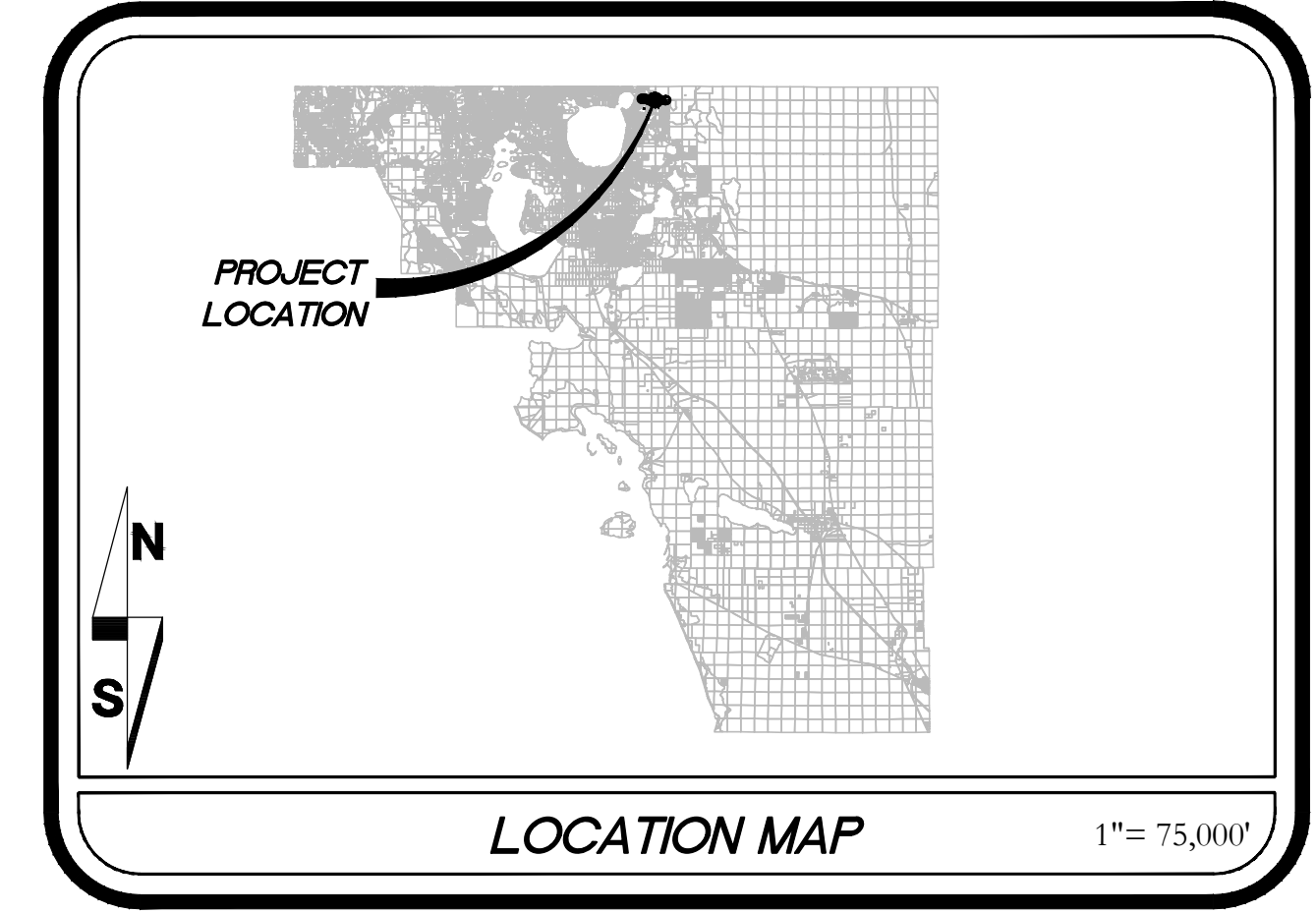


60% CONSTRUCTION PLANS FOR CYRILS DRIVE / NARCOOSSEE ROAD TO ABSHER ROAD - ROAD WIDENING (XXXX)

STA. 15+43.01 TO STA. 118+87.00

OSCEOLA COUNTY, FL

- SECTION 3, TOWNSHIP 25 SOUTH, RANGE 31 EAST
- SECTION 4, TOWNSHIP 25 SOUTH, RANGE 31 EAST
- SECTION 5, TOWNSHIP 25 SOUTH, RANGE 31 EAST
- SECTION 8, TOWNSHIP 25 SOUTH, RANGE 31 EAST
- SECTION 9, TOWNSHIP 25 SOUTH, RANGE 31 EAST
- SECTION 10, TOWNSHIP 25 SOUTH, RANGE 31 EAST



INDEX OF SHEETS	
SHEET	DESCRIPTION
1	COVER SHEET
2-3	GENERAL NOTES & DETAILS
4-7	EXISTING SURVEY & TOPOGRAPHY
8	EXISTING CONDITIONS - SOILS & FLOODPLAIN
9	EROSION CONTROL PLAN & DETAILS
10-11	TYPICAL ROADWAY SECTIONS
12-15	DRAINAGE MAP
16	POST-DEVELOPMENT BASIN MAP
17-18	POND & CONTROL STRUCTURE DETAILS
19	PROJECT LAYOUT & KEY SHEET
20-41	PLAN & PROFILE
42-49	DRIVEWAY PROFILES
50-71	UTILITY PLAN & PROFILES
72	MUCK PROBE AND LOCATIONS
73-83	ROADWAY SOIL BORINGS
84-93	SIGNING & PAVEMENT MARKING
94-169	CROSS SECTIONS
170-171	AUTOTURN ANALYSIS
172-173	RIGHT OF WAY TAKES
174	TWA DETAILS

PROJECT LENGTH:	FEET	MILES
ROADWAY:	10,270.59	1.94
BRIDGE (CULVERTS):	73.4	0.01
TOTAL LENGTH:	10,343.99	1.95

UTILITY PROVIDERS	
CENTURYLINK.....	(800)778-9140
ST CLOUD W/WW SYSTEMS DIVISION.....	(407)957-7110
CHARTER COMMUNICATIONS.....	(407)215-5870
832 COMMUNICATION.....	(407)462-7040
COMCAST COMMUNICATION.....	(800)778-9140
OSCEOLA COUNTY TRAFFIC.....	(407)343-7148
ORLANDO UTILITIES COMMISSION.....	(800)778-9140
TECO PEOPLES GAS - ORLANDO.....	(877)832-6747
AT&T DISTRIBUTION.....	(561)997-0240
UNITI FIBER.....	(877)652-2321

SOURCE OF BENCHMARK DATUM

B.M.
NORTH AMERICAN
VERTICAL DATUM 1988
ELEVATION: 67.46 (NAVD 88)
DESCRIPTION: N&D LB68
LOCATION: IN SIDEWALK ON
WEST SIDE OF NARCOOSSEE
ROAD & CYRILS DRIVE
INTERSECTION
AS SHOWN ON SHEETS 4 - 8



**BEGIN PROJECT
CYRILS DRIVE
STATION 15+43.01**

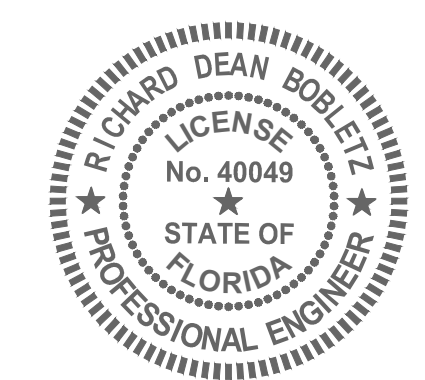
**END PROJECT
CYRILS DRIVE
STATION 118+87.00**

DEVELOPER/APPLICANT:
TAVISTOCK EAST SERVICES, LLC
6900 TAVISTOCK LAKES BLVD, SUITE 200
ORLANDO, FL 32827

**GOVERNING STANDARDS
AND SPECIFICATIONS :**

1. FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD CONSTRUCTION, "FDOT FY 2020-21"
2. FLORIDA DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS, AND HIGHWAYS, DATED JUNE 2017.
3. OSCEOLA COUNTY LAND DEVELOPMENT CODE AND SPECIFICATIONS

NOTE: PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.
I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(1) OF THE FLORIDA STATUTES.



DATE: September 27, 2021 PROJECT MANAGER: _____

RICHARD DEAN BOBLETZ
P.E. NO. 0040049

MISC. SUBMITTALS	DATE

COUNTY REVISIONS	DATE
1. 30% SUBMITTAL	02/26/2021
2. 50% SUBMITTAL	08/23/2021
3. 60% SUBMITTAL	09/XX/2021

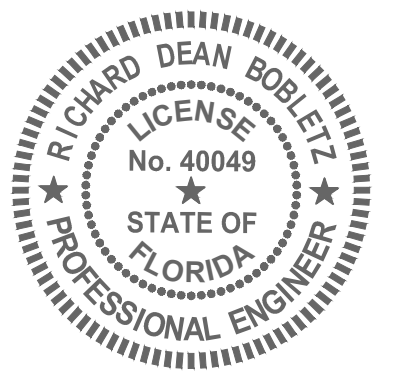
DESIGNED BY: RB/JM	DATE: XX/XX/2021
DRAWN BY: JM/RD	DATE: XX/XX/2021
CHECKED BY: AB	DATE: XX/XX/2021
APPROVED BY: RB	DATE: XX/XX/2021
PROJECT NO: 17-042	

SHEET 1
OF 174

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

1. The Cross Culvert at sta. 75+45 is shown as a sump condition culvert due to the location of the proposed profile. The Designer will review the profile in this area to determine if it can be raised in order to eliminate the sump condition. Raising the profile may require a length of wall on the north side of Cyrils Drive.

2. The wall east of Absher east of the conservation easement on the north side Cyrils will be reviewed. These areas may include a front slope in order to eliminate the wall.



RICHARD DEAN BOBLETZ
 DATE: September 27, 2021

This item has been electronically signed and sealed by Richard Dean Bobletz on the date adjacent to the seal using a SFA authentication code. Printed copies of this document are not considered signed and sealed and the SFA authentication code must be verified on any electronic copies.

R E V I S I O N S

DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

POULOS & BENNETT
 Poulos & Bennett, LLC
 2602 E. Livingston St., Orlando, FL 32803
 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING**
 NOTES TO REVIEWER

SHEET
NO.

13. YARD DRAIN PIPING: PVC CONFORMING TO ASTM D3034, SDR35 SHALL BE USED FOR ALL PIPE RUNS IN WHICH ANY PART LIES UNDER PAVED AREAS. SAID PVC OR HEAVY DUTY CORRUGATED POLYETHYLENE MAY BE USED FOR ALL OTHER RUNS. MATERIAL SELECTION SHALL BE CONSISTENT THROUGHOUT THE PROJECT.
14. DITCH BOTTOM AND CONTROL STRUCTURE INLET GRATES SHALL BE SECURED WITH CHAIN AND EYEBOLT.
15. FIVE (5) FEET OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS, MANHOLES, HEADWALLS AND MITERED END SECTIONS.
16. THE LIMITS OF THE POND TRACTS SHALL BE SODDED FROM TRACT LIMITS TO LIMITS SHOWN IN POND SECTION. IN THE CASE OF DRY BOTTOM PONDS, THE BOTTOM WILL BE SEED AND MULCHED UNLESS OTHERWISE SPECIFIED.
17. BLUE REFLECTIVE PAVEMENT MARKERS FOR ALL FIRE HYDRANTS SHALL BE PLACED IN THE CENTER OF THE NEAREST TRAVELED LANE TO MARK THEIR LOCATIONS.
18. TOP ELEVATIONS OF MANHOLES IN GRASSED AREAS SHALL BE AT MINIMUM 4 INCHES ABOVE FINISH GRADE AND SOD.
19. MINIMUM LONGITUDINAL SLOPE OF CURB SHALL BE 0.30% UNLESS SPECIFIED OTHERWISE.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE DOCUMENTATION, FOR ADS STORM PIPE, FROM THE PIPE MANUFACTURER CONFIRMING THAT SUFFICIENT COVER HAS BEEN PROVIDED TO PREVENT FLOTATION. IN THE EVENT THAT ADEQUATE COVER IS NOT PROVIDED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN DESIGN AND CONSTRUCTION SPECIFICATIONS FROM THE MANUFACTURER, FOR THE ADS PIPE ANCHORING SYSTEM. IF ADS STORM PIPE IS USED THEN MITERED END SECTIONS (MES) MAY BE SUBSTITUTED FOR FLARED END SECTIONS (FES) AT PIPE RUN TERMINATIONS.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. THE CONTRACTOR SHALL HAVE THE PLAN PREPARED BY AN FDOT CERTIFIED DESIGNER AND SUBMIT THE PLAN TO POULOS & BENNETT FOR APPROVAL.
22. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENT TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHALL AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.
23. 100-YEAR FLOOD ELEVATIONS SHOWN HEREIN ARE DERIVED FROM (FEMA/FLOOD INSURANCE RATE MAP OF 12097C, COMMUNITY PANEL #12097C0105G, DATED 6/18/2013)
24. ALL DISTURBED COUNTY RIGHTS OF WAY SHALL BE RESTORED. SOD SHALL BE PLACED FROM EDGE OF PAVEMENT TO THE TOE OF BANK AND ALL AREAS SHALL MATCH OR EXCEED PRECONSTRUCTION CONDITIONS.
25. ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.
26. ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION FOR PAYMENT FOR ANY ROADWORK WHICH HAS NOT BEEN TESTED BY A FLORIDA-REGISTERED GEOTECHNICAL ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
27. ROAD GRADING AND CONSTRUCTION SHALL INCLUDE BRINGING ANY UTILITY EASEMENTS, AS SHOWN OR NOTED ON THE PLAT OR CONSTRUCTION DRAWINGS, ADJACENT TO THE RIGHT-OF-WAY LINE TO WITHIN 6 INCHES OF FINAL DESIGN GRADE. LOT GRADING REQUIREMENT MAY BE MORE STRINGENT.
28. INLETS WHICH ARE GRAPHICALLY SHOWN ON LOT LINES AND NOT OTHERWISE LOCATED BY STATIONING SHALL BE LOCATED SUCH THAT THE CENTERLINE OF THE INLET TOP IS ALIGNED WITH THE LOT LINE.
29. DRAINAGE MANHOLES AND INLETS (NOT INCLUDING CONTROL STRUCTURES) IN THE PLANS ARE IDENTIFIED BY TOP TYPE ONLY. CONTRACTOR SHALL PROVIDE STANDARD DITCH BOTTOM INLET, J OR P STRUCTURE BOTTOMS, SIZED AS REQUIRED TO ACCOMMODATE PIPE SIZES AND ORIENTATIONS SHOWN. SHOP DRAWINGS SHALL BE SUBMITTED WHICH CLEARLY REPRESENT SUCH DATA.
30. CONTRACTOR SHALL STABILIZE AND PROTECT ALL END WALL, MITERED END SECTION, FLARED END SECTION, ETC. STRUCTURES THROUGHOUT THE PROJECT UNTIL THE BANK SLOPES OF THE RECEIVING WATER BODY ARE STABILIZED AND ACCEPTED BY OWNER.
31. DRAINAGE STRUCTURE TOP ELEVATIONS REFER TO THE ELEVATION OF THE TOP OF CURB FOR CURB INLETS AND THE RIM OR GRATE ELEVATION FOR MANHOLES AND DITCH BOTTOM INLETS. ELEVATIONS FOR THE RETENTION POND CONTROL STRUCTURES ARE SHOWN ON THE CONTROL STRUCTURE DETAIL SHEETS.
32. STATION AND OFFSET FOR CURB INLETS REFERS TO THE LOCATION IDENTIFIED AS "CENTER OF BOX" IN FDOT STANDARD INDEX 211. STATION AND OFFSET FOR MITERED END SECTIONS REFERS TO THE LOCATION IDENTIFIED AS "LOCATION REFERENCE" IN FDOT STANDARD INDEX 272. STATION AND OFFSET FOR FLARED END SECTIONS REFERS TO THE LOCATION IDENTIFIED AS "C/L OF PIPE" IN FDOT STANDARD INDEX 270. STATION AND OFFSET FOR MANHOLES AND DITCH BOTTOM INLETS REFERS TO THE CENTER OF THE STRUCTURE.
33. VERTICAL CURVE NOTATION ON ALL PLAN & PROFILE SHEETS IS AS FOLLOWS:
 BVCS: BEGIN VERTICAL CURVE STATION
 BVCE: BEGIN VERTICAL CURVE ELEVATION
 EVCS: END VERTICAL CURVE STATION
 EVCE: END VERTICAL CURVE ELEVATION
34. ALL EXCAVATIONS SHALL BE REQUIRED TO CONFORM WITH THE PROVISIONS OF PART IV OF CHAPTER 553.60 F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT" AND OSHA REQUIREMENTS, TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.

DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL FOR DISPOSAL OFF-SITE. DISPOSAL SHALL CONFORM TO ALL APPLICABLE REGULATIONS.
2. ANY MATERIALS CLAIMED AS SALVAGE BY OWNER EITHER IN THE FIELD OR IN THE DRAWINGS SHALL BE STOCKPILED FOR OWNER'S REMOVAL.
3. CONTRACTOR SHALL BE KNOWLEDGEABLE OF THE CONSTRUCTION DOCUMENTS AND BE RESPONSIBLE FOR PROTECTING ANY EXISTING FACILITY SO DESIGNATED OR DESIGNATED TO BE UTILIZED IN THE WORK.
4. CONTRACTOR SHALL REMOVE ALL FOUNDATIONS, CONCRETE SLABS AND UNDERGROUND STRUCTURES, EXISTING ON THE SITE AT THE TIME OF BIDDING UNLESS OTHERWISE DIRECTED.
5. CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES AND BE RESPONSIBLE FOR THE TERMINATION, CAPPING-OFF AND REMOVAL OF ALL UNDERGROUND AND ABOVE-GROUND UTILITY SERVICES EXISTING AT THE TIME OF BIDDING UNLESS DIRECTED TO BID OTHERWISE.

6. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.

STANDARD SPECIAL PURPOSE NOTES:

1. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
2. THE ENGINEER SHALL BE NOTIFIED OF ANY WELLS ENCOUNTERED DURING CONSTRUCTION. ALL WELLS NOT DESIGNATED TO REMAIN OR FUNCTION SHALL BE PROPERLY SEALED AND ABANDONED PER APPLICABLE AGENCY REQUIREMENTS.

CONSULTANTS:

CIVIL: POULOS & BENNETT

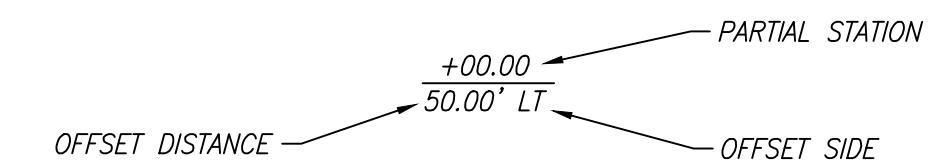
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GEOTECH: UNIVERSAL ENGINEERING SCIENCES

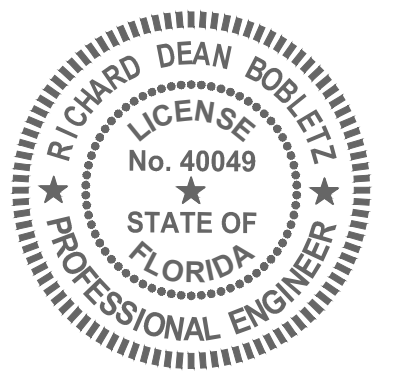
ENVIRONMENTAL: AUSTIN

TRAFFIC/TRANSPORTATION: TMC

Miscellaneous Legend



NOTE: ALL OFFSET ANNOTATIONS ARE FROM C/L OF CONSTRUCTION UNLESS NOTED IN SHEET



RICHARD DEAN BOBLETZ
 LICENSED PROFESSIONAL ENGINEER
 DATE: September 27, 2021

This item has been electronically signed and sealed by Richard Dean Bobletz on the date adjacent to the seal using a SIA's authentication code. Printed copies of this document are not considered signed and sealed and the SIA's authentication code must be verified on any electronic copies.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



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 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

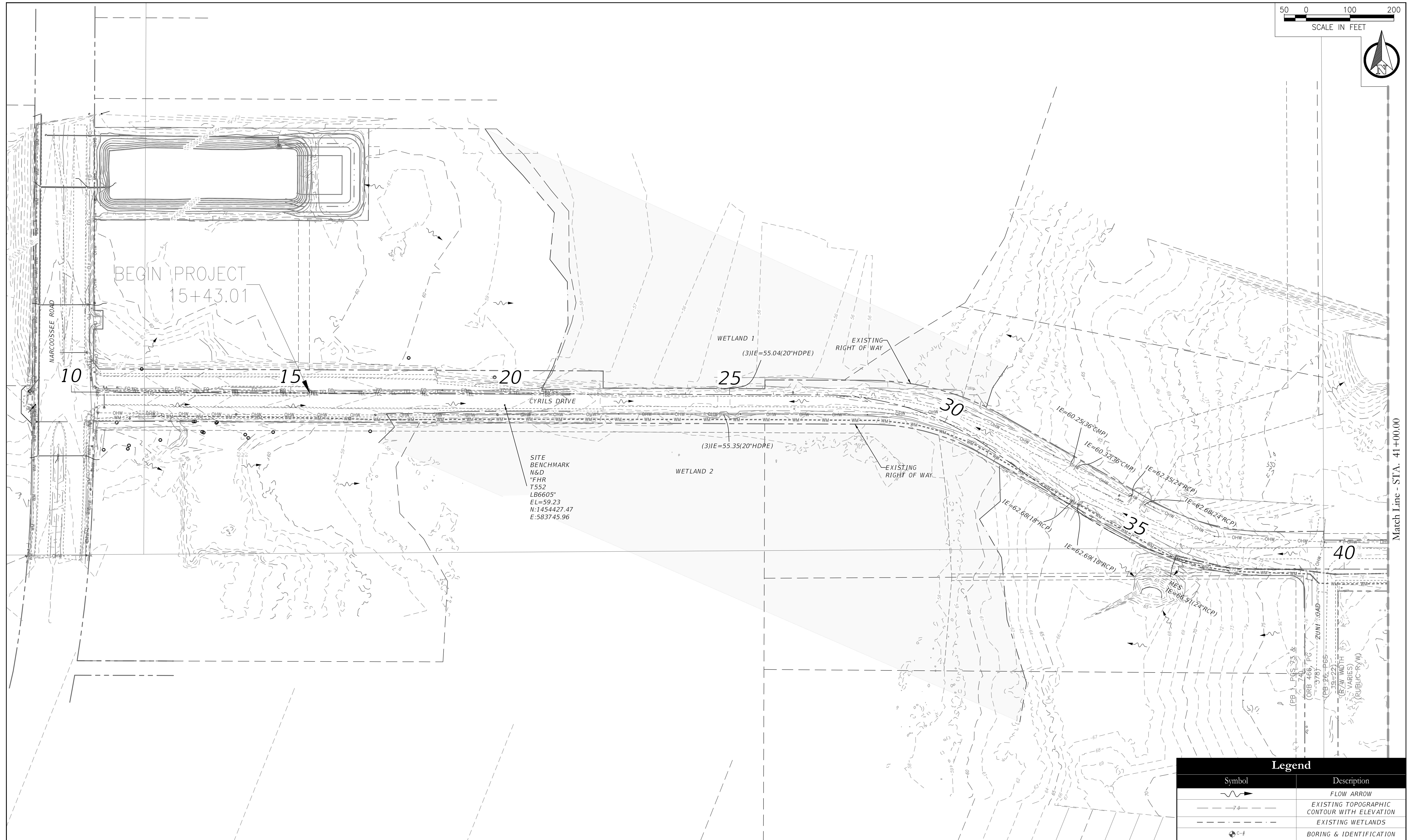
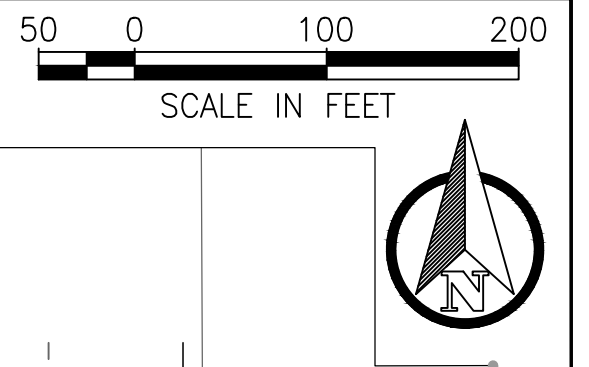
**OSCEOLA COUNTY
 PROJECT NO. (XXXX)**

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING**

GENERAL NOTES & DETAILS

SHEET NO.

3



Match Line - STA. 41+00.00

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Symbol	Description
	FLOW ARROW
	EXISTING TOPOGRAPHIC CONTOUR WITH ELEVATION
	EXISTING WETLANDS
	BORING & IDENTIFICATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

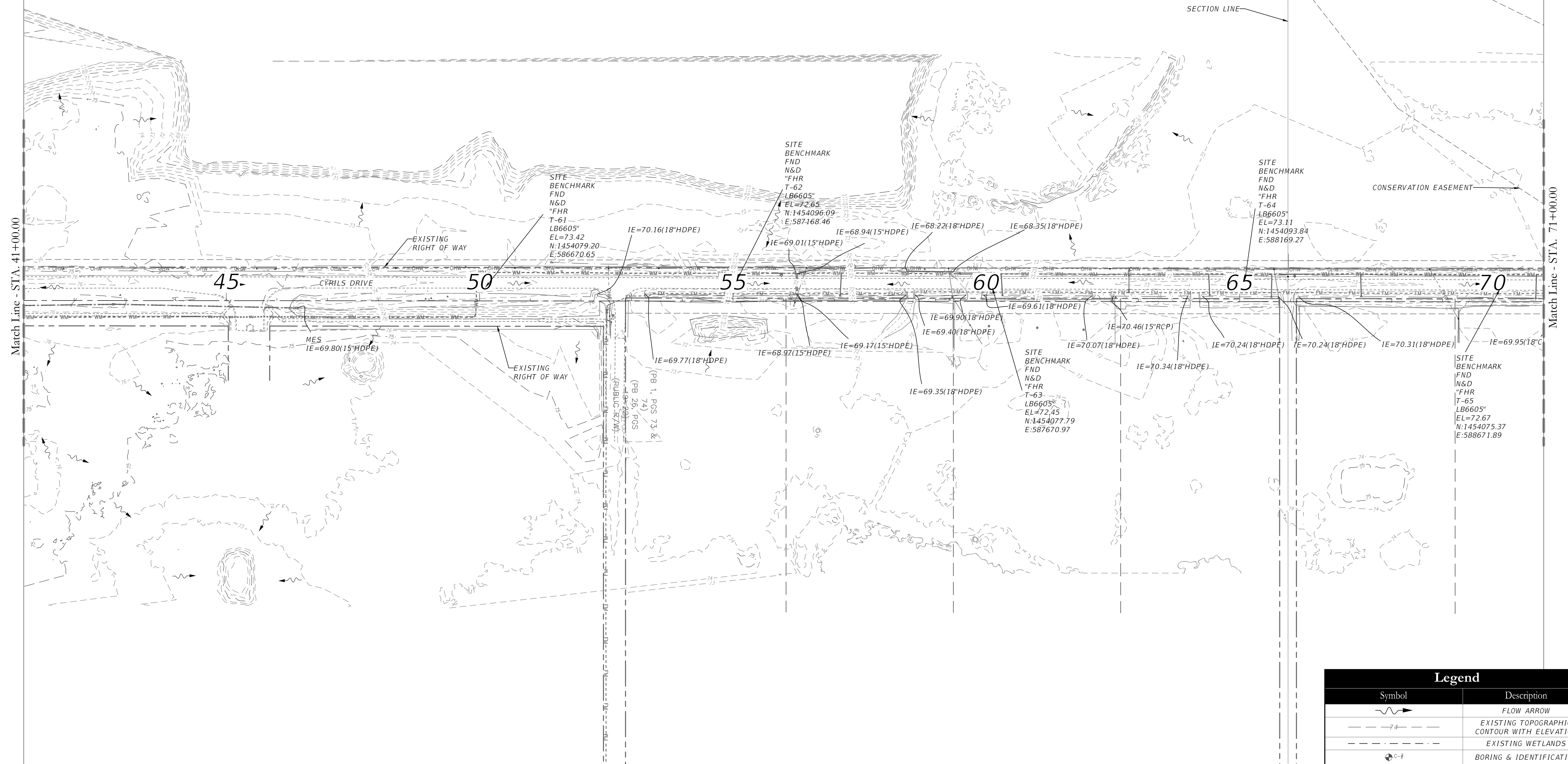
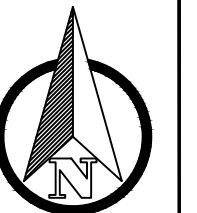
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 EXISTING SURVEY & TOPOGRAPHY
 (Per Atlantic Surveying Survey-Cyrils Drive to East of Absner-TOPO Provided August 20, 2021 and Osceola County Lidar TOPO)

SHEET NO.
 4

Z:\2017\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-04208-CD&M-EX



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	EXISTING TOPOGRAPHIC CONTOUR WITH ELEVATION
	EXISTING WETLANDS
	BORING & IDENTIFICATION

REVISIONS			
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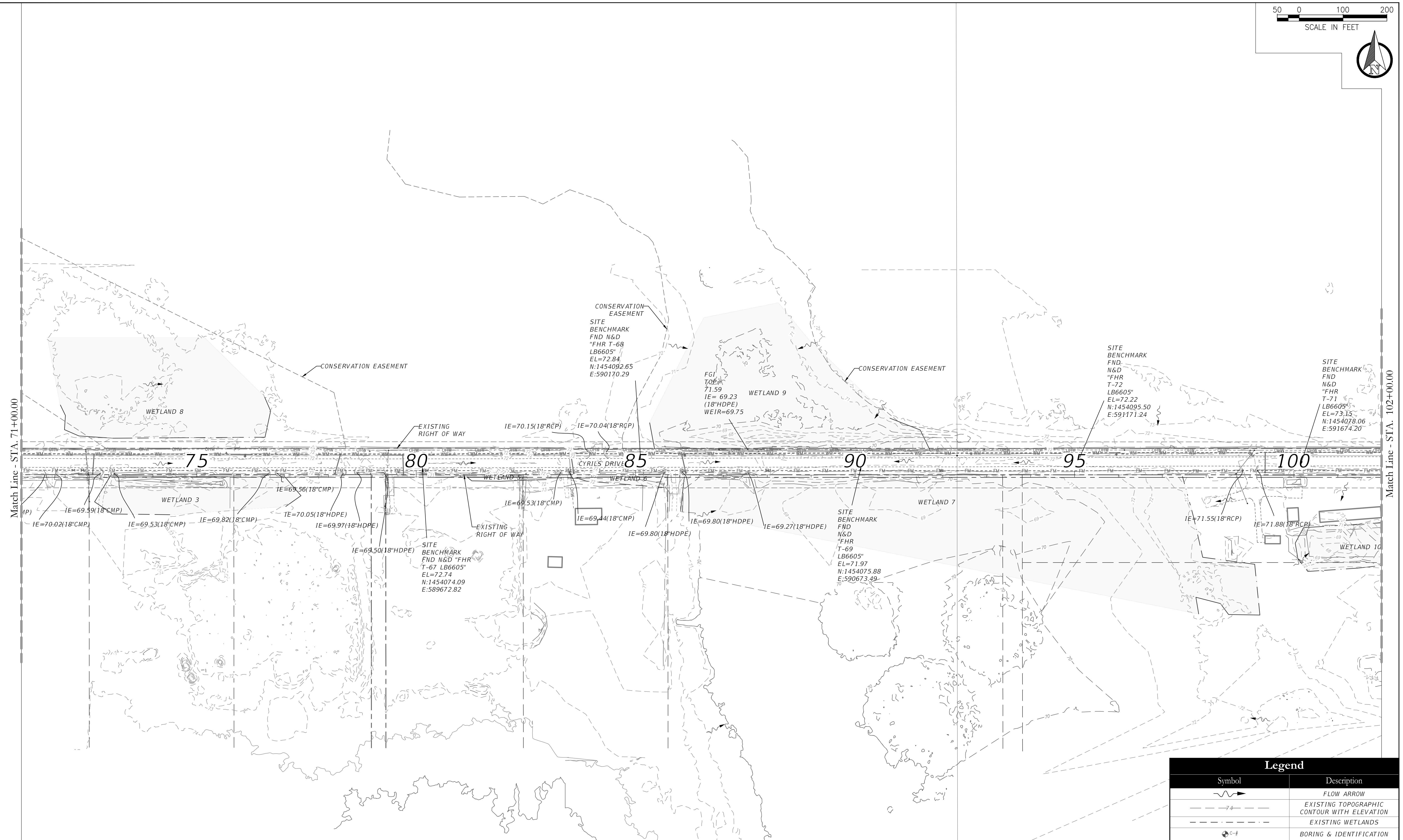
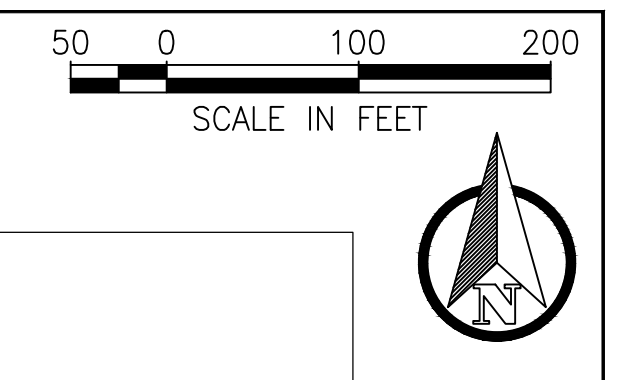
POULOS & BENNETT
 Poulos & Bennett, LLC
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OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 EXISTING SURVEY & TOPOGRAPHY
 (Per Atlantic Surveying Survey-Cyrils Drive to East of Absner-TOPO Provided August 20, 2021)

SHEET NO.
 5

Z:\2021\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-16208-CD&M-EX



Legend	
Symbol	Description
	FLOW ARROW
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	EXISTING WETLANDS
	BORING & IDENTIFICATION

REVISIONS			
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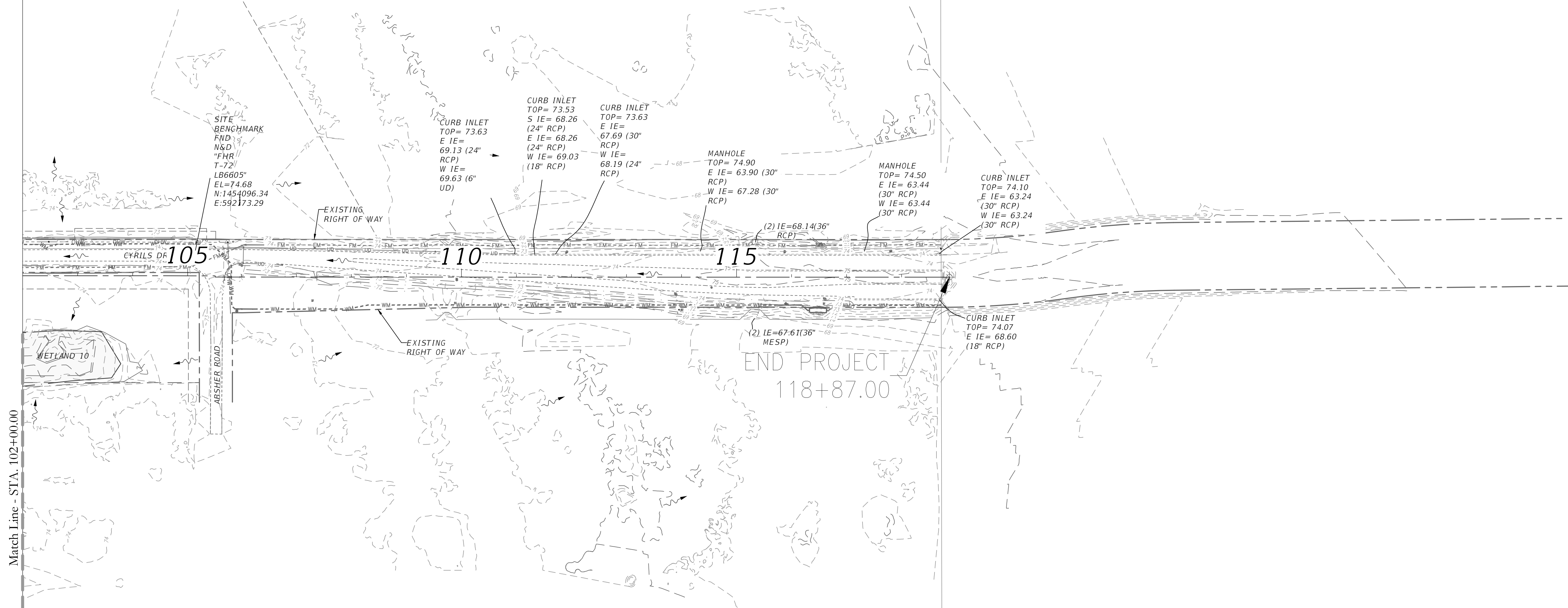
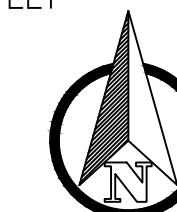
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
EXISTING SURVEY & TOPOGRAPHY
(Per Atlantic Surveying Survey-Cyrils Drive to East of Absner-TOPO Provided August 20, 2021)

SHEET
 NO.
6

Z:\2021\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CD&M-EX



Match Line - STA. 102+00.00

END PROJECT
118+87.00

Legend	
Symbol	Description
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	EXISTING TOPOGRAPHIC CONTOUR WITH ELEVATION
	EXISTING WETLANDS
	BORING & IDENTIFICATION

REVISIONS			
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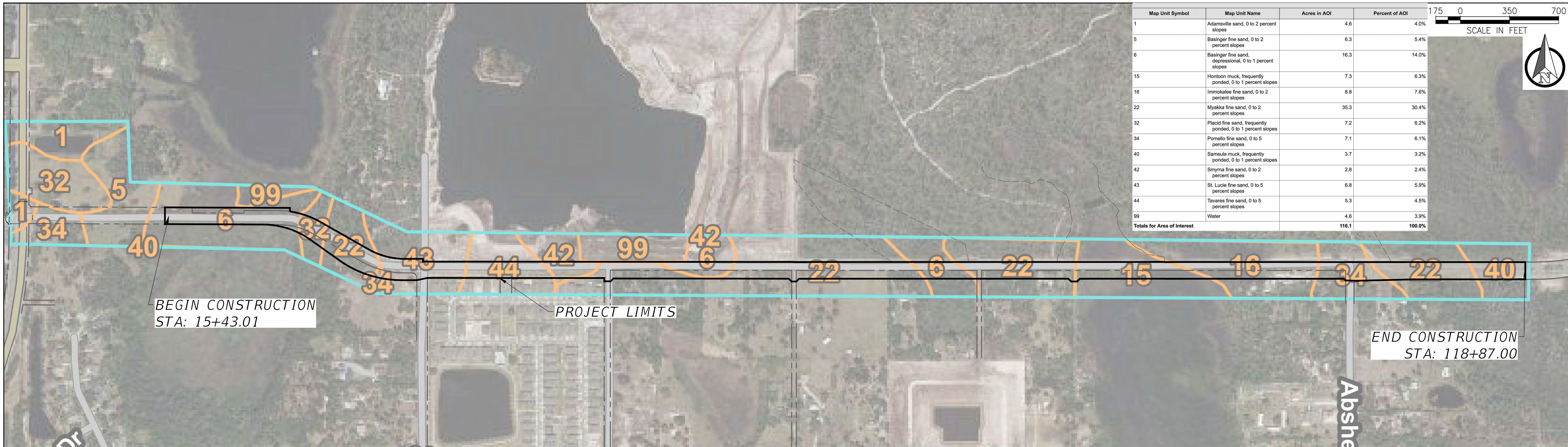
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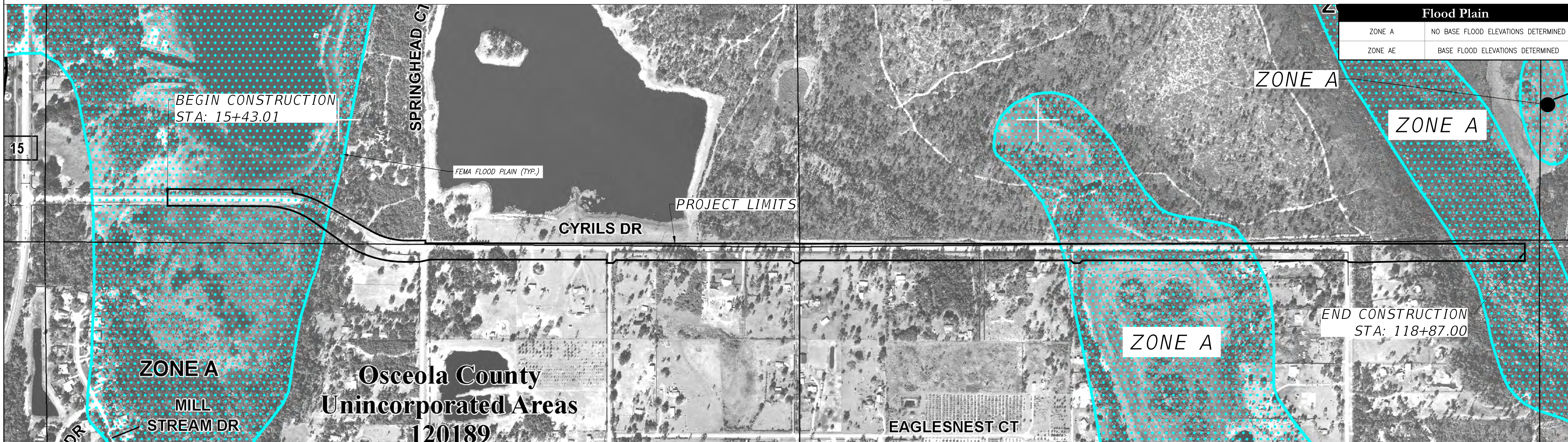
CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
EXISTING SURVEY & TOPOGRAPHY
(Per Atlantic Surveying Survey-Cyrils Drive to East of Absner-TOPO Provided August 20, 2021)

SHEET NO.
7

Z:\2021\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CD&M-EX



SOILS VIEW - Source: United States Department of Agriculture Soils Report
1" = 350'



FLOOD ZONE MAP - Source: Donald W. McIntosh Associates, INC.
1" = 350'

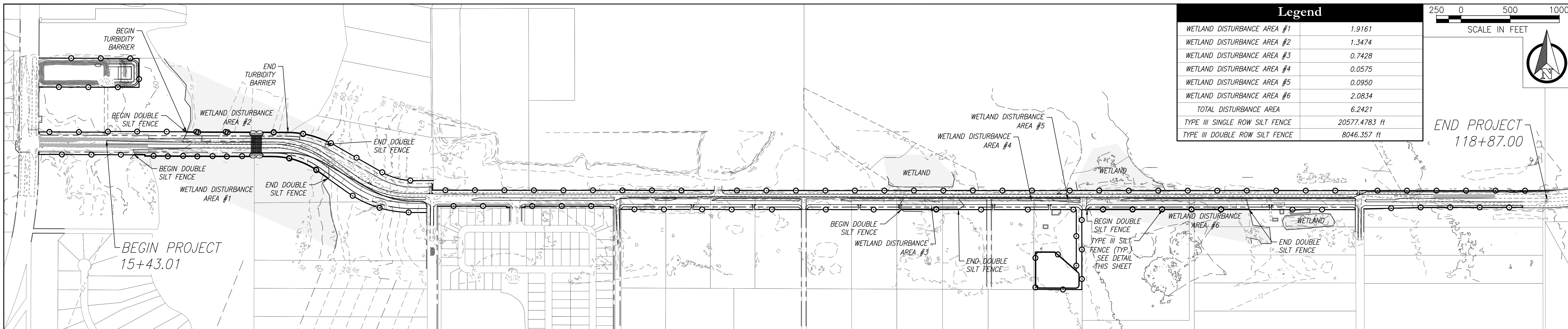
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DATE	DESCRIPTION	DATE	DESCRIPTION
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09-XX-2021	60% SUBMITTAL		

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OSCEOLA COUNTY
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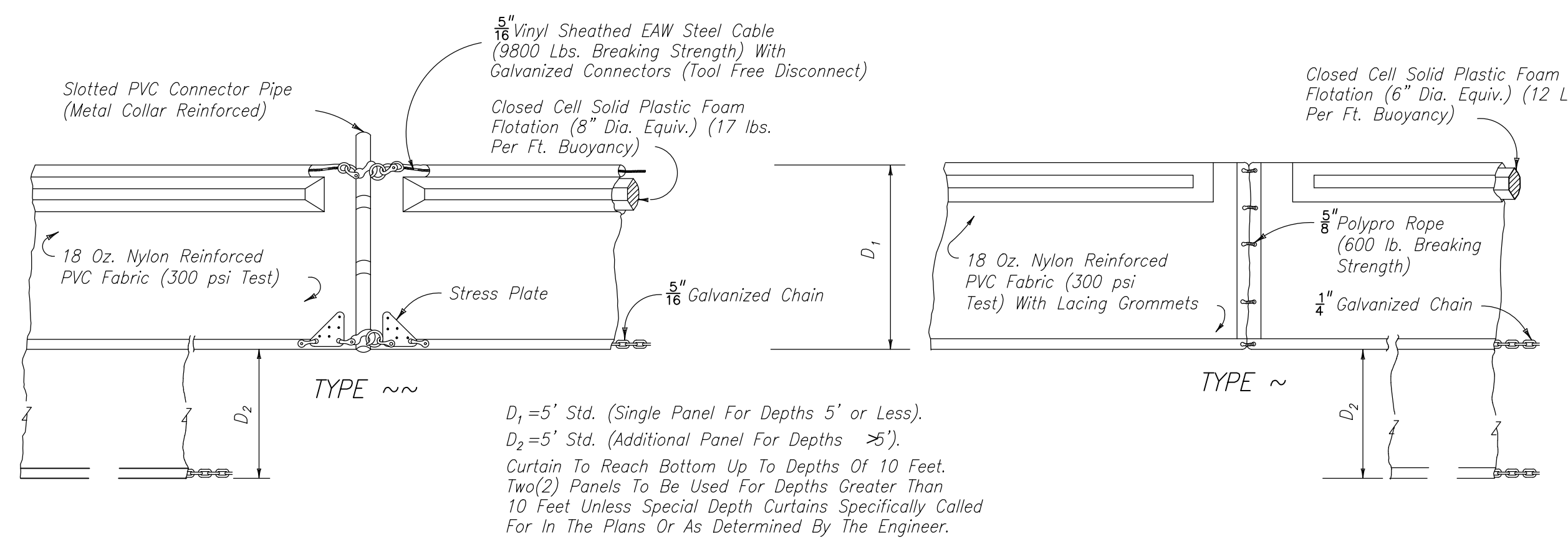
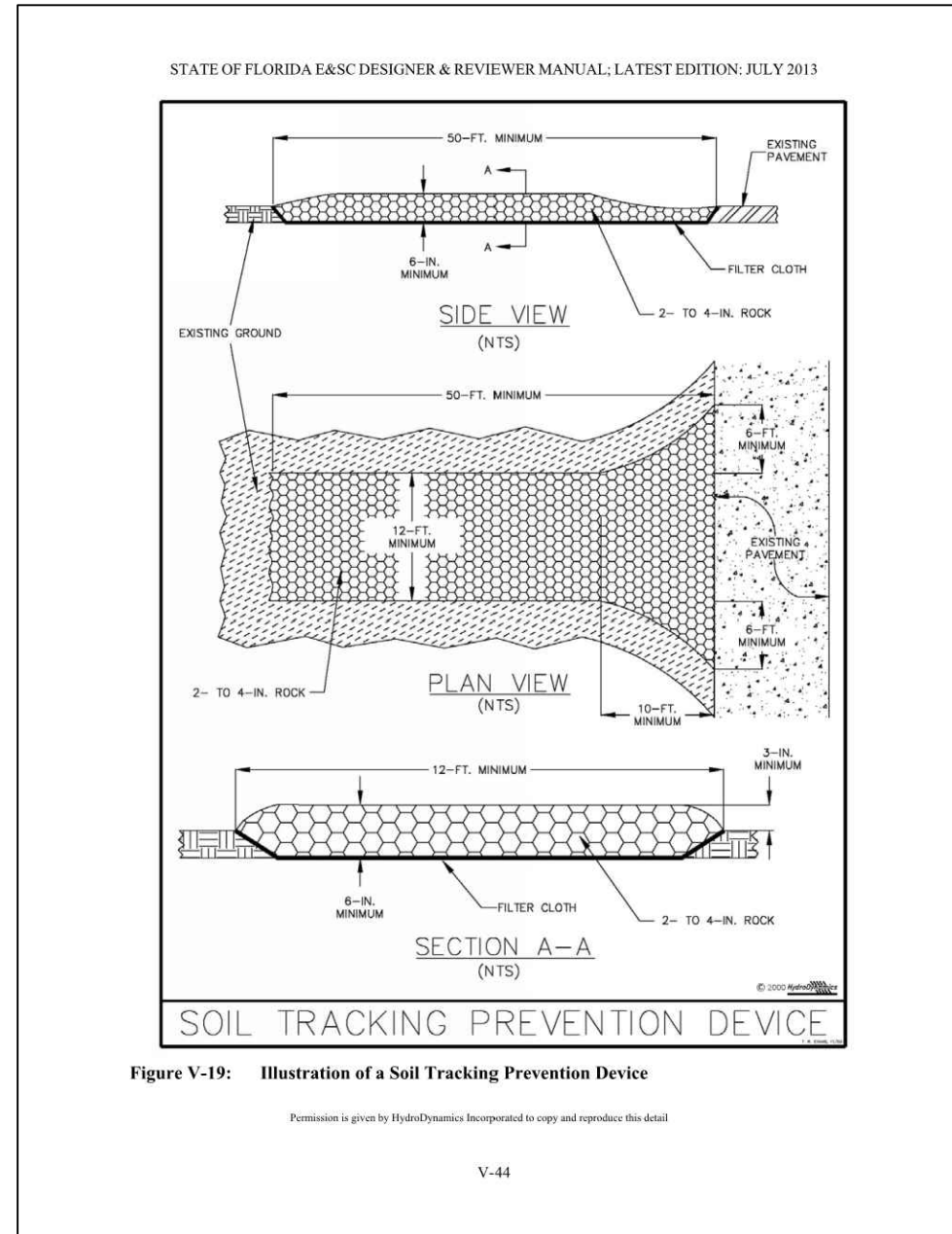
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 EXISTING CONDITIONS - SOILS &
 FLOODPLAIN

SHEET
 NO.
 8

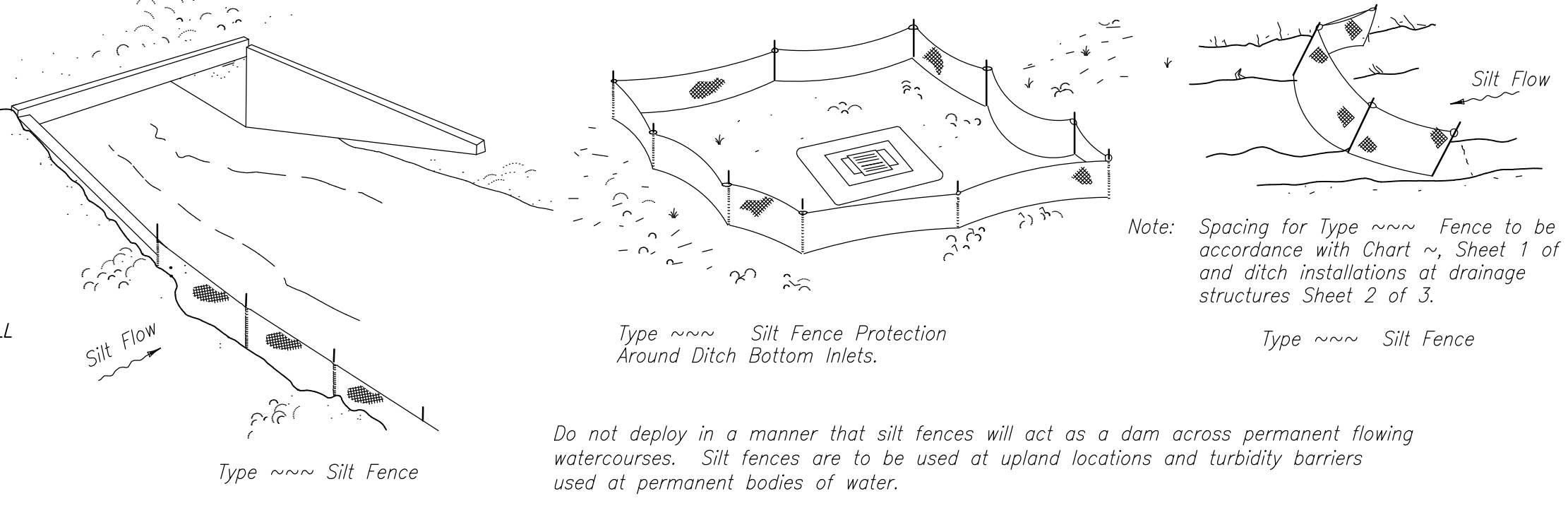


- EROSION CONTROL NOTES:**
- DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING SURFACE WATERS. SUCH MEASURES SHALL BE APPROVED BY THE PROJECT ENGINEER AND MAY INCLUDE, BUT NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES, SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, OR SILT BARRIERS.
 - SEEDING OF DETENTION PONDS SHOULD BE ACCOMPLISHED WITH IN SEVEN (7) DAYS FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.
 - AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES. ALL ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.
 - IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL METHODS OF PROTECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH S.F.W.M.D. AND OSCEOLA COUNTY EROSION PROTECTION STANDARDS. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
 - THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED SWPPP PLAN TO OSCEOLA COUNTY FOR REVIEW AND APPROVAL A MINIMUM OF 2 WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. AT A MINIMUM, THE EROSION CONTROL PLAN SHALL PROPOSE SILT SCREEN OR SYNTHETIC HAY BALES AND TURBIDITY BARRIERS, IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
 - 2" STRIP OF SOD SHALL BE PLACED BEHIND BACK OF CURB. THE CURBSIDE BMP SHALL BE INSTALLED AS INDICATED IN THE SWPPP WHILE GRADING IS ACTIVE.
 - ALL PERMANENT EROSION CONTROL MEASURES SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING. ALL TEMPORARY EROSION CONTROL SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE COMPLETED AND ESTABLISHED.
 - CONTRACTOR SHALL STAKE IN ALL SOD UNTIL SUCH TIME THAT GROUND IS STABILIZED IN ORDER TO PREVENT EROSION. ALL SLOPES GREATER THAN 6:1 SHALL BE SODDED AND STAKED.
 - WORK SHALL BE DONE IN ACCORDANCE WITH EPA, FDEP, SFWMD, AND OSCEOLA COUNTY BEST MANAGEMENT PRACTICES AND EROSION CONTROL SPECIFICATIONS.
 - DISCHARGE OF GROUNDWATER FROM DEWATERING OPERATIONS REQUIRES APPROVAL FROM FDEP AND THE APPLICABLE WATER MANAGEMENT DISTRICT. THE DEVELOPER/CONTRACTOR SHALL OBTAIN A FDEP GENERIC PERMIT FOR THE DISCHARGE OF GROUND WATER FROM DEWATERING OPERATIONS PURSUANT TO THE REQUIREMENTS OF 62-621.300(2)(A) AND 62-620 F.A.C. AND FLORIDA STATUTES CHAPTER 403.
 - PRIOR TO THE START OF LAND DISTURBING ACTIVITIES, WHICH INCLUDES DEMOLITION, EARTHWORK AND/OR CONSTRUCTION, THE DEVELOPER/CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) A NOTICE OF INTENT (NOI) TO OBTAIN COVERAGE UNDER THE NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) PURSUANT TO THE REQUIREMENTS OF 62-621.300(4)(A) F.A.C. UPON COMPLETION OF ALL LAND DISTURBING ACTIVITIES AND AFTER FINAL STABILIZATION OF THE SITE IS COMPLETE, THE DEVELOPER/CONTRACTOR SHALL SUBMIT TO FDEP A NOTICE OF TERMINATION (NOT) TO END THEIR COVERAGE UNDER THE CGP.
 - BMPs TO CONTROL DUST SHALL BE IMPLEMENTED, AS NEEDED, DURING THE COURSE OF LAND DISTURBING ACTIVITIES.
 - EXCAVATION ACTIVITY SHALL BE CONDUCTED SO AS TO CONTROL THE GENERATION AND OFF-SITE MIGRATION OF DUSTS AND PARTICLES. ALL AREAS IN WHICH SUCH DUSTS OR PARTICLES MAY BE GENERATED SHALL BE KEPT WET, TREATED WITH CHEMICAL DUST DETERGENTS, OR CONTROLLED IN ANOTHER MANNER TO REDUCE THE POTENTIAL FOR THEIR OFFSITE MIGRATION. ATMOSPHERIC DISCHARGES FROM PROCESSING AND DRYING EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE STATE, FEDERAL AND LOCAL LAWS. TO MINIMIZE DUST AND TO PREVENT THE DEPOSIT OF SOIL EXCAVATION MATERIAL ON PAVED ROADS, TRUCKS SHALL BE COVERED WITH THEIR TAILGATES LATCHED. DIRT ROAD SEGMENTS OF THE DESIGNATED

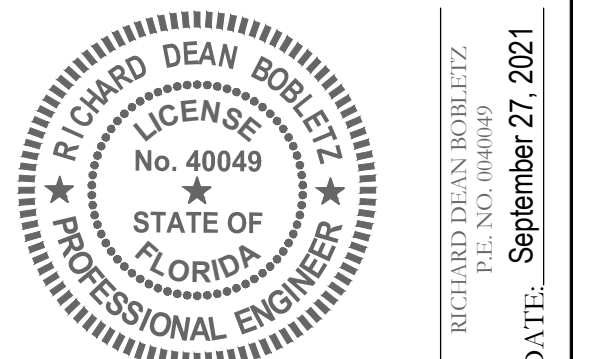
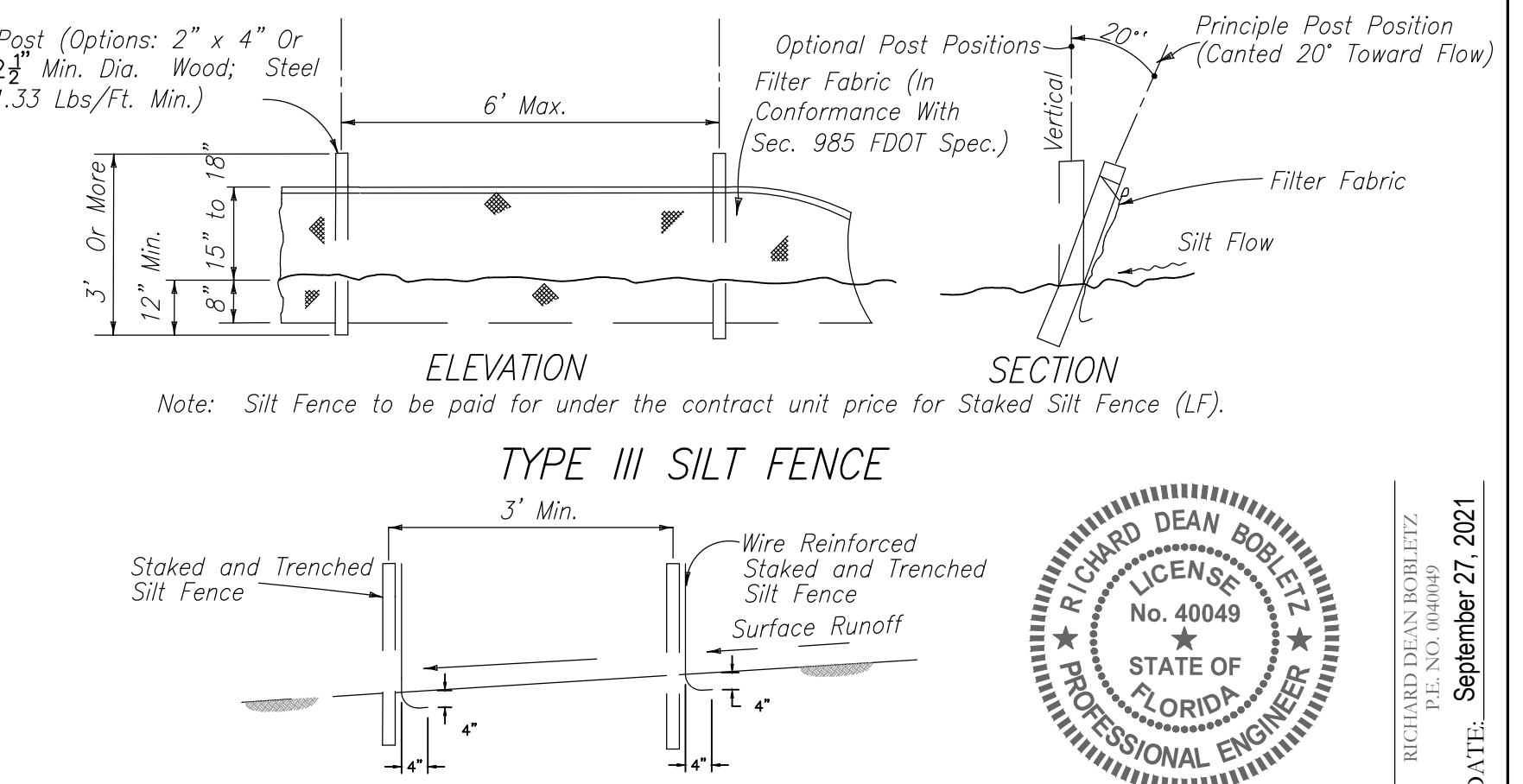
- HAUL ROUTE SHALL REQUIRE REGULAR WATERING, AS NECESSARY, TO MINIMIZE DUST GENERATED BY HAULING ACTIVITIES.
- NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR DIRECTLY TO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY. CONTRACTOR TO EXTEND EROSION SOCK PIPE 1" (FT.) BEYOND CURB THROAT AT EACH END. THREE (3) SAND BAGS ARE REQUIRED FOR EACH SOCK PIPE.



FLOATING TURBIDITY BARRIERS



SILT FENCE APPLICATIONS



- CONSTRUCTION ENTRANCE DETAIL**
- N.T.S.
- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE IN ACCORDANCE WITH FDOT EROSION AND SEDIMENT CONTROL MANUAL LATEST EDITION.
 - CONTRACTOR SHALL PHOTODOCUMENT EXISTING CONDITIONS OF ALL OFFSITE ROADWAYS USED FOR HAULING MATERIAL.

REVISIONS			
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09-XX-2021	60% SUBMITTAL		

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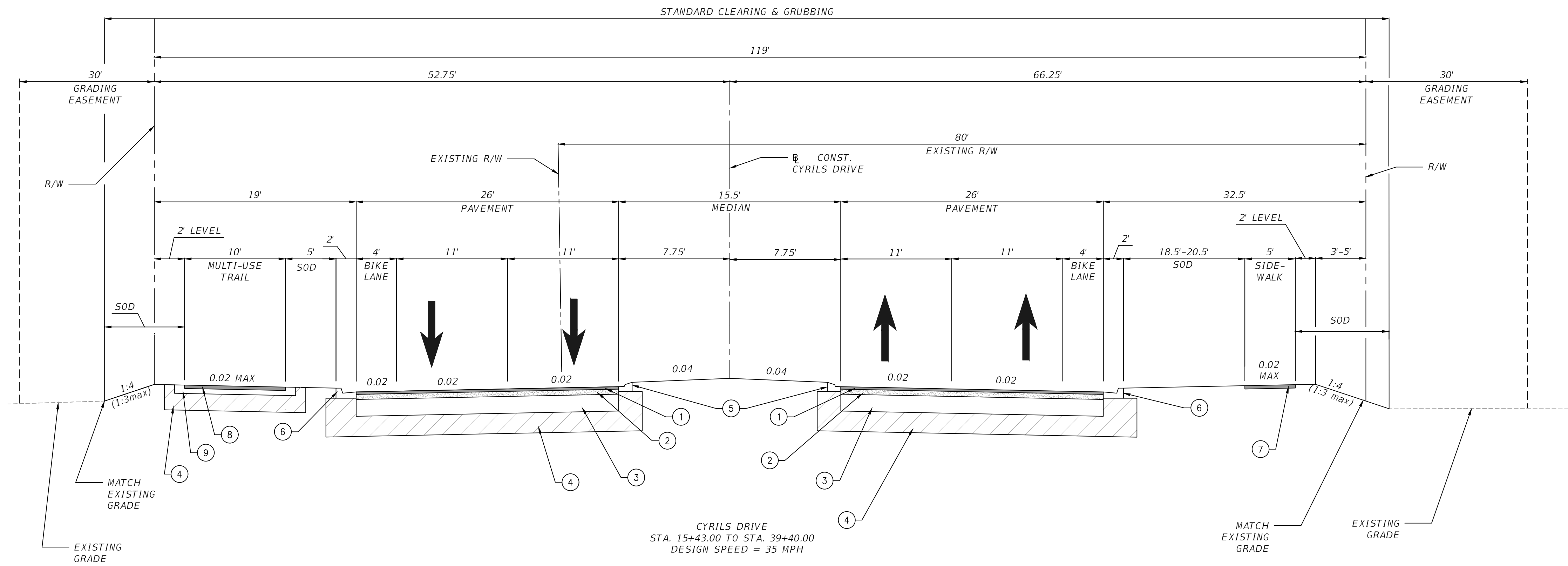
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OSCEOLA COUNTY PROJECT NO. (XXXX)

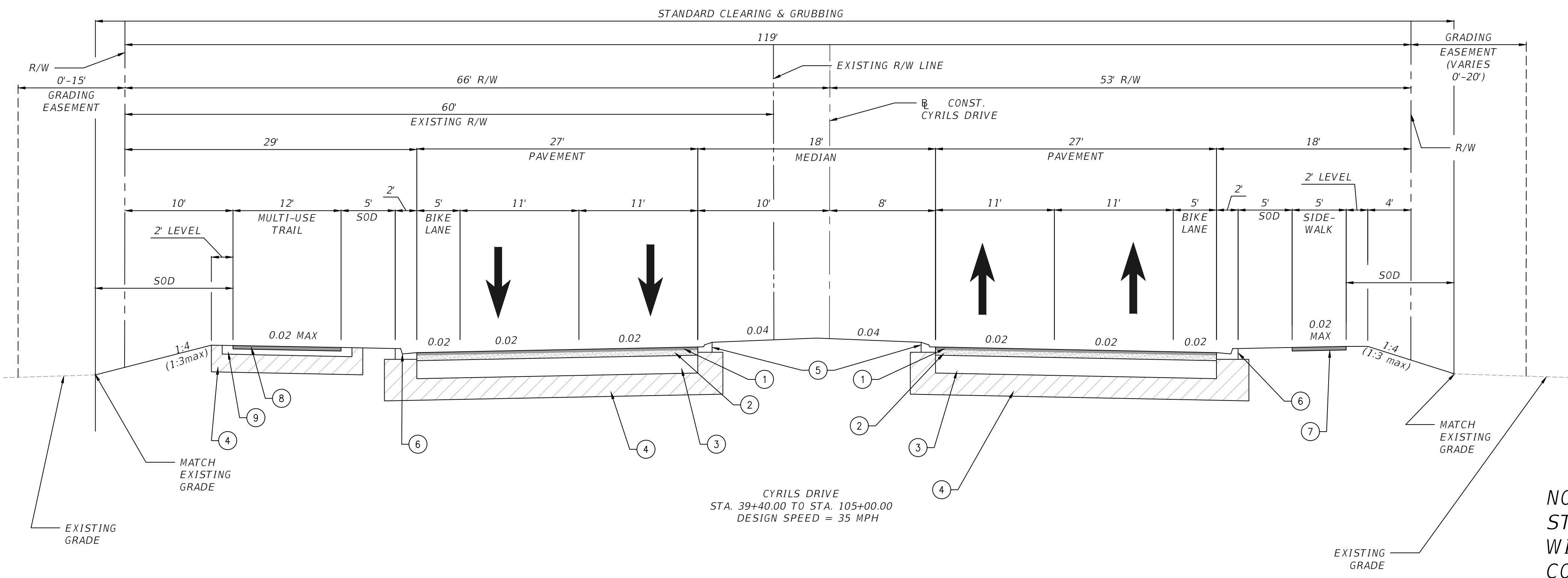
CYRILS DRIVE / NARCOOSSEE ROAD TO ABSHER ROAD - ROAD WIDENING EROSION CONTROL PLAN & DETAILS

SHEET NO.	9
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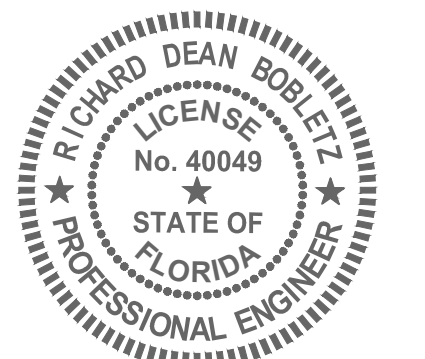
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Legend	
ID	Description
1	1" TYPE SP-9.5 (TRAFFIC B)
2	2" STRUCTURAL COURSE TYPE SP-12.5
3	10" LIMEROCK BASE COURSE WITH LBR=100 (SN=3.86)
4	12" STABILIZED SUBGRADE WITH LBR=40
5	TYPE 'A' CURB & GUTTER
6	TYPE 'F' CURB & GUTTER
7	4" THICK SIDEWALK
8	1" TYPE SP-9.5 (TRAFFIC A)
9	4" LIMEROCK BASE (LBR100)
10	TYPE 'E' CURB & GUTTER



NOTE: FROM STATION 65+22 TO STATION 111+33 PAVEMENT DESIGN WILL CHANGE TO 3" STRUCTURAL COURSE TYPE SP-12.5



RICHARD DEAN BOBLETZ
 License No. 40049
 State of Florida
 Professional Engineer
 DATE: September 27, 2021

NOT TO SCALE

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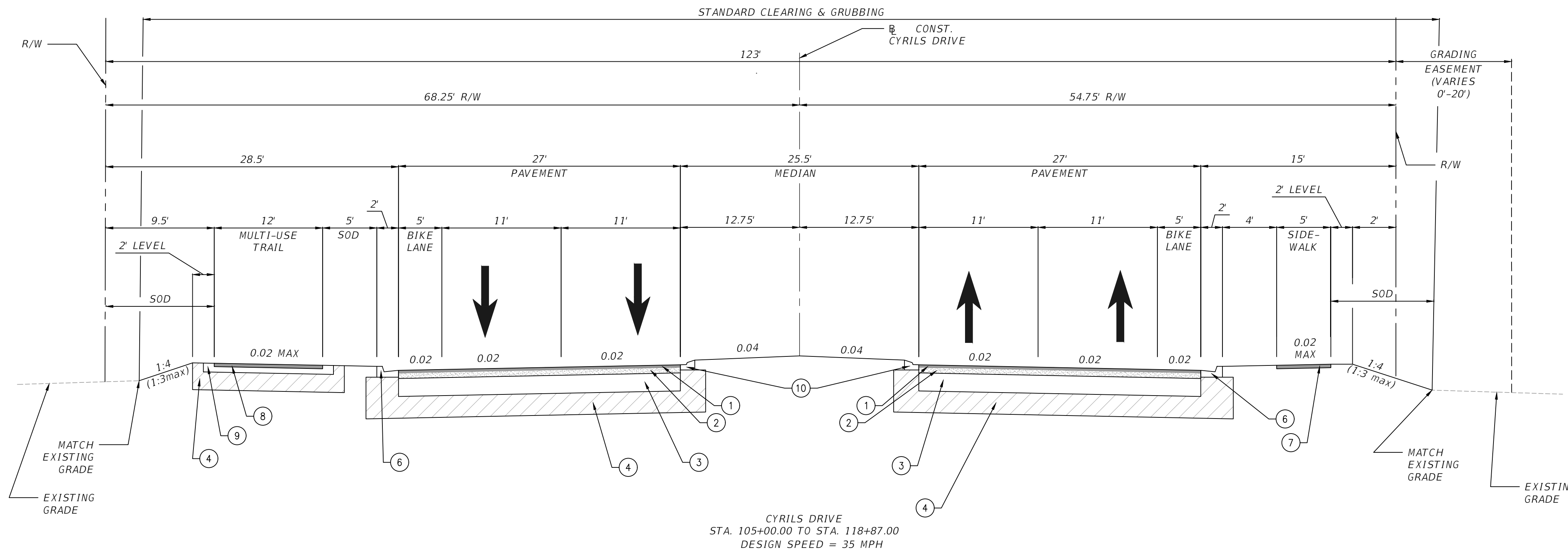
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 TYPICAL ROADWAY SECTIONS

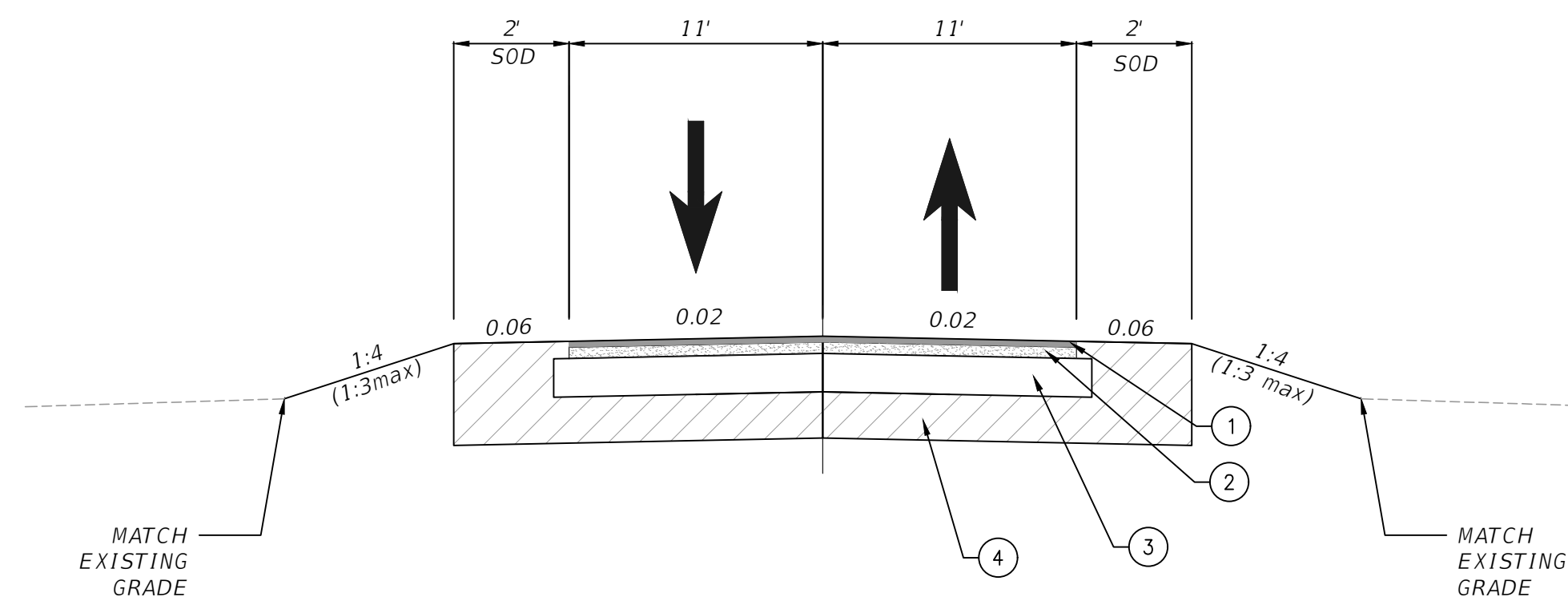
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Legend	
ID	Description
①	1" TYPE SP-9.5 (TRAFFIC B)
②	2" STRUCTURAL COURSE TYPE SP-12.5
③	10" LIMEROCK BASE COURSE WITH LBR=100 (SN=3.86)
④	12" STABILIZED SUBGRADE WITH LBR=40
⑤	TYPE 'A' CURB & GUTTER
⑥	TYPE 'F' CURB & GUTTER
⑦	4" THICK SIDEWALK
⑧	1" TYPE SP-9.5 (TRAFFIC A)
⑨	4" LIMEROCK BASE (LBR100)
⑩	TYPE 'E' CURB & GUTTER

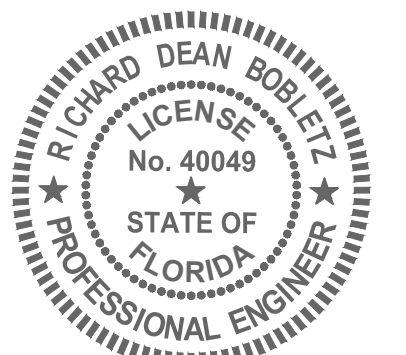
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ZUNI ROAD: STA 128+15.42 - 129+68.25
 AVERSA AVENUE: STA 139+40.22 - 139+65.00
 FRANKLIN ROAD: STA 147+78.76 - 149+92.00
 ADDISON BOULEVARD: STA 160+37.00 - 160+84.09
 FUTURE CONNECTION #1: STA 169+28.64 - 169+65.02
 MCMICHAEL ROAD: STA 189+30.00 - 189+65.02
 ABSHER ROAD: 197+30.32 - 199+24.82

DESIGN SPEED = 35 MPH

NOTE: PAVEMENT DESIGN FOR FUTURE CONNECTION #1, MCMICHAEL ROAD AND ABSHER ROAD SHALL BE 3" STRUCTURAL COURSE TYPE SP-12.5



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 Professional Engineer
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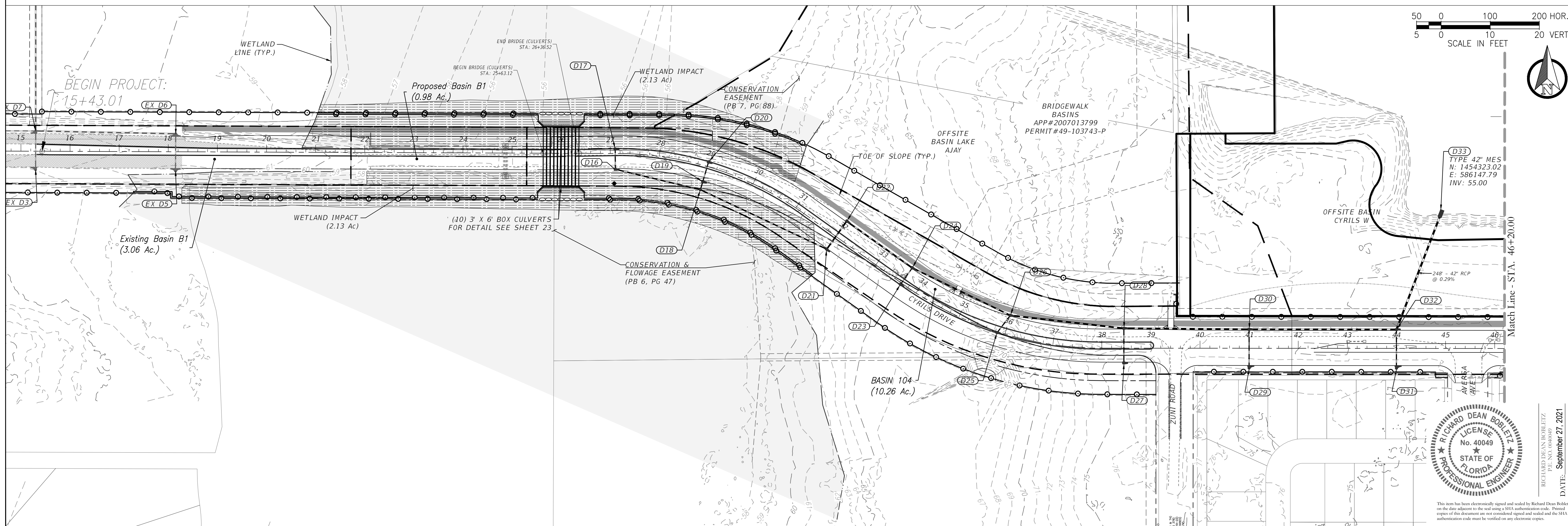
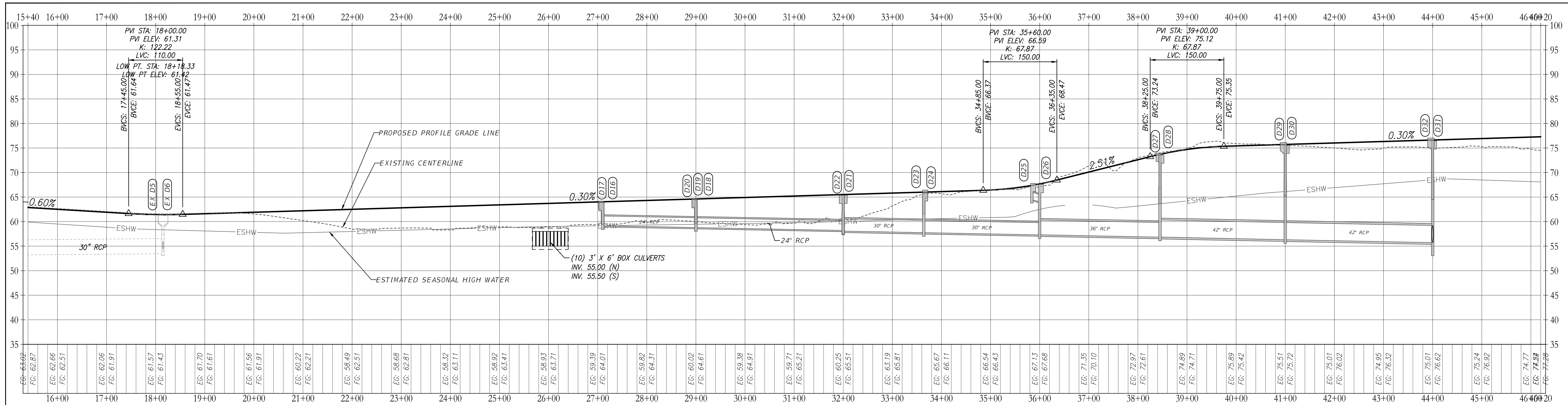
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CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 TYPICAL ROADWAY SECTIONS

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11



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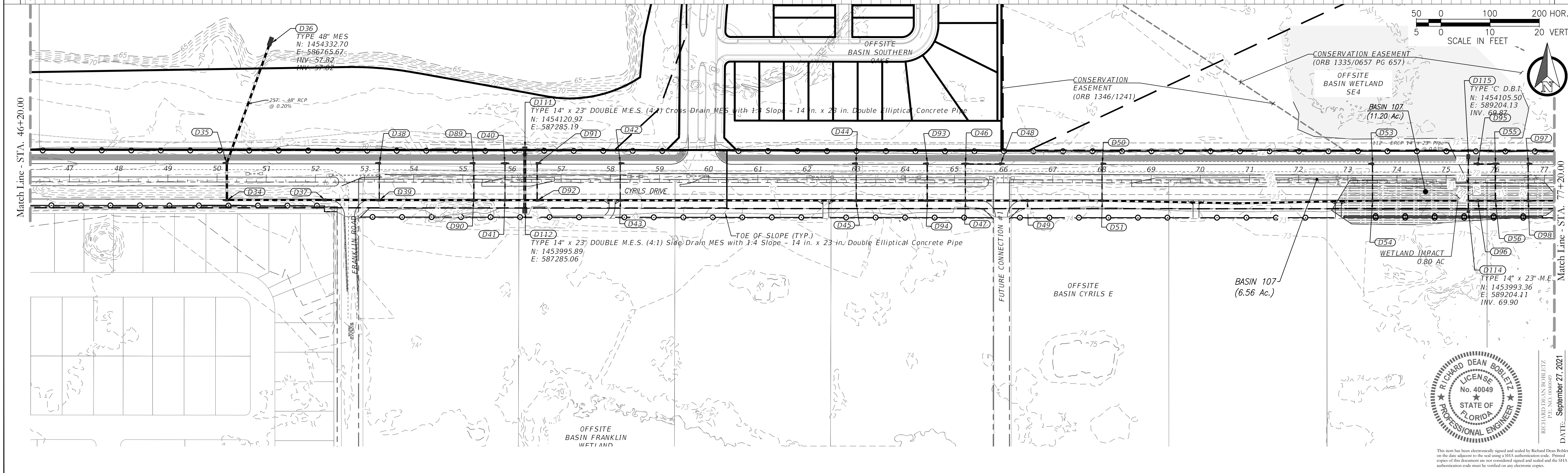
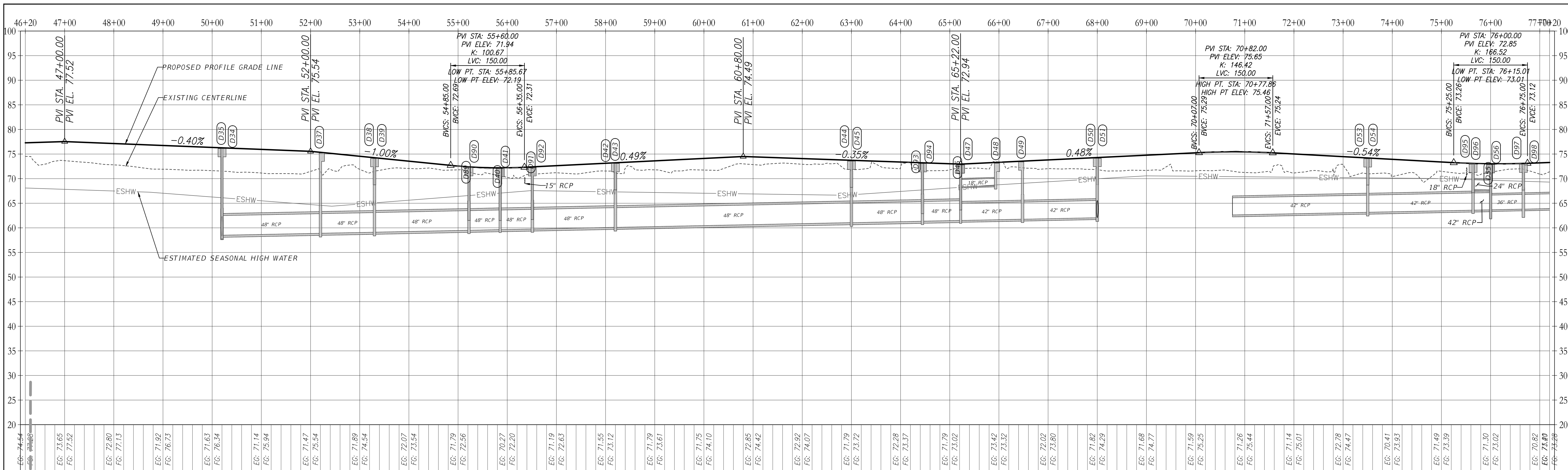
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 DRAINAGE MAP

SHEET NO.
 12

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 PROFESSIONAL ENGINEER
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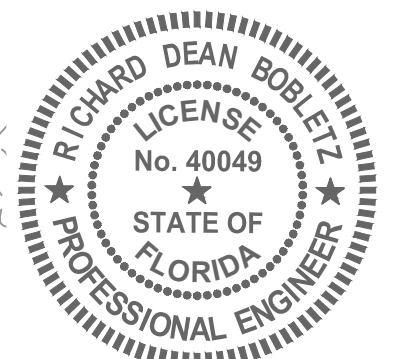
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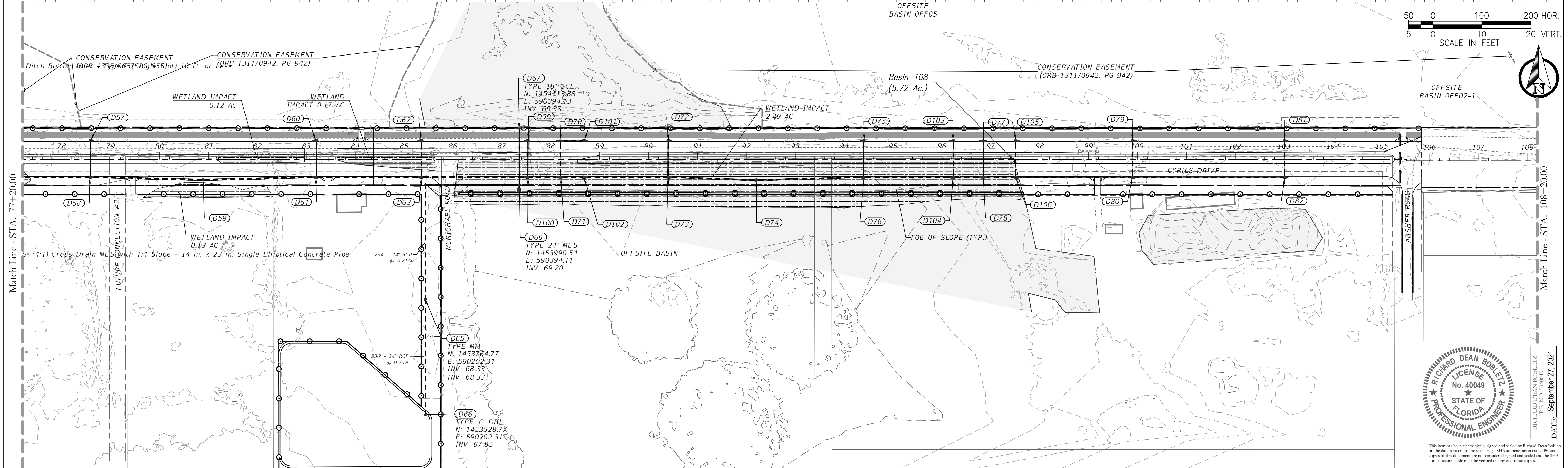
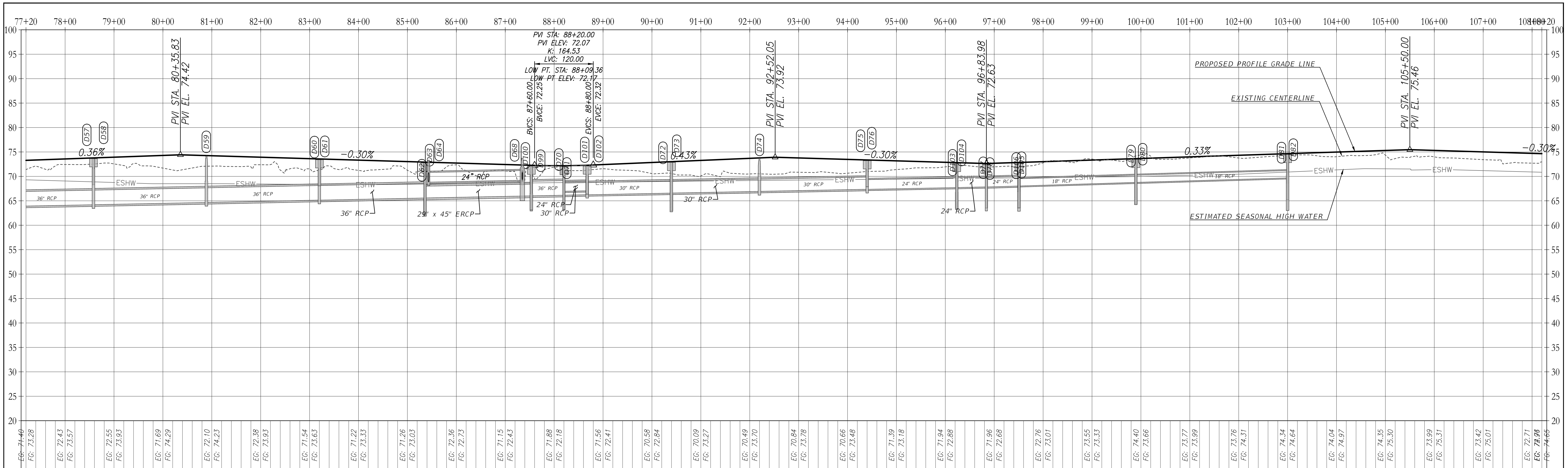
CYRILS DRIVE / NARCOOSSEE ROAD TO
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 DRAINAGE MAP

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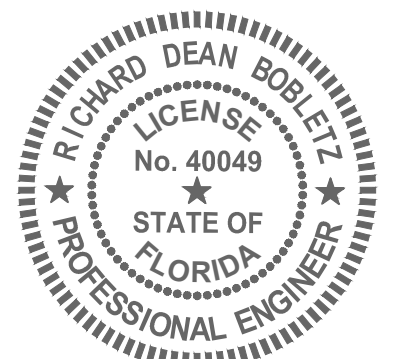
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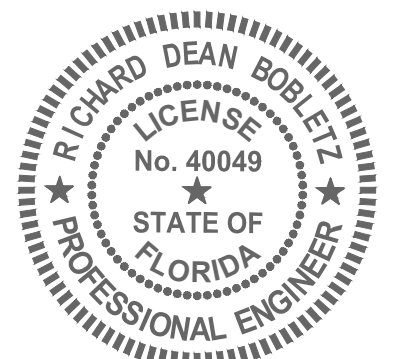
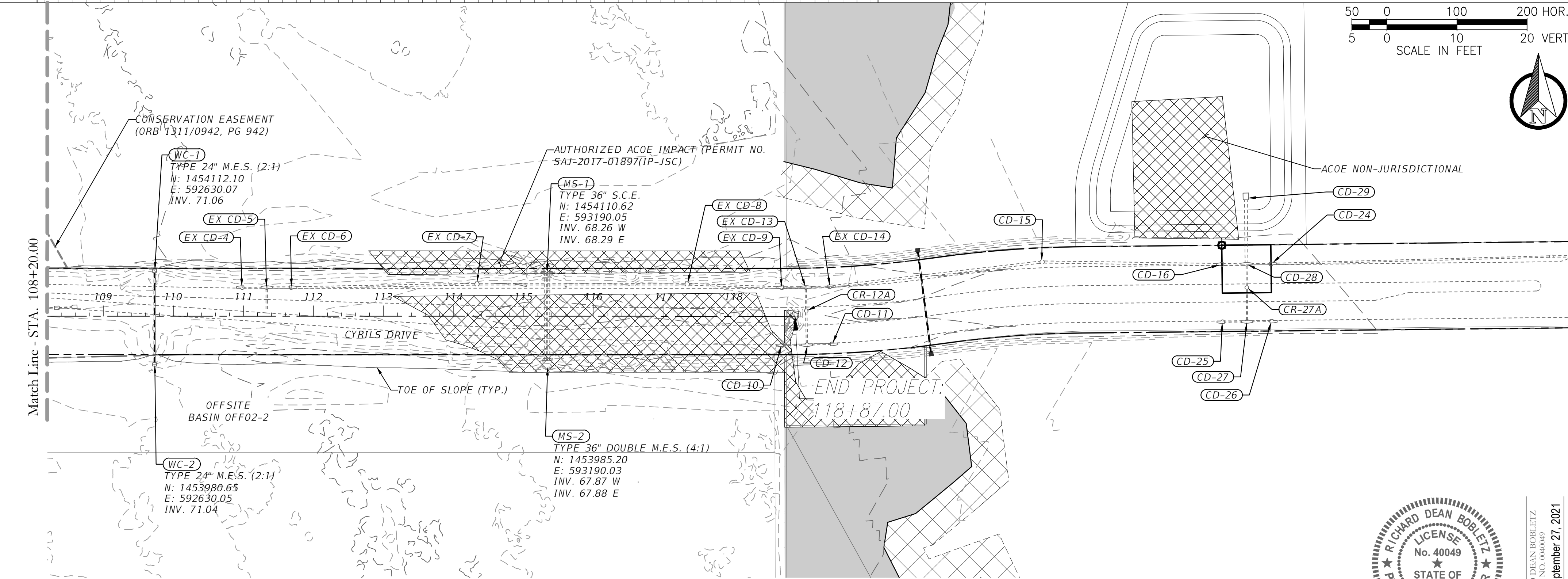
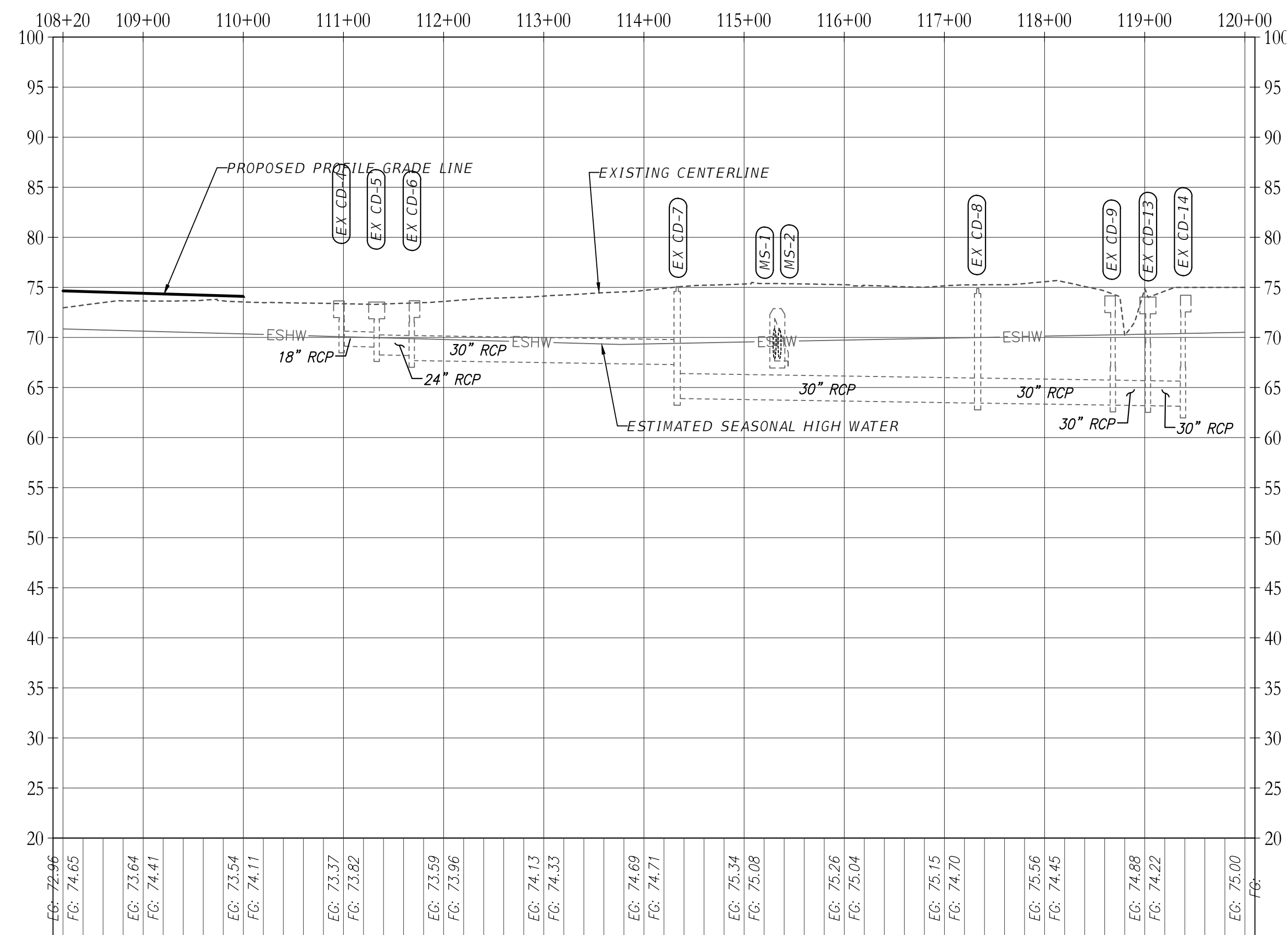
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 DRAINAGE MAP

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 PROFESSIONAL ENGINEER
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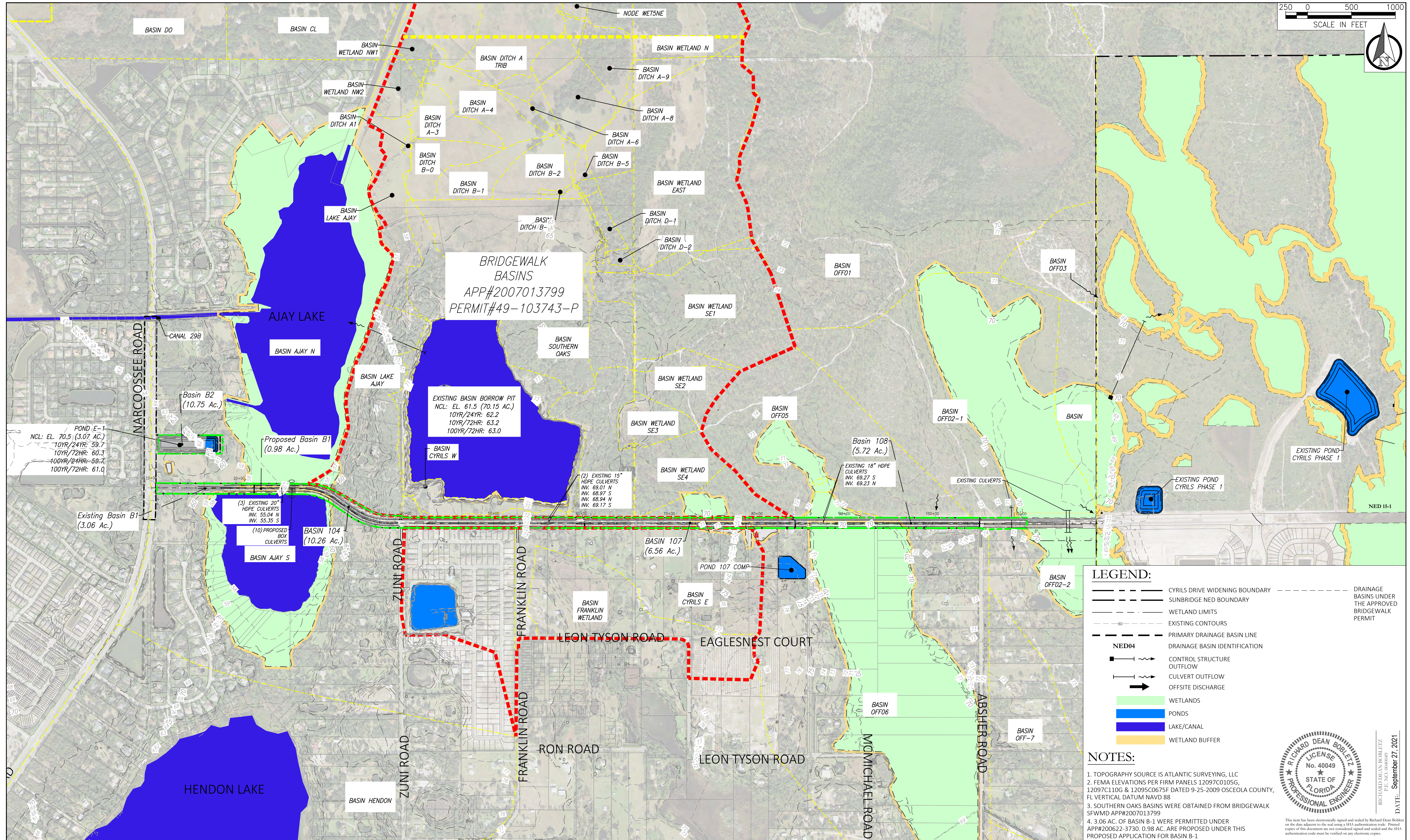
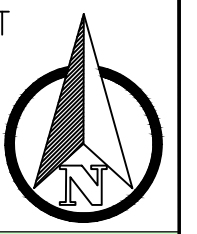
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OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 DRAINAGE MAP

SHEET NO.
 15

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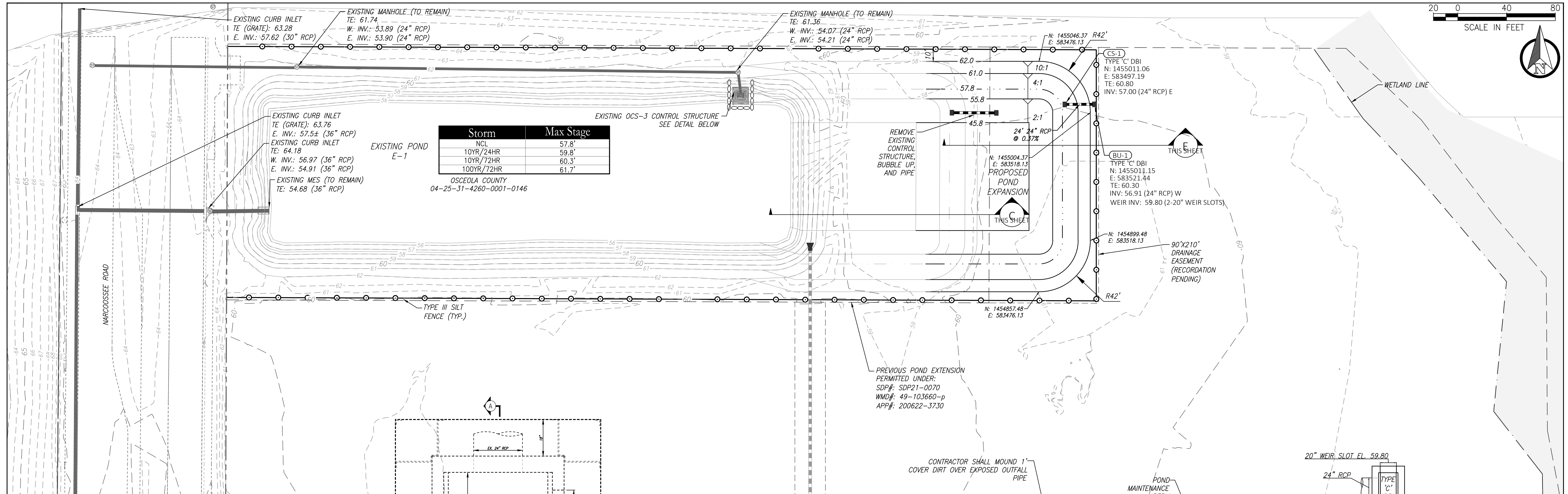
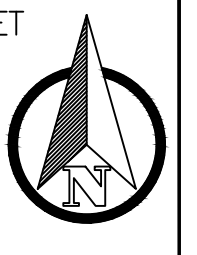
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PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
POST-DEVELOPMENT BASIN MAP

SHEET NO.
16

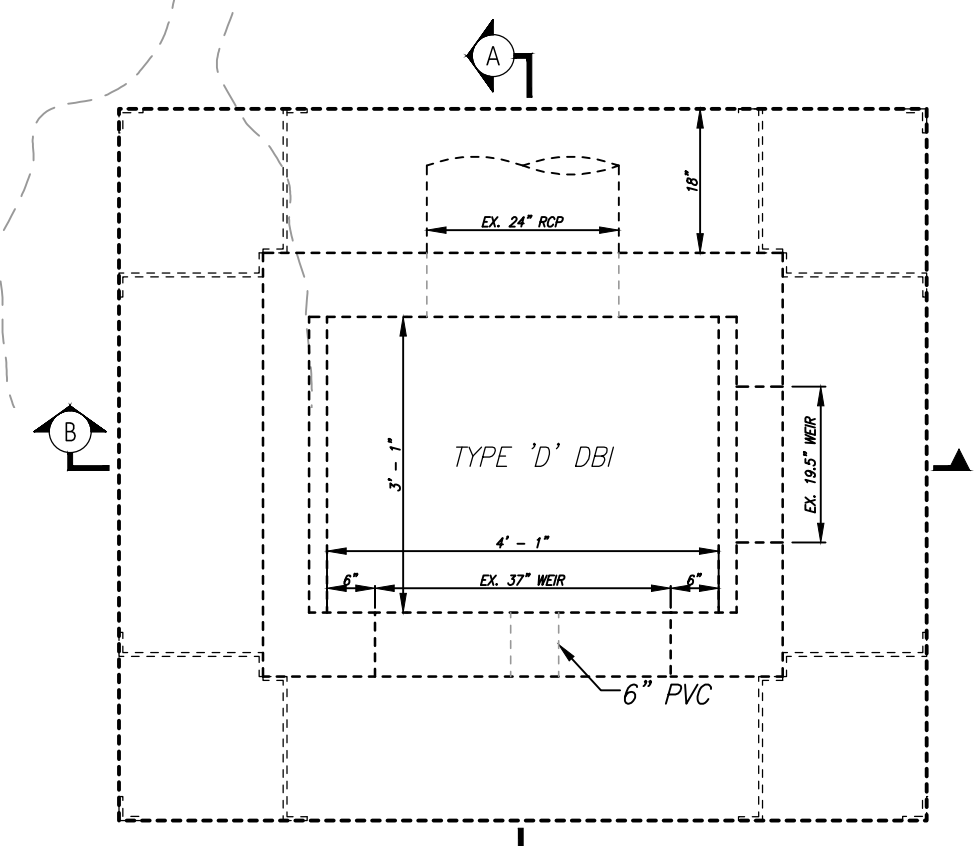
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RICHARD DEAN BOBLETZ
LICENSE No. 40049
STATE OF FLORIDA
DATE: September 27, 2021

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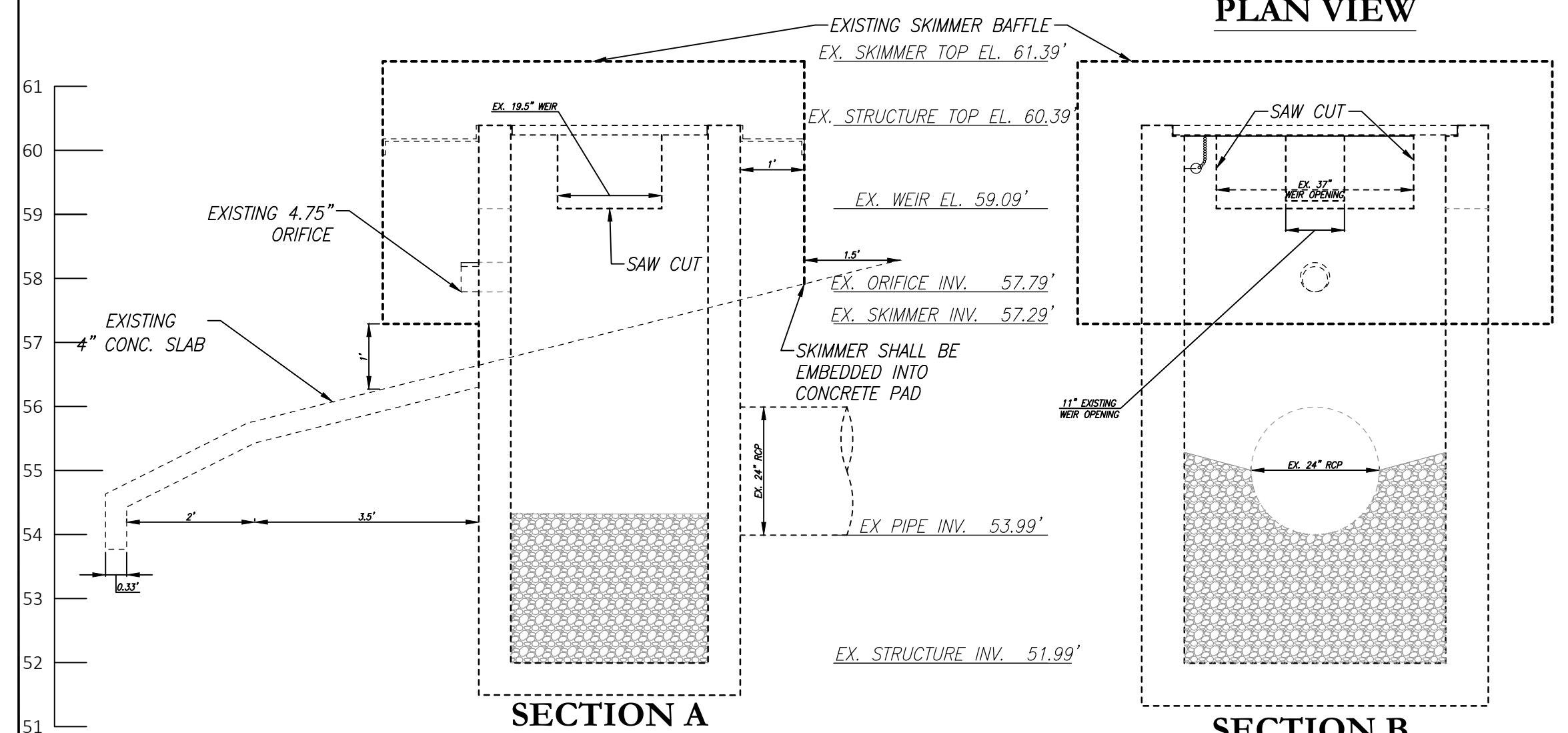


Storm	Max Stage
NCL	57.8'
10YR/24HR	59.8'
10YR/72HR	60.3'
100YR/72HR	61.7'

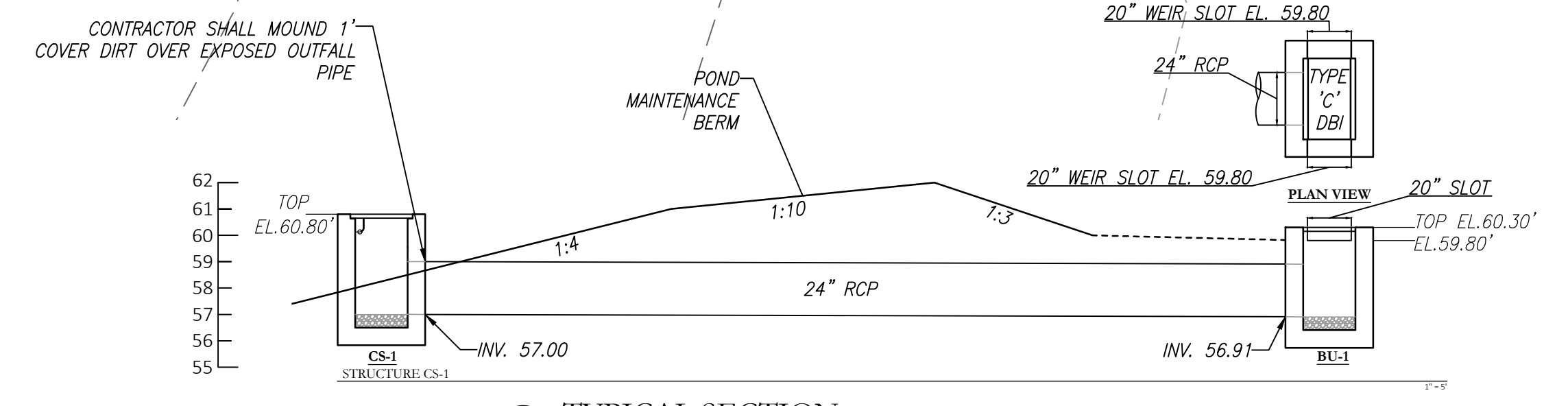
OSCEOLA COUNTY
04-25-31-4260-0001-0146



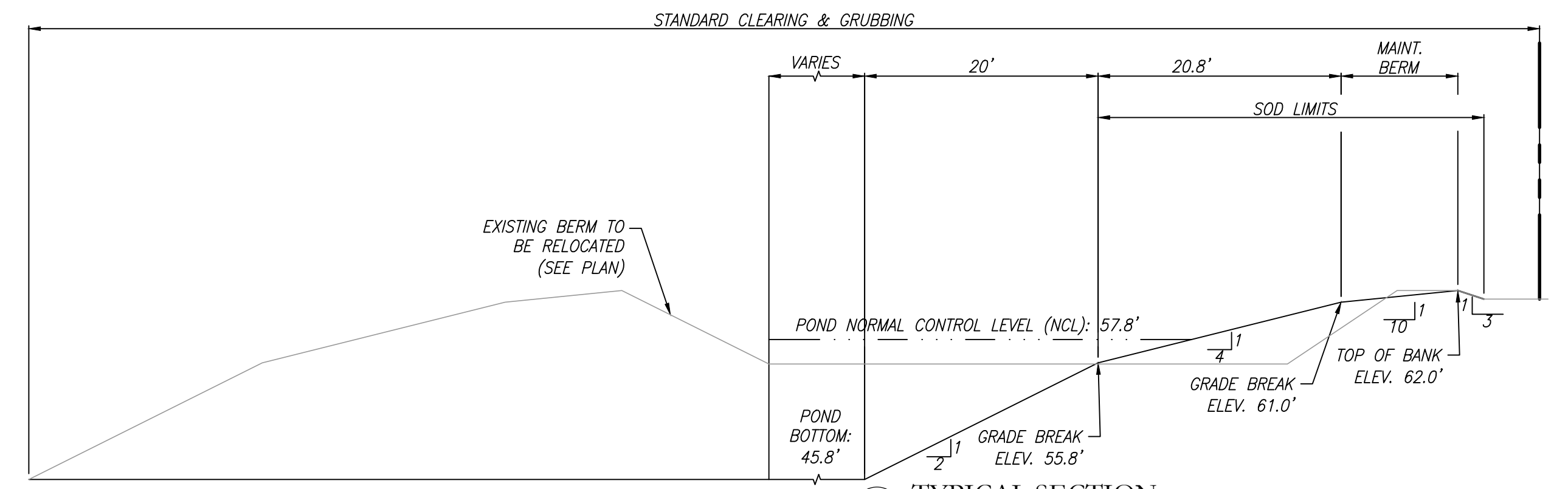
PLAN VIEW



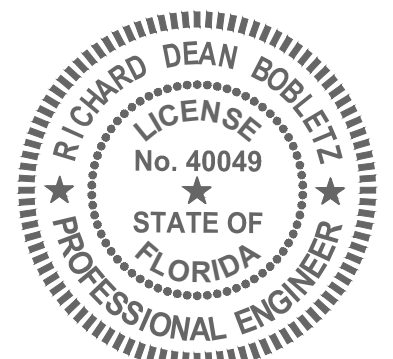
EXISTING OUTFALL STRUCTURE OCS-3
NOTE: STRUCTURE OCS-3 ELEVATIONS ARE PERMITTED UNDER SFWMD ERP PERMIT # 49-01006-P, APPLICATION # 081117-25 - NO CHANGES ARE PROPOSED ON THIS STRUCTURE UNDER THIS APPLICATION



TYPICAL SECTION E
1"=5'



TYPICAL SECTION C
1"=10'



RICHARD DEAN BOBLETZ
September 27, 2021
DATE:

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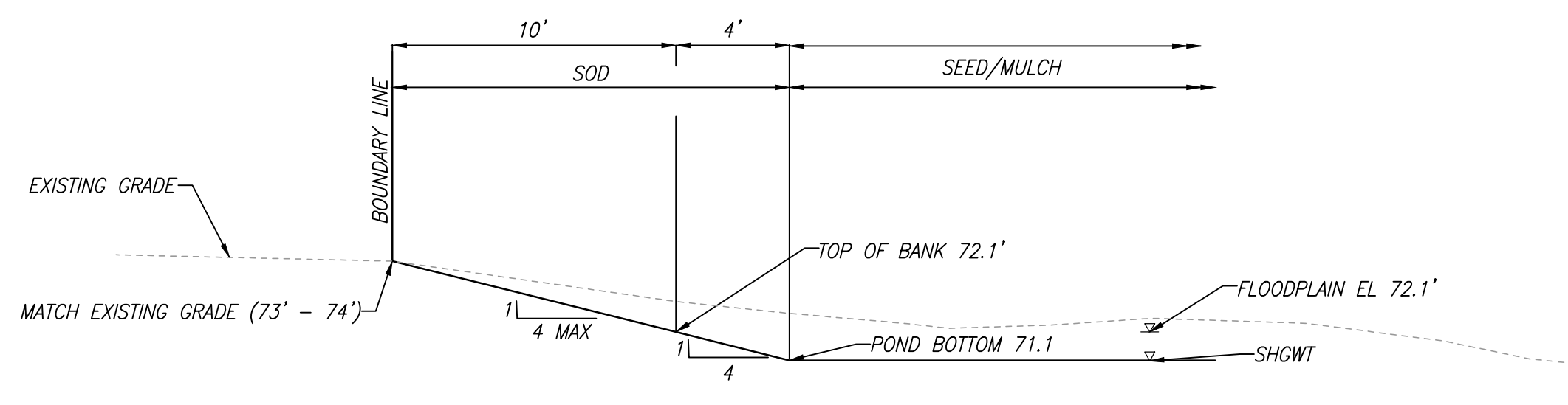
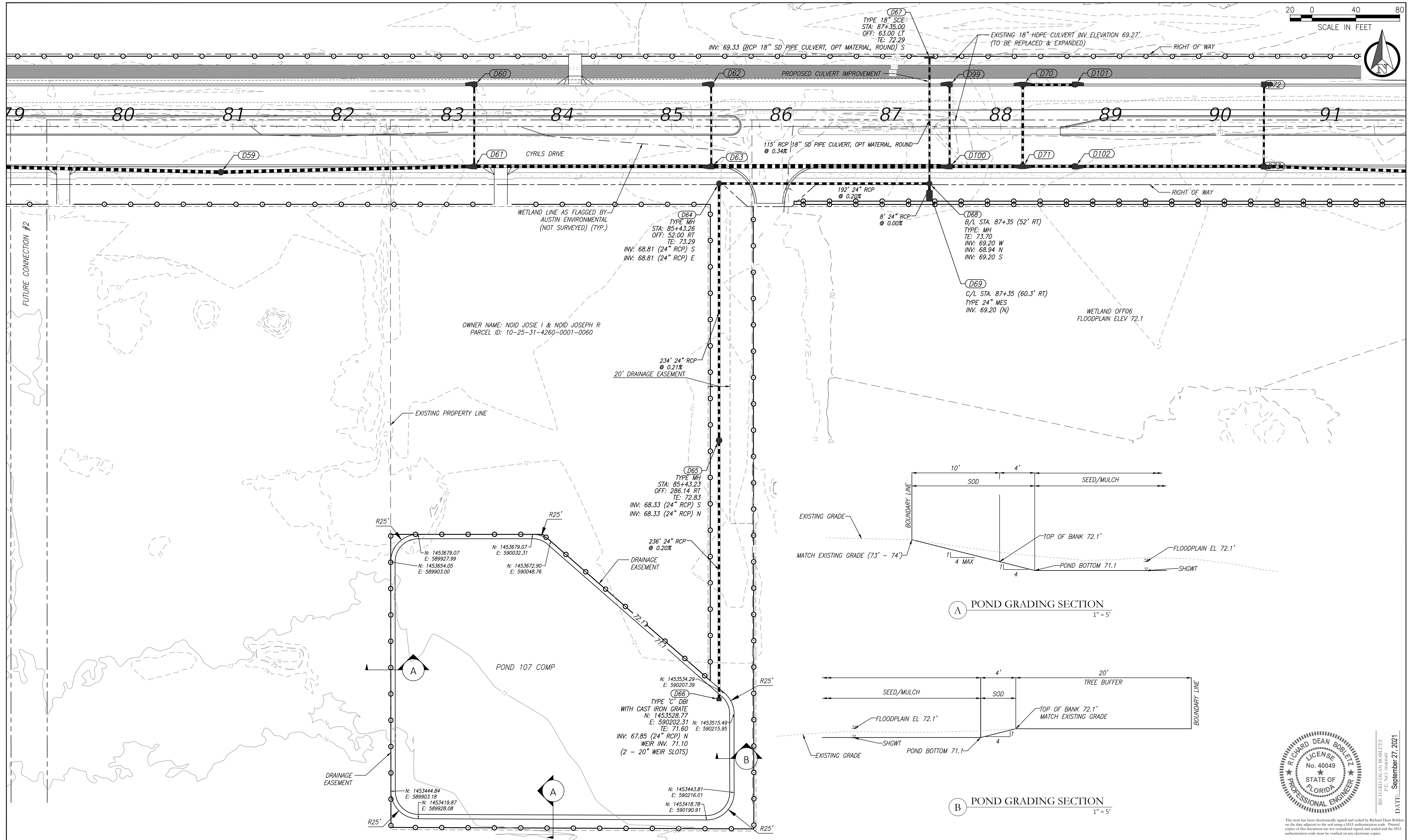
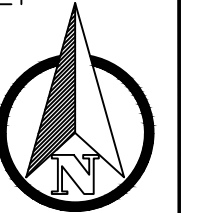
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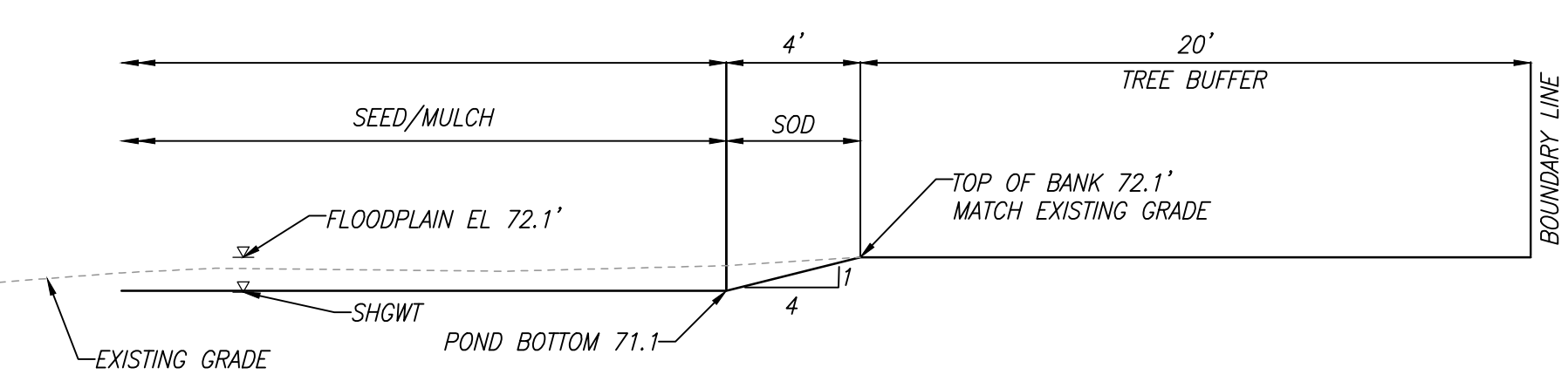
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
POND E-1 EXPANSION & CONTROL
STRUCTURE MODIFICATIONS

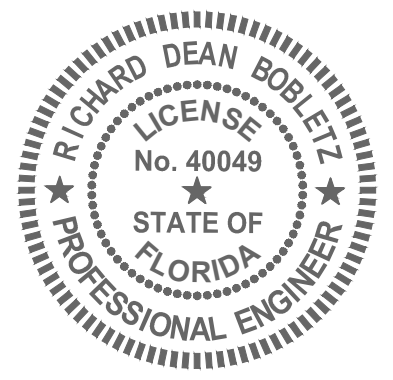
SHEET NO.
17



A POND GRADING SECTION
1" = 5'



B POND GRADING SECTION
1" = 5'



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September 27, 2021
DATE:

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DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

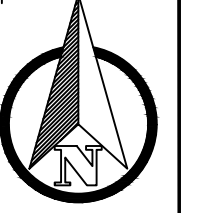


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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
POND & CONTROL STRUCTURE DETAILS

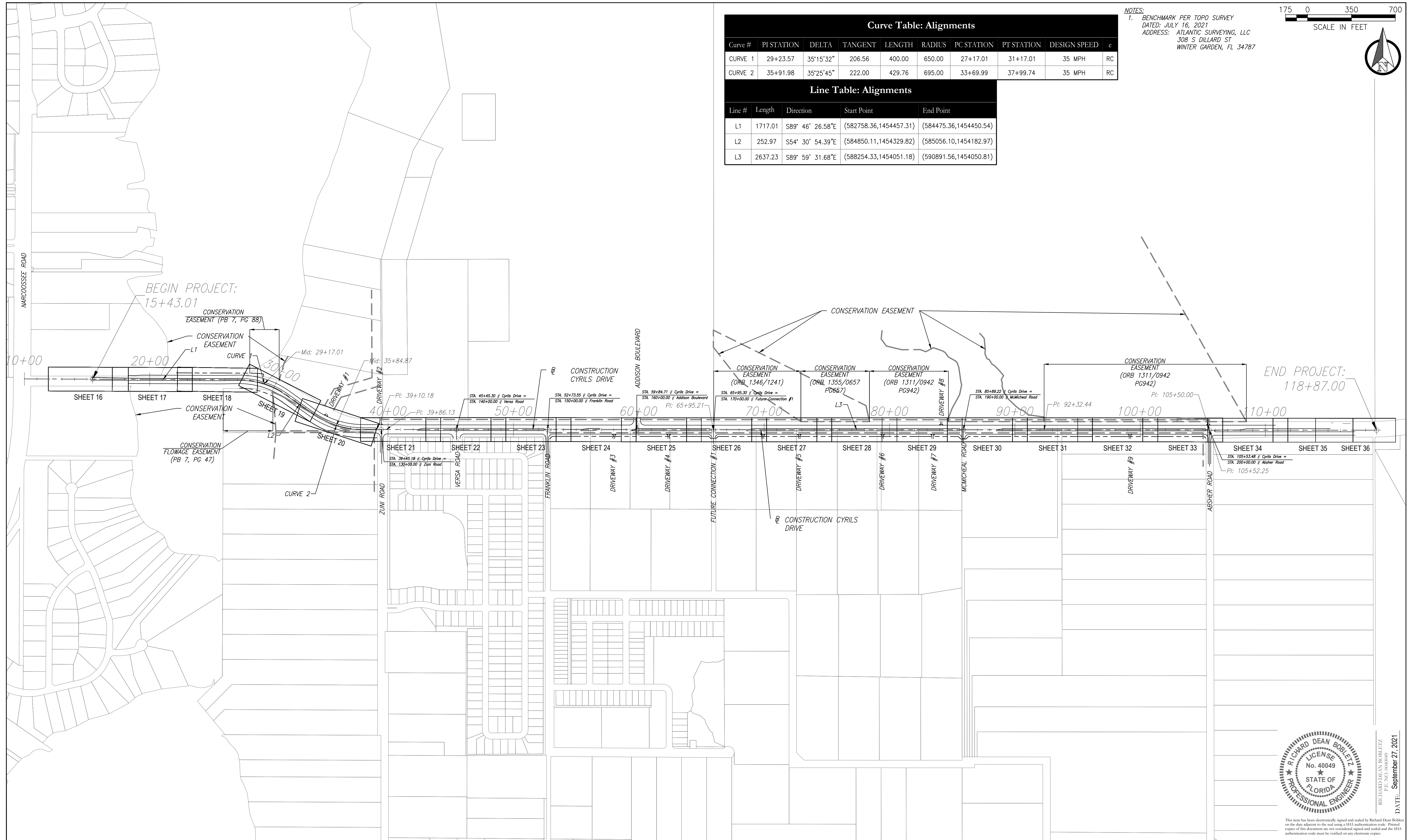
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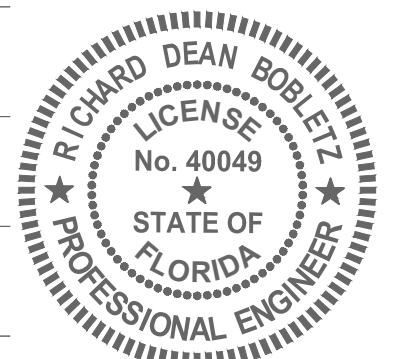
NOTES:
1. BENCHMARK PER TOPO SURVEY
DATED: JULY 16, 2021
ADDRESS: ATLANTIC SURVEYING, LLC
308 S DILLARD ST
WINTER GARDEN, FL 34787

Curve Table: Alignments									
Curve #	PI STATION	DELTA	TANGENT	LENGTH	RADIUS	PC STATION	PT STATION	DESIGN SPEED	e
CURVE 1	29+23.57	35°15'32"	206.56	400.00	650.00	27+17.01	31+17.01	35 MPH	RC
CURVE 2	35+91.98	35°25'45"	222.00	429.76	695.00	33+69.99	37+99.74	35 MPH	RC

Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L1	1717.01	S89° 46' 26.58"E	(582758.36,1454457.31)	(584475.36,1454450.54)
L2	252.97	S54° 30' 54.39"E	(584850.11,1454329.82)	(585056.10,1454182.97)
L3	2637.23	S89° 59' 31.68"E	(588254.33,1454051.18)	(590891.56,1454050.81)



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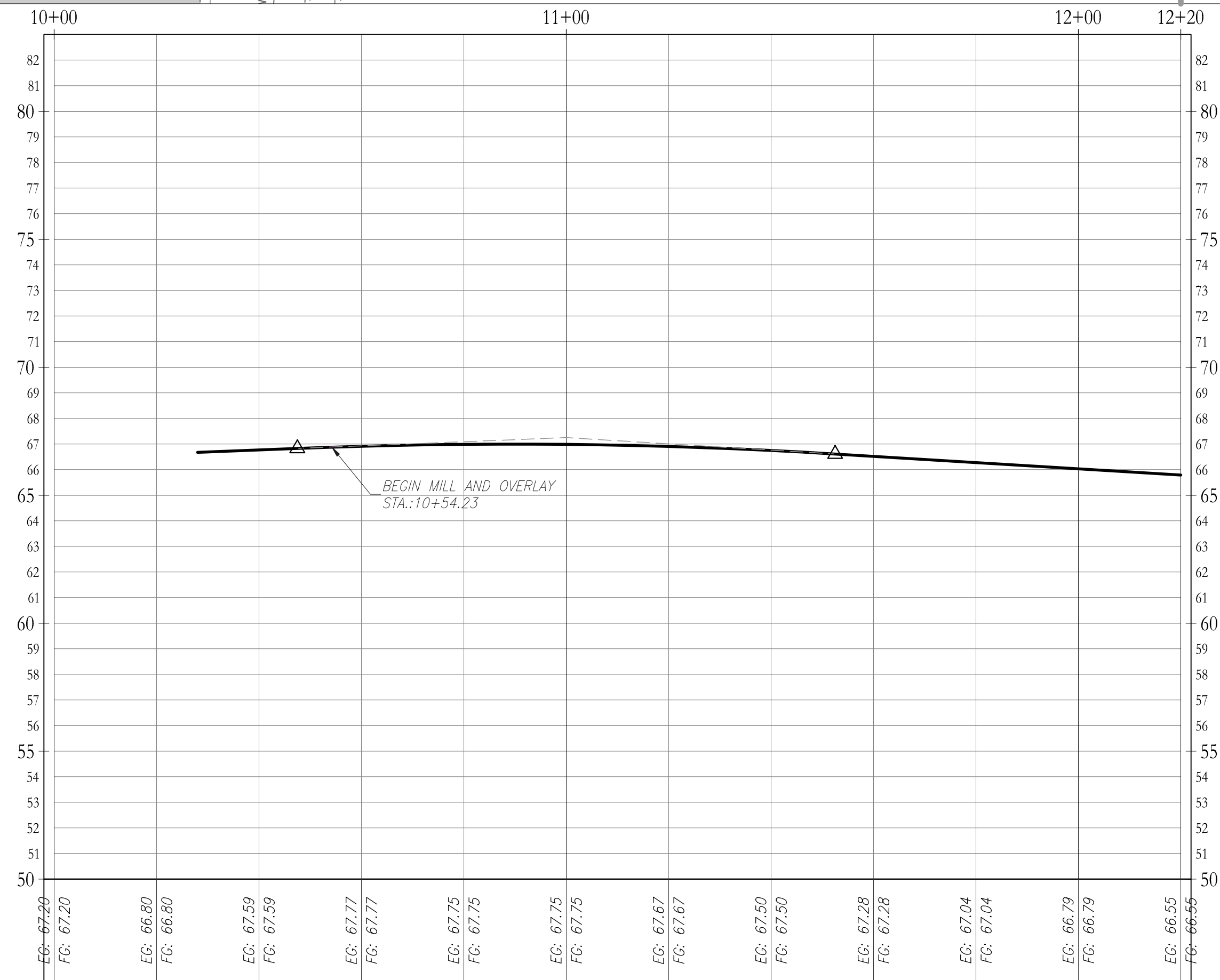
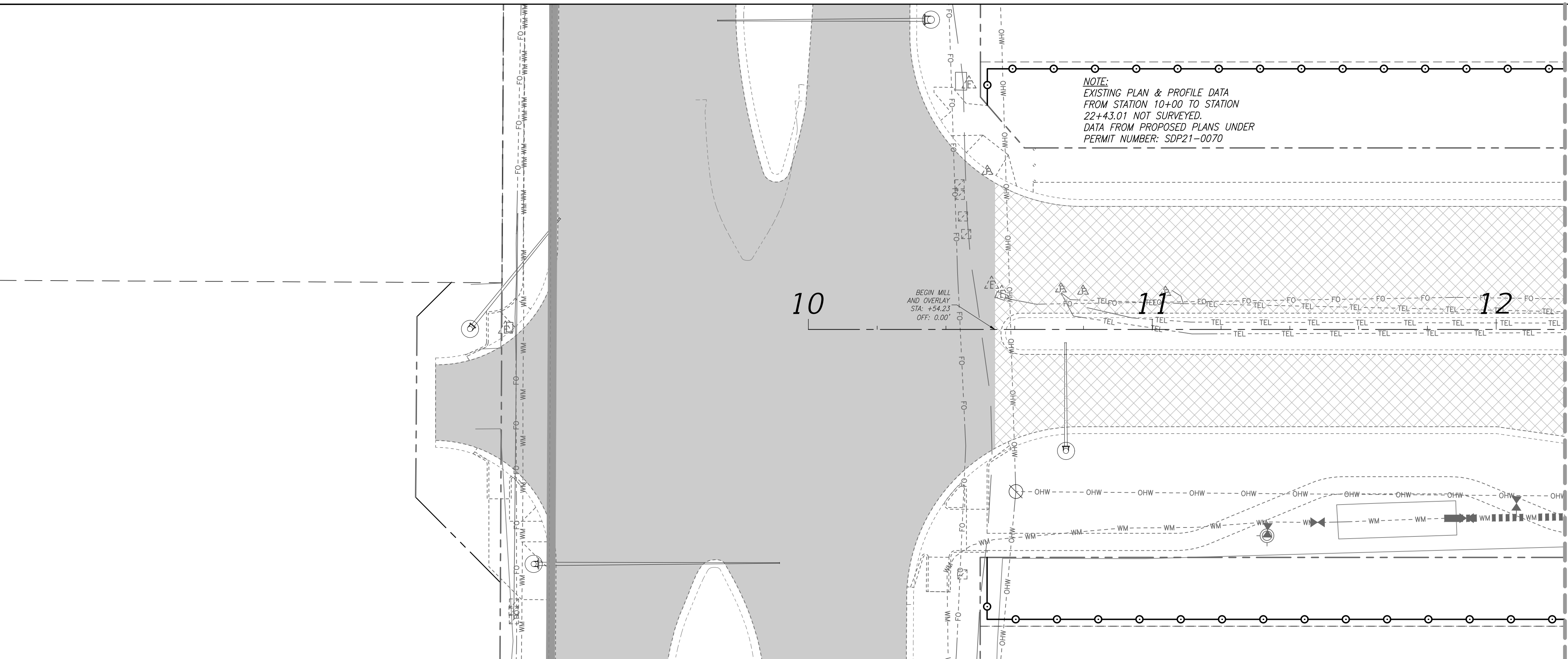
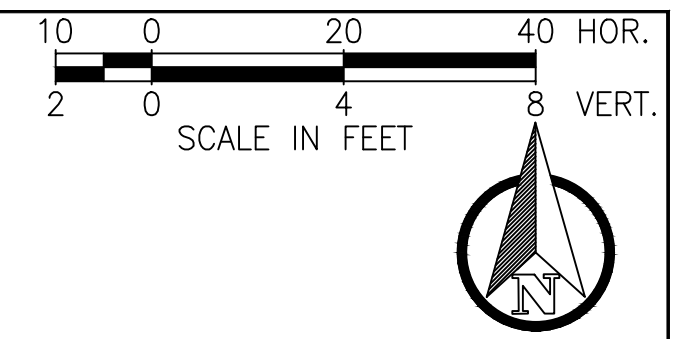
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CYRILS DRIVE / NARCOOSSEE ROAD TO
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PROJECT LAYOUT/KEY SHEET

SHEET NO.
19



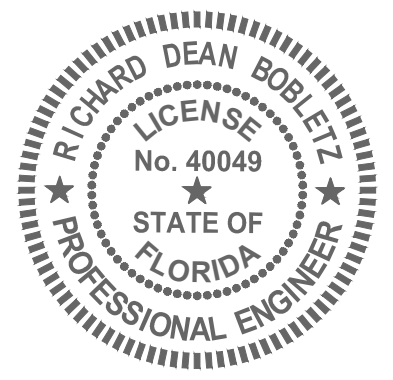
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 PLAN & PROFILES

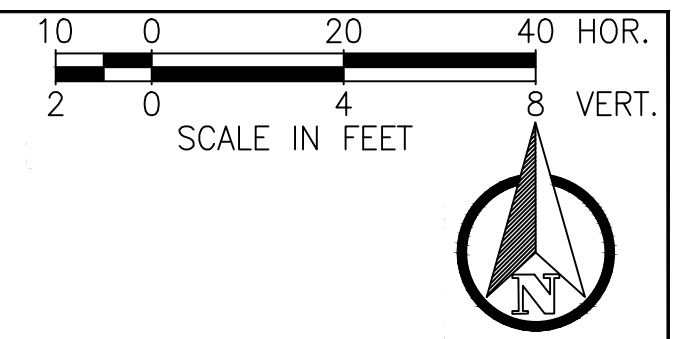


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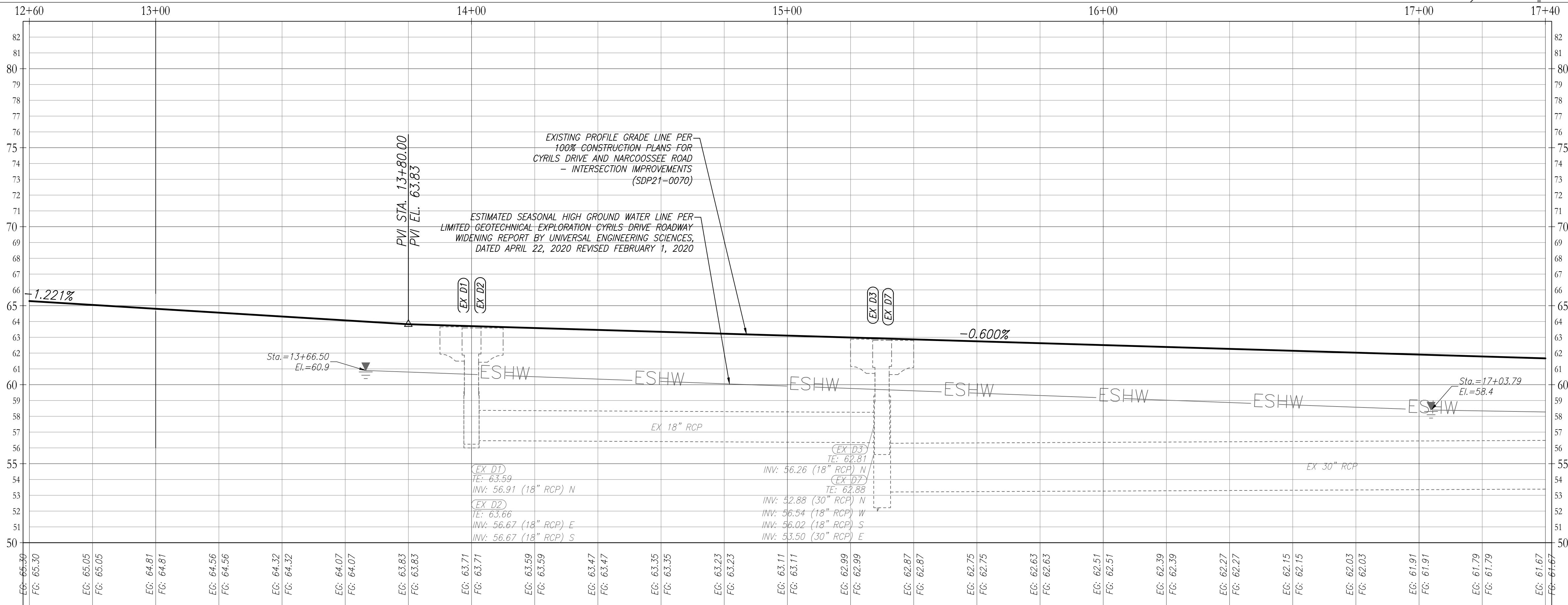
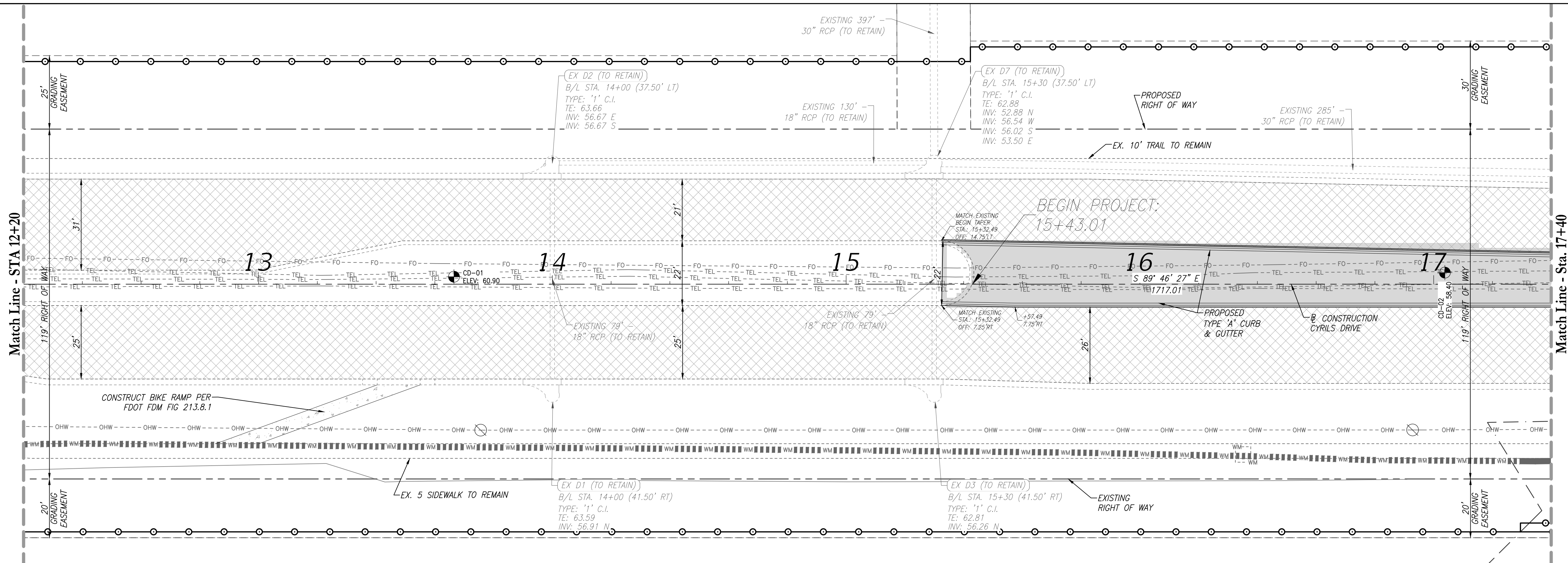
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Match Line - STA 12+20

Match Line - Sta. 17+40



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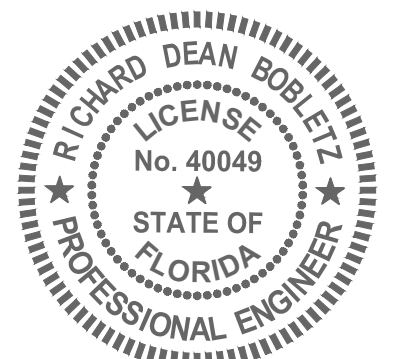
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 PLAN & PROFILES

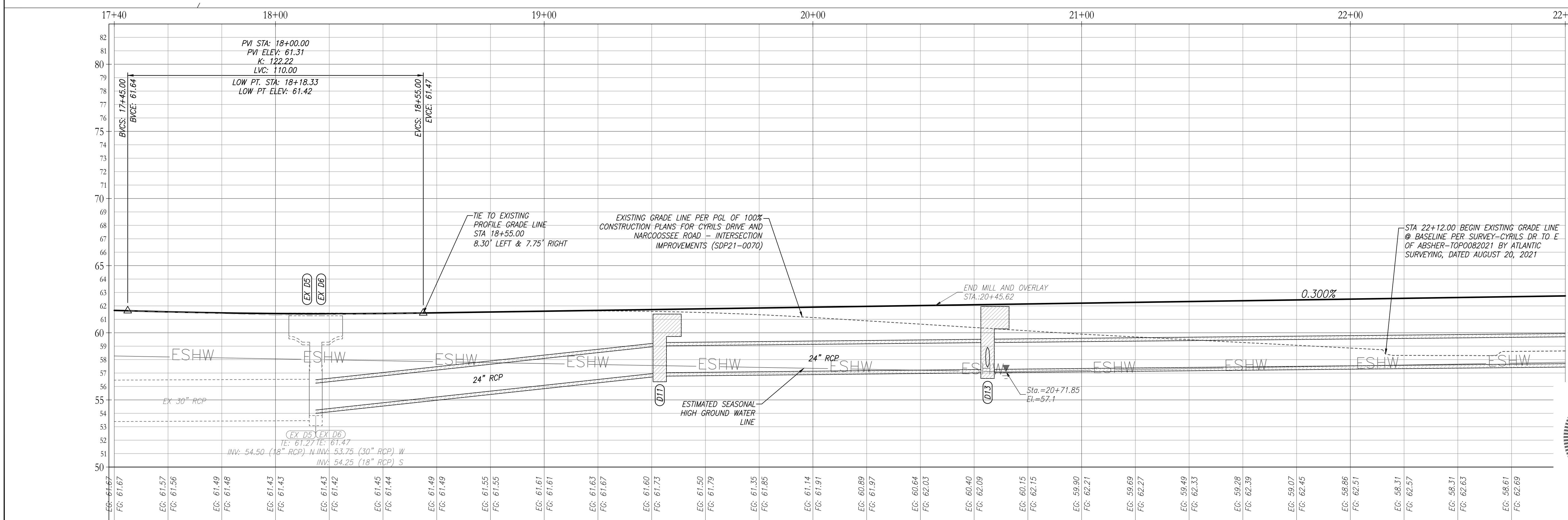
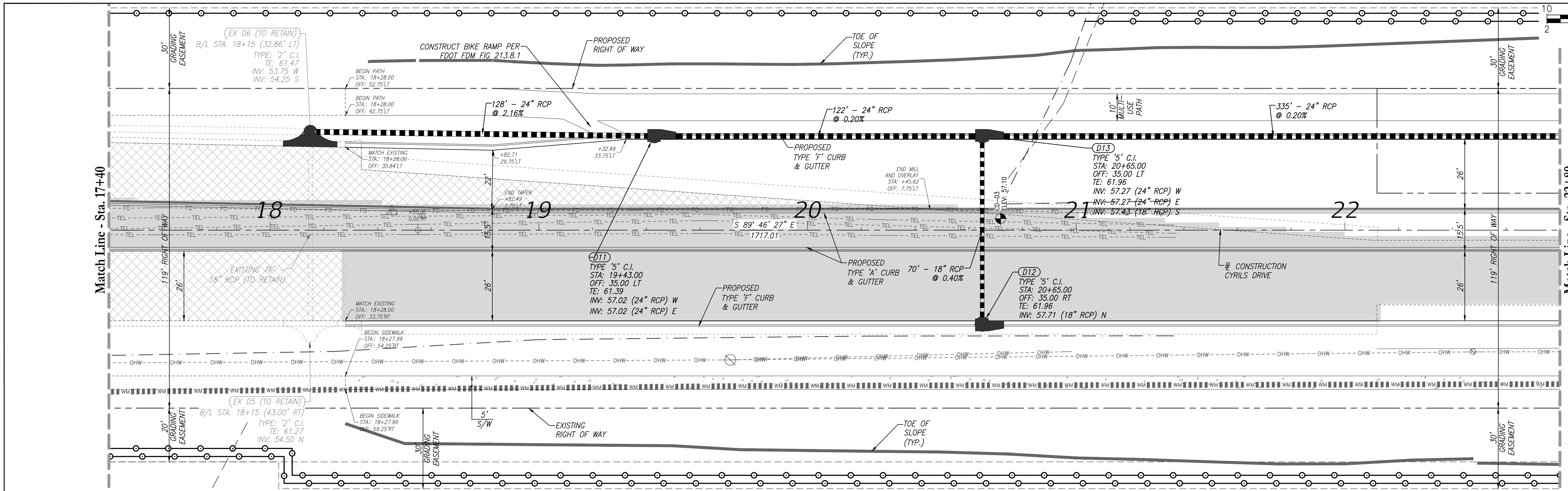
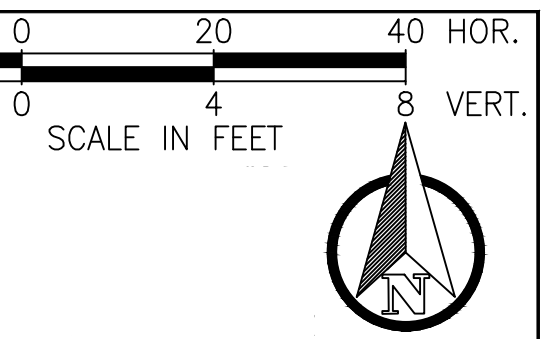
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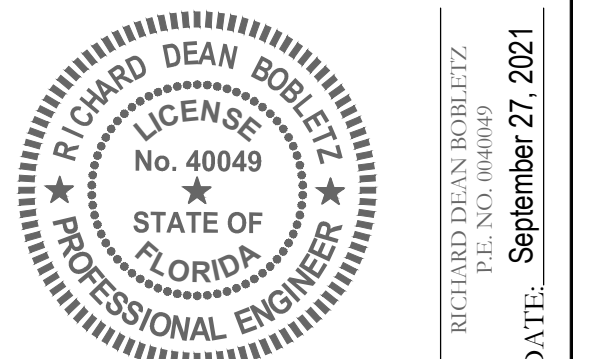
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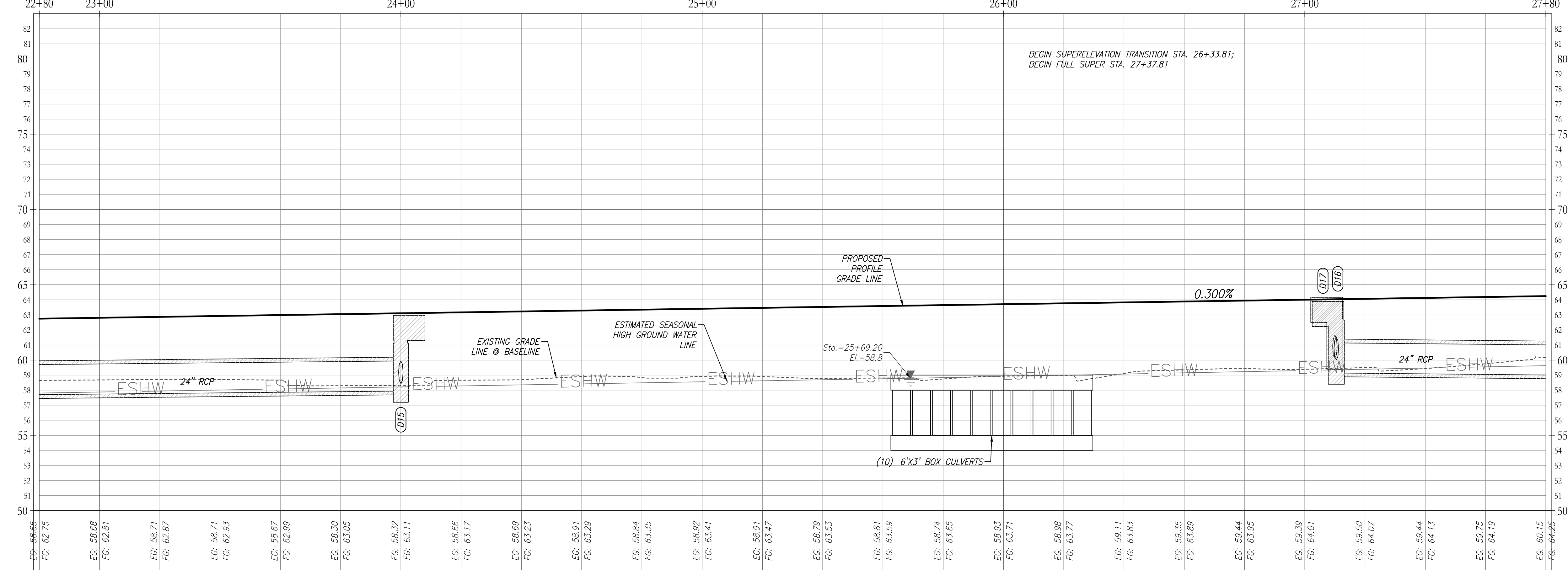
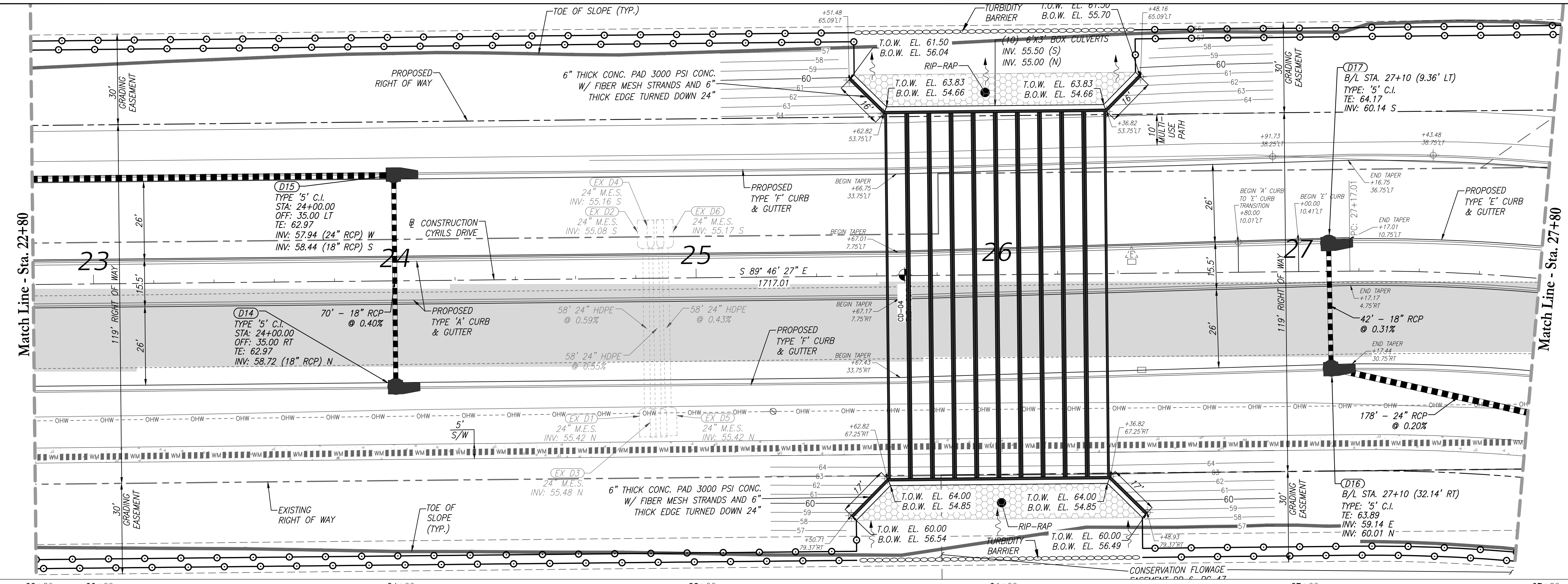
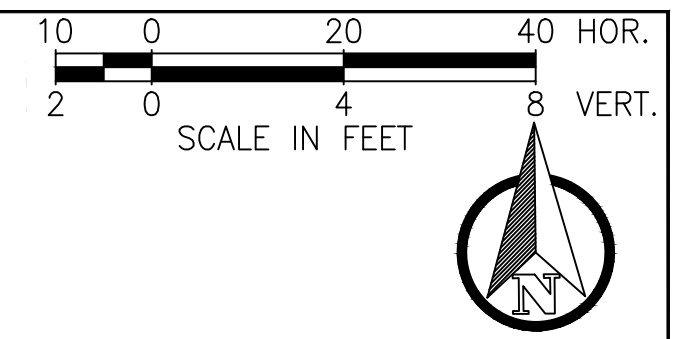
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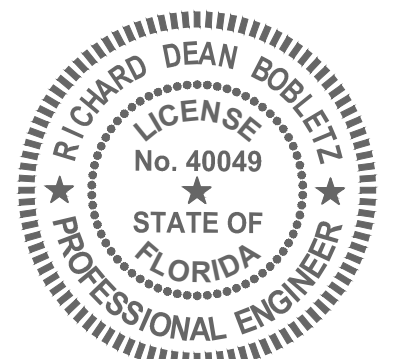
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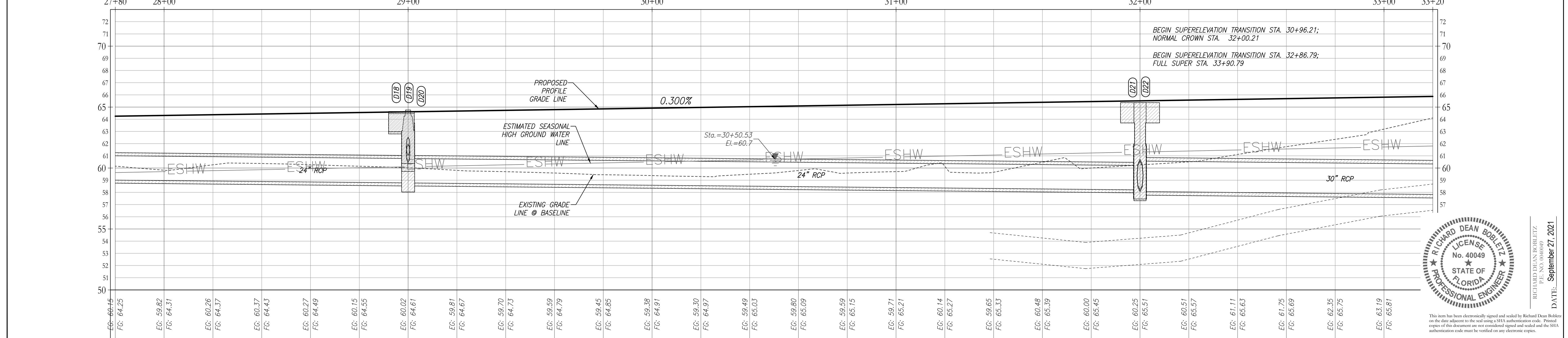
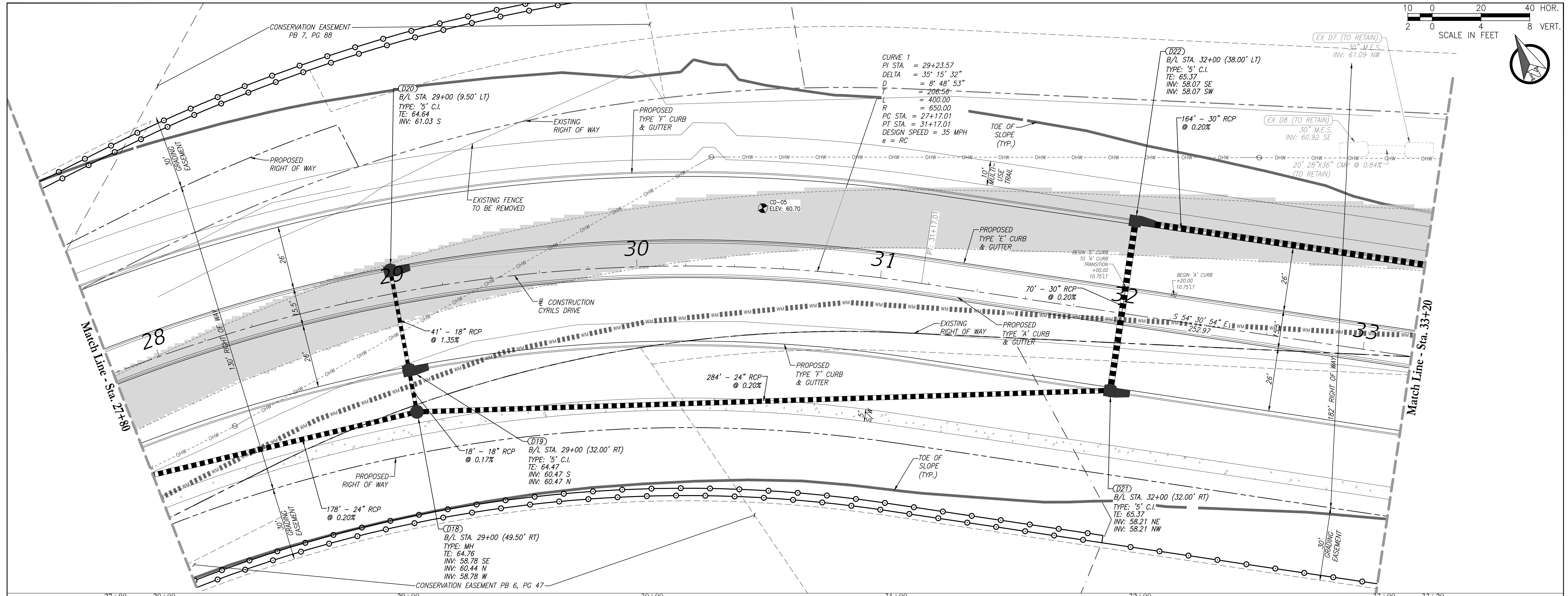
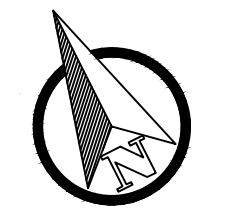
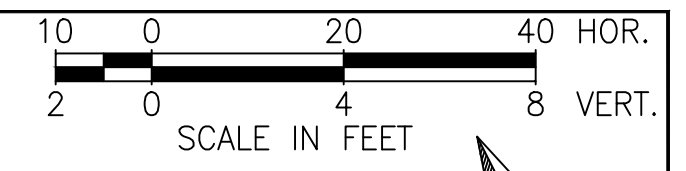
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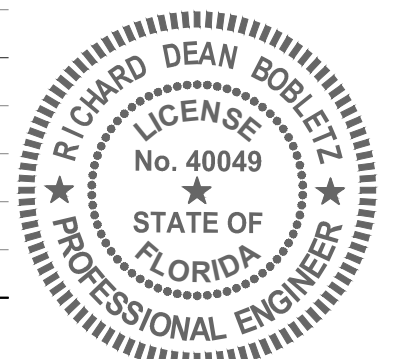
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CYRILS DRIVE / NARCOOSSEE ROAD TO
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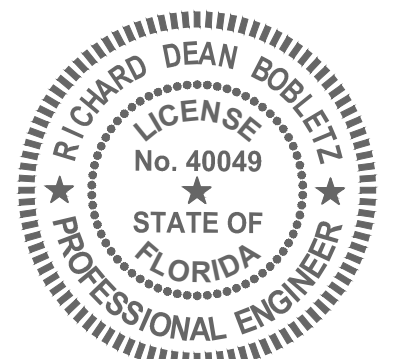
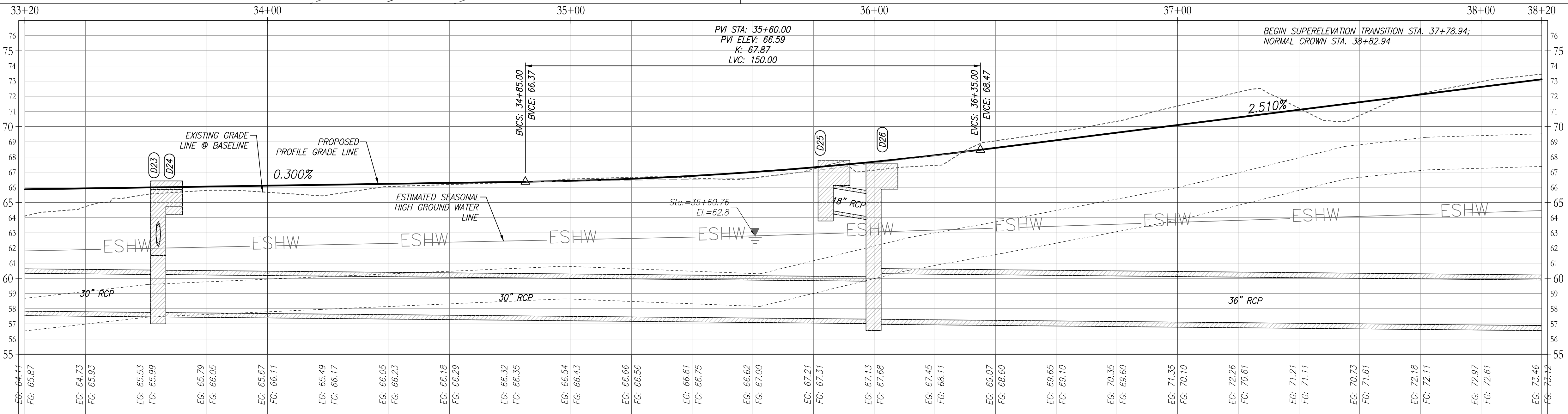
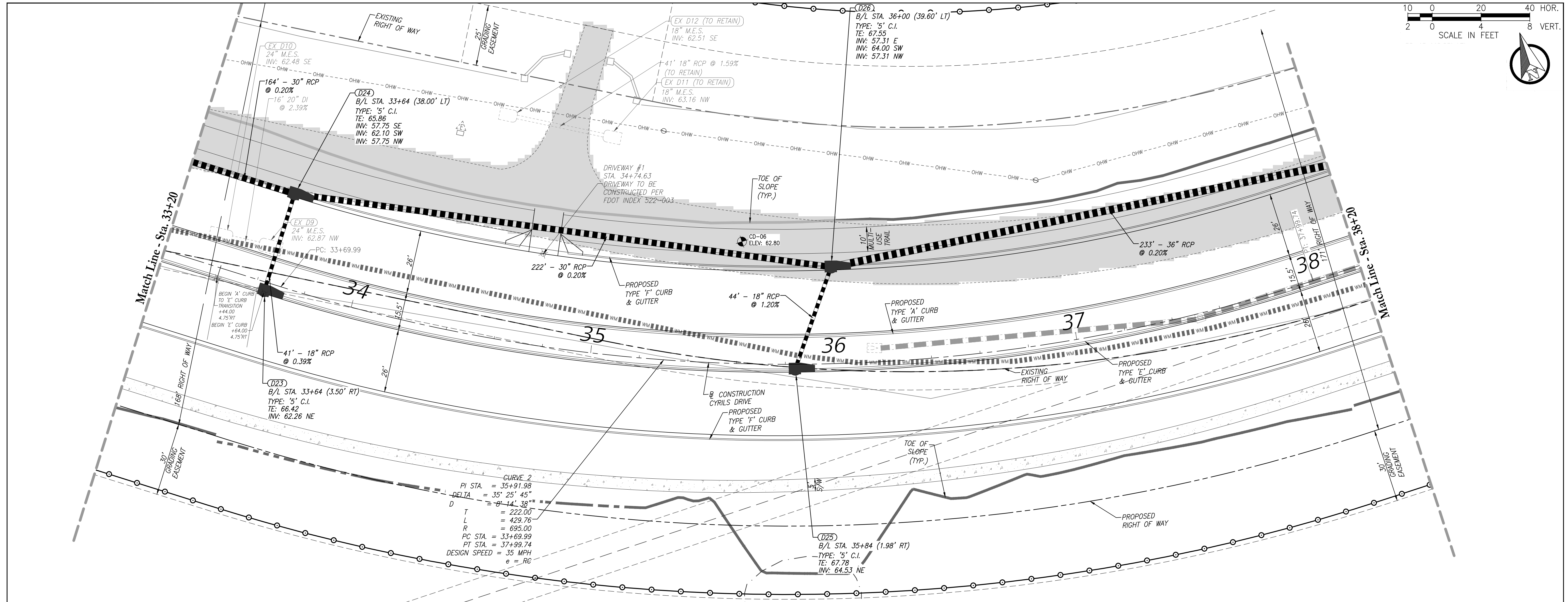
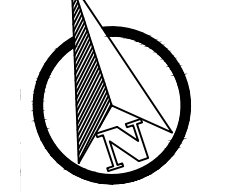
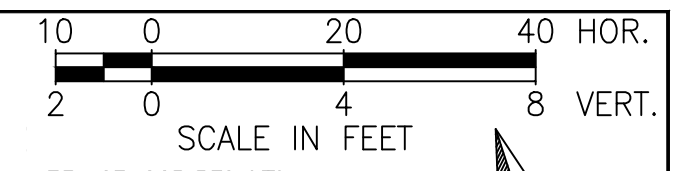
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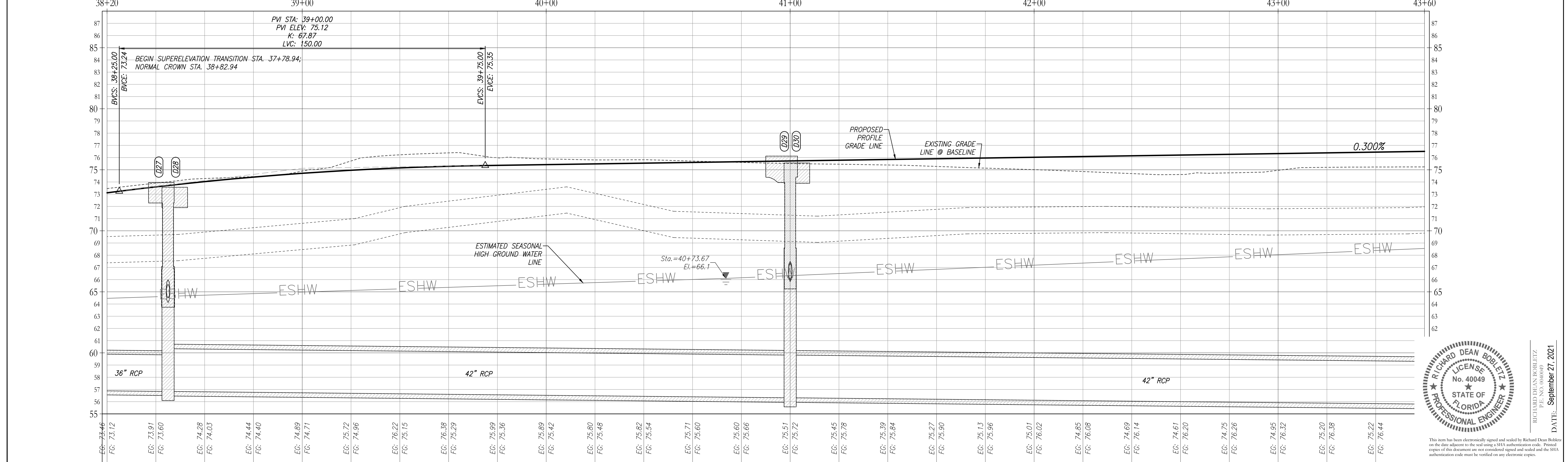
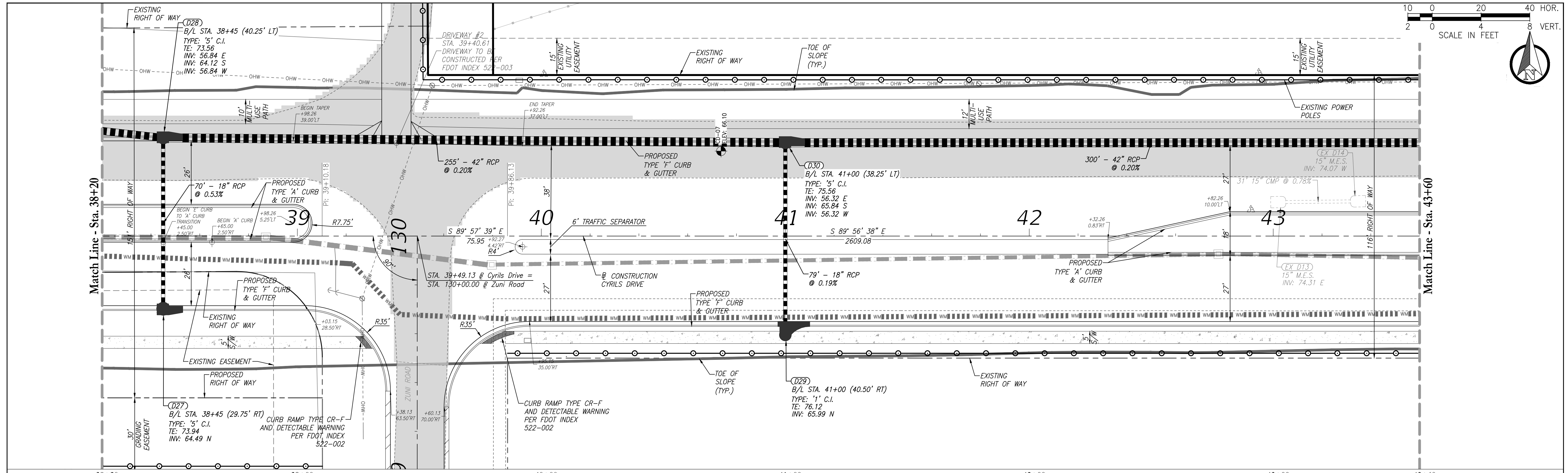
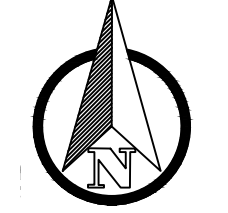
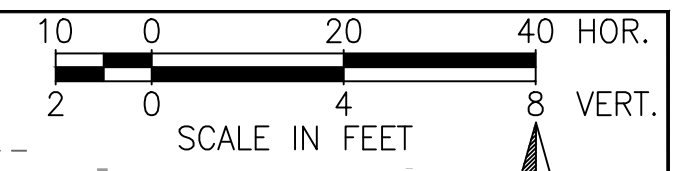
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 PLAN & PROFILES

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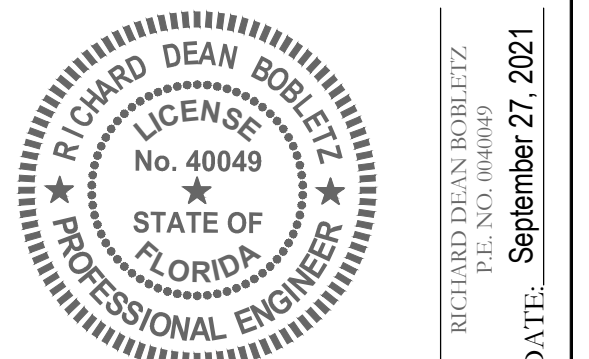
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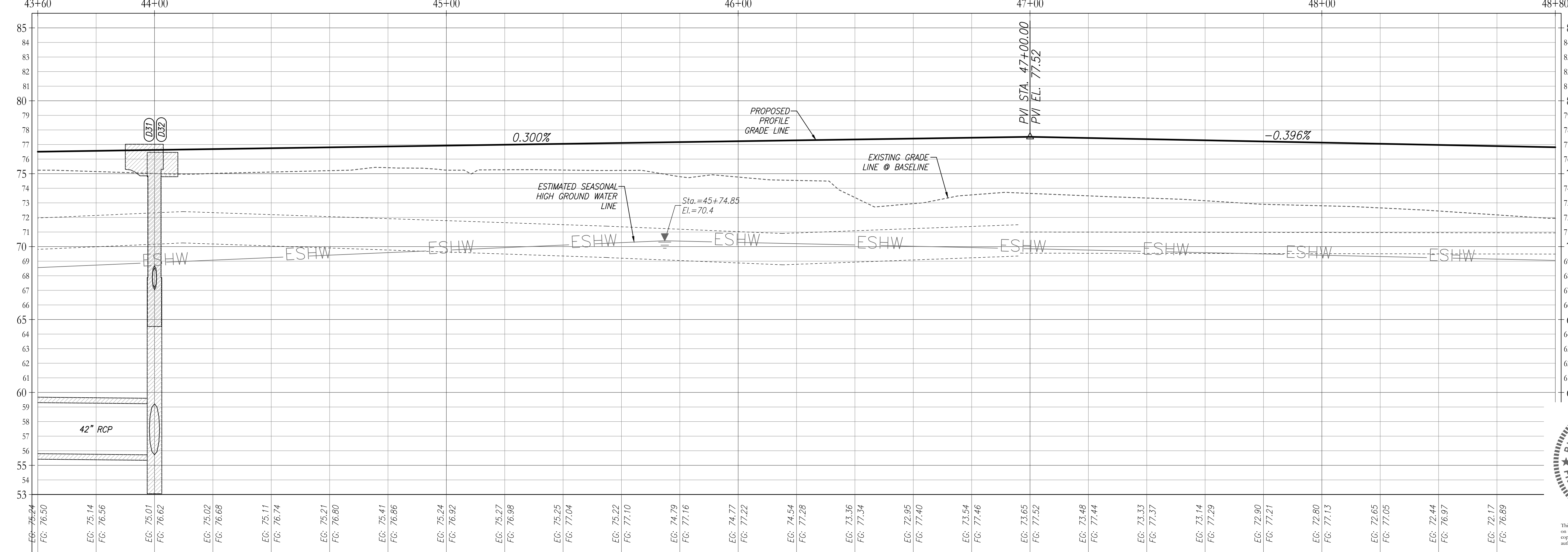
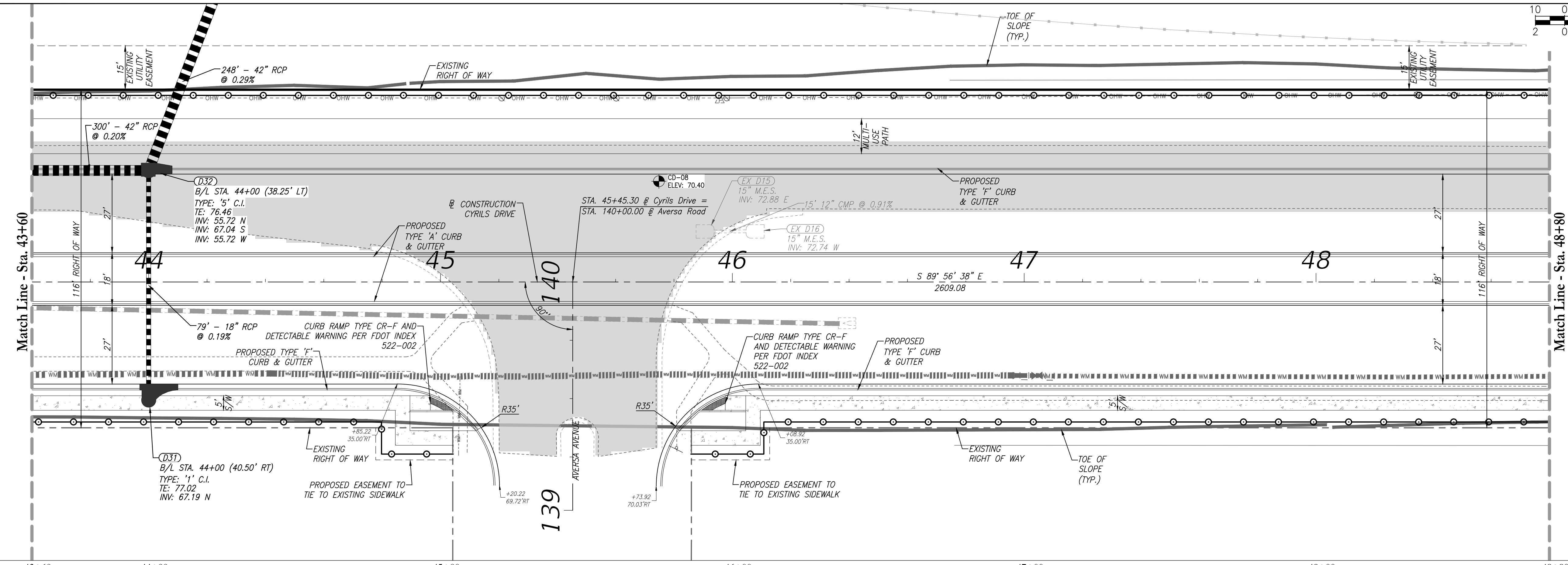
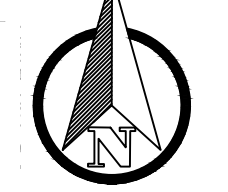
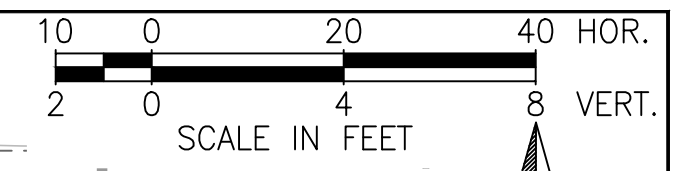
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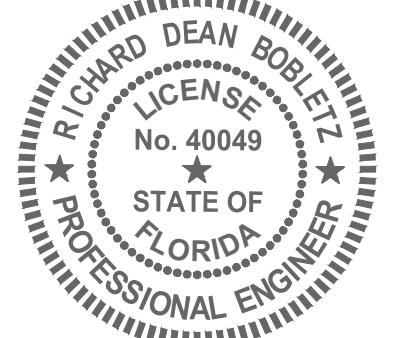
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 PROJECT NO. (XXXX)

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PLAN & PROFILES

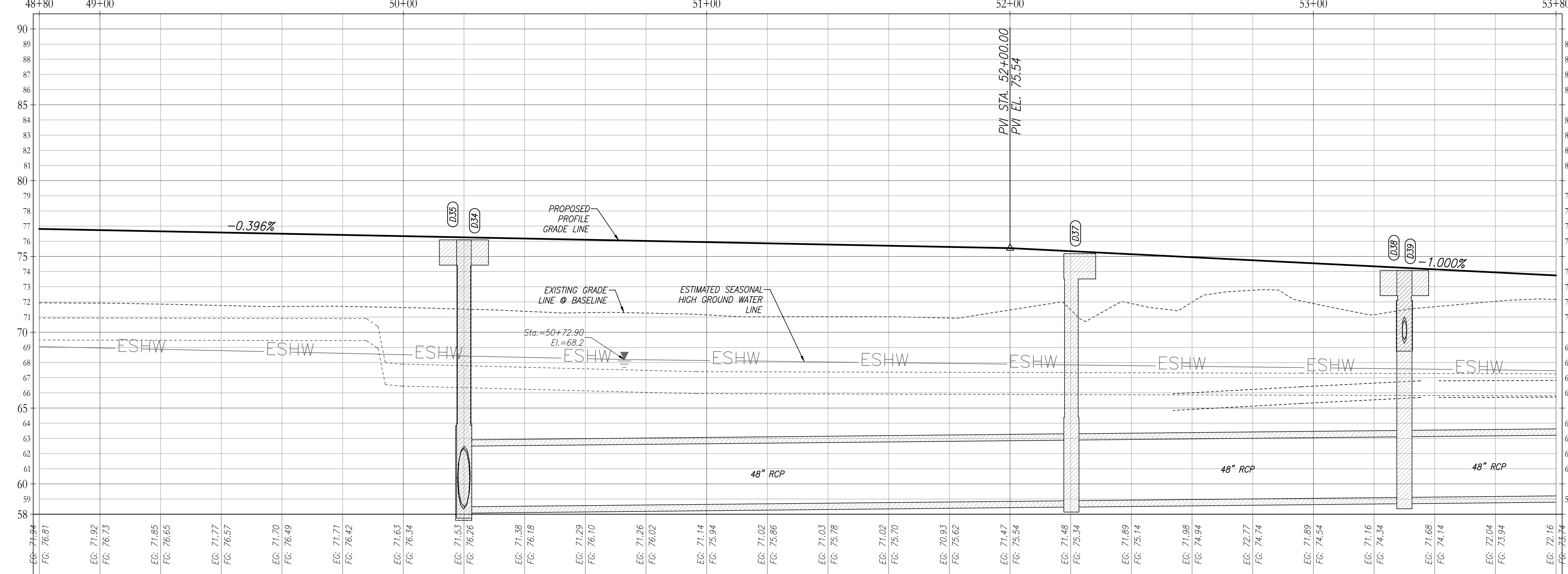
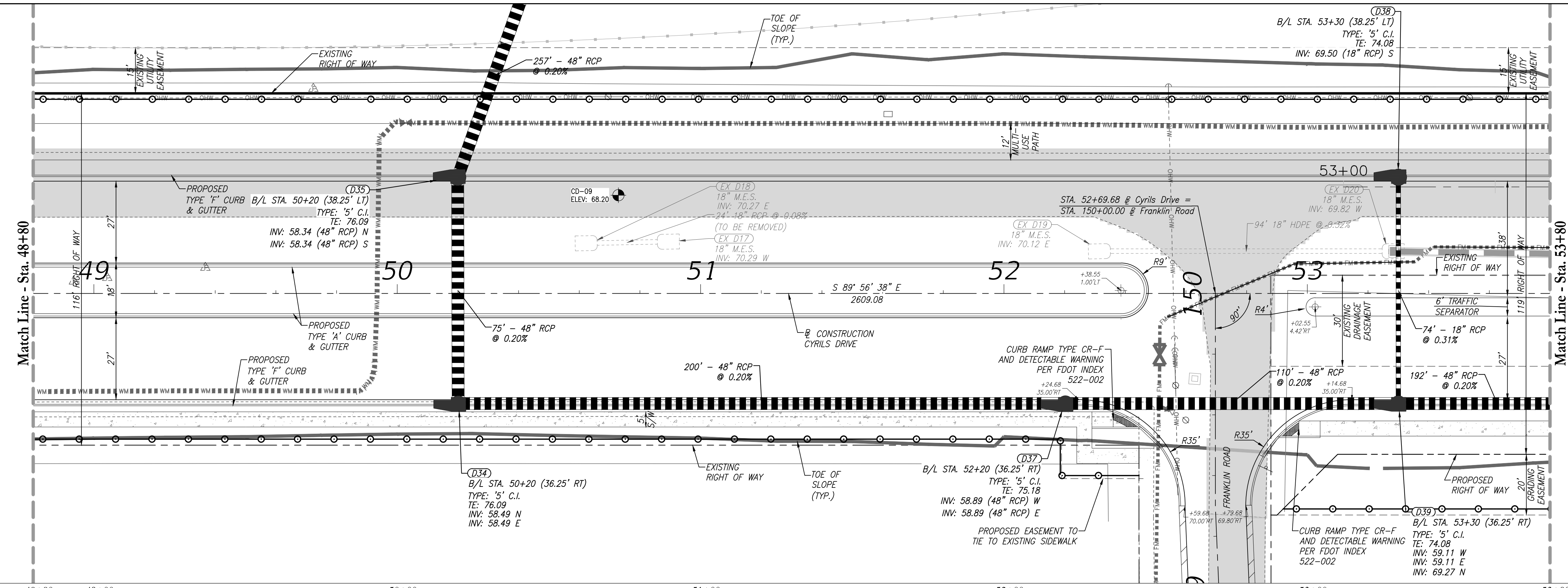
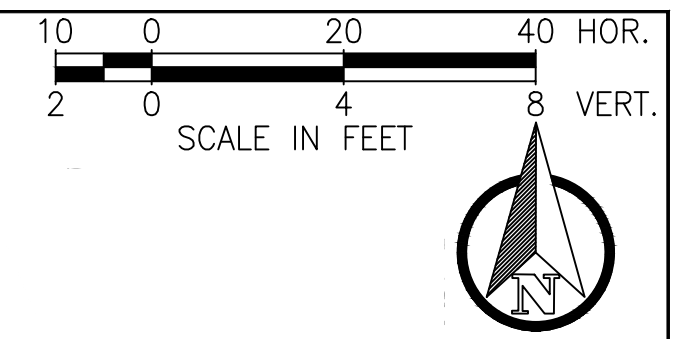
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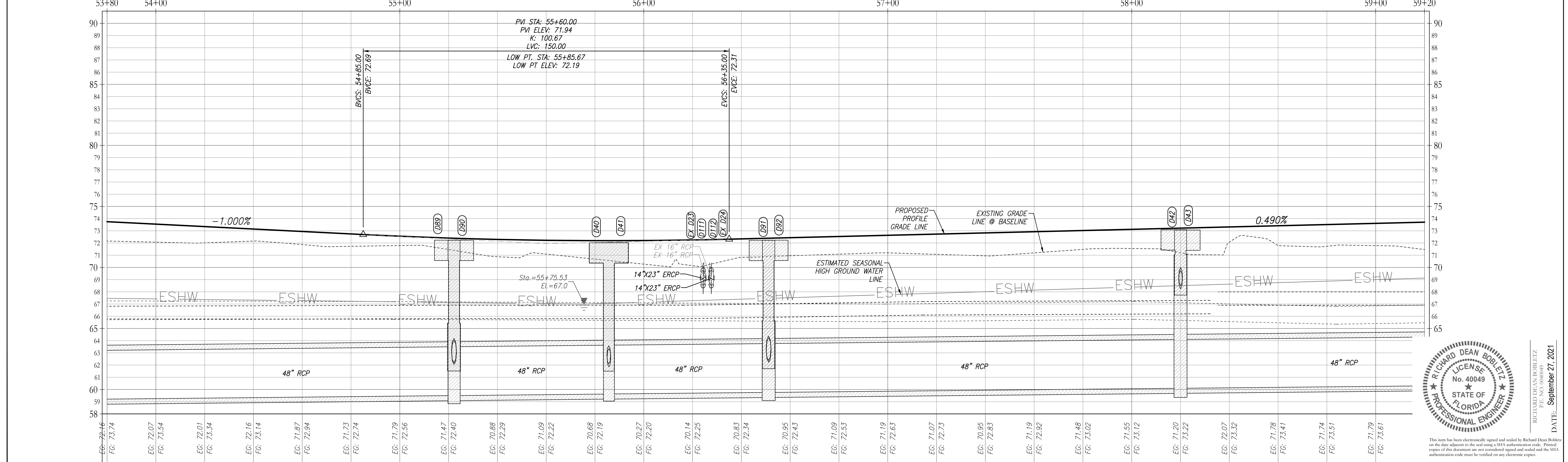
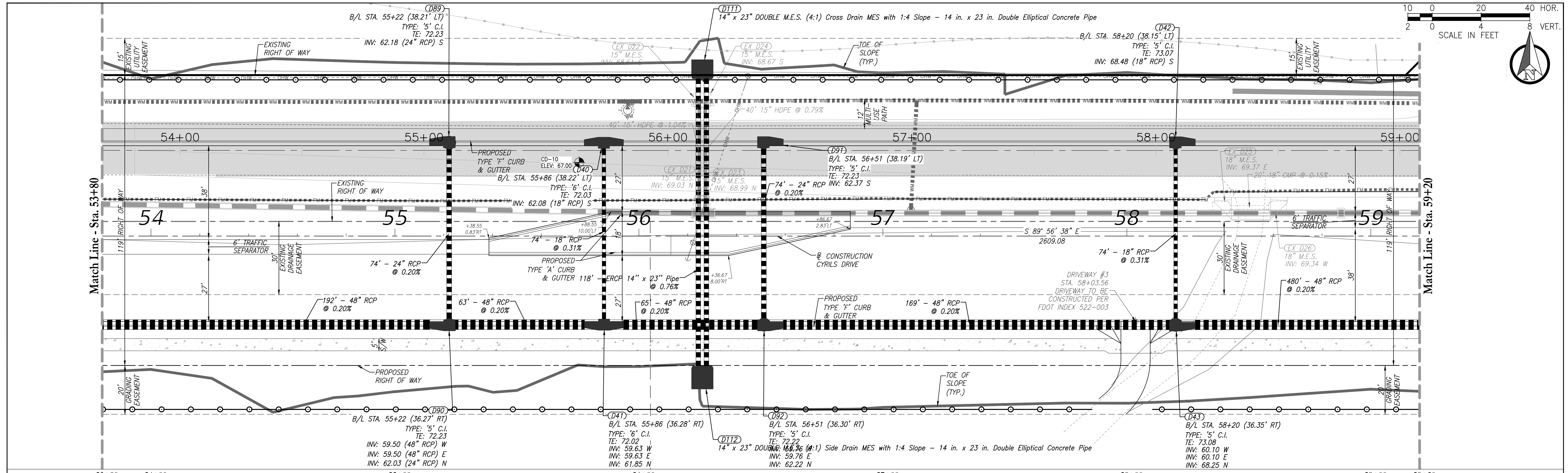
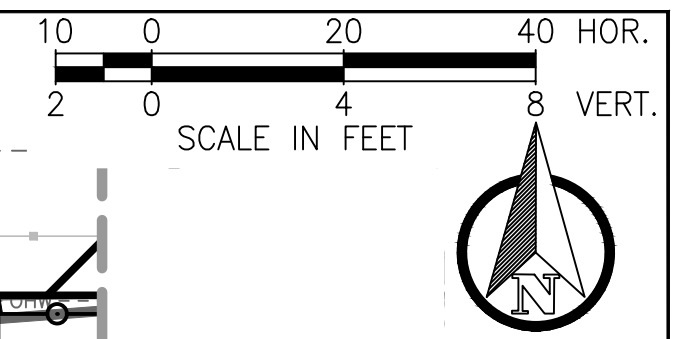
**CYRILS DRIVE / NARCOOSSEE ROAD TO
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PLAN & PROFILES

SHEET NO.	28
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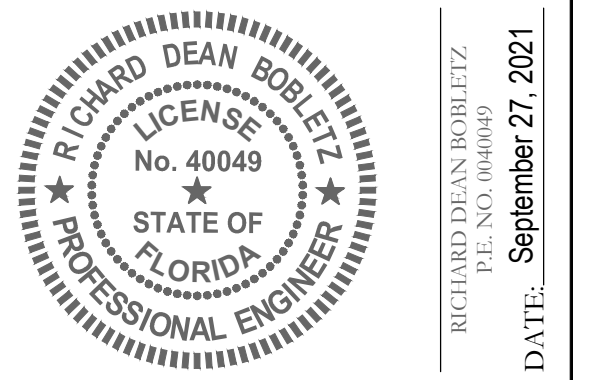
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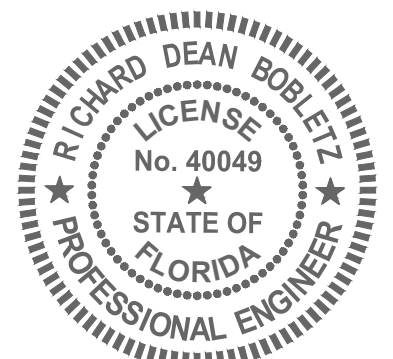
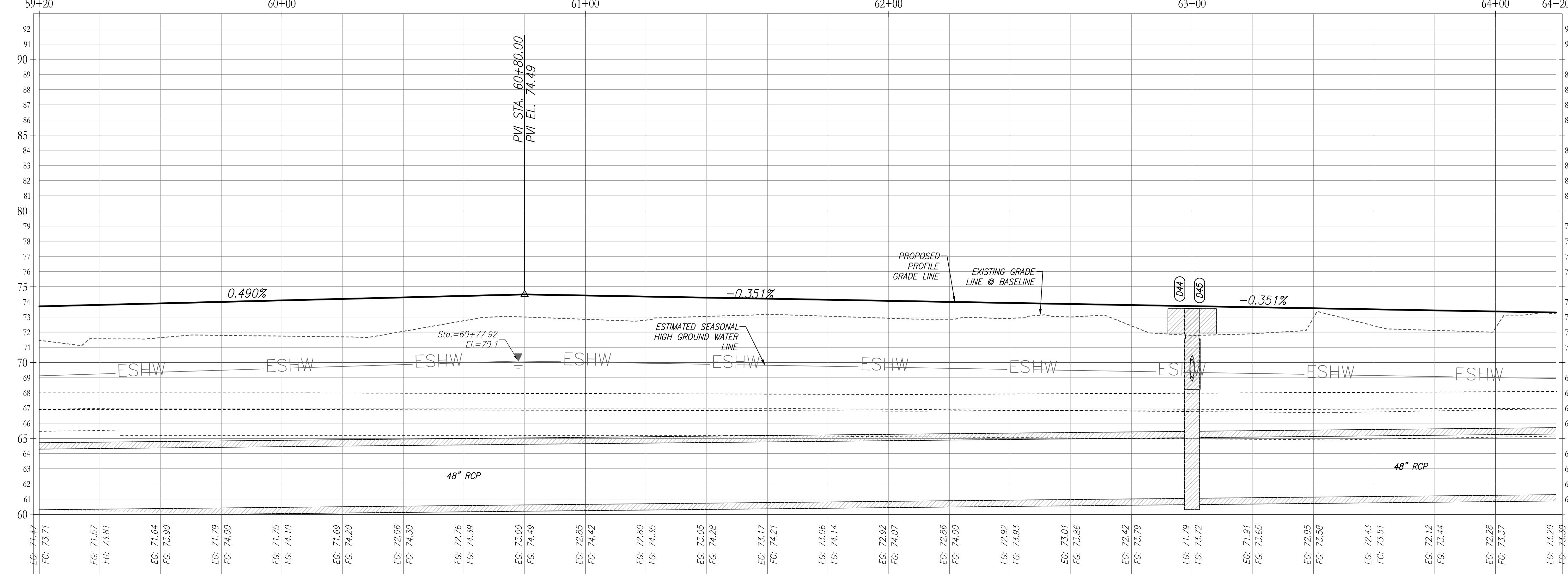
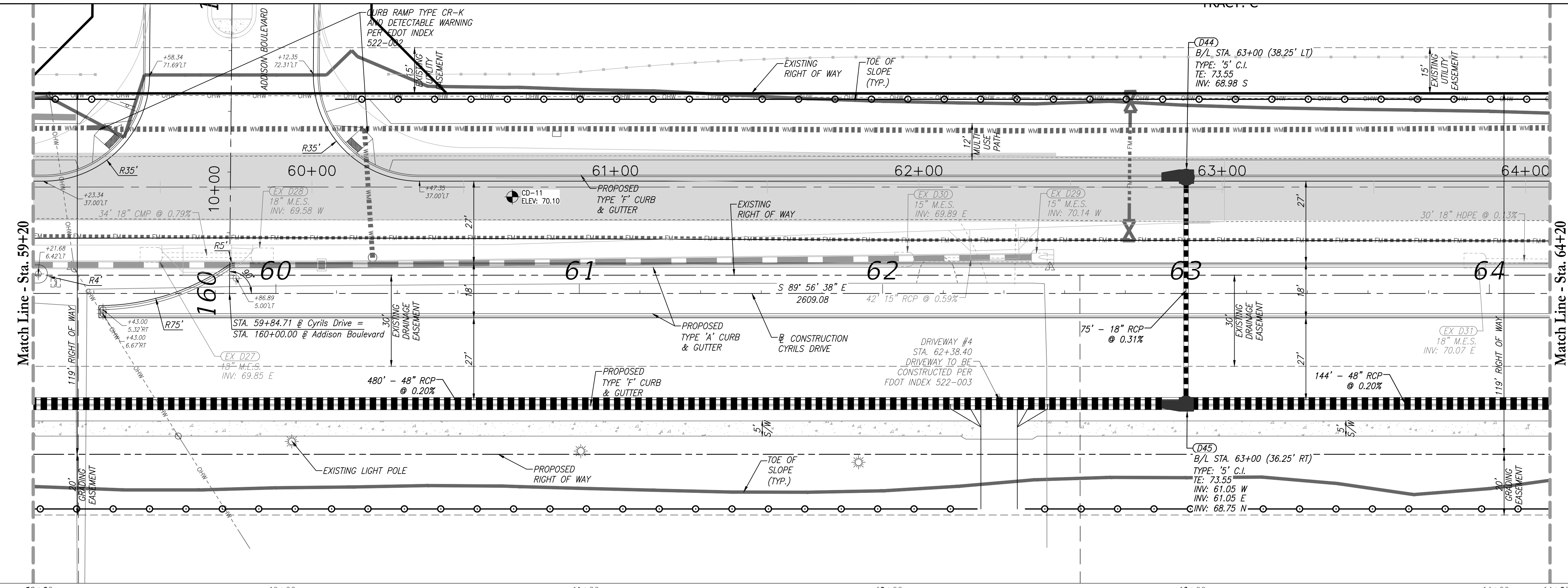
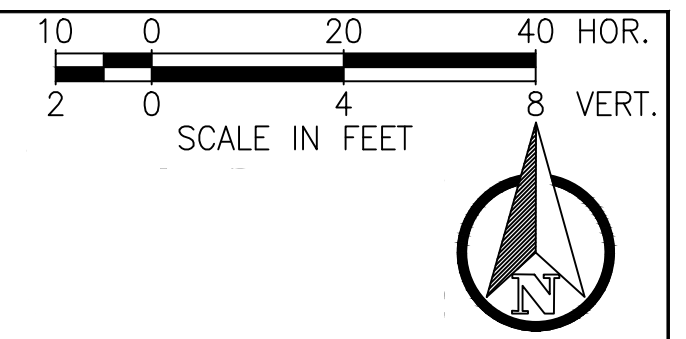
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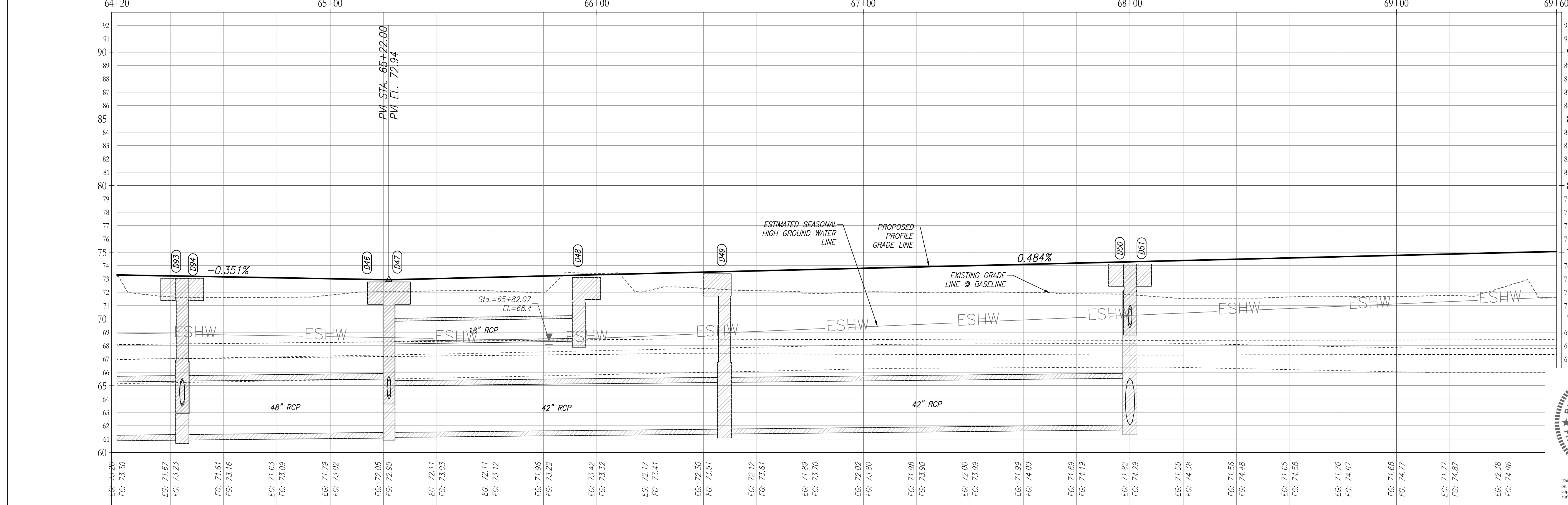
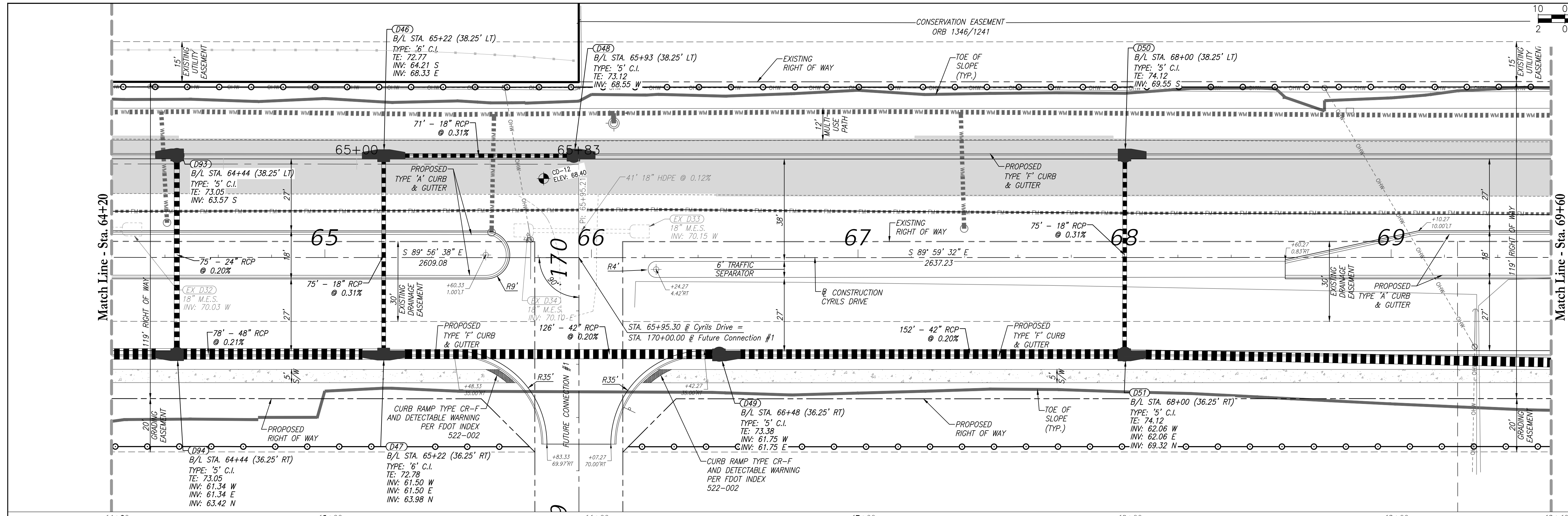
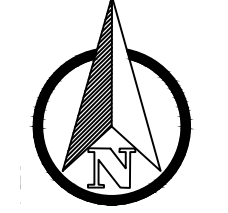
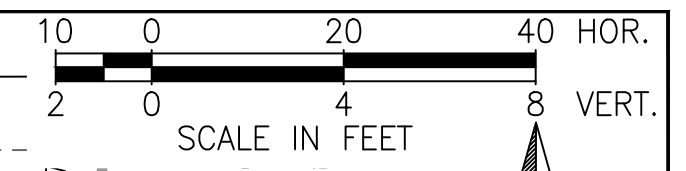
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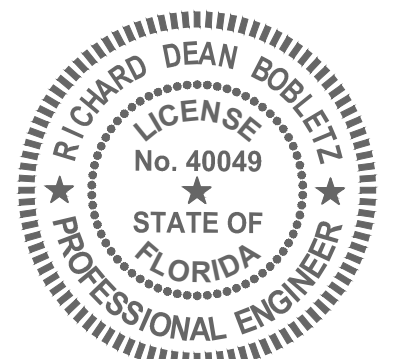
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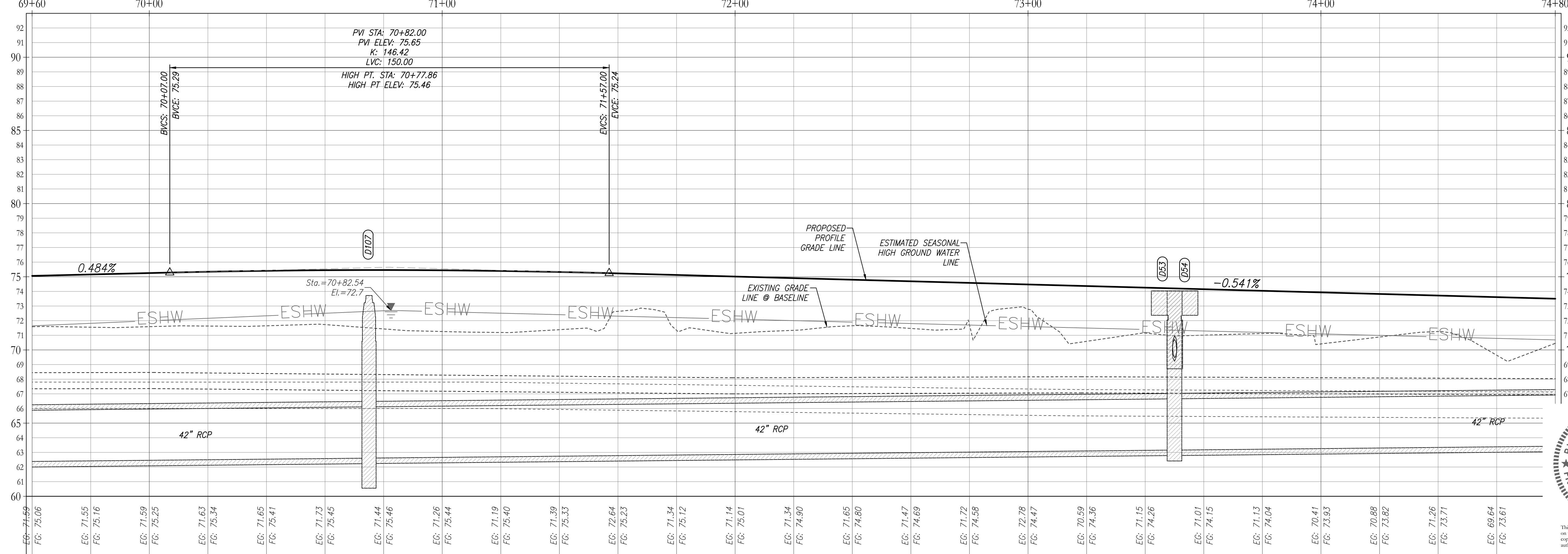
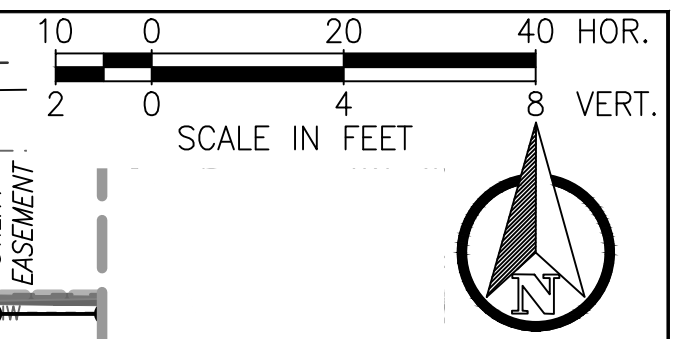
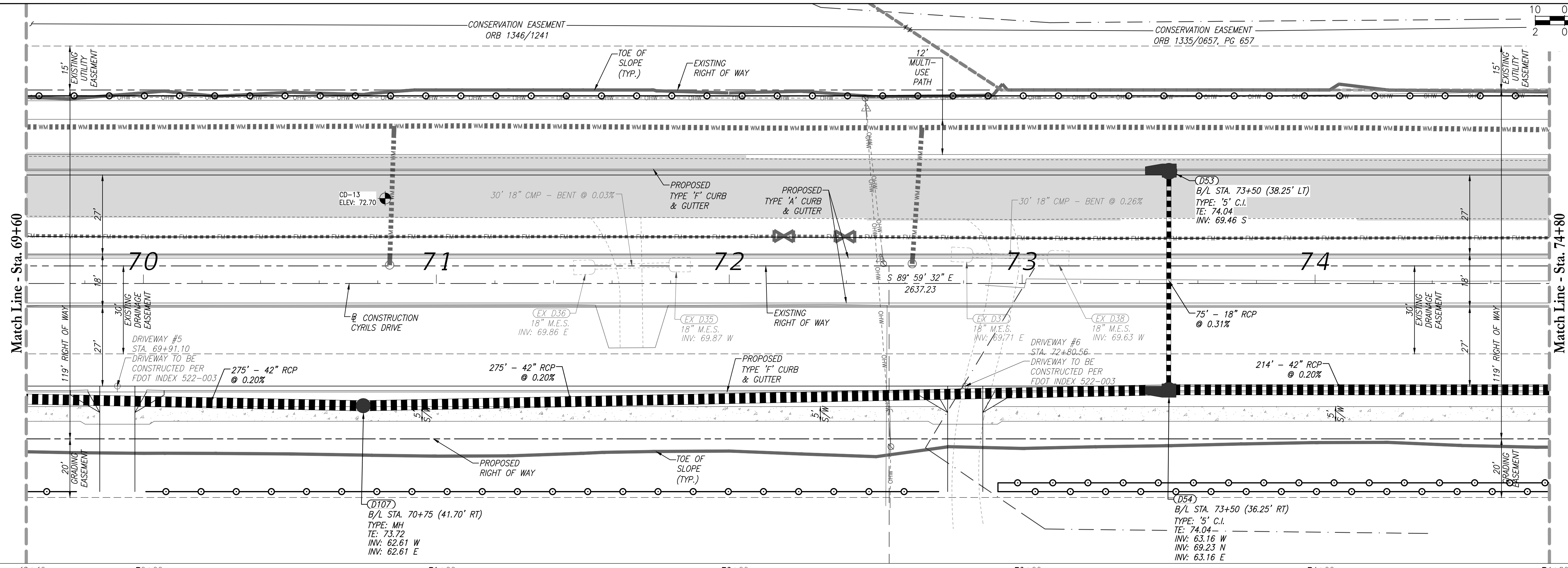


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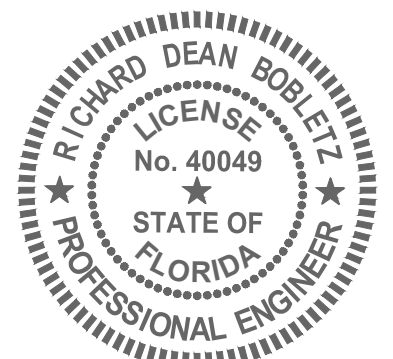
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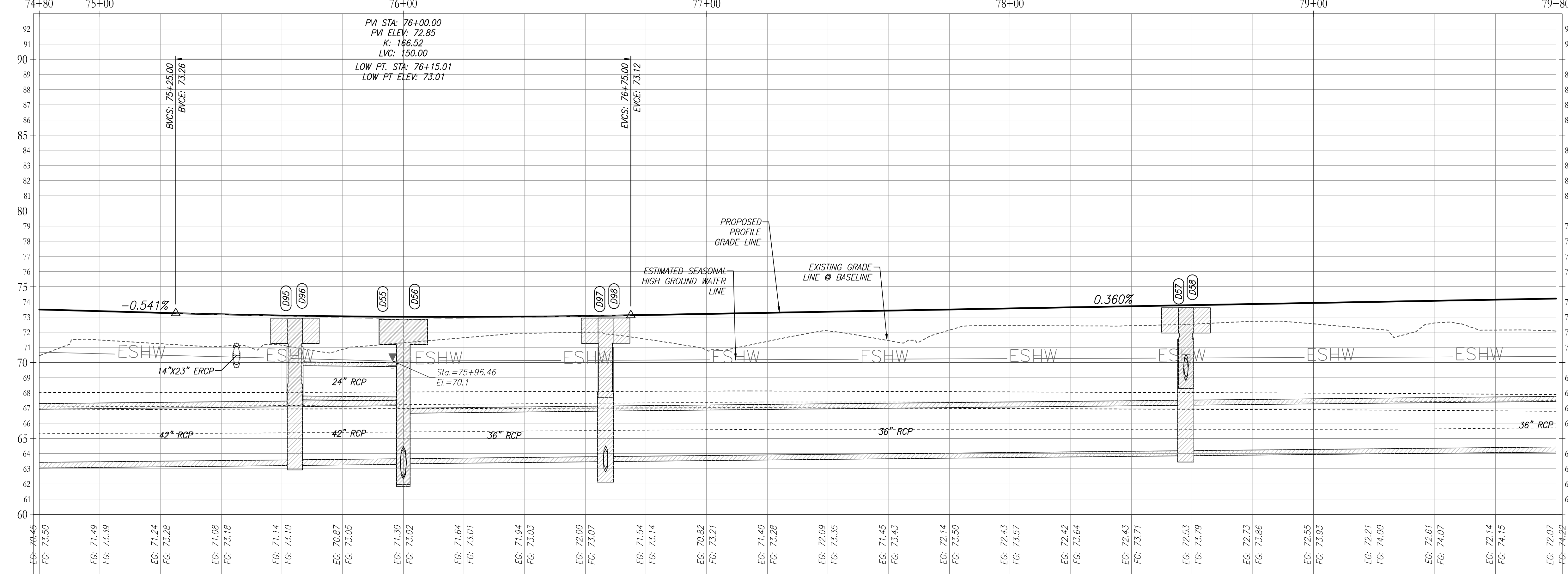
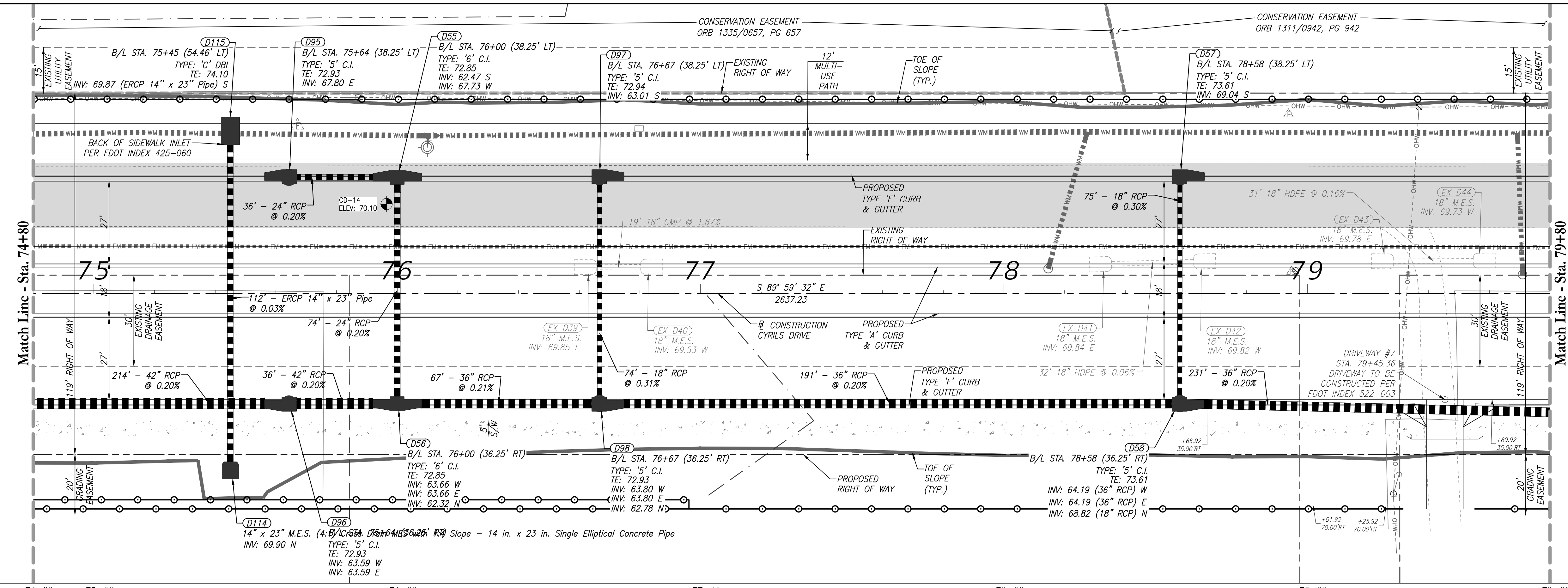
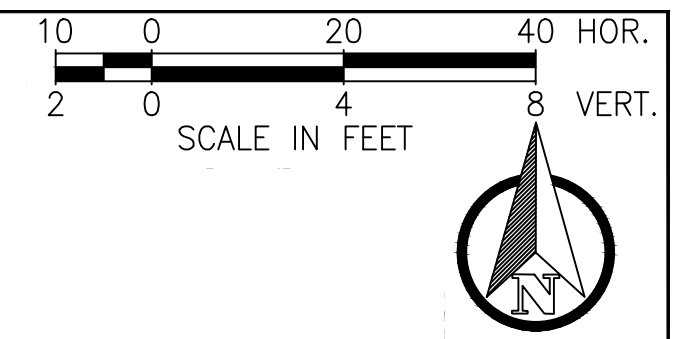
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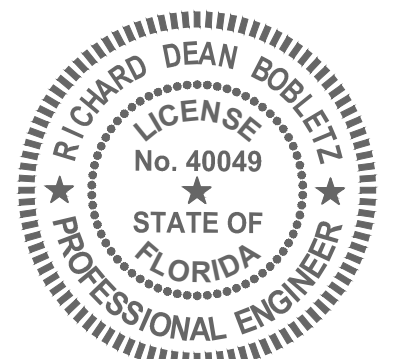
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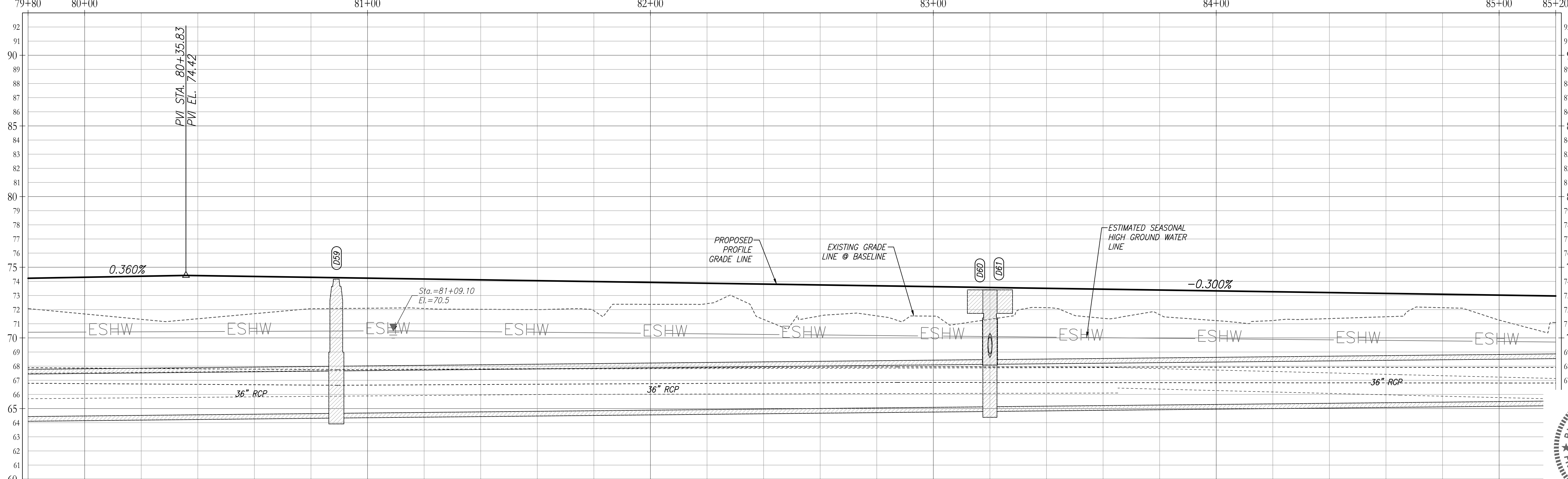
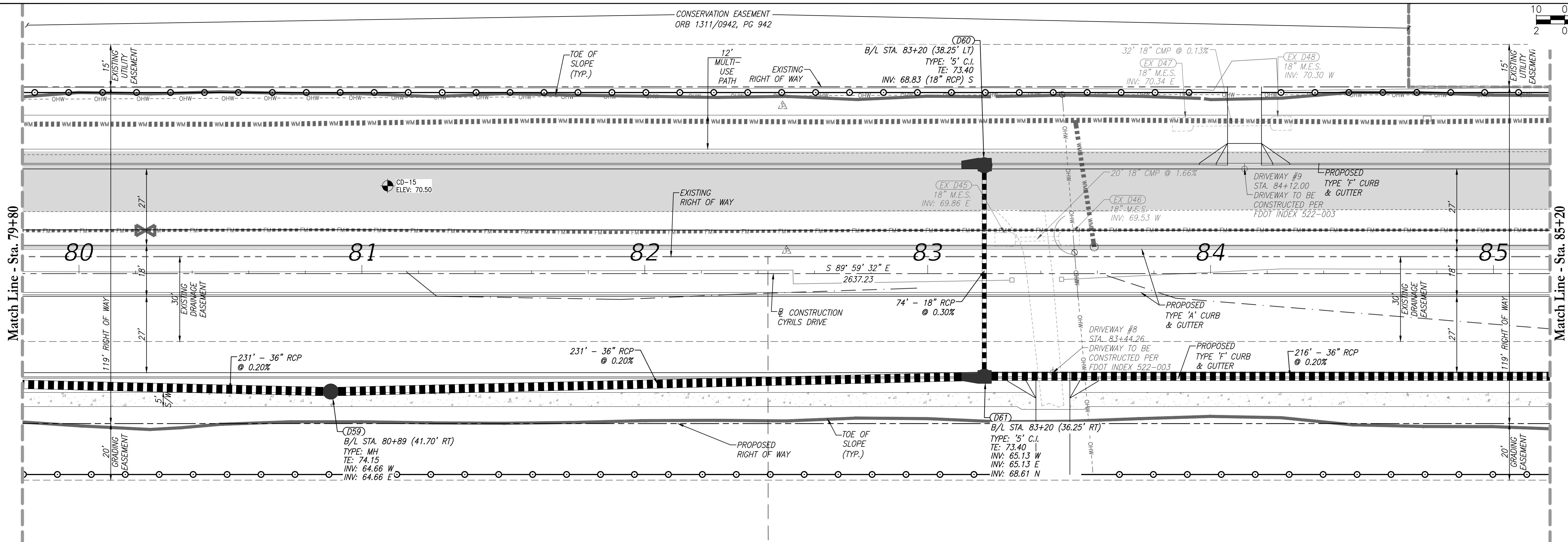
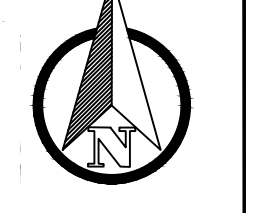
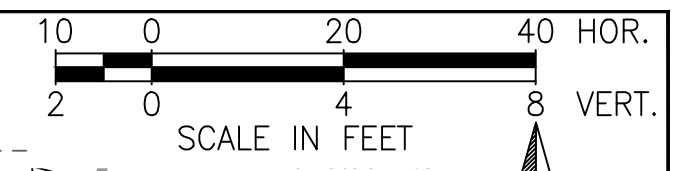
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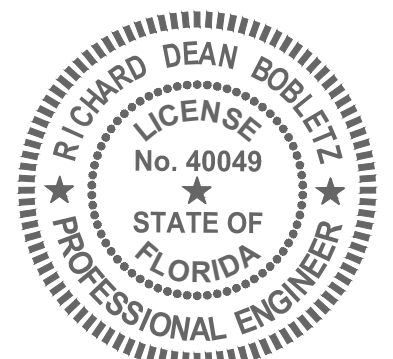
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STATE OF FLORIDA
No. 40049
September 27, 2021
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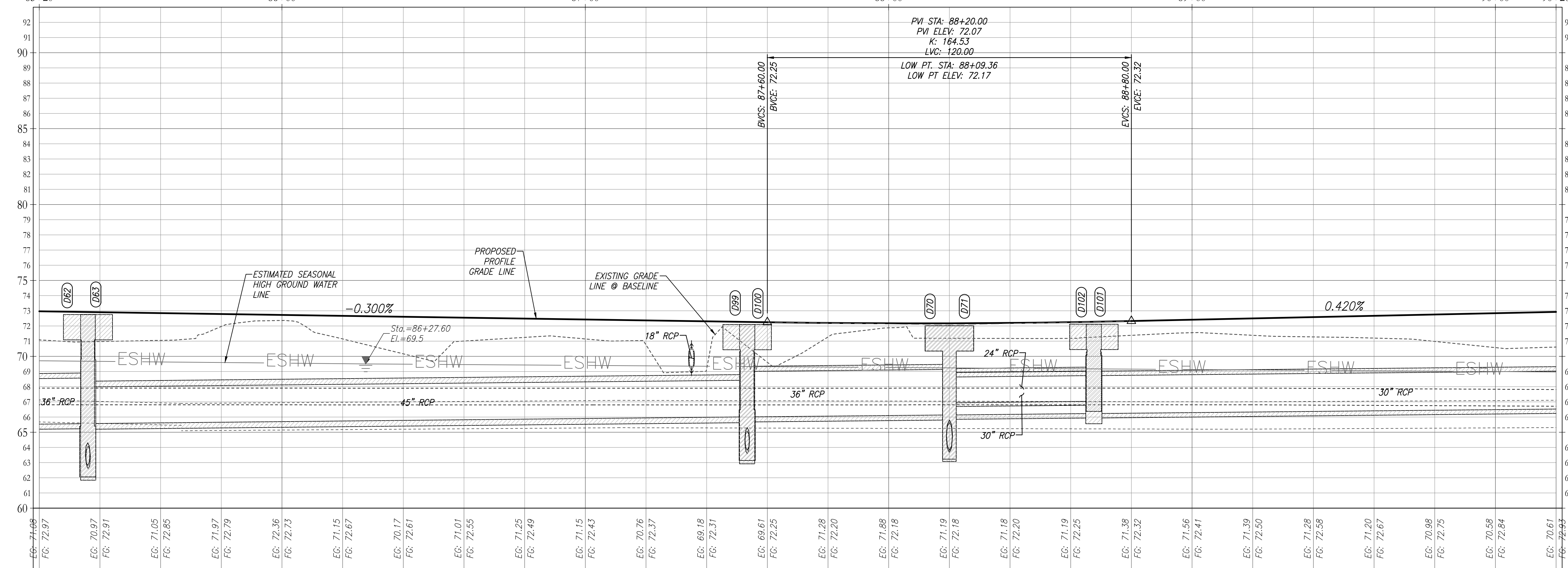
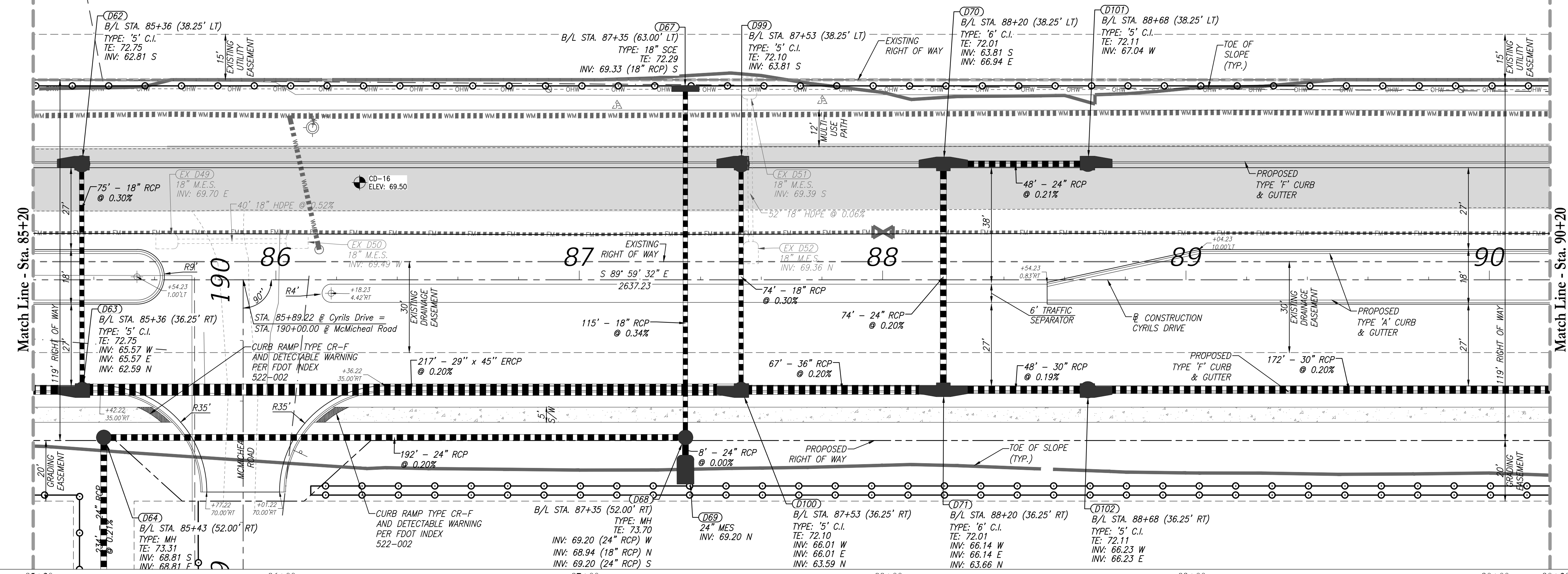
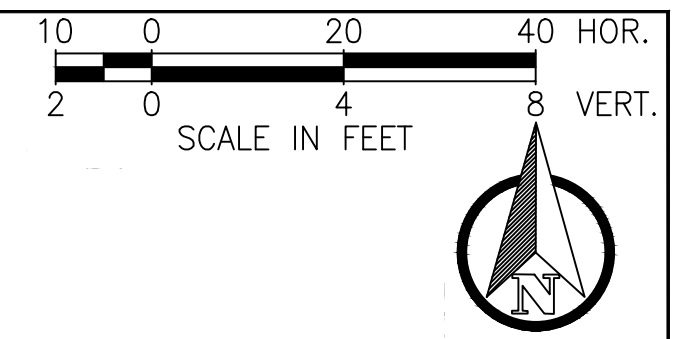
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PLAN & PROFILES

SHEET NO.	34
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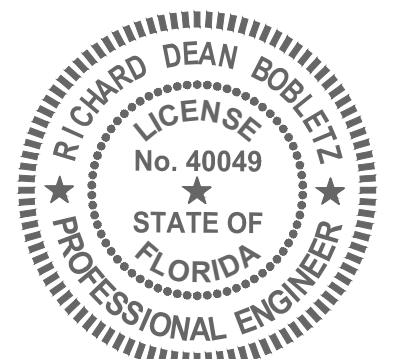
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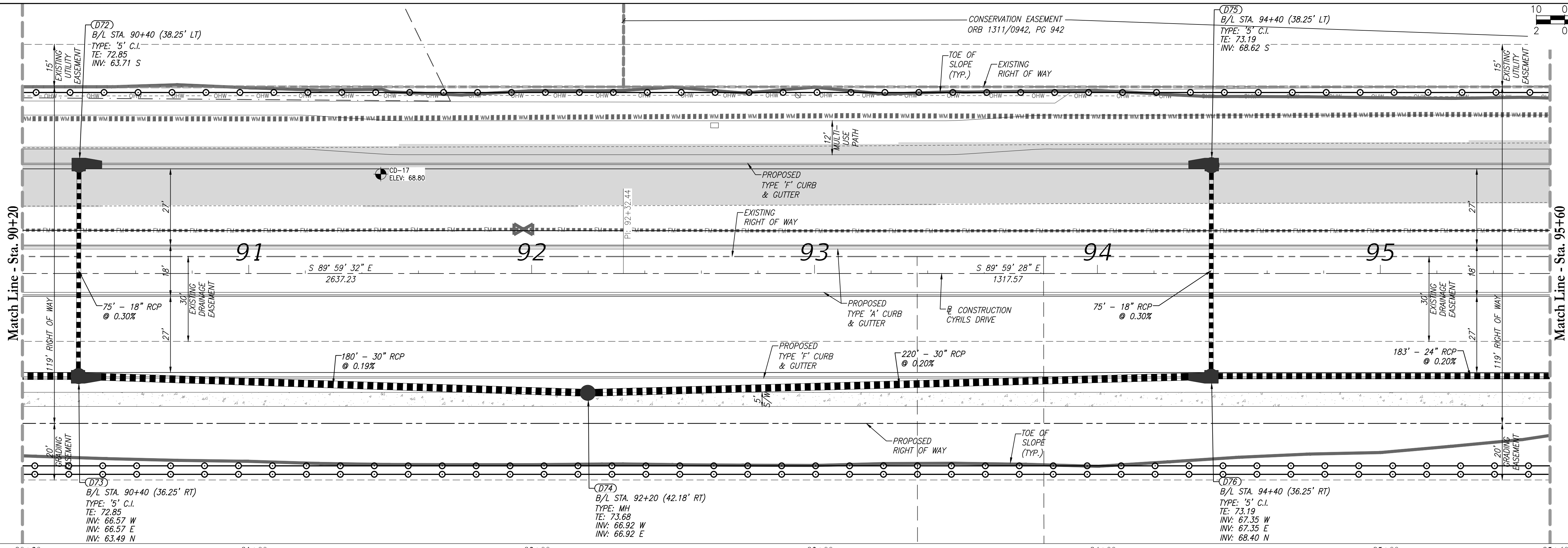
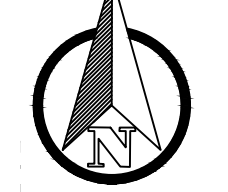
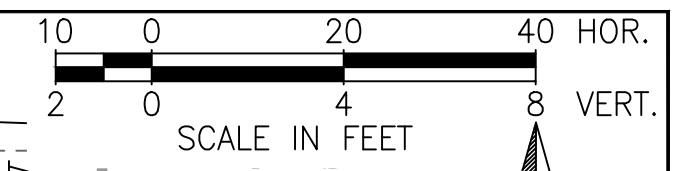
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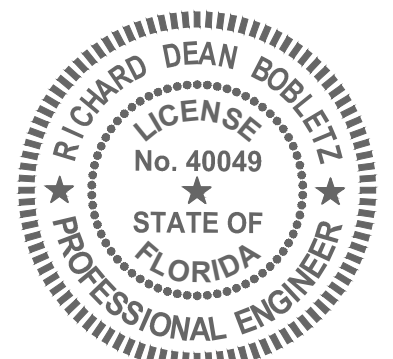


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CYRILS DRIVE / NARCOOSSEE ROAD TO
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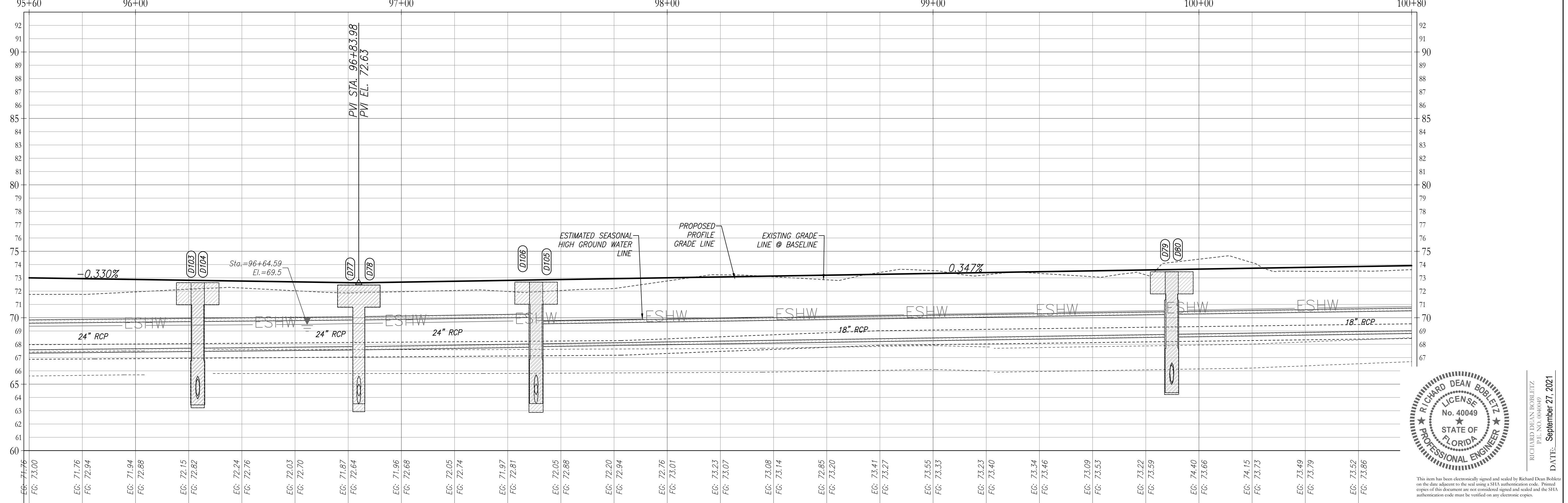
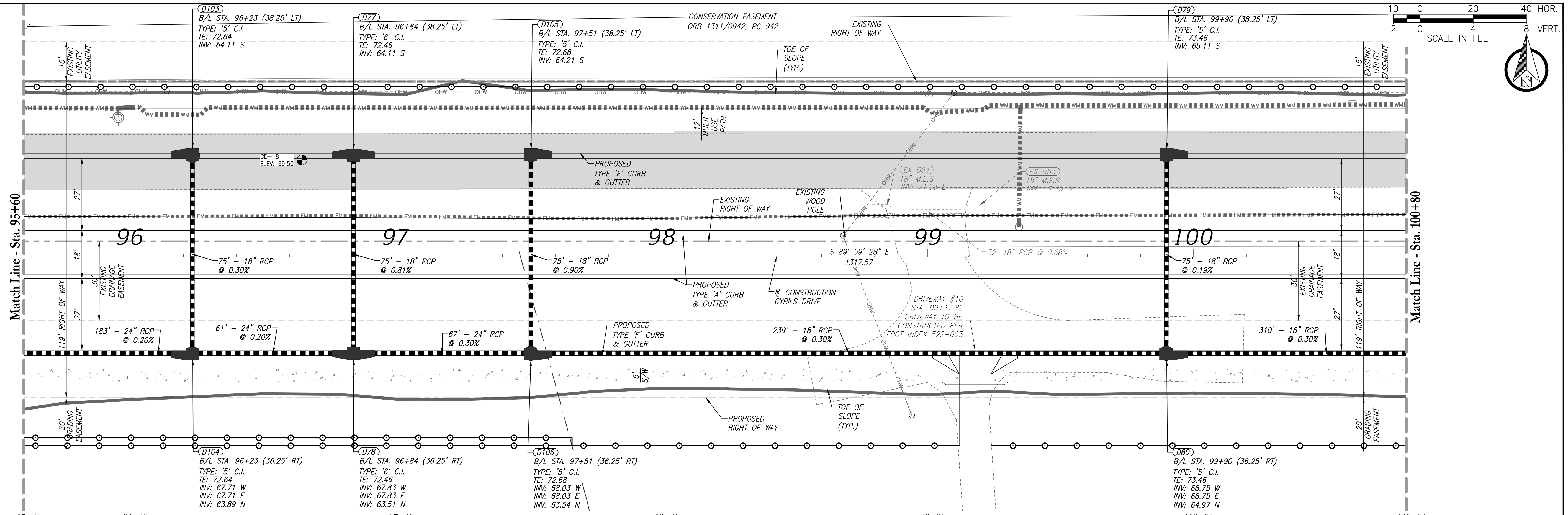


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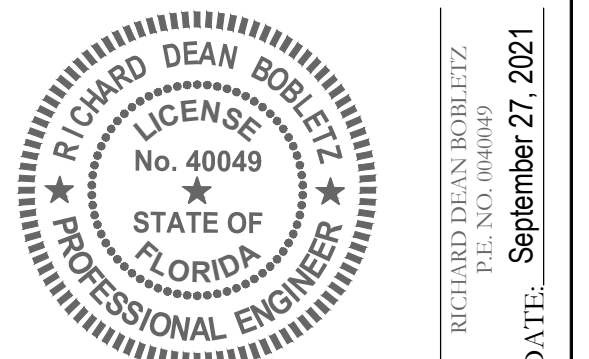
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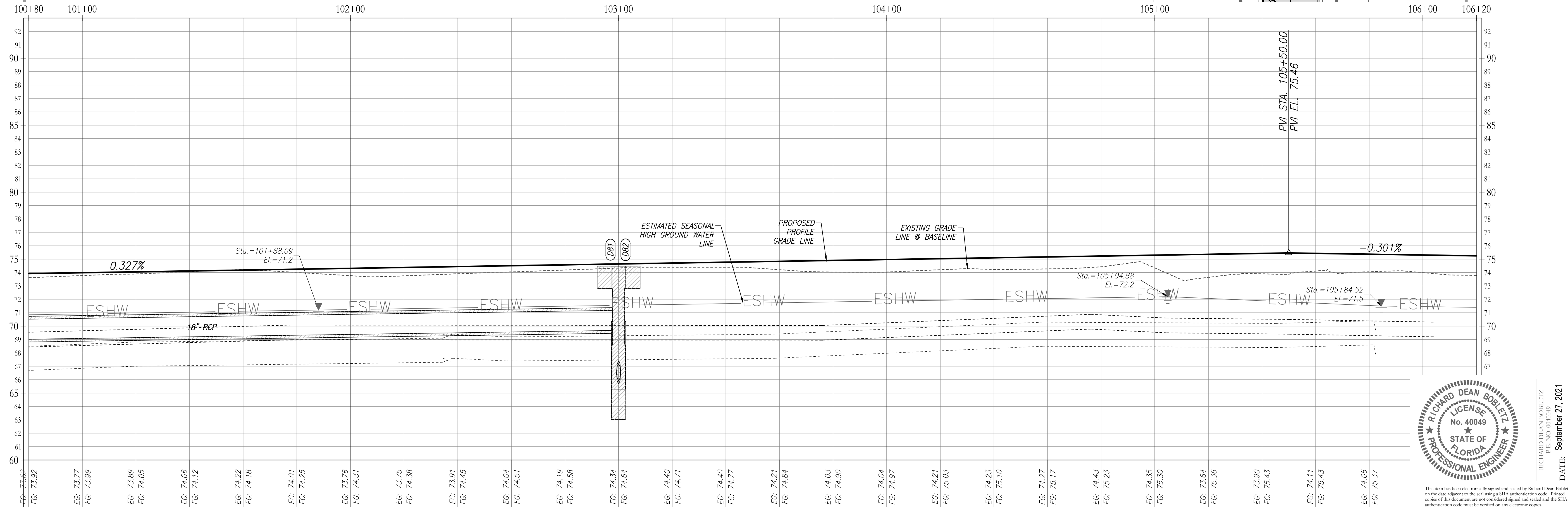
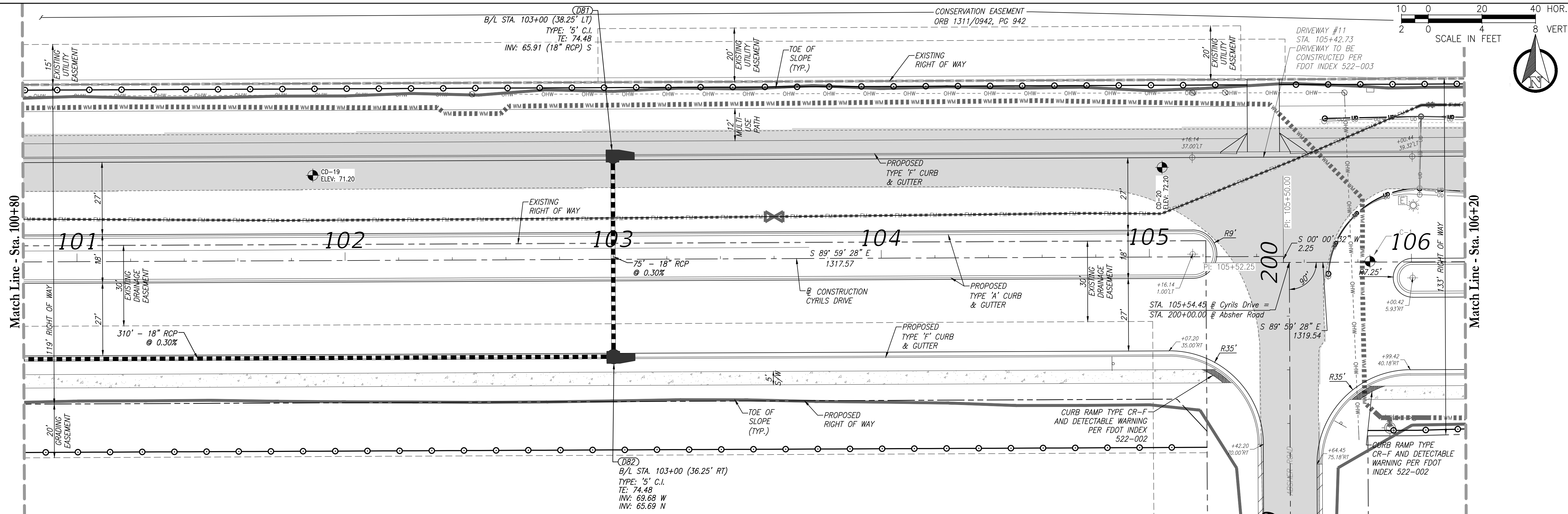
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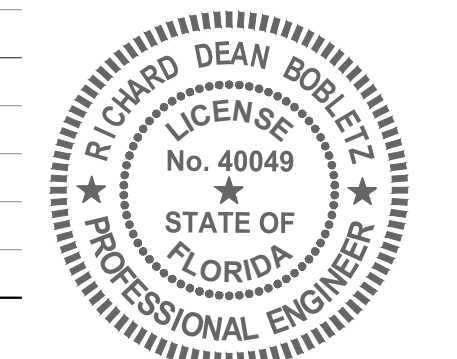
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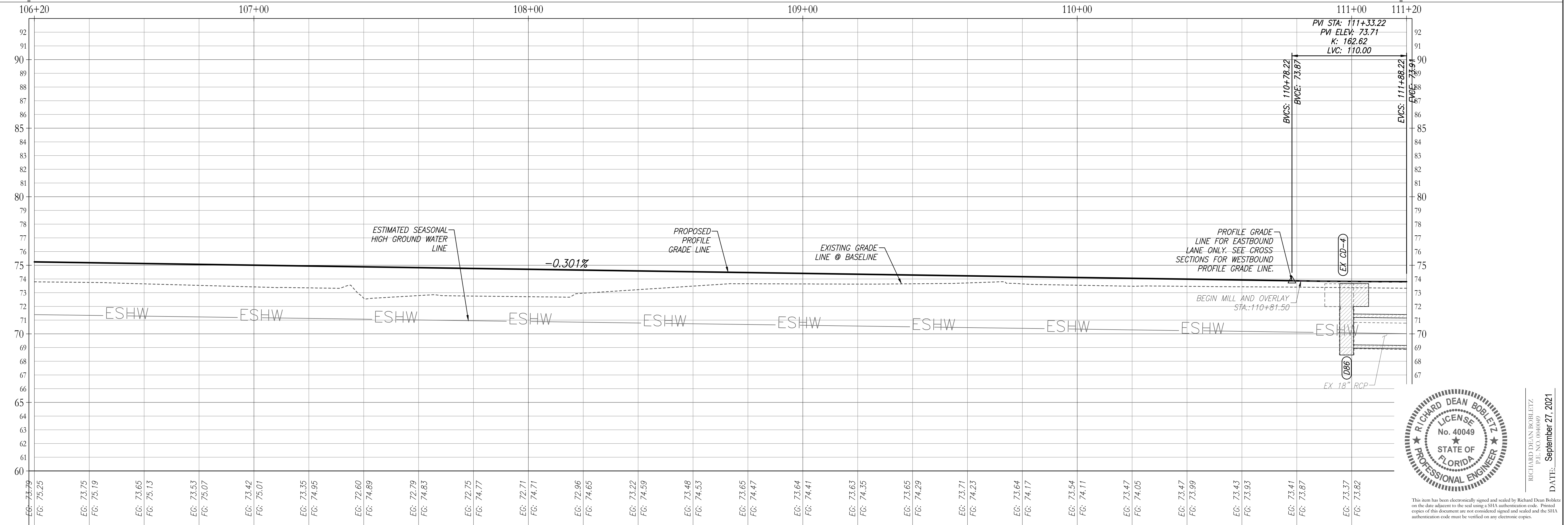
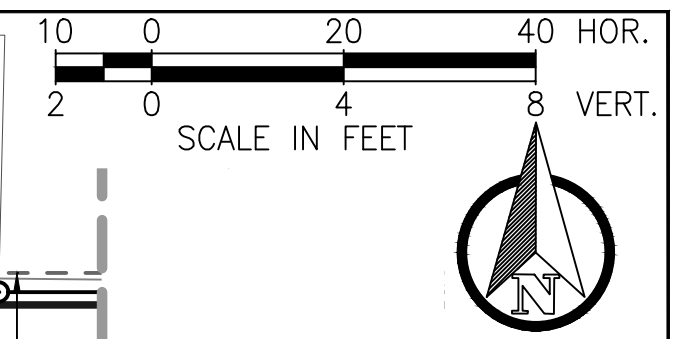
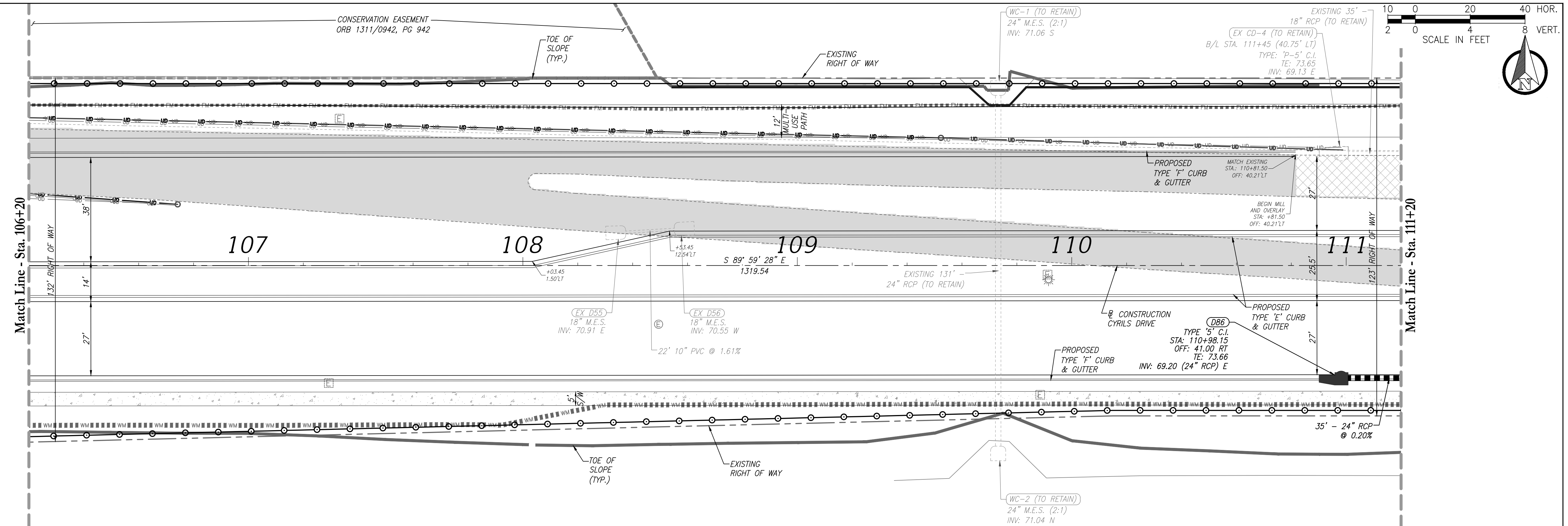
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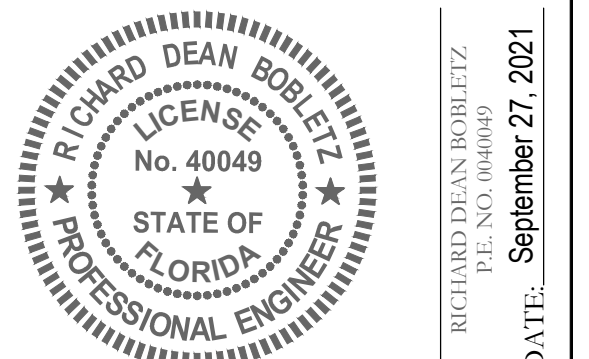
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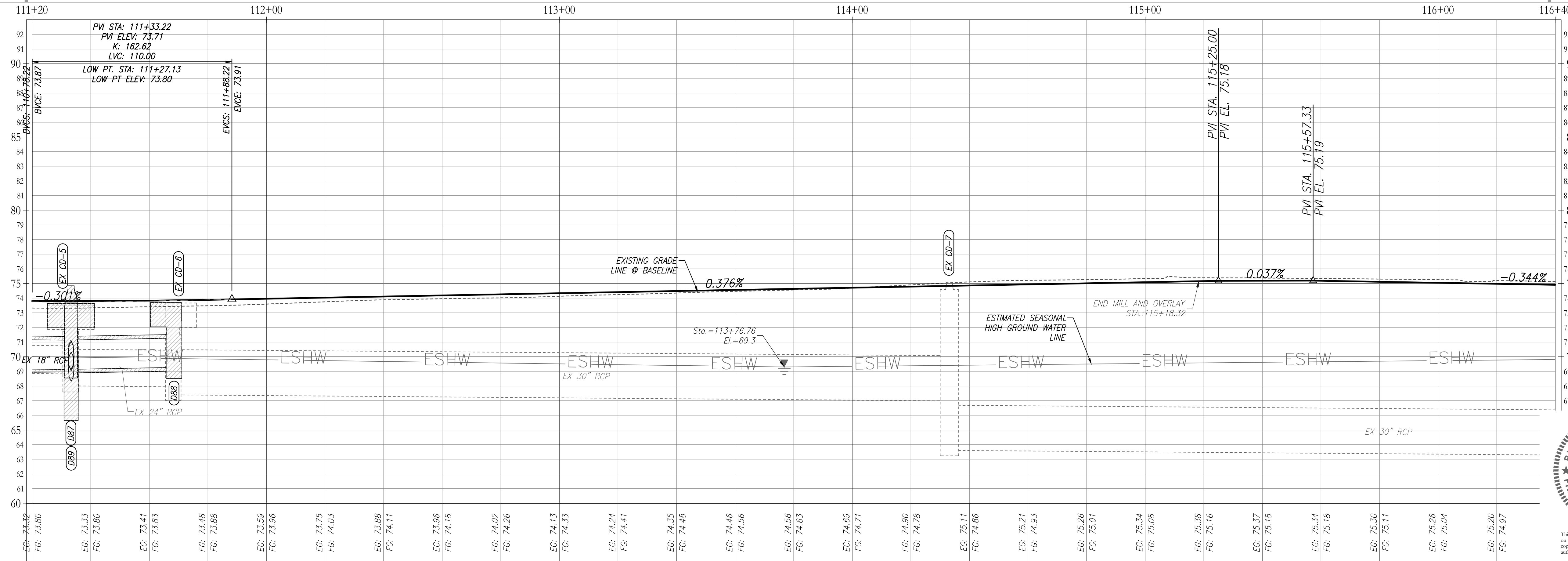
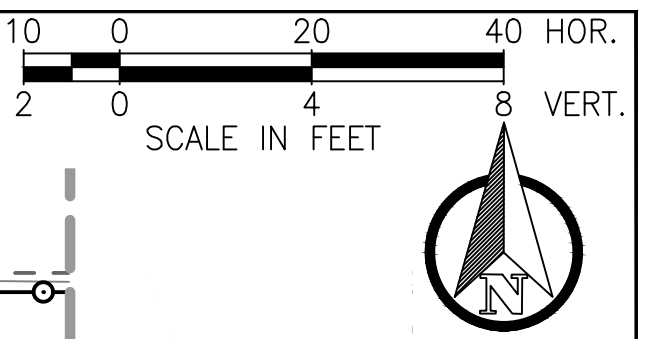
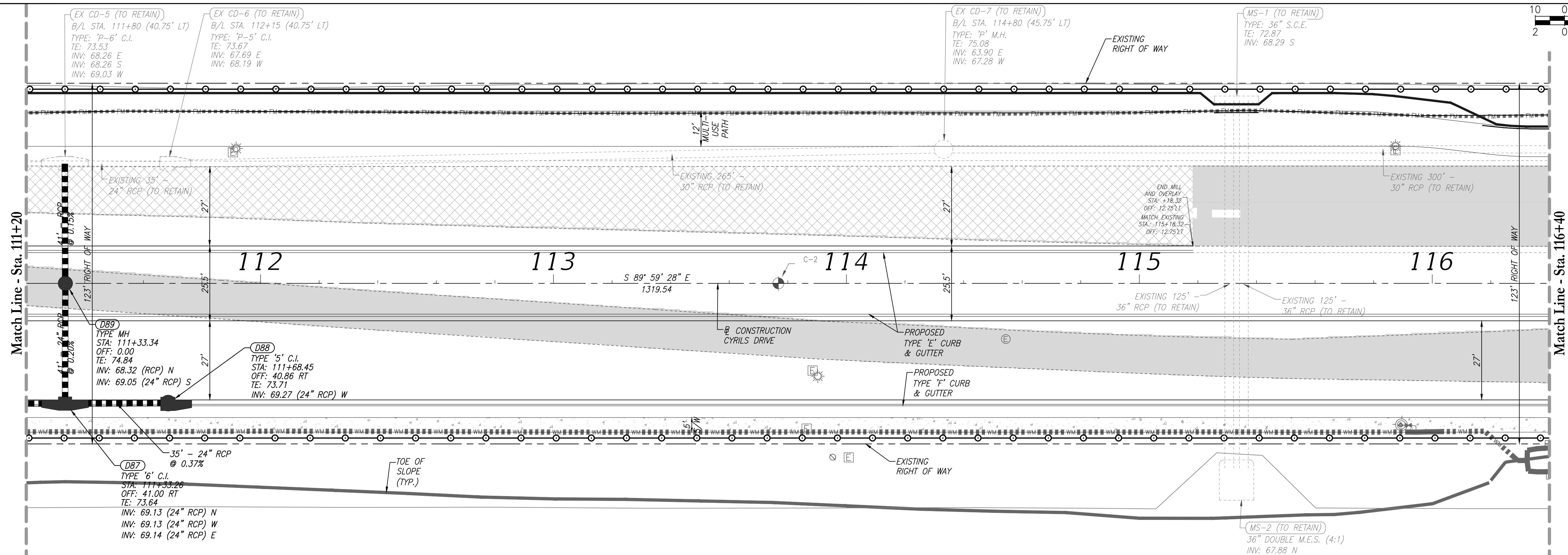
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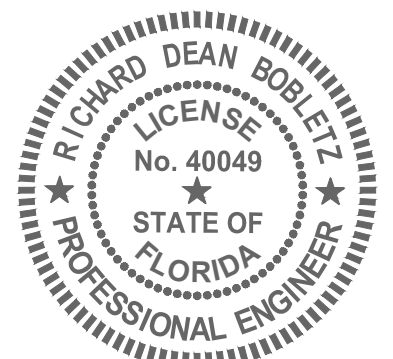
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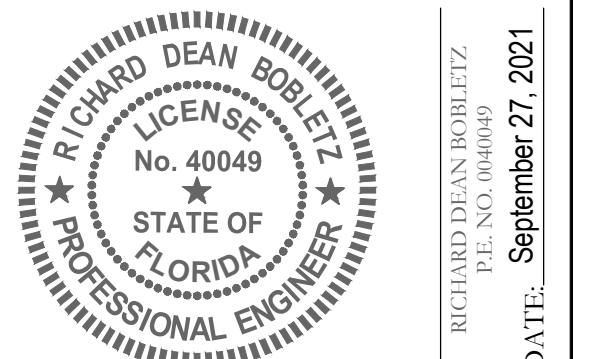
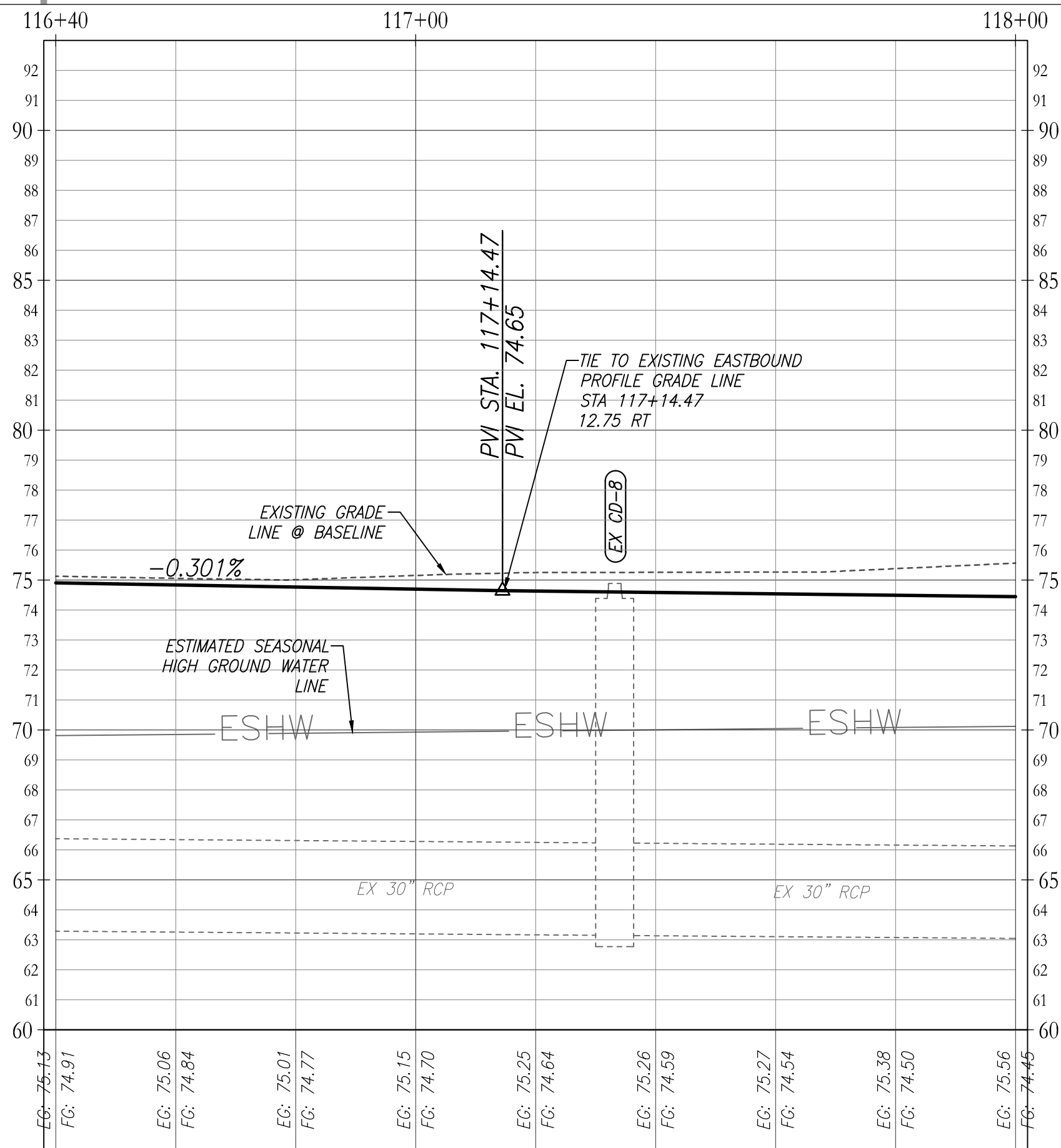
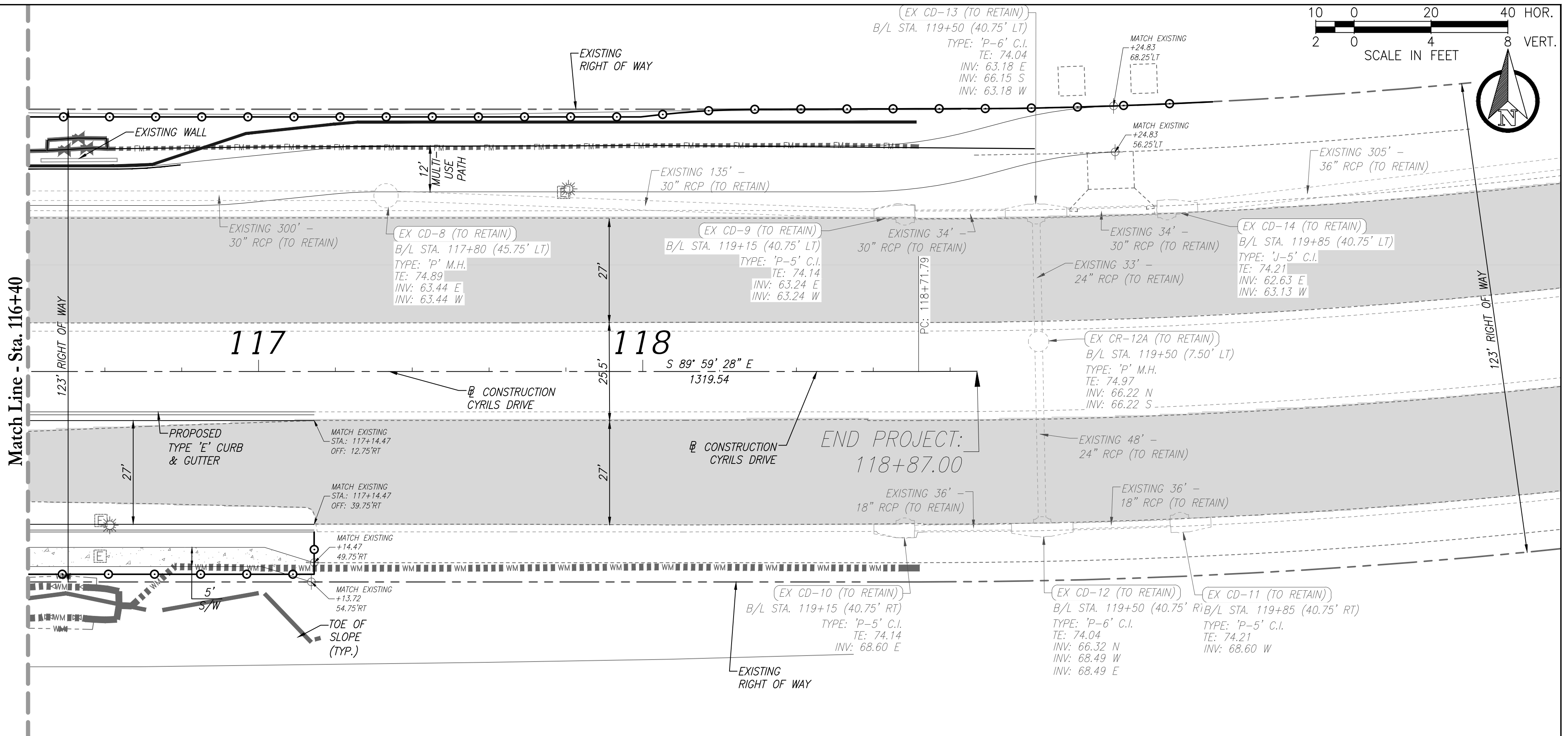
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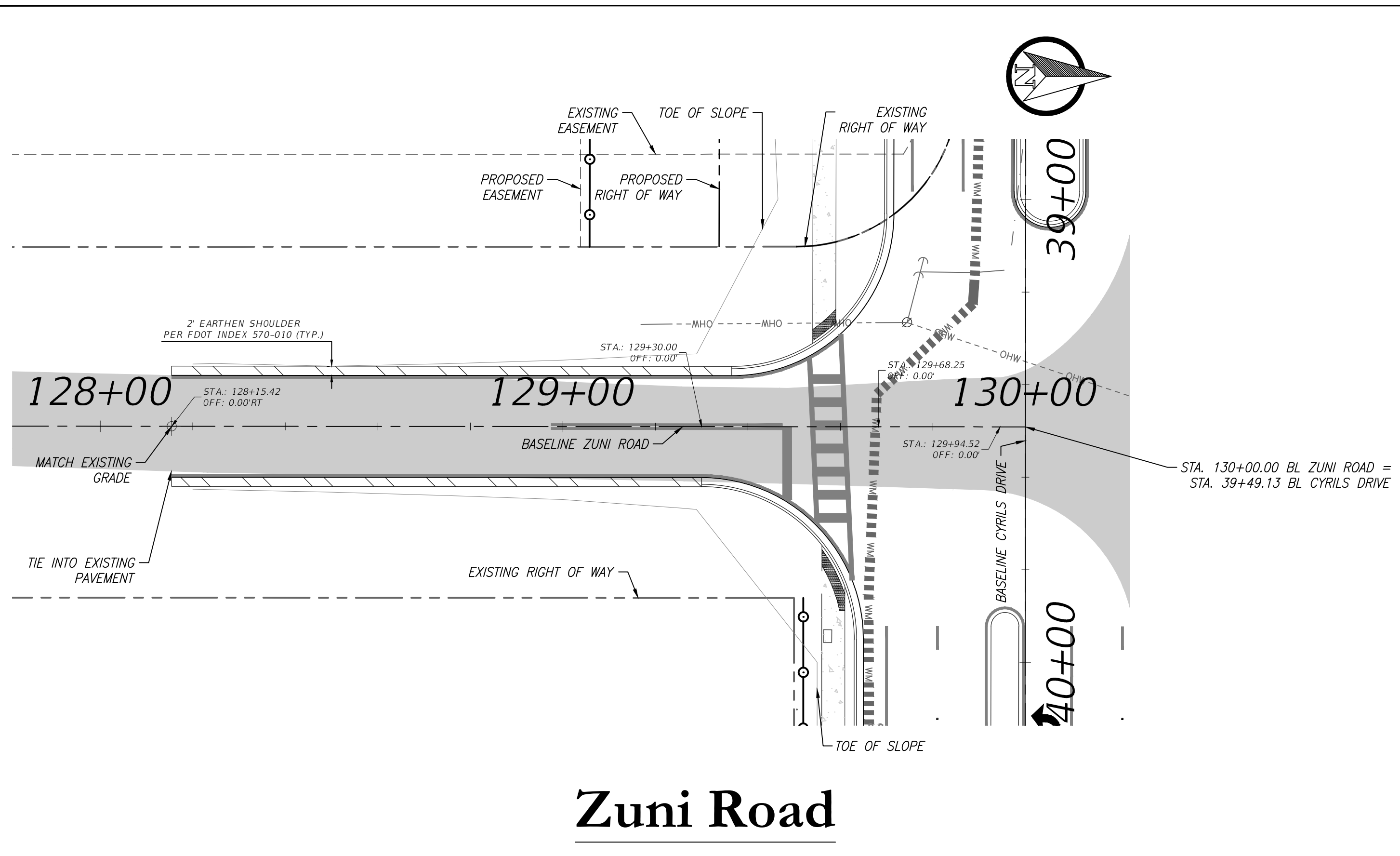
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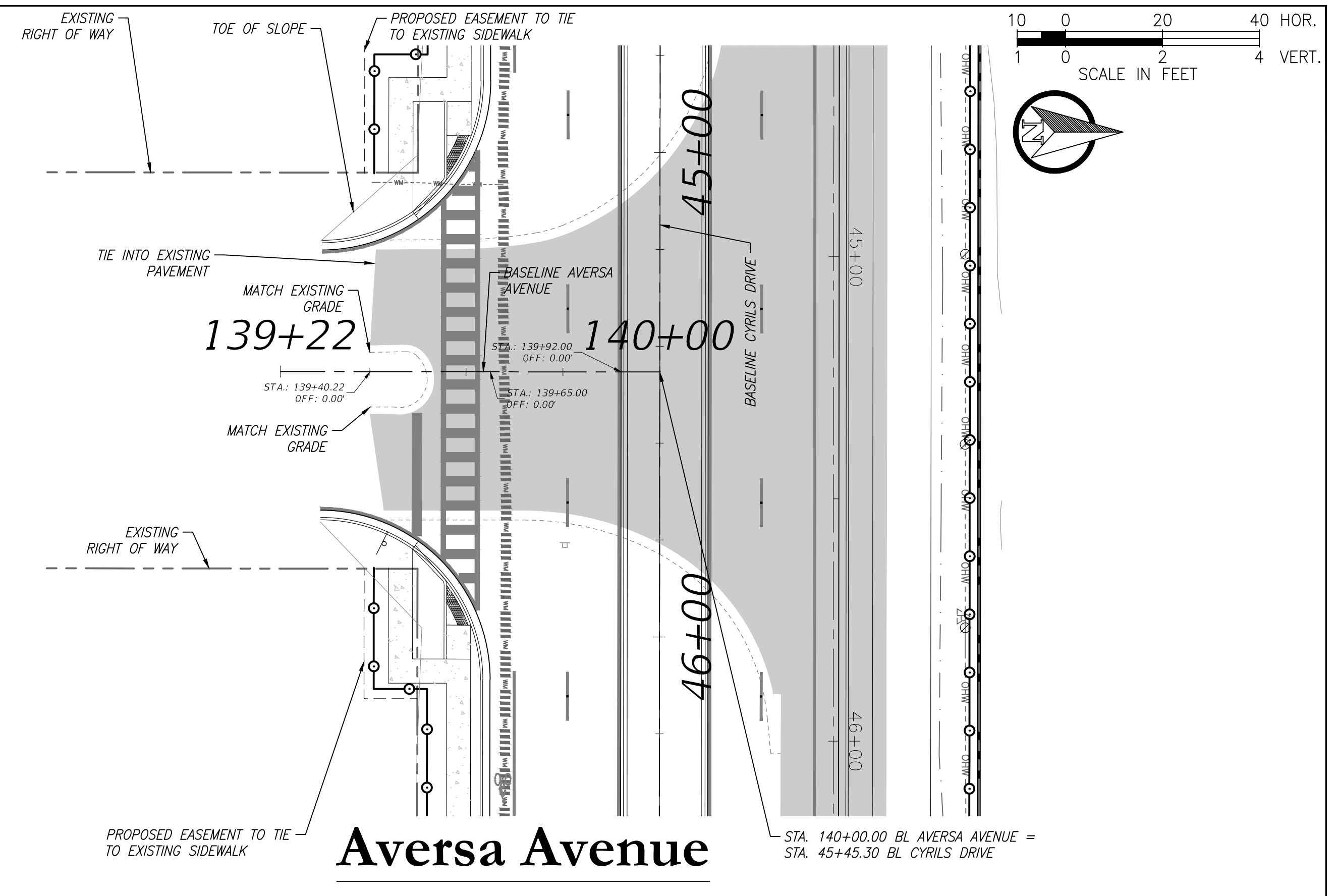
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
PLAN & PROFILES

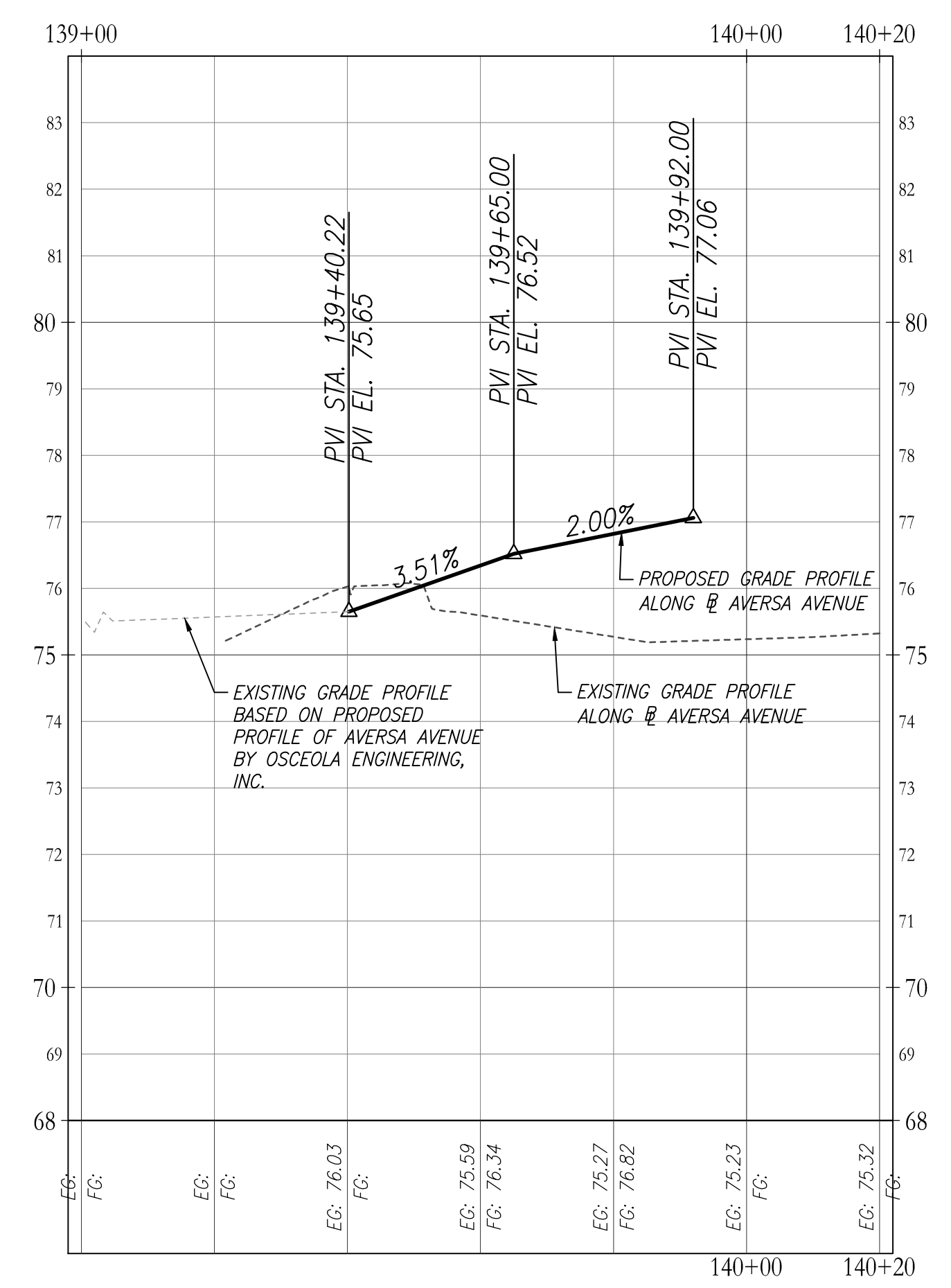
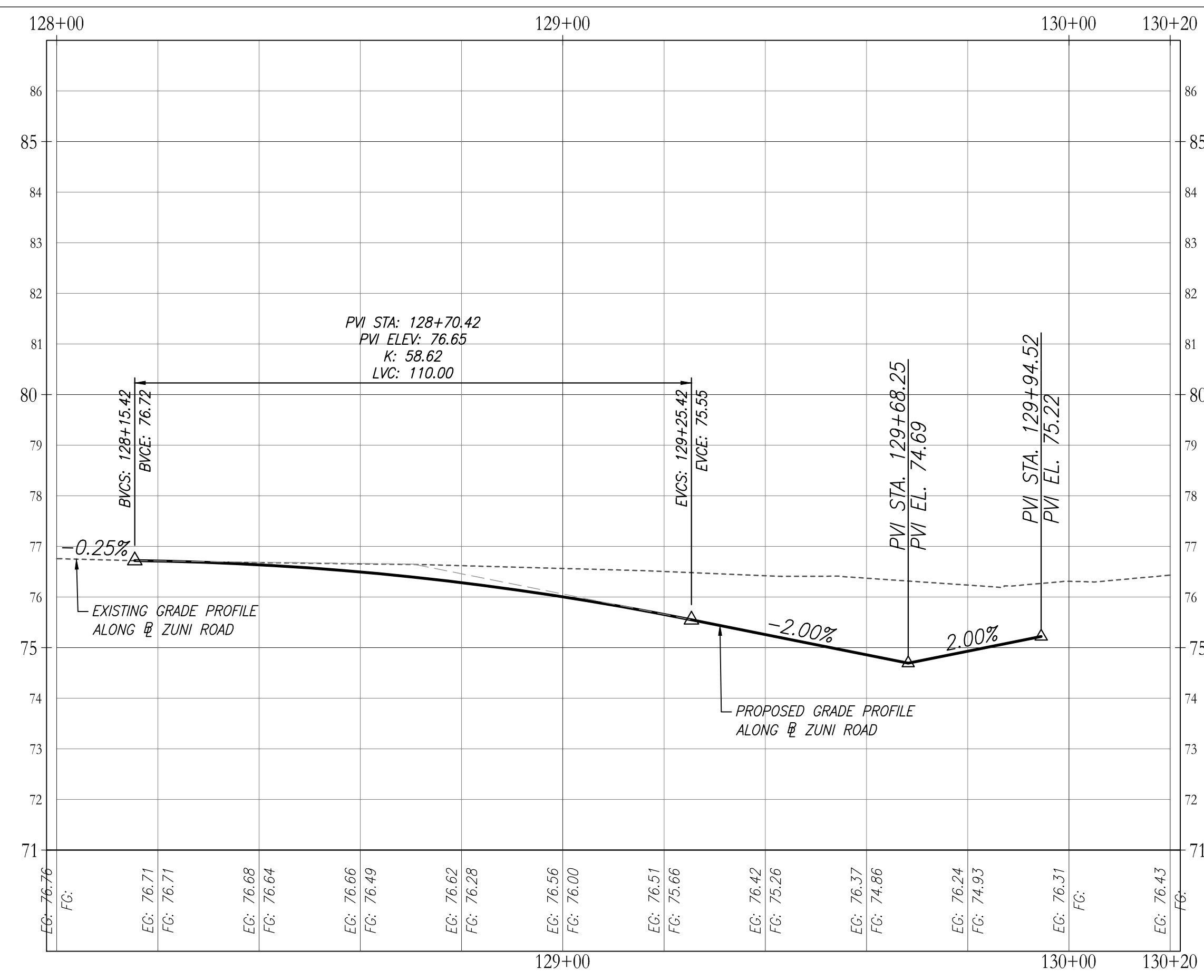
SHEET NO.
41



Zuni Road



Aversa Avenue



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

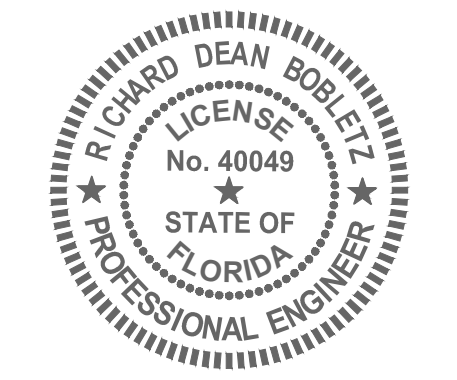
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Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
SIDE STREET PROFILES

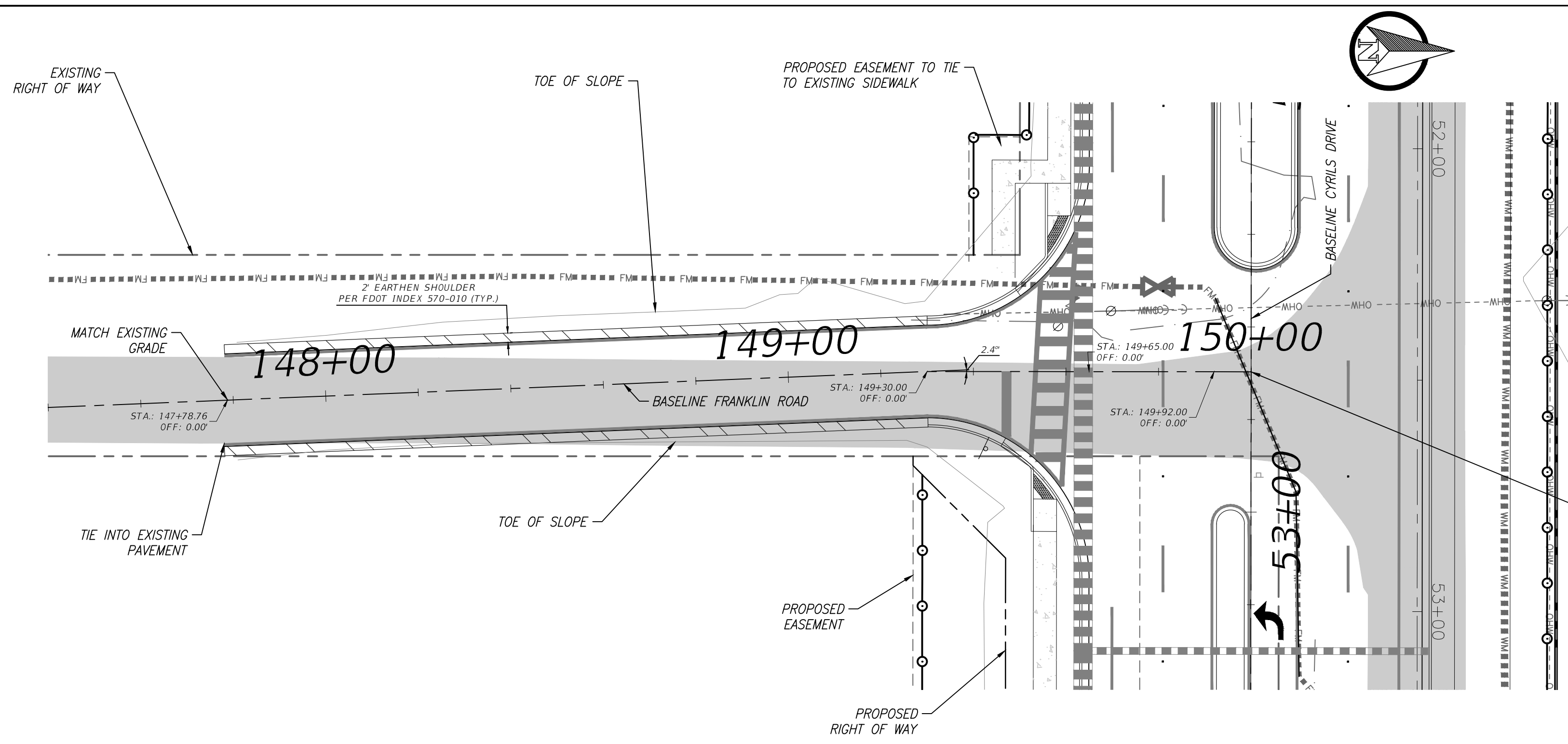
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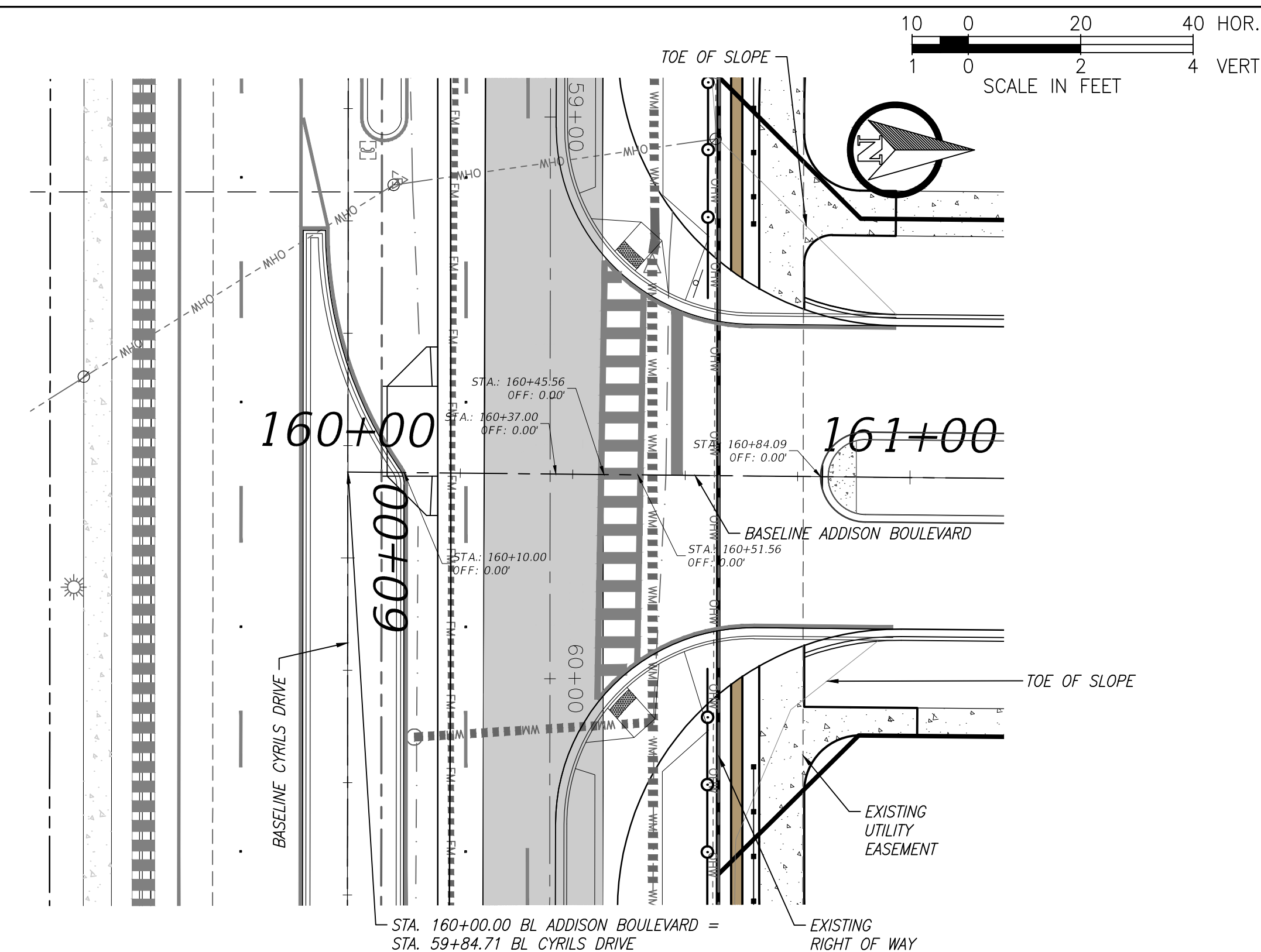
RICHARD DEAN BOBLETZ
September 27, 2021
DATE:

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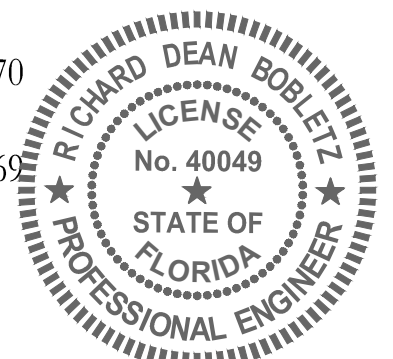
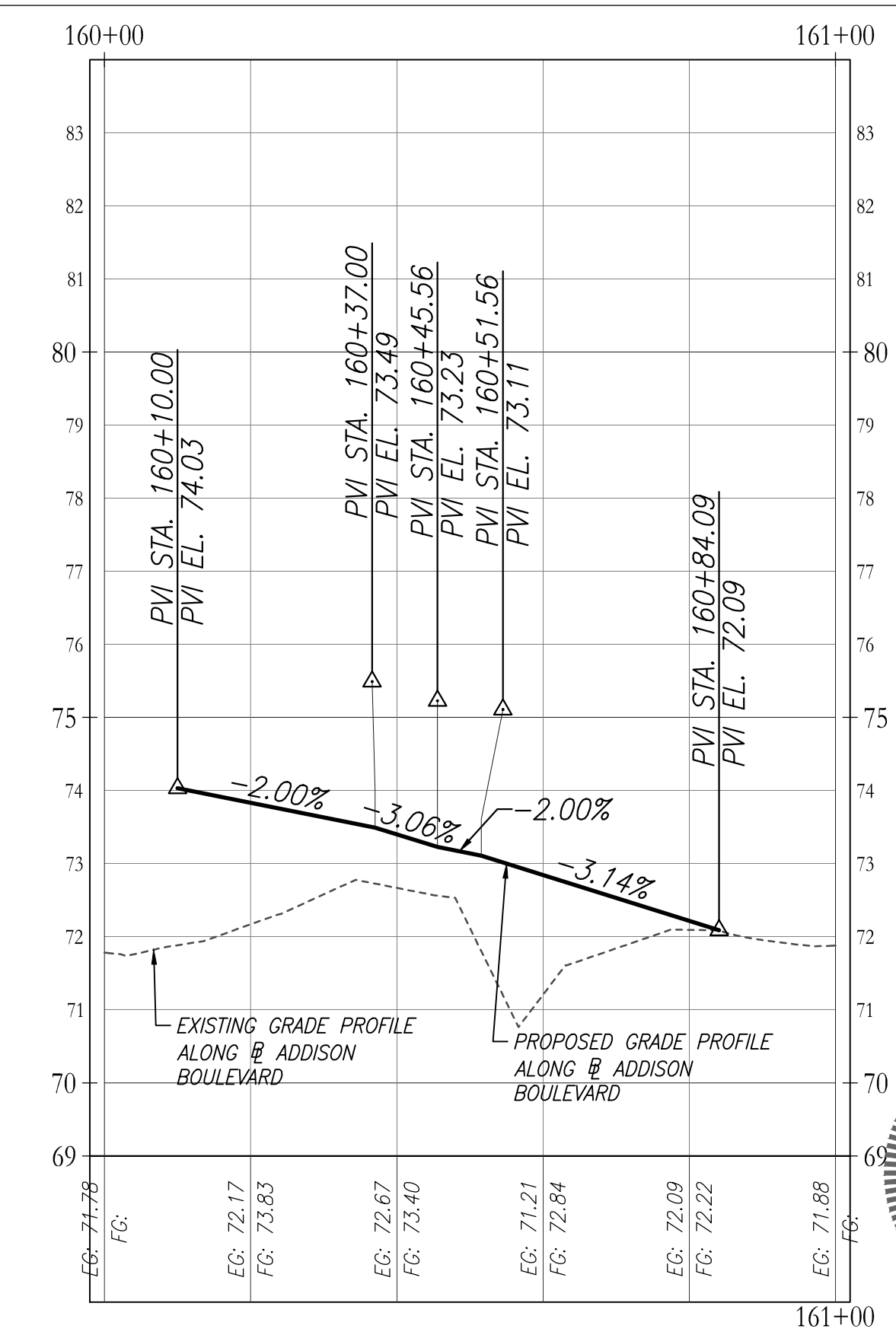
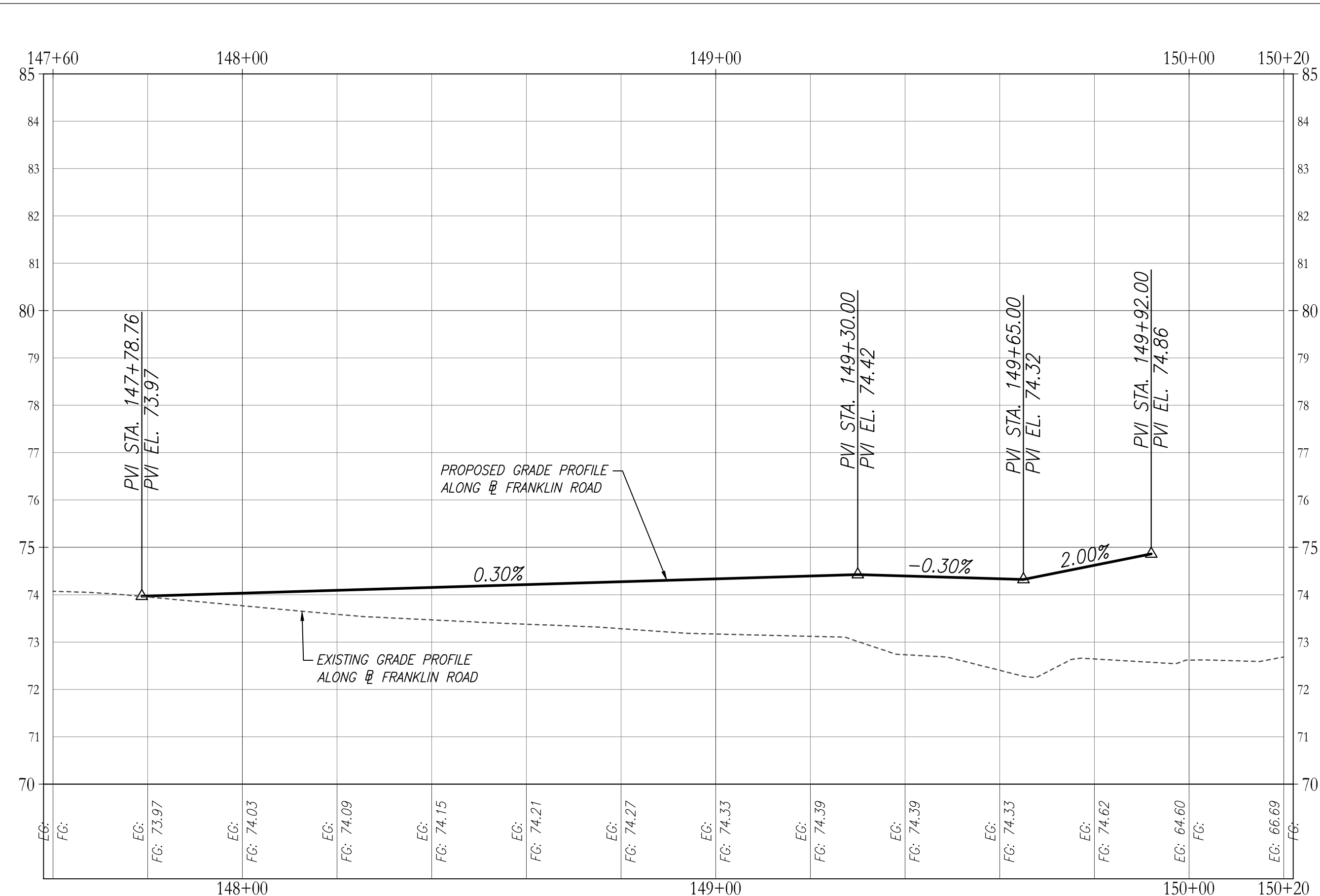
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Franklin Road



Addison Boulevard



RICHARD DEAN BOBLETZ
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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09-XX-2021	60% SUBMITTAL		

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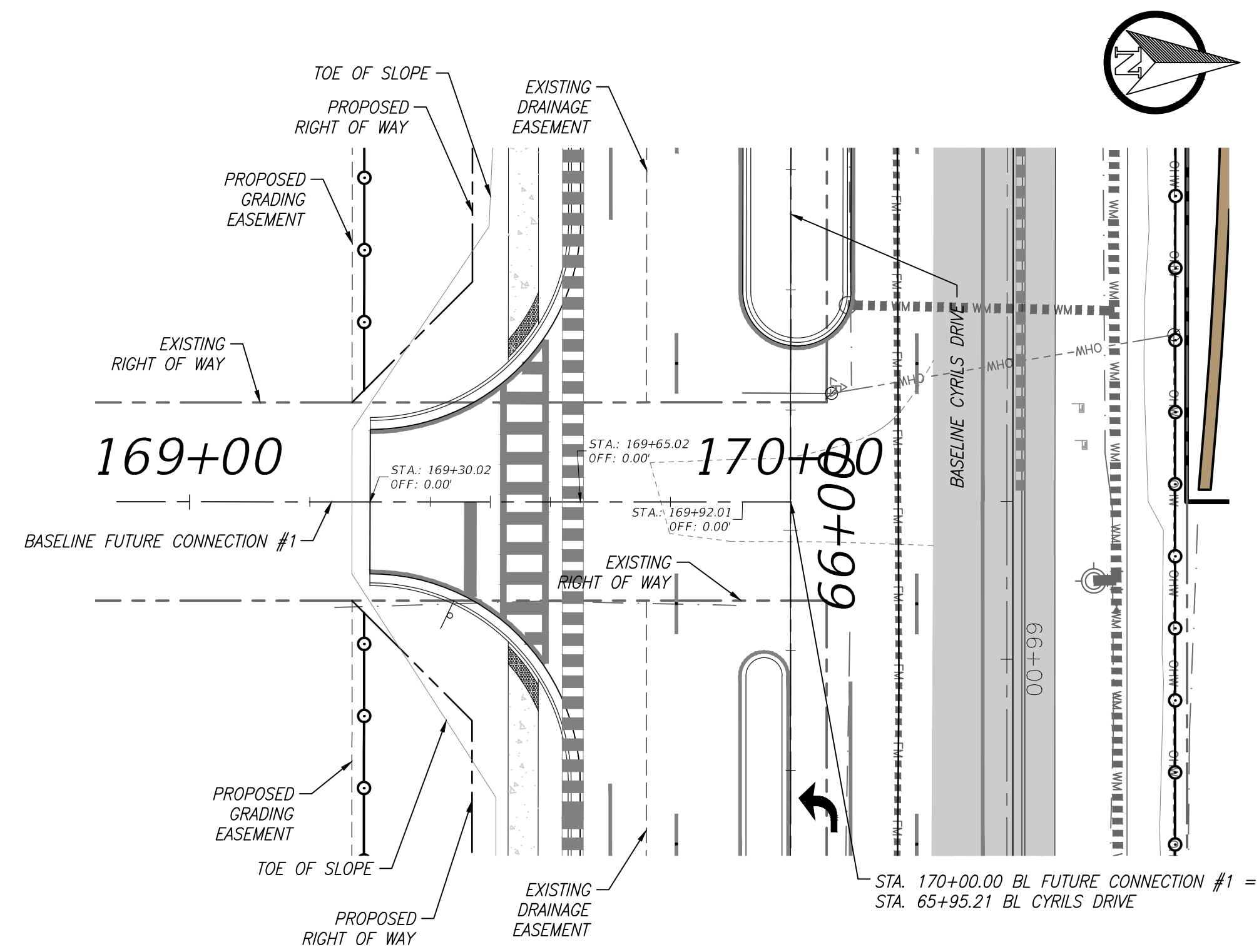
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 SIDE STREET PROFILES

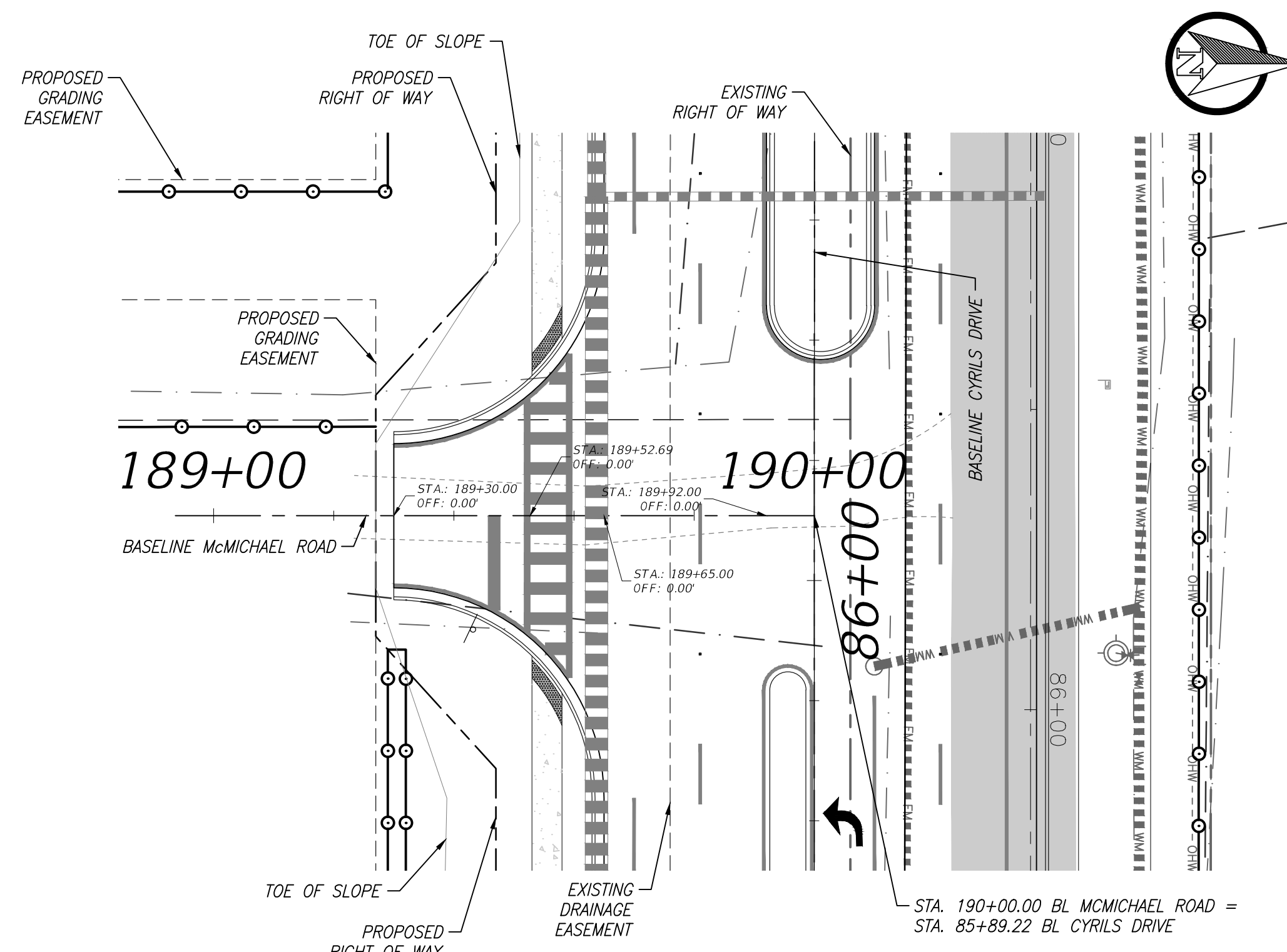
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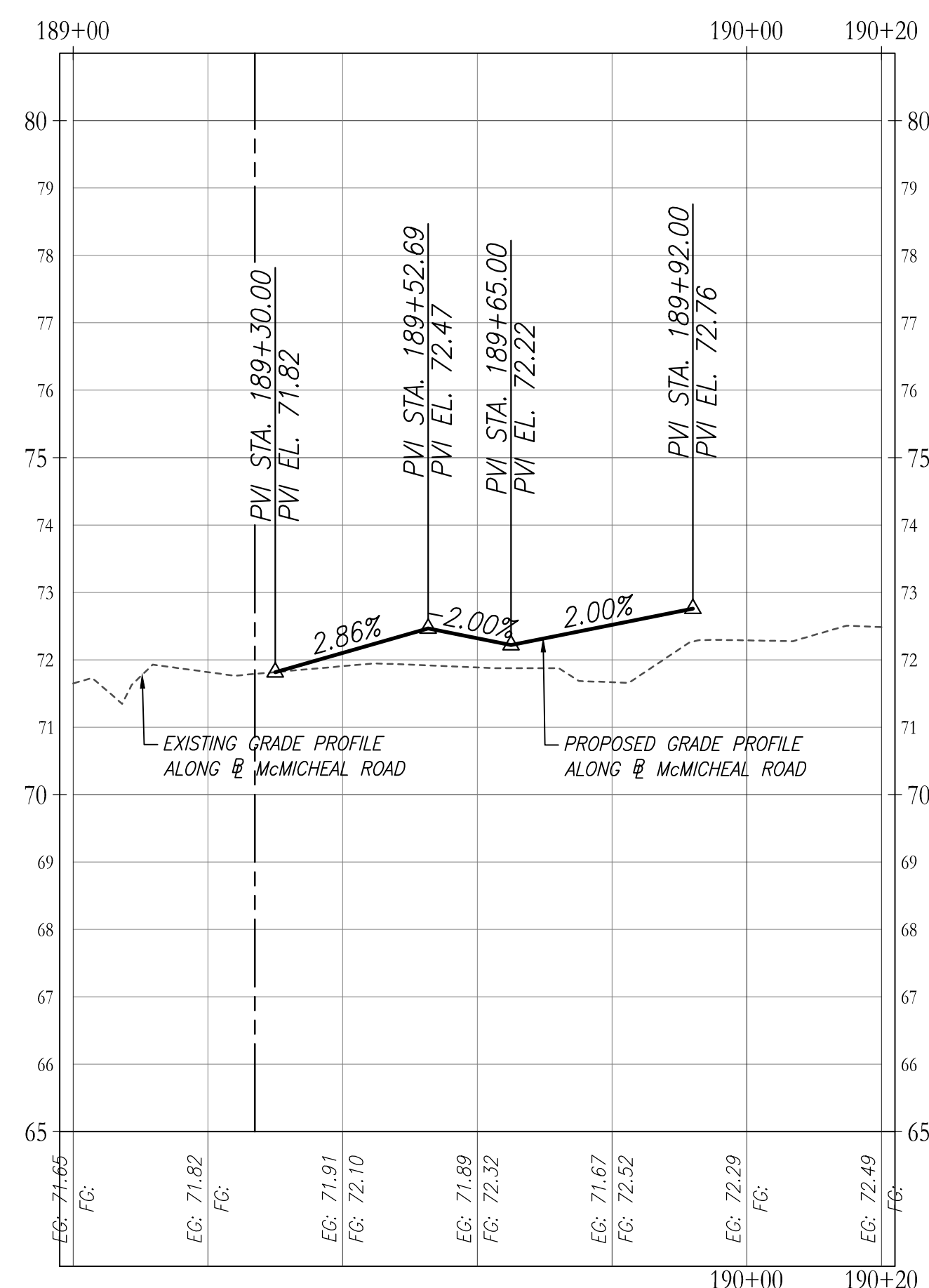
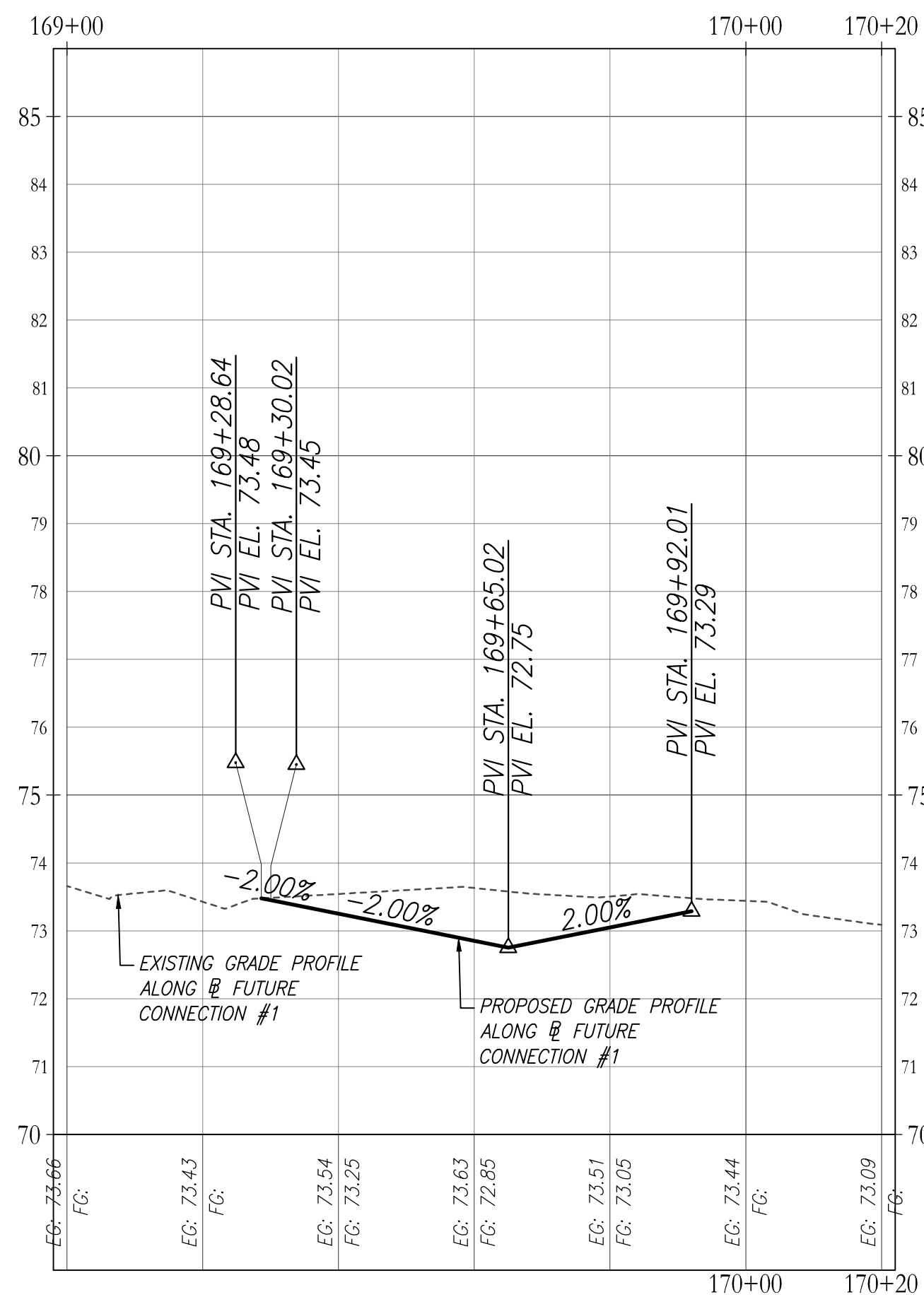
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Future Connection #1



McMichael Road



REVISIONS

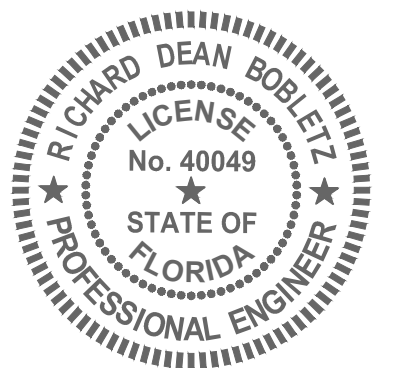
DATE	DESCRIPTION	DATE	DESCRIPTION
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 PROJECT NO. (XXXX)

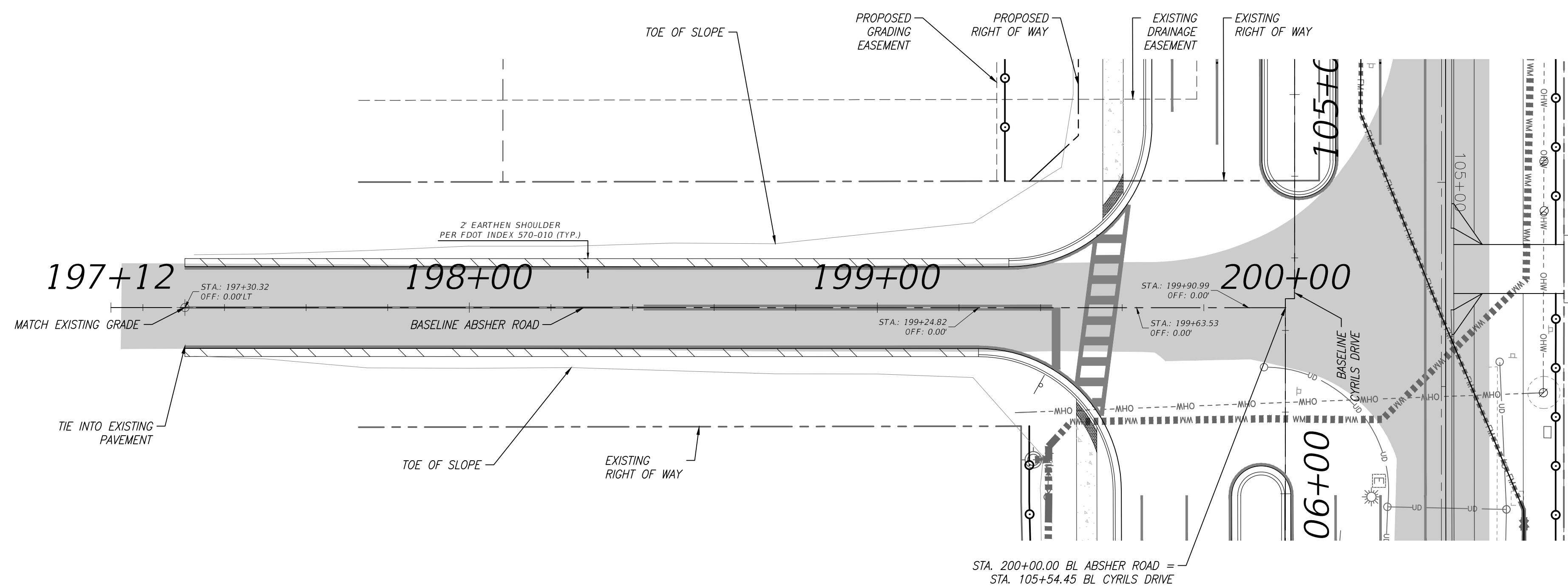
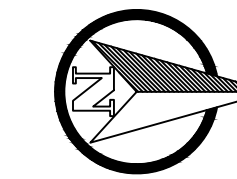
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 SIDE STREET PROFILES

SHEET NO.
 44

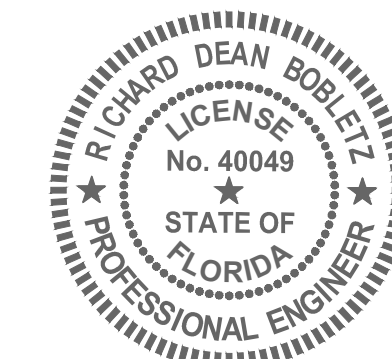
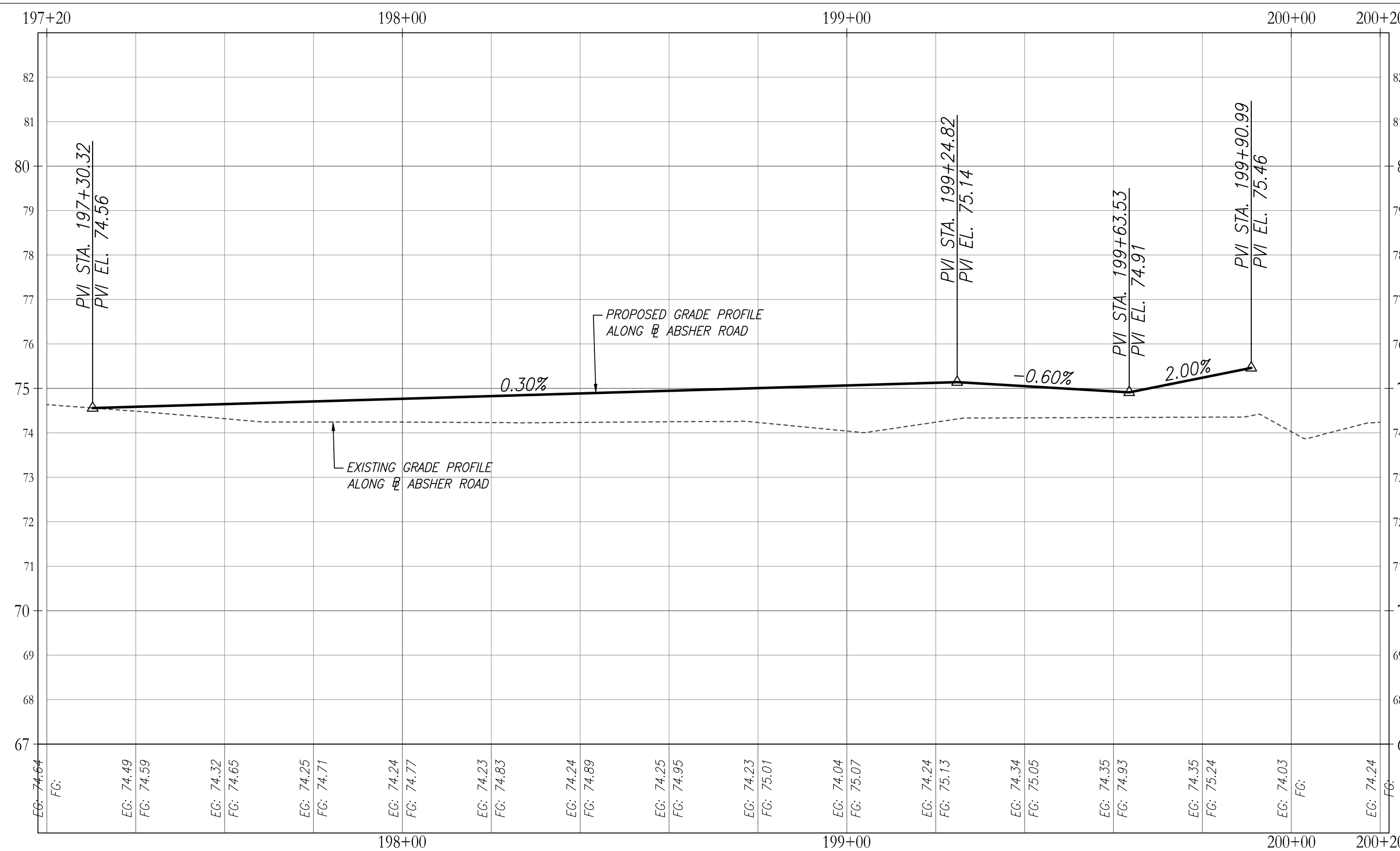


Richard Dean Bobletz
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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Absher Road



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09-XX-2021	60% SUBMITTAL		

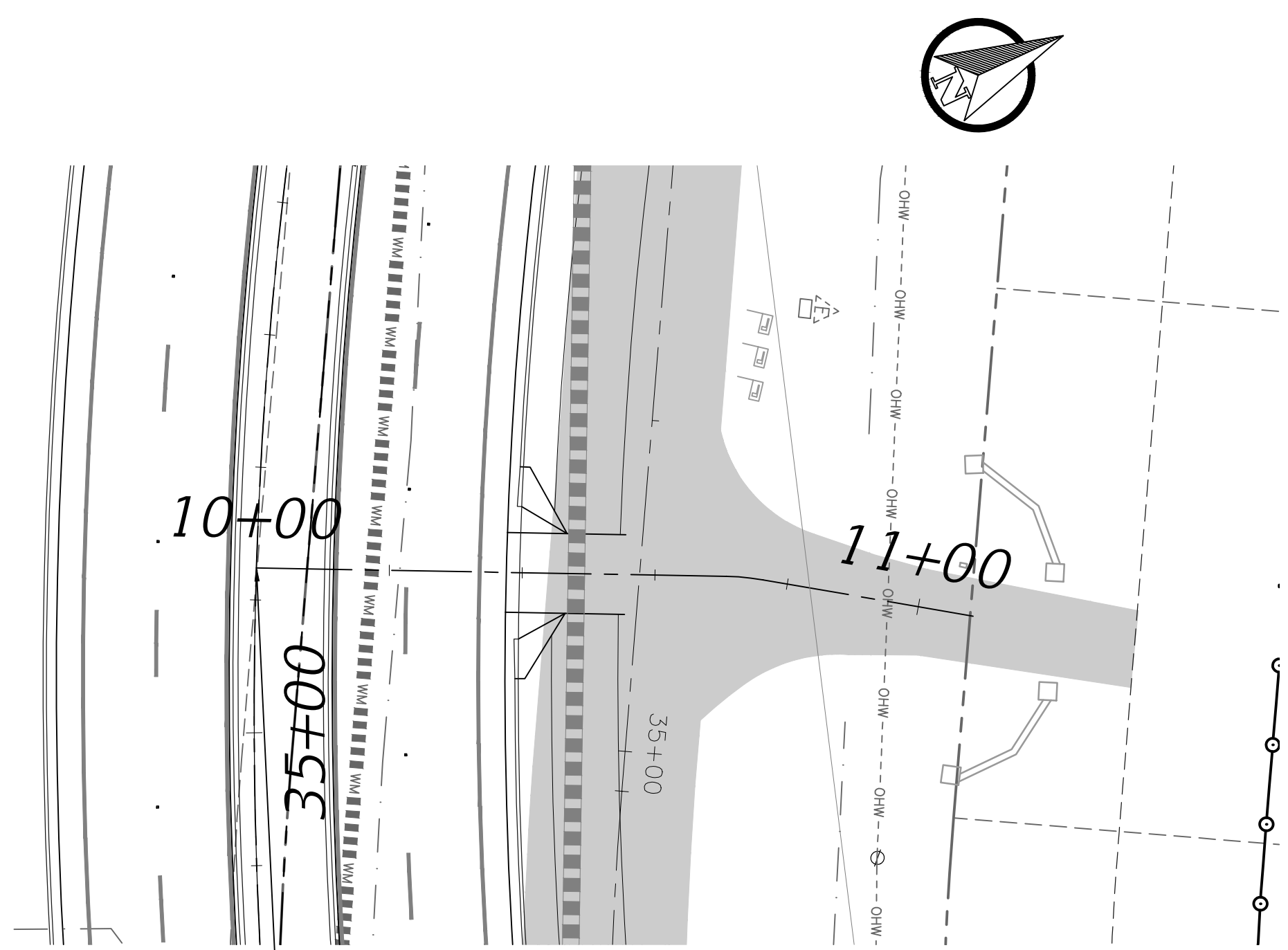
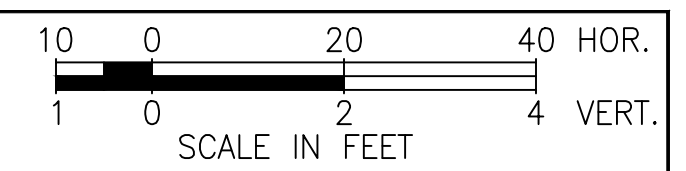
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
SIDE STREET PROFILES

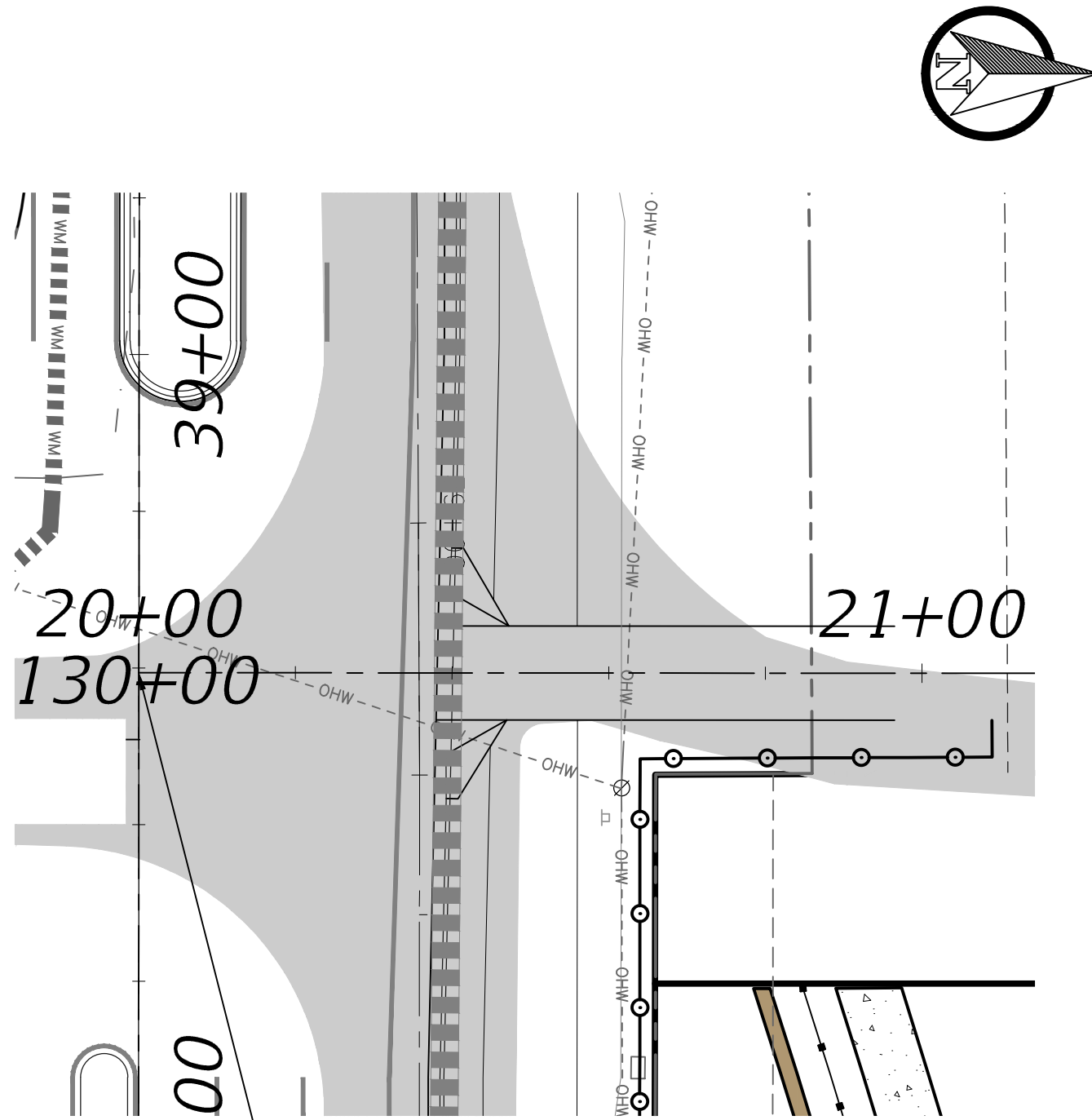
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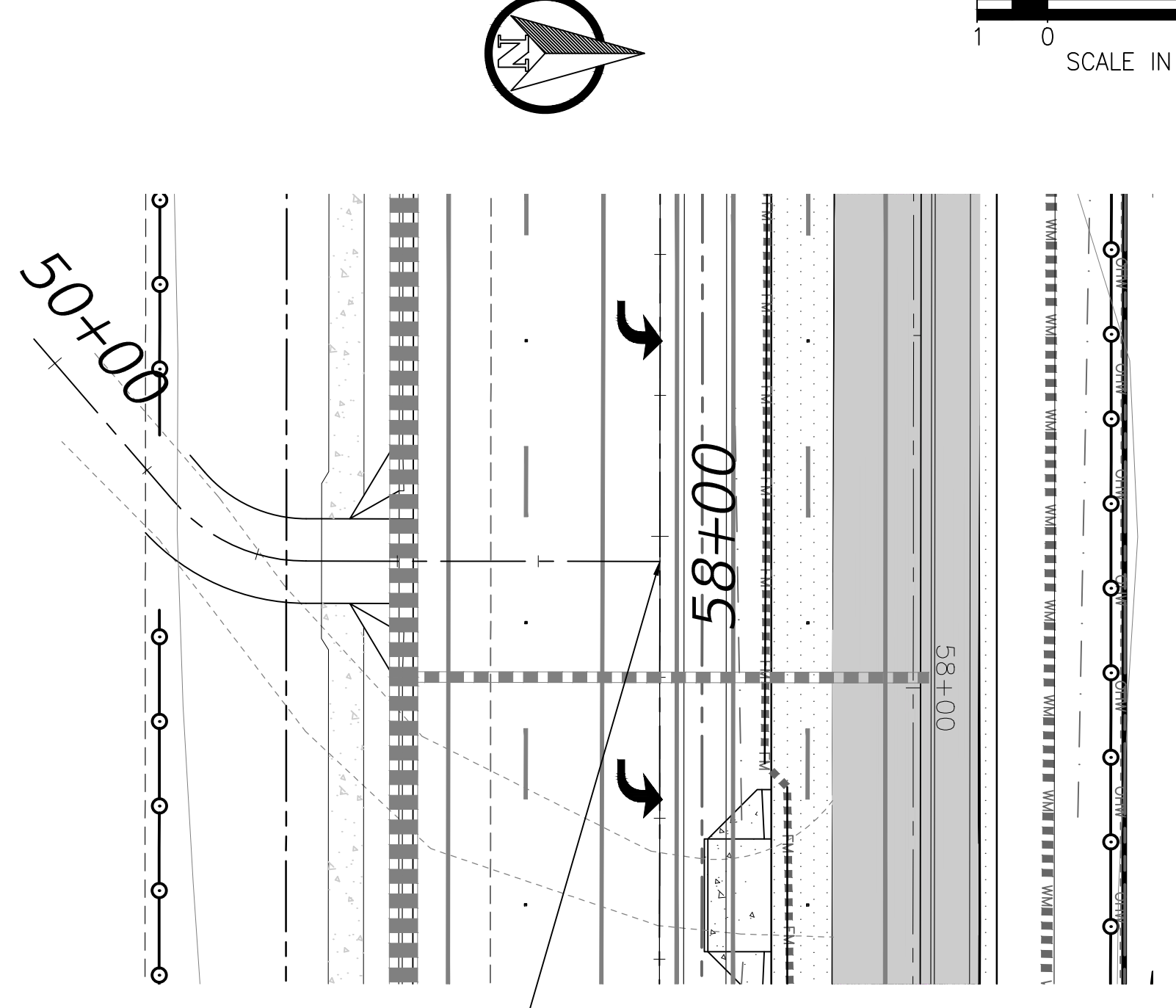
DRIVEWAY #1 STA. 10+00.00 =
CYRILS DRIVE STA. 34+75.18

Driveway #1



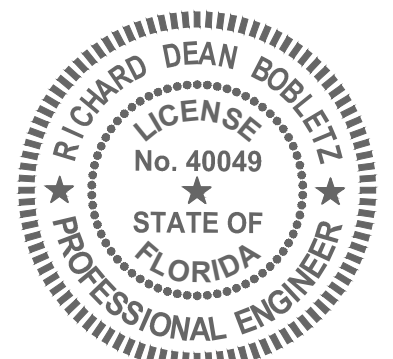
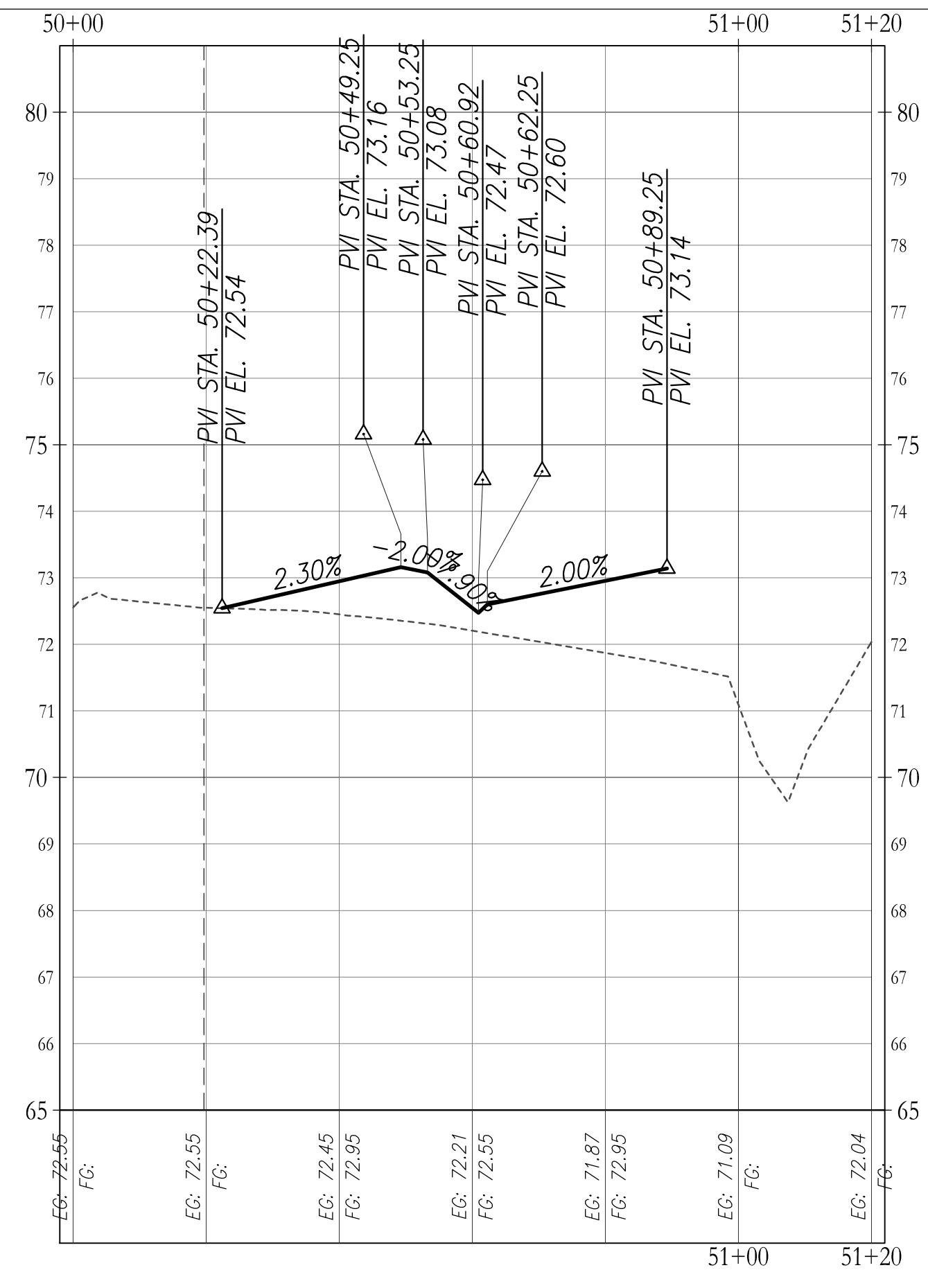
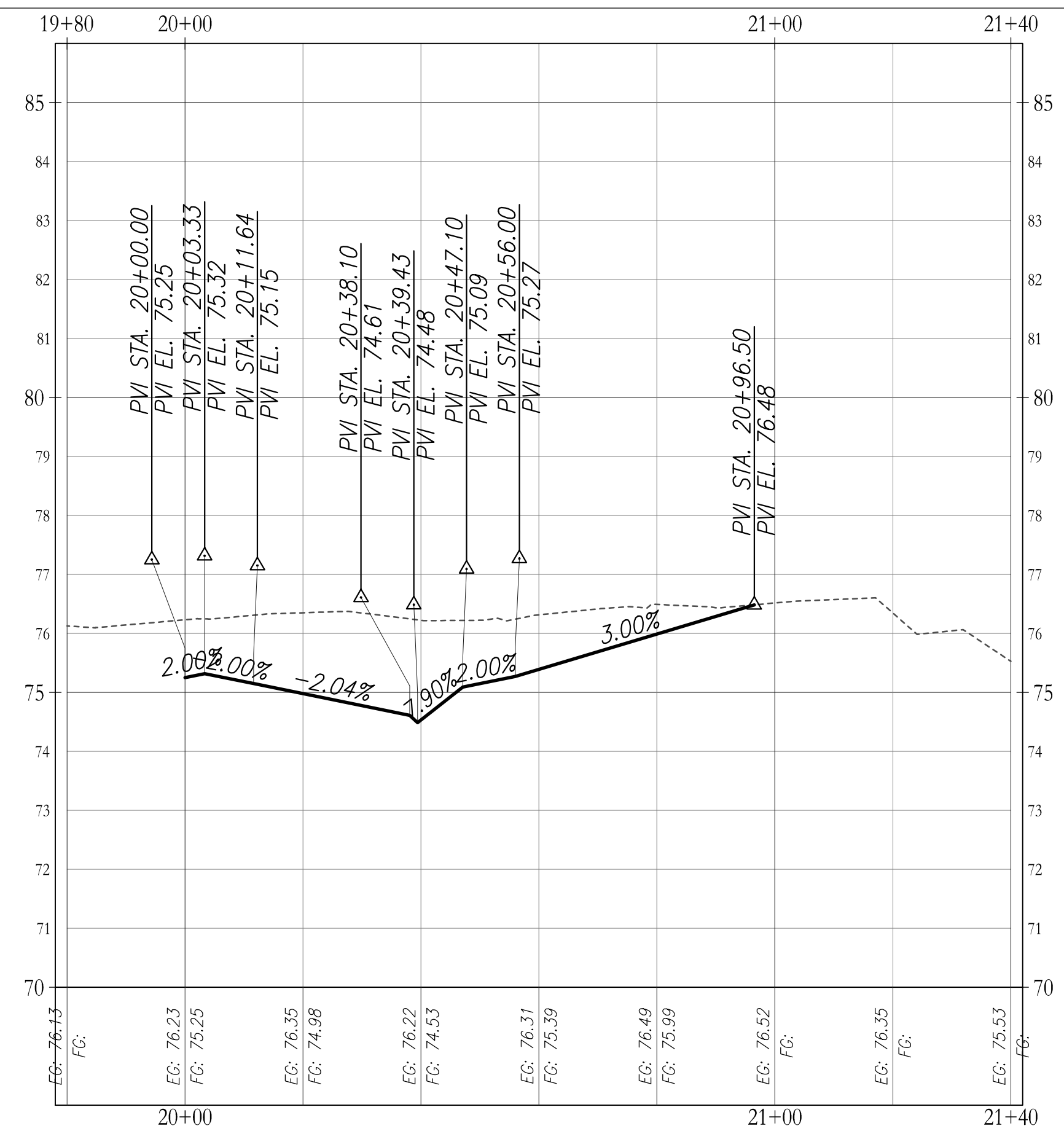
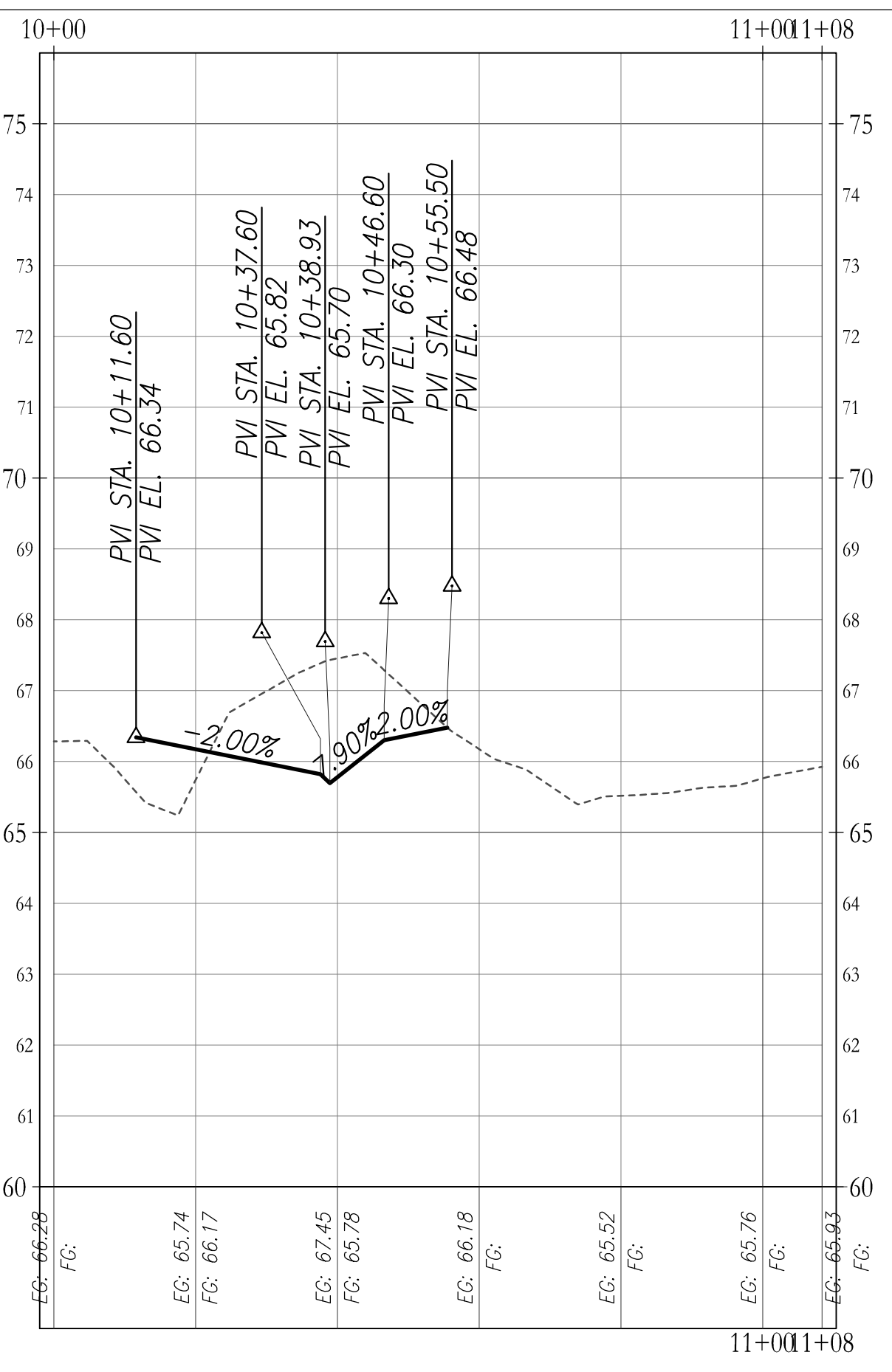
DRIVEWAY #2 STA. 20+00.00 =
CYRILS DRIVE STA. 39+40.60

Driveway #2



DRIVEWAY #3 STA. 50+97.25 =
CYRILS DRIVE STA. 58+03.56

Driveway #3



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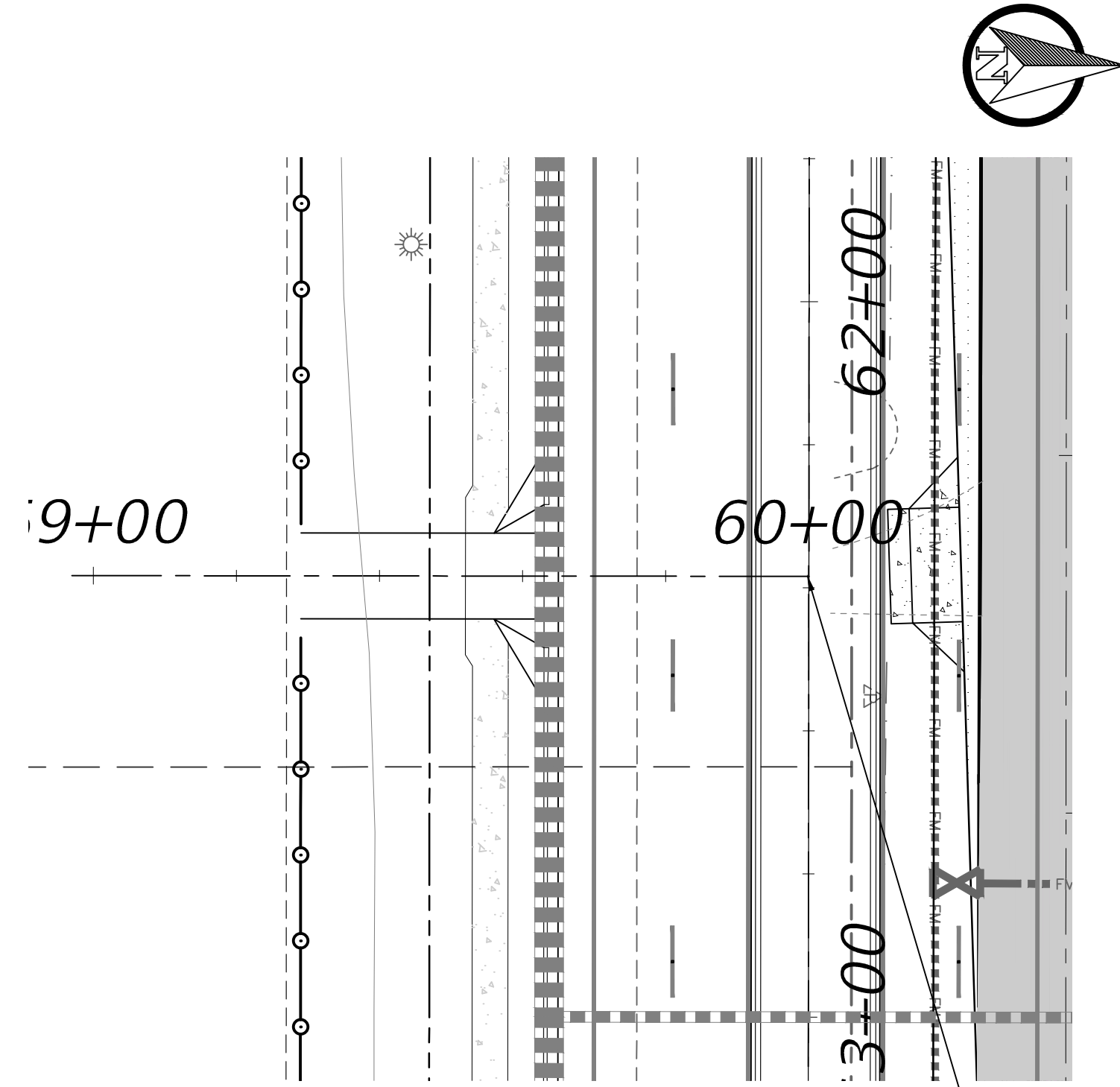
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 DRIVEWAY PROFILES

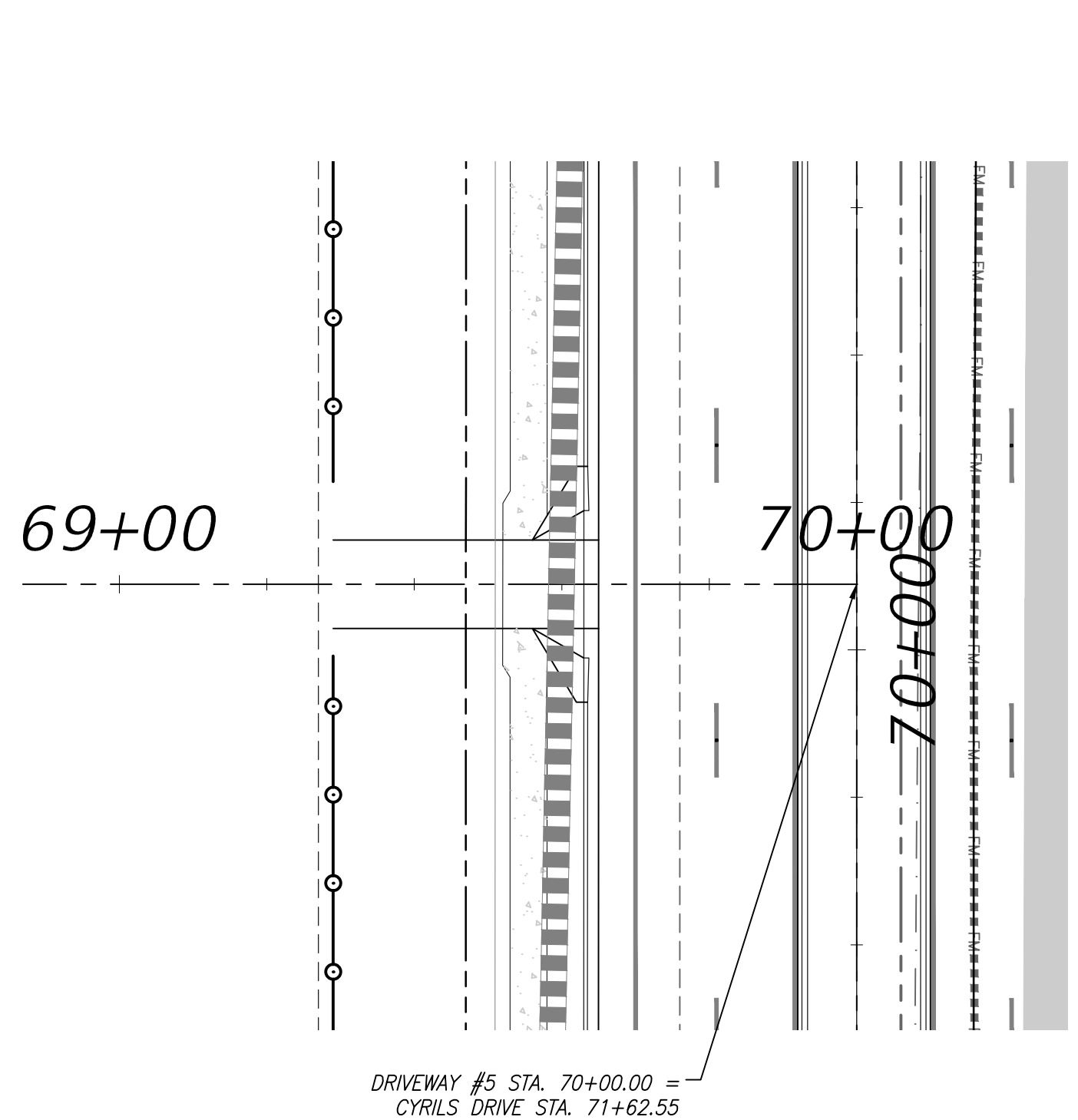
SHEET NO.
 46

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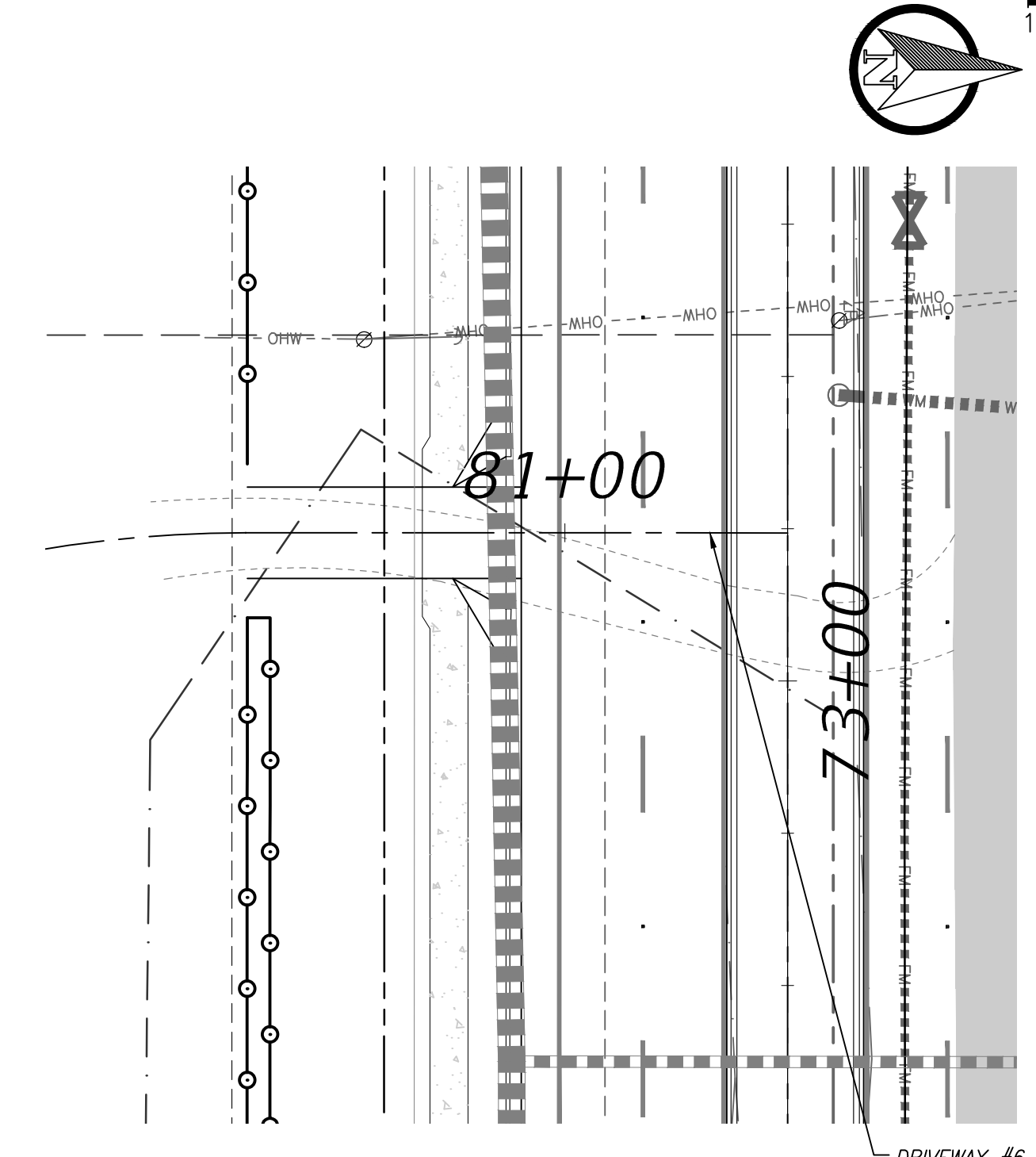
Driveway #4

DRIVEWAY #4 STA. 60+00.00 =
CYRILS DRIVE STA. 62+38.40



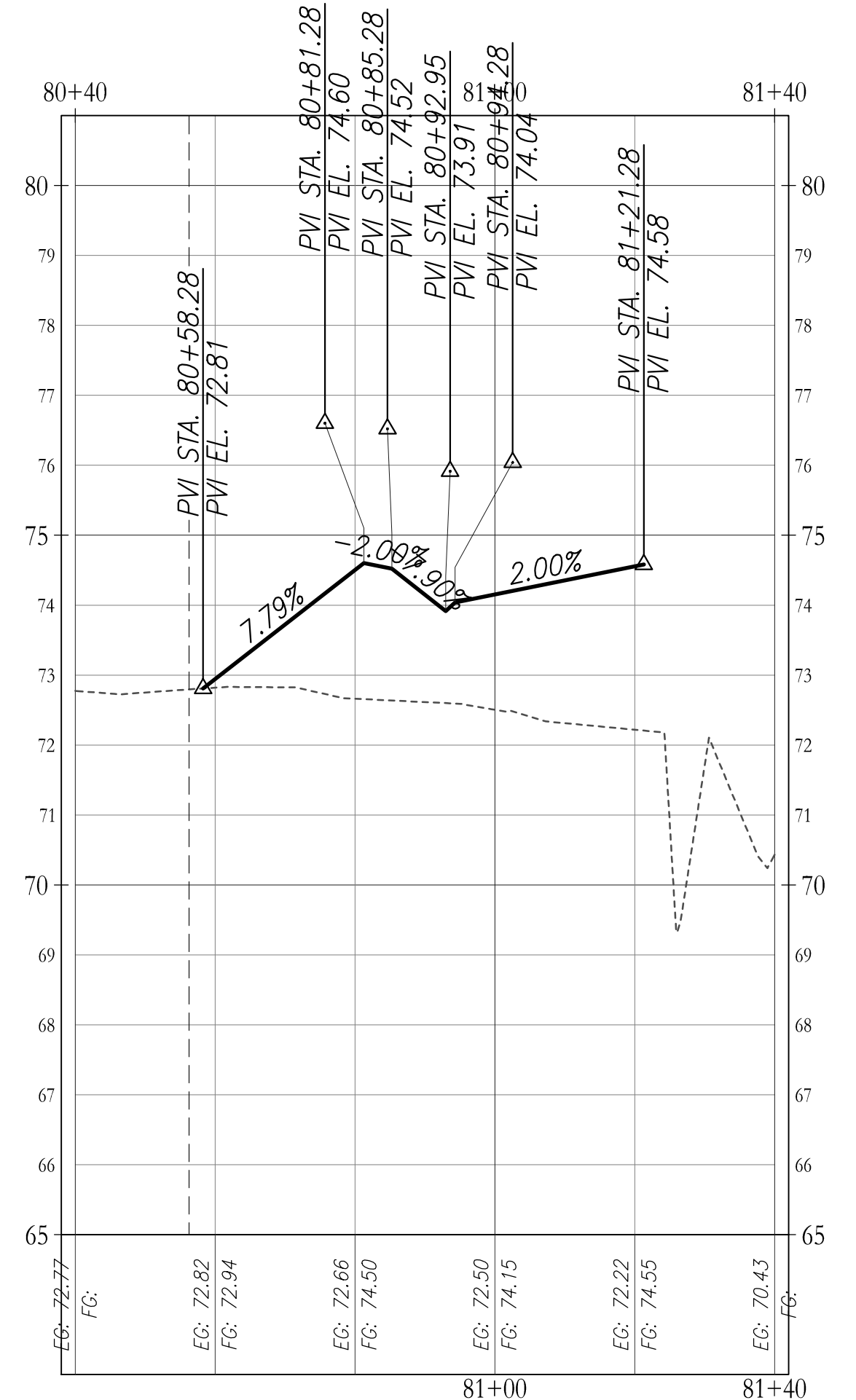
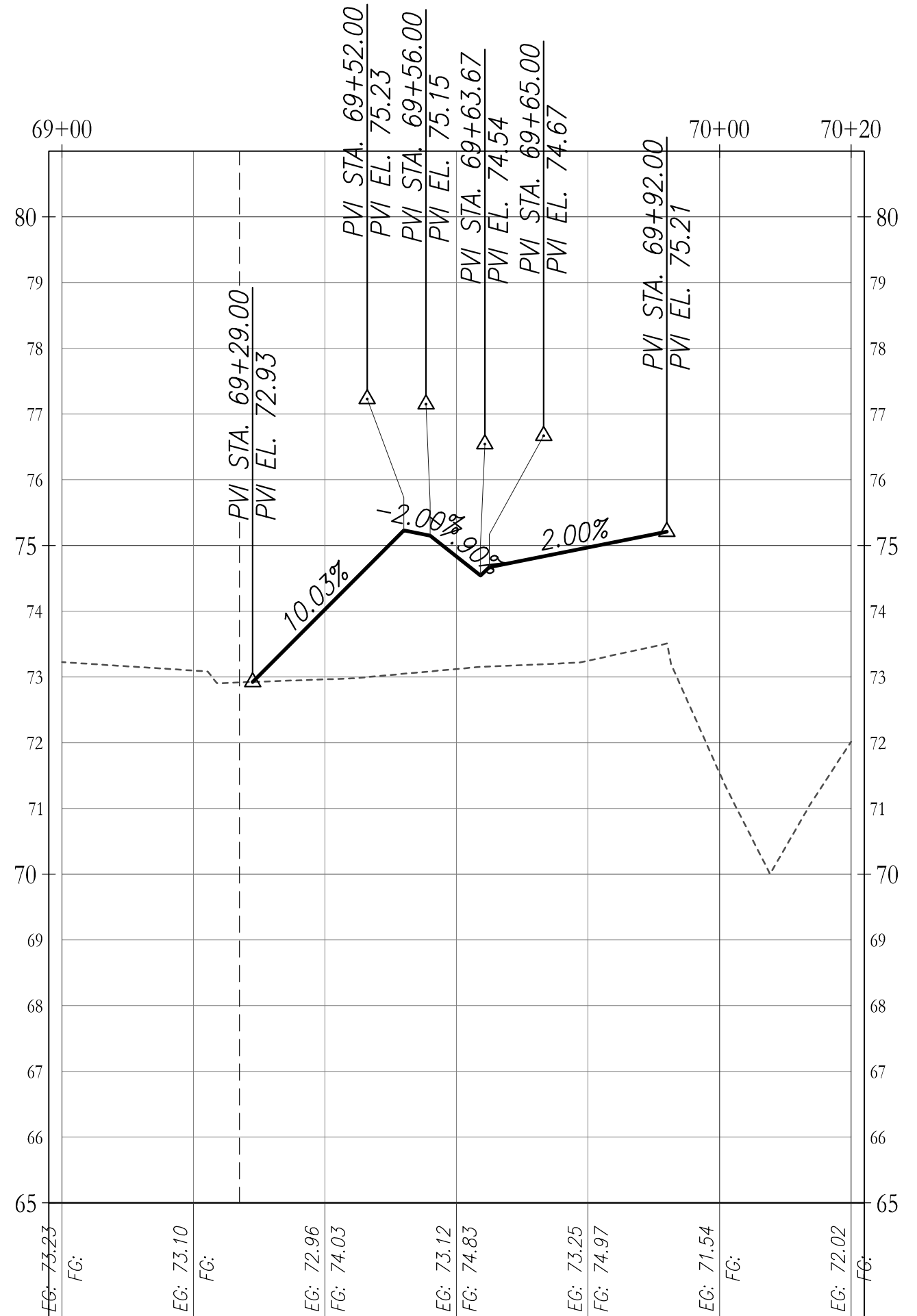
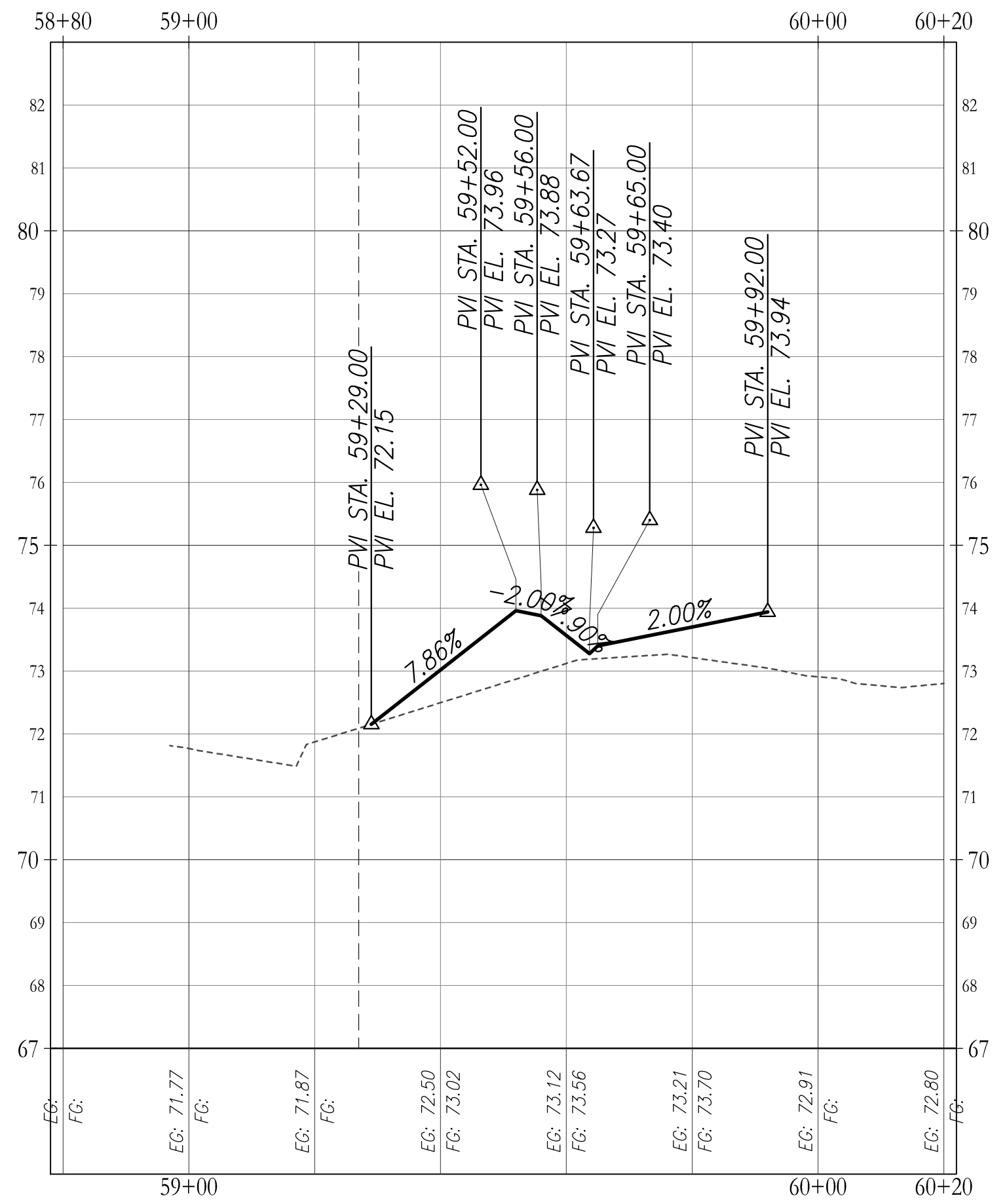
Driveway #5

DRIVEWAY #5 STA. 70+00.00 =
CYRILS DRIVE STA. 71+62.55



Driveway #6

DRIVEWAY #6 STA. 81+29.28 =
CYRILS DRIVE STA. 72+80.56



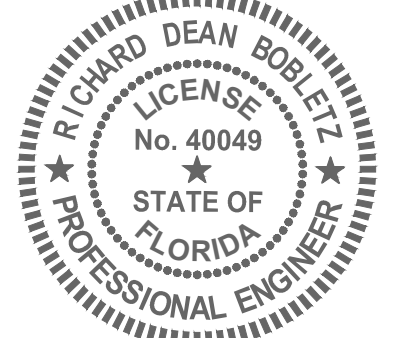
REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

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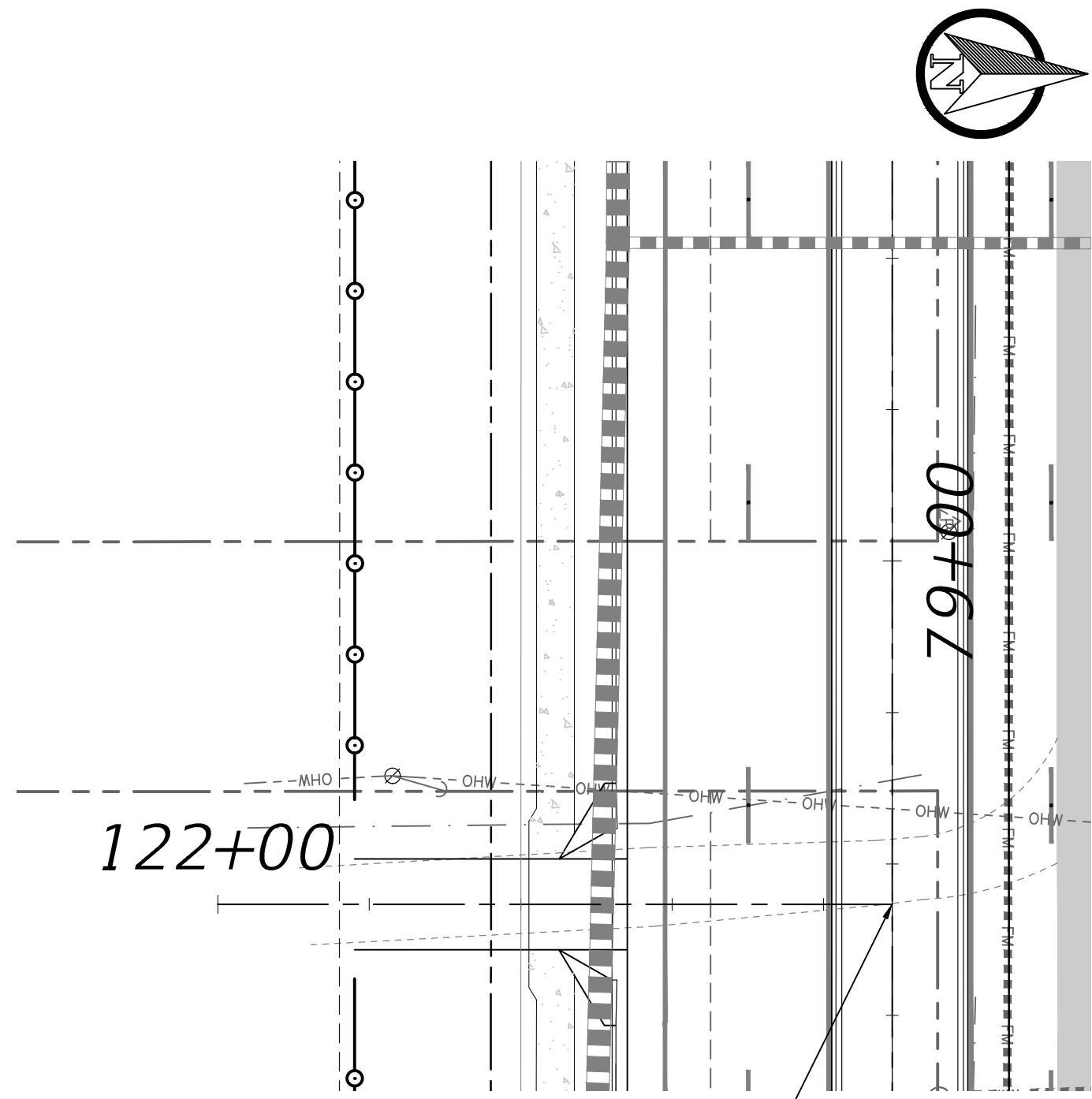
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
DRIVEWAY PROFILES

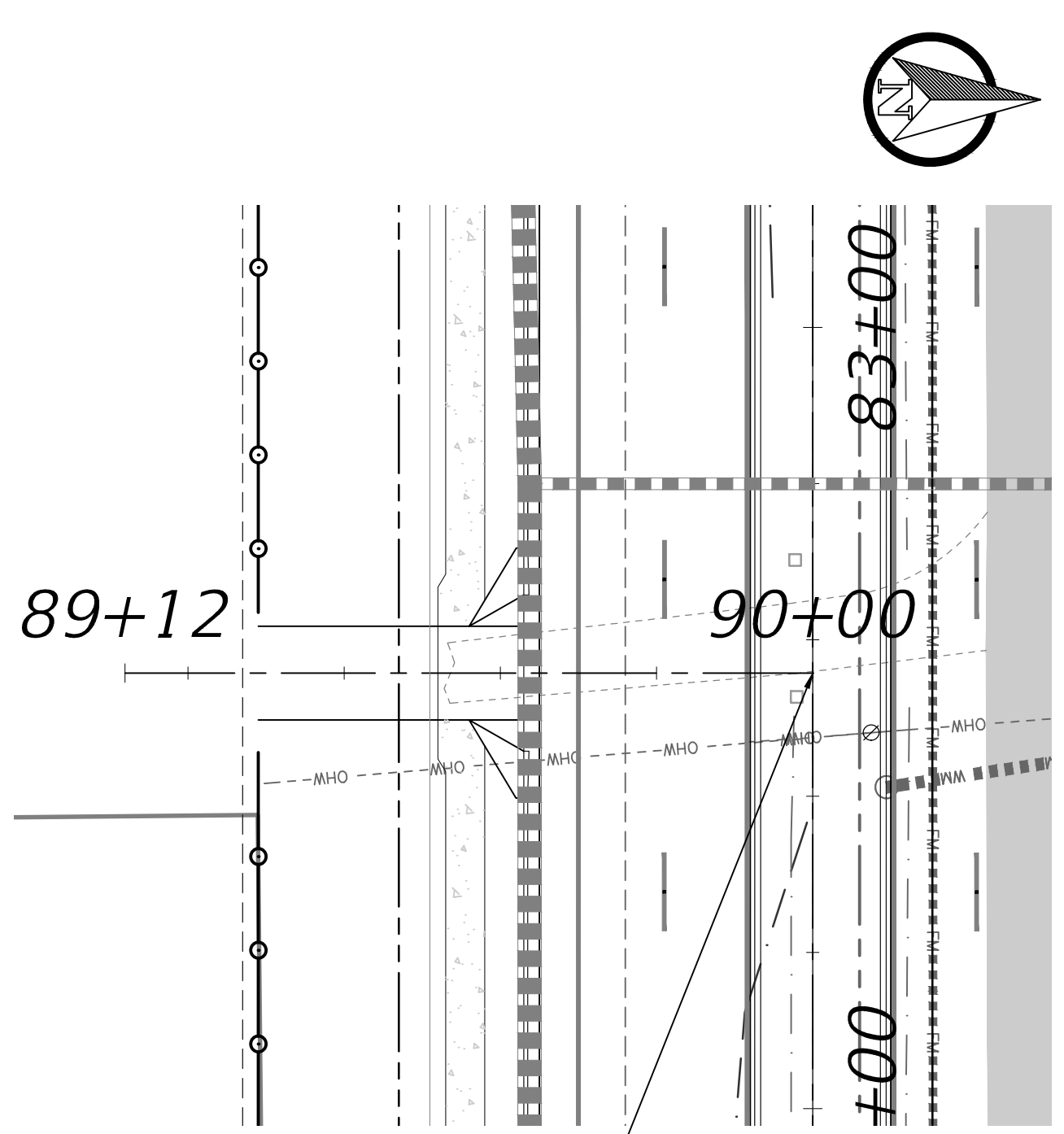


RICHARD DEAN BOBLETZ
LICENSED PROFESSIONAL ENGINEER
No. 40049
STATE OF FLORIDA
DATE: September 27, 2021

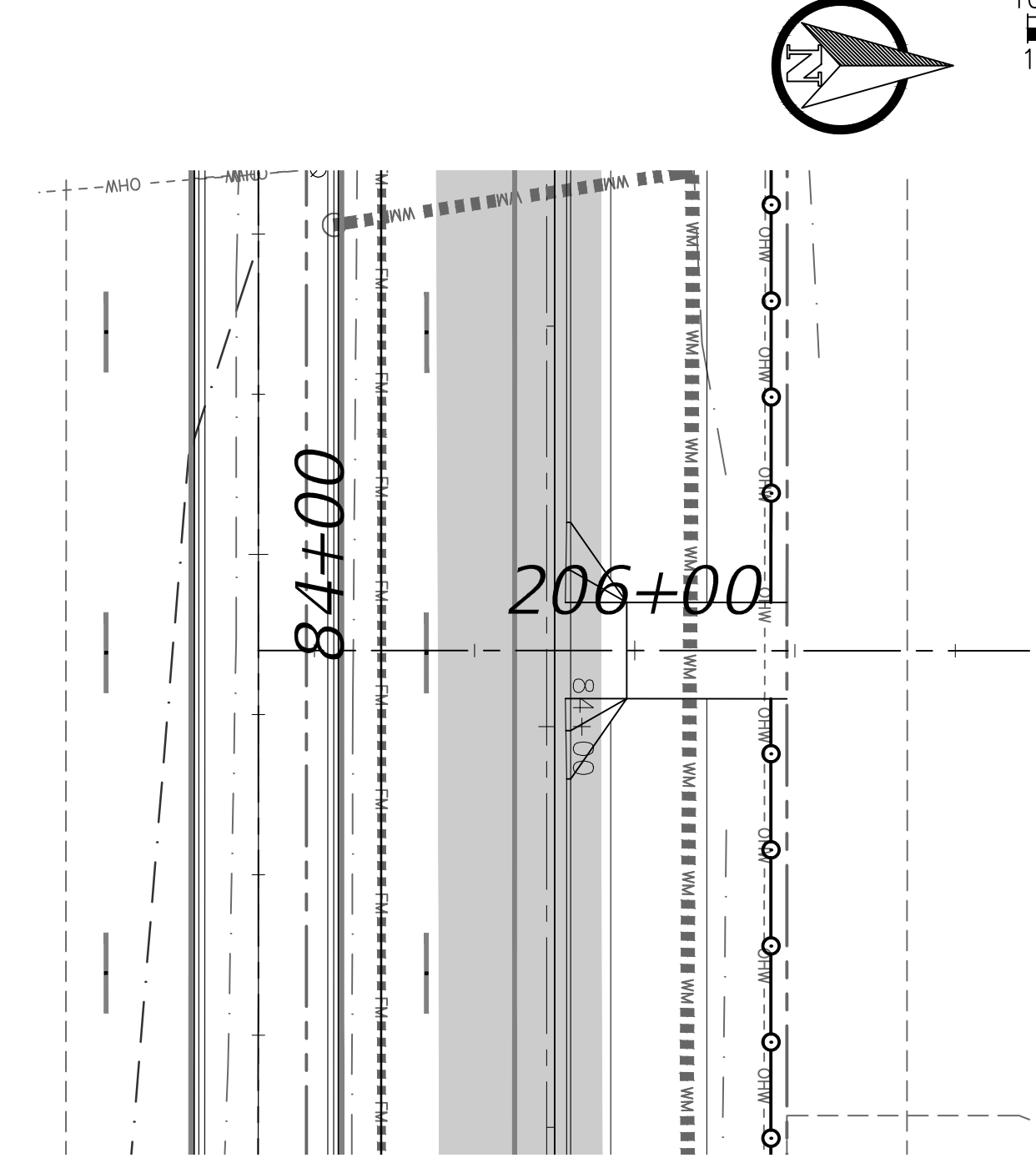
SHEET NO.
47



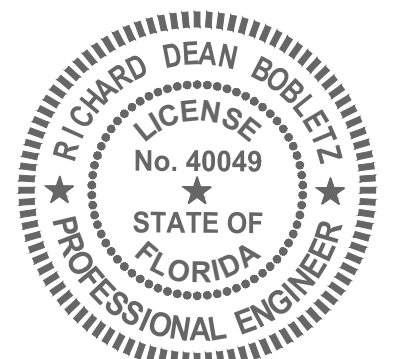
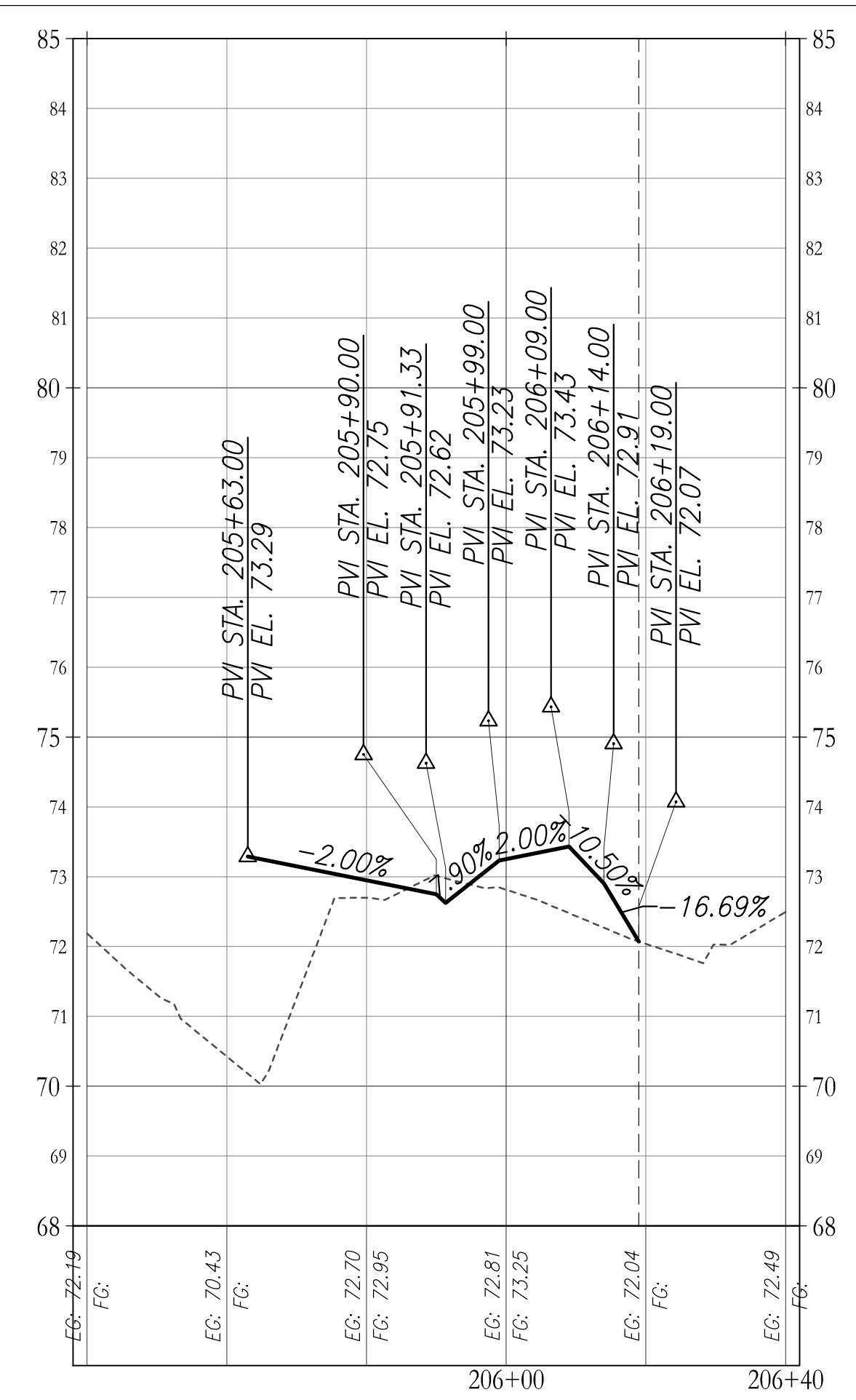
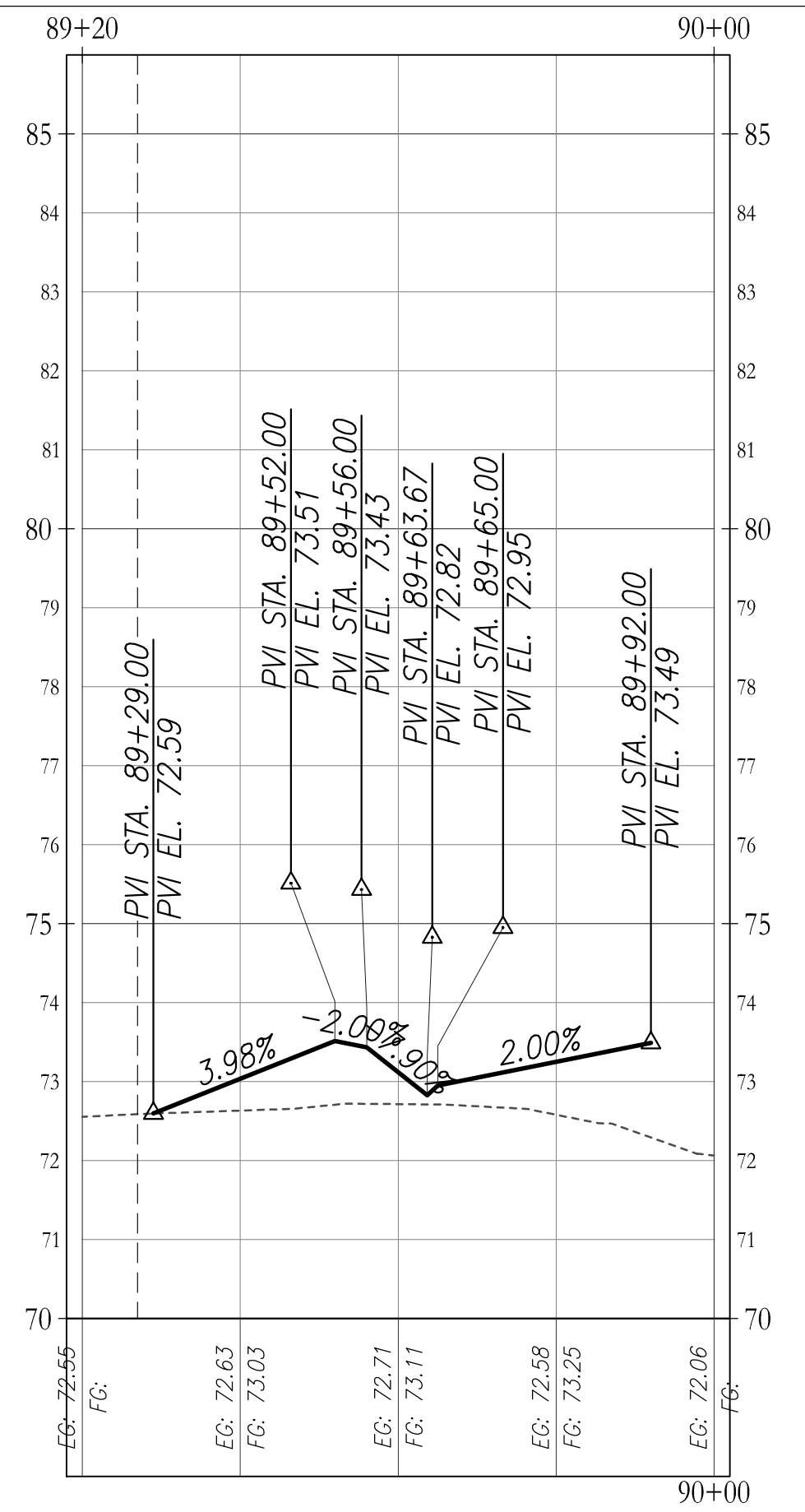
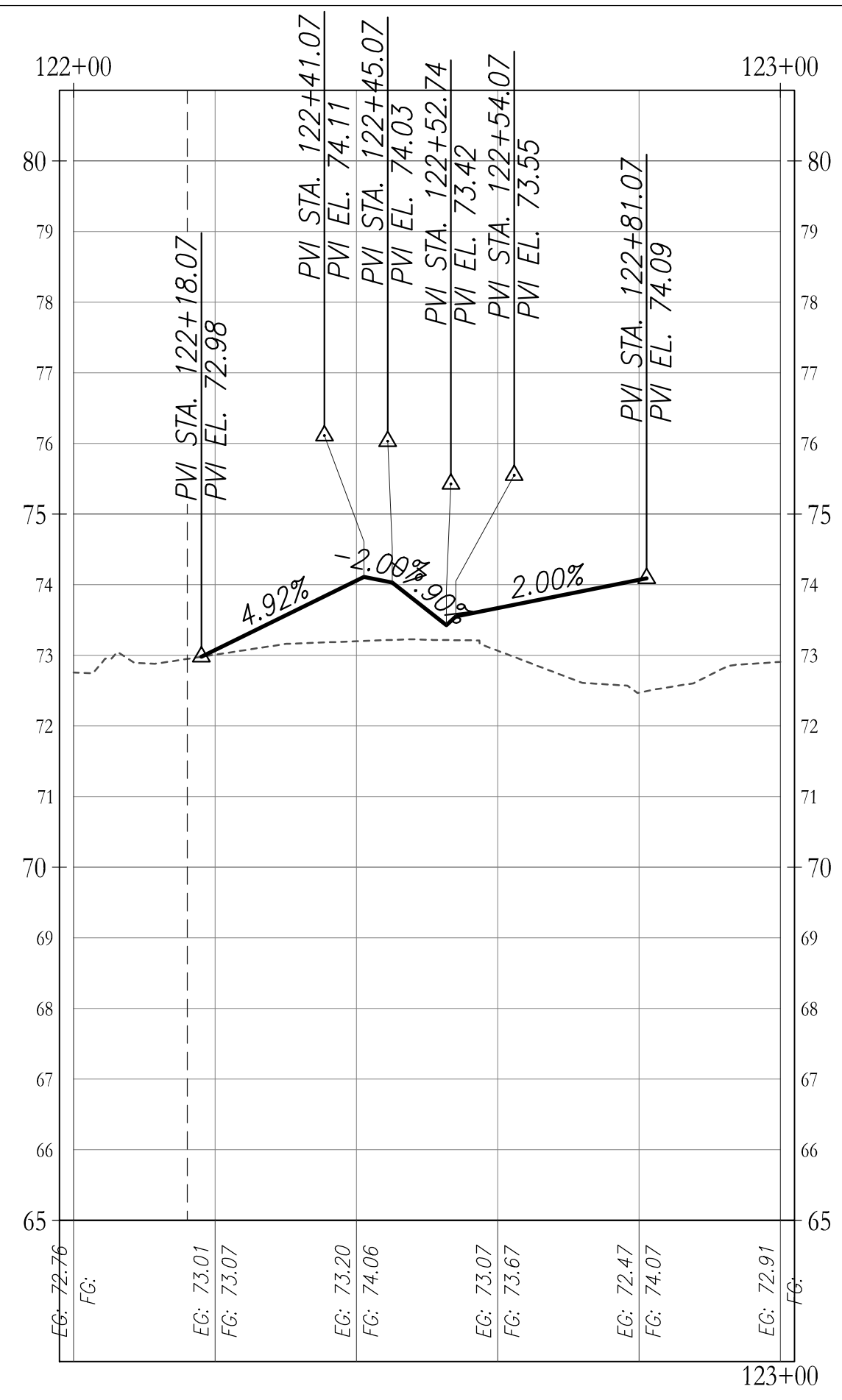
DRIVEWAY #7 STA. 122+89.07 =
CYRILS DRIVE STA. 79+45.36
Driveway #7



DRIVEWAY #8 STA. 90+00.00 =
CYRILS DRIVE STA. 83+44.26
Driveway #8



Driveway #9



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LICENSED PROFESSIONAL ENGINEER
No. 40049
STATE OF FLORIDA
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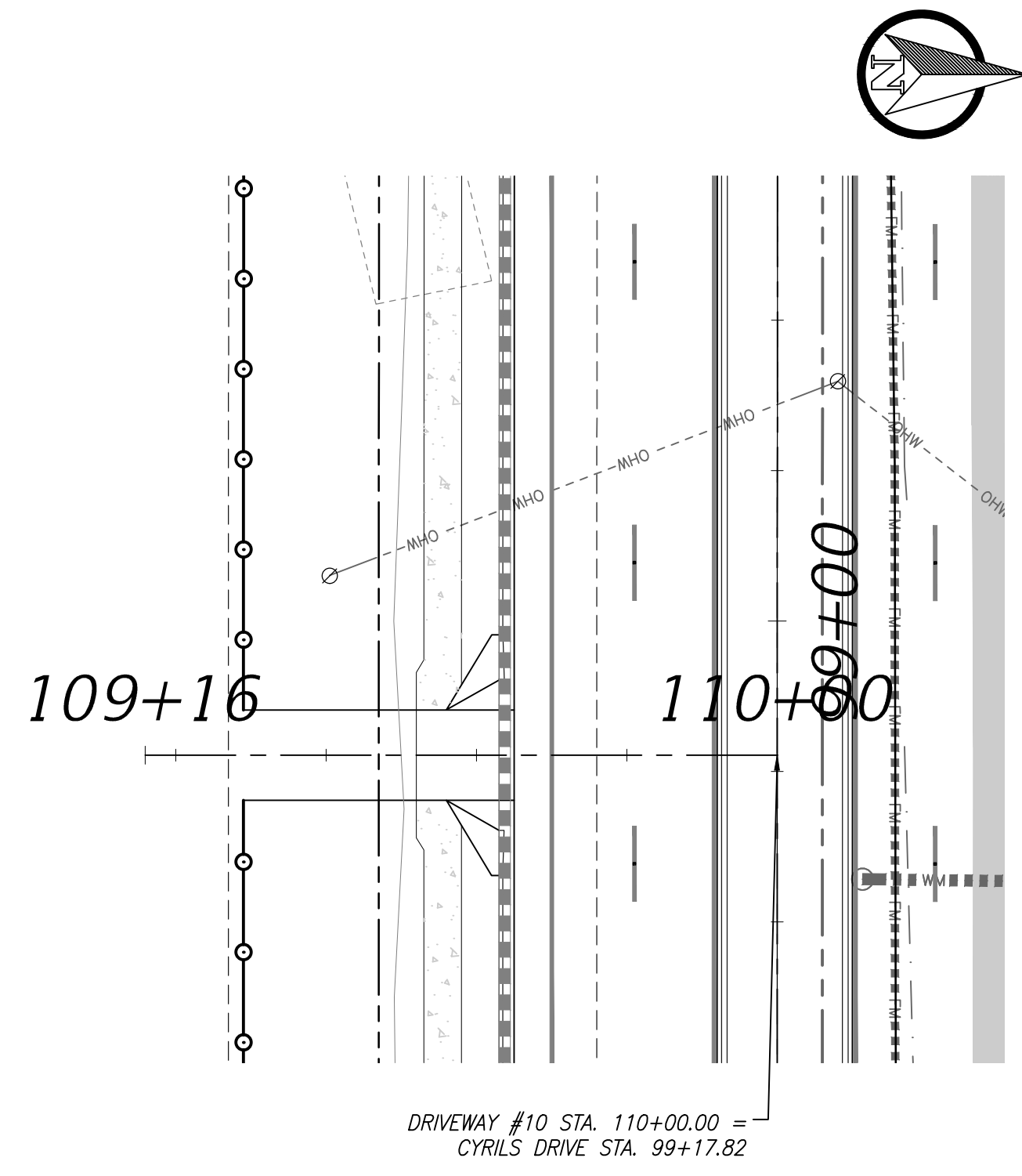
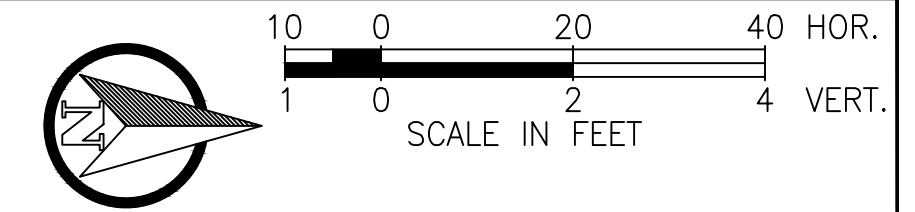
REVISIONS			
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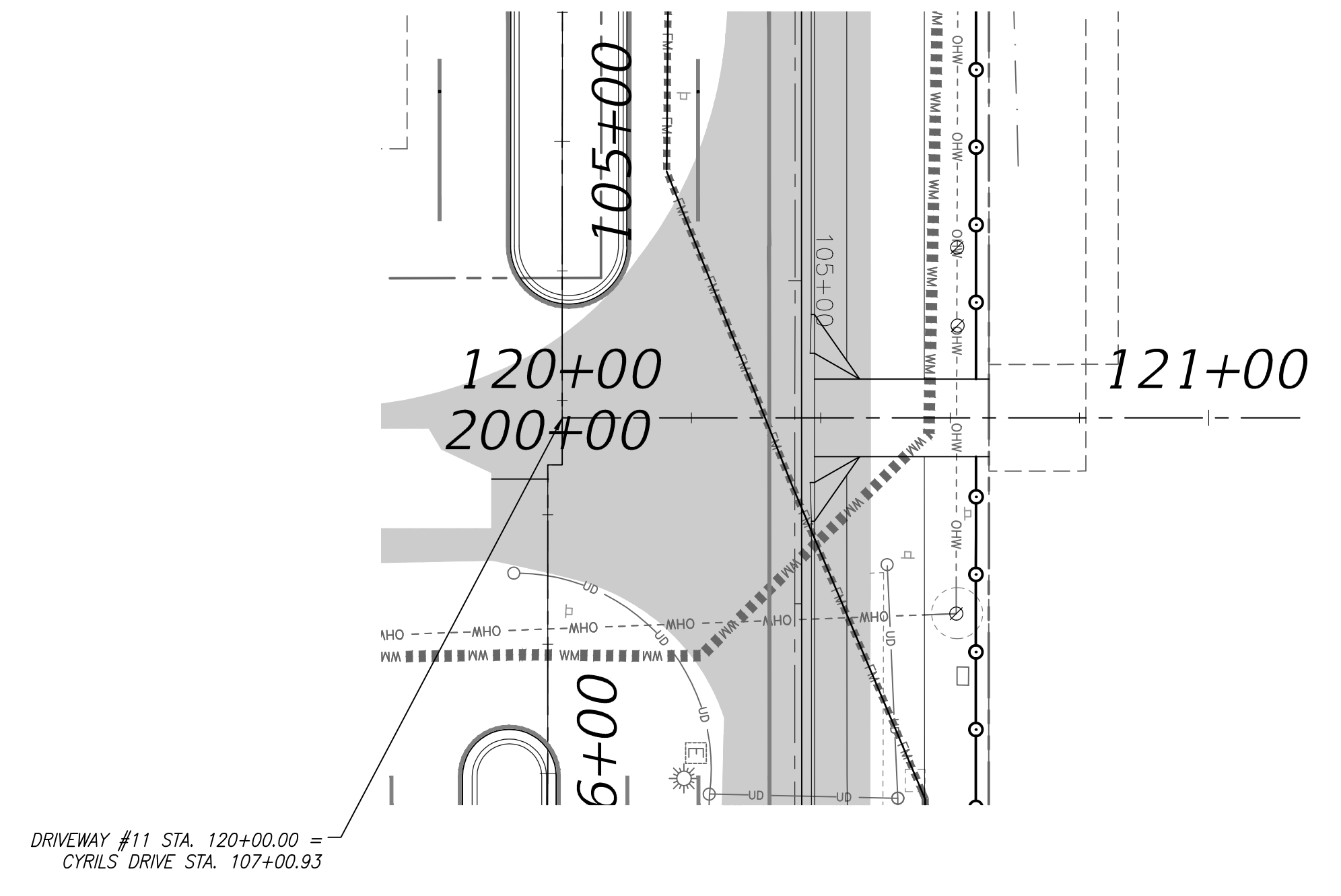
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
DRIVEWAY PROFILES

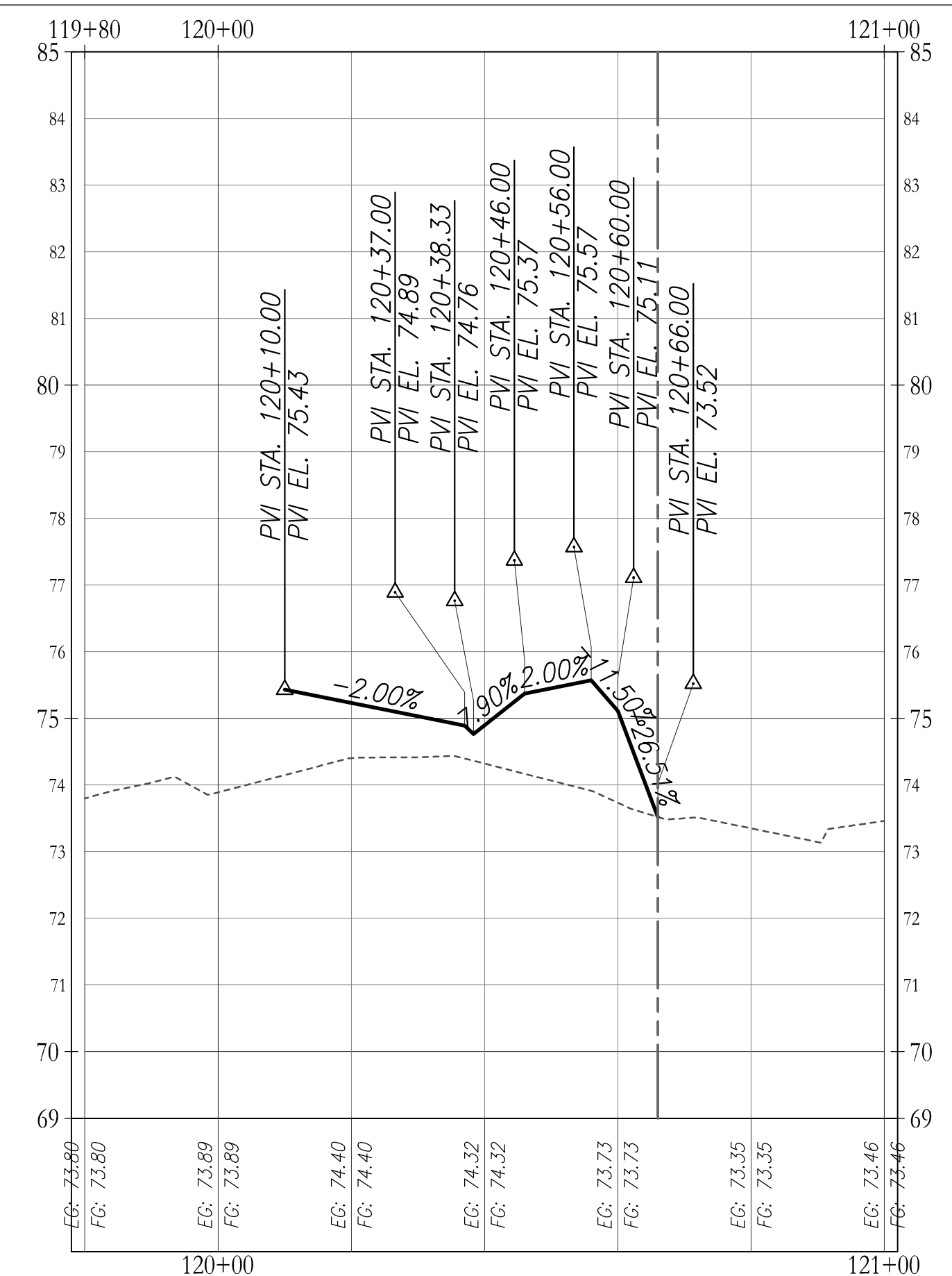
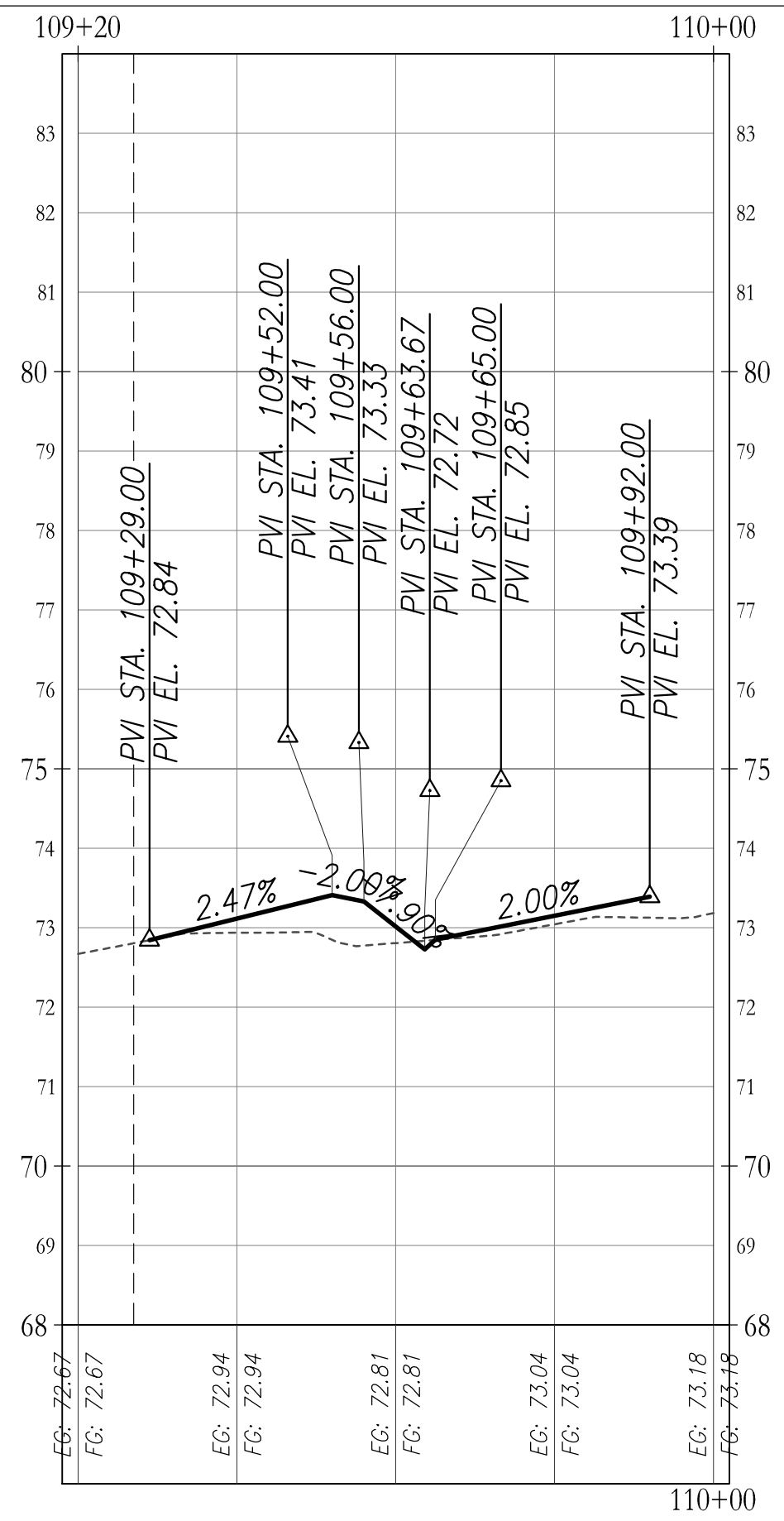
SHEET NO.
48



Driveway #10



Driveway #11



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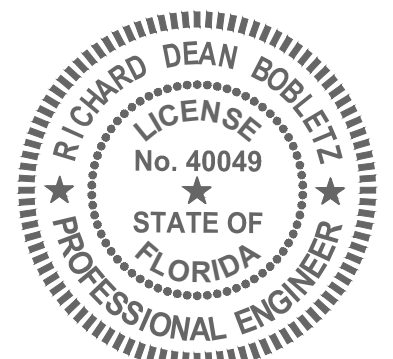
REVISIONS

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OSCEOLA COUNTY
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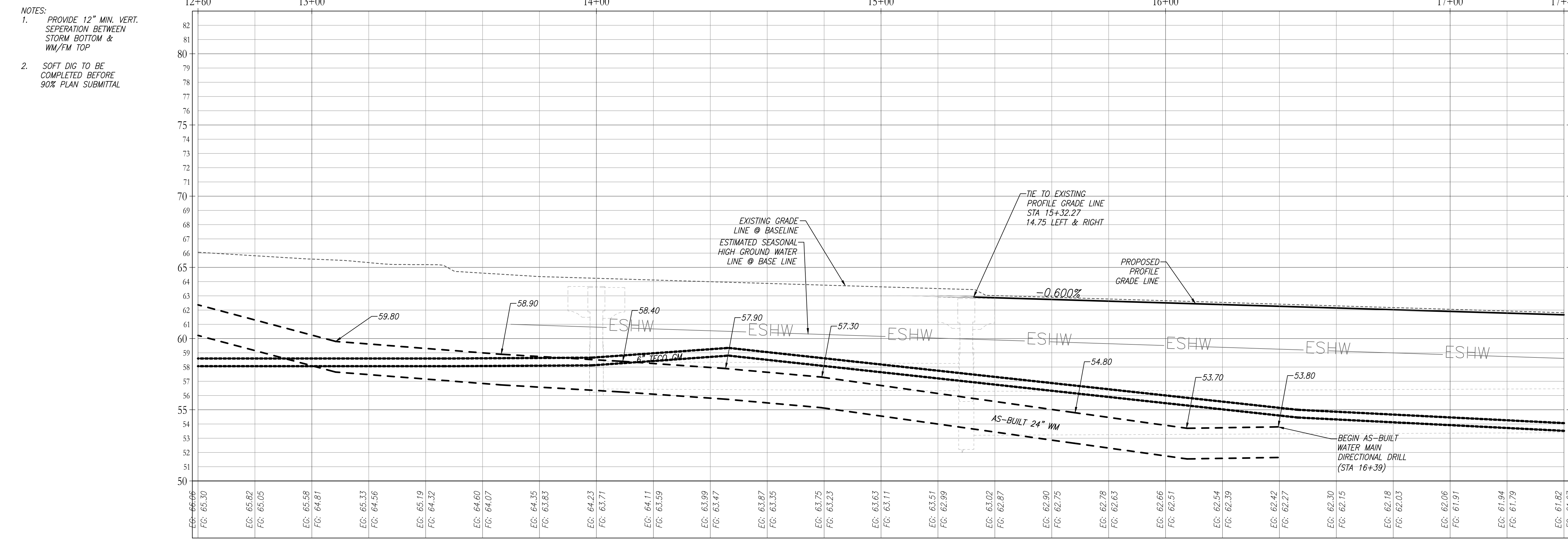
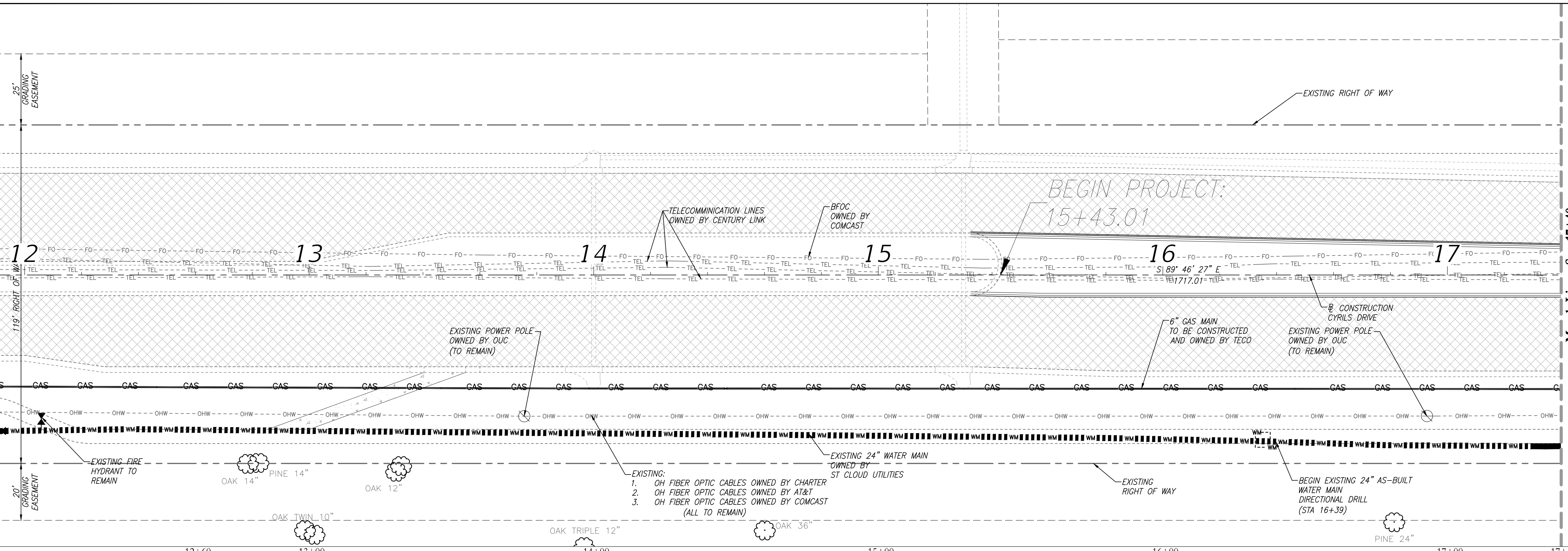
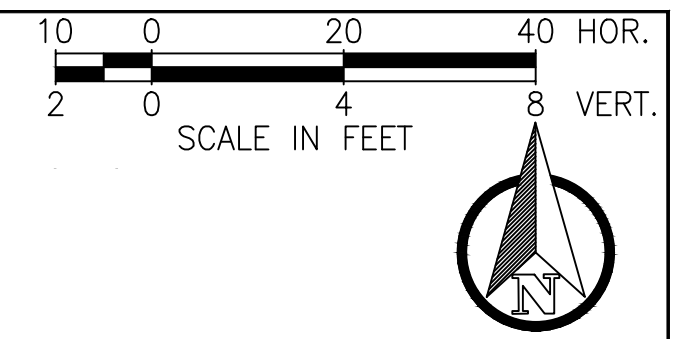
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 DRIVEWAY PROFILES



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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
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- NOTES:
1. PROVIDE 12" MIN. VERT. SEPERATION BETWEEN STORM BOTTOM & WM/FM TOP
 2. SOFT DIG TO BE COMPLETED BEFORE 90% PLAN SUBMITTAL

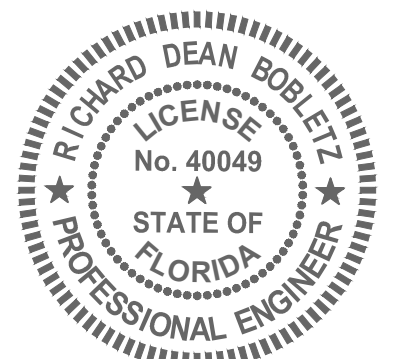
REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS



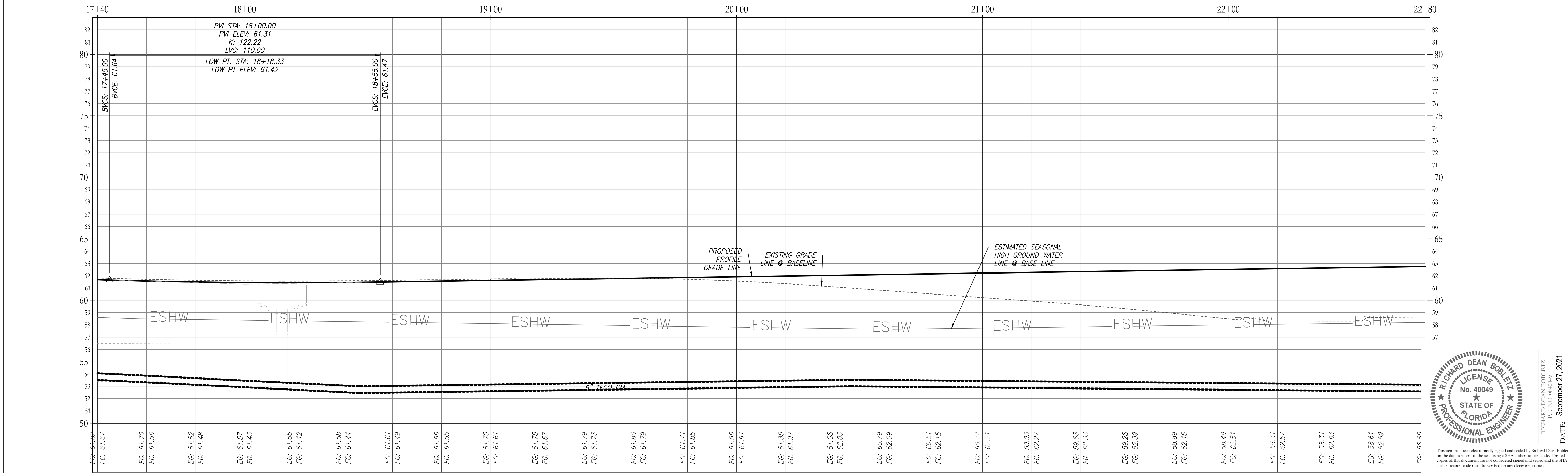
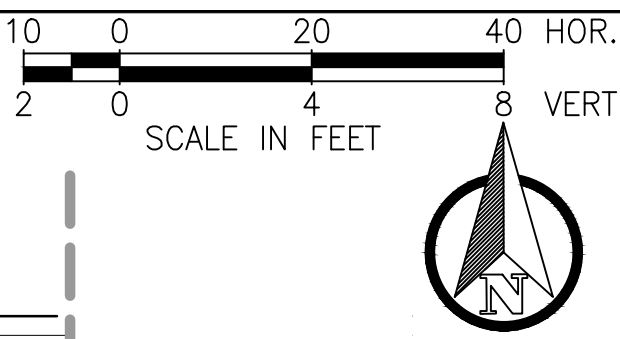
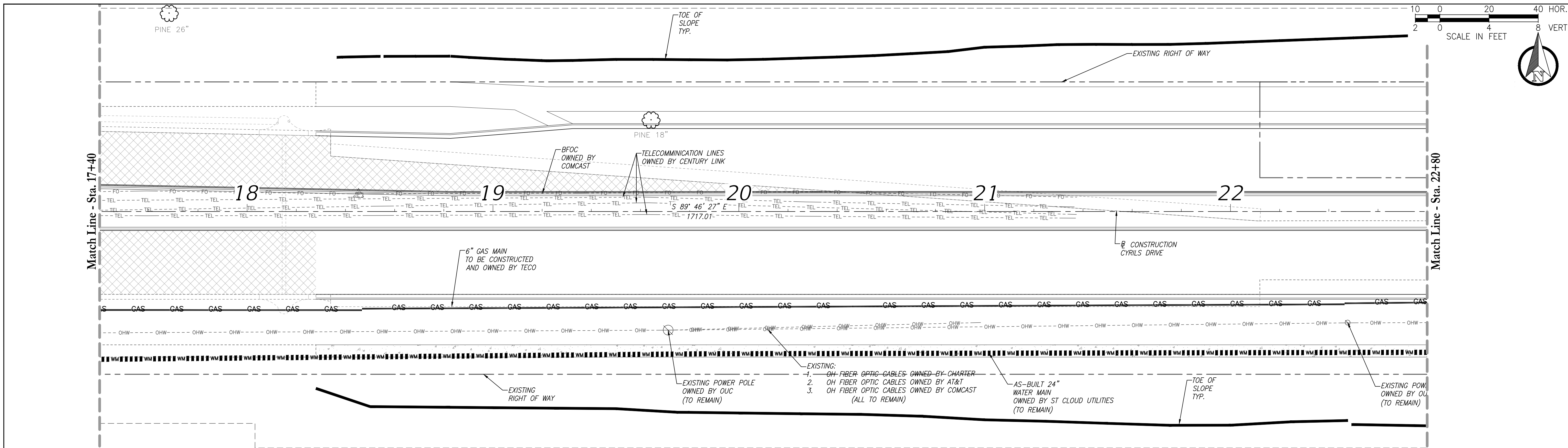
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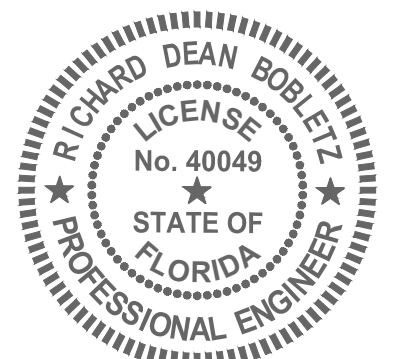
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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 UTILITY ADJUSTMENT SHEETS

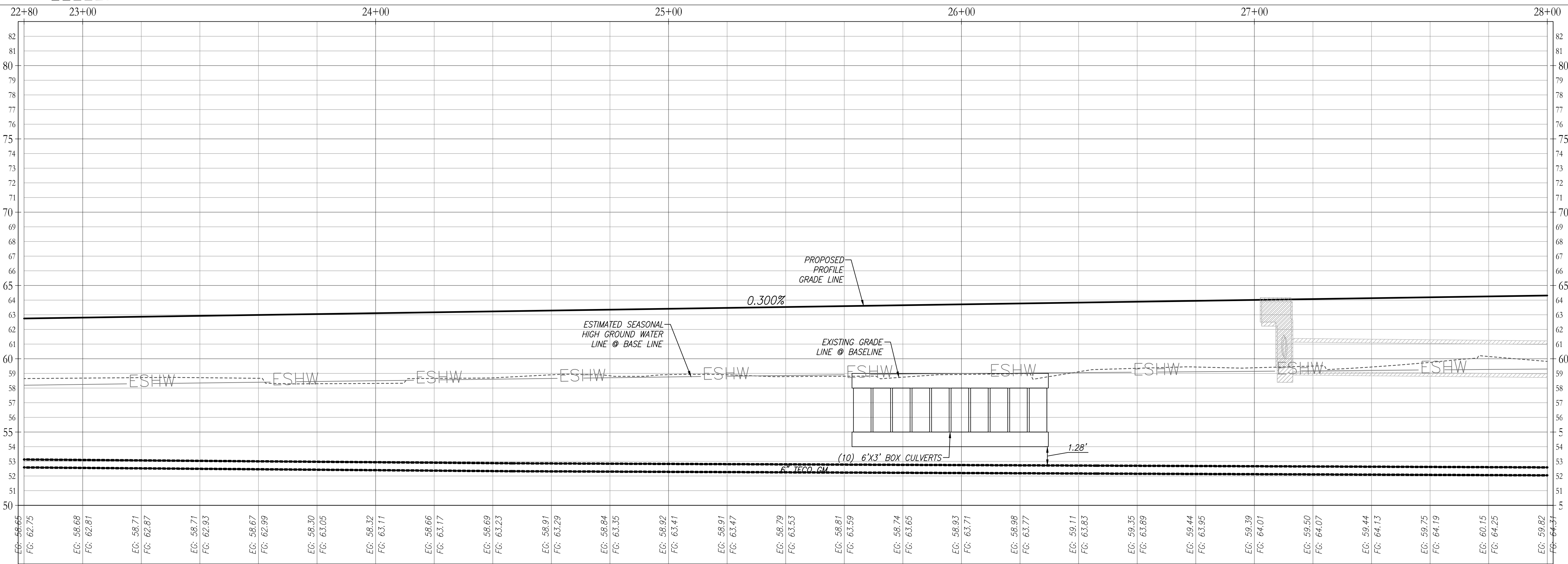
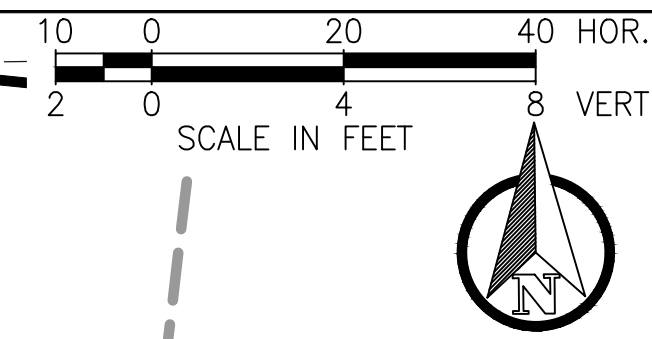
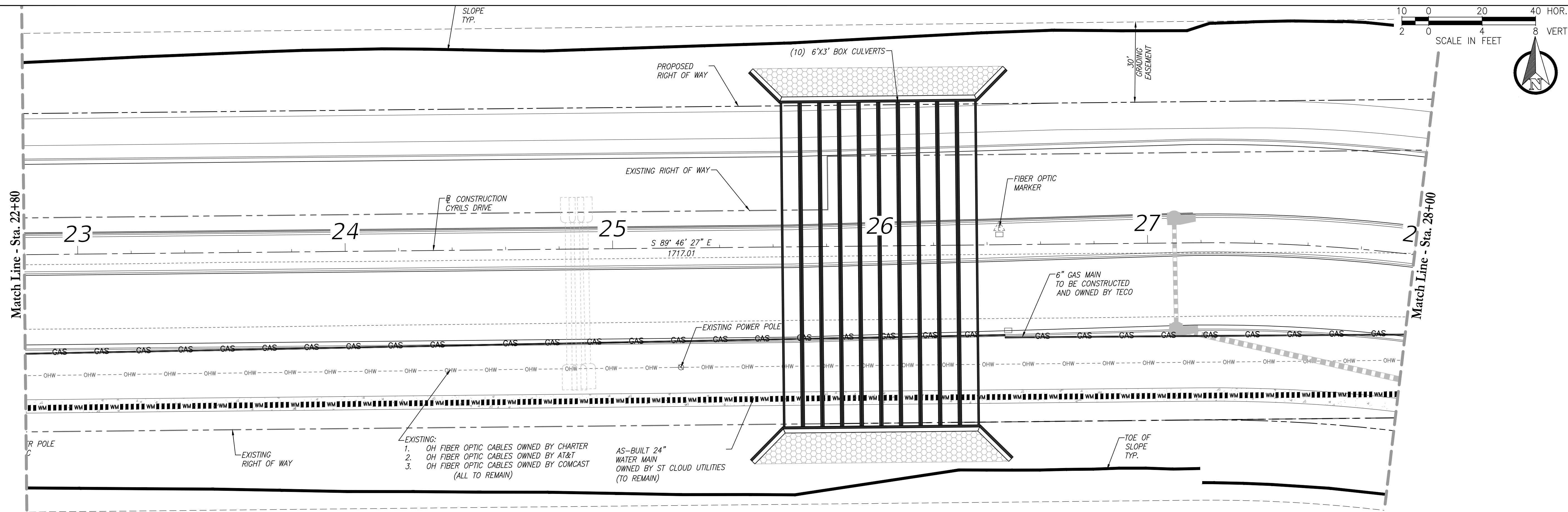
SHEET NO.
 51



RICHARD DEAN BOBLETZ
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 No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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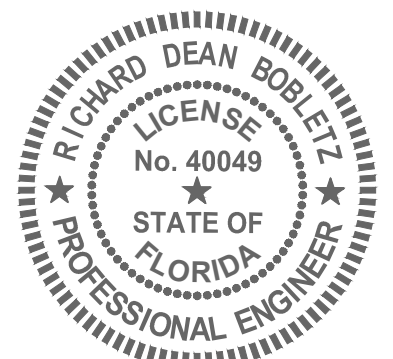
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 PROJECT NO. (XXXX)

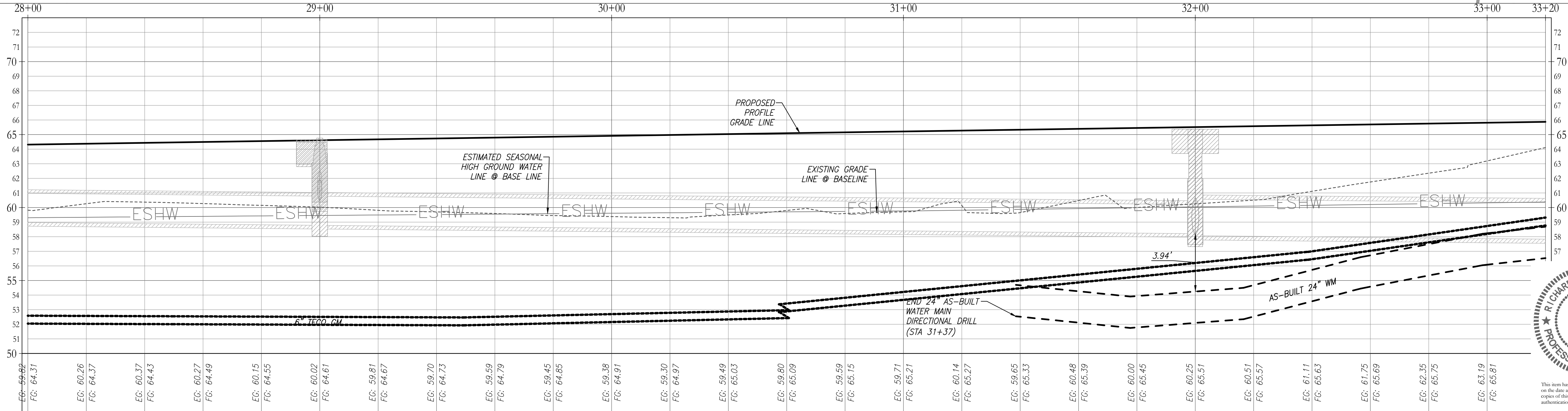
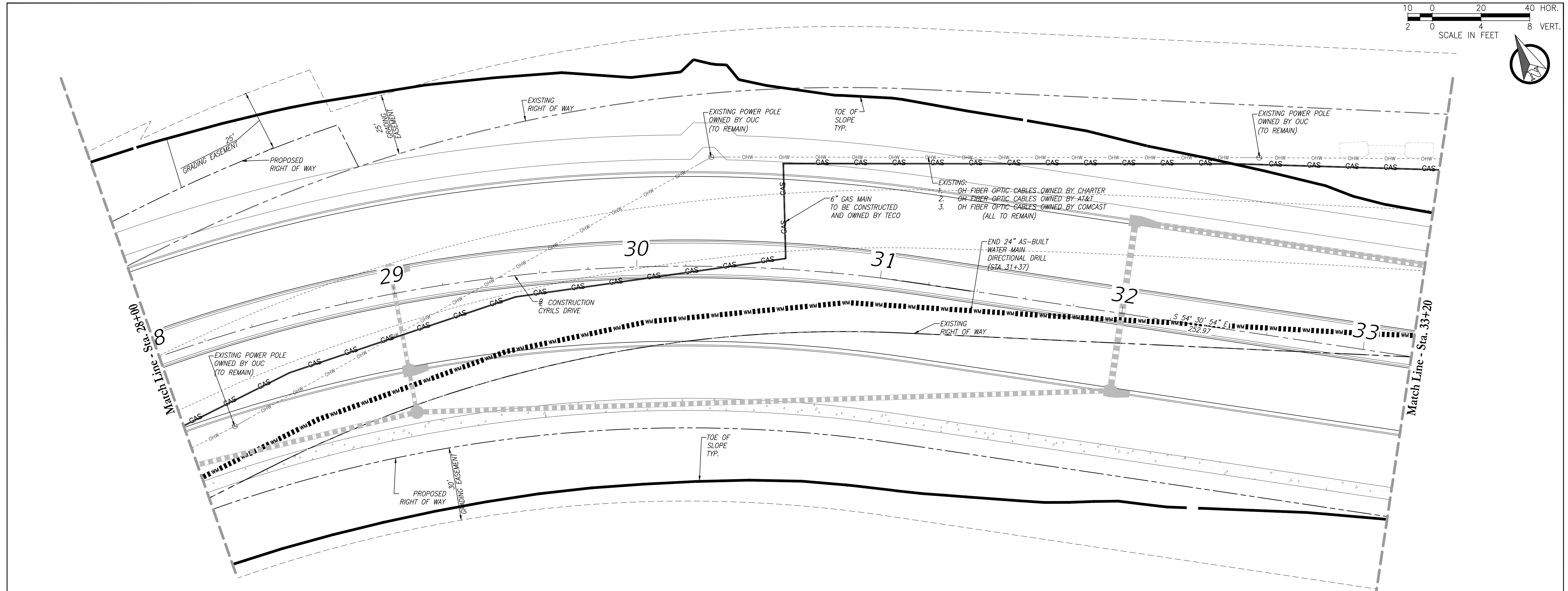
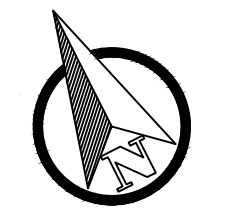
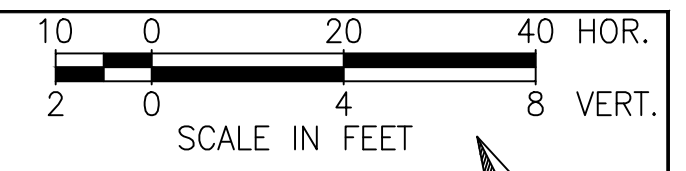
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS

SHEET NO.
 52



RICHARD DEAN BOBLETZ
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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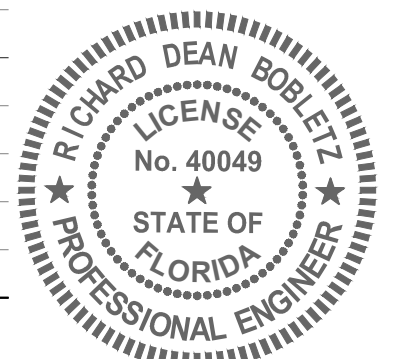
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DATE	DESCRIPTION	DATE	DESCRIPTION
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 UTILITY ADJUSTMENT SHEETS

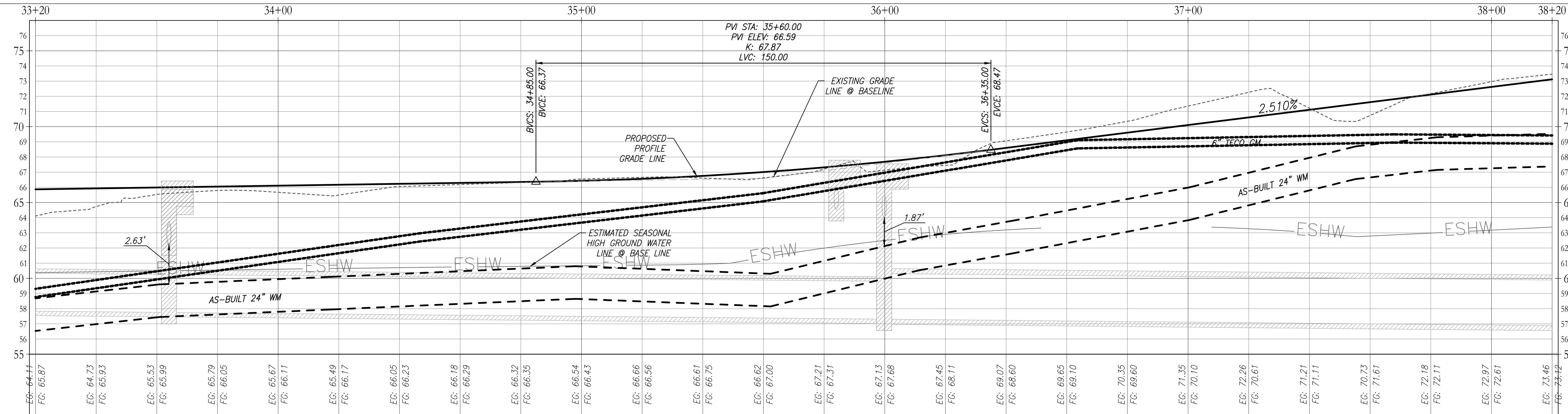
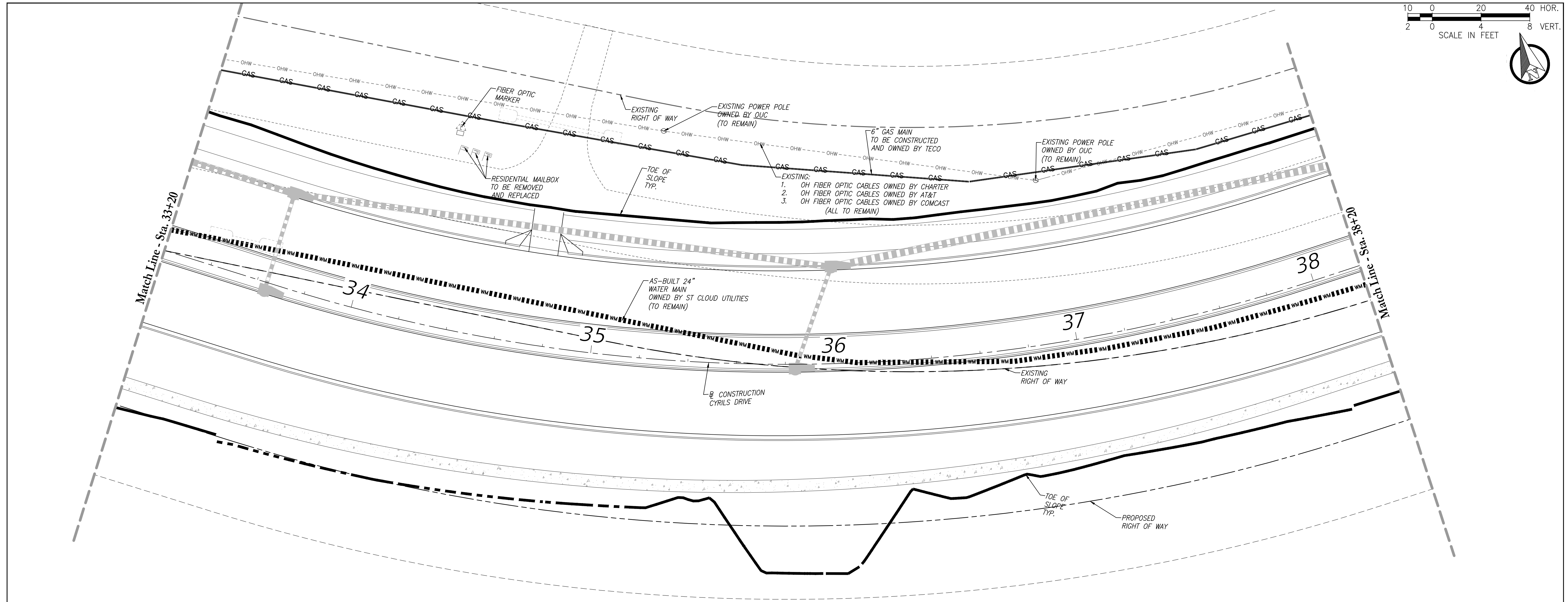
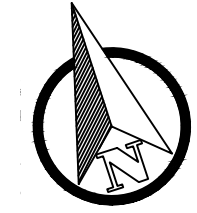
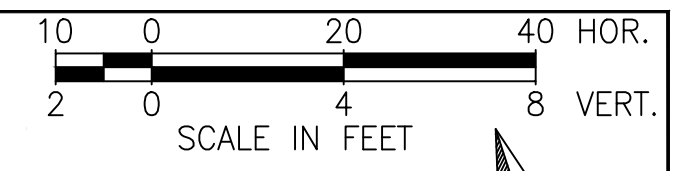
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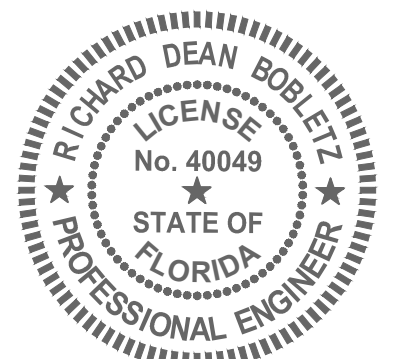
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RICHARD DEAN BOBLETZ
LICENSED PROFESSIONAL ENGINEER
No. 40049
STATE OF FLORIDA
September 27, 2021
DATE:

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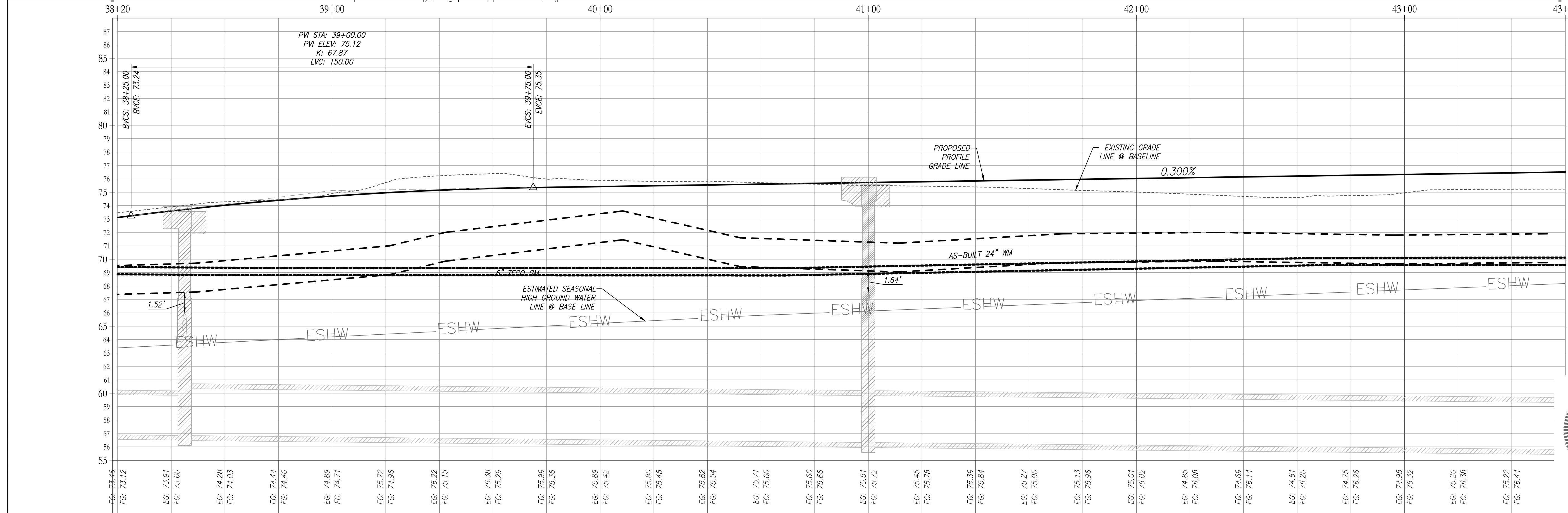
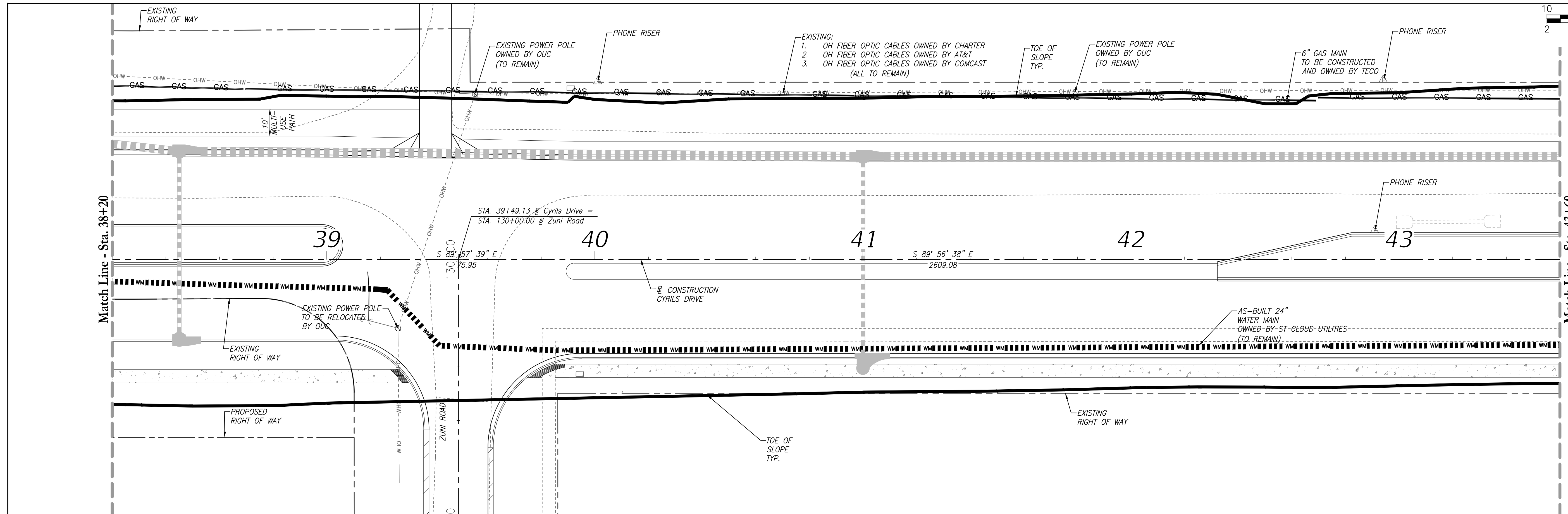
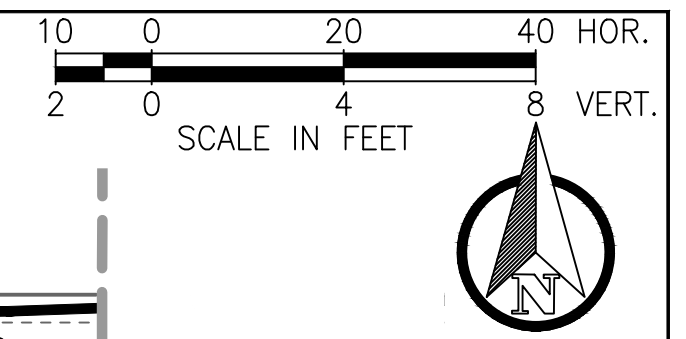
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PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
UTILITY ADJUSTMENT SHEETS**

SHEET
NO.

54



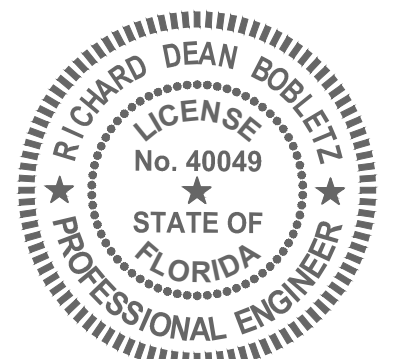
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

SHEET NO.
 55

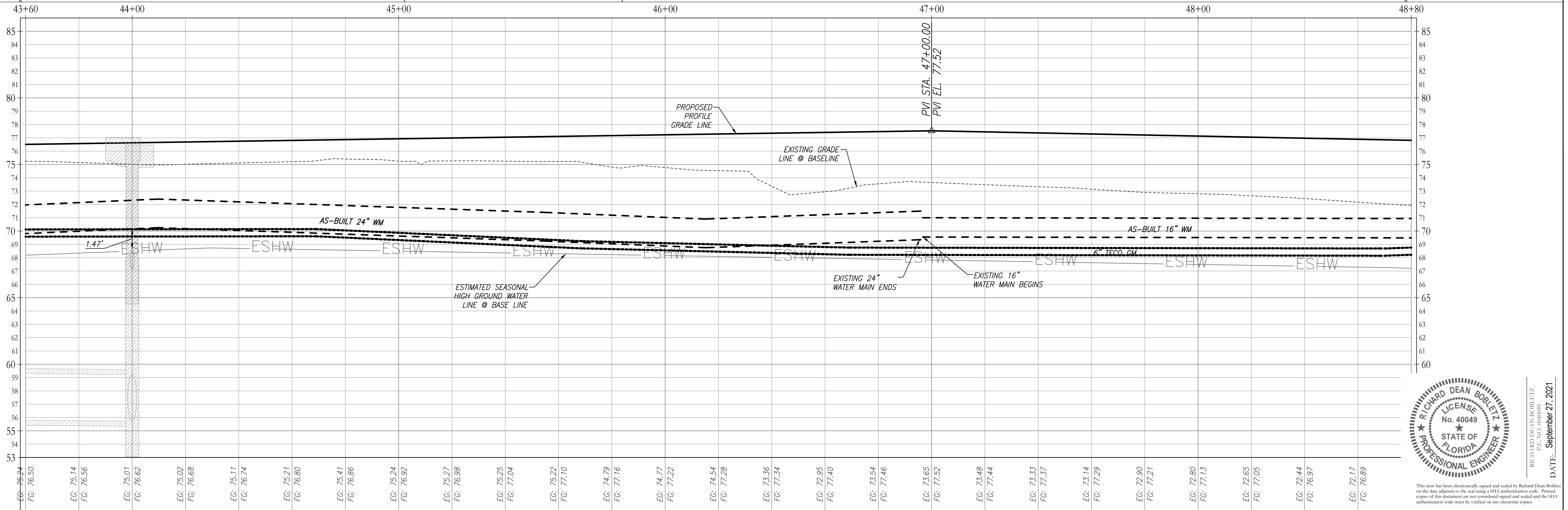
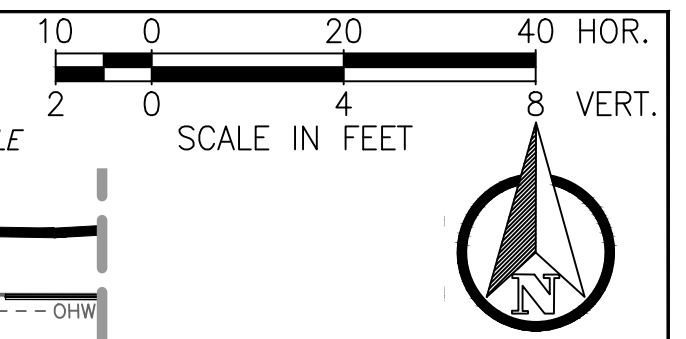
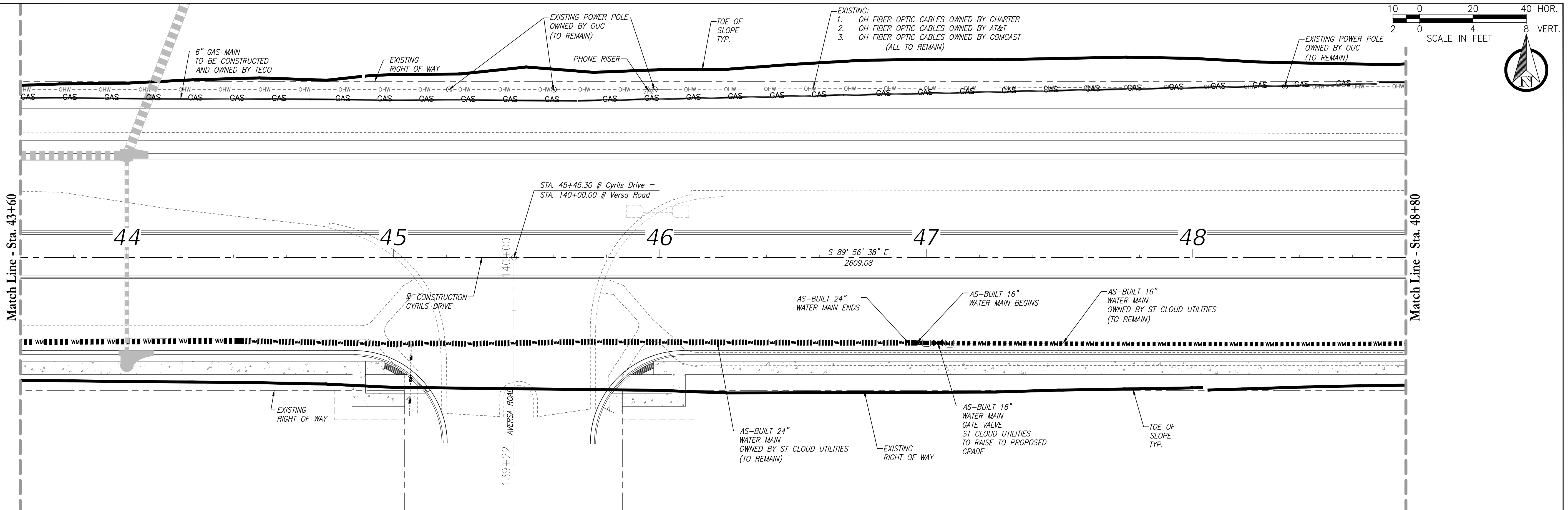


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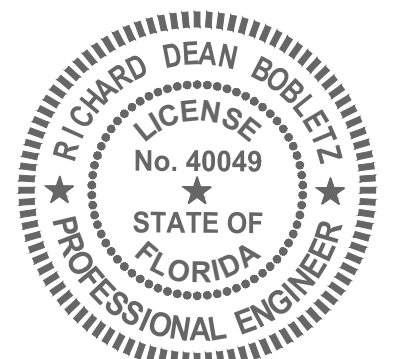
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 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS

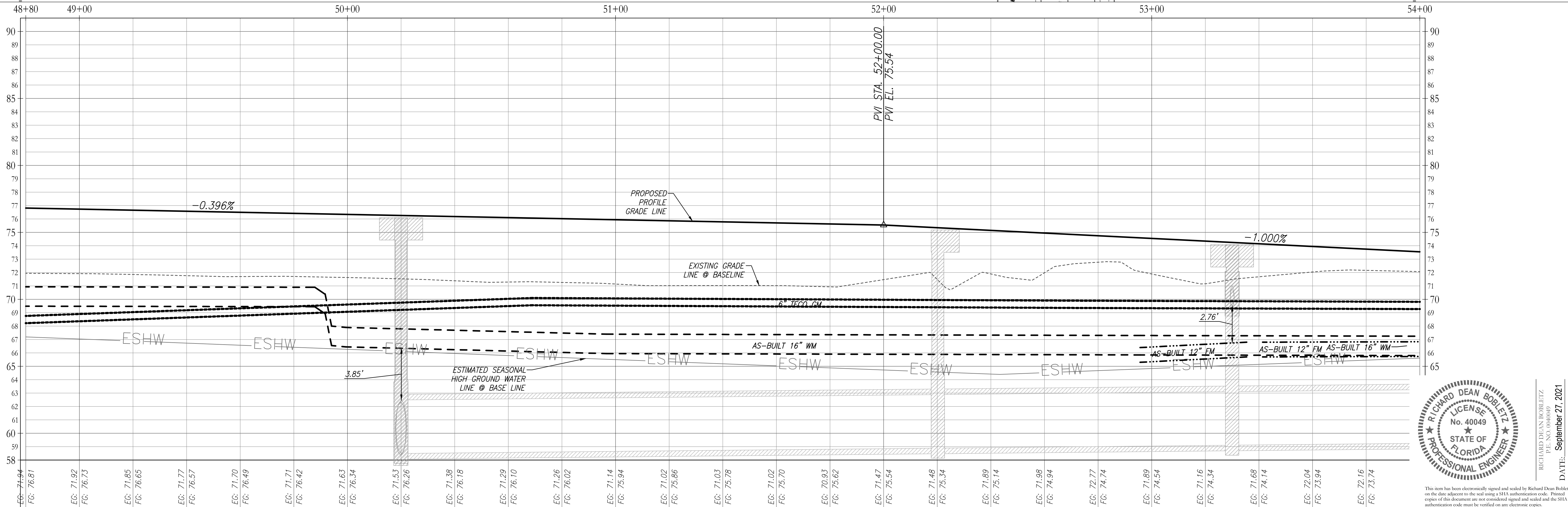
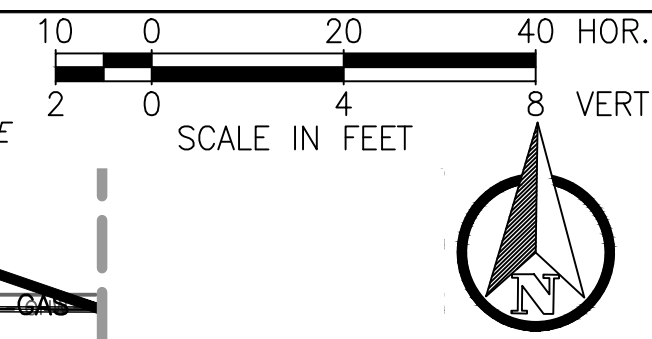
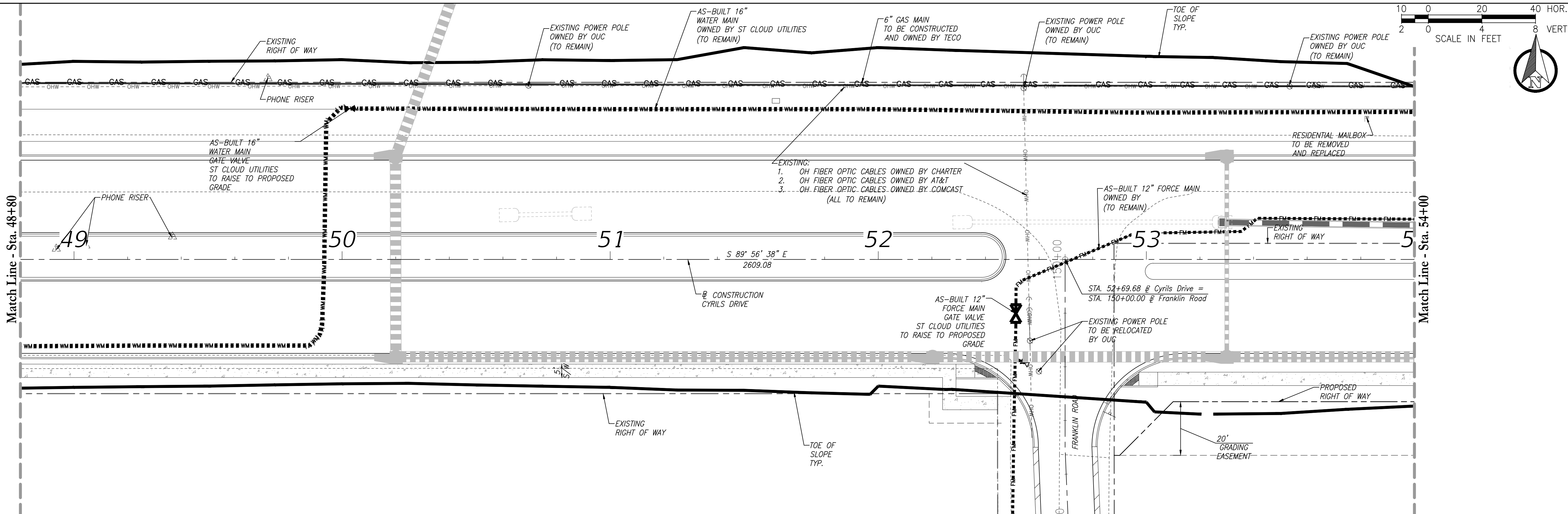
SHEET NO.
 56



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 DATE: September 27, 2021

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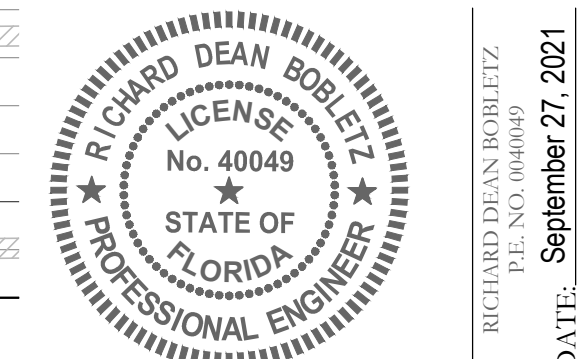
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DATE	DESCRIPTION	DATE	DESCRIPTION
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

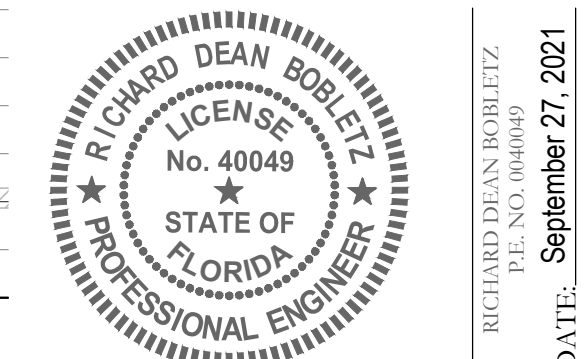
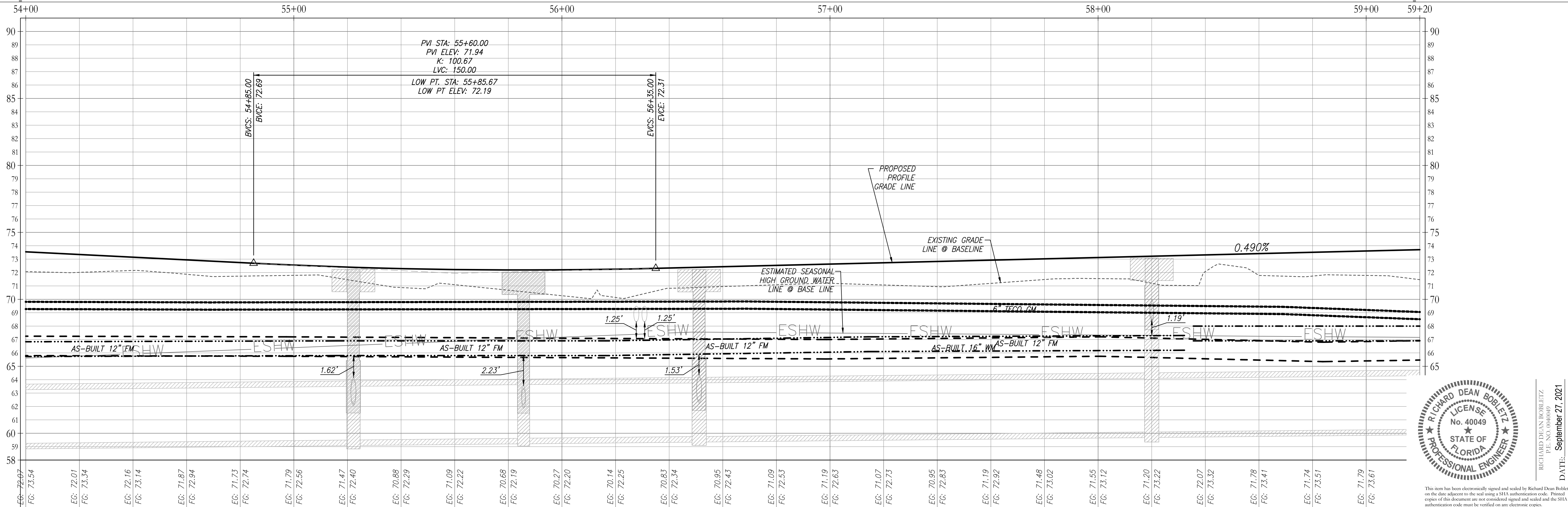
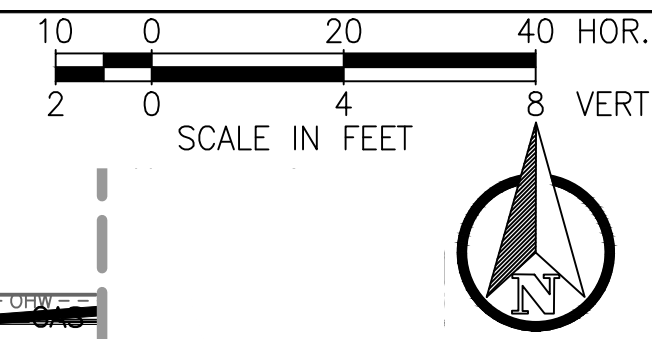
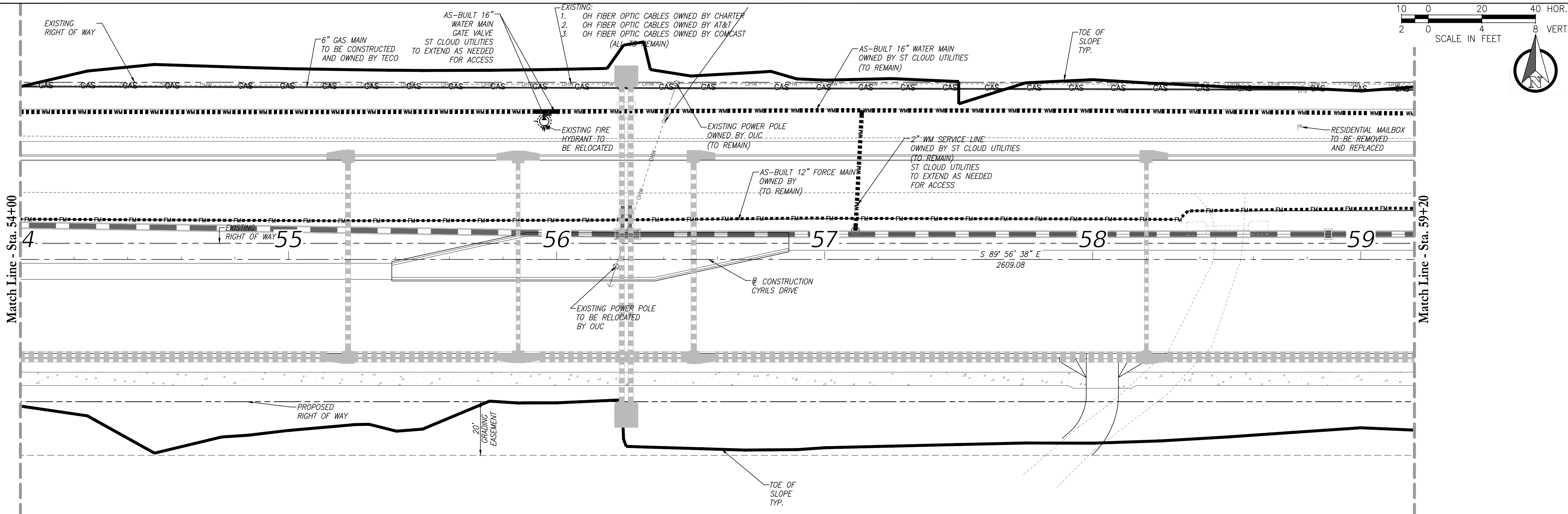
**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

SHEET NO.
 57



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RICHARD DEAN BOBLETZ
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DATE:

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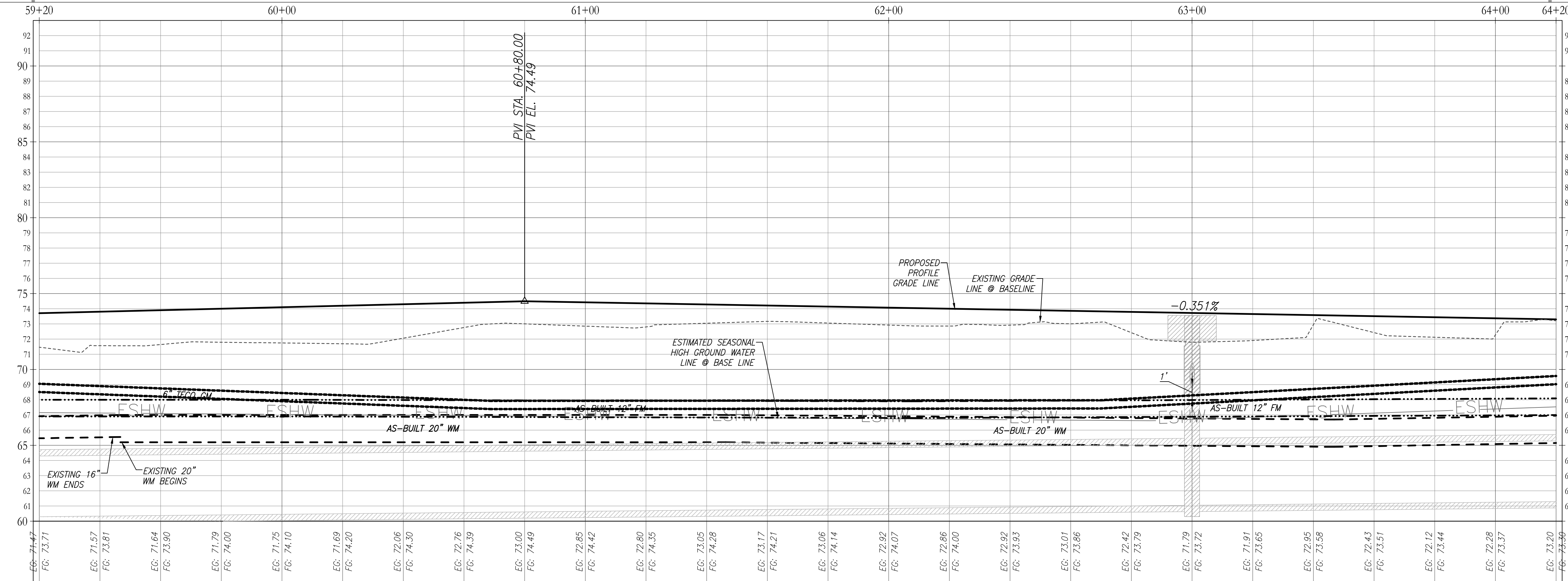
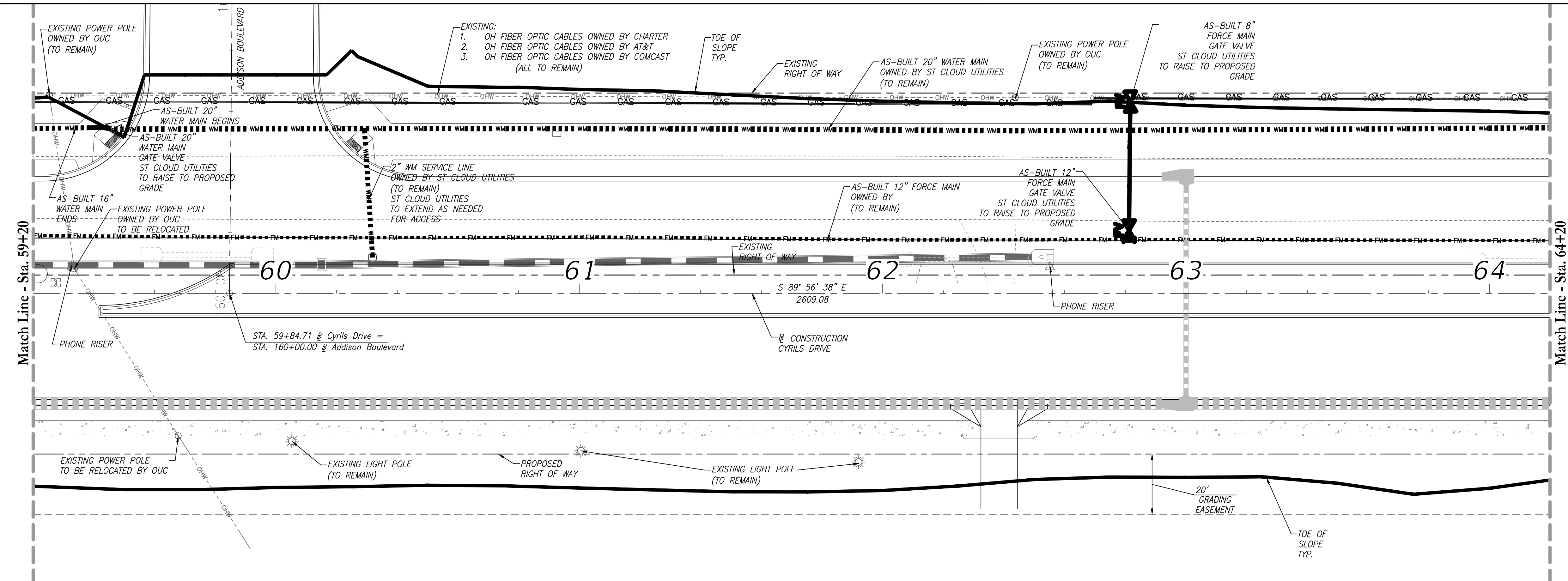
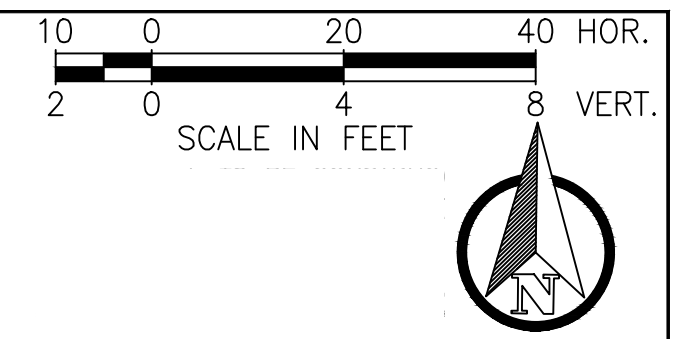
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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UTILITY ADJUSTMENT SHEETS

SHEET NO.
58

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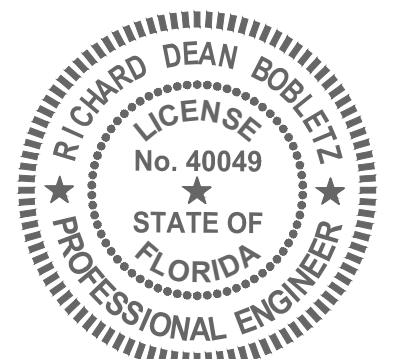
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

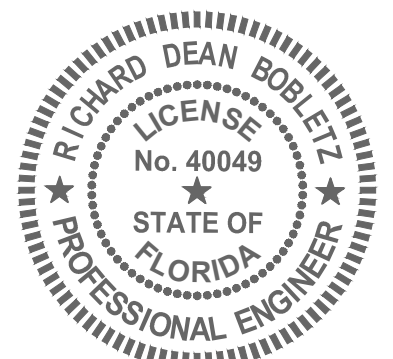
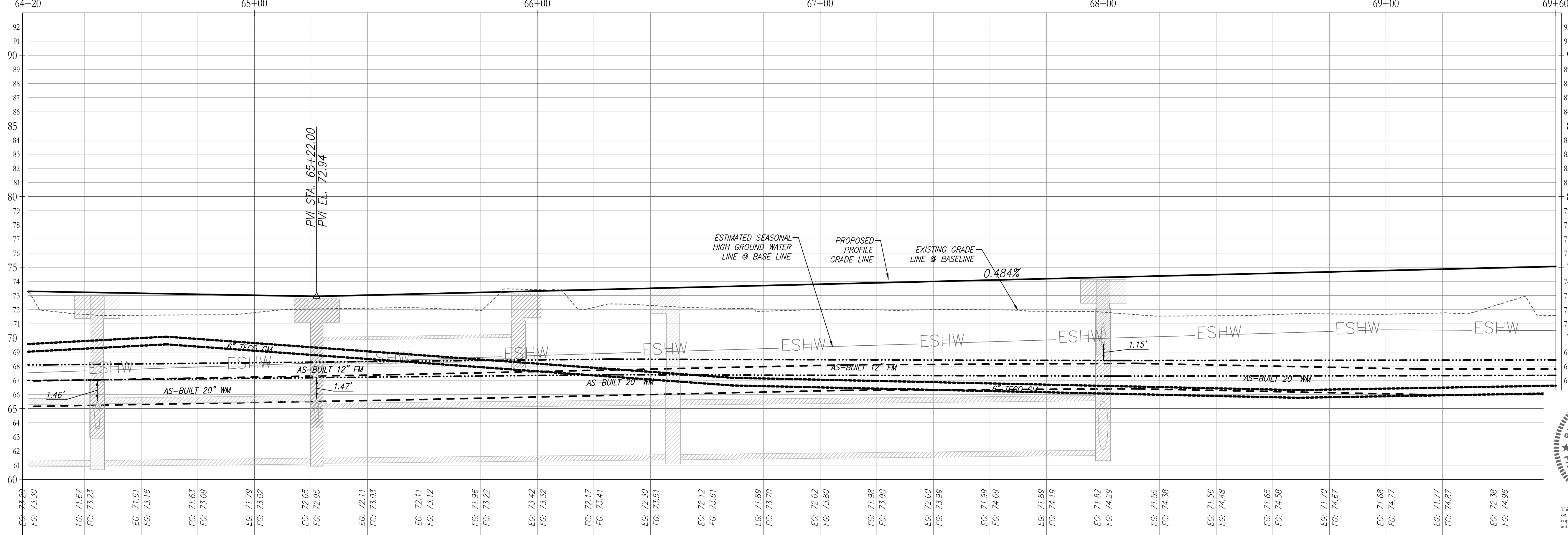
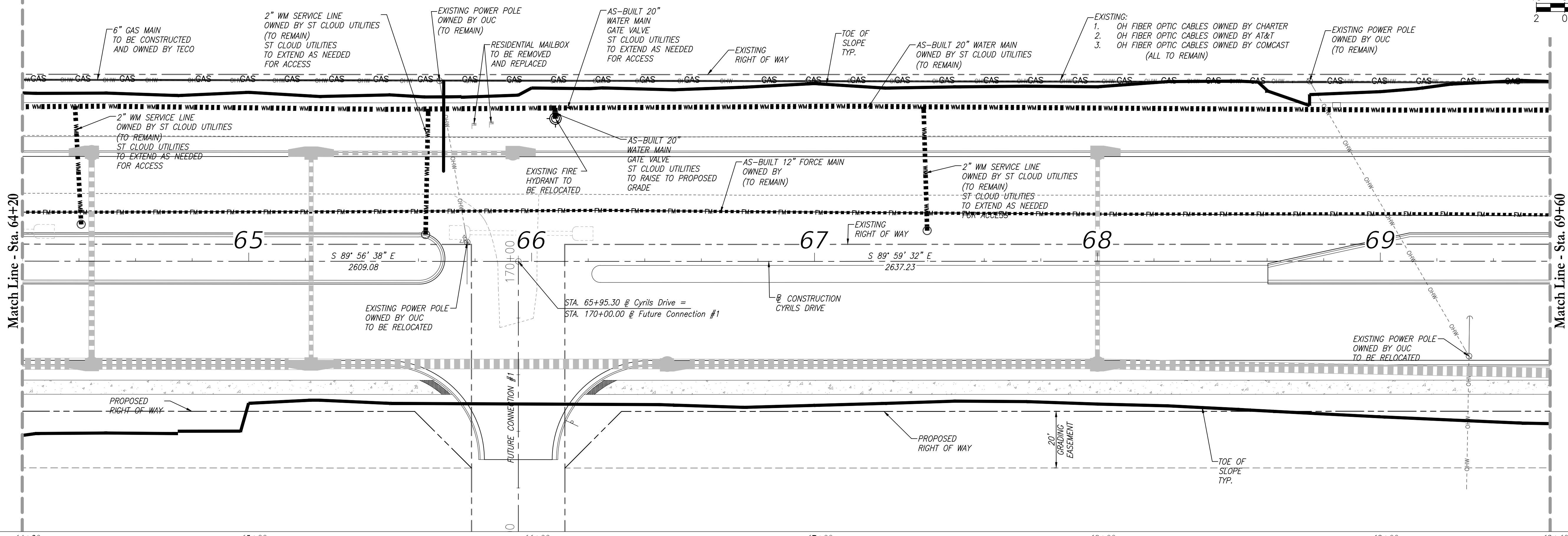
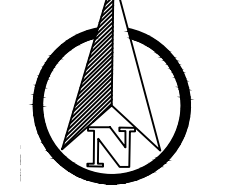
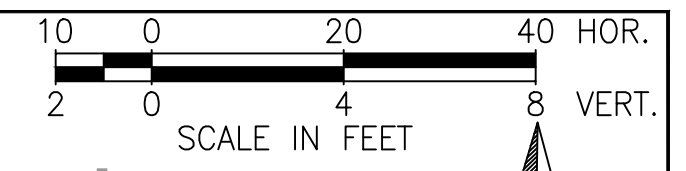
SHEET
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59



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 No. 40049
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 PROFESSIONAL ENGINEER
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LICENSED PROFESSIONAL ENGINEER
No. 40049
STATE OF FLORIDA
September 27, 2021
DATE:

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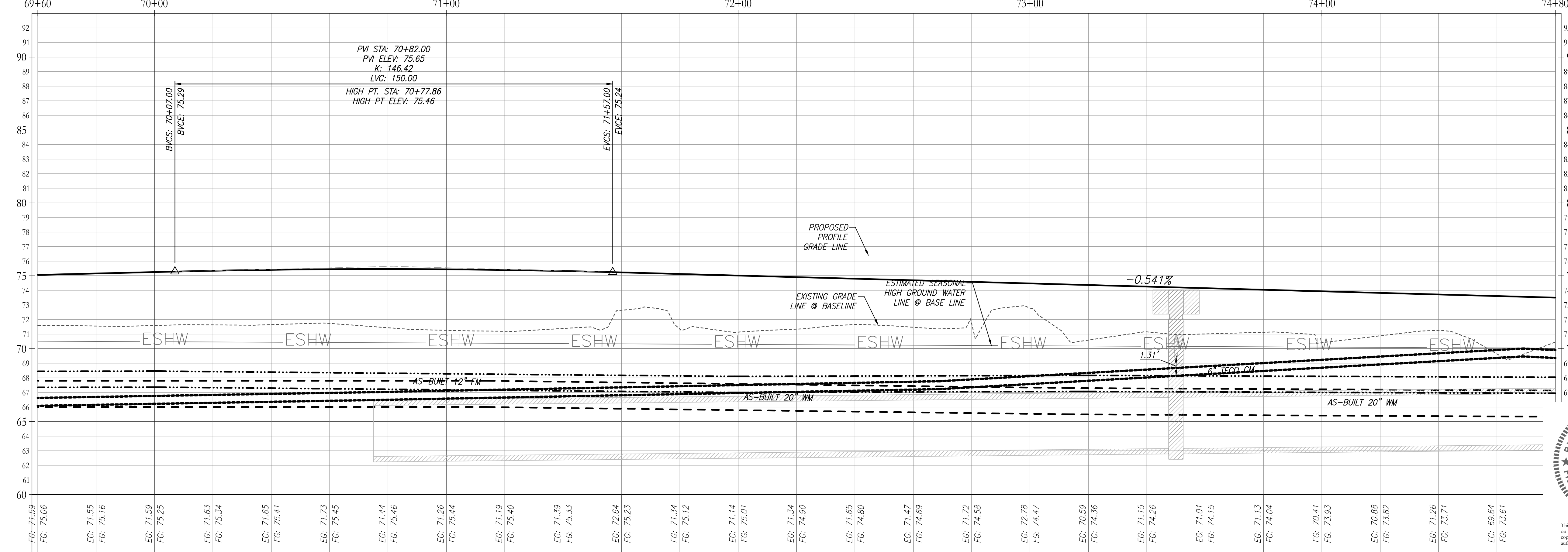
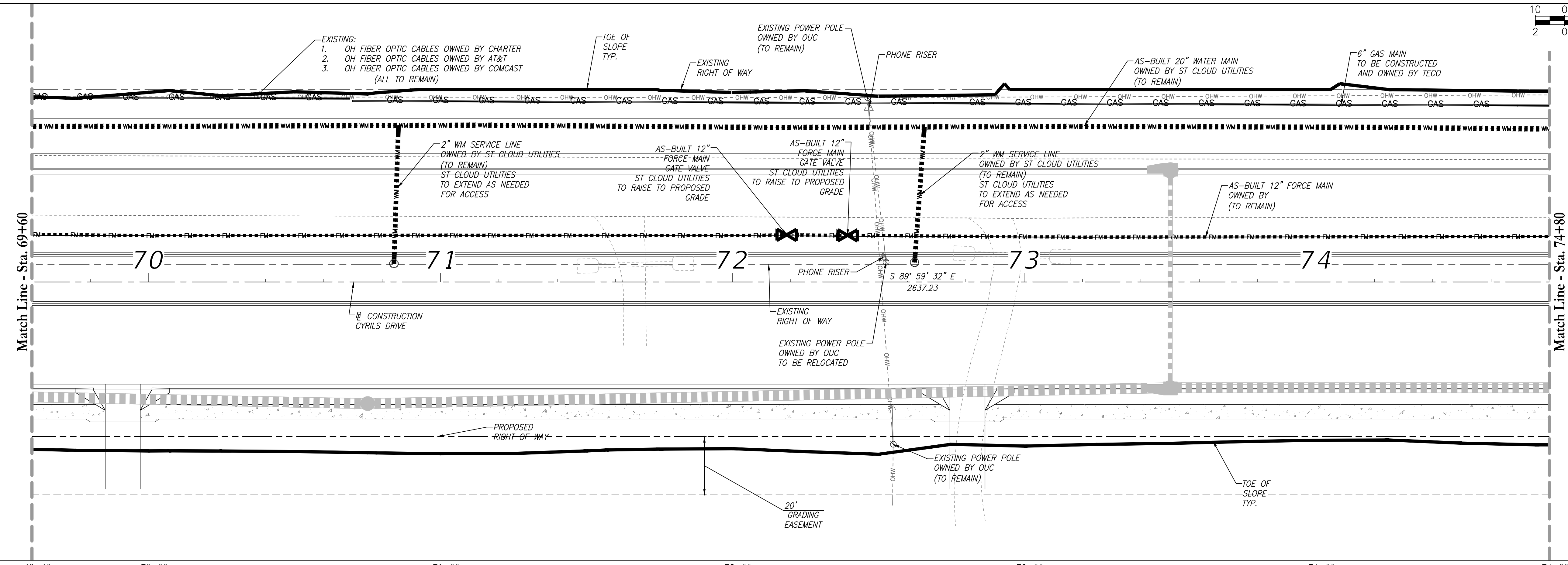
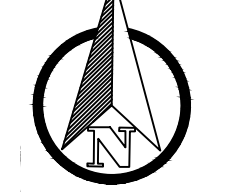
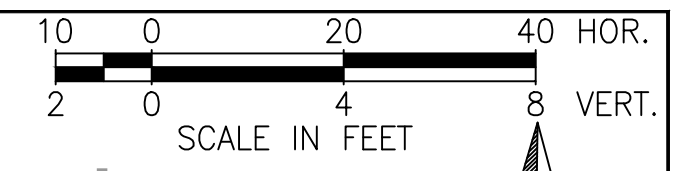
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
UTILITY ADJUSTMENT SHEETS

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60

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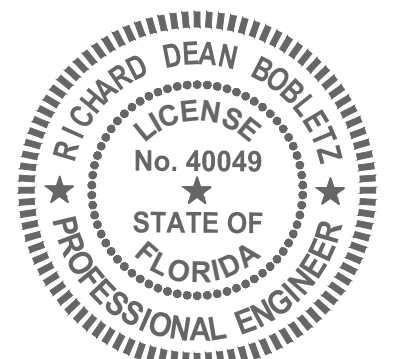
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 UTILITY ADJUSTMENT SHEETS

SHEET NO.
 61

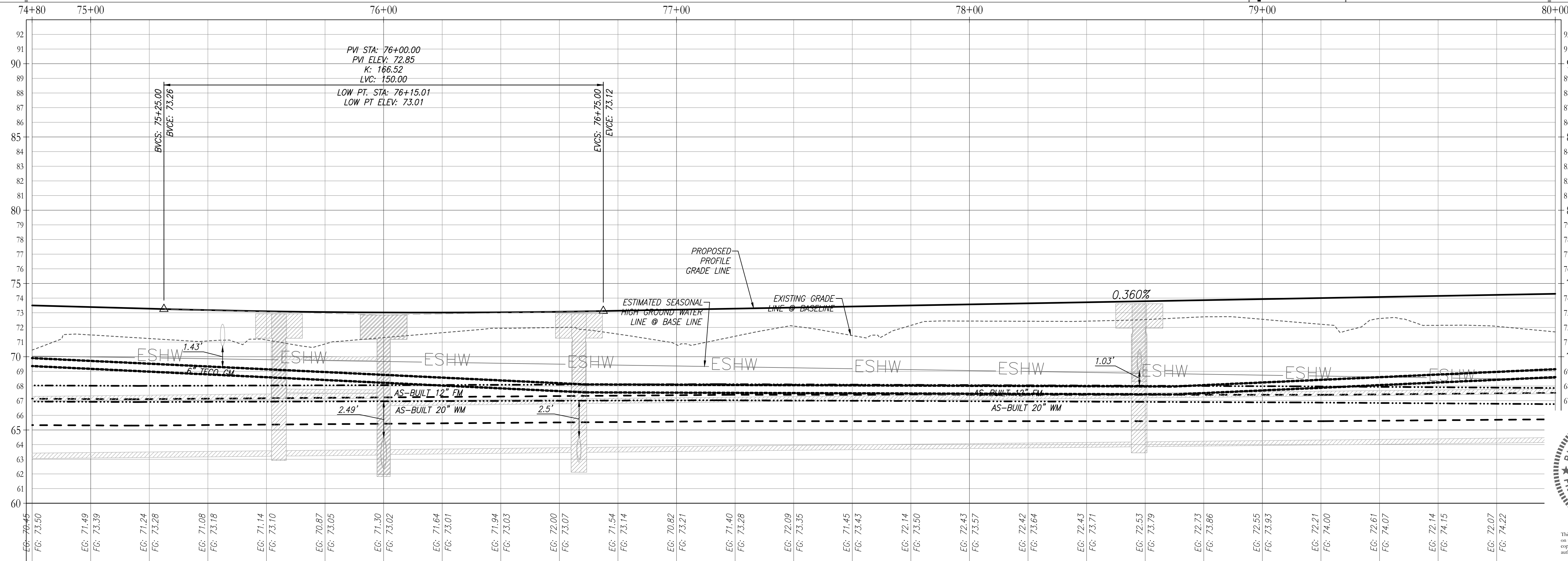
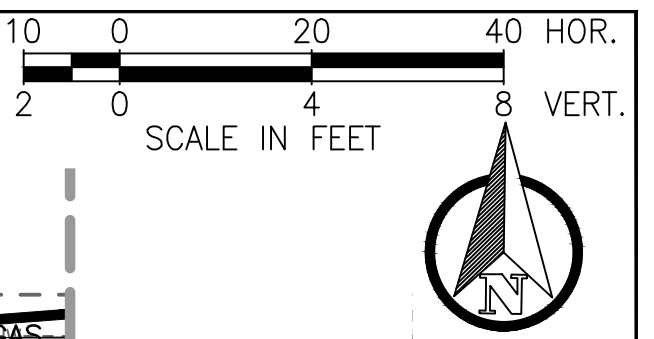
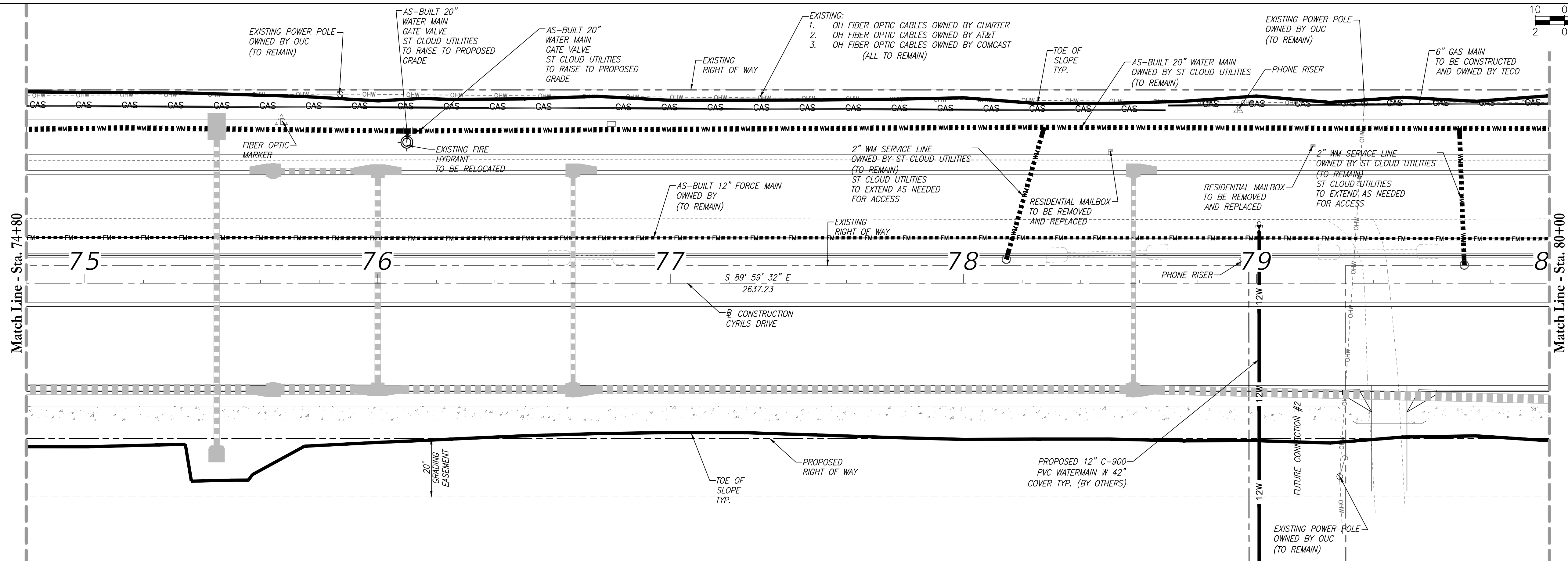


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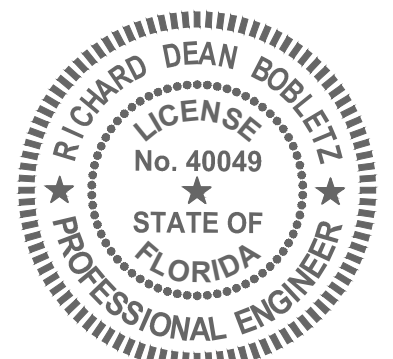
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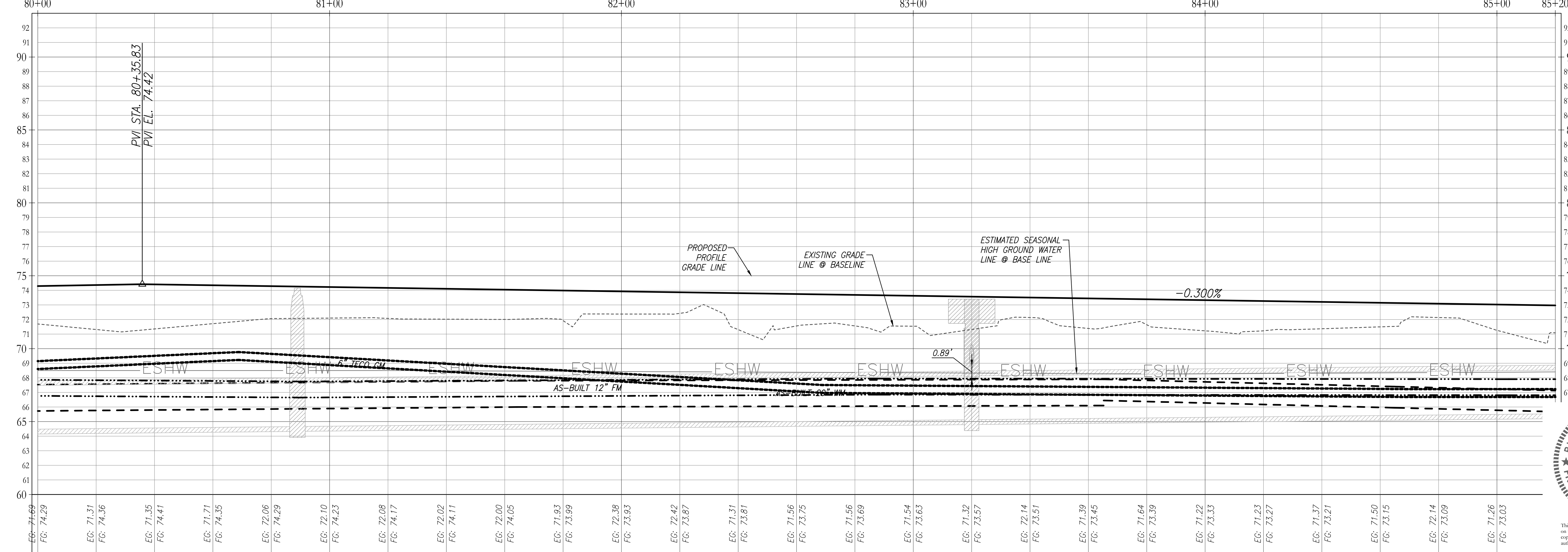
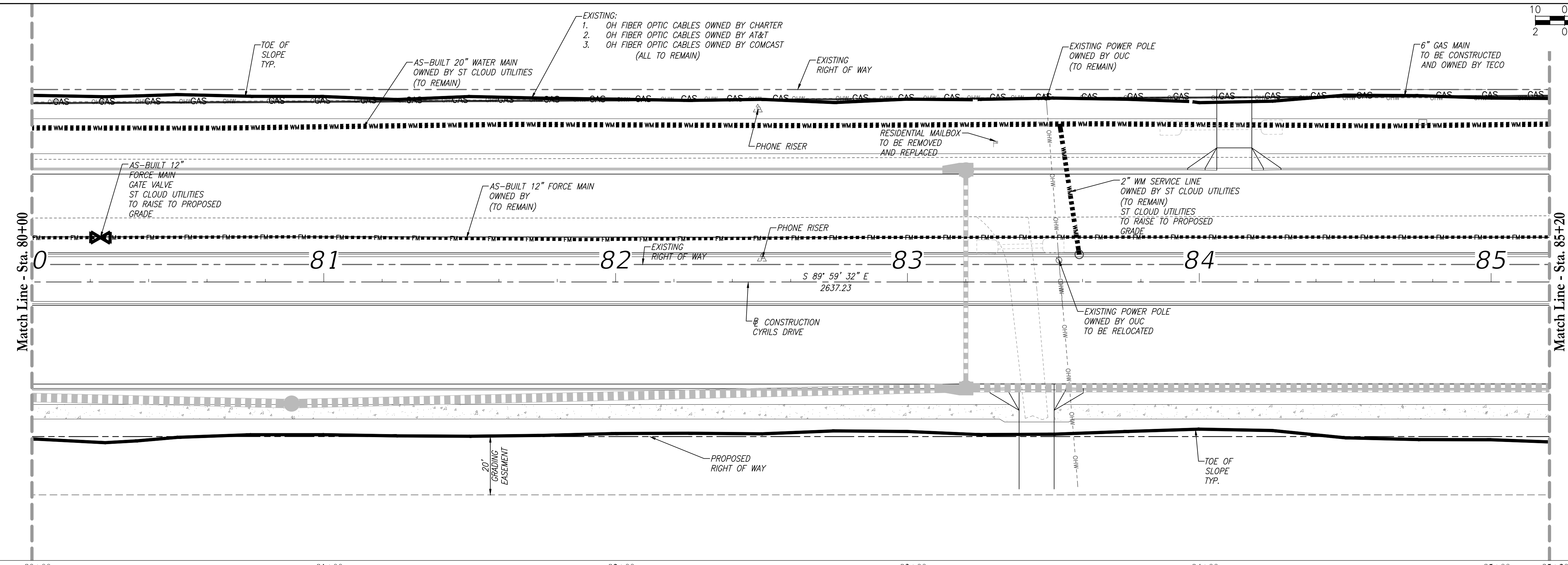
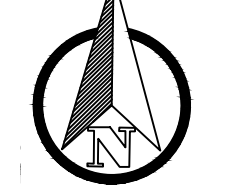
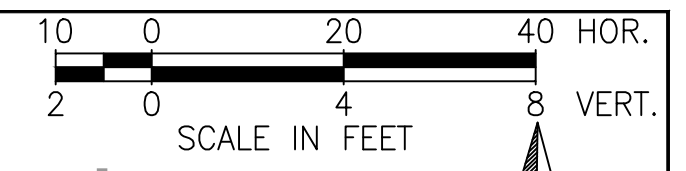
**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

SHEET NO.
 62



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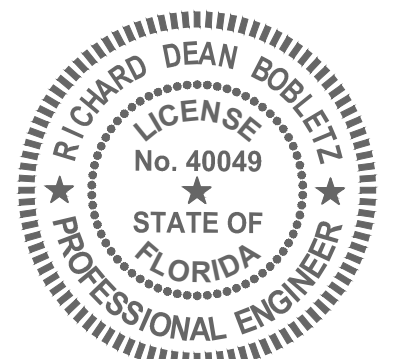
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

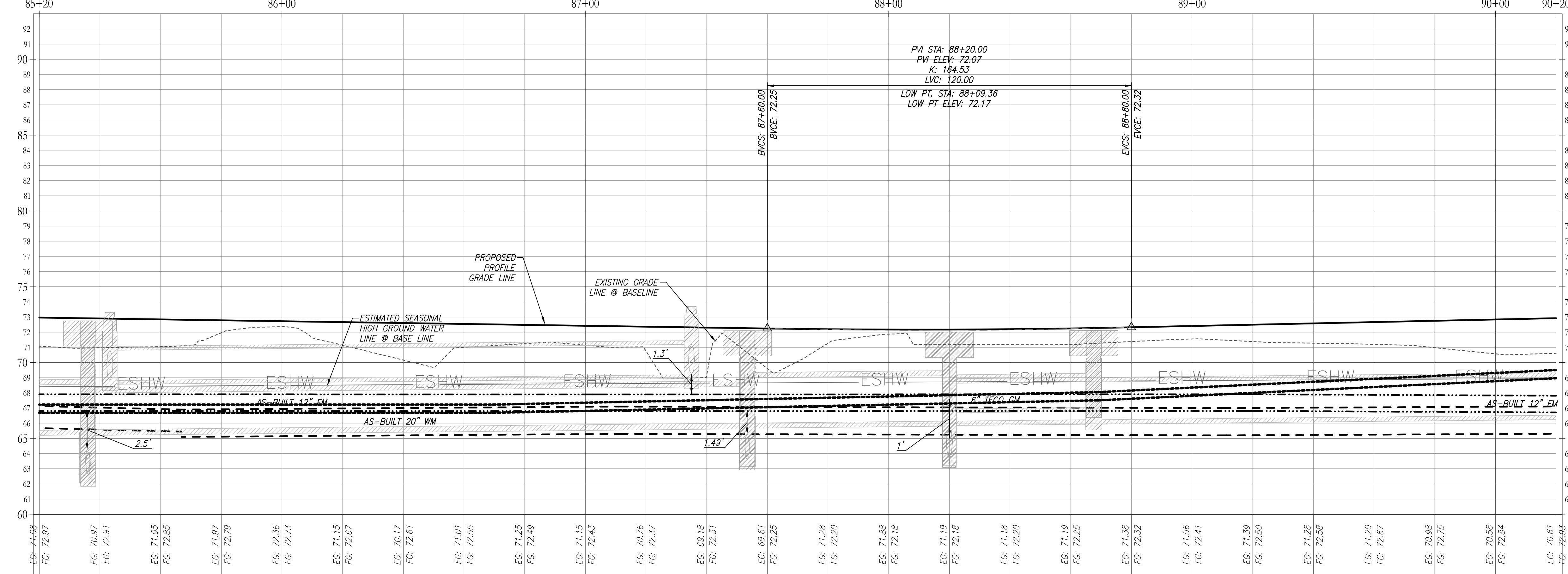
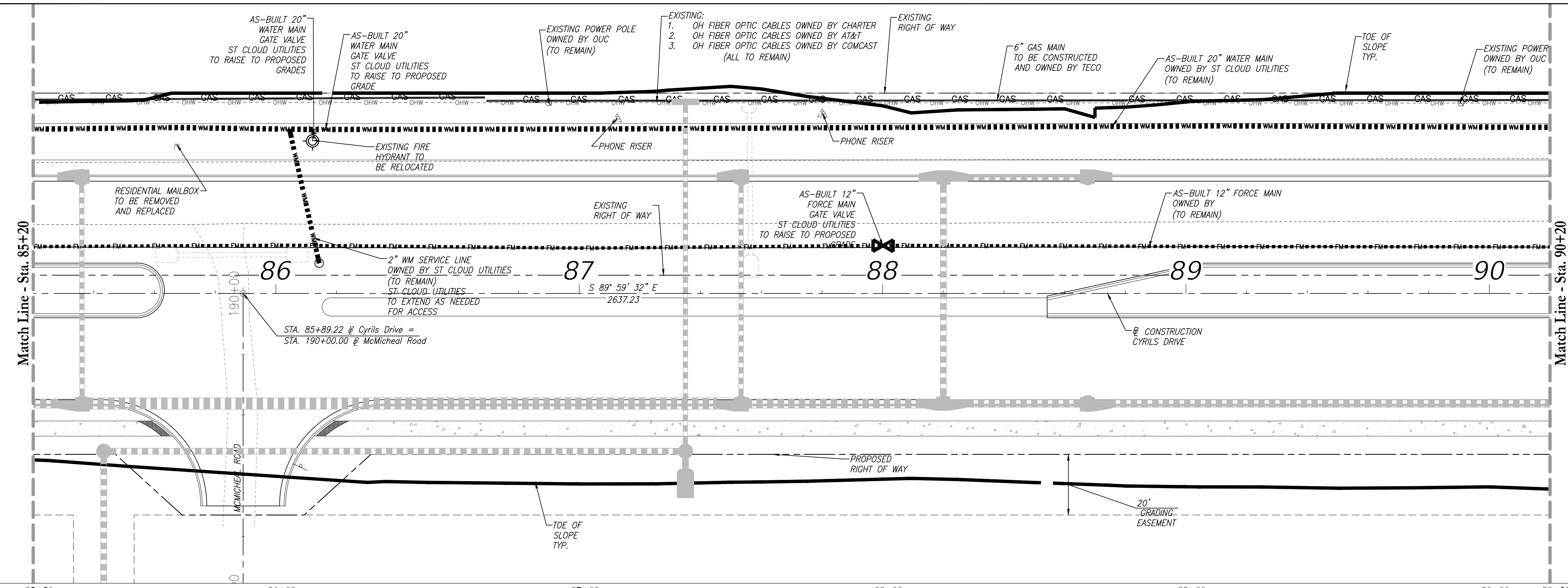
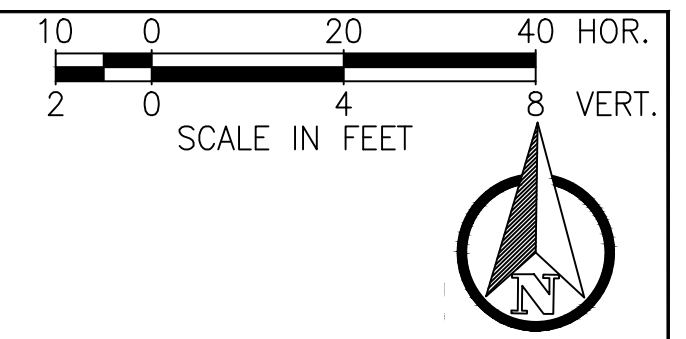
SHEET NO.
63



RICHARD DEAN BOBLETZ
 LICENSED PROFESSIONAL ENGINEER
 No. 40049
 STATE OF FLORIDA
 DATE: September 27, 2021

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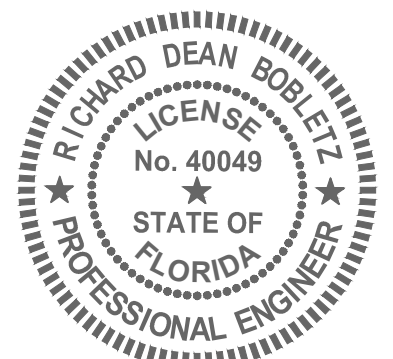
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DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 UTILITY ADJUSTMENT SHEETS

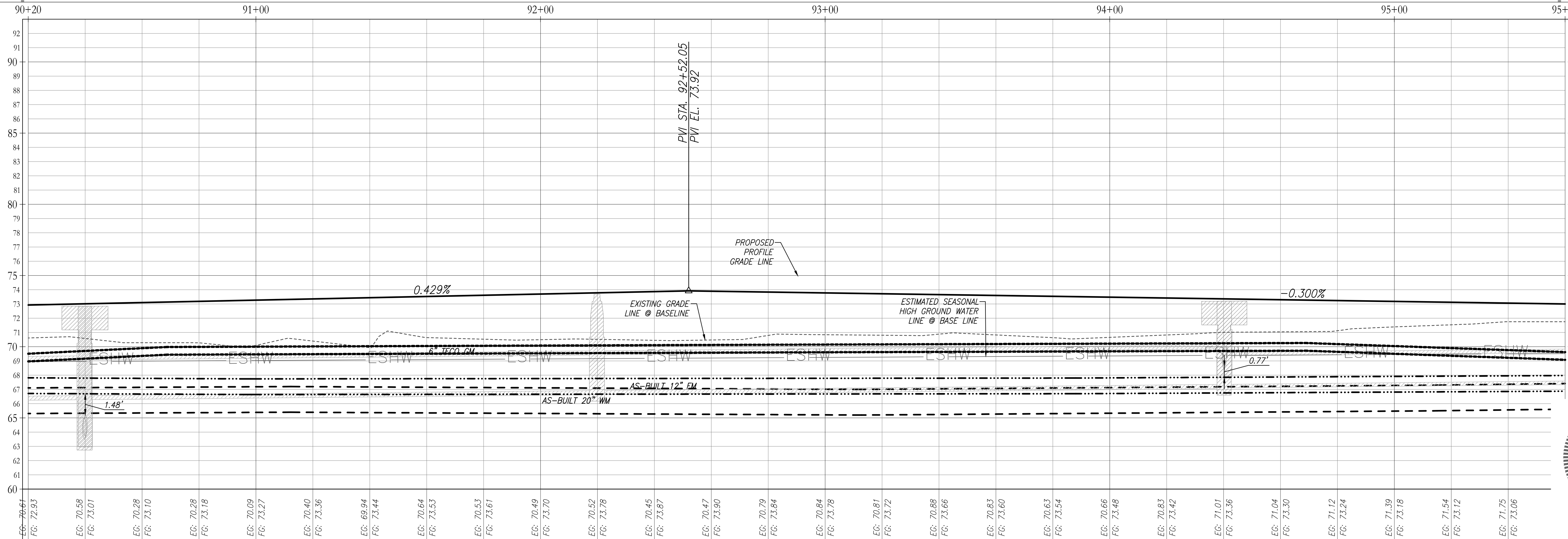
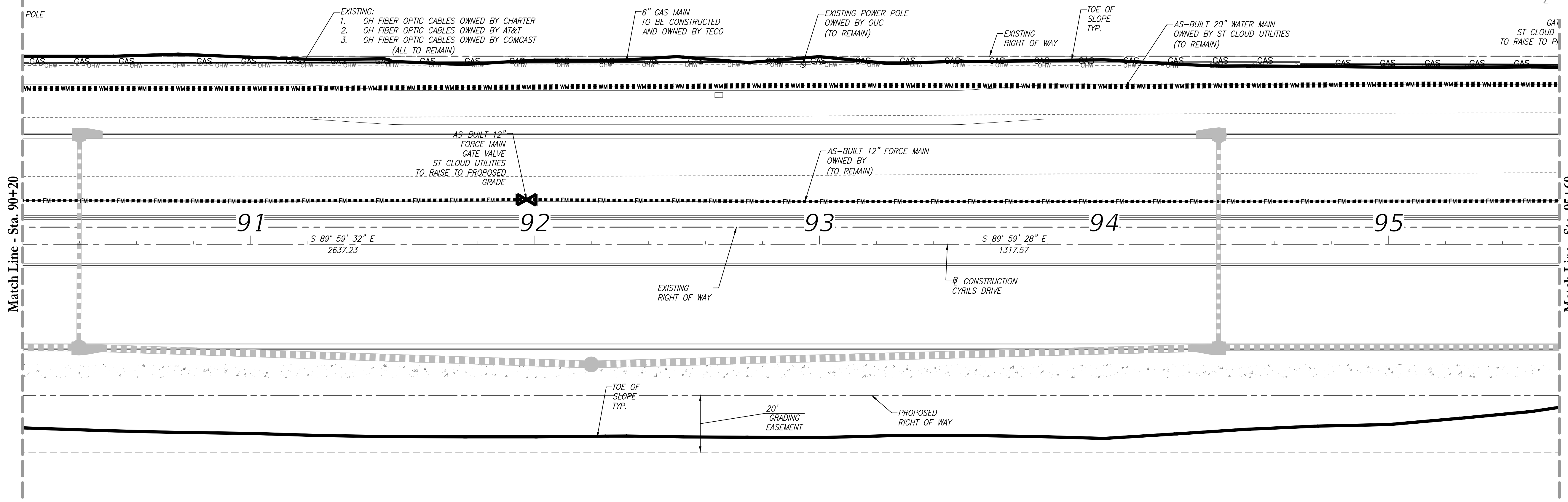
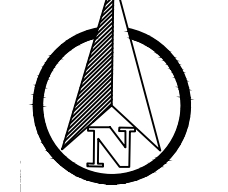
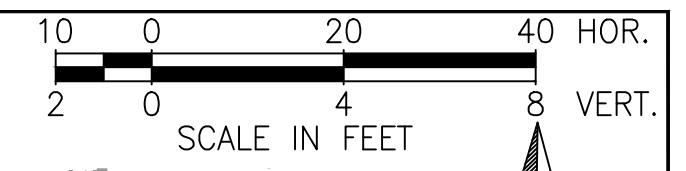
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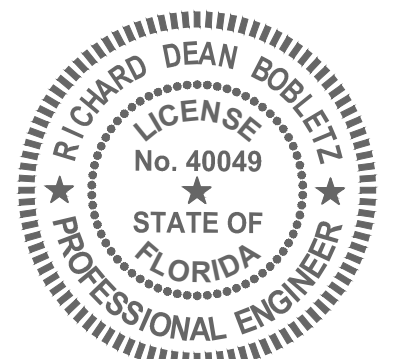
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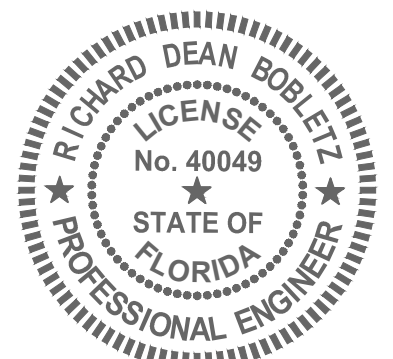
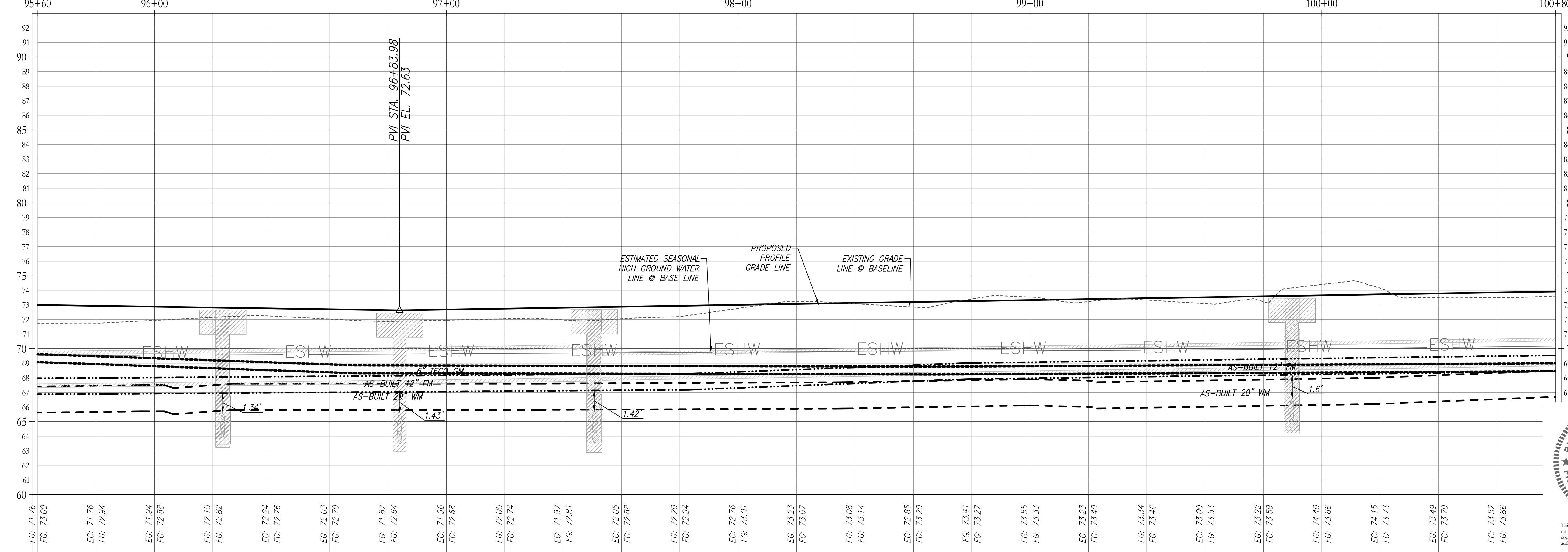
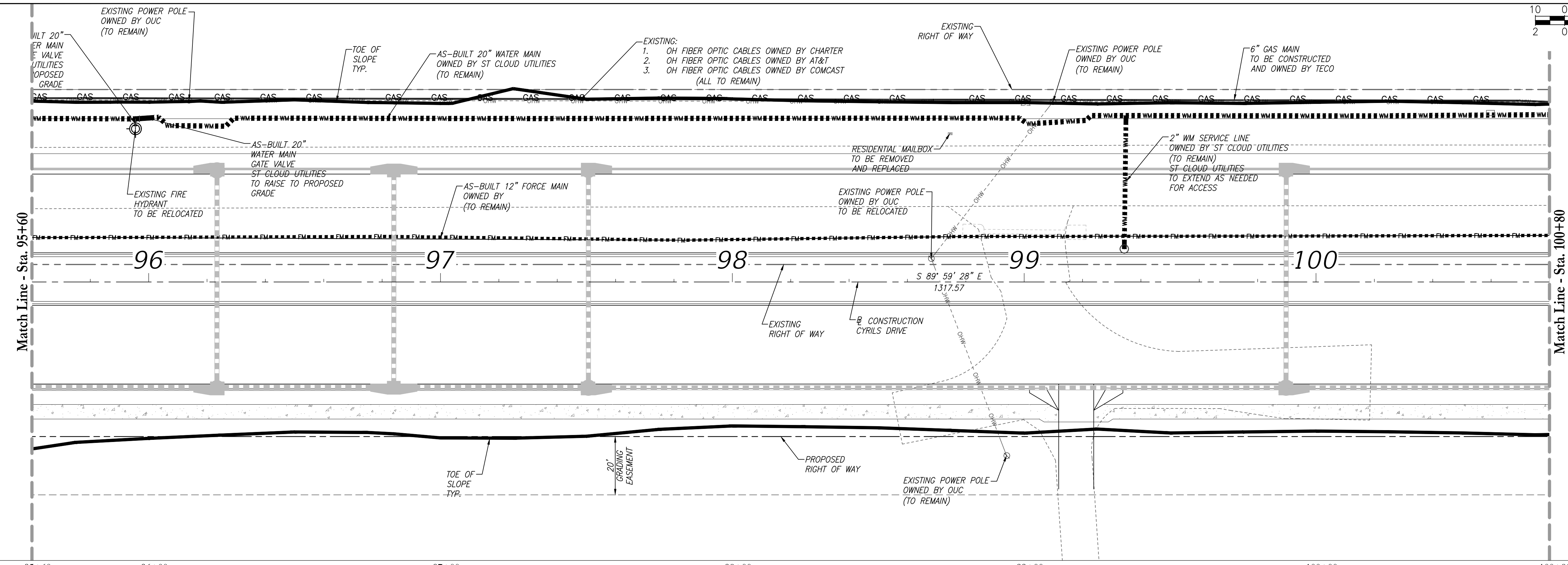
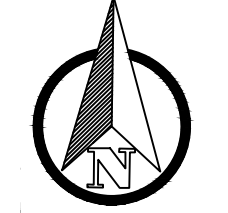
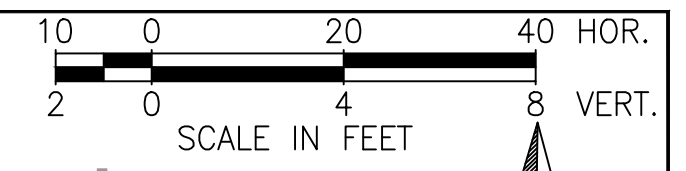
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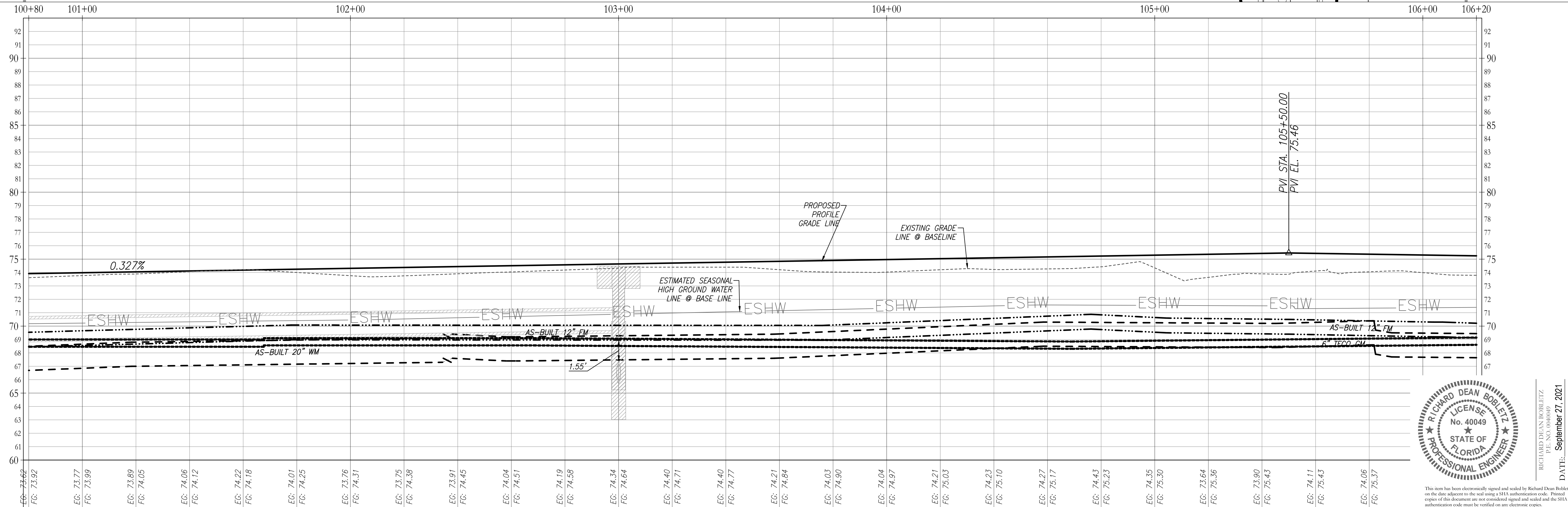
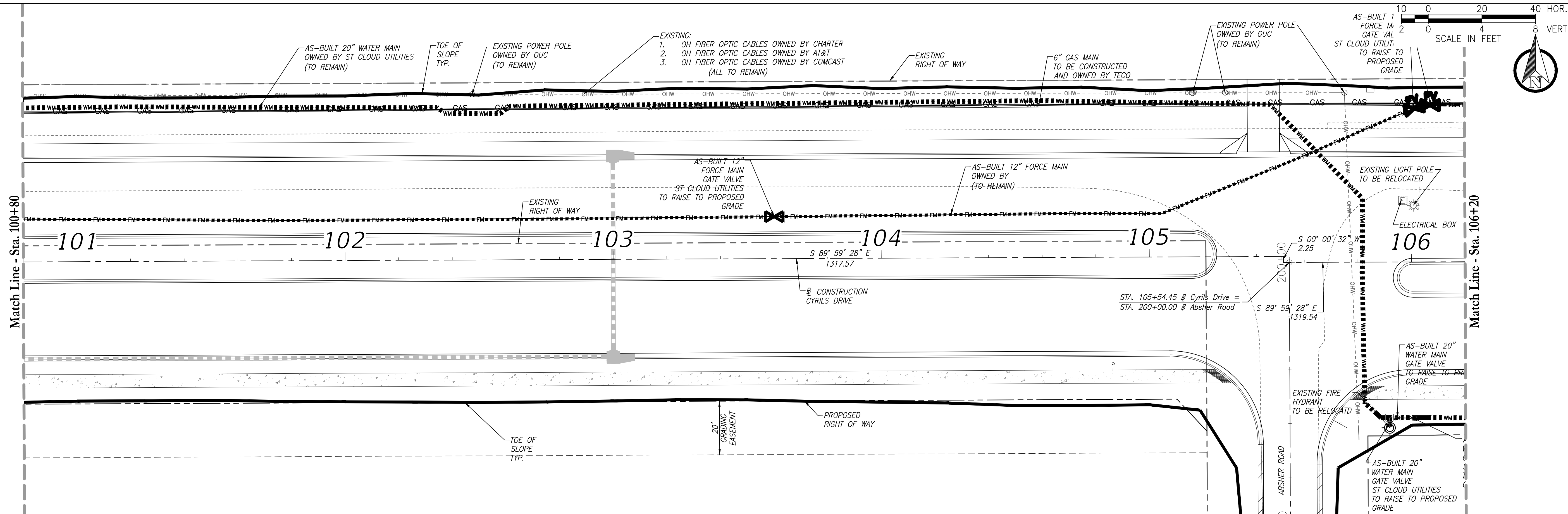
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XX-XX-2021	INITIAL SUBMITTAL		

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OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
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 UTILITY ADJUSTMENT SHEETS

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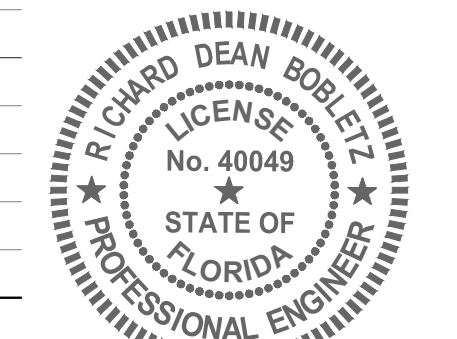
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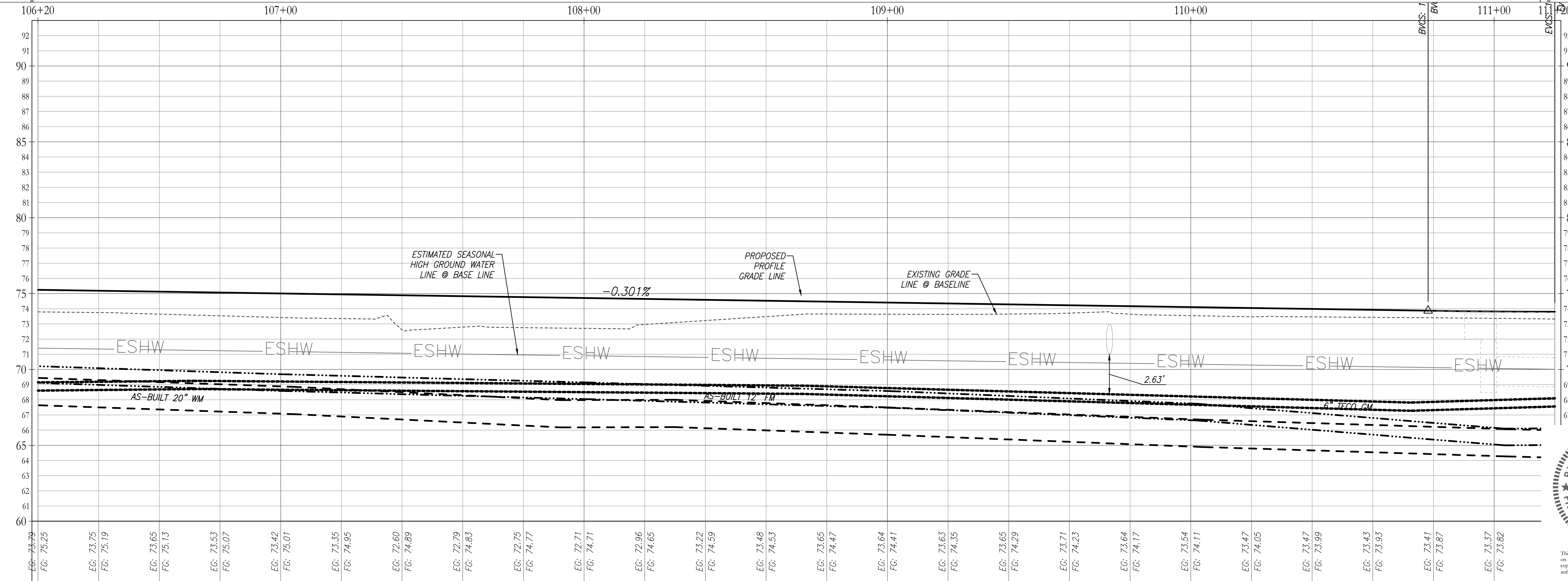
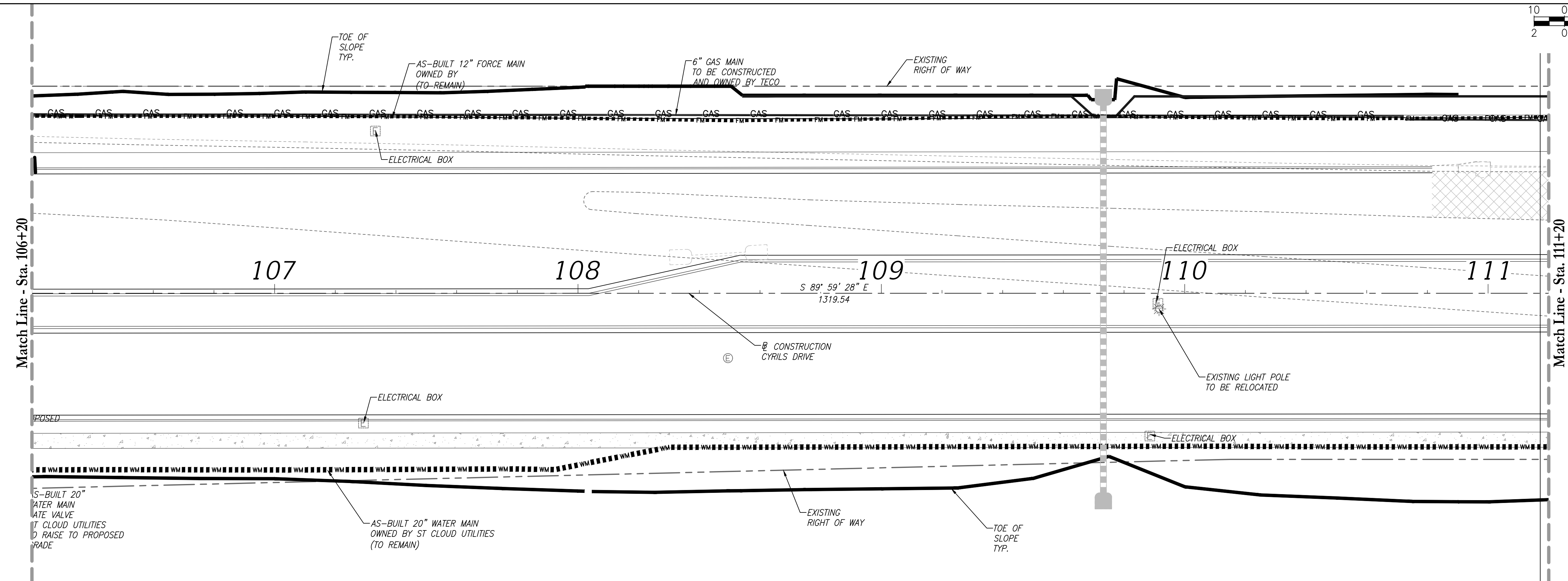
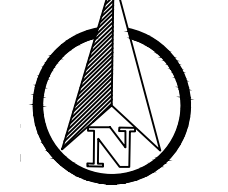
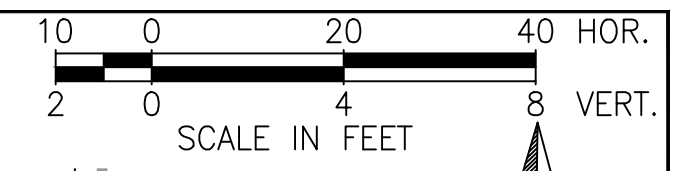
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 No. 40049
 STATE OF FLORIDA
 DATE: September 27, 2021

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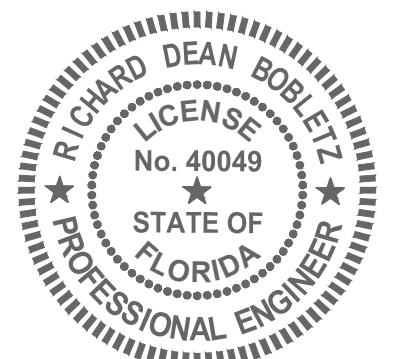
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DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS

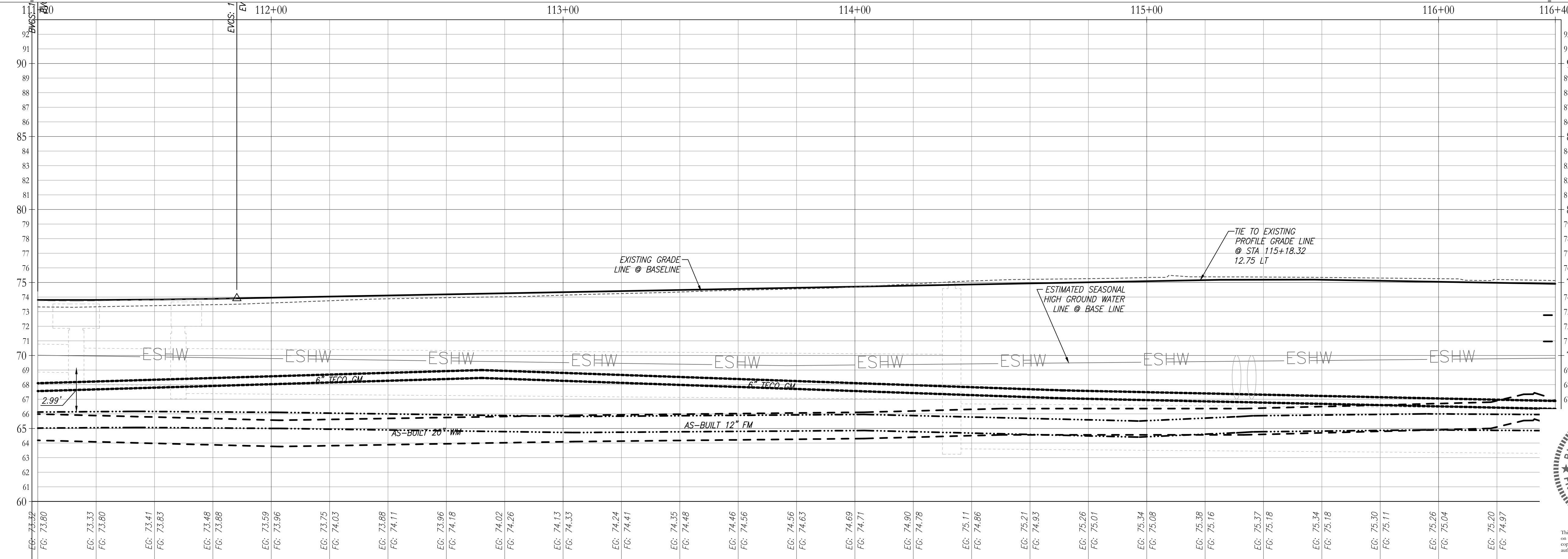
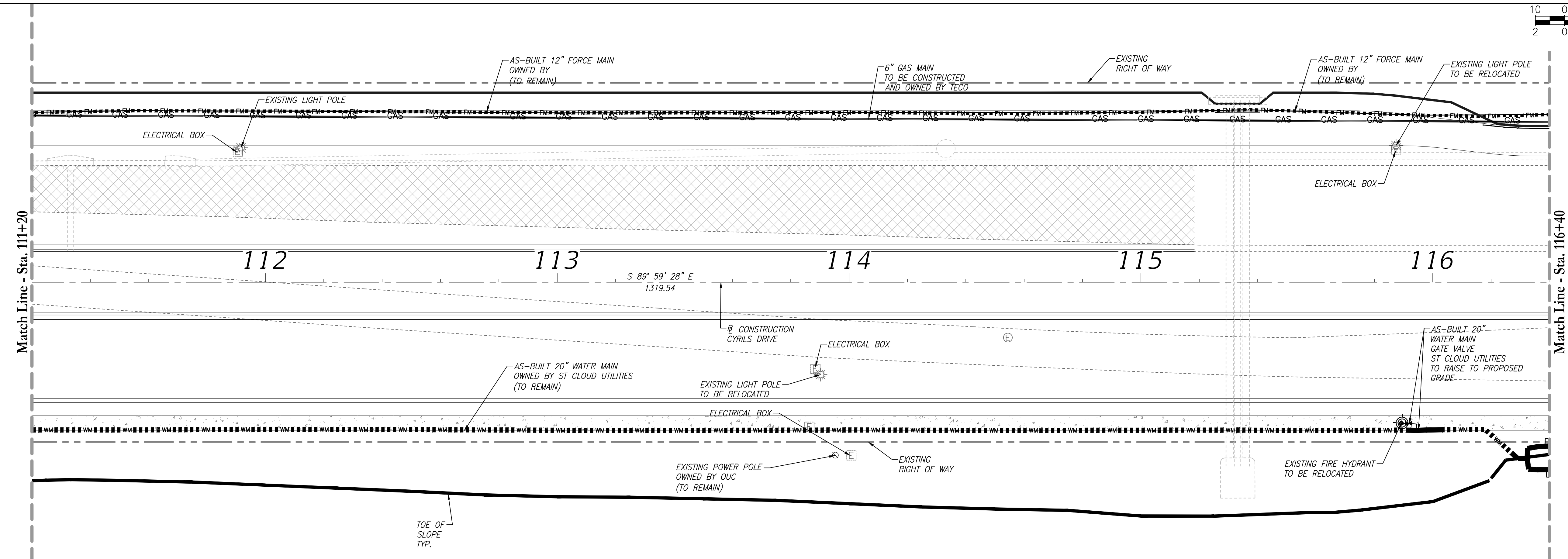
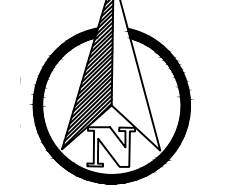
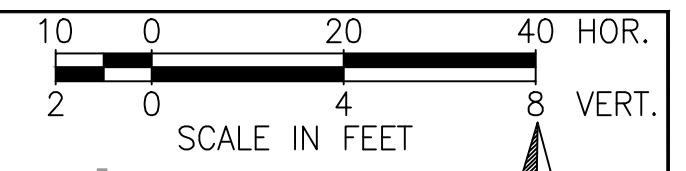
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RICHARD DEAN BOBLETZ
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 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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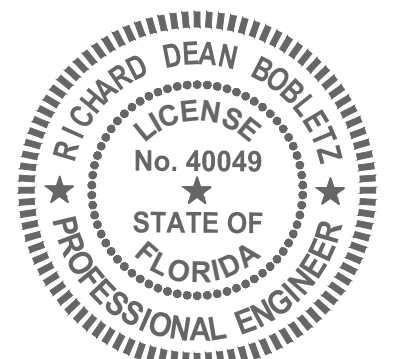
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XX-XX-2021	INITIAL SUBMITTAL		

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 PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS**

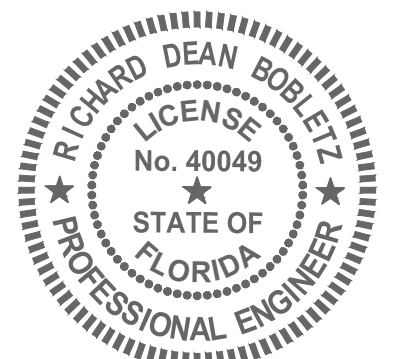
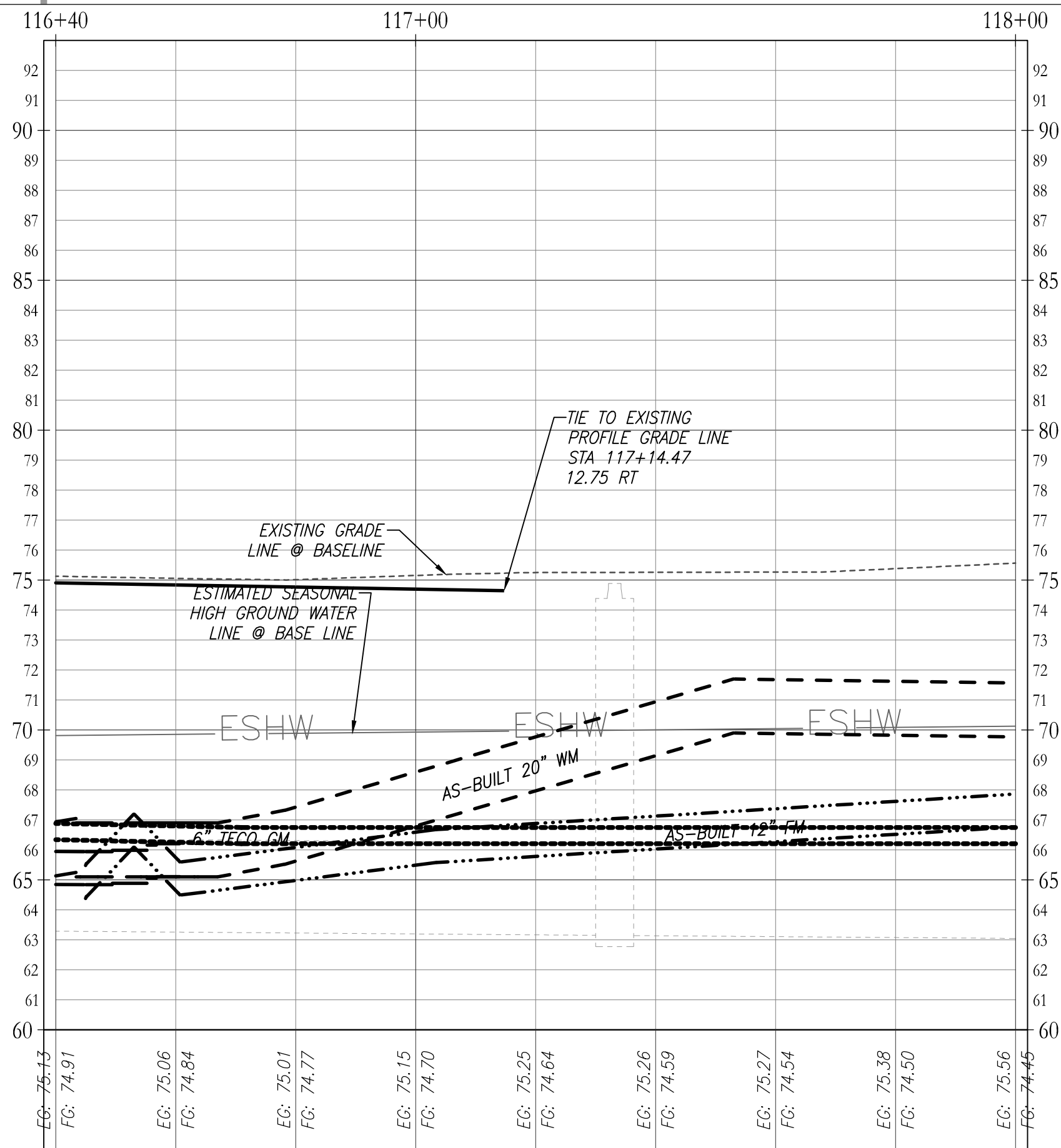
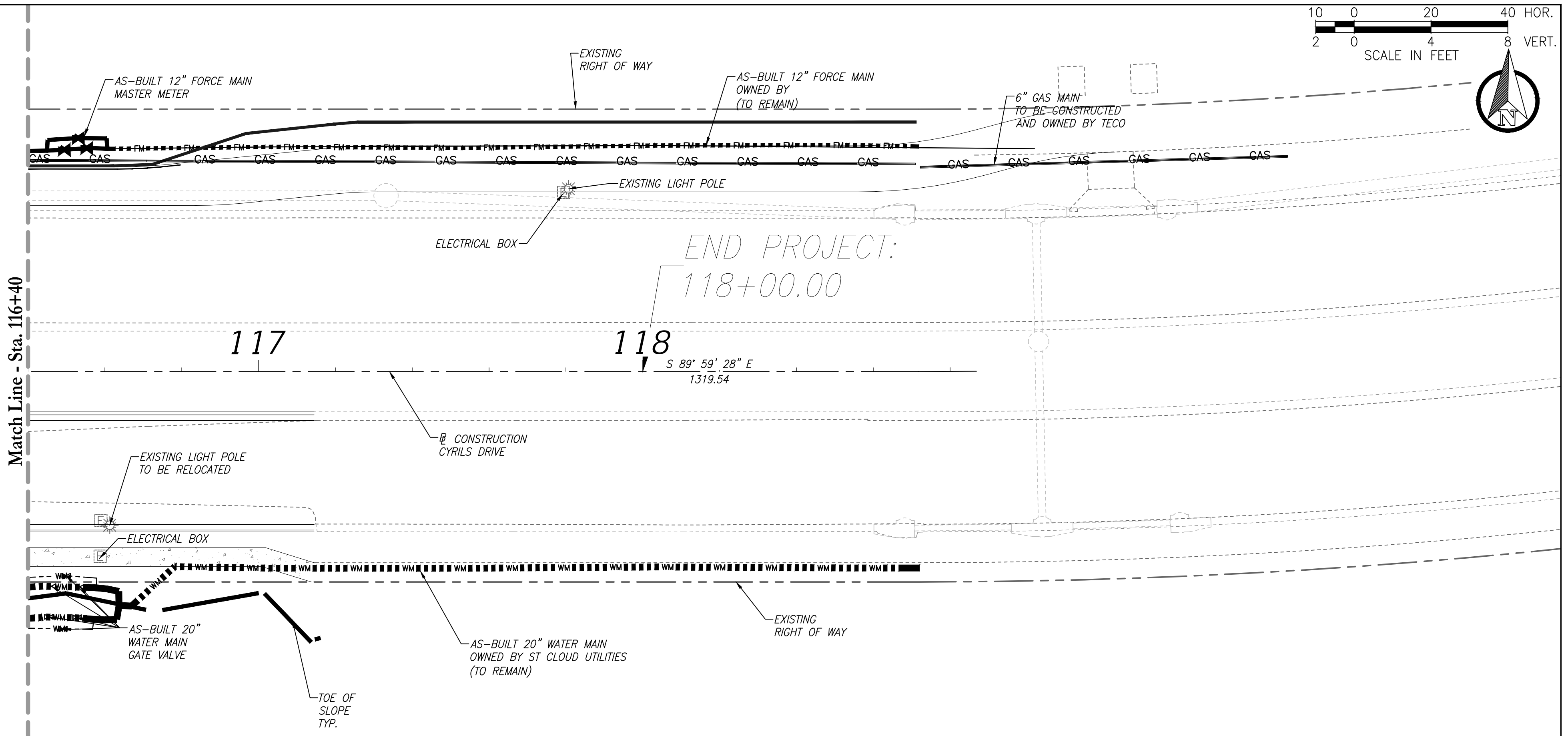
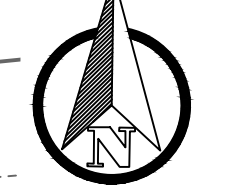
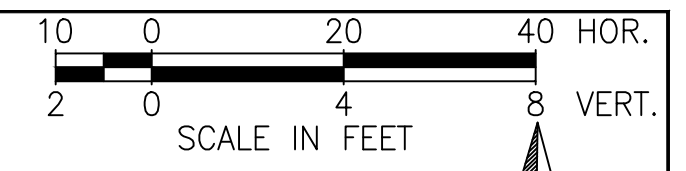
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XX-XX-2021	INITIAL SUBMITTAL		

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CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 UTILITY ADJUSTMENT SHEETS

SHEET NO.
 70

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Table with 7 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, FITTING TYPE, COMMENTS. Contains 44 rows of water main fitting data.

Table with 7 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, VALVE TYPE, MAIN TYPE, COMMENTS. Contains 15 rows of water main valves data.

Table with 4 columns: ID NUMBER, EASTING, NORTHING, COMMENTS. Contains 6 rows of hydrants data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, COMMENTS. Contains 49 rows of water main pipe data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, COMMENTS. Contains 12 rows of water services data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, COMMENTS. Contains 12 rows of water meter data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, COMMENTS. Contains 29 rows of force main pipe data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, COMMENTS. Contains 22 rows of force main pipe data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, VALVE TYPE, MAIN TYPE, COMMENTS. Contains 11 rows of force main valves data.

Table with 6 columns: ID NUMBER, EASTING, NORTHING, ELEVATION, MAIN TYPE, FITTING TYPE, COMMENTS. Contains 15 rows of force main fitting data.

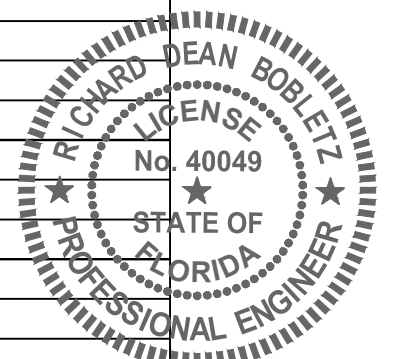
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Logo for Poulos & Bennett, LLC. Address: 2602 E. Livingston St., Orlando, FL 32803. Tel: 407.487.2594. www.poulosandbennett.com. Eng. Bus. No. 28857.

OSCEOLA COUNTY PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO ABSHER ROAD - ROAD WIDENING UTILITY ASSET TABLES

SHEET NO. 71



Richard Dean Boblett, Professional Engineer, State of Florida, License No. 40049, Date: September 27, 2021.

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LEGEND

● APPROXIMATE PROBE LOCATION SHOWING
○ APPROXIMATE DEPTH OF MUCK (FEET)

W = WATER
M = MUCK
LS = LOOSE SAND (POSSIBLE ORGANICS)



LIMITATIONS OF MUCK PROBE SURVEY

THE MANUAL MUCK PROBE PROCEDURE INVOLVES PUSHING A SLENDER METAL ROD INTO THE SURFICIAL ORGANICS AND EVALUATING THE RELATIVE RESISTANCE OF THE SOIL. THE MANUAL MUCK PROBE CANNOT DETERMINE THE TYPE OF MATERIAL ENCOUNTERED SINCE NO SOIL SAMPLES ARE RECOVERED, ONLY WHETHER OR NOT THE MATERIAL IS SUFFICIENTLY LOOSE OR SOFT TO ALLOW PENETRATION OF THE PROBE. THE MANUAL PROBE MAY NOT DETECT ORGANIC LAYERS WHICH EXIST BENEATH OR IN-BETWEEN SANDY SOIL LAYERS, AND MAY PENETRATE LOOSE SANDY SOILS.

DUE TO THESE LIMITATIONS, THE DEPTHS SHOWN MAY BE AN OVER-ESTIMATION OR UNDER-ESTIMATION OF THE ACTUAL DEPTH OF ORGANIC SOILS.


MUCK PROBE DATA SHALL NOT BE USED TO ESTIMATE EARTHWORK QUANTITIES, EXCEPT ON A PRELIMINARY BASIS.

BACKHOE TEST PITS OR AUGER BORINGS WITH HORIZONTAL AND VERTICAL SURVEY CONTROL ARE RECOMMENDED WHERE MORE DEFINITE INFORMATION IS NEEDED.

LOOSE SAND MAY CONTAIN VARIABLE AMOUNTS OF ORGANICS AND DEPENDING UPON THE ORGANIC CONTENT MAY BE UNSUITABLE TO REMAIN IN-PLACE BELOW THE PROPOSED SITE IMPROVEMENTS.

20-0279-02

THIS DRAWING CREATED USING PLAN PROVIDED BY CLIENT.

FOR: POULOS & BENNETT	
DRAWN BY: N.F.	DATE: 1-22-2021
CHECKED BY: G.P.	DATE: 01.28.2021
REPORT NO: 1765631.V3	SCALE: AS SHOWN
PROJECT NO: 0130.1700290.0013	
GEOTECHNICAL EXPLORATION ROADWAY WIDENING TY, FLORIDA	
LIMITED GEOTECHNICAL CYRILS DRIVE OSCEOLA	
MUCK PROBE LOCATION PLAN	
 UNIVERSAL ENGINEERING SCIENCES	
PAGE NO:	A-3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

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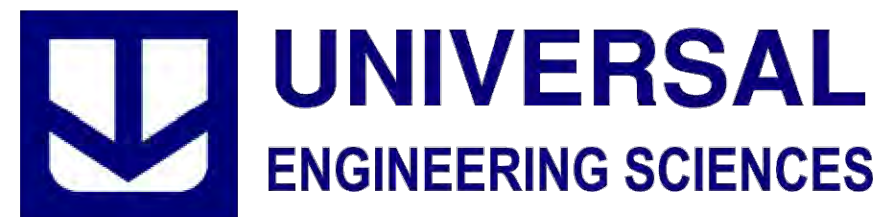
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PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
MUCK PROBE AND LOCATIONS

SHEET NO.
72

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KEY TO BORING LOGS

SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION
N-Value	No. of Blows of a 140-lb. Weight Falling 30 Inches Required to Drive a Standard Spoon 1 Foot
WOR	Weight of Drill Rods
WOH	Weight of Drill Rods and Hammer
	Sample from Auger Cuttings
	Standard Penetration Test Sample
	Thin-wall Shelby Tube Sample (Undisturbed Sampler Used)
RQD	Rock Quality Designation
	Stabilized Groundwater Level
	Seasonal High Groundwater Level (also referred to as the W.S.W.T.)
NE	Not Encountered
GNE	Groundwater Not Encountered
BT	Boring Terminated
-200 (%)	Fines Content or % Passing No. 200 Sieve
MC (%)	Moisture Content
LL	Liquid Limit (Atterberg Limits Test)
PI	Plasticity Index (Atterberg Limits Test)
NP	Non-Plastic (Atterberg Limits Test)
K	Coefficient of Permeability
Org. Cont.	Organic Content
G.S. Elevation	Ground Surface Elevation

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS More than 50% retained on the No. 200 sieve*	GRAVELS 50% or more of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS	GW Well-graded gravels and gravel-sand mixtures, little or no fines
			GP Poorly graded gravels and gravel-sand mixtures, little or no fines
		GRAVELS WITH FINES	GM Silty gravels and gravel-sand-silt mixtures
			GC Clayey gravels and gravel-sand-clay mixtures
	SANDS More than 50% of coarse fraction passes No. 4 sieve	CLEAN SANDS 5% or less passing No. 200 sieve	SW** Well-graded sands and gravelly sands, little or no fines
			SP** Poorly graded sands and gravelly sands, little or no fines
SANDS with 12% or more passing No. 200 sieve		SM** Silty sands, sand-silt mixtures	
FINE-GRAINED SOILS 50% or more passes the No. 200 sieve*	SILTS AND CLAYS Liquid limit 50% or less		ML Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
			CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
			OL Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS Liquid limit greater than 50%		MH Inorganic silts, micaceous or diamicaceous fine sands or silts, elastic silts
			CH Inorganic clays or clays of high plasticity, fat clays
			OH Organic clays of medium to high plasticity
	PT Peat, muck and other highly organic soils		

*Based on the material passing the 3-inch (75 mm) sieve
 ** Use dual symbol (such as SP-SM and SP-SC) for soils with more than 5% but less than 12% passing the No. 200 sieve

RELATIVE DENSITY

(Sands and Gravels)
 Very loose – Less than 4 Blows/Foot
 Loose – 4 to 10 Blows/Foot
 Medium Dense – 11 to 30 Blows/Foot
 Dense – 31 to 50 Blows/Foot
 Very Dense – More than 50 Blows/Foot

CONSISTENCY

(Sils and Clays)
 Very Soft – Less than 2 Blows/Foot
 Soft – 2 to 4 Blows/Foot
 Firm – 5 to 8 Blows/Foot
 Stiff – 9 to 15 Blows/Foot
 Very Stiff – 16 to 30 Blows/Foot
 Hard – More than 30 Blows/Foot

RELATIVE HARDNESS

(Limestone)
 Soft – 100 Blows for more than 2 Inches
 Hard – 100 Blows for less than 2 Inches

MODIFIERS

These modifiers Provide Our Estimate of the Amount of Minor Constituents (Silt or Clay Size Particles) in the Soil Sample

Trace – 5% or less
 With Silt or With Clay – 6% to 11%
 Silty or Clayey – 12% to 30%
 Very Silty or Very Clayey – 31% to 50%

These Modifiers Provide Our Estimate of the Amount of Organic Components in the Soil Sample

Trace – Less than 3%
 Few – 3% to 4%
 Some – 5% to 8%
 Many – Greater than 8%

These Modifiers Provide Our Estimate of the Amount of Other Components (Shell, Gravel, Etc.) in the Soil Sample

Trace – 5% or less
 Few – 6% to 12%
 Some – 13% to 30%
 Many – 31% to 50%

R E V I S I O N S

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



Poulos & Bennett, LLC
 2602 E. Livingston St., Orlando, FL 32803
 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

*OSCEOLA COUNTY
 PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING*

ROADWAY SOIL BORINGS

SHEET
NO.

73

Z:\2017\17-042 TAMISOCK - SUNBRIDGE\CHRISS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CO&M-RSS



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.1

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-01** STA 13+66.05 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 5/6/20

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 6.0 DATE FINISHED: 5/6/20

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 5/6/2020 DRILLED BY: ORL - JB/CM/JM
EST. SHGWT (ft): 3.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dark brown fine SAND with silt [SP-SM]						
						-- red brown						
5						-- medium dense						
6-9-8		17				Medium dense brown fine SAND [SP]						
8-9-8		17										
10		4-5-7	12									
15		5-7-9	16			BORING TERMINATED AT 15.0 FEET						

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.2

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-02** STA 17+03.79 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 5/6/20

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 3.5 DATE FINISHED: 5/6/20

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 5/6/2020 DRILLED BY: ORL - JB/CM/JM
EST. SHGWT (ft): 0.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Mix light grey dark brown fine SAND [SP]						
						-- very light grey						
5						-- loose, dark brown						
3-3-5		8				-- medium dense						
6-7-9		16										
10		6-6-9	15									
15		7-5-4	9			-- loose, brown						
						BORING TERMINATED AT 15.0 FEET						

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

POULOS & BENNETT
Poulos & Bennett, LLC
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Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS

SHEET NO.

74



UNIVERSAL ENGINEERING SCIENCES
BORING LOG

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.3

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-03** STA 20+71.85 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN

G.S. ELEVATION (ft): N.S. DATE STARTED: 5/6/20
WATER TABLE (ft): 4.0 DATE FINISHED: 5/6/20
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER
DATE OF READING: 5/6/2020 DRILLED BY: ORL - JB/CM/JM
EST. SHGWT (ft): 1.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dark brown fine SAND with silt [SP-SM]						
4-3-2		5				-- loose						
1-1-1		2				-- very loose						
3-3-3		6				-- loose						
4-7-6		13				-- medium dense, brown						
15						BORING TERMINATED AT 15.0 FEET						

W-10998.GPJ



UNIVERSAL ENGINEERING SCIENCES
BORING LOG

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.4

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-04** STA 25+65.57 RT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/14/21
WATER TABLE (ft): 2.5 DATE FINISHED: 1/14/21
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER
DATE OF READING: 1/14/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): S.W. TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Very dark brown silty fine SAND with trace organics [SM]						
								22				3
						Mix brown fine SAND with silt [SP-SM]						
						-- loose, grey						
2-3-3		6				-- brown grey						
3-4-4		8										
5-3-2		5				Loose brown grey silty fine SAND with trace organics [SM]						
								37				4
3-3-4		7				Loose brown fine SAND with silt [SP-SM]						
						-- very dark brown						
3-2-3		5				BORING TERMINATED AT 20.0 FEET						

W-10998.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

POULOS & BENNETT
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS

SHEET NO.

75



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.5

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

BORING I.D.: **CD-05** STA 30+52.37 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): 2.9 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW
EST. SHGWT (ft): 0.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2.5" LIMEROCK BASE						
		16-26-37	63			Very dense dark grey brown fine SAND with sit [SP-SM]						
		9-13-12	25			-- medium dense, brown						
5		7-5-6	11			-- loose						
		5-5-4	9			BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.6

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

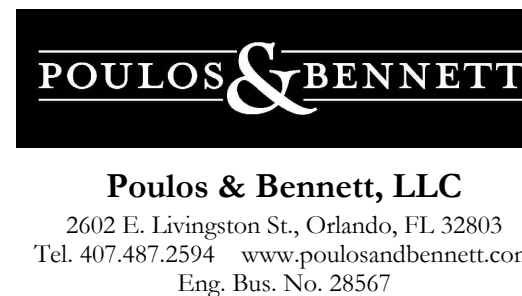
BORING I.D.: **CD-06** STA 35+56.31 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): > 7.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): > 5.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2.5" LIMEROCK BASE						
		22-16-16	32			Dense dark red brown fine SAND [SP]						
		14-14-11	25			-- medium dense, light brown						
5		5-6-6	12			-- red brown						
		7-5-4	9			-- loose						
						BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



*OSCEOLA COUNTY
PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS*

SHEET NO.

76



UNIVERSAL ENGINEERING SCIENCES
BORING LOG

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.7

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-07** STA 40+73.67 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/14/21

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 12.0 DATE FINISHED: 1/14/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 1/14/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): > 10.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Mix grey fine SAND [SP]						
						-- very light grey						
5						-- medium dense						
4-6-5		11										
5-6-5		11				-- grey						
6-8-11		19					2	5				
10						-- dark grey						
15						-- dark brown						
7-7-9		16										
12-13-16		29										
20						BORING TERMINATED AT 20.0 FEET						

W-10988.GPJ



UNIVERSAL ENGINEERING SCIENCES
BORING LOG

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.8

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-08** STA 45+74.84 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): > 7.0 DATE FINISHED: 1/18/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

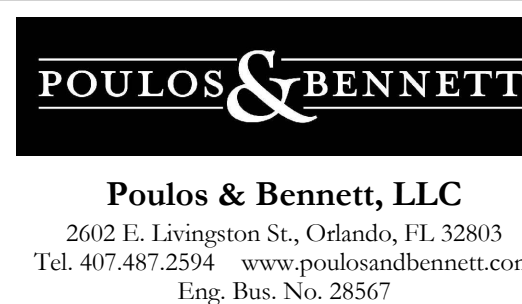
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): > 5.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2" LIMEROCK BASE						
						Very dense light brown fine SAND [SP]						
19-24-32		56				-- dense, light grey brown						
18-20-15		35				-- medium dense, light brown						
5						-- loose, very light grey						
6-9-8		17										
7-5-5		10										
10						BORING TERMINATED AT 7.0 FEET						
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS

SHEET NO.

77



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.9

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-09** STA 50+72.90 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): > 7.0 DATE FINISHED: 1/18/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW
EST. SHGWT (ft): > 5.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Very dense dark grey brown fine SAND [SP]						
		19-24-36	60			-- dense, grey brown						
		11-14-17	31			-- medium dense						
5		11-8-7	15			-- brown						
		8-7-6	13			BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.10

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-10** STA 55+75.53 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/14/21
WATER TABLE (ft): 8.0 DATE FINISHED: 1/14/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

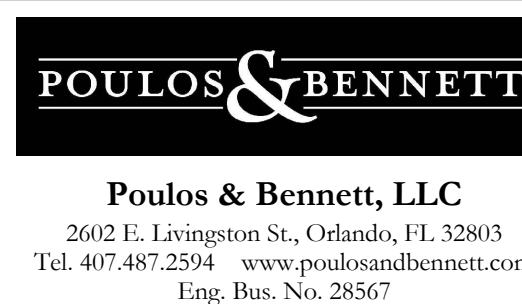
DATE OF READING: 1/14/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): 5.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dark grey fine SAND [SP]						
						-- grey						
5						-- loose						
		3-4-3	7			-- grey brown	5	10				
		3-4-4	8									
10		4-3-4	7									
						-- medium dense, mix dark brown grey						
15		6-7-6	13									
						Medium dense dark grey fine SAND with silt [SP-SM]						
20		9-11-16	27			BORING TERMINATED AT 20.0 FEET						

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



*OSCEOLA COUNTY
PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS*

SHEET NO.

78

Z:\2017\17-042 TAVISOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-10208-CD&M-RSS



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.11

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

BORING I.D.: **CD-11** STA 60+77.92 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): 5.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dense dark grey brown fine SAND [SP]						
		10-12-27	39	▽		-- medium dense, red brown						
		10-13-10	23			-- light red brown						
5		6-7-5	12	▽		-- loose, dark red brown						
		4-3-4	7			BORING TERMINATED AT 7.0 FEET	7	24				
10												
15												
20												

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.12

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

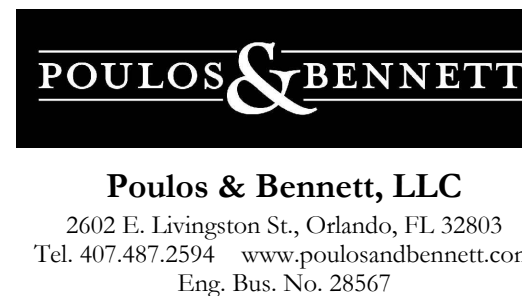
BORING I.D.: **CD-12** STA 65+82.06 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): > 7.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): > 5.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2" LIMEROCK BASE						
						Dense grey brown fine SAND with silt [SP-SM]						
		16-22-19	41			-- medium dense, dark red brown						
		7-9-7	16									
5		6-8-10	18									
		11-9-7	16			BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



*OSCEOLA COUNTY
PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS*

SHEET NO.

79

Z:\2017\17-042 TAVISOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CD&M-RSS



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.13

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

BORING I.D.: **CD-13** STA 70+82.53 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/13/21
WATER TABLE (ft): 2.5 DATE FINISHED: 1/13/21
DATE OF READING: 1/13/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): S.W. TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dark grey fine SAND with silt [SP-SM]						
						-- very dark grey						
						-- mix brown						
5						-- medium dense, dark brown	6	21				
		3-4-7	11									
		6-7-11	18			-- loose						
10		5-6-4	10									
15		4-4-6	10			-- dense, brown						
20		12-16-16	32			BORING TERMINATED AT 20.0 FEET						

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.14

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

BORING I.D.: **CD-14** STA 75+96.46 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): 5.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2" LIMEROCK BASE						
						Very dense dark grey brown fine SAND with silt [SP-SM]						
		22-26-34	60			-- dense, light brown						
		13-17-16	33			-- loose, very light brown						
5		8-5-3	8			-- dense, brown						
		8-15-16	31			BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

POULOS & BENNETT
Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS

SHEET NO.

80



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.15

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

BORING I.D.: **CD-15** STA 81+09.10 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): 5.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						1.5" LIMESTONE BASE						
		7-9-11	20	▽		Medium dense dark brown fine SAND with silt [SP-SM]						
						-- light brown						
		10-13-10	23			-- brown						
5		9-7-9	16	▽		-- dark brown						
		7-9-8	17			BORING TERMINATED AT 7.0 FEET						

W-10998.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.16

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA
CLIENT: POULOS & BENNETT, INC.
LOCATION: SEE BORING LOCATION PLAN
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

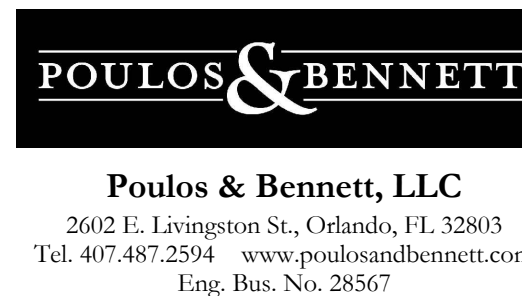
BORING I.D.: **CD-16** STA 86+27.60 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:
G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
WATER TABLE (ft): 5.0 DATE FINISHED: 1/18/21
DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Dark grey fine SAND [SP]						
						-- mix grey						
						Mix grey fine SAND with silt [SP-SM]						
5				▽		-- medium dense, brown						
		4-5-6	11			-- loose						
		4-3-4	7			-- medium dense, dark brown, hard pan	6	20				
10		7-8-8	16									
						-- dense, very dark brown						
15		9-16-19	35									
						-- medium dense, brown						
20		10-13-16	29			BORING TERMINATED AT 20.0 FEET						

W-10998.GPJ

R E V I S I O N S

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS

SHEET NO.

81



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.17

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-17** STA 91+46.66 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC. G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
LOCATION: SEE BORING LOCATION PLAN WATER TABLE (ft): 6.0 DATE FINISHED: 1/18/21
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): 3.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2.5" ASPHALT						
						2" LIMEROCK BASE						
						Very dense grey brown fine SAND with silt [SP-SM]						
		26-29-32	61			-- dense, light grey brown						
		14-17-14	31	▽		-- medium dense, dark red brown						
5		6-8-9	17			-- loose, grey brown						
		6-5-5	10	▽								
						BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.18

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-18** STA 96+64.58 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

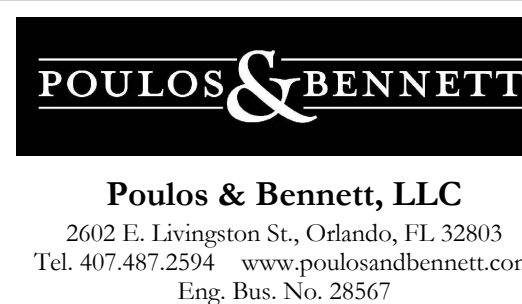
CLIENT: POULOS & BENNETT, INC. G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21
LOCATION: SEE BORING LOCATION PLAN WATER TABLE (ft): 5.3 DATE FINISHED: 1/18/21
REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): 3.0 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2" LIMEROCK BASE						
						Medium dense dark grey brown fine SAND [SP]						
		10-13-13	26	▽		-- dark red brown						
		11-13-16	29									
						Medium dense brown fine SAND with silt [SP-SM]						
5		10-9-9	18	▽								
		5-8-7	15									
						BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



*OSCEOLA COUNTY
PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ROADWAY SOIL BORINGS*

SHEET NO.

82

Z:\2017\17-042 TAVISOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CD&M-RSS



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.19

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-19** STA 101+88.09 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/13/21

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 5.0 DATE FINISHED: 1/13/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 1/13/2021 DRILLED BY: ORL - DW/DM
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Mix grey fine SAND [SP]						
						Brown fine SAND with silt [SP-SM]						
5						-- medium dense						
		6-6-7	13			-- loose						
		3-3-4	7				6	24				
		3-4-4	8									
10												
						-- medium dense, dark brown						
15		9-10-17	27									
						-- dense						
20		20-21-20	41			BORING TERMINATED AT 20.0 FEET						

W-10988.GPJ



**UNIVERSAL ENGINEERING SCIENCES
BORING LOG**

PROJECT NO.: 0130.1700290.0013
REPORT NO.: 1765631.V3
PAGE: B-2.20

PROJECT: LIMITED GEOTECHNICAL EXPLORATION
CYRILS DRIVE ROADWAY WIDENING
OSCEOLA COUNTY, FLORIDA

BORING I.D.: **CD-20** STA 105+04.88 LT SHEET: **1 of 1**
SECTION: TOWNSHIP: RANGE:

CLIENT: POULOS & BENNETT, INC.

G.S. ELEVATION (ft): N.S. DATE STARTED: 1/18/21

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.9 DATE FINISHED: 1/18/21

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, S.W. = STANDING WATER

DATE OF READING: 1/18/2021 DRILLED BY: ORL - DW/CM/TA
EST. SHGWT (ft): 2.5 TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLING	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						2" ASPHALT						
						2" LIMEROCK BASE						
						Medium dense dark grey brown fine SAND [SP]						
		14-16-11	27			-- light grey brown						
		10-11-10	21									
5		5-6-6	12			-- dark grey brown, trace roots						
		6-9-10	19									
						BORING TERMINATED AT 7.0 FEET						
10												
15												
20												

W-10988.GPJ

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



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Tel. 407.487.2594 www.poulosandbennett.com
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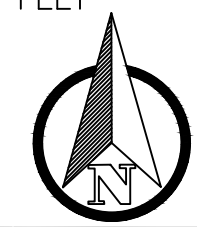
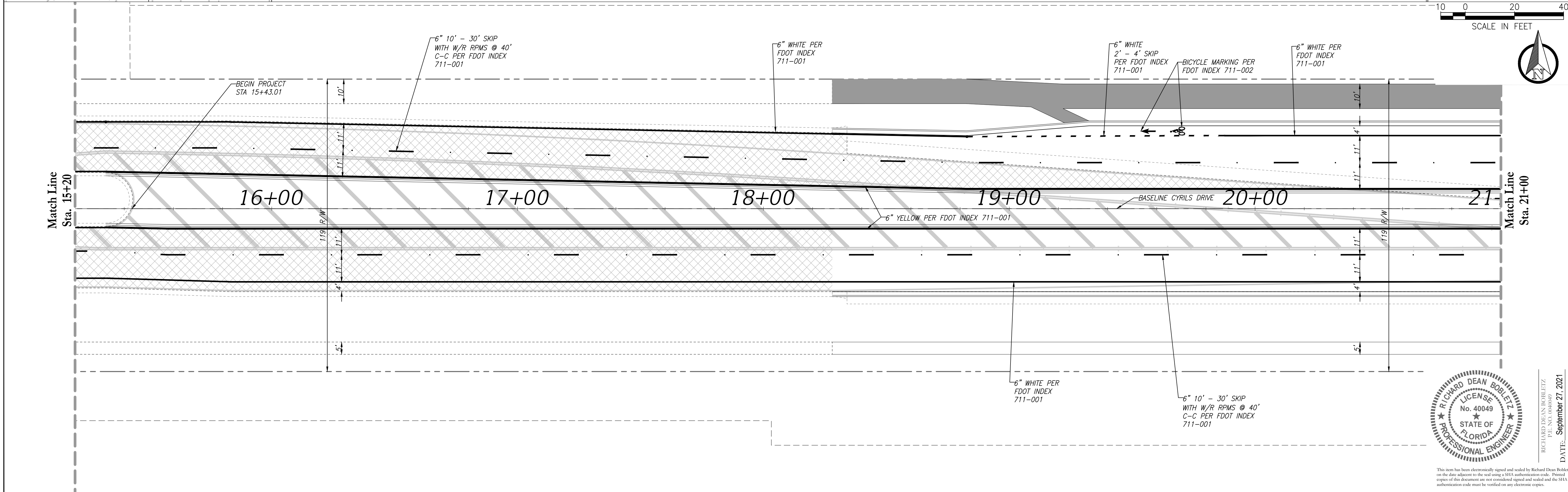
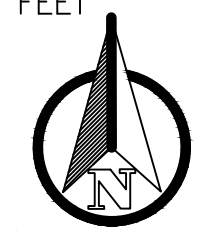
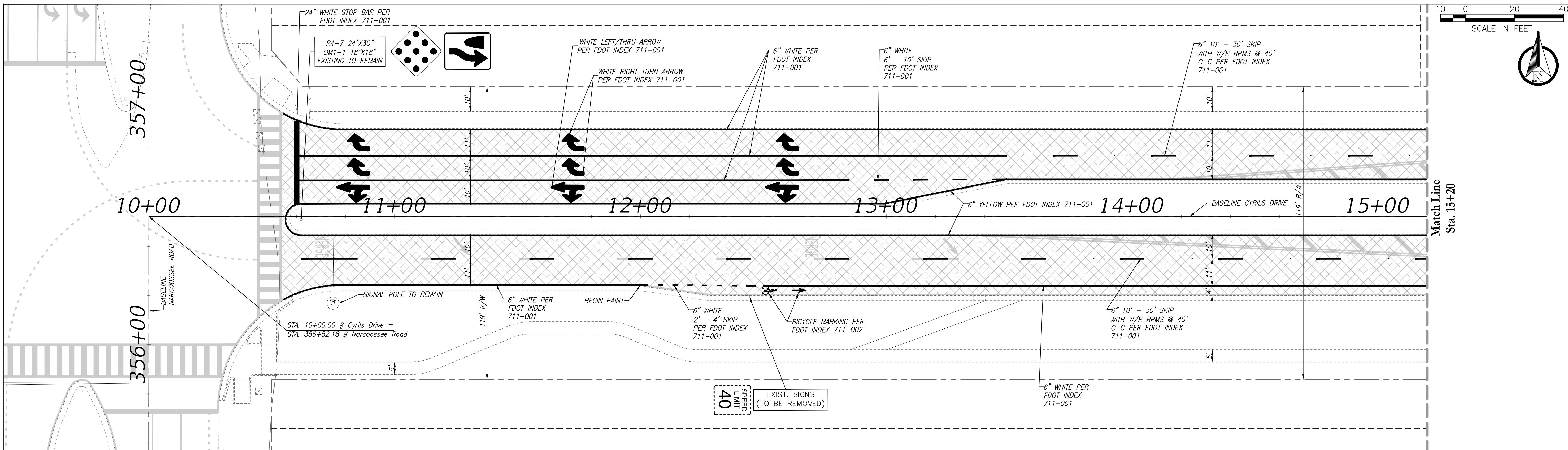
*OSCEOLA COUNTY
PROJECT NO. (XXXX)*

*CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING*

ROADWAY SOIL BORINGS

SHEET NO.

83



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

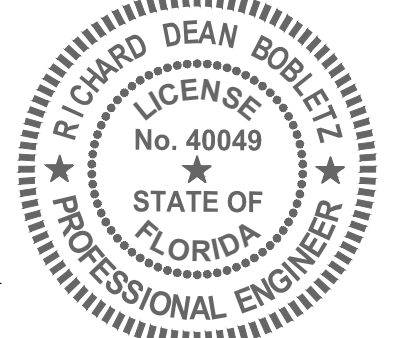
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 Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
SIGNING AND PAVEMENT MARKING

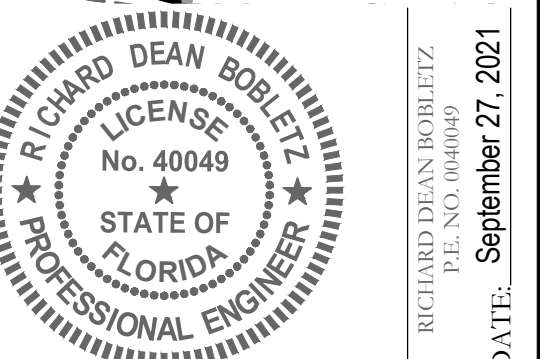
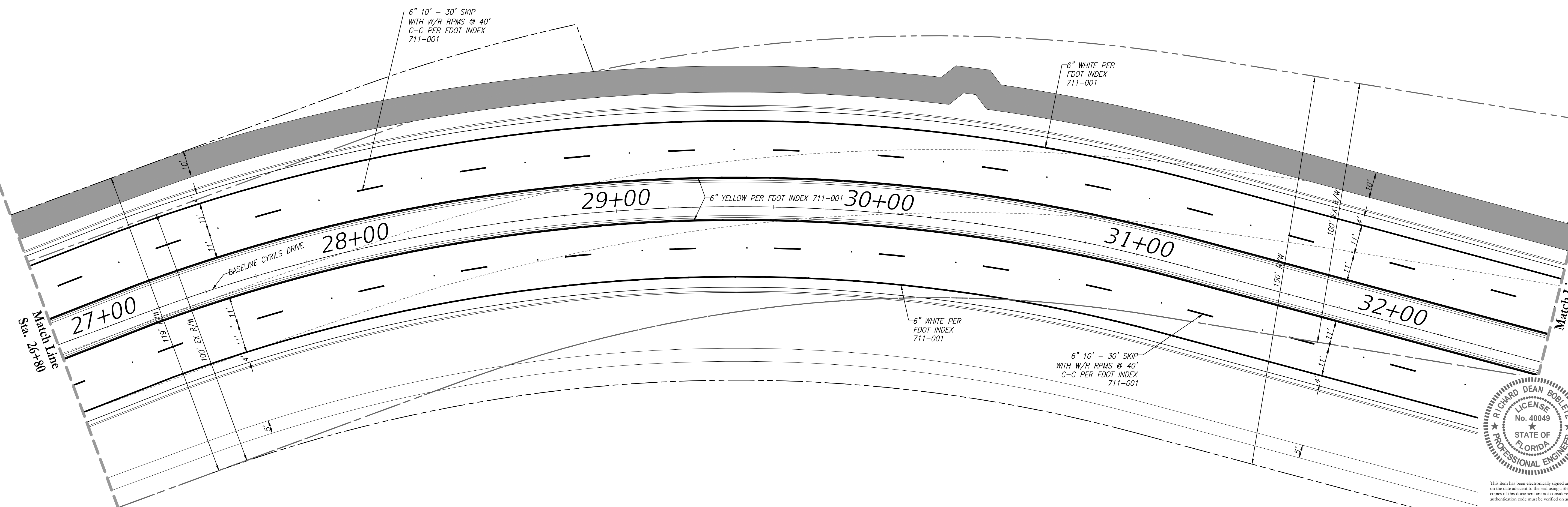
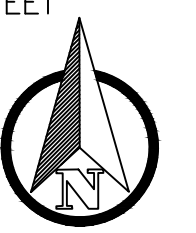
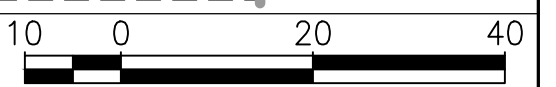
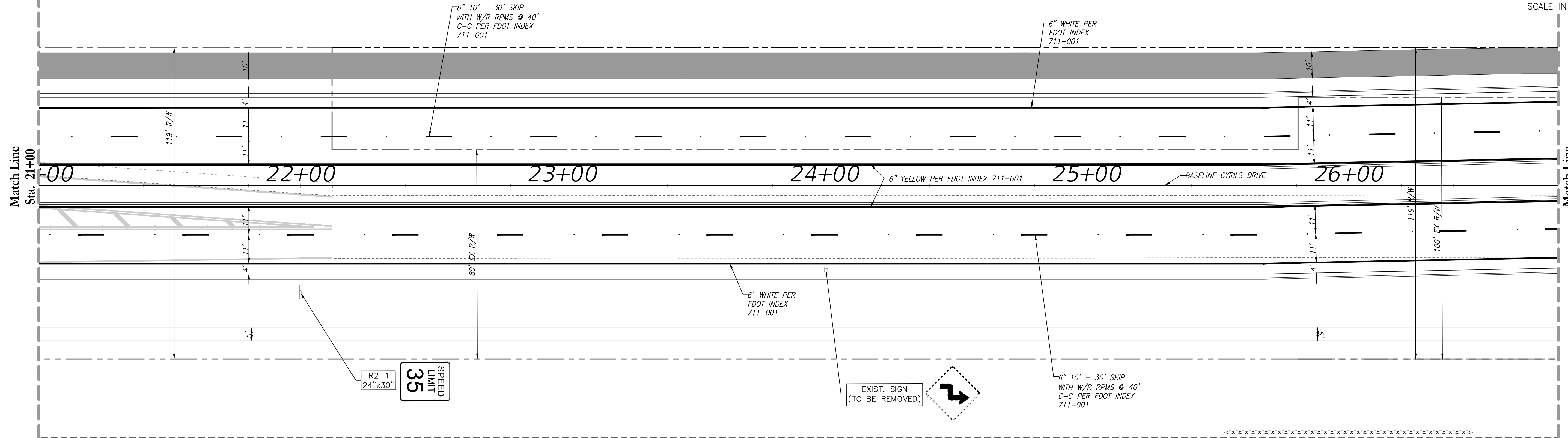
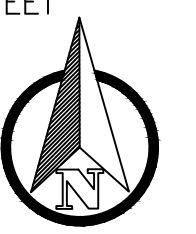
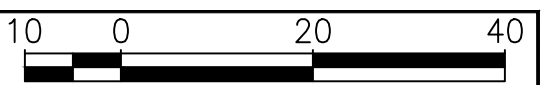
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84



RICHARD DEAN BOBLETZ
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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RICHARD DEAN BOBLETZ
DATE: September 27, 2021

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



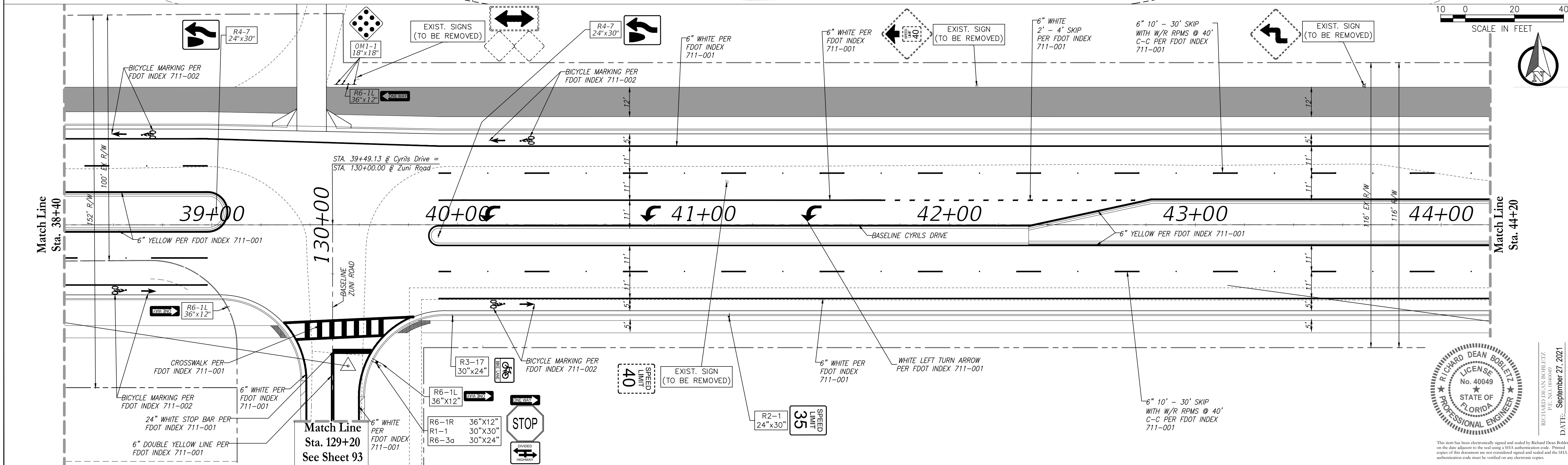
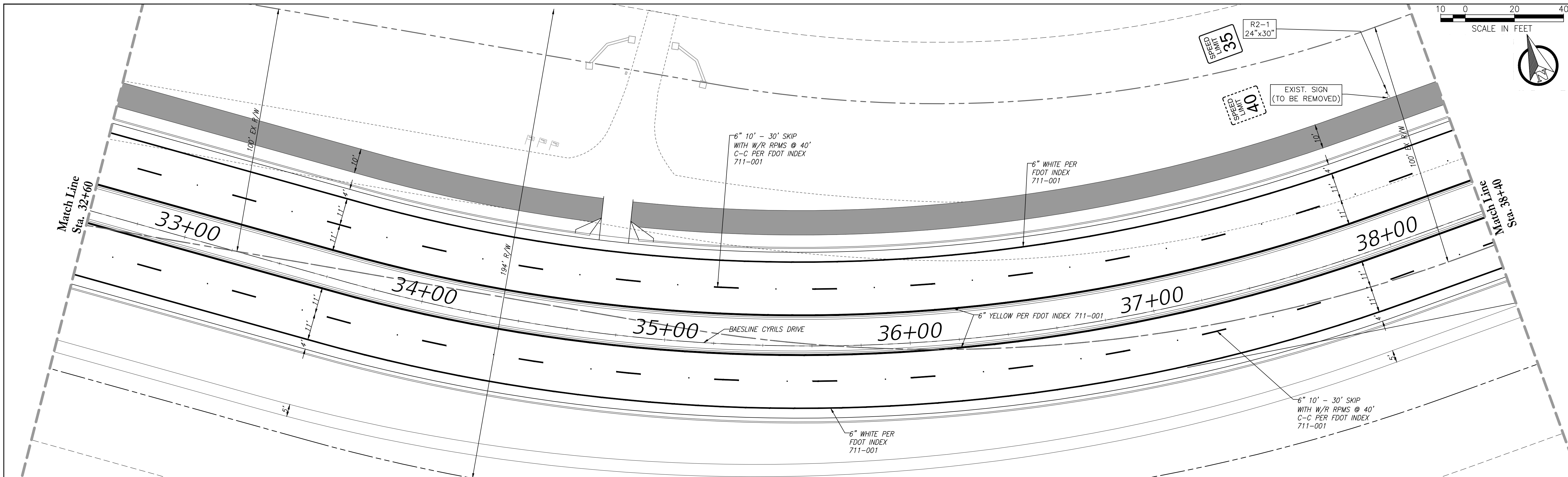
Poulos & Bennett, LLC
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Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
SIGNING AND PAVEMENT MARKING

SHEET NO.
85

Z:\2017\17-042 TAVIS/STOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CD&M-SSP



REVISIONS

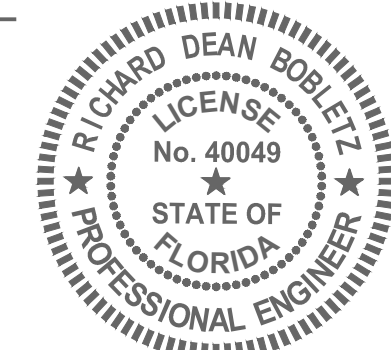
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		

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 Tel. 407.487.2394 www.poulosandbennett.com
 Eng. Bus. No. 28567

OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 SIGNING AND PAVEMENT MARKING

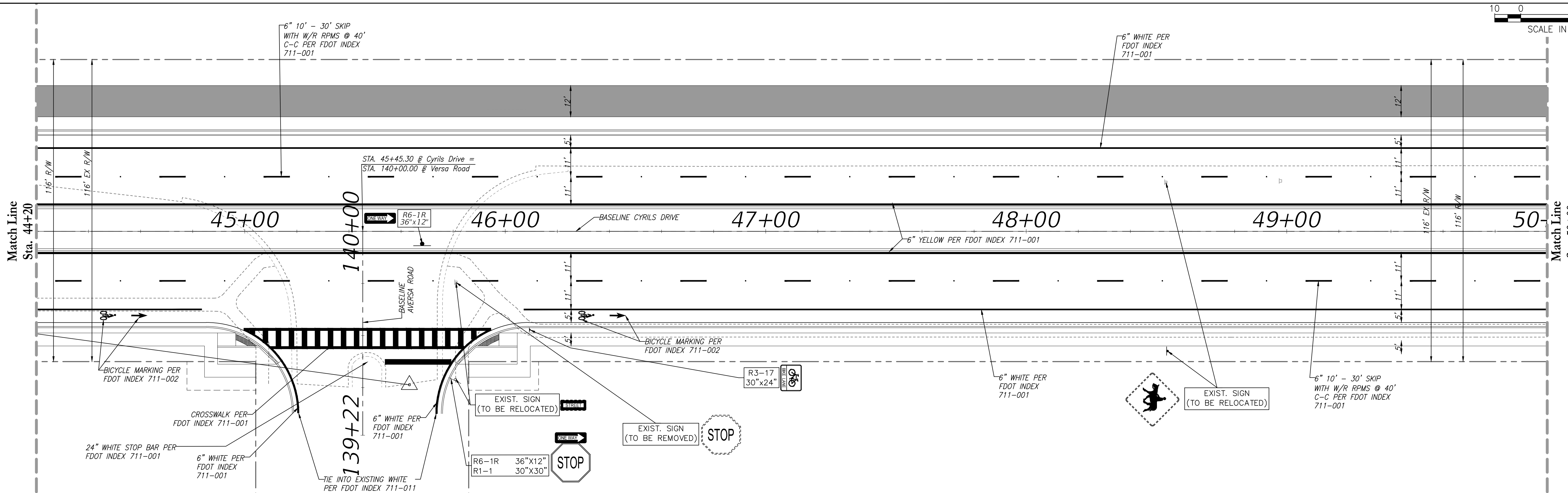
SHEET NO.
 86



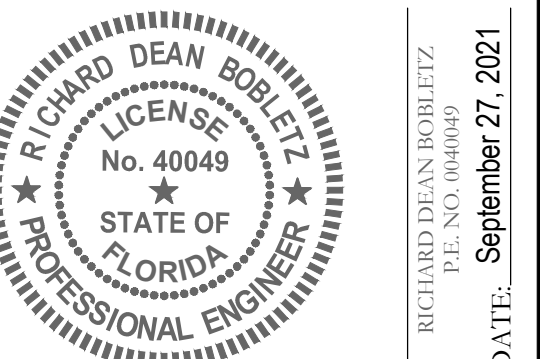
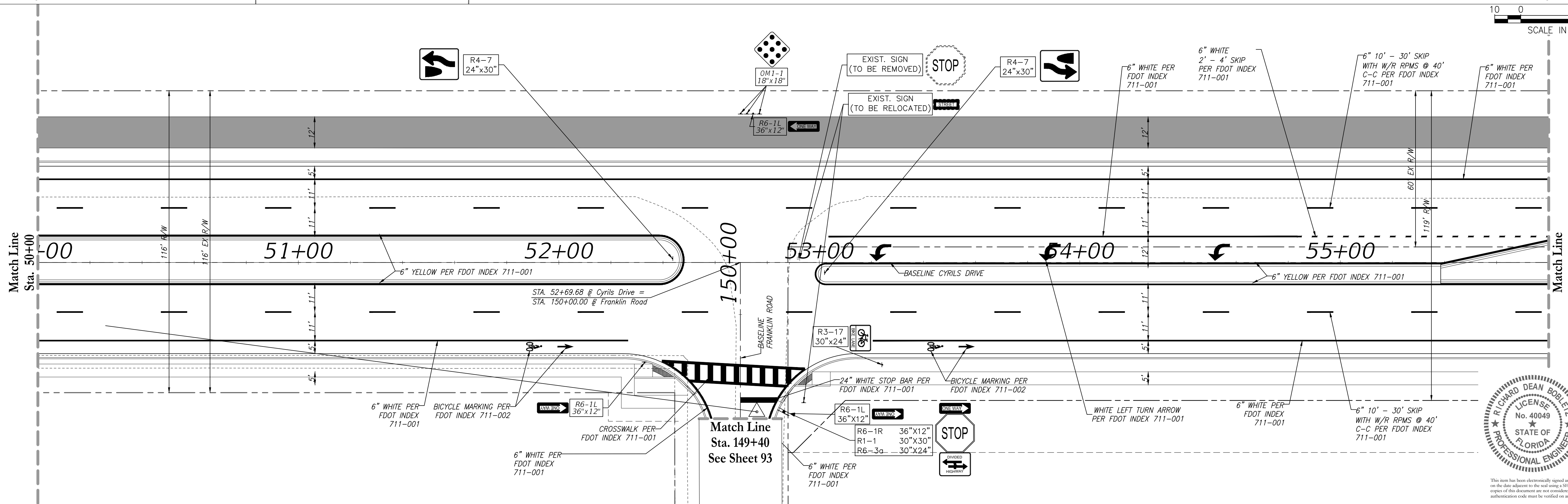
RICHARD DEAN BOBLETZ
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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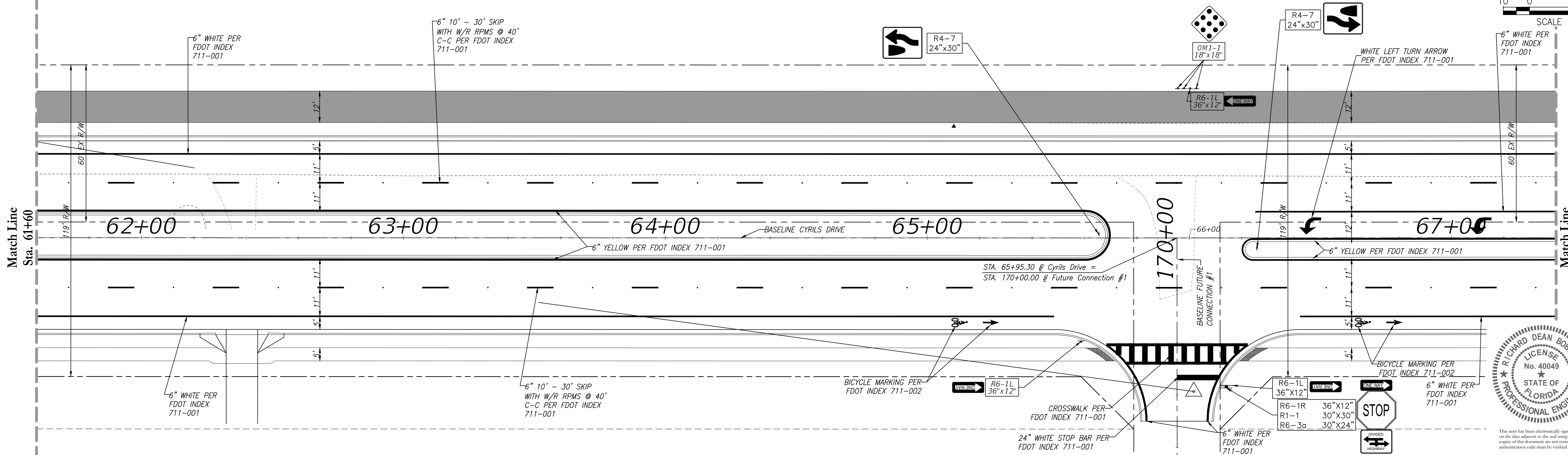
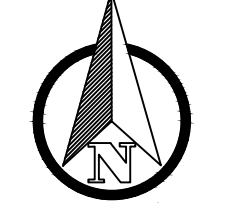
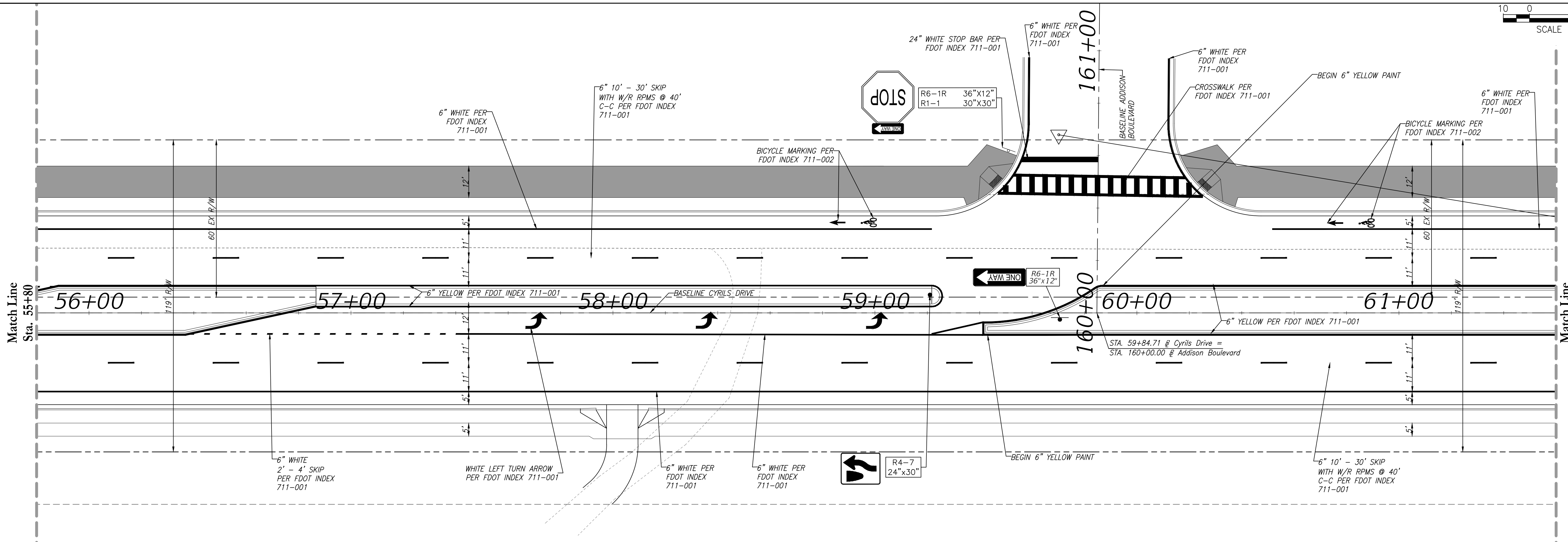
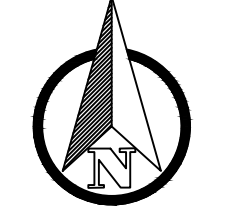
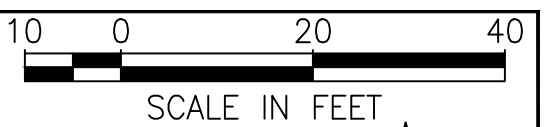
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DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
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09-XX-2021	60% SUBMITTAL		

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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 SIGNING AND PAVEMENT MARKING

SHEET NO.
 87



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09-XX-2021	60% SUBMITTAL		

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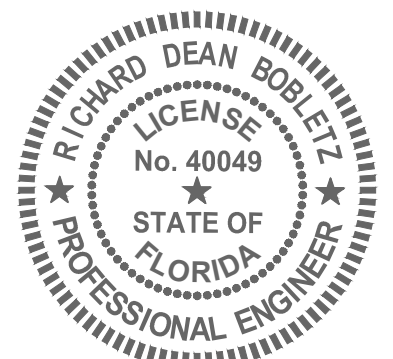
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

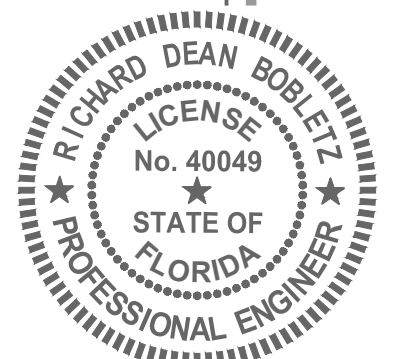
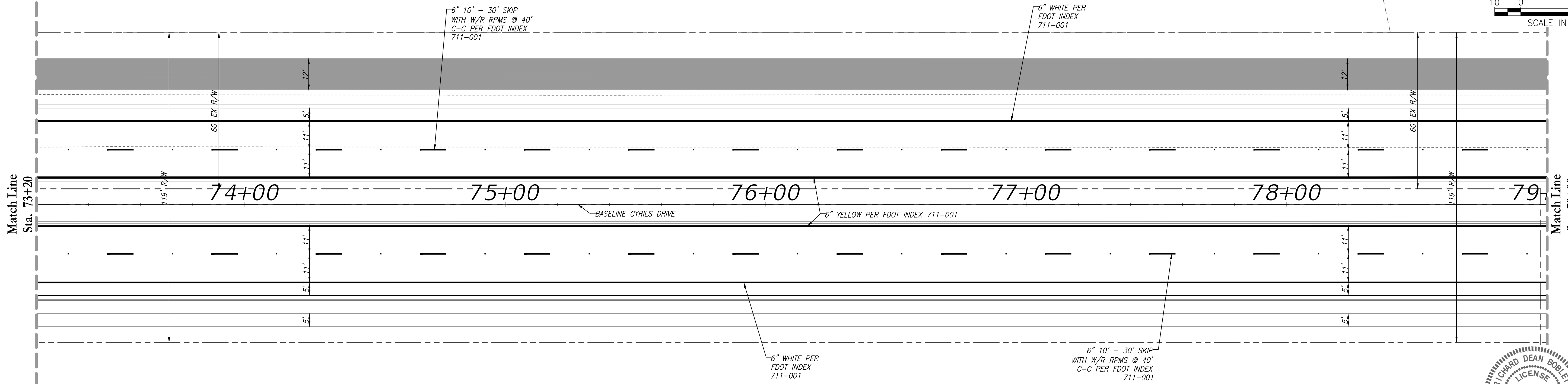
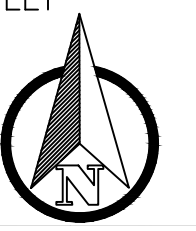
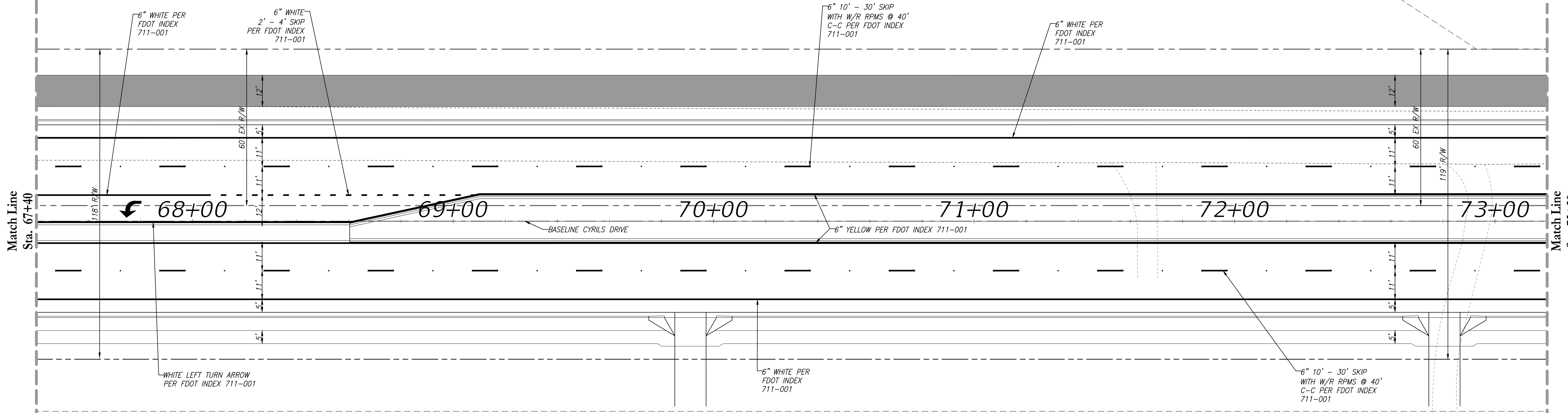
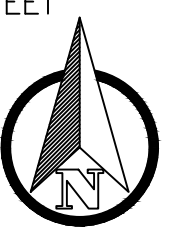
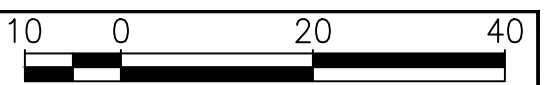
CYRILS DRIVE / NARCOOSSEE ROAD TO
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SIGNING AND PAVEMENT MARKING

SHEET NO.
 88



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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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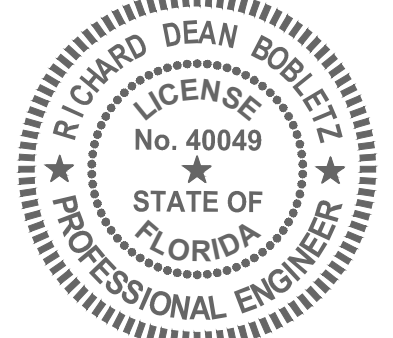
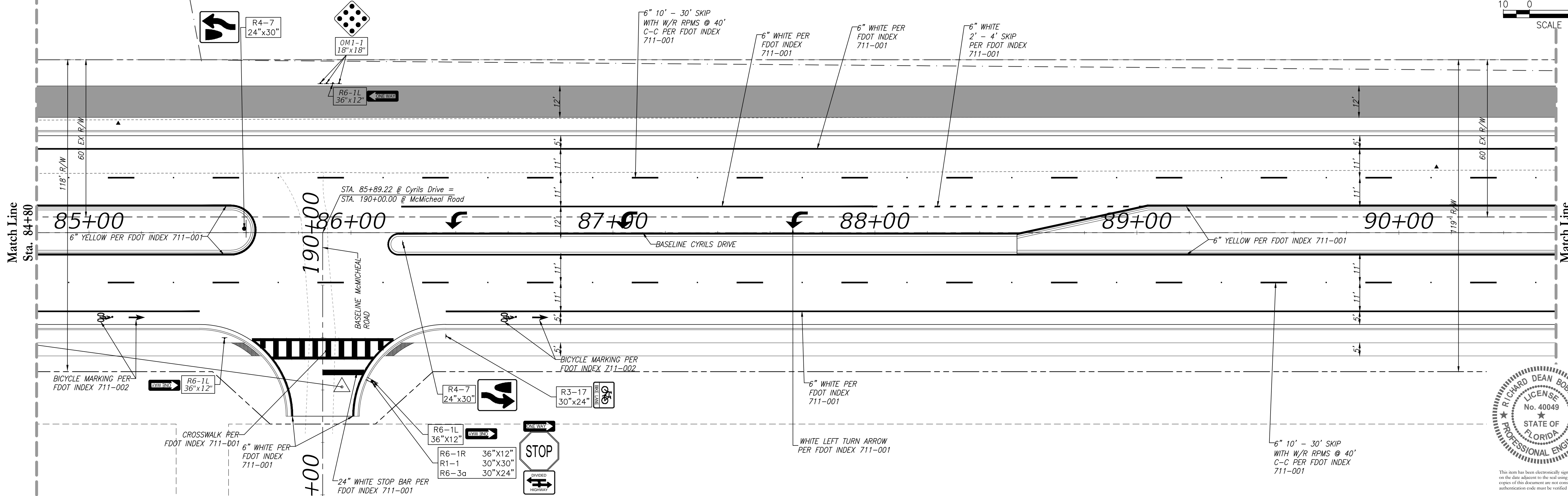
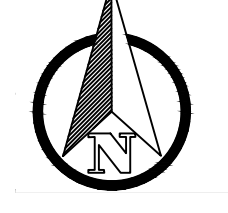
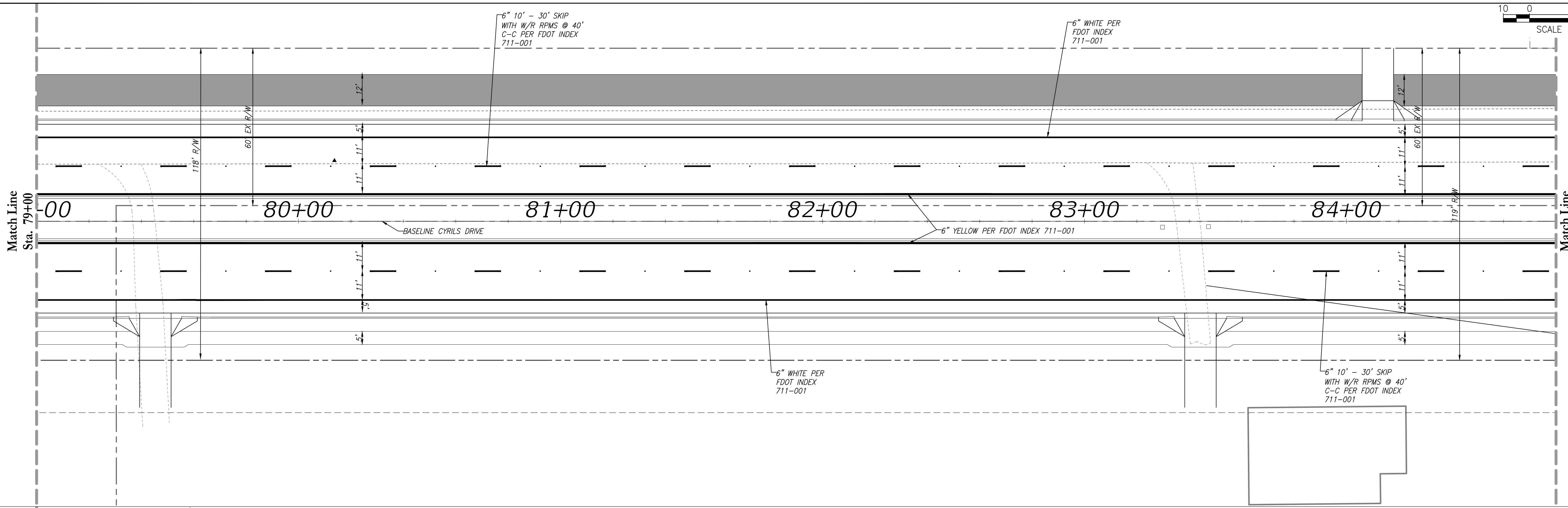
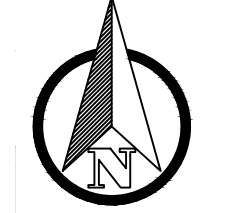
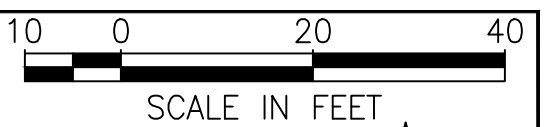
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 SIGNING AND PAVEMENT MARKING

SHEET NO.
 89

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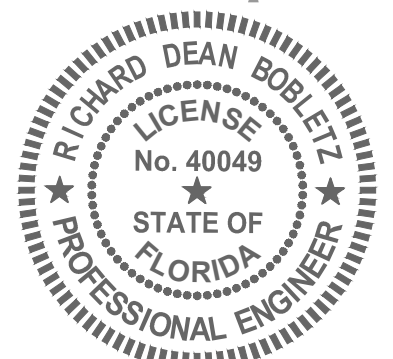
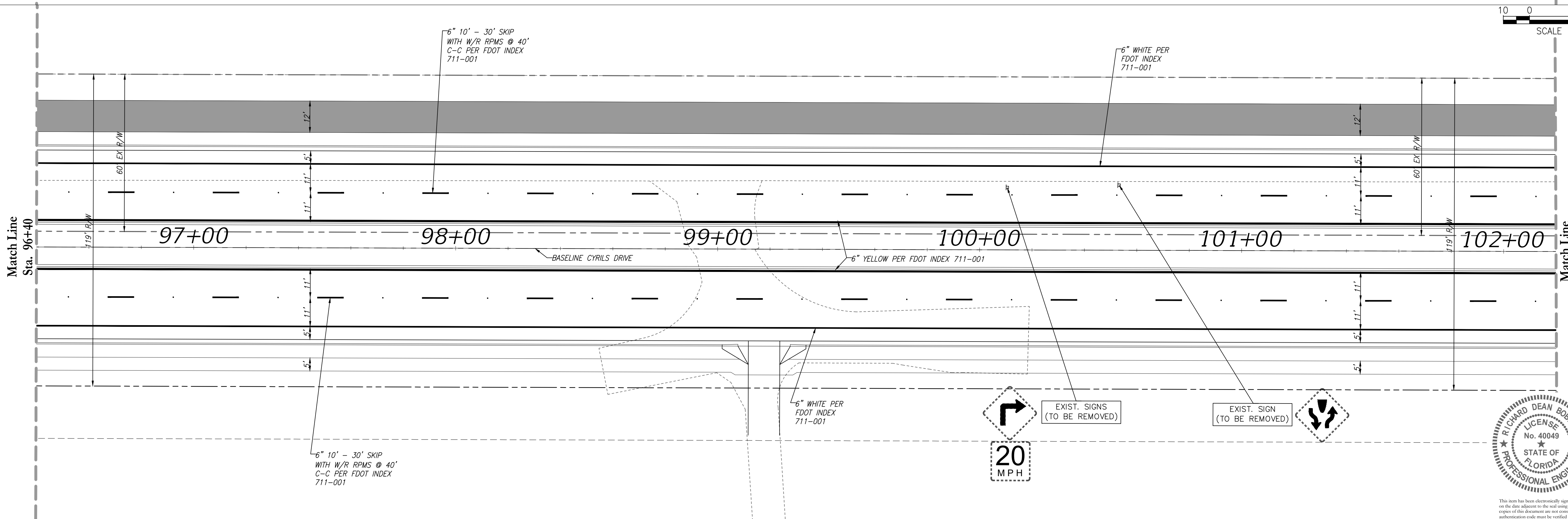
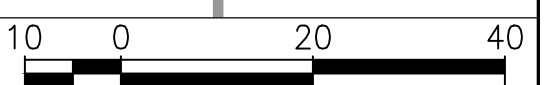
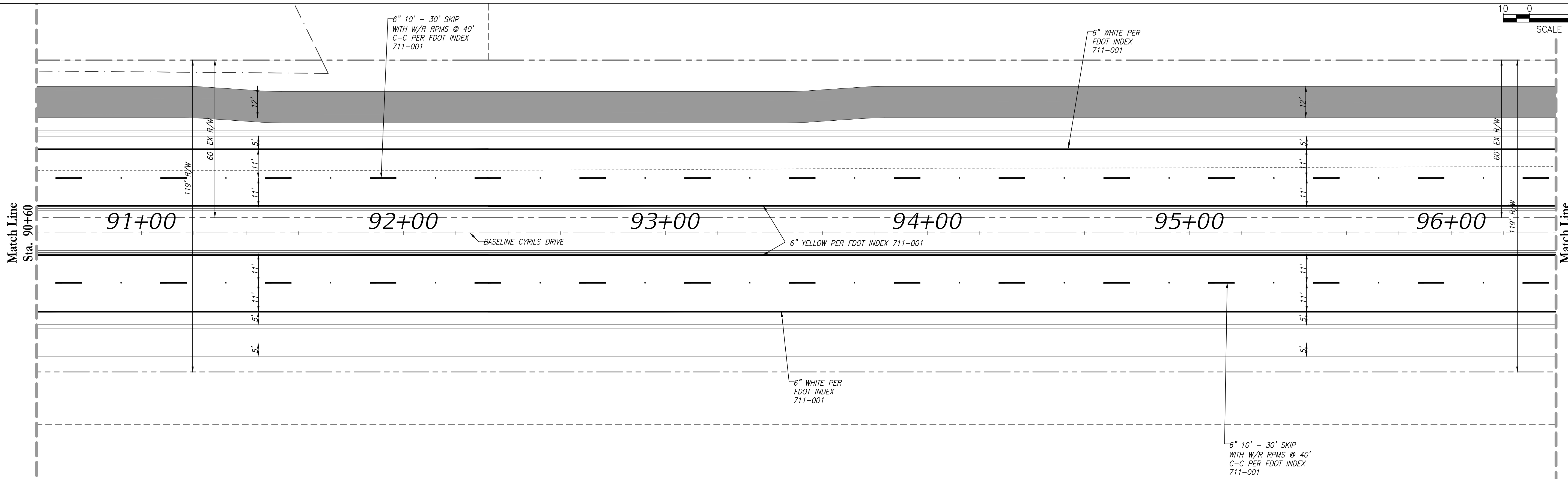
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OSCEOLA COUNTY
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SHEET NO.
 90

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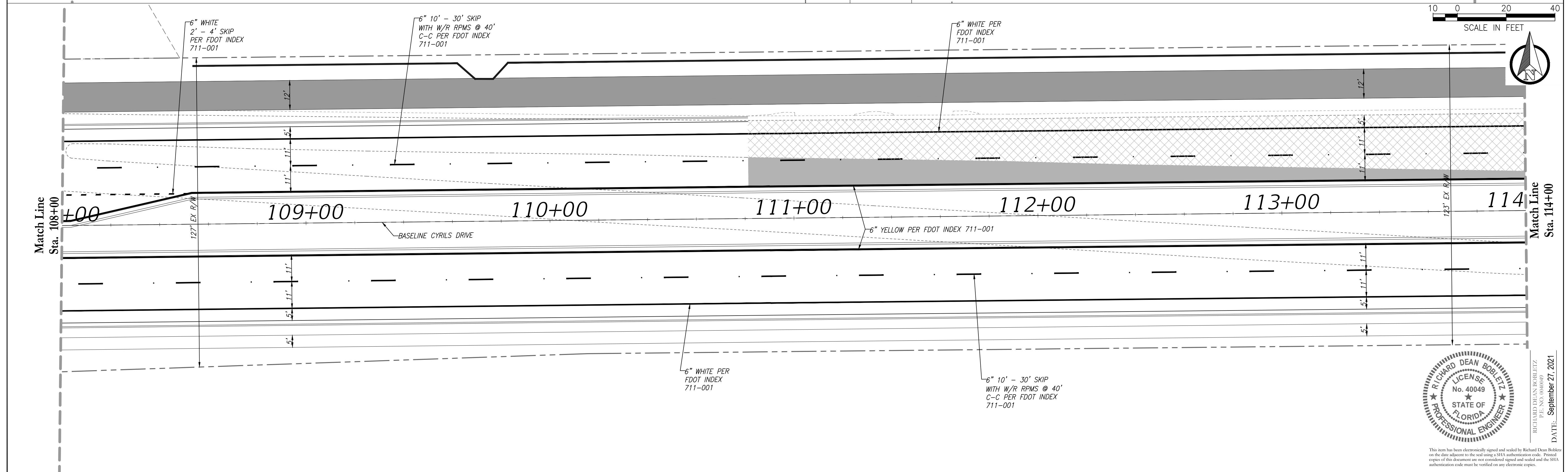
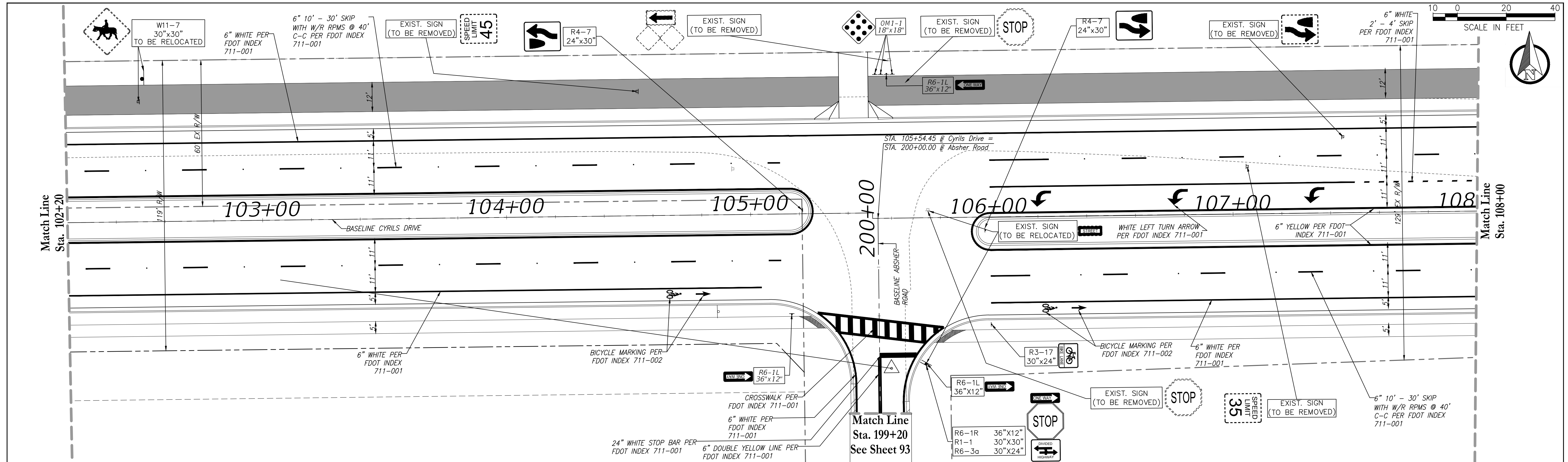
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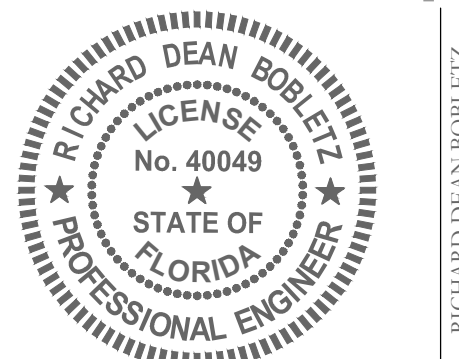
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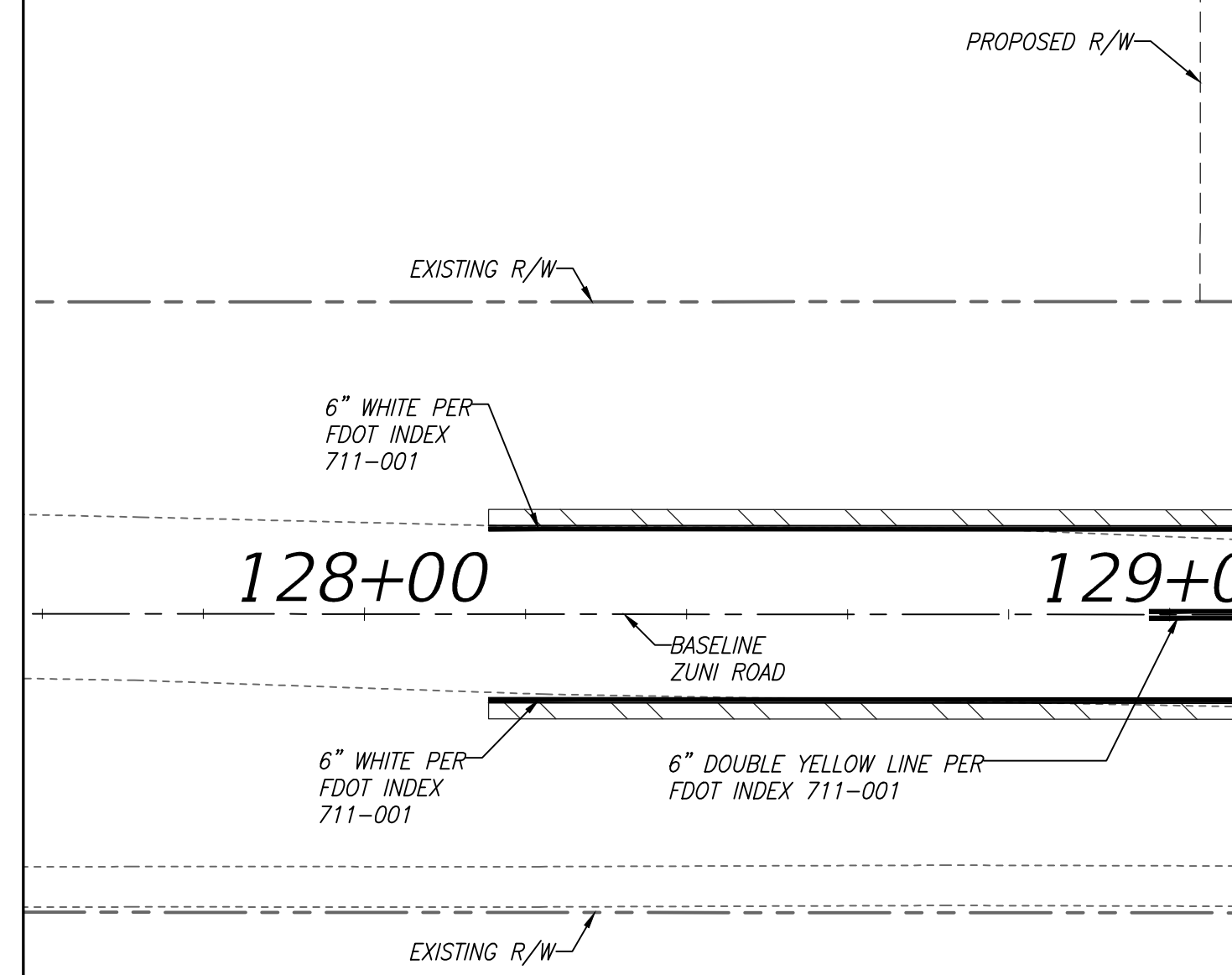
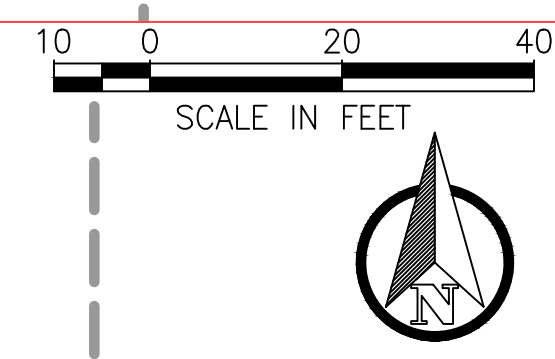
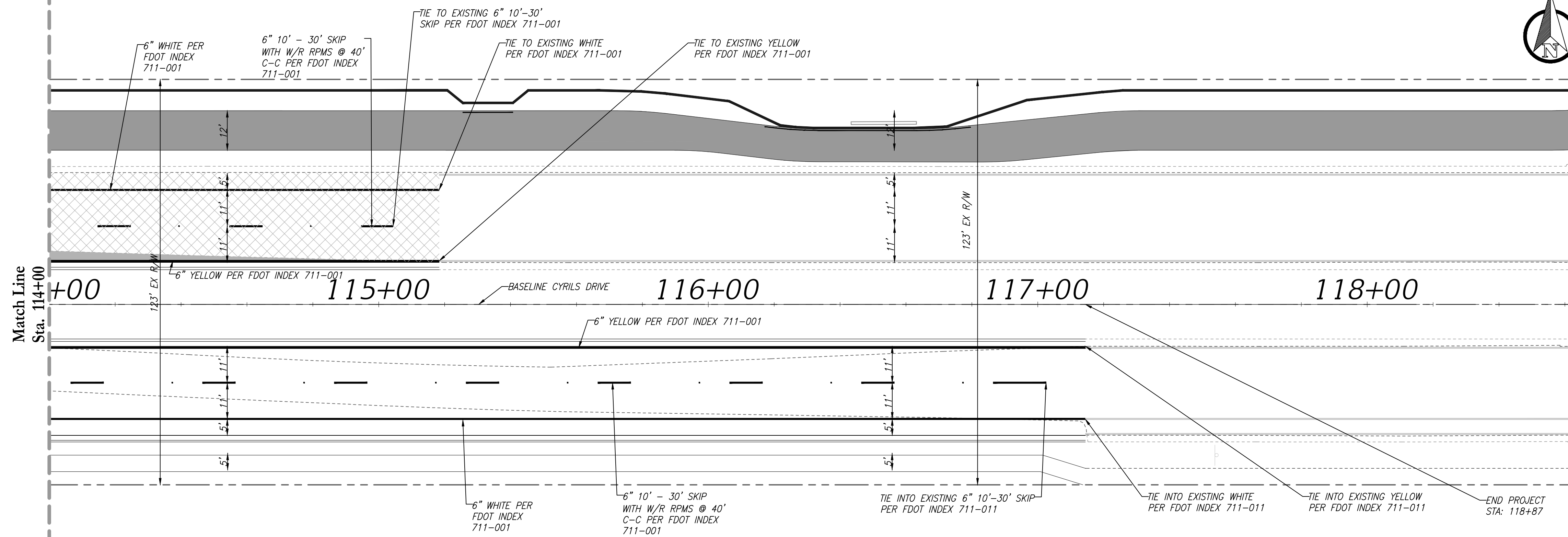
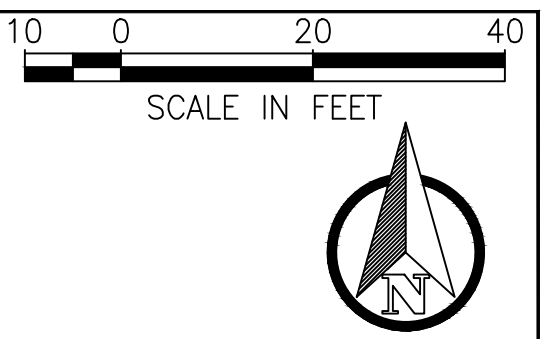
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 SIGNING AND PAVEMENT MARKING

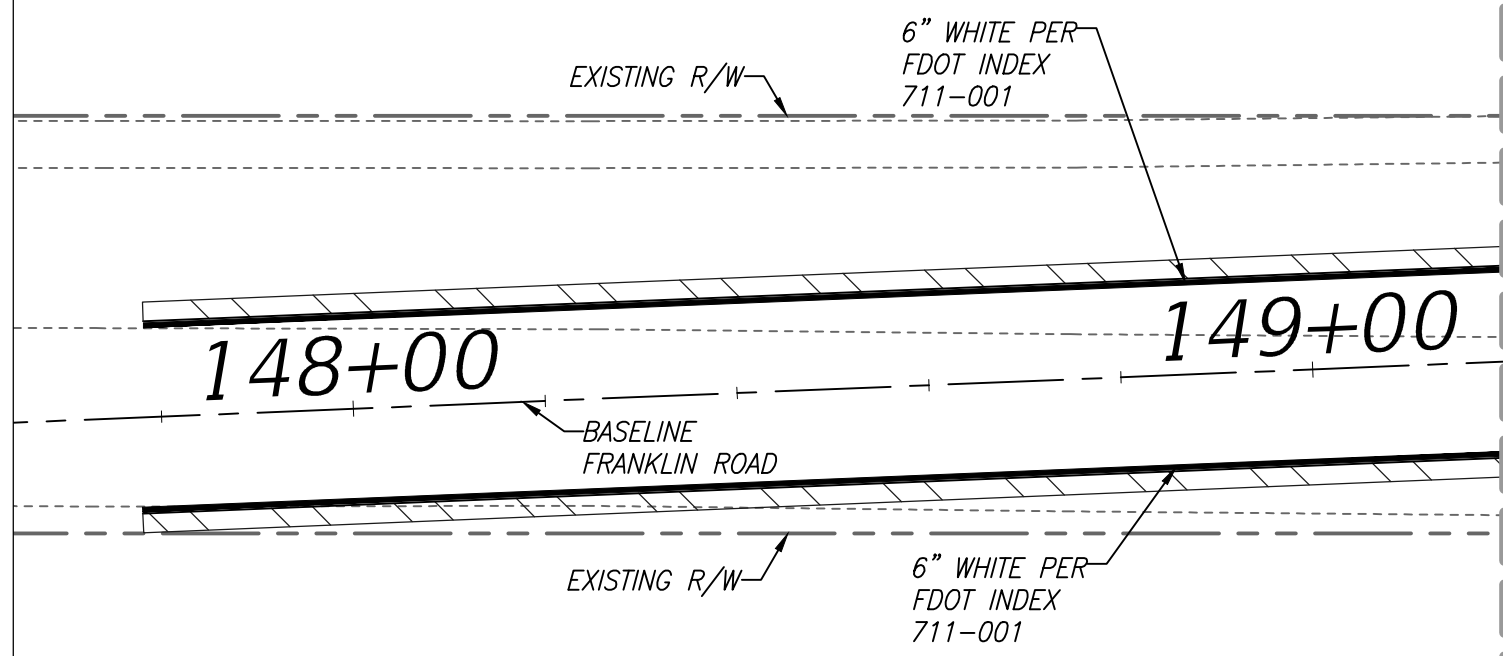
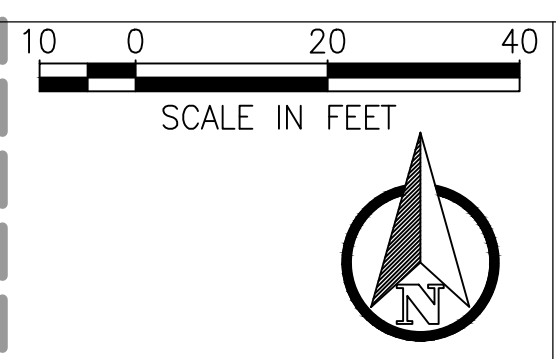
SHEET NO.
 92



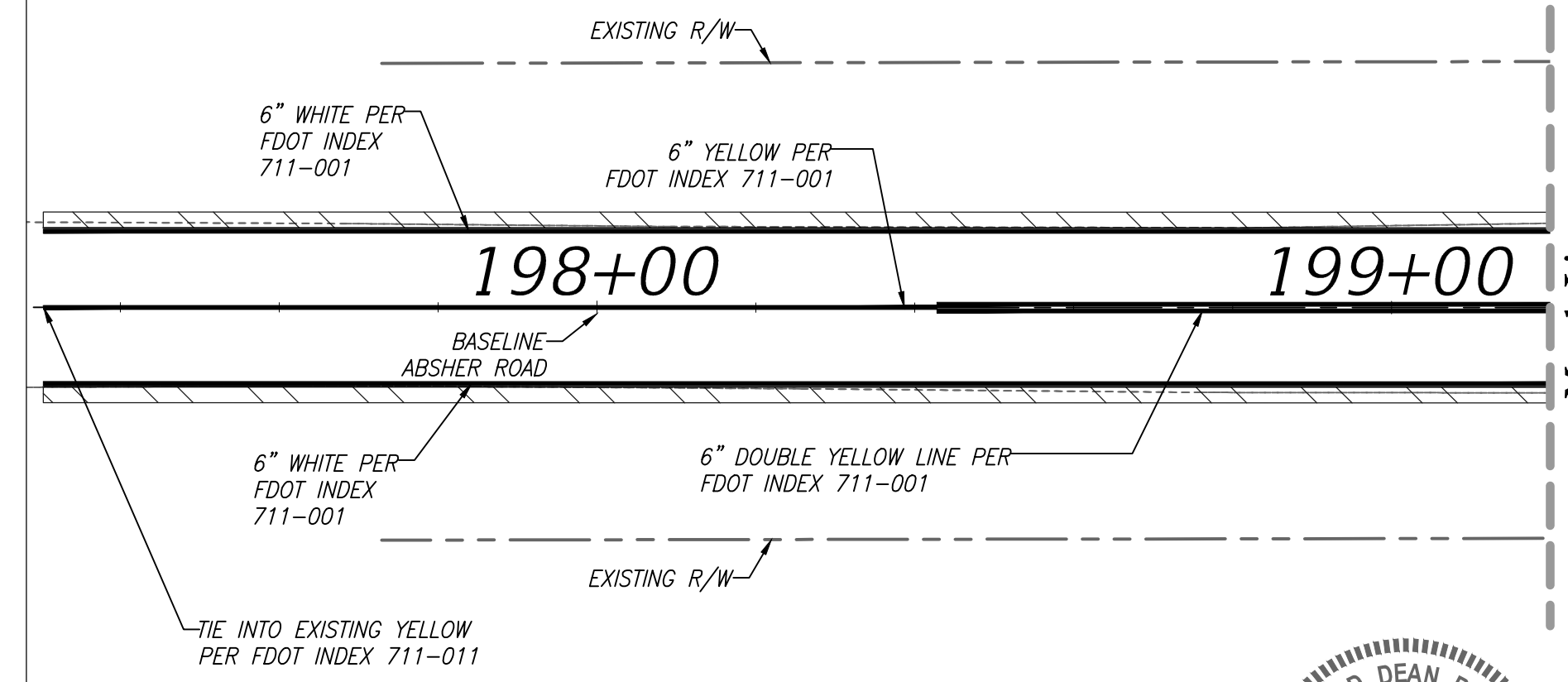
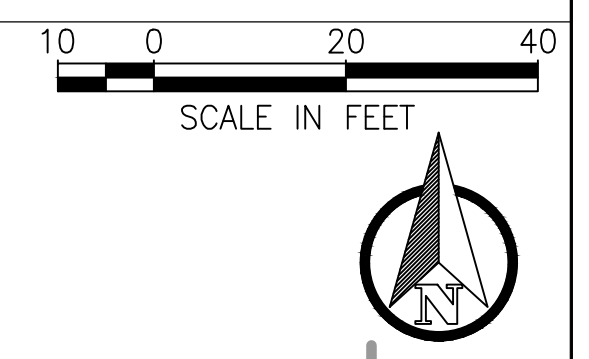
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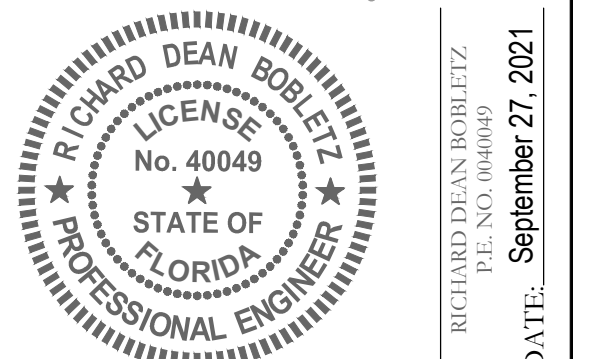
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Sta. 129+20
See Sheet 86



Match Line
Sta. 149+40
See Sheet 87



Match Line
Sta. 199+20
See Sheet 92



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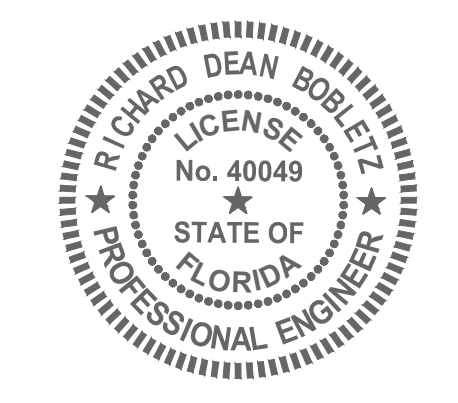
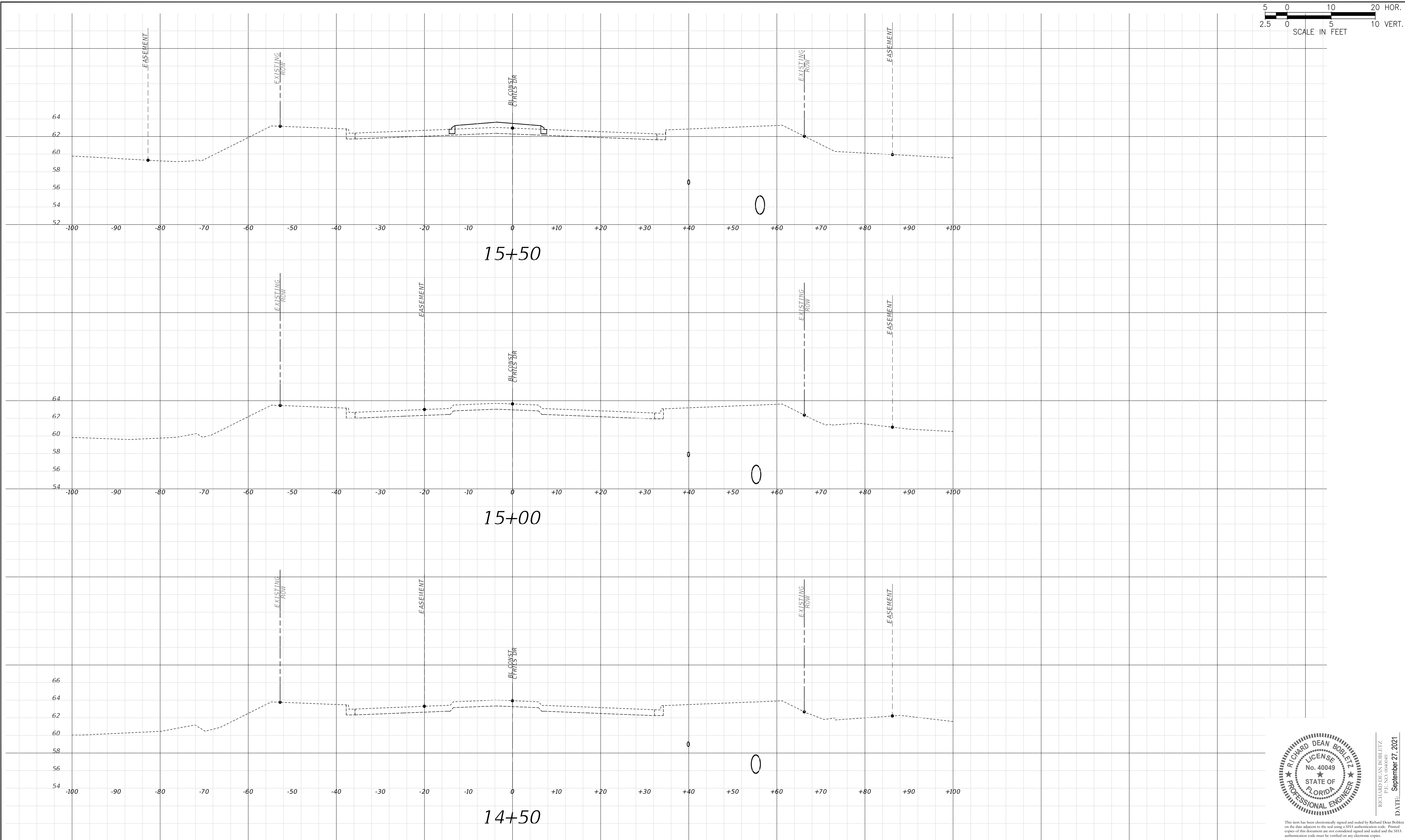
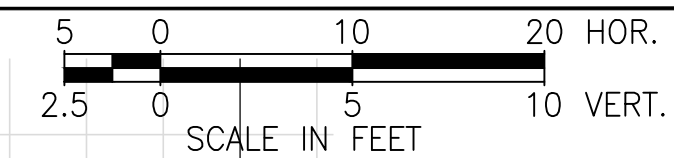
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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SHEET NO.
93

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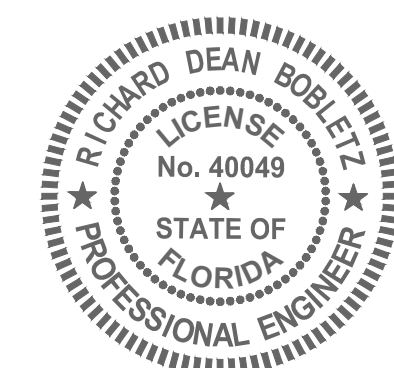
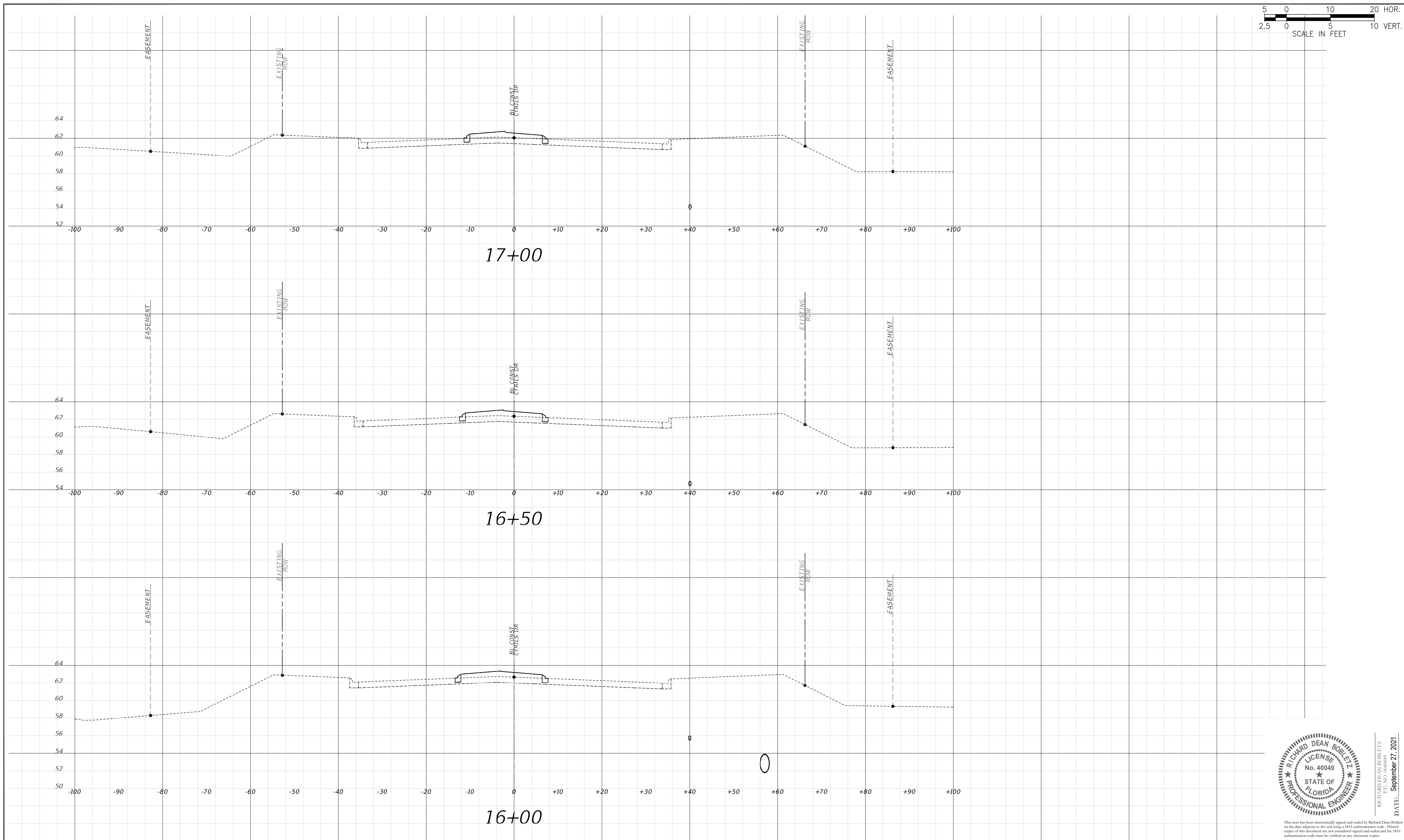
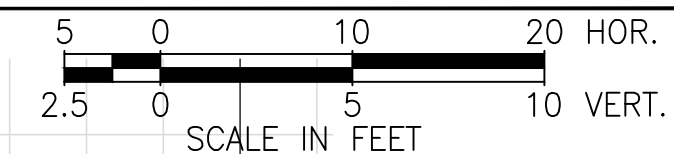
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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CROSS SECTIONS

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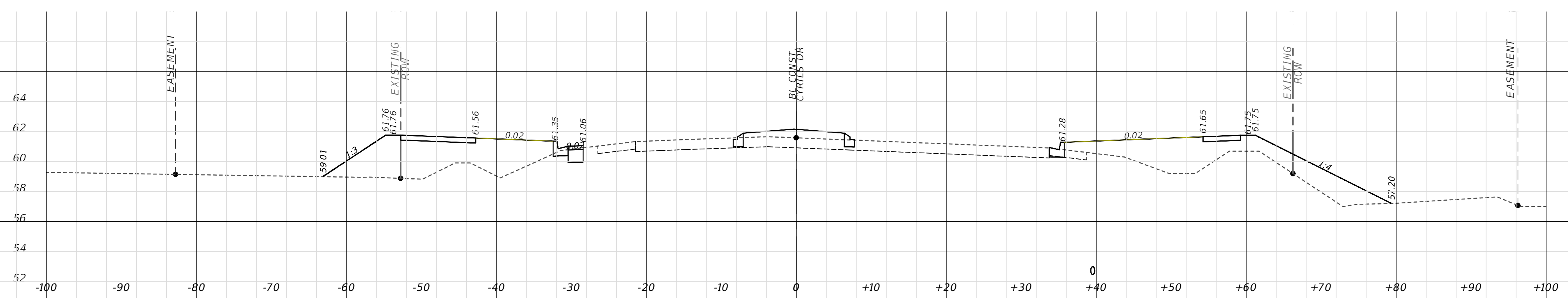
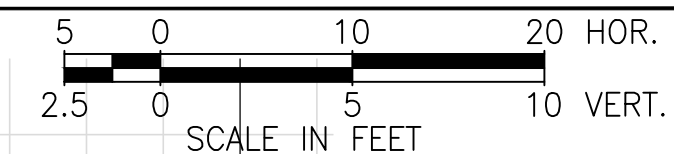
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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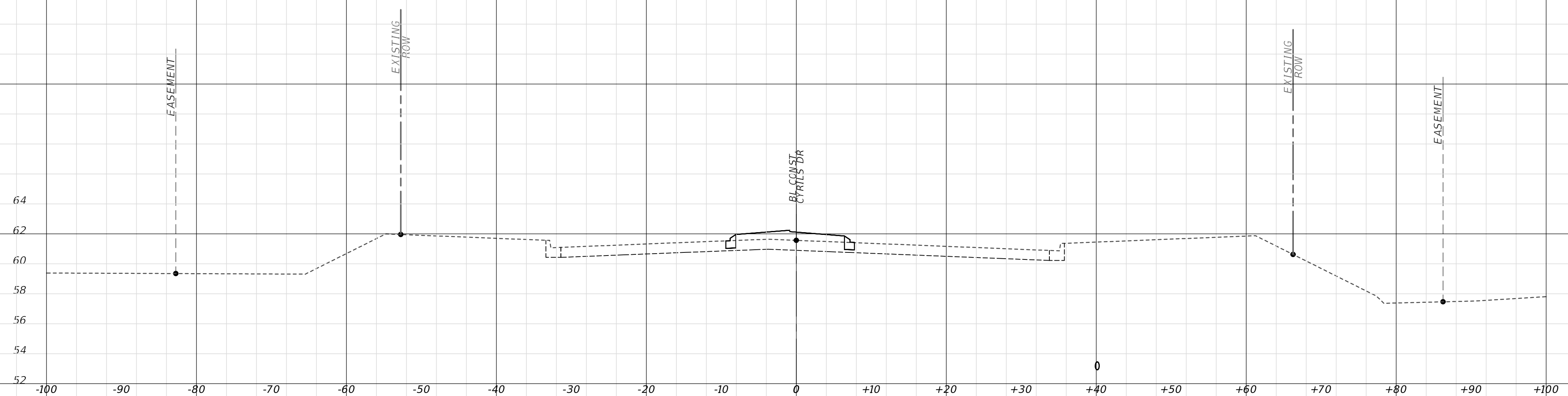
CROSS SECTIONS

SHEET NO.

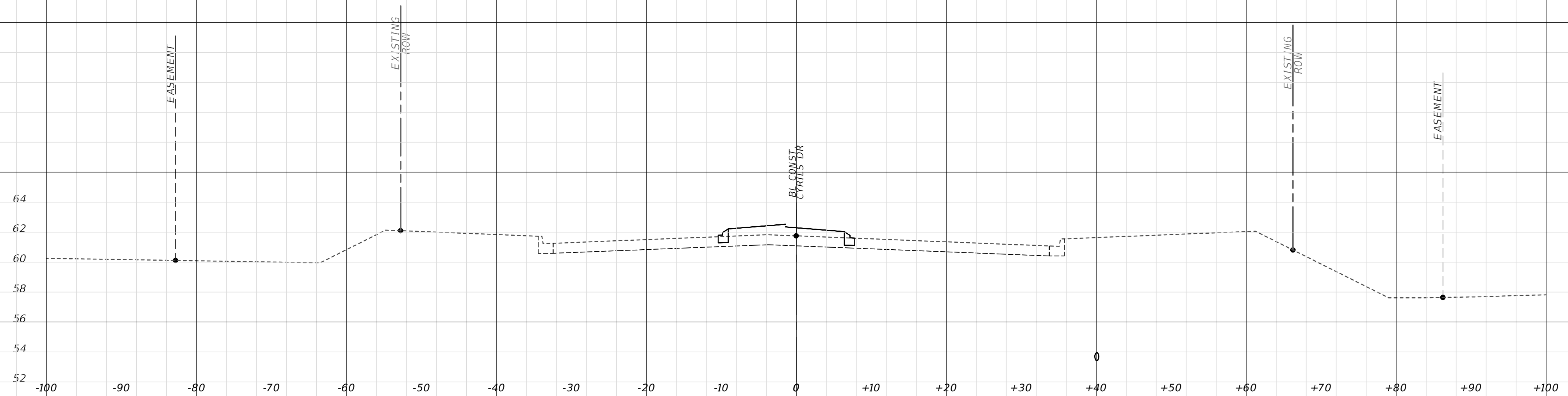
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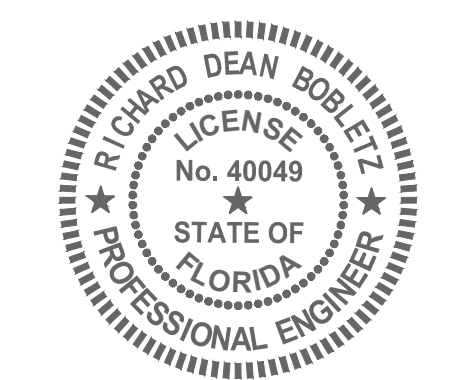
18+50



18+00



17+50



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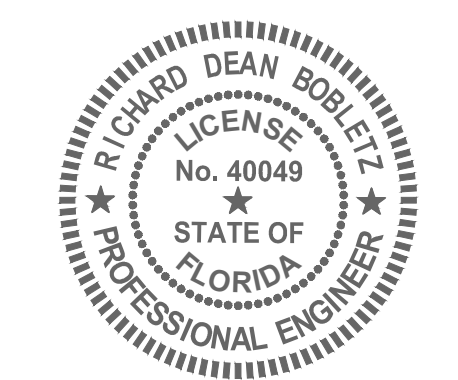
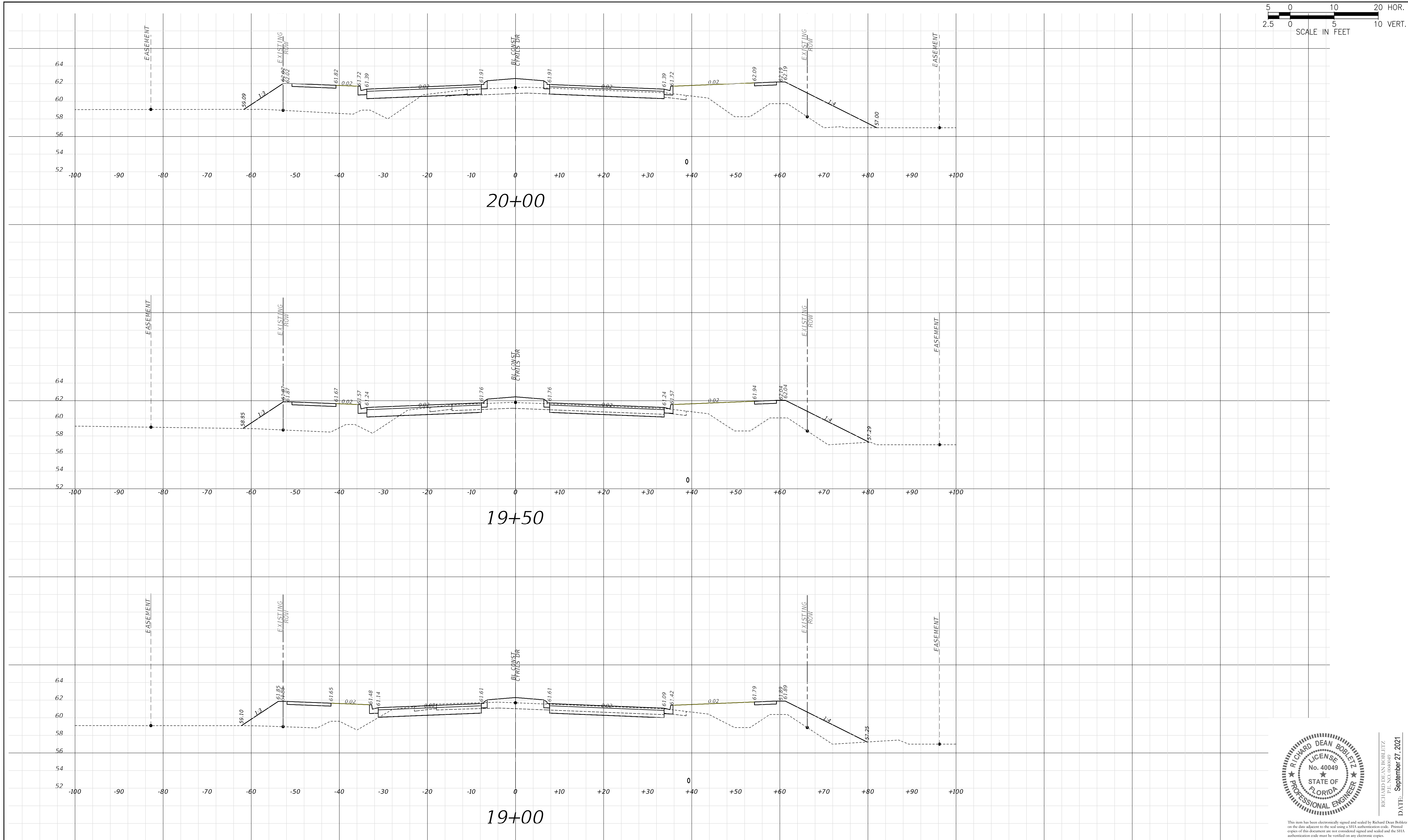
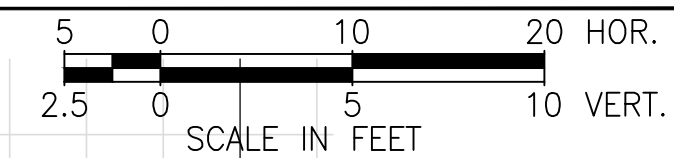
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET NO.

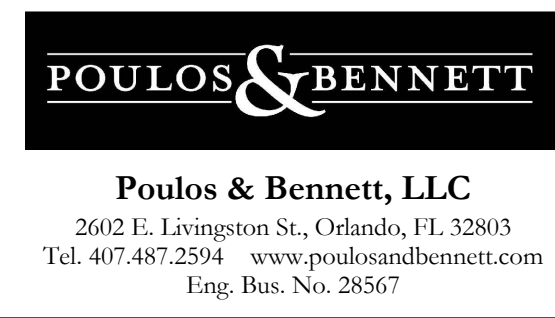
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RICHARD DEAN BOBLETZ
 LICENSE
 No. 40049
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 PROFESSIONAL ENGINEER
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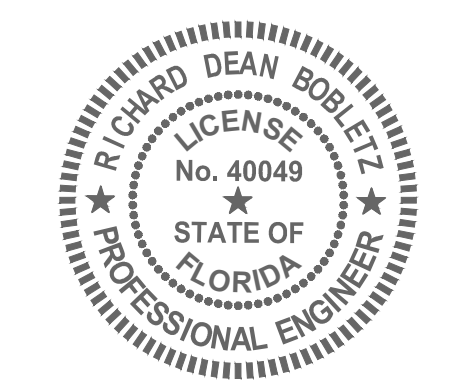
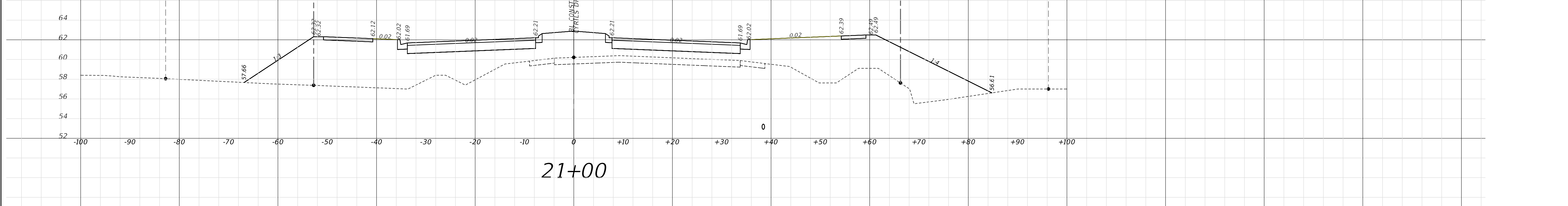
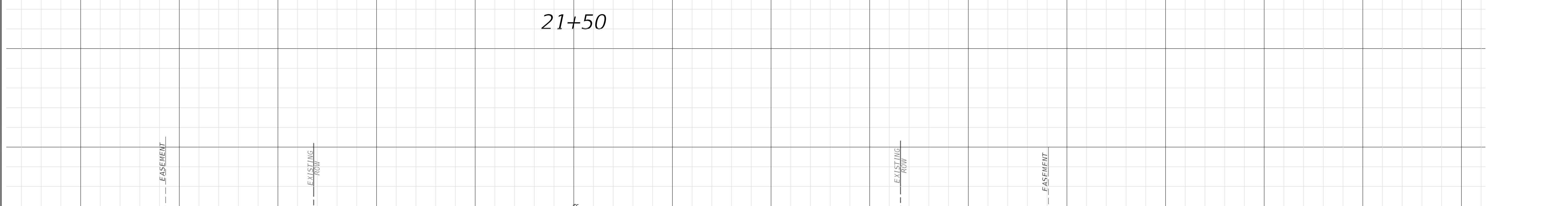
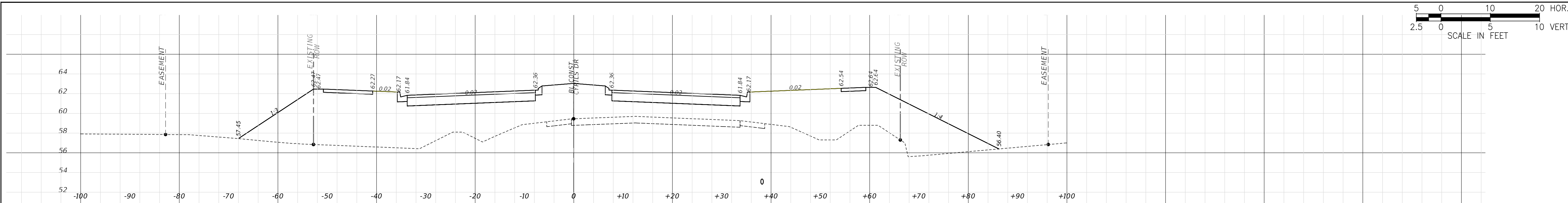
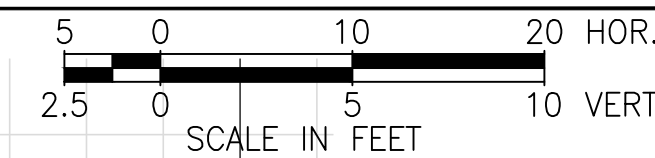
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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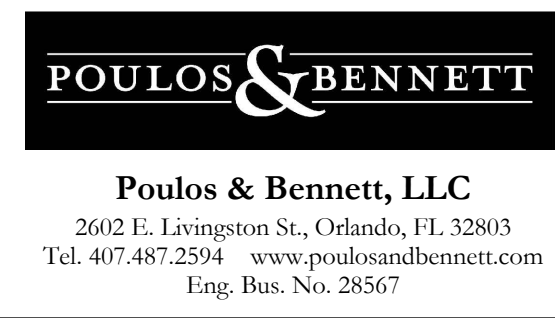
SHEET NO.
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RICHARD DEAN BOBLETZ
P.E. NO. 004049
DATE: September 27, 2021

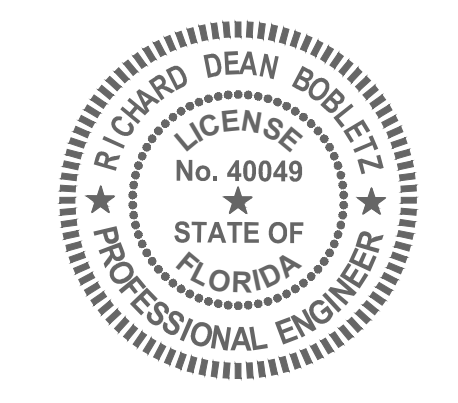
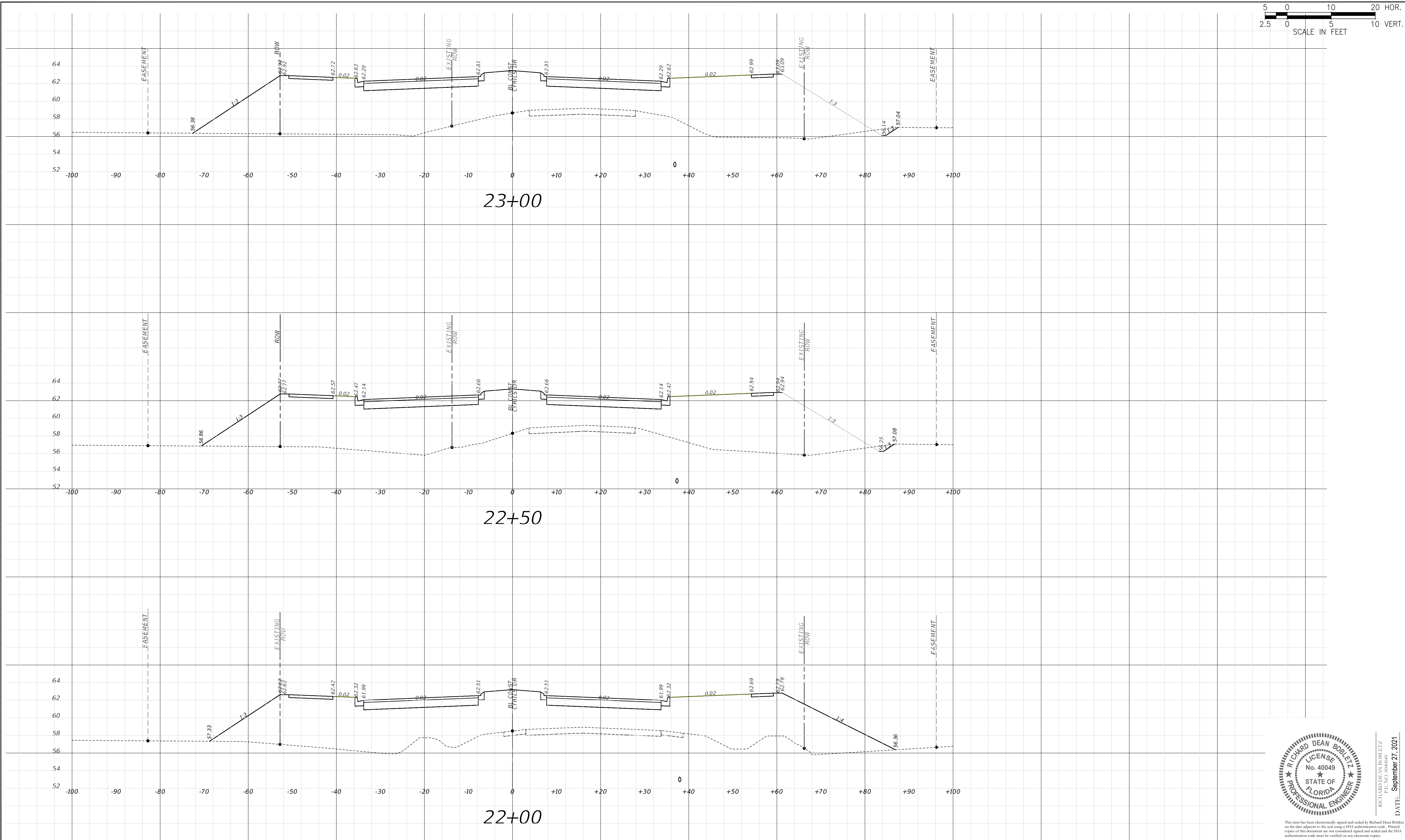
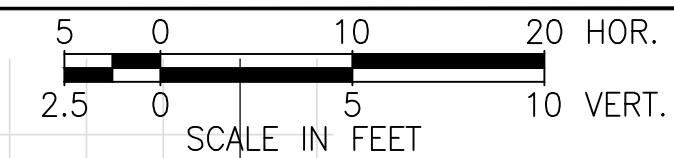
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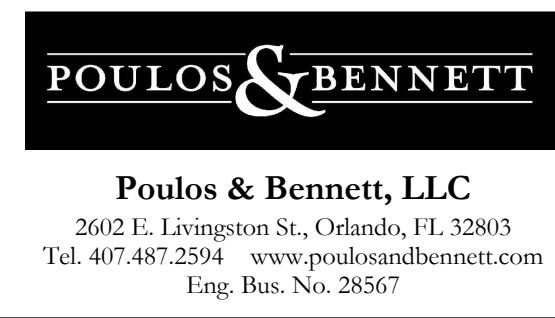
CYRILS DRIVE / NARCOOSSEE ROAD TO
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SHEET NO. 98



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 PROFESSIONAL ENGINEER
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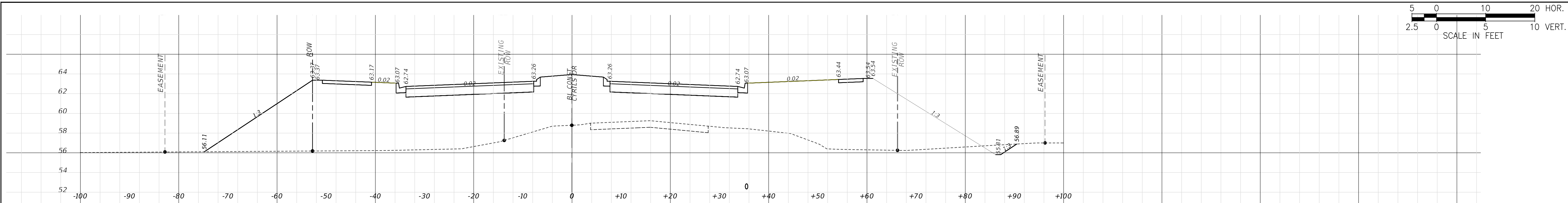
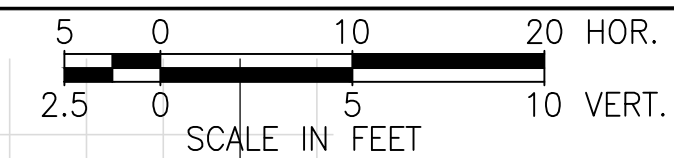
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		



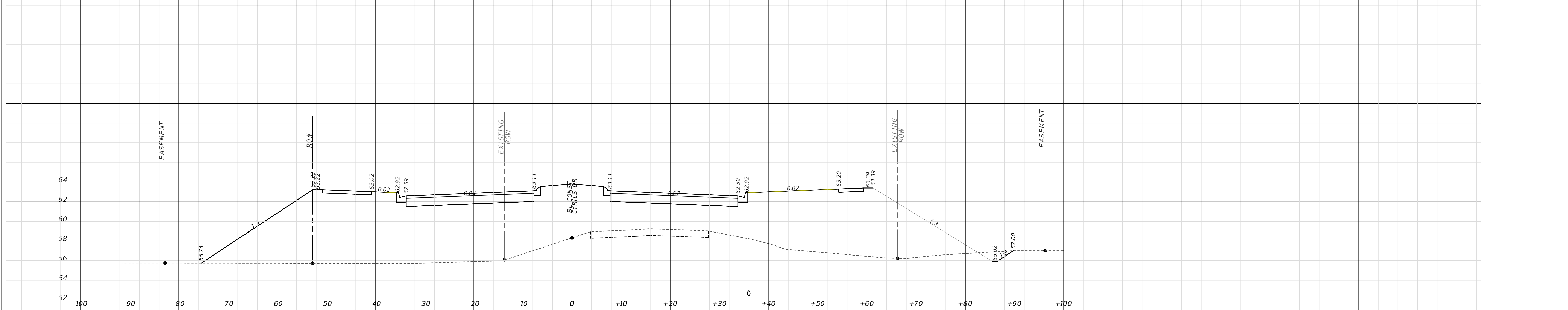
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING**
 CROSS SECTIONS

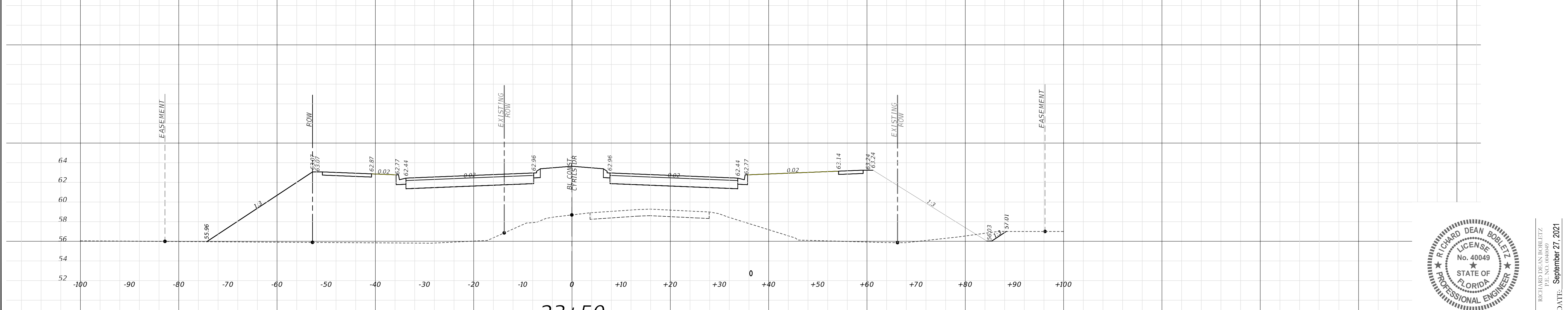
SHEET NO.
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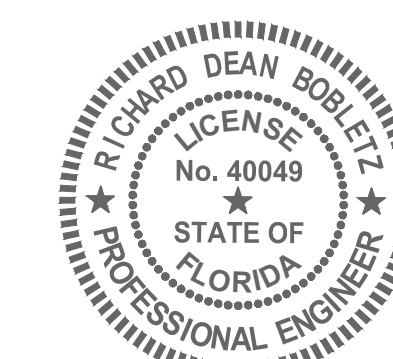
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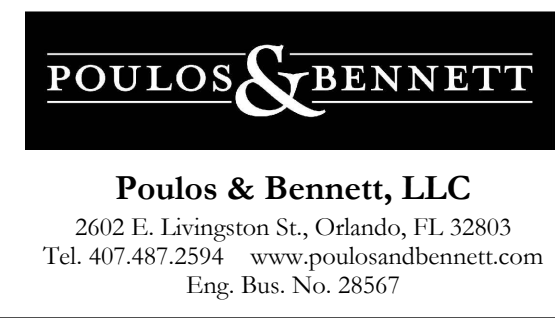
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P.E. NO. 004049
DATE: September 27, 2021

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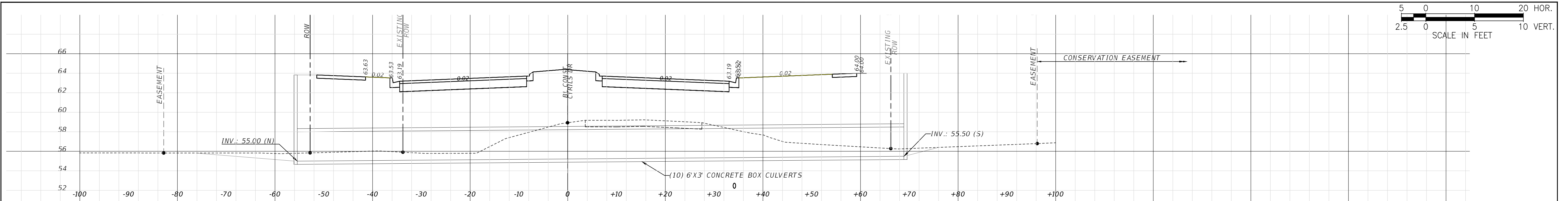
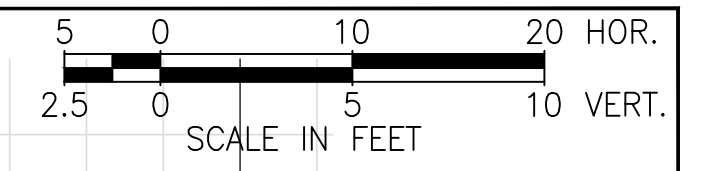
REVISIONS			
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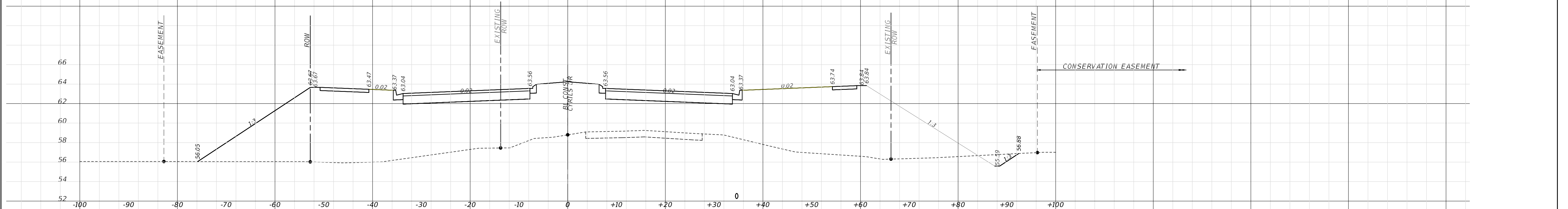
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
CROSS SECTIONS

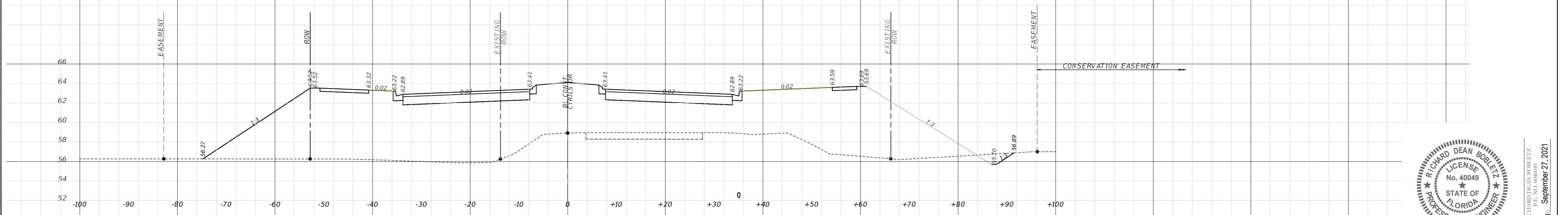
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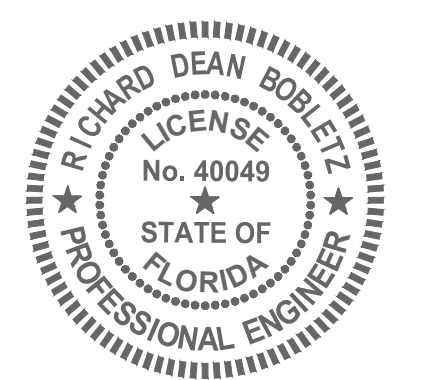
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25+50



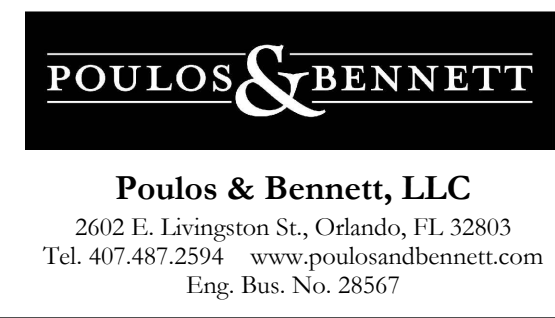
25+00



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 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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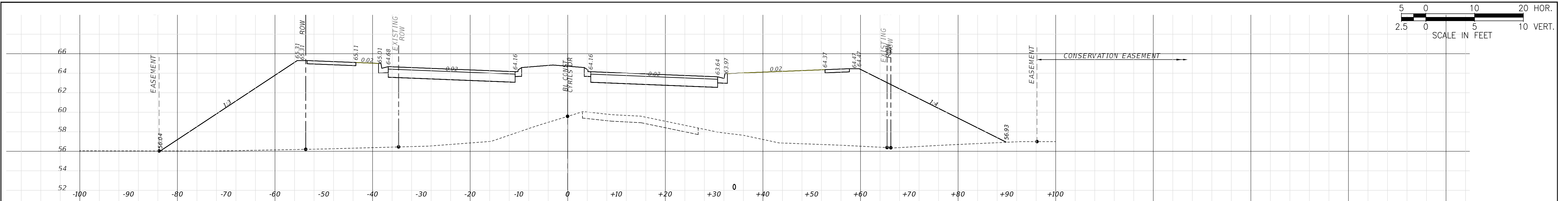
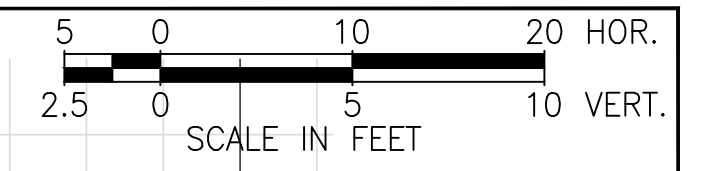
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DATE	DESCRIPTION	DATE	DESCRIPTION
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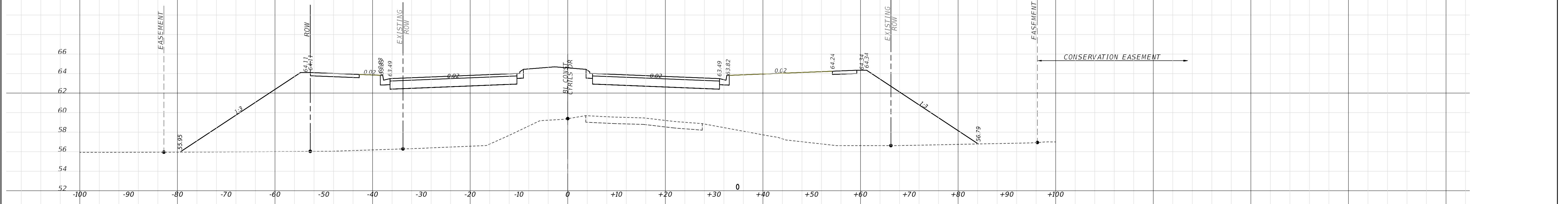
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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 CROSS SECTIONS

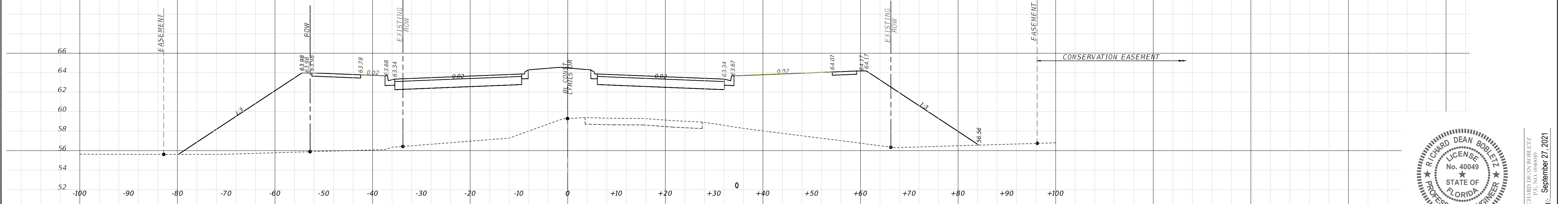
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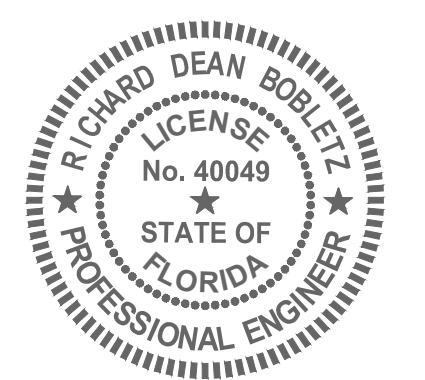
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27+00



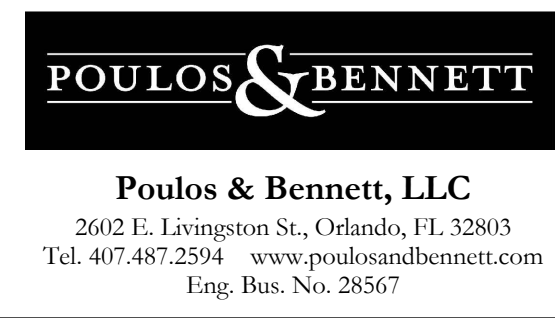
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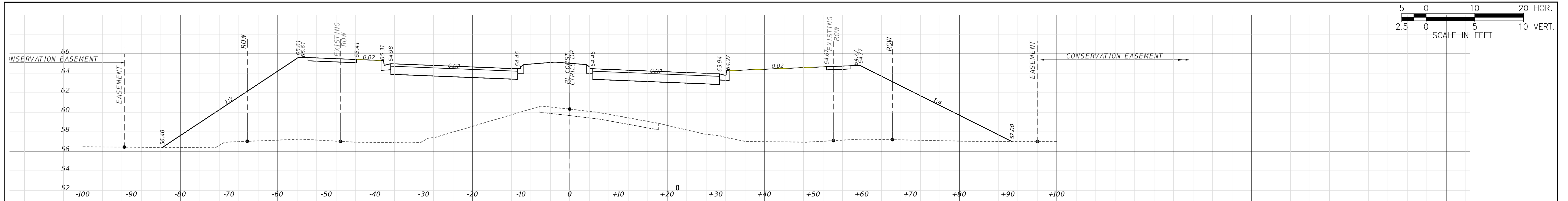
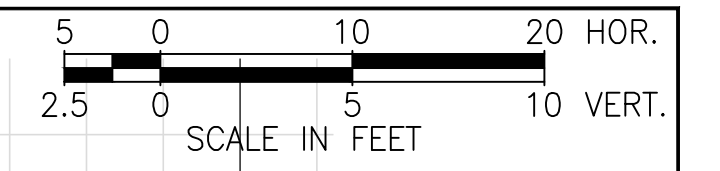
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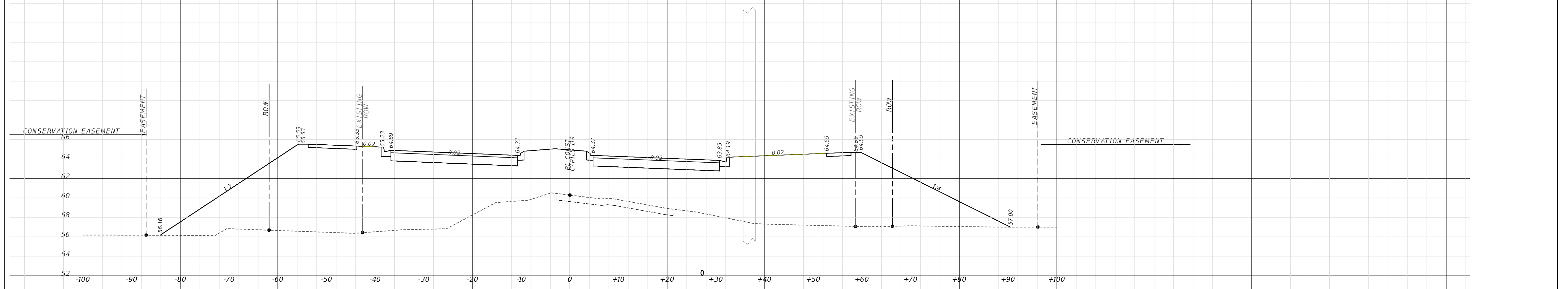
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

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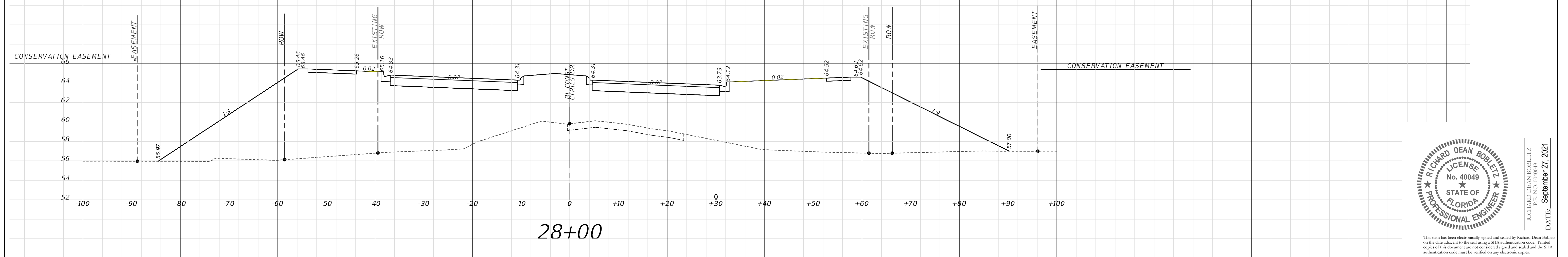
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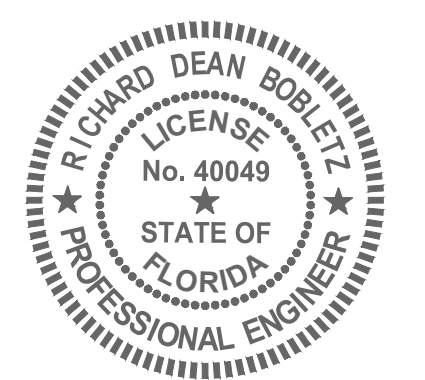
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28+21



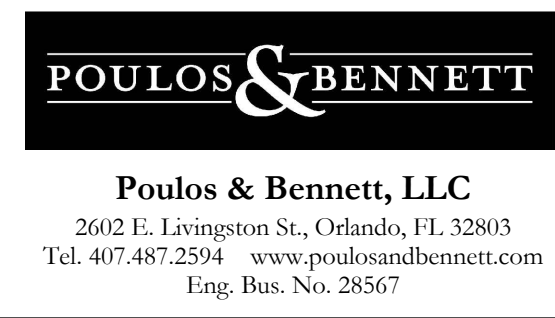
28+00



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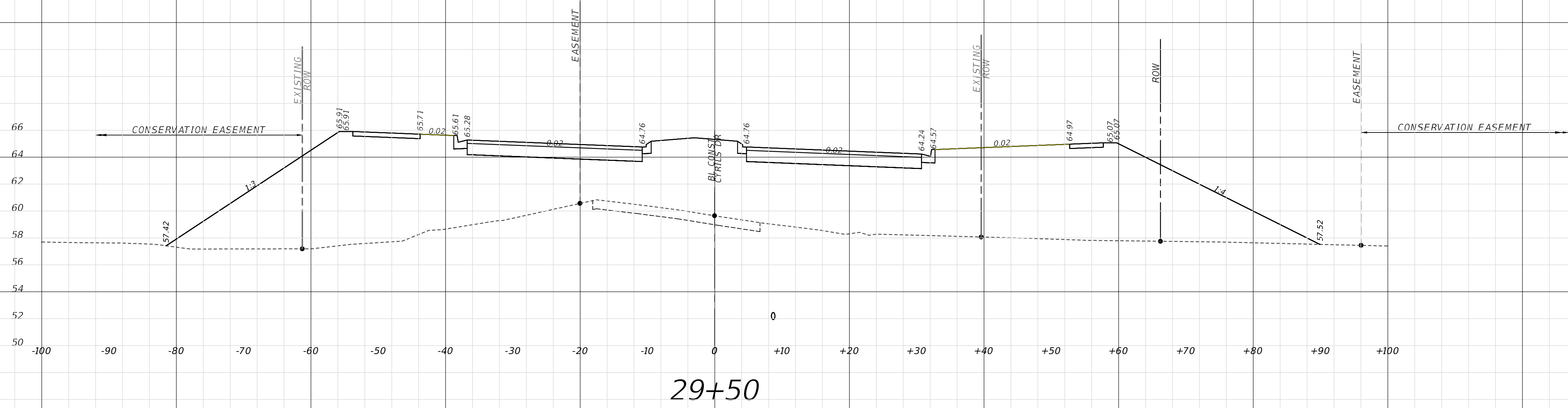
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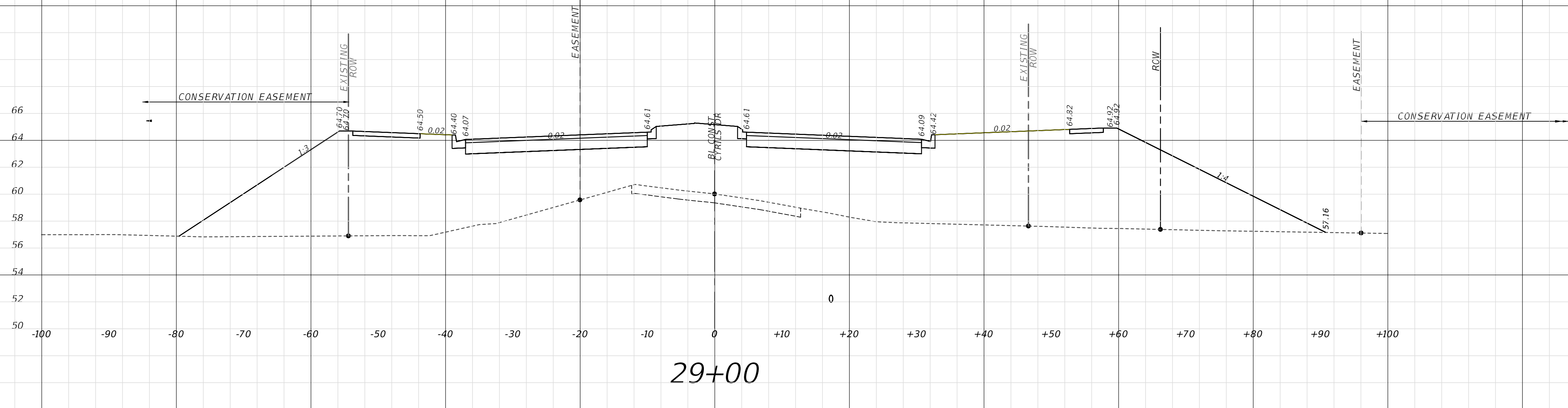
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PROJECT NO. (XXXX)

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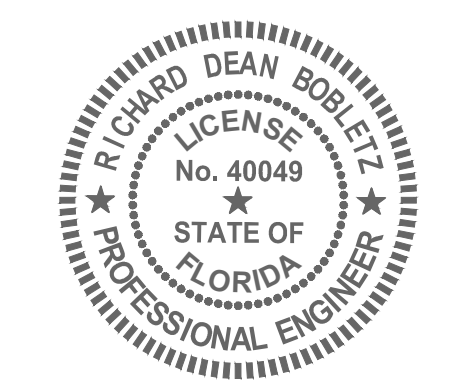
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29+50



29+00



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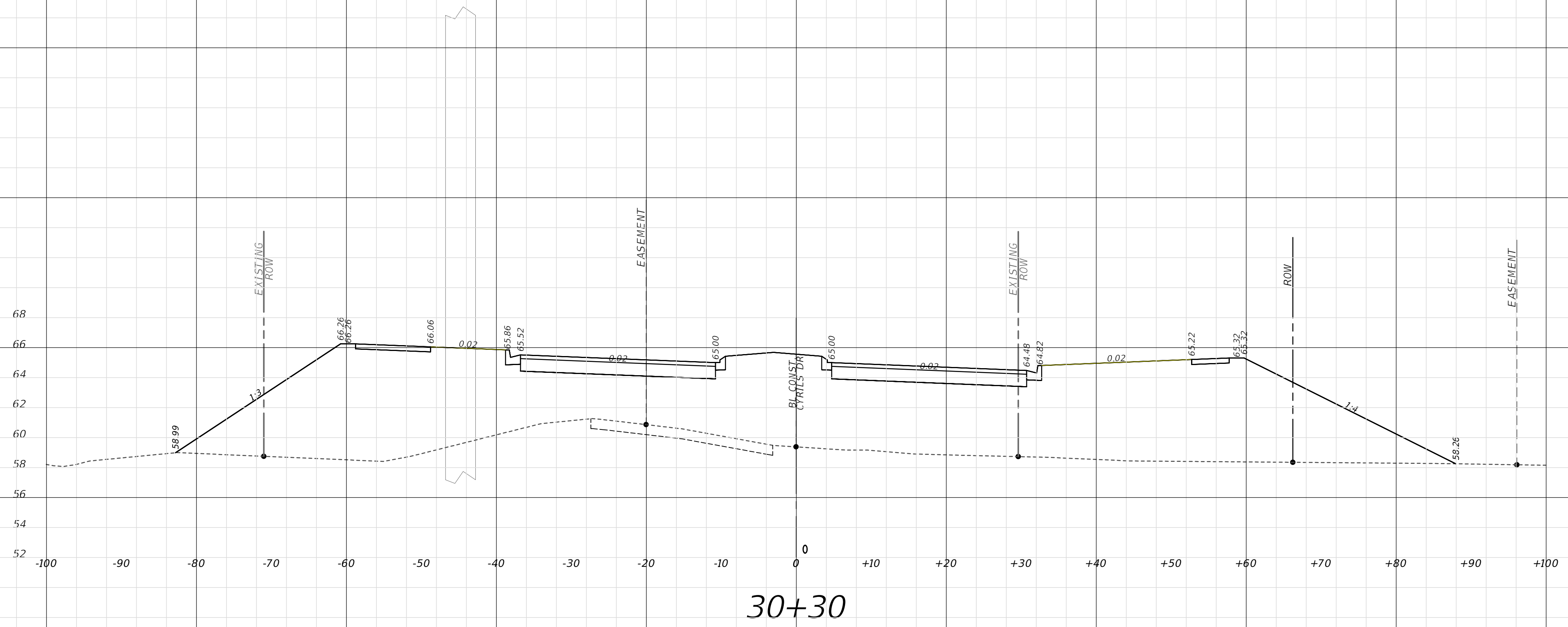
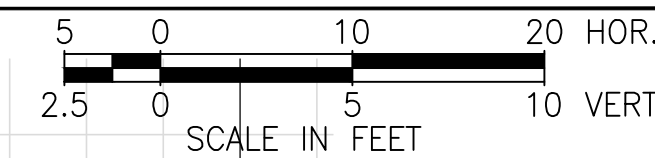
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Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

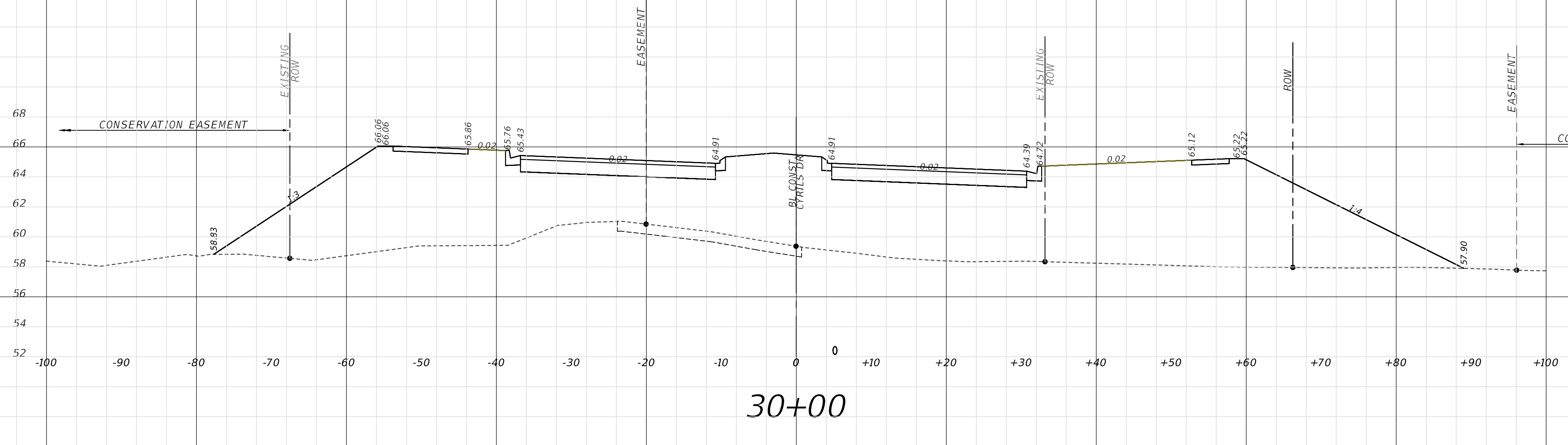
OSCEOLA COUNTY
PROJECT NO. (XXXX)

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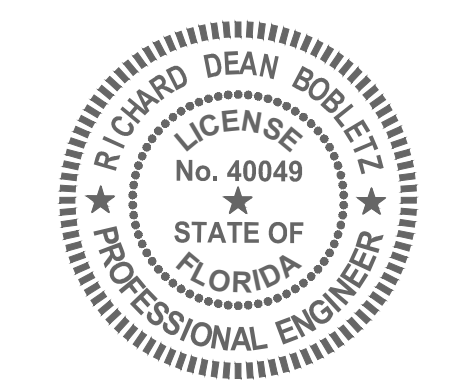
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30+30



30+00



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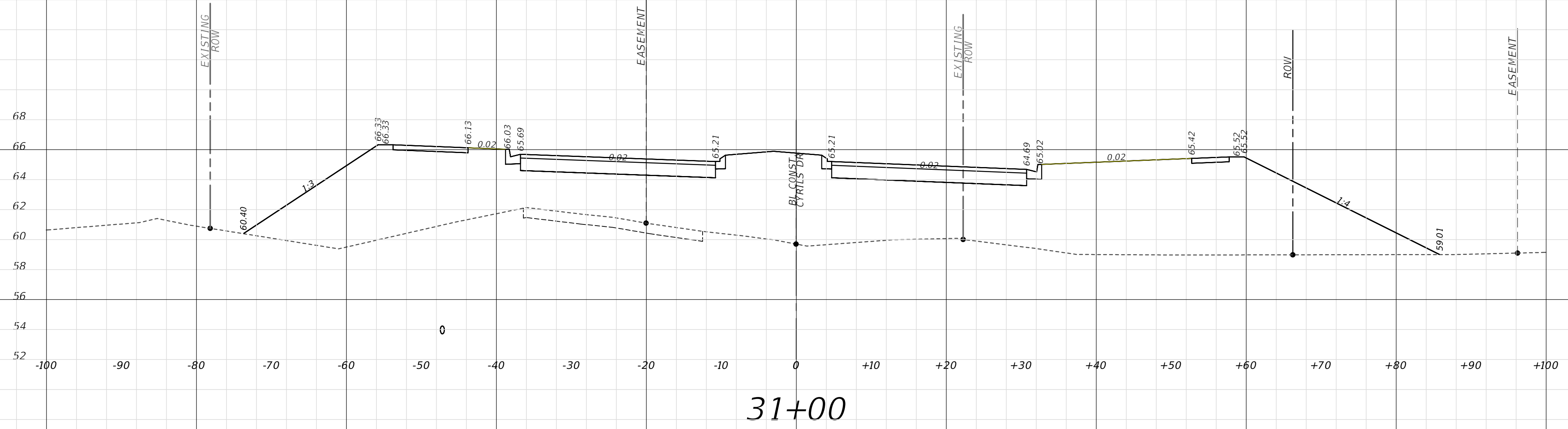
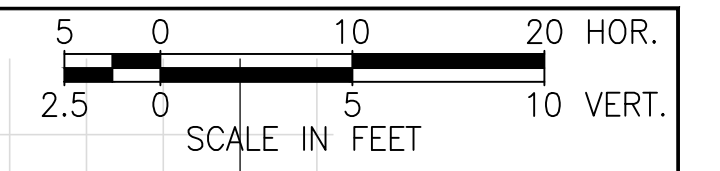
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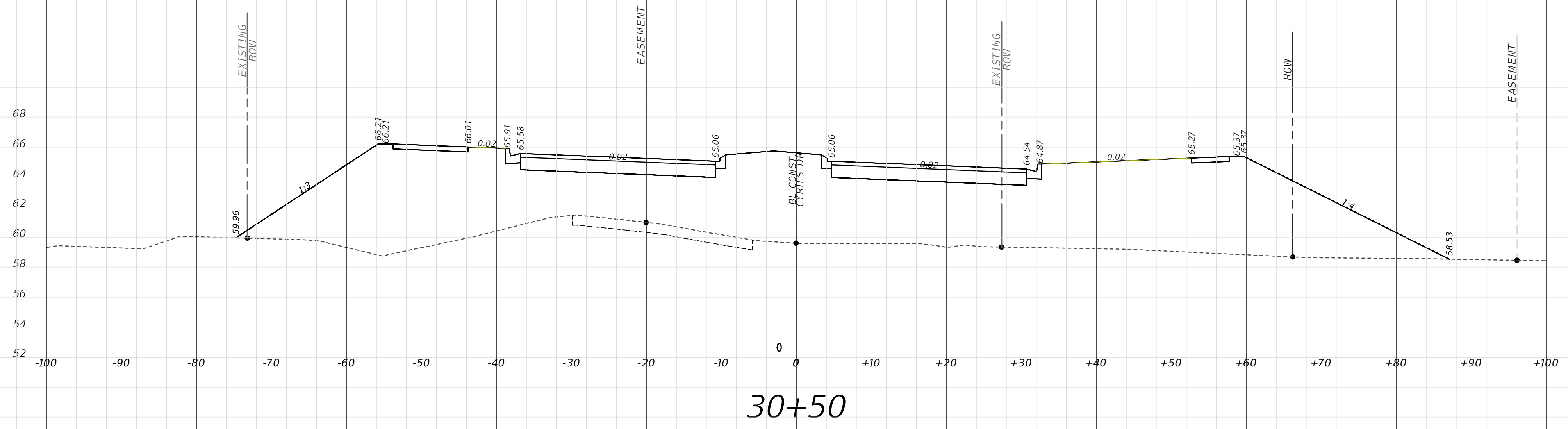
OSCEOLA COUNTY
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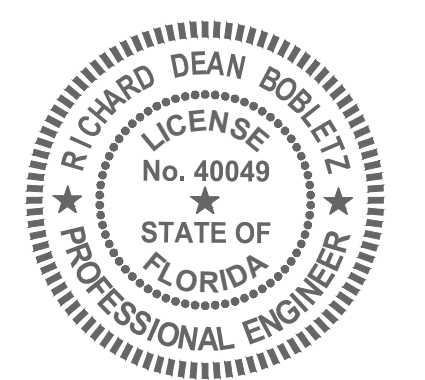
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31+00



30+50



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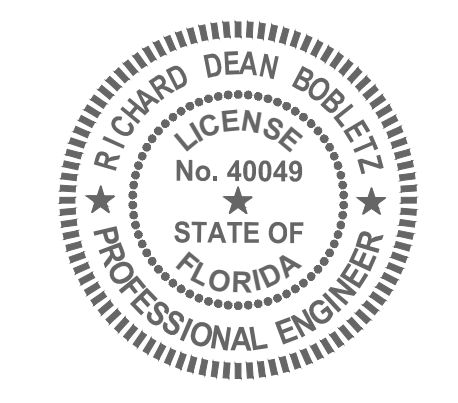
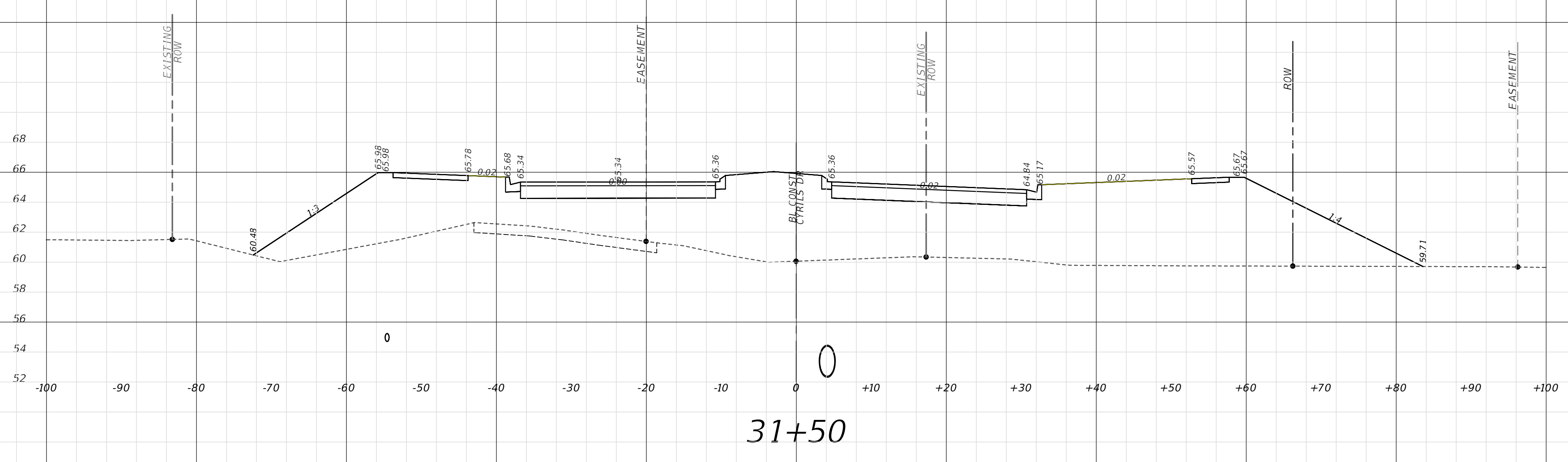
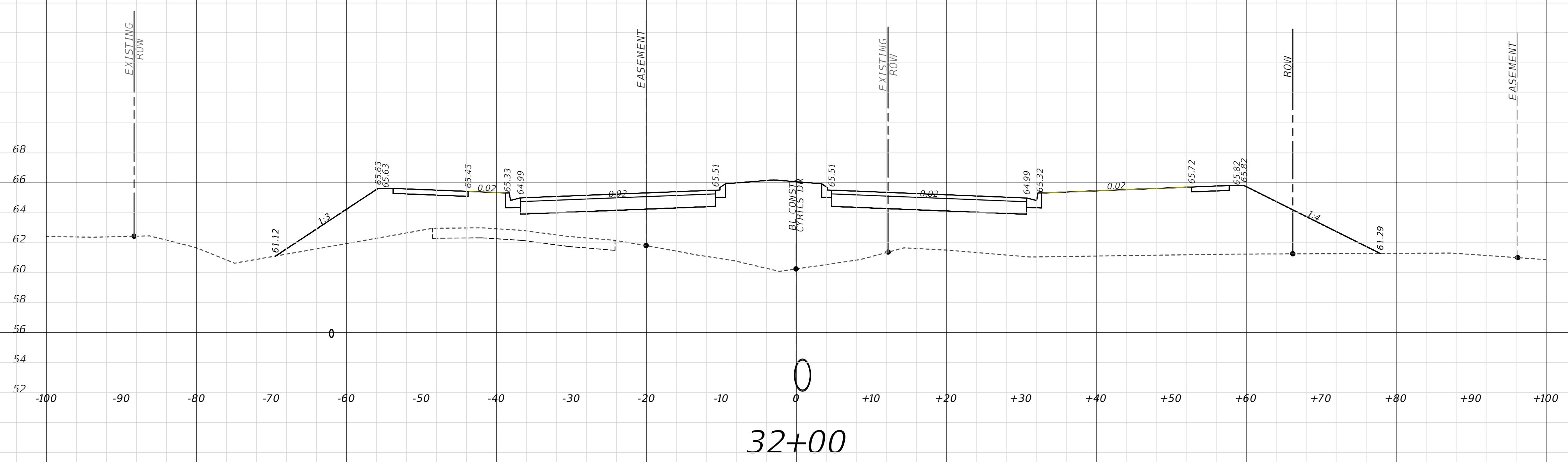
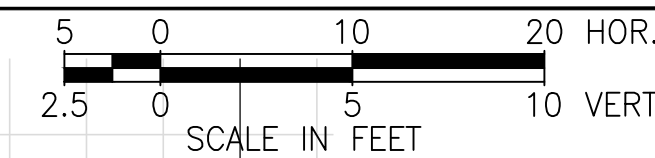
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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CROSS SECTIONS

SHEET NO.

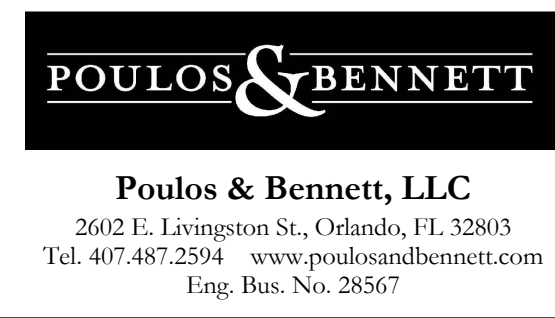
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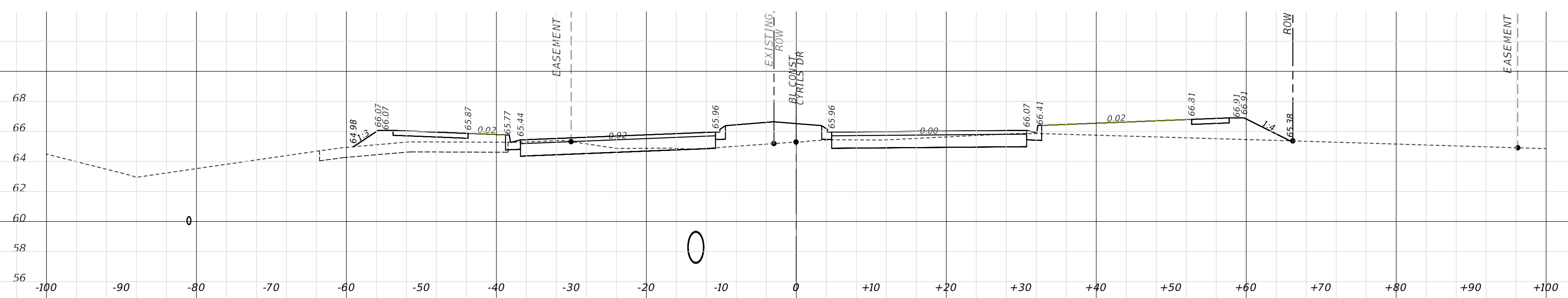
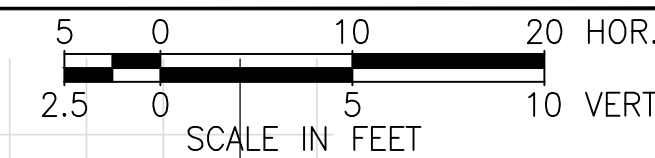
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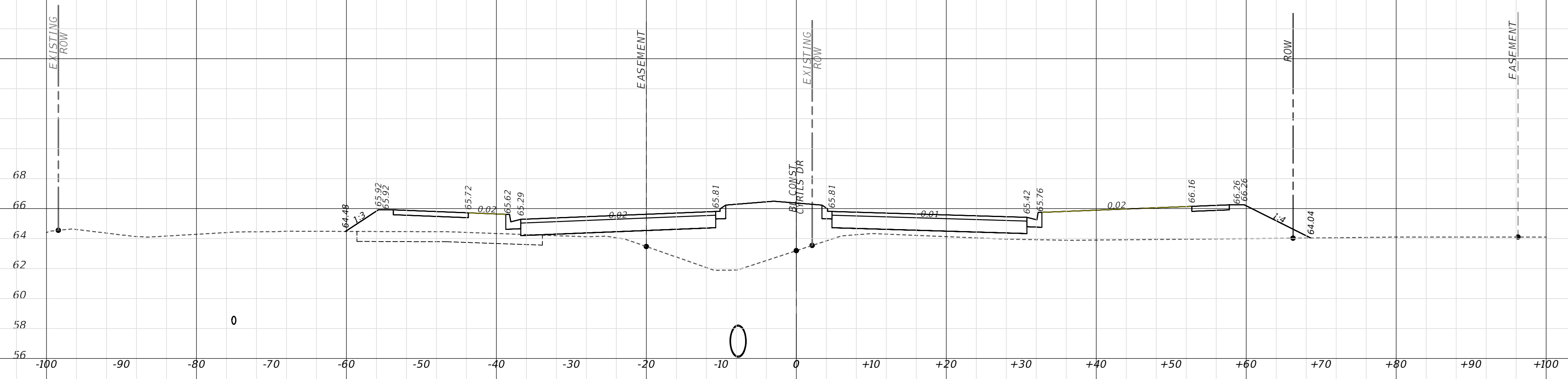
OSCEOLA COUNTY
PROJECT NO. (XXXX)

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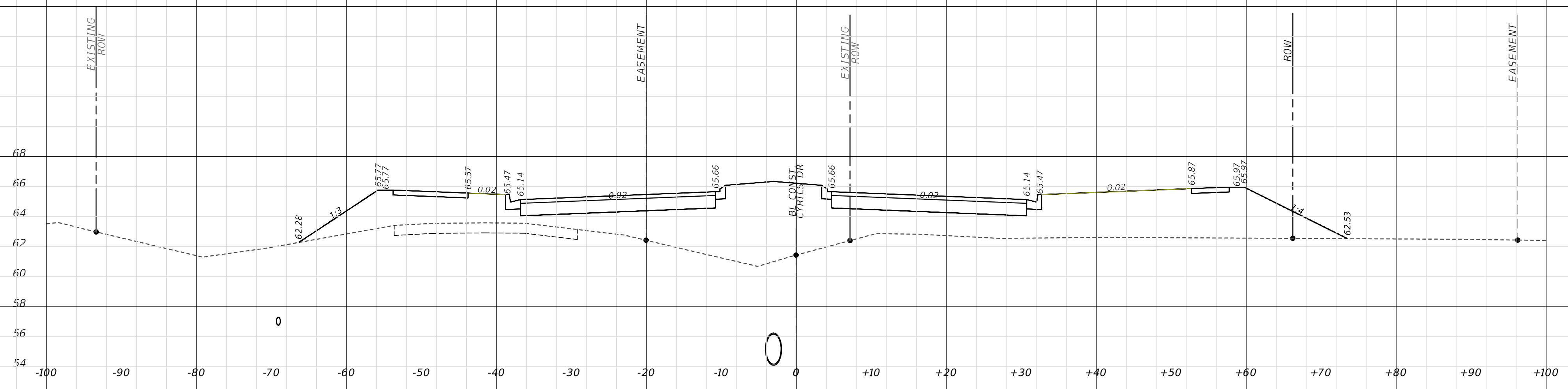
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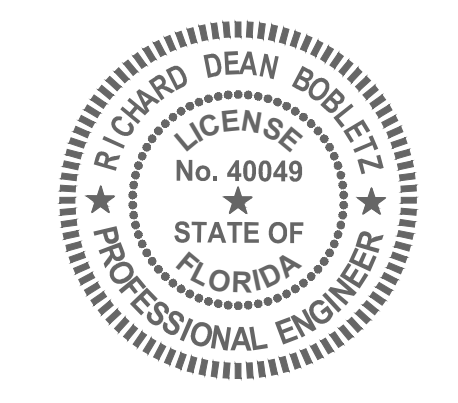
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33+00



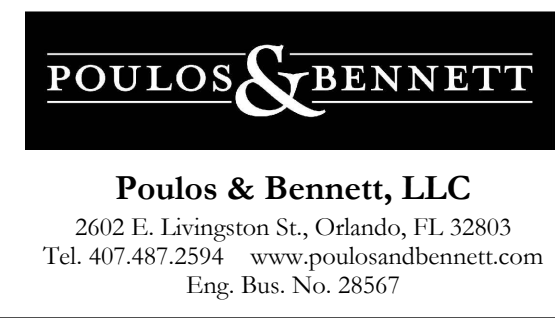
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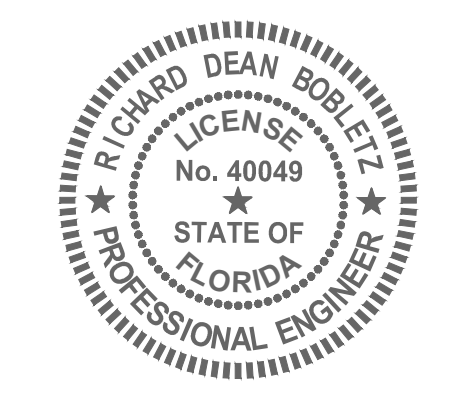
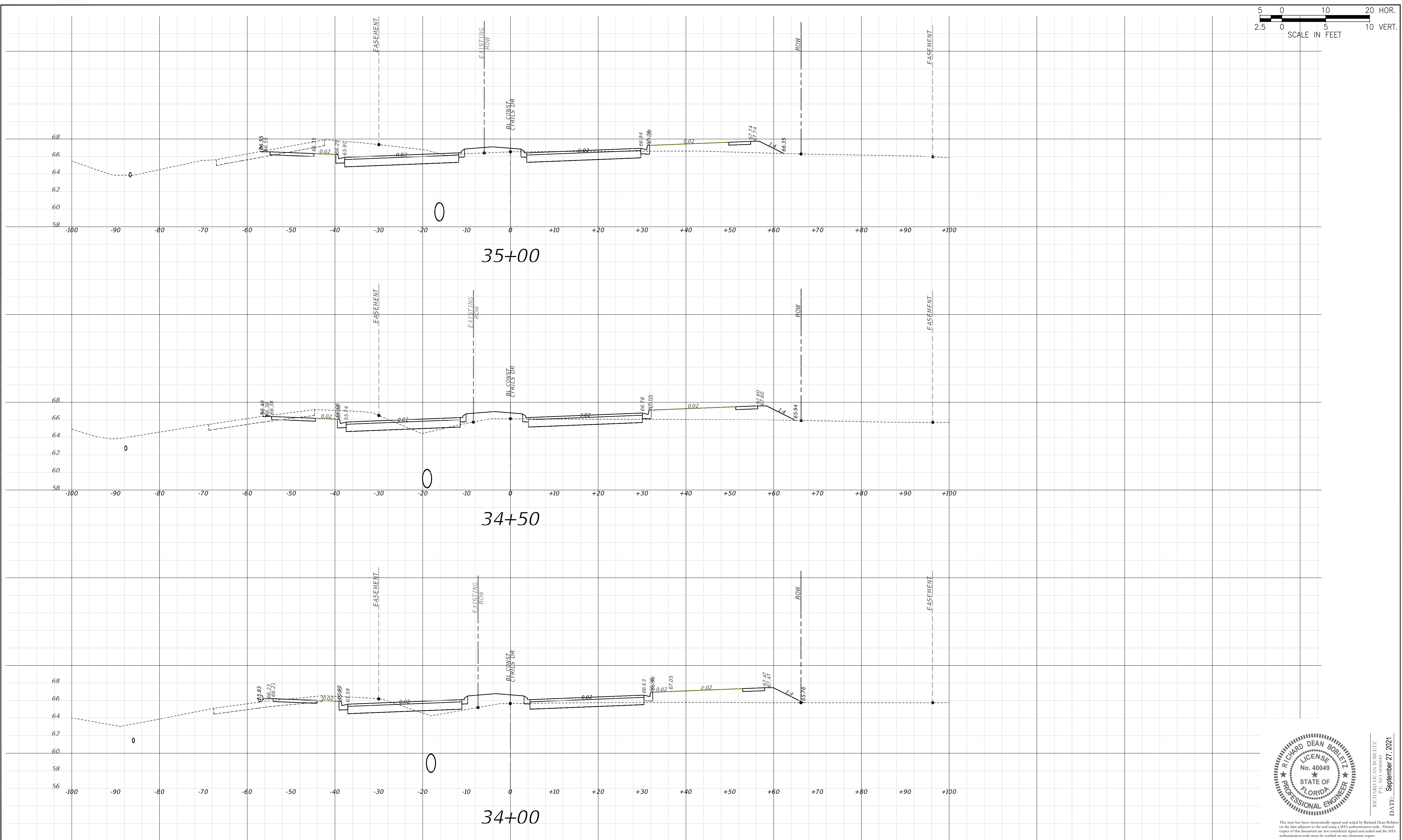
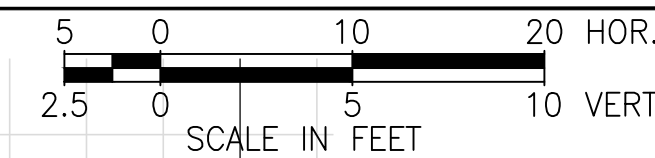


OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
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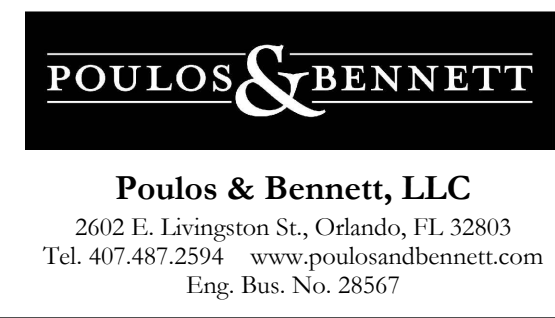
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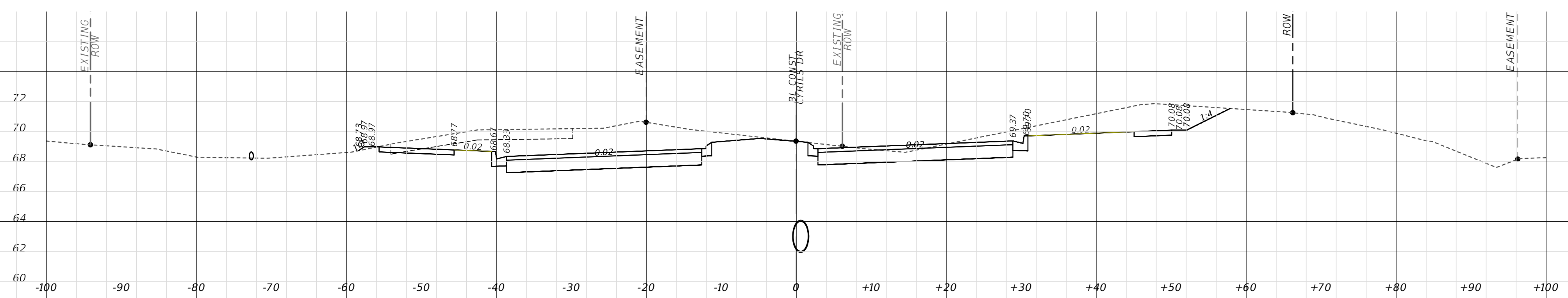
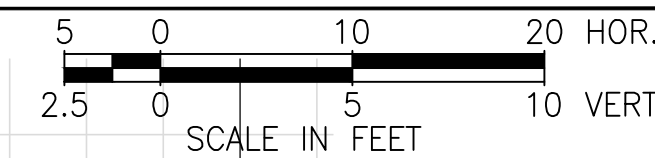
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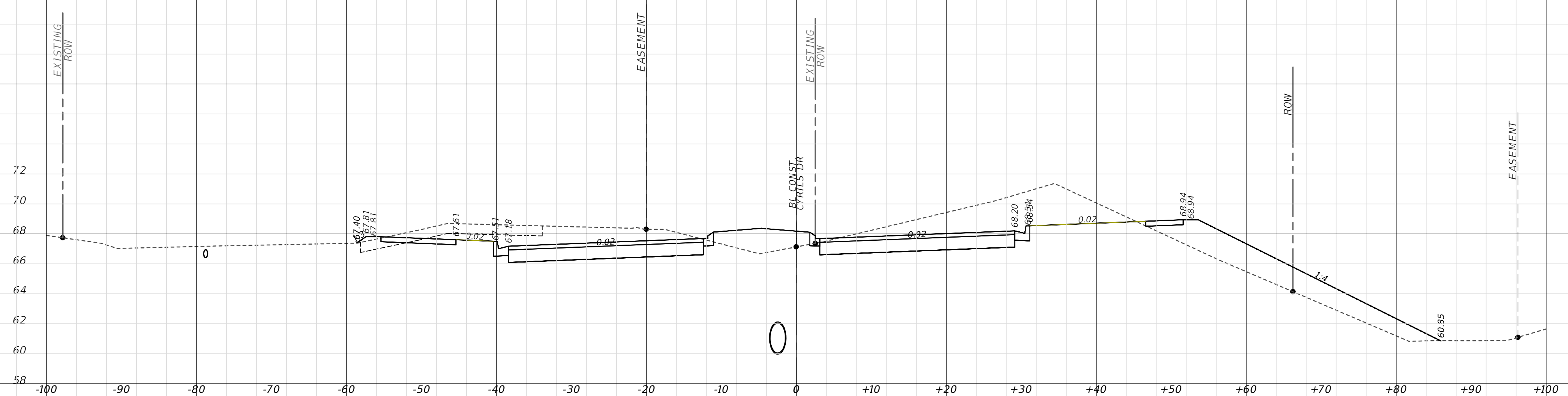
OSCEOLA COUNTY
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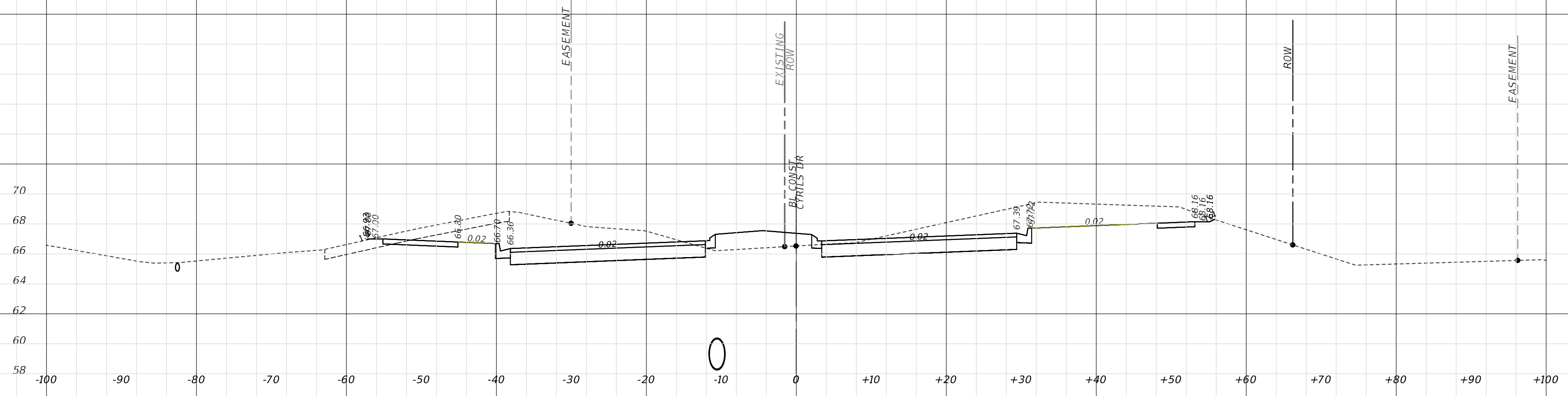
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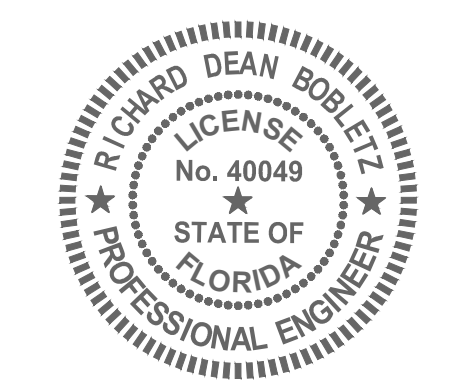
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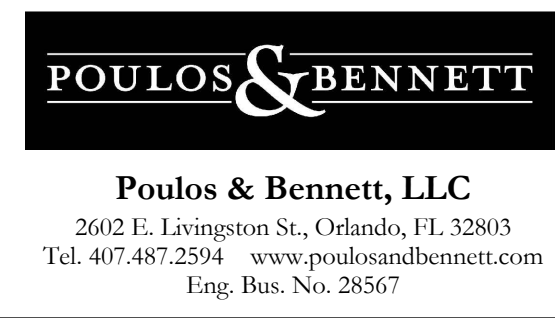
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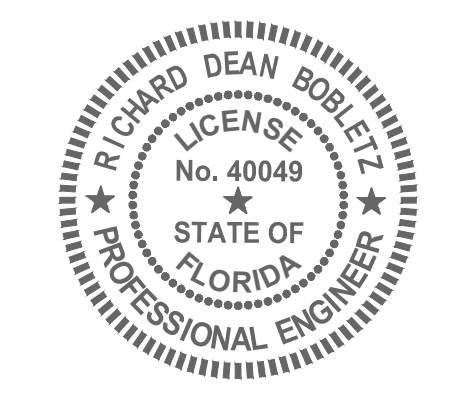
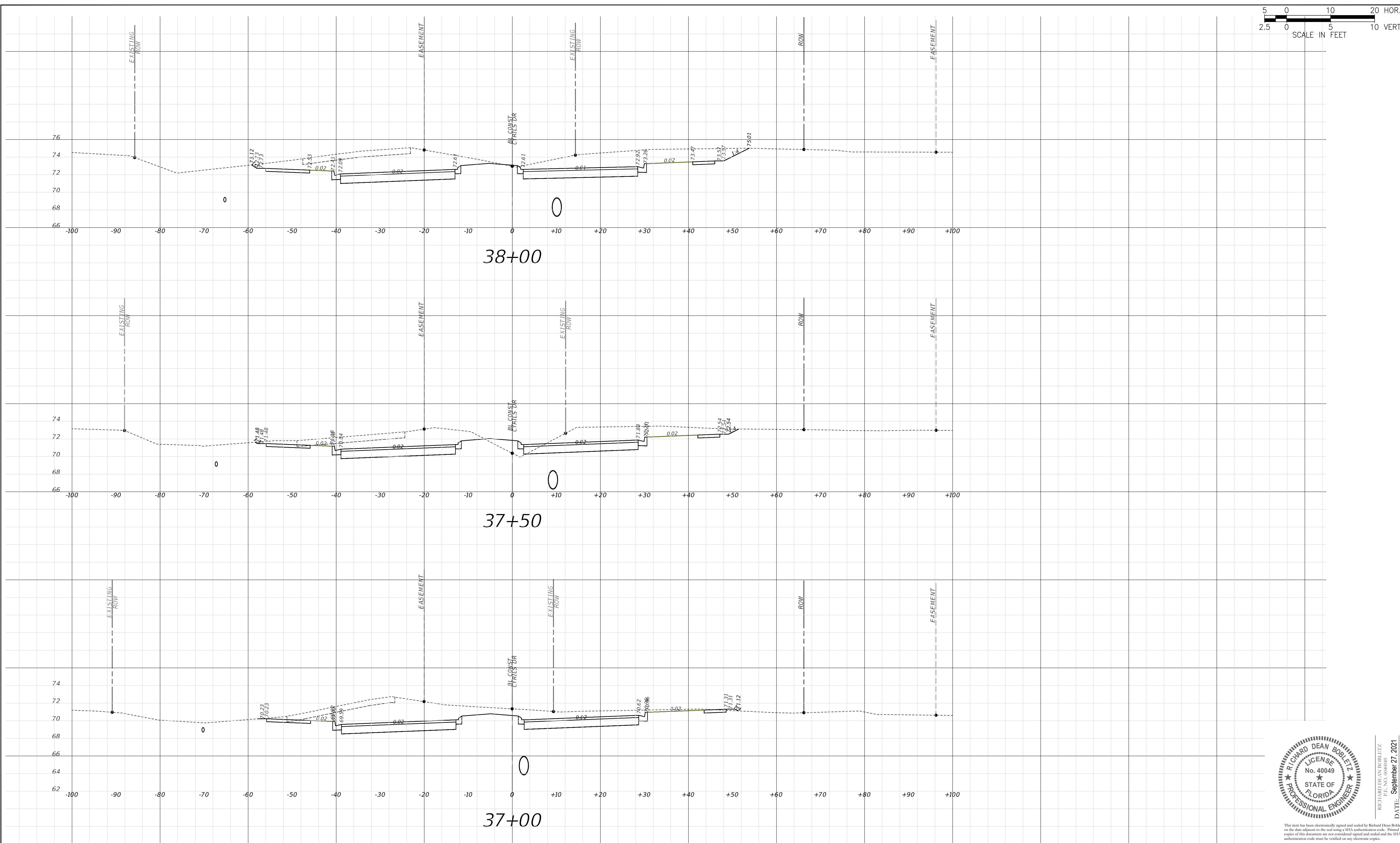
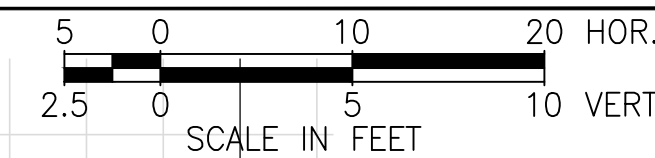
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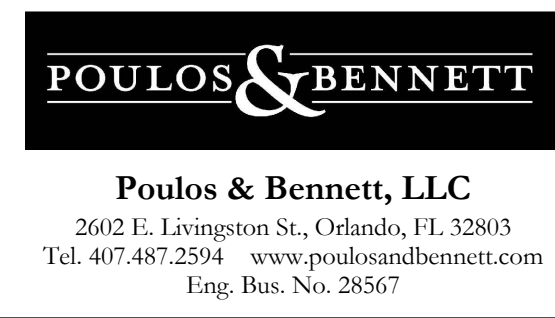
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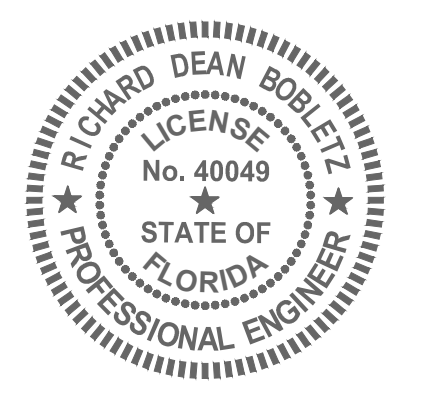
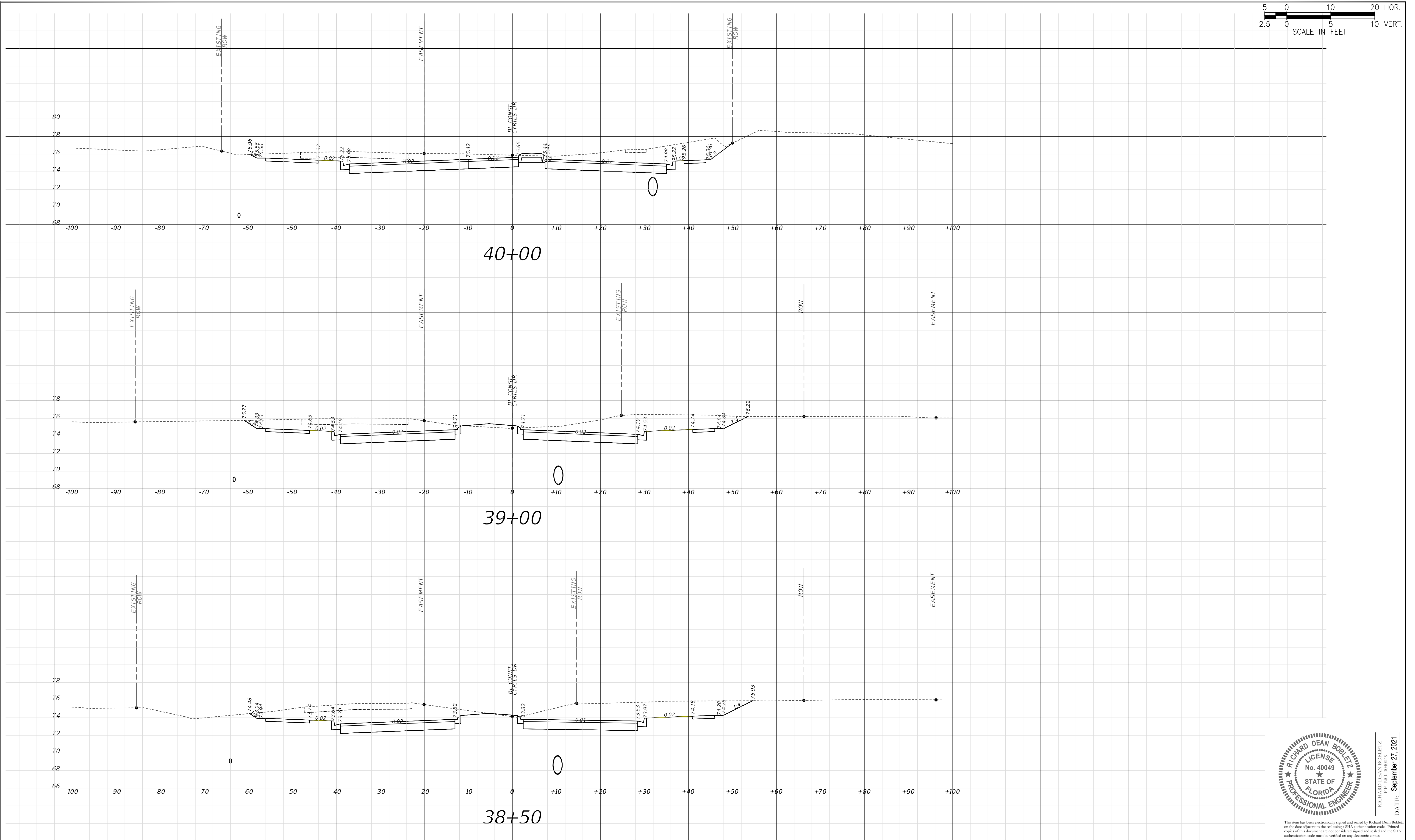
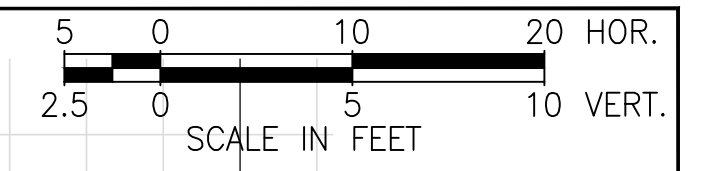
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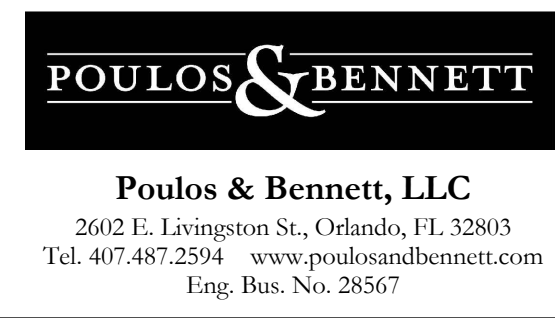


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 DATE: September 27, 2021

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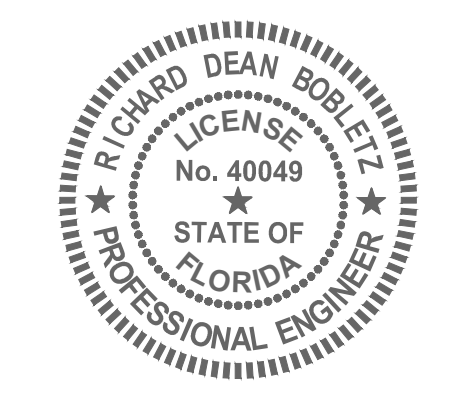
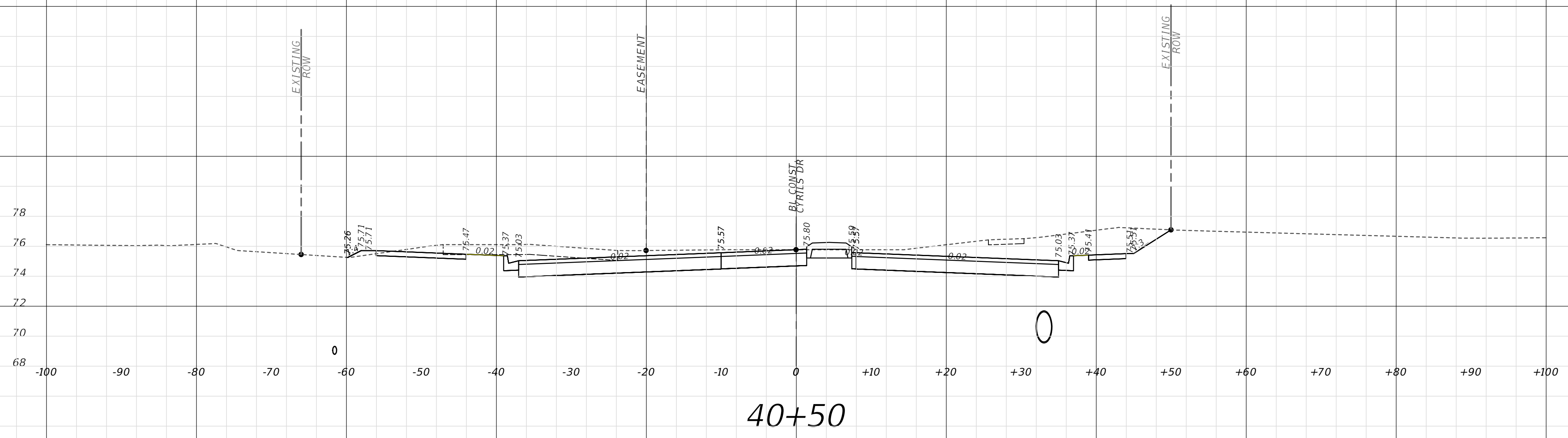
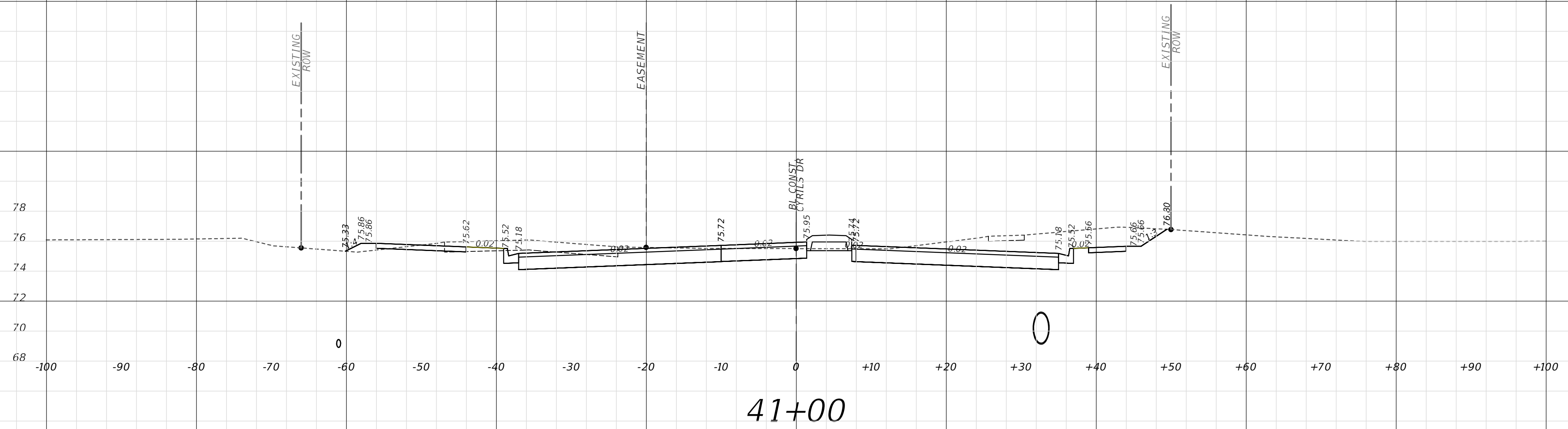
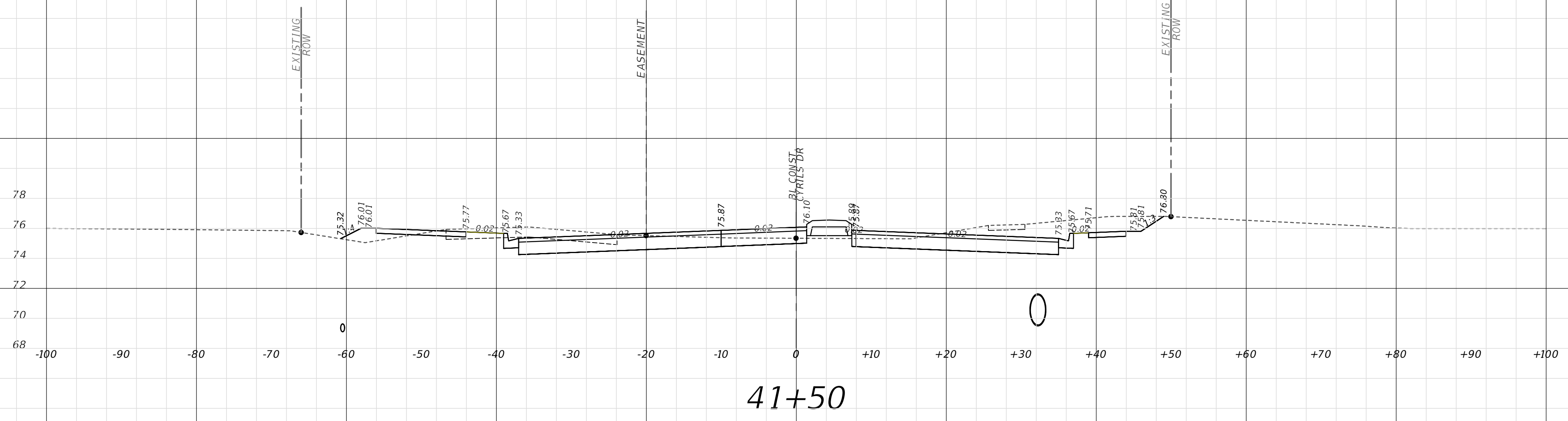
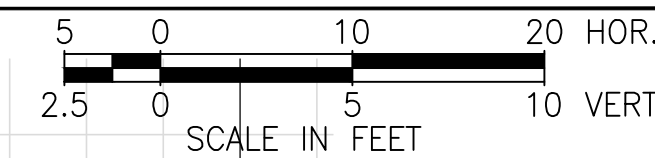
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET NO.

112



RICHARD DEAN BOBLETZ
P.E. NO. 004049
DATE: September 27, 2021

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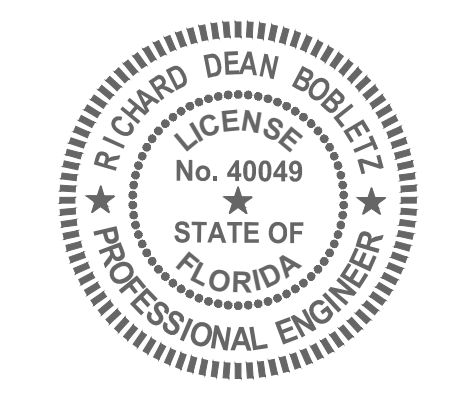
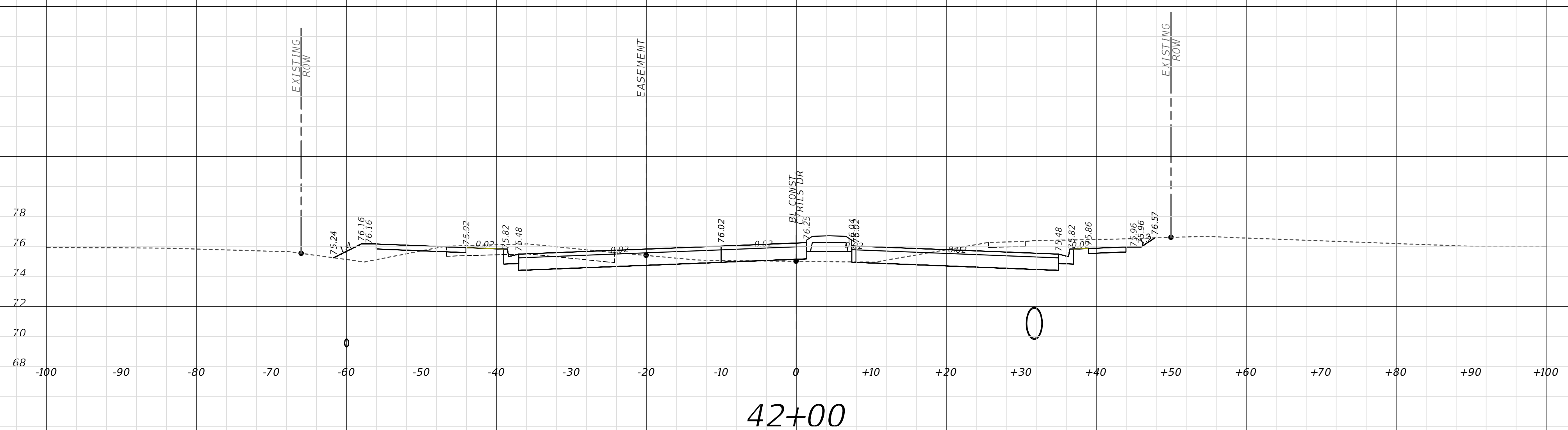
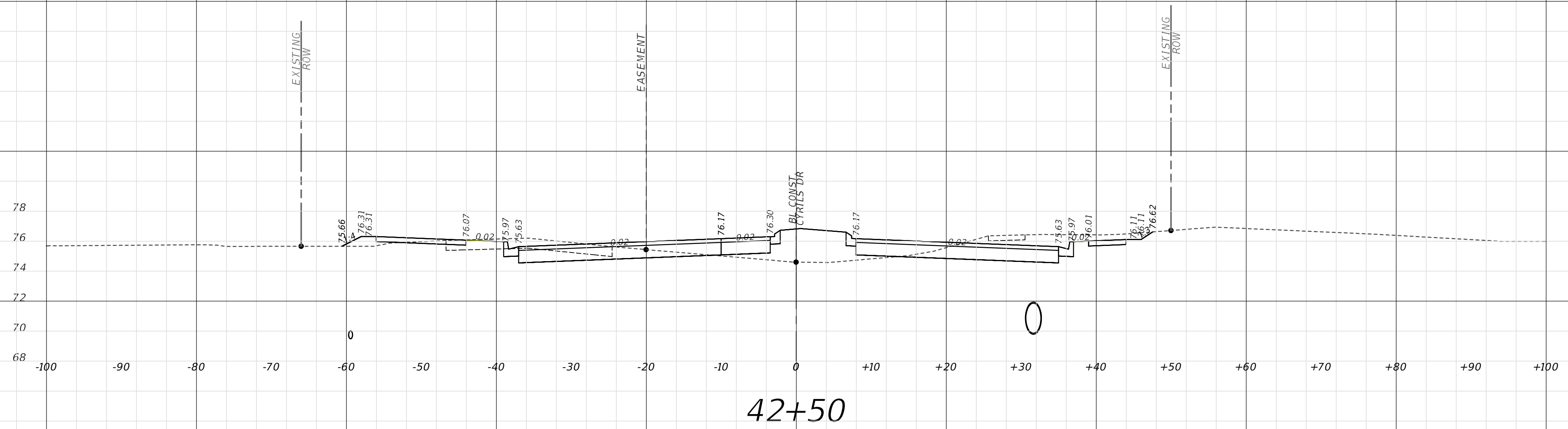
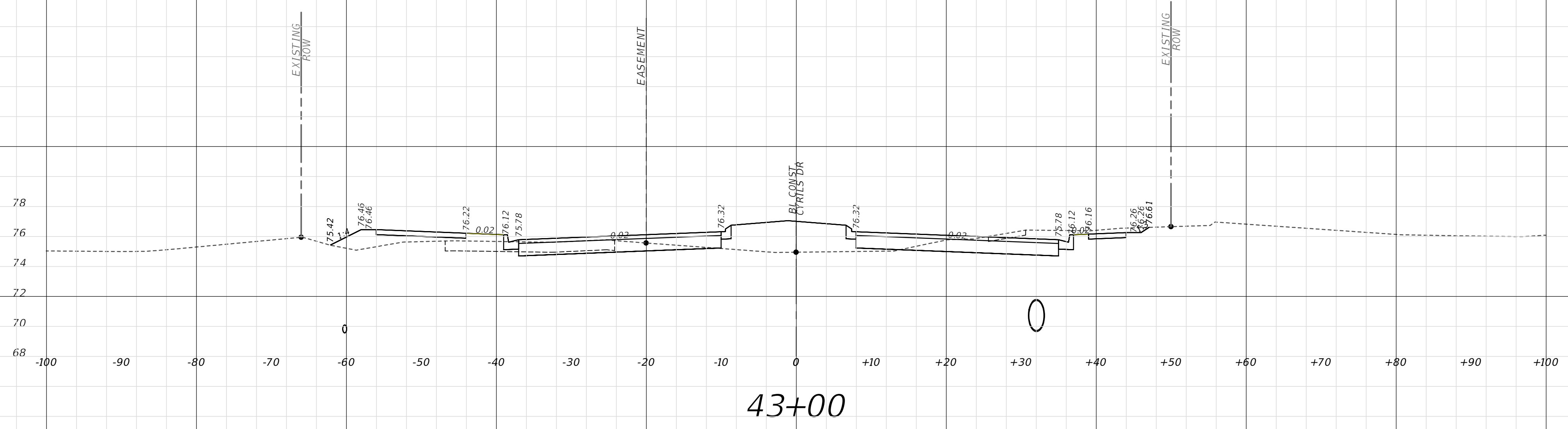
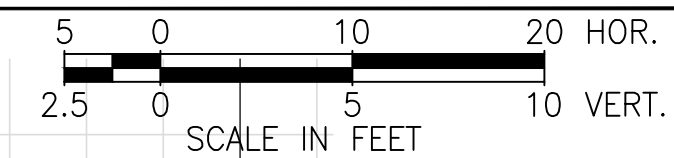
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OSCEOLA COUNTY
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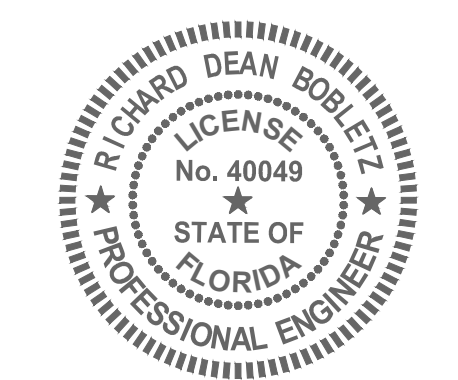
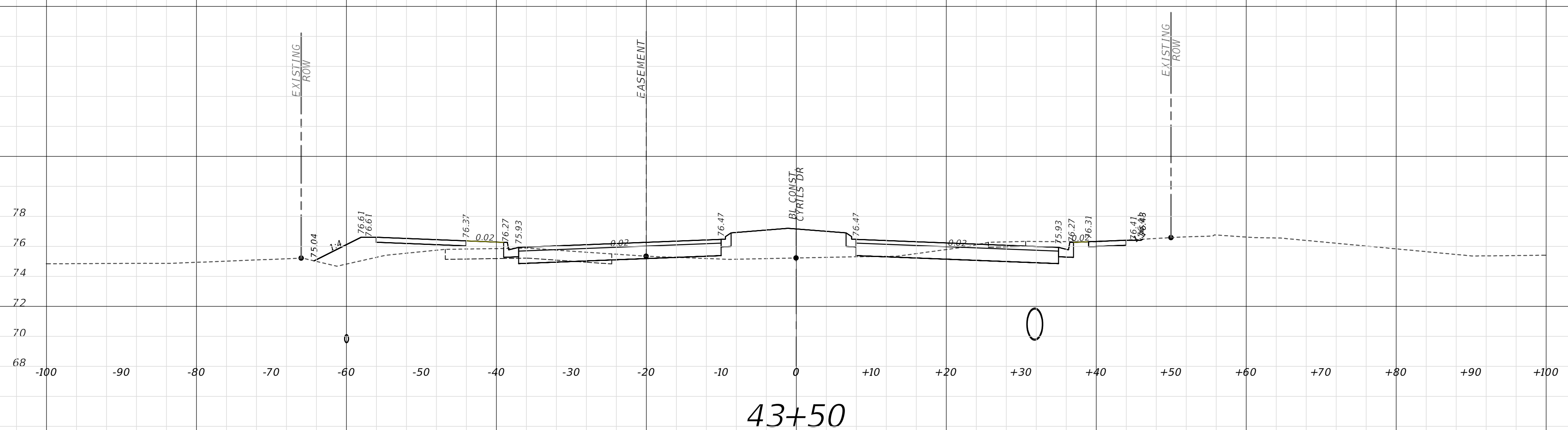
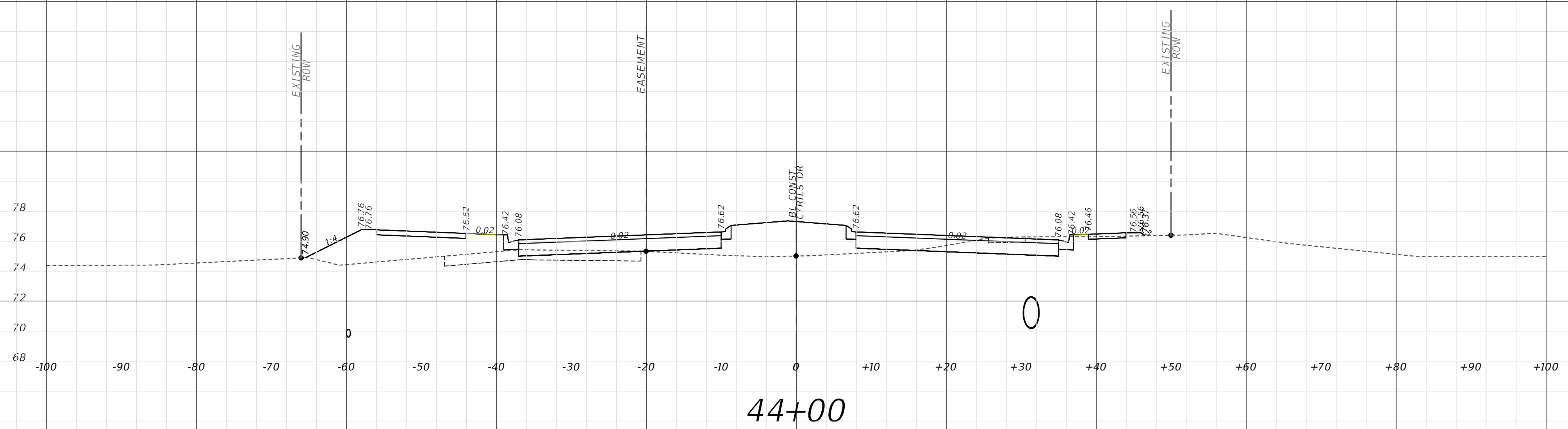
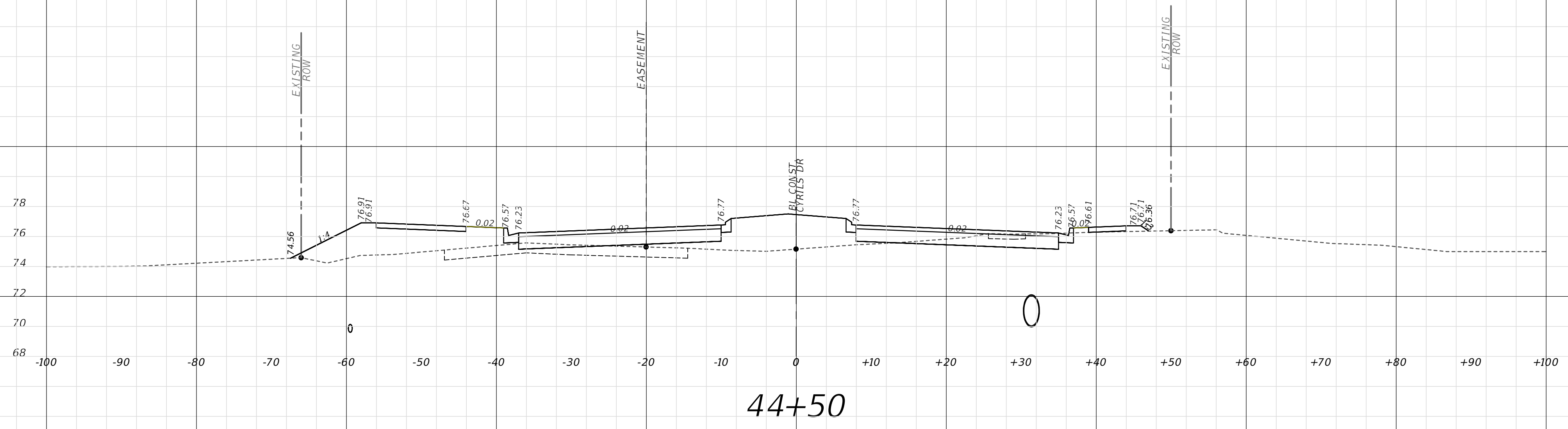
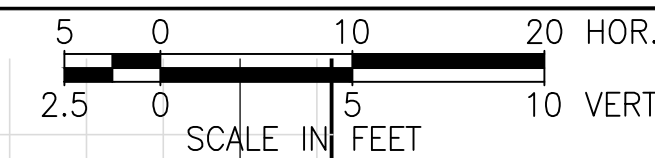
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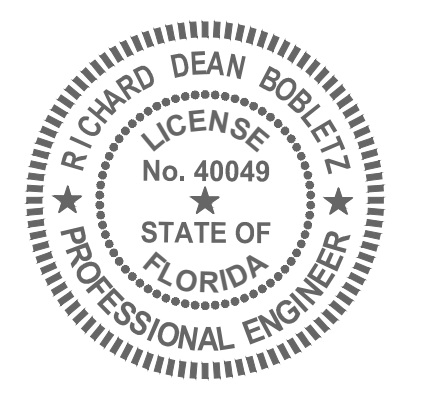
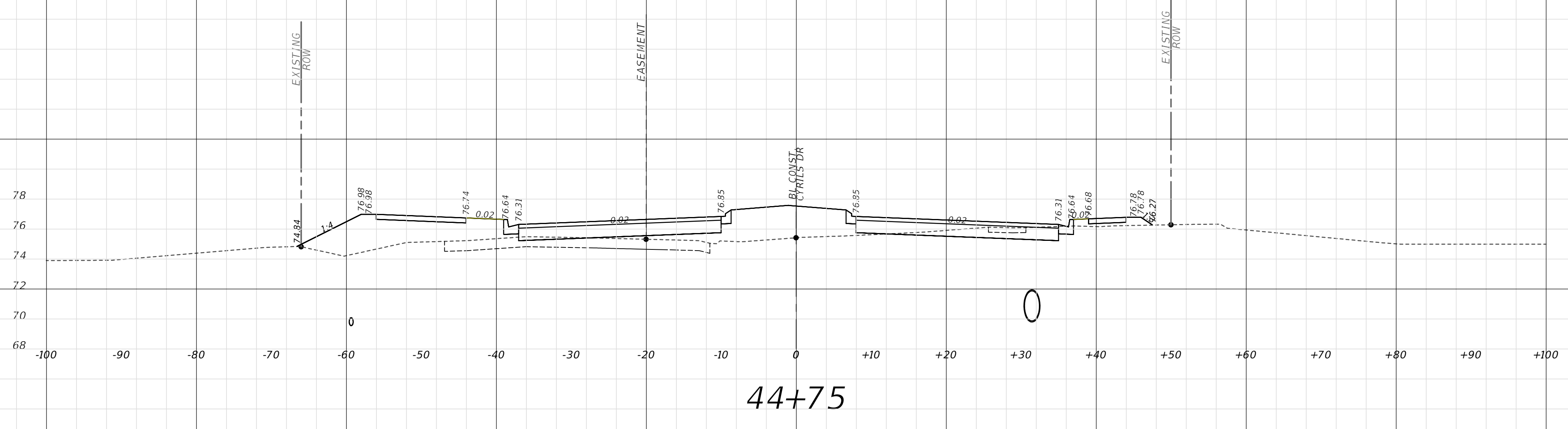
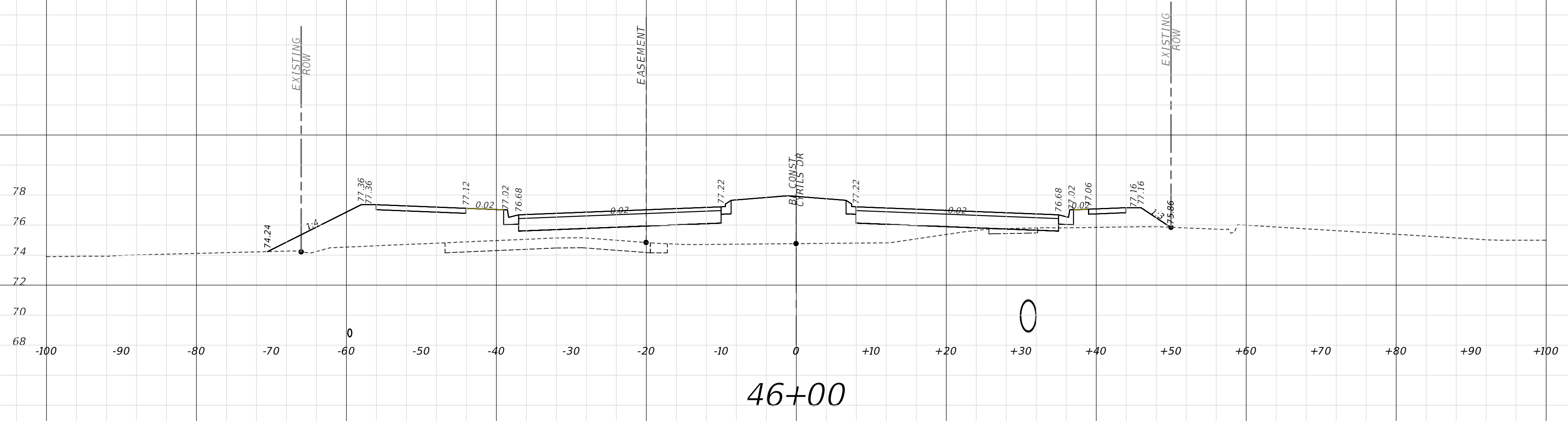
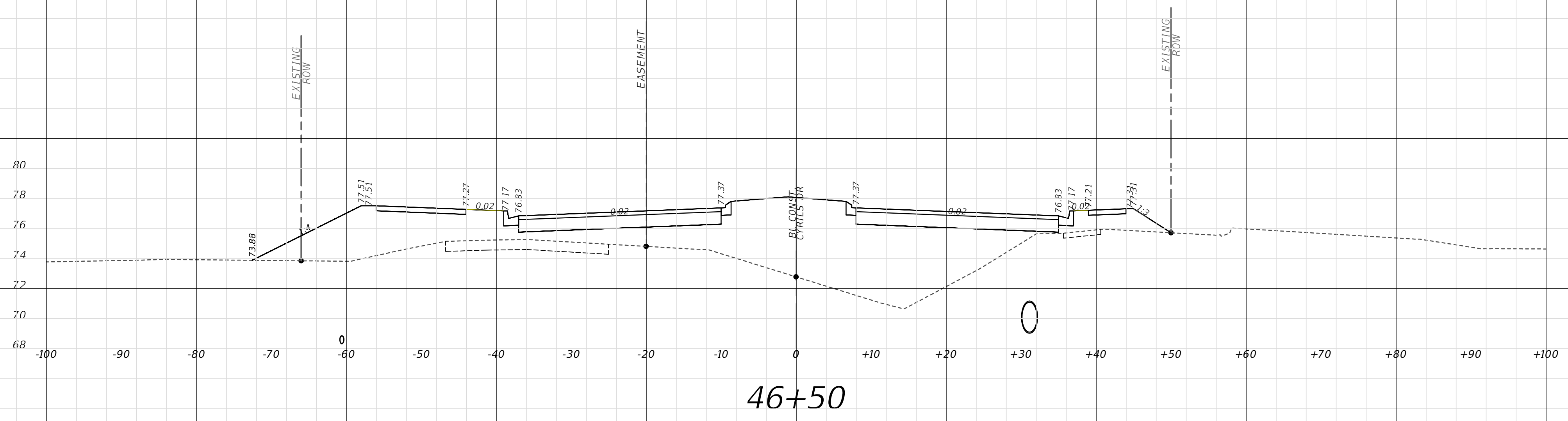
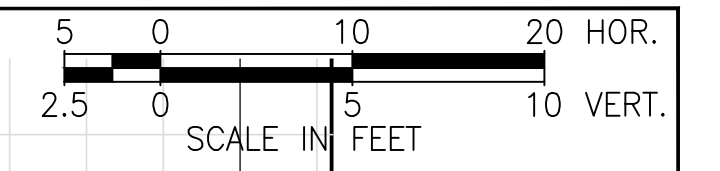
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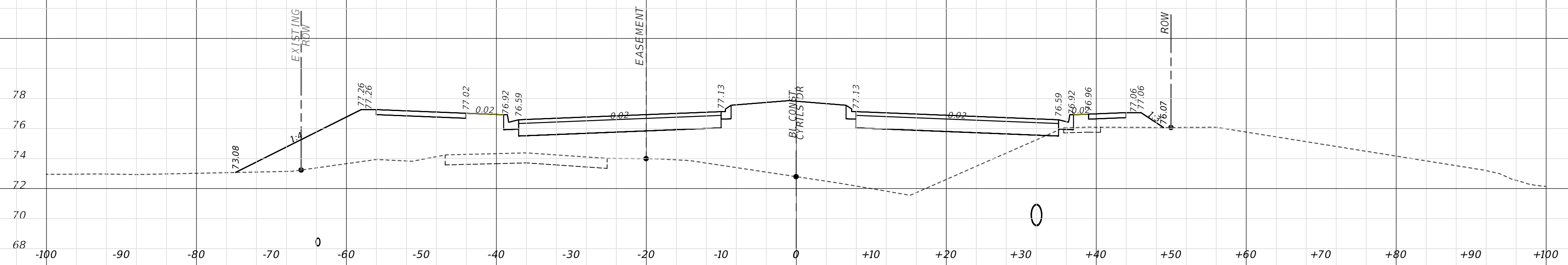
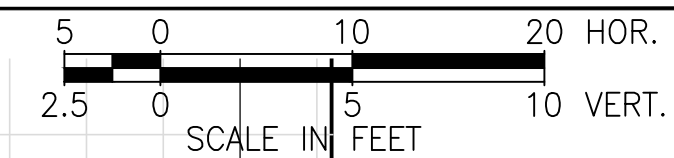
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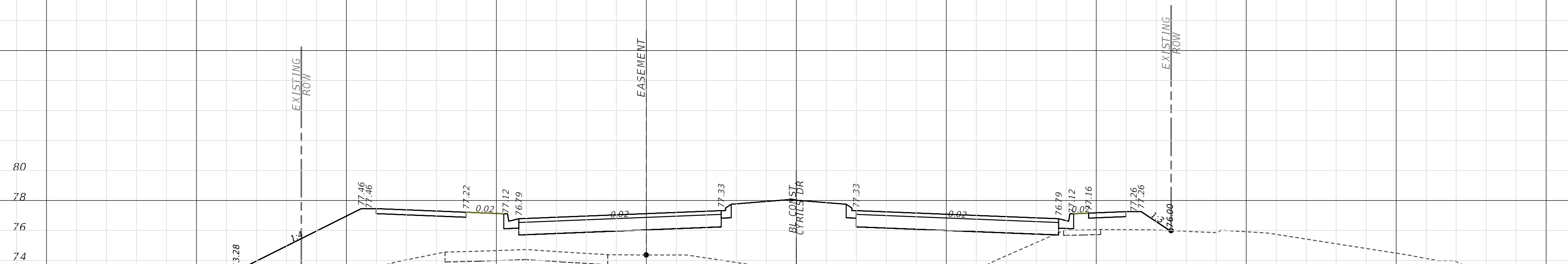
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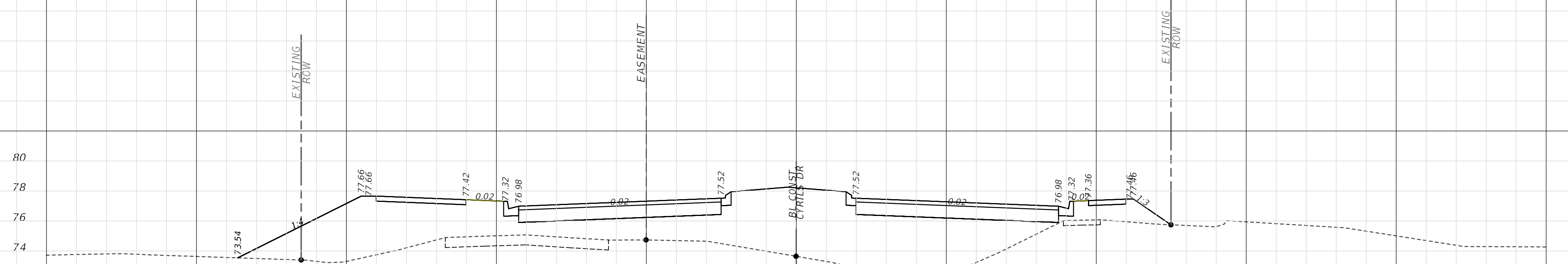
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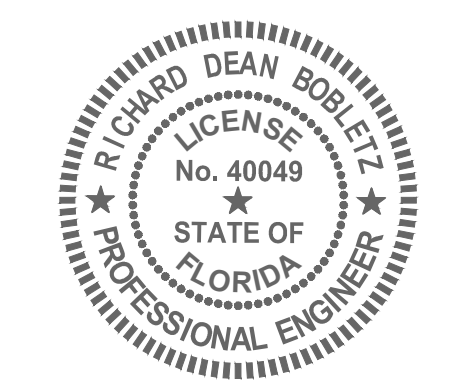
48+00



47+50



47+00



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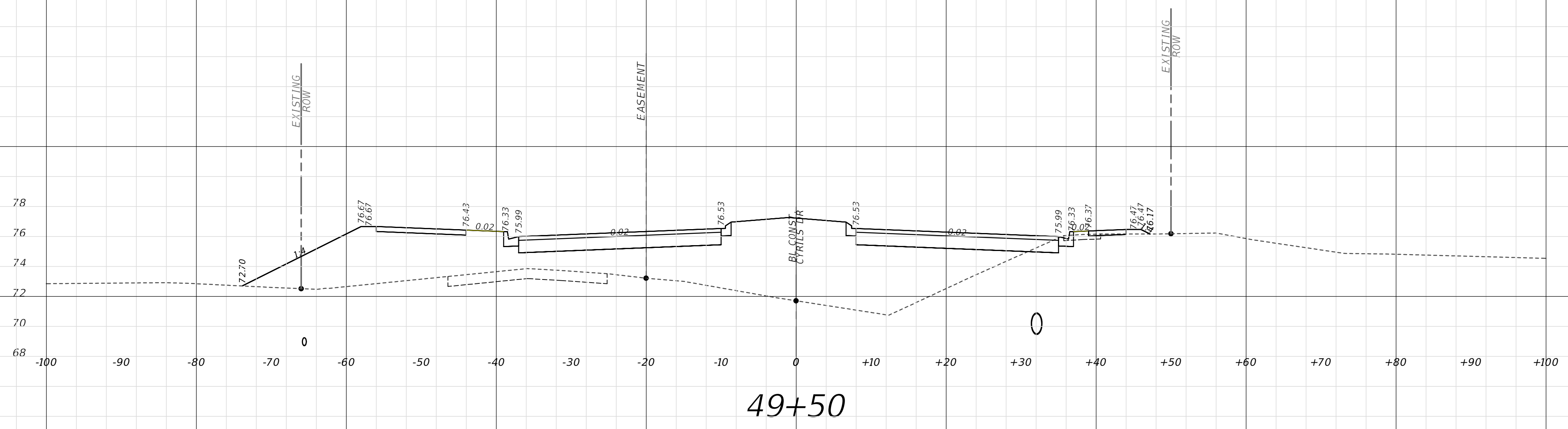
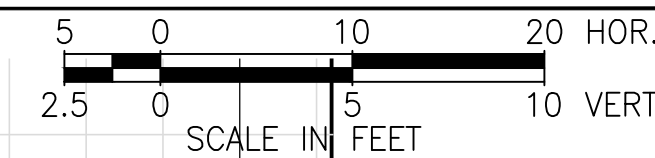
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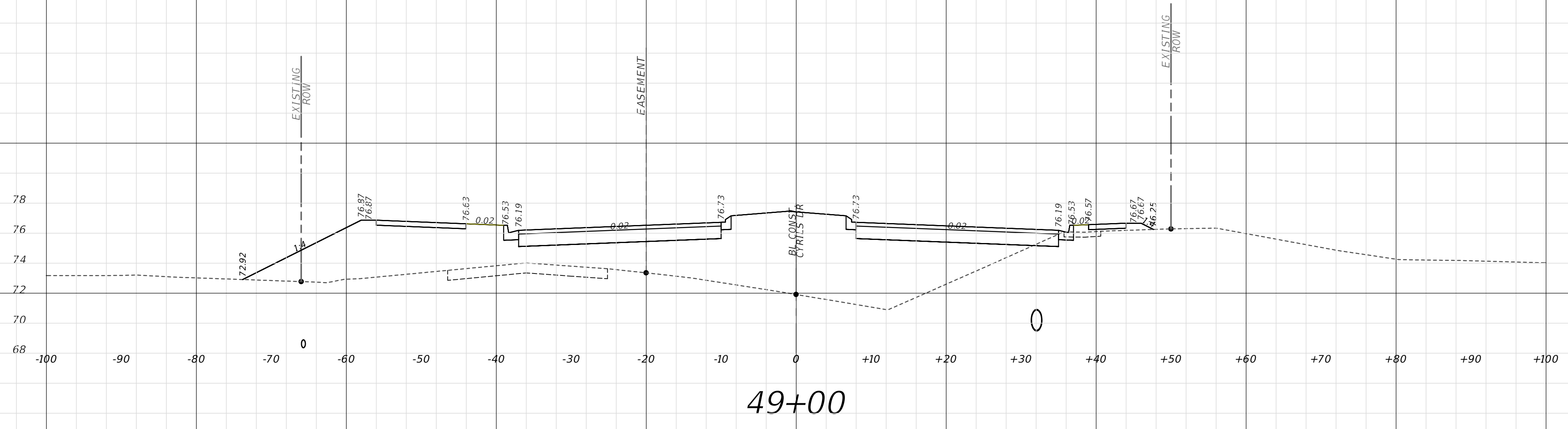
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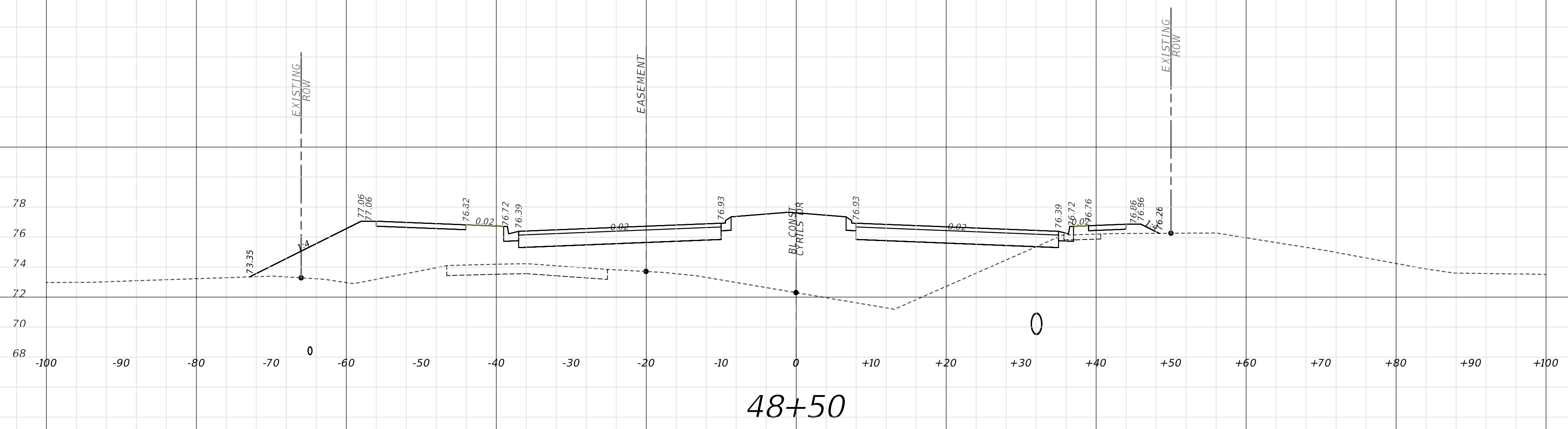
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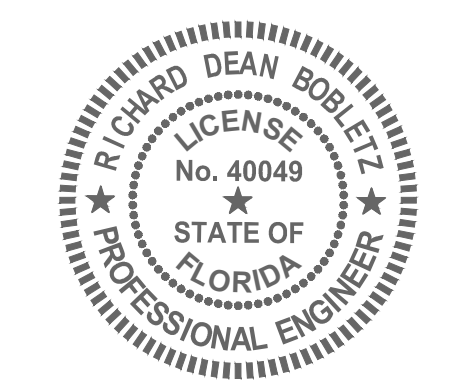
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49+00



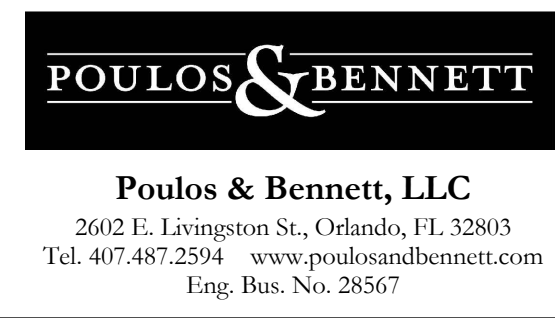
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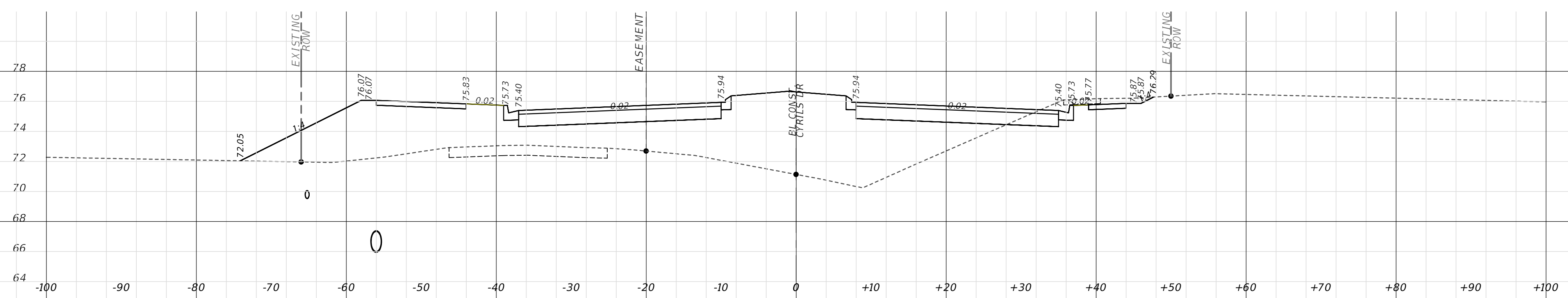
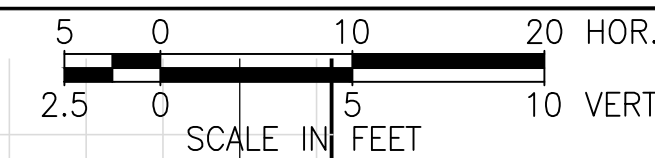
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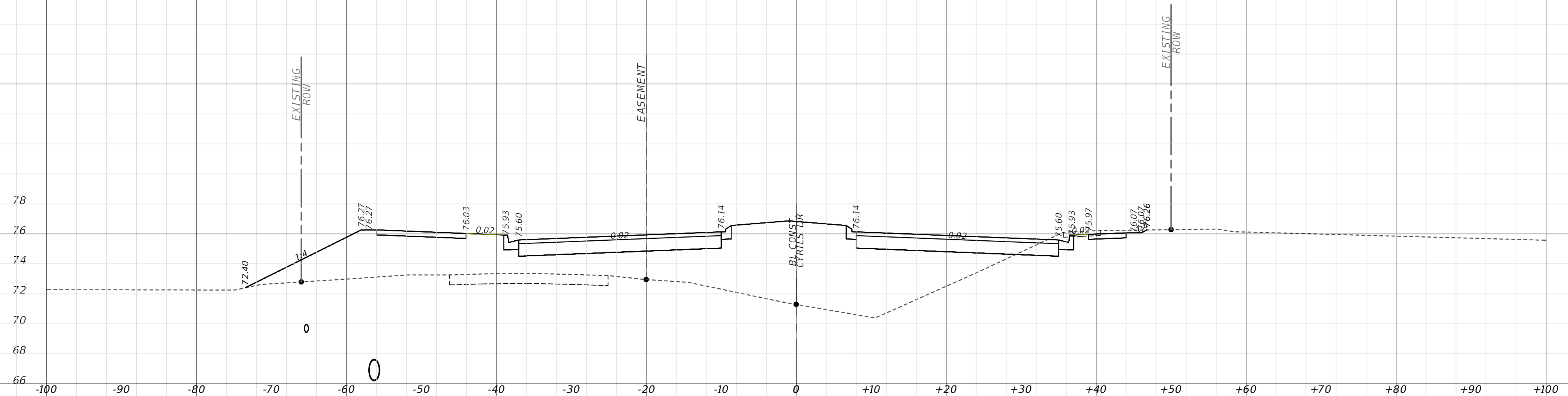
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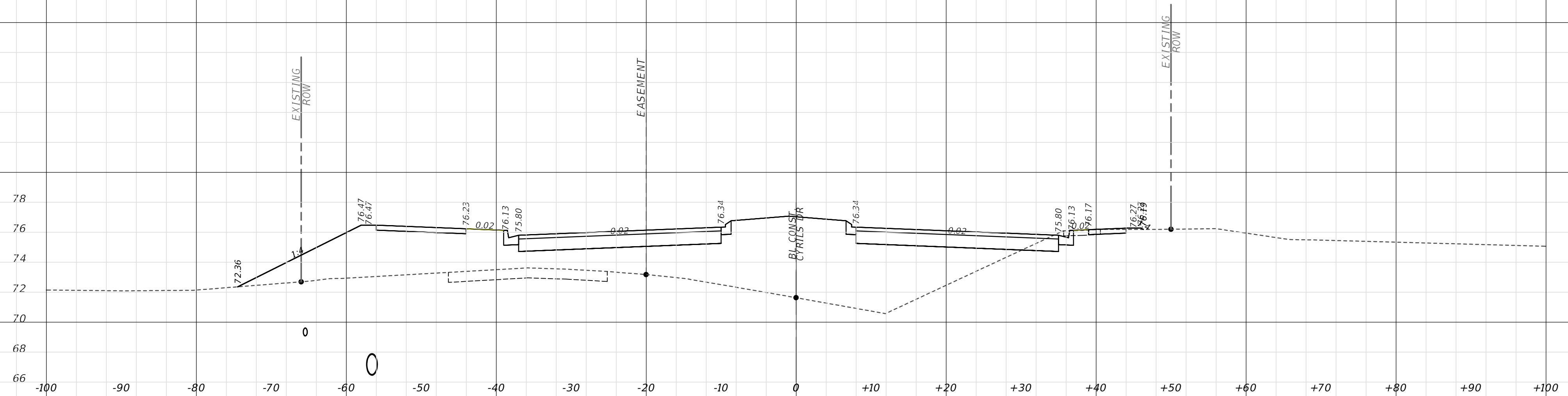
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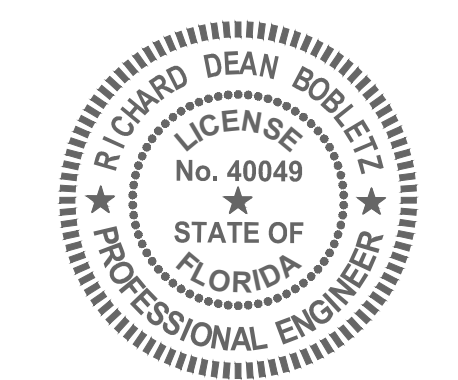
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50+50



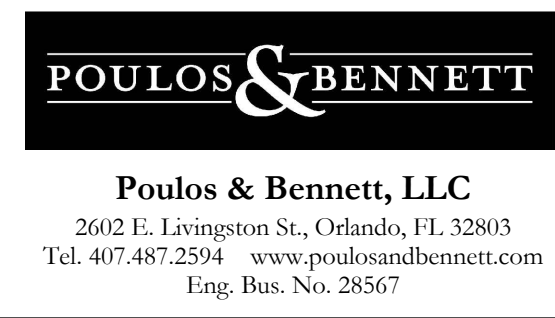
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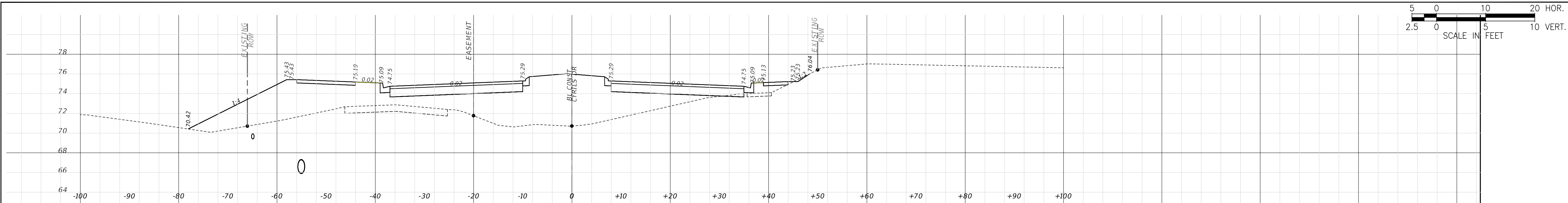
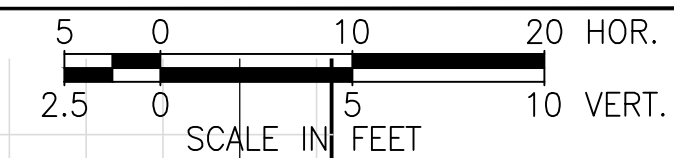
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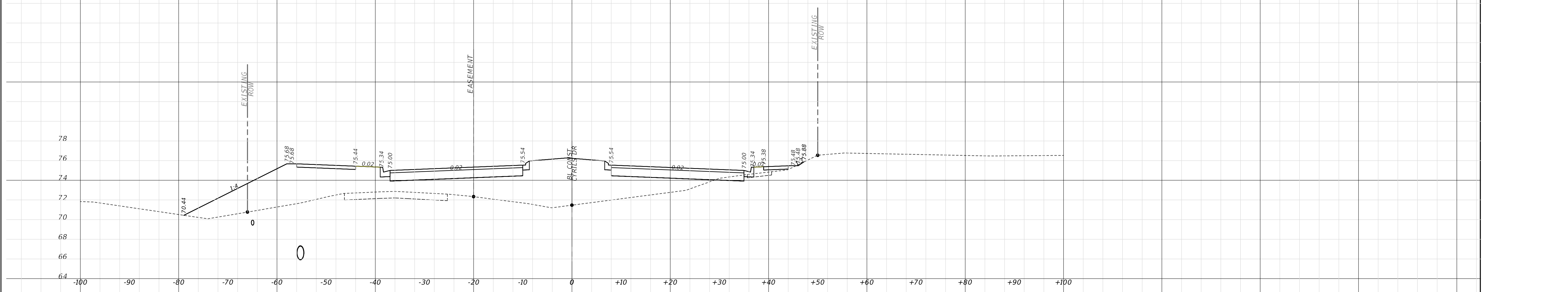
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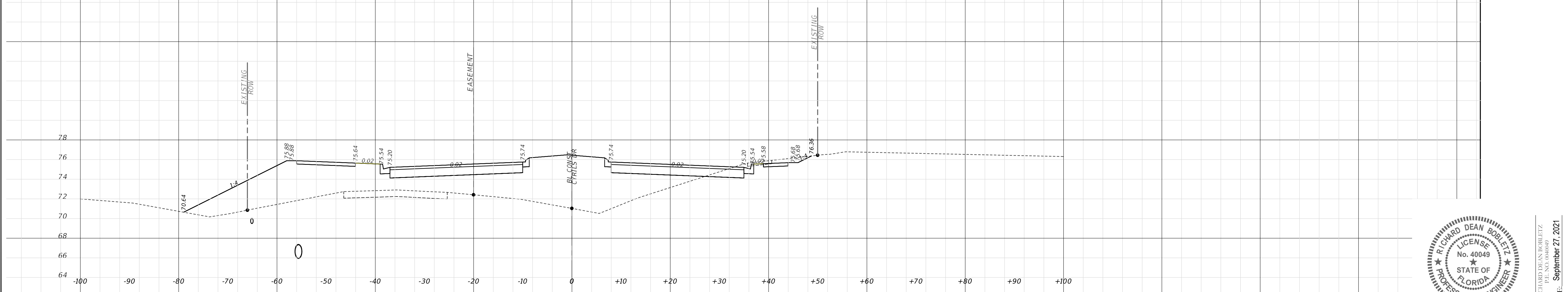
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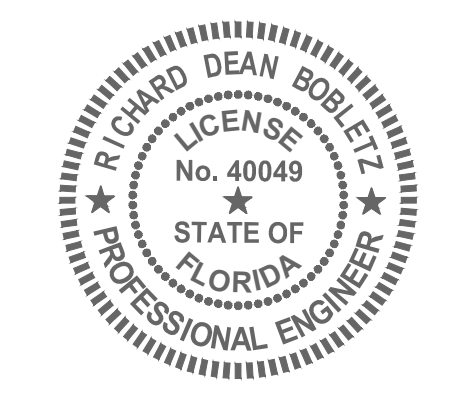
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52+00



51+50



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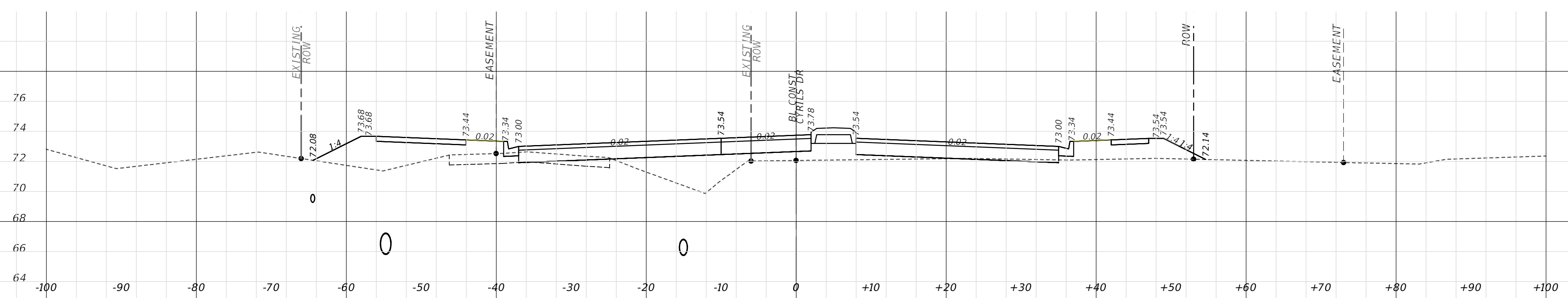
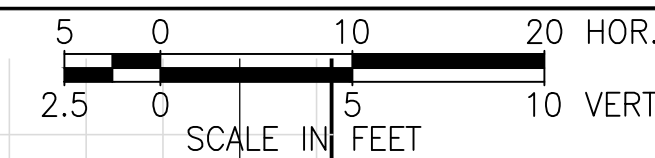
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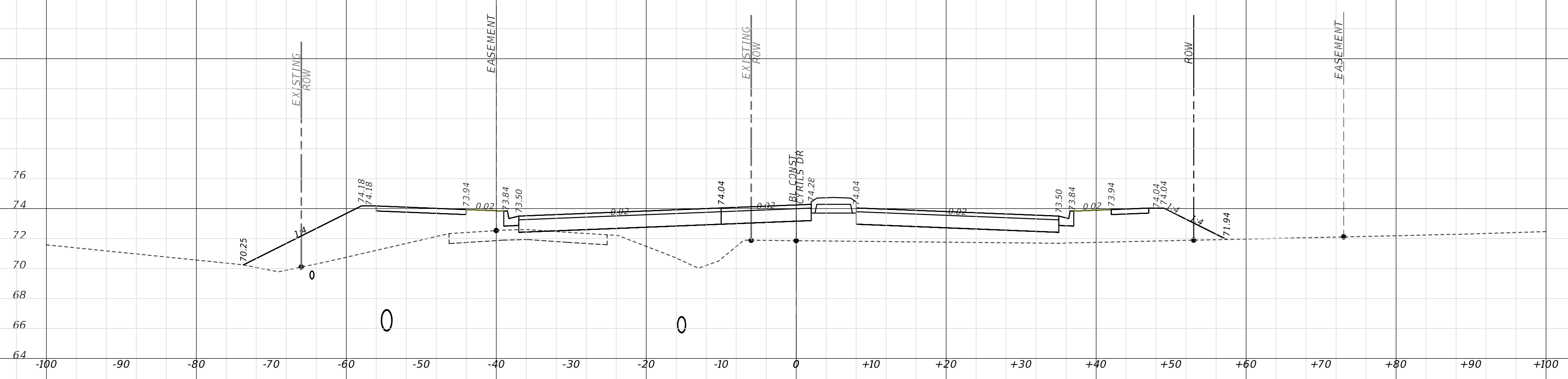
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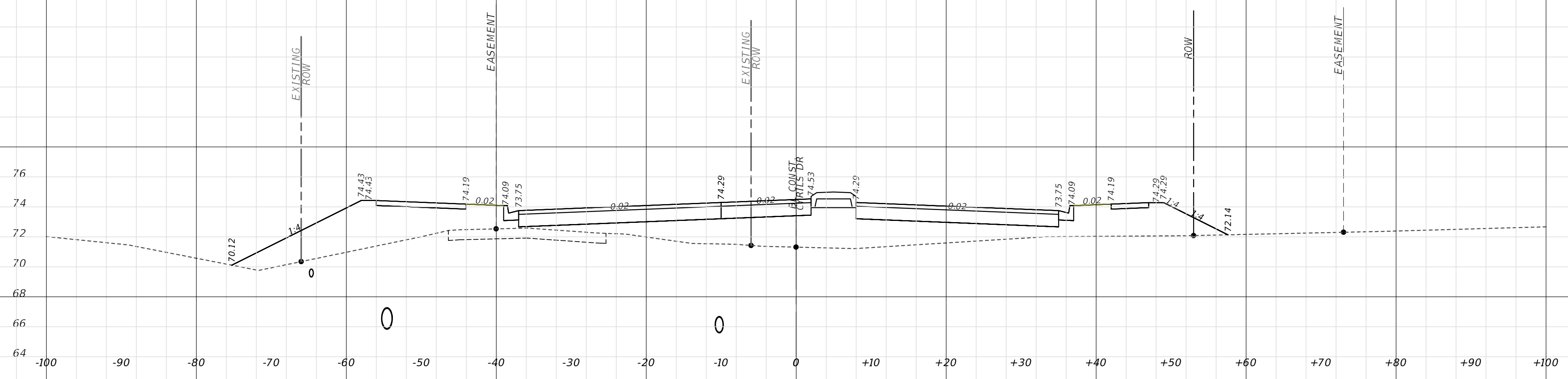
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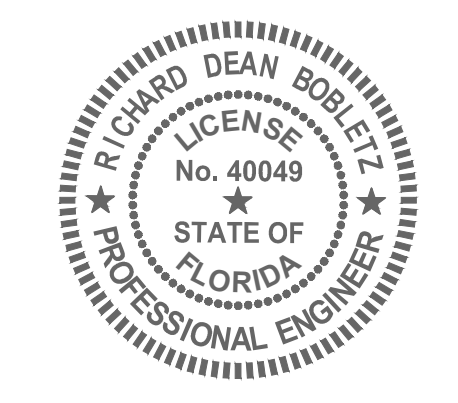
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53+50



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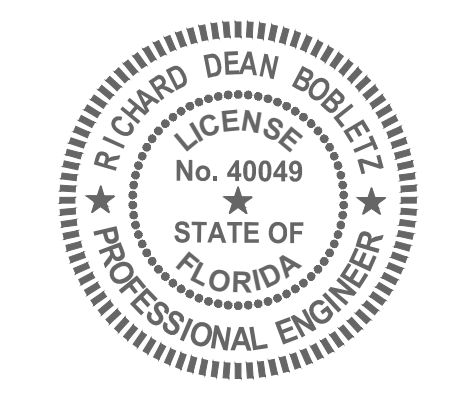
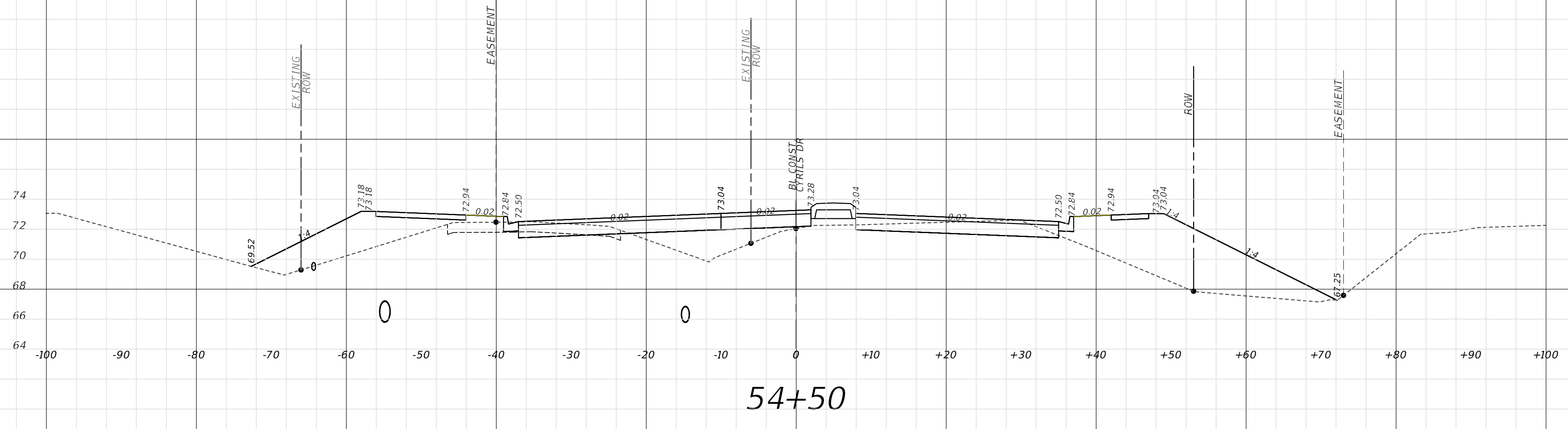
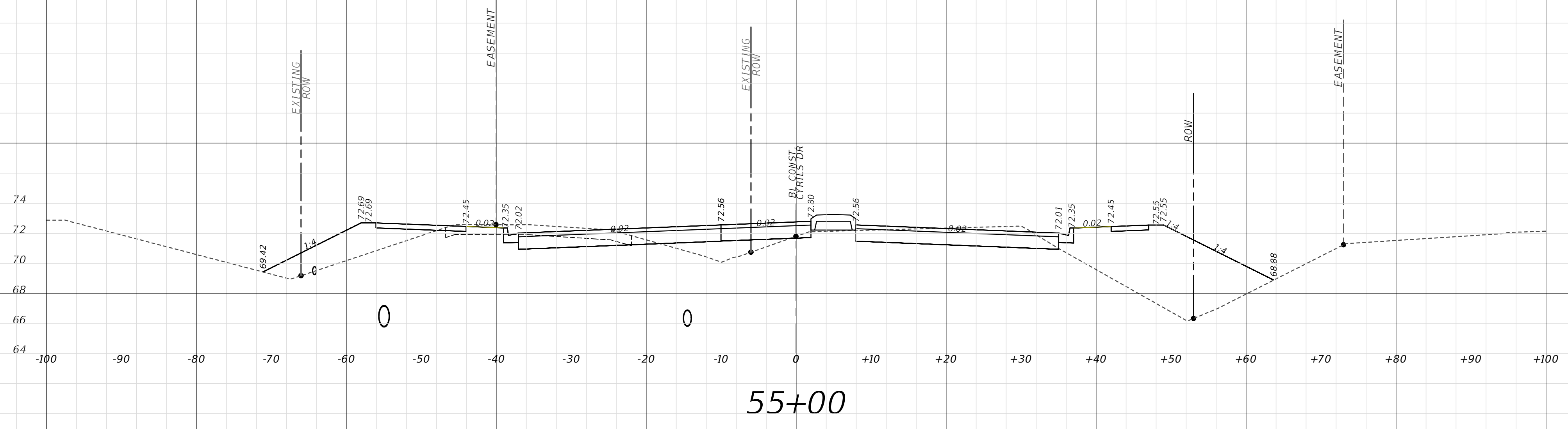
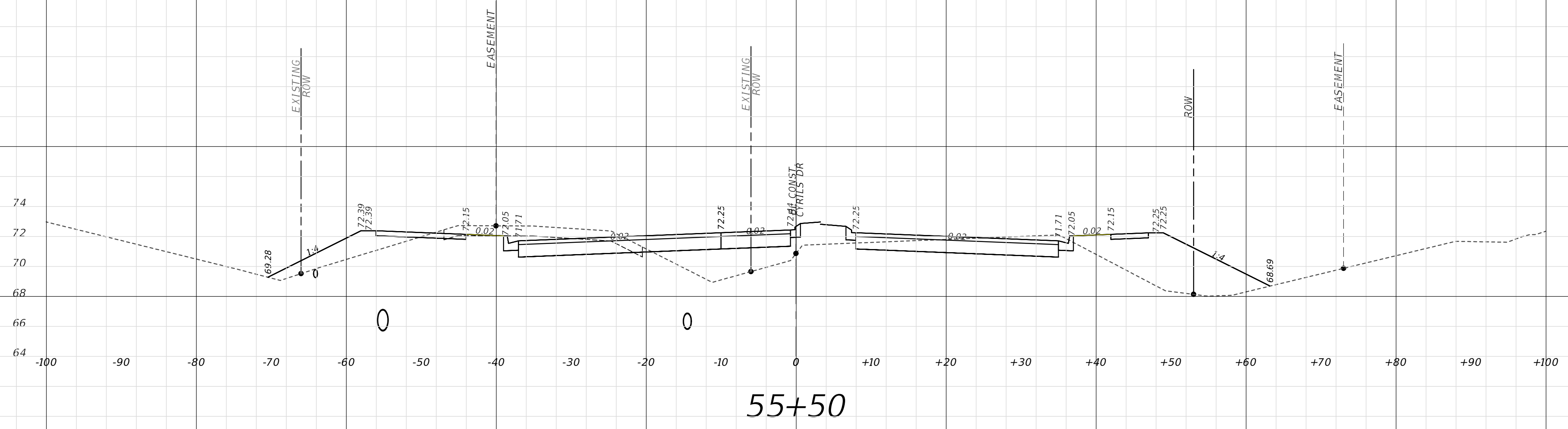
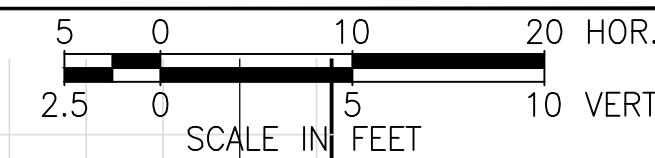
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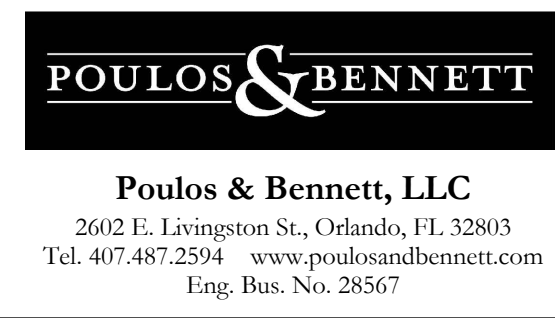
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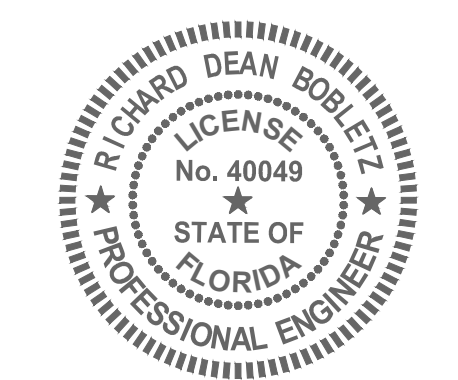
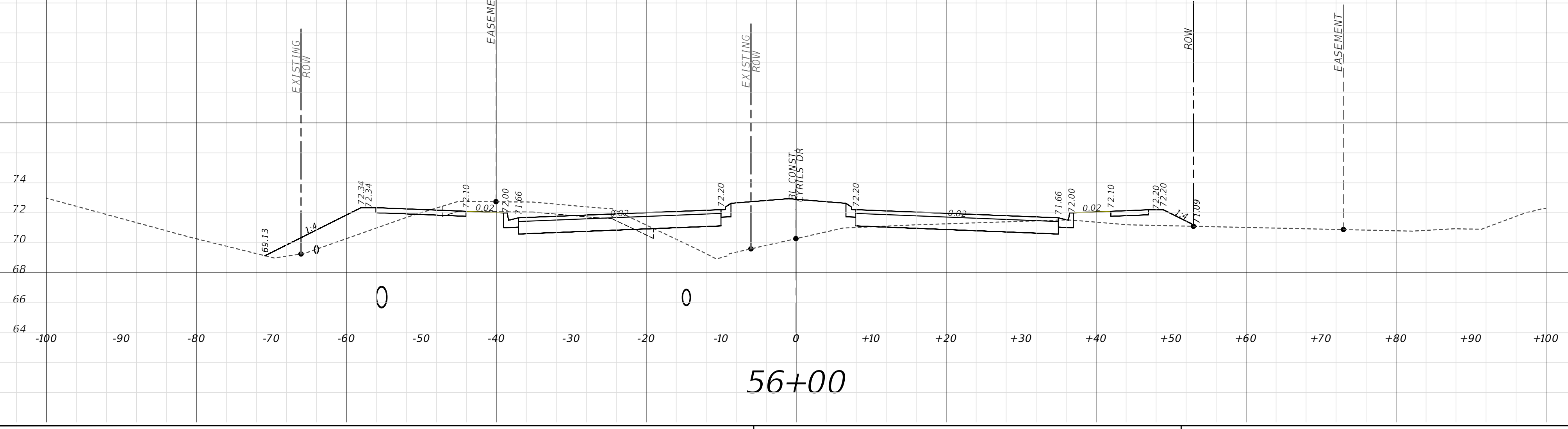
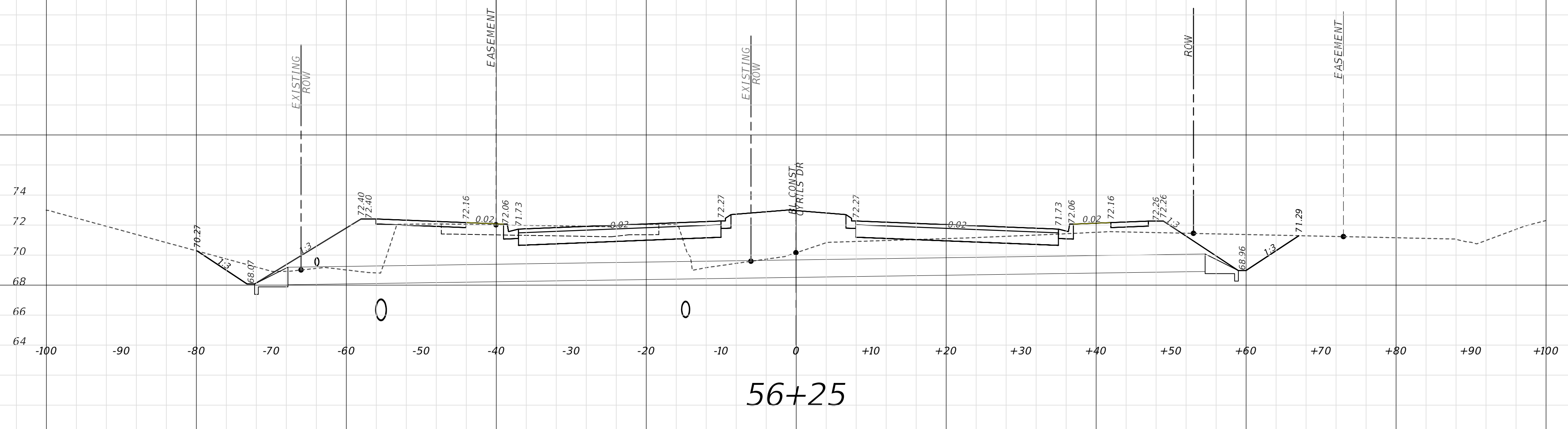
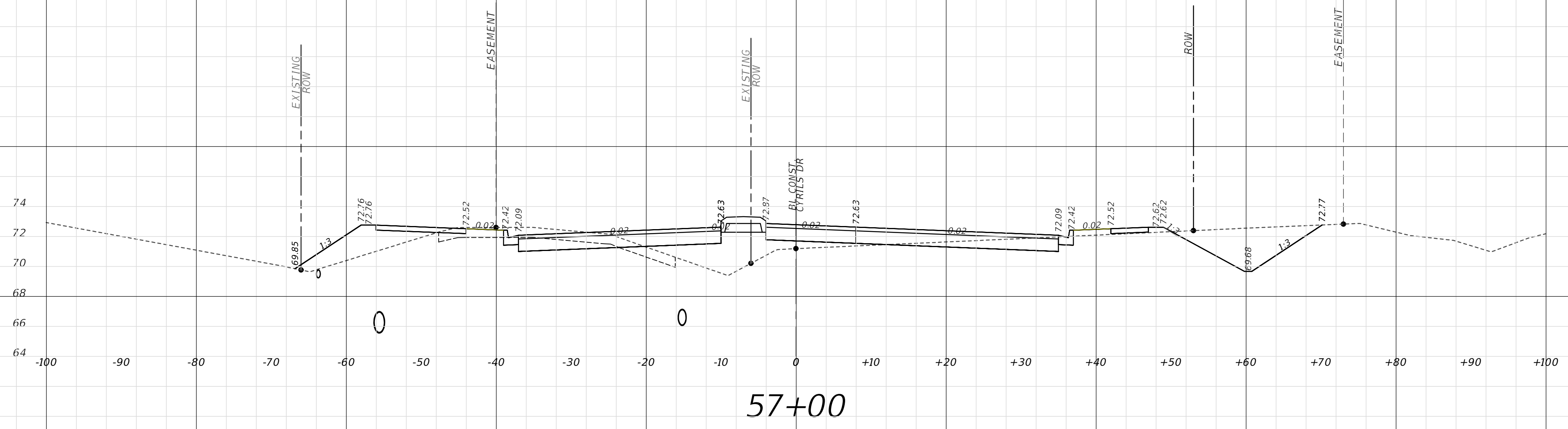
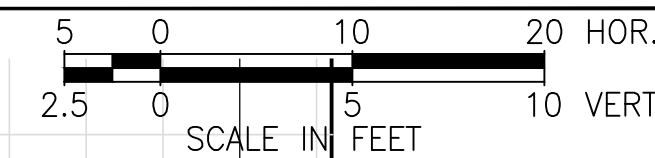


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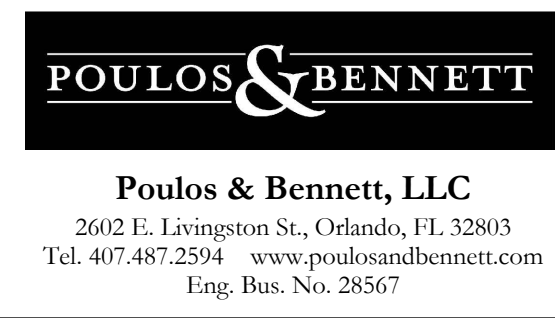
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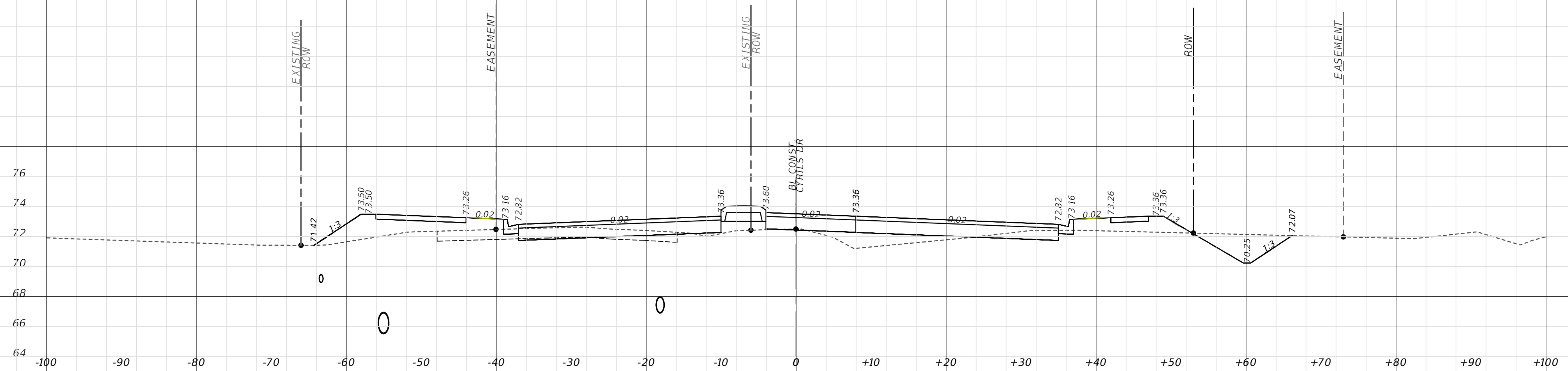
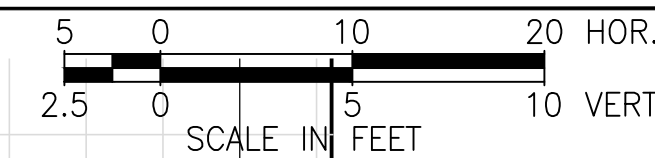
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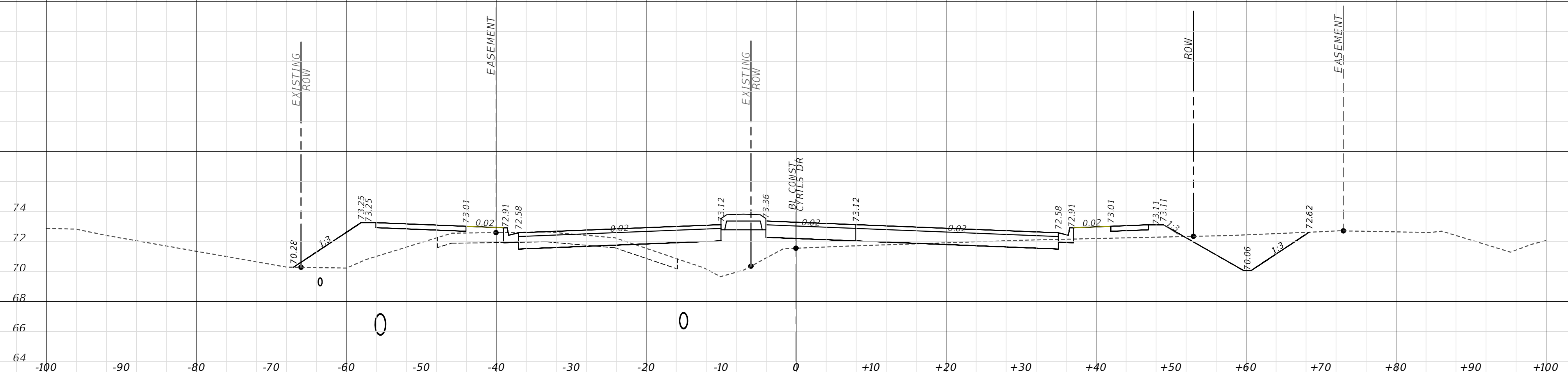
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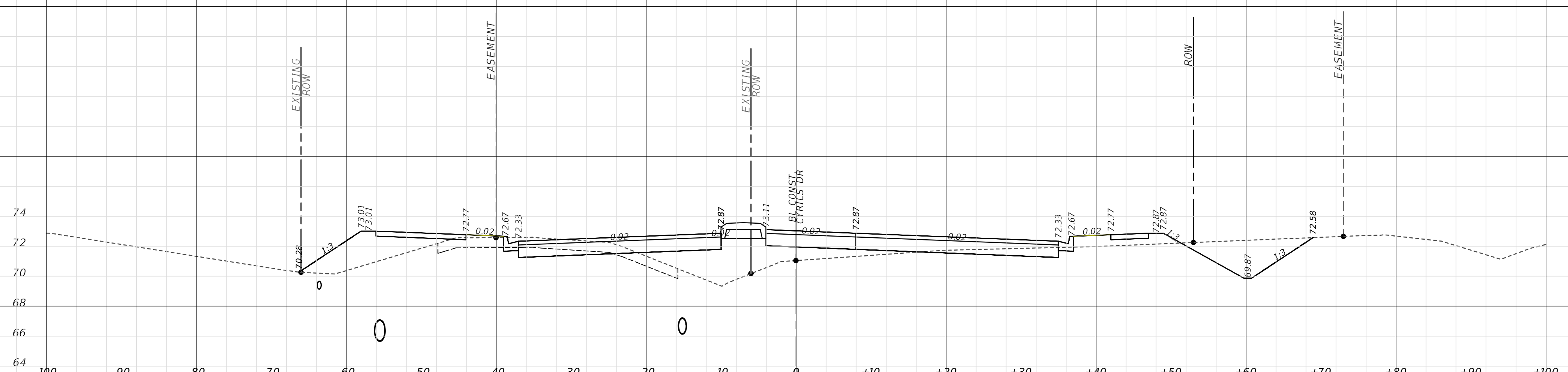
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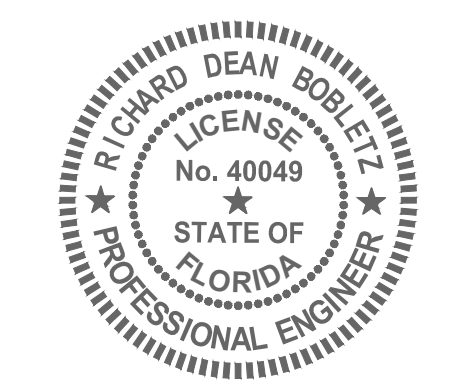
58+50



58+00



57+50



RICHARD DEAN BOBLETZ
P.E. NO. 004049
DATE: September 27, 2021

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Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

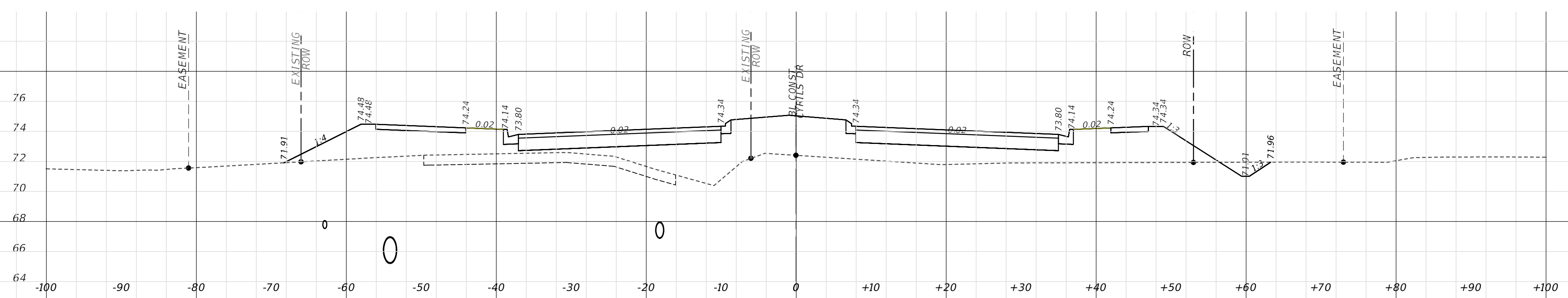
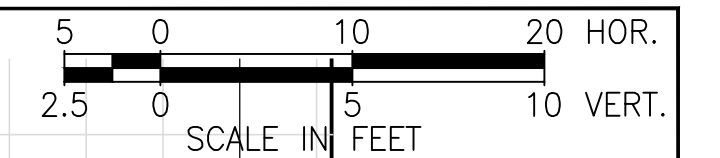
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

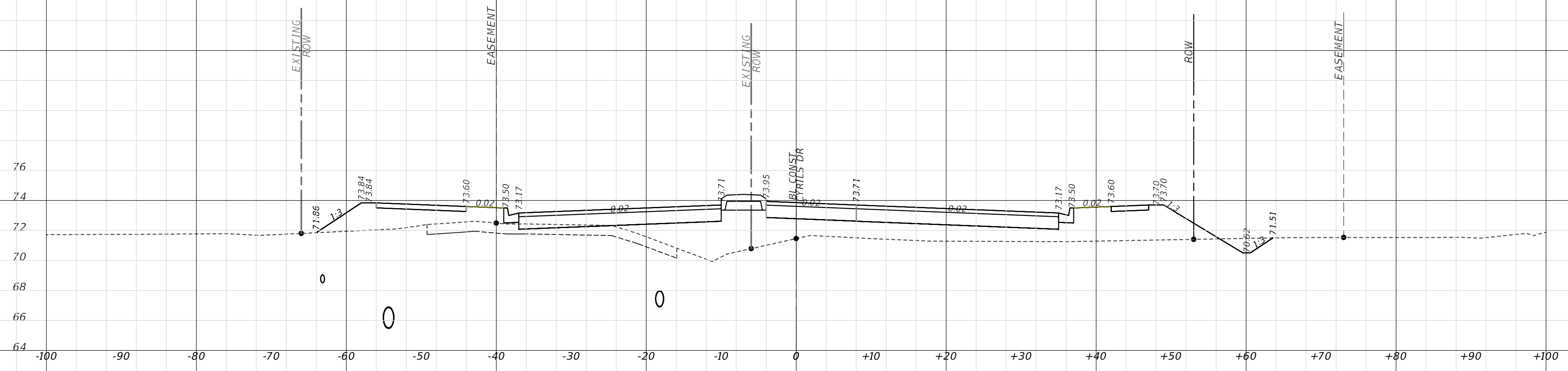
CROSS SECTIONS

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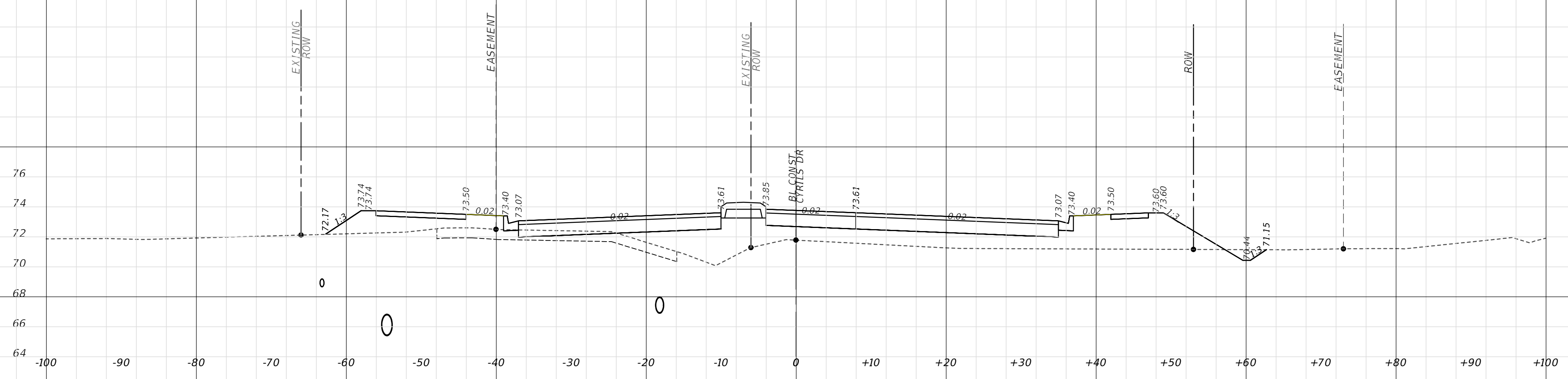
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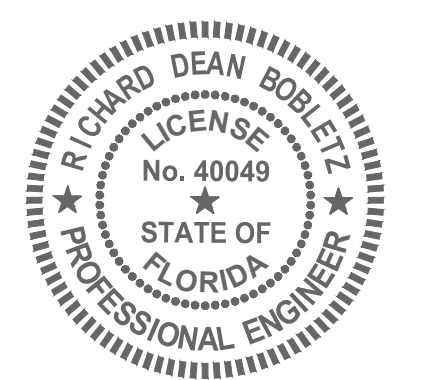
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59+20



59+00



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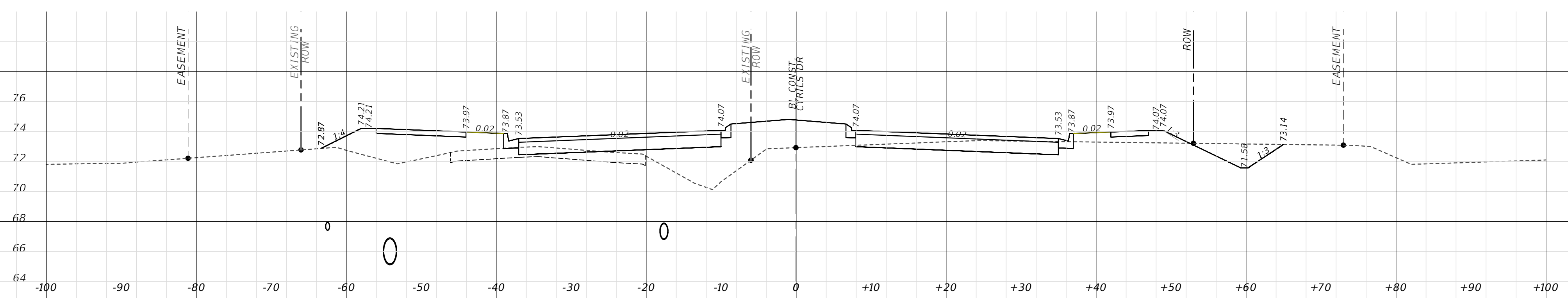
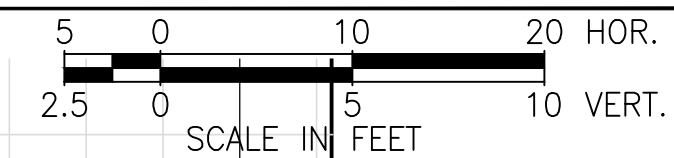
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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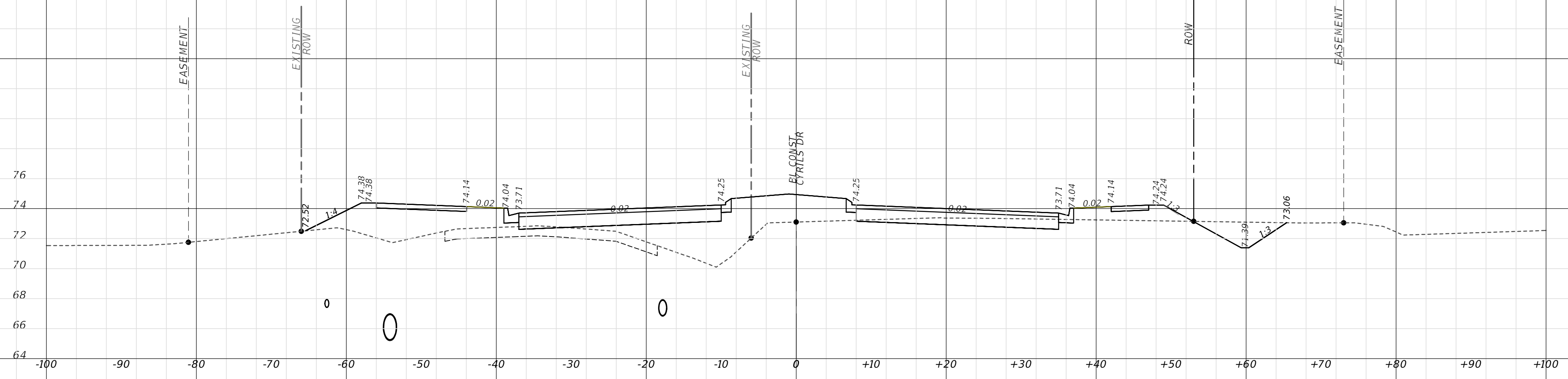
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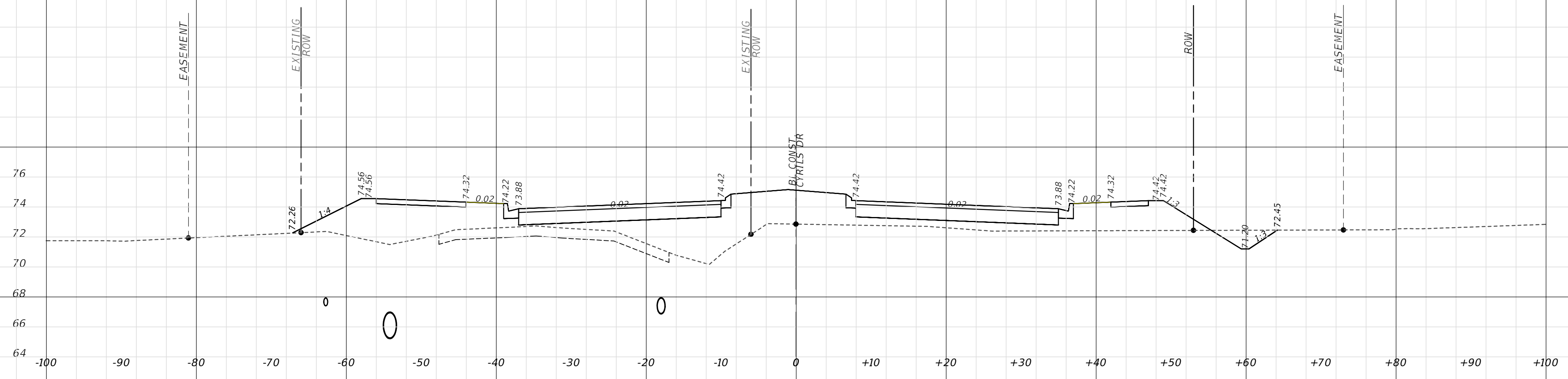
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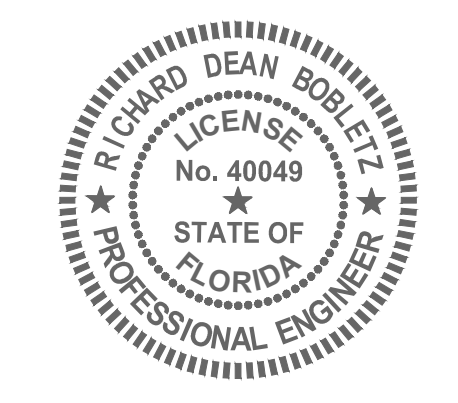
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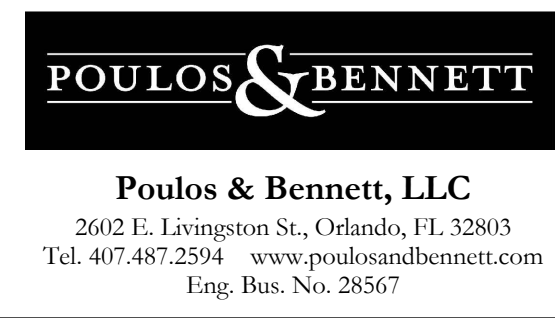
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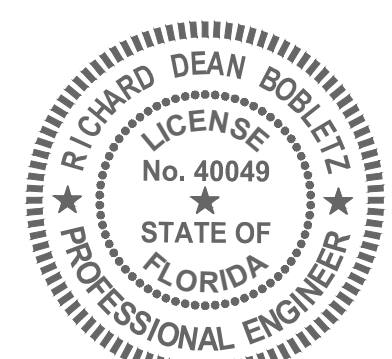
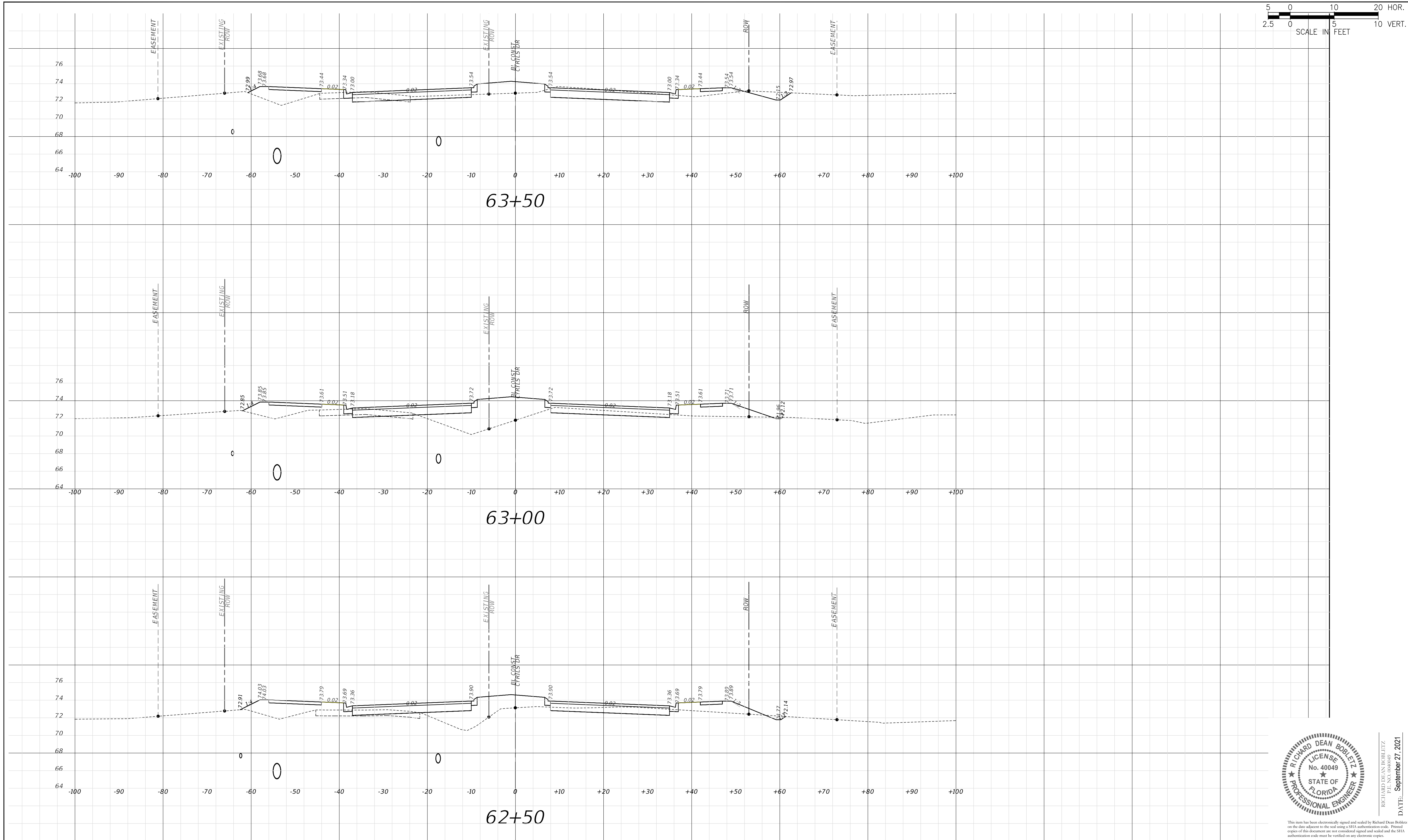
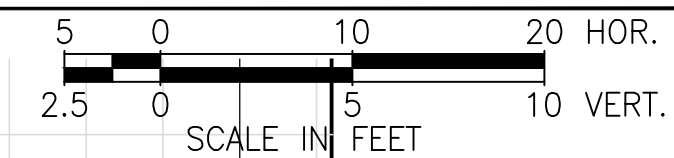
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OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
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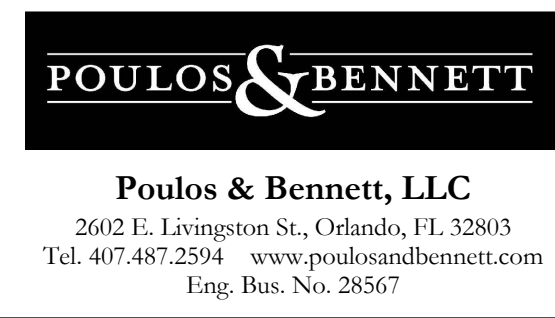
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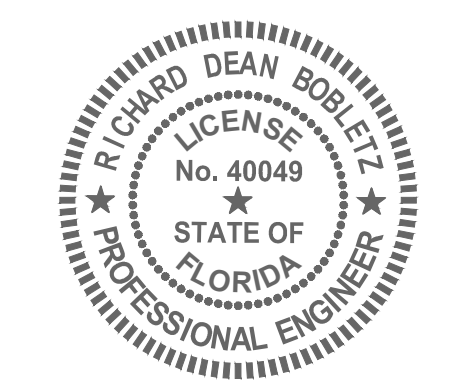
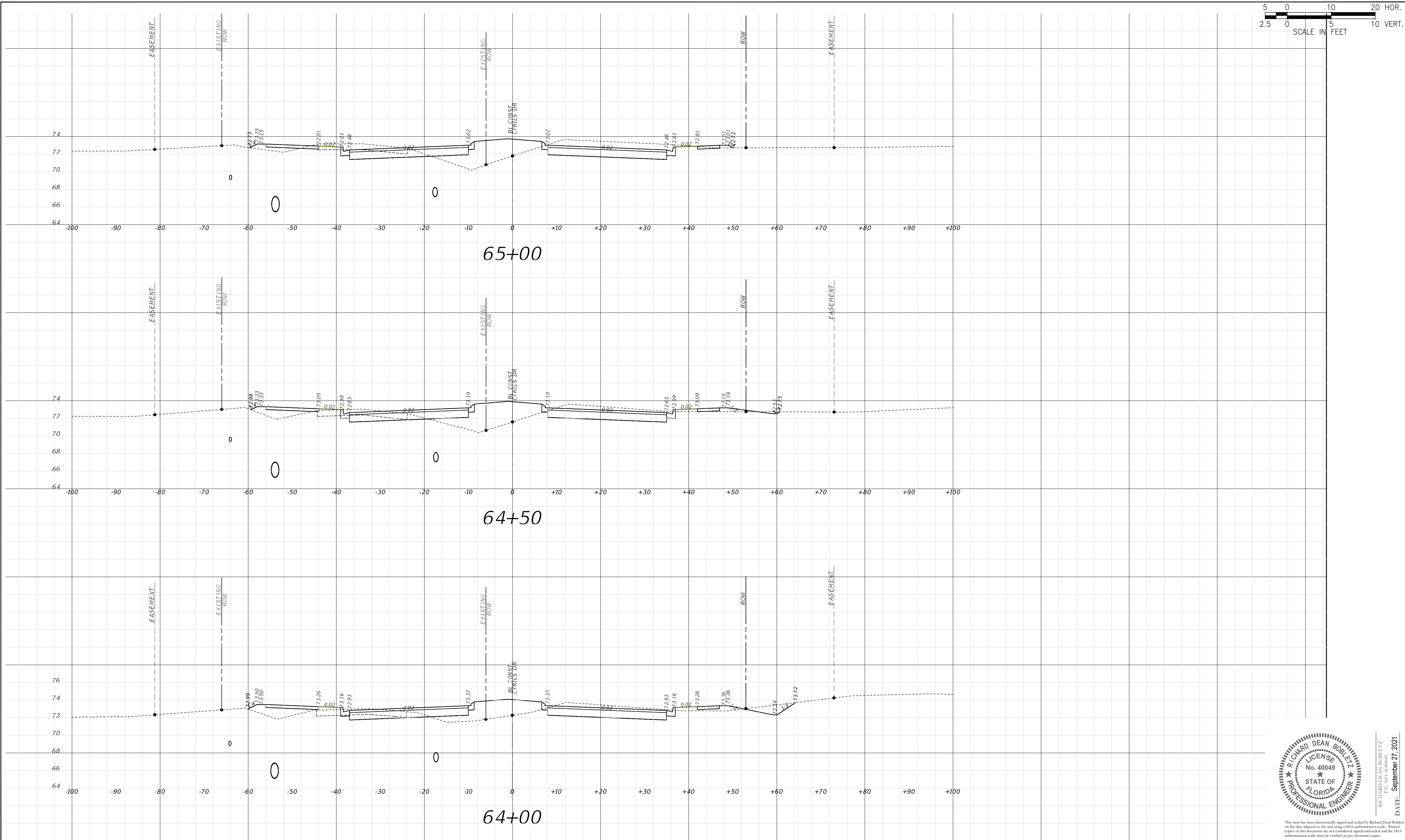
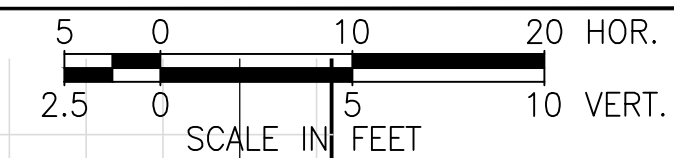
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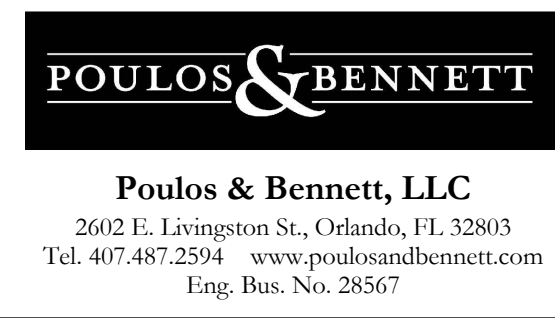
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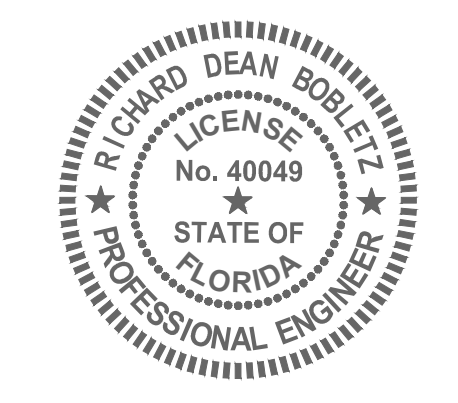
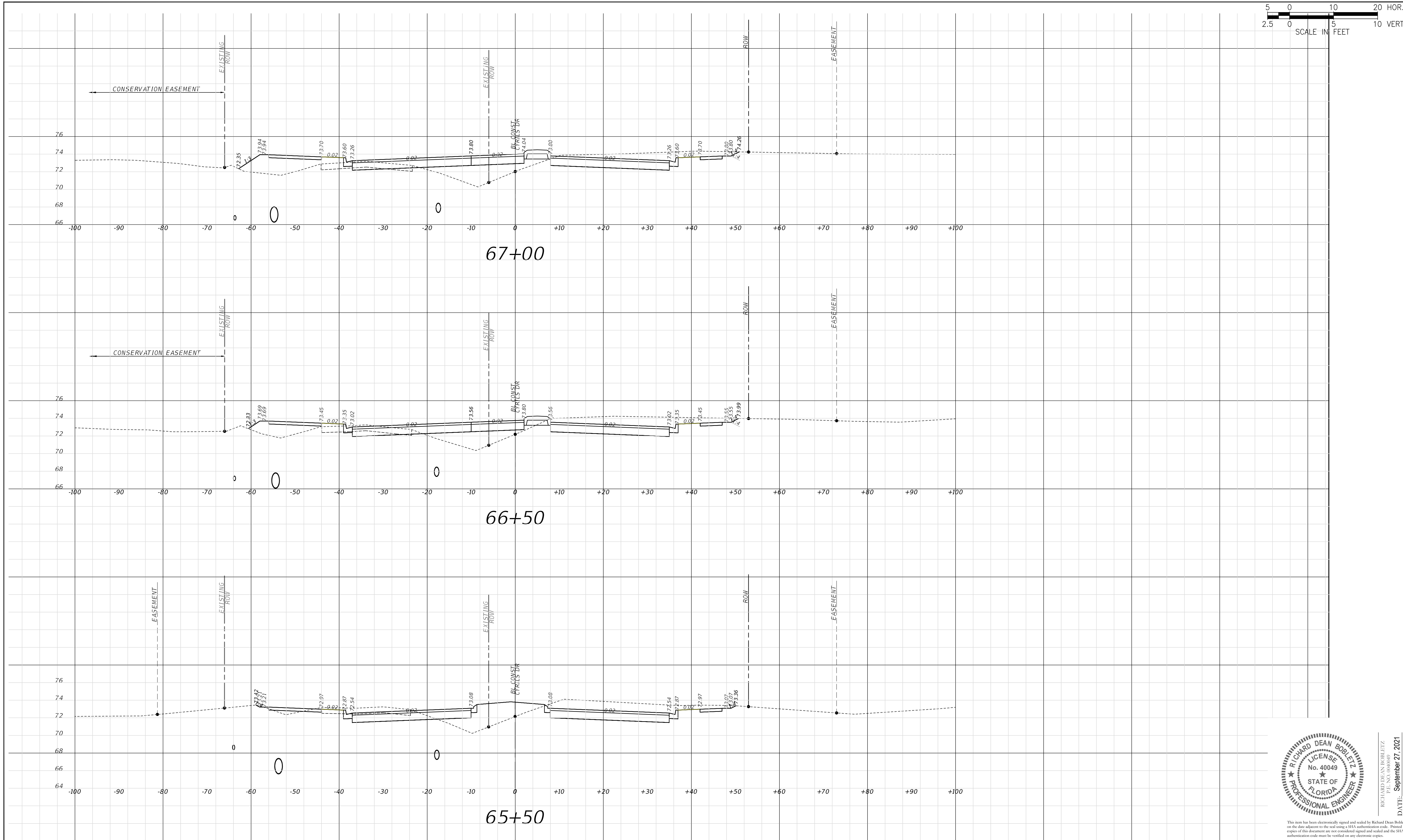
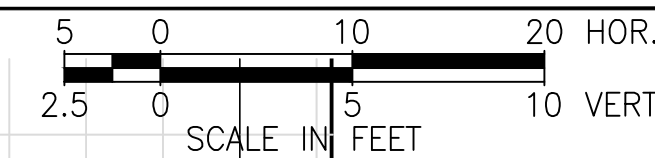
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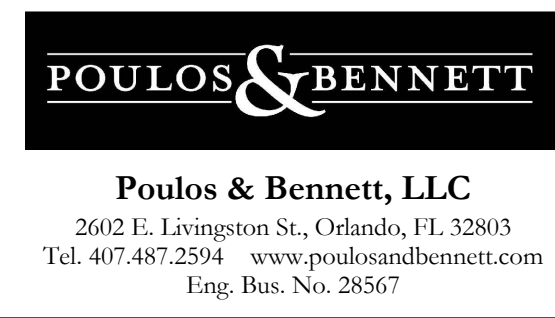
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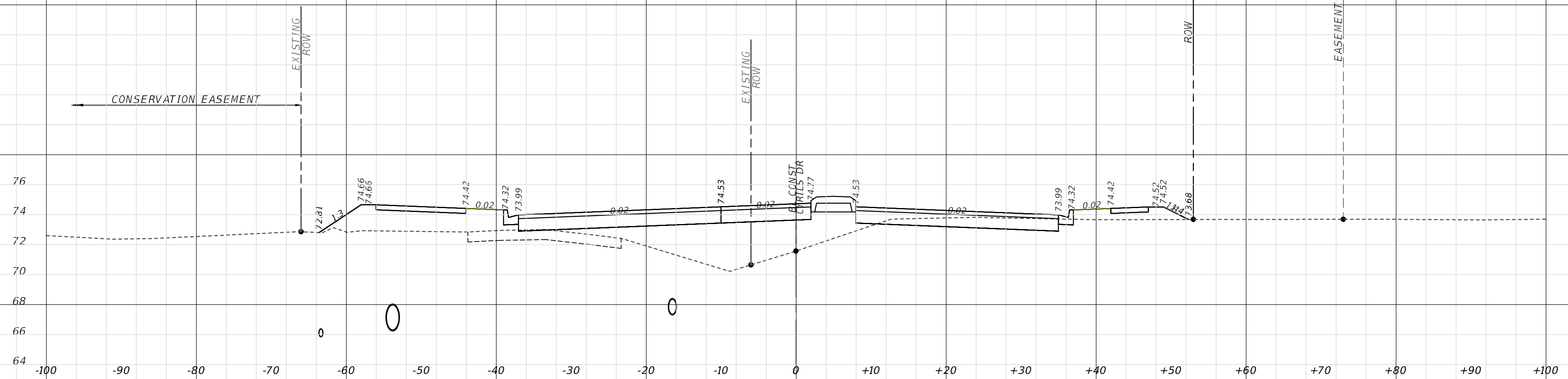
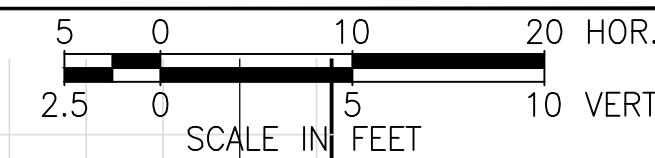
REVISIONS			
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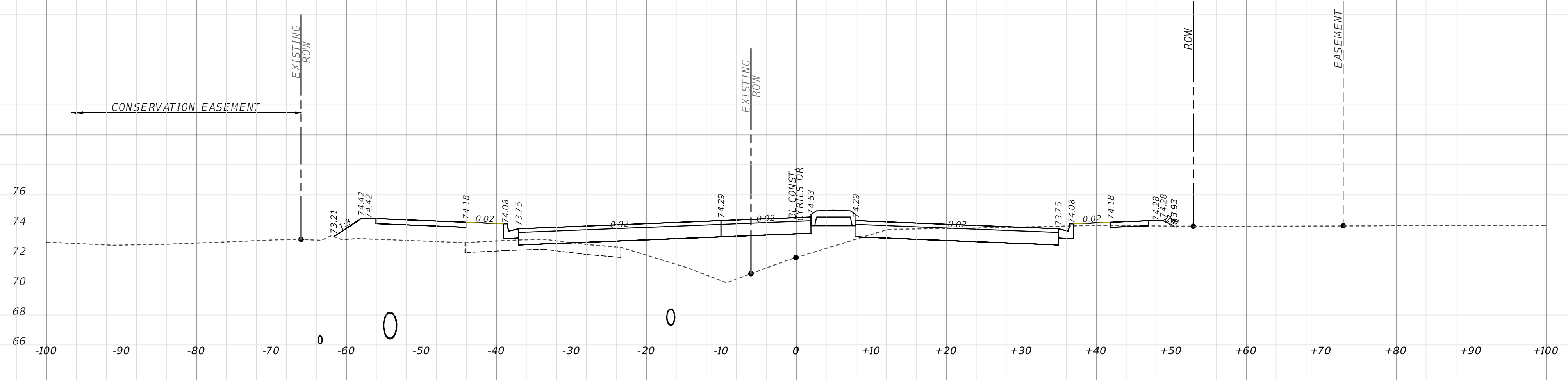
OSCEOLA COUNTY
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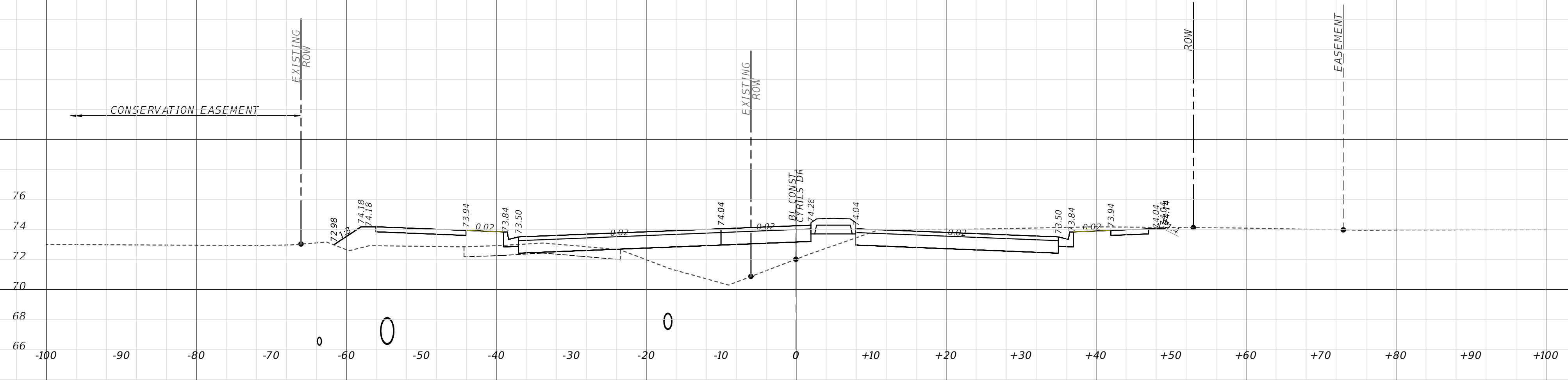
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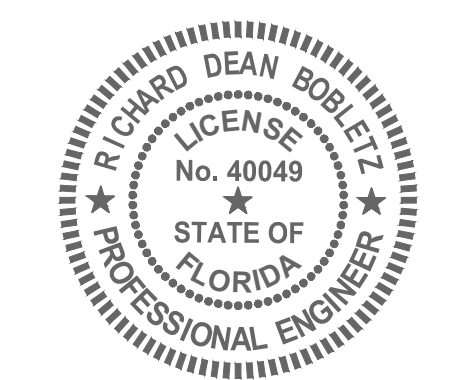
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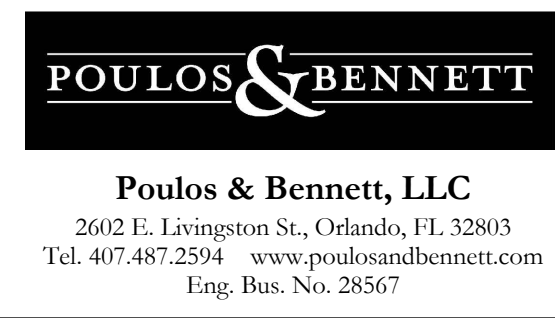
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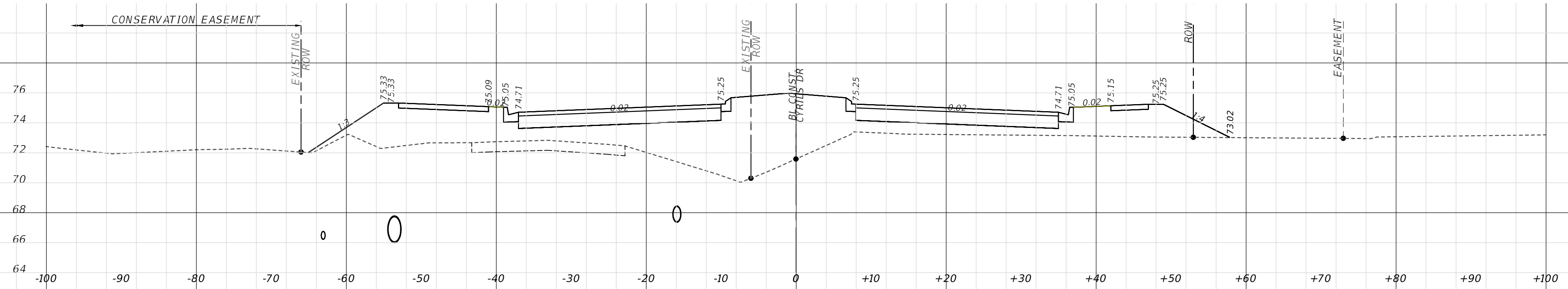
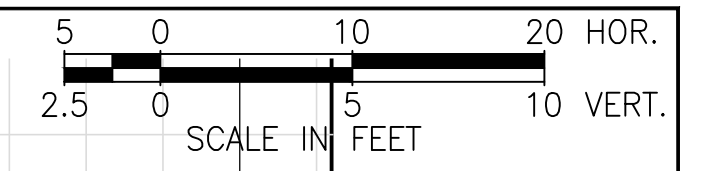
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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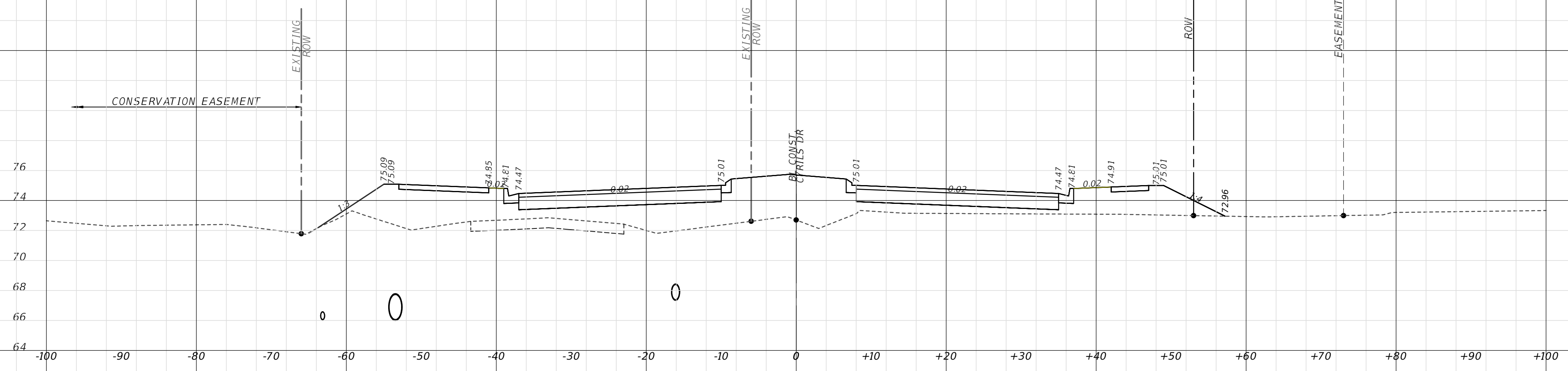
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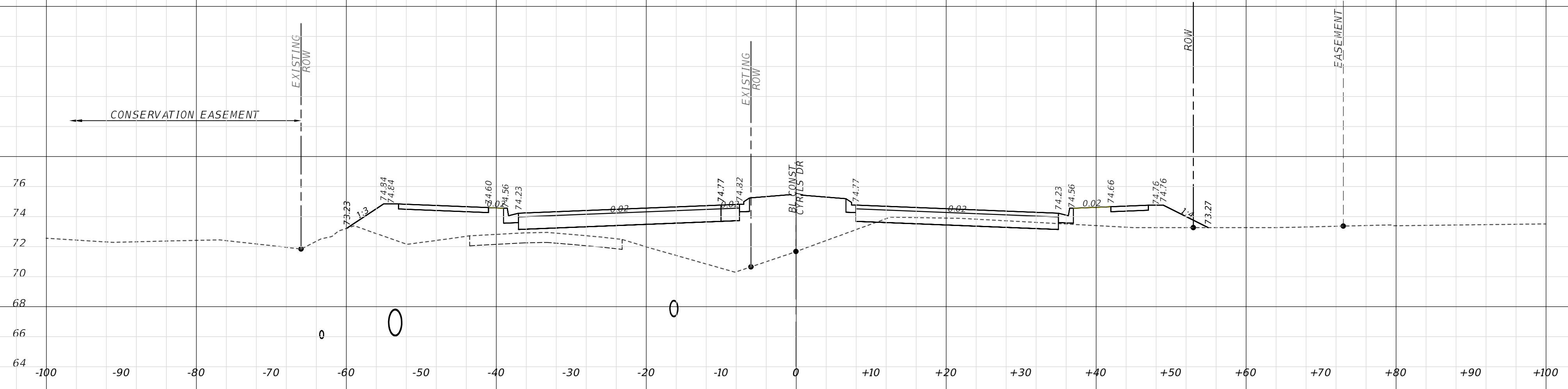
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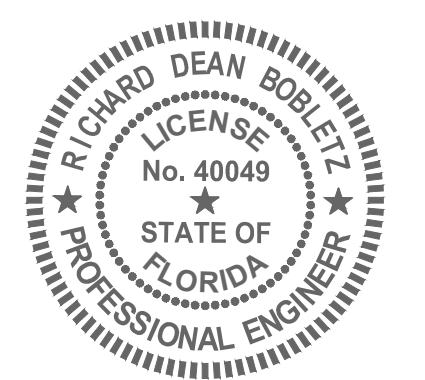
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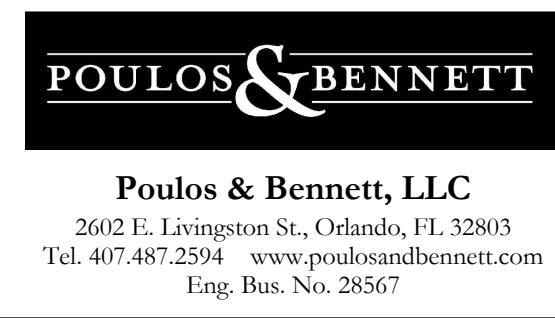
69+00



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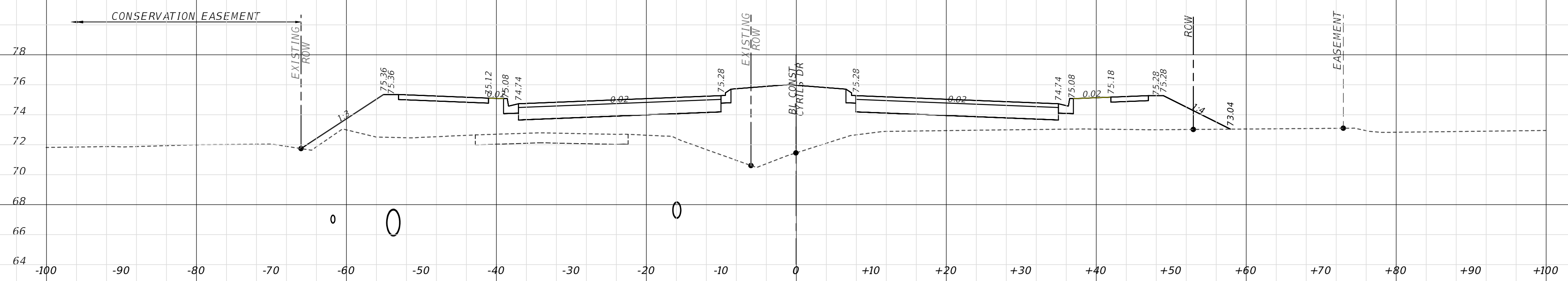
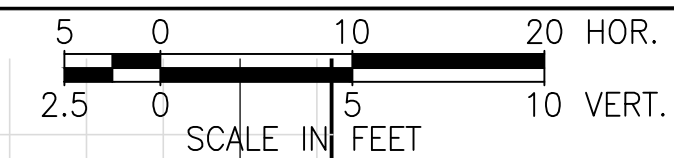
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

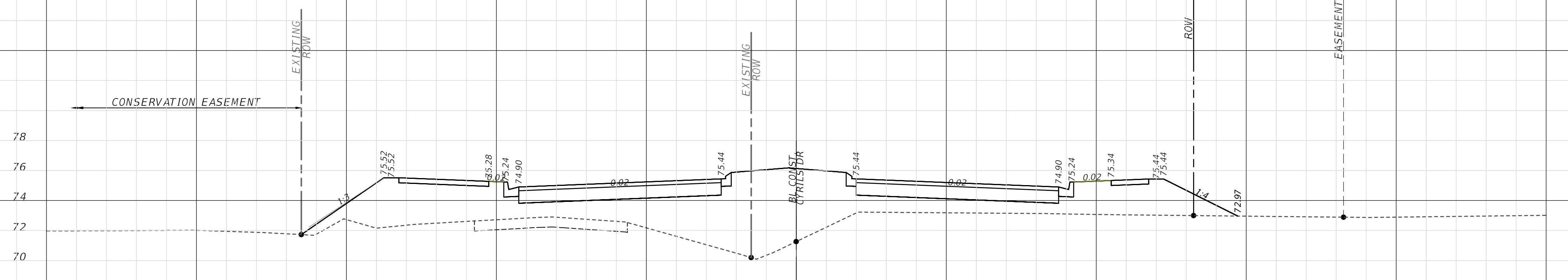
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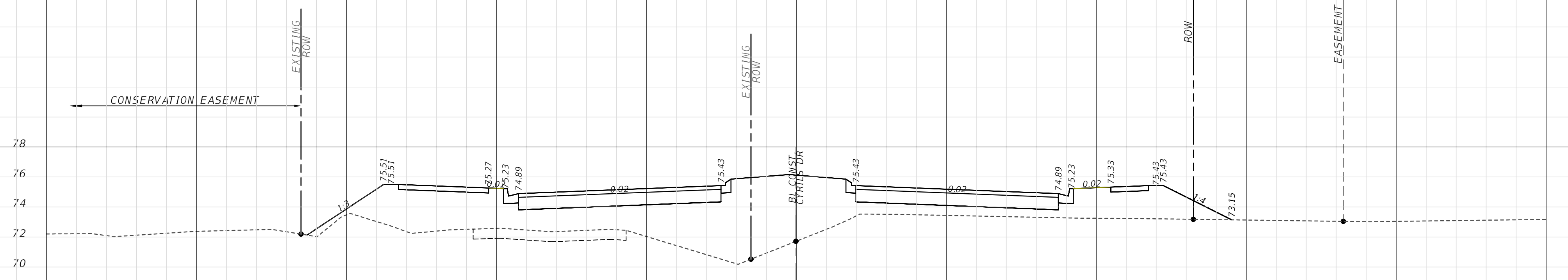
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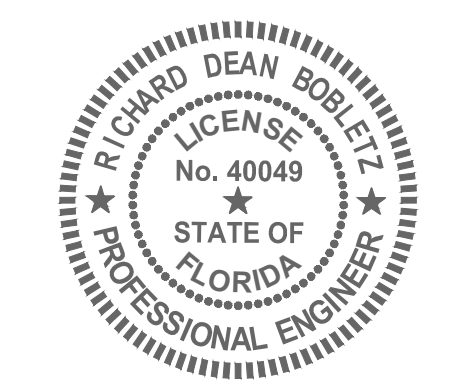
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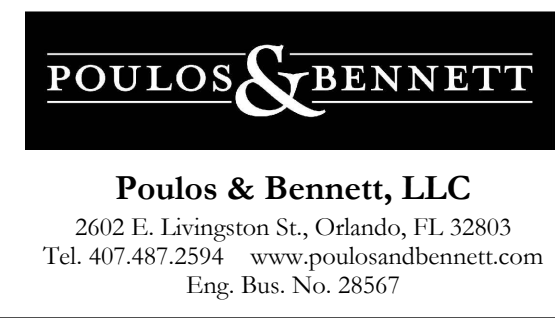
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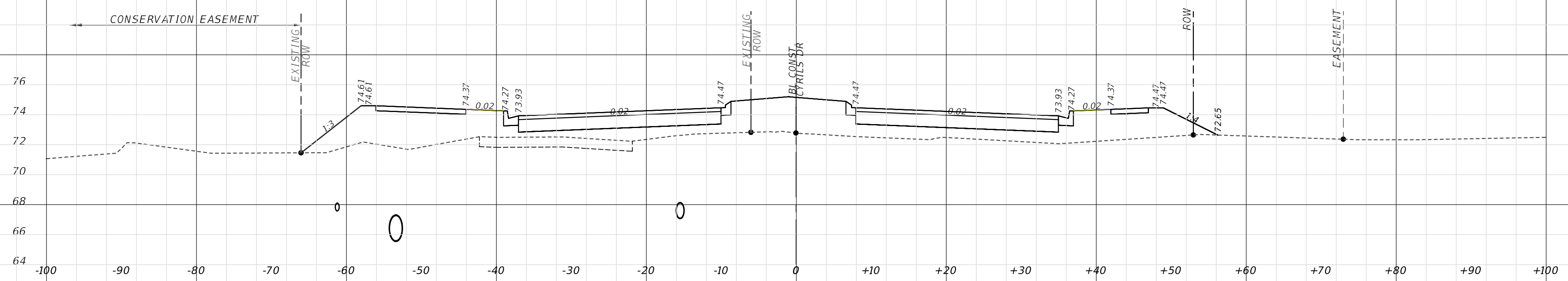
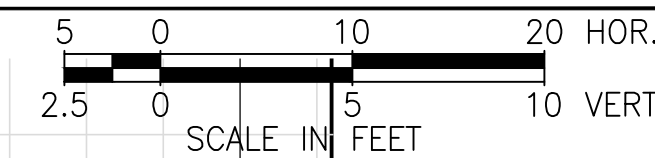
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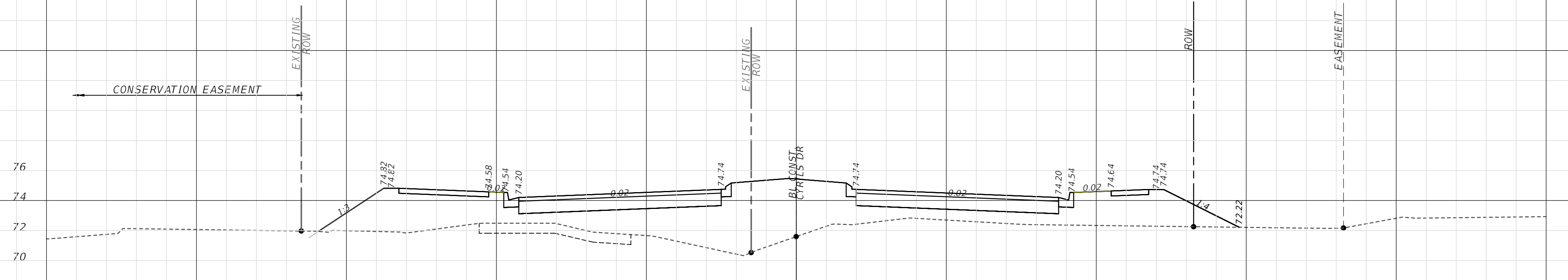
OSCEOLA COUNTY
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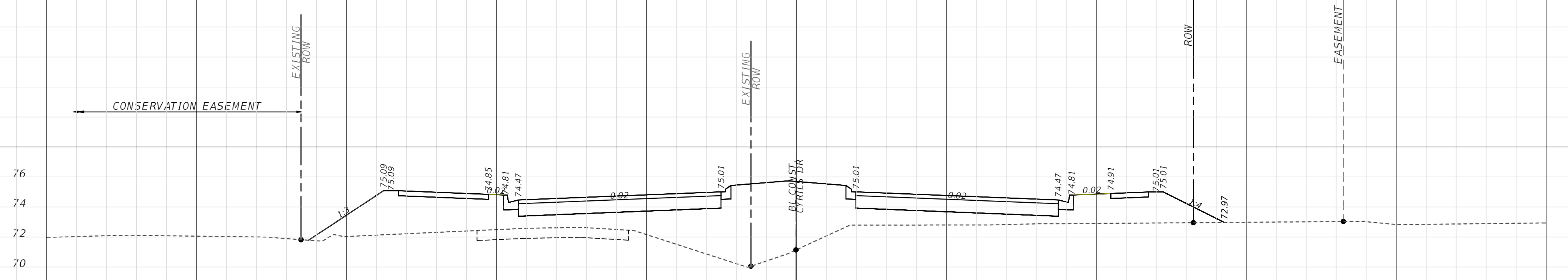
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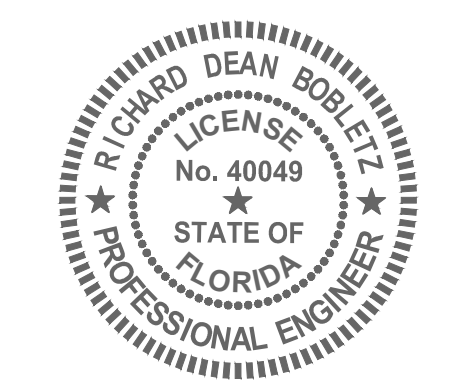
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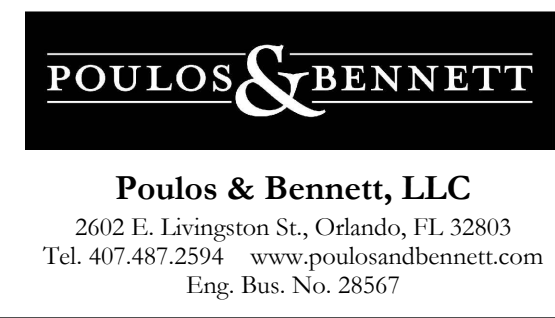
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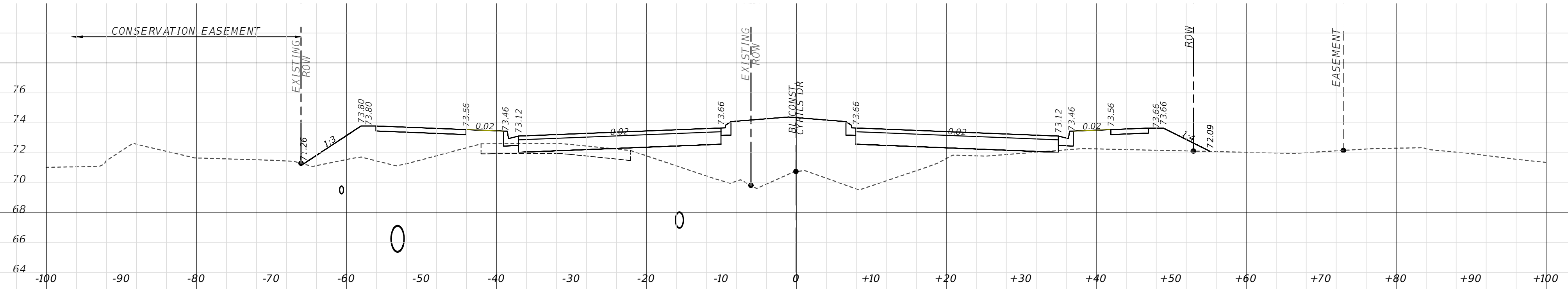
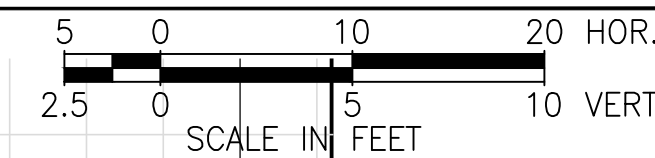
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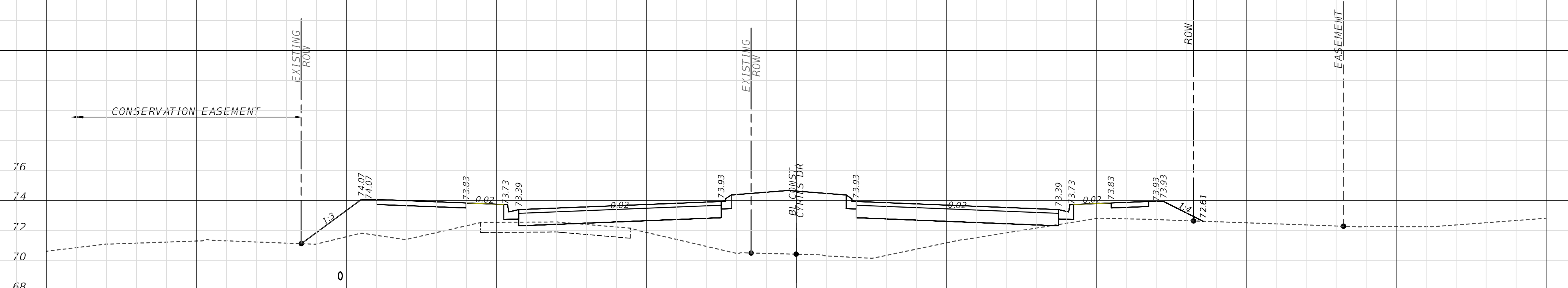
OSCEOLA COUNTY
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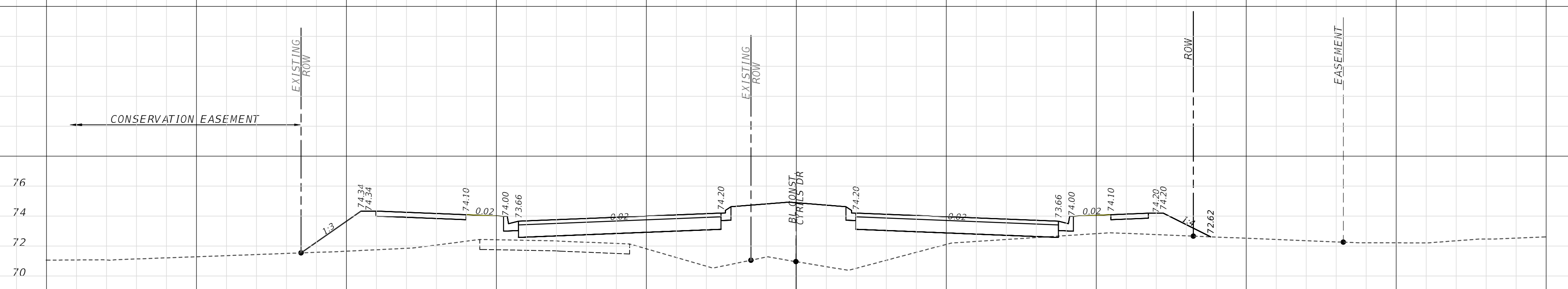
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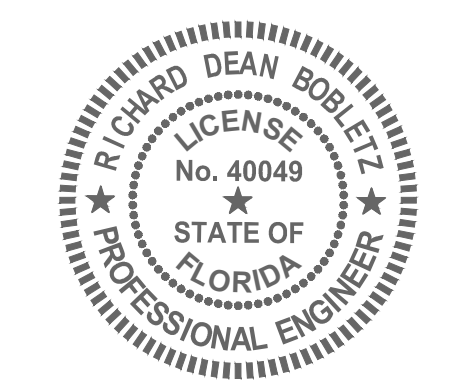
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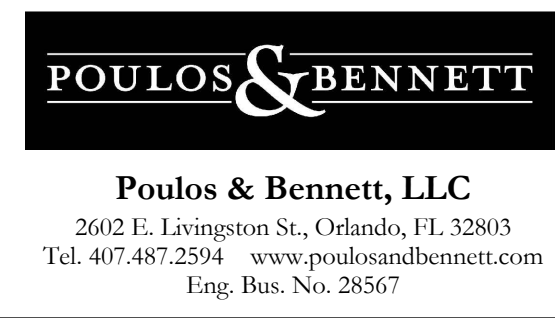
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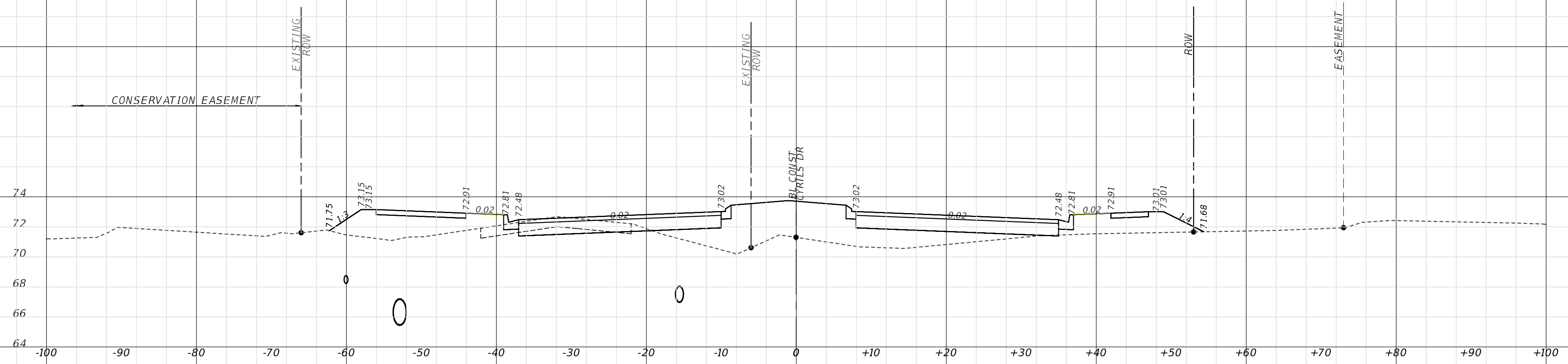
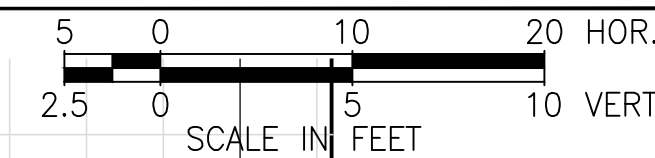
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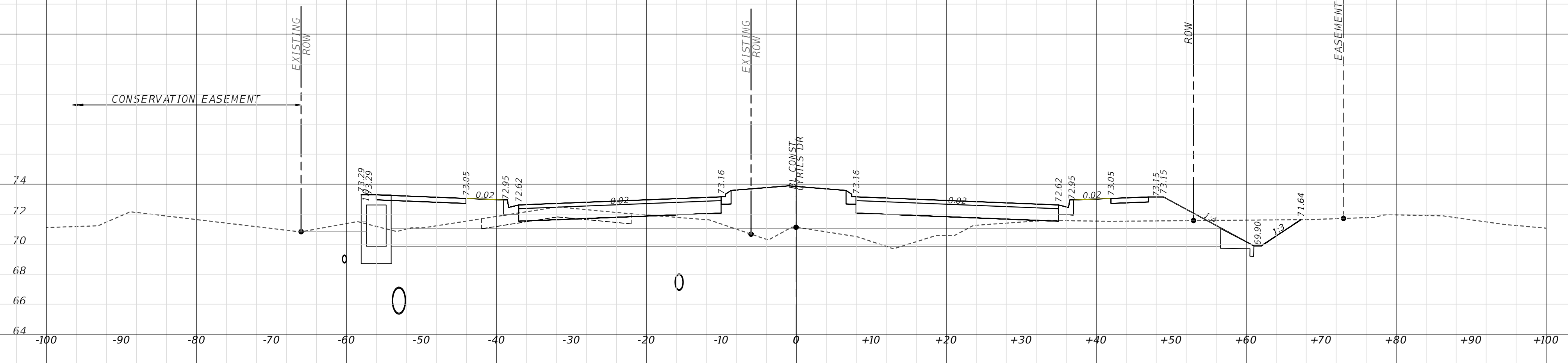
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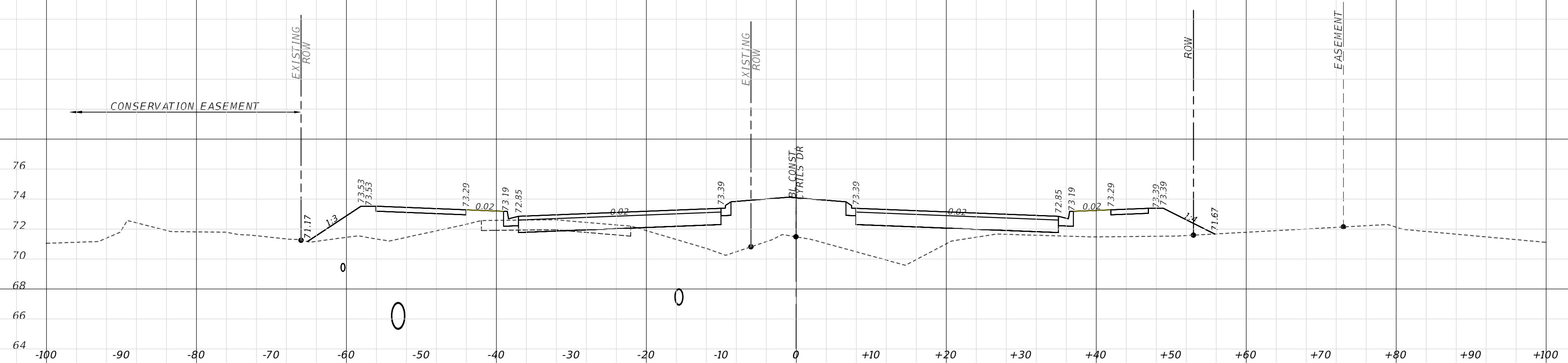
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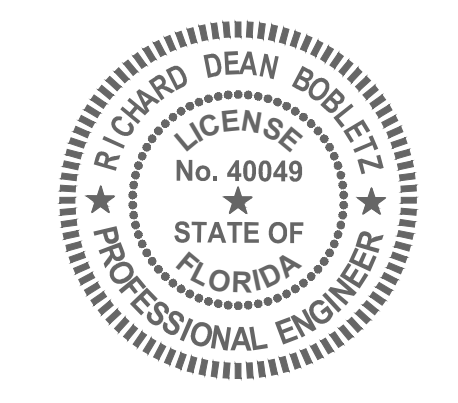
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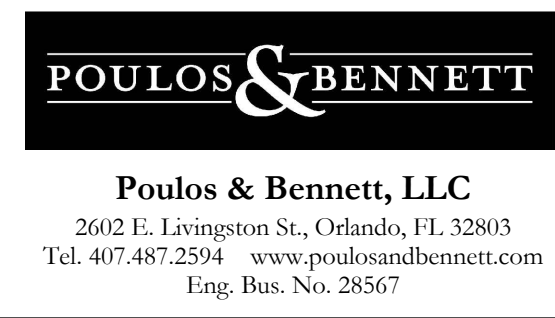
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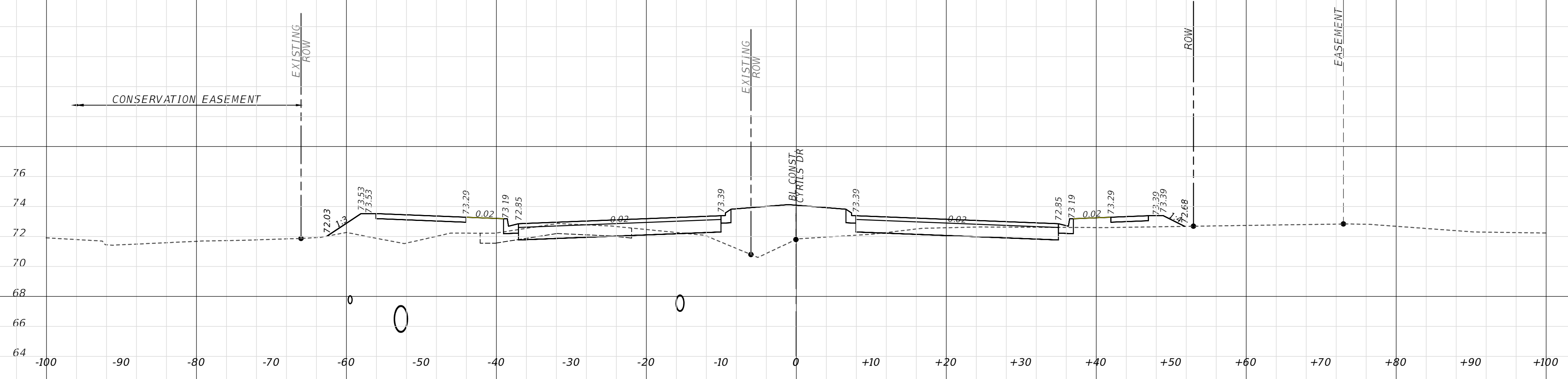
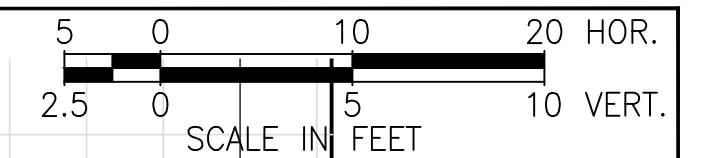
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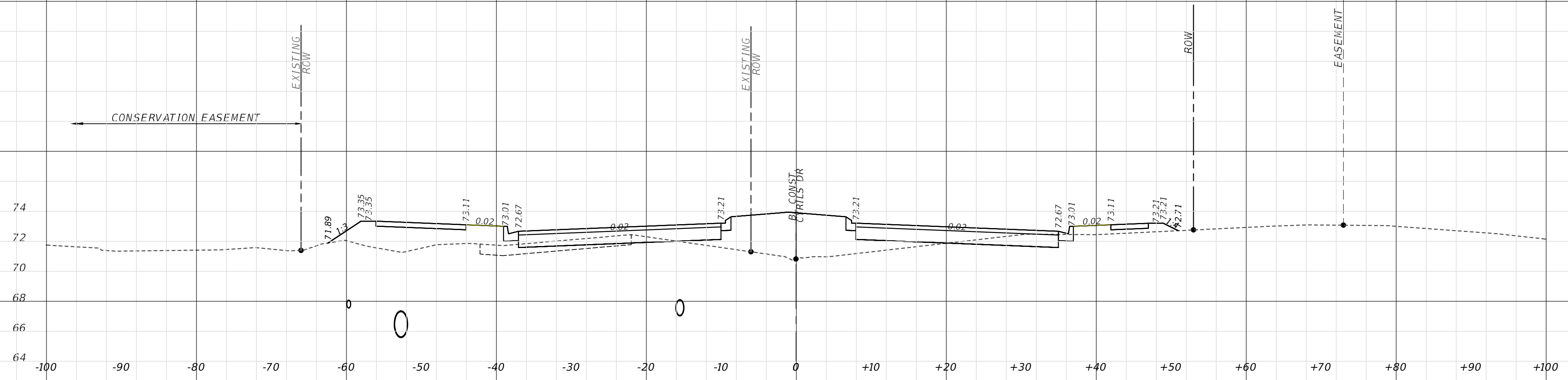
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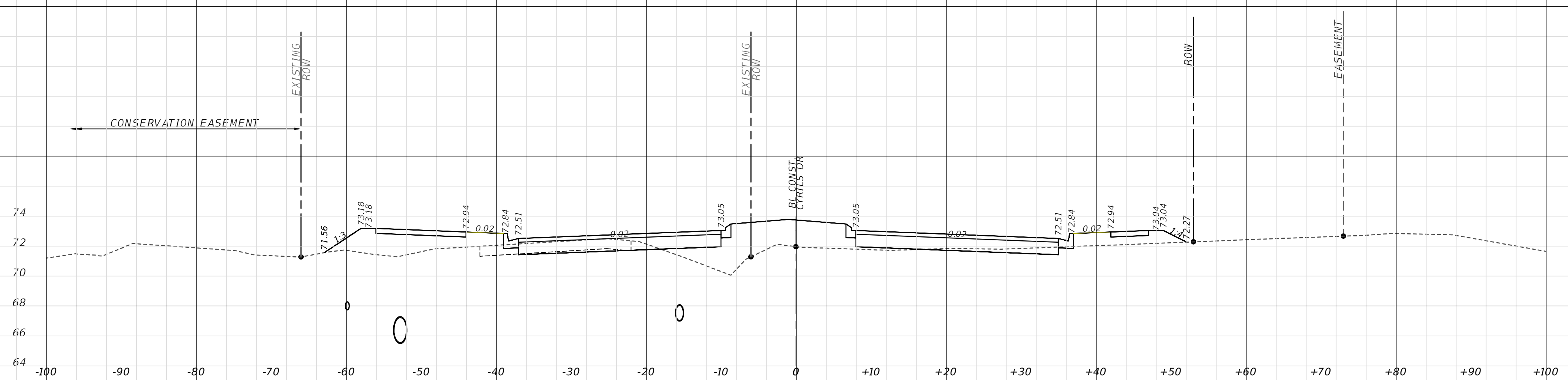
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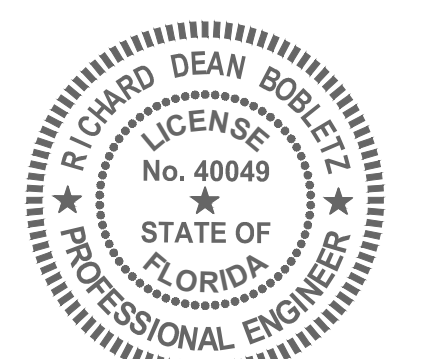
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77+00



76+50



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POULOS & BENNETT
 Poulos & Bennett, LLC
 2602 E. Livingston St., Orlando, FL 32803
 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

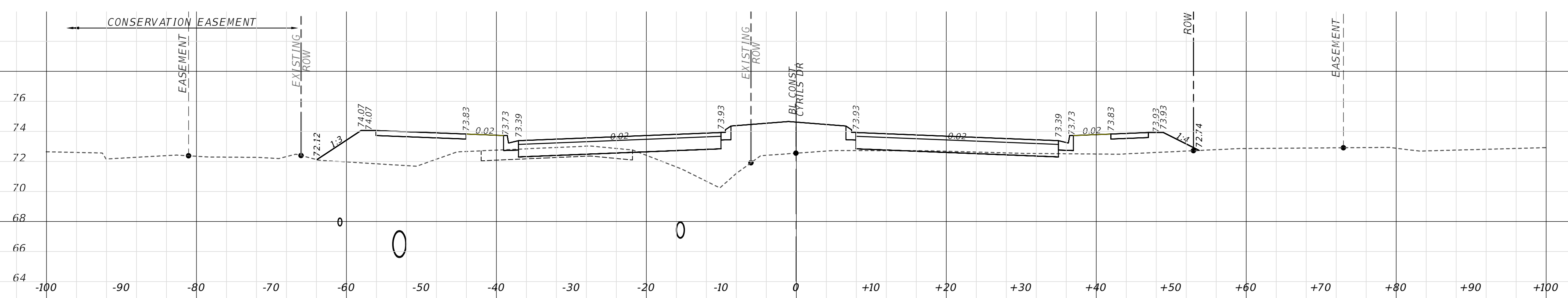
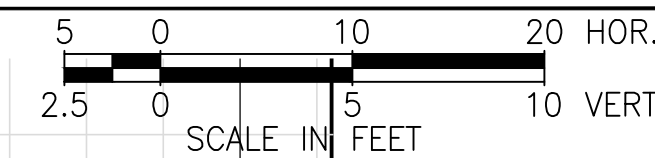
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

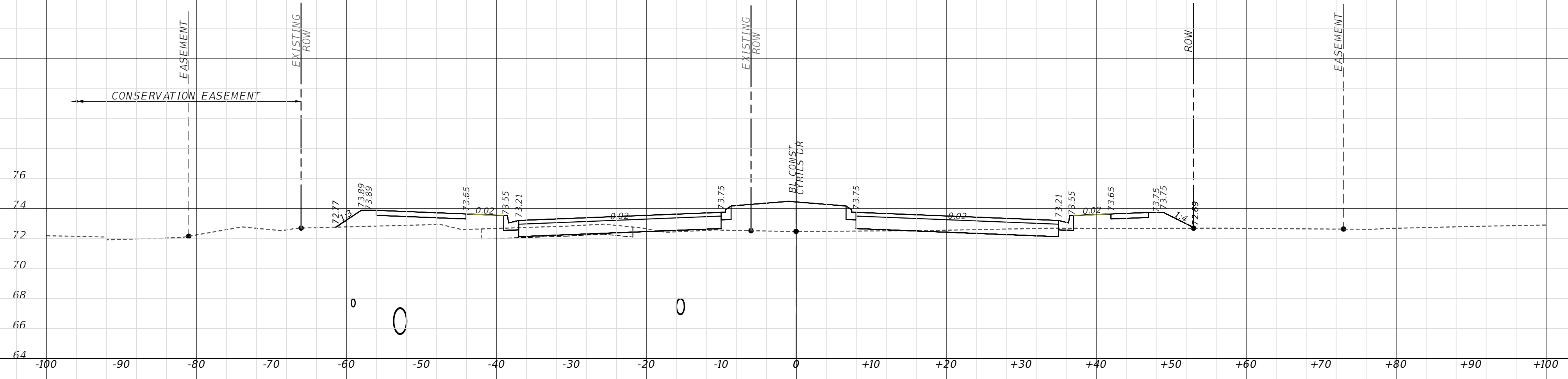
CROSS SECTIONS

SHEET NO.

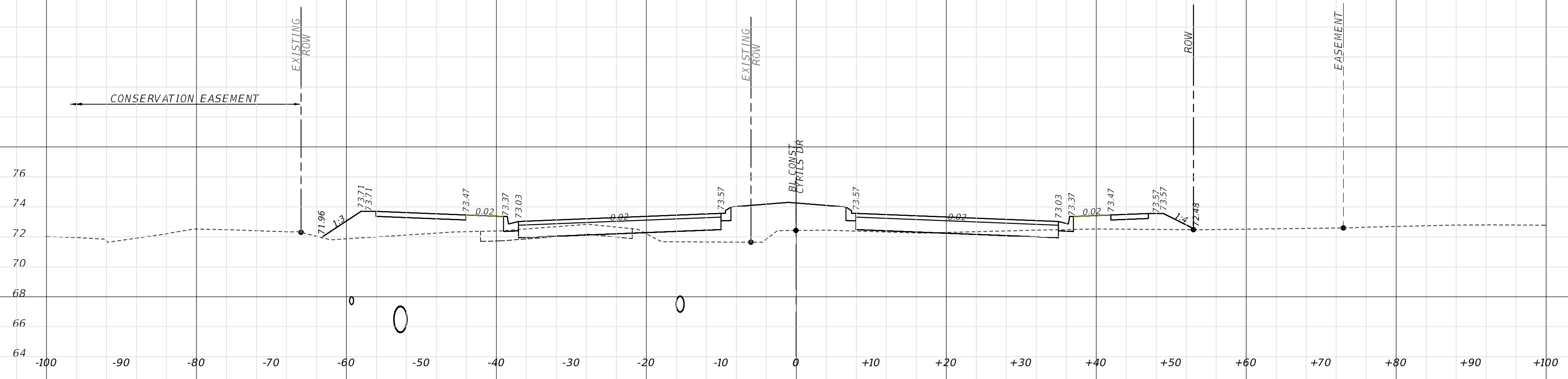
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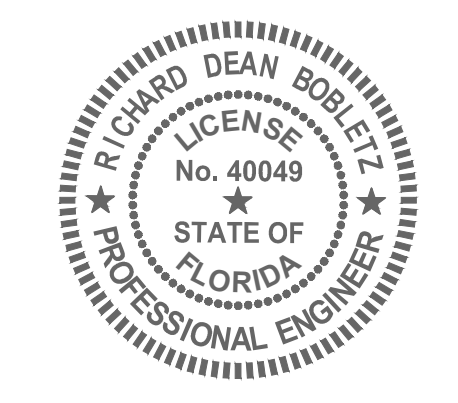
79+00



78+50



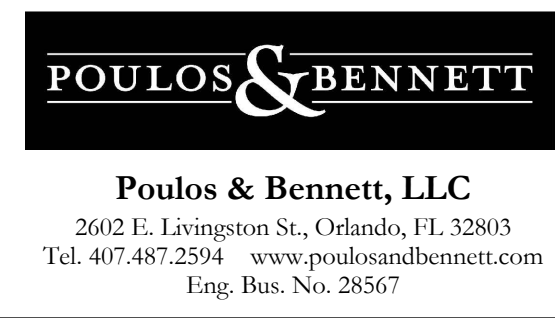
78+00



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P.E. NO. 004049
DATE: September 27, 2021

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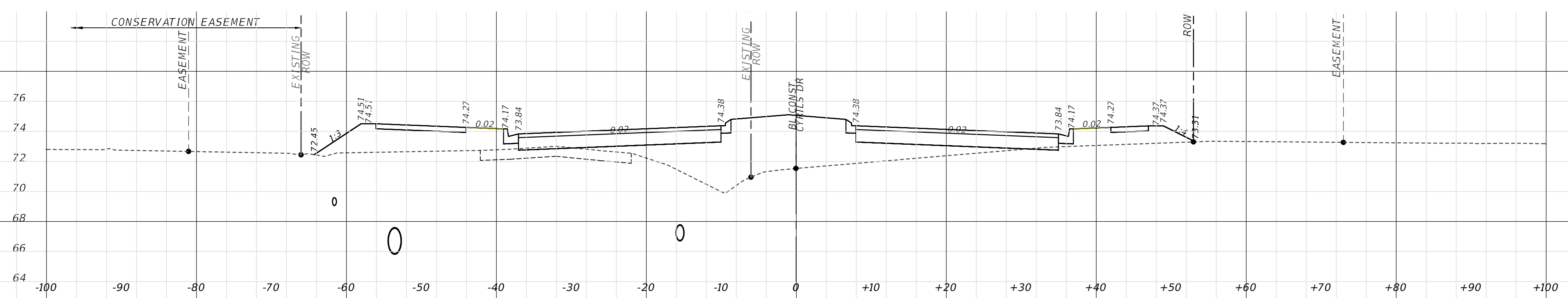
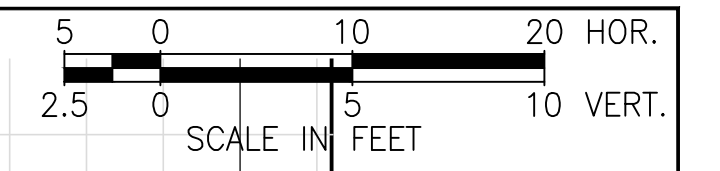
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

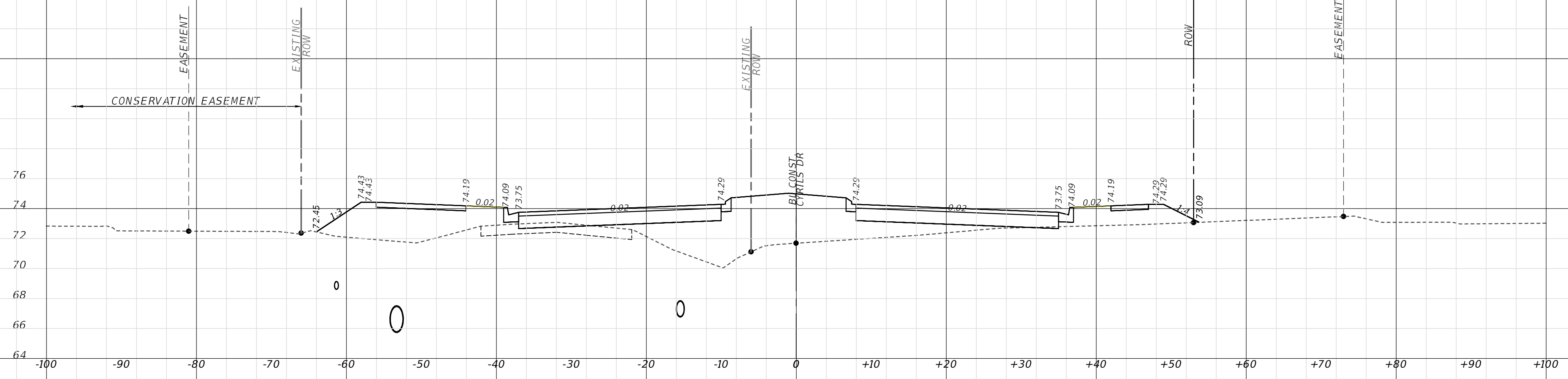
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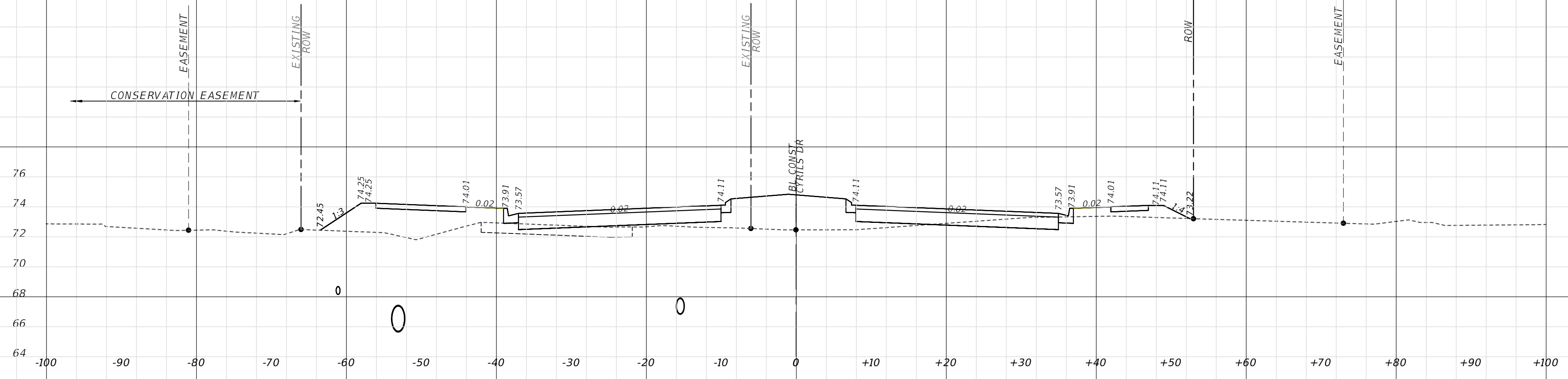
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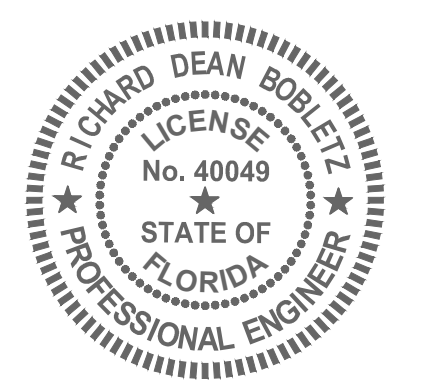
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80+00



79+50



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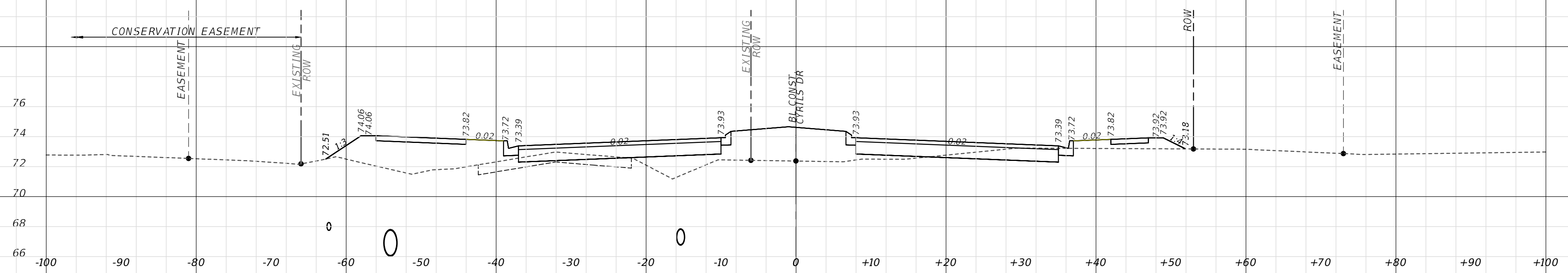
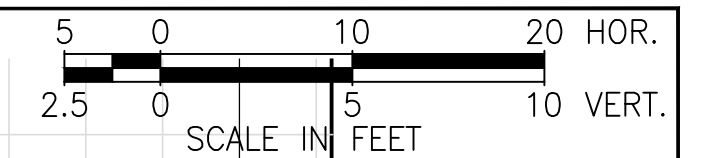
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

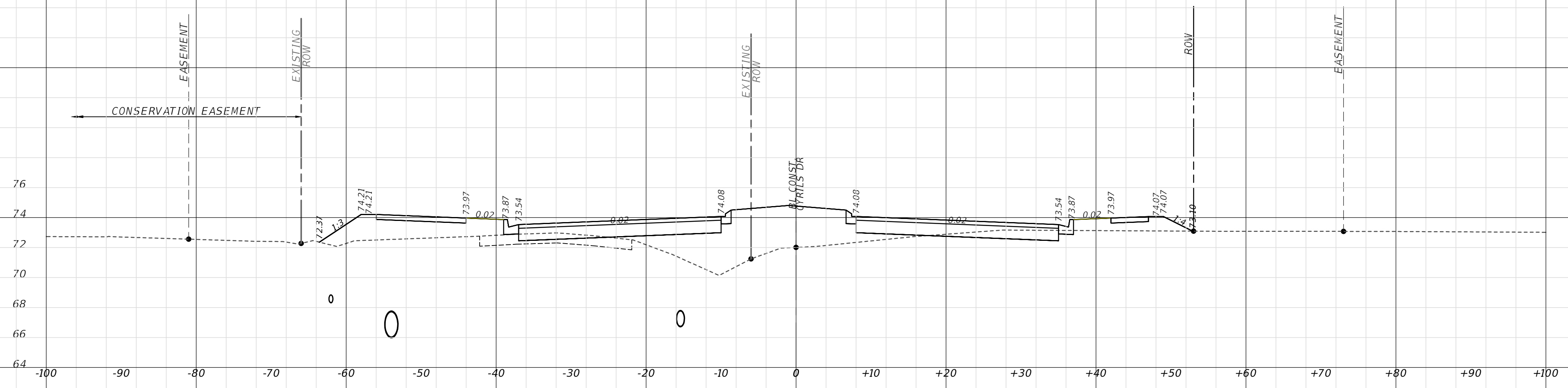
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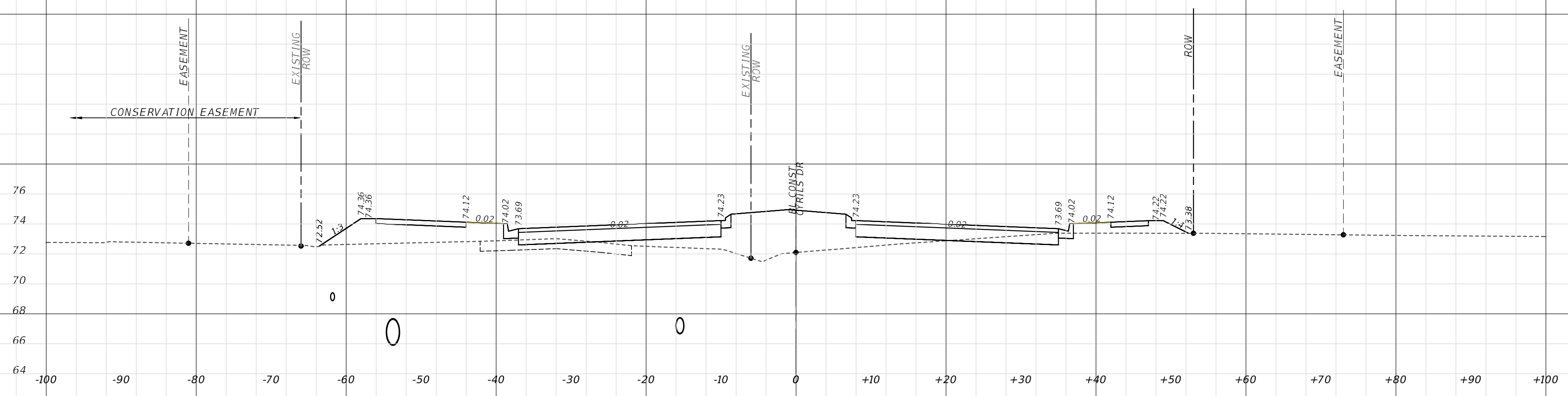
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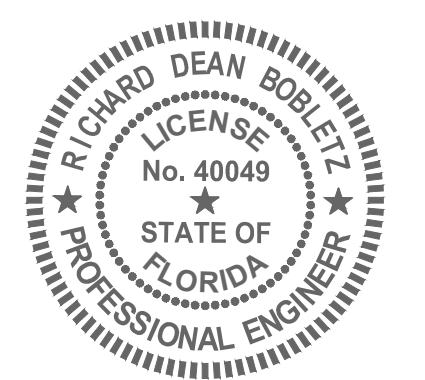
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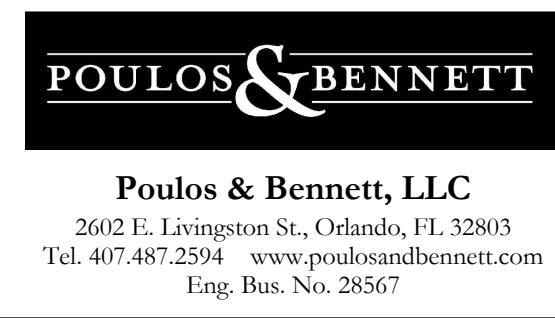
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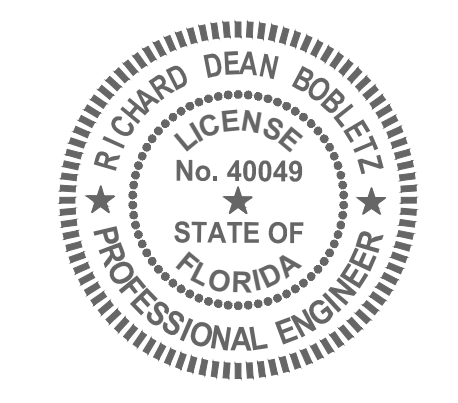
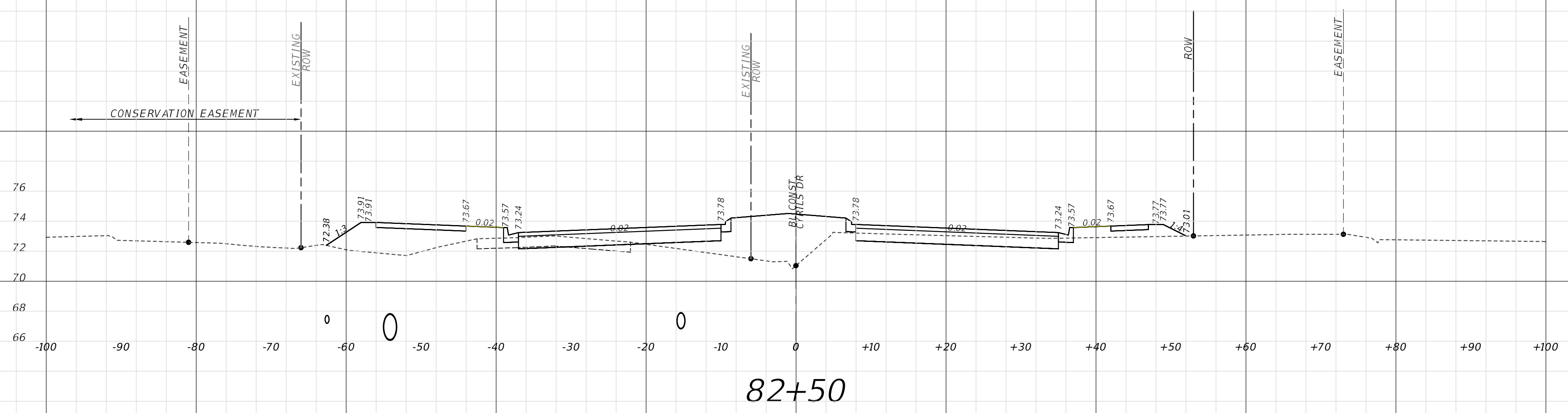
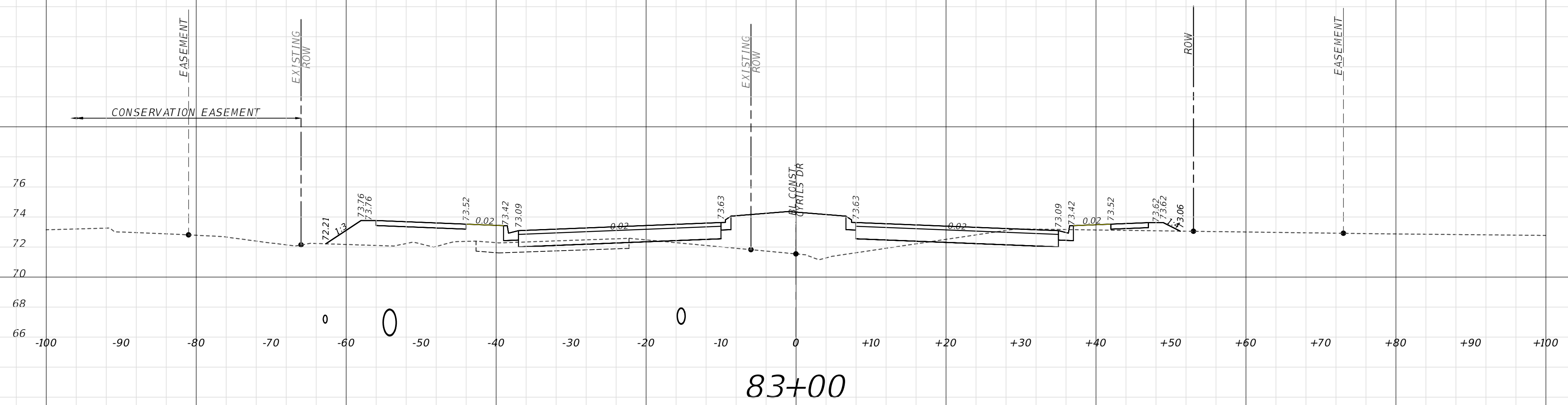
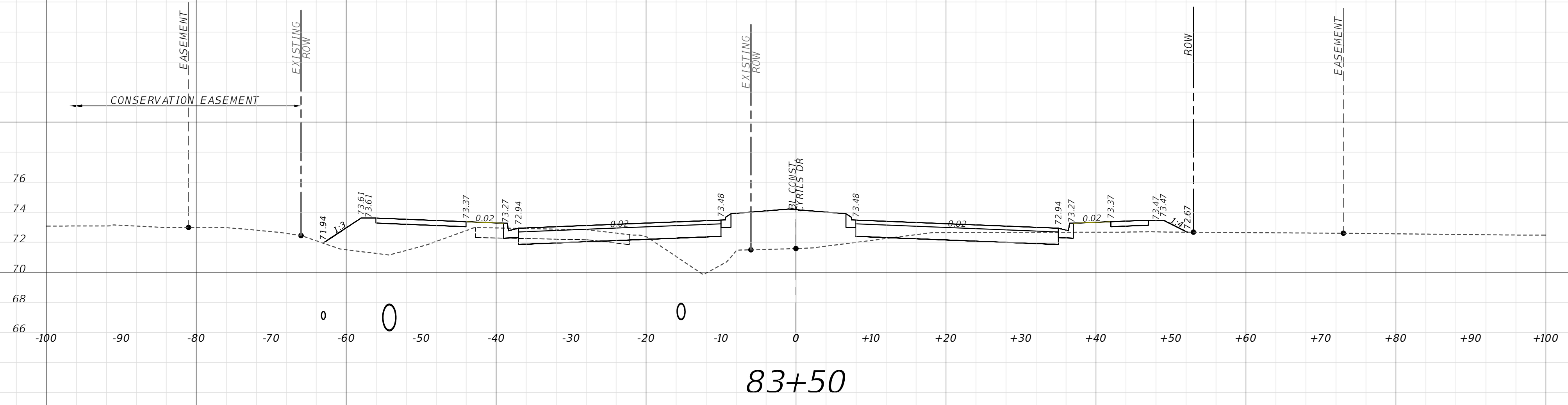
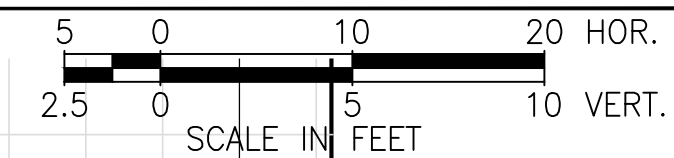
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET NO.

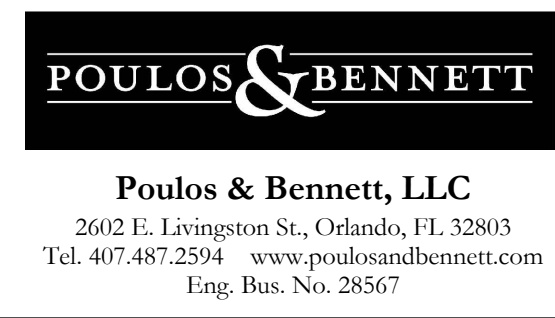
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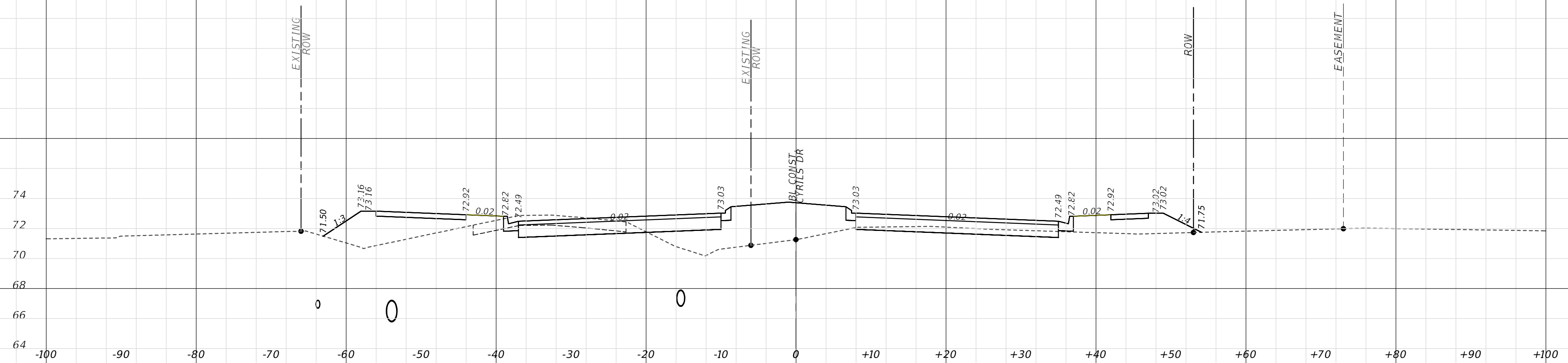
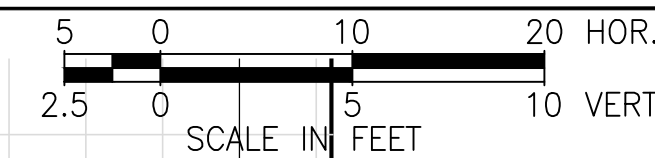
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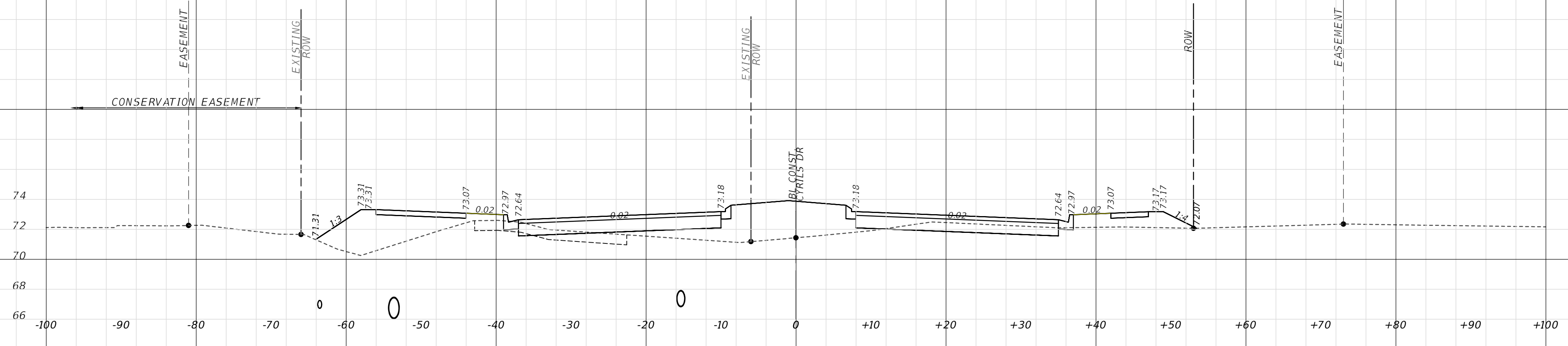
OSCEOLA COUNTY
PROJECT NO. (XXXX)

**CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING**
CROSS SECTIONS

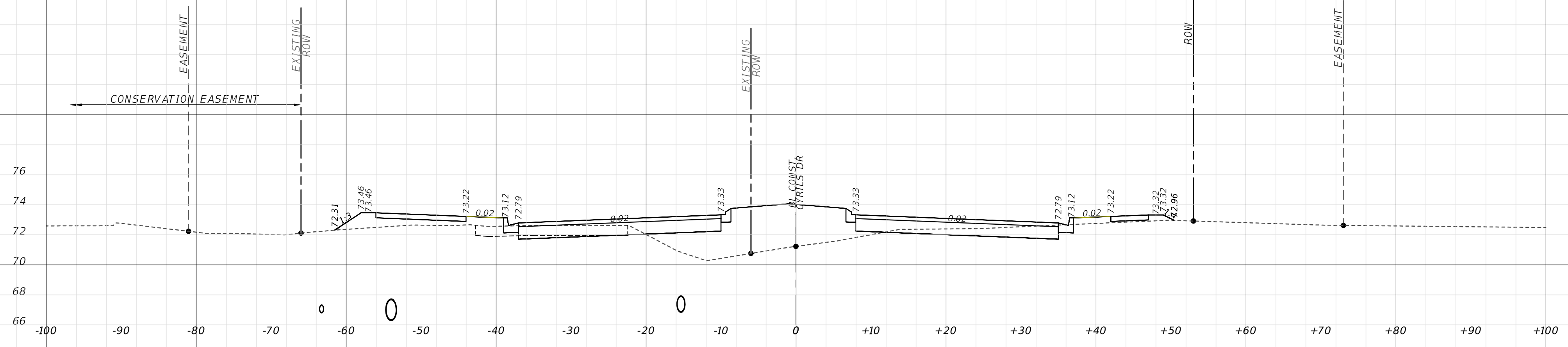
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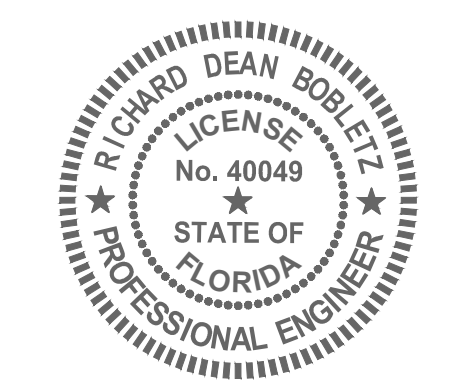
85+00



84+50



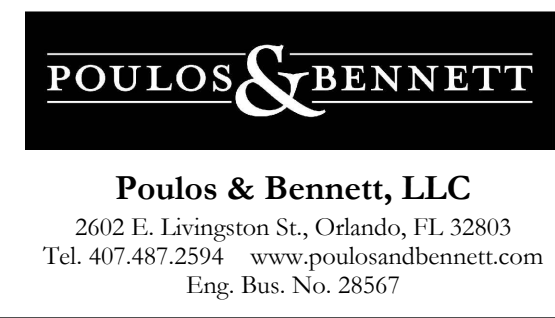
84+00



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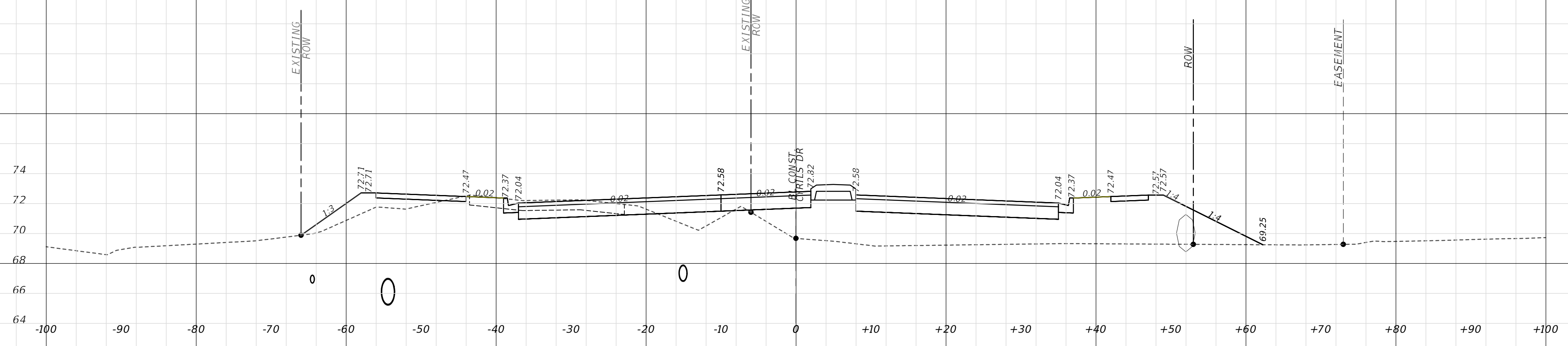
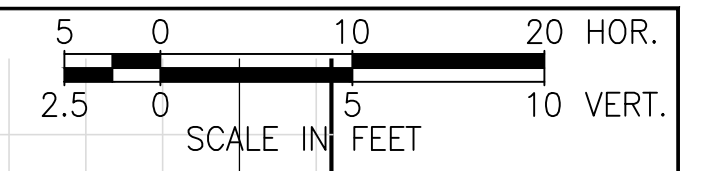
OSCEOLA COUNTY
PROJECT NO. (XXXX)

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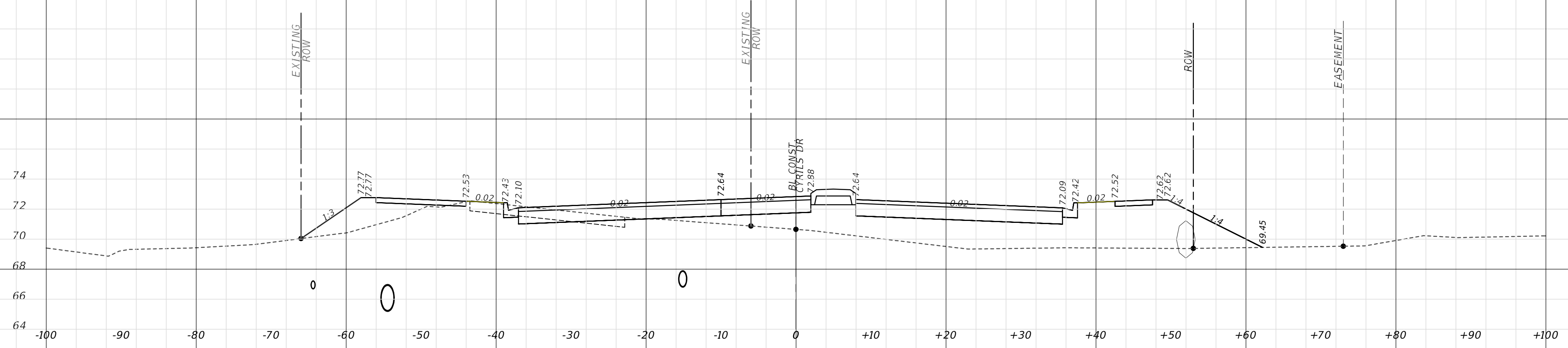
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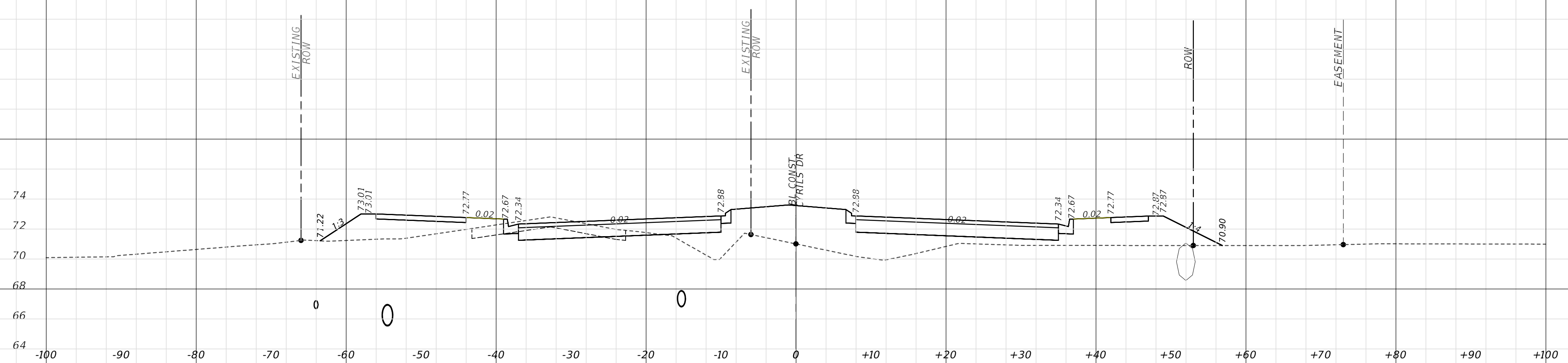
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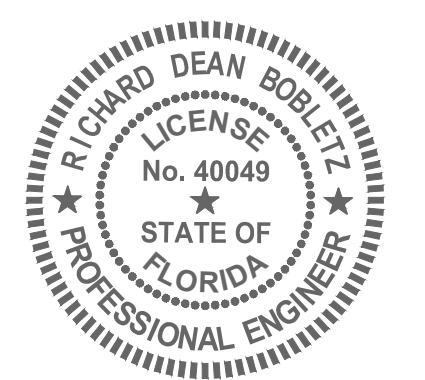
86+50



86+30



85+50



RICHARD DEAN BOBLETZ
 LICENSE
 No. 40049
 STATE OF
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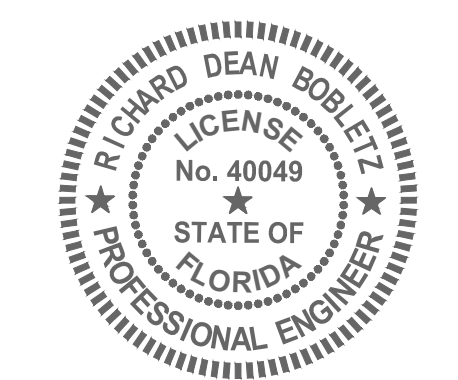
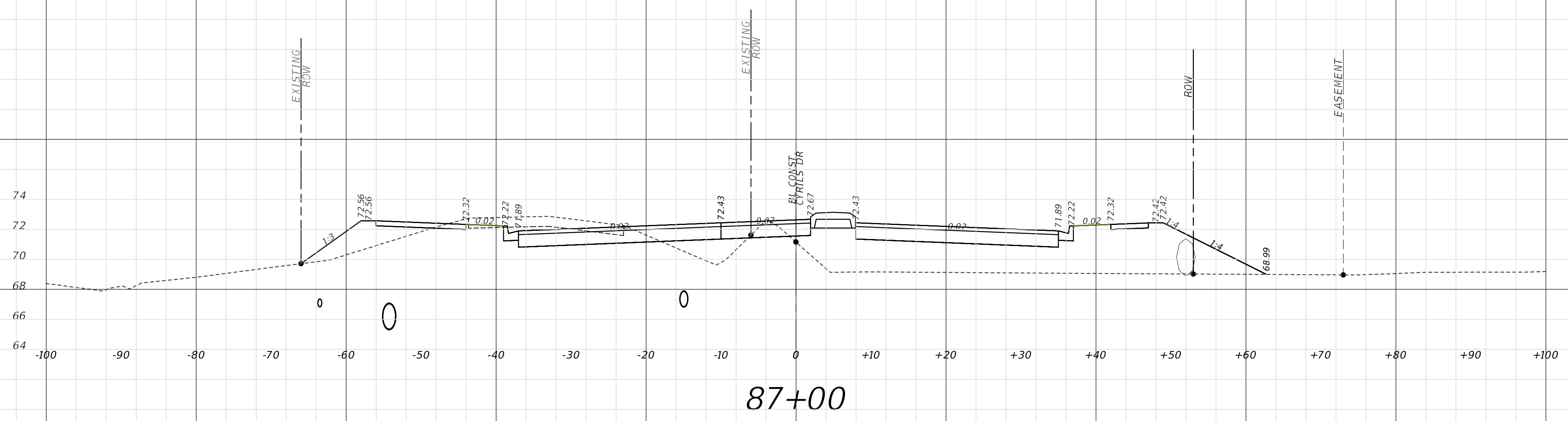
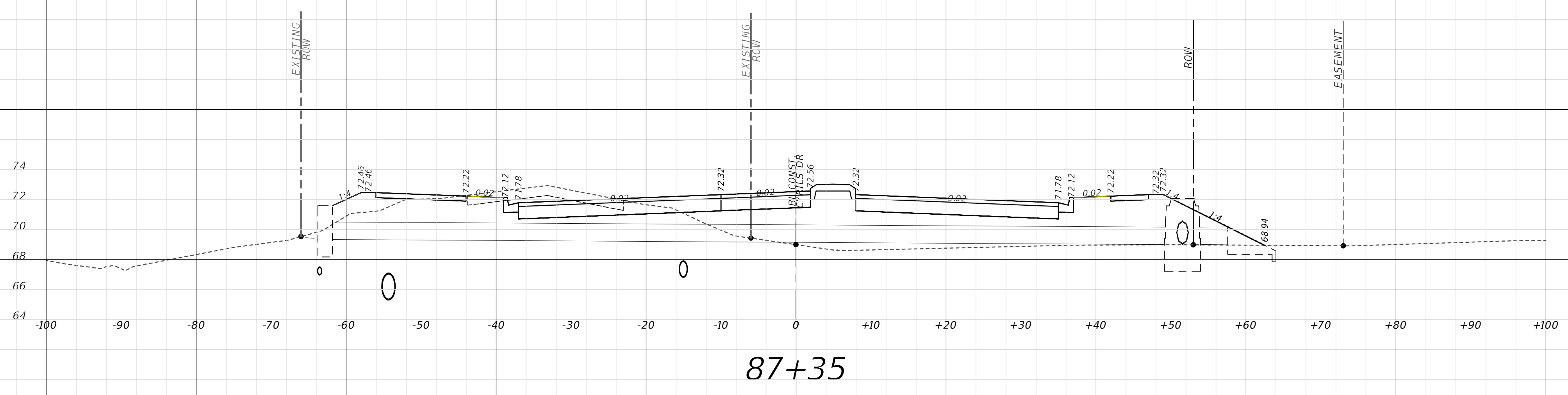
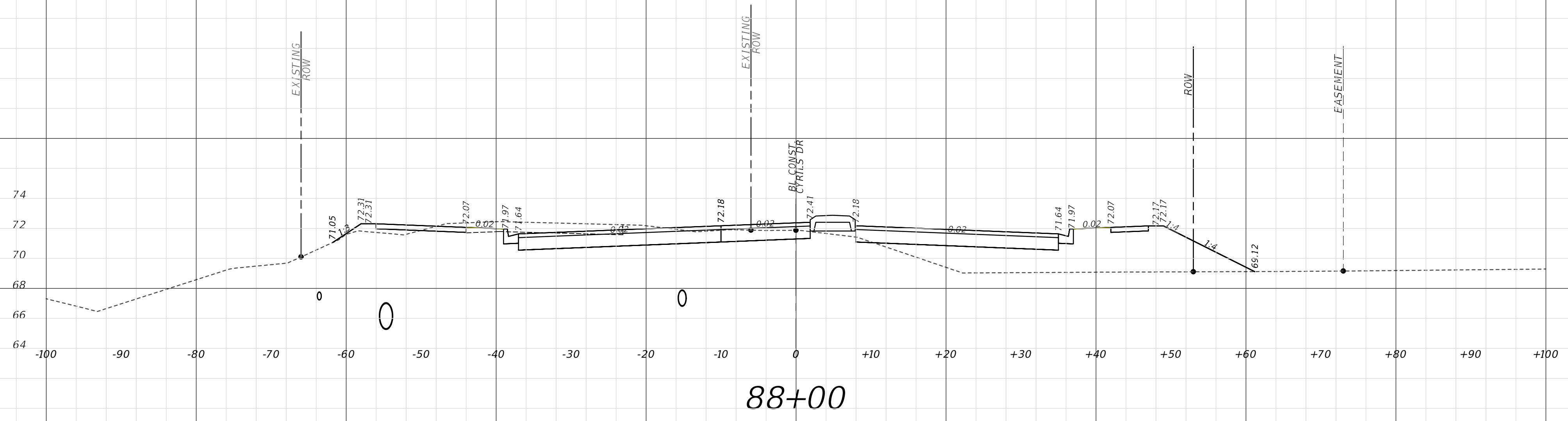
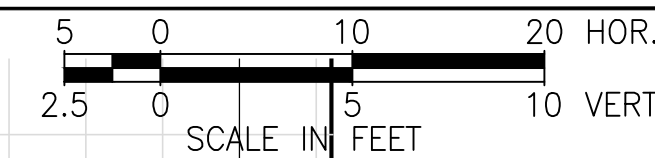
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET NO.

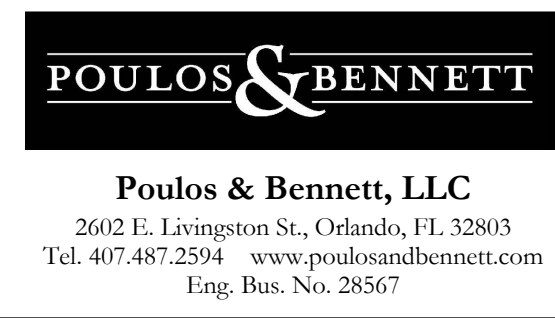
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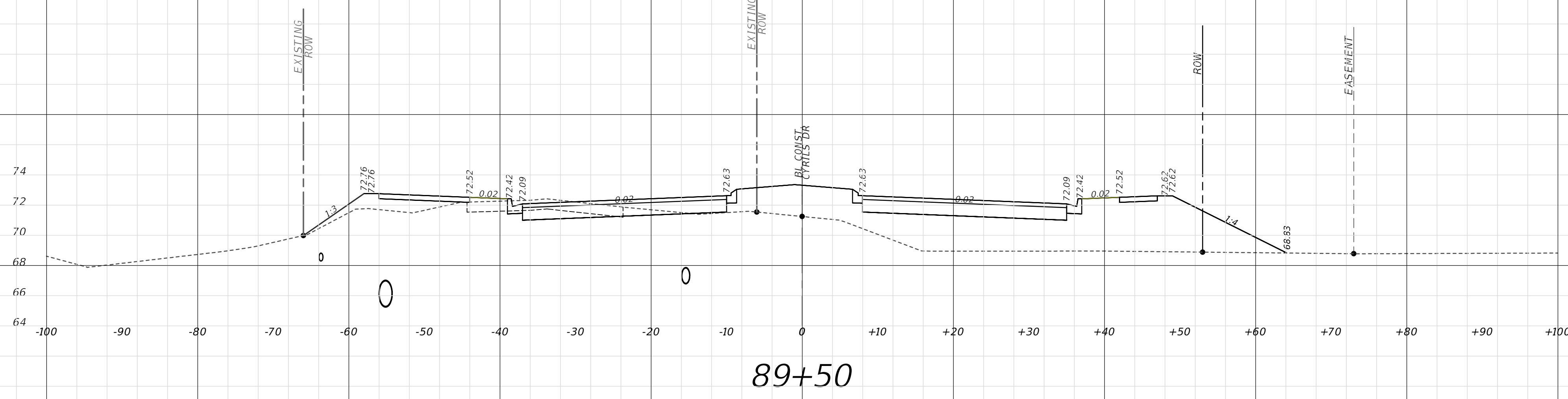
REVISIONS			
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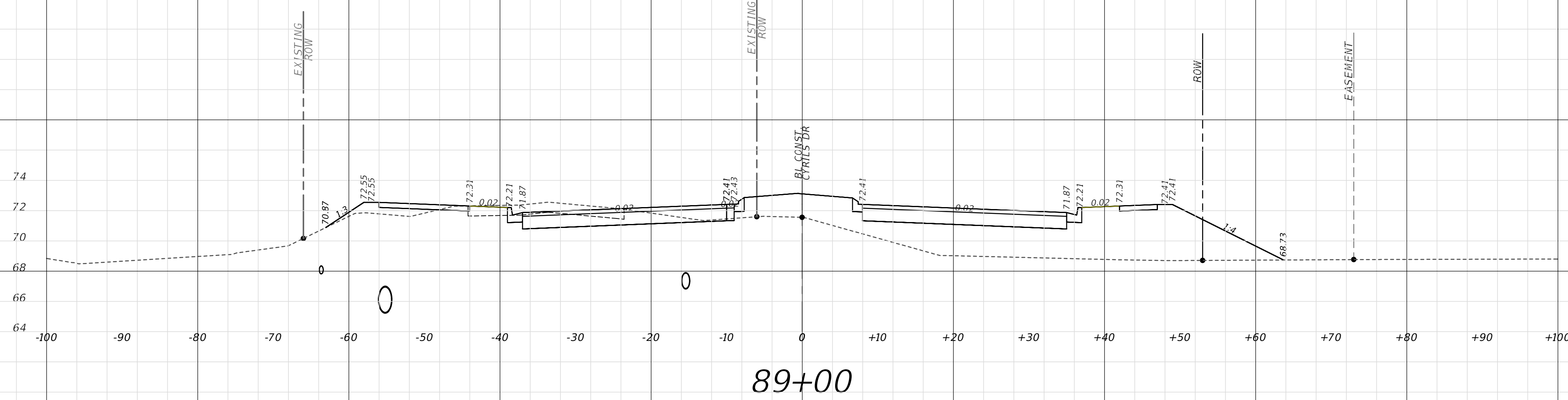
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 CROSS SECTIONS

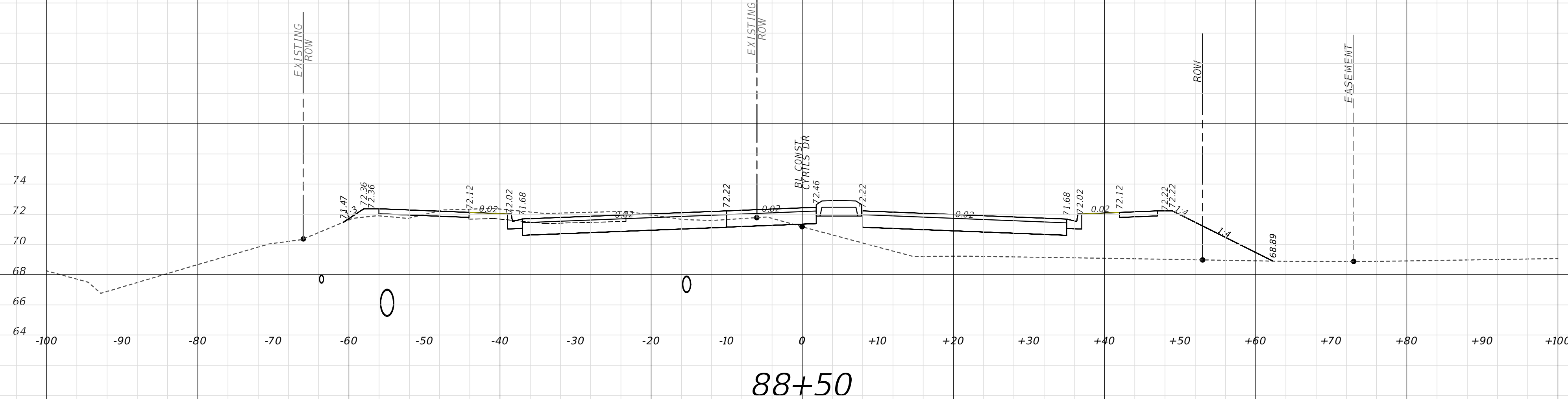
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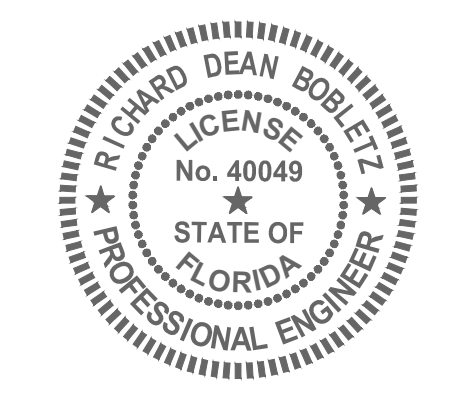
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89+00



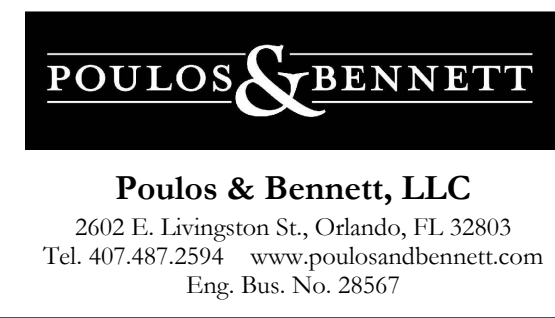
88+50



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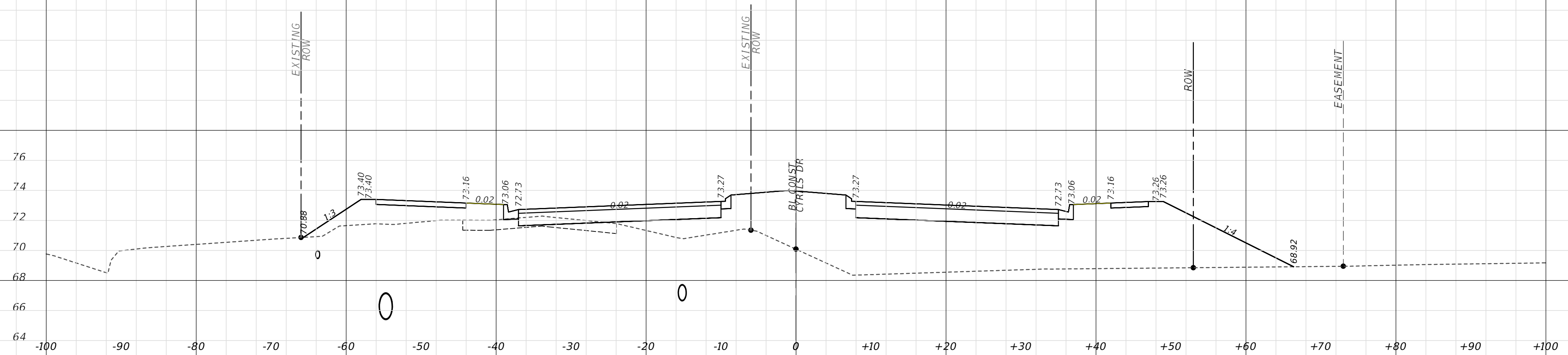
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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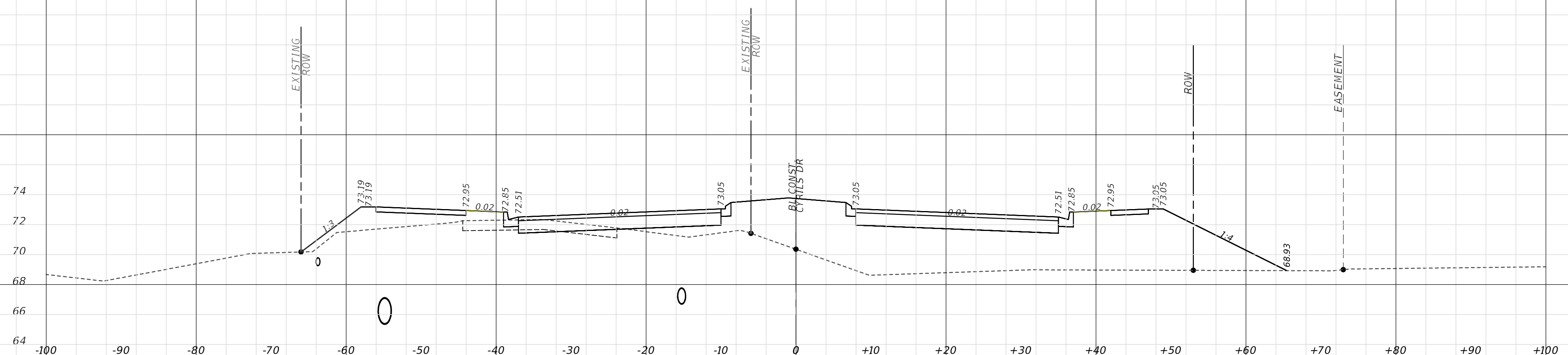
CROSS SECTIONS

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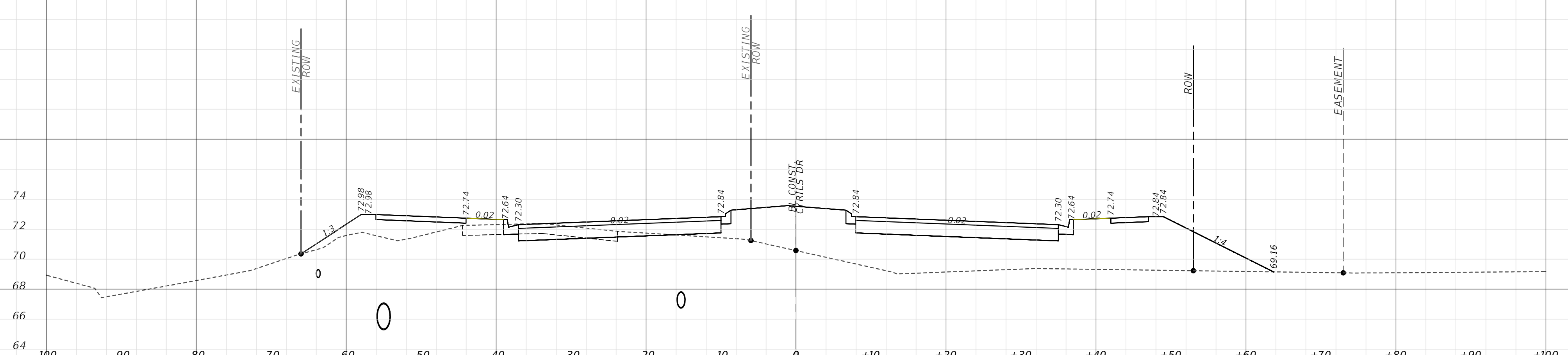
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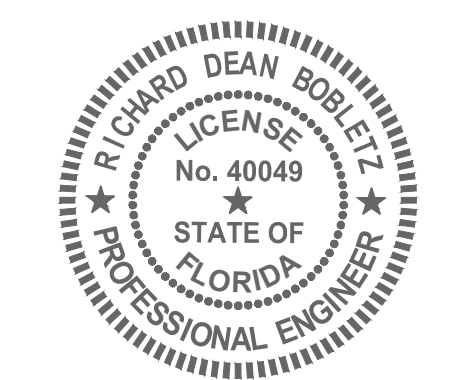
91+00



90+50



90+00



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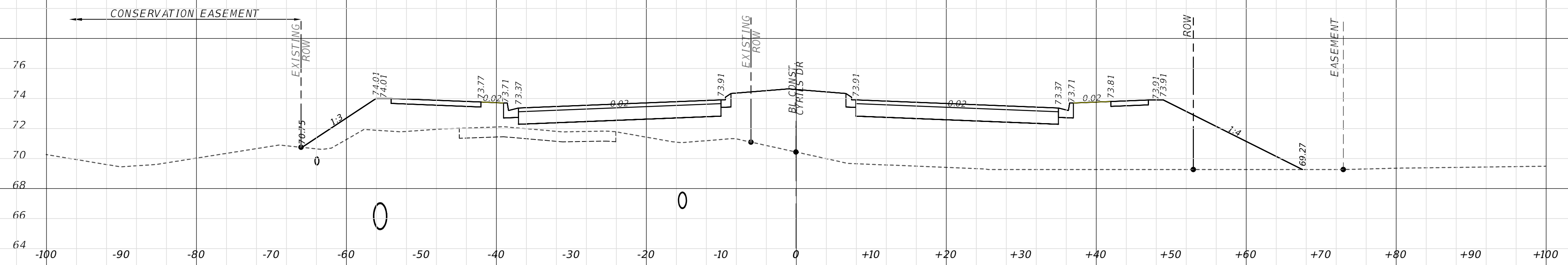
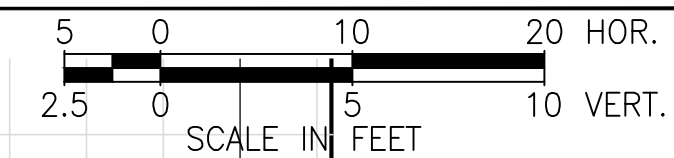
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Eng. Bus. No. 28567

OSCEOLA COUNTY
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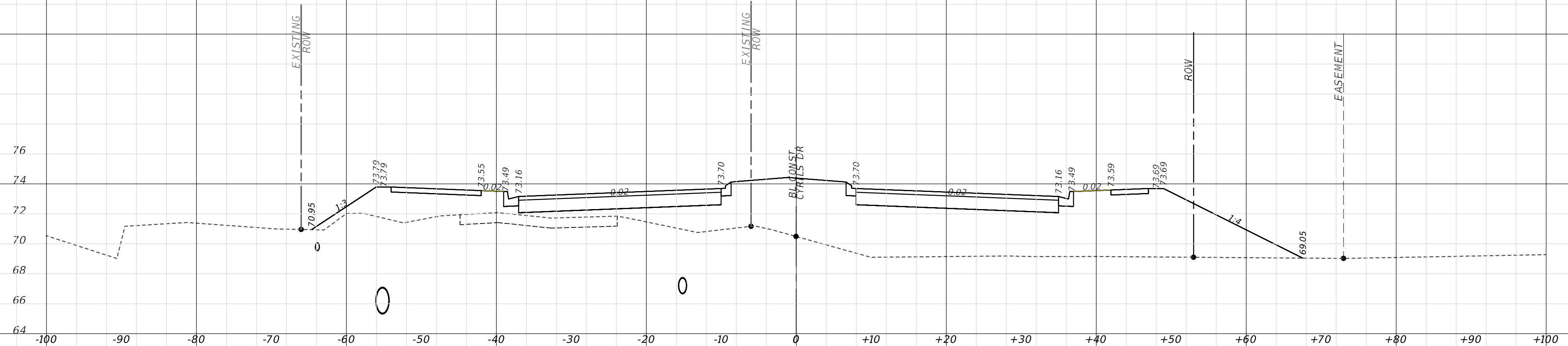
CYRILS DRIVE / NARCOOSSEE ROAD TO
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CROSS SECTIONS

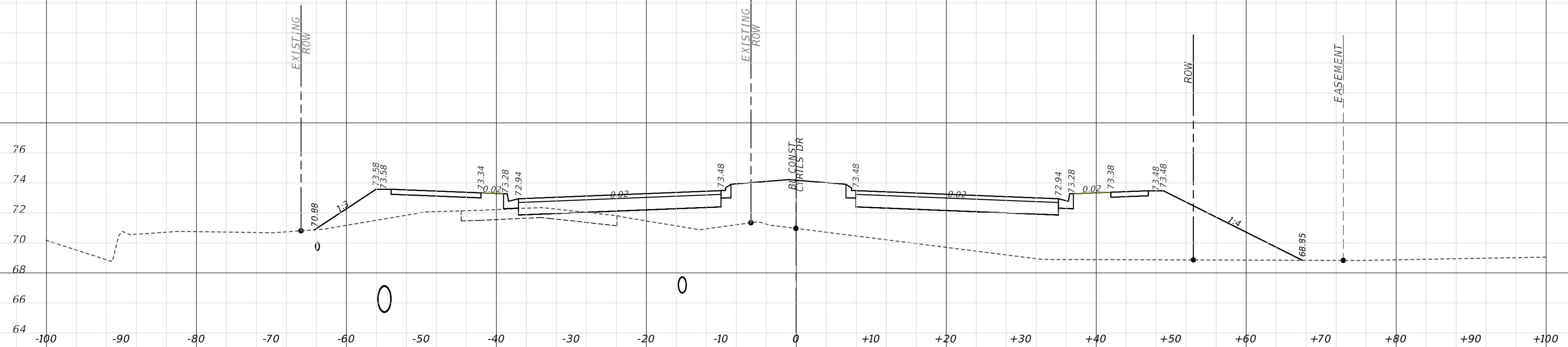
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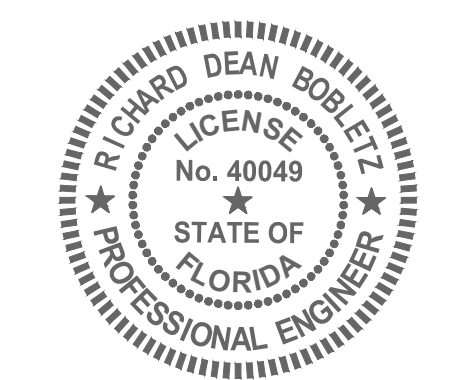
92+50



92+00



91+50



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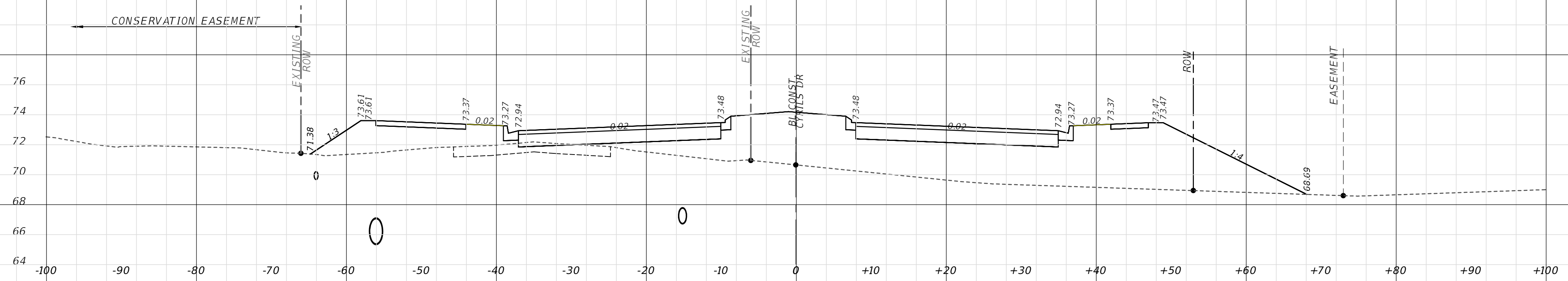
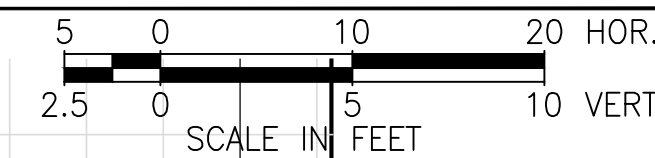
OSCEOLA COUNTY
PROJECT NO. (XXXX)

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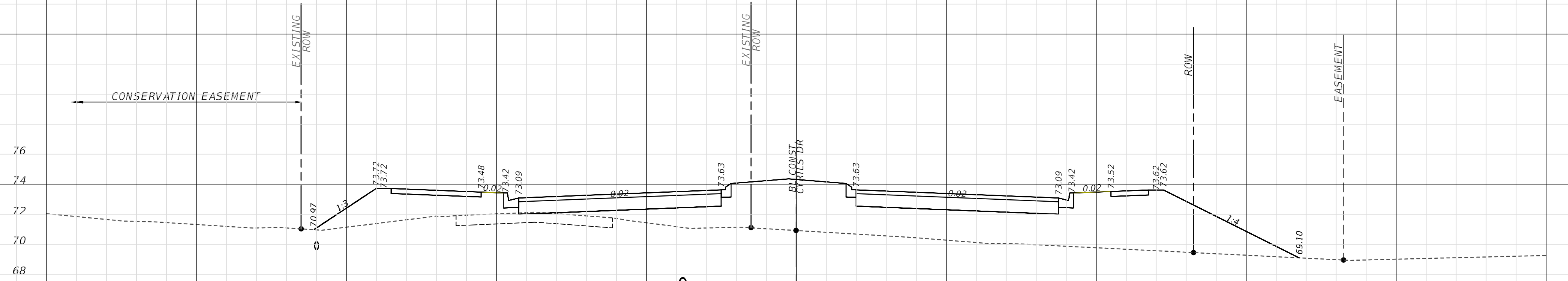
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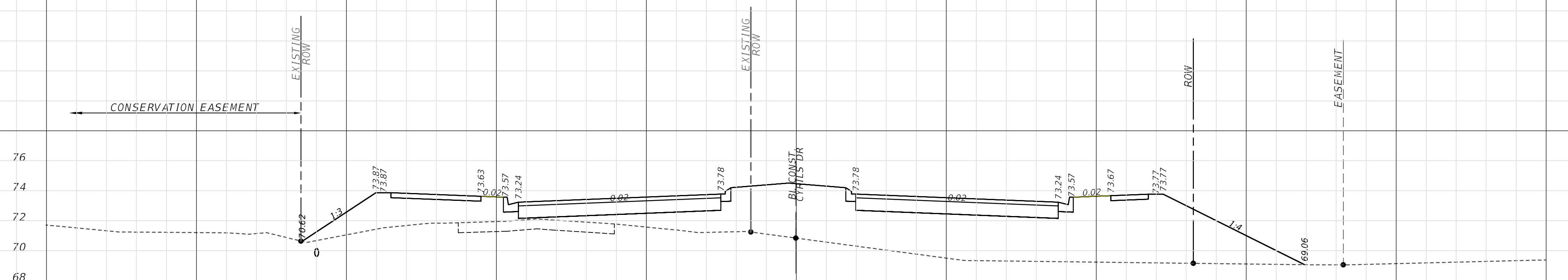
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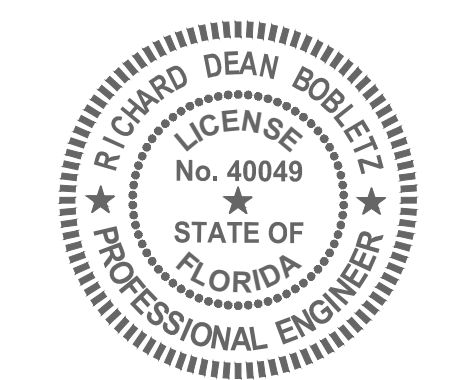
94+00



93+50



93+00



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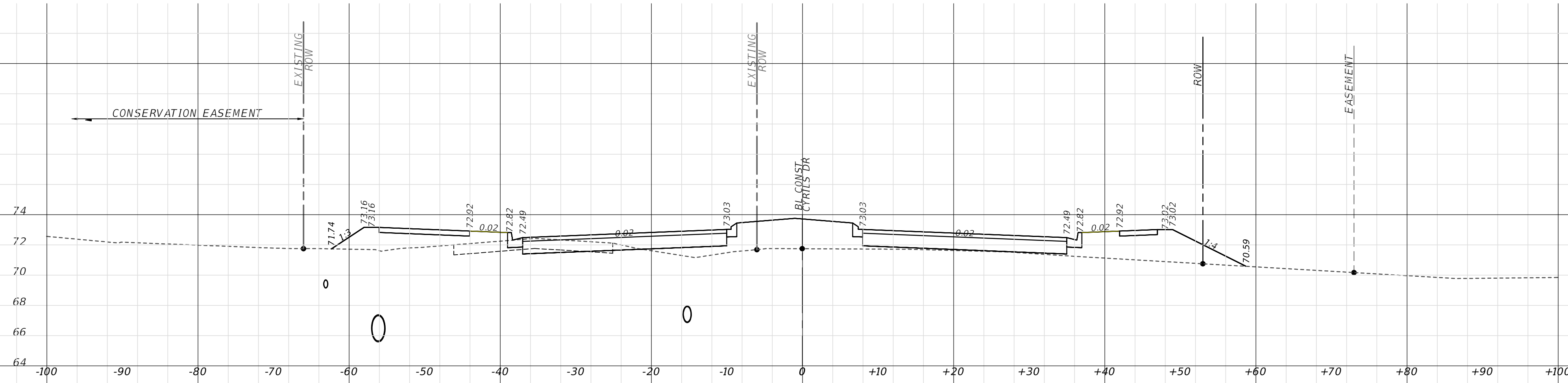
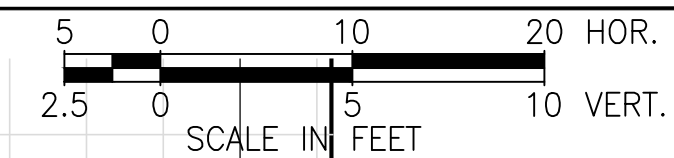
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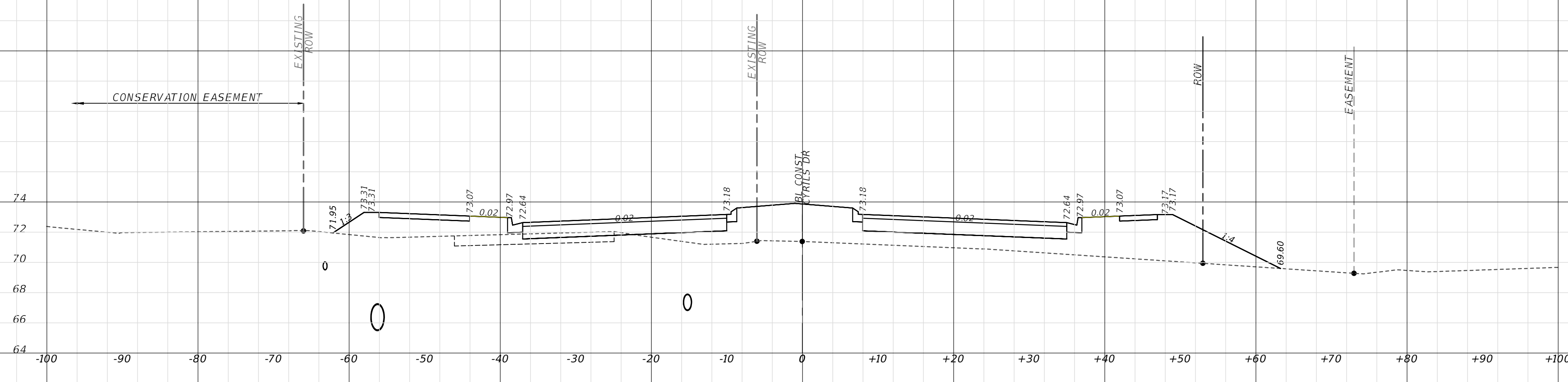
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CROSS SECTIONS

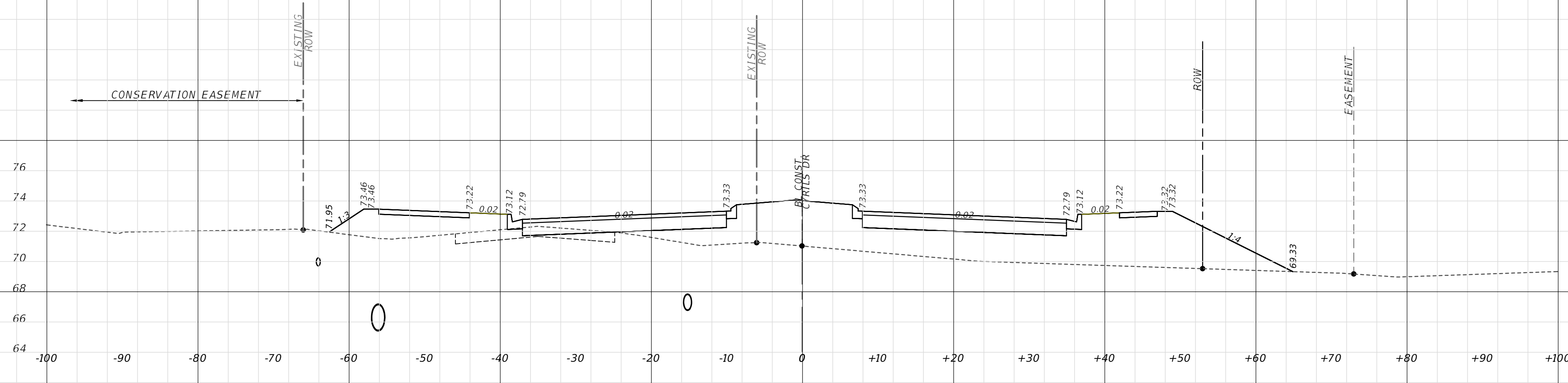
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147



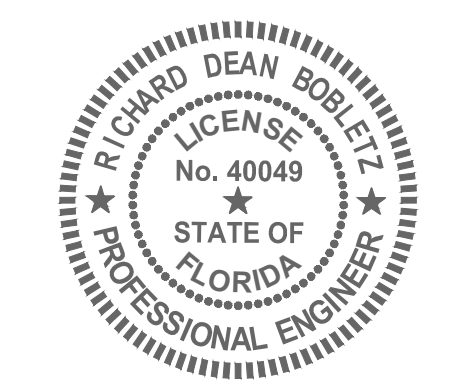
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95+00



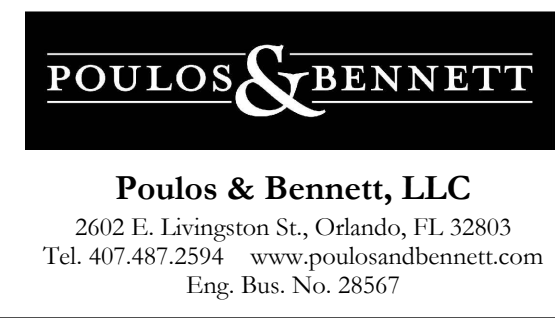
94+50



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 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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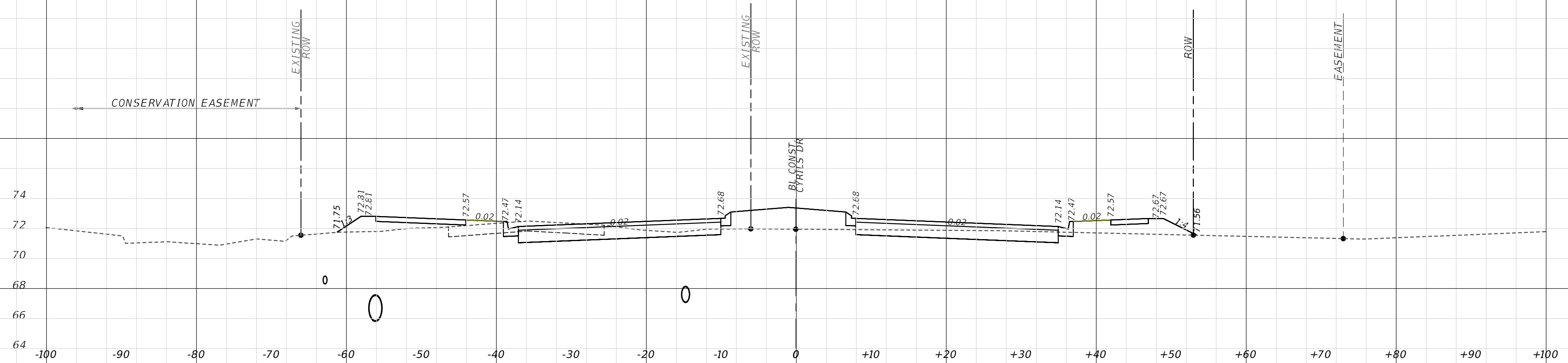
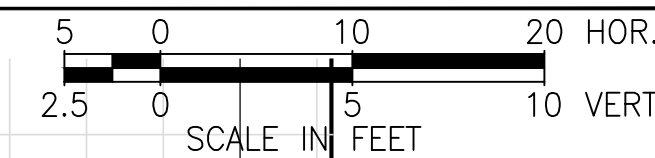
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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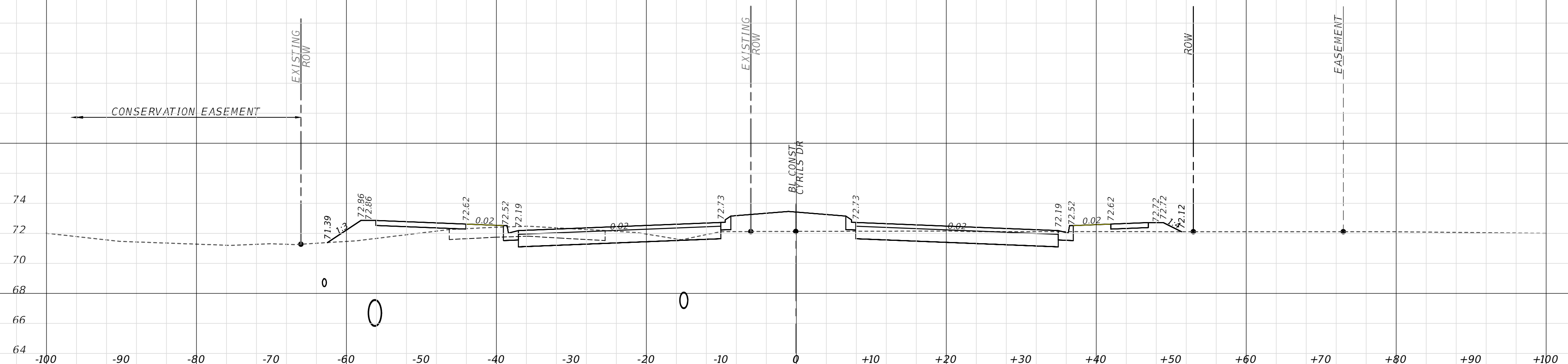
CROSS SECTIONS

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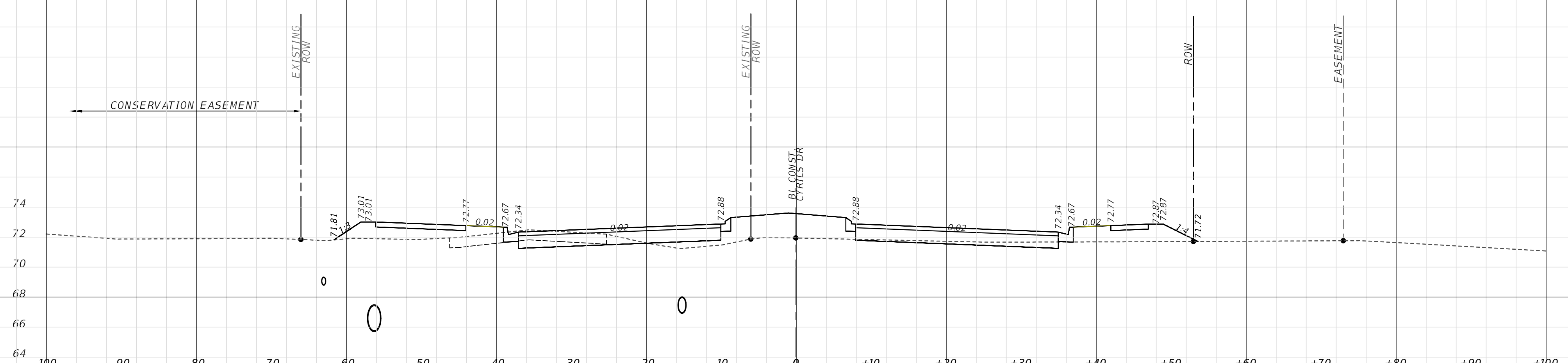
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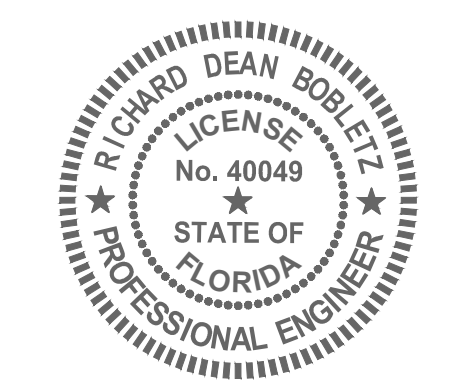
97+00



96+50



96+00



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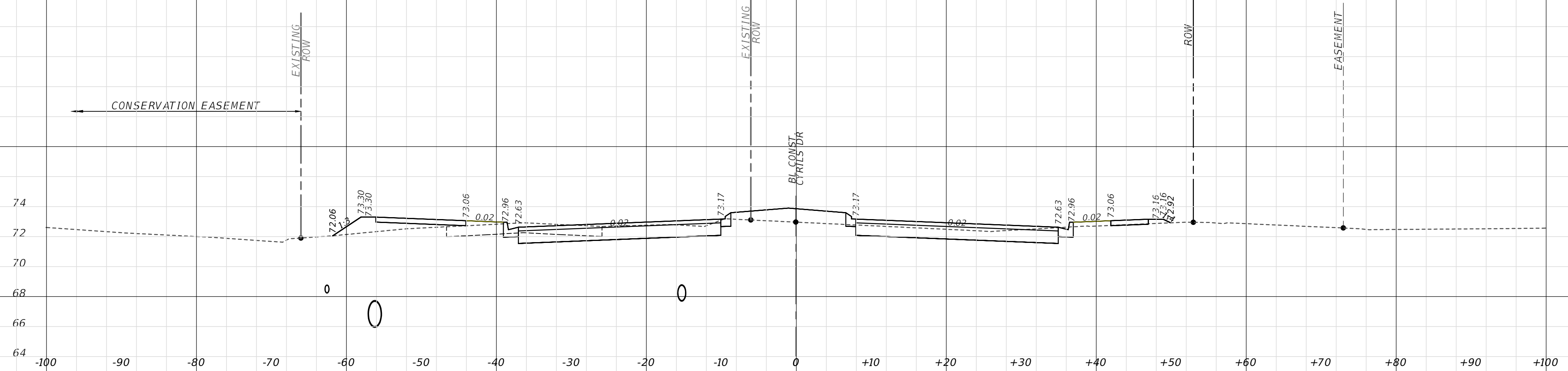
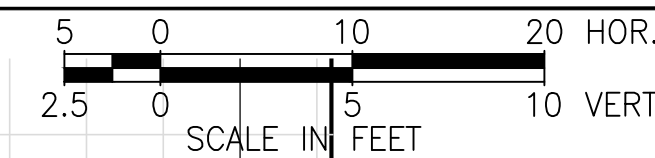
OSCEOLA COUNTY
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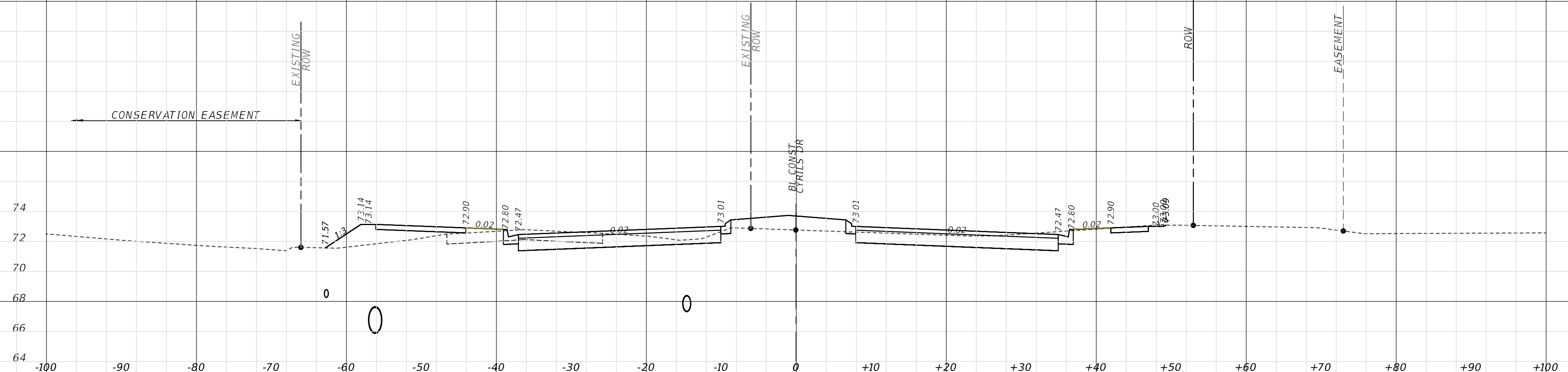
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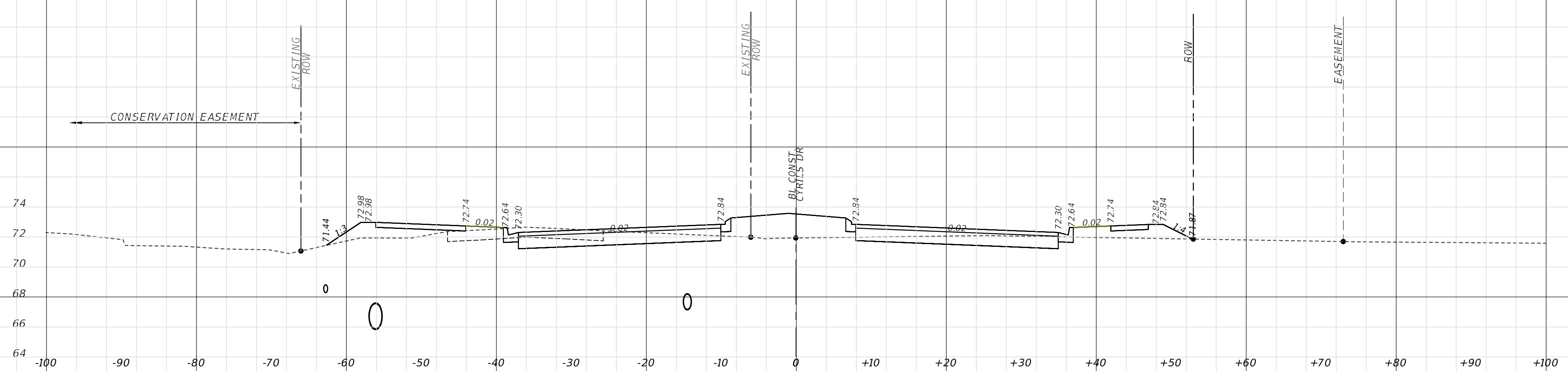
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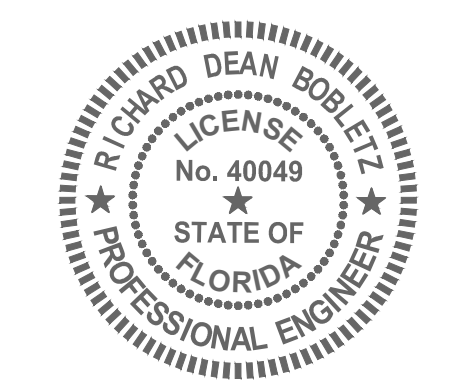
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98+00



97+50



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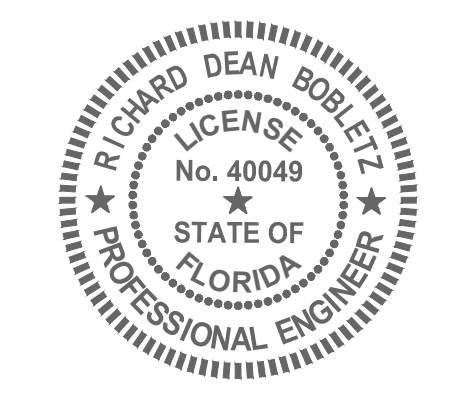
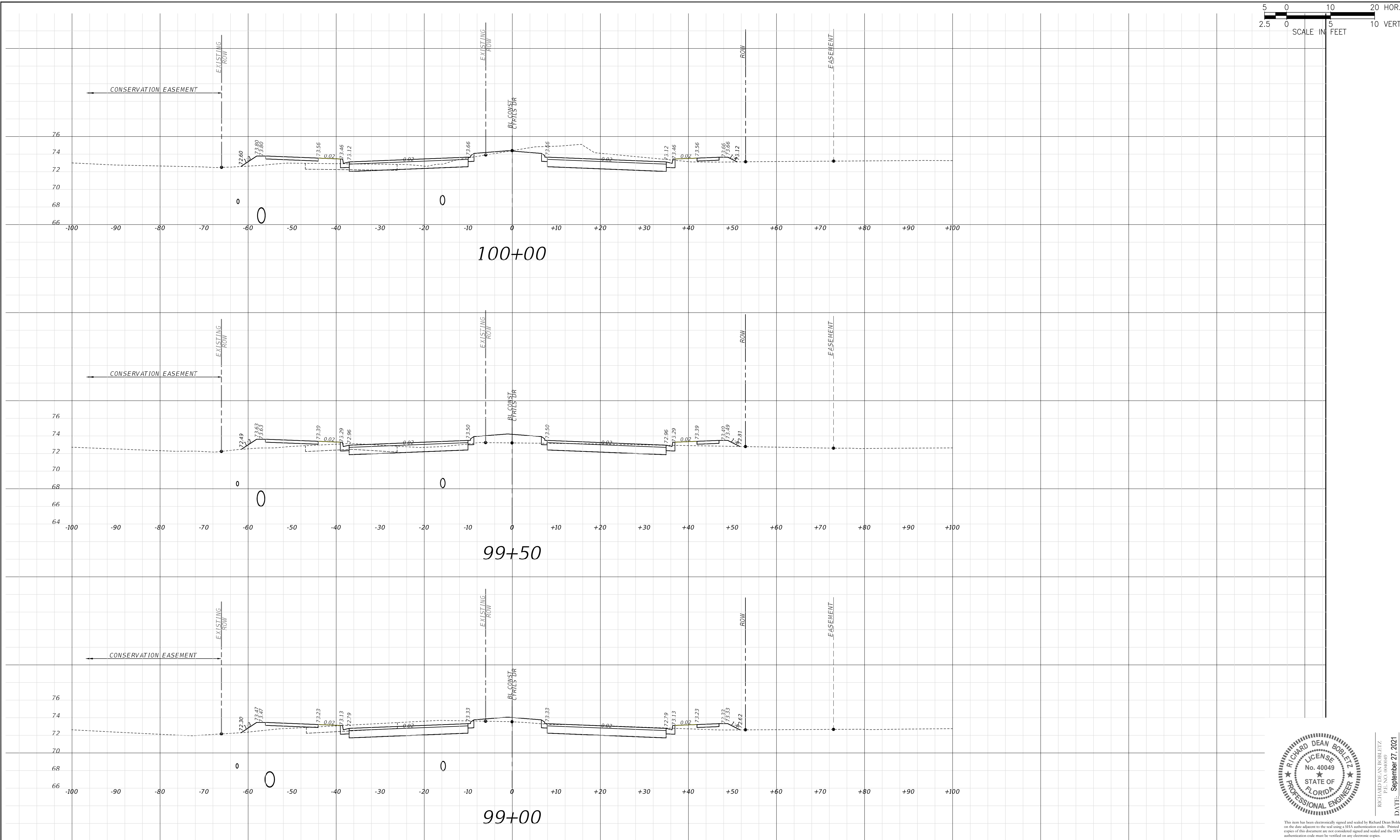
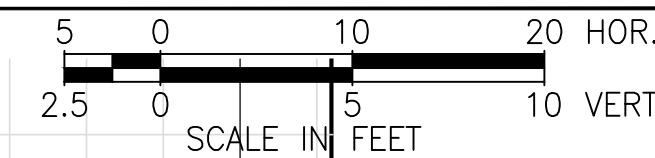
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150



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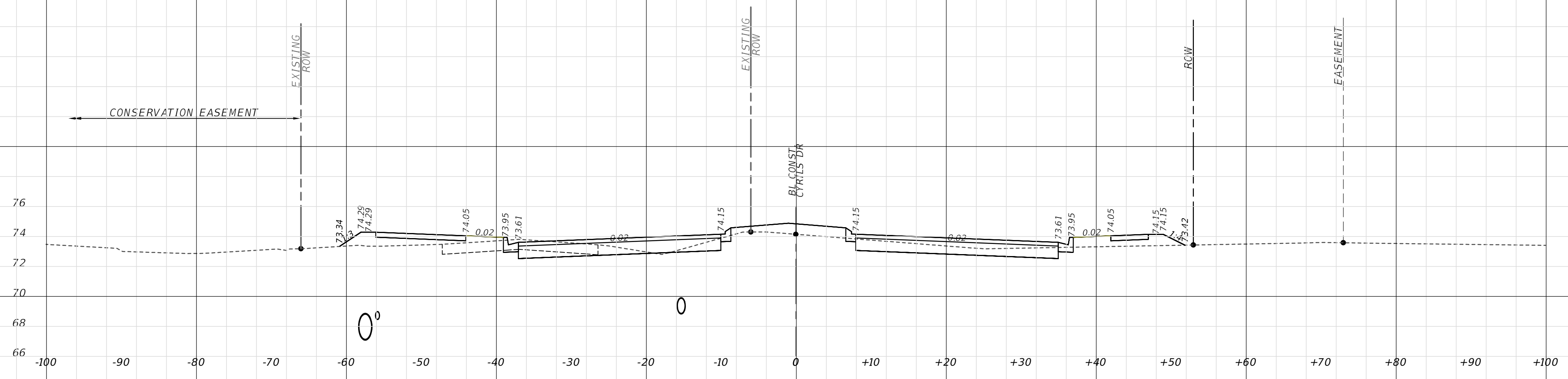
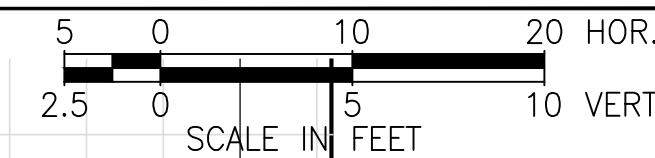
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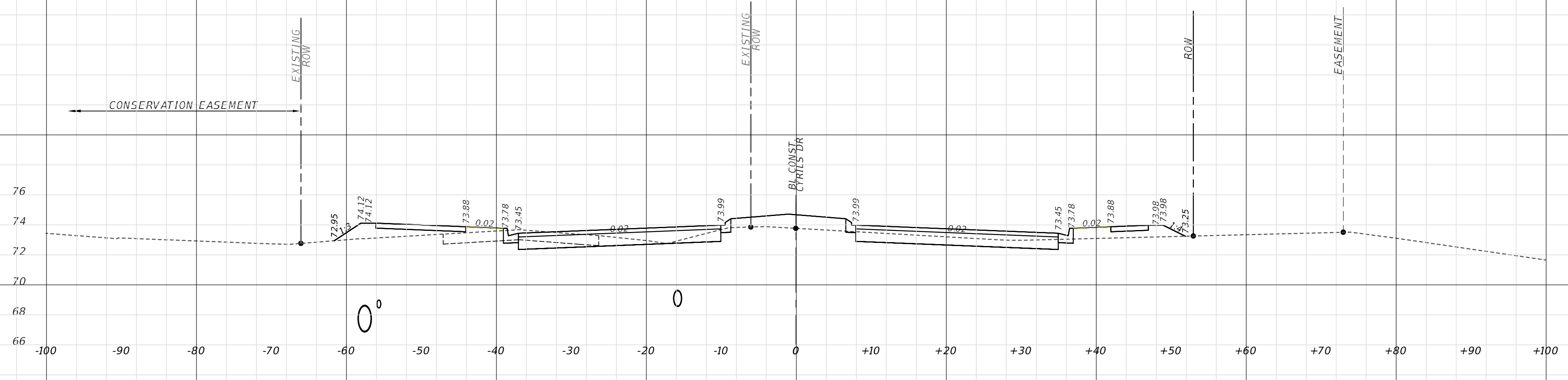
OSCEOLA COUNTY
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CROSS SECTIONS

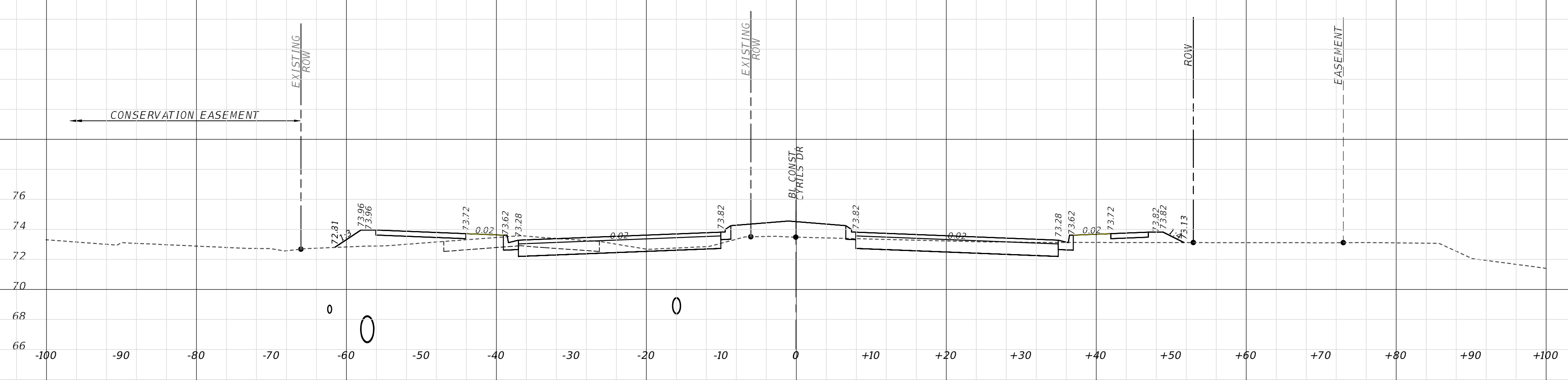
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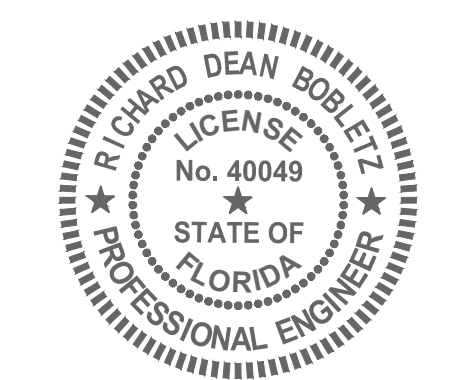
101+50



101+00



100+50



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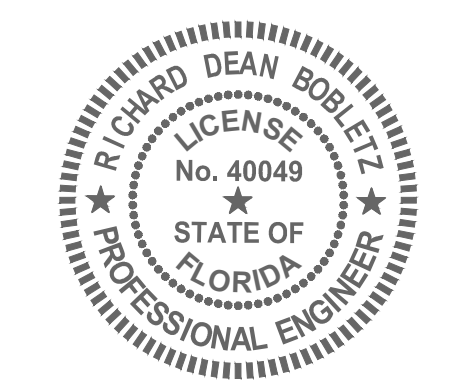
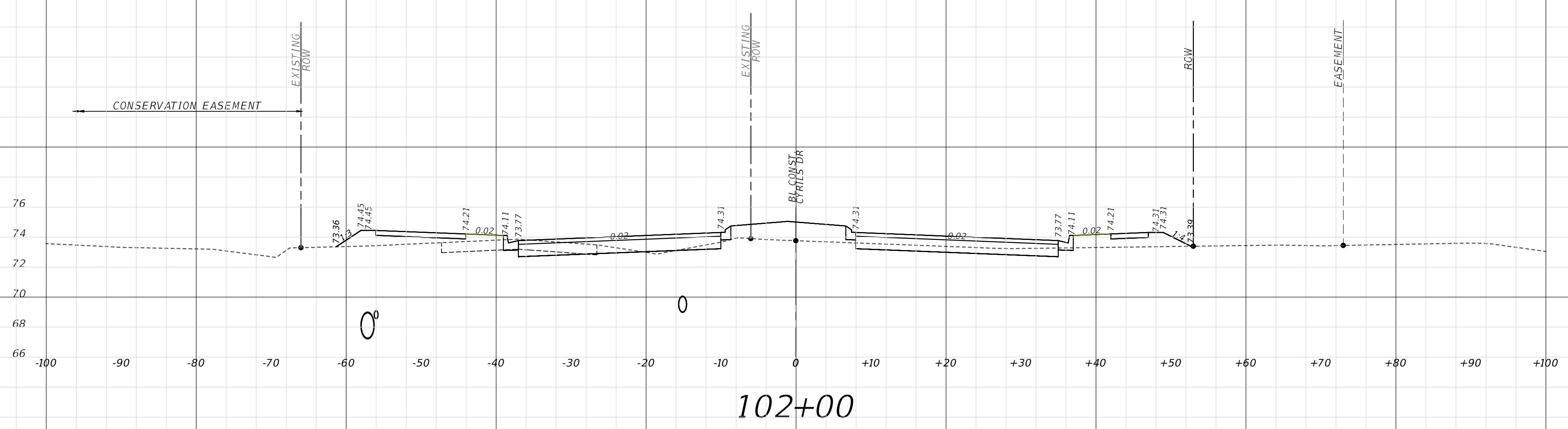
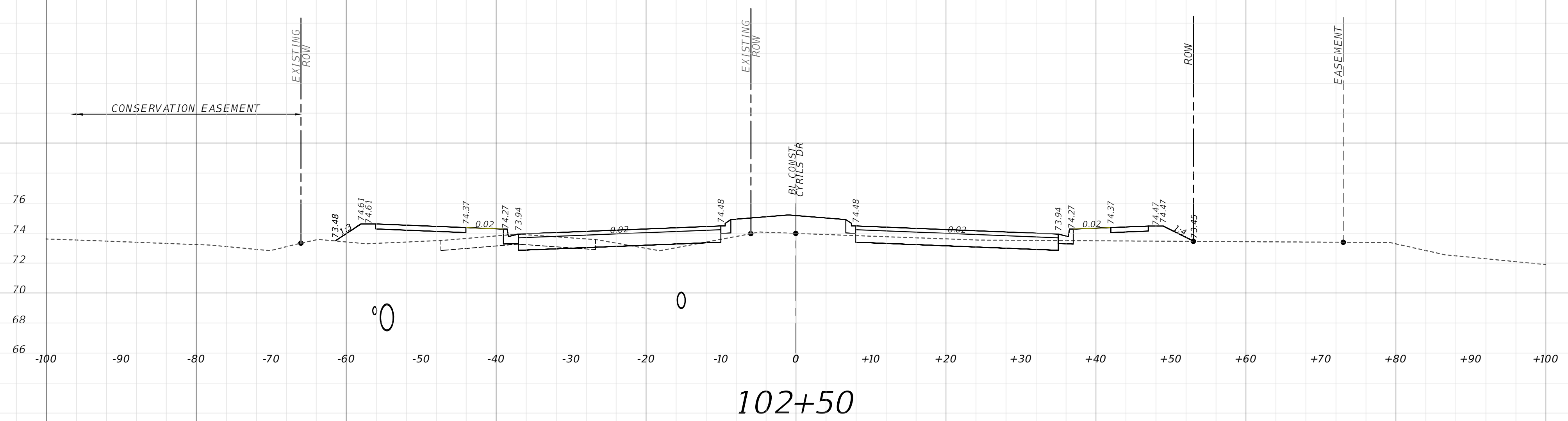
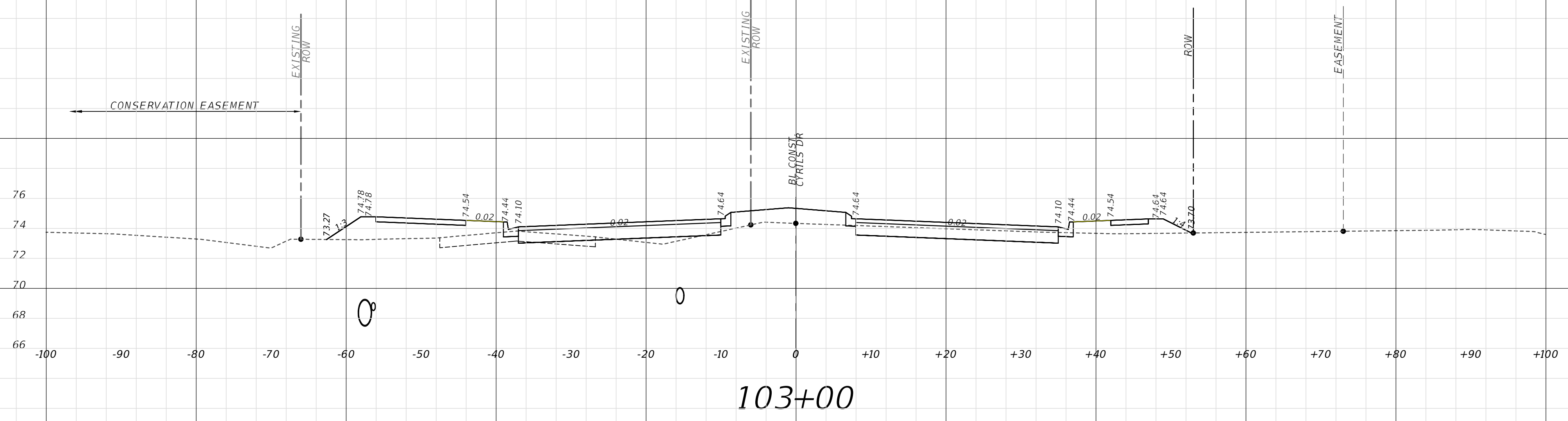
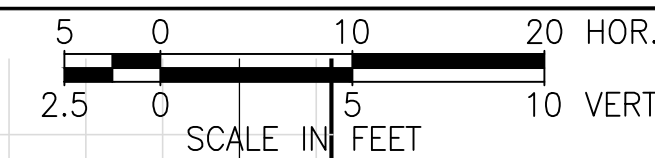
OSCEOLA COUNTY
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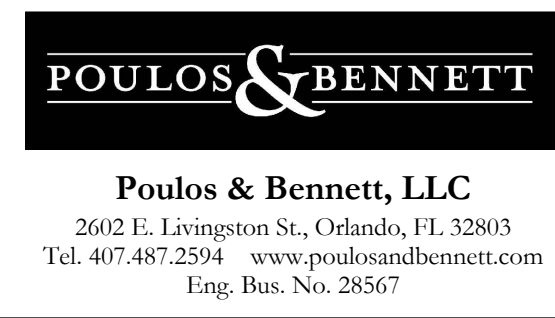
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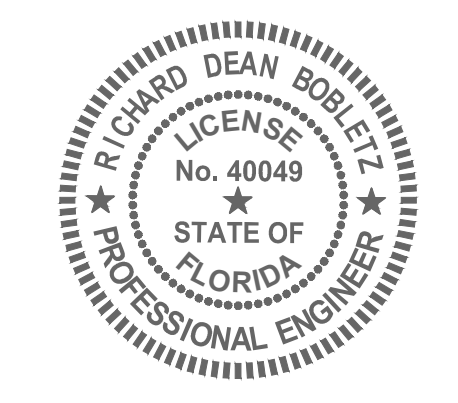
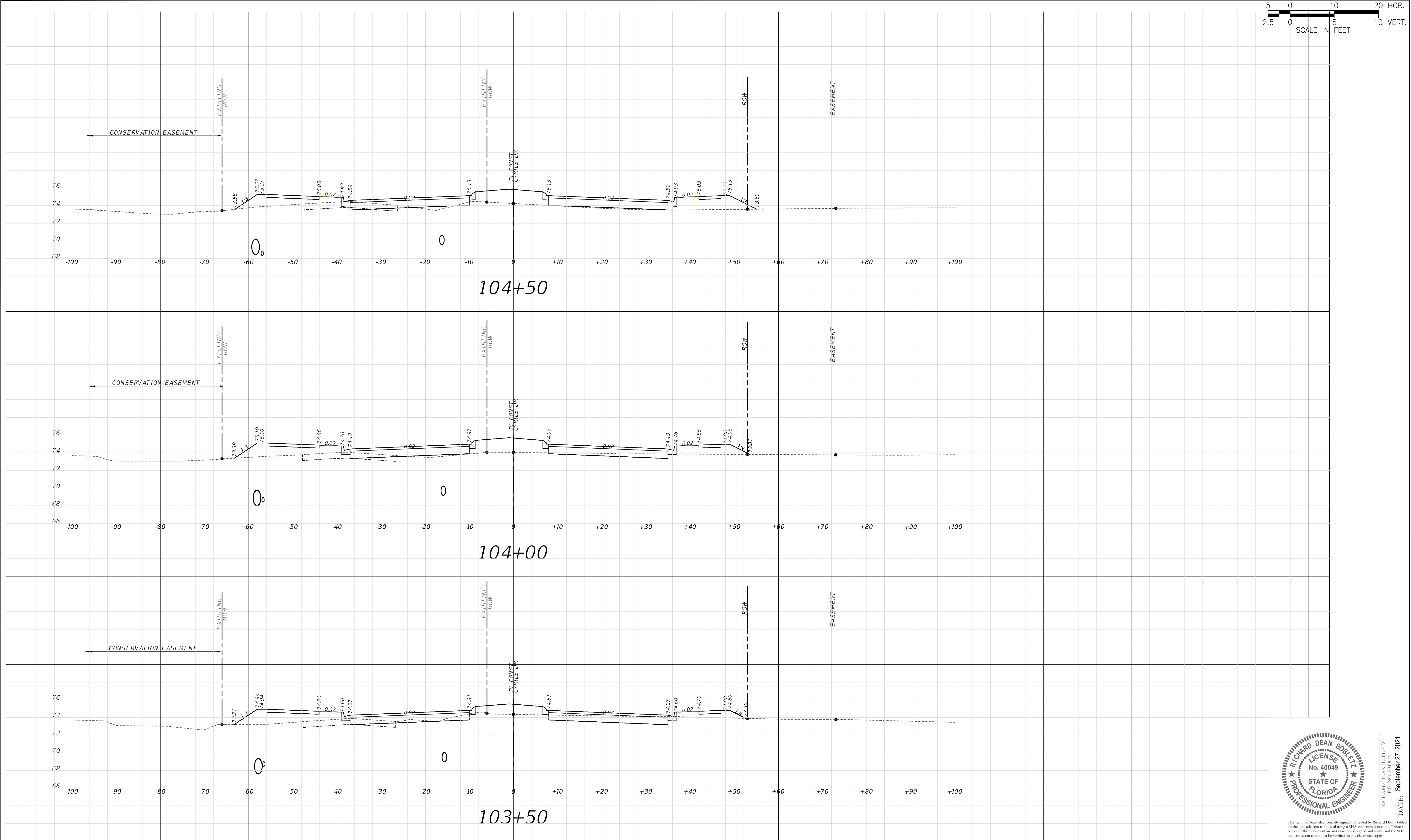
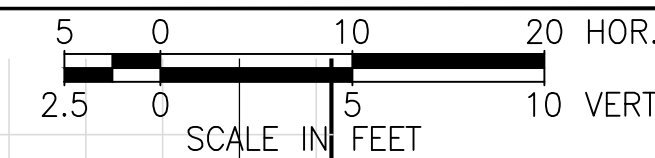


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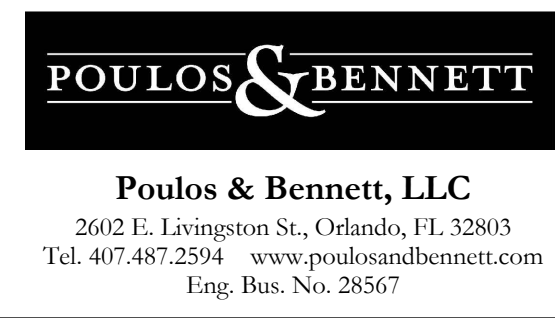
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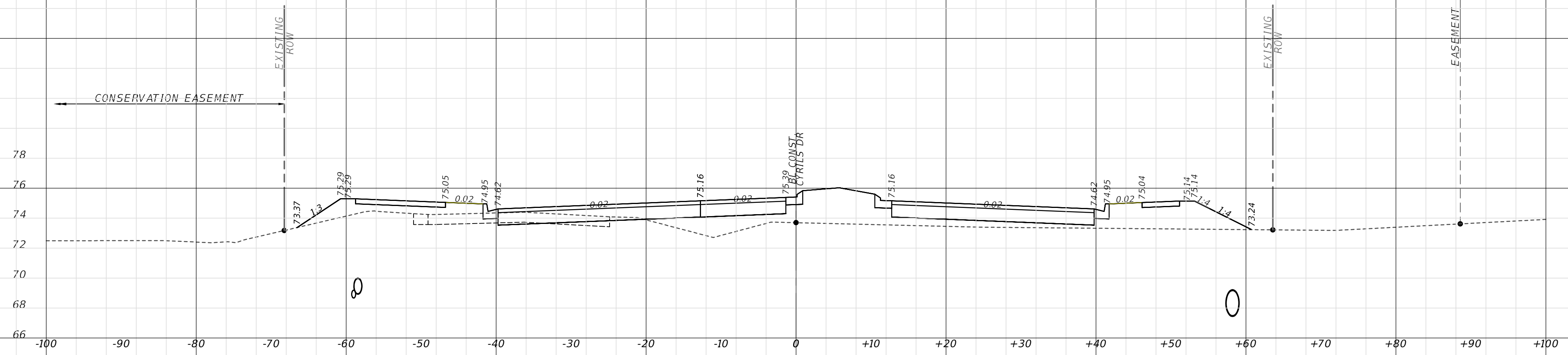
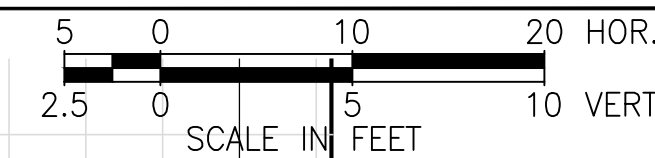
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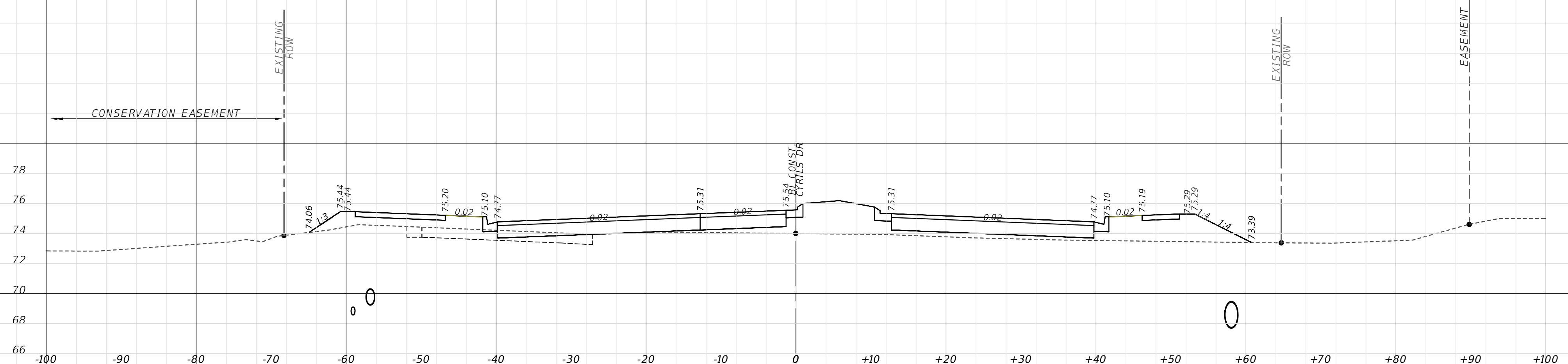
OSCEOLA COUNTY
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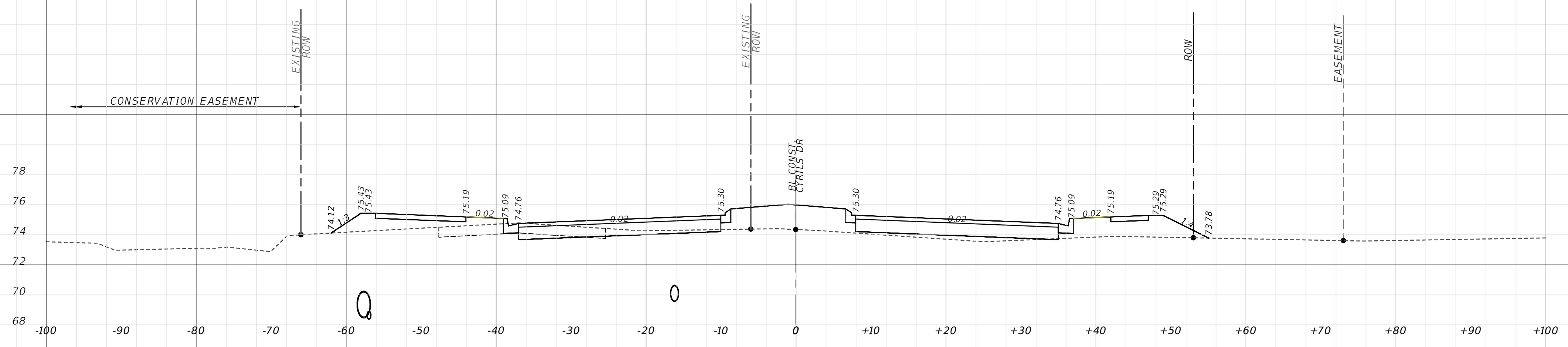
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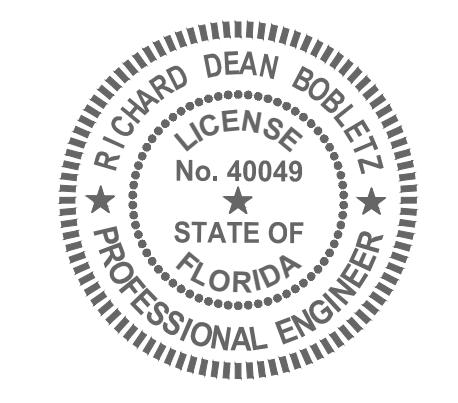
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106+00



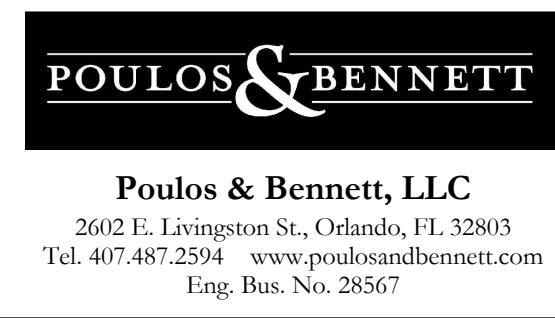
105+00



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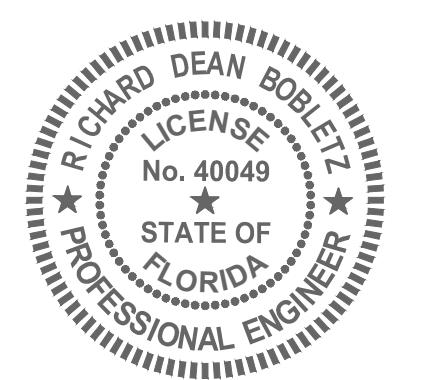
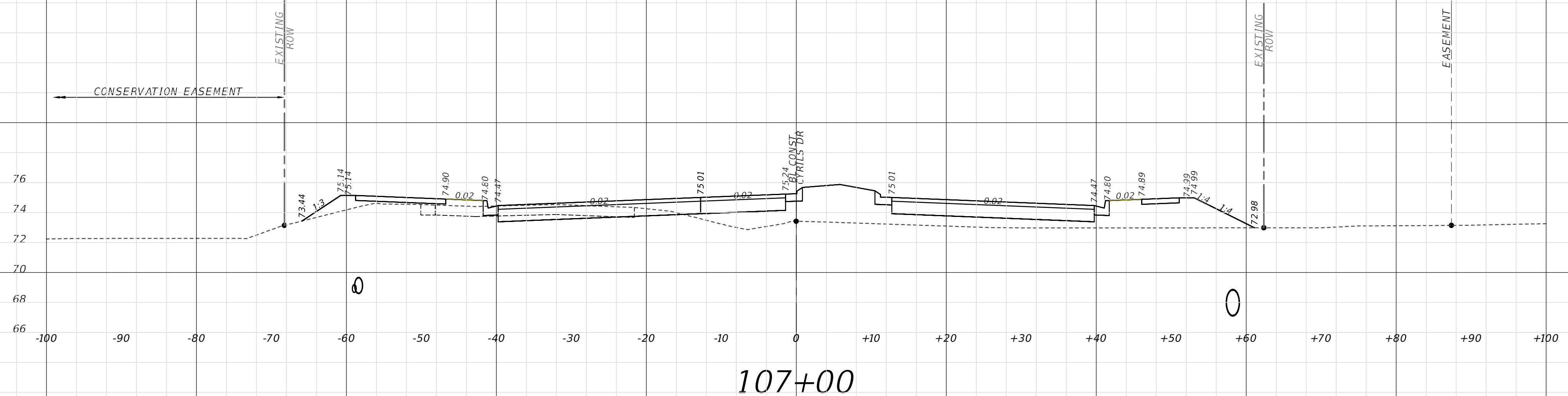
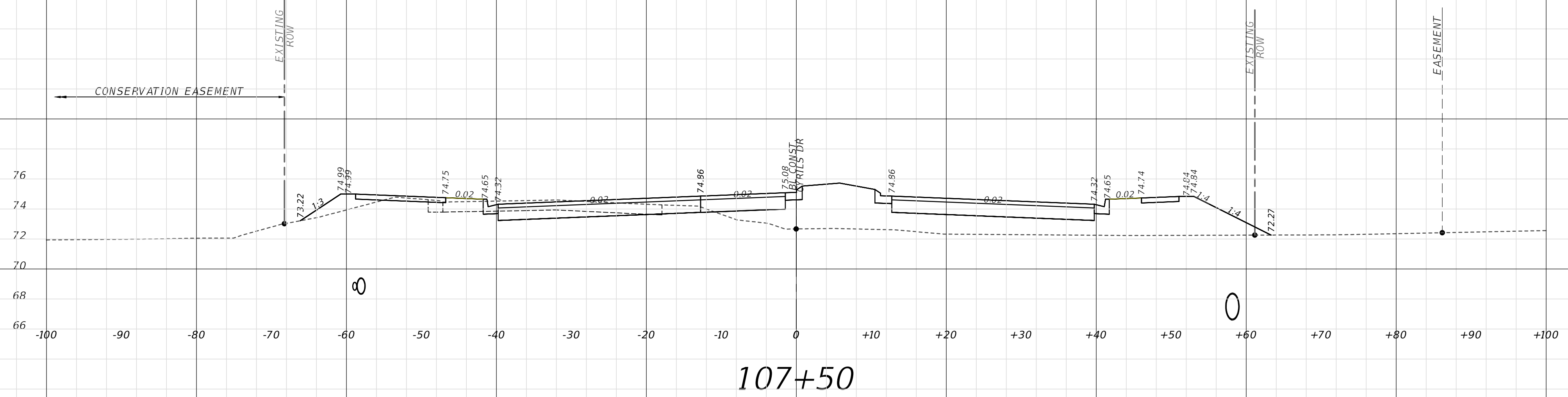
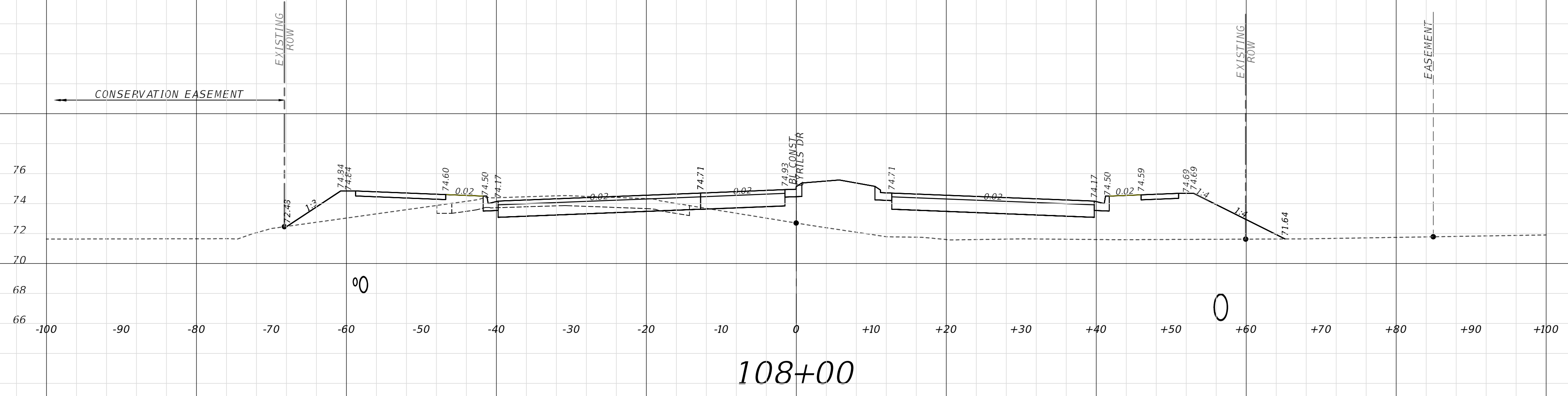
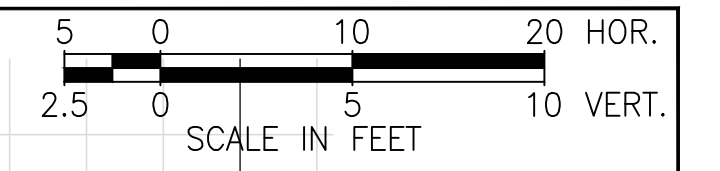
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OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
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155



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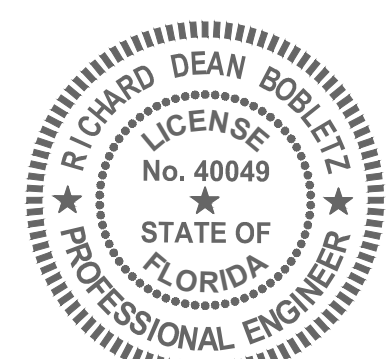
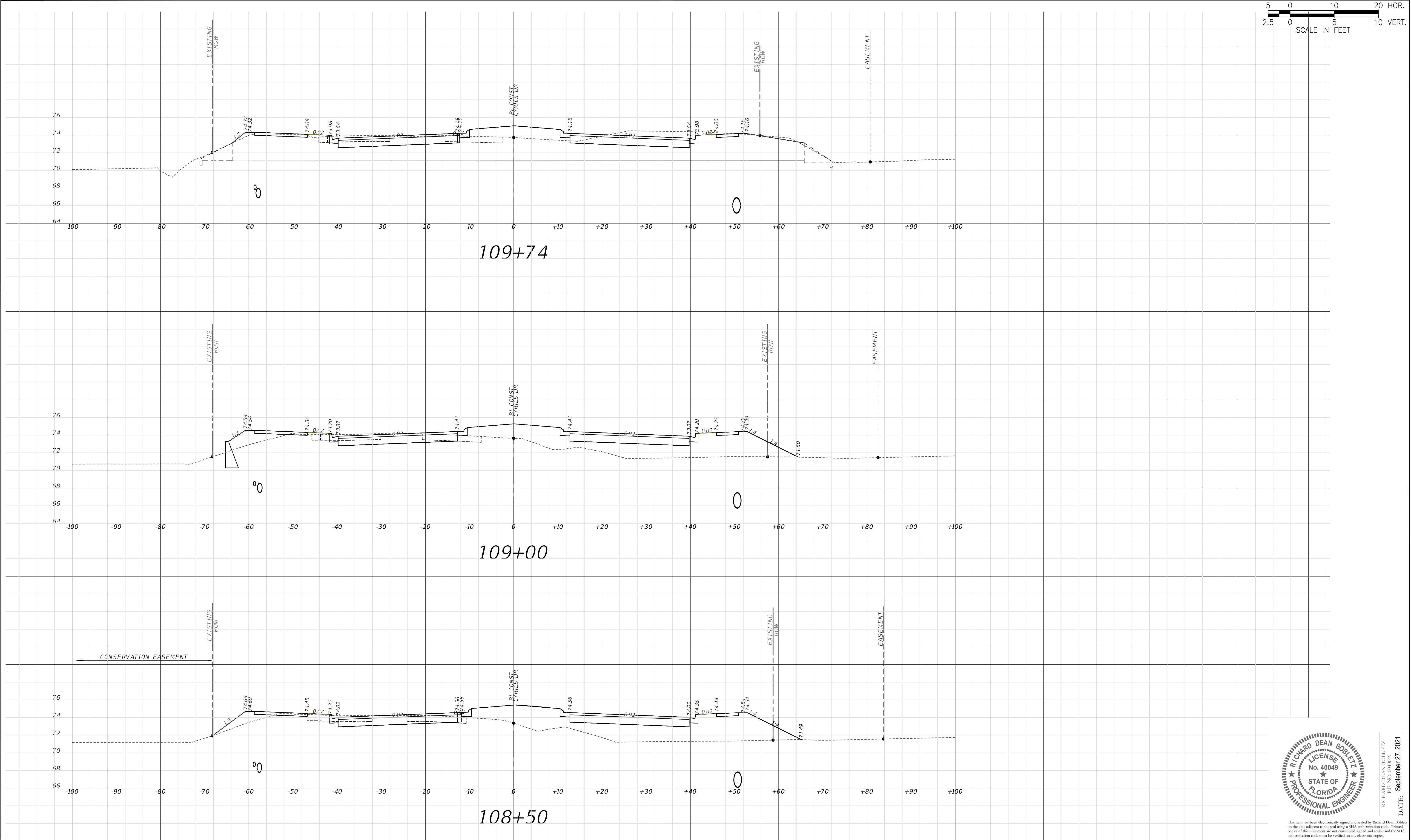
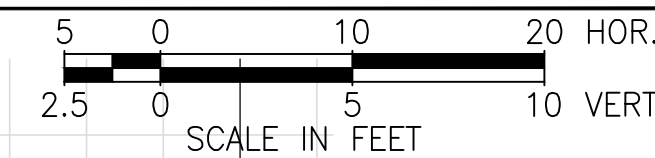
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**CYRILS DRIVE / NARCOOSSEE ROAD TO
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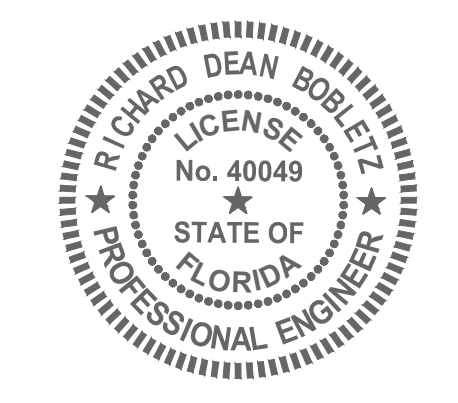
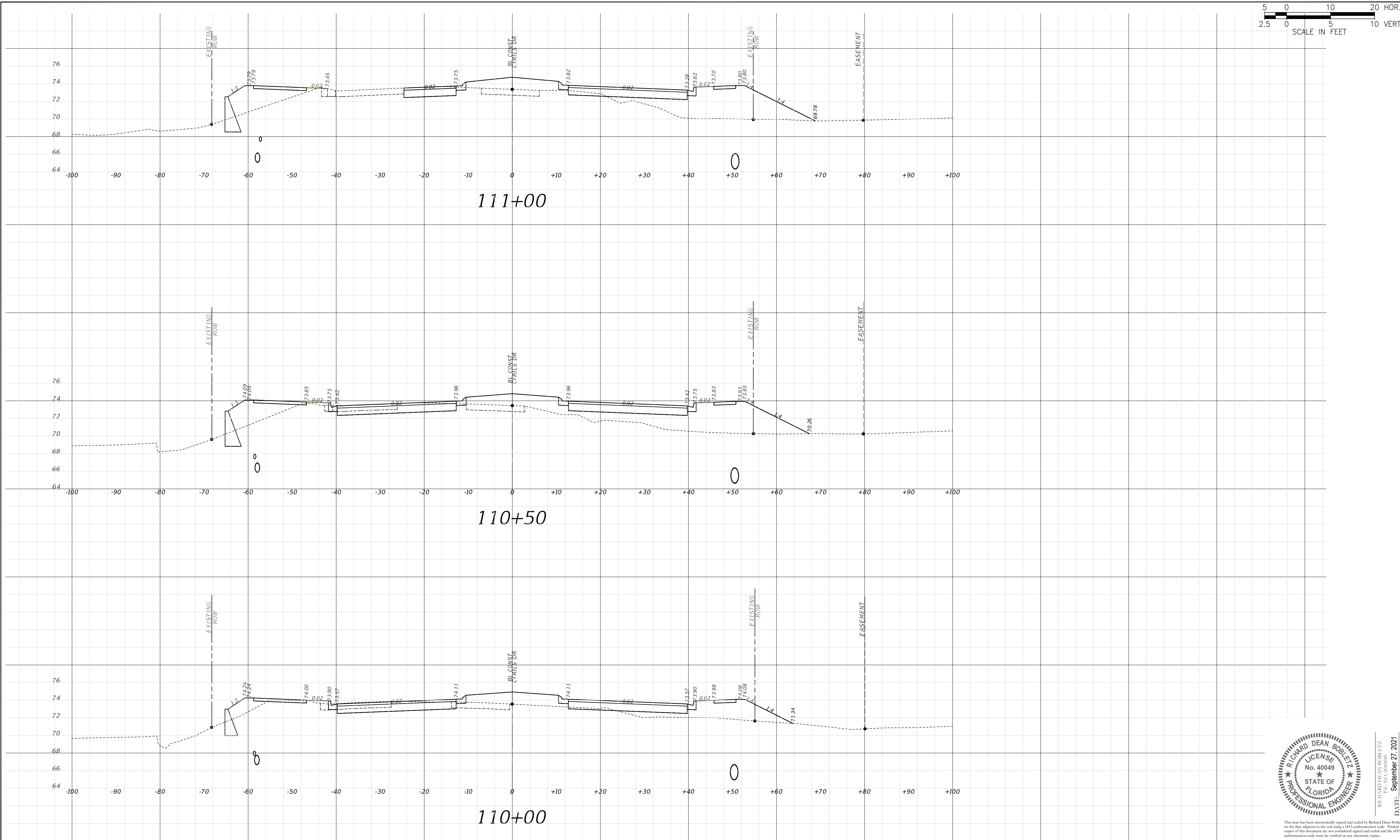
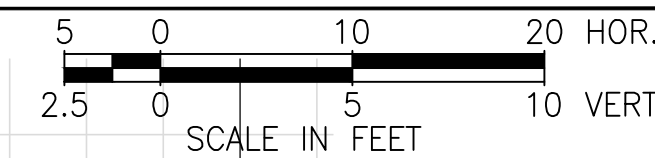
OSCEOLA COUNTY
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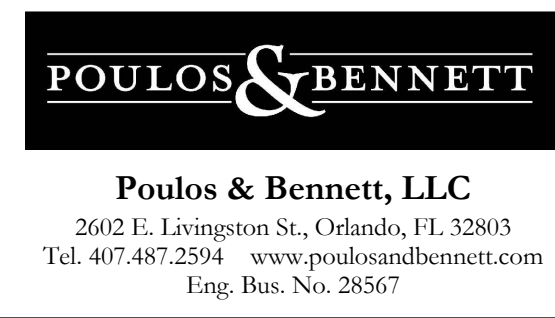
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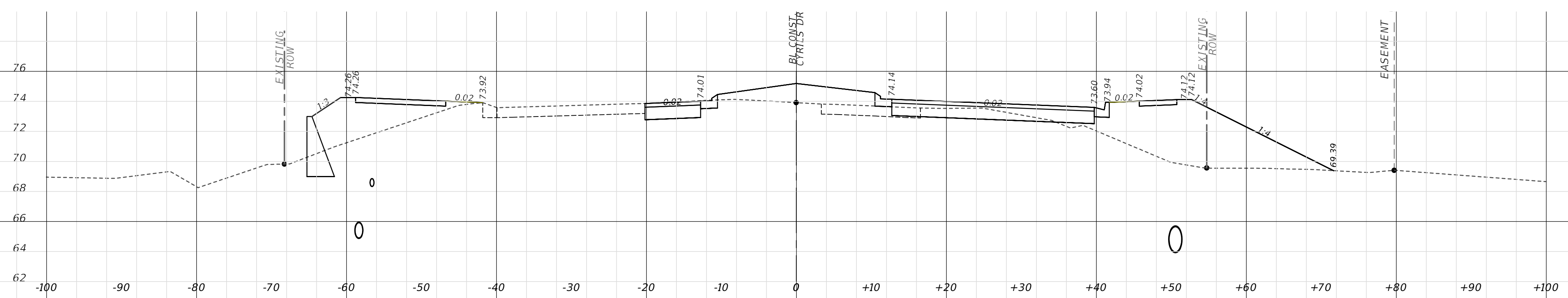
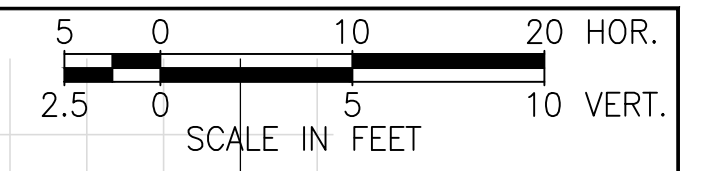
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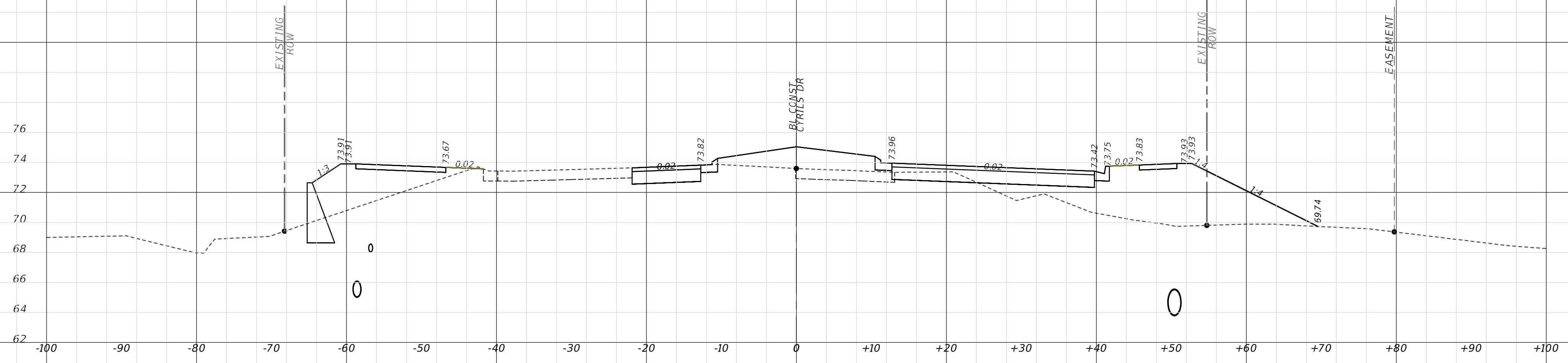
OSCEOLA COUNTY
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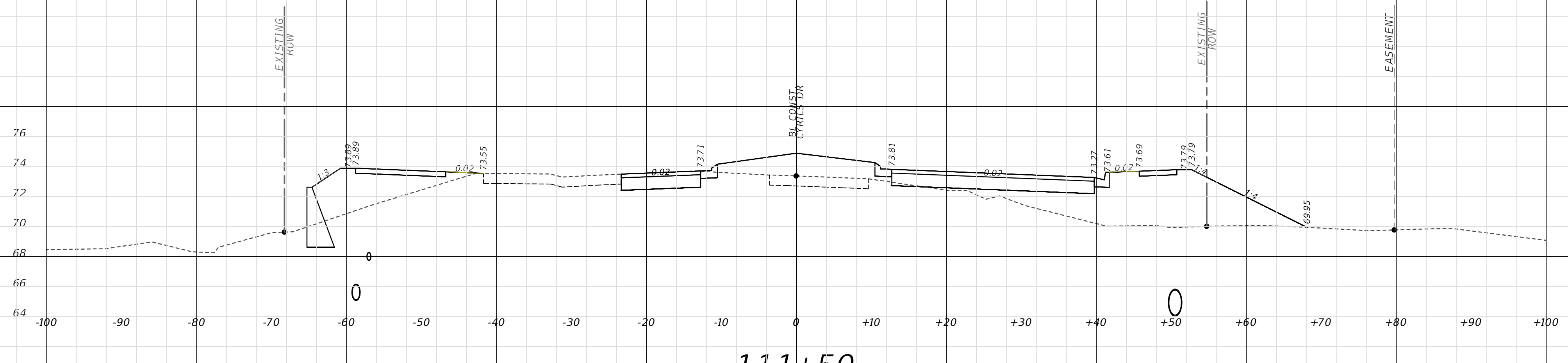
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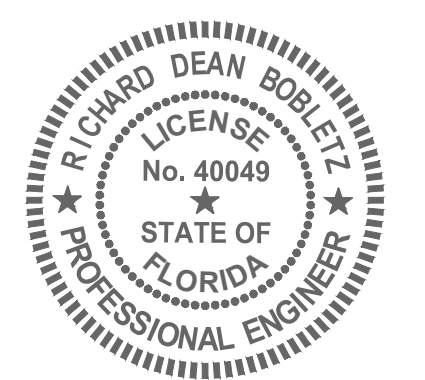
112+50



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111+50



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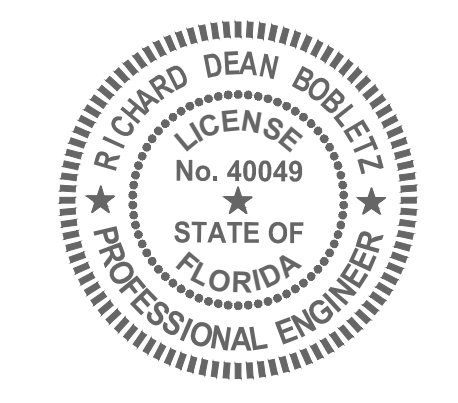
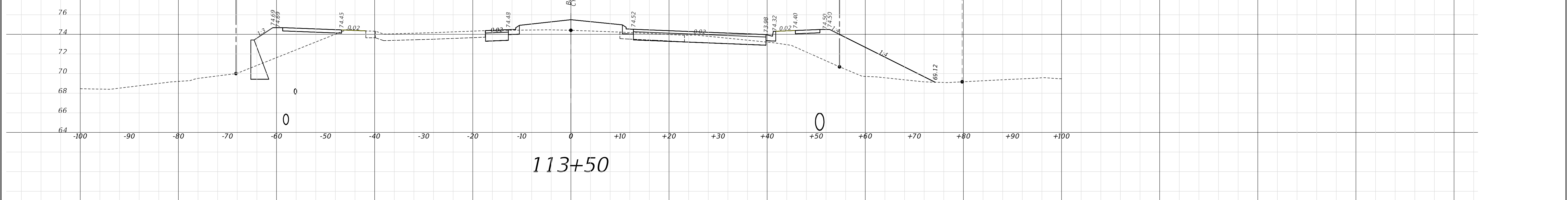
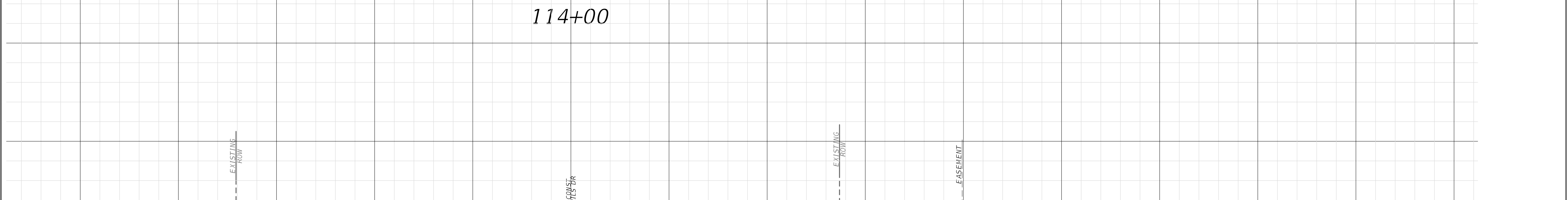
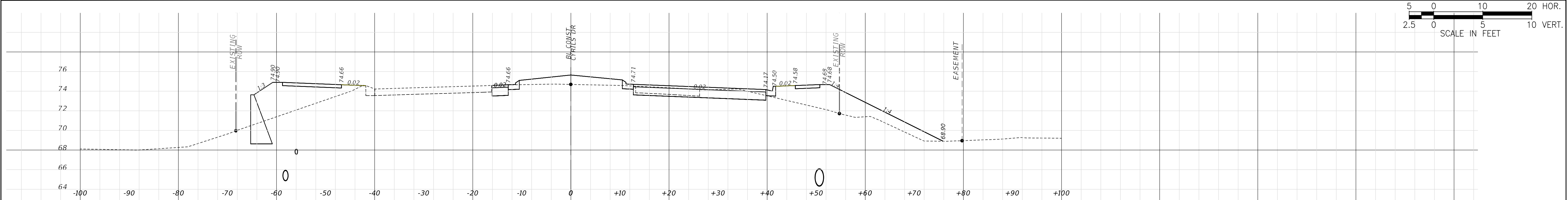
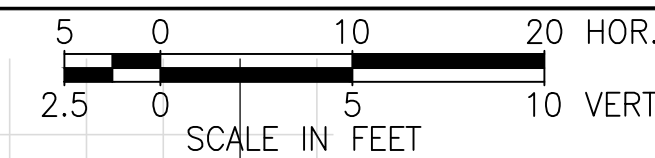
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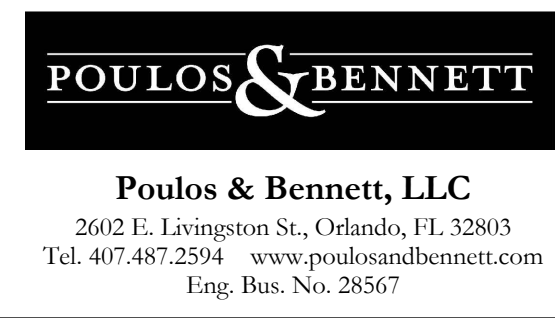
159



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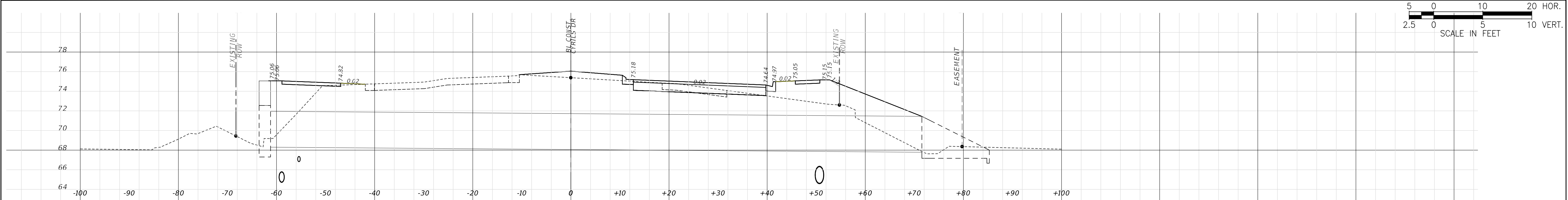
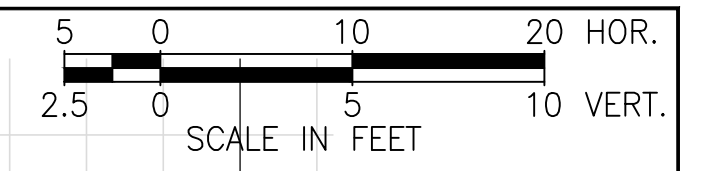
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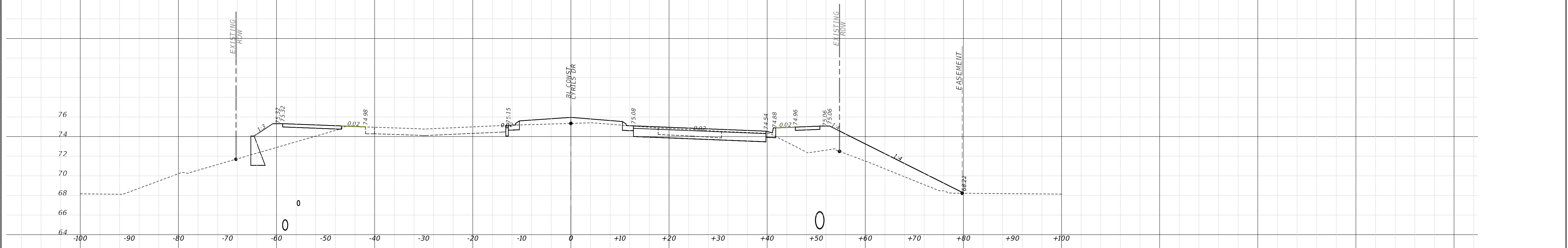
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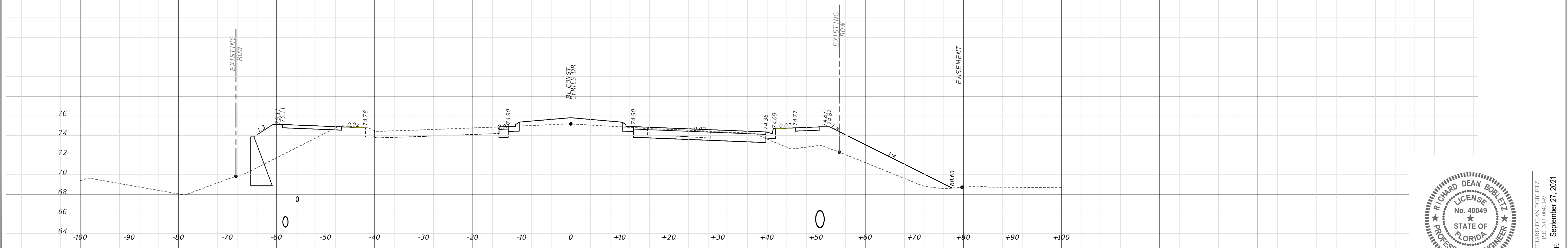
SHEET NO.
160



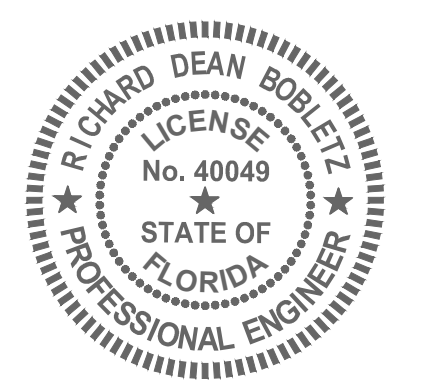
115+30



115+00



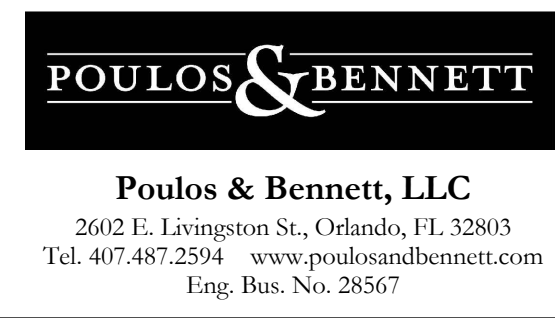
114+50



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 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

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DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		



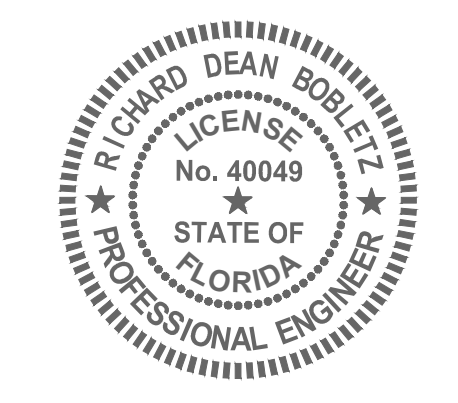
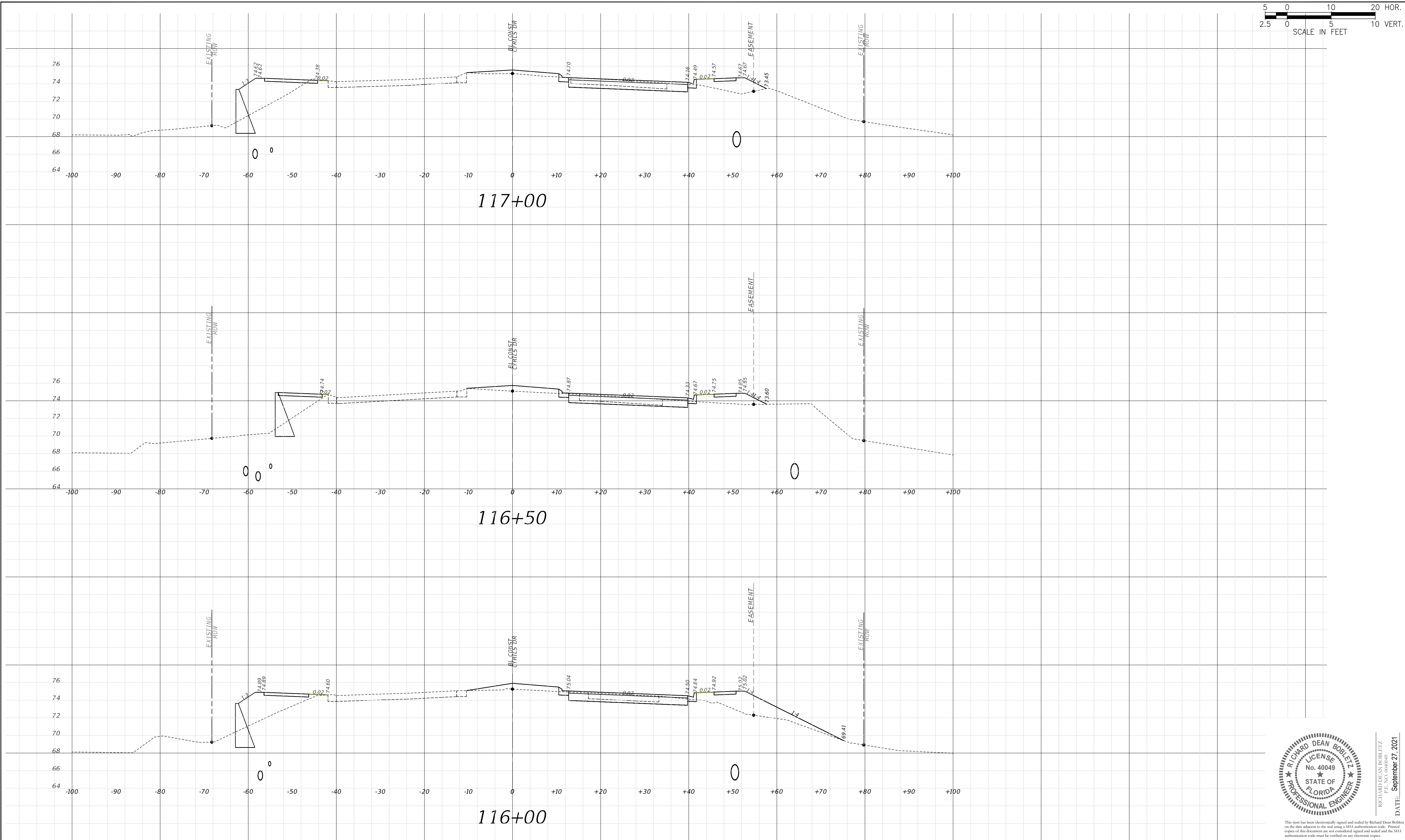
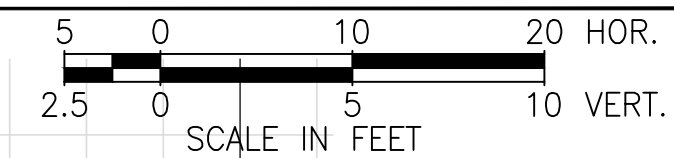
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET NO.

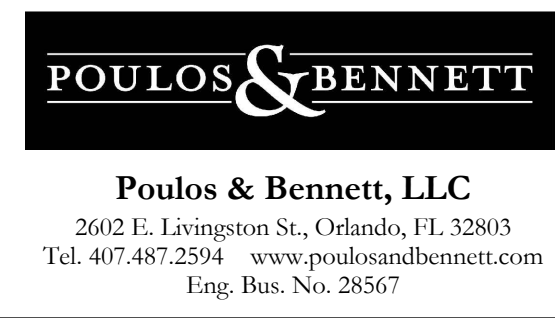
161



RICHARD DEAN BOBLETZ
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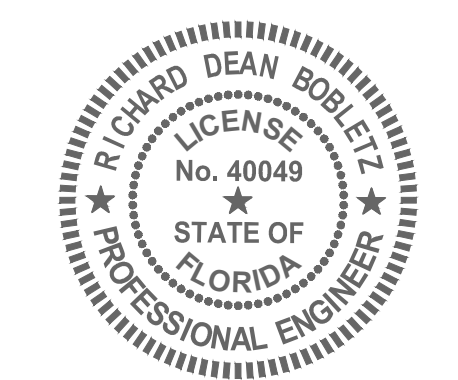
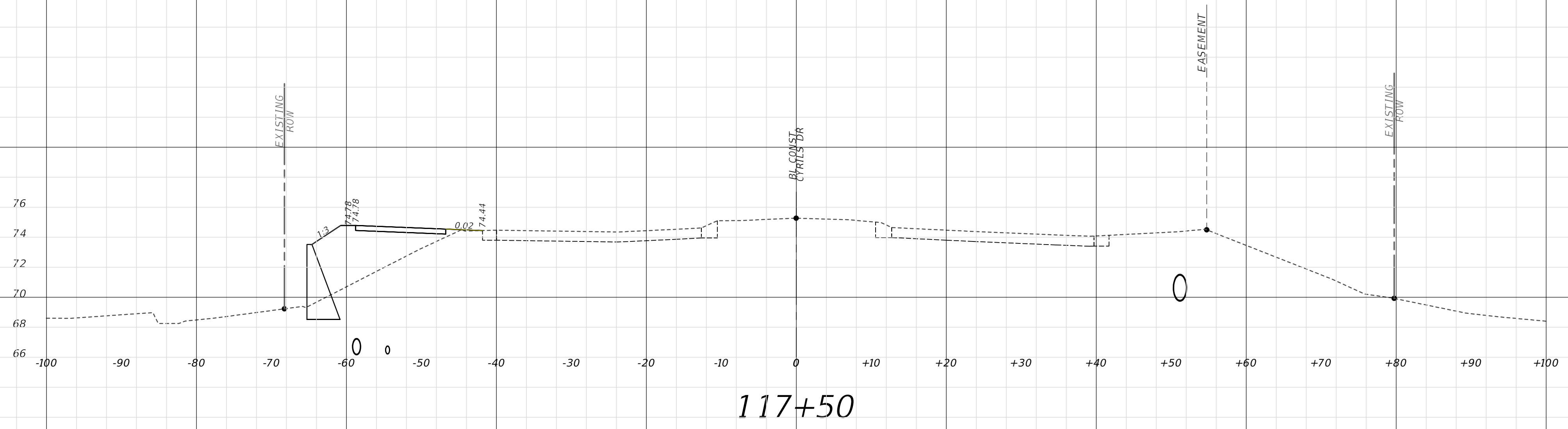
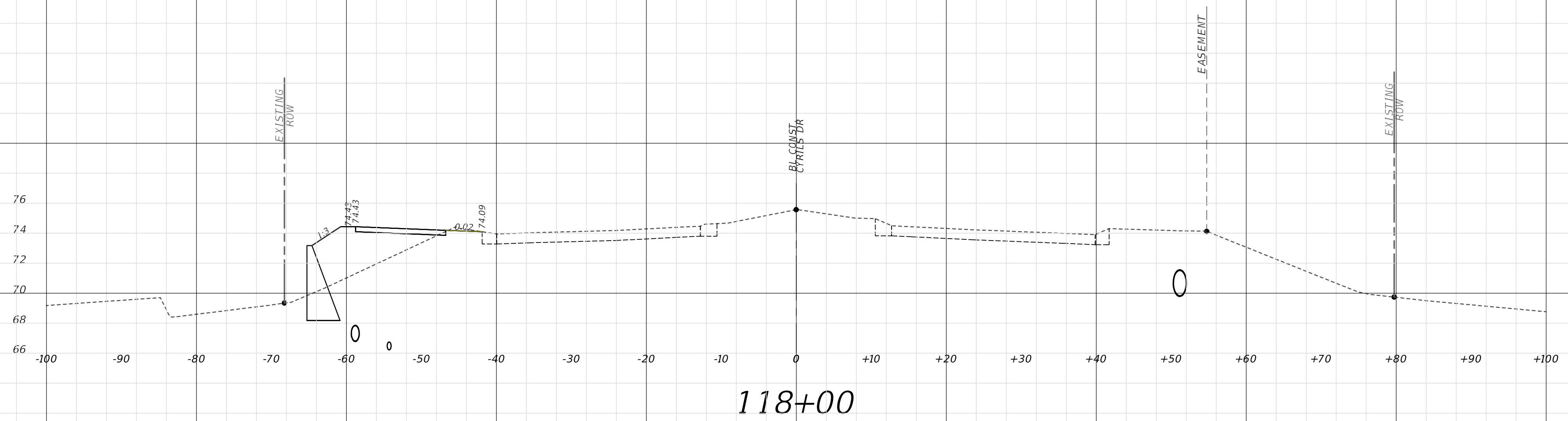
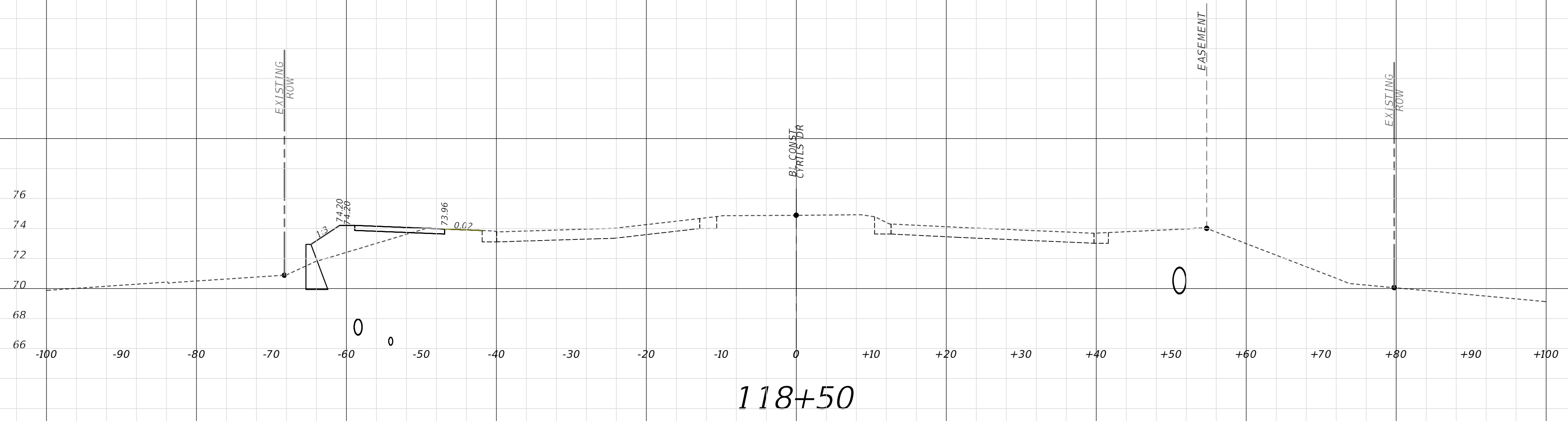
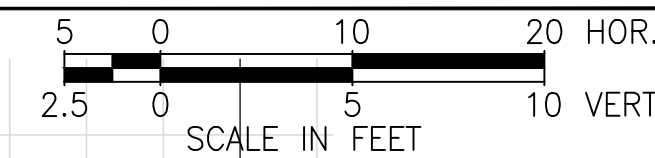
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		



OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 CROSS SECTIONS

SHEET
 NO.
 162

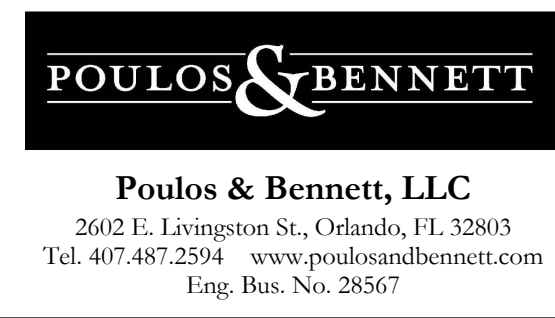


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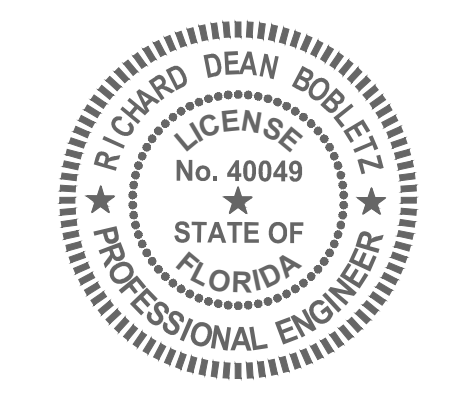
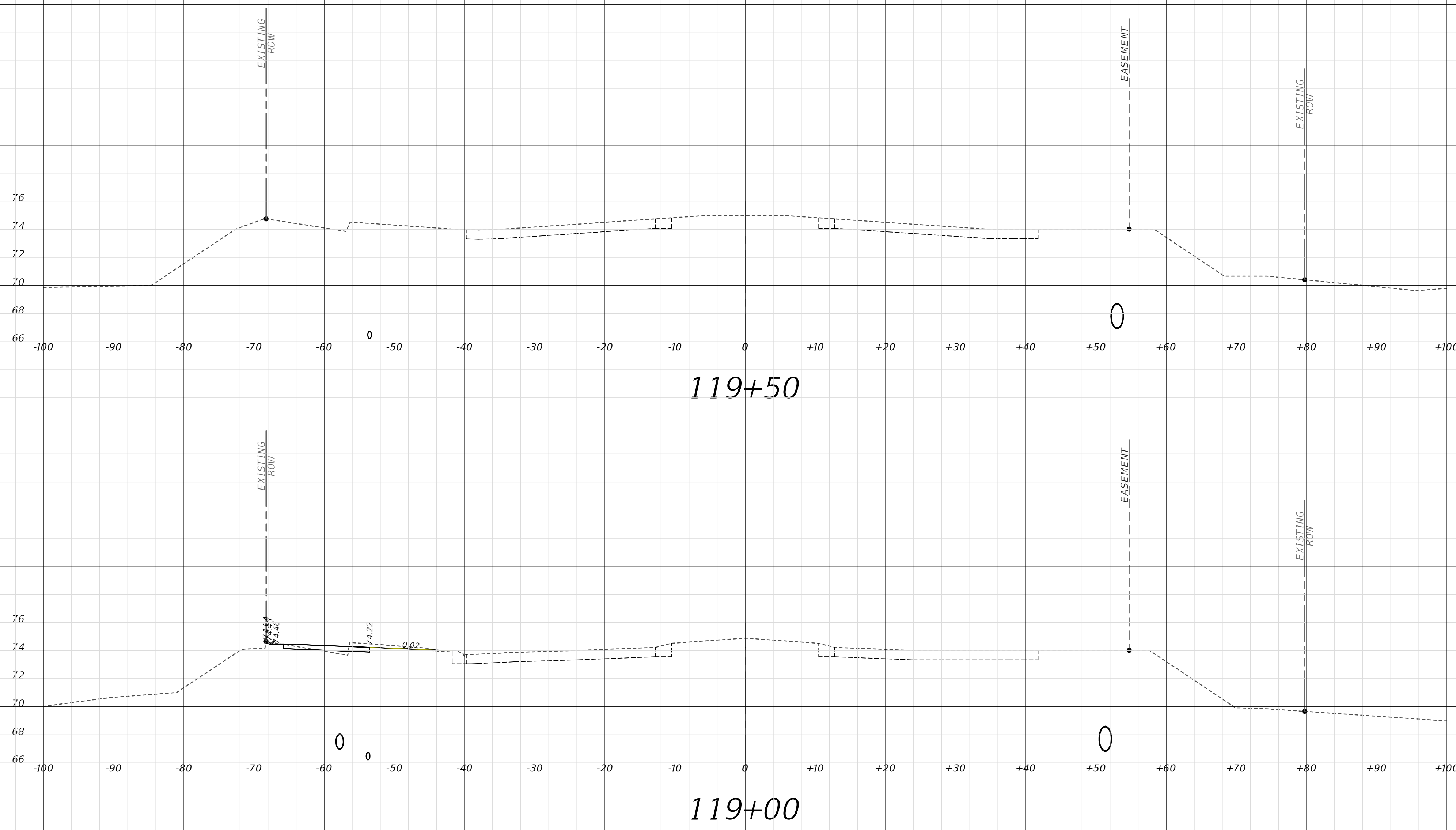
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING

CROSS SECTIONS

SHEET
 NO.

163



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P.E. NO. 004049
DATE: September 27, 2021

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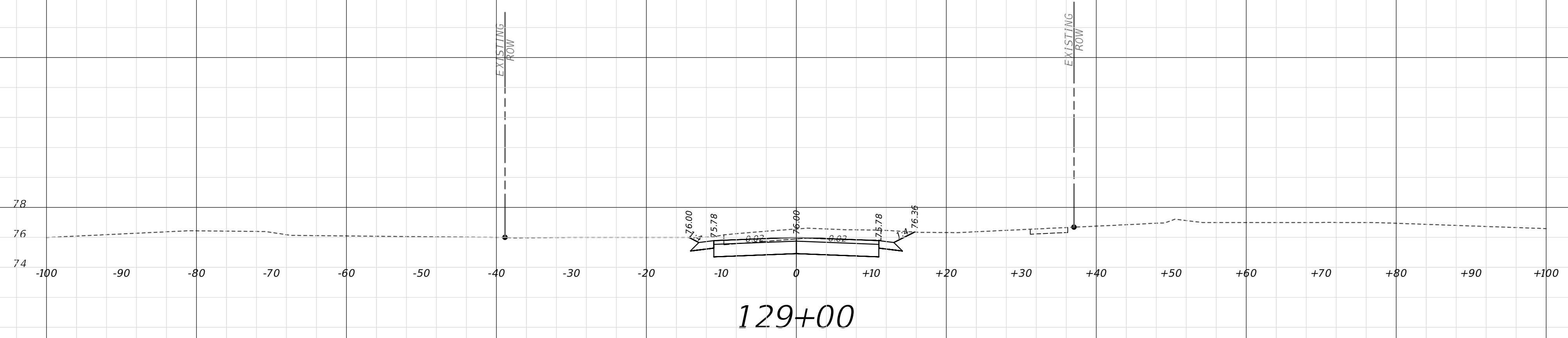
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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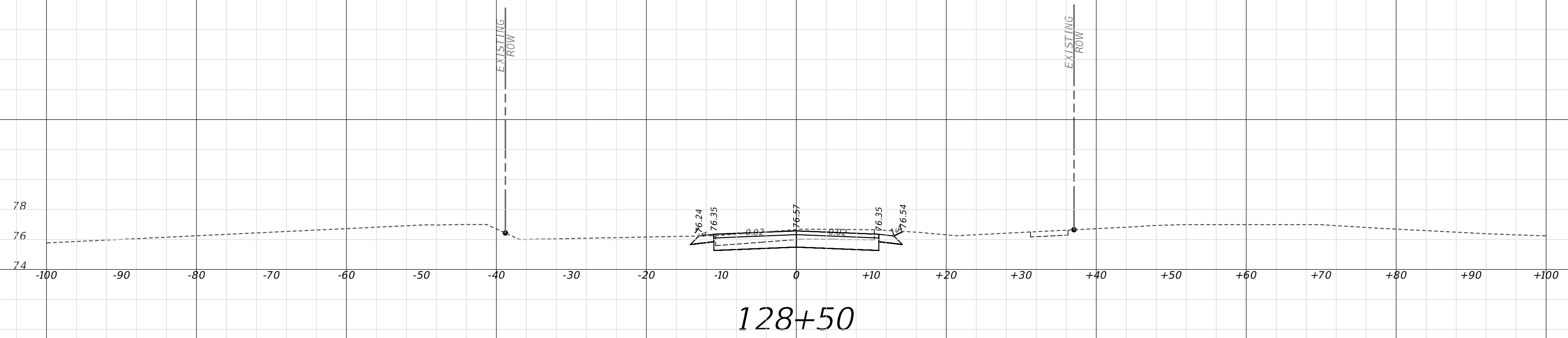
OSCEOLA COUNTY
PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ZUNI ROAD CROSS SECTIONS

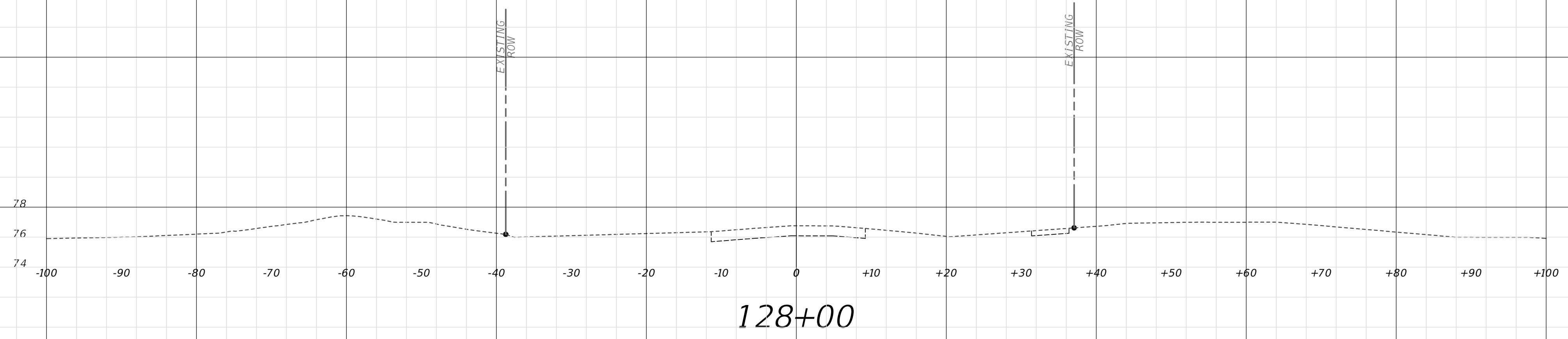
SHEET NO.
164



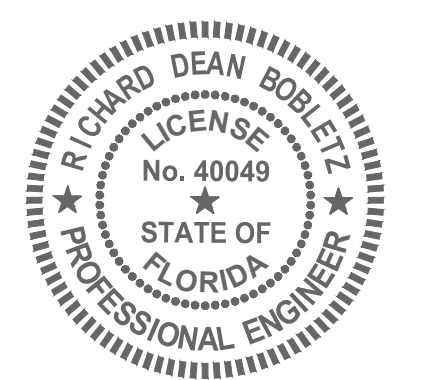
129+00



128+50



128+00



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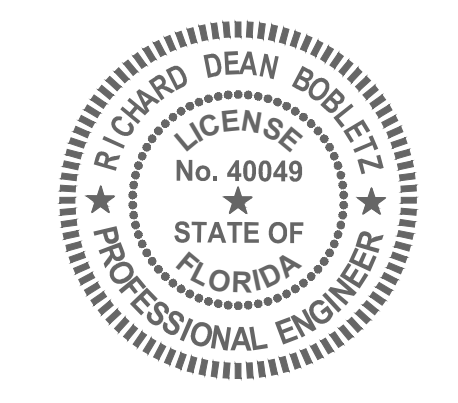
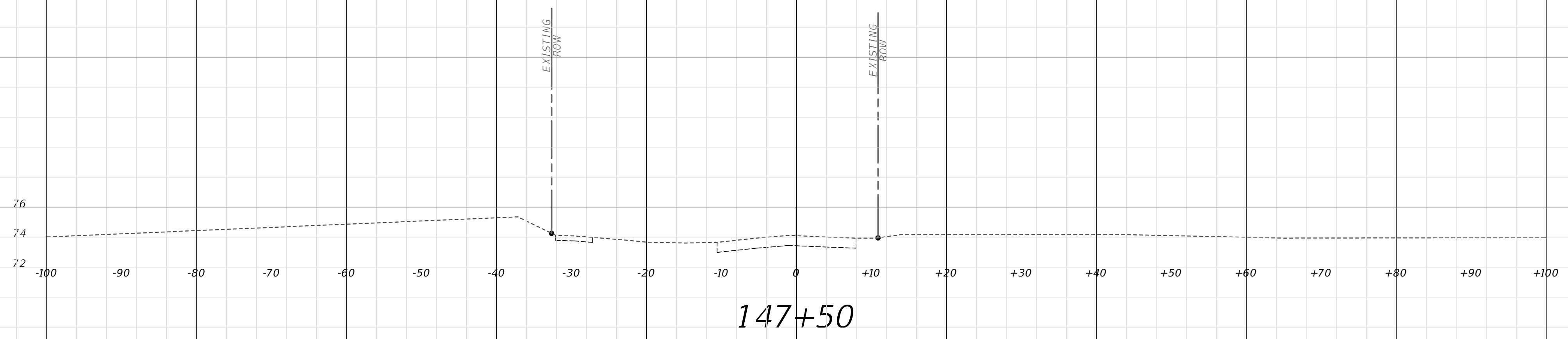
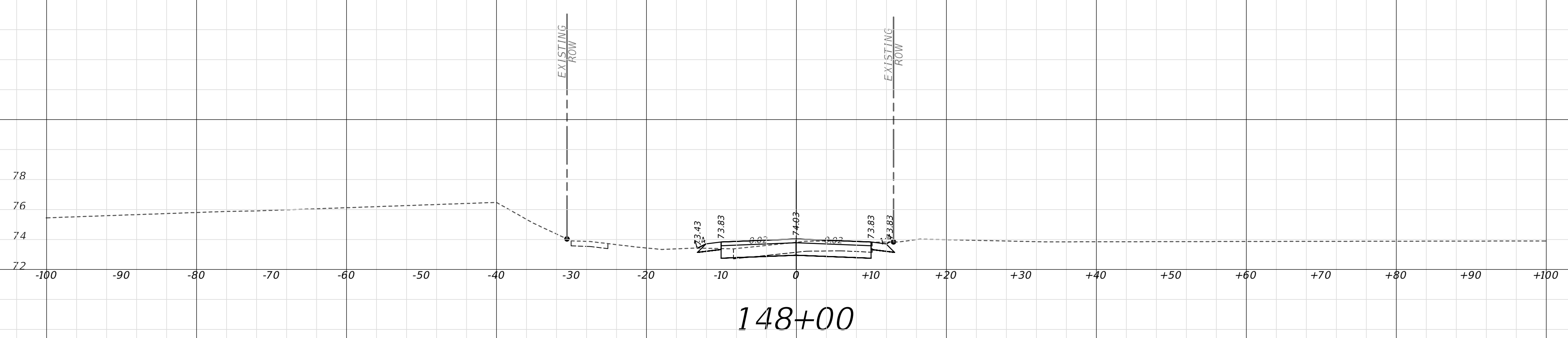
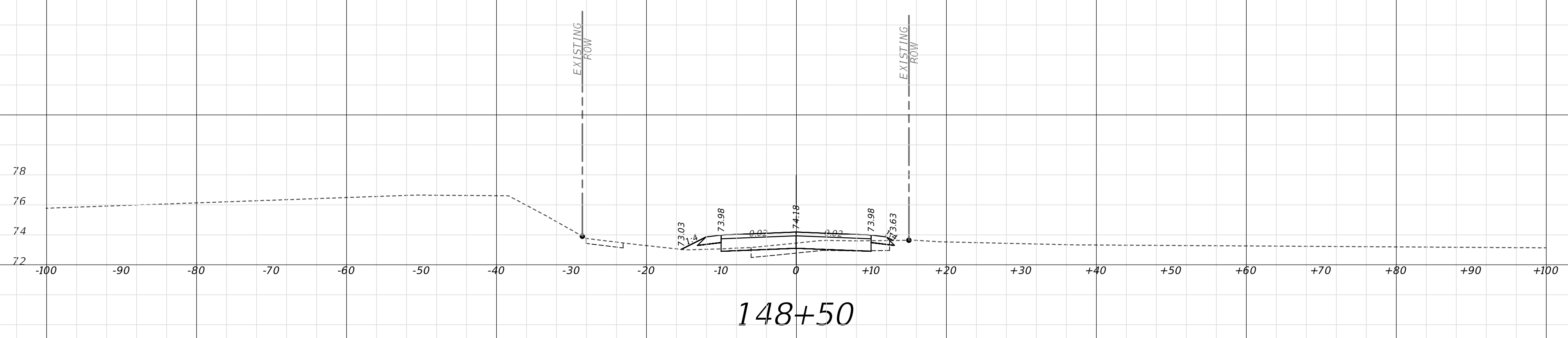
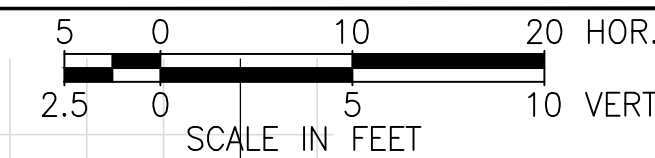
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
FRANKLIN ROAD CROSS SECTIONS

SHEET NO.
165



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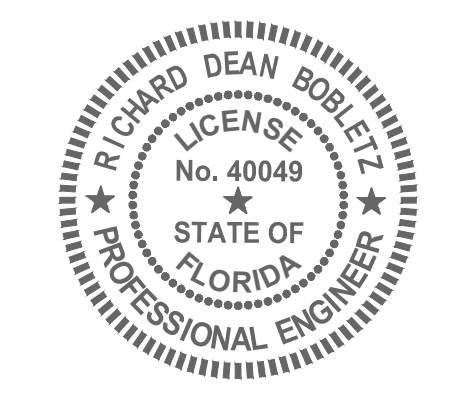
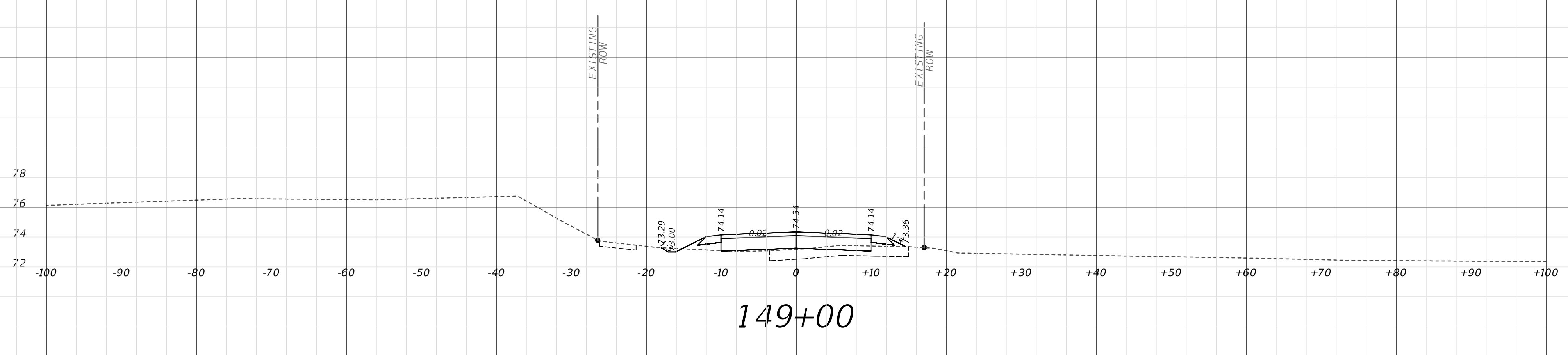
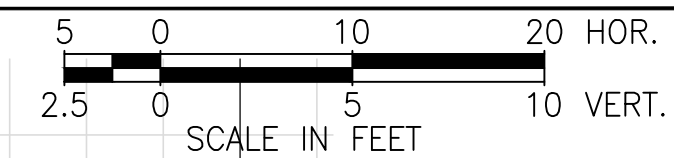
R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
FRANKLIN ROAD CROSS SECTIONS

SHEET NO.
166



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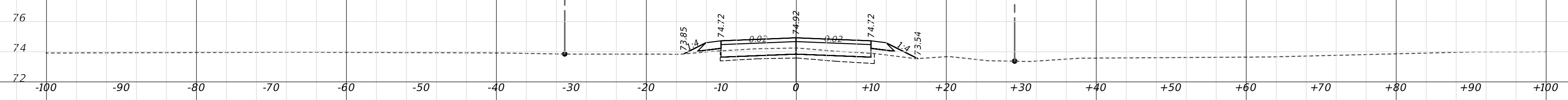
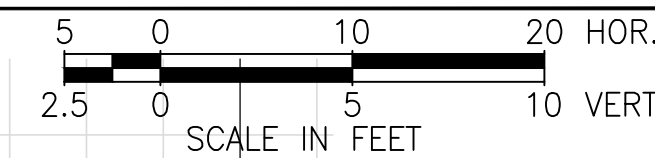
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DATE	DESCRIPTION	DATE	DESCRIPTION
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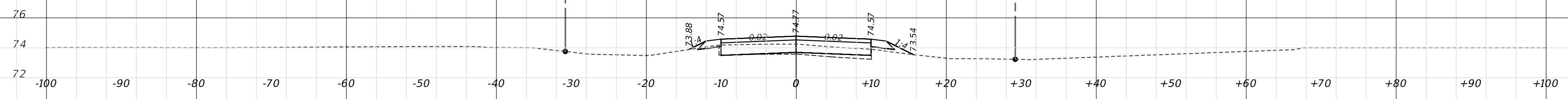
OSCEOLA COUNTY
 PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 ABSHER ROAD CROSS SECTIONS

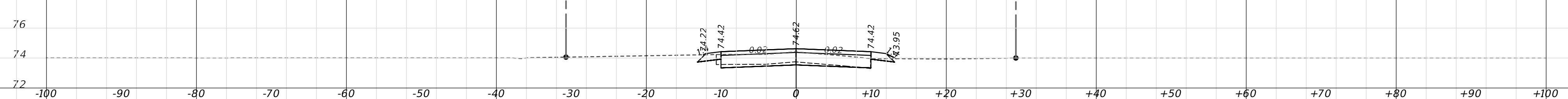
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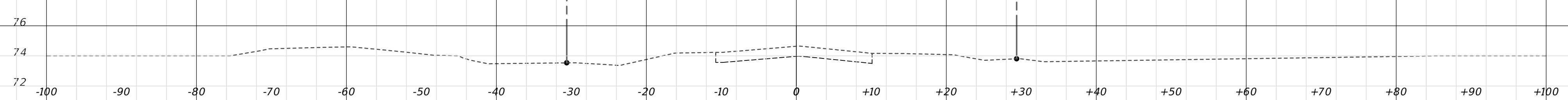
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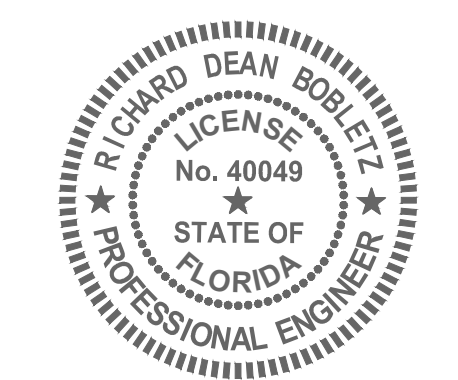
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197+50



197+20



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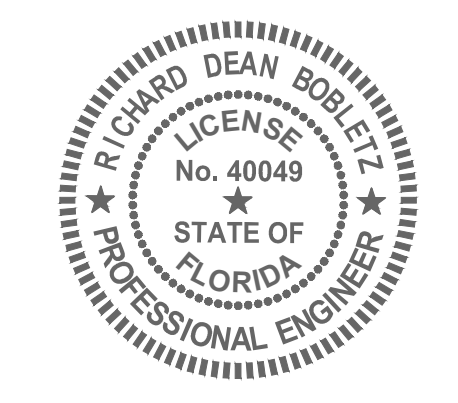
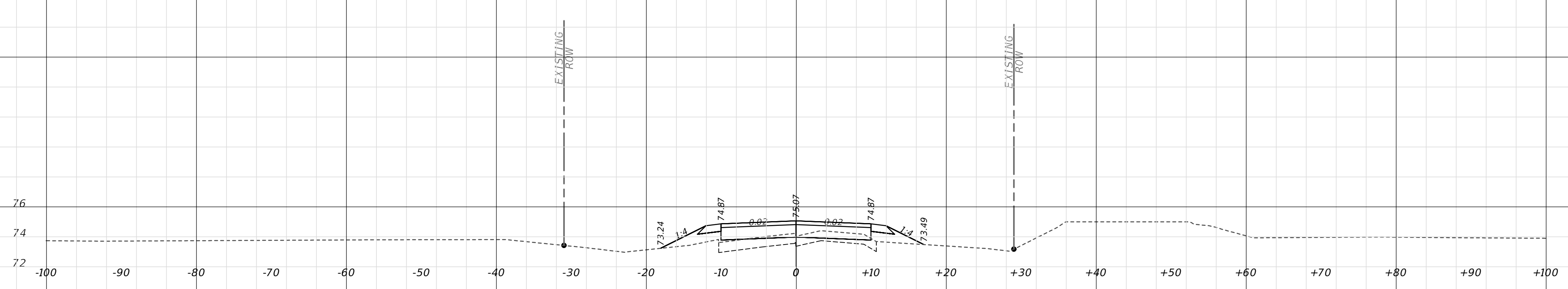
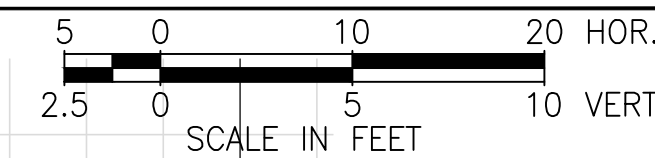
DATE	DESCRIPTION	DATE	DESCRIPTION
XX-XX-2021	INITIAL SUBMITTAL		

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PROJECT NO. (XXXX)

CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ABSHER ROAD CROSS SECTIONS

SHEET NO.
168



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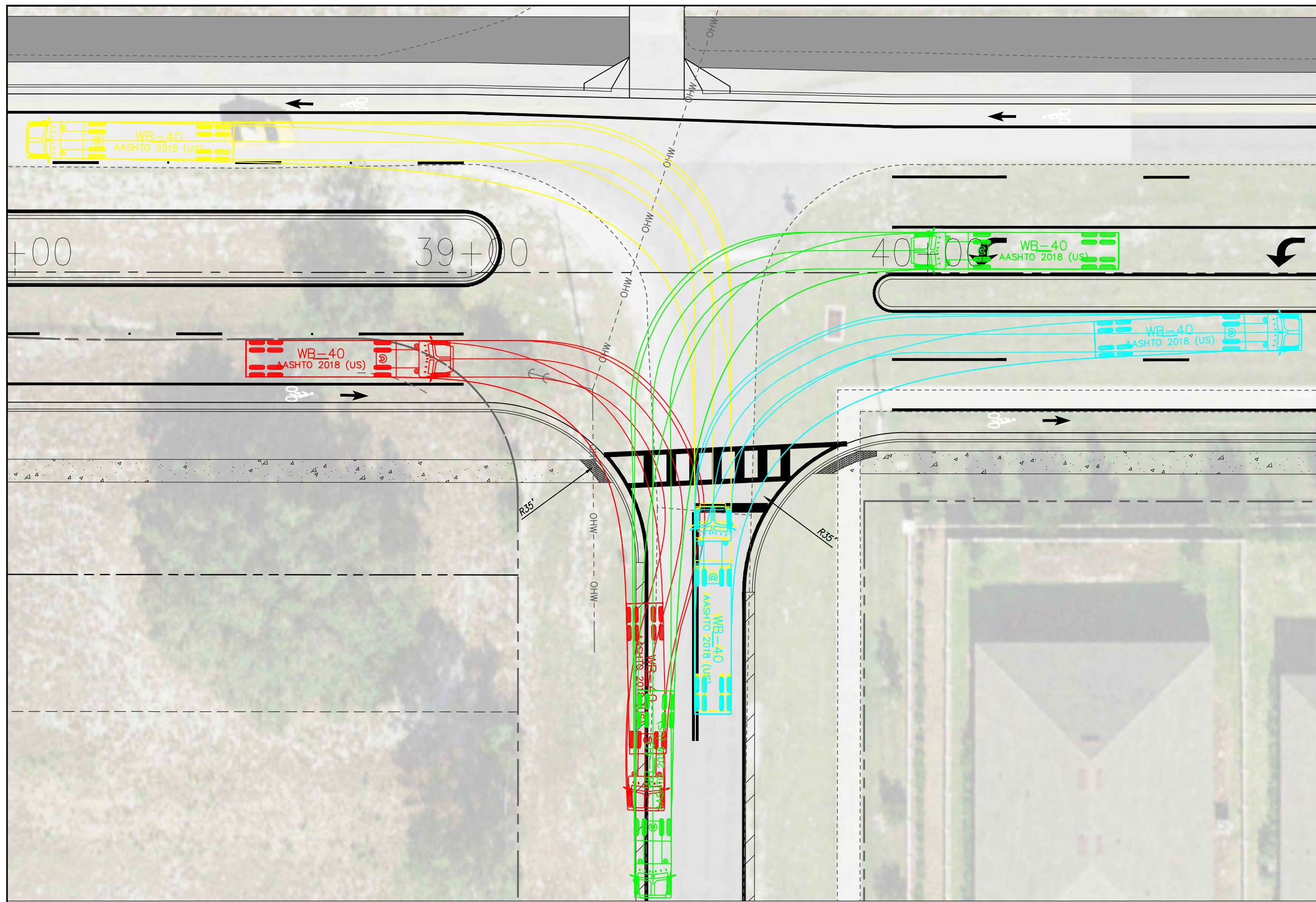
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Eng. Bus. No. 28567

OSCEOLA COUNTY
PROJECT NO. (XXXX)

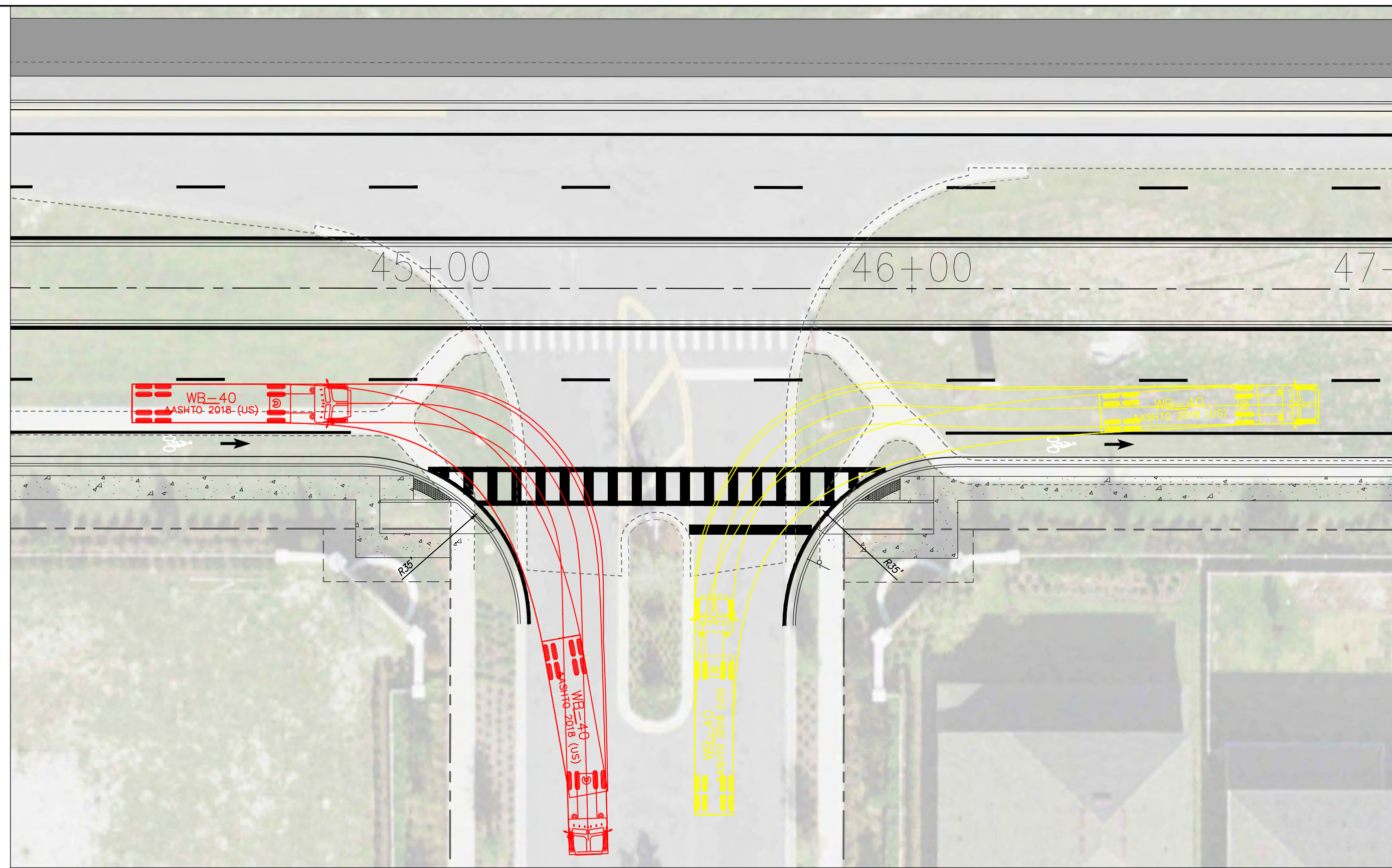
CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
ABSHER ROAD CROSS SECTIONS

SHEET
NO.

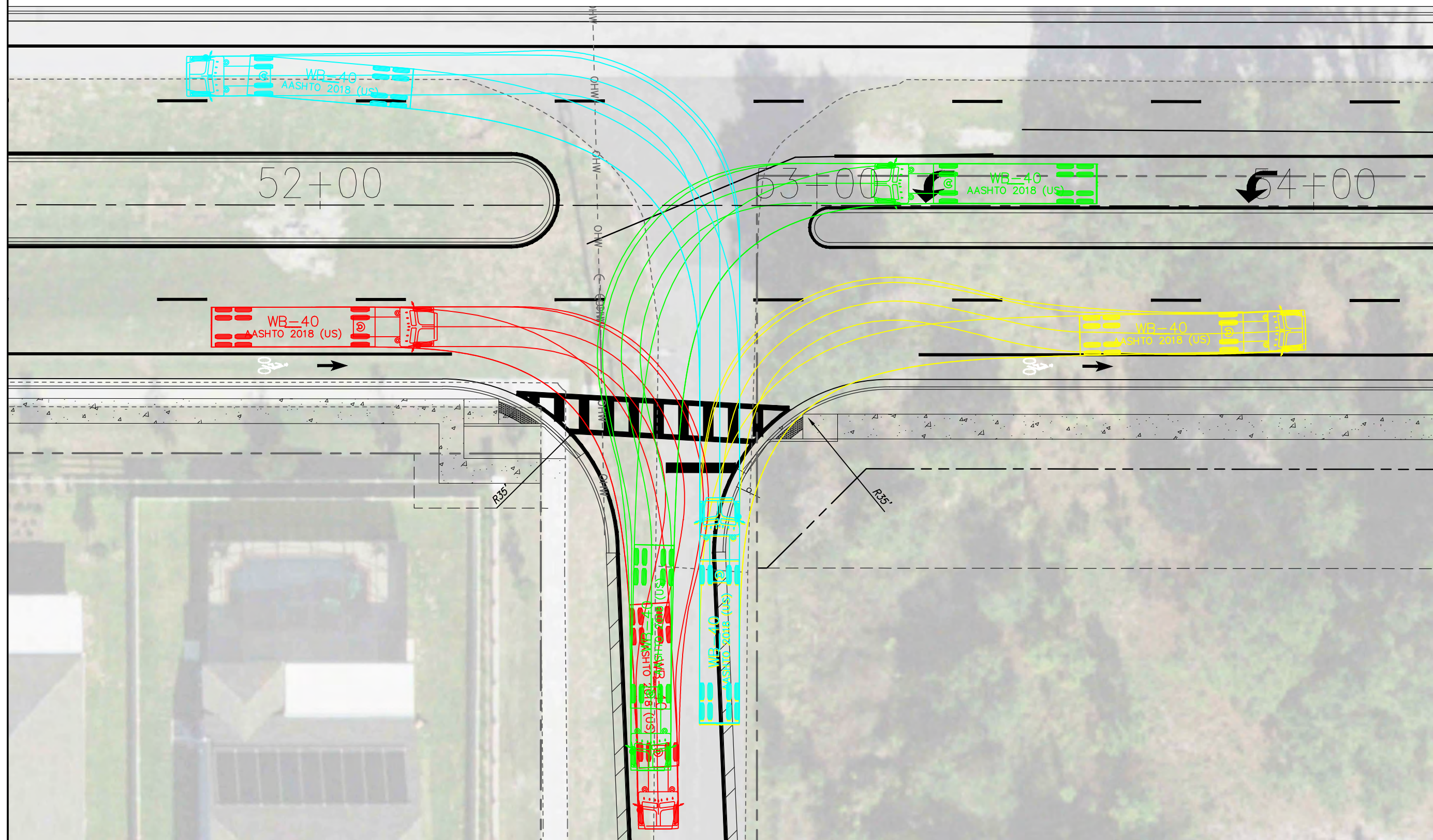
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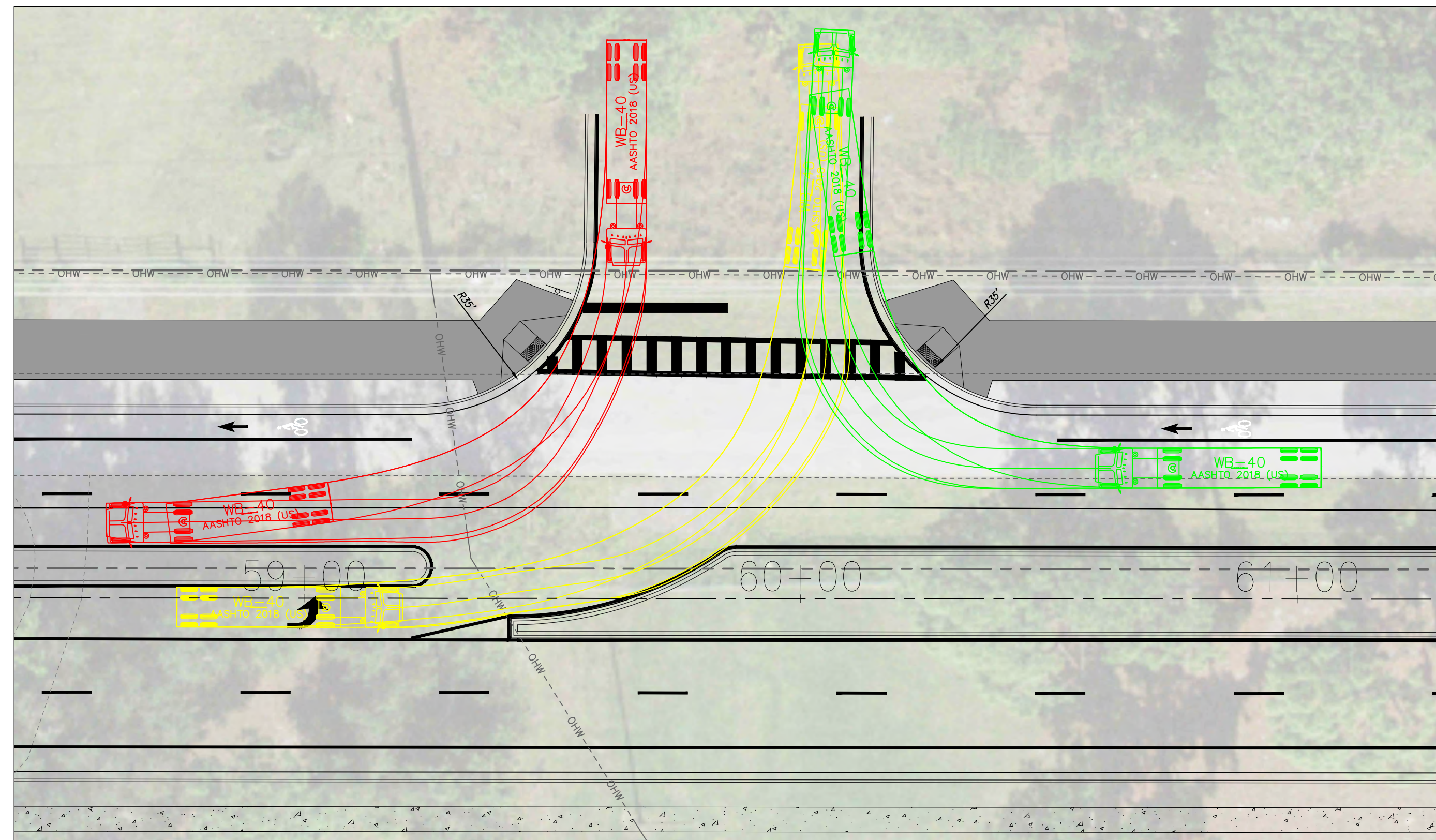
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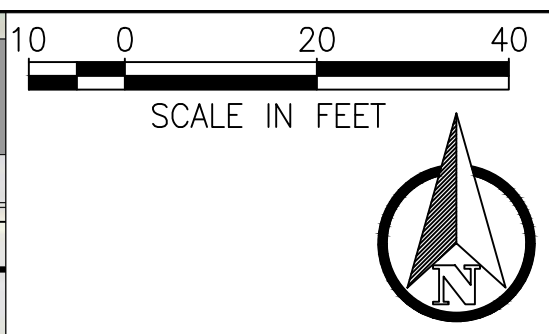
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FRANKLIN ROAD



ADDISON BOULEVARD



REVISIONS

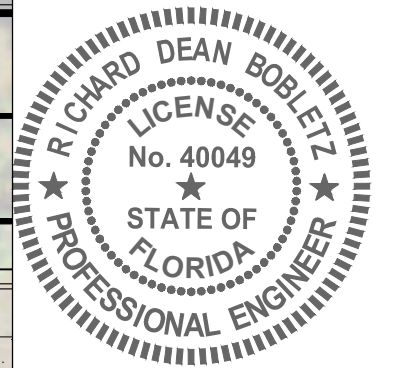
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



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OSCEOLA COUNTY
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CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING
 AUTOTURN ANALYSIS

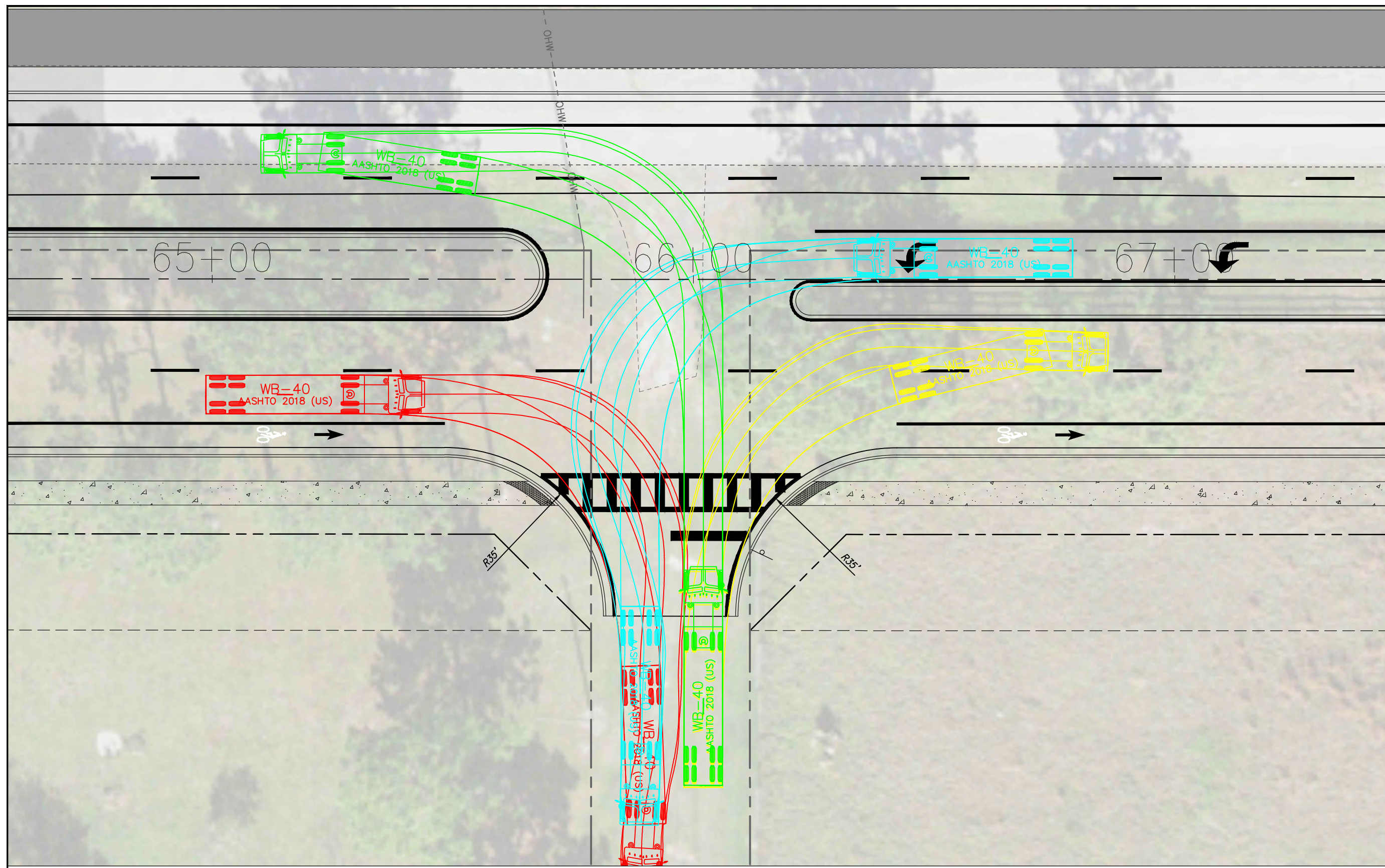
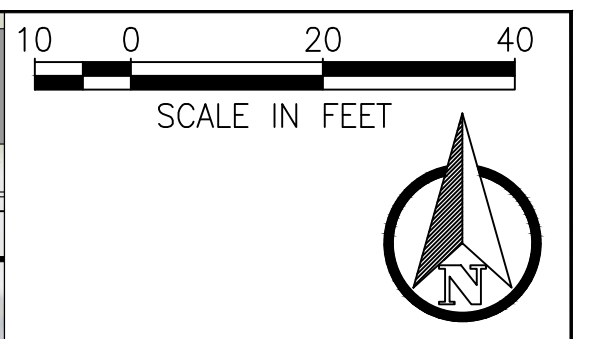


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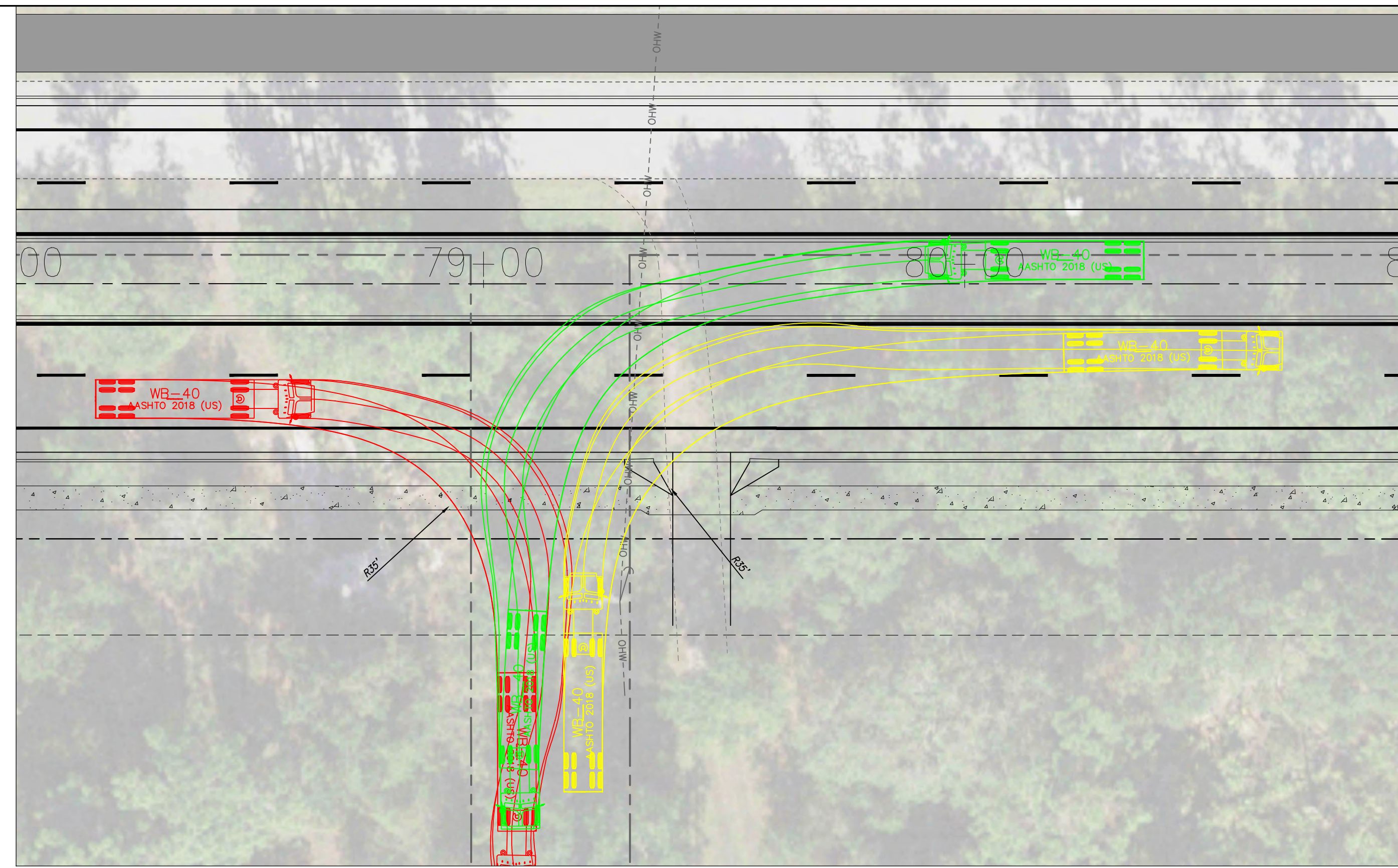
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170

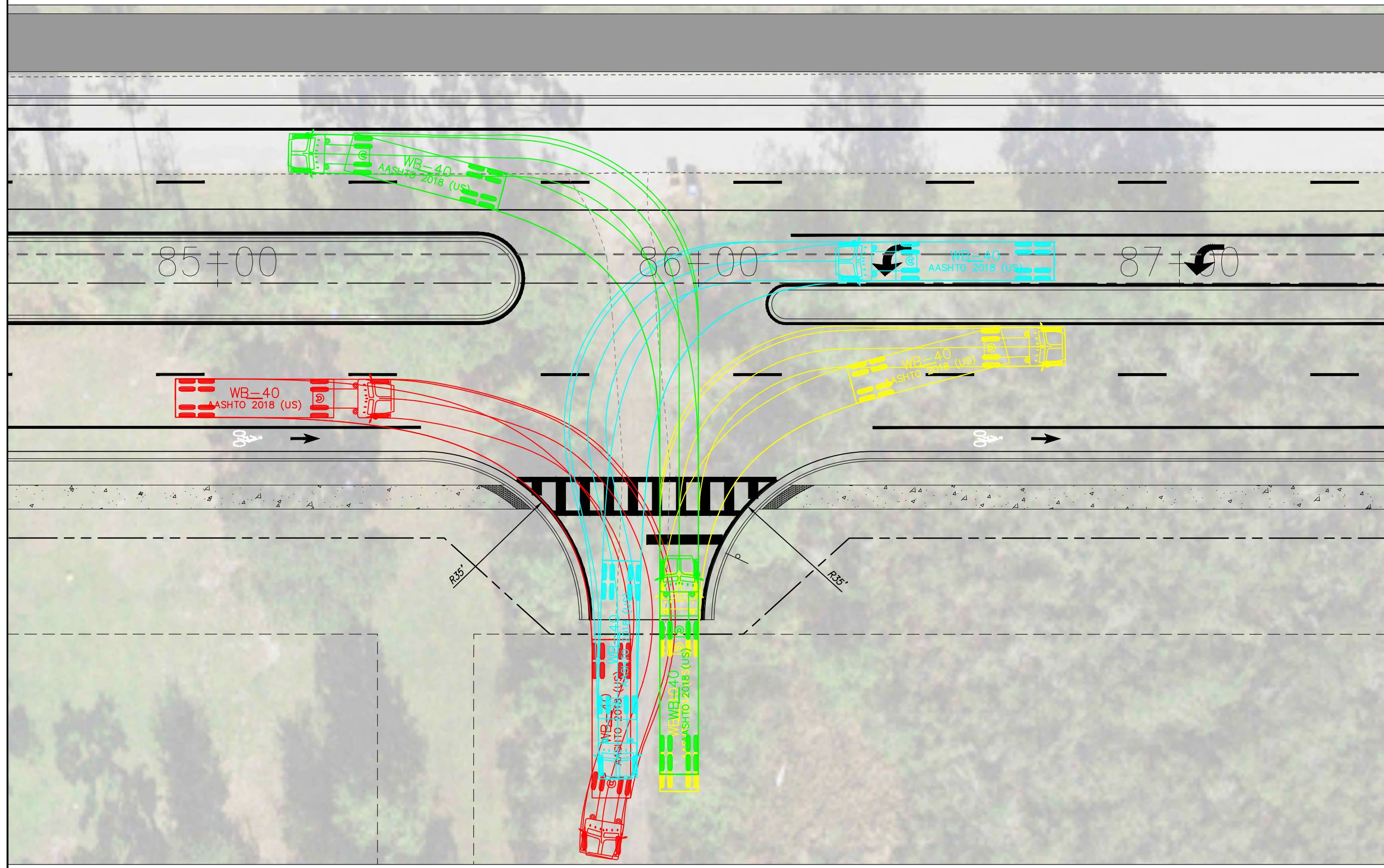
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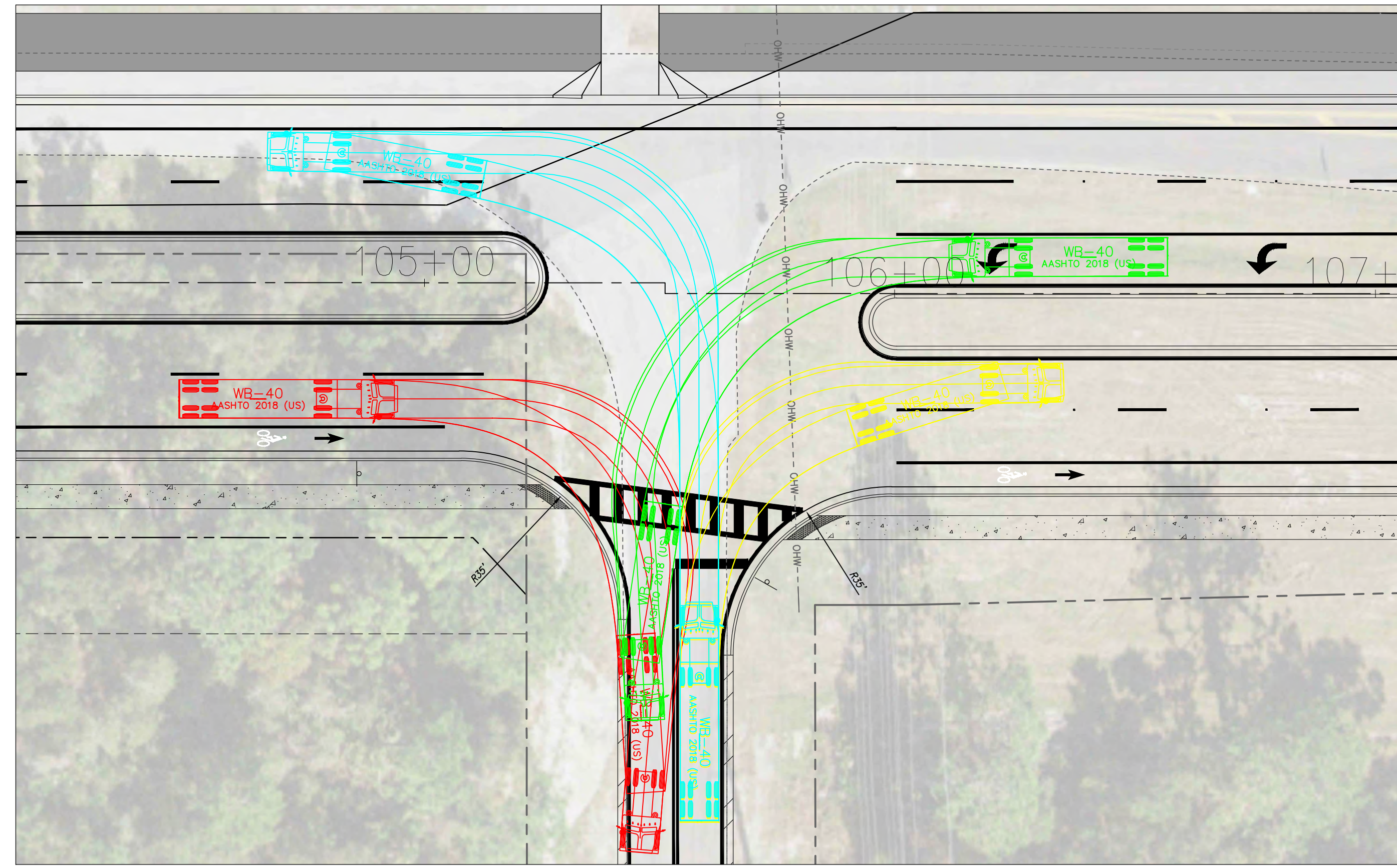
FUTURE CONNECTION #1



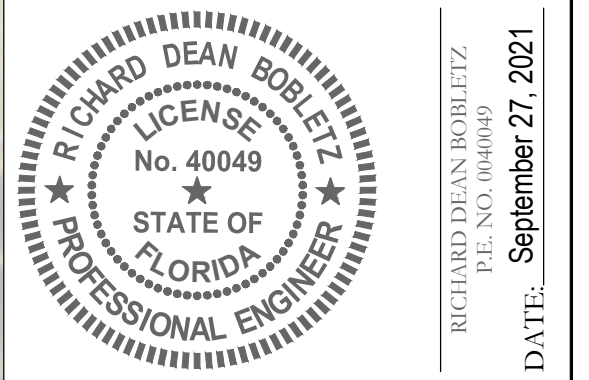
FUTURE CONNECTION #2



MCMICHEAL ROAD



ABSHER ROAD



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**OSCEOLA COUNTY
PROJECT NO. (XXXX)**

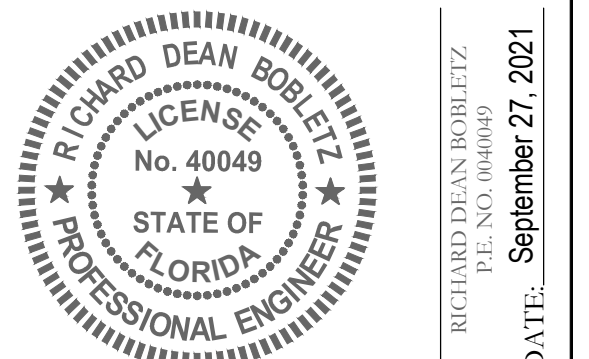
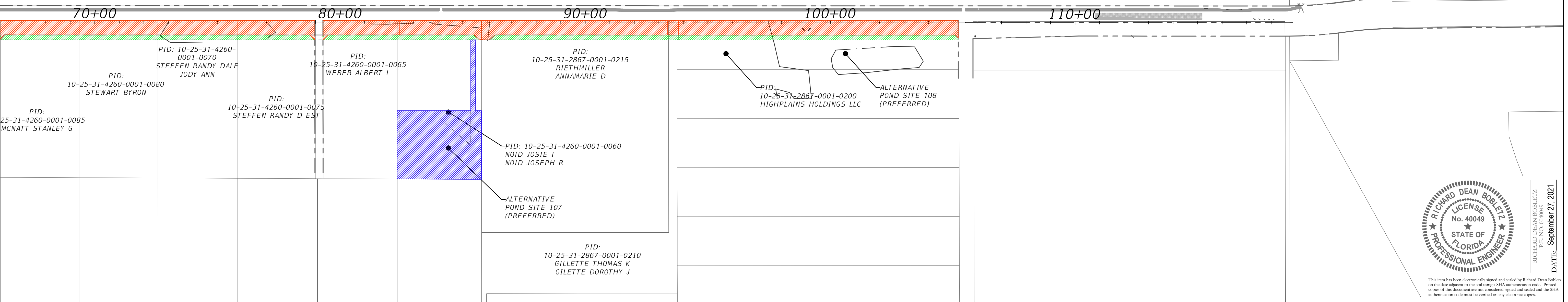
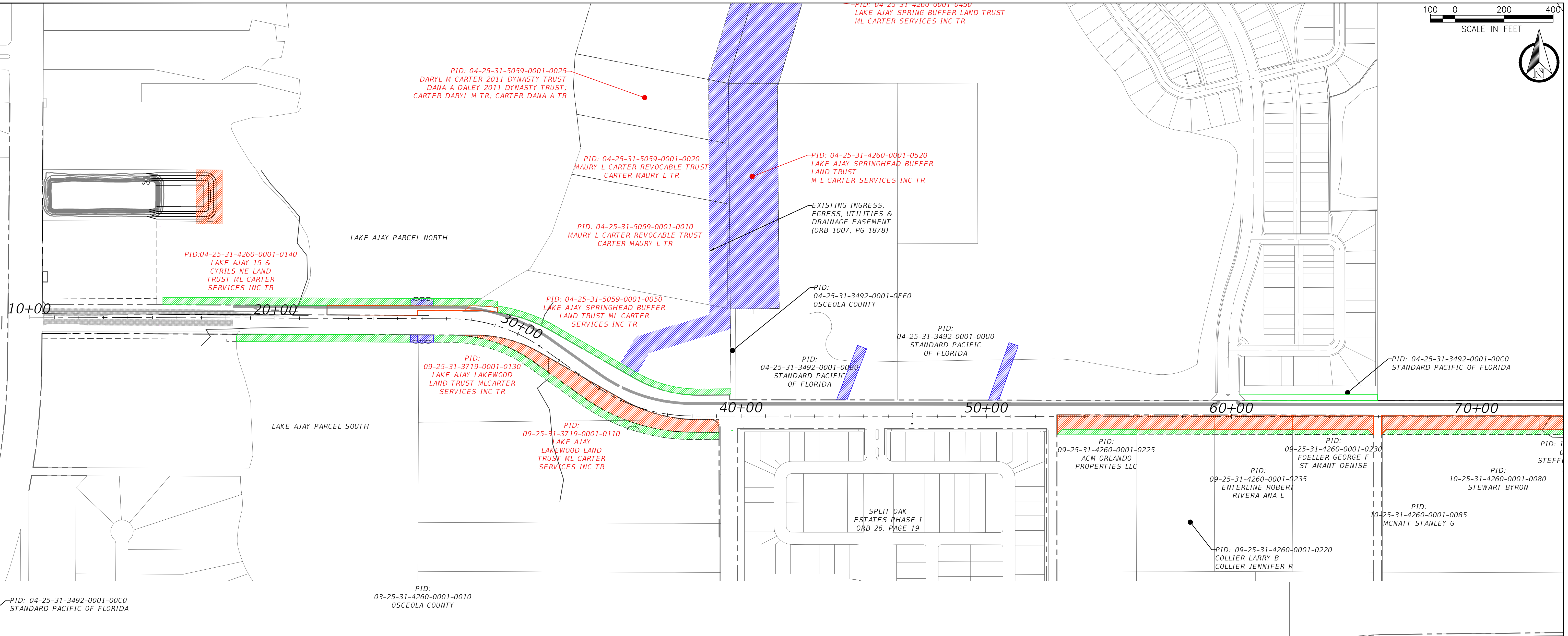
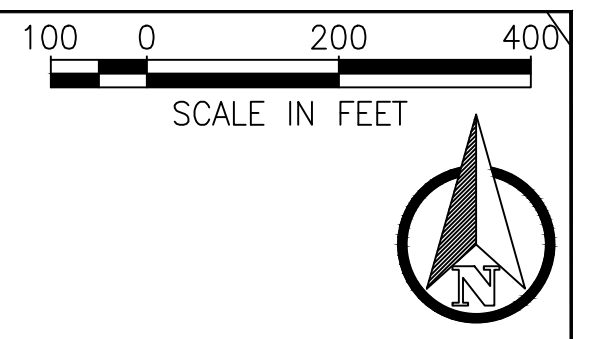
**CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING**

AUTOTURN ANALYSIS

SHEET NO.

171

Z:\2017\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-04208-CD&M-TRUCK-TURN



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09-XX-2021	60% SUBMITTAL		

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PROJECT NO. (XXXX)

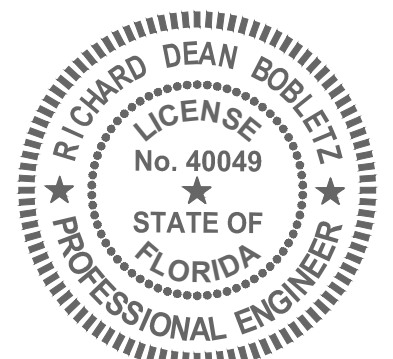
CYRILS DRIVE / NARCOOSSEE ROAD TO
ABSHER ROAD - ROAD WIDENING
RIGHT OF WAY TAKES

SHEET NO.
172

Z:\2017\17-042-TAMISDCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-10208-CO&M-ROW

Cyrils Drive Road Widening Anticipated Right of Way Needs								
Parcel #	Owner Name	Impact Type &	R/W Take		Permanent Grading Easement Area		Permanent Drainage Easement Area	
			SQFT	Ac	SQFT	Ac	SQFT	Ac
04-25-31-3492-0001-0080	Standard Pacific of Florida	Roadway	N/A	N/A	49509.7	1.14	9250	0.21
04-25-31-3492-0001-00C0	Standard Pacific of Florida	Roadway	N/A	N/A	N/A	N/A	N/A	N/A
04-25-31-3492-0001-00U0	Standard Pacific of Florida	Roadway	N/A	N/A	N/A	N/A	3103.1	0.07
04-25-31-4260-0001-0140	Lake Ajay 15 & Cyrils NE Land Trust ML Carter Services Inc Tr	Pond (Partial)	N/A	N/A	16832	0.39	N/A	N/A
04-25-31-4260-0001-0360	Lake Ajay Springhead Buffer Land Trust ML Carter Services Inc Tr	Pond (Partial)	N/A	N/A	N/A	N/A	83553	1.92
04-25-31-4260-0001-0450	Lake Ajay Springhead Buffer Land Trust ML Carter Services Inc Tr	Pond (Partial)	N/A	N/A	N/A	N/A	136553	3.13
04-25-31-4260-0001-0520	Lake Ajay Springhead Buffer Land Trust ML Carter Services Inc Tr	Pond (Partial)	N/A	N/A	N/A	N/A	183517.3	4.21
04-25-31-5059-0001-0030	Poitras James W Poitras Patricia T	Pond (Partial)	N/A	N/A	N/A	N/A	94409	0.40
04-25-31-5059-0001-0010	Maury L Carter Revocable Trust Carter Maury L TR		N/A	N/A	N/A	N/A	29946.2	0.69
04-25-31-5059-0001-0020	Maury L Carter Revocable Trust Carter Maury L TR		N/A	N/A	N/A	N/A	17282.3	0.40
04-25-31-5059-0001-0025	Daryl M Carter 2011 Dynasty Trust Dana Daley 2011 Dynasty Trust; Carter Daryl M TR; Carter Dana A TR		N/A	N/A	N/A	N/A	17338.2	0.40
04-25-31-5059-0001-0050	Lake Ajay Springhead Buffer Land Trust ML Carter Services Inc Tr	Roadway (Partial)	2350.0	0.05	28060.0	0.64	53365.3	1.23
09-25-31-3719-0001-0110	Lake Ajay Lakewood Land Trust ML Carter Services Inc Tr	Pond & Roadway	14887.2	0.34	12835.1	0.29	N/A	N/A
09-25-31-3719-0001-0130	Lake Ajay Lakewood Land Trust ML Carter Services Inc Tr	Roadway	42523.8	0.98	24489.6	0.56	2286.5	0.05
09-25-31-4260-0001-0220	Collier Larry B, Collier Jennifer R	Roadway	18727.9	0.43	6346.0	0.15	900.0	0.02
09-25-31-4260-0001-0225	ACM Orlando Properties LLC	Roadway (Partial)	19248.0	0.44	6436.1	0.15	N/A	N/A
09-25-31-4260-0001-0230	Foeller George F, St Amant Denise	Roadway	19649.2	0.45	6398.4	0.15	N/A	N/A
09-25-31-4260-0001-0235	Enterline Robert, Rivera Ana L	Roadway	18734.7	0.43	6439.8	0.15	N/A	N/A
10-25-31-2867-0001-0200	High Plains Holdings LLC	Pond (Full)	67329.8	1.55	22736.5	0.52	N/A	N/A
10-25-31-2867-0001-0210	Gillete Thomas K, Gillette Dorothy J	Roadway	2065.0	0.05	700.0	0.02	N/A	N/A
10-25-31-2867-0001-0215	Riethmiller Annamaria D Versfeld Zina Cynthia Versfeld Geraldine Corton	Roadway (Partial)	45803.1	1.05	14319.0	0.33	900	0.02
10-25-31-4260-0001-0060	Noid Josie I, Noid Joseph R	Pond (Full)	20730.8	0.48	6500.1	0.48	101942.7	2.34
10-25-31-4260-0001-0065	Weber Albert L	Roadway	18062.9	0.41	5854.1	0.13	N/A	N/A
10-25-31-4260-0001-0070	Steffan Jody Ann	Roadway (Partial)	19217.6	0.44	6514.7	0.15	N/A	N/A
10-25-31-4260-0001-0075	Steffan Randy D Est	Roadway (Partial)	18741.6	0.43	6090.6	0.14	N/A	N/A
10-25-31-4260-0001-0080	Stewart Byron	Roadway (Partial)	18974.9	0.44	6432.3	0.15	N/A	N/A
10-25-31-4260-0001-0085	McNatt Stanley G, McNatt Mary G	Roadway	19320.2	0.44	6279.7	0.14	N/A	N/A
² LAKE AJAY PARCEL SOUTH	Osceola County	Roadway	N/A	N/A	21256.0	0.49	848	0.019
² LAKE AJAY PARCEL NORTH	Osceola County	Roadway	23073	0.52968	17827.9	0.41	2780	0.06

²Osceola County Property Appraiser shows no PID for these parcels.
³Area shown is cumulative Permanent Drainage Easement area.



This form has been electronically signed and sealed by Richard Dean Bobletz on the date adjacent to the seal using a SFA authentication code. Printed copies of this document are not considered signed and sealed and the SFA authentication code must be verified on any electronic copies.

RICHARD DEAN BOBLETZ
 LICENSE No. 40049
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: September 27, 2021

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
08-23-2021	50% SUBMITTAL		
09-XX-2021	60% SUBMITTAL		



Poulos & Bennett, LLC
 2602 E. Livingston St., Orlando, FL 32803
 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

OSCEOLA COUNTY
 PROJECT NO. (XXXX)

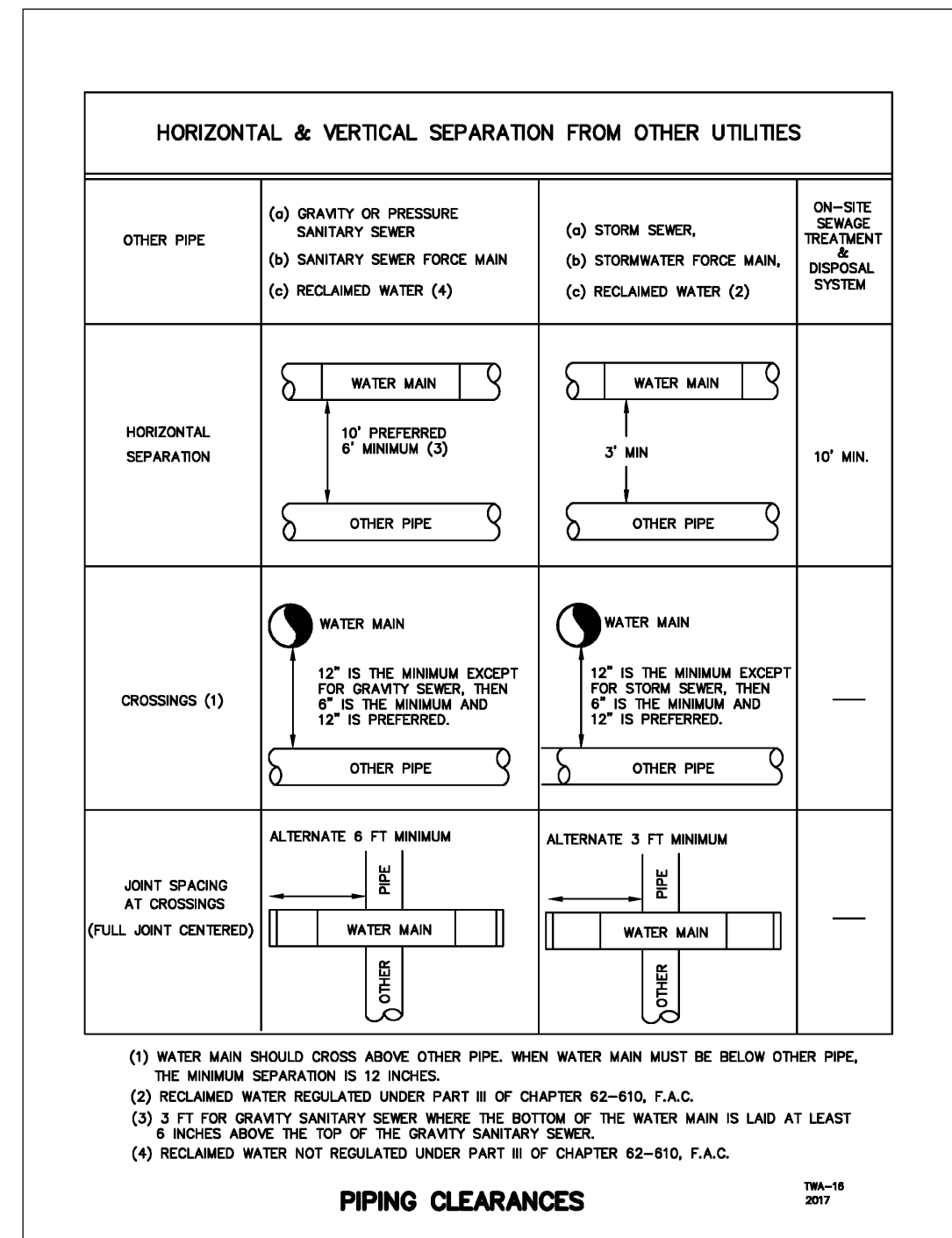
CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING

RIGHT OF WAY TAKES

SHEET NO.
 173

Z:\2017\17-042 TAVISDOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-00208-CD&M-ROW

Z:\2017\17-042-TWISTOCK - SUNBRIDGE\CYRILS DR\NARCOOSSEE TO ABSHER\CAD\FINAL\COUNTY\17042-04208-CD&M-TW01LS



R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION
02-26-2021	30% SUBMITTAL		
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*CYRILS DRIVE / NARCOOSSEE ROAD TO
 ABSHER ROAD - ROAD WIDENING*

TWA DETAILS

SHEET
 NO.
 174