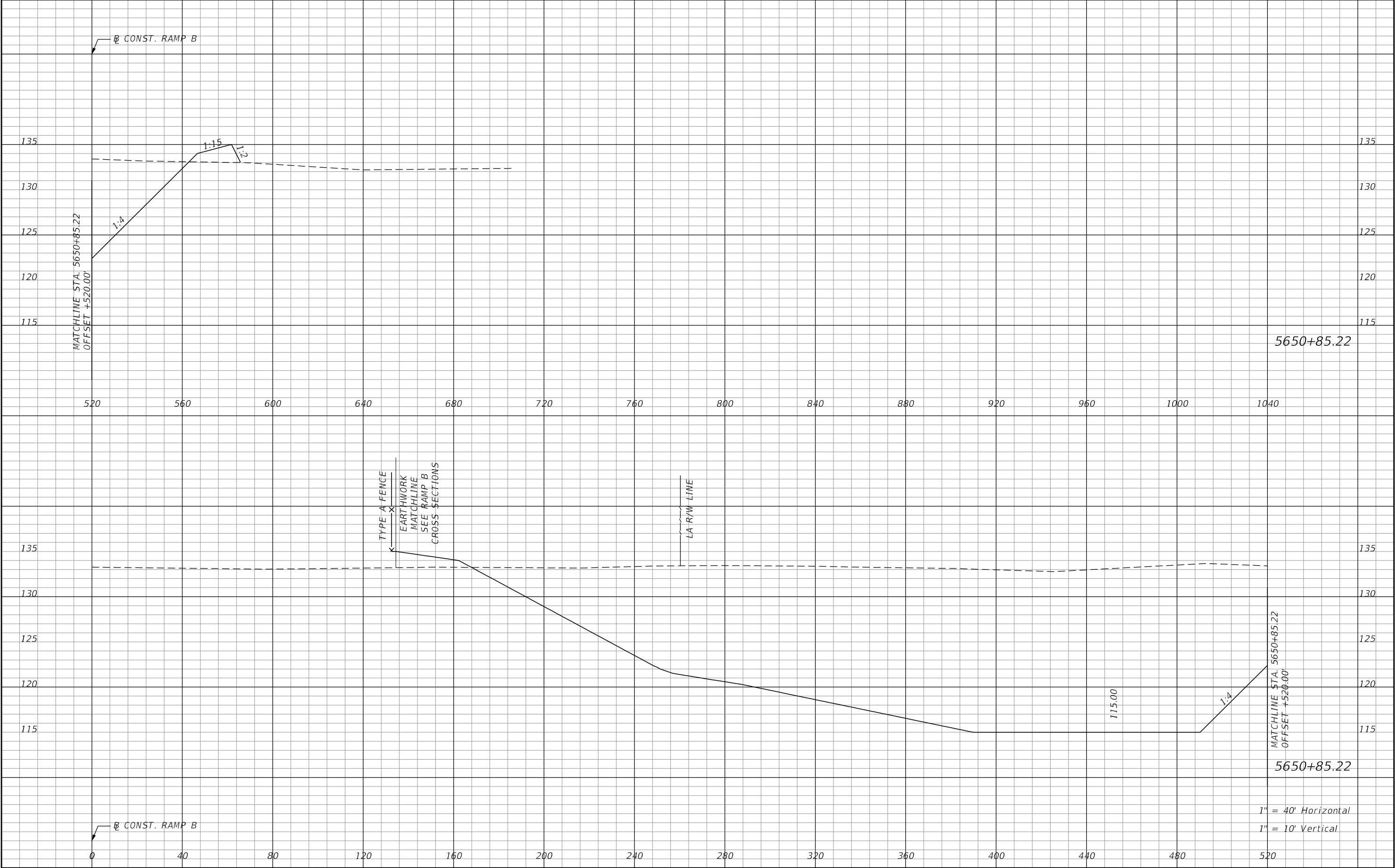
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 225
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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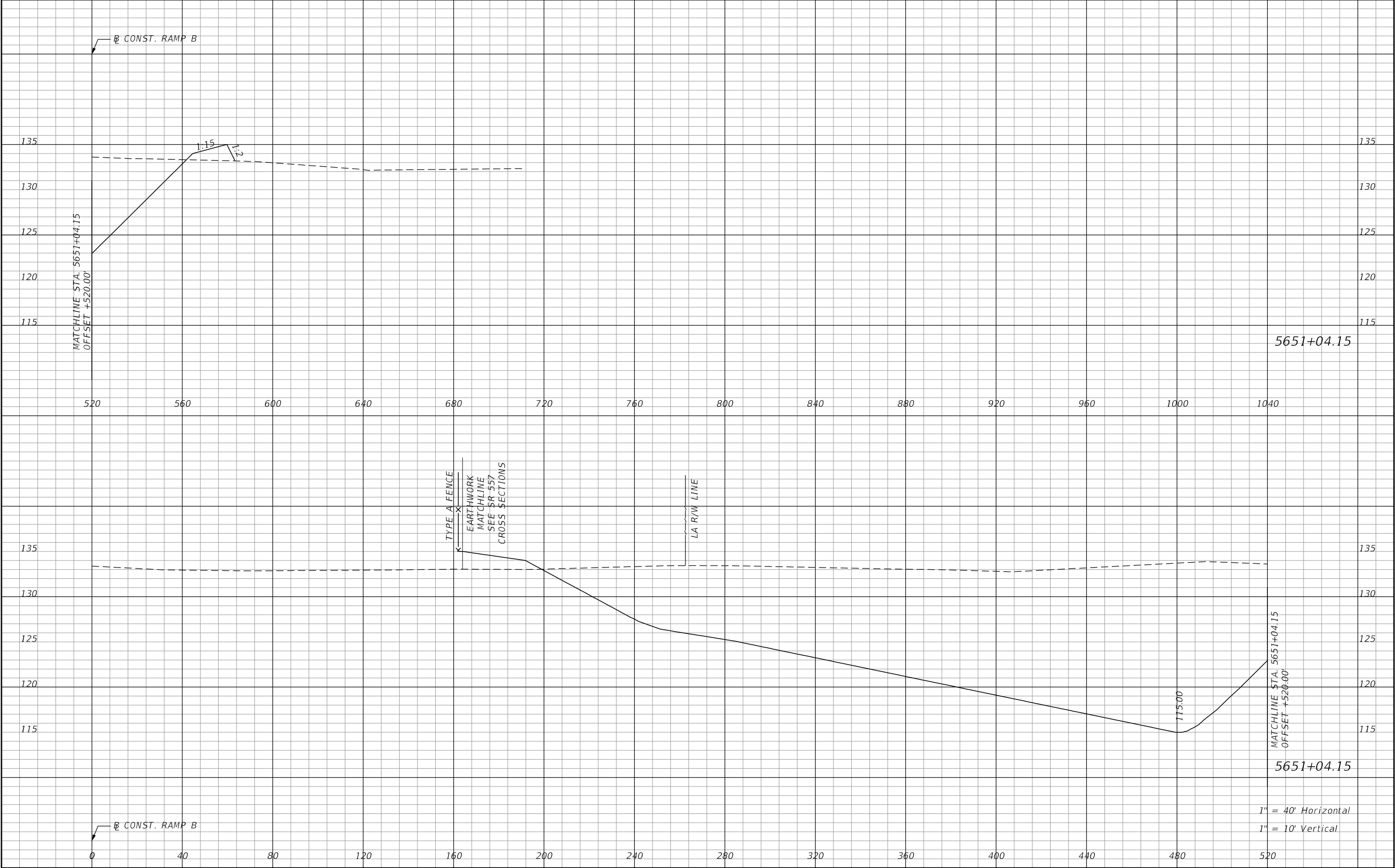
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			226
					SR 400	POLK	201215-3-52-01			

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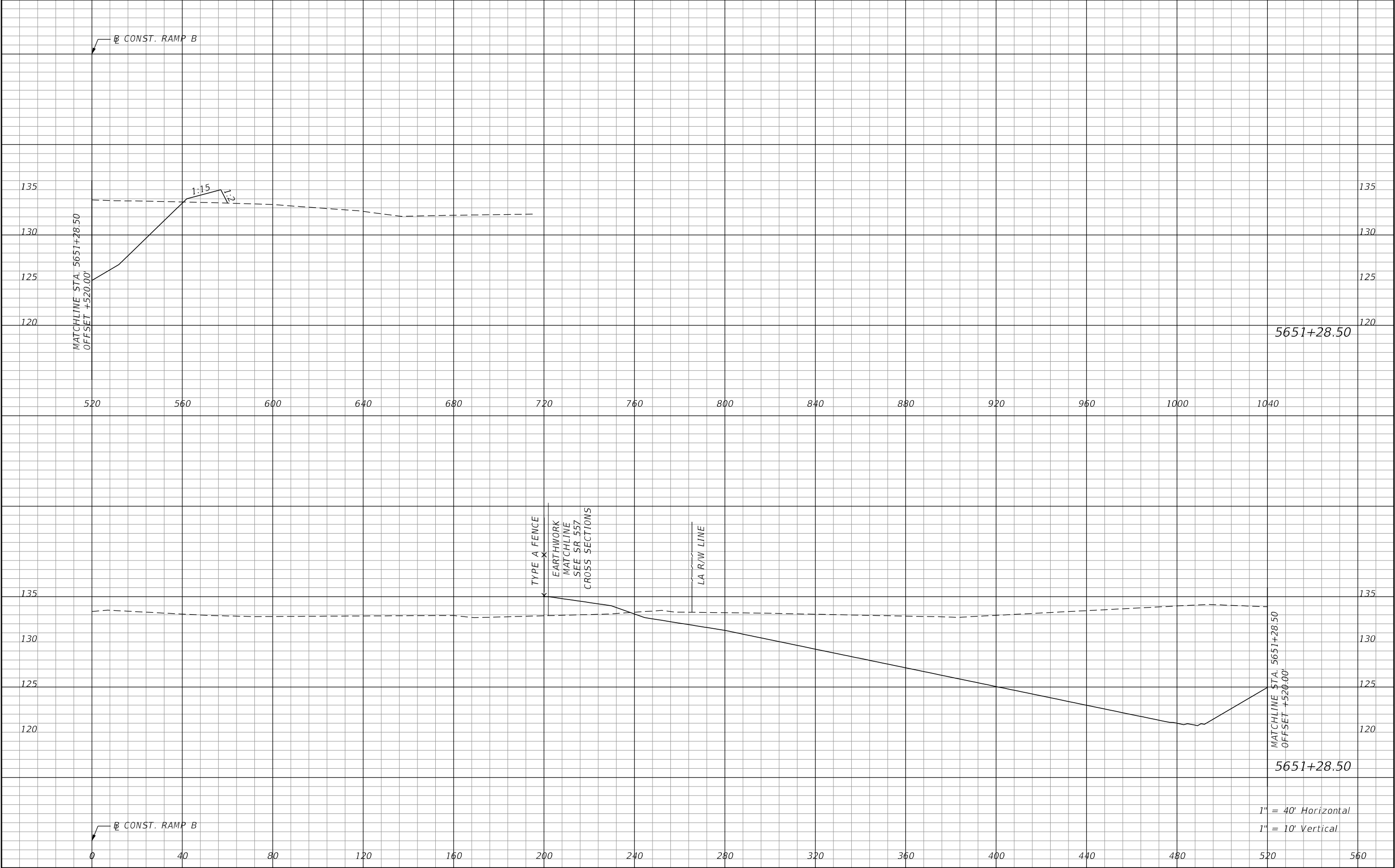
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		227
					SR 400	POLK	201215-3-52-01		

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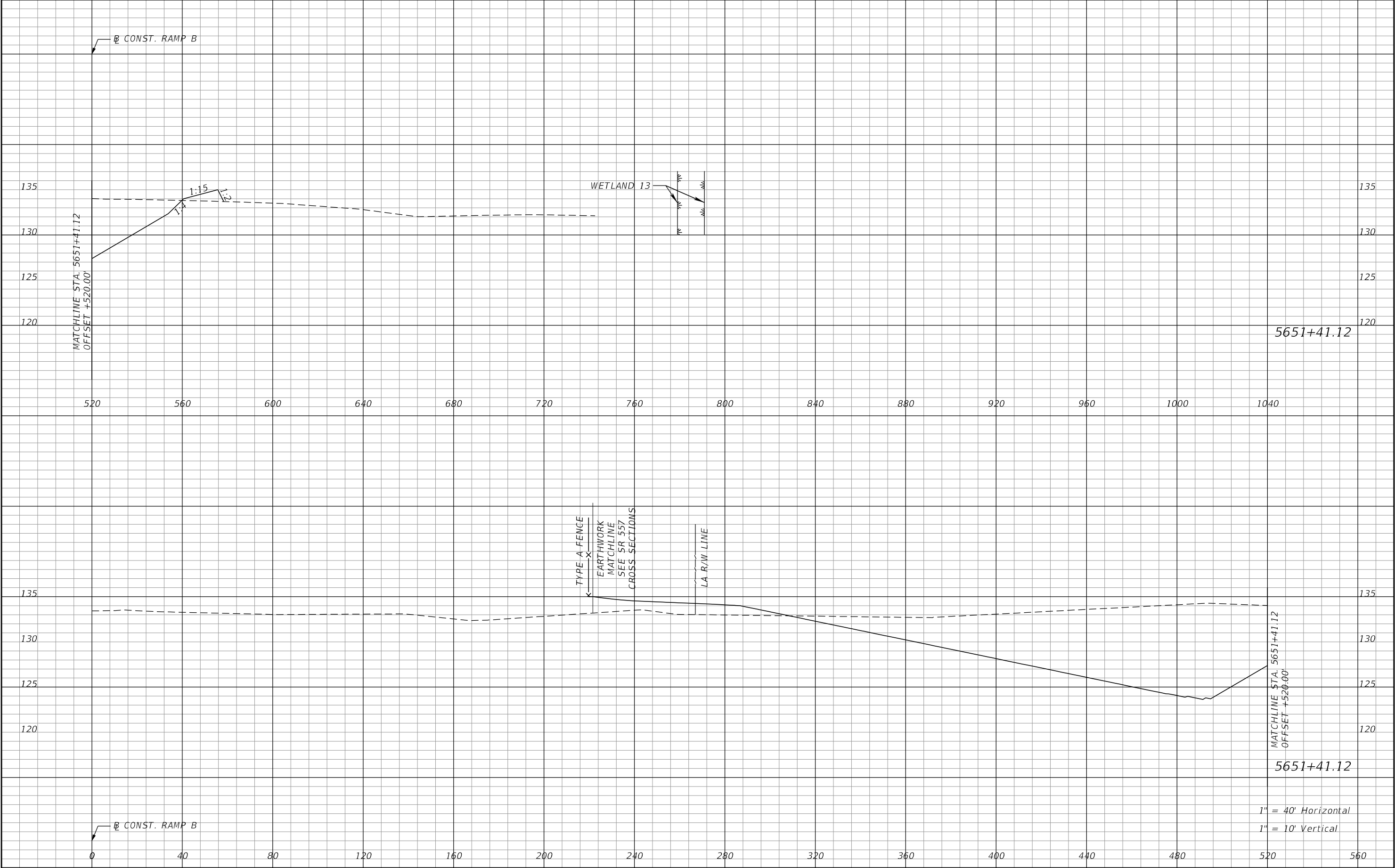
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 228
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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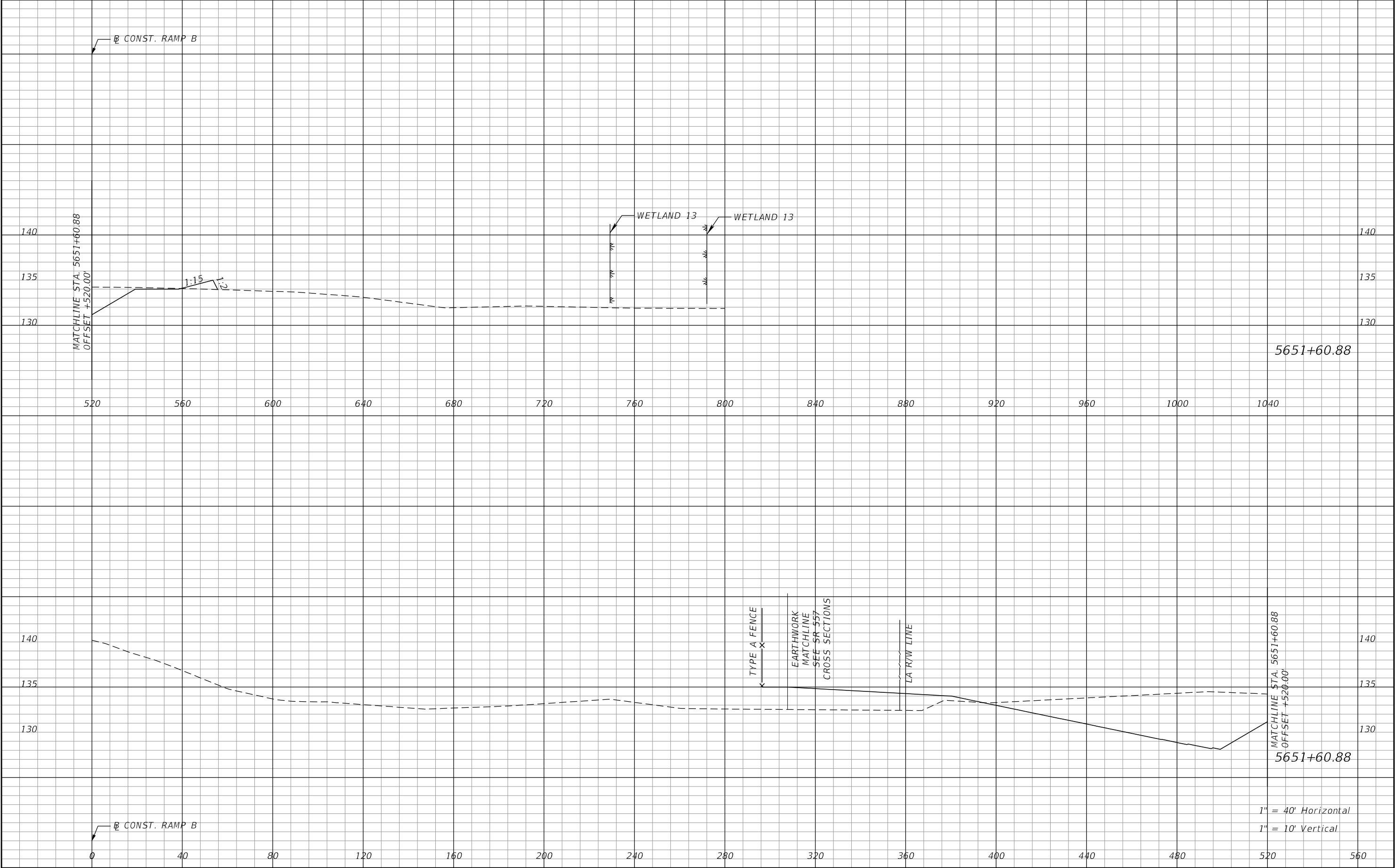
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 229
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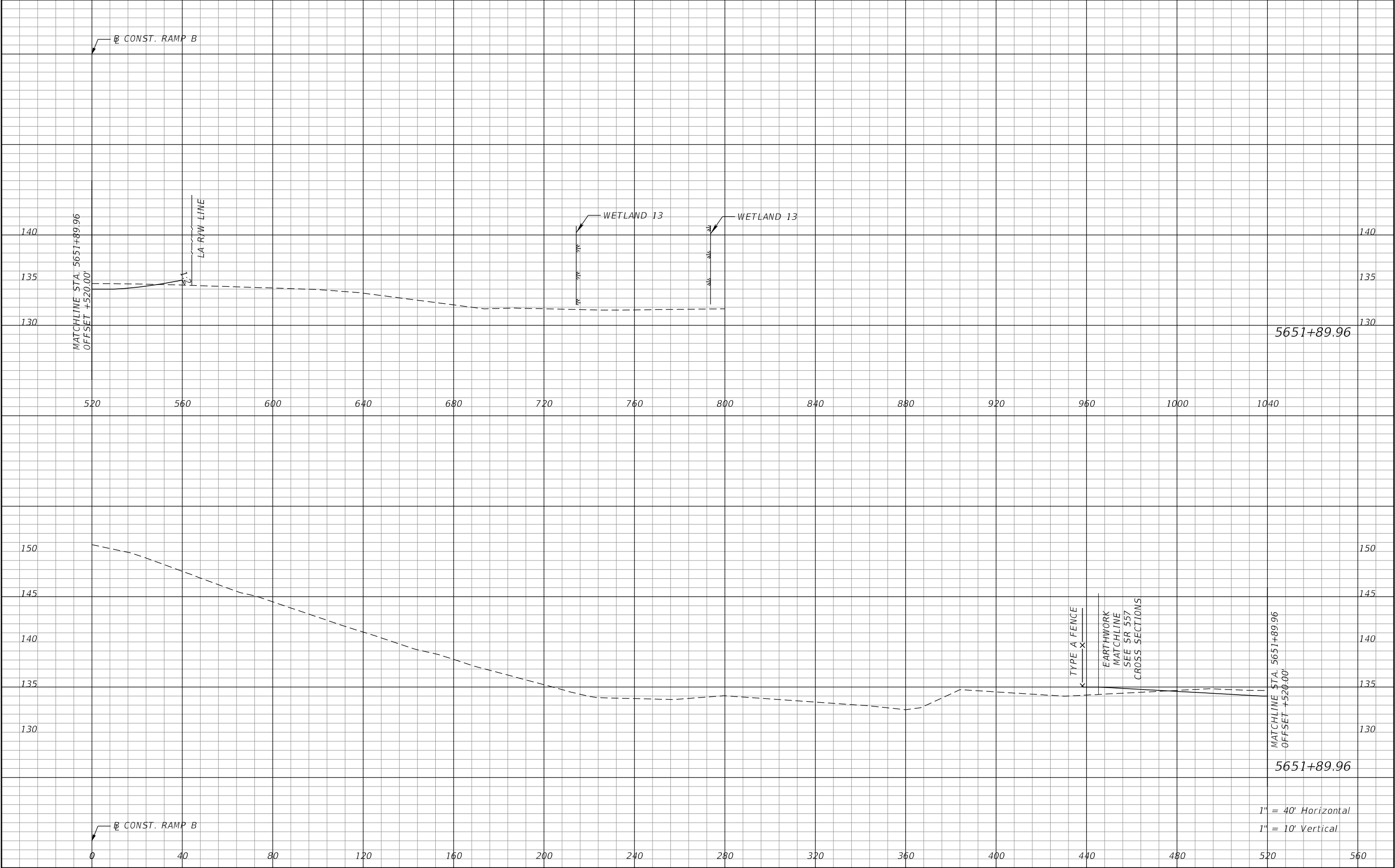
REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS		SHEET NO. 230
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		231
					SR 400	POLK	201215-3-52-01		

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REVISIONS				Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND 2 CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	232	

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DATES OF SURVEY: SEPTEMBER, OCTOBER 2010, JULY 2015, APRIL 2017, MARCH, APRIL, JULY TO OCTOBER 2018

SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.

SUBMITTED BY: CRAIG G. BALLOCK, P.E.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION MATERIALS AND RESEARCH
FINANCIAL PROJECT ID : 201215-3-32-01

DISTRICT: 1
ROAD NO.: SR 400
COUNTY: POLK

PROJECT NAME: I-4 (SR 400) AT SR 557 INTERCHANGE
CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS AND PONDS

SR 400 (I-4) SURVEY BEGINS STA. : 1588+00 SURVEY ENDS STA. : 1721+00
SR 557 SURVEY BEGINS STA. : 241+00 SURVEY ENDS STA. : 292+00
RAMP A SURVEY BEGINS STA. : 4622+00 SURVEY ENDS STA. : 4653+00
RAMP B SURVEY BEGINS STA. : 5629+00 SURVEY ENDS STA. : 5653+00
RAMP C SURVEY BEGINS STA. : 6652+00 SURVEY ENDS STA. : 6683+00
RAMP D SURVEY BEGINS STA. : 7652+00 SURVEY ENDS STA. : 7676+00

ORGANIC CONTENT			MOISTURE CONTENT		SIEVE ANALYSIS RESULTS						STATIONS REFERENCE: CENTERLINE OF SURVEY				CORROSION TEST RESULTS					
					PERCENT		PASS (%)				ATTERBERG LIMITS (%)									
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	14	1-4	14	10-40	40(FULL) 24(-200)	99-100	60-90	21-63	6-27	2-10	0	-	-	A-3	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL	23	15,000-51,000	<15-15	<6-15	7.2-8.1
2	5	2-3	5	16-35	20(FULL) 20(-200)	89-100	46-100	24-97	15-66	11-19	0	-	-	A-2-4	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL	9	11,000-22,000	<15-15	<6-18	6.9-8.1
3	0	-	8	13-27	17(FULL) 16(-200)	100	64-99	36-97	21-76	20-36	8	NP-29	NP-10	A-2-4	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN SILTY FINE SAND, TRACE CLAY AND OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL	0	-	-	-	-
4	1	4	42	11-82	22(FULL) 20(-200)	100	63-99	40-94	26-65	23-82	42	NP-47	NP-32	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6	LIGHT GRAY TO GREEN TO GRAY TO ORANGE BROWN SILTY FINE SAND TO CLAYEY FINE SAND TO SANDY CLAY TO SANDY SILT TO SILT, OCCASIONAL TRACE ROOTS, LIMEROCK, ORGANIC MATERIAL AND GRAVEL	0	-	-	-	-
5	3	3-4	7	16-45	4(FULL) 2(-200)	100	73-95	46-89	31-83	30-81	5	50-61	32-46	A-2-7, A-7-5, A-7-6	LIGHT GRAY TO GREENISH GRAY TO ORANGE BROWN CLAYEY FINE SAND TO SANDY CLAY TO CLAY, OCCASIONAL TRACE LIMEROCK, ORGANIC MATERIAL AND GRAVEL	0	-	-	-	-
6	41	5-87	42	16-666	26(FULL) 9(-200)	100	69-100	32-98	13-97	9-97	1	NP	NP	A-8	DARK BROWN TO BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK TO PEAT	0	-	-	-	-
7	0	-	0	-	2(FULL) 1(-200)	100	84	55-63	39-40	29-34	0	-	-	A-3, A-2-4	DARK BROWN TO RED BROWN CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND (HARDPAN)	0	-	-	-	-
8	0	-	0	-	0	-	-	-	-	-	0	-	-	-	LIMEROCK	0	-	-	-	-
9	3	5-7	3	32-78	3(-200)	-	-	-	-	68-93	3	30-59	10-32	A-8	DARK BROWN TO BROWN TO GRAY ORGANIC FAT CLAY	0	-	-	-	-

- NOTES
1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING 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 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.FOR FURTHER DETAILS SEE SECTION 120-3.
2. GROUNDWATER TABLE SHOWN AS ▾ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH GROUNDWATER SHOWN AS ▽ IF ESTIMATED AT OR ABOVE THE BOTTOM OF BORING PROFILE ELEVATION. ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL ABOVE GROUND SURFACE SHOWN AS ▽_{AGS}.
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE FDOT STANDARD PLANS UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD PLANS.
4. SOIL TEST RESULTS INCLUDES DATA FROM ROADWAY AND POND BORINGS.
5. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
6. THE SYMBOL "NP" REPRESENTS NON-PLASTIC.
7. STRATA 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS.
8. STRATA 2, 3, 4 AND 7 MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
9. STRATA 3 AND 4 SHALL BE TREATED AS PLASTIC (P) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS.
10. STRATUM 5 SHALL BE TREATED AS HIGH PLASTIC (H) MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLANS.
11. STRATA 6 AND 9 SHALL BE TREATED AS MUCK (M) IN ACCORDANCE WITH FDOT STANDARD PLANS.
12. STRATUM 7 MAY BE DIFFICULT TO DEWATER, EXCAVATE AND/OR PENETRATE AND MAY REQUIRE SPECIAL EQUIPMENT AND/OR PROCEDURES TO FACILITATE DEWATERING, EXCAVATION AND/OR PENETRATION. STRATUM 7 CAN BE TREATED AS SELECT (S) MATERIAL BUT MAY NEED TO BE PULVERIZED PRIOR TO USE AS FILL.
13. LAYERS OF VERY HARD MATERIAL SUCH AS HARDPAN, CEMENTED SAND, ETC. MAY BE ENCOUNTERED IN VARIOUS AREAS OF THE PROJECT. SUCH MATERIALS WILL BE DIFFICULT TO EXCAVATE OR PENETRATE. THE CONTRACTOR SHALL EXPECT TO ENCOUNTER THESE VERY HARD MATERIALS IN ALL EXCAVATIONS AND SHALL USE SPECIALIZED EQUIPMENT AND/OR PROCEDURES AS NECESSARY TO FACILITATE EXCAVATIONS OR PENETRATIONS.
14. SPT BORING PROFILES ARE DEPICTED ON CROSS SECTIONS IN PROJECT PLANS BUT HAVE BEEN TRUNCATED TO A MAXIMUM DEPTH OF 20 FEET BELOW THE EXISTING GROUND SURFACE. FOR DETAILED RESULTS OF SPT BORINGS, SEE THE REPORT OF ROADWAY SPT BORING AND CPT SOUNDING RESULTS SHEETS.

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION		DATE						DESCRIPTION

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GENERAL LEGEND

- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- W/H WEIGHT OF HAMMER
- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- K_H= HORIZONTAL PERMEABILITY RATE (ft./day)
- BT BORING TERMINATED AT SPECIFIC DEPTH (FEET) INDICATED

FOR ROADWAY BORINGS

- ▽
AGS

ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL ABOVE GROUND SURFACE
- ▽
1.0

ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)
- ▼
3.1

ENCOUNTERED GROUNDWATER DEPTH (FT.) 24 HRS. AFTER DRILLING BORING

FOR POND BORINGS

- ▽
+130.9

ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼
+129.1

ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS. AFTER DRILLING BORING

CORRELATION OF STANDARD PENETRATION RESISTANCE
WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

AUTOMATIC HAMMER N VALUE		
GRANULAR SOILS	(blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER N VALUE		
NON-GRANULAR SOILS	(blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

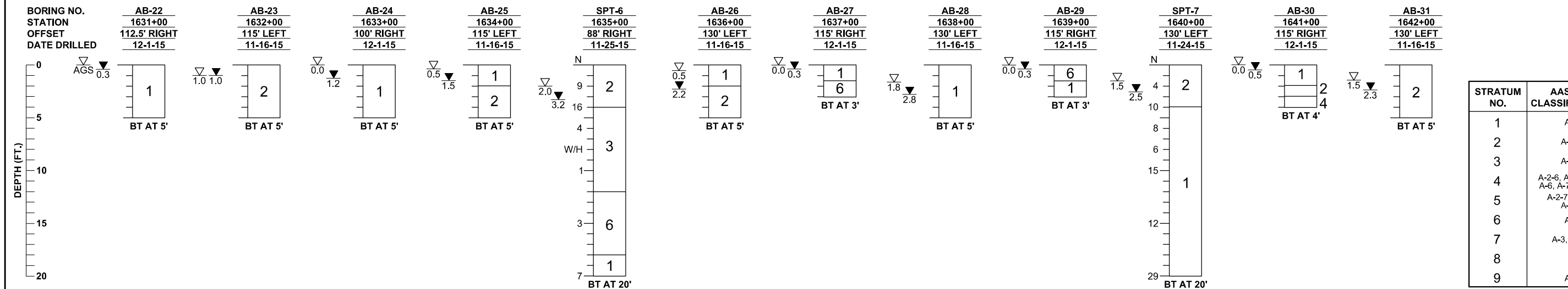
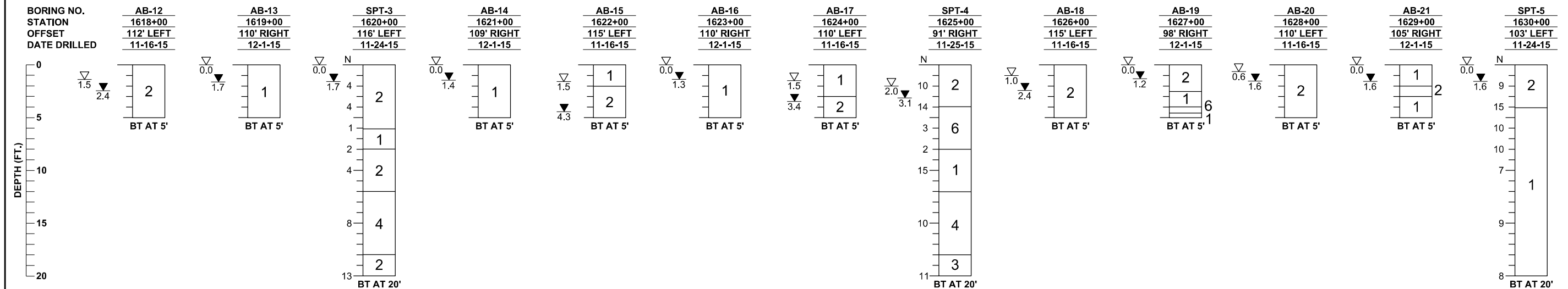
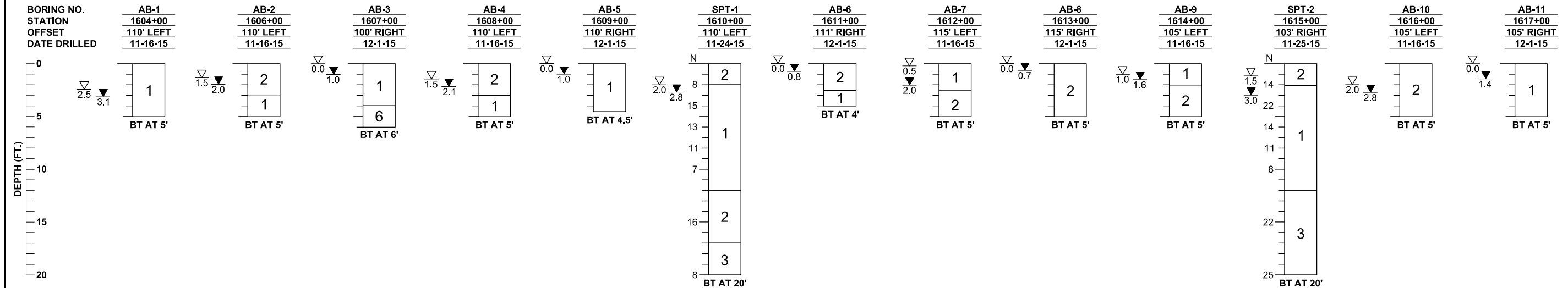
NOTES

- SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.
- ROADWAY BORING LOCATIONS WERE NOT SURVEYED. ROADWAY BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO XH).
- POND BORING LOCATIONS WERE SURVEYED FOR HORIZONTAL AND VERTICAL CONTROL USING NAVD88 BY DEWBERRY. GEOGRAPHIC COORDINATES REFERENCE THE NAD 1983 STATE PLANE FLORIDA WEST FIPS 0902 FEET SYSTEM. BORING LOCATIONS REFERENCE THE I-4 CENTERLINE.
- STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.
- SPLIT SPOON SAMPLER:
INSIDE DIAMETER: 1.375 IN.
OUTSIDE DIAMETER: 2.0 IN.
AVERAGE HAMMER DROP: 30 IN.
HAMMER WEIGHT: 140 LBS.

STRATUM NO.	AASHTO CLASSIFICATION	SOIL DESCRIPTION
1	A-3	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN FINE SAND TO FINE SAND WITH SILT, OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL
2	A-2-4	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL
3	A-2-4	LIGHT BROWN TO DARK BROWN TO ORANGE BROWN SILTY FINE SAND, TRACE CLAY AND OCCASIONAL TRACE ORGANIC MATERIAL AND TRACE TO SOME ROOTS, LIMEROCK AND GRAVEL
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6	LIGHT GRAY TO GREEN TO GRAY TO ORANGE BROWN SILTY FINESAND TO CLAYEY FINE SAND TO SANDY CLAY TO SANDY SILT TO SILT, OCCASIONAL TRACE ROOTS, LIMEROCK, ORGANIC MATERIAL AND GRAVEL
5	A-2-7, A-7-5, A-7-6	LIGHT GRAY TO GREENISH GRAY TO ORANGE BROWN CLAYEY FINE SAND TO SANDY CLAY TO CLAY, OCCASIONAL TRACE LIMEROCK, ORGANIC MATERIAL AND GRAVEL
6	A-8	DARK BROWN TO BROWN MUCKY FINE SAND TO SANDY MUCK TO MUCK TO PEAT
7	A-3, A-2-4	DARK BROWN TO RED BROWN CEMENTED FINE SAND WITH SILT TO SILTY FINE SAND (HARDPAN)
8	-	LIMEROCK
9	A-8	DARK BROWN TO BROWN TO GRAY ORGANIC FAT CLAY

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SOIL BORINGS GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	235	

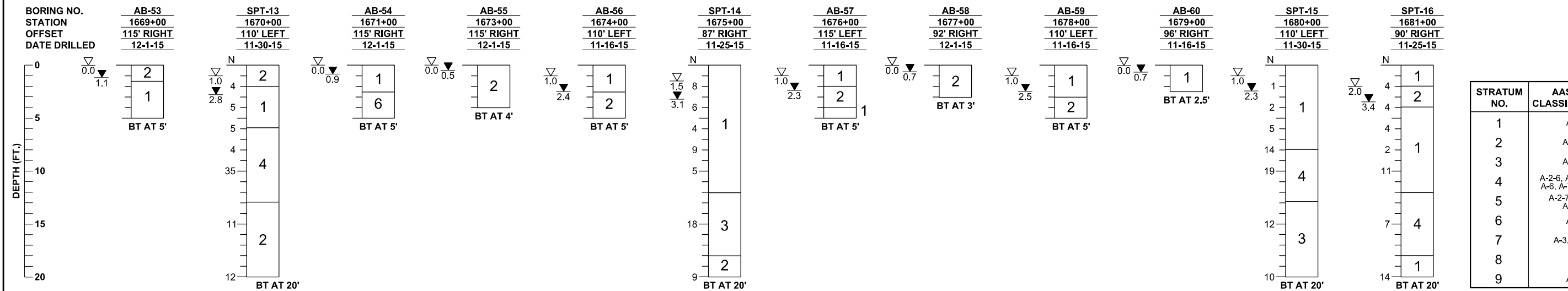
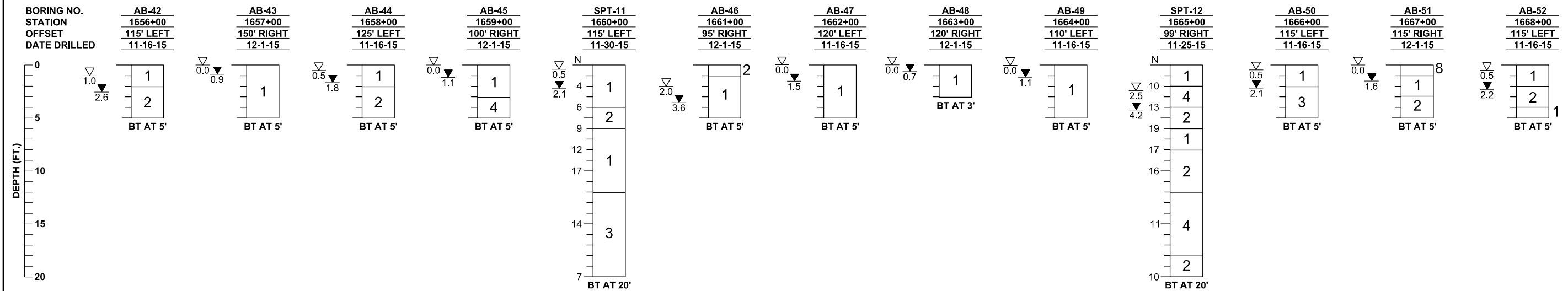
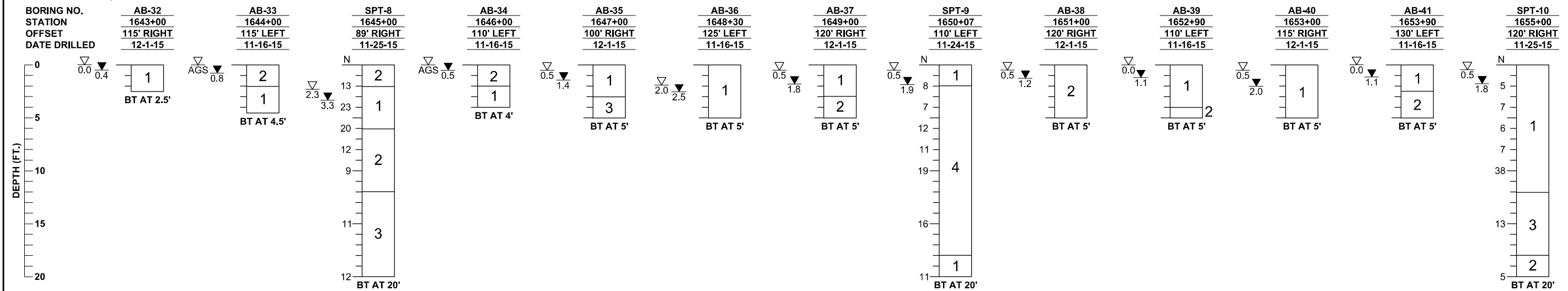
I-4 MAINLINE



STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		236

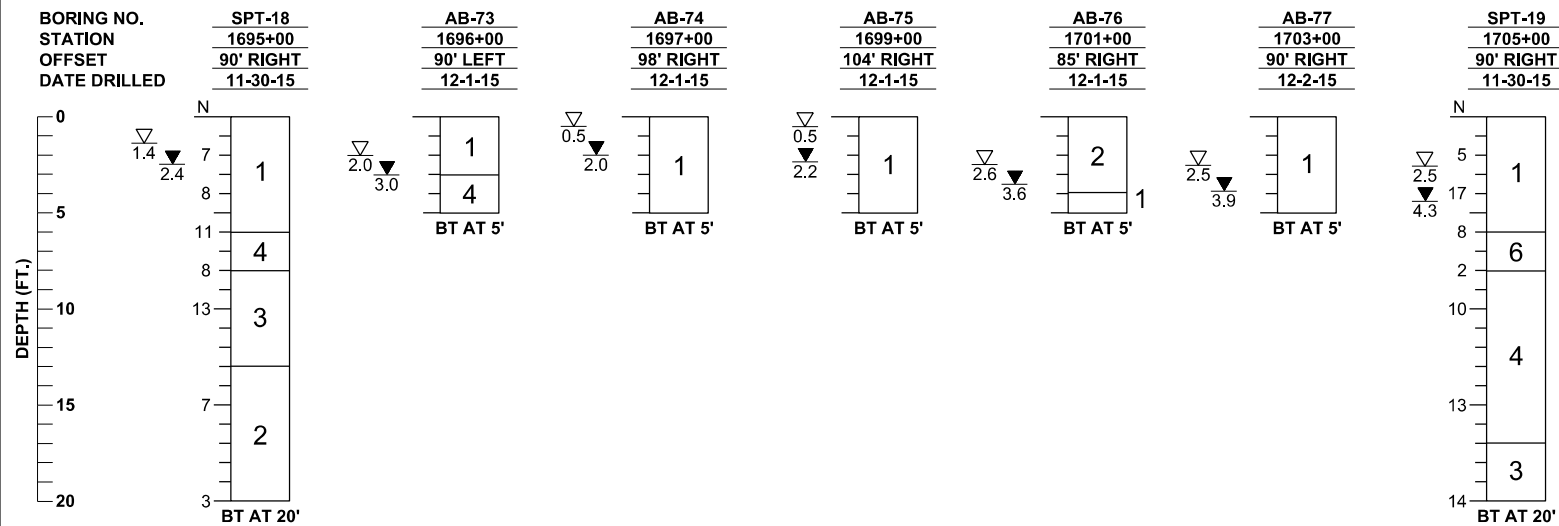
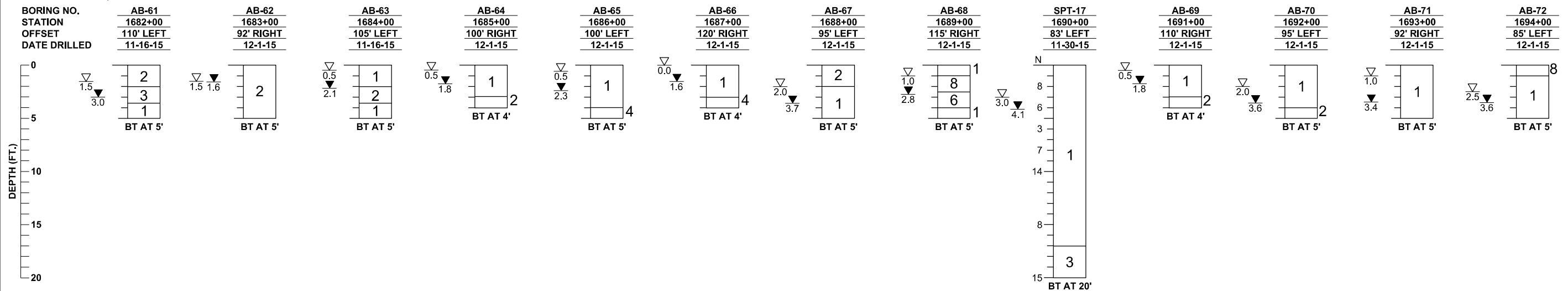
I-4 MAINLINE



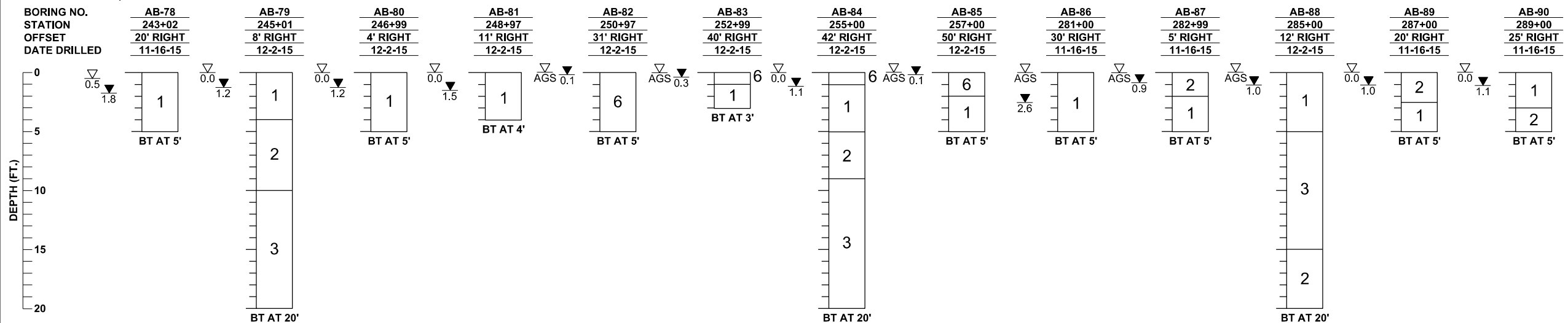
STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		237
					SR 400	POLK	201215-3-52-01		

I-4 MAINLINE

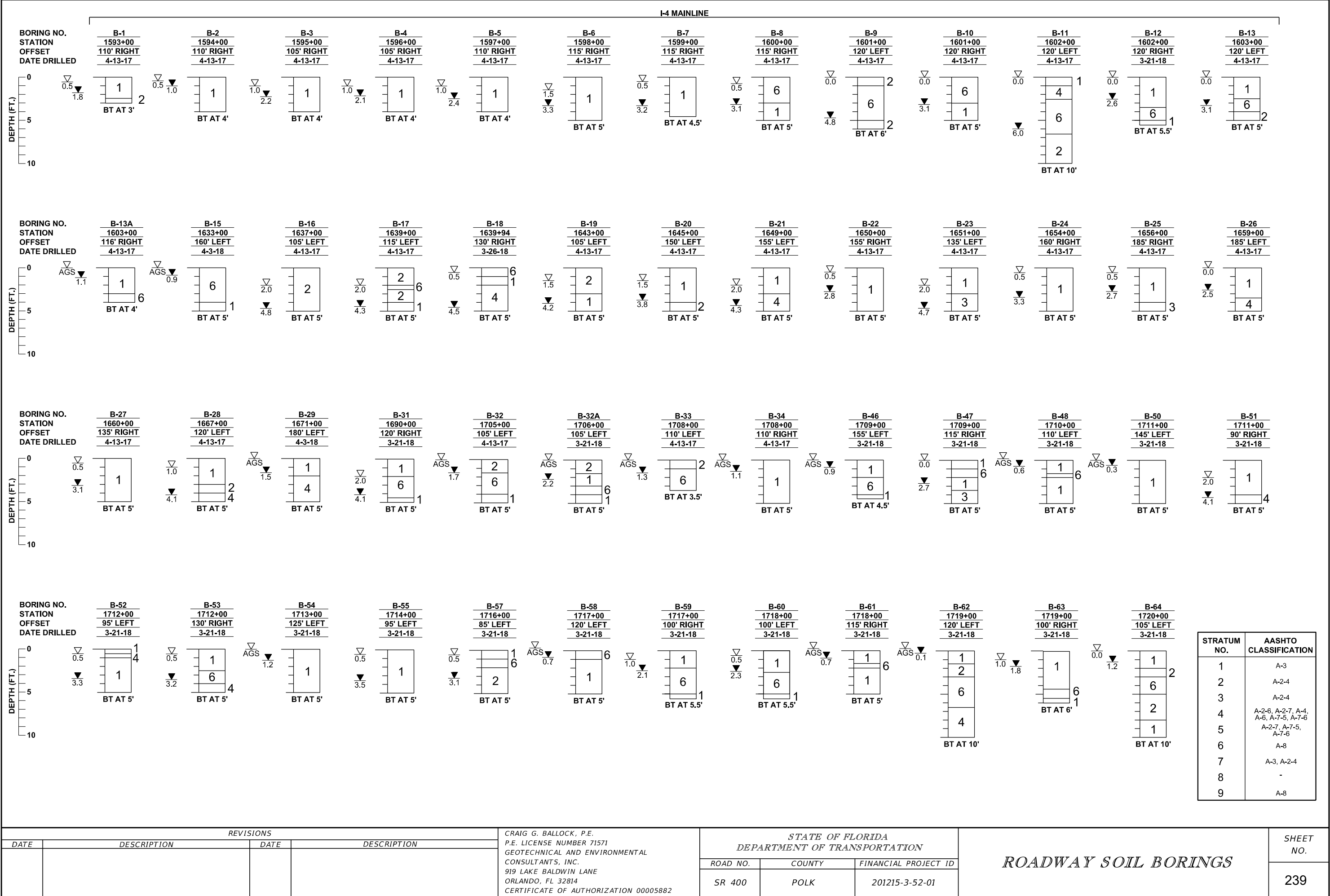


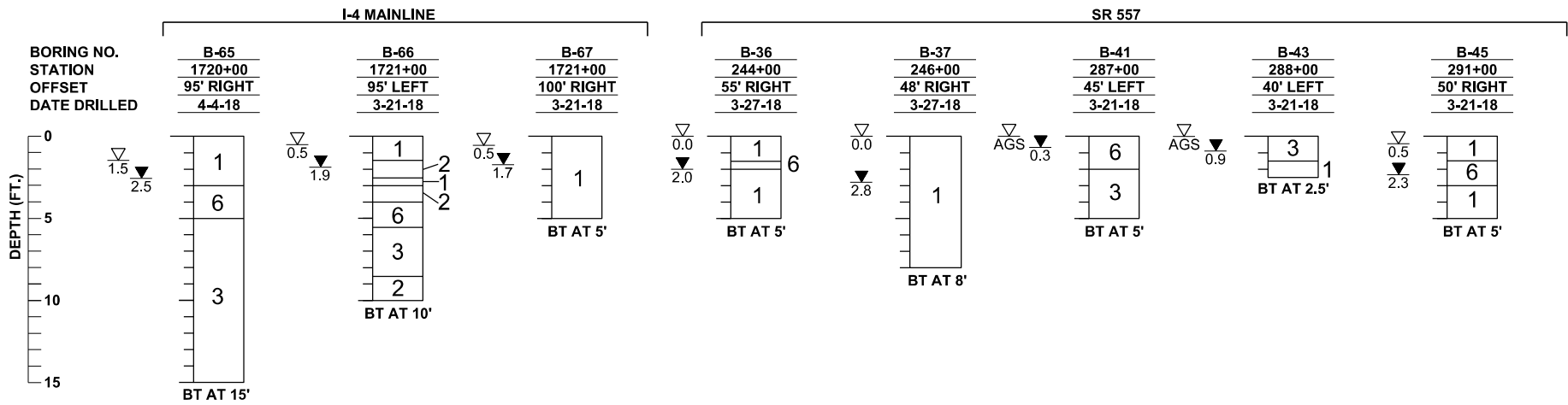
SR 557



STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		238
					SR 400	POLK	201215-3-52-01		





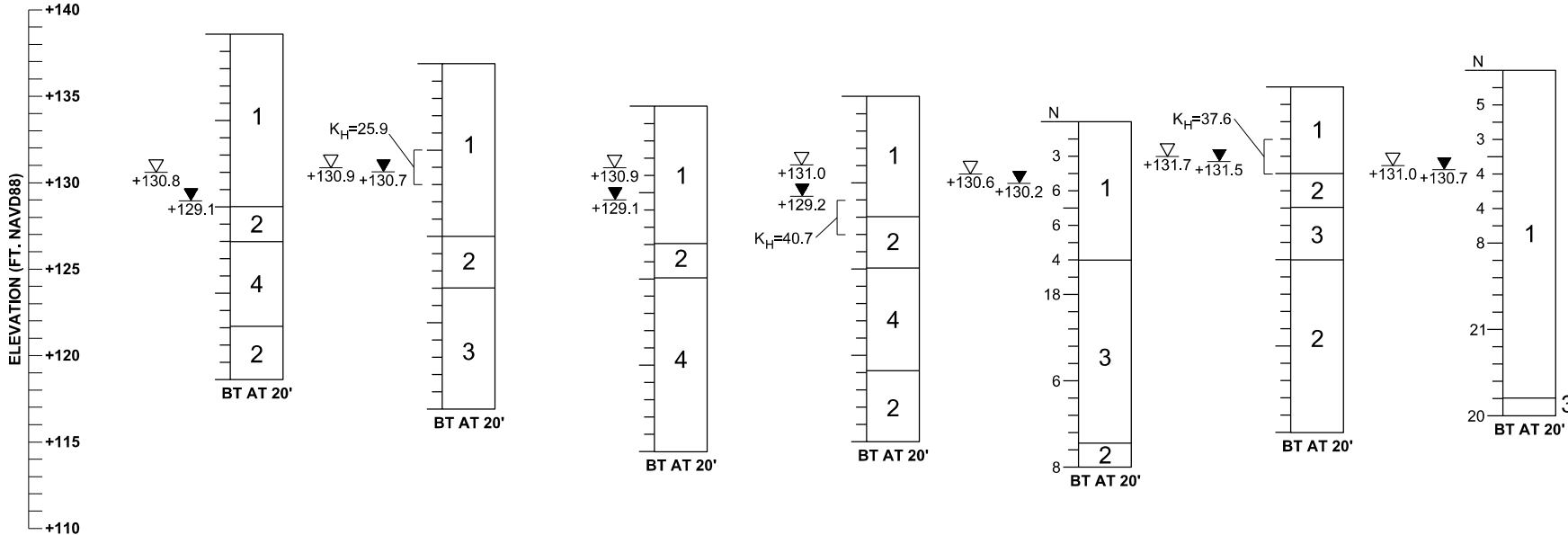
STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		
									240

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

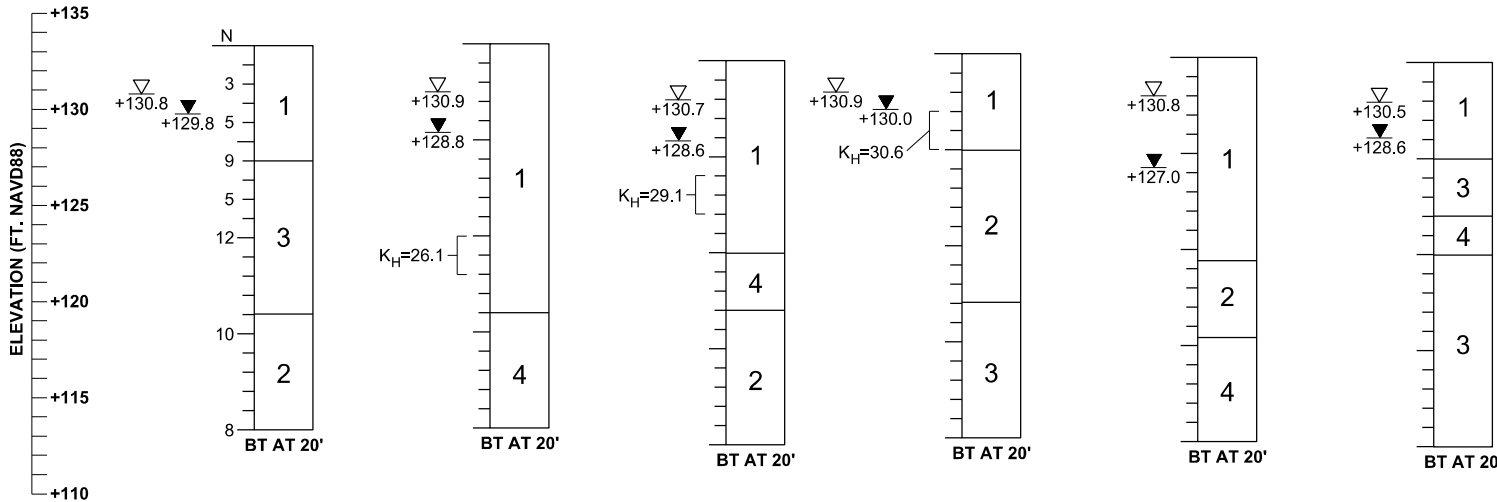
POND 1

BORING NO.	SW-557-2 *	PB-1	SW-557-1 *	SW-557-3 *	PB-2	PB-3	PB-4
STATION	1588+84	1588+85	1588+90	1589+87	1590+45	1590+49	1590+70
OFFSET	582' RIGHT	484' RIGHT	291' RIGHT	426' RIGHT	309' RIGHT	510' RIGHT	616' RIGHT
NORTHING	1395787.488	1395882.0100	1396049.157	1395977.271	1396111.1393	1395904.0874	1395851.8699
EASTING	733250.4568	733184.2415	733109.1032	733262.531	733239.0328	733355.1074	733406.9708
GSE	+138.8	+136.9	+134.4	+135.0	+133.6	+135.7	+136.5
DATE DRILLED	10-8-10	7-27-15	10-8-10	10-9-10	7-24-15	7-24-15	7-24-15



POND 1

BORING NO.	PB-5	SW-557-5 *	SW-557-4 *	PB-6	SW-557-6 *	SW-557-7 *
STATION	1591+47	1591+87	1591+90	1592+28	1592+81	1593+75
OFFSET	480' RIGHT	585' RIGHT	390' RIGHT	302' RIGHT	684' RIGHT	285' RIGHT
NORTHING	1396007.8030	1395927.818	1396103.993	1396202.5985	1395883.62	1396283.691
EASTING	733408.9457	733514.1487	733418.4084	733395.5499	733647.814	733531.162
GSE	+133.3	+133.4	+132.7	+132.9	+132.8	+132.5
DATE DRILLED	7-24-15	10-9-10	10-8-10	7-27-15	10-9-10	10-8-10



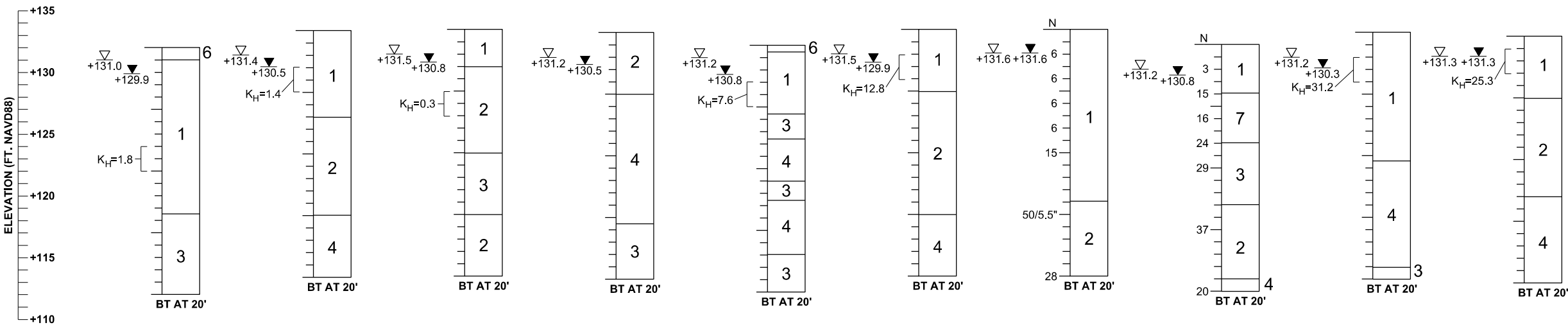
* BORING DATA FROM PRELIMINARY GEOTECHNICAL DATA REPORT EARLY WORKS CONTRACT NO. 3 I-4 AT CR 557 INTERCHANGE FLORIDA HIGH SPEED RAIL - TAMPA TO ORLANDO, DATED MARCH 11, 2011. BORING LOCATIONS WERE NOT SURVEYED BUT INSTEAD ESTABLISHED USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO XT 2005 SERIES). GROUND SURFACE ELEVATION ESTIMATED FROM GROUND SURFACE CONTOUR MAPS.

STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		241
					SR 400	POLK	201215-3-52-01		

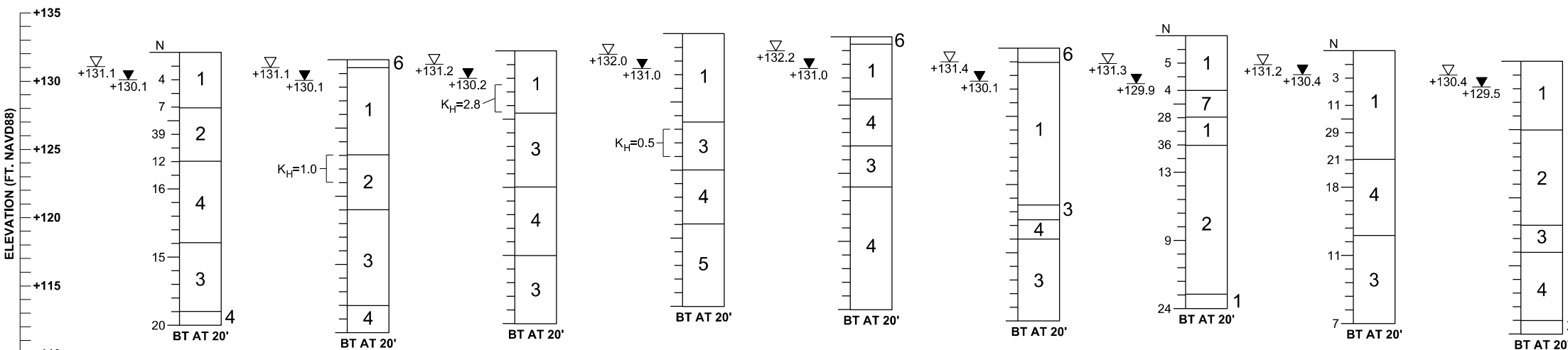
POND 2

FORING NO.	SW-557-19 *	PB-11	PB-12	SW-557-24 *	SW-557-23 *	PB-13	PB-14	PB-15	SW-557-27 *	PB-16
STATION	1644+92	1645+17	1645+18	1646+96	1647+00	1647+29	1648+61	1648+80	1649+00	1649+94
OFFSET	579' RIGHT	708' RIGHT	917' RIGHT	870' RIGHT	678' RIGHT	792' RIGHT	672' RIGHT	913' RIGHT	774' RIGHT	779' RIGHT
NORTHING	1398148.594	1398053.8327	1397863.3317	1397957.219	1398138.693	1398064.4046	1398227.2782	1398015.8232	1398128.869	1398184.5986
EASTING	738278.643	738430.4069	738427.7221	738588.1605	738504.2543	738568.3630	738639.0078	738755.4621	738724.9095	738804.6392
GSE	+132.0	+133.4	+133.5	+133.2	+132.2	+133.5	+133.5	+133.2	+133.2	+132.9
DATE DRILLED	9-20-10	7-22-15	7-22-15	9-28-10	9-28-10	7-23-15	7-20-15	7-20-15	9-29-10	7-23-15



POND 2

BORING NO.	PB-7	SW-557-13 *	PB-8	SW-557-16 *	SW-557-17 *	SW-557-15 *	PB-10	PB-9	SW-557-20 *
STATION	1640+34	1641+30	1642+15	1642+93	1642+93	1642+95	1643+22	1643+62	1644+87
OFFSET	859' RIGHT	780' RIGHT	642' RIGHT	678' RIGHT	873' RIGHT	483' RIGHT	811' RIGHT	569' RIGHT	777' RIGHT
NORTHING	1397716.6353	1397809.095	1397989.7678	1397973.384	1397790.821	1398155.734	1397879.0985	1398116.5759	1397962.518
EASTING	737962.0899	738029.404	738038.6675	738137.9946	738220.9071	738056.0358	738204.9416	738141.3975	738361.4685
GSE	+132.1	+131.6	+132.2	+133.5	+133.2	+132.4	+133.3	+132.2	+131.4
DATE DRILLED	7-21-15	9-30-10	7-21-15	9-30-10	9-30-10	9-30-10	7-20-15	7-21-15	9-28-10



STRATUM NO.	AASHTO CLASSIFICATION
1	A-3
2	A-2-4
3	A-2-4
4	A-2-6, A-2-7, A-4, A-6, A-7-5, A-7-6
5	A-2-7, A-7-5, A-7-6
6	A-8
7	A-3, A-2-4
8	-
9	A-8

* BORING DATA FROM PRELIMINARY GEOTECHNICAL DATA REPORT EARLY WORKS CONTRACT NO. 3 I-4 AT CR 557 INTERCHANGE FLORIDA HIGH SPEED RAIL - TAMPA TO ORLANDO, DATED MARCH 11, 2011. BORING LOCATIONS WERE NOT SURVEYED BUT INSTEAD ESTABLISHED USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO XT 2005 SERIES). GROUND SURFACE ELEVATION ESTIMATED FROM GROUND SURFACE CONTOUR MAPS.

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POND SOIL BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		242

LEGEND

- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- 50/6" NUMBER OF BLOWS FOR 6 INCHES OF PENETRATION
- W/H WEIGHT OF HAMMER
- W/R WEIGHT OF ROD
- ▽

AGS













ESTIMATED SEASONAL HIGH WATER LEVEL ABOVE THE EXISTING GROUND SURFACE
- ▽

1.0

ESTIMATED SEASONAL HIGH GROUNDWATER DEPTH (FT.)
- ▼

1.0

ENCOUNTERED GROUNDWATER DEPTH (FT.) 24 HRS. AFTER DATE DRILLED
- ◀ PERCENT LOSS OF DRILLING FLUID CIRCULATION
- ◁ PERCENT RETURN OF DRILLING FLUID CIRCULATION
- BT BORING TERMINATED AT DEPTH INDICATED
- CT SOUNDING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- OC= PERCENT ORGANIC CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX

	SAND		MUCK		ORGANIC SAND AND CLAY
	SAND AND SILT		CLAY		ORGANIC SAND AND SILT
	ORGANIC CLAY		SAND AND CLAY		SILT
	ORGANIC SILT		SAND AND MUCK		WOOD

GENERAL NOTES

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING AND SOUNDING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS AND SOUNDINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

ELECTRONIC CONE PENETRATION TEST SOUNDINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-5778.

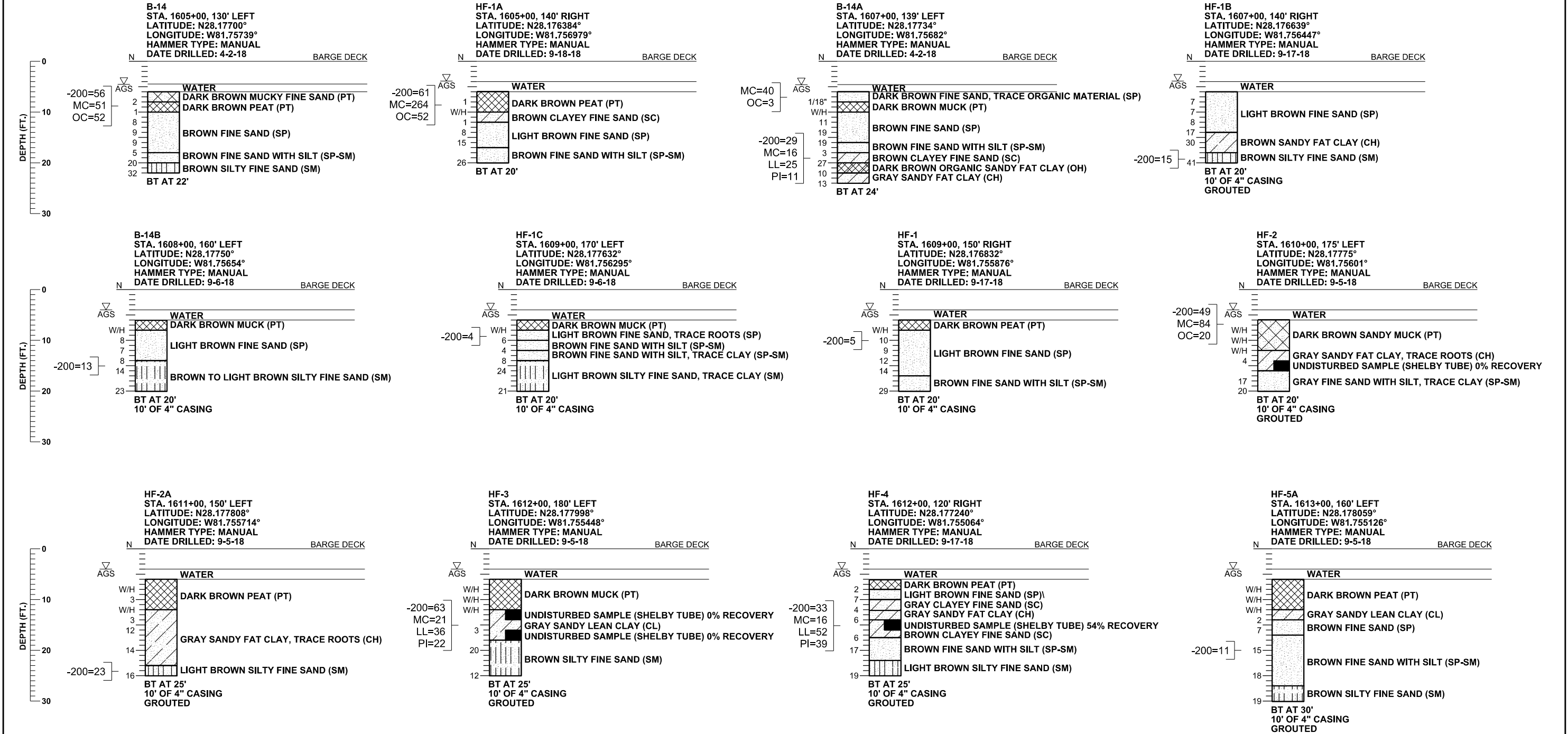
BORINGS LOCATIONS WERE NOT SURVEYED BUT WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT (TRIMBLE 7X). THE BORING LOCATIONS REFERENCE THE I-4, SR 557 AND RAMP CENTERLINES.

BASED ON REVIEW OF THE SEPTEMBER 2016, FLORIDA GEOLOGICAL SURVEY MAP ENTITLED "UPPER FLORIDAN AQUIFER POTENTIOMETRIC SURFACE" FOR THE PROJECT AREA, THE ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED AT APPROXIMATE ELEVATION +130 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +130 FT. NAVD88.

SPLIT SPOON SAMPLER:
INSIDE DIAMETER: 1.375 IN.
OUTSIDE DIAMETER: 2.0 IN.
AVERAGE HAMMER DROP: 30 IN.
HAMMER WEIGHT: 140 LBS.
HAMMER TYPE: SEE BORING PROFILE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPT BORINGS GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		243
					SR 400	POLK	201215-3-52-01		

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



CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

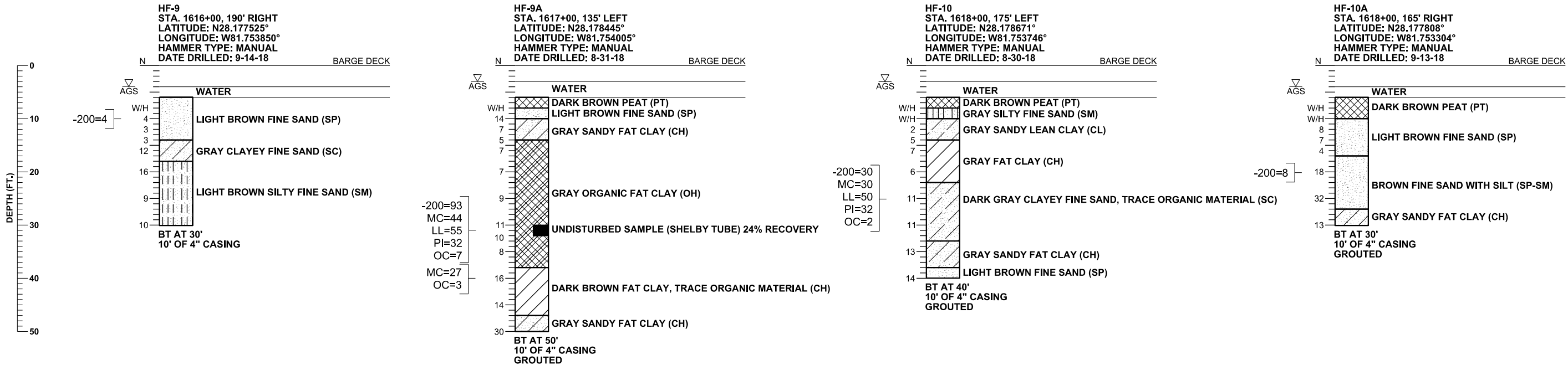
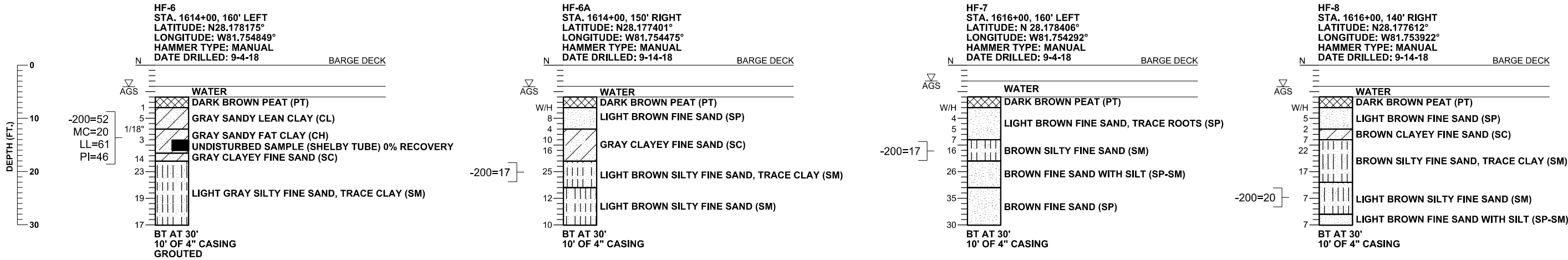
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTIONS: 36, 31
TOWNSHIP: 26 SOUTH
RANGE: 25, 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		244

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

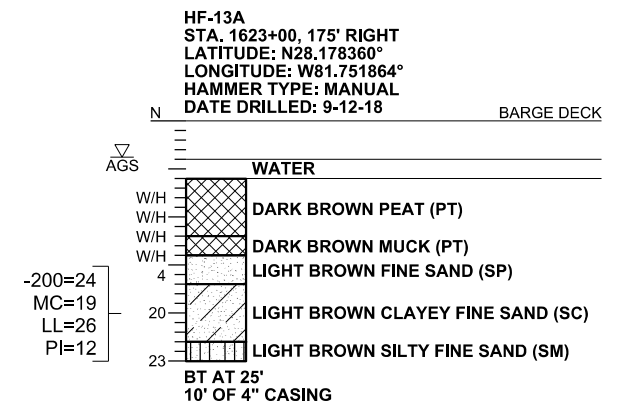
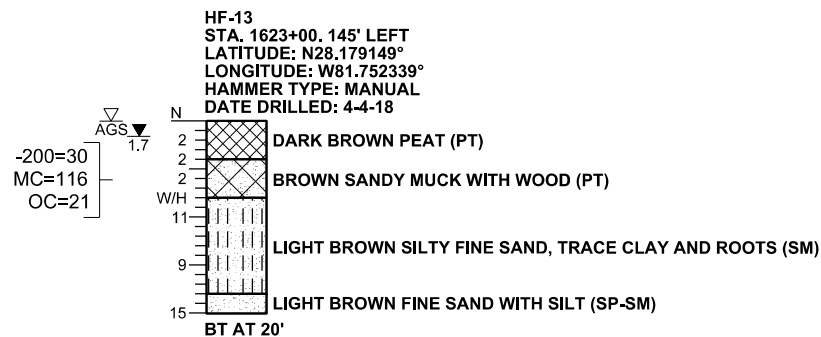
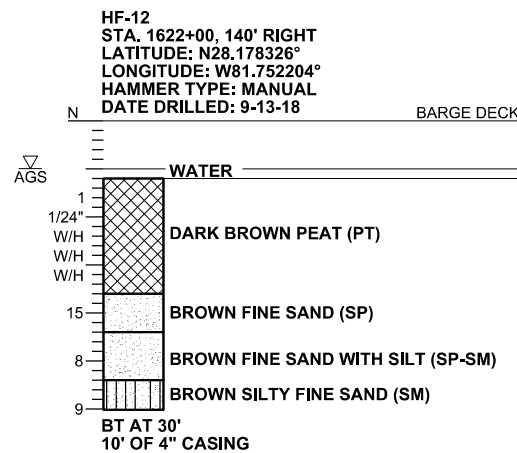
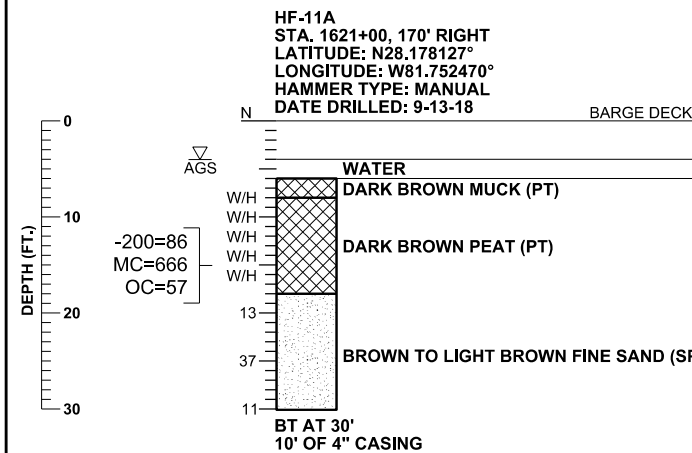
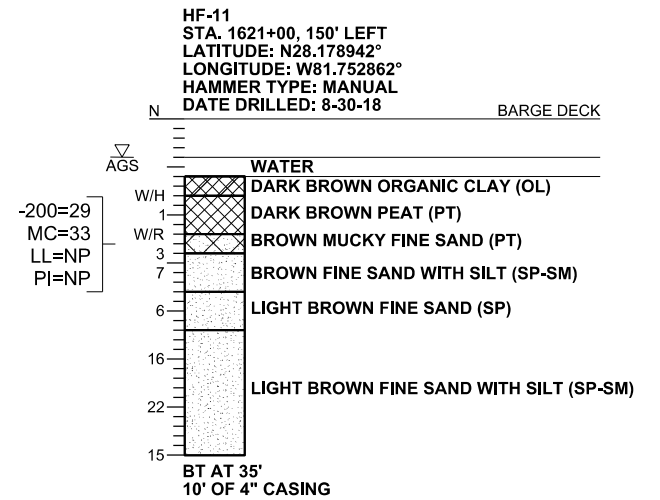
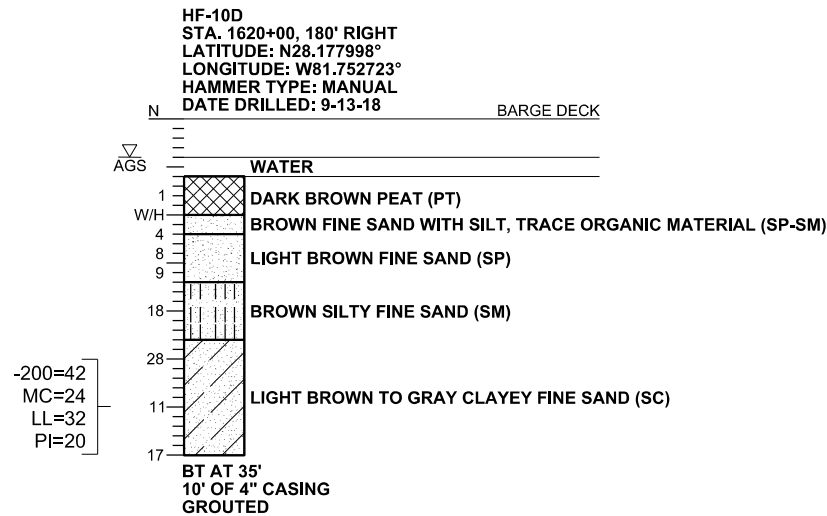
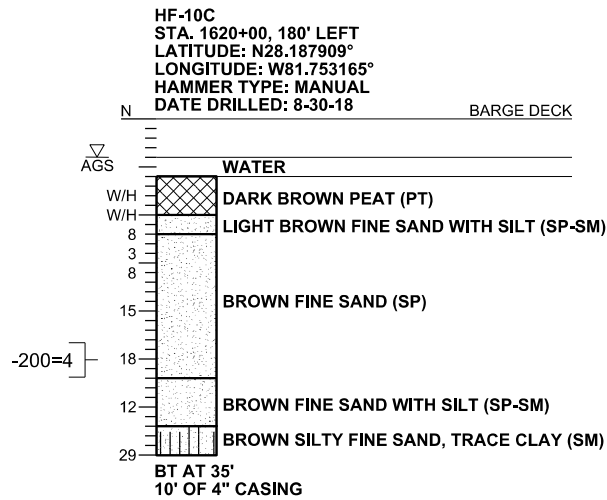
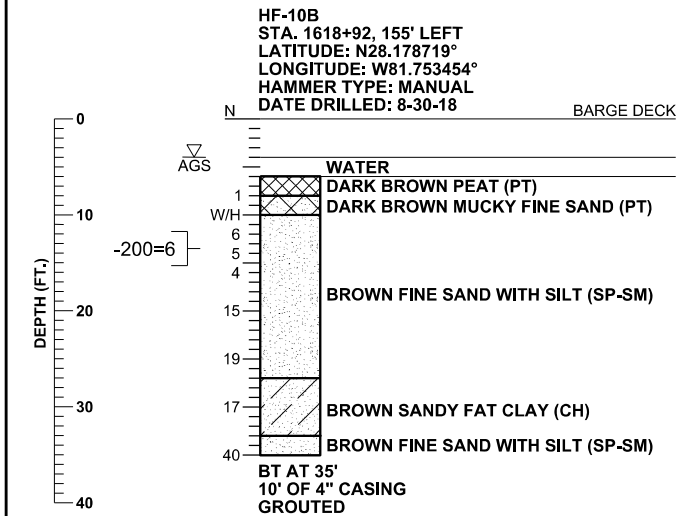
	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
GRANULAR SOILS							
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		245

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

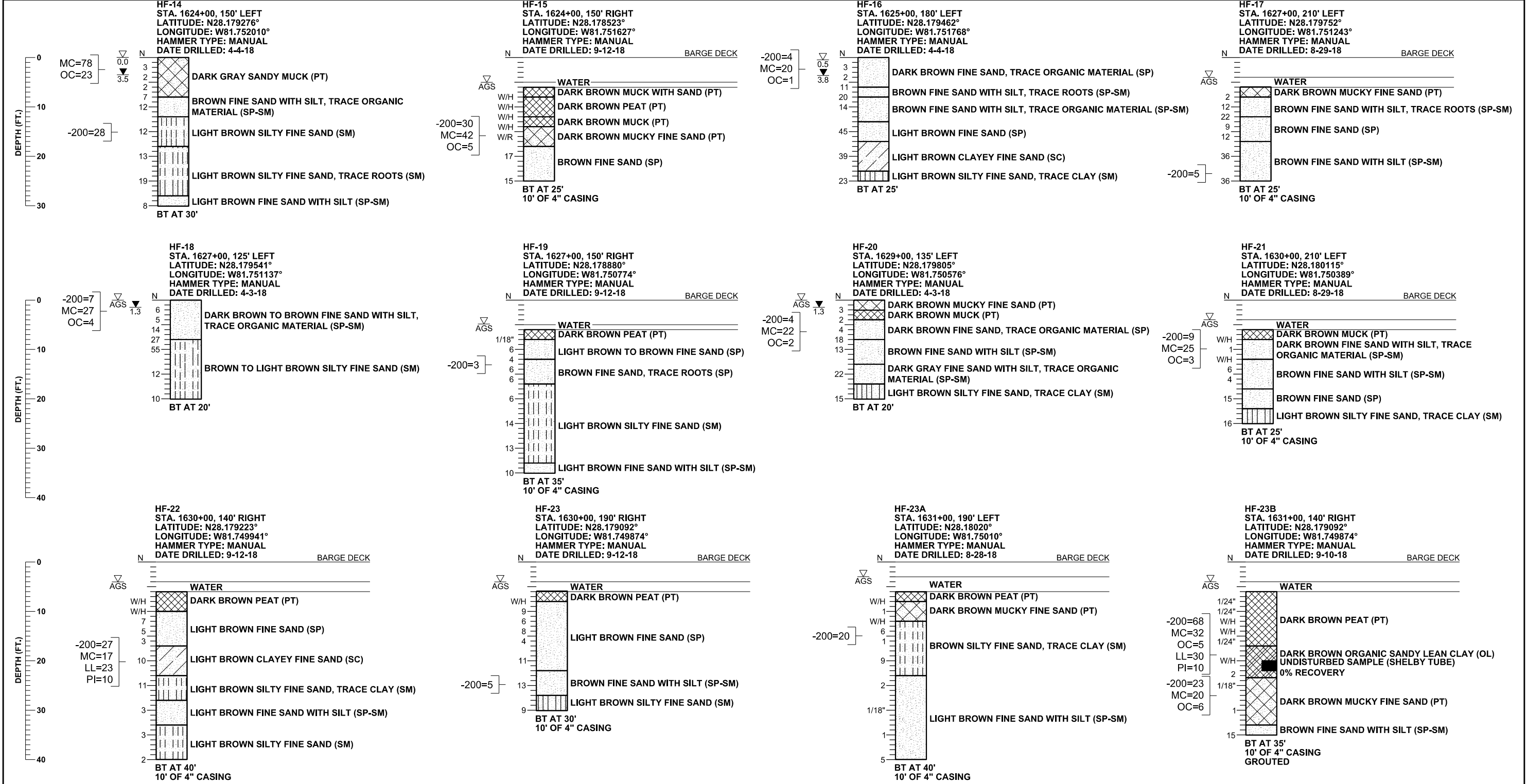
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		246

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



CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

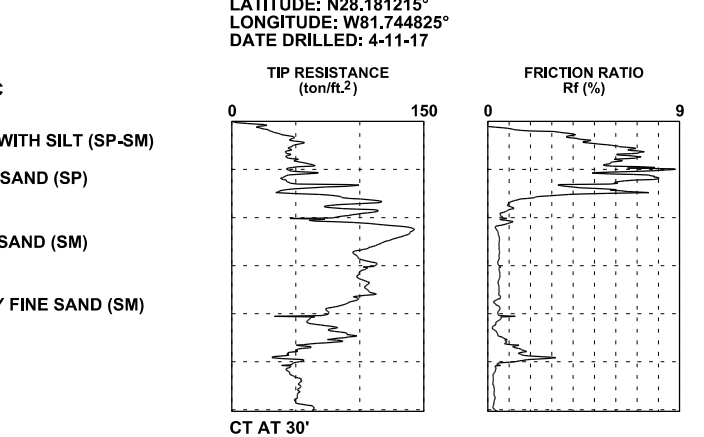
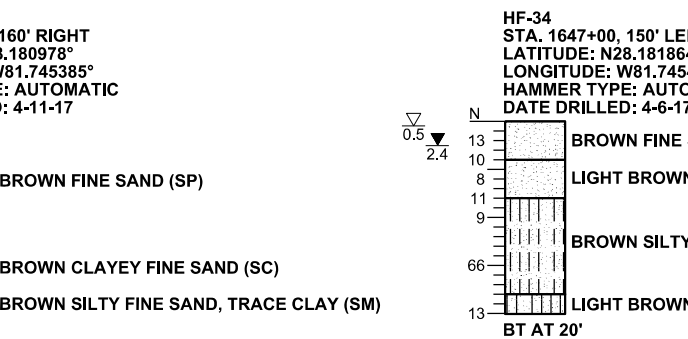
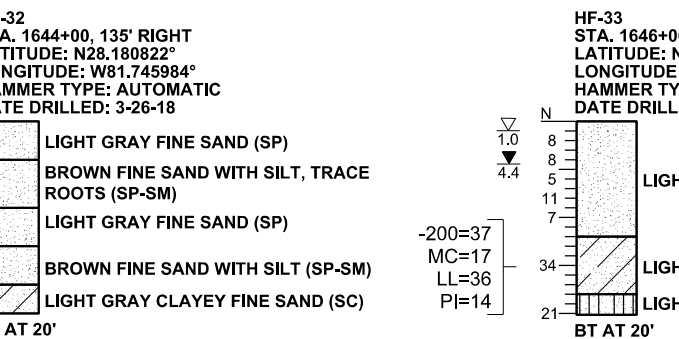
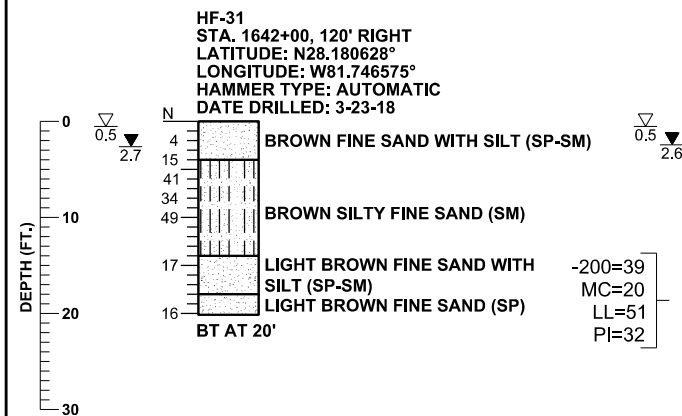
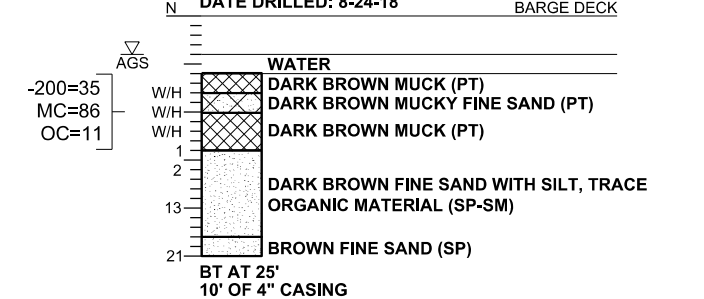
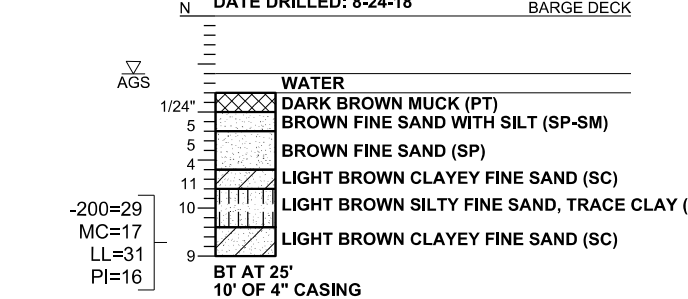
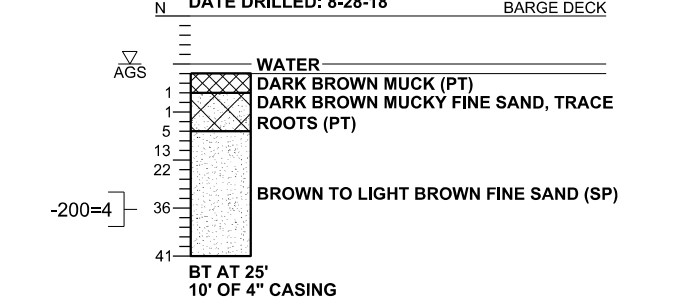
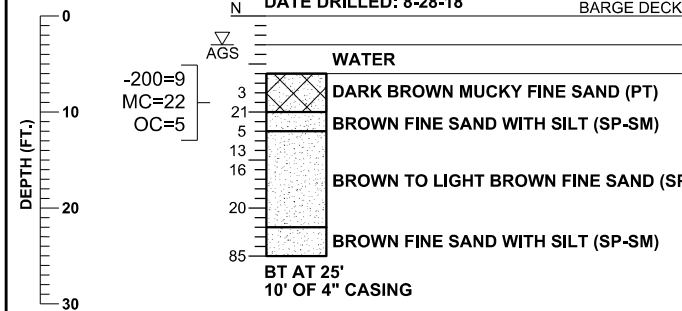
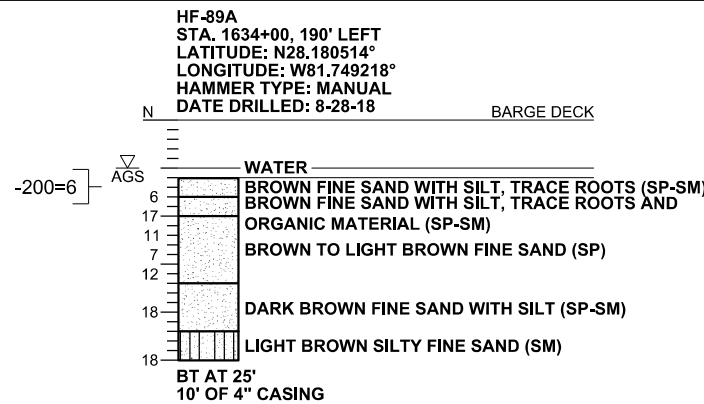
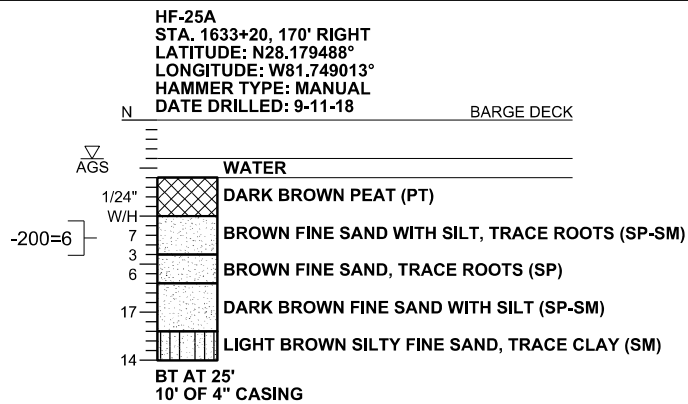
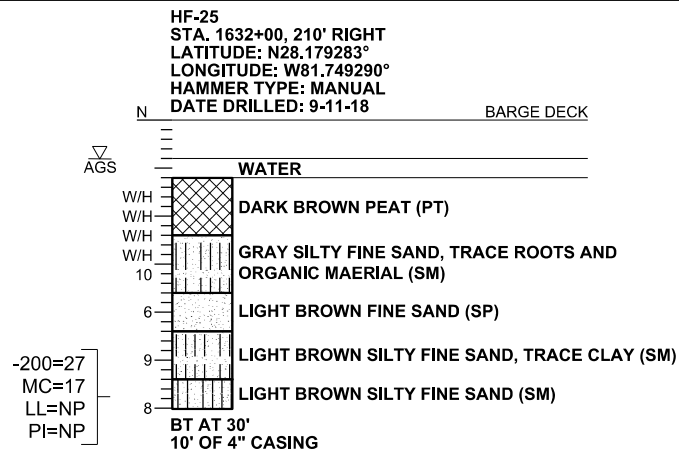
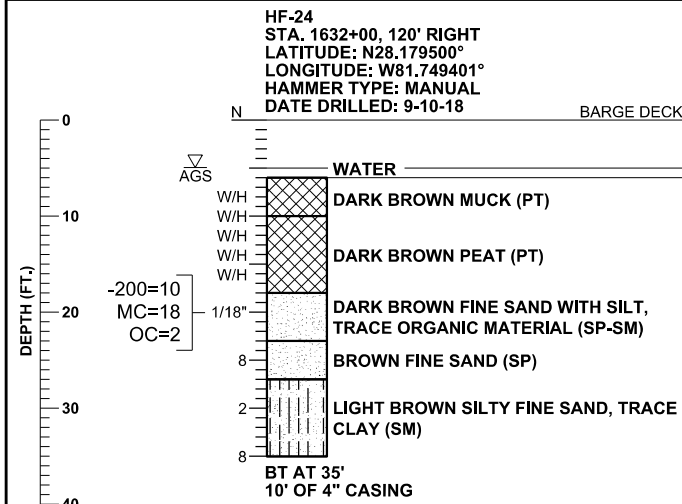
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		247

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



CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

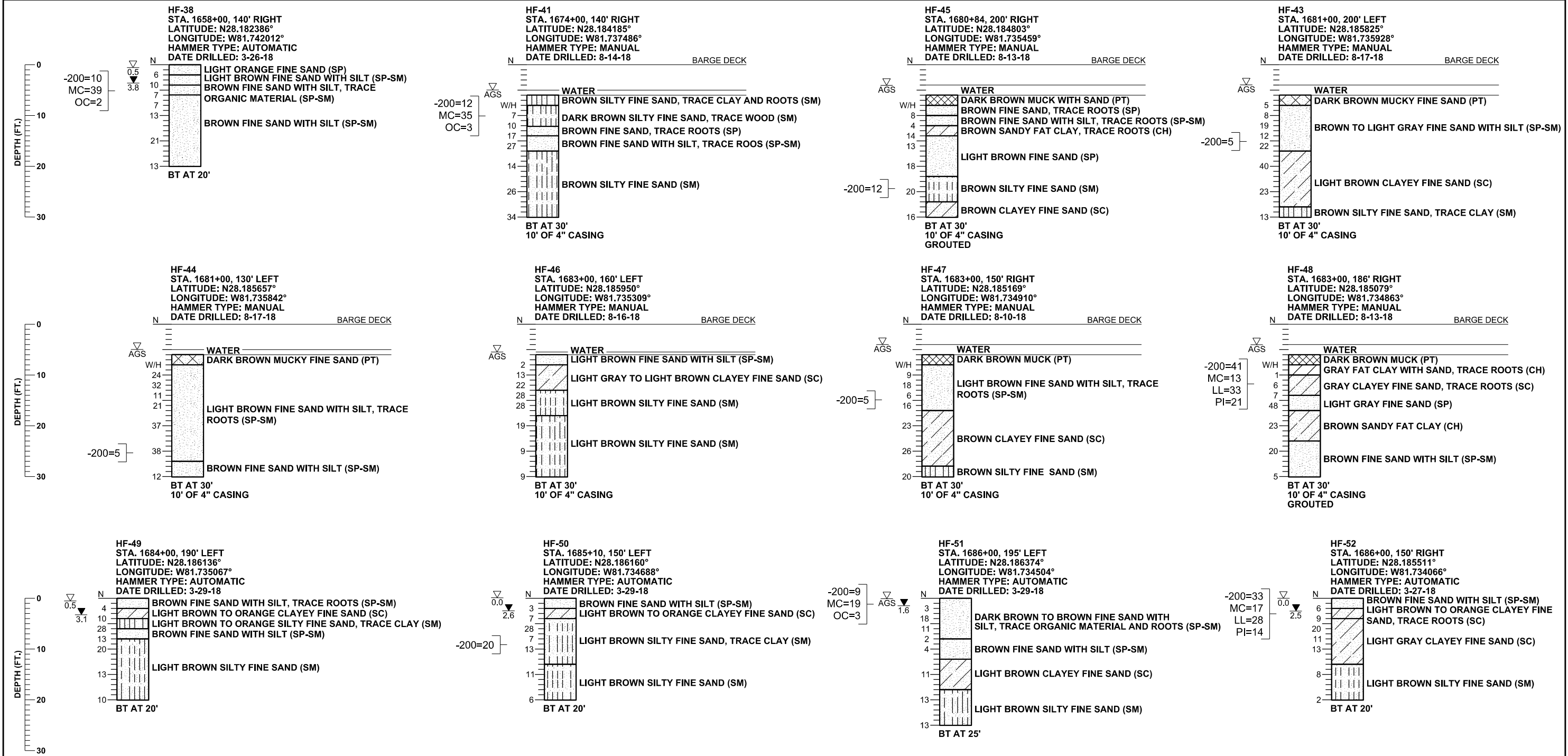
GRANULAR SOILS	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY	NON-GRANULAR SOILS SILTS, CLAYS, MUCK, PEAT	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SANDS	0-4	0-3	VERY LOOSE		0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		248

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

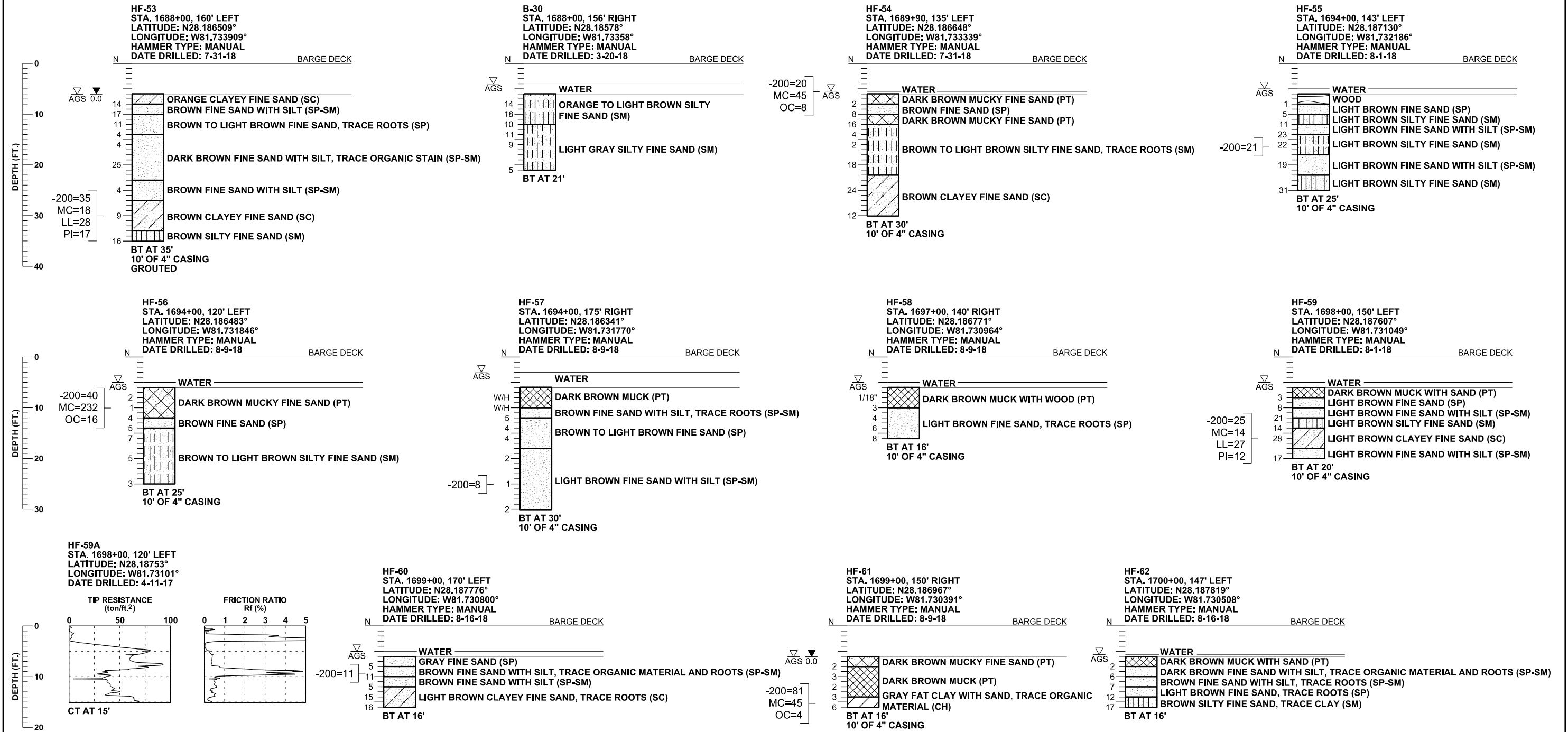
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTIONS: 31, 32
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		249

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

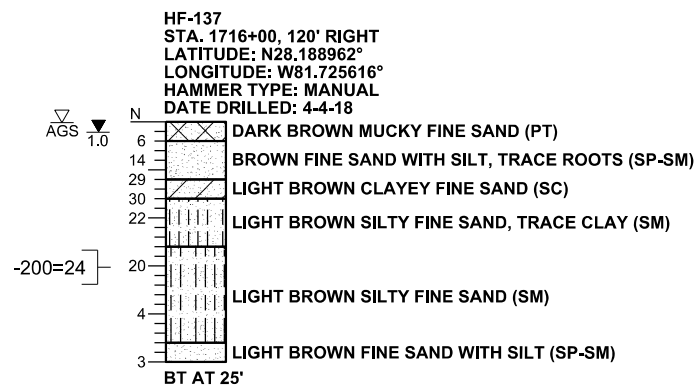
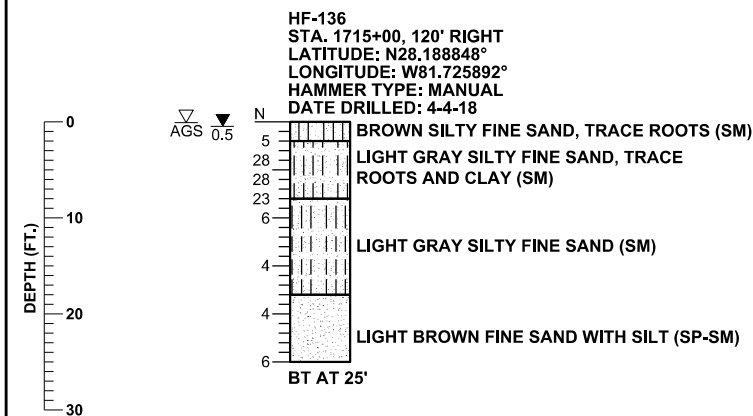
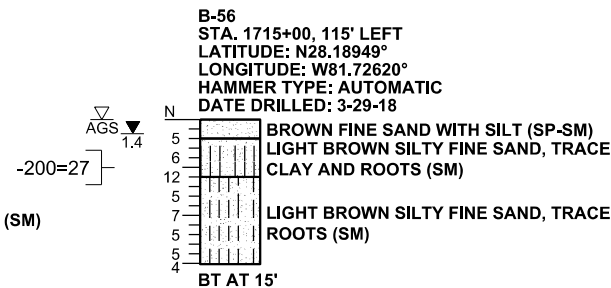
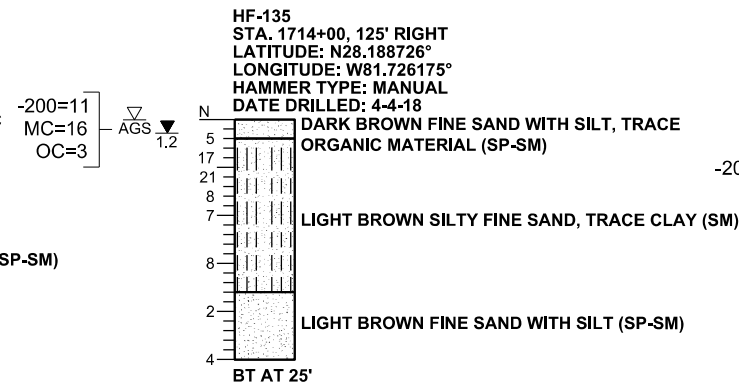
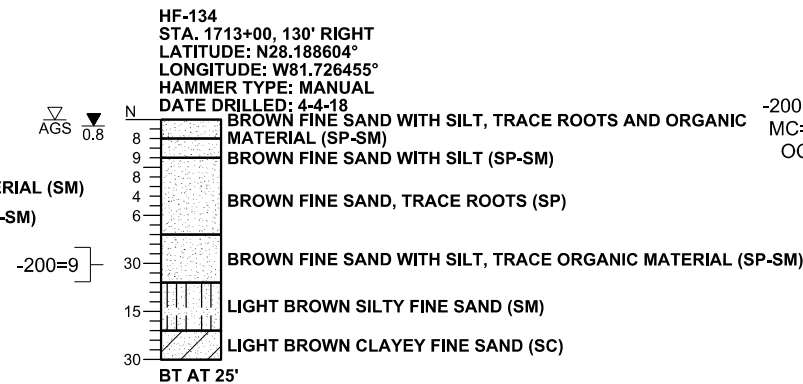
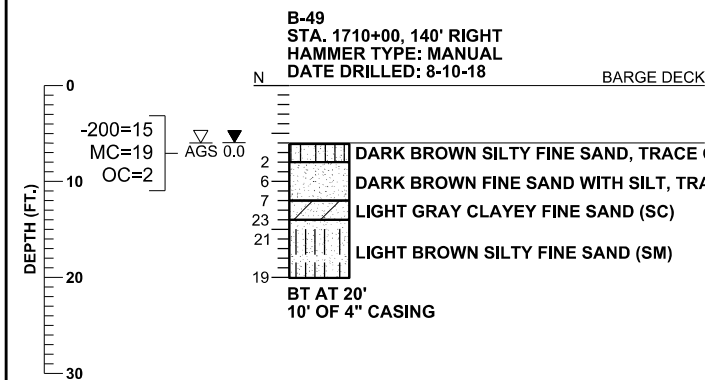
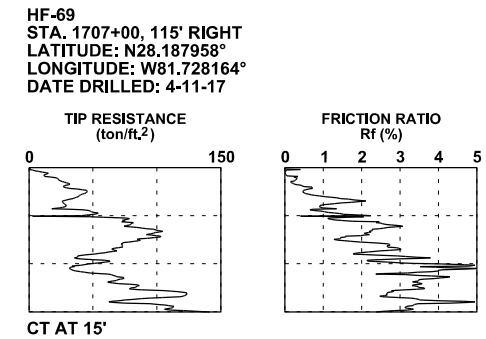
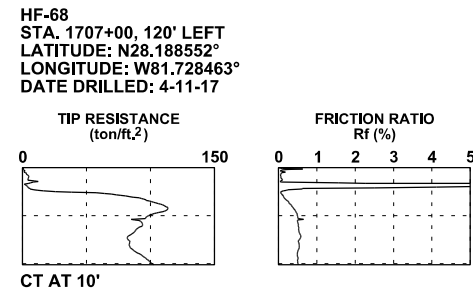
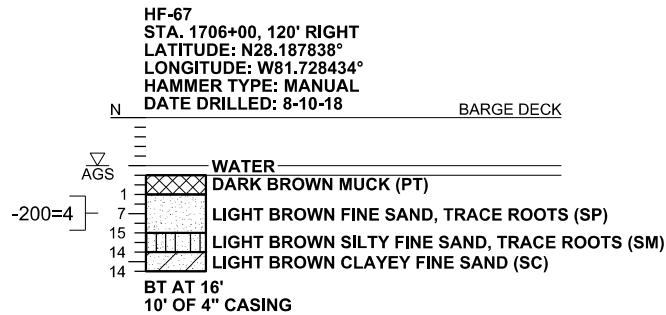
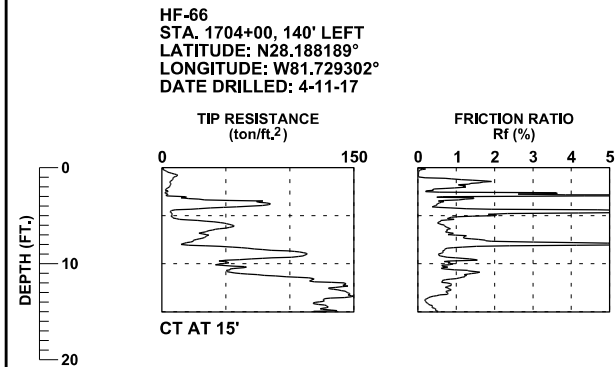
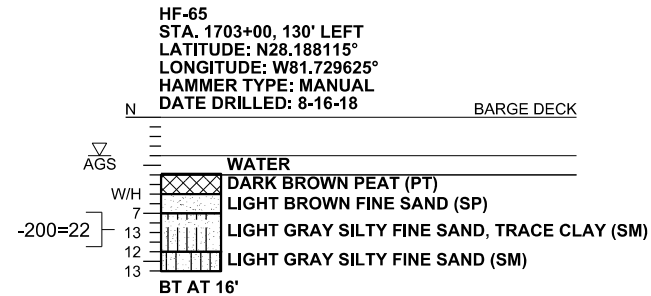
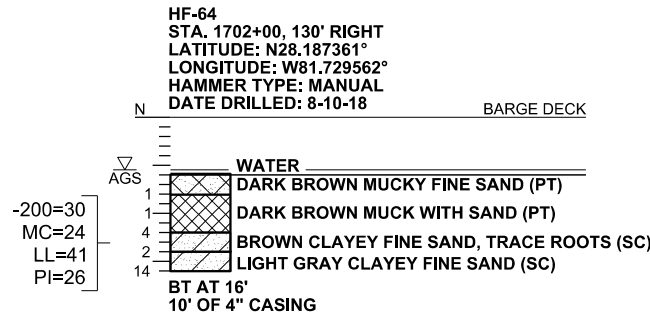
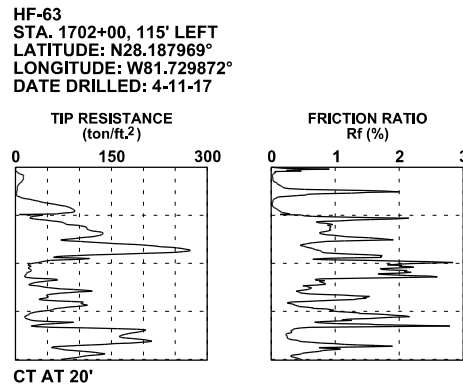
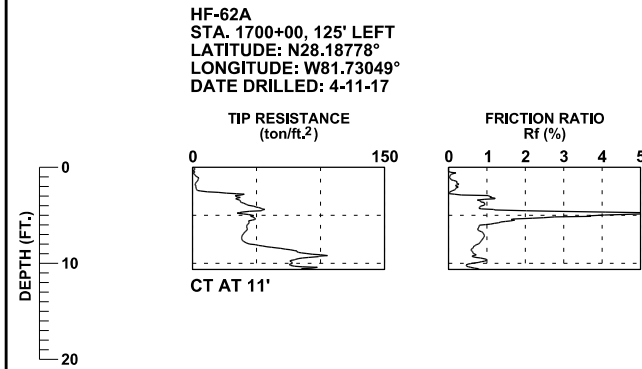
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 29
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		250

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

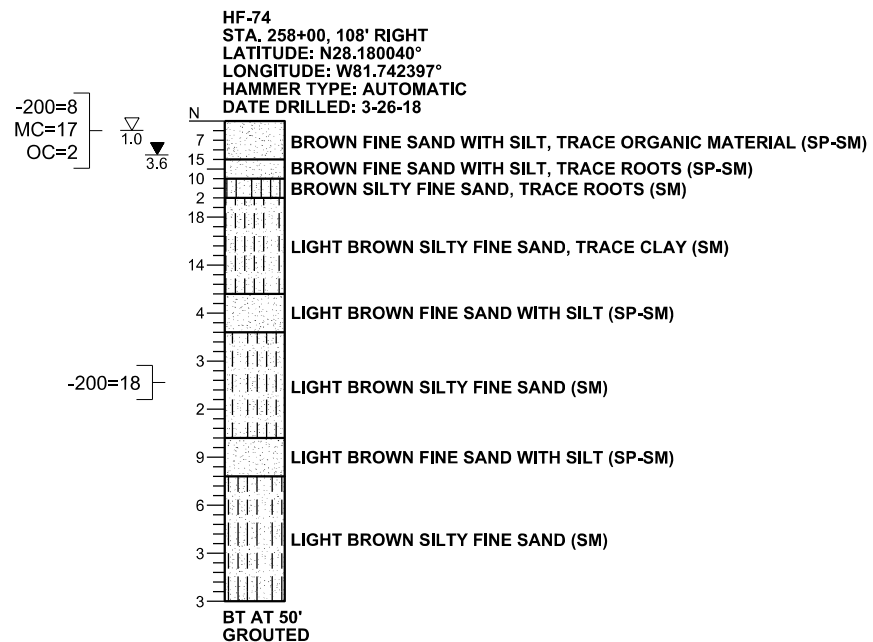
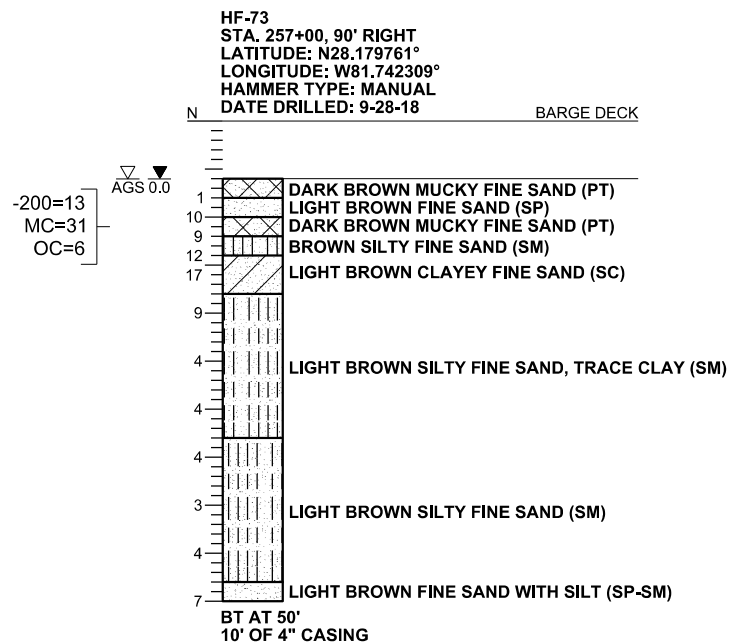
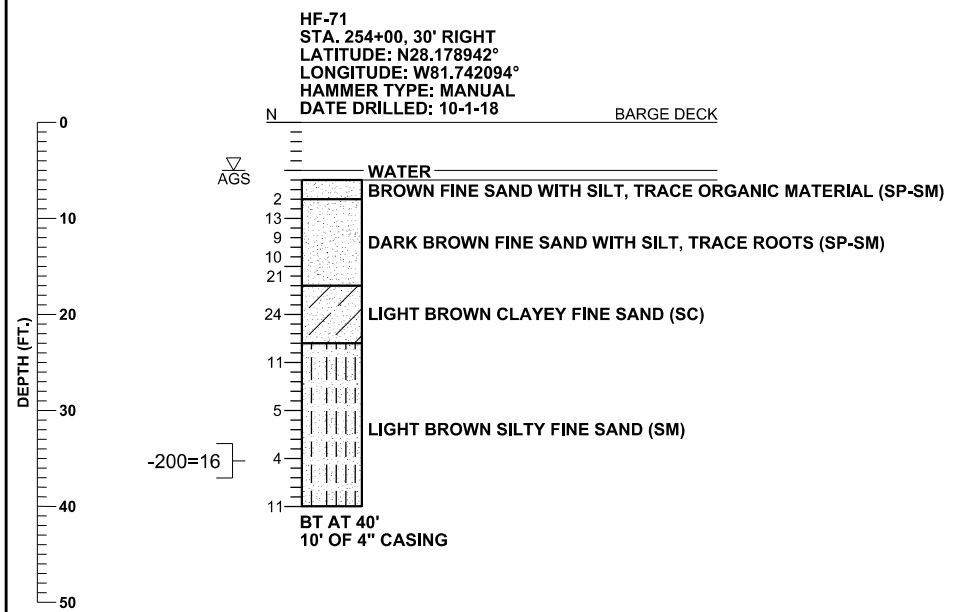
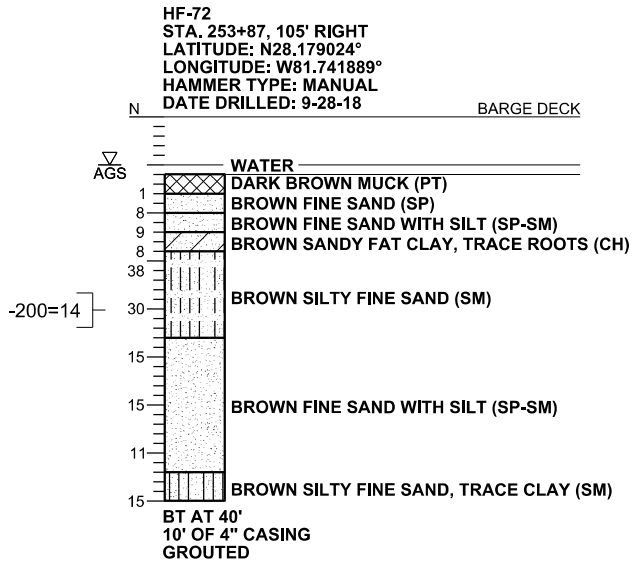
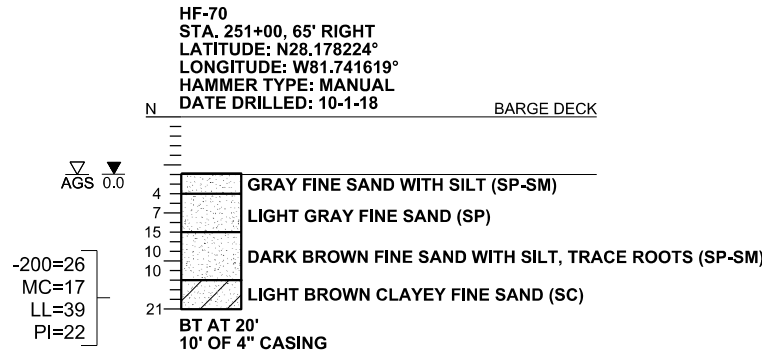
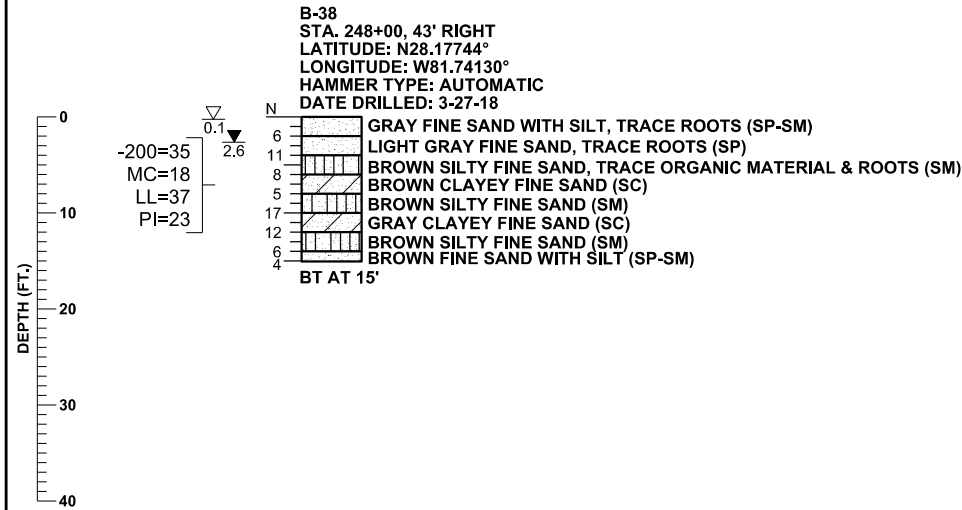
GRANULAR SOILS	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-4	0-3	VERY LOOSE
	4-10	3-8	LOOSE
	10-30	8-24	MEDIUM DENSE
	30-50	24-40	DENSE
	OVER 50	OVER 40	VERY DENSE
NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY) N VALUE (blows per foot)	AUTOMATIC HAMMER N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	2-4	1-3	SOFT
	4-8	3-6	FIRM
	8-15	6-12	STIFF
	15-30	12-24	VERY STIFF
	OVER 30	OVER 24	HARD

SECTION: 29
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

I-4 MAINLINE

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO. 251
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

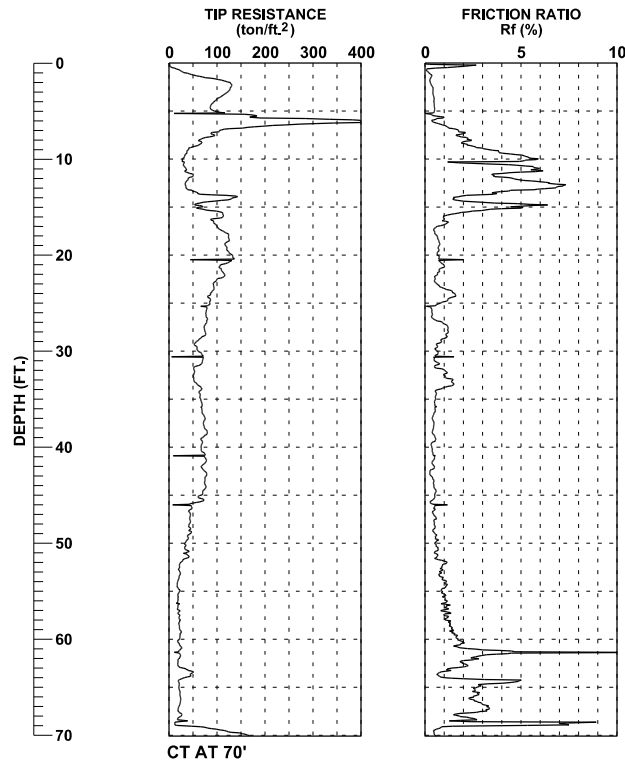
SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

SR 557

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		252

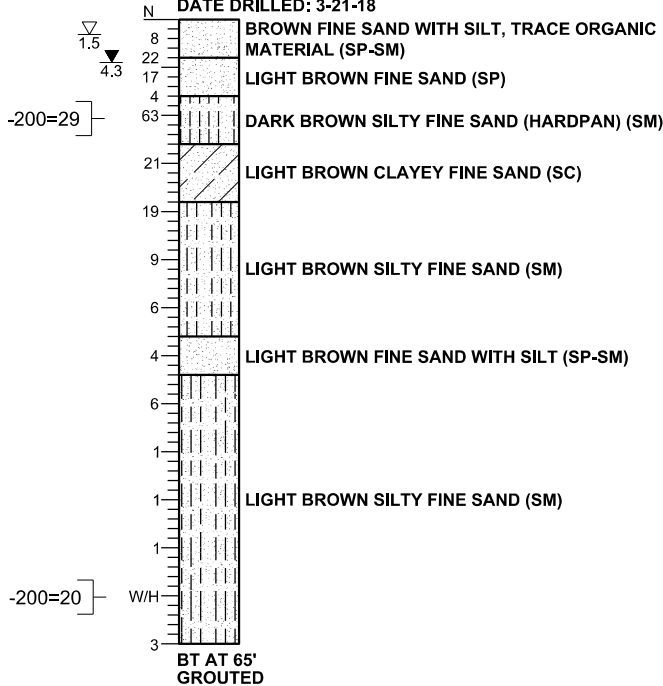
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

HF-75
STA. 259+00, 75' RIGHT
LATITUDE: N28.18024°
LONGITUDE: W81.74262°
DATE DRILLED: 4-11-17

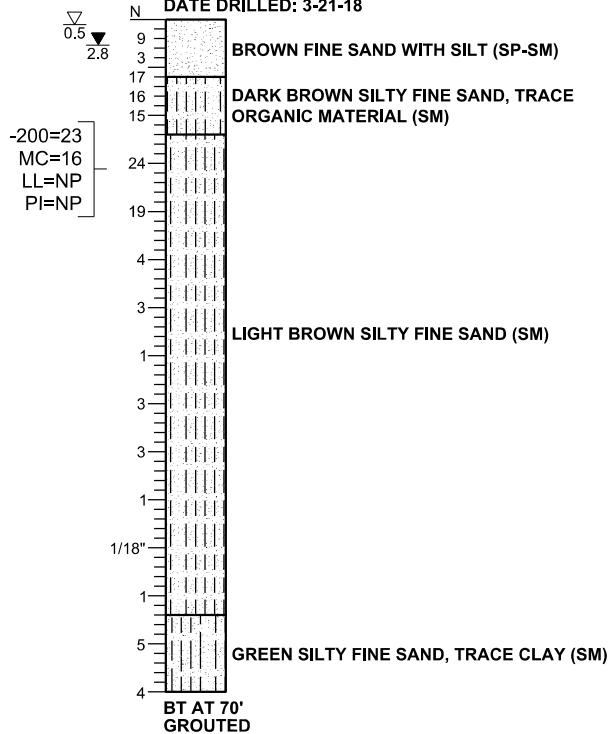


CT AT 70'

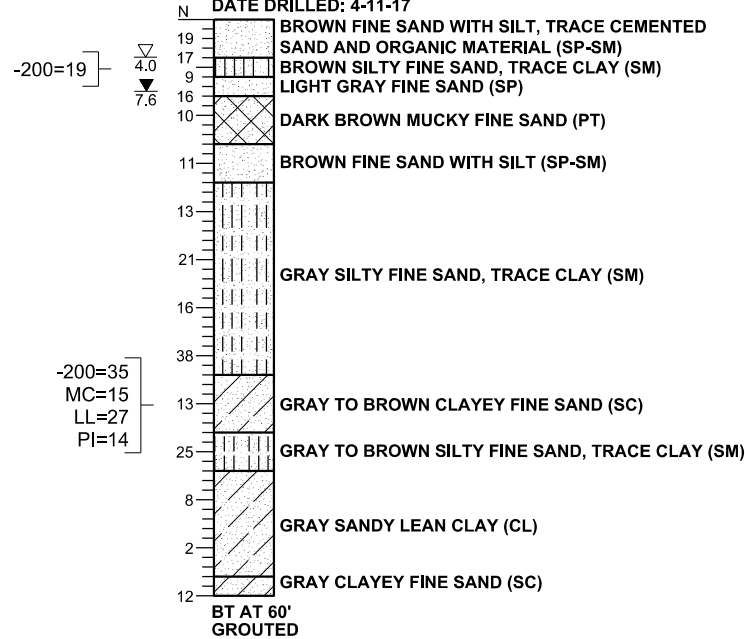
HF-76
STA. 260+00, 90' LEFT
LATITUDE: N28.180313°
LONGITUDE: W81.743199°
HAMMER TYPE: AUTOMATIC
DATE DRILLED: 3-21-18



HF-77
STA. 261+00, 130' LEFT
LATITUDE: N28.180516°
LONGITUDE: W81.7443439°
HAMMER TYPE: AUTOMATIC
DATE DRILLED: 3-21-18



HF-78
STA. 261+00, 165' RIGHT
LATITUDE: N28.180851°
LONGITUDE: W81.742608°
HAMMER TYPE: AUTOMATIC
DATE DRILLED: 4-11-17



CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

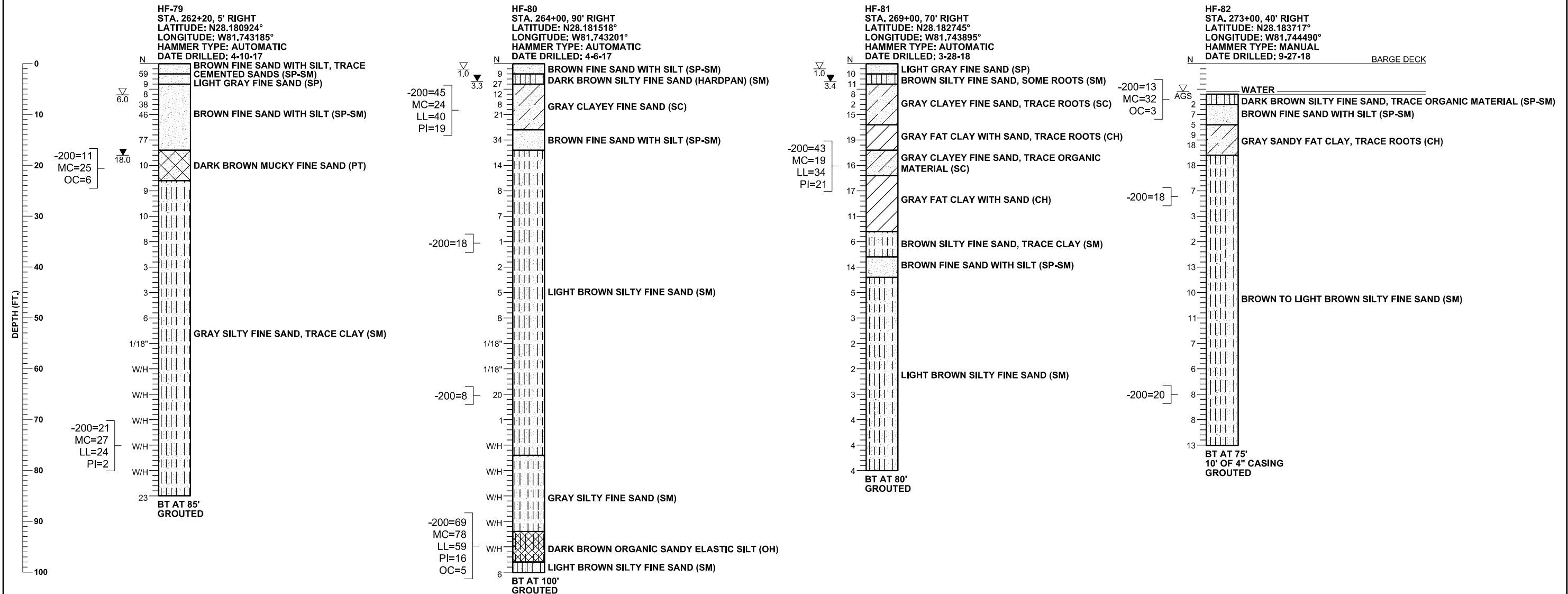
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

SR 557

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		253

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

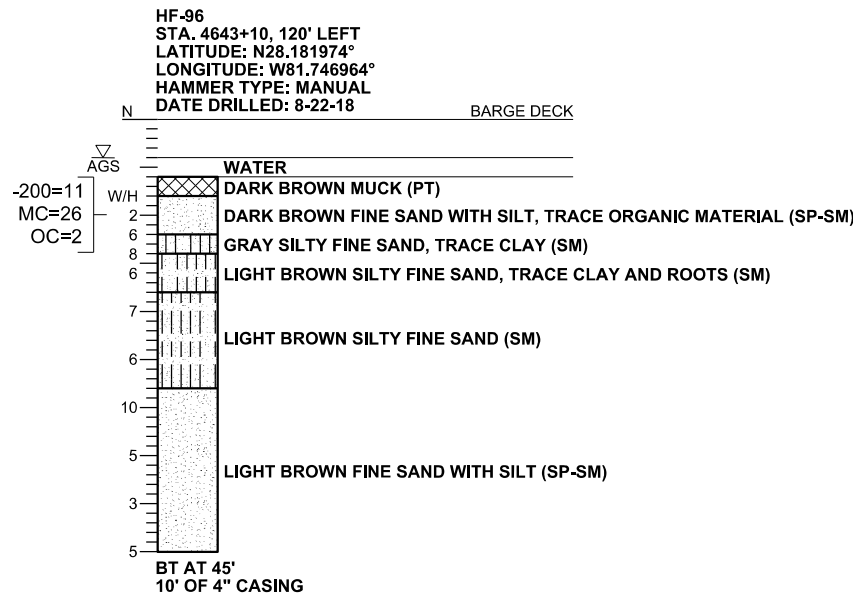
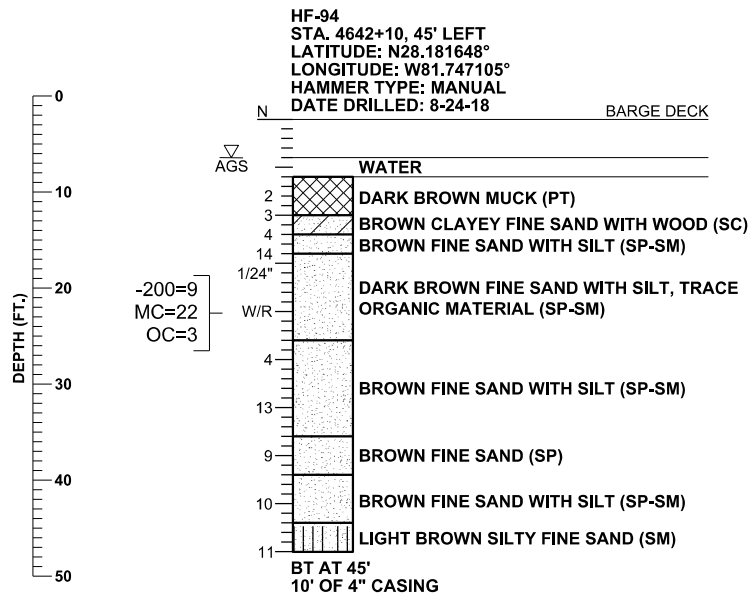
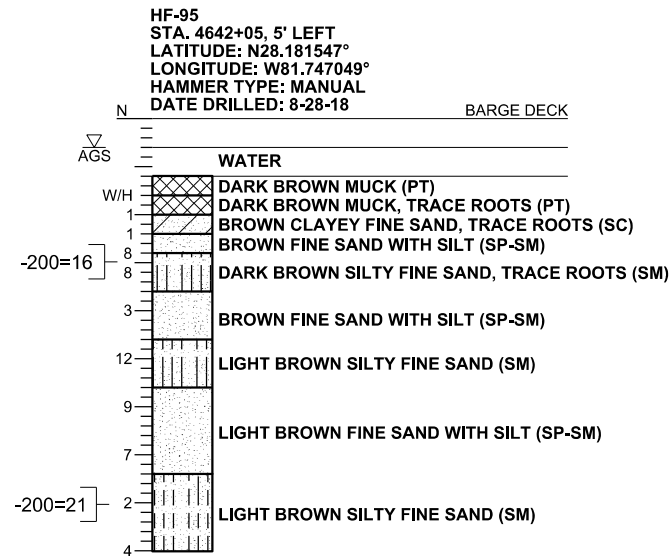
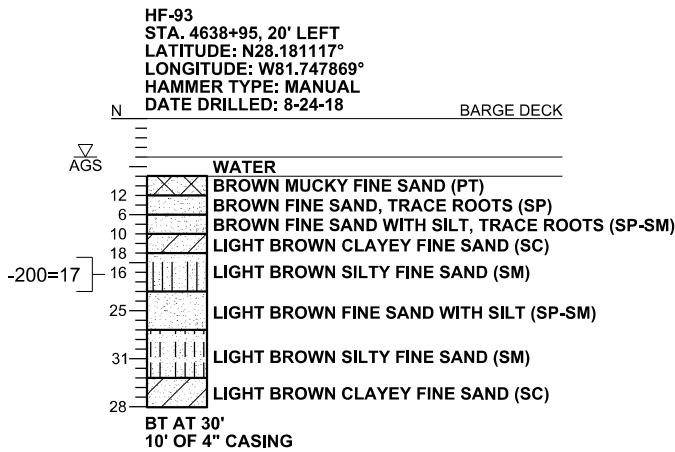
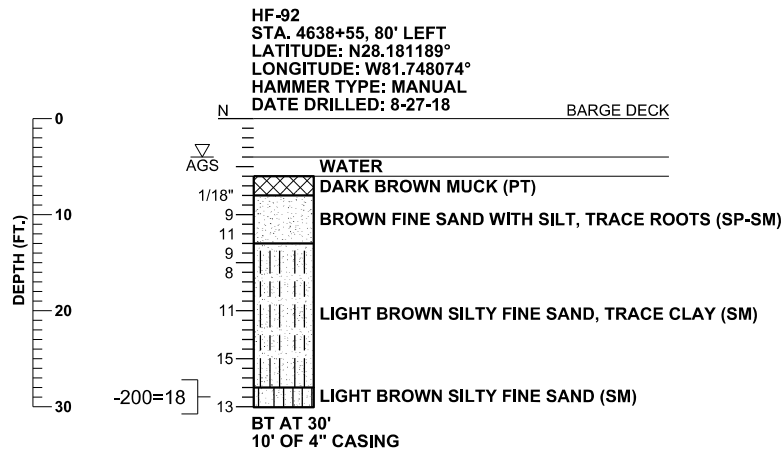


CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		254



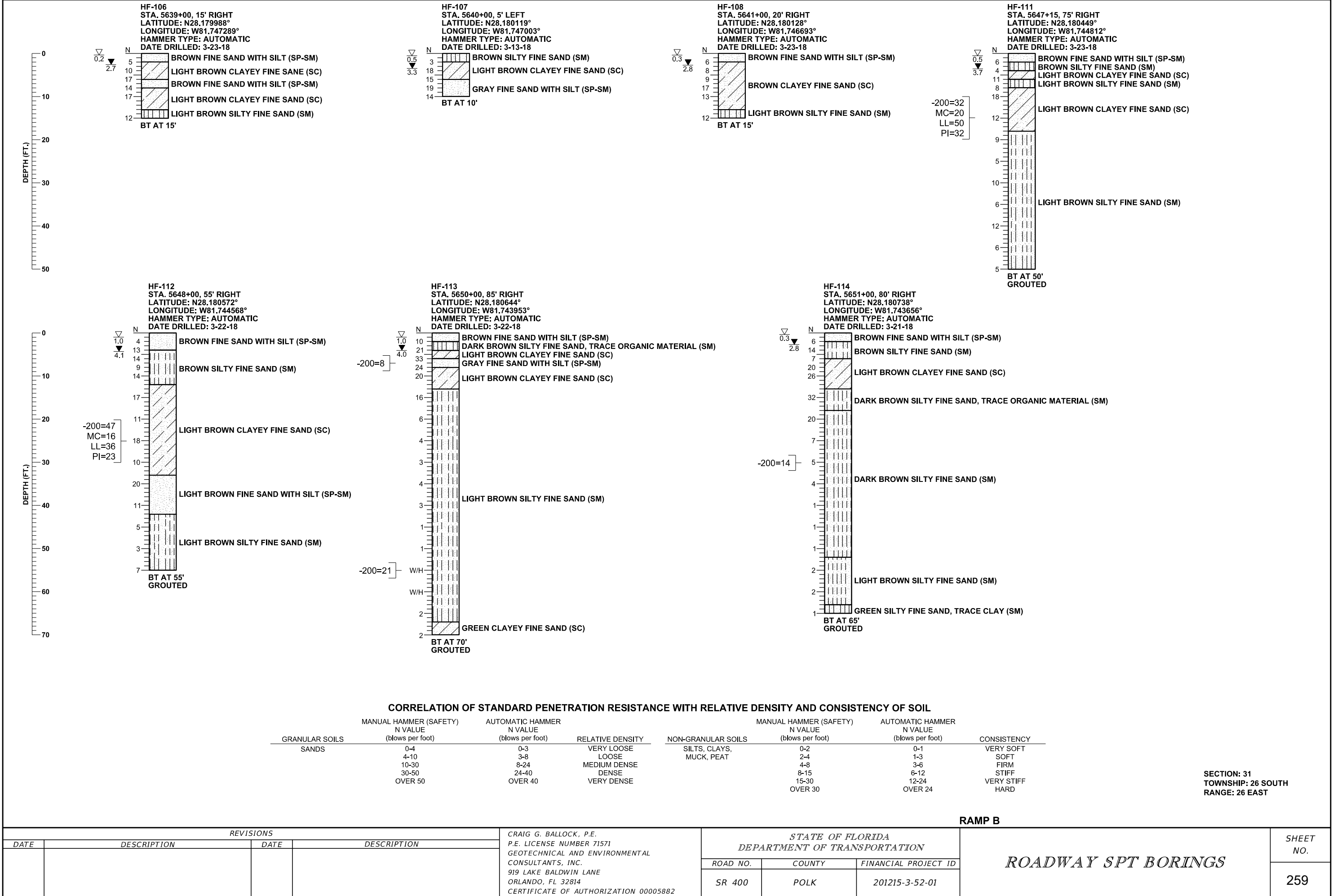
CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

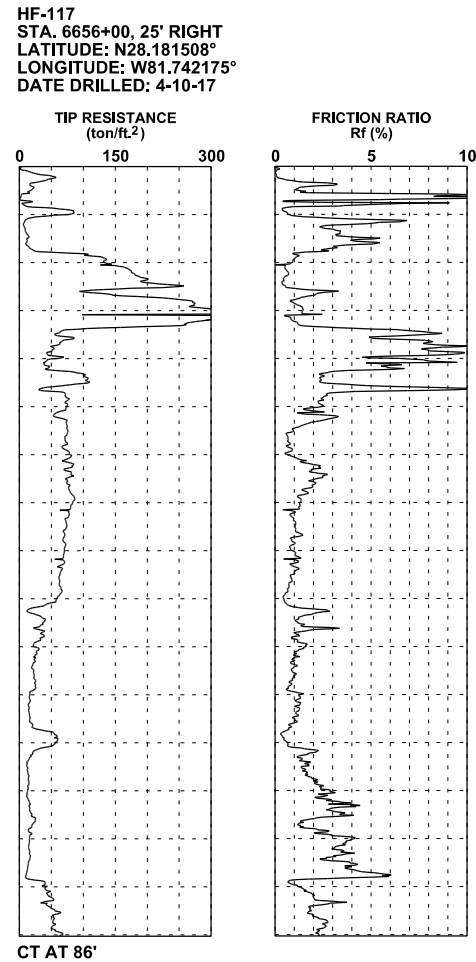
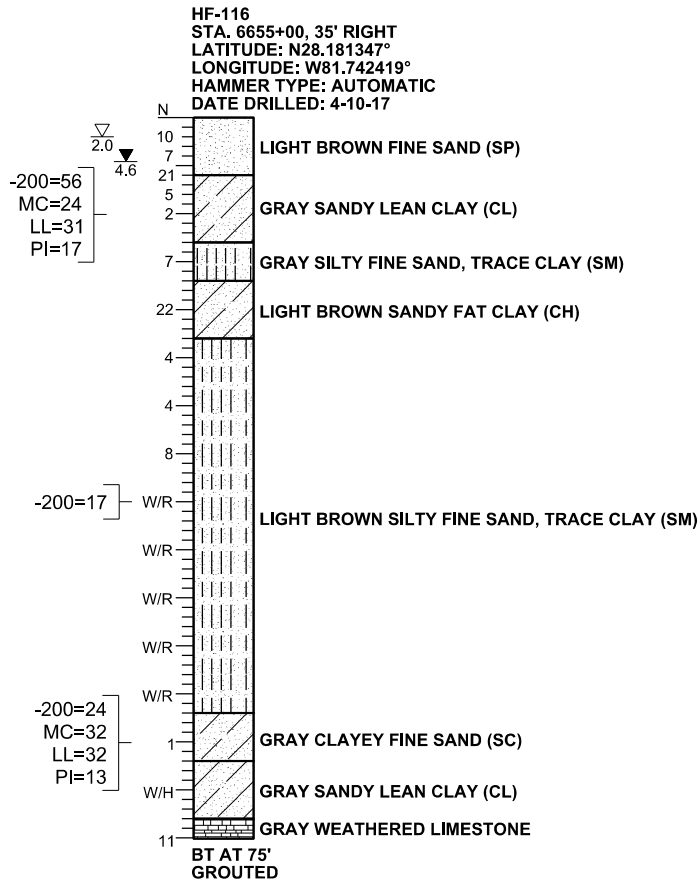
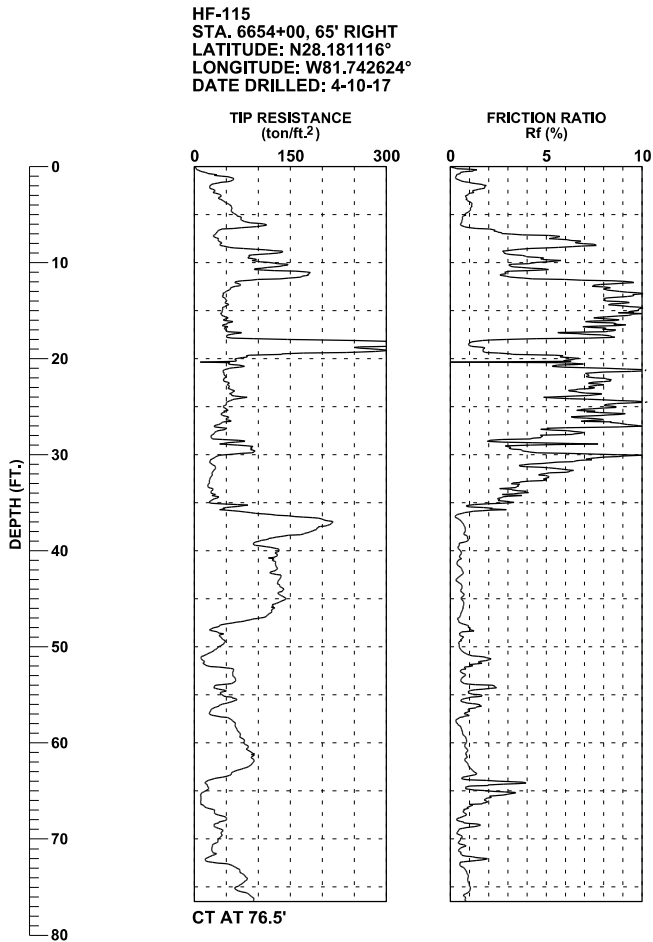
GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

RAMP A

REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		256



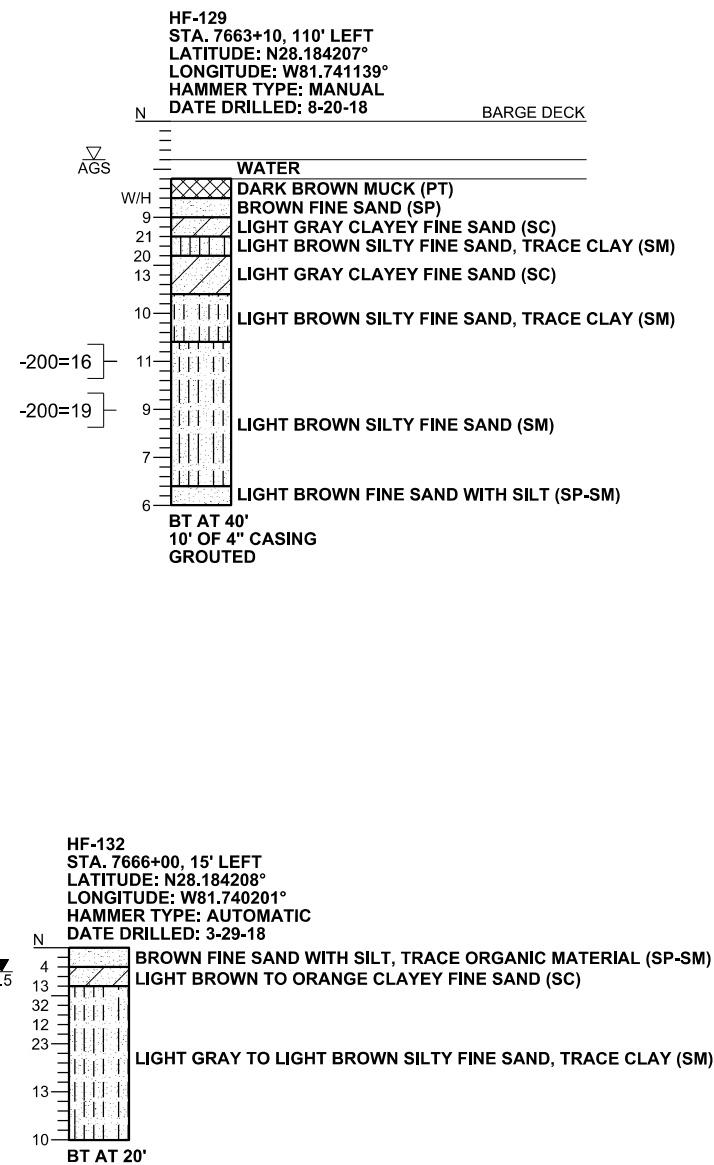
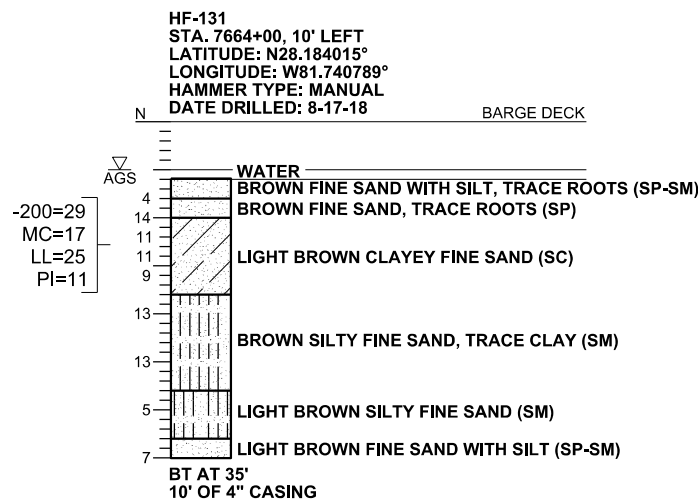
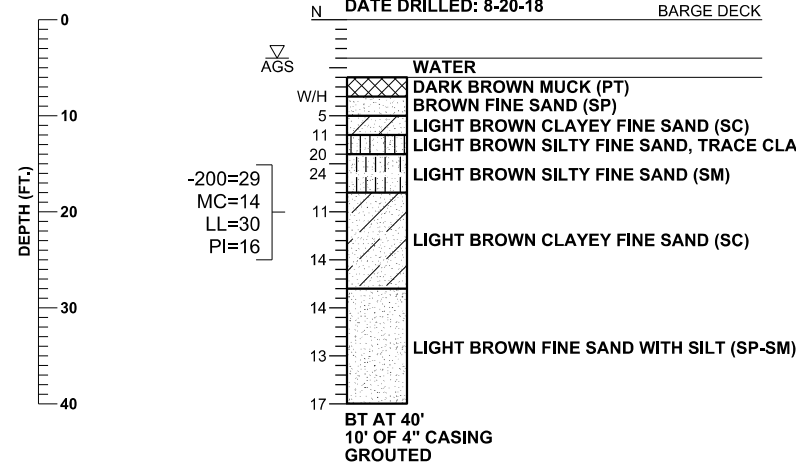


CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	RELATIVE DENSITY	NON-GRANULAR SOILS	MANUAL HAMMER (SAFETY)	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)			N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE	SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	4-10	3-8	LOOSE		2-4	1-3	SOFT
	10-30	8-24	MEDIUM DENSE		4-8	3-6	FIRM
	30-50	24-40	DENSE		8-15	6-12	STIFF
	OVER 50	OVER 40	VERY DENSE		15-30	12-24	VERY STIFF
					OVER 30	OVER 24	HARD

SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

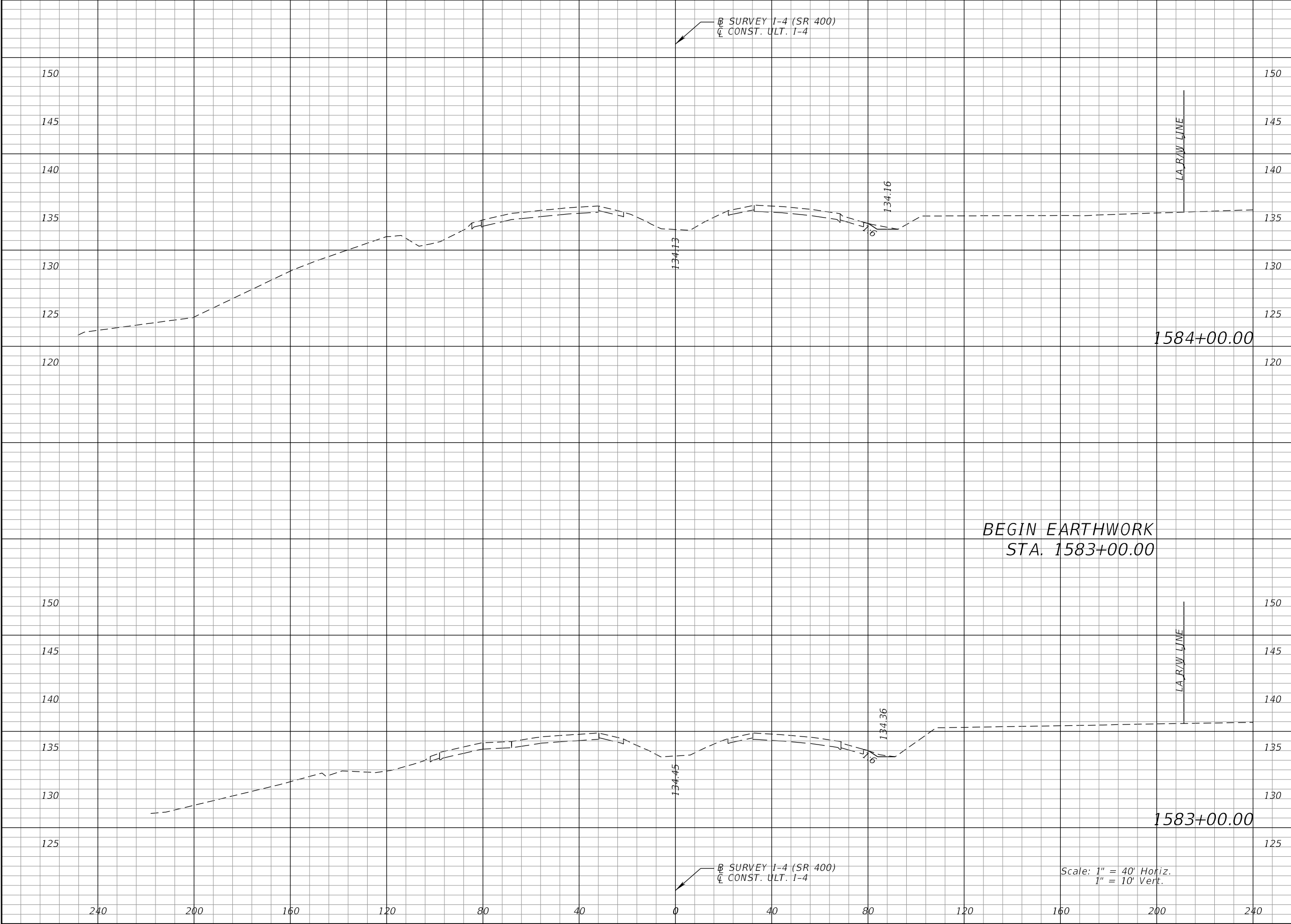
REVISIONS				CRAIG G. BALLOCK, P.E. P.E. LICENSE NUMBER 71571 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 CERTIFICATE OF AUTHORIZATION 00005882	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SPT BORINGS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	260	



SECTION: 31
TOWNSHIP: 26 SOUTH
RANGE: 26 EAST

ROADWAY SPT BORINGS

261

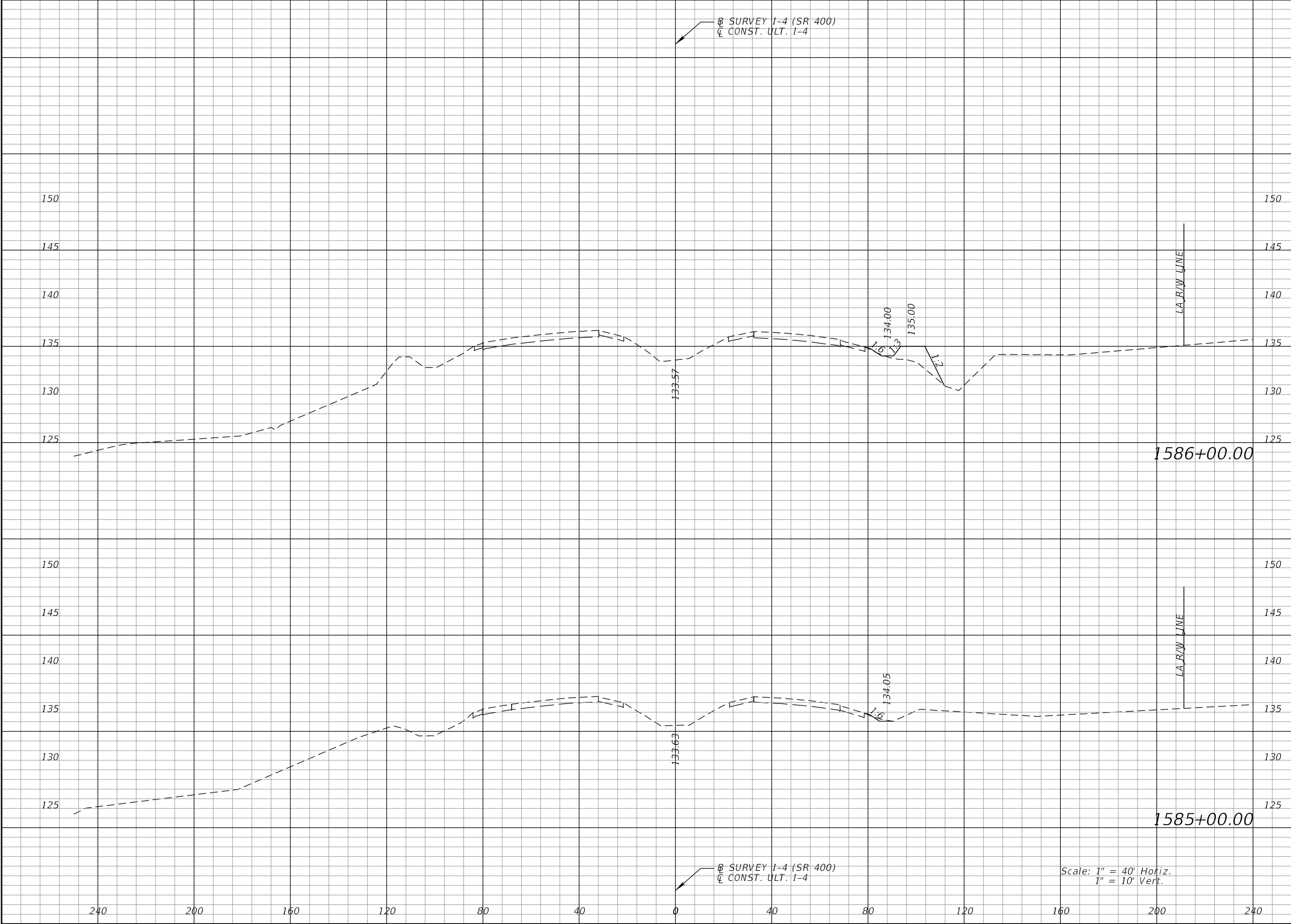


BEGIN EARTHWORK
STA. 1583+00.00

Scale: 1" = 40' Horiz.
1" = 10' Vert.

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 262
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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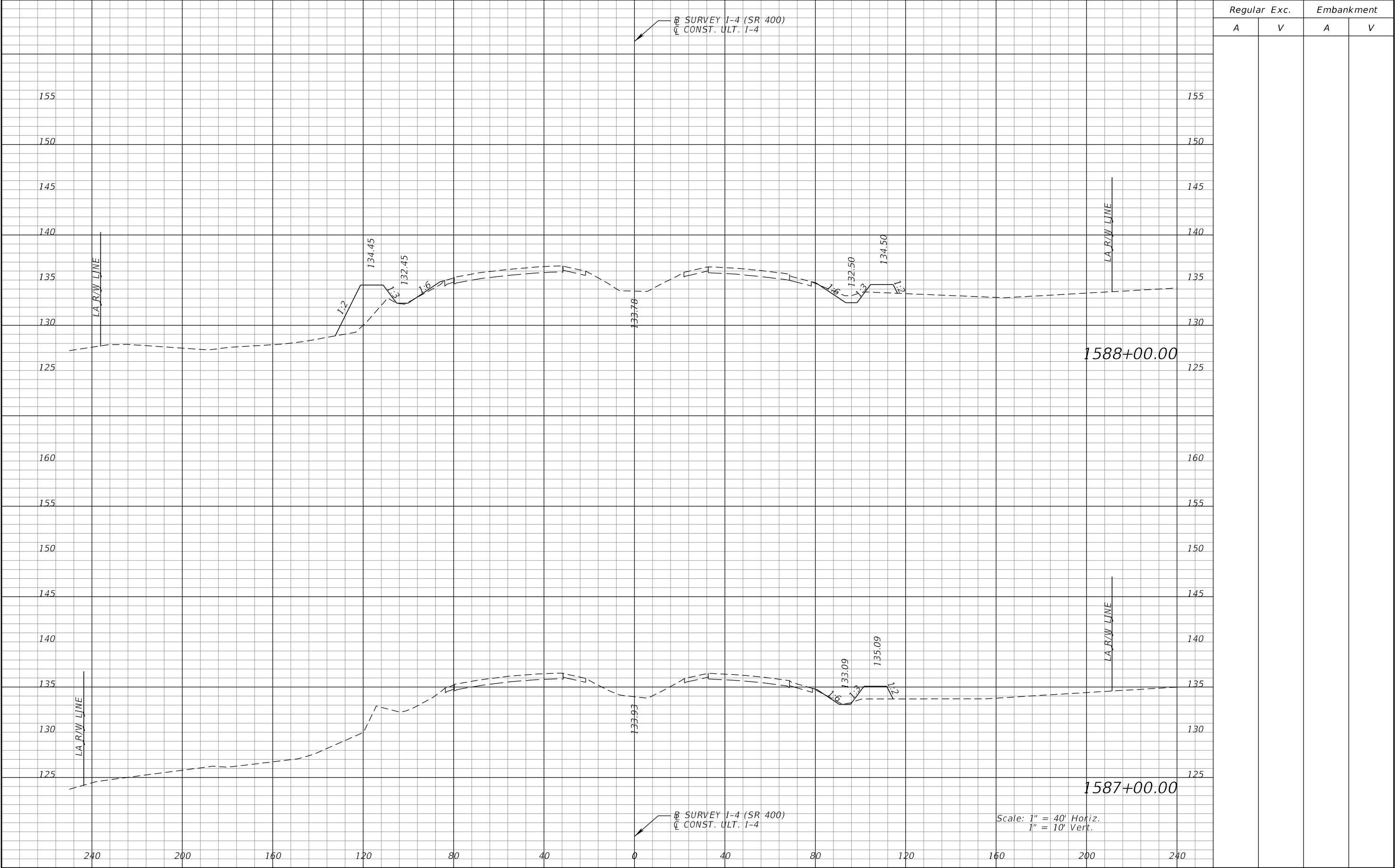
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

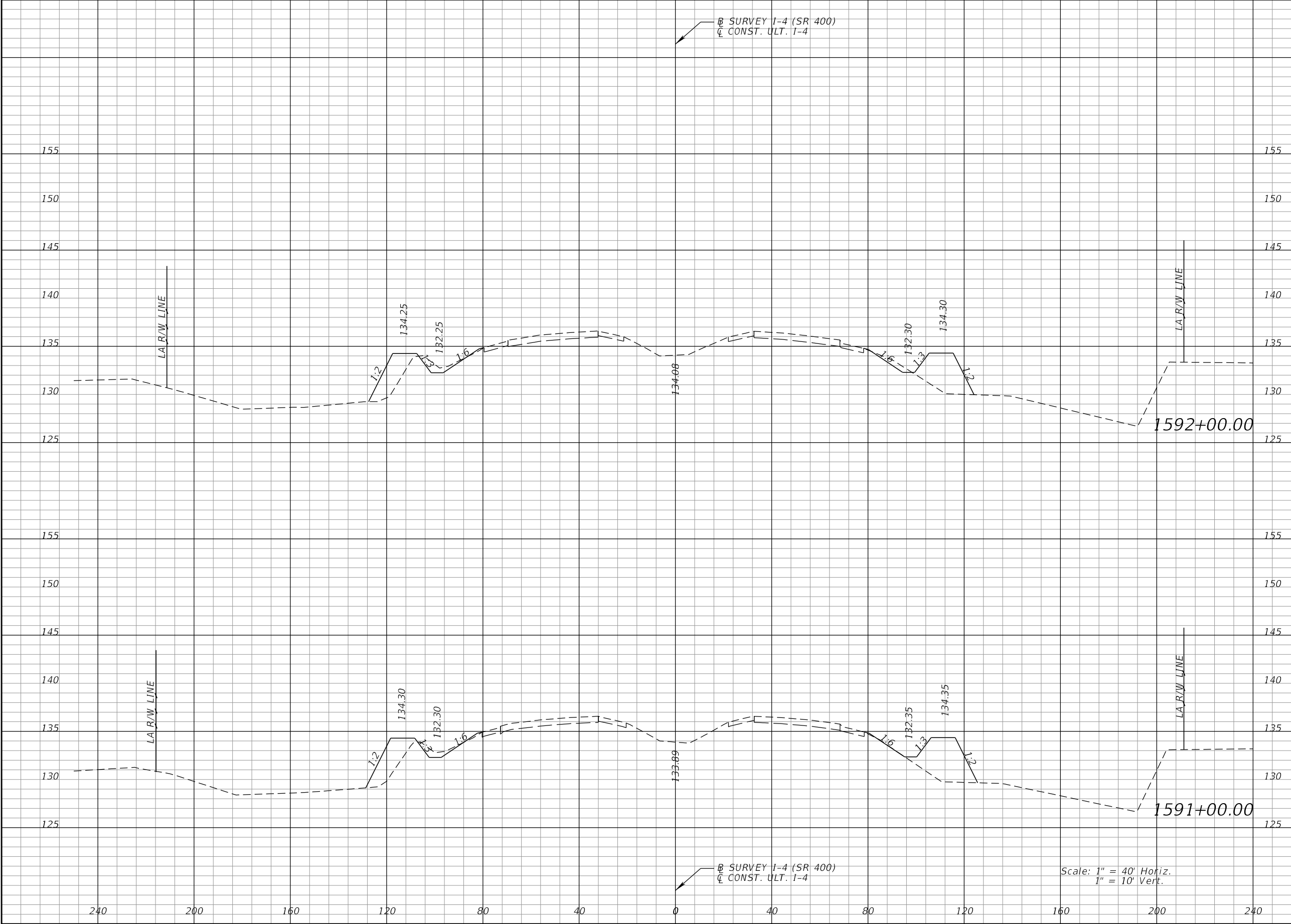
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 263
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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



REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 264
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

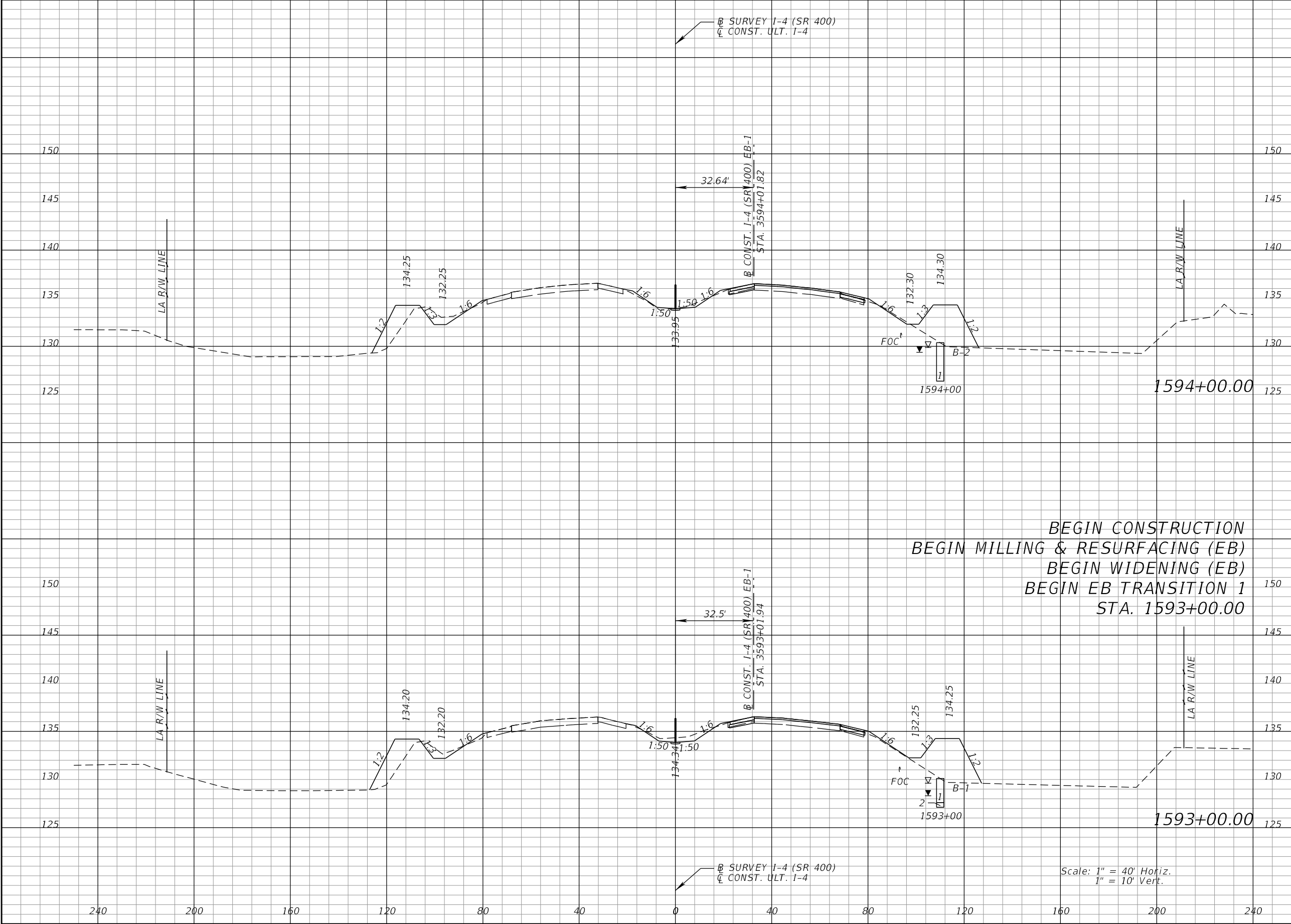
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 266
DATE	DESCRIPTION	DATE	DESCRIPTION						
				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794			ROAD NO. COUNTY FINANCIAL PROJECT ID		
							SR 400 POLK 201215-3-52-01		

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



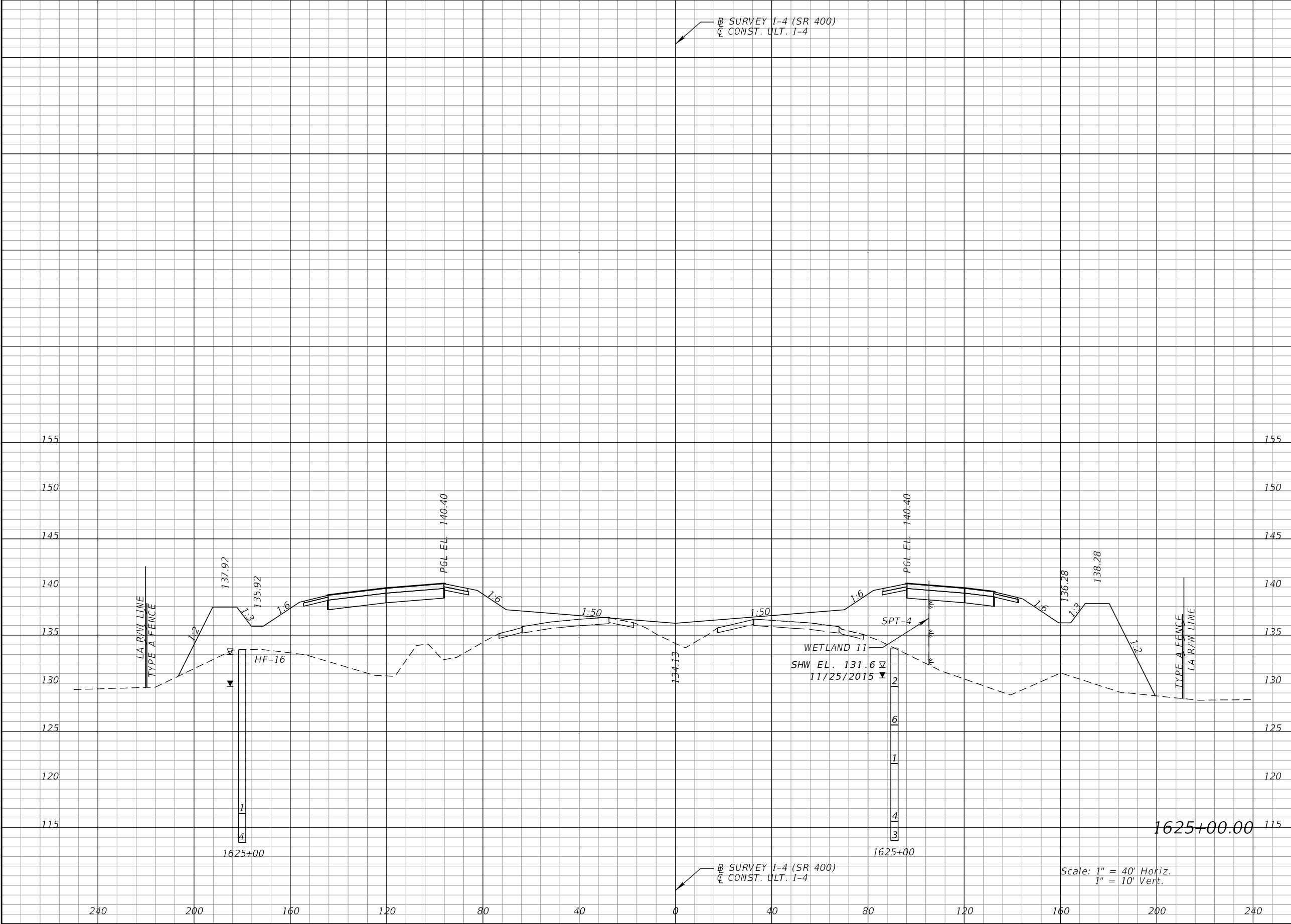
BEGIN CONSTRUCTION
BEGIN MILLING & RESURFACING (EB)
BEGIN WIDENING (EB)
BEGIN EB TRANSITION 1
STA. 1593+00.00

Scale: 1" = 40' Horiz.
1" = 10' Vert.

Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

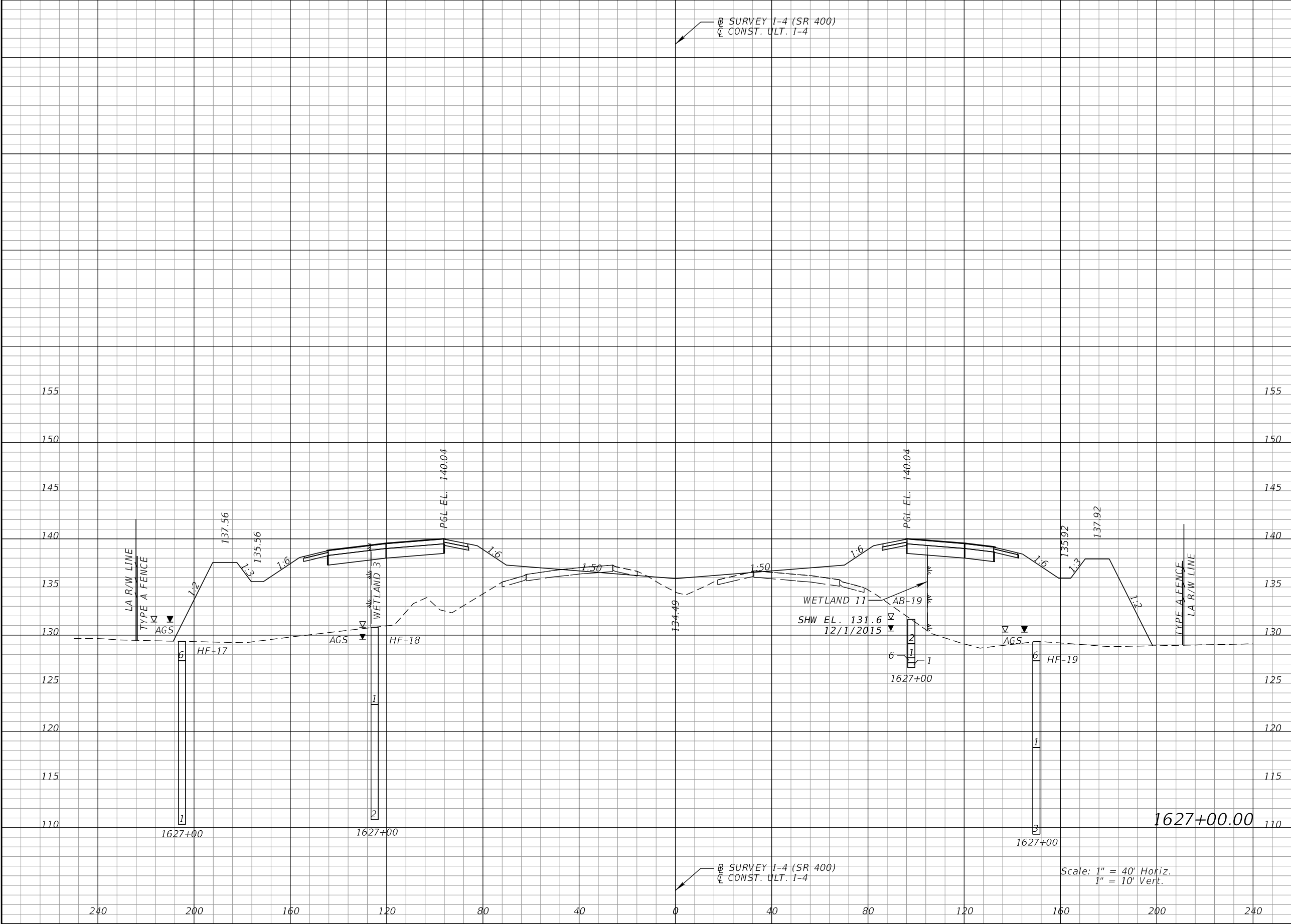
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	V	A	V

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794			SR 400 POLK 201215-3-52-01		293

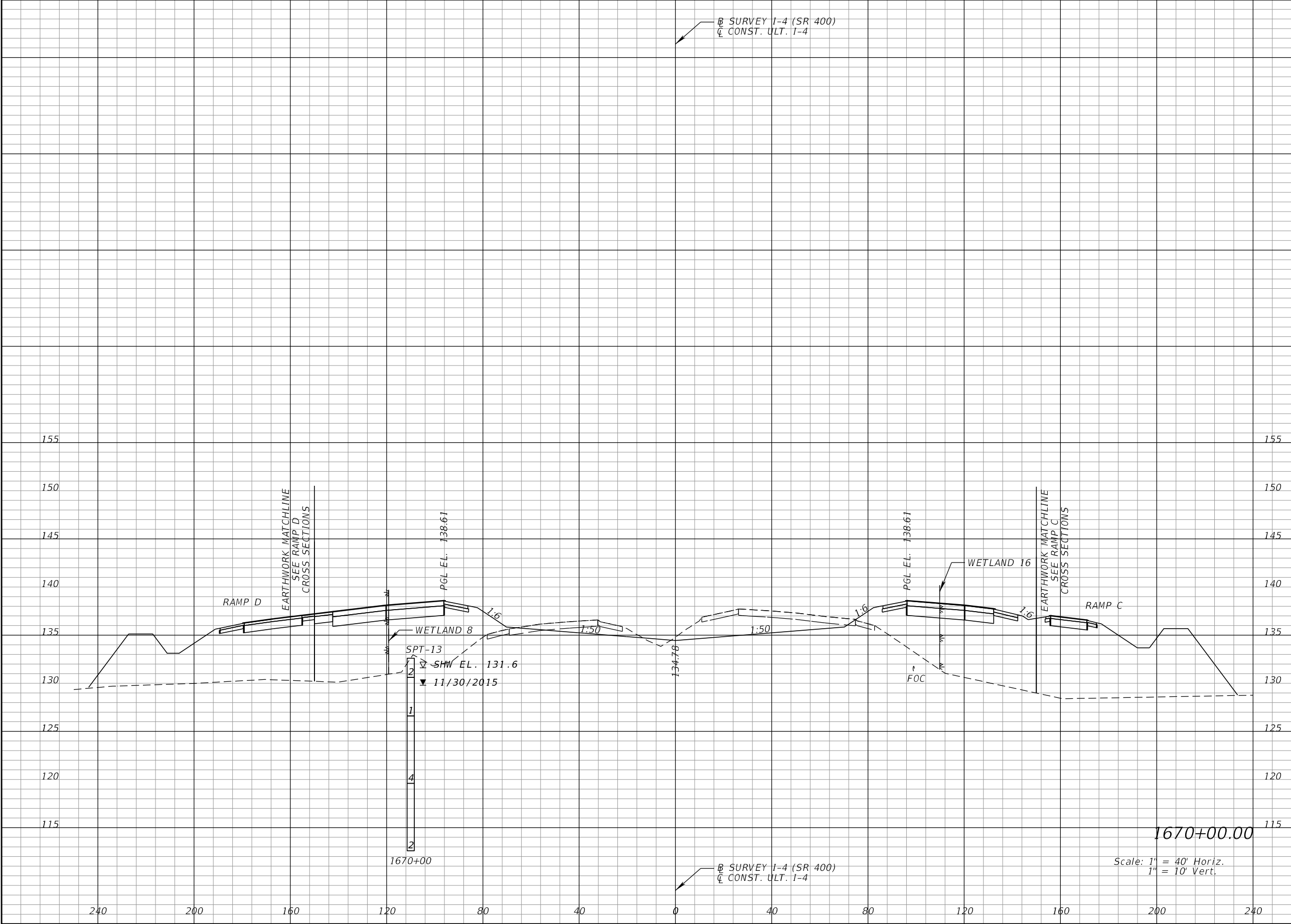
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 295
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

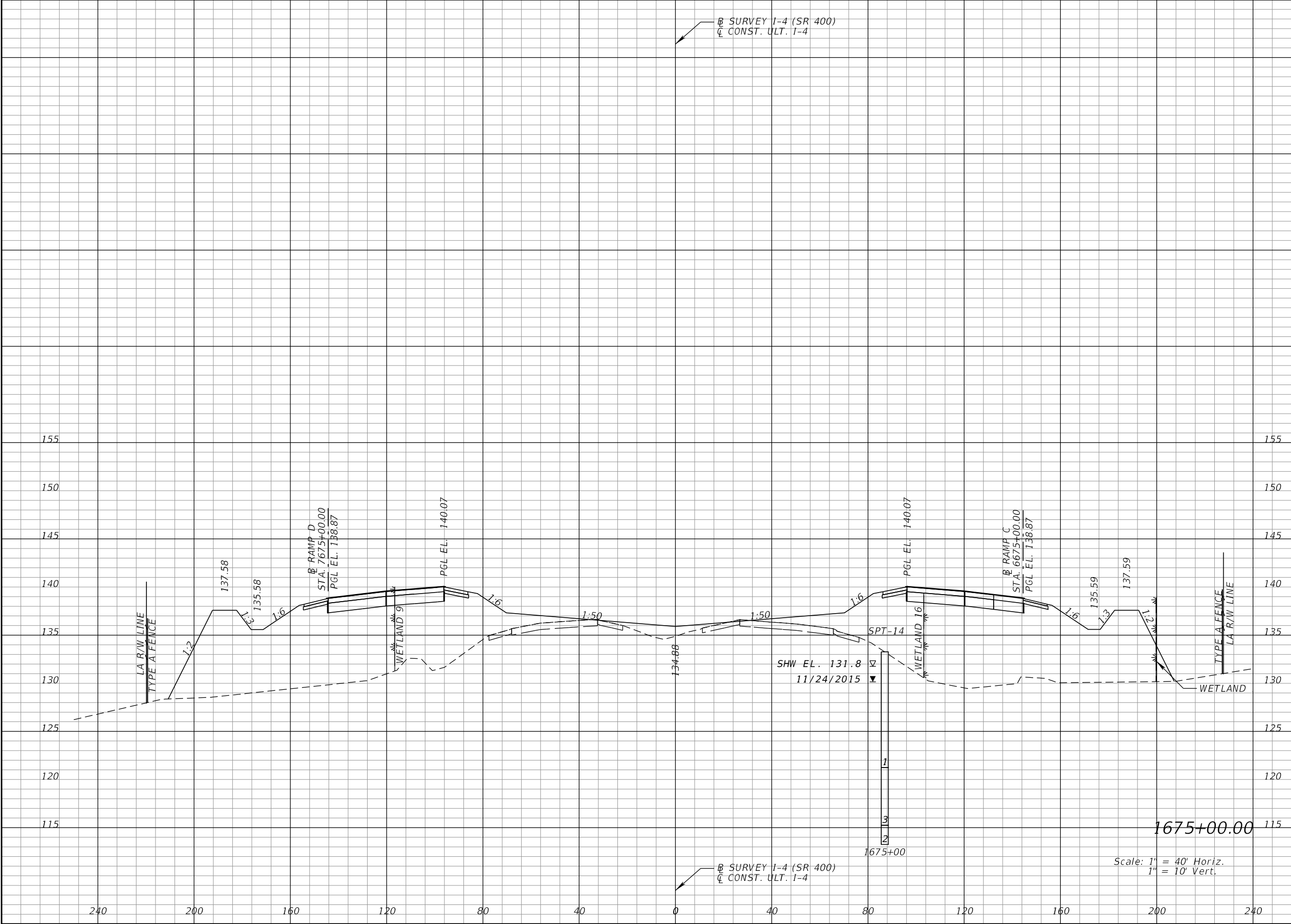
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 324
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

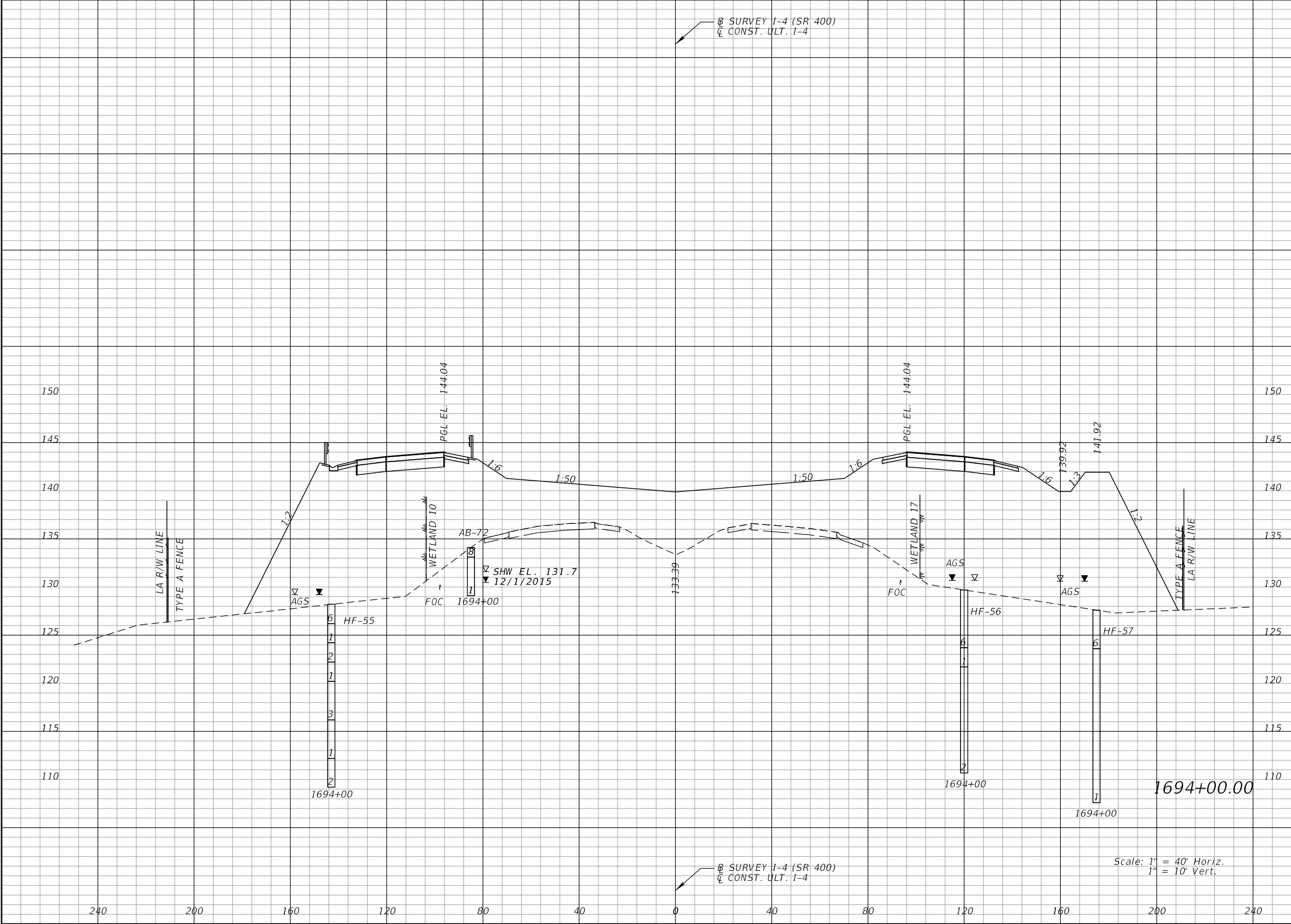
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A	V	V	A	V

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 328
DATE	DESCRIPTION	DATE	DESCRIPTION						
				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794			ROAD NO. COUNTY FINANCIAL PROJECT ID		
							SR 400 POLK 201215-3-52-01		

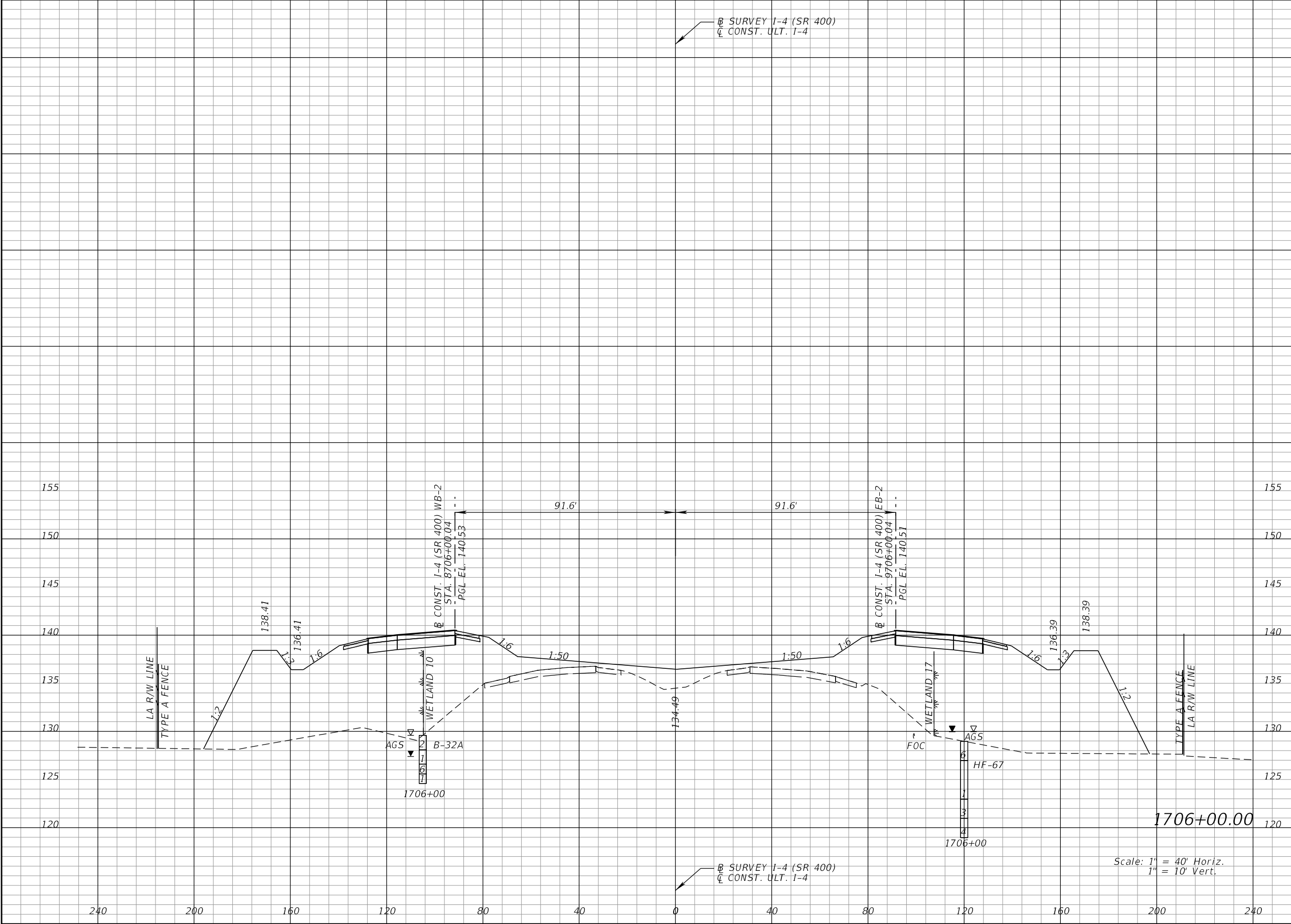
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 345
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

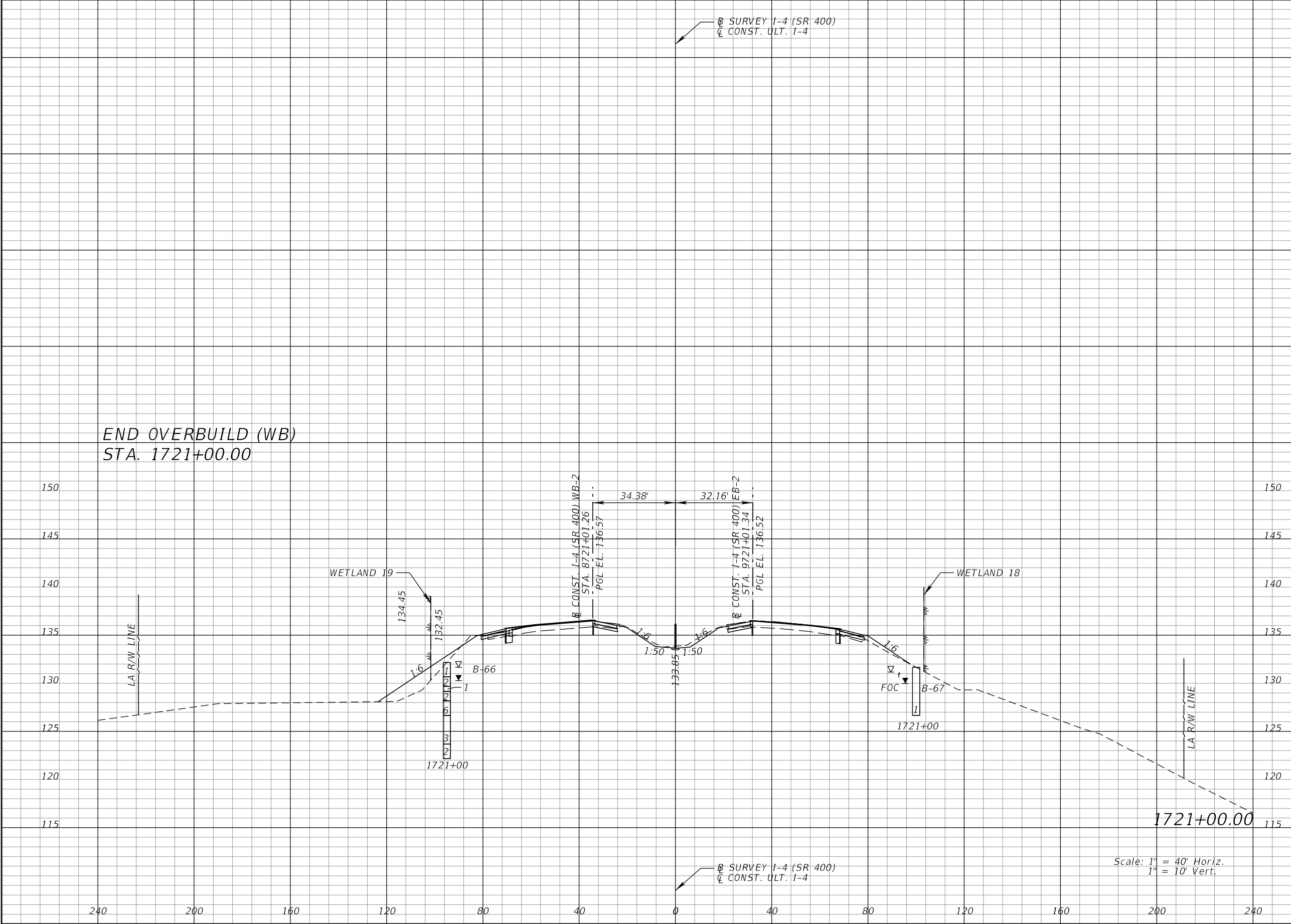
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 354
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

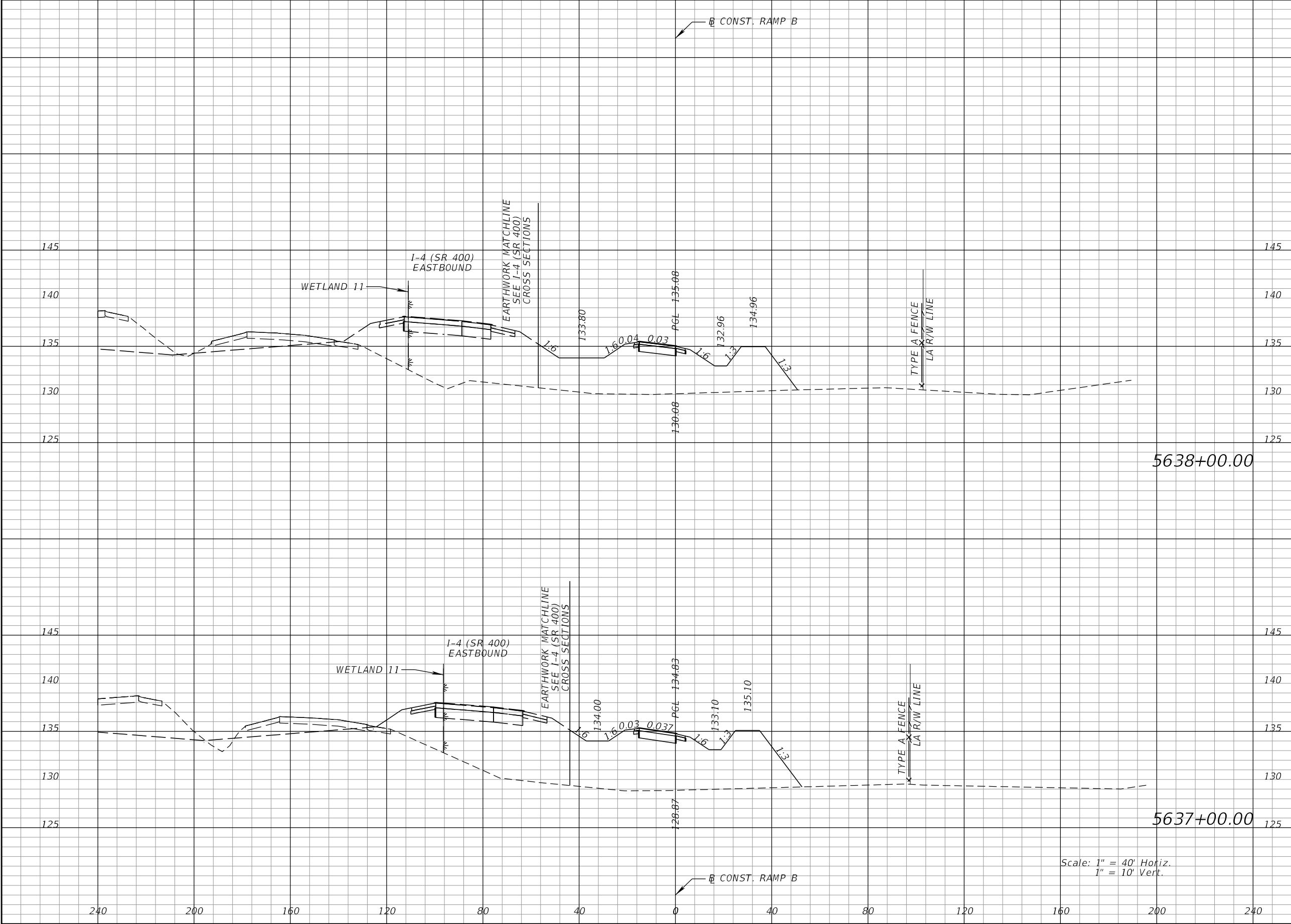
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Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS I-4 (SR 400)		SHEET NO. 364
DATE	DESCRIPTION	DATE	DESCRIPTION						
				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794			ROAD NO. COUNTY FINANCIAL PROJECT ID		
							SR 400 POLK 201215-3-52-01		

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

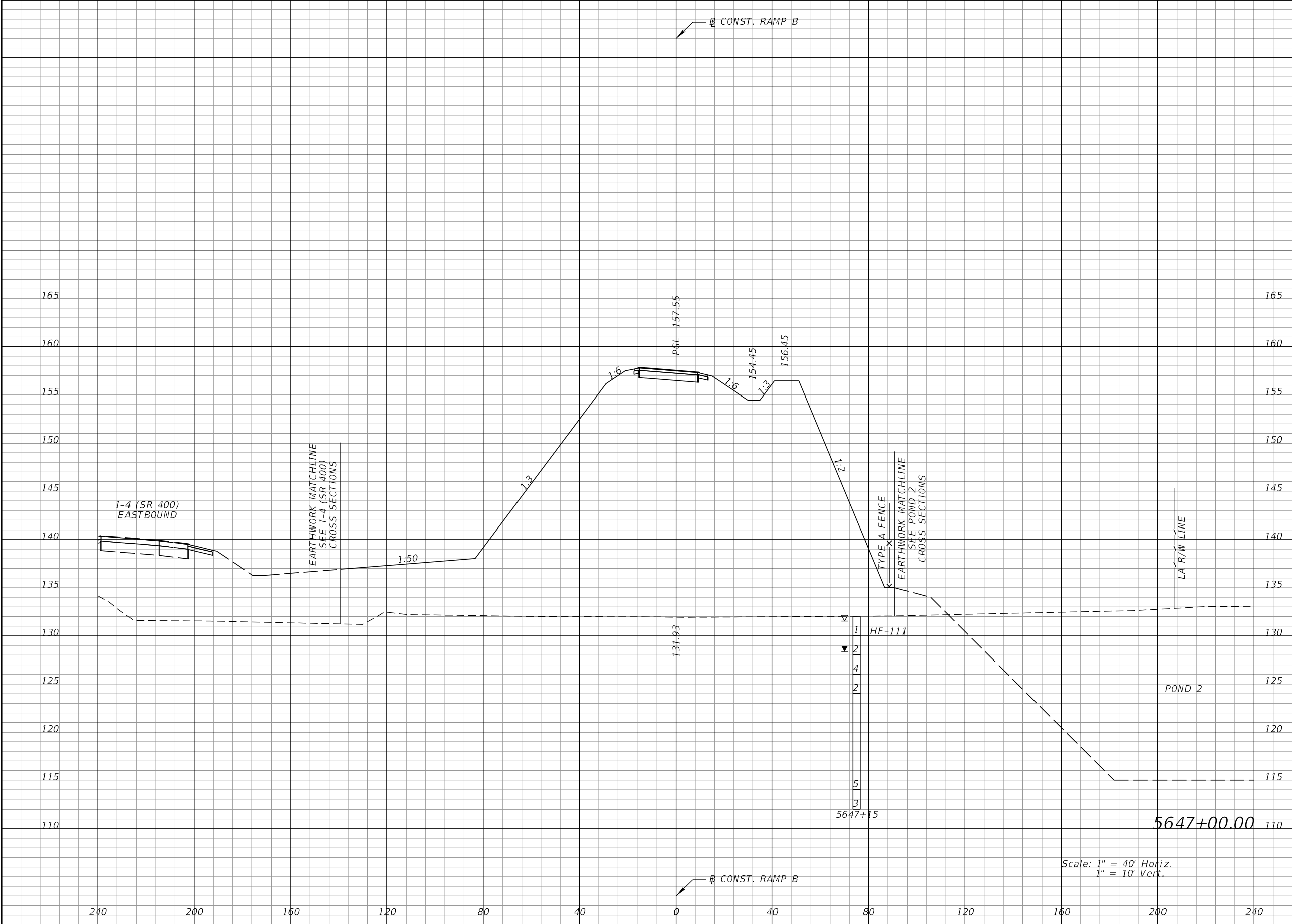


Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS RAMP B		SHEET NO. 380
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

Scale: 1" = 40' Horiz.
1" = 10' Vert.

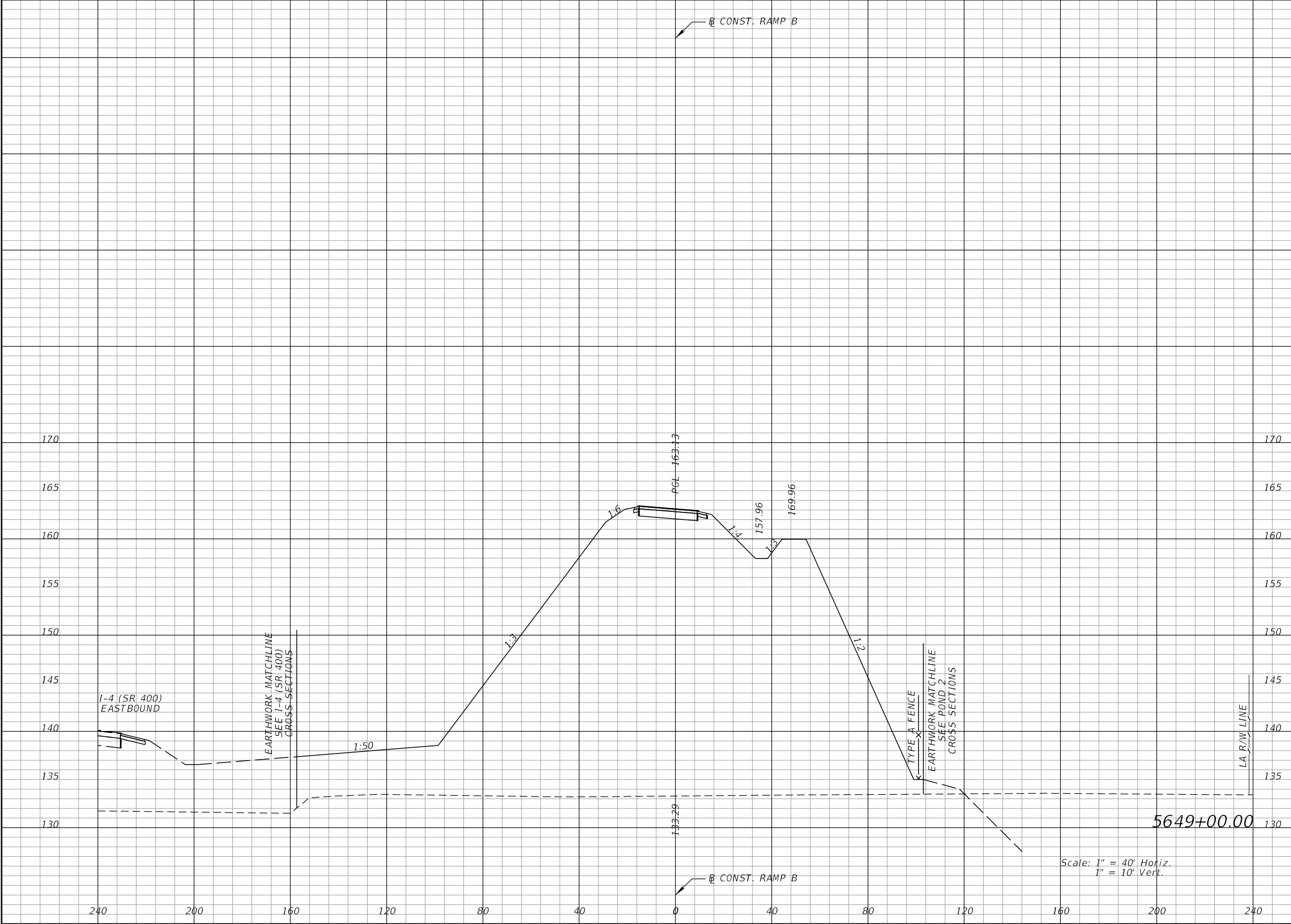
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

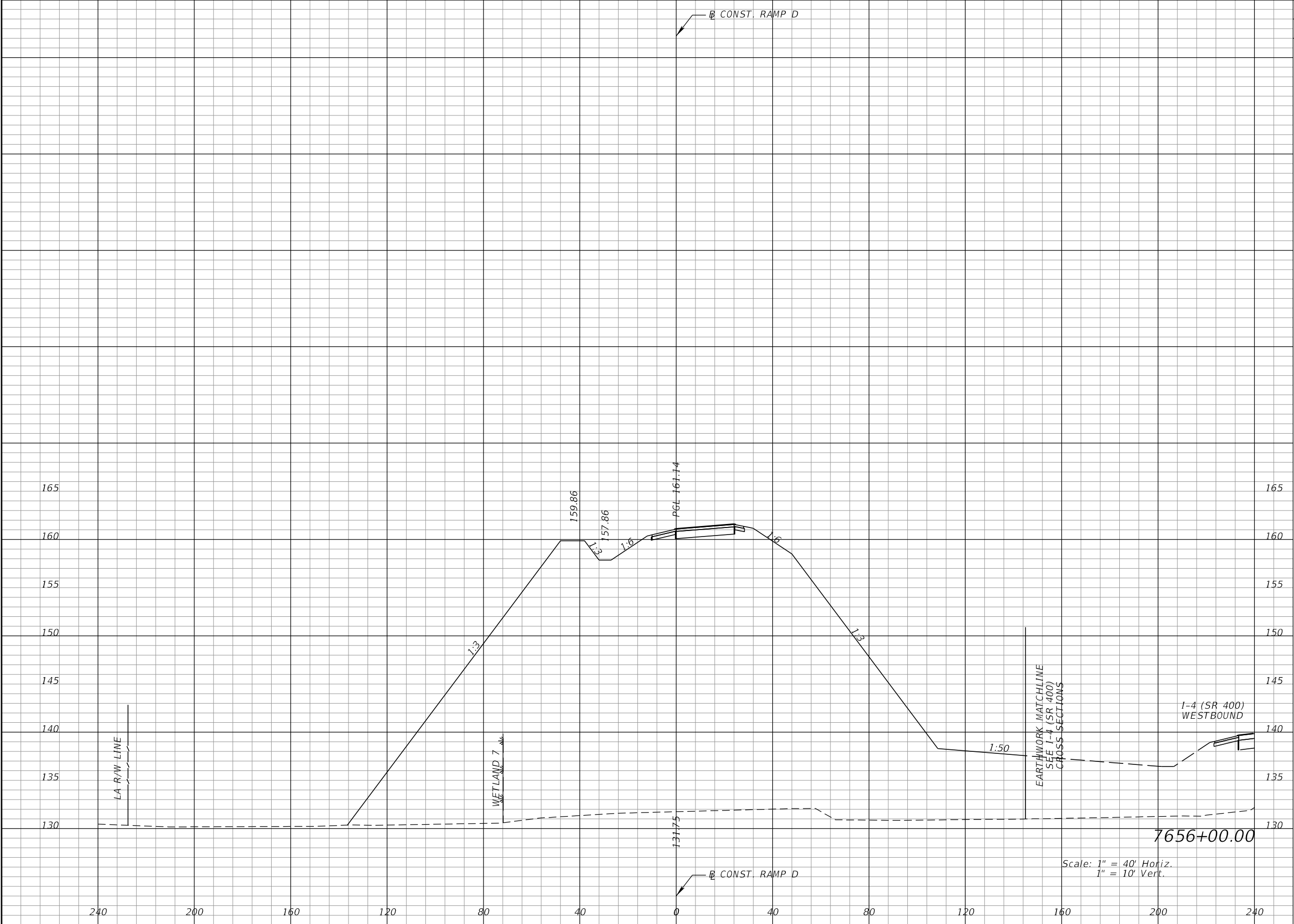
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS RAMP B		SHEET NO. 385
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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Regular		Exc.	Embankment	
A		V	A	V

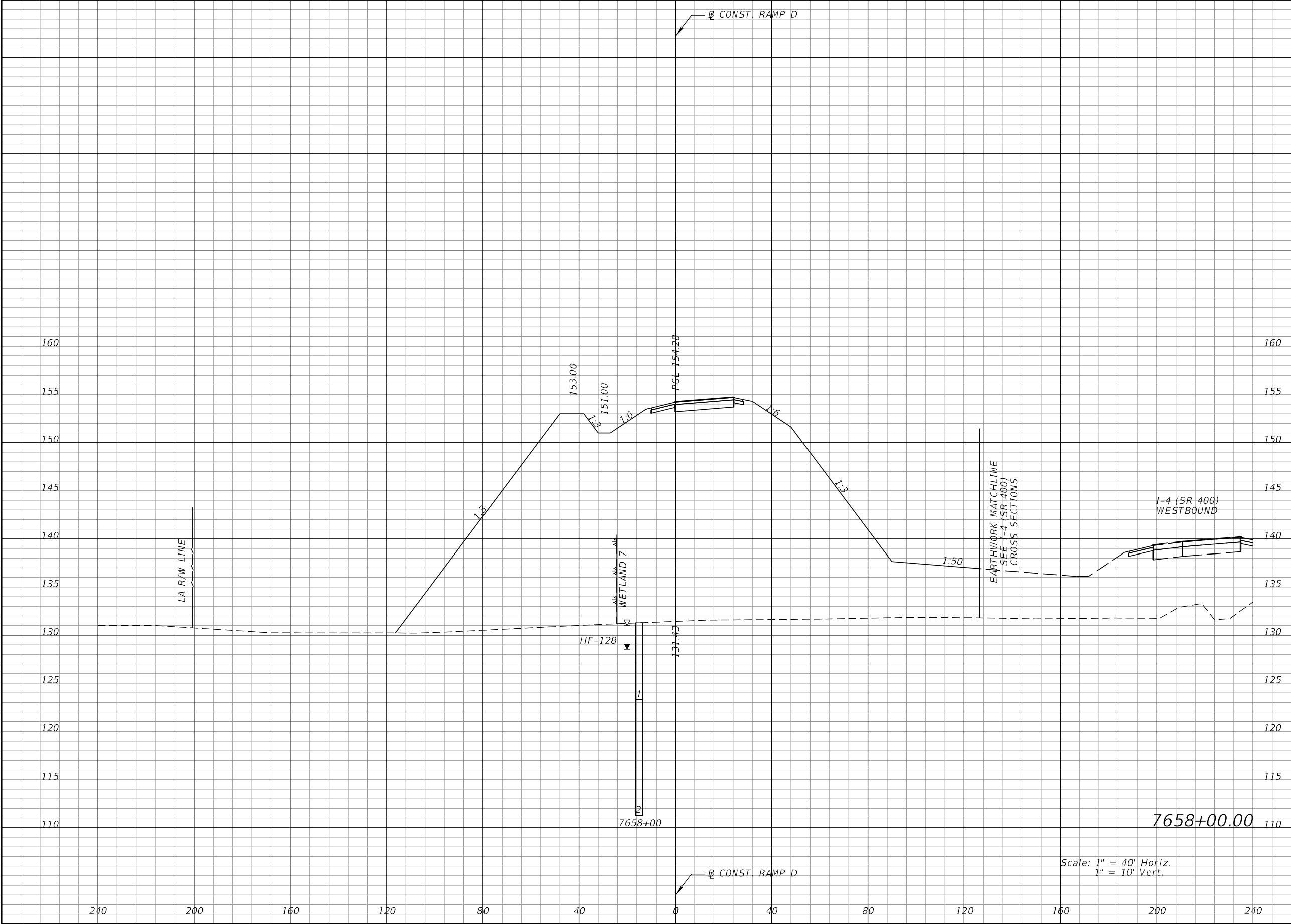
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		387
					SR 400	POLK	201215-3-52-01		



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS RAMP D		SHEET NO. 404
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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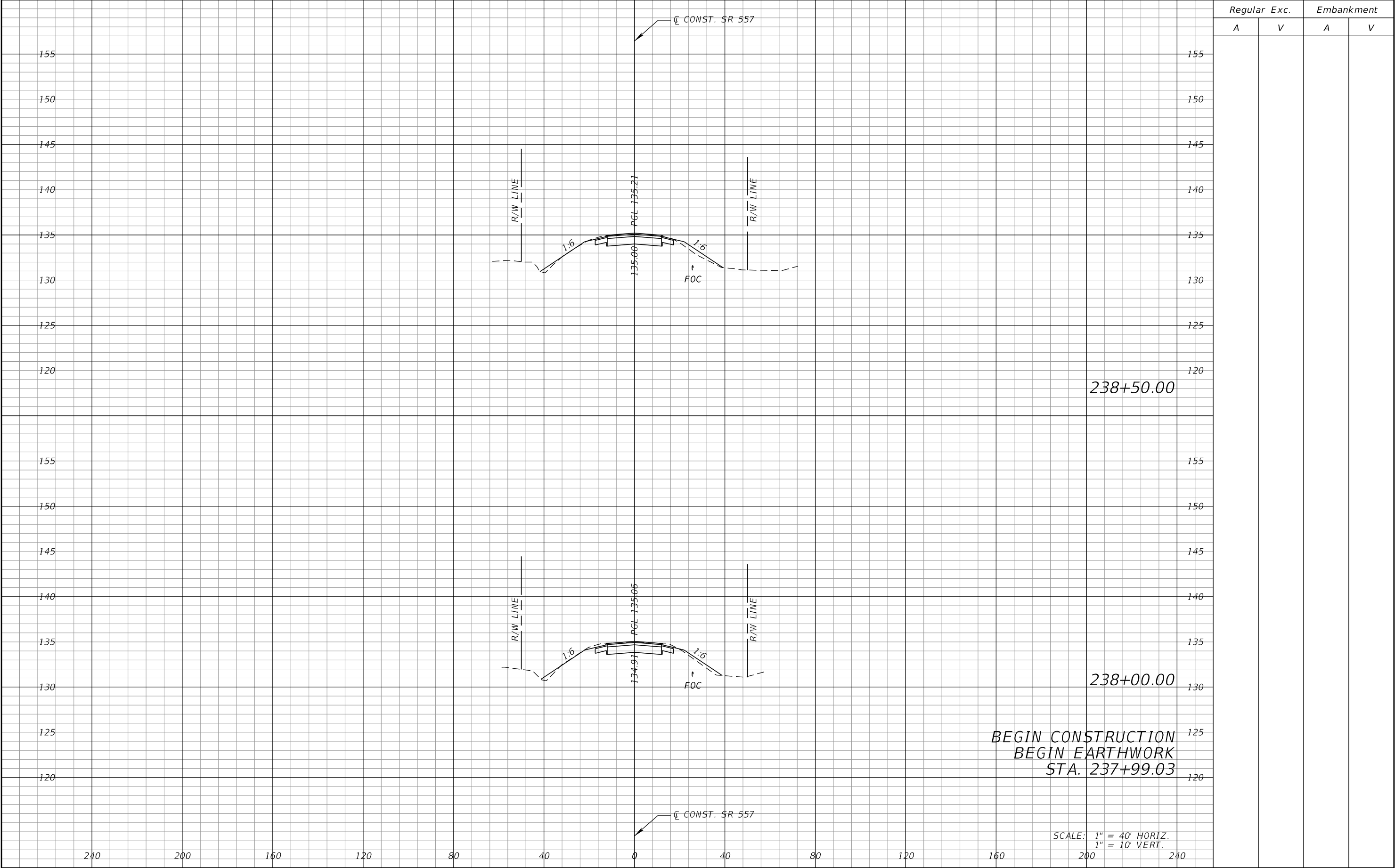
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

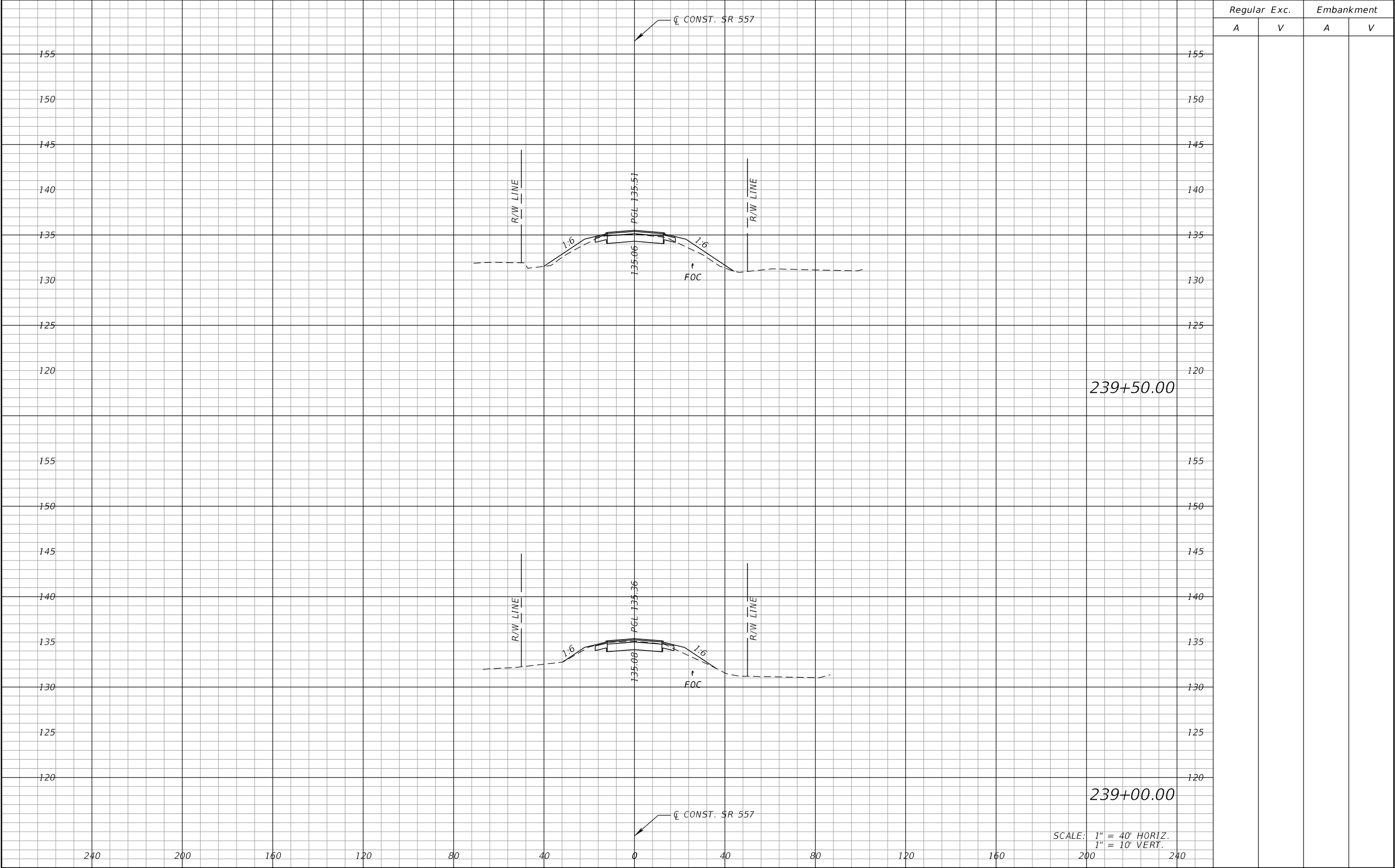
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS RAMP D		SHEET NO. 406
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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



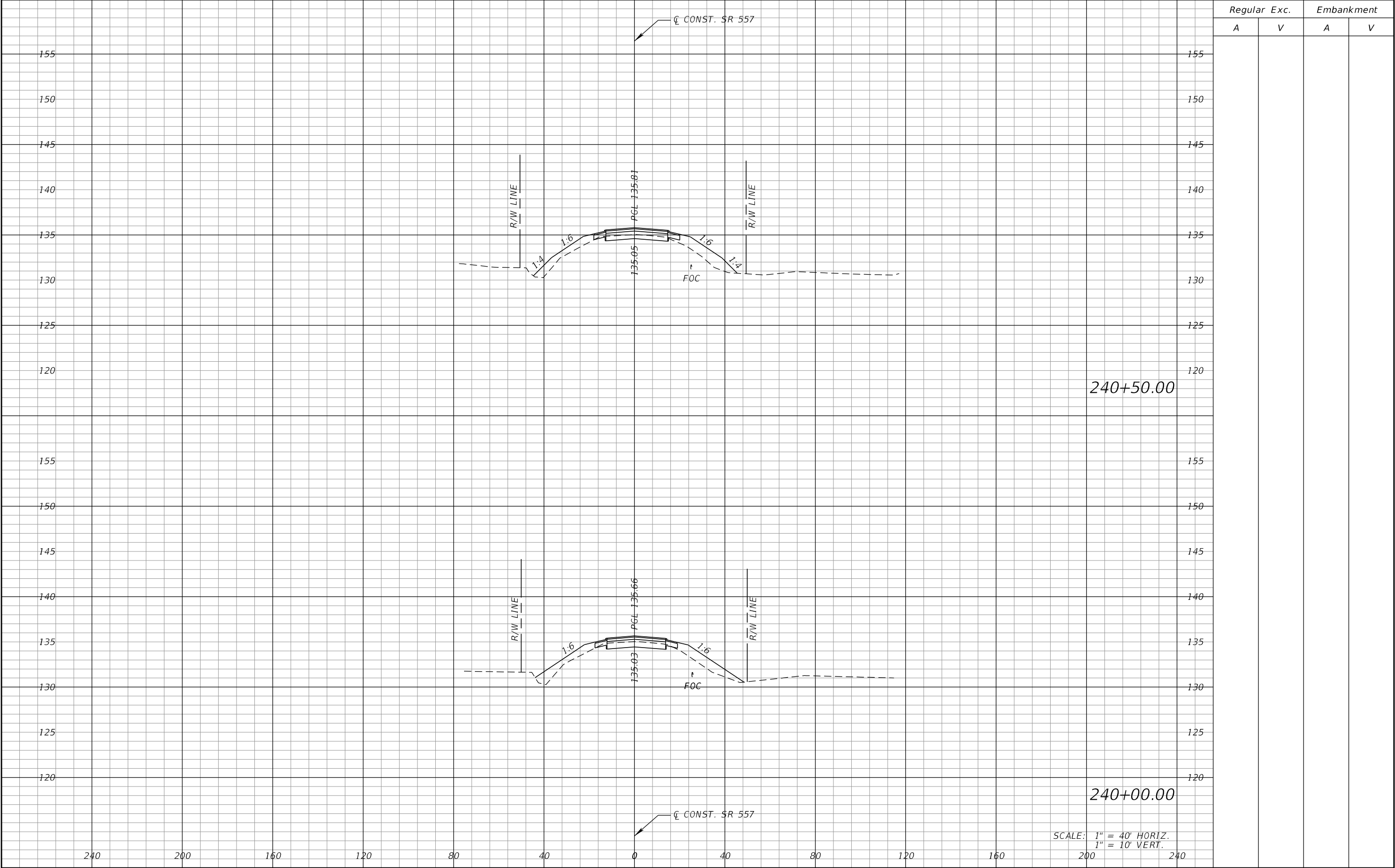
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			414	
					SR 400	POLK	201215-3-52-01				

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



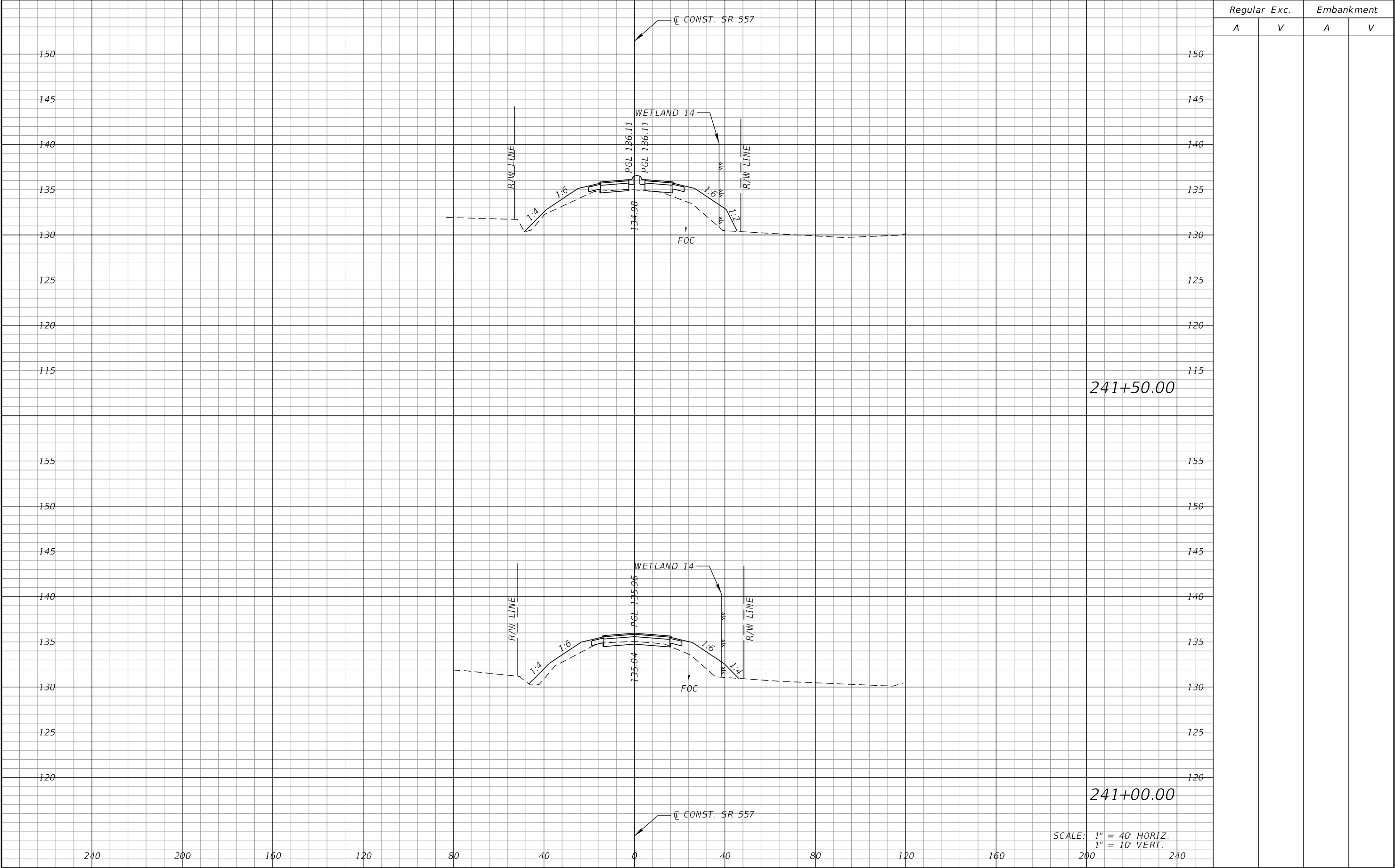
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 415	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
					SR 400	POLK	201215-3-52-01				

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



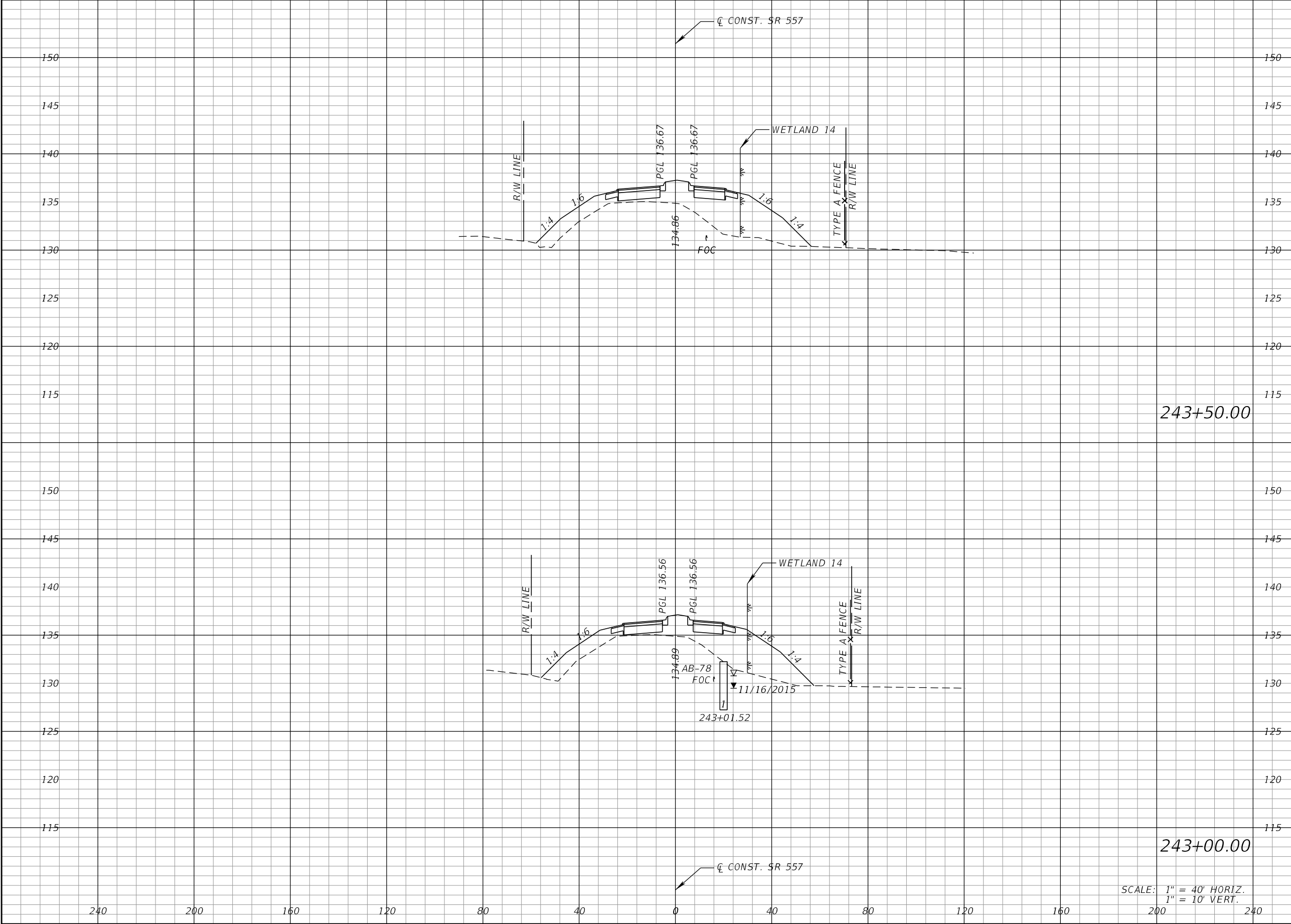
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			416	
					SR 400	POLK	201215-3-52-01				

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



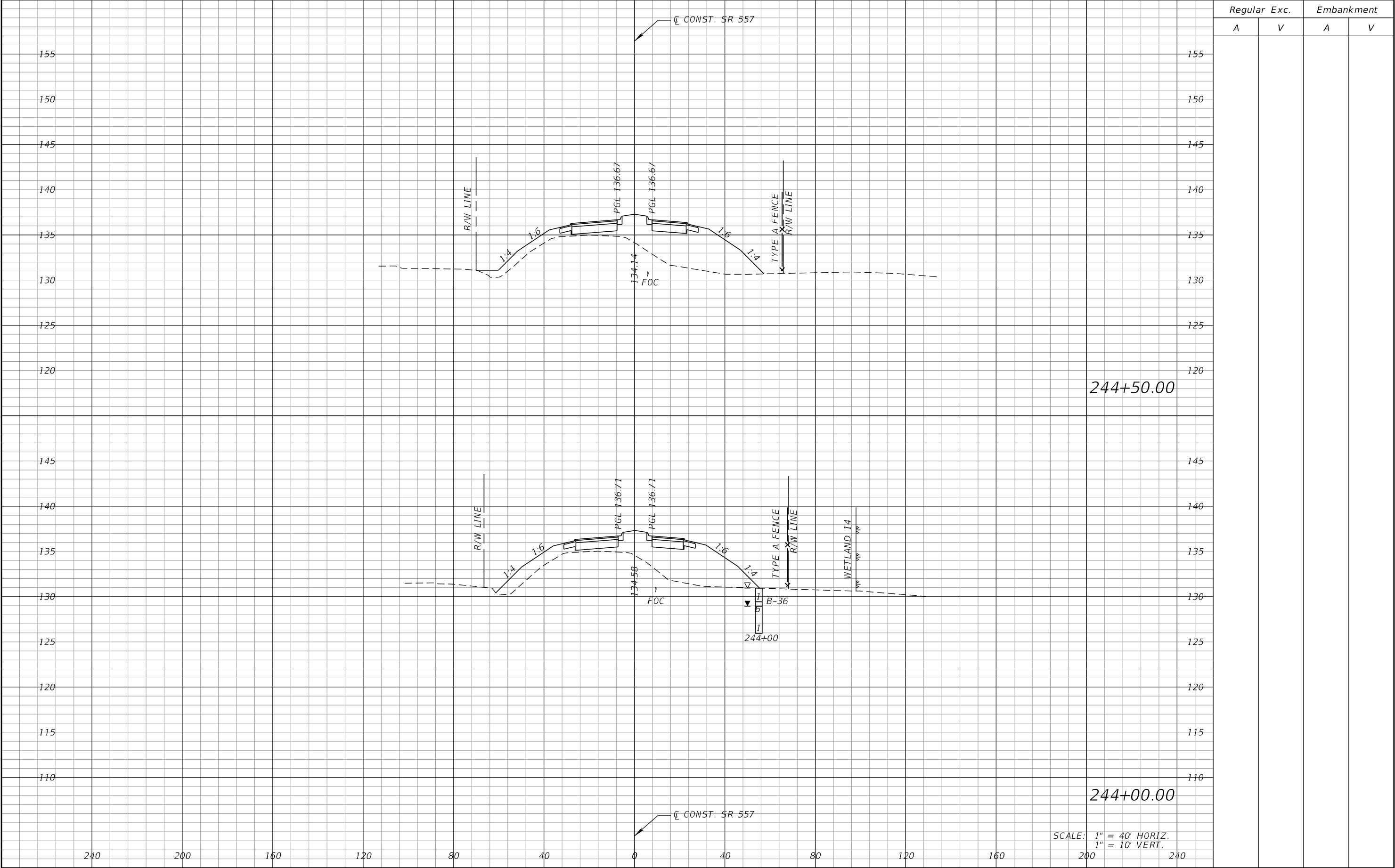
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			417	
					SR 400	POLK	201215-3-52-01				

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



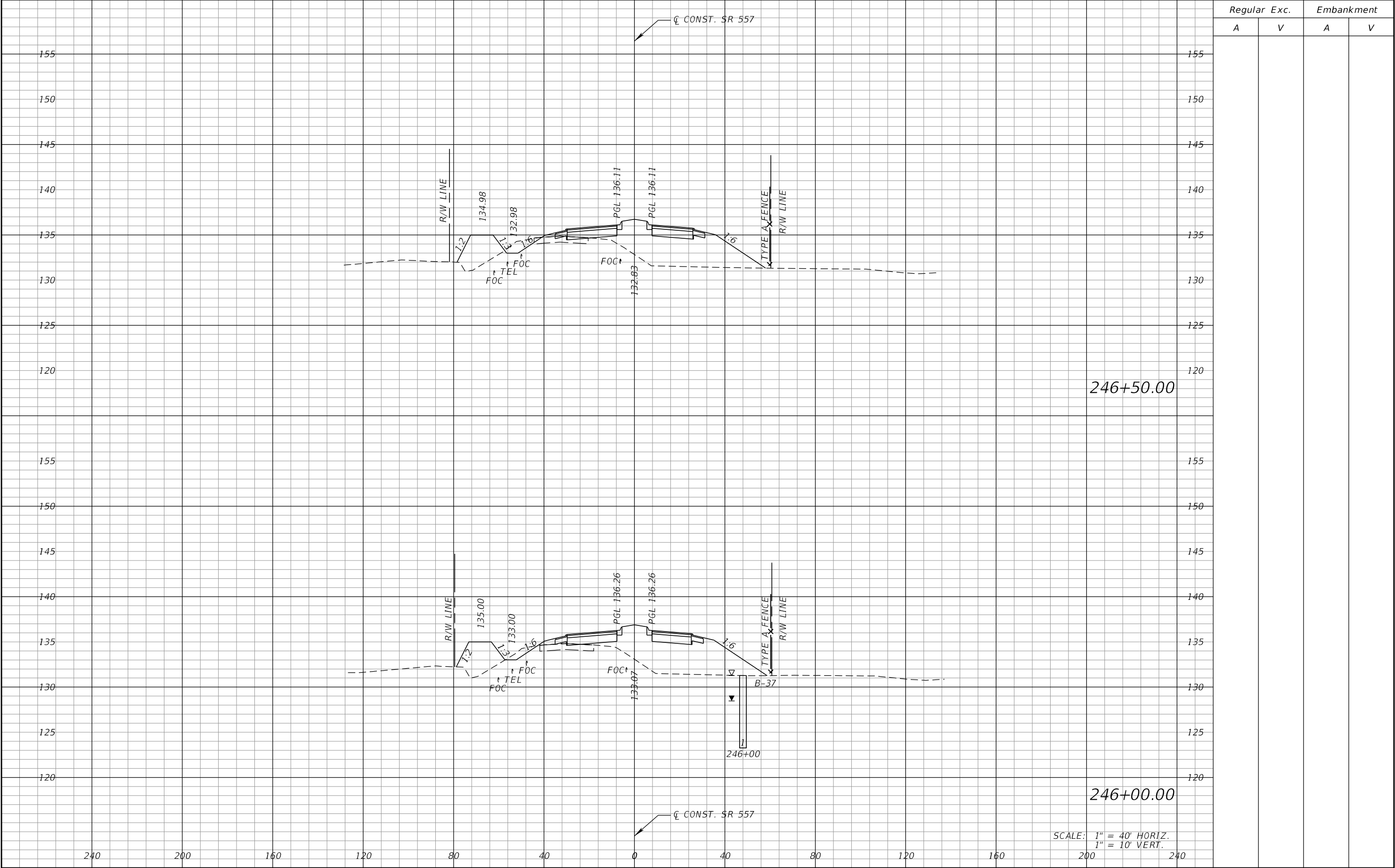
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			419	
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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.



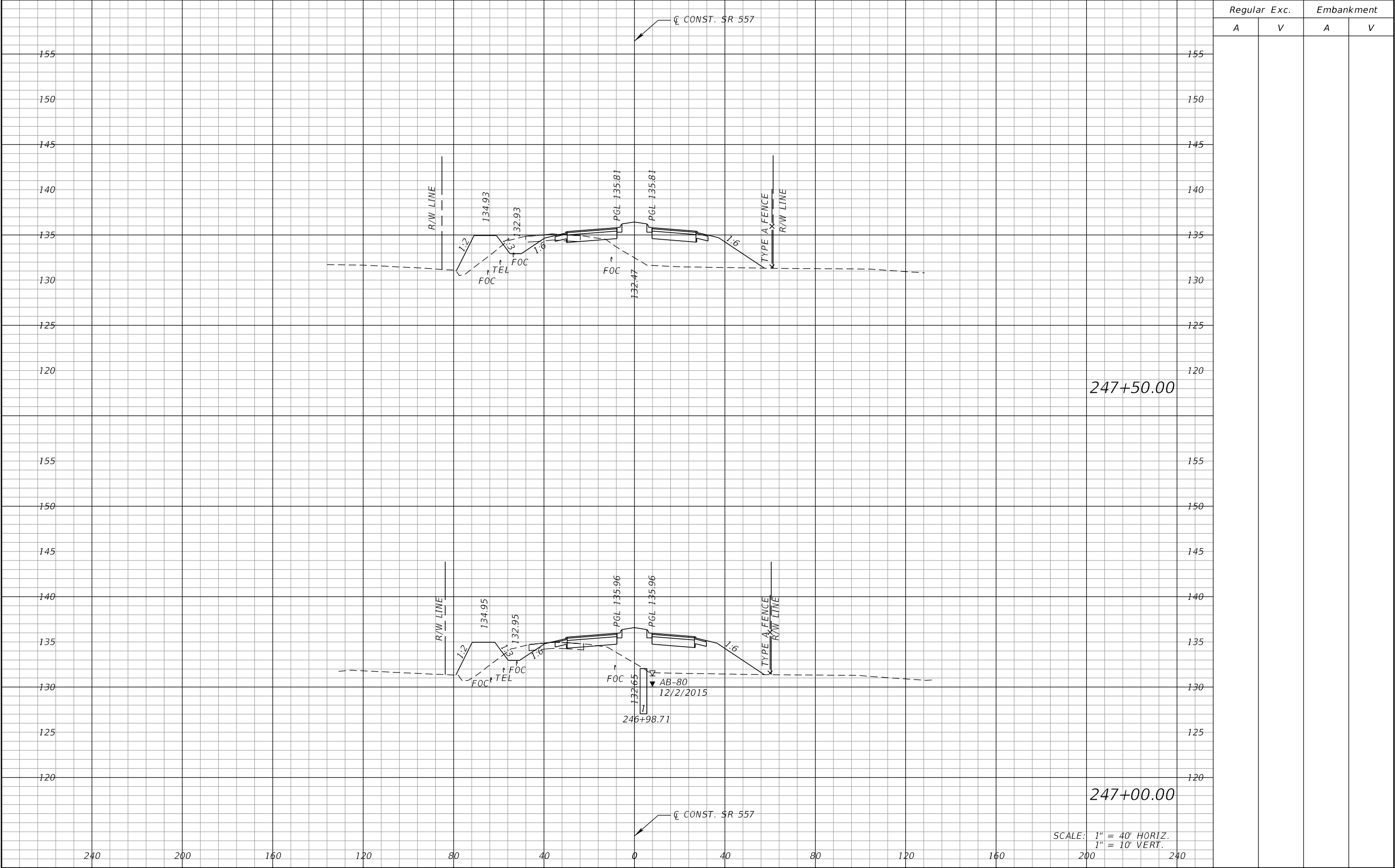
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			420	
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



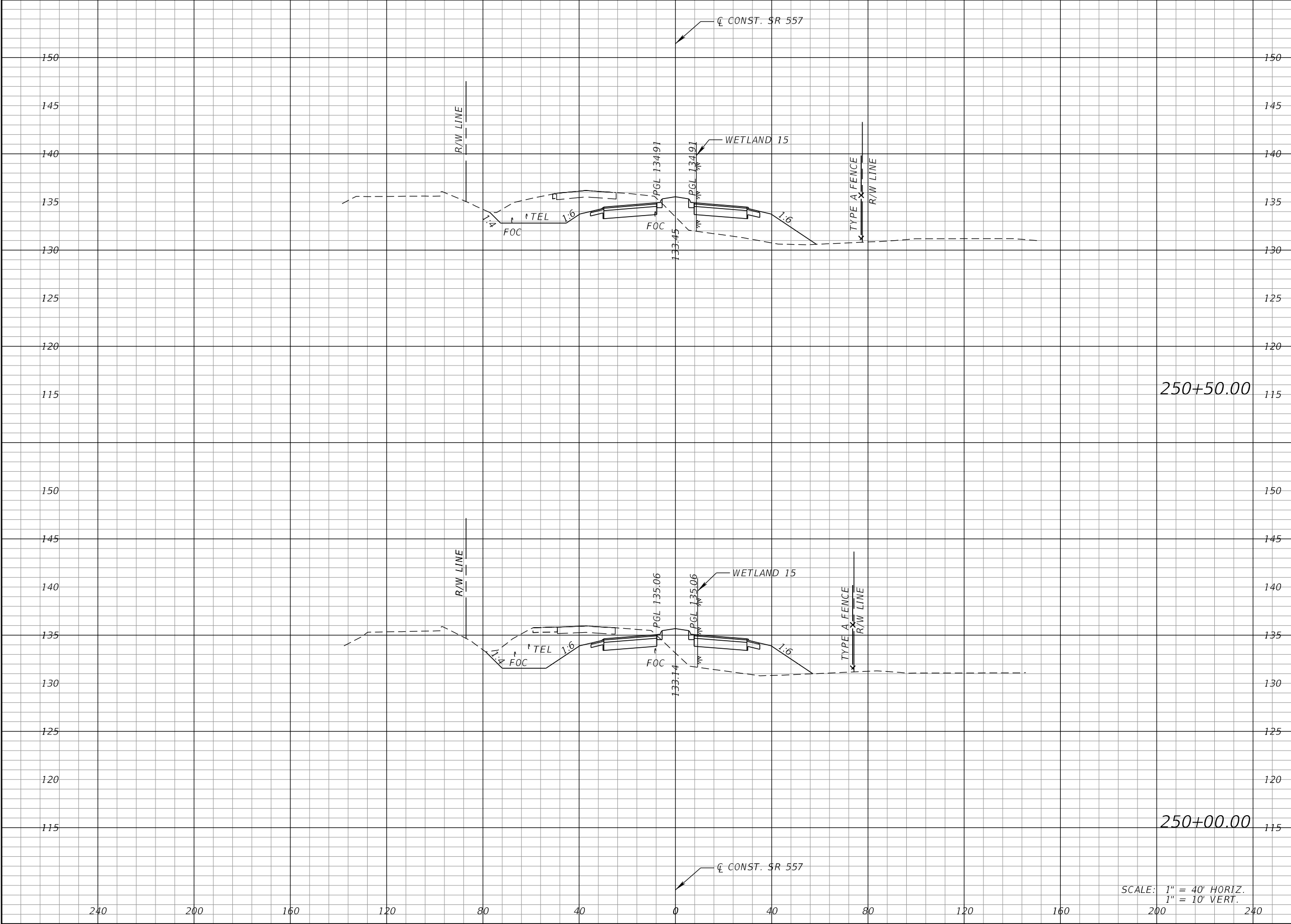
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			422	
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
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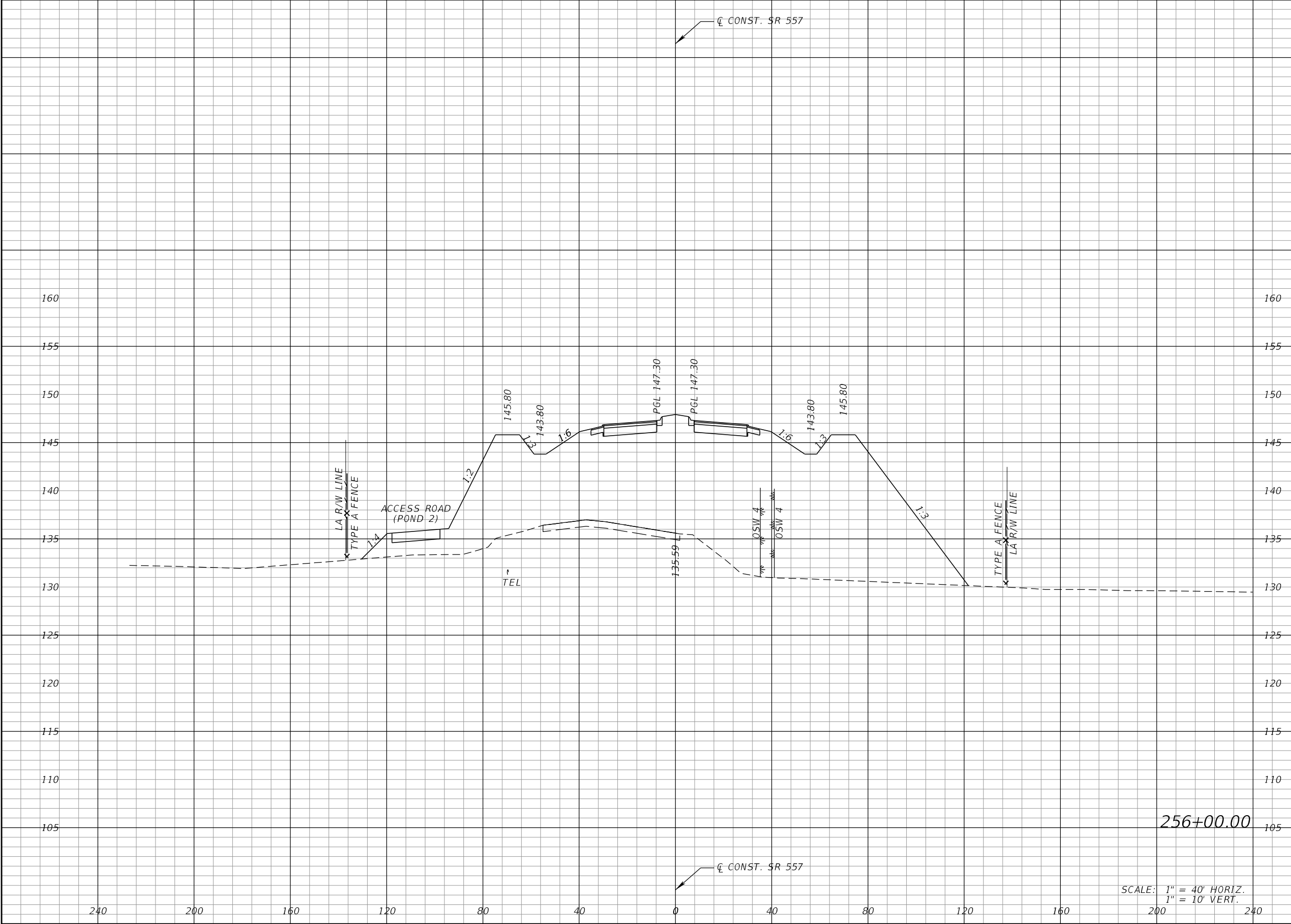
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE: 1" = 40' HORIZ.
1" = 10' VERT.

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
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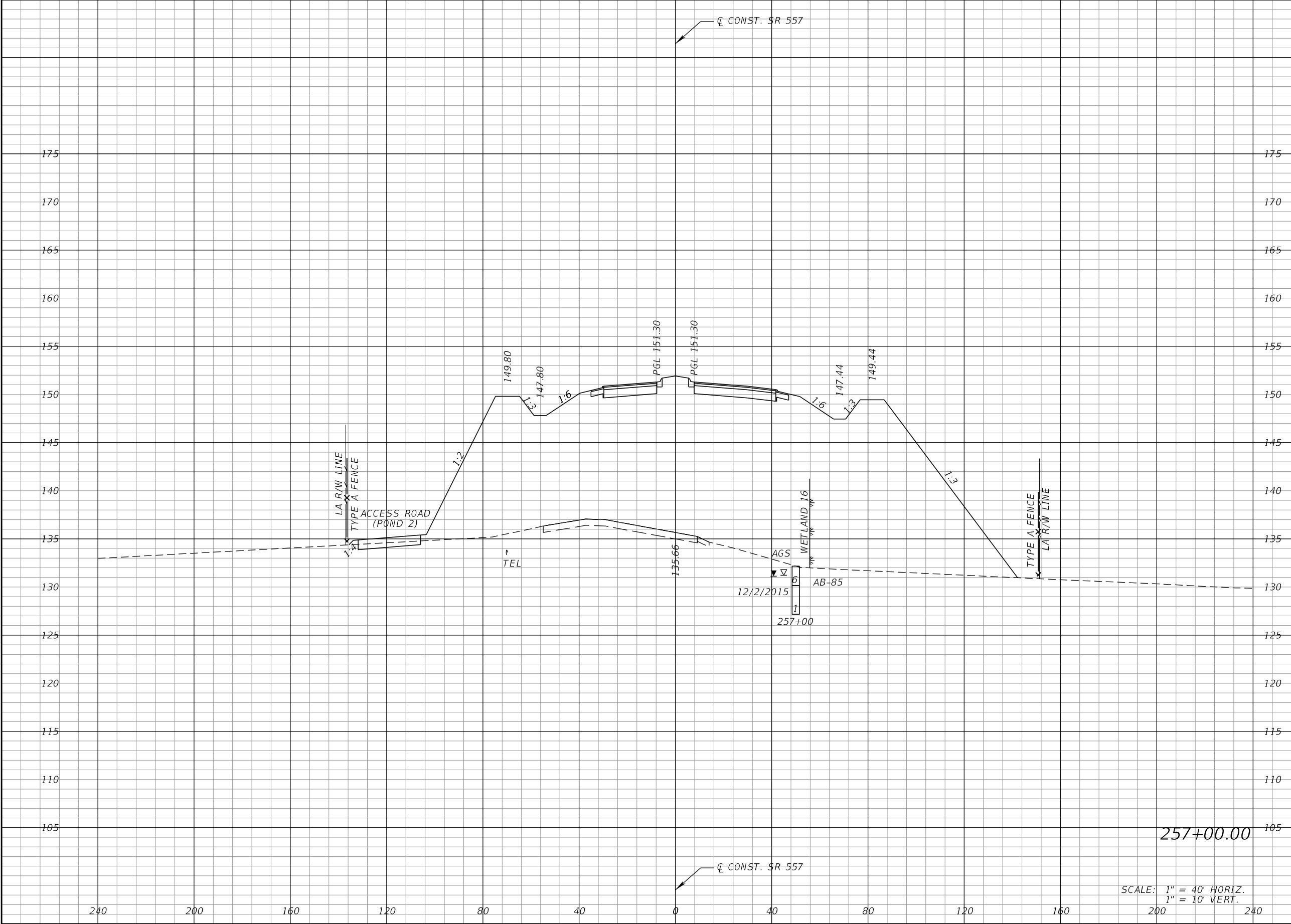
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 436
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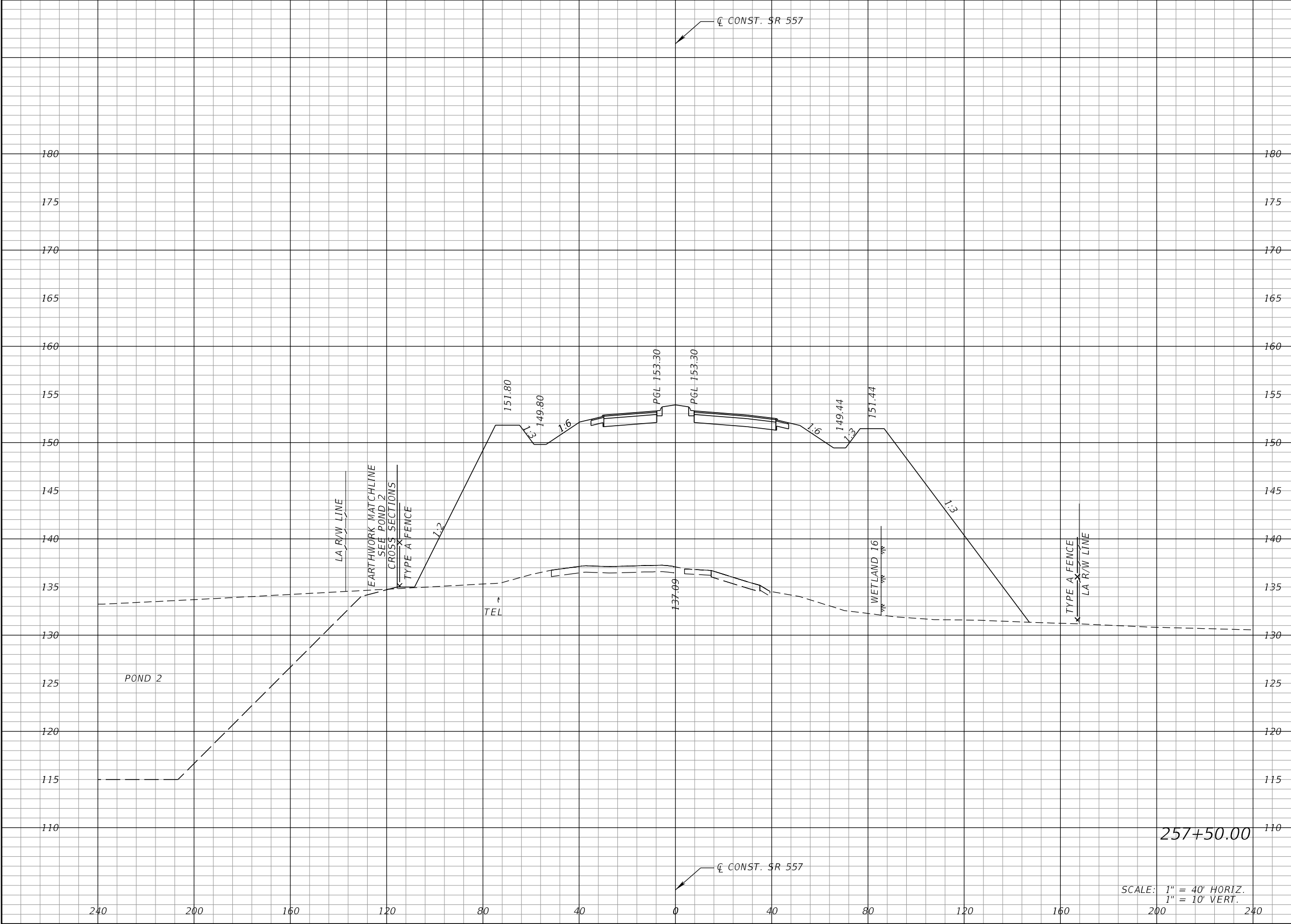
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 438
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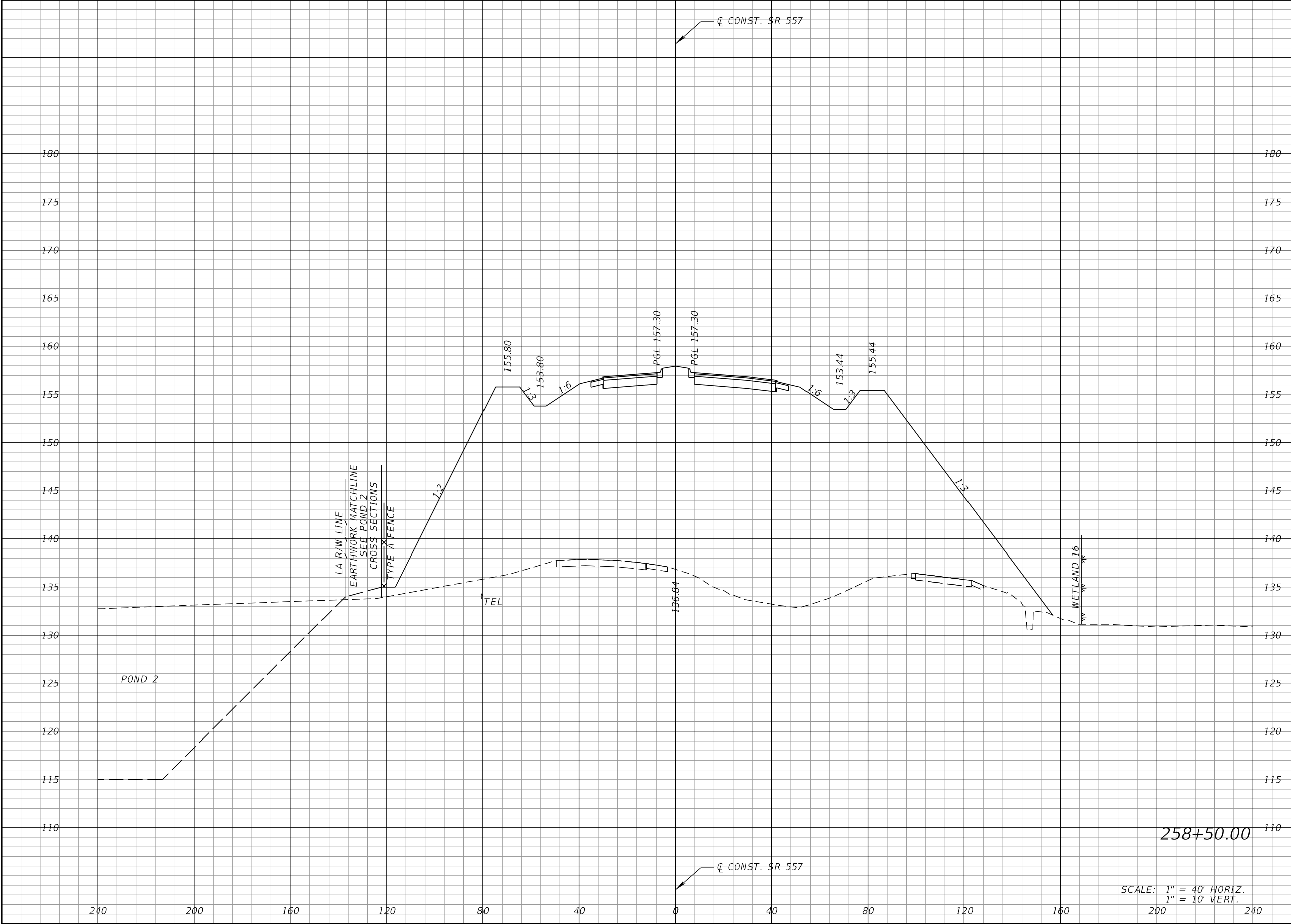
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 439
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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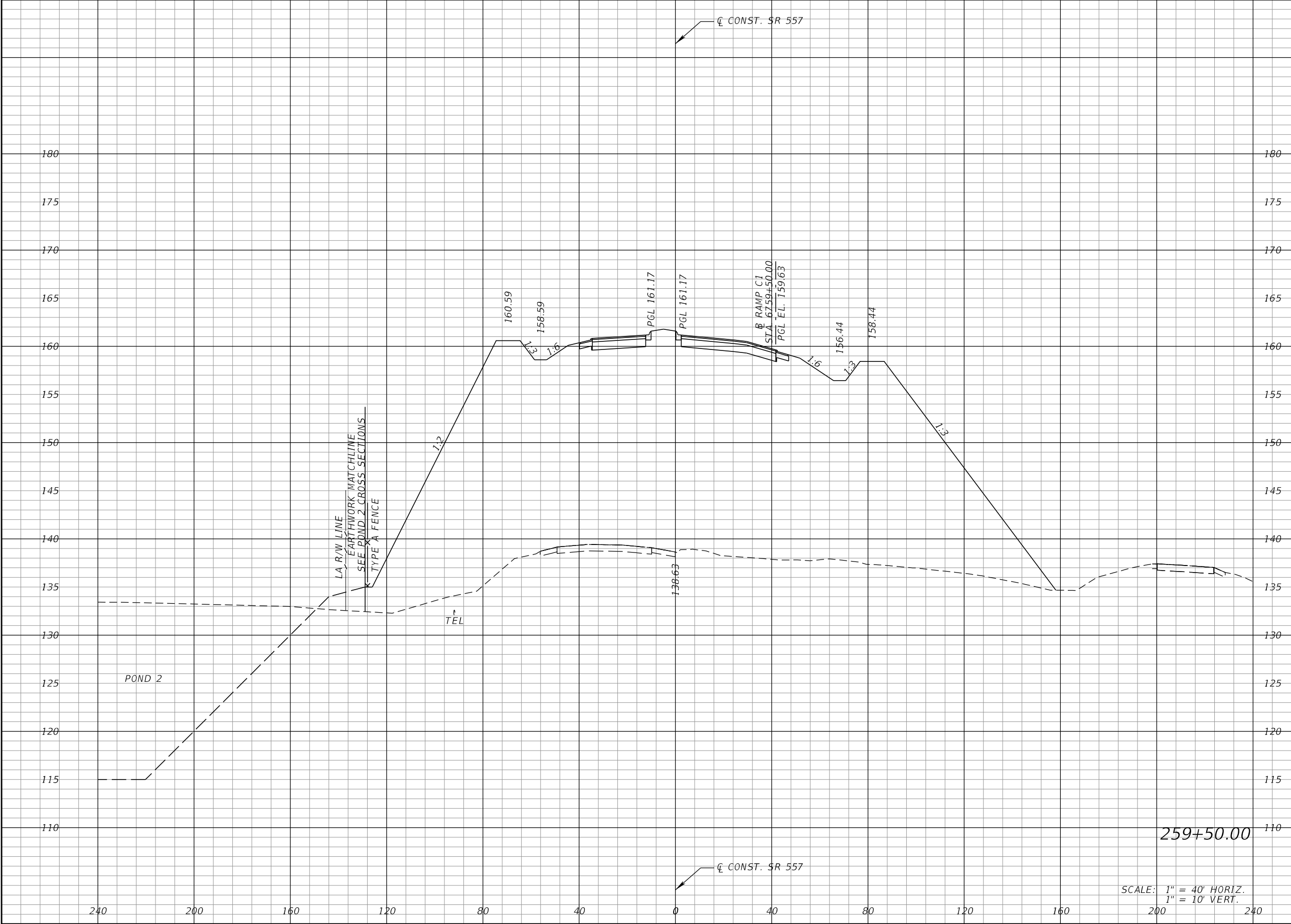
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 441
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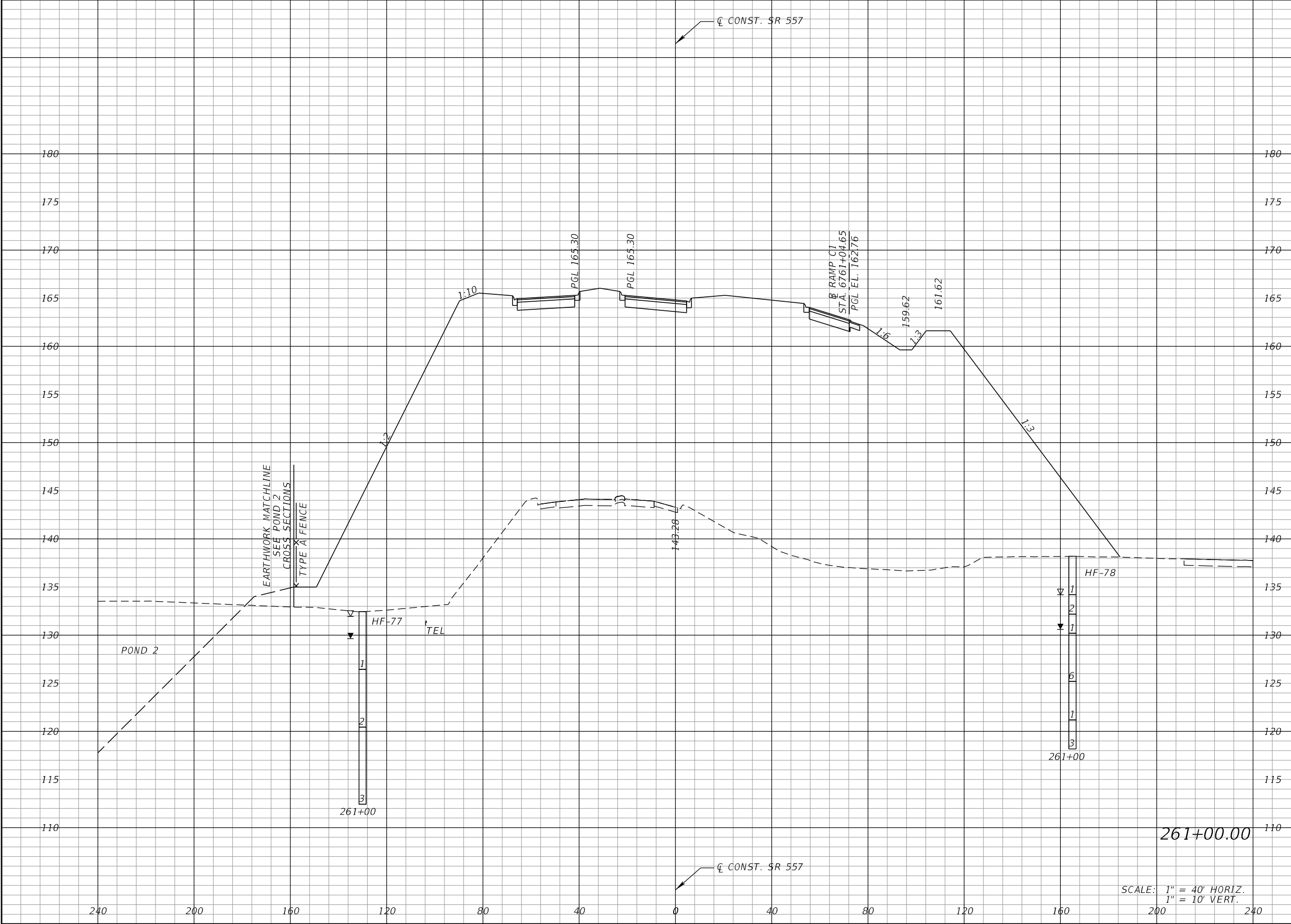
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Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 443
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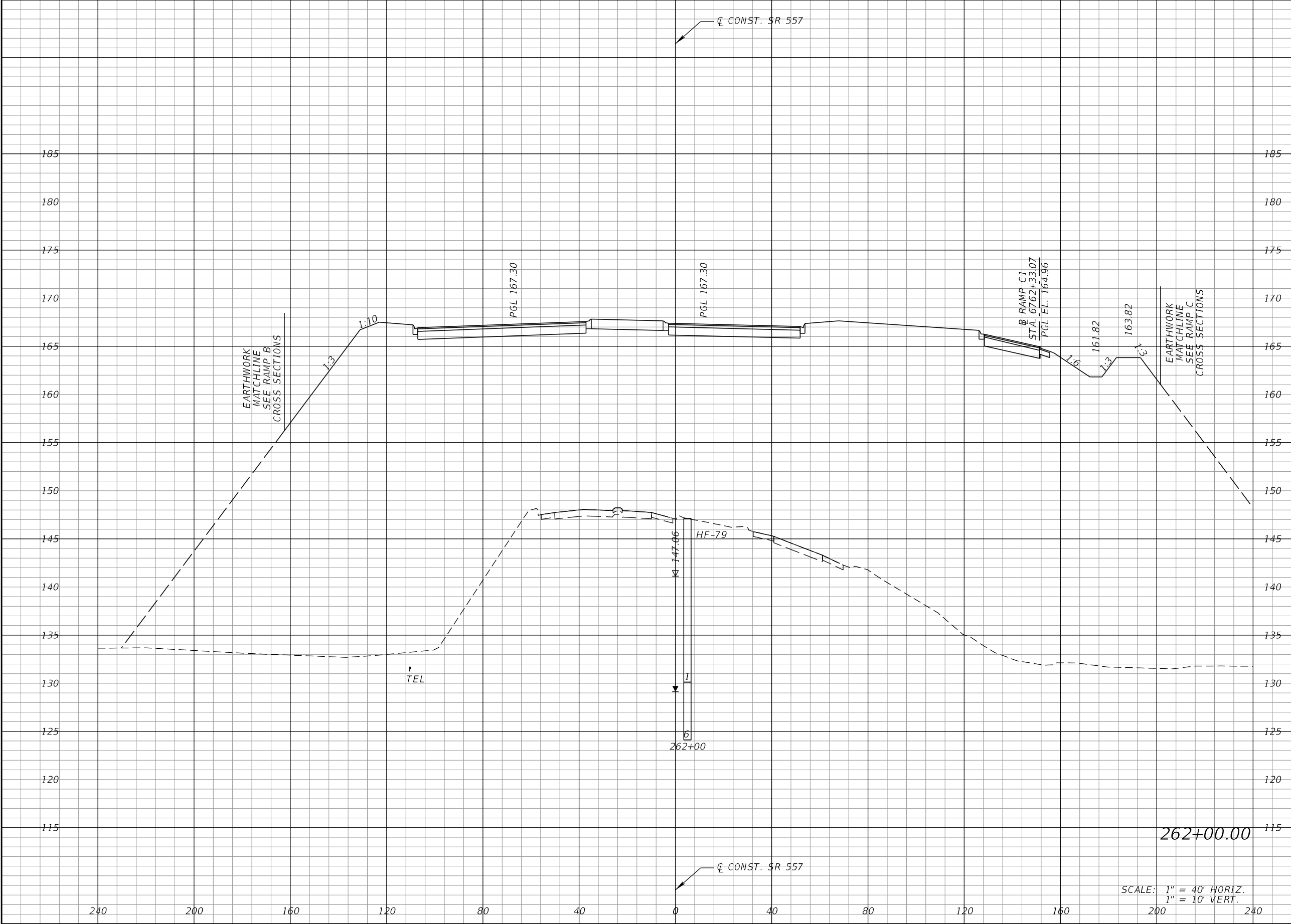
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Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 446
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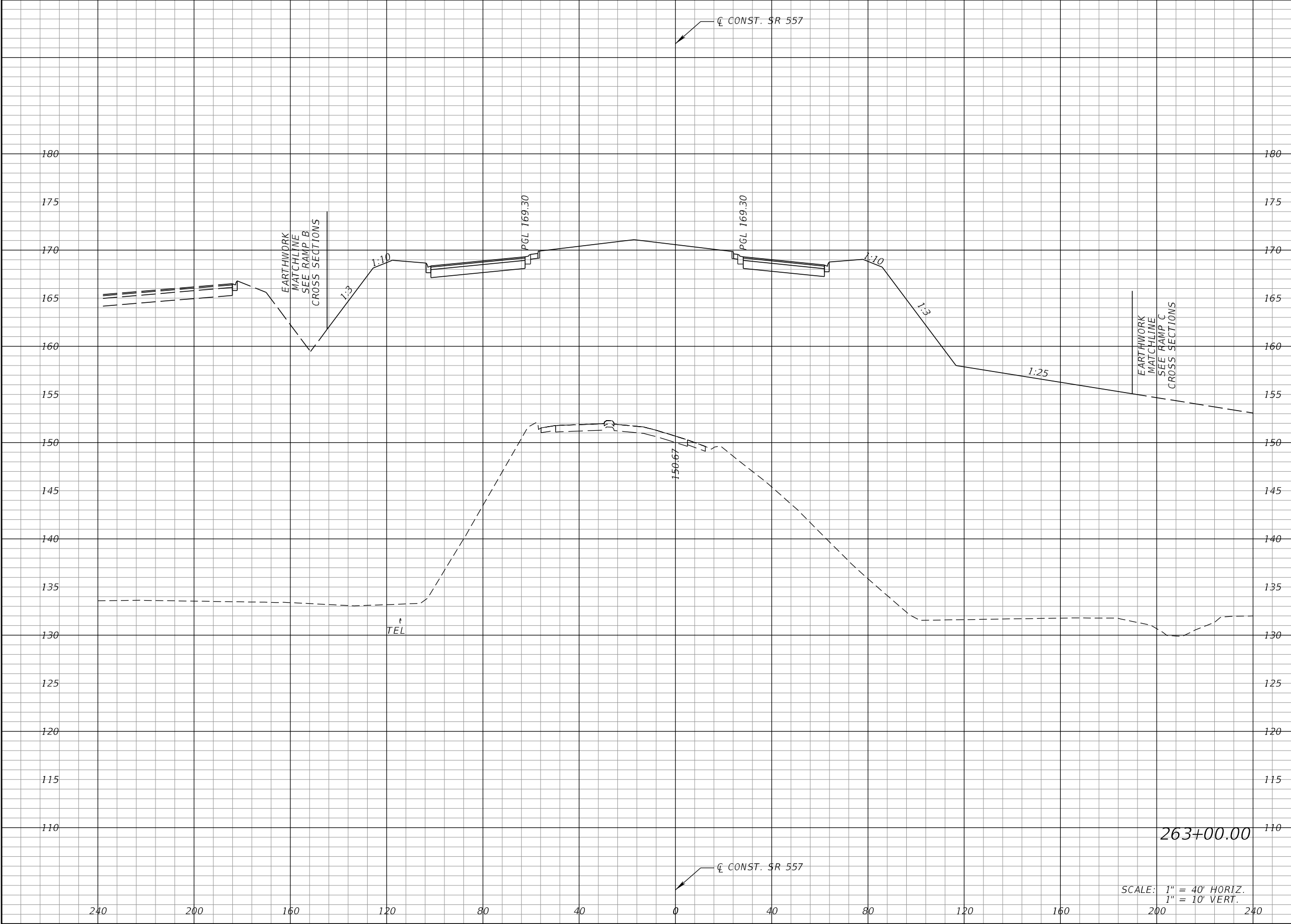
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 448
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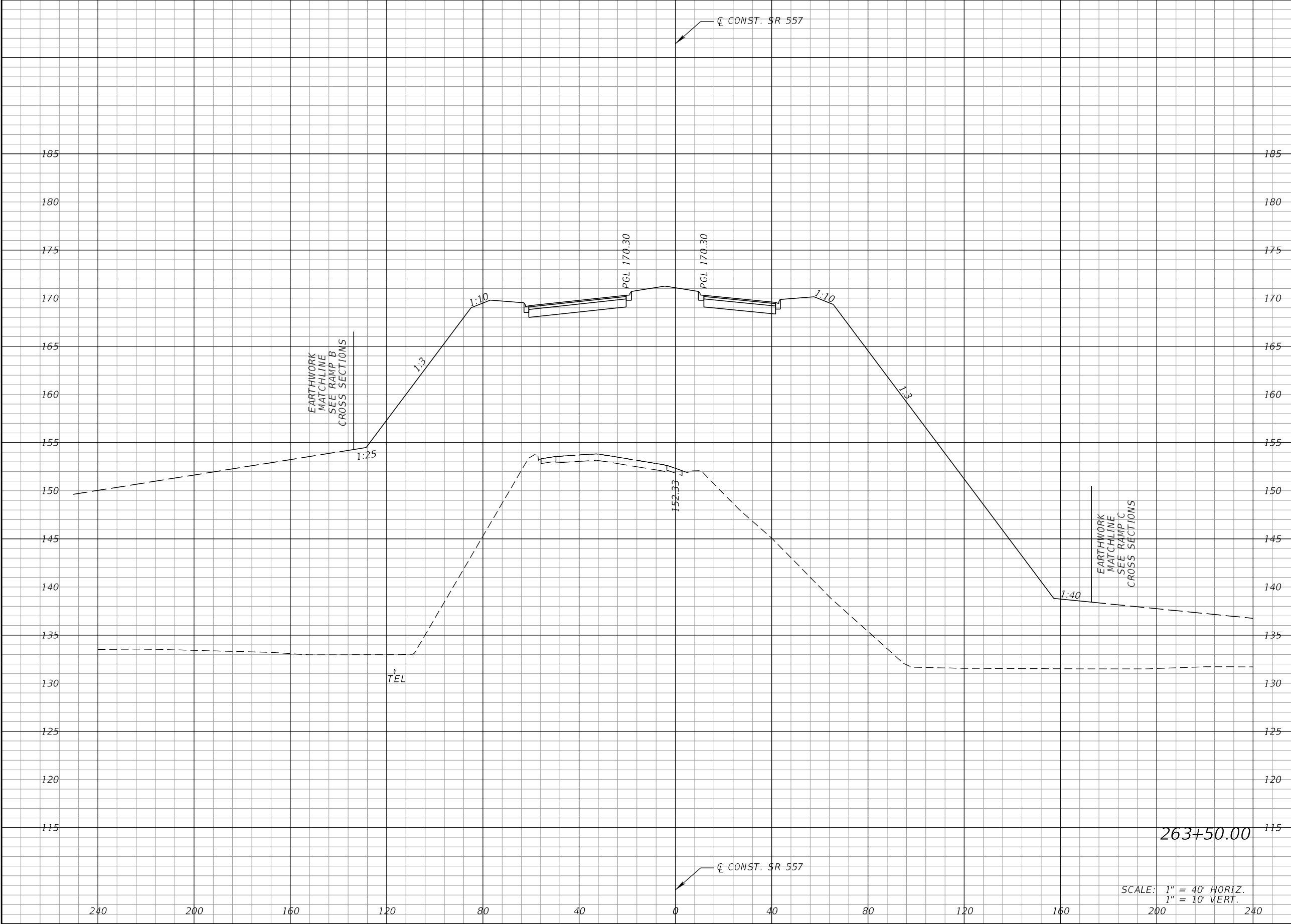
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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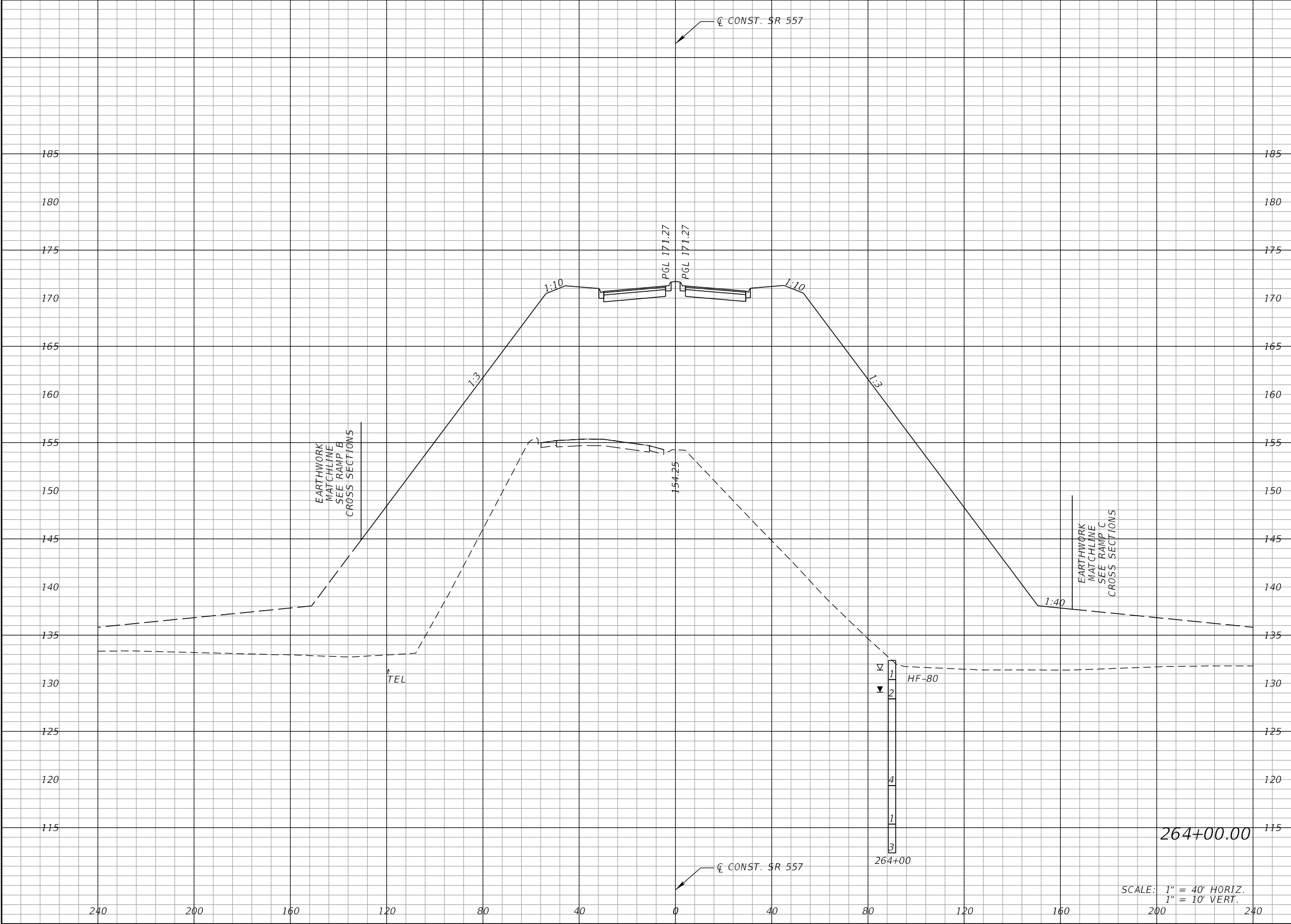
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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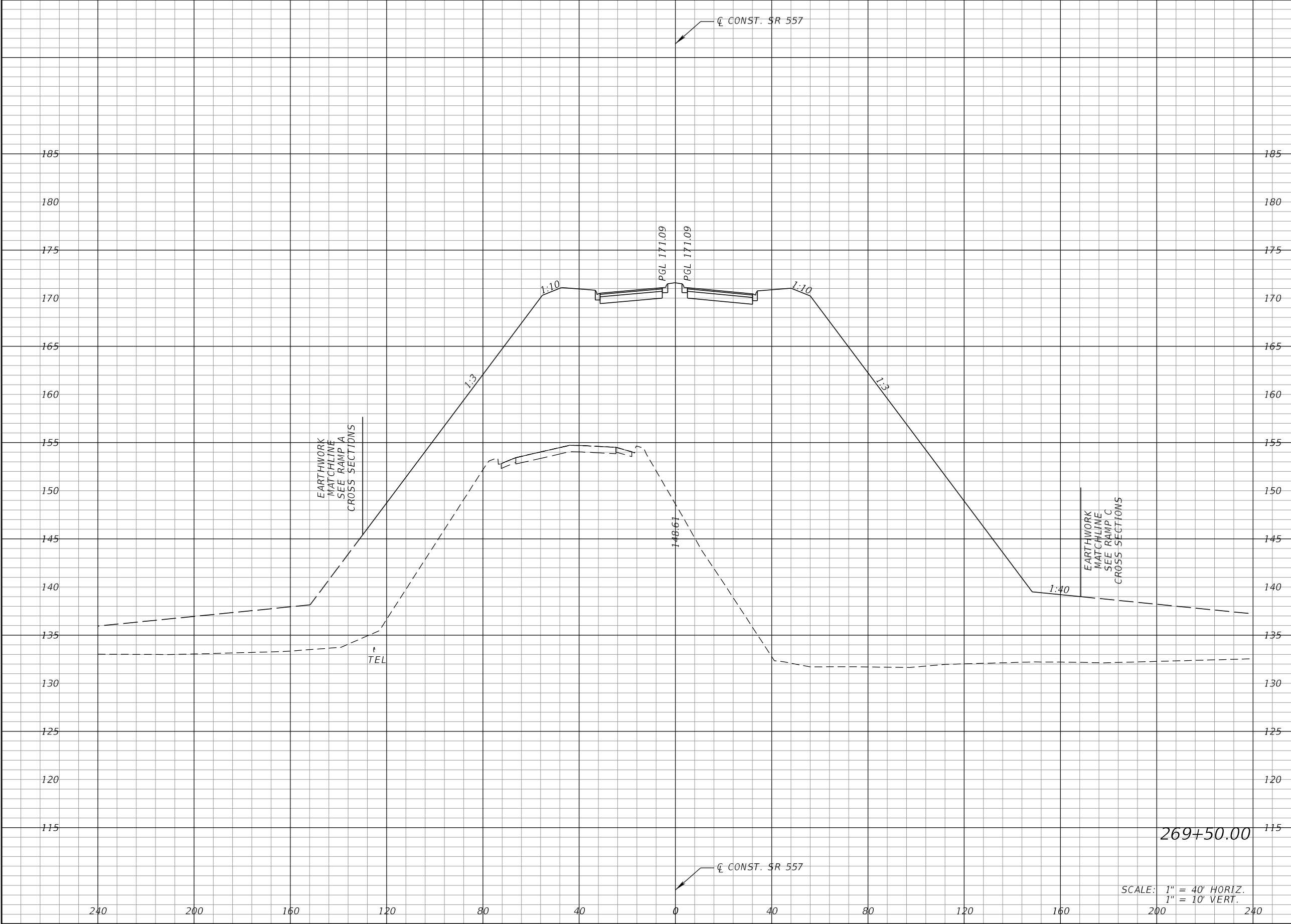
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 452
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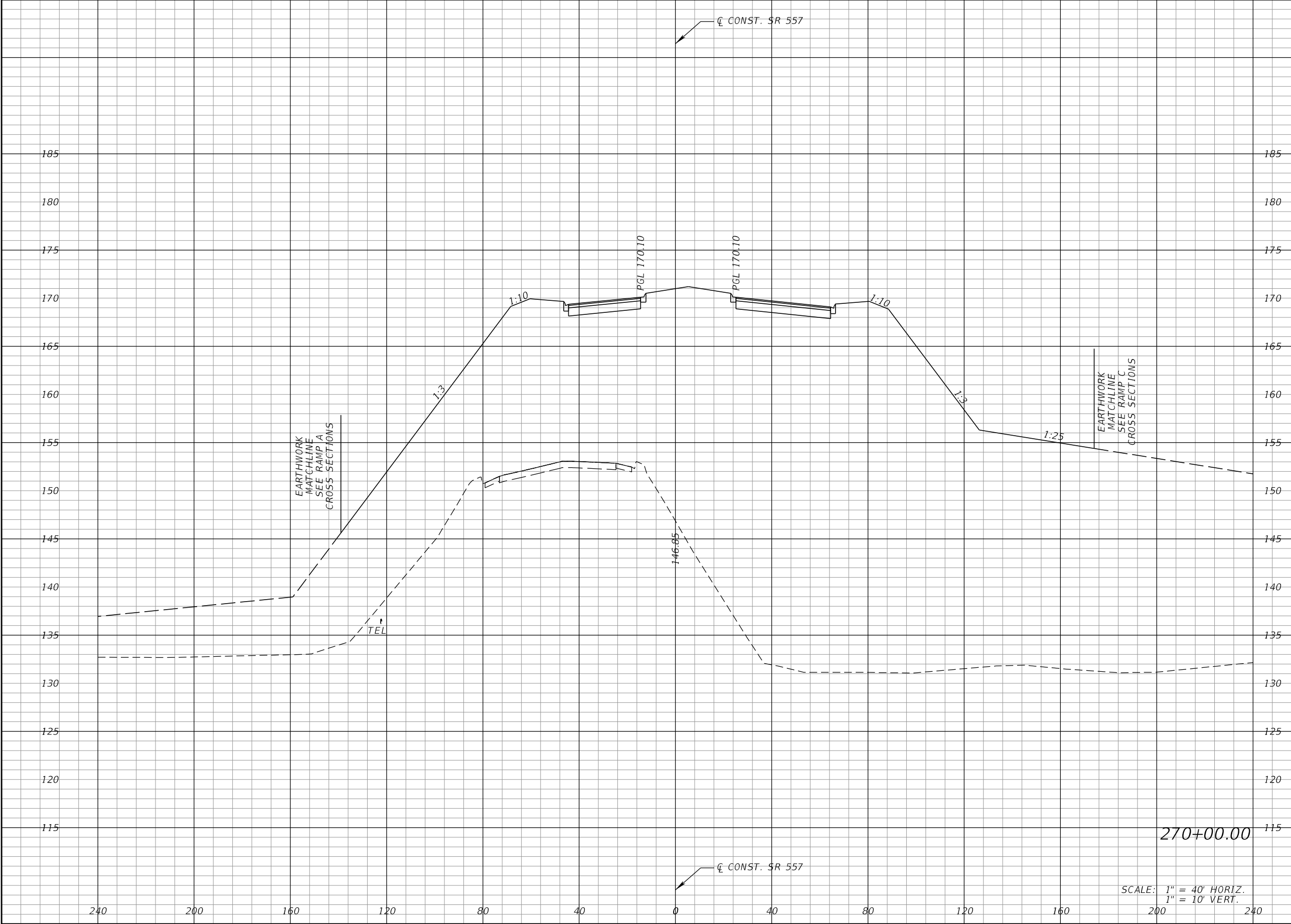
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
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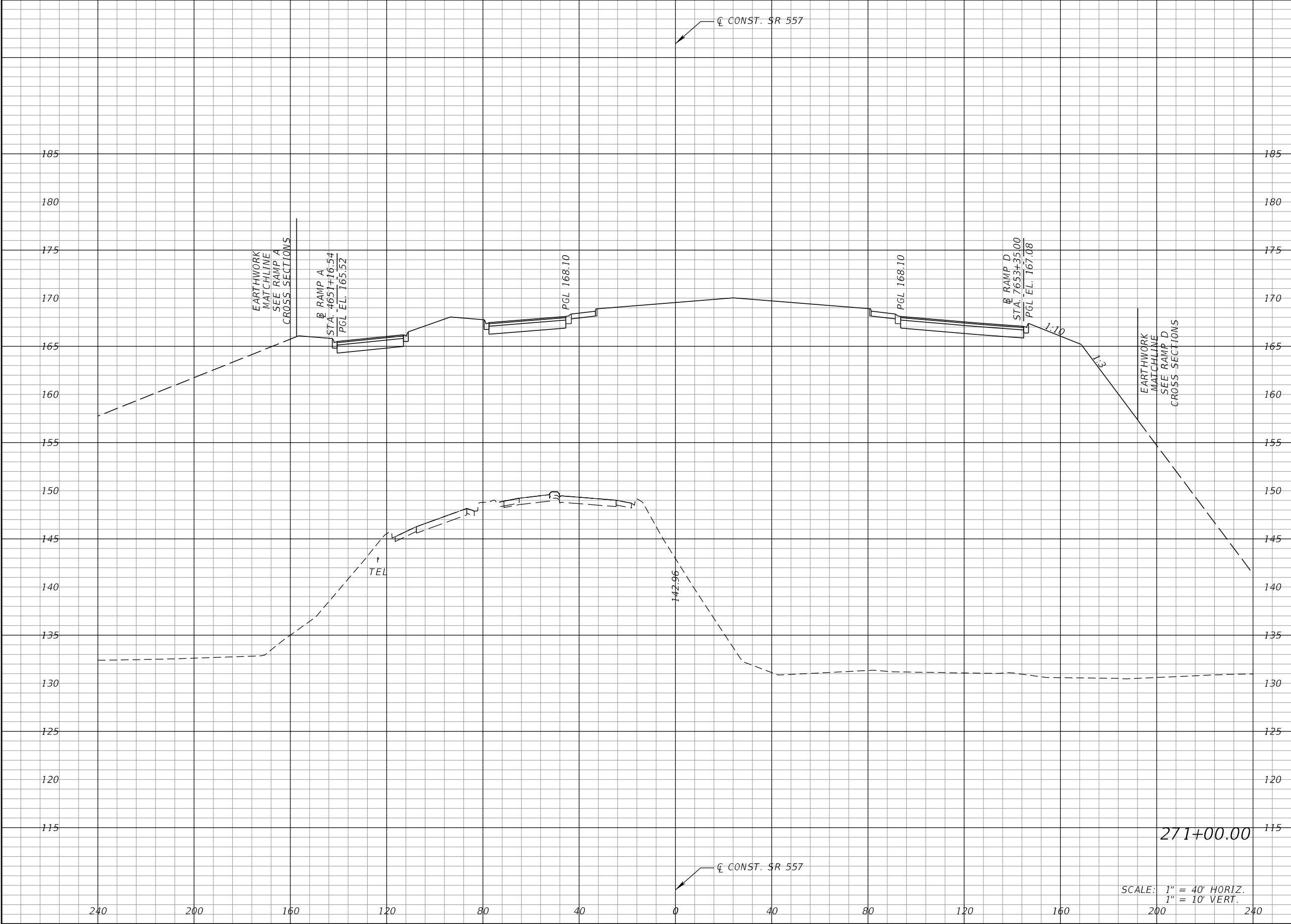
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Regular		Exc.	Embankment	
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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 458
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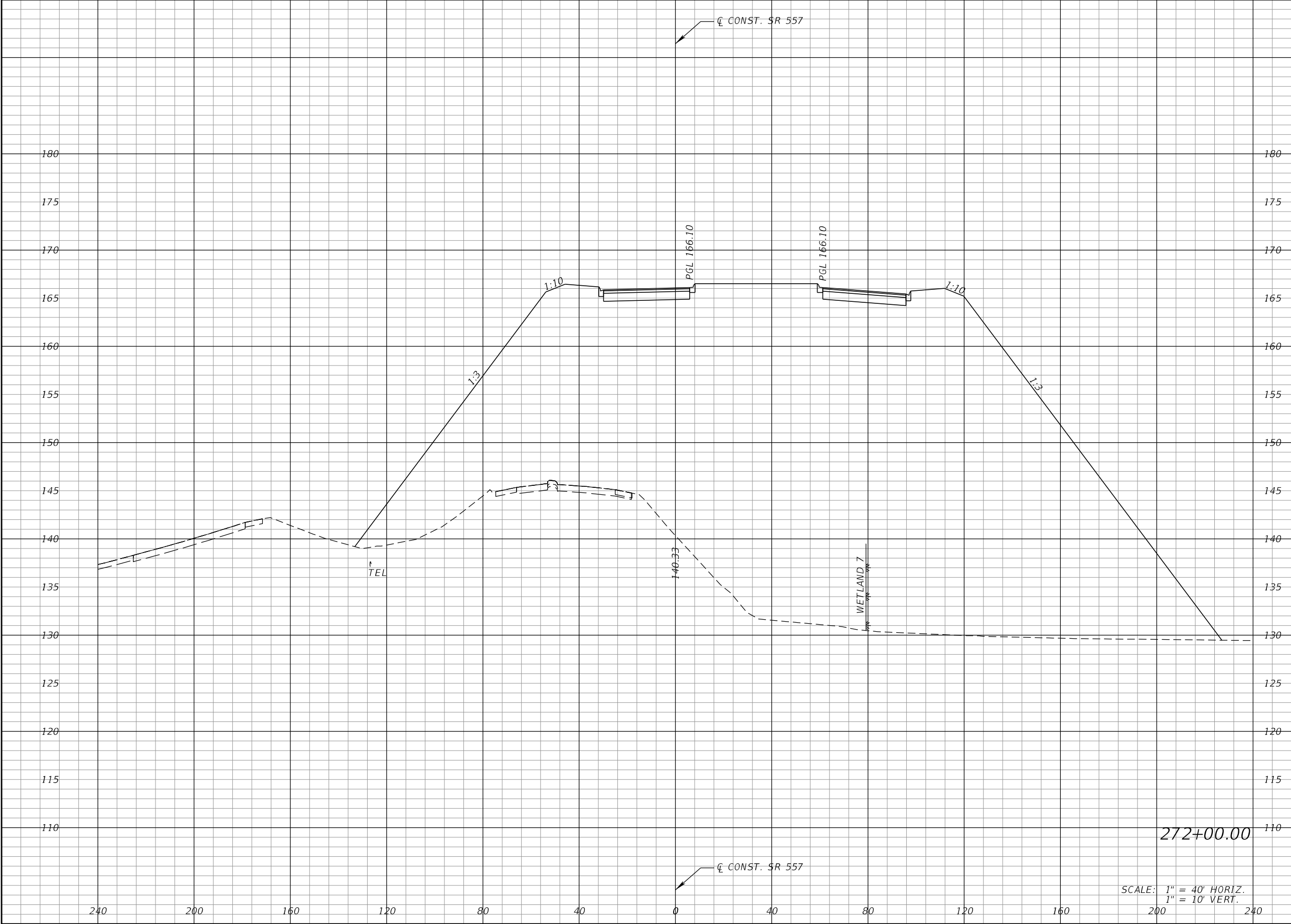
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 460
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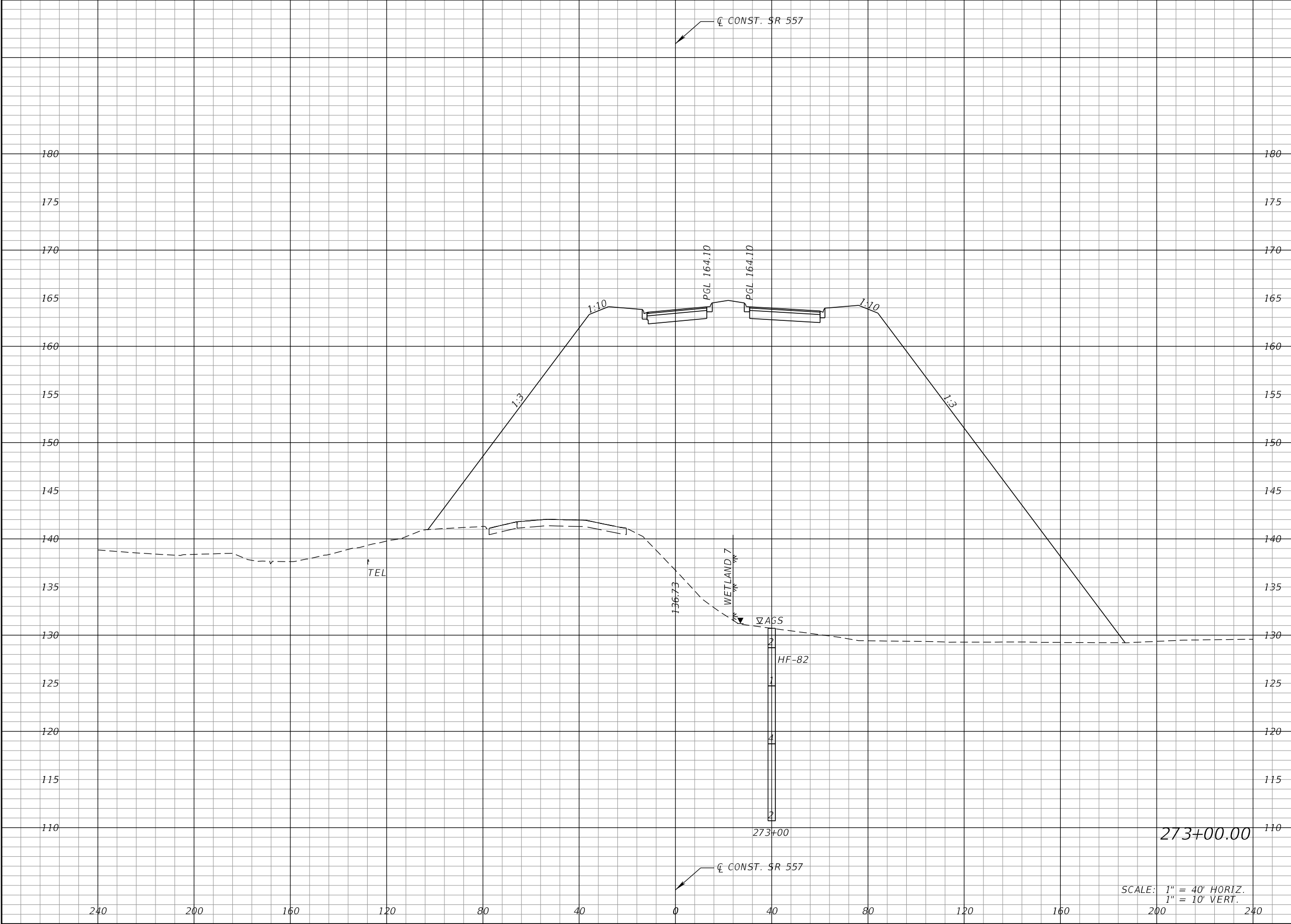
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Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 462
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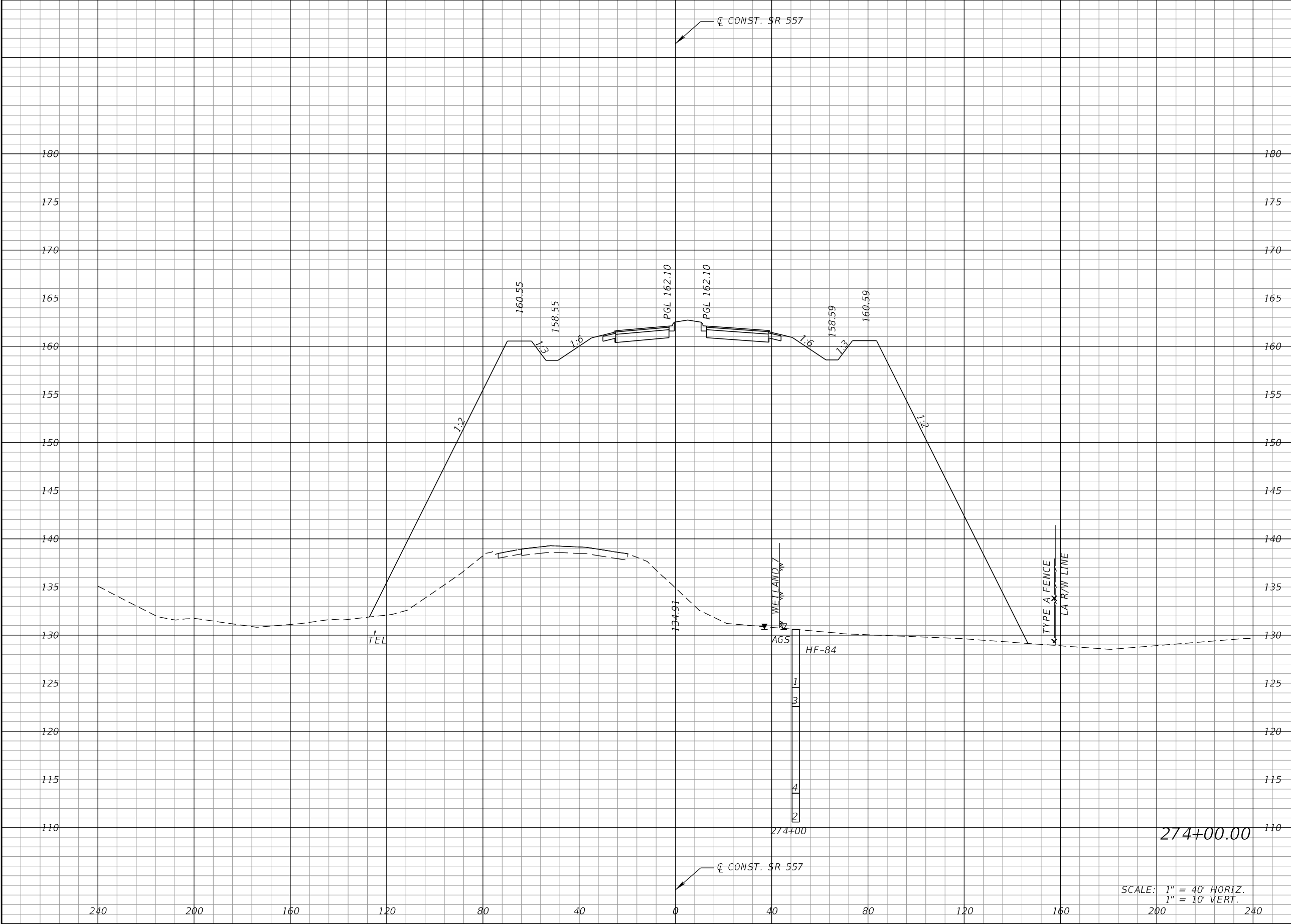
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Regular		Exc.		Embankment	
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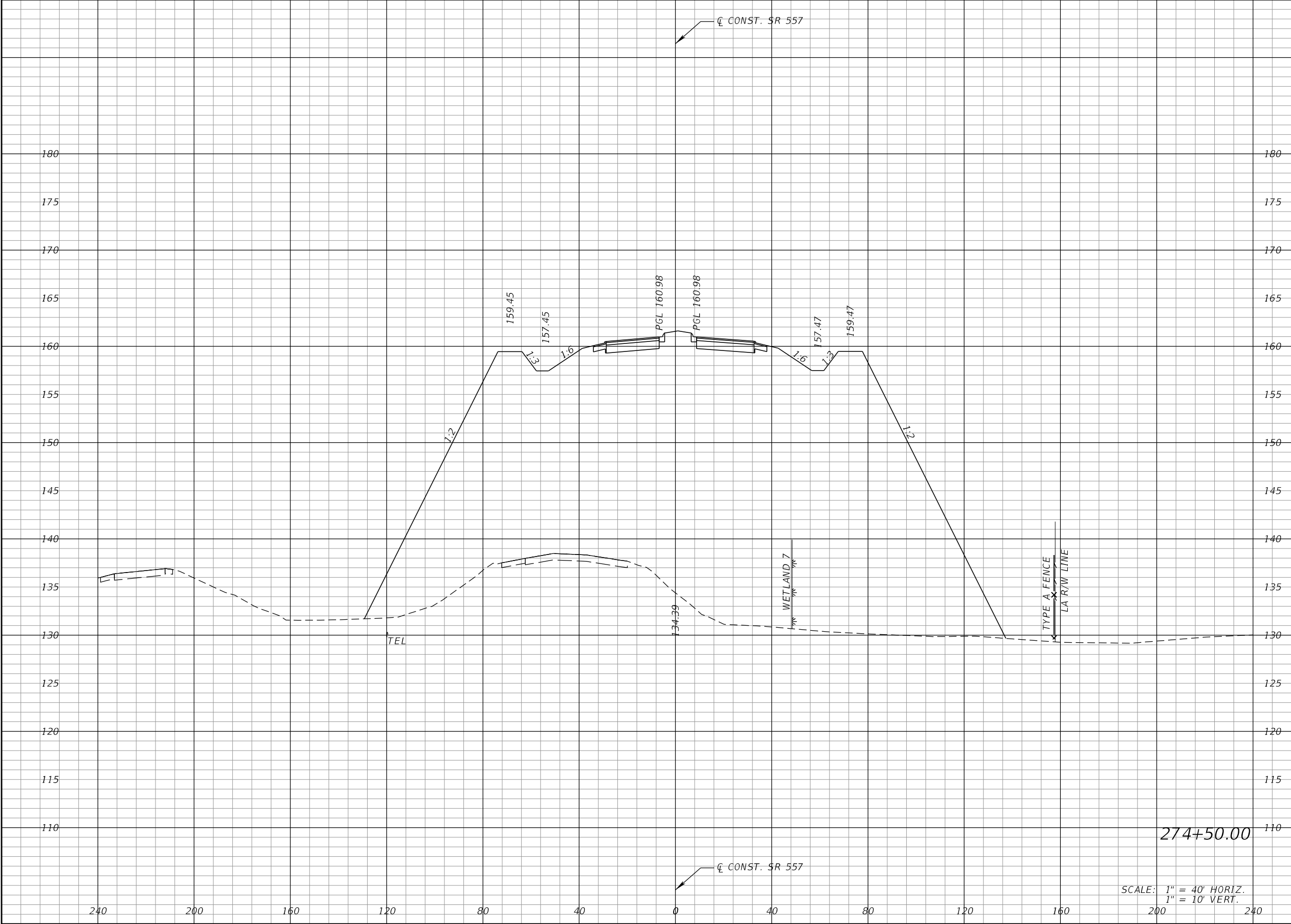
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 464
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			466	
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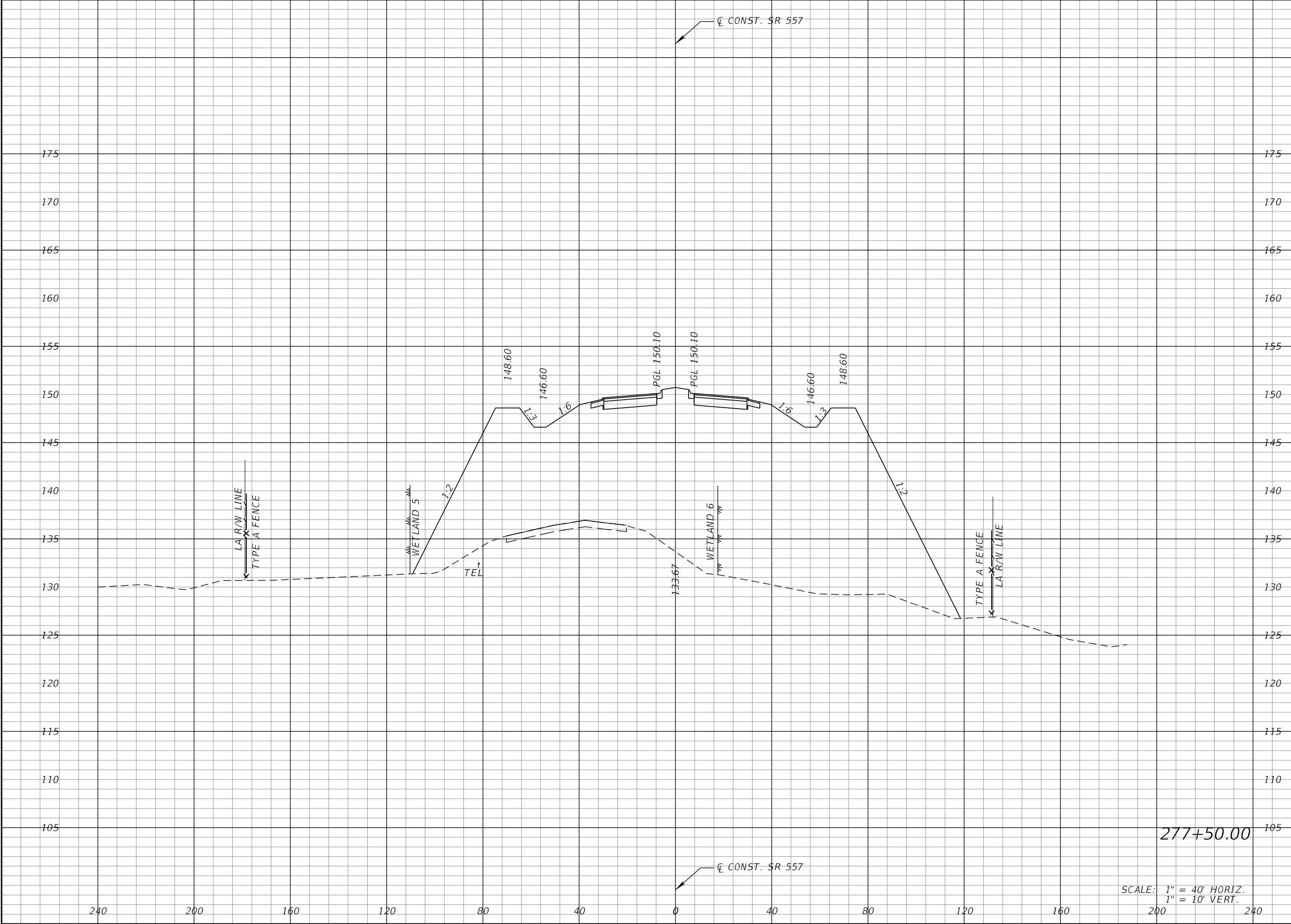
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 467
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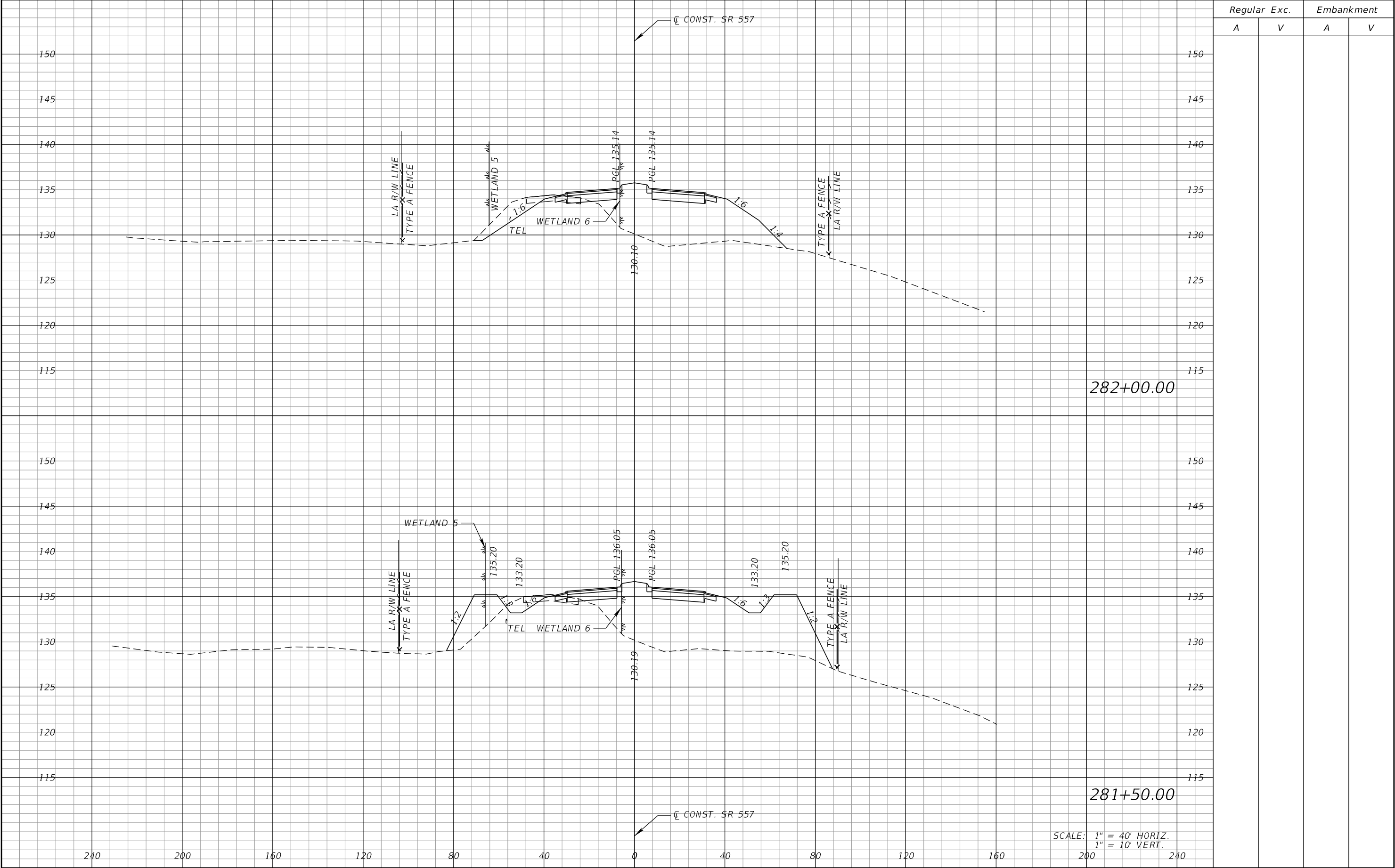
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
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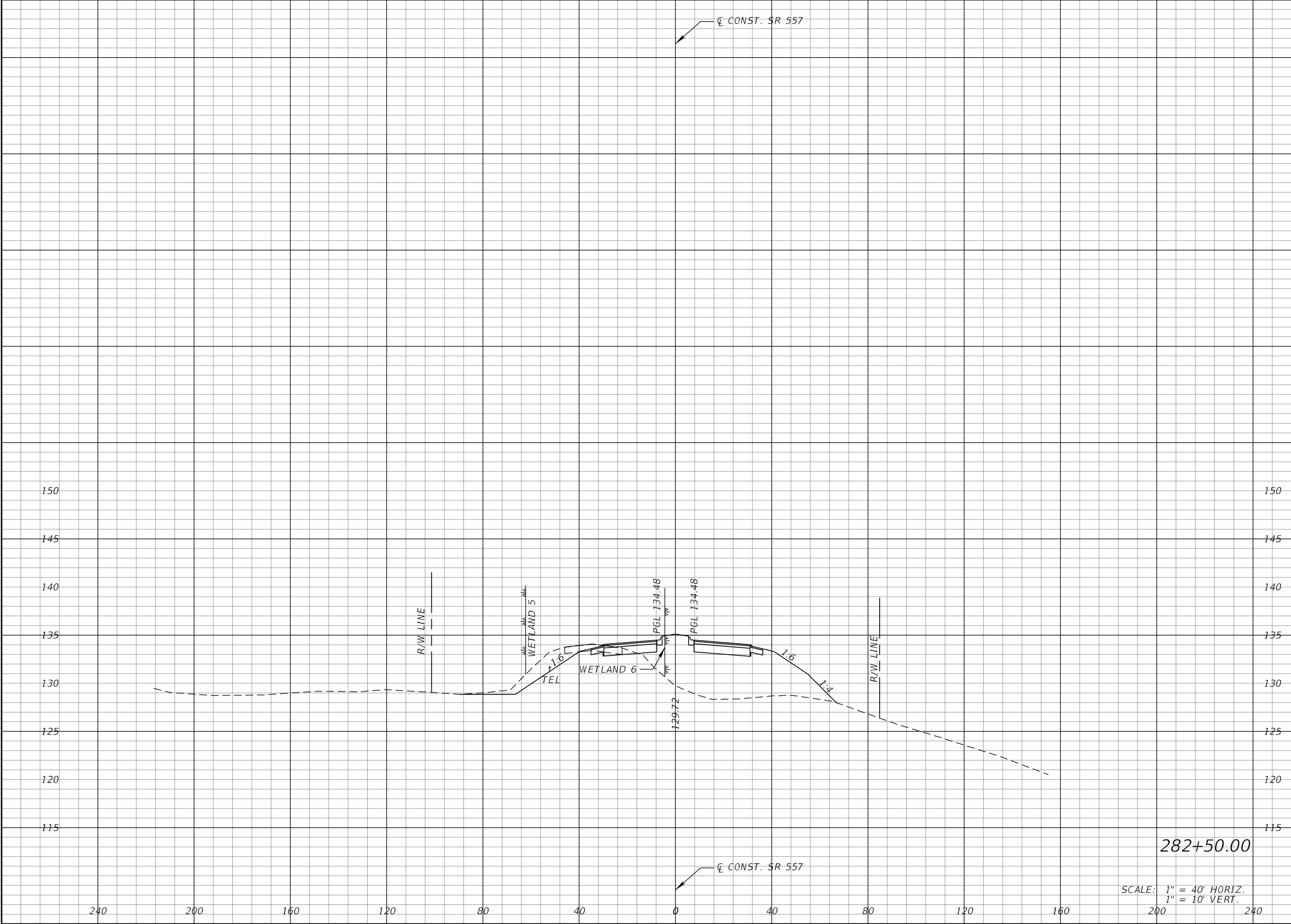
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			480	
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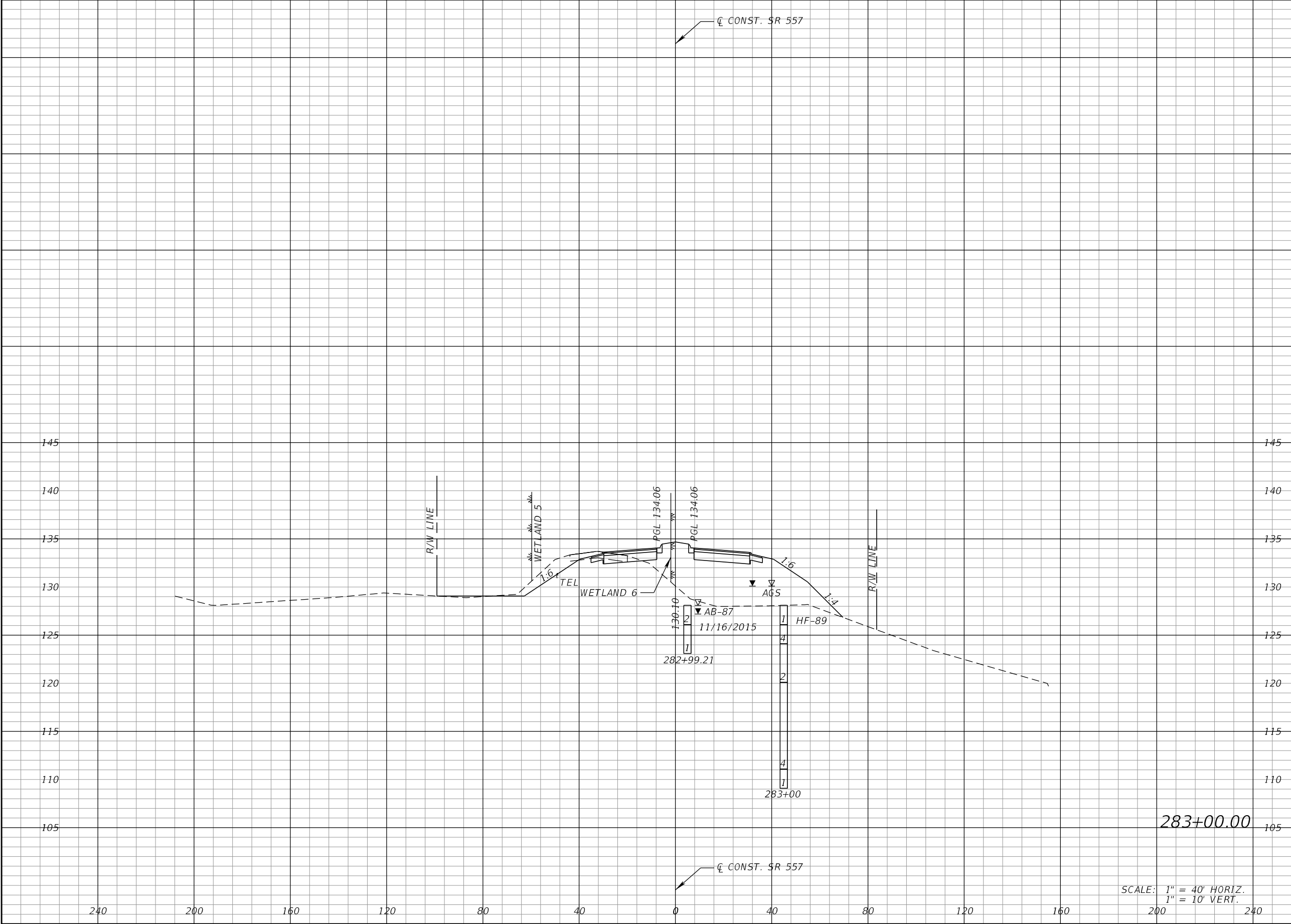
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		481
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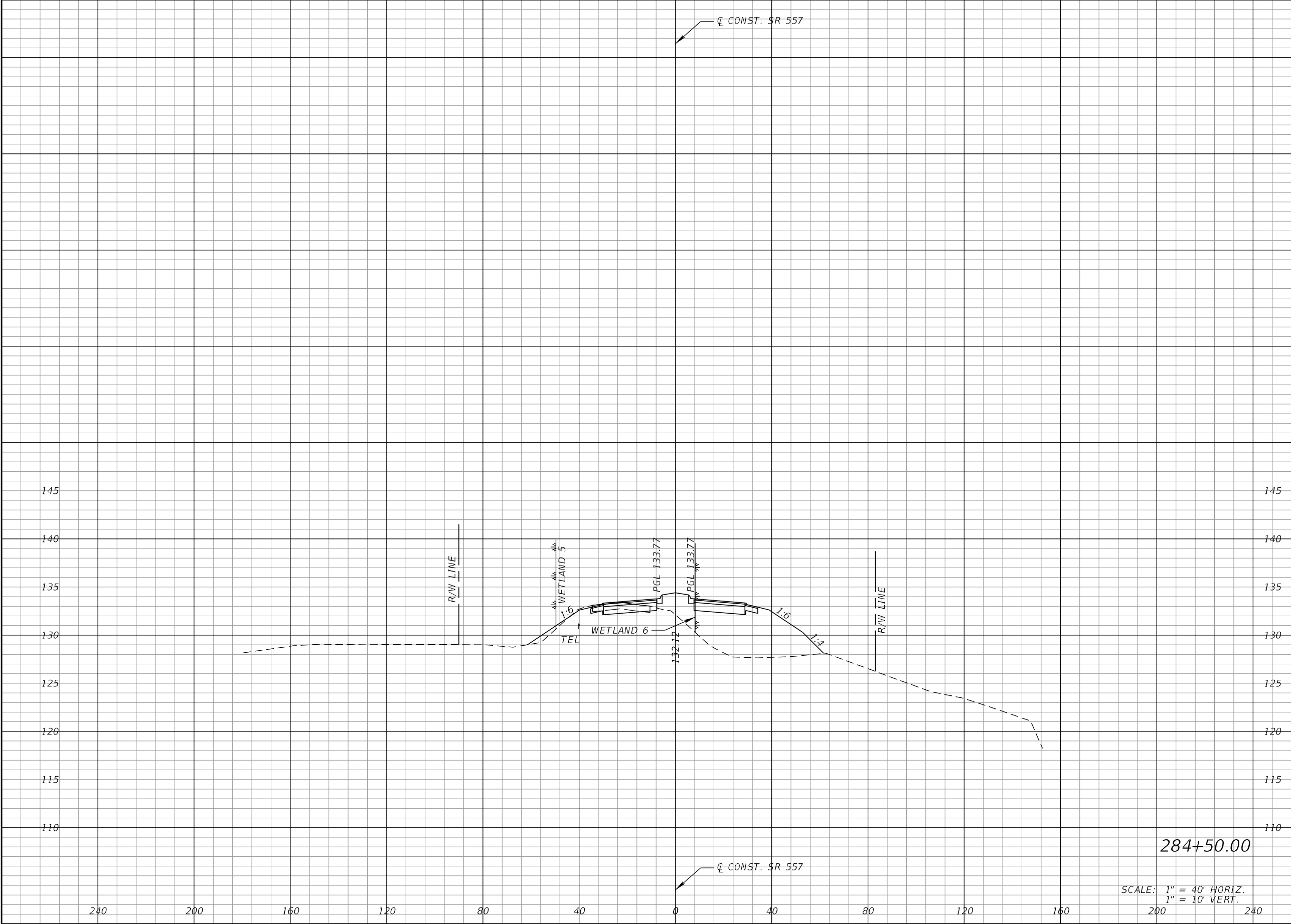
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
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REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 482
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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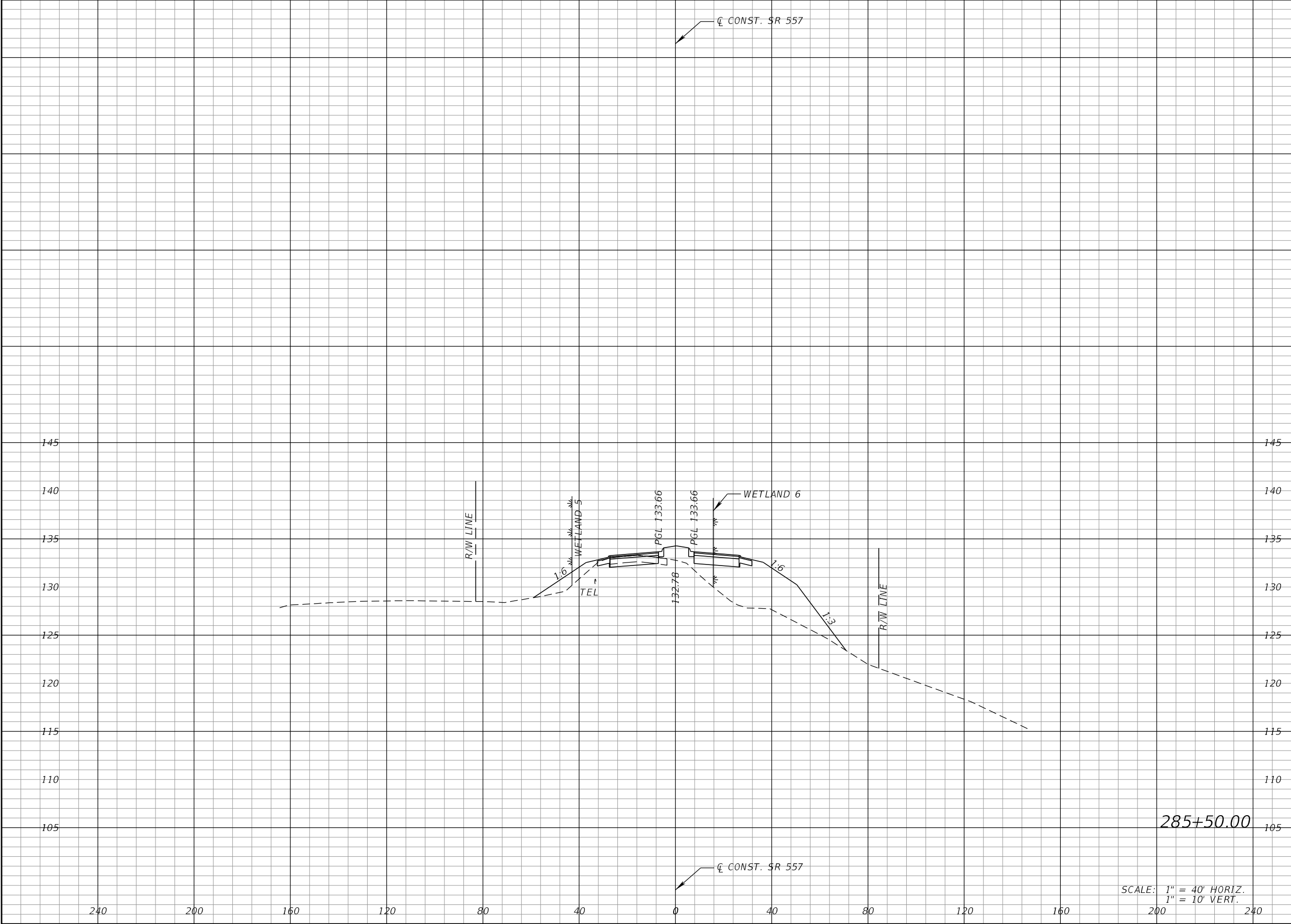
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.	Embankment	
A		V	A	V

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			484

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

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 520 SOUTH MAGNOLIA AVENUE ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS (SR 557)		SHEET NO. 486
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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

I.0 SITE DESCRIPTION:

(I.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE WIDENING OF I-4 (SR 400) AND SR 557 IN POLK COUNTY. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SHOULDER GUTTER STORMWATER MANAGEMENT FACILITIES, DITCHES. THE PROJECT EXTENDS A DISTANCE OF 2.7 MILES.

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

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

LIST OF INTENDED ACTIVITIES:

- (I.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.
- (I.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.
- (I.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION.
- (I.B.4.) OFFSITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(I.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 212.74 ACRES.
TOTAL AREA TO BE DISTURBED: 212.74 ACRES.

(I.D.) RUNOFF DATA:

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

RUNOFF COEFFICIENTS FOR:
GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.20
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.30

WEIGHTED RUN-OFF COEFFICIENT:
BEFORE: Cw (B) = 0.50 DURING: Cw (D) = 0.50-0.70 AFTER: Cw (A) = 0.70

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

SOIL DATA:

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 SHEET NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE:

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE
6 - EATON MUCKY FINE SAND	C/D	+2.0' - 0.0'
13 - SAMSULA MUCK	A/D	+2.0' - 0.0'
16 - URBAN LAND	C/D	0.0' - 1.5'
40 - WACHULA FINE SAND	C/D	0.0' - 1.5'

REFERENCE: USDA SOIL SURVEY OF POLK COUNTY FLORIDA

OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

THE OUTFALLS DISCHARGE INTO THE FOLLOWING BASINS:

BASIN	WBID	PARAMETER(S) OF CONCERN FOR 303(d) LISTING			
Basin 1	139G	None			
Basin 2	139G	None			
OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)					
	DESCRIPTION	DRAINAGE AREA	LATITUDE	LONGITUDE	RECEIVING WATERBODY
(a)	1 - 36" RCP	47.50 AC	N 28°10' 25"	W 81°45' 27"	GREEN SWAMP
(b)	4 - 36" RCP	167.64 AC	N 28°10' 49"	W 81°44' 42"	GREEN SWAMP

(I.E.) SITE MAP:

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

(I.F) RECEIVING WATERS:

THE PROPOSED TREATED STORMWATER RUNOFF WITHIN THE PROJECT LIMITS WILL OUTFALL TO ADJACENT WETLANDS AND ULTIMATELY INTO THE GREEN SWAMP.

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

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

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

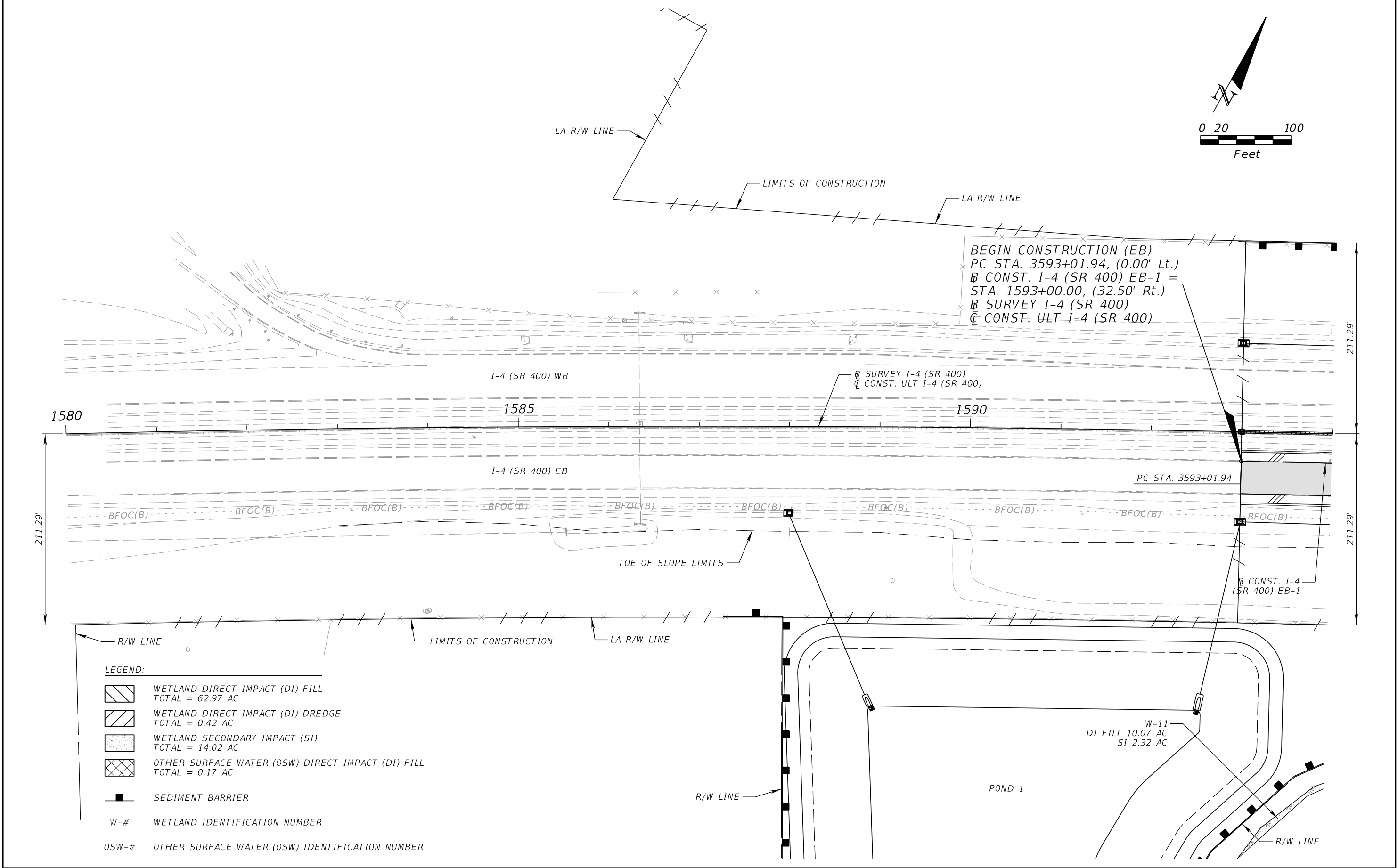
- (I.G.1.) EXISTING DRAINAGE FLOWS ARE TYPICALLY OVERLAND BY ROADSIDE DITCHES AND EITHER DRAIN TO EXISTING SMF'S OR DIRECTLY DISCHARGE INTO ADJACENT WETLANDS. THE CROSS SECTION SHEETS AND PLAN-PROFILE SHEETS PROVIDE THE APPROXIMATE SLOPE, AREAS OF SOIL DISTURBANCE AND AREAS TO BE STABILIZED. UNLESS OTHERWISE APPROVED BY THE PERMITS, THE CONSTRUCTION ACTIVITIES SHALL NOT MODIFY OR AFFECT THE EXISTING OFFSITE FLOW PATTERNS.
- (I.G.2.) THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

II. CONTROLS:

(II.A.) SEDIMENT AND EROSION CONTROLS

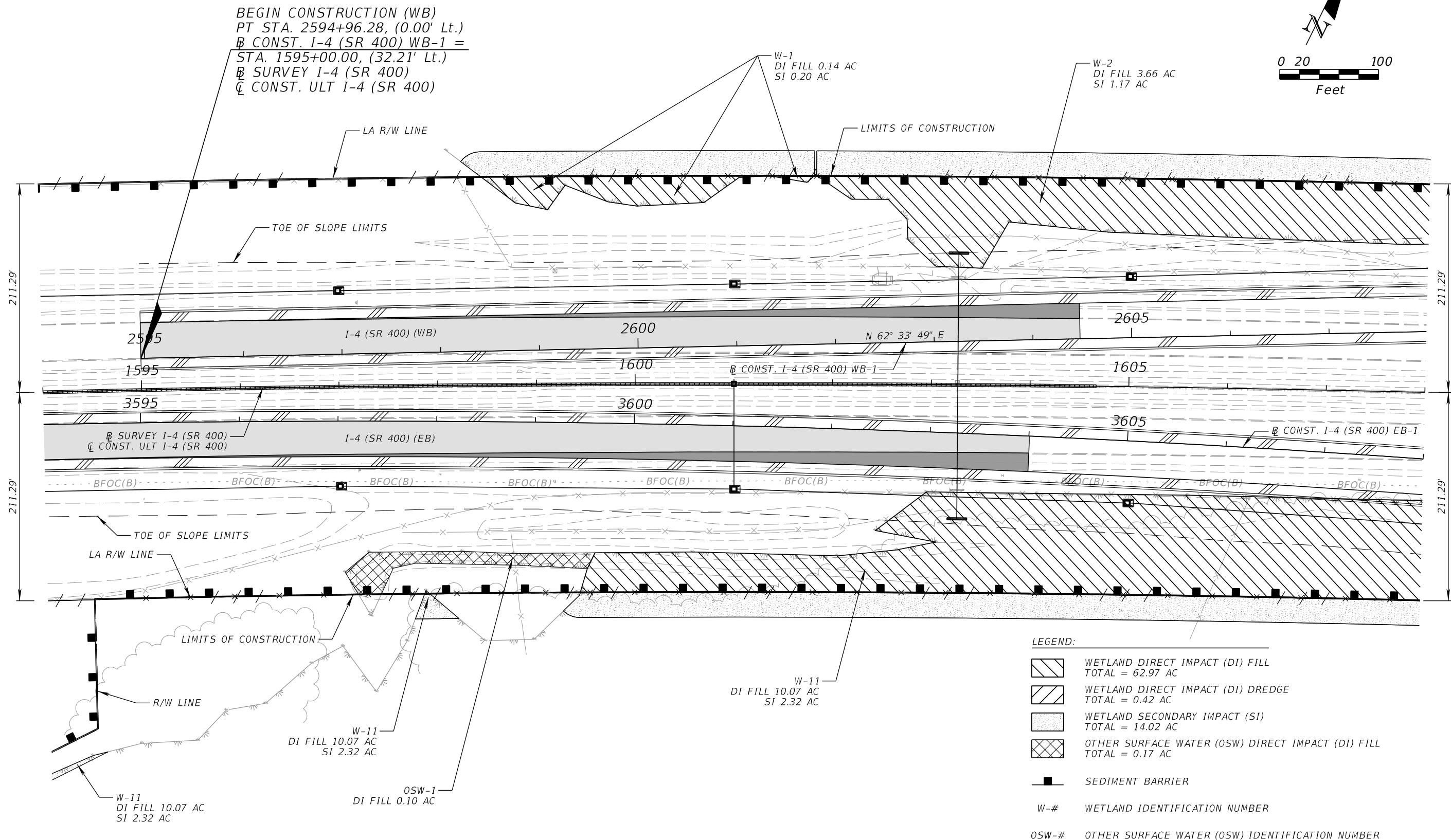
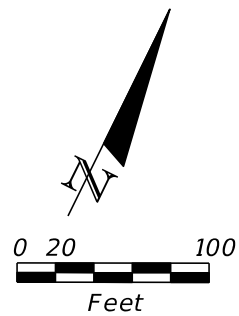
- (II.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.
- (II.A.2) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

REVISIONS						Renato E. Chuw, PE PE No. 56050 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			491
							SR 400	POLK	201215-3-52-01			



REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (1)		SHEET NO. ENV-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

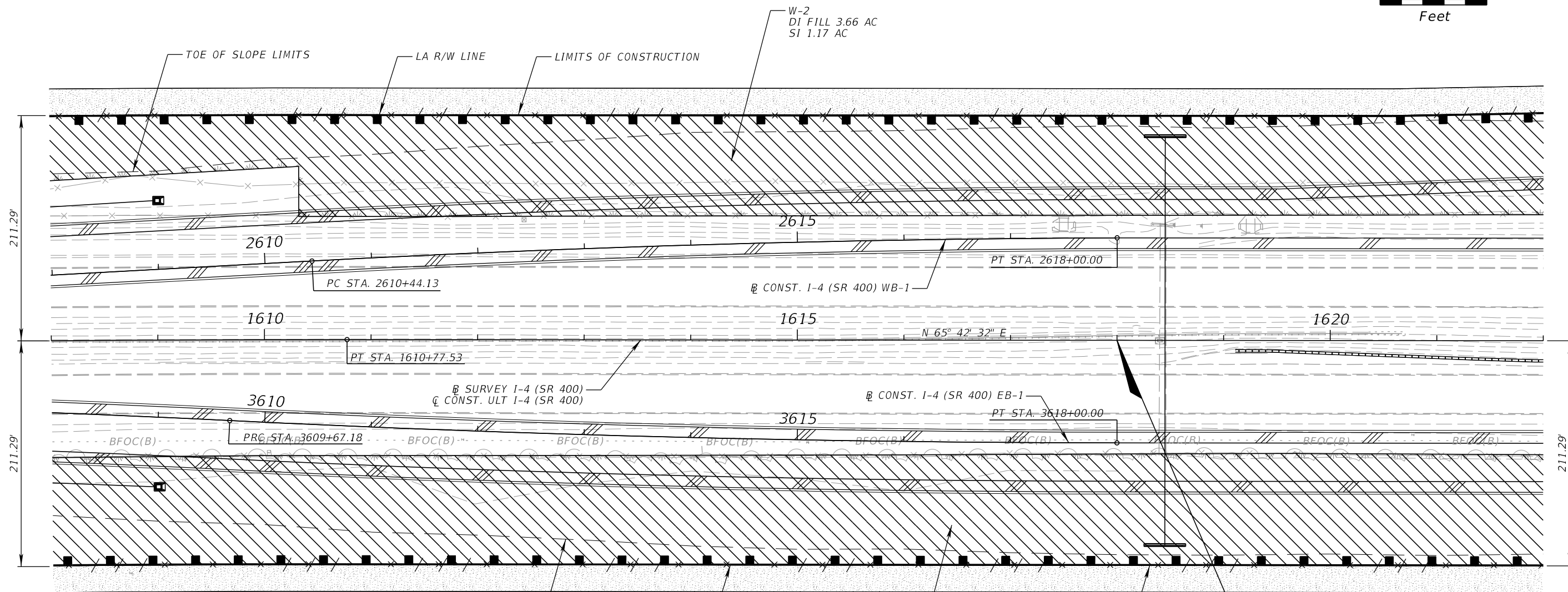
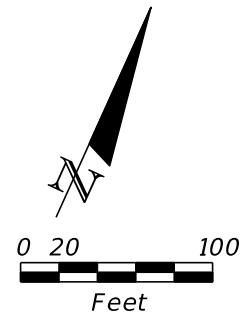
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- LEGEND:
- WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
 - WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
 - WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
 - OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
 - SEDIMENT BARRIER
 - W-# WETLAND IDENTIFICATION NUMBER
 - OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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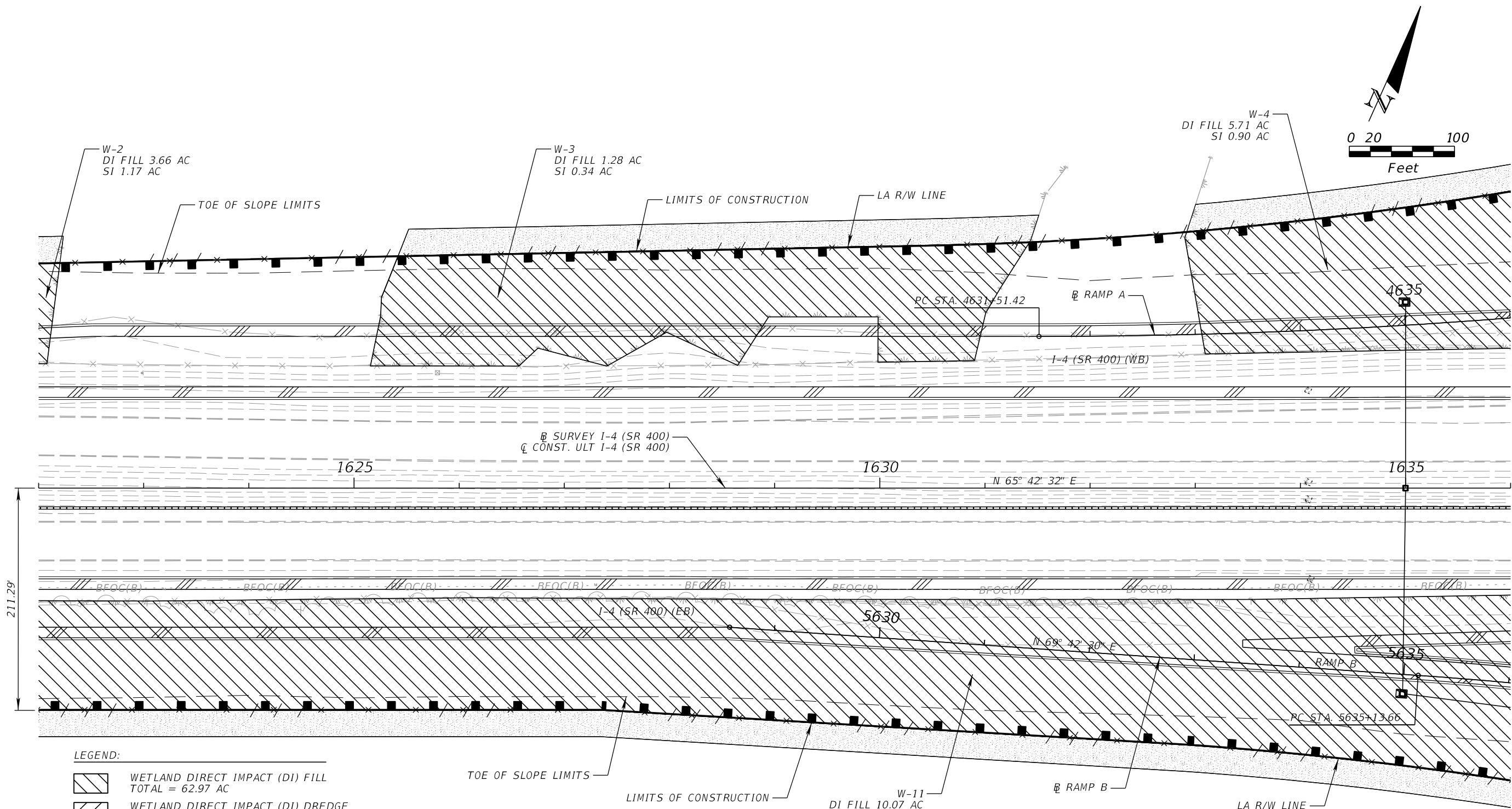
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BEGIN PROJECT
STA. 1618+00.00
B SURVEY I-4 (SR 400)
C CONST. ULT I-4 (SR 400)

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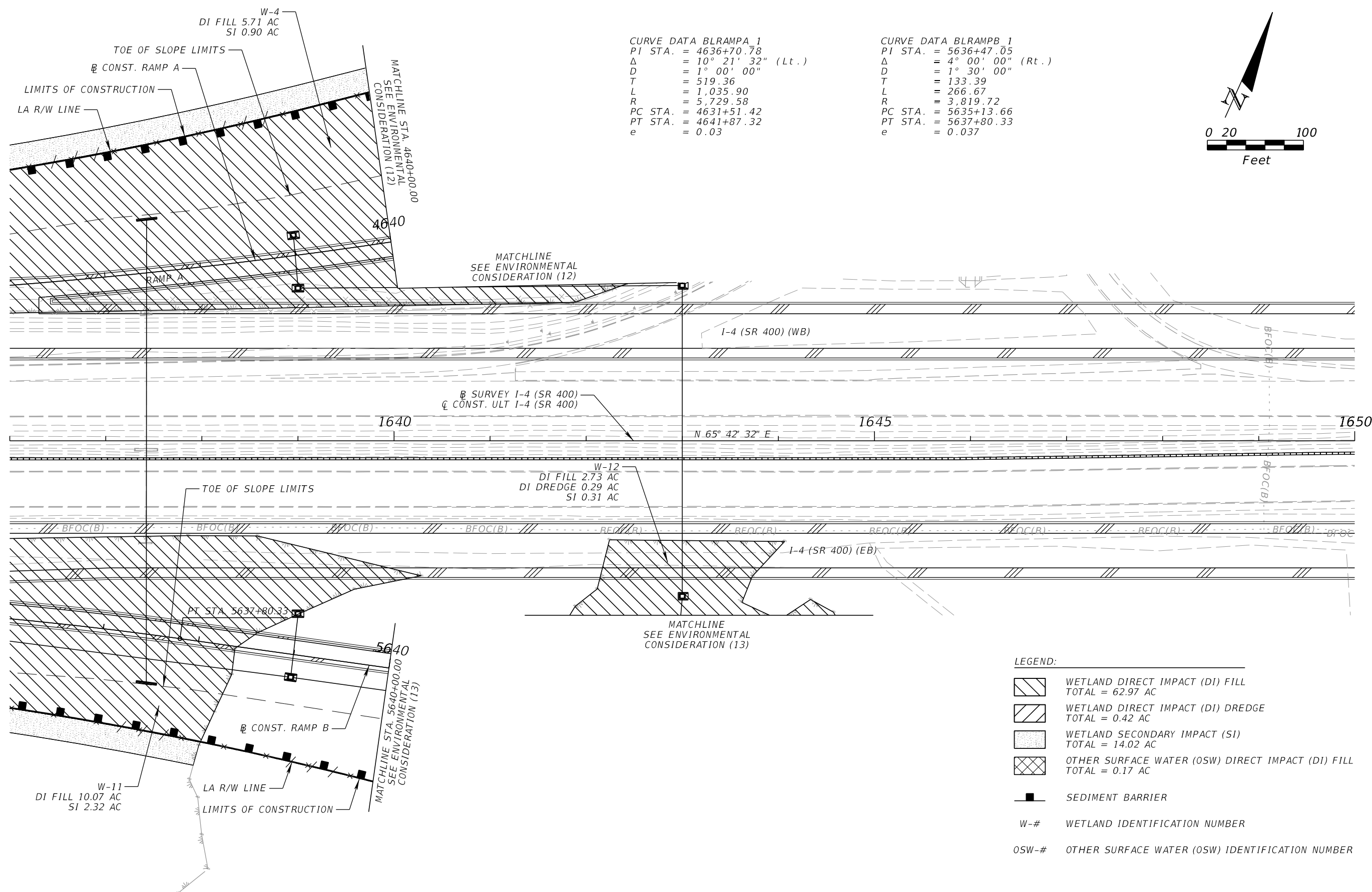
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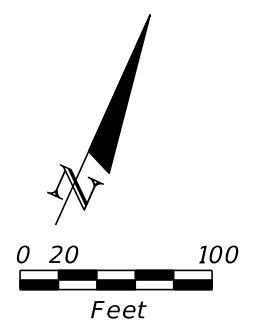
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		



CURVE DATA BLRAMP A
PI STA. = 4636+70.78
Δ = 10° 21' 32" (Lt.)
D = 1° 00' 00"
T = 519.36
L = 1,035.90
R = 5,729.58
PC STA. = 4631+51.42
PT STA. = 4641+87.32
e = 0.03

CURVE DATA BLRAMP B
PI STA. = 5636+47.05
Δ = 4° 00' 00" (Rt.)
D = 1° 30' 00"
T = 133.39
L = 266.67
R = 3,819.72
PC STA. = 5635+13.66
PT STA. = 5637+80.33
e = 0.037

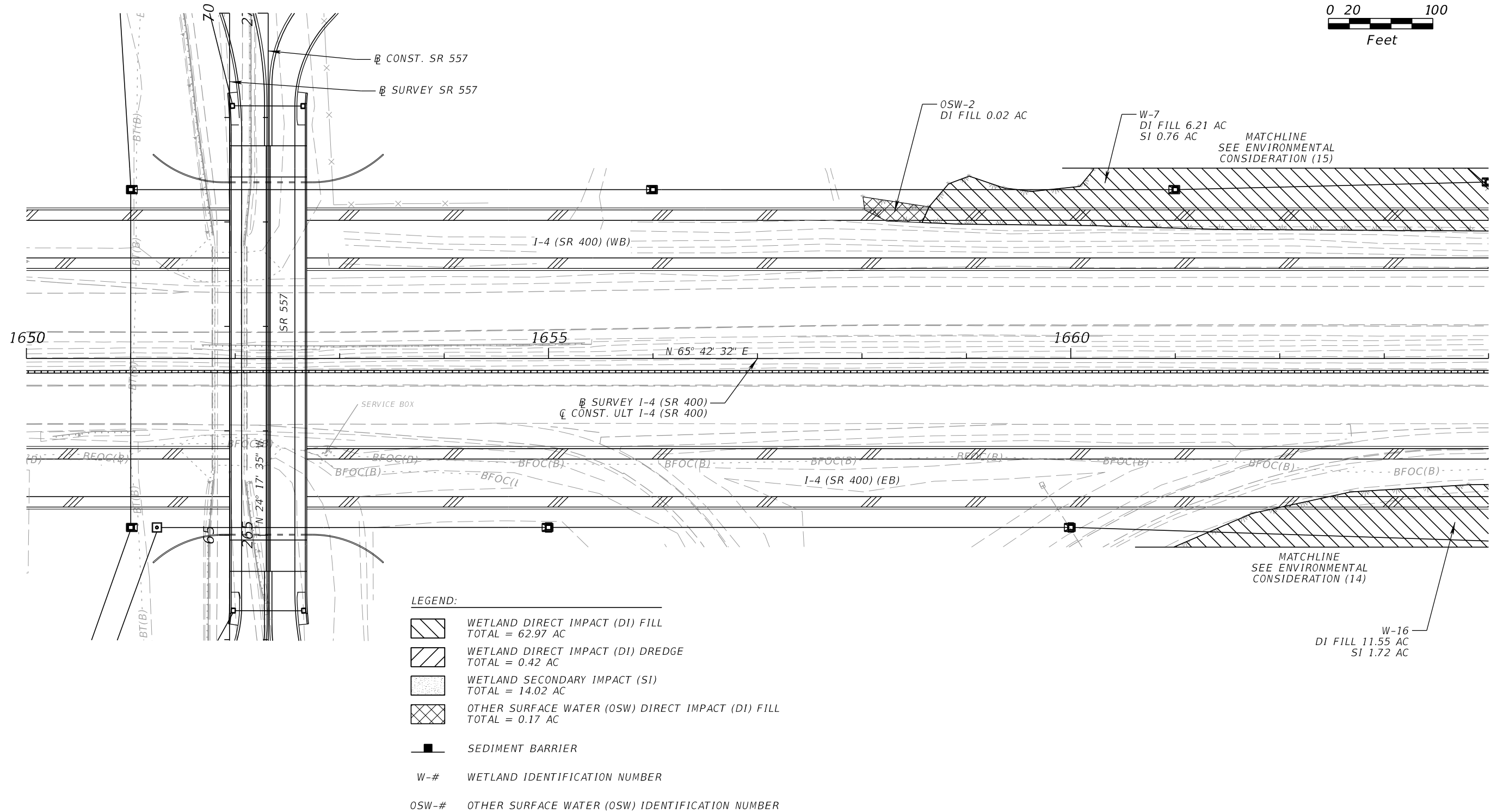
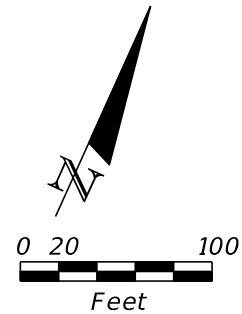


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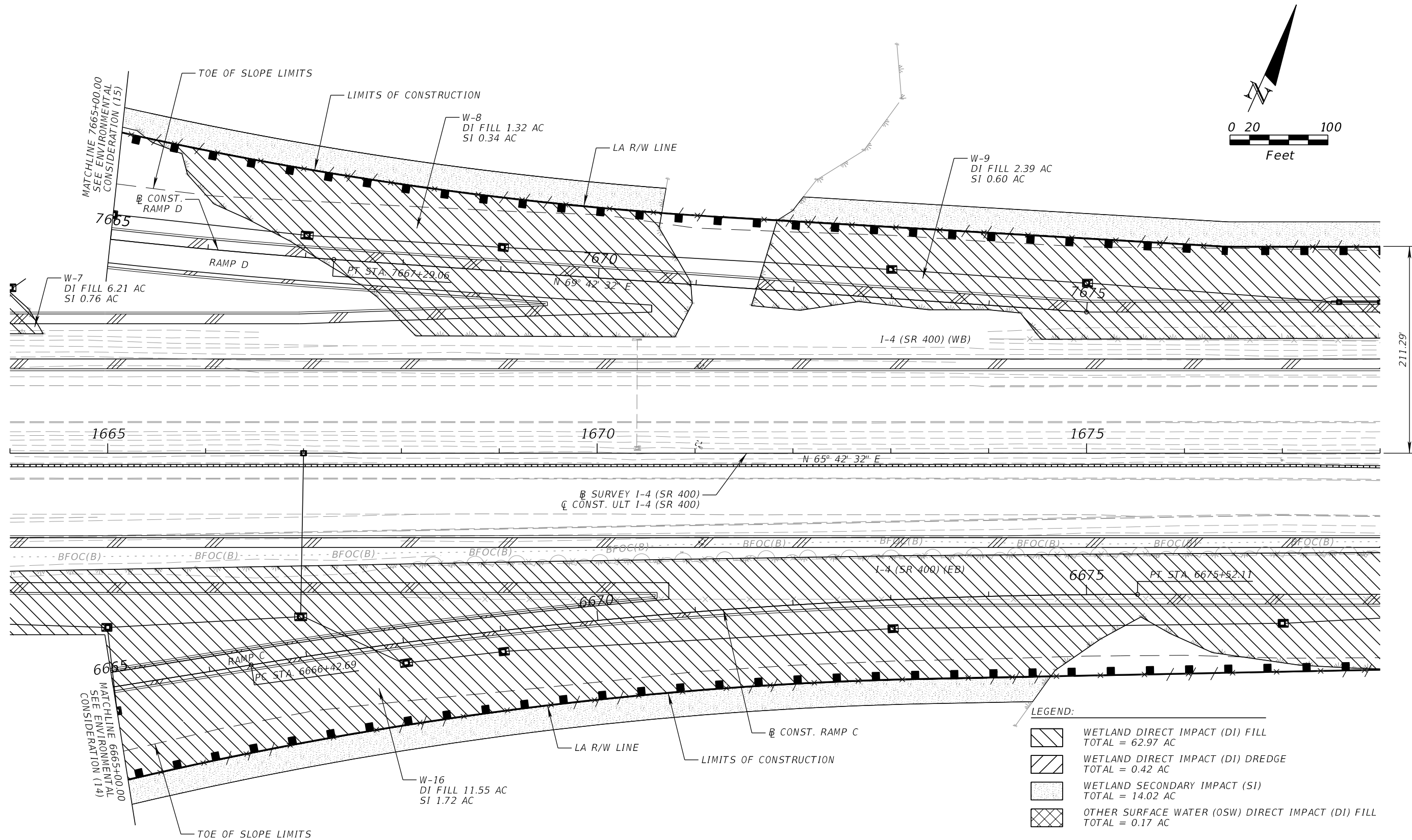
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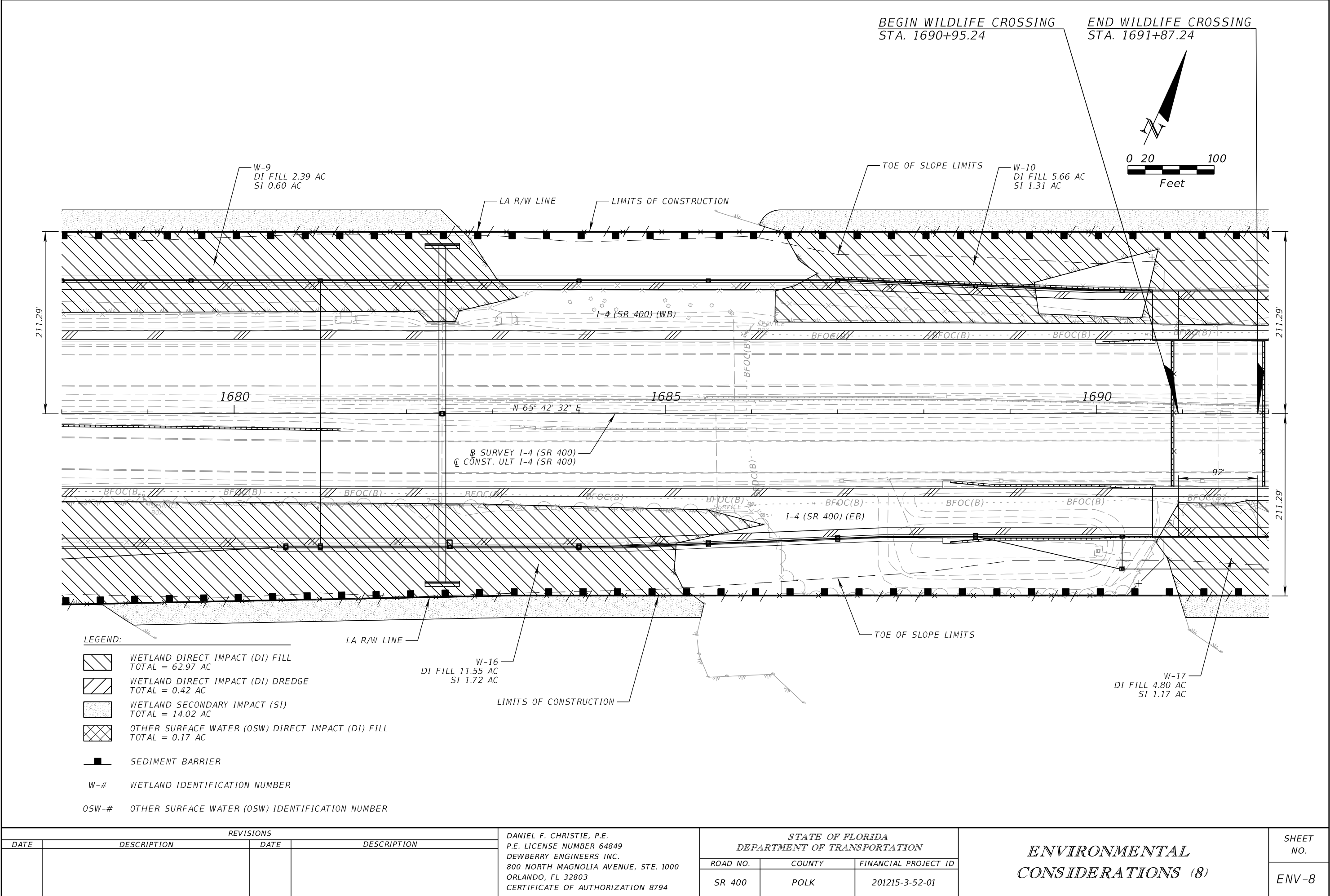
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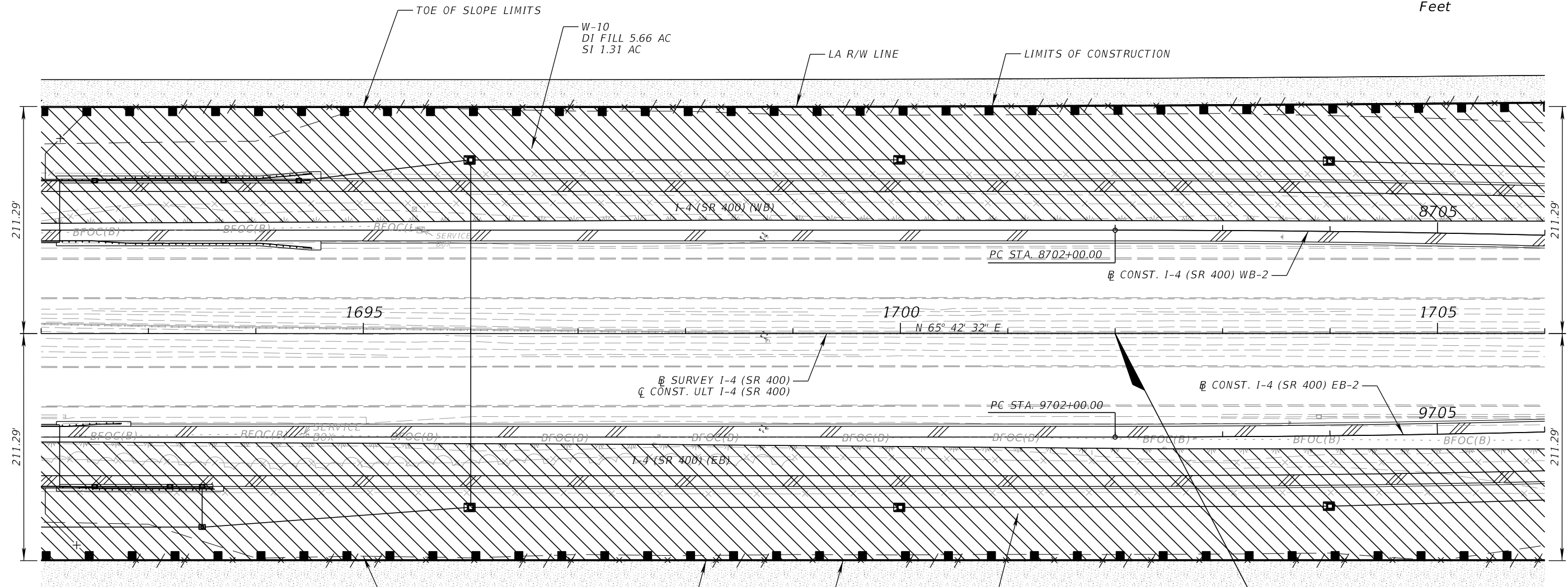
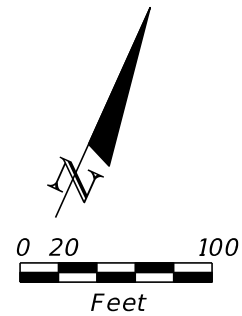


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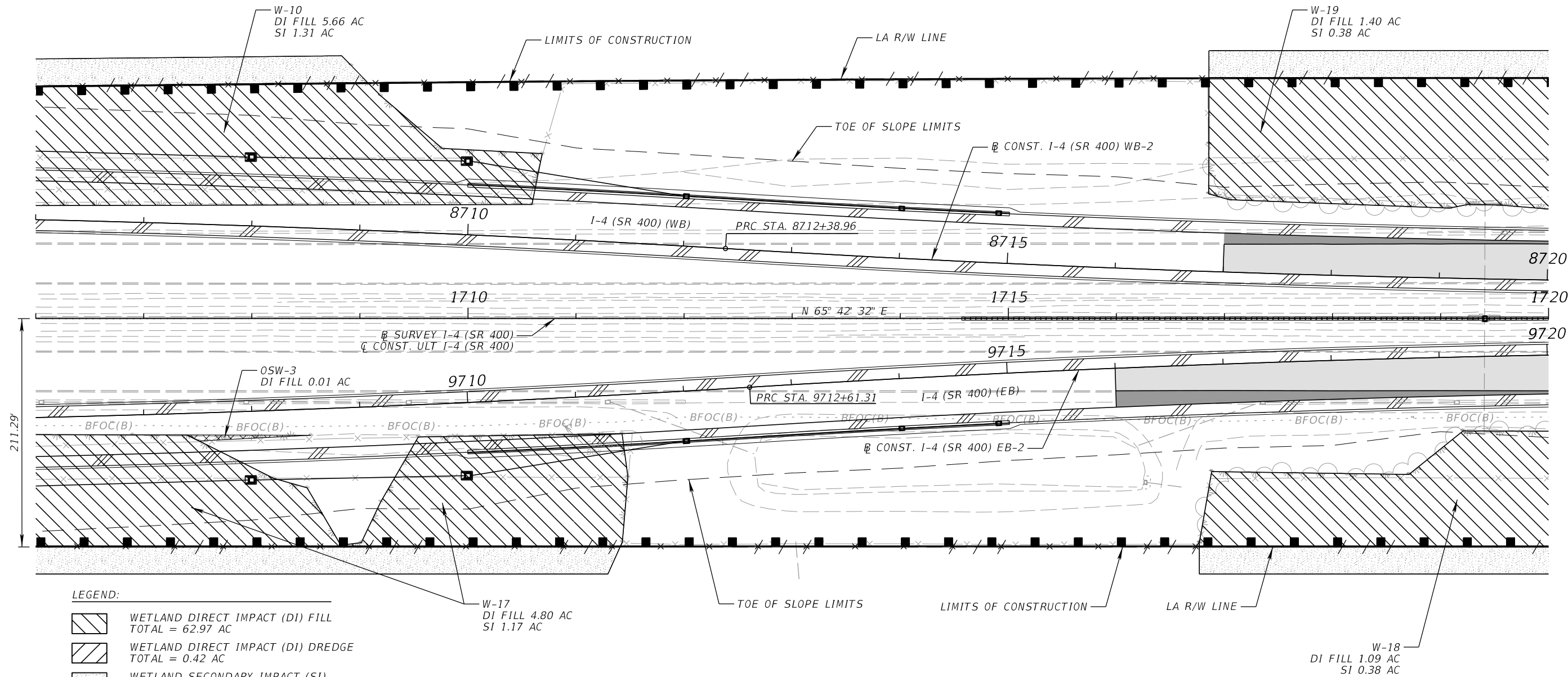
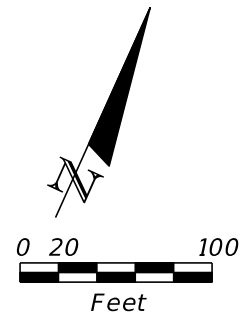


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




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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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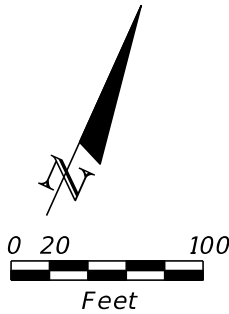
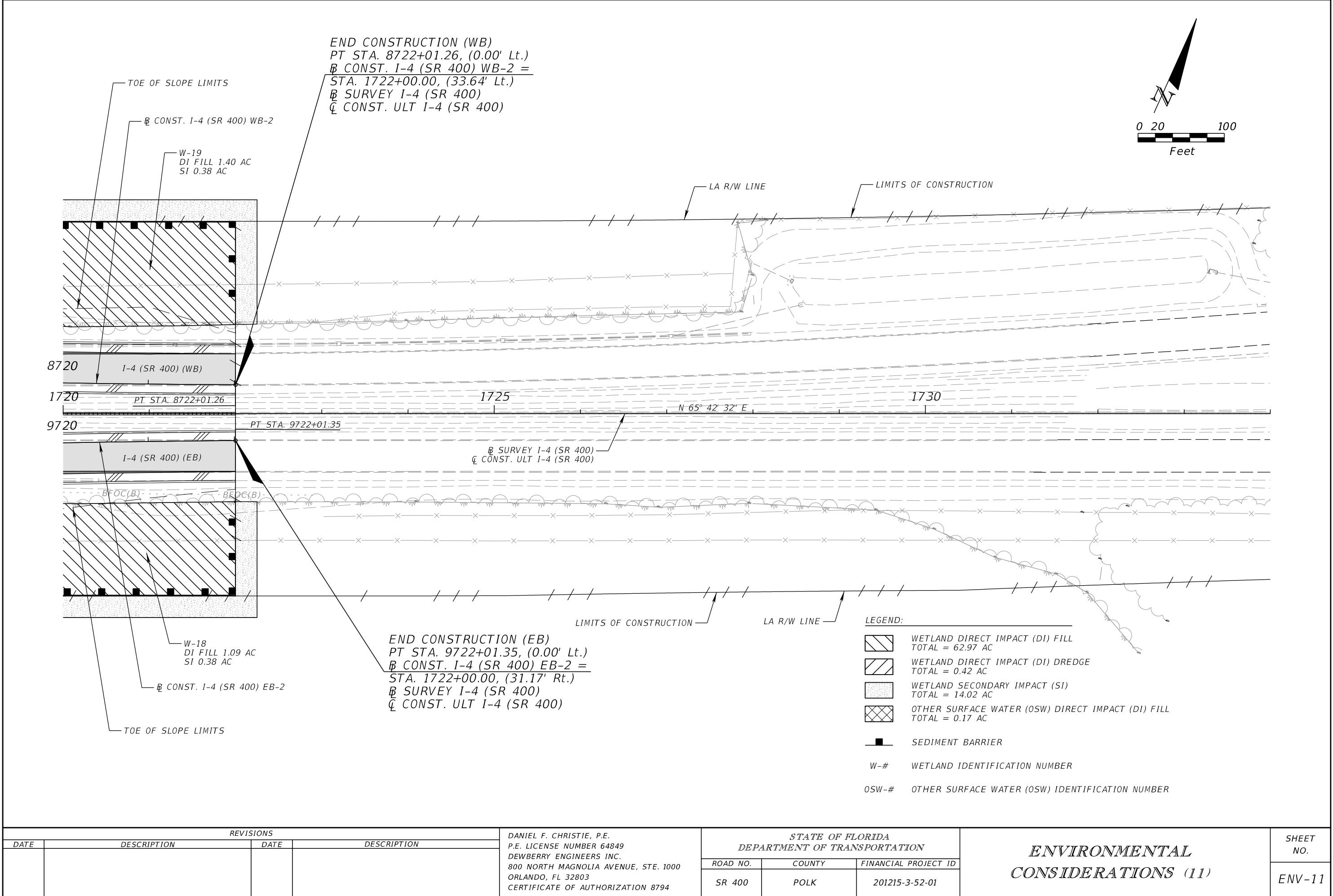
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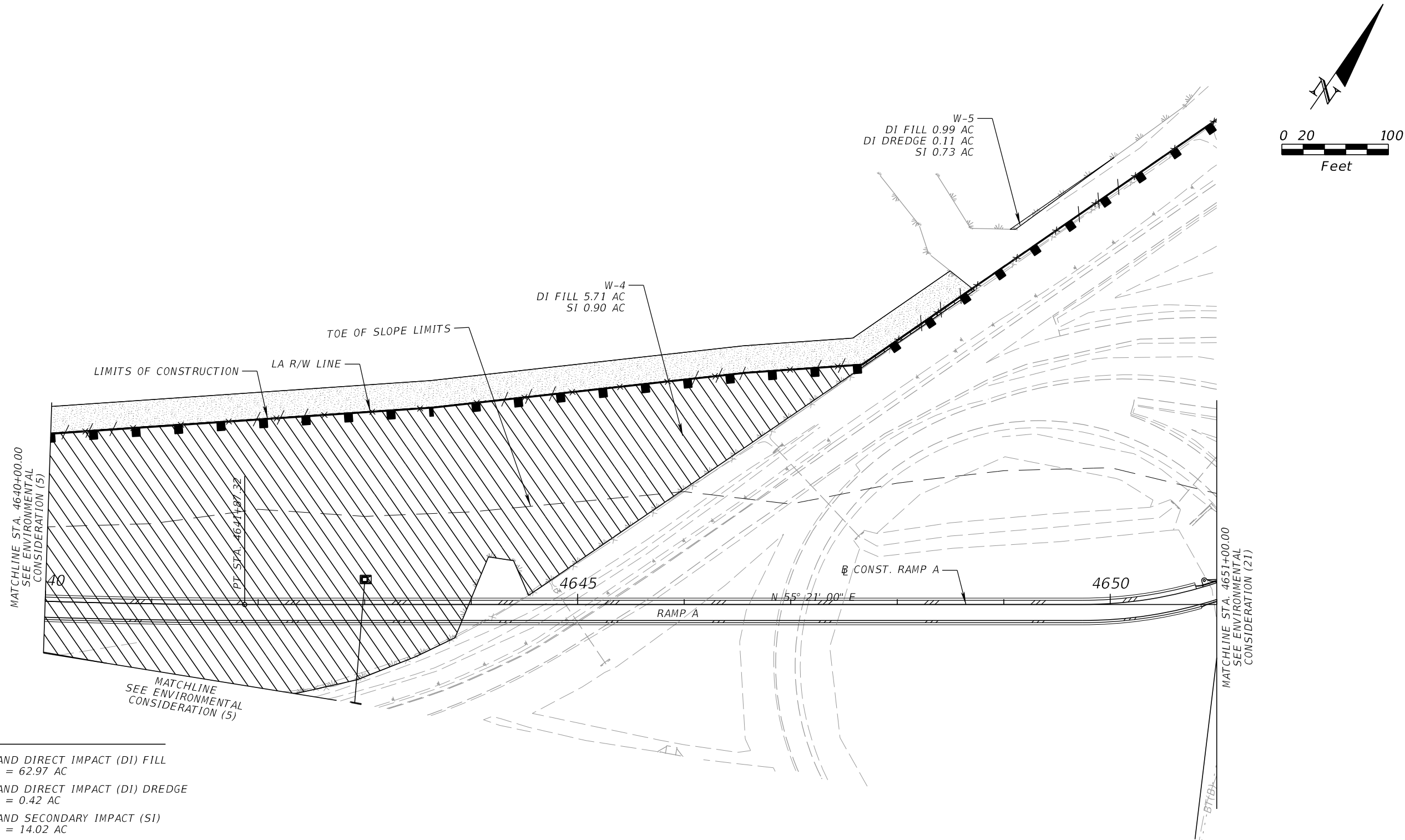
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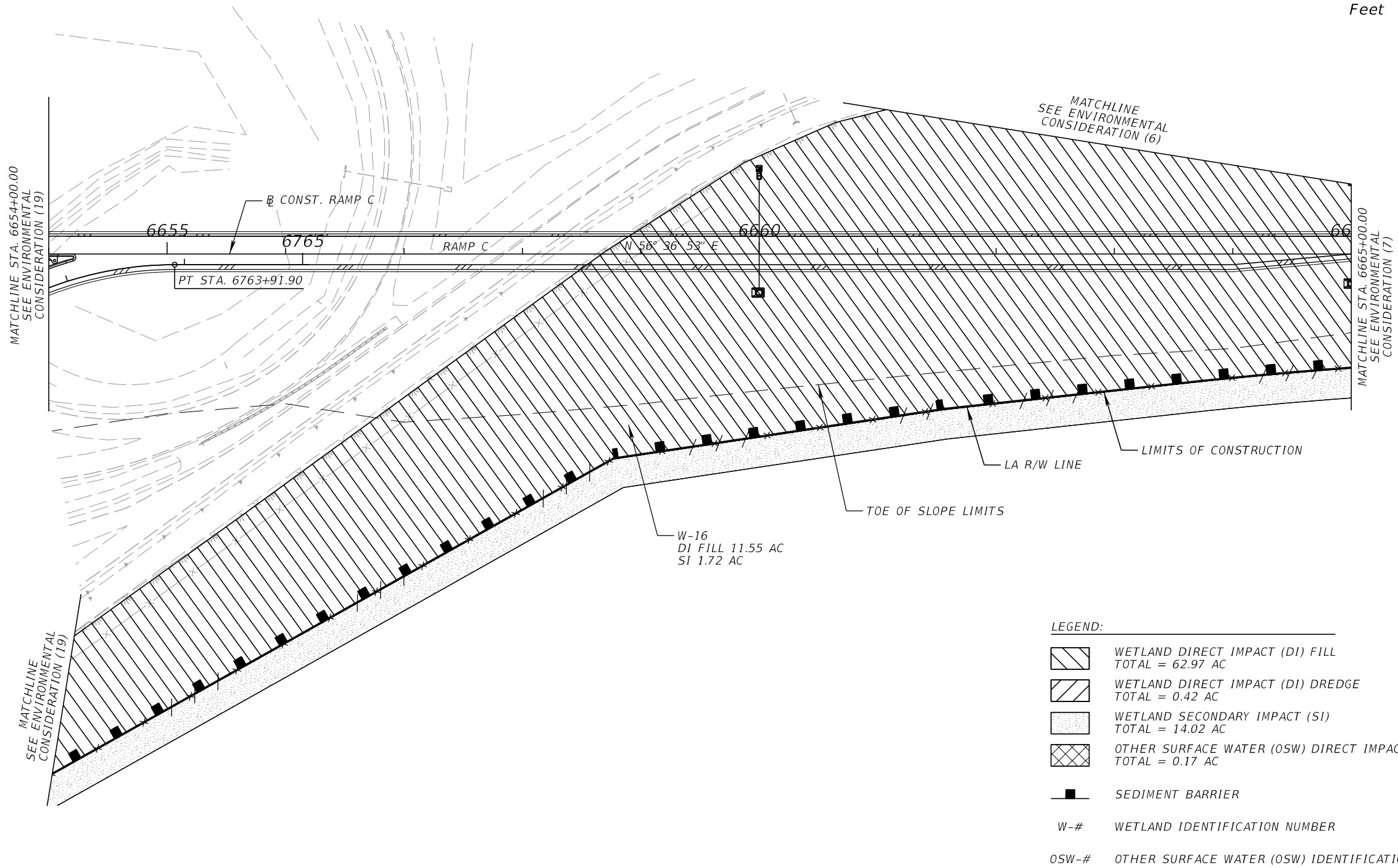
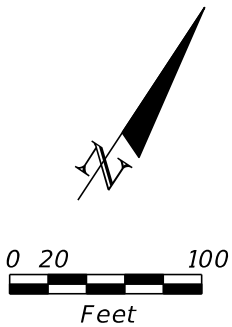
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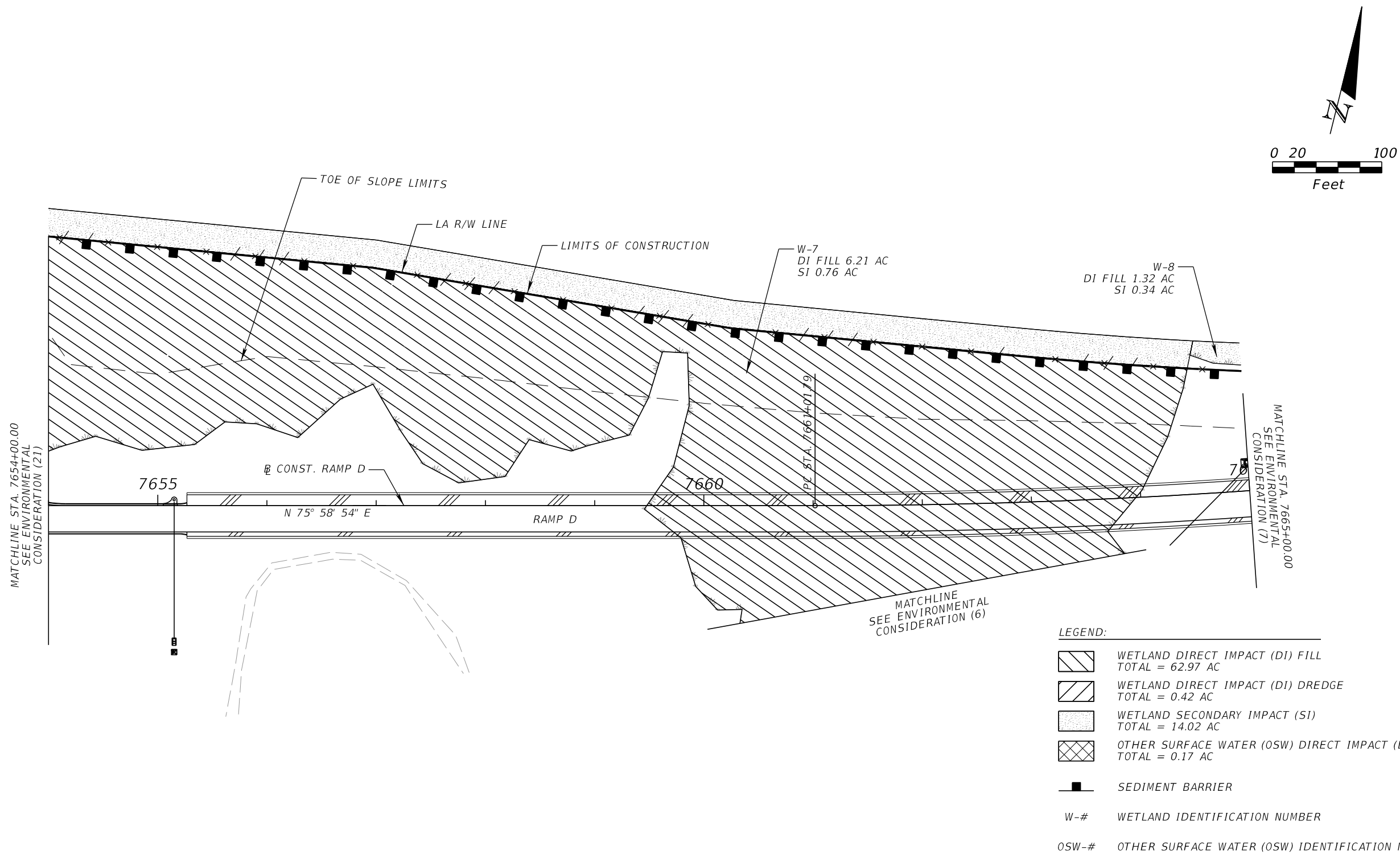
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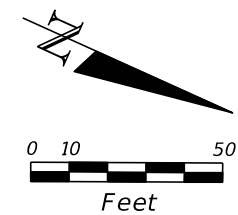
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 - WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
 - OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI)
TOTAL = 0.17 AC
 - SEDIMENT BARRIER
 - W-# WETLAND IDENTIFICATION NUMBER
 - OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (14)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							ENV-14
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

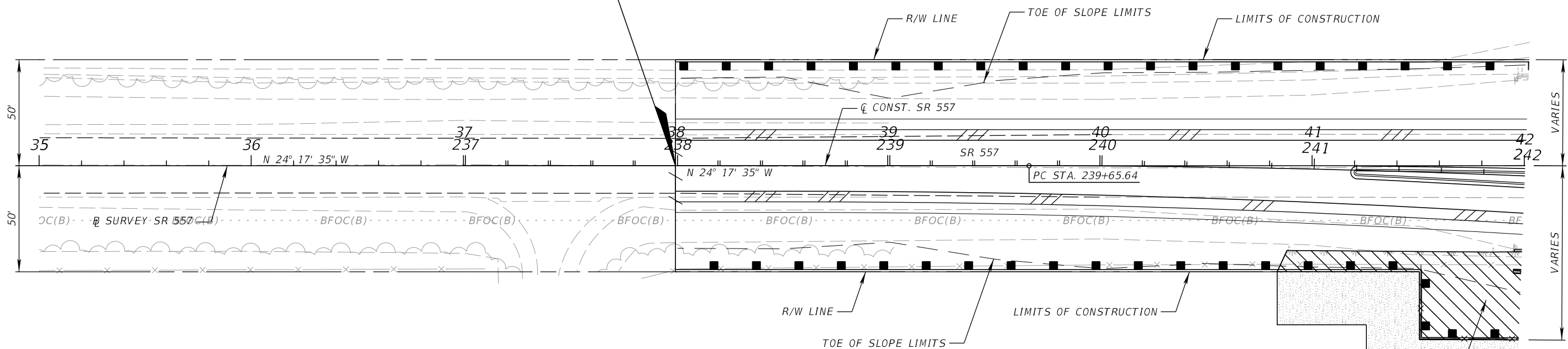


REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (15)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ENV-15
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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BEGIN CONSTRUCTION
STA. 237+99.03
CL CONST. SR 557
STA. 38+00.00
CL SURVEY SR 557

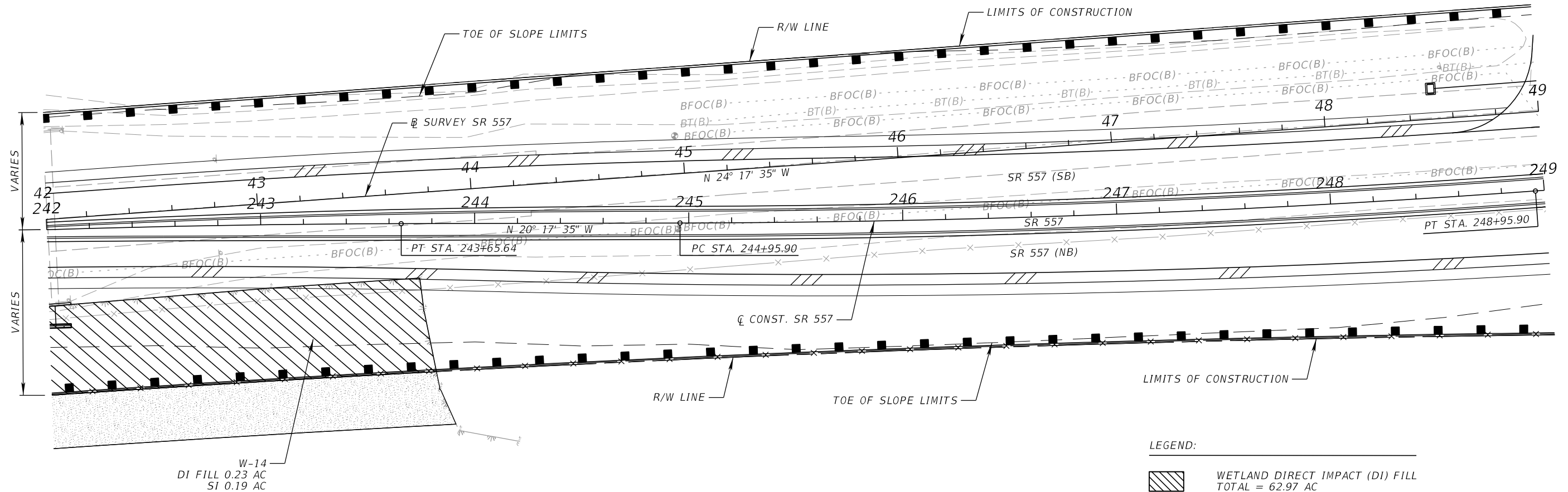
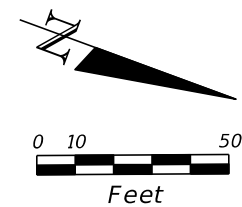


LEGEND:

- WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
- WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
- WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
- OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
- SEDIMENT BARRIER
- W-# WETLAND IDENTIFICATION NUMBER
- OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (16)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		ENV-16
					SR 400	POLK	201215-3-52-01		

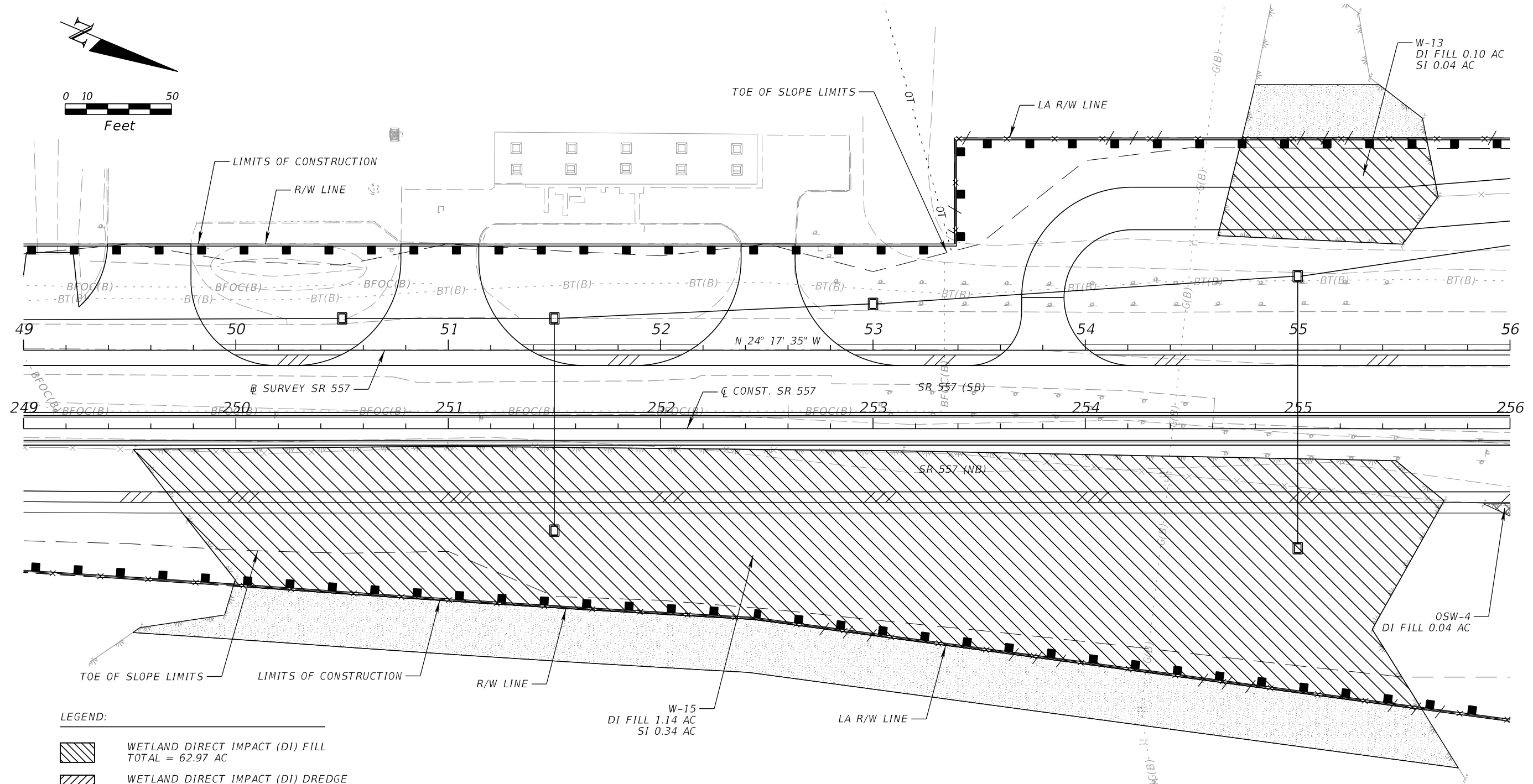
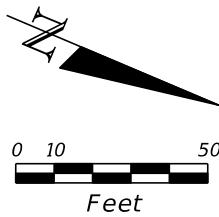
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




LEGEND:

- WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
- WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
- WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
- OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
- SEDIMENT BARRIER
- W-# WETLAND IDENTIFICATION NUMBER
- OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (17)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		ENV-17

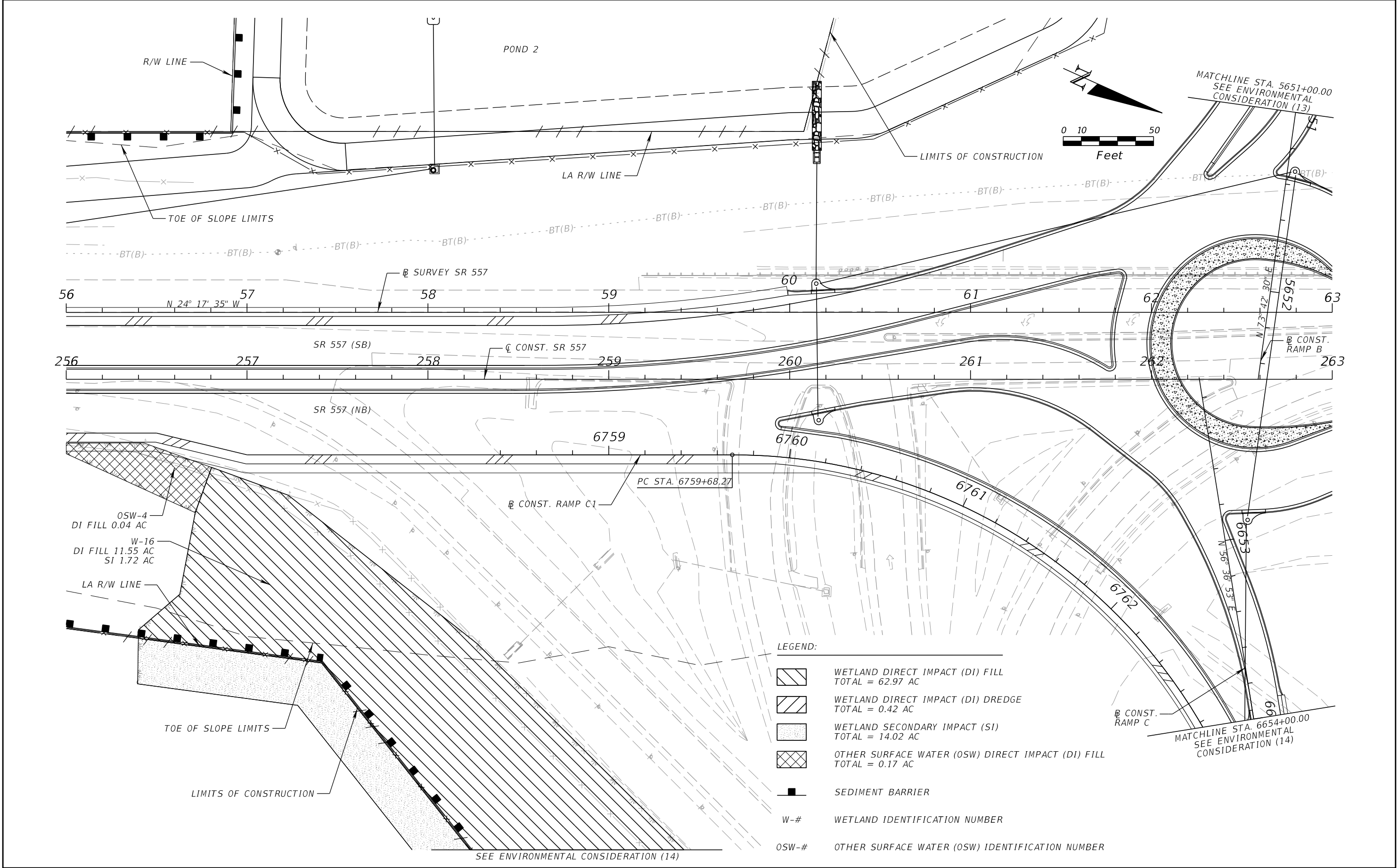


LEGEND:

-  WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
-  WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
-  WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
-  OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
-  SEDIMENT BARRIER
- W-# WETLAND IDENTIFICATION NUMBER
- OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

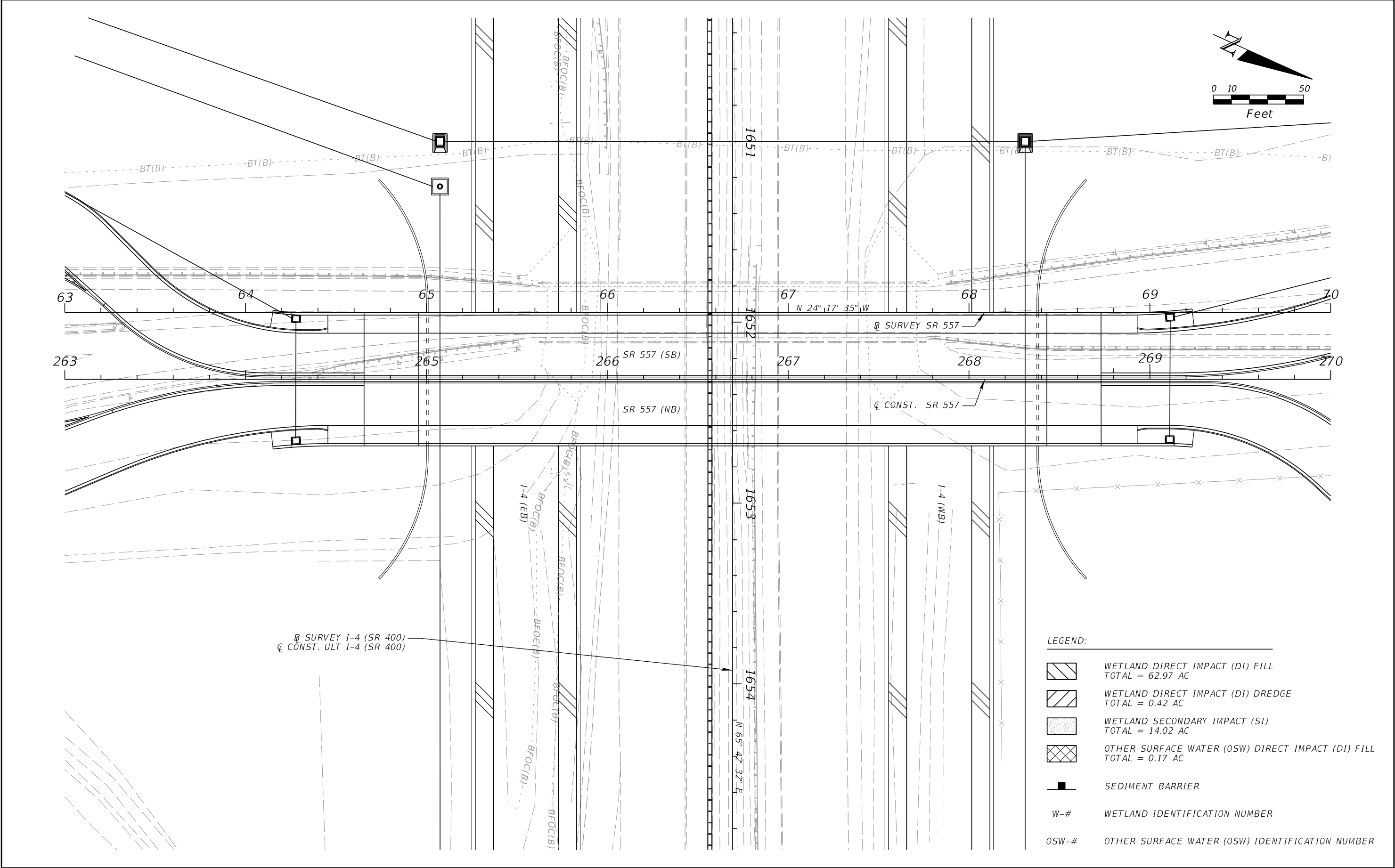
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (18)		SHEET NO. ENV-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	POLK	201215-3-52-01			

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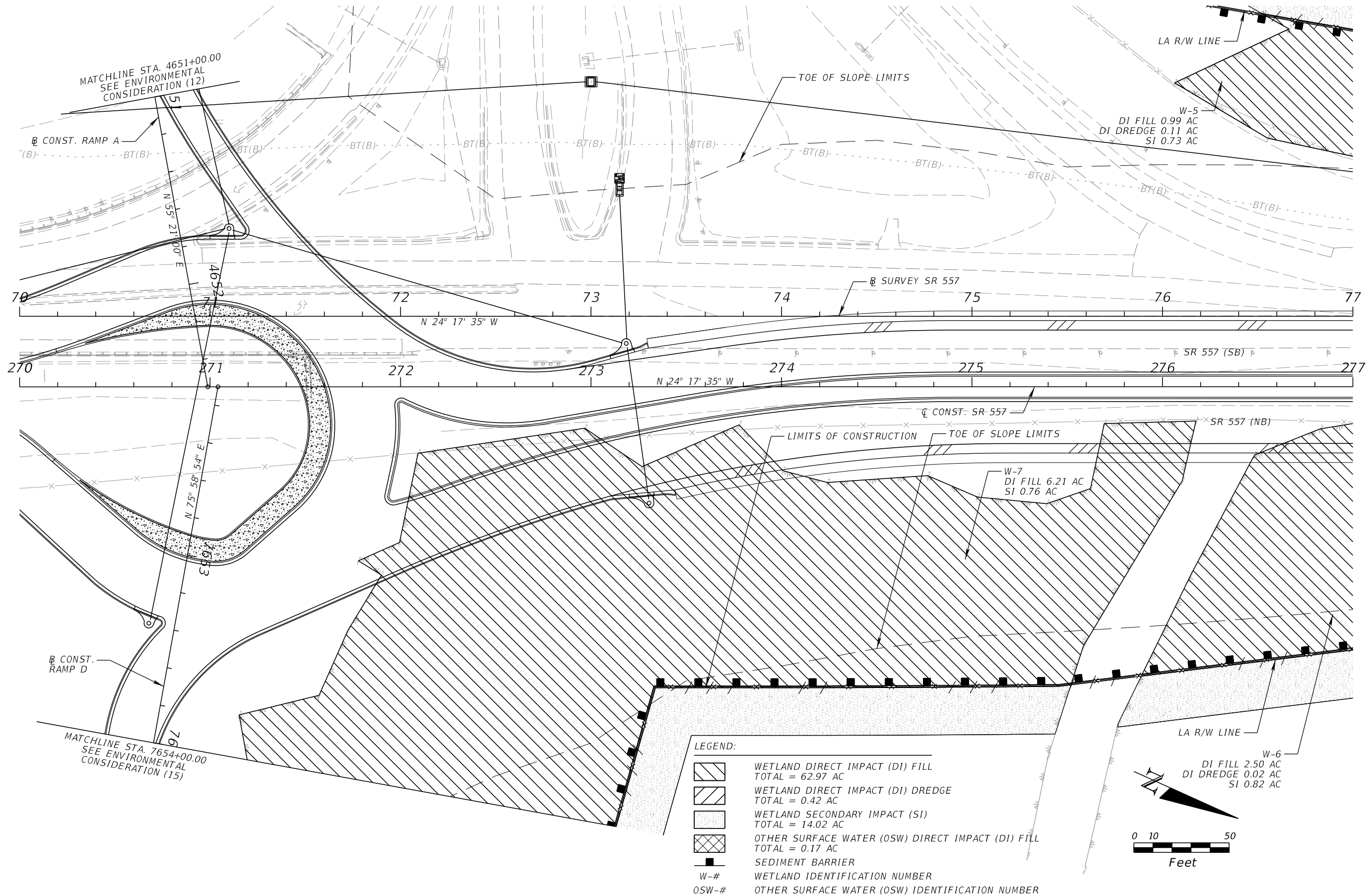
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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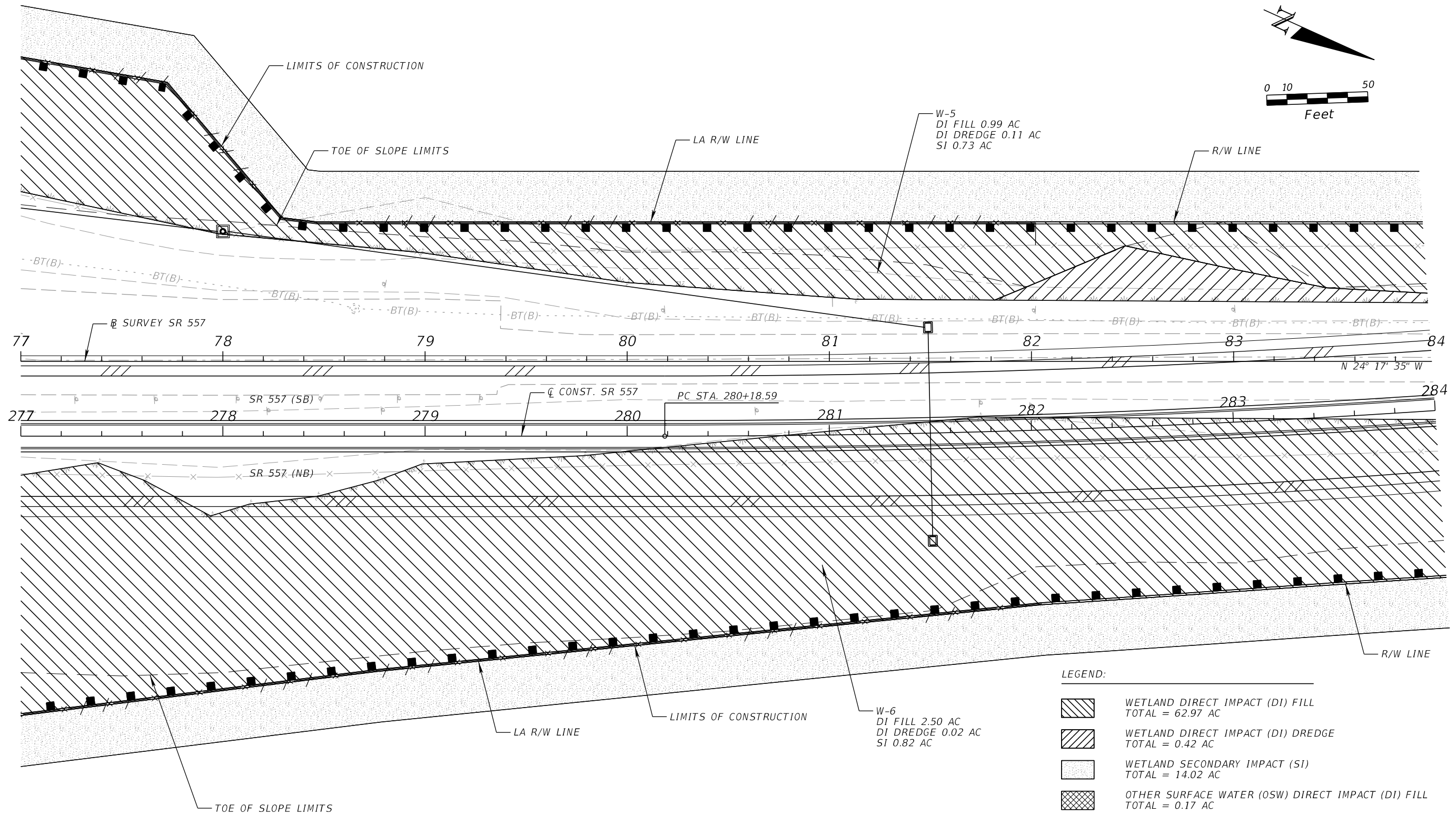
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01	ENV-20	

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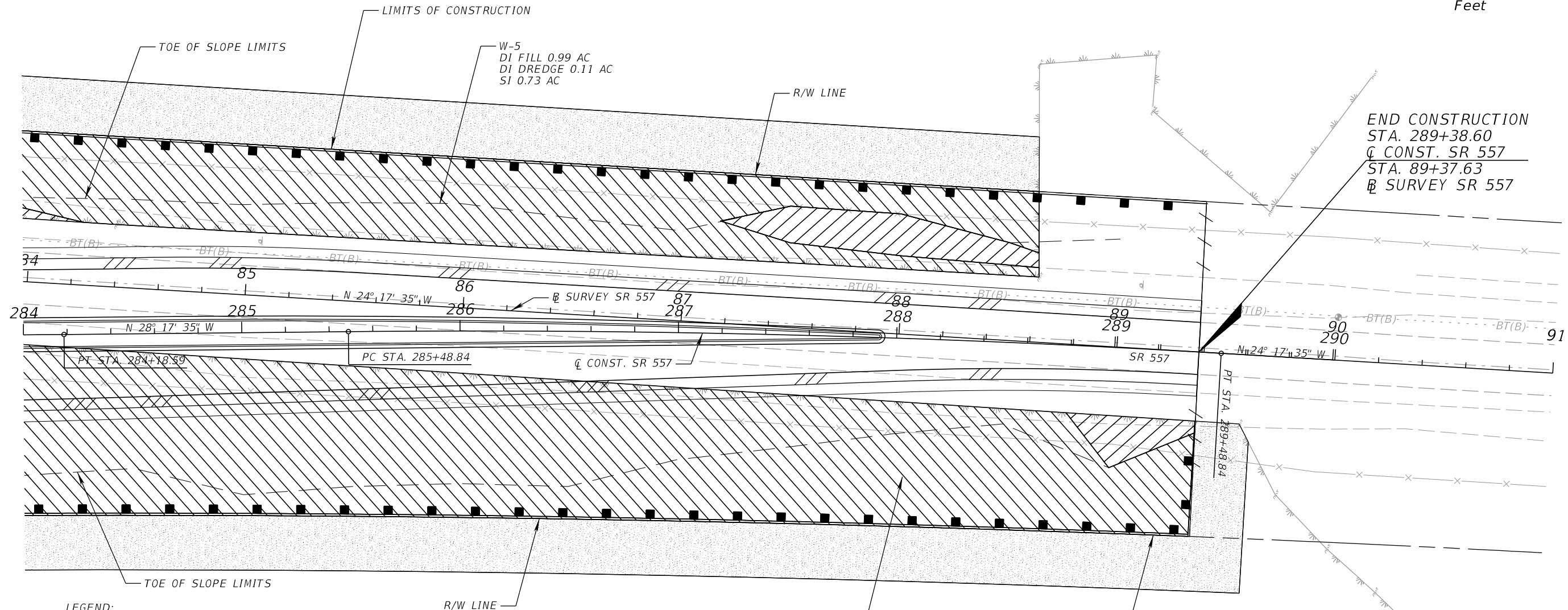
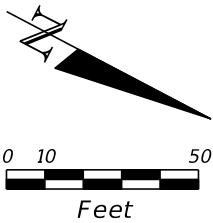
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (21)	SHEET NO. ENV-21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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






- LEGEND:
- WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
 - WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
 - WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
 - OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
 - SEDIMENT BARRIER
 - W-# WETLAND IDENTIFICATION NUMBER
 - OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

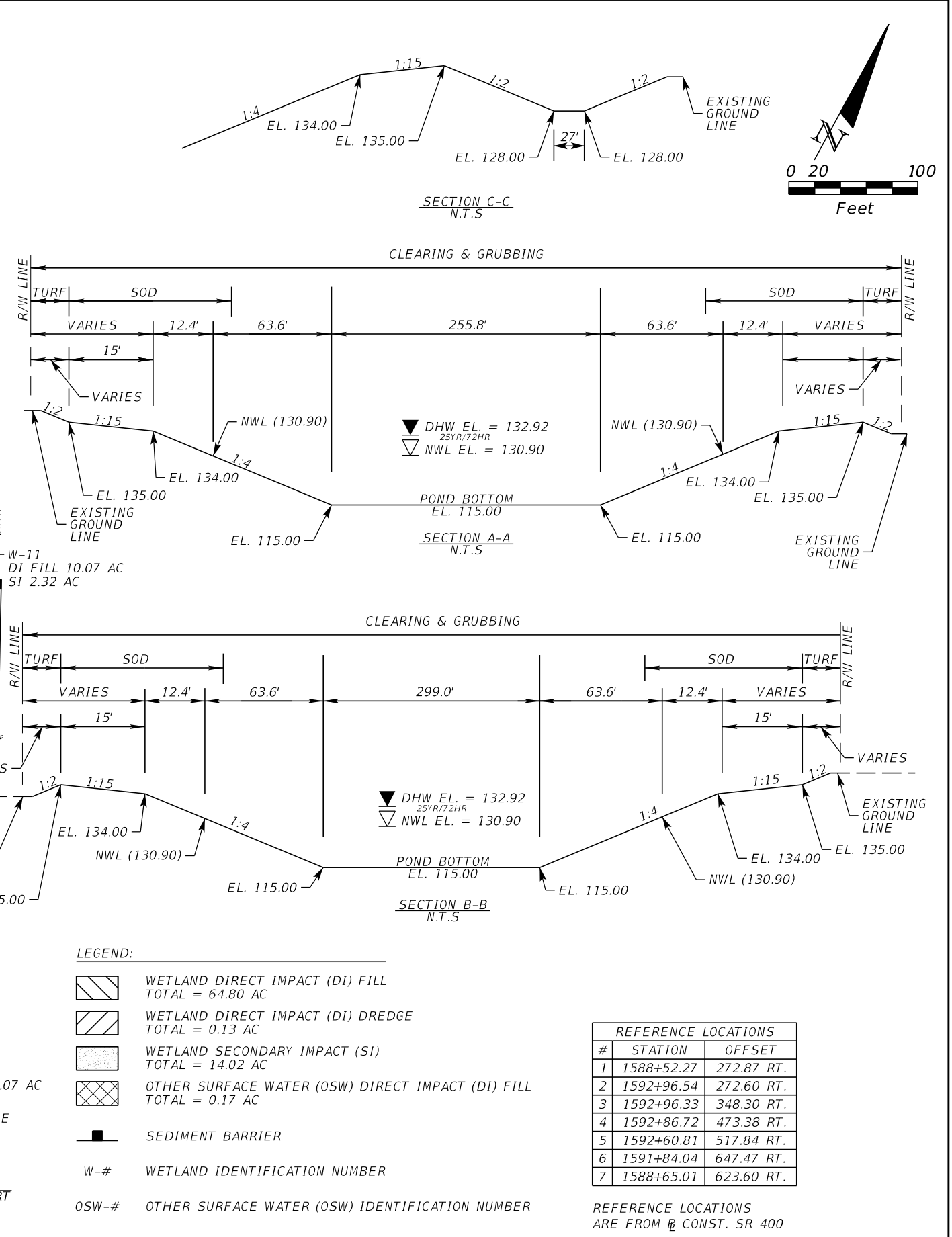
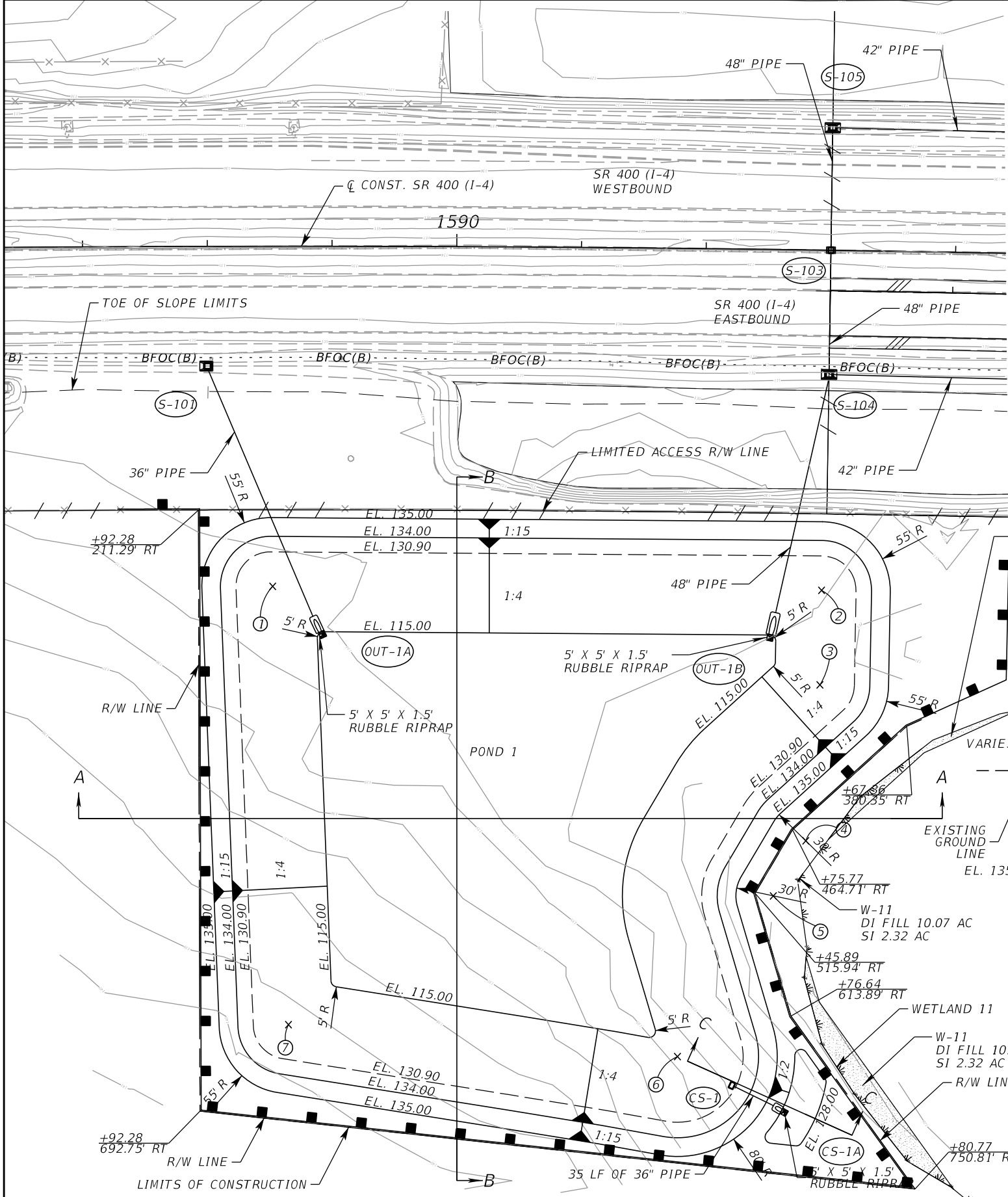
REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (22)	SHEET NO. ENV-22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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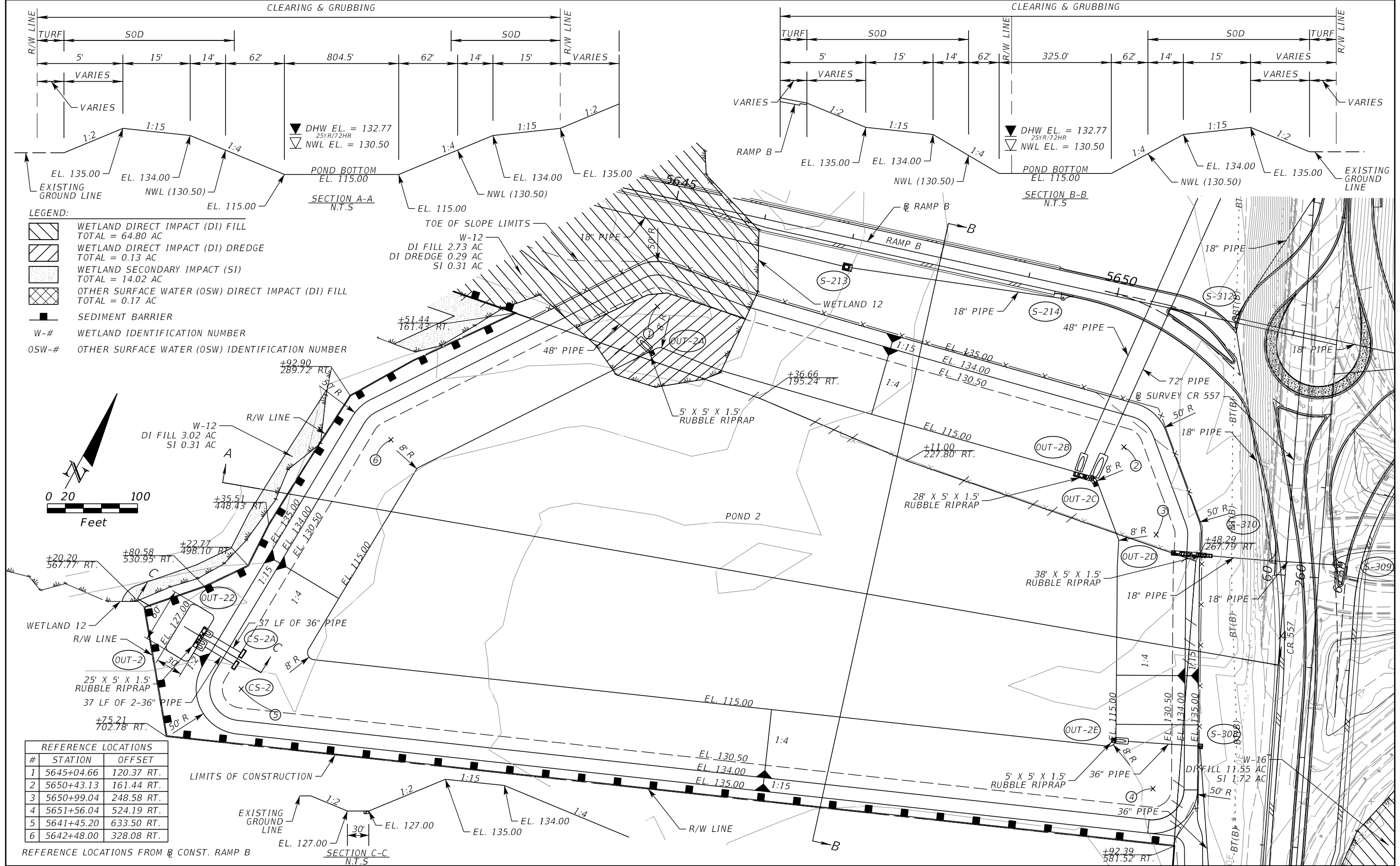
LEGEND:

-  WETLAND DIRECT IMPACT (DI) FILL
TOTAL = 62.97 AC
-  WETLAND DIRECT IMPACT (DI) DREDGE
TOTAL = 0.42 AC
-  WETLAND SECONDARY IMPACT (SI)
TOTAL = 14.02 AC
-  OTHER SURFACE WATER (OSW) DIRECT IMPACT (DI) FILL
TOTAL = 0.17 AC
-  SEDIMENT BARRIER
- W-# WETLAND IDENTIFICATION NUMBER
- OSW-# OTHER SURFACE WATER (OSW) IDENTIFICATION NUMBER

REVISIONS				DANIEL F. CHRISTIE, P.E. P.E. LICENSE NUMBER 64849 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, STE. 1000 ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION 8794	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ENVIRONMENTAL CONSIDERATIONS (23)	SHEET NO. ENV-23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	POLK	201215-3-52-01		

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