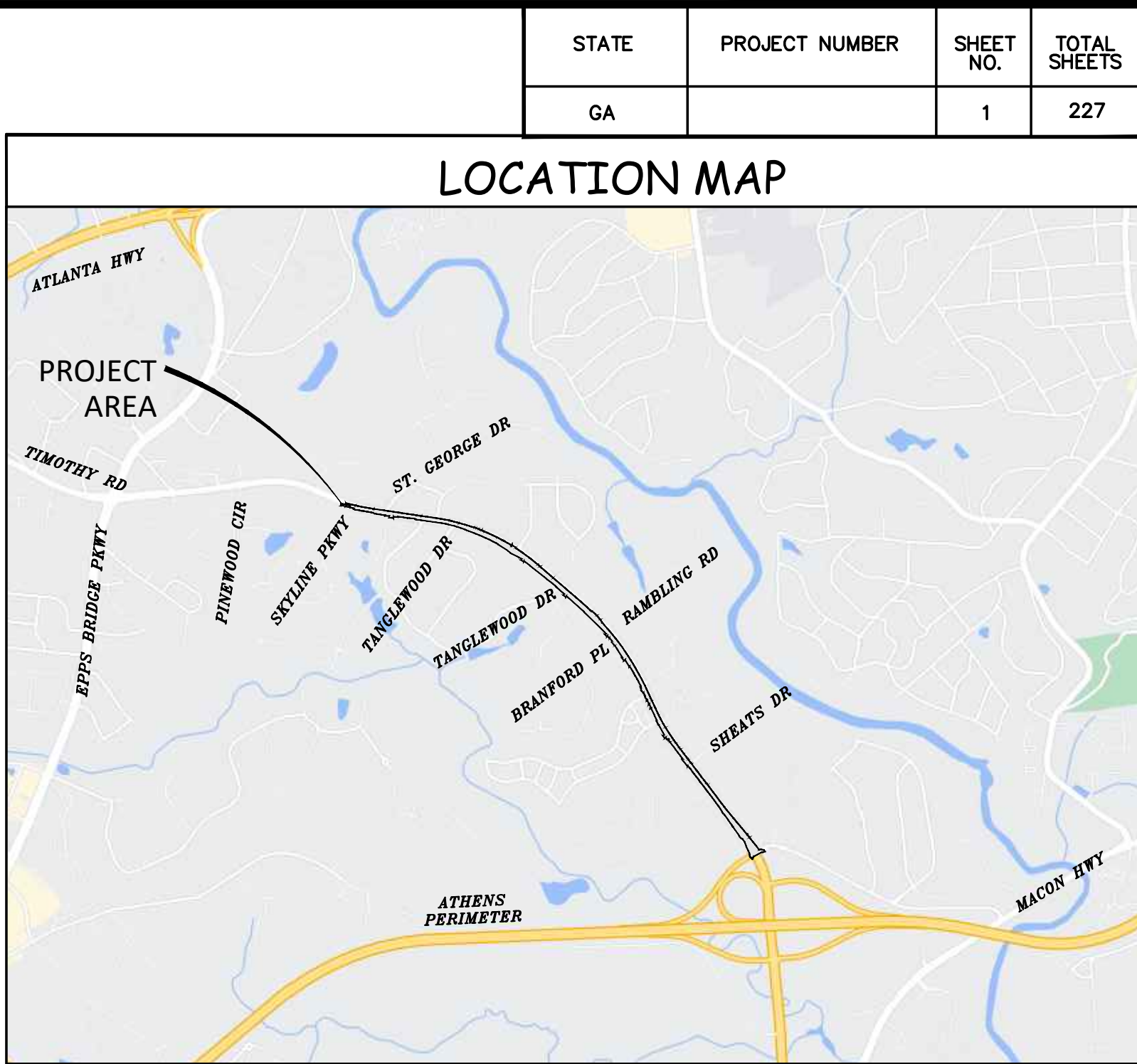
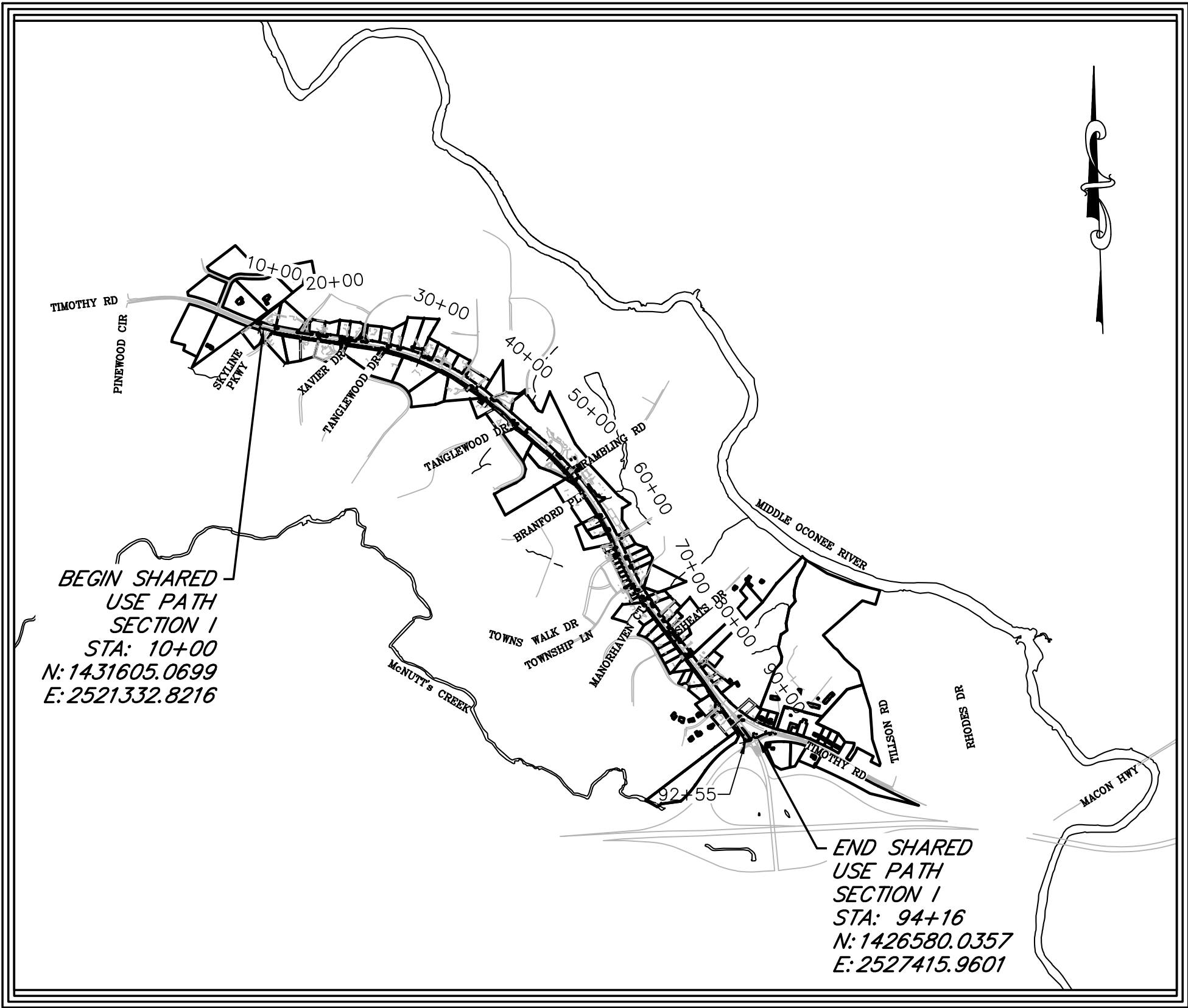


PROJECT DATA

LENGTH OF PROJECT	1.60 MILES	
	SIDEWALK	TOTAL
NET LENGTH OF MULTI-USE TRAIL	1.60	1.60
NET LENGTH OF BRIDGES	0.00	0.00
NET LENGTH OF PROJECT	1.60	1.60
NET LENGTH OF EXCEPTION	0.00	0.00
GROSS LENGTH OF PROJECT	1.60	1.60
PERCENT LENGTH OF PROJECT COUNTY	100%	
THIS PROJECT IS LOCATED WITHIN CONGRESSIONAL DISTRICT 10		
THIS PROJECT IS LOCATED WITHIN ATHENS-CLARKE COUNTY		

TIMOTHY ROAD
SHARED USE PATH
SECTION I
FOR
ATHENS-CLARKE COUNTY
TRANSPORTATION & PUBLIC WORKS



N.T.S.

DISTURBED AREA = 6.28 AC
A NOI IS REQUIRED

NOTE:
PROJECT TO BE CONSTRUCTED AS PER GEORGIA DOT STANDARD SPECIFICATIONS, 2021 EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

NOTE:
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", "GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA MEAN, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION AND/OR THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY.

Begin	Latitude	33.626500 N
	Longitude	83.421823 W
End	Latitude	33.918278 N
	Longitude	83.403456 W



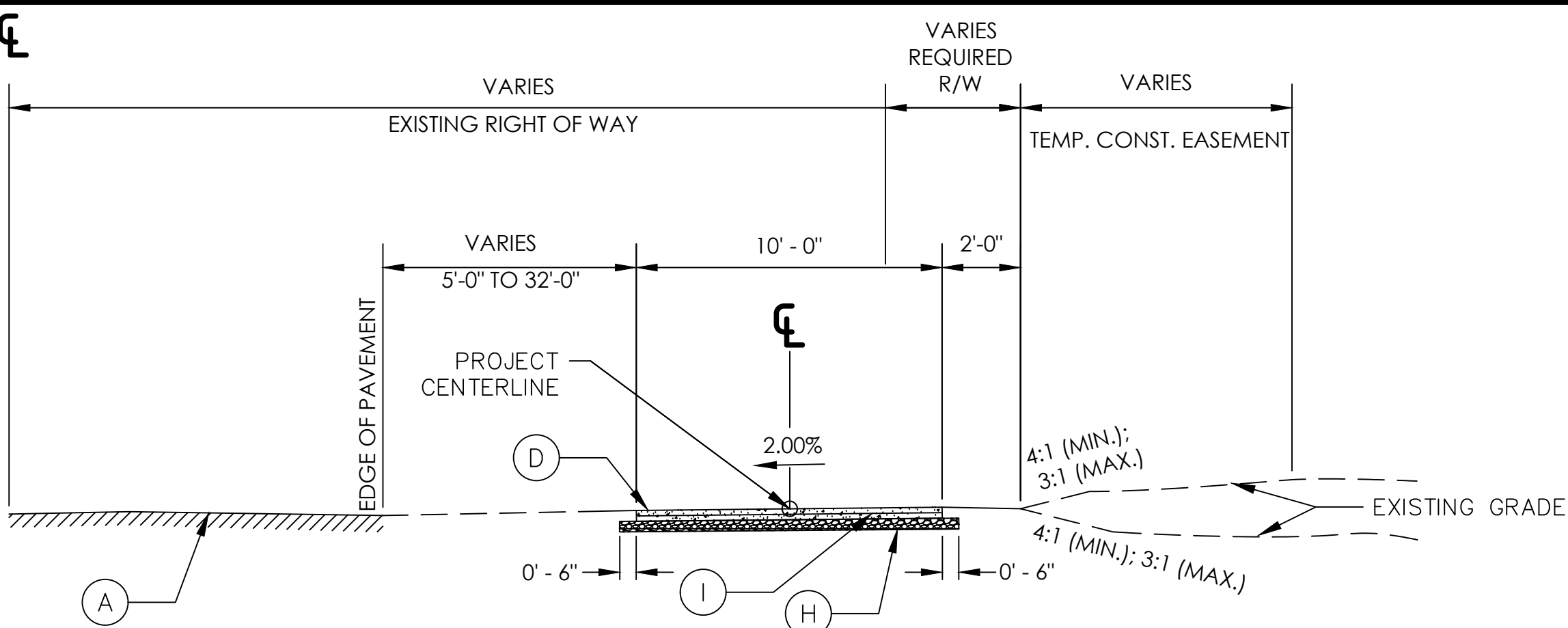
N.T.S.
Alfred Benesch & Company
1005 Broad Street, Suite 200 Augusta, GA 30901
P 706.722.4114 - www.benesch.com

OWNER
24 HR. CONTACT
ATHENS-CLARKE COUNTY
DEREK DOSTER
301 COLLEGE AVE., SUITE 101
ATHENS, GA. 30603
706-613-3025



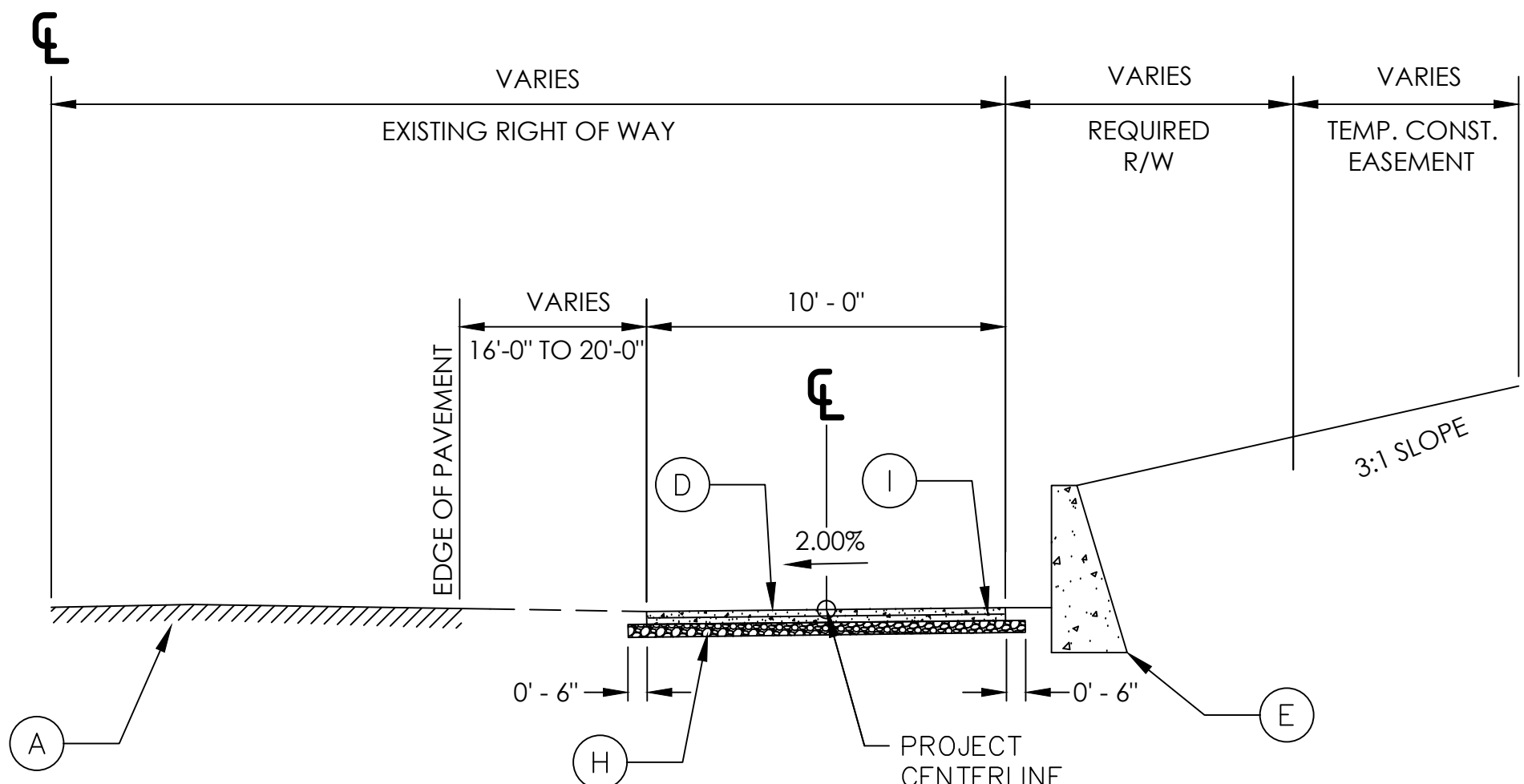
SUBMITTED BY VICTOR A. CONOVER

PLANS COMPLETED	MAY 31, 2024
REVISIONS	



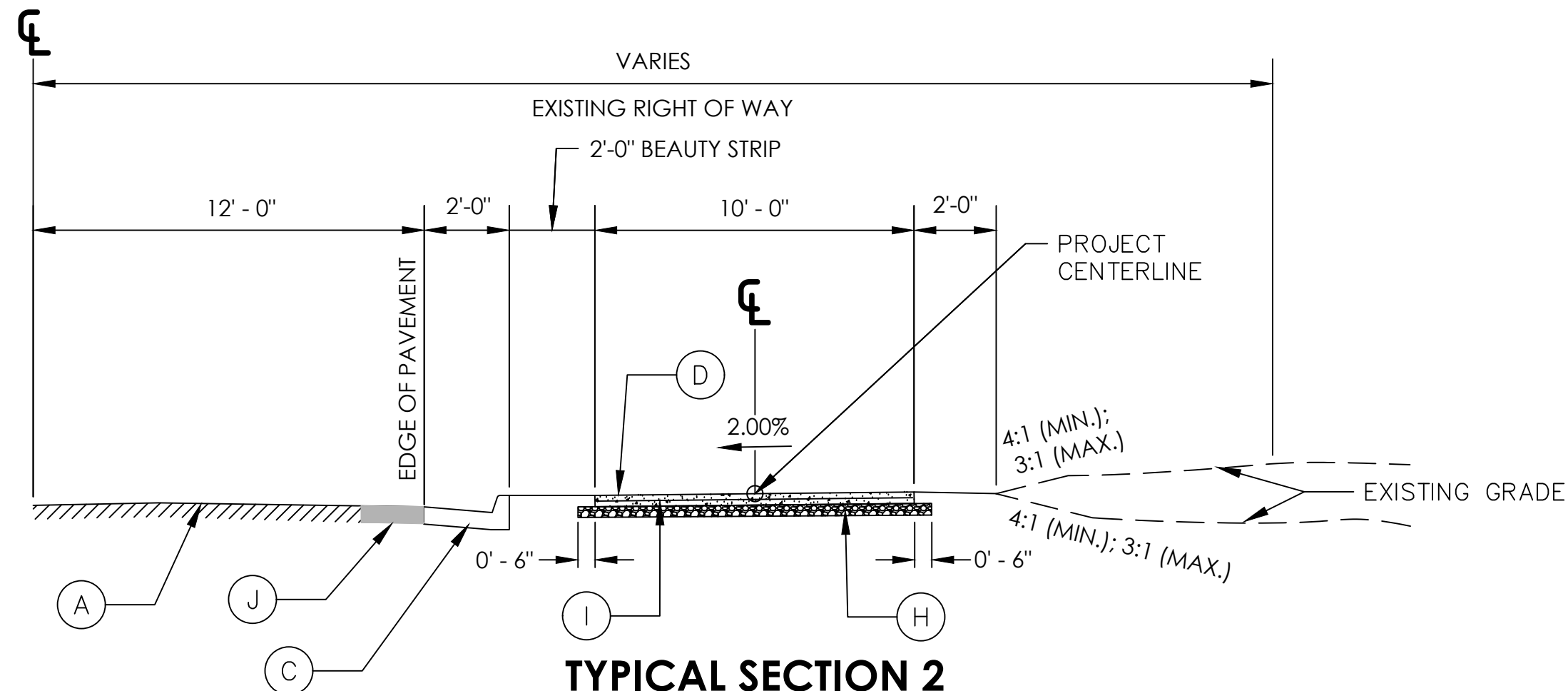
TYPICAL SECTION 1

TIMOTHY ROAD
STA 20+75 TO 35+03
STA 36+45 TO 37+02
STA 39+20 TO 39+33
STA 55+92 TO 59+43
STA 63+17 TO 63+49
STA 70+77 TO 72+00



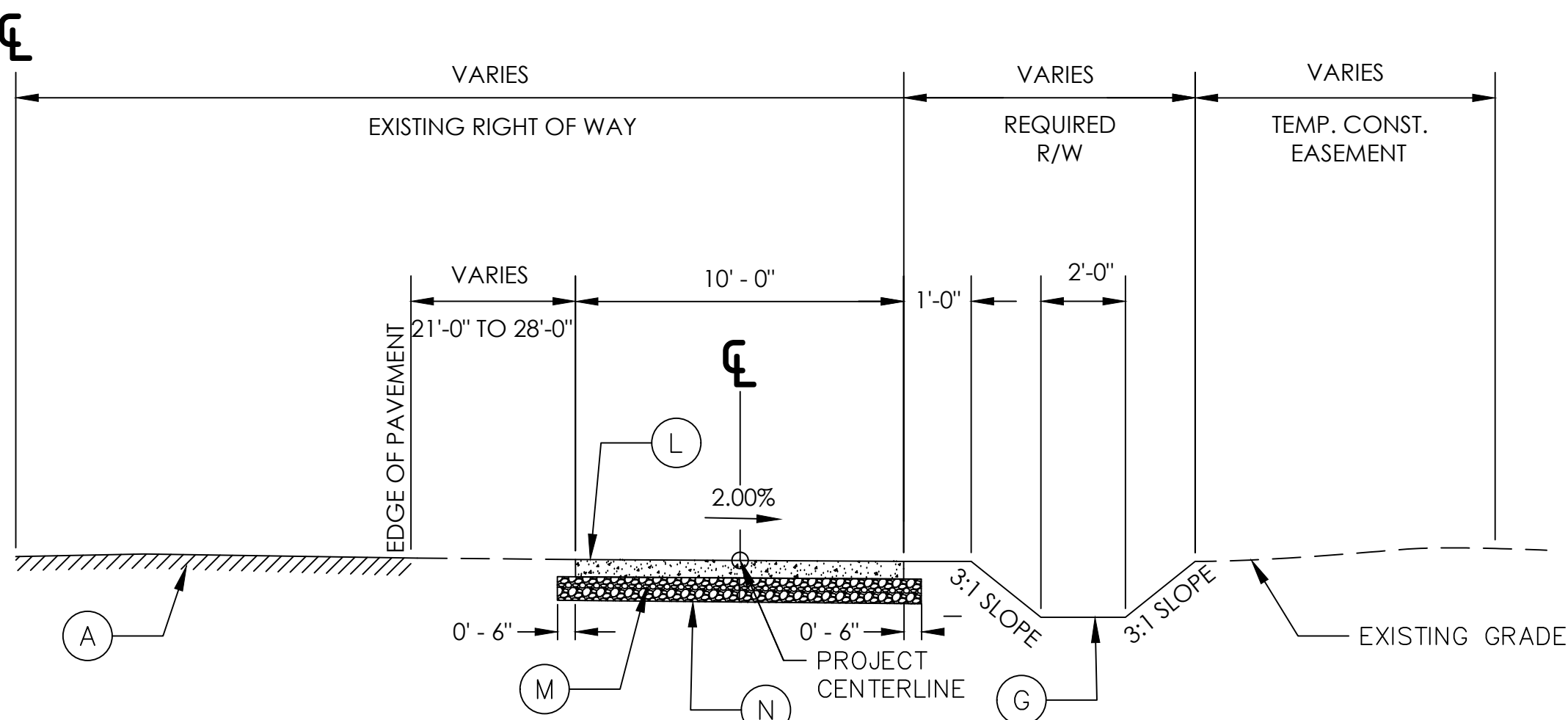
TYPICAL SECTION 4

TIMOTHY ROAD
STA 35+03 TO 36+45
STA 39+33 TO 41+26



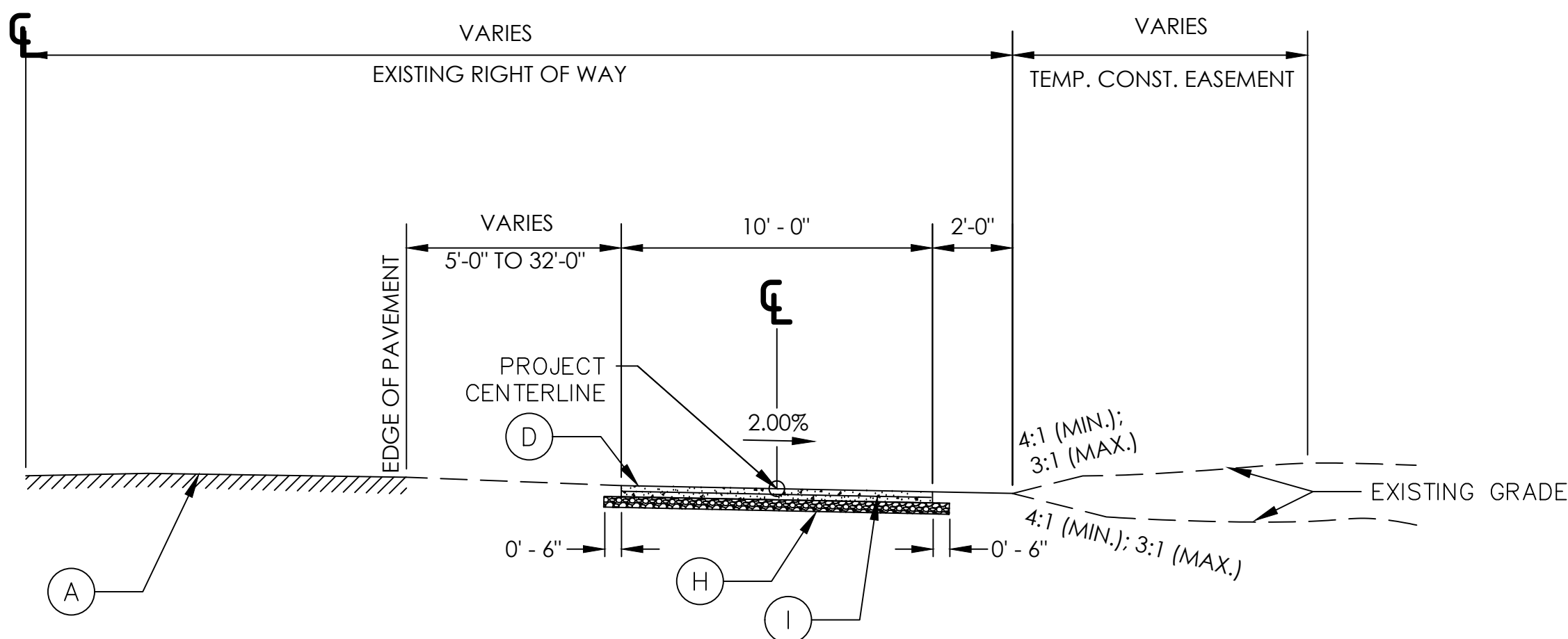
TYPICAL SECTION 2

TIMOTHY ROAD
STA 10+45 TO 11+28



TYPICAL SECTION 5

TIMOTHY ROAD
STA 44+00 TO 49+35



TYPICAL SECTION 3

TIMOTHY ROAD
STA 11+28 TO 20+75
STA 72+00 TO 85+60
STA 88+40 TO 90+22

NO CONSTRUCTION STATION 63+66 TO STATION 70+77

REQUIRED PAVEMENT LEGEND

- (A) EXISTING ASPHALT ROADWAY
- (B) EXISTING CONC. CURB AND GUTTER
- (C) NEW CONC. CURB AND GUTTER, 6 IN X 24 IN, TP. 2, GDOT DETAIL 9032B
- (D) NEW CONCRETE PATH, 4 IN THICK
- (E) CONCRETE RETAINING WALL GDOT DETAIL 9031L
- (F) NEW CONC. DITCH, GDOT DETAIL D-49
- (G) NEW GRASSED DITCH
- (H) GRADED AGGREGATE BASE, 6 IN THICK
- (I) WOVEN WIRE MESH, 6 IN X 6 IN X 10 GAUGE
- (J) CLASS B CONCRETE WIDENING PER ACC DETAIL 1-030
- (K) CANTILEVERED RETAINING WALL, SEE DETAIL SHEET 40-002
- (L) NEW POROUS CONCRETE PATH, 6 IN THICK
- (M) #67 WASHED STONE, 12 IN THICK
- (N) WOVEN FILTER FABRIC

SHEET TITLE:
TYPICAL SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I

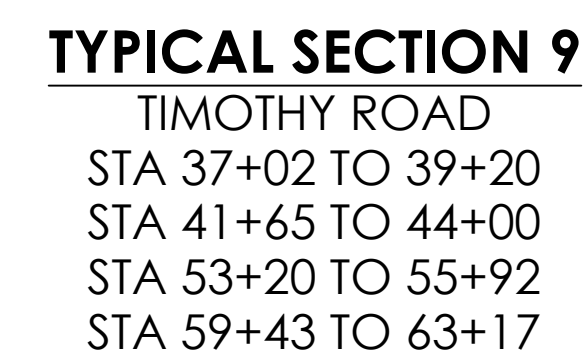
ATHENS-CLARKE
COUNTY, GA

PROJECT INFORMATION

JOB NO: 19023002
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

05-001



REQUIRED PAVEMENT LEGEND

- (A) EXISTING ASPHALT ROADWAY
- (B) EXISTING CONC. CURB AND GUTTER
- (C) NEW CONC. CURB AND GUTTER, 6 IN X 24 IN, TP. 2, GDOT DETAIL 9032B
- (D) NEW CONCRETE PATH, 4 IN THICK
- (E) CONCRETE RETAINING WALL GDOT DETAIL 9031L
- (F) NEW CONC. DITCH, GDOT DETAIL D-49
- (G) NEW GRASSED DITCH
- (H) GRADED AGGREGATE BASE, 6 IN THICK
- (I) WOVEN WIRE MESH, 6 IN X 6 IN X 10 GAUGE
- (J) CLASS B CONCRETE WIDENING PER ACC DETAIL 1-030
- (K) CANTILEVERED RETAINING WALL, SEE DETAIL SHEET 40-002
- (L) NEW POROUS CONCRETE PATH, 6 IN THICK
- (M) #67 WASHED STONE, 12 IN THICK
- (N) WOVEN FILTER FABRIC

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ATHENS-CLARKE
COUNTY, GA

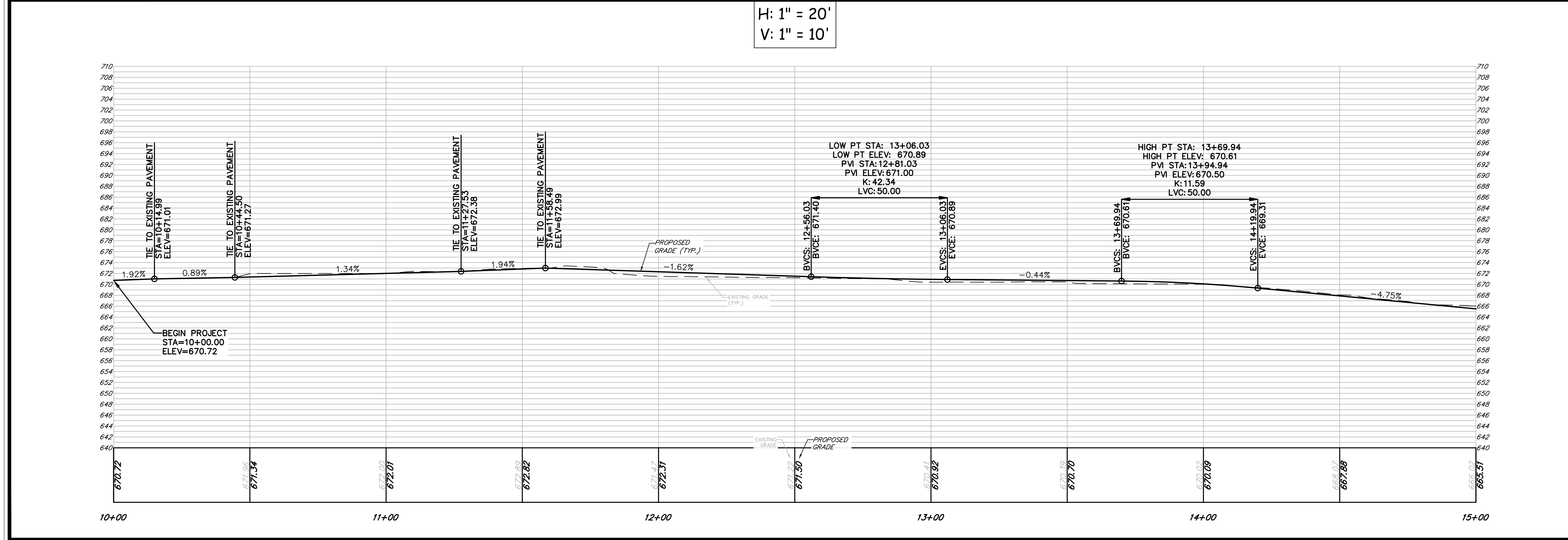
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TYPICAL SECTIONS

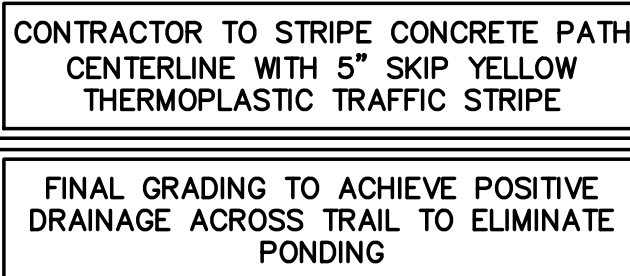
PROJECT NAME
**TIMOTHY ROAD
SHARED USE PATH
SECTION I**

PROJECT INFORMATION

JOB NO: 19023002
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CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:
05-002





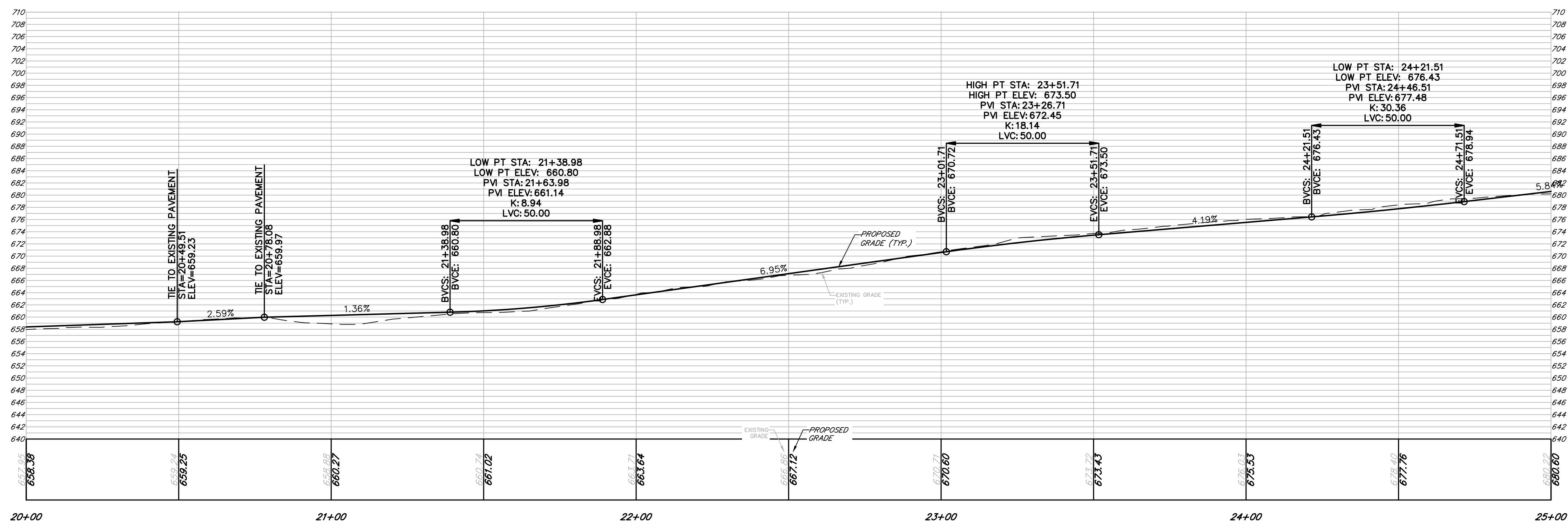
GRID NORTH
(GEORGIA EAST)



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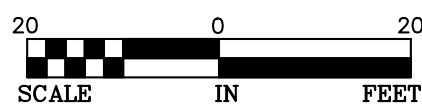
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ATHENS-CLARKE
COUNTY, GA



HEET TITLE: CONSTRUCTION PLAN AND PROFILE

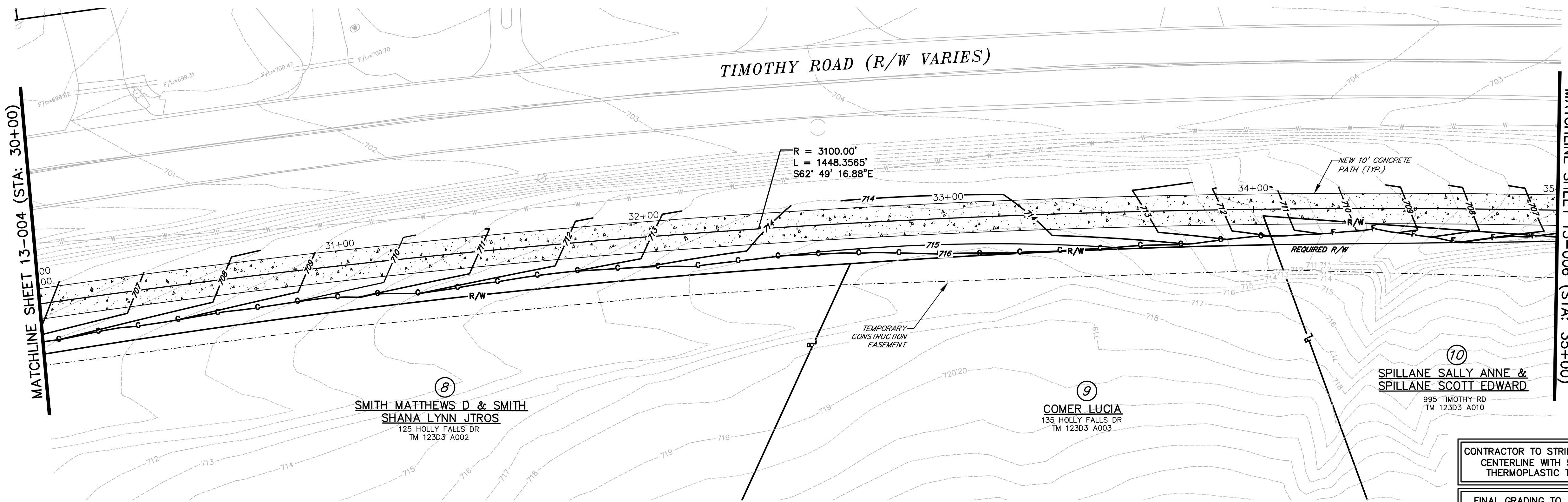
TIMOTHY ROAD SHARED USE PATH SECTION I



PROJECT INFORMATION

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CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
MAY 31, 2024

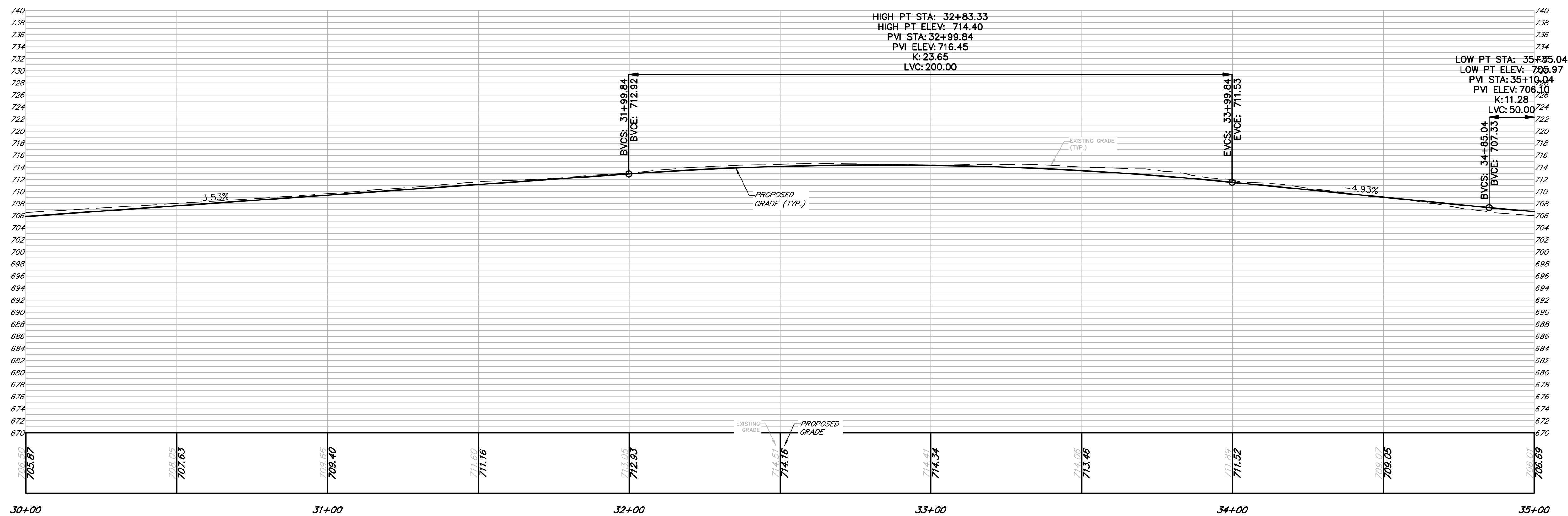
Sheet:
13-003



1" = 20'
H: 1" = 20'
V: 1" = 10'

CONTRACTOR TO STRIPE CONCRETE PATH
CENTERLINE WITH 5" SKIP YELLOW
THERMOPLASTIC TRAFFIC STRIPE

FINAL GRADING TO ACHIEVE POSITIVE
DRAINAGE ACROSS TRAIL TO ELIMINATE
PONDING



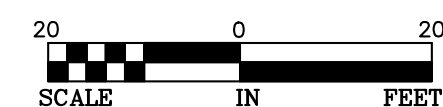
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Augusta, GA 30901
P 706.722.4114
www.benesch.com

REVISION		BLOCK	
REV. NO.	DATE	DESCRIPTION	

ATHENS-CLARKE
COUNTY, GA

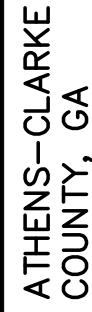
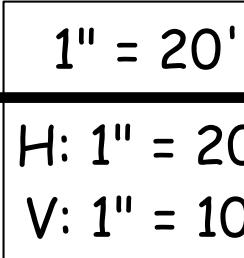
SHEET TITLE:
CONSTRUCTION PLAN AND
PROFILE

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



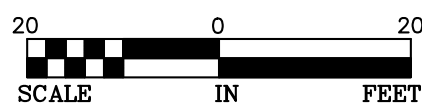
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DRAWN BY:	KC
CHECKED BY:	VC
DRAWING FILE:	19023002E.DWG
DRAWING SCALE:	1" = 20'
ORIGINAL RELEASE DATE:	MAY 31, 2024

Sheet:
13-005



SHEET TITLE: CONSTRUCTION PLAN AND PROFILE

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

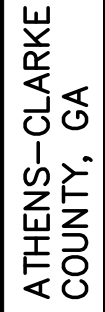
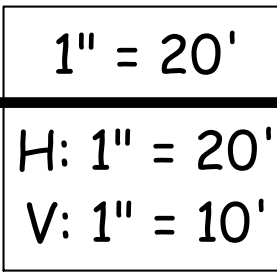
JOB NO: 19023002
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: MAY 31, 2024

Sheet:
13-007

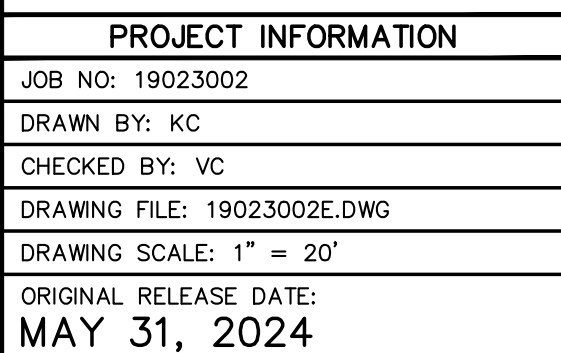


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[illegible]



PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I

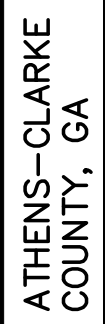
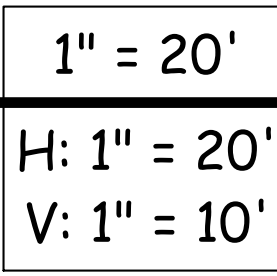


Sheet:
13-009



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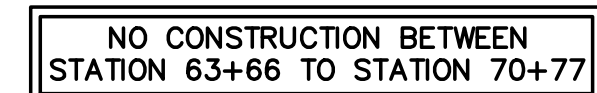
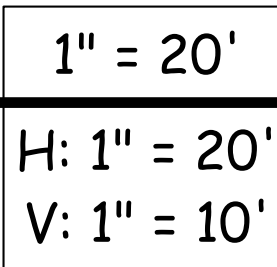
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DRAWN BY: KC
CHECKED BY: VC
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DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: MAY 31, 2024

Sheet:
13-012

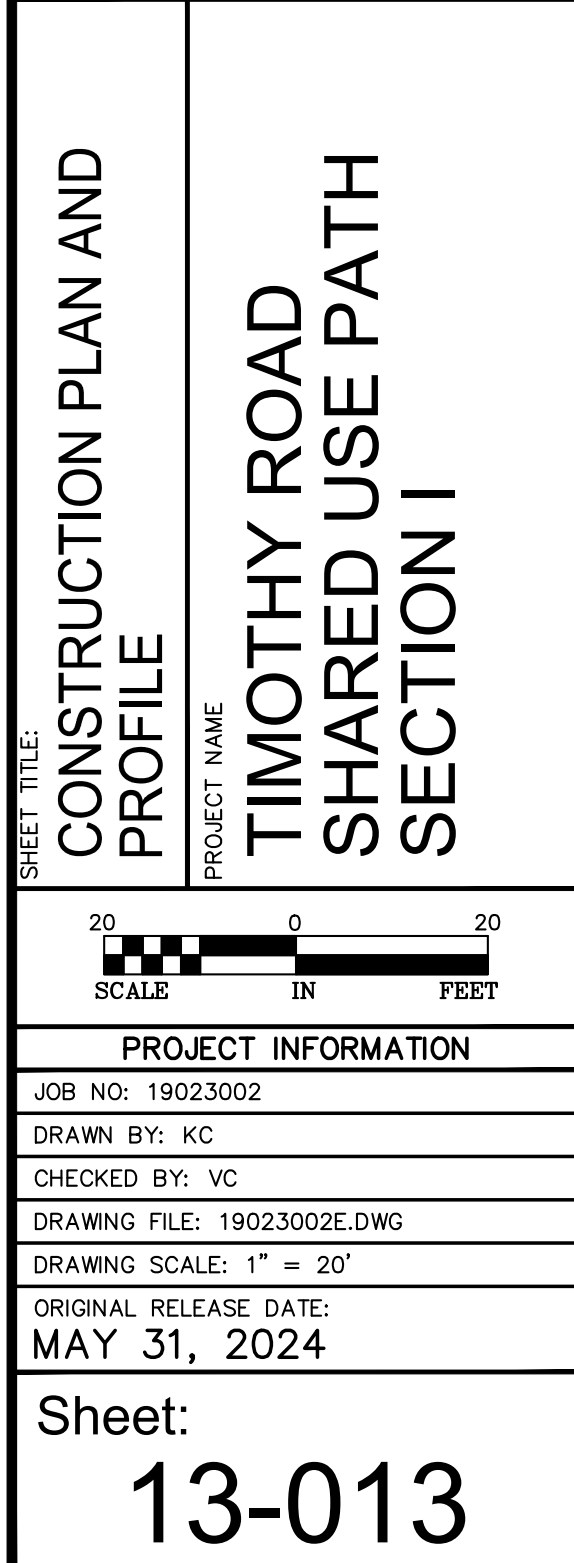


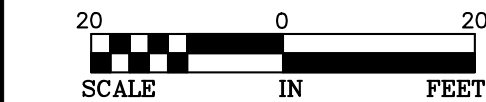
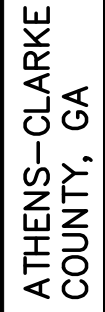
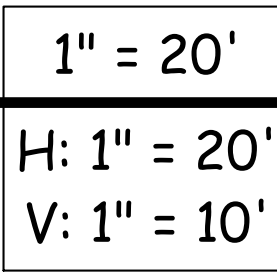
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[illegible]



**ATHENS-CLARKE
COUNTY, GA**





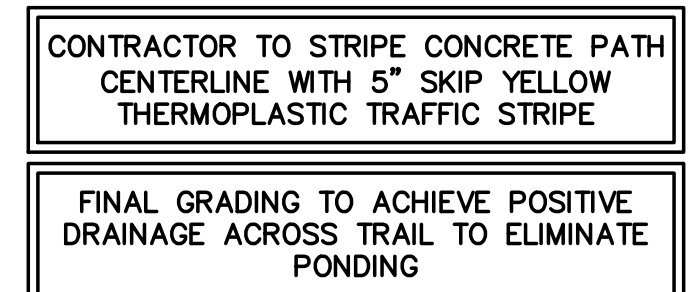
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DRAWN BY:	KC
CHECKED BY:	VC
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DRAWING SCALE:	1" = 20'
ORIGINAL RELEASE DATE:	MAY 31, 2024

Sheet:
13-016

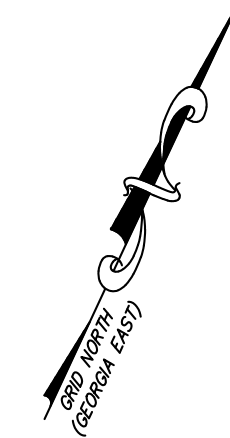
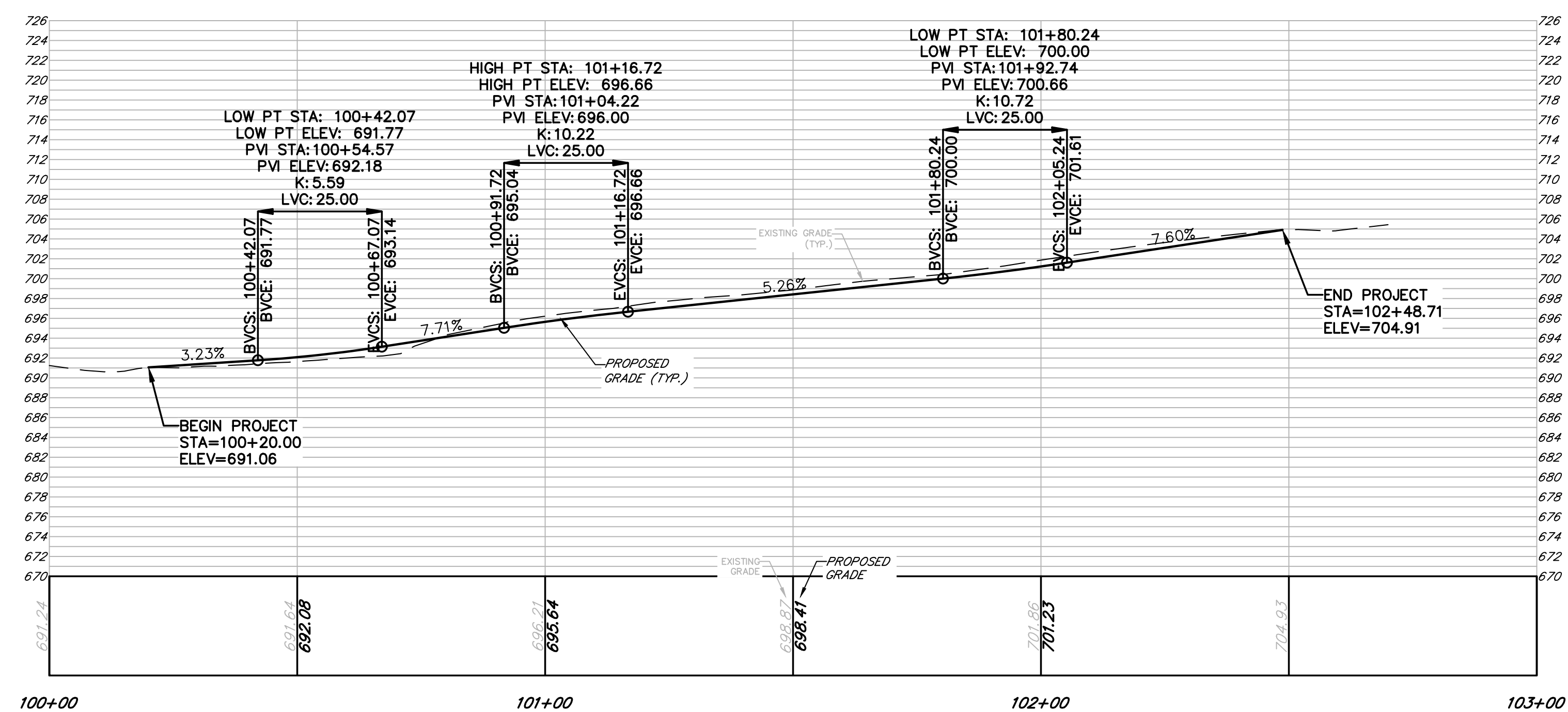


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[illegible]



$1'' = 20'$
H: $1'' = 20'$
V: $1'' = 10'$



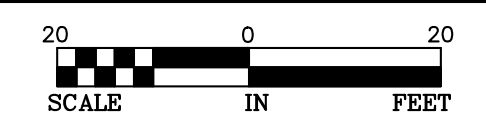
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COUNTY, GA

HEET TITLE:
CONSTRUCTION PLAN AND
PROFILE

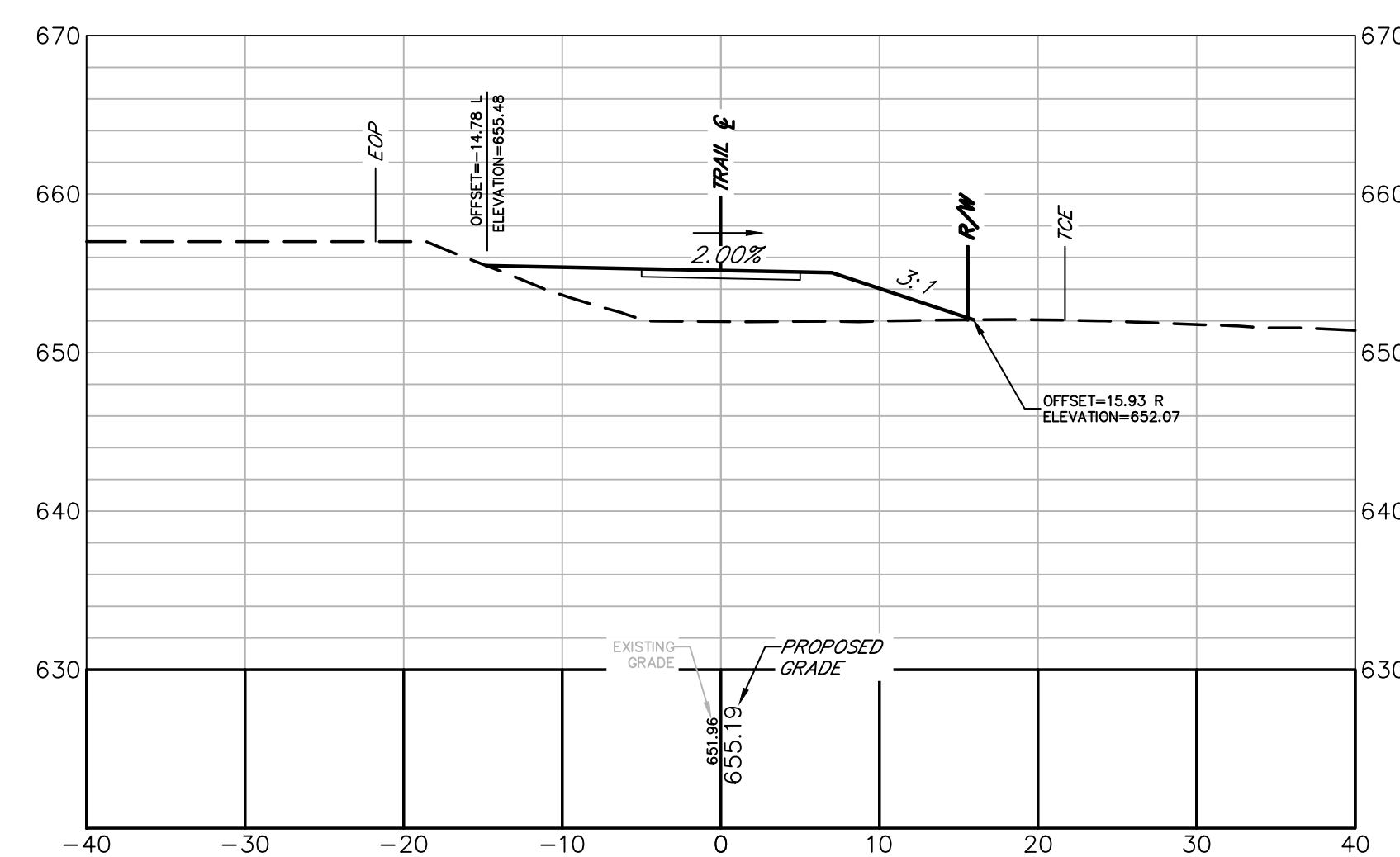
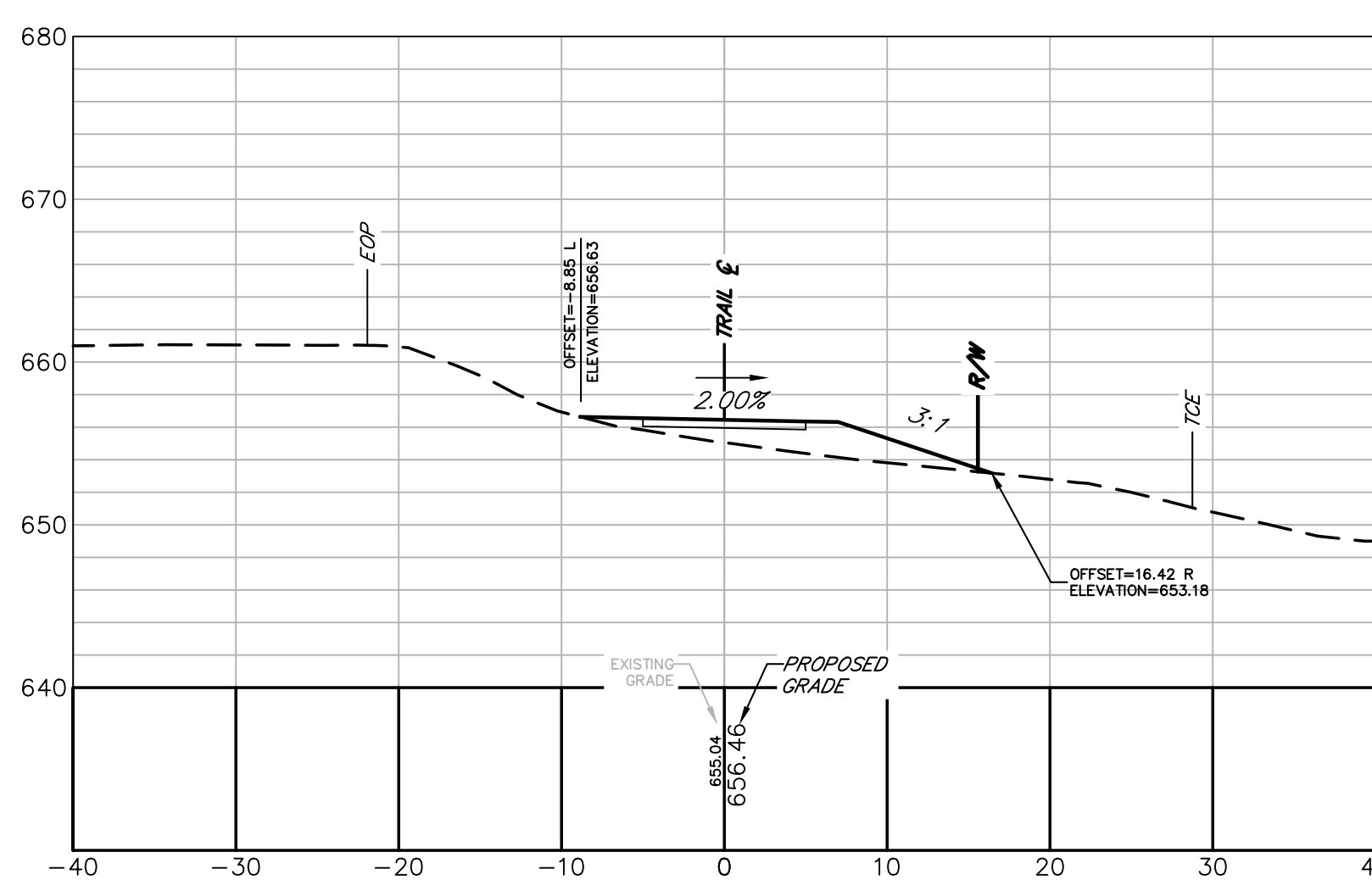
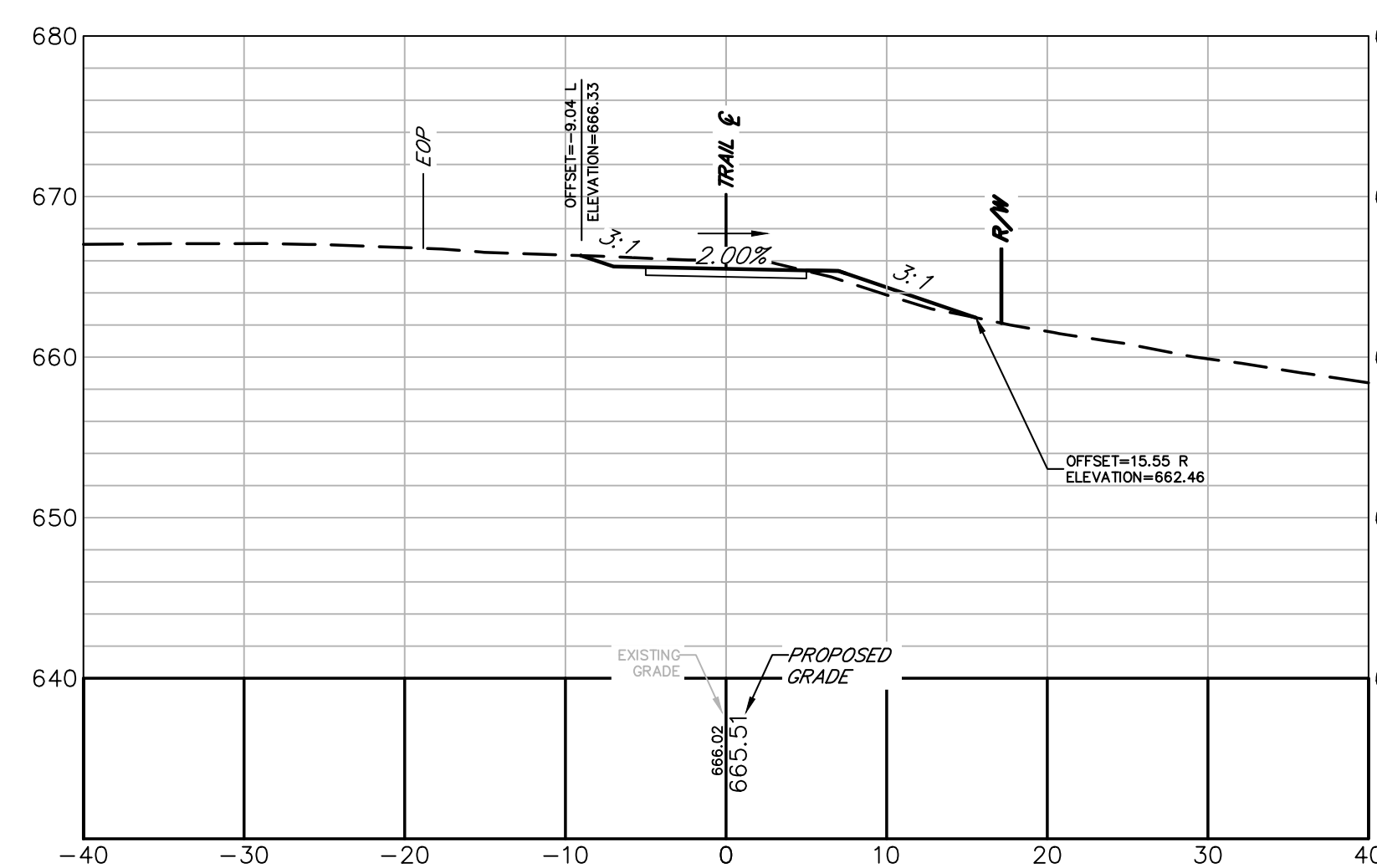
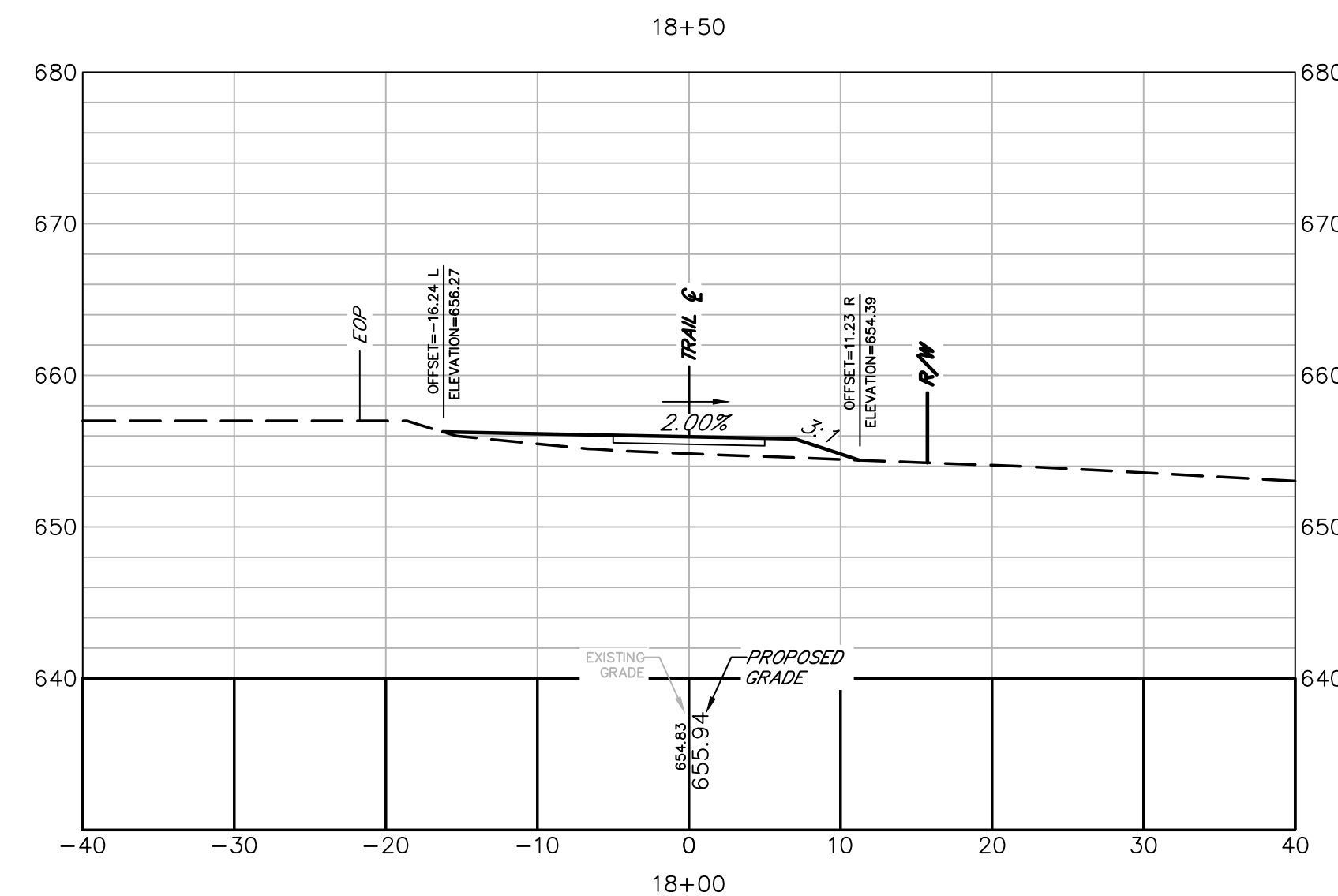
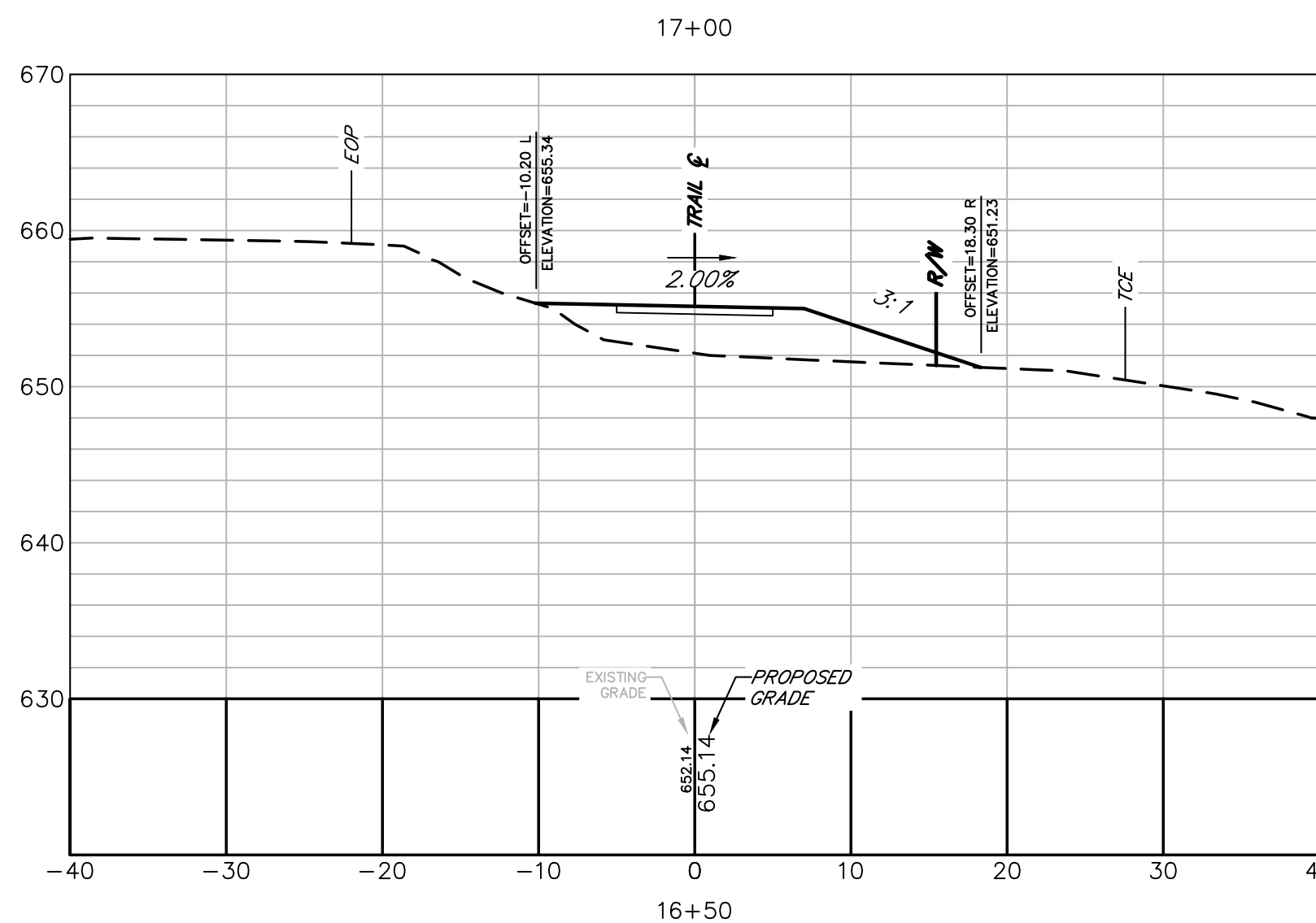
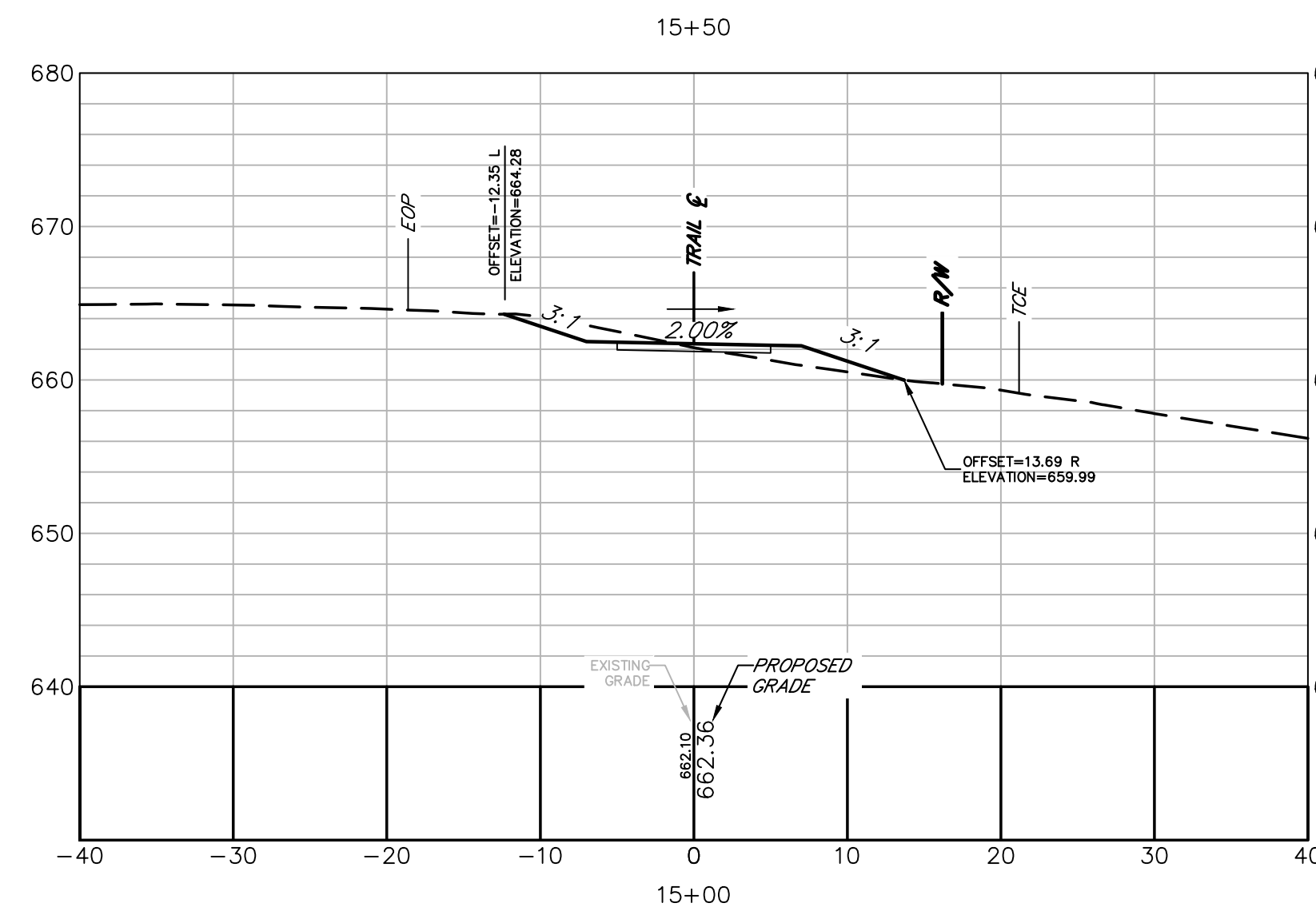
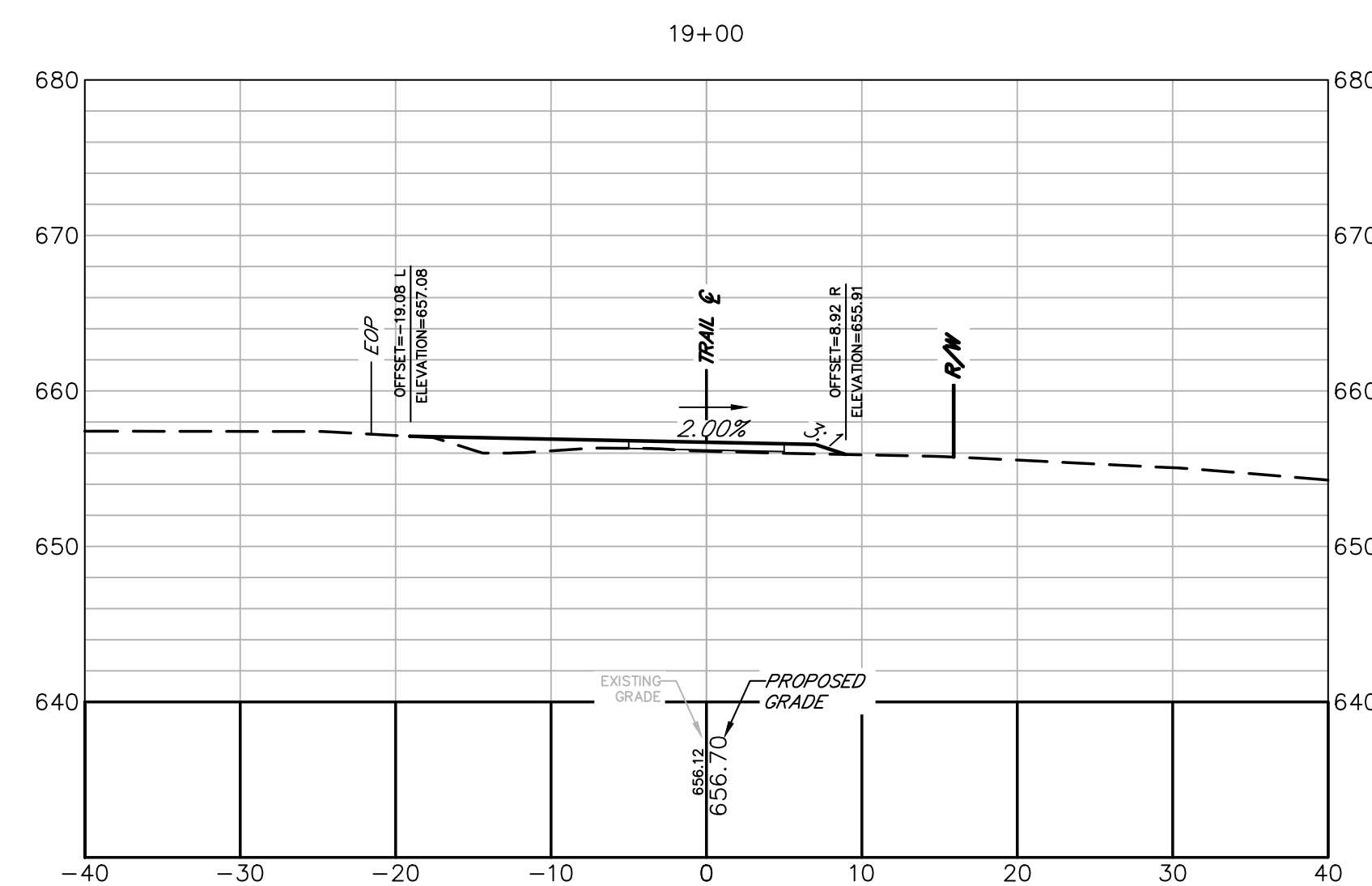
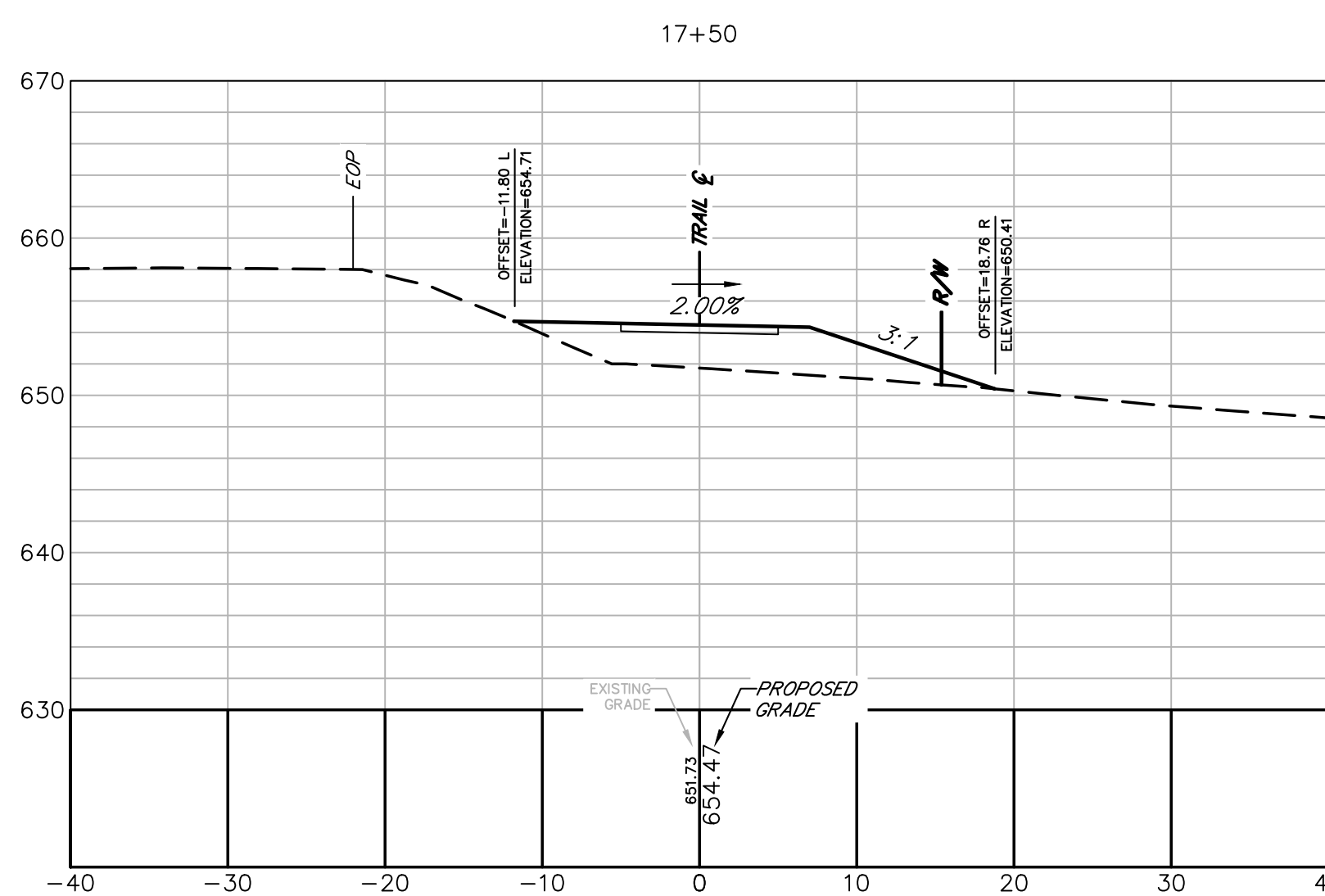
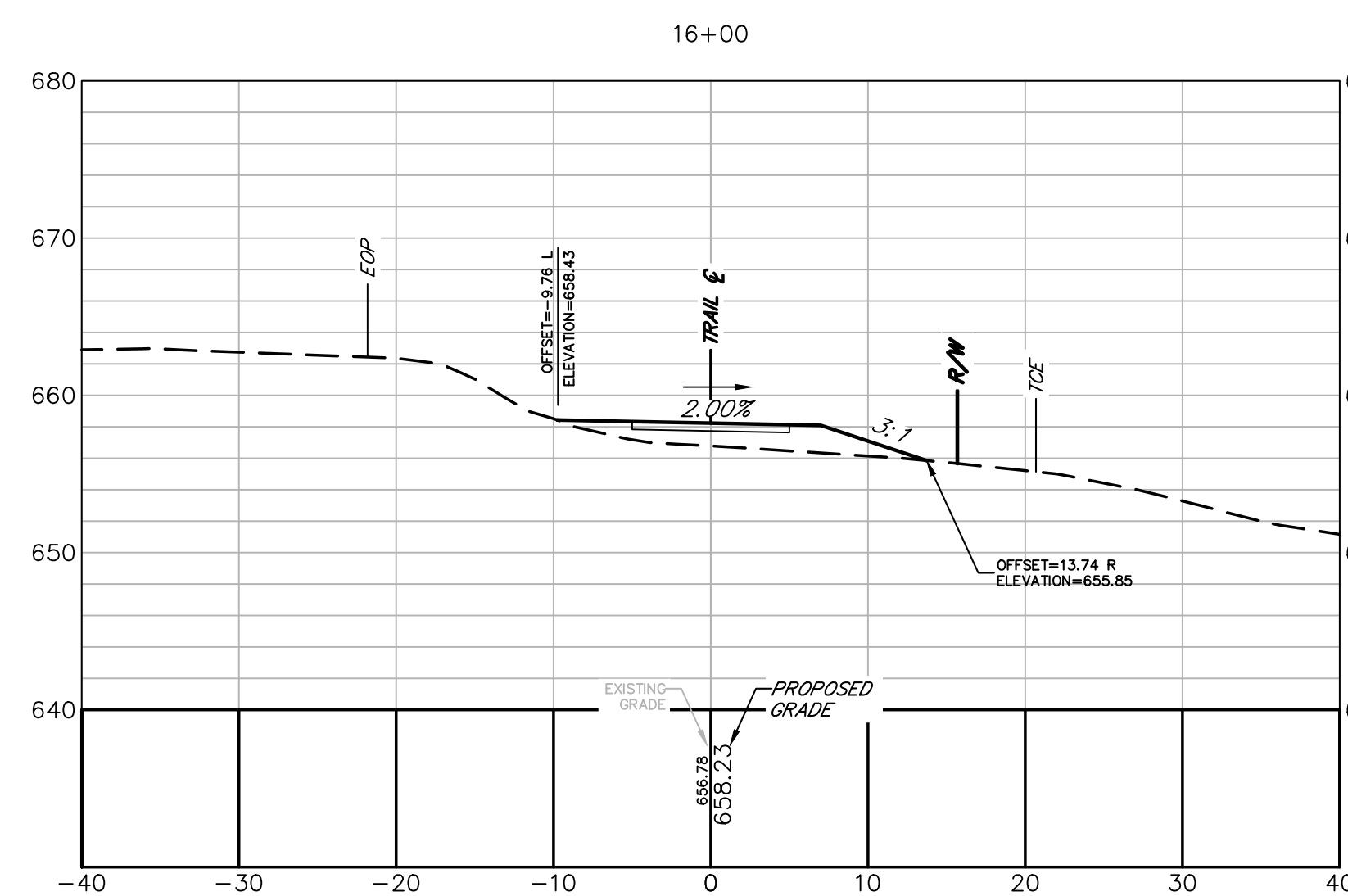
PROJECT NAME

TIMOTHY ROAD SHARED USE PATH SECTION I



PROJECT INFORMATION	
JOB NO:	19023002
DRAWN BY:	KC
CHECKED BY:	VC
DRAWING FILE:	19023002E.DWG
DRAWING SCALE:	1" = 20'
ORIGINAL RELEASE DATE:	MAY 31, 2024

Sheet:
13-018



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[illegible]

ATHENS-CLARKE
COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

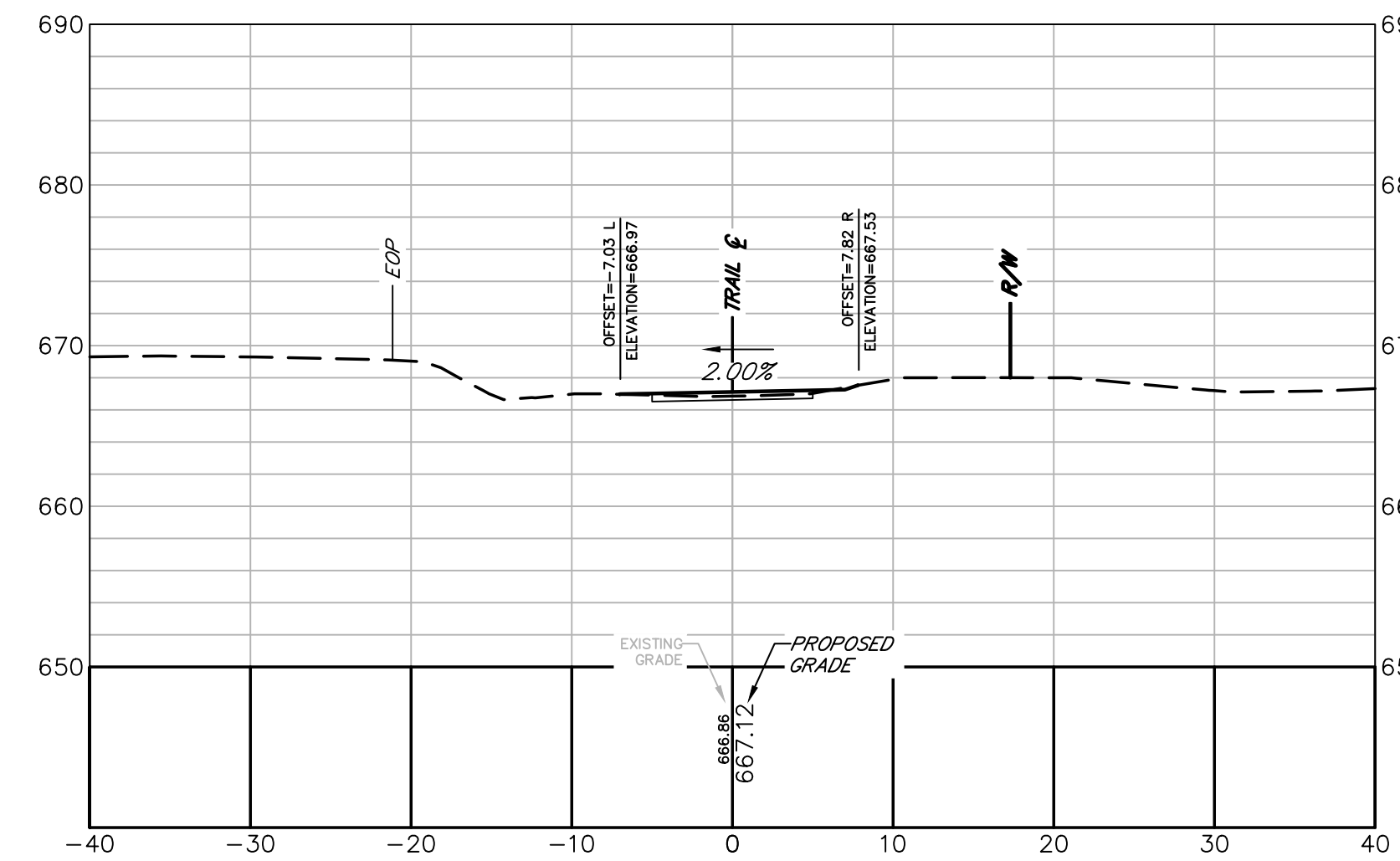
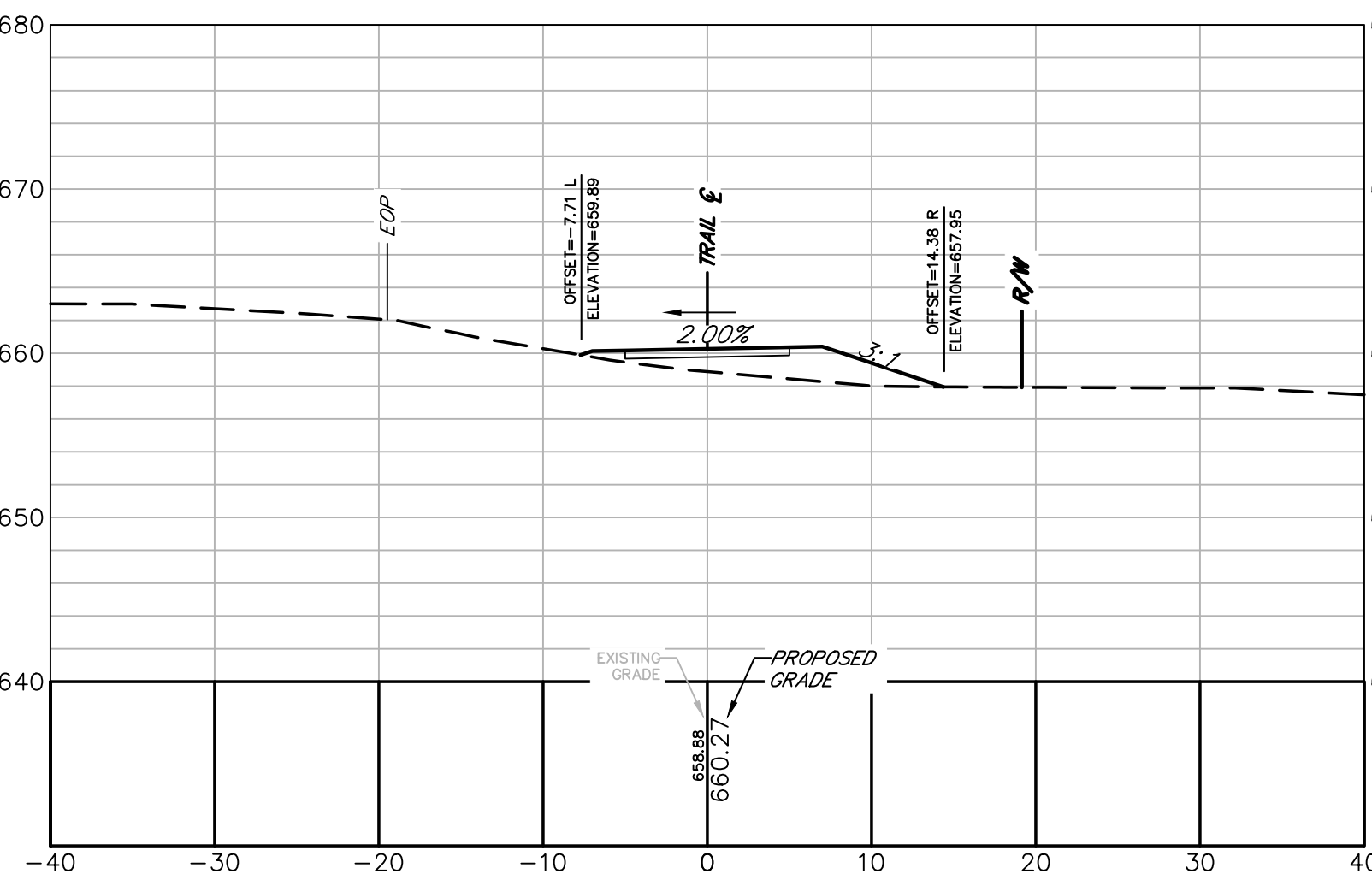
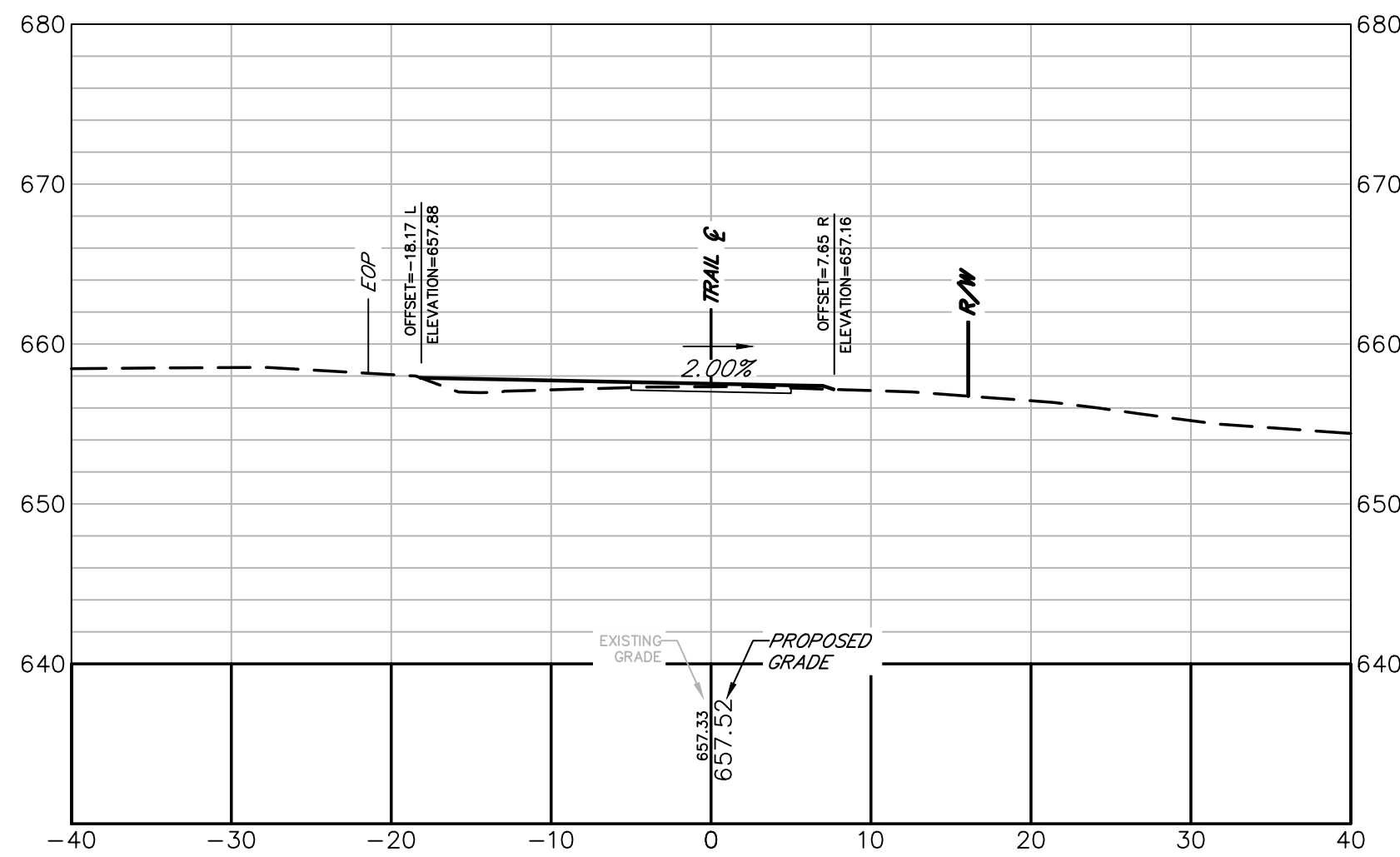
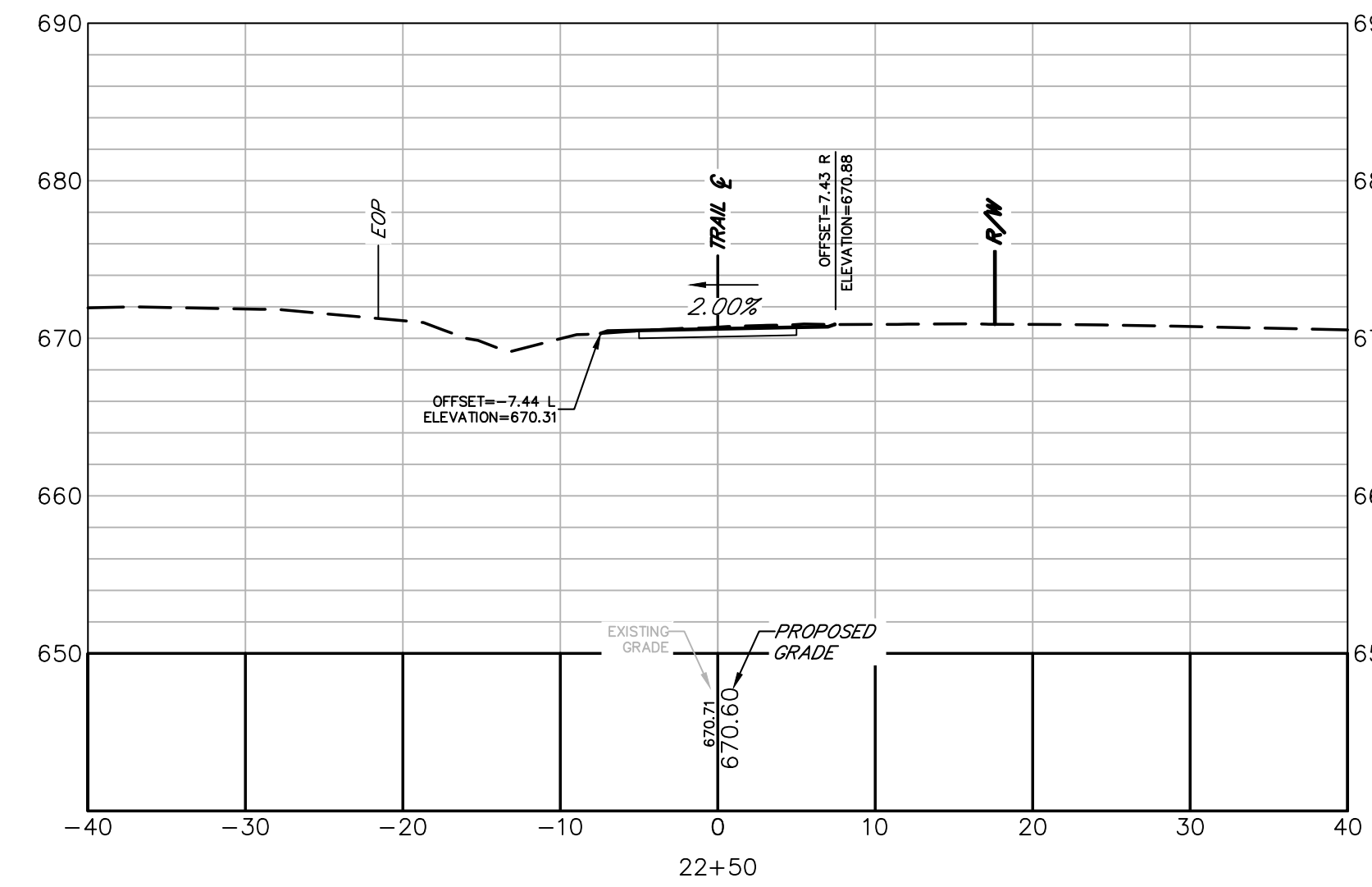
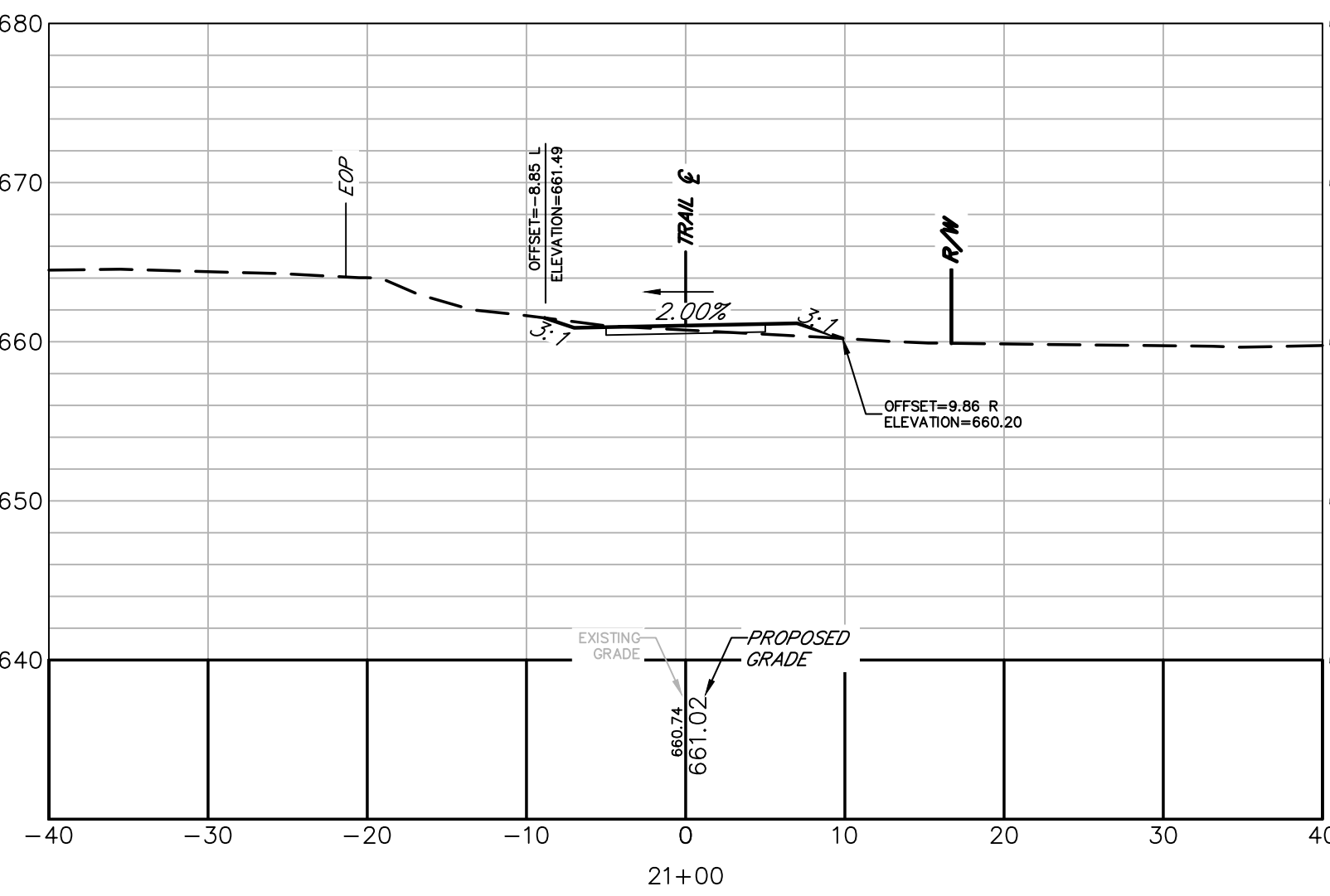
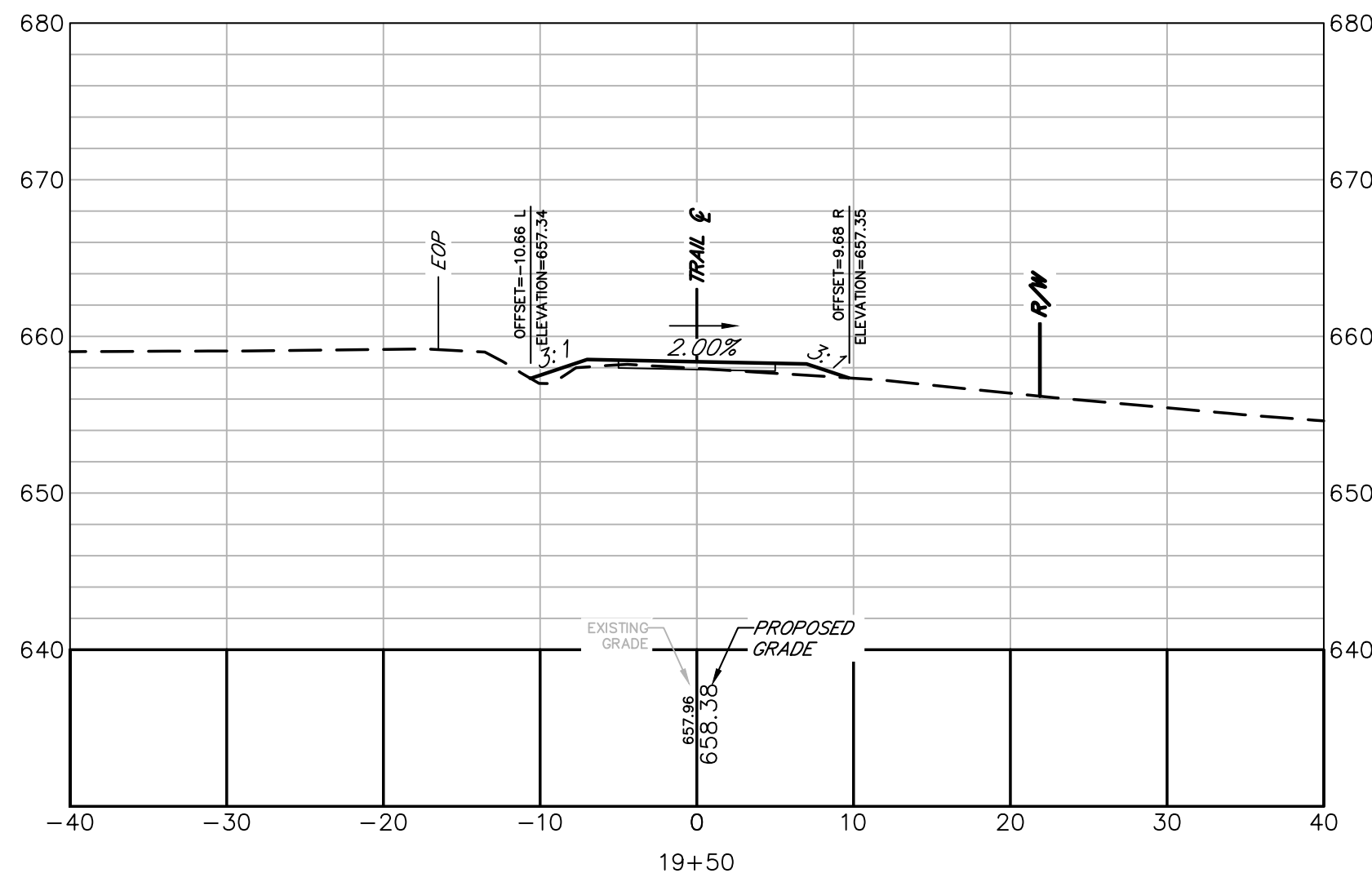
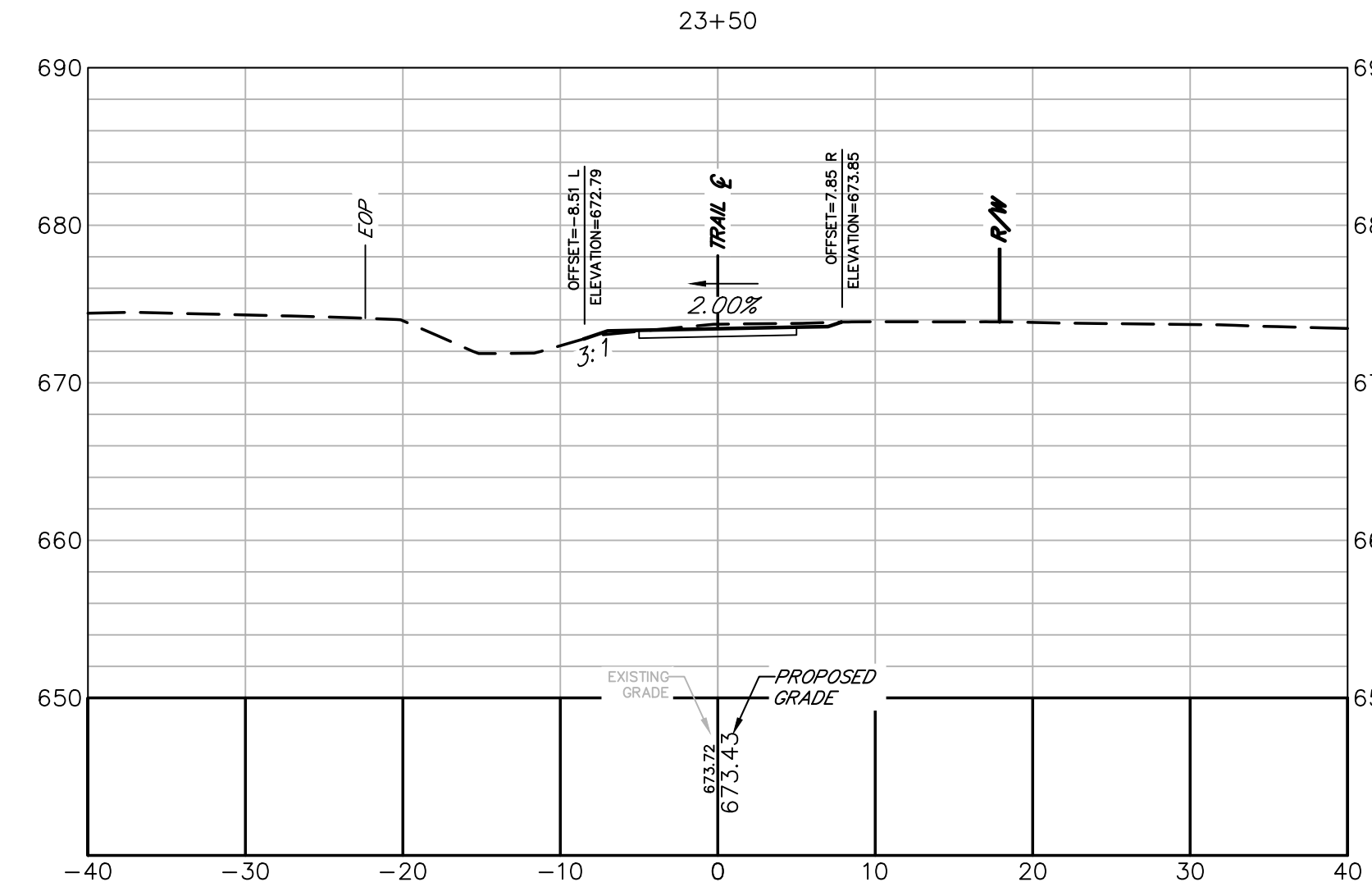
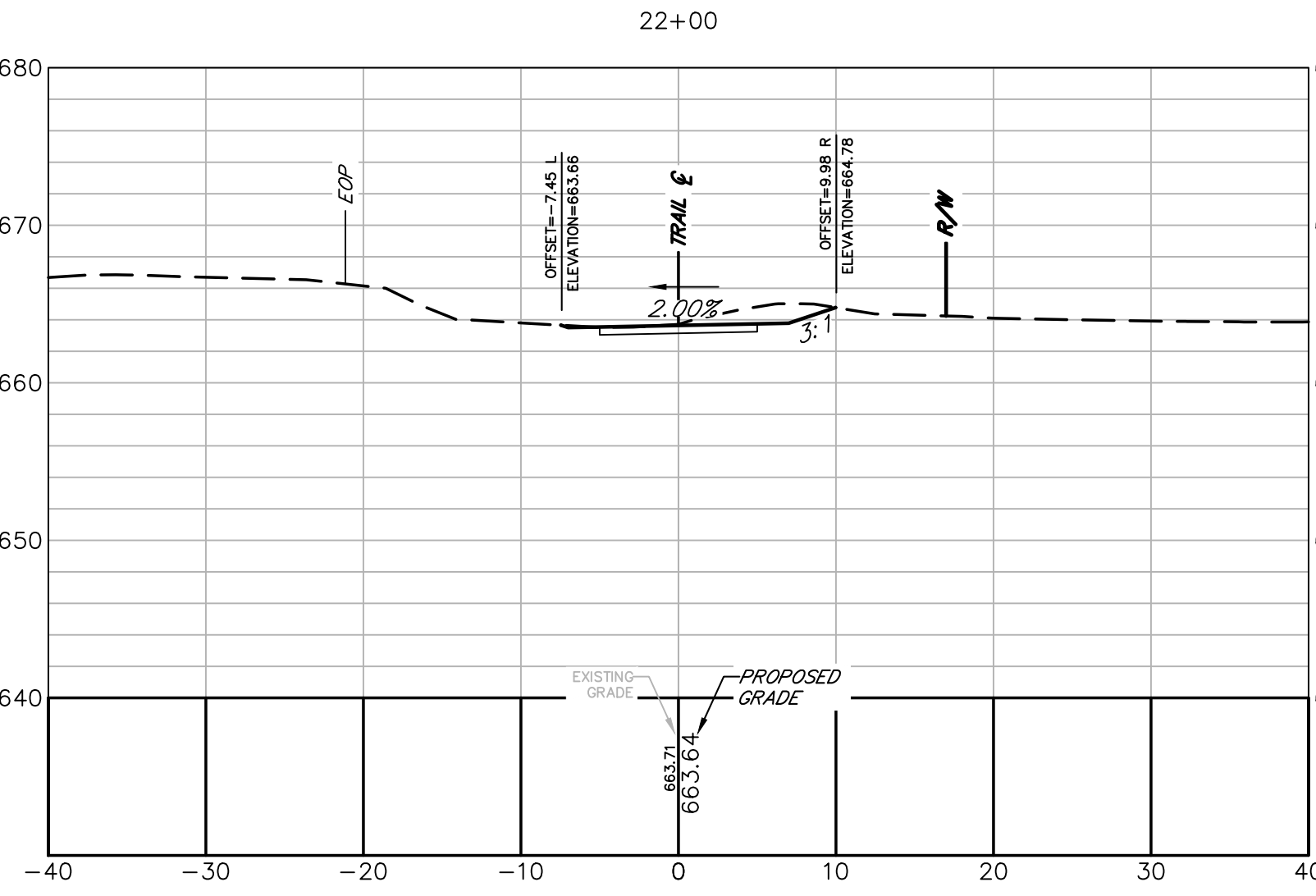
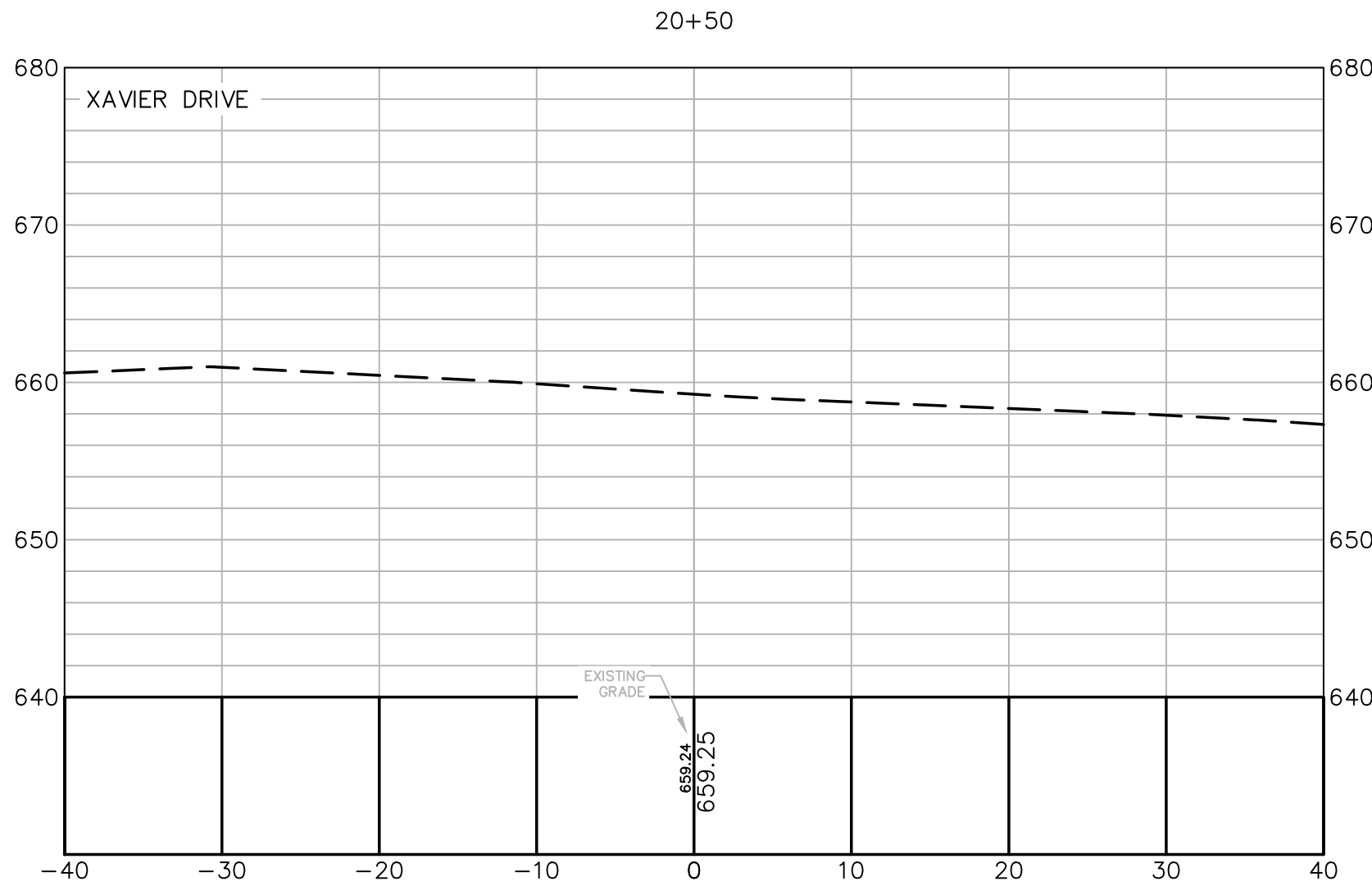
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DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-002



ATHENS-CLARKE
COUNTY, GA

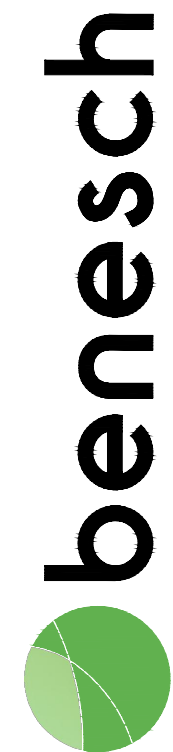
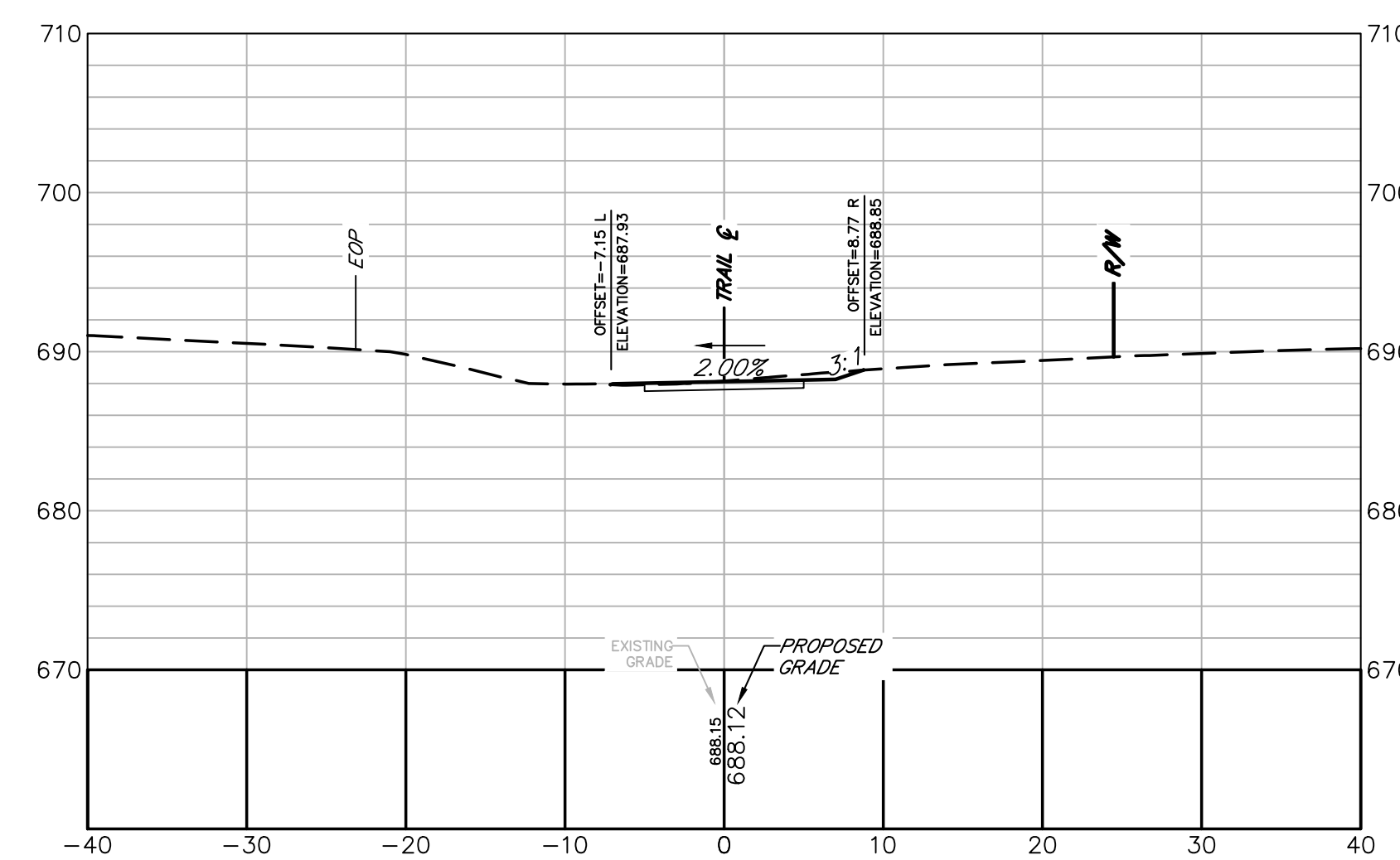
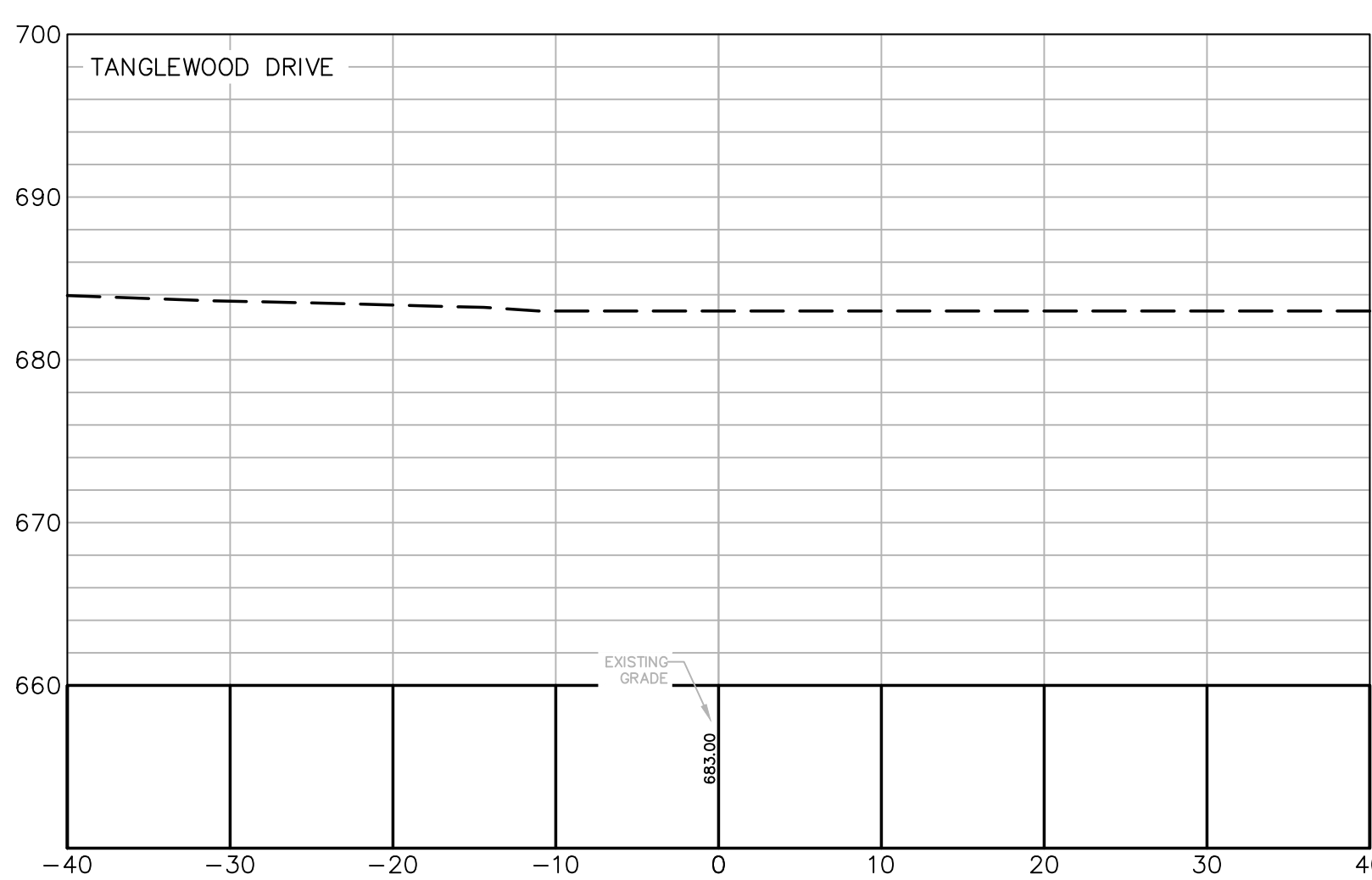
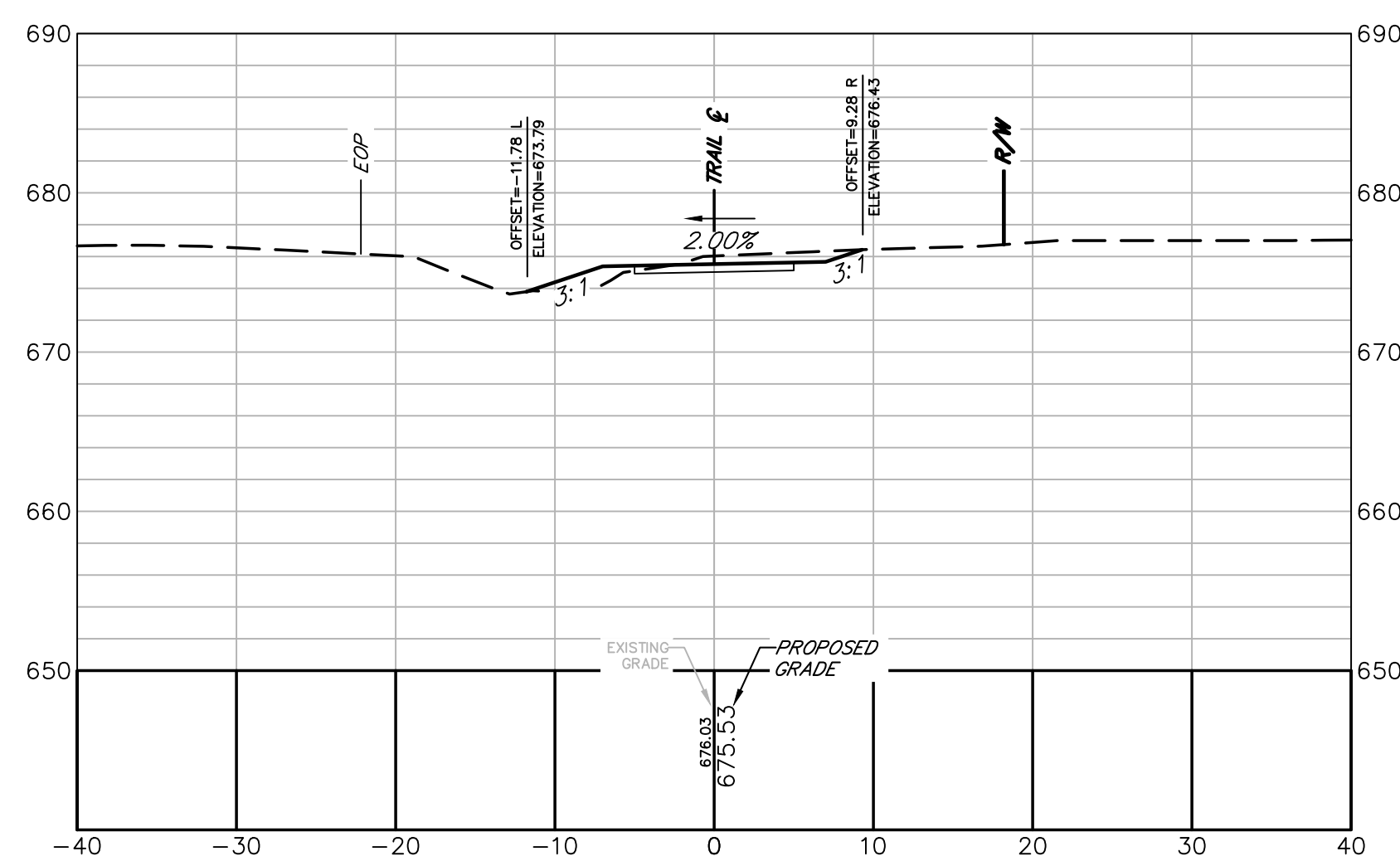
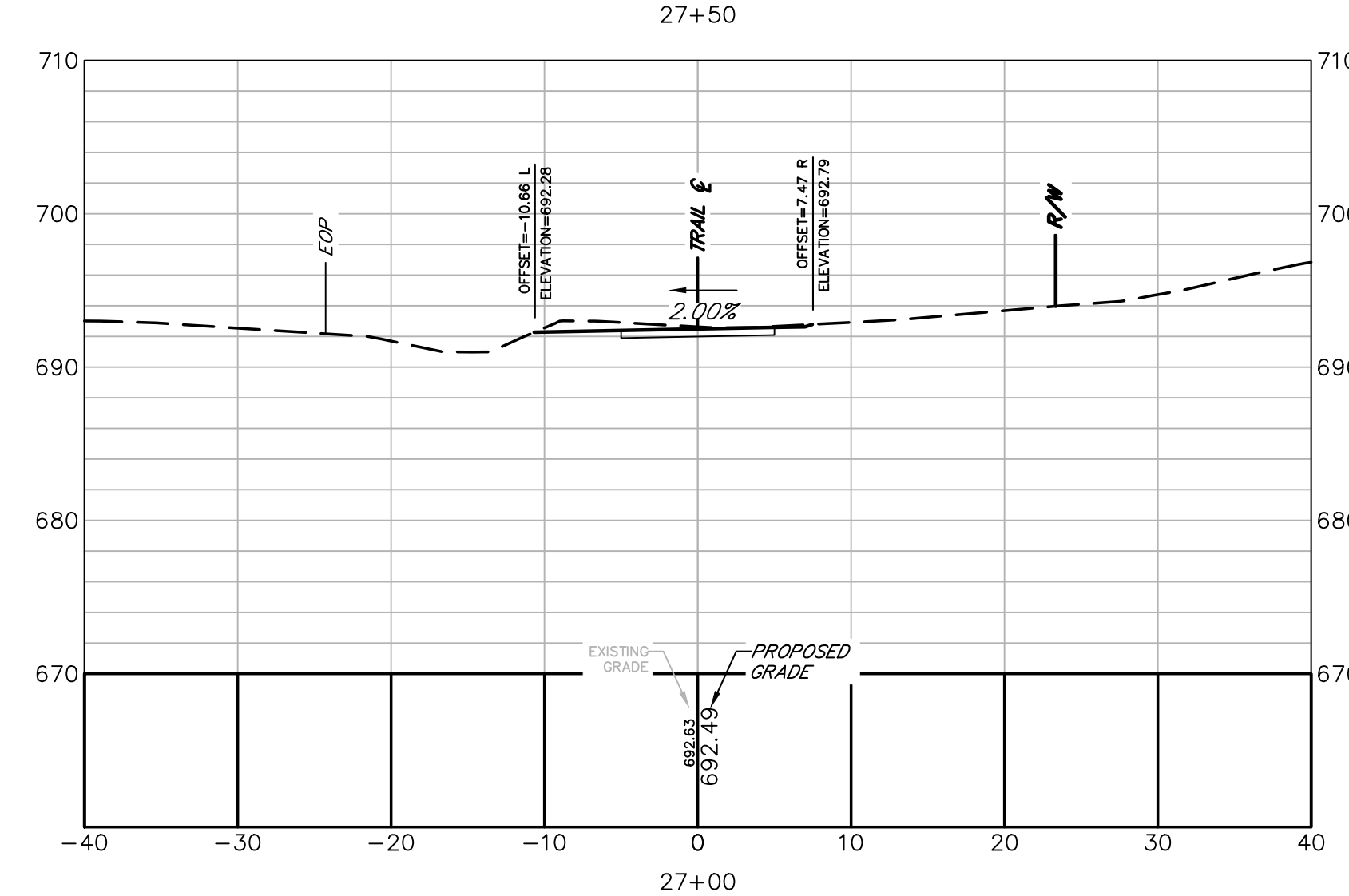
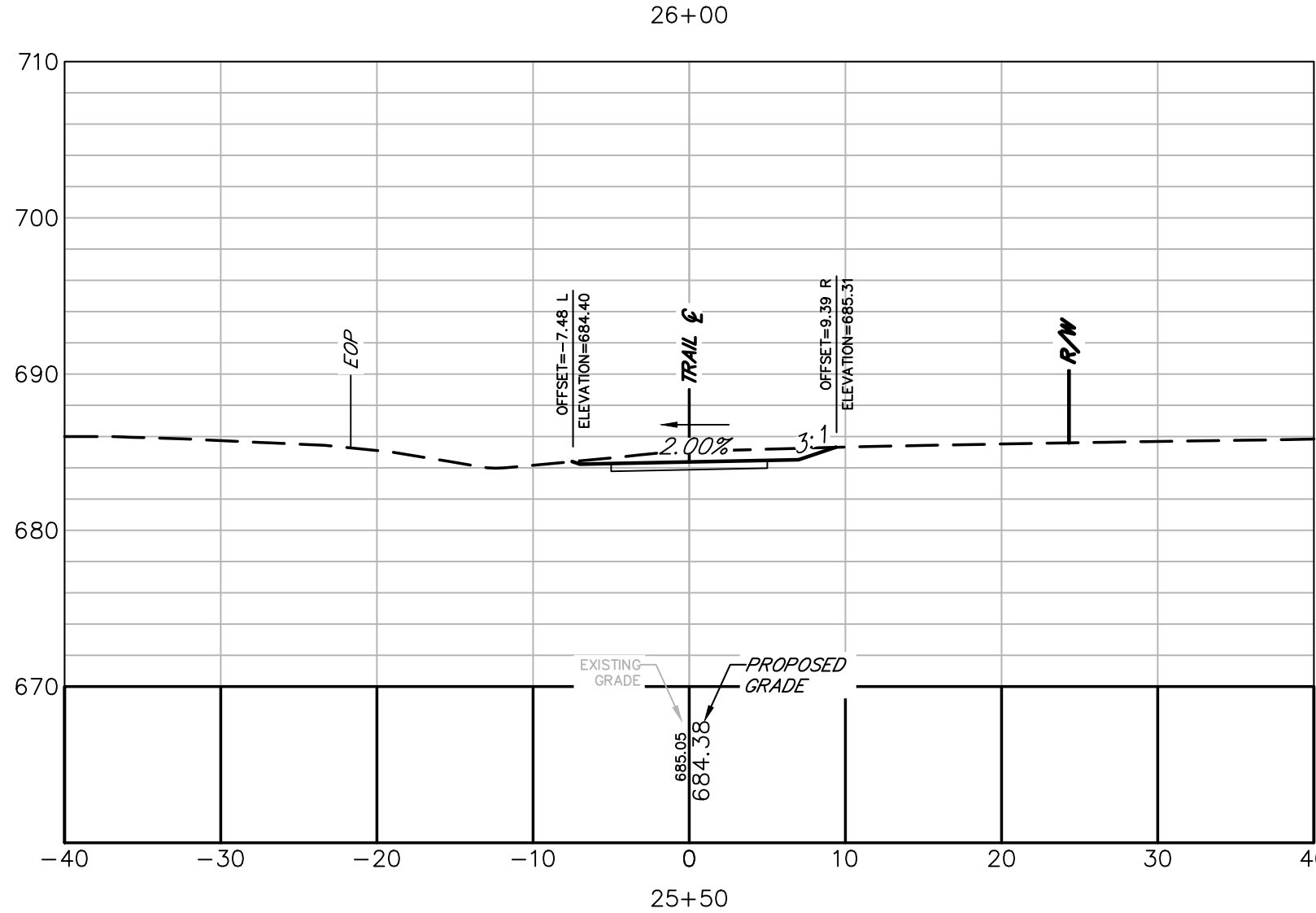
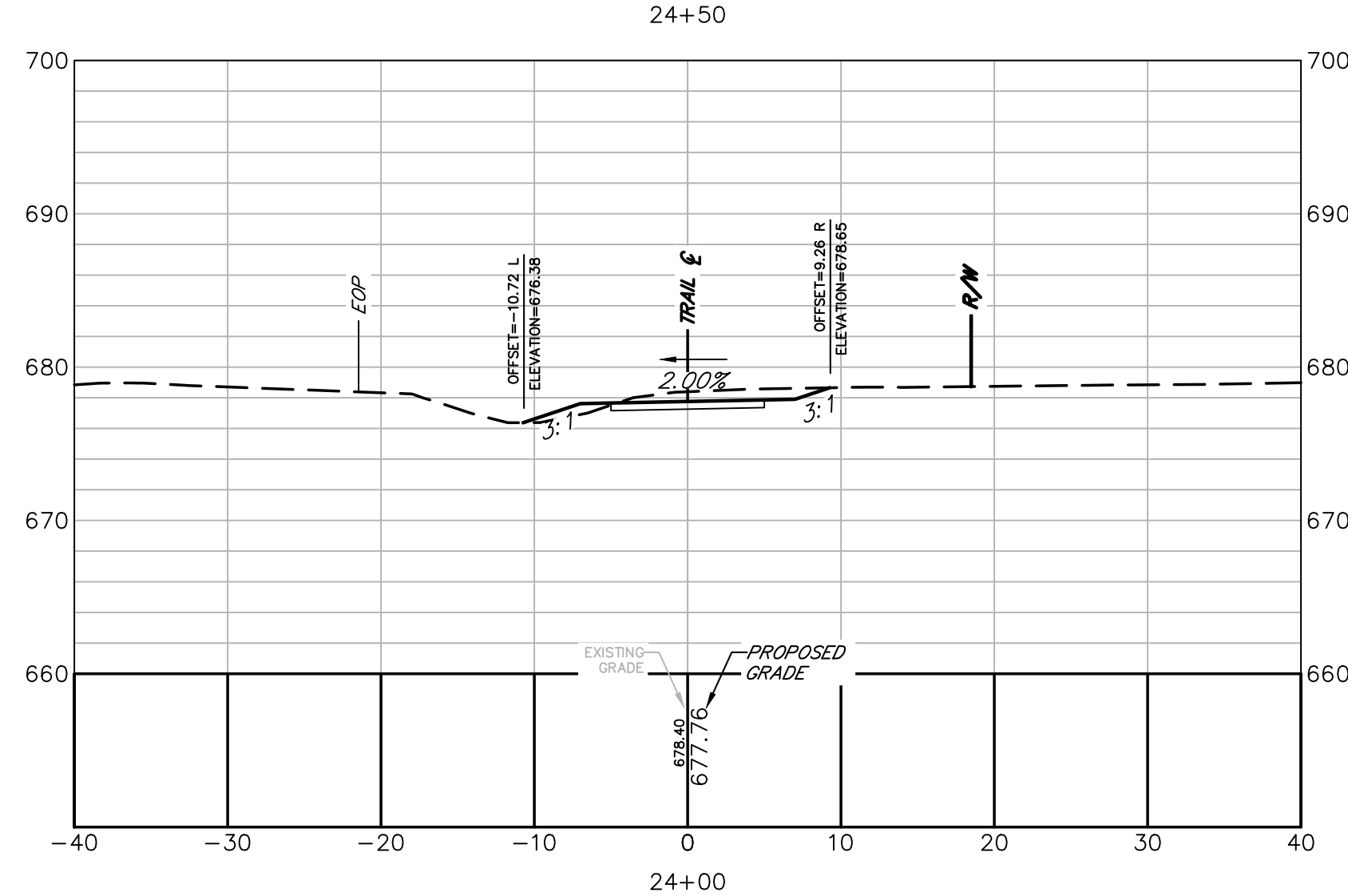
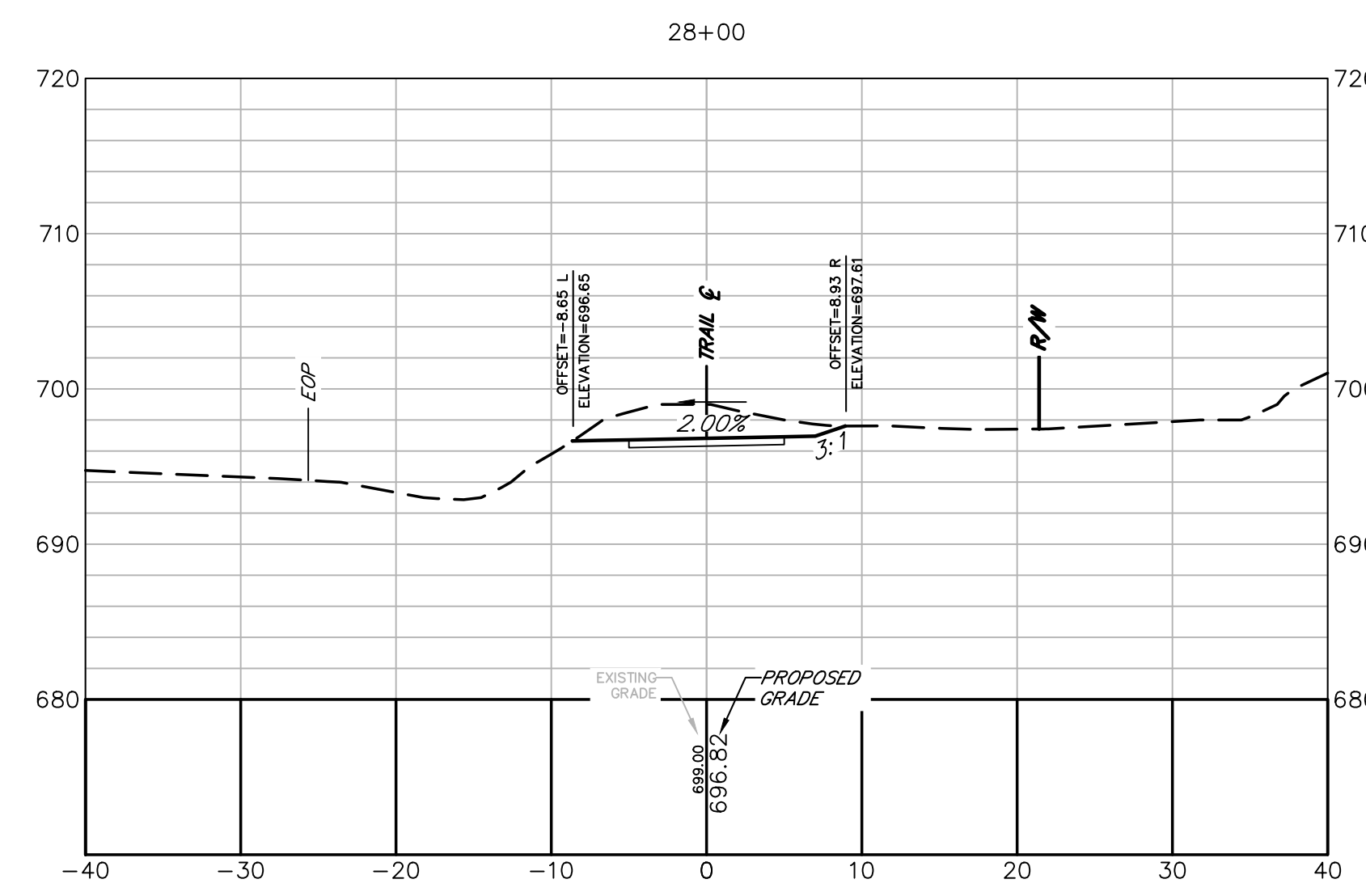
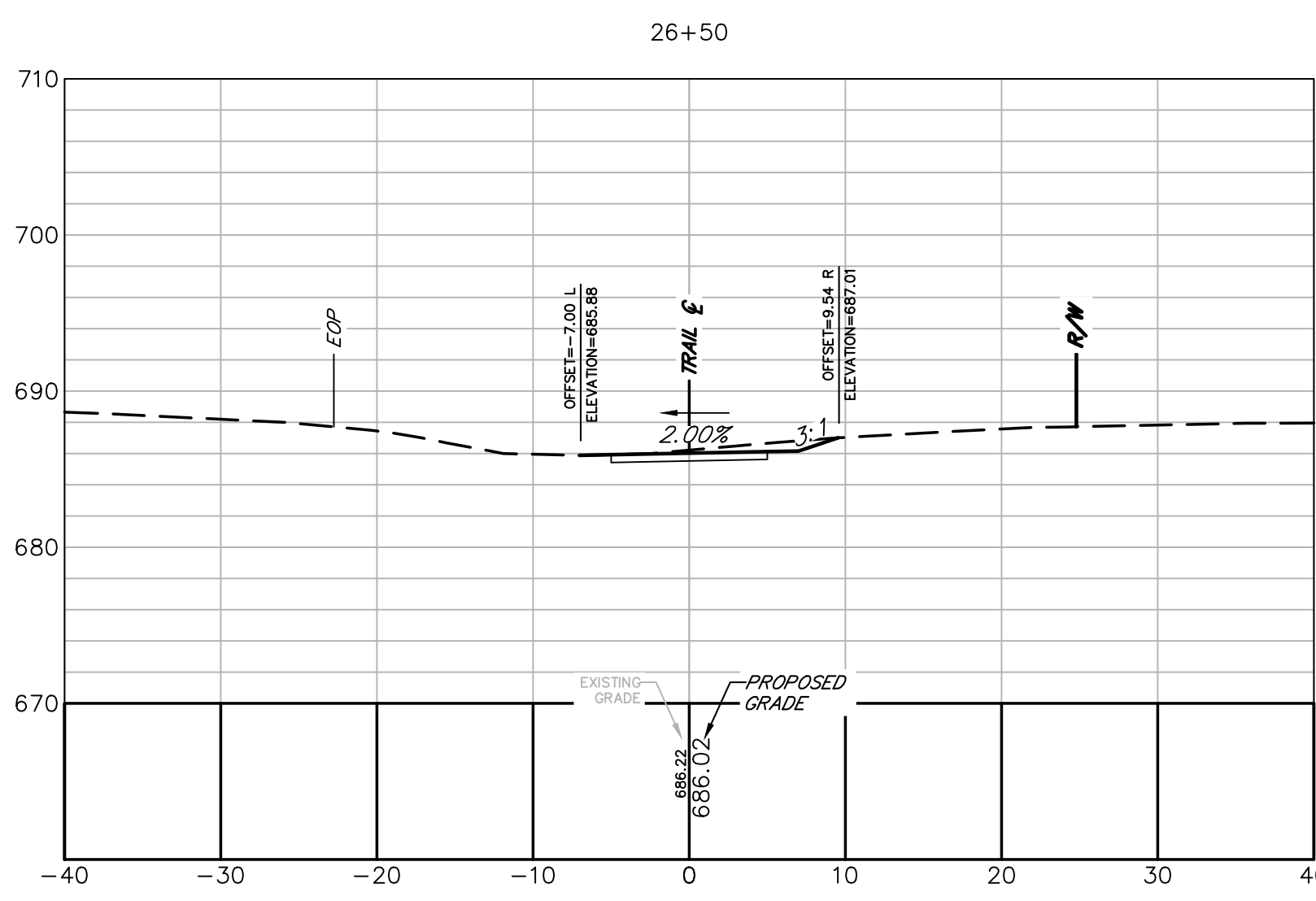
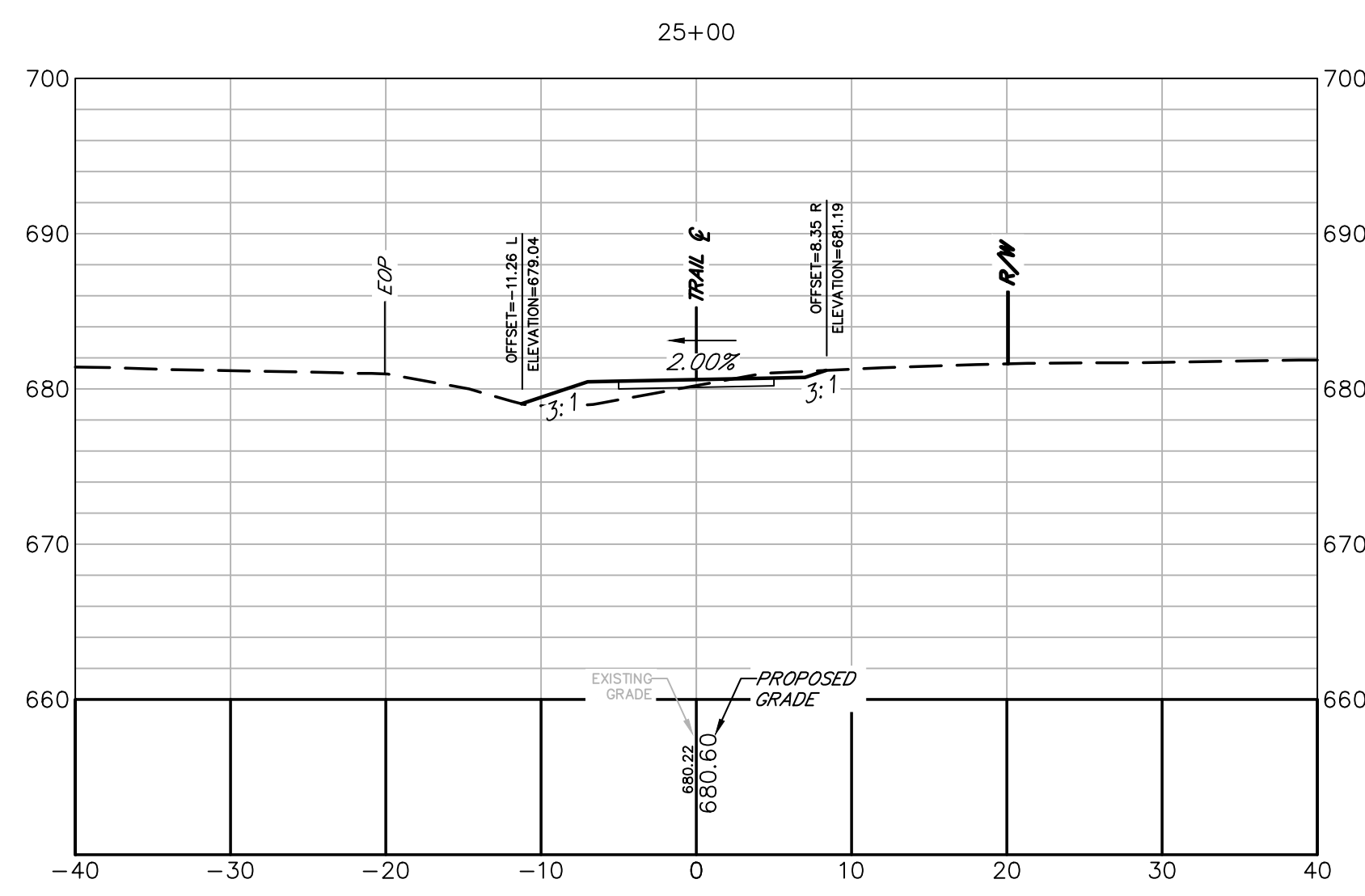
SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION
JOB NO: 19023002
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: 1" = 10'
ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:
23-003



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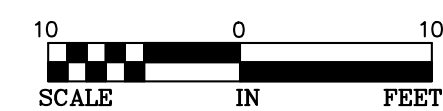
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**ATHENS-CLARKE
COUNTY, GA**

HEET TITLE: CROSS SECTIONS

PROJECT NAME

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

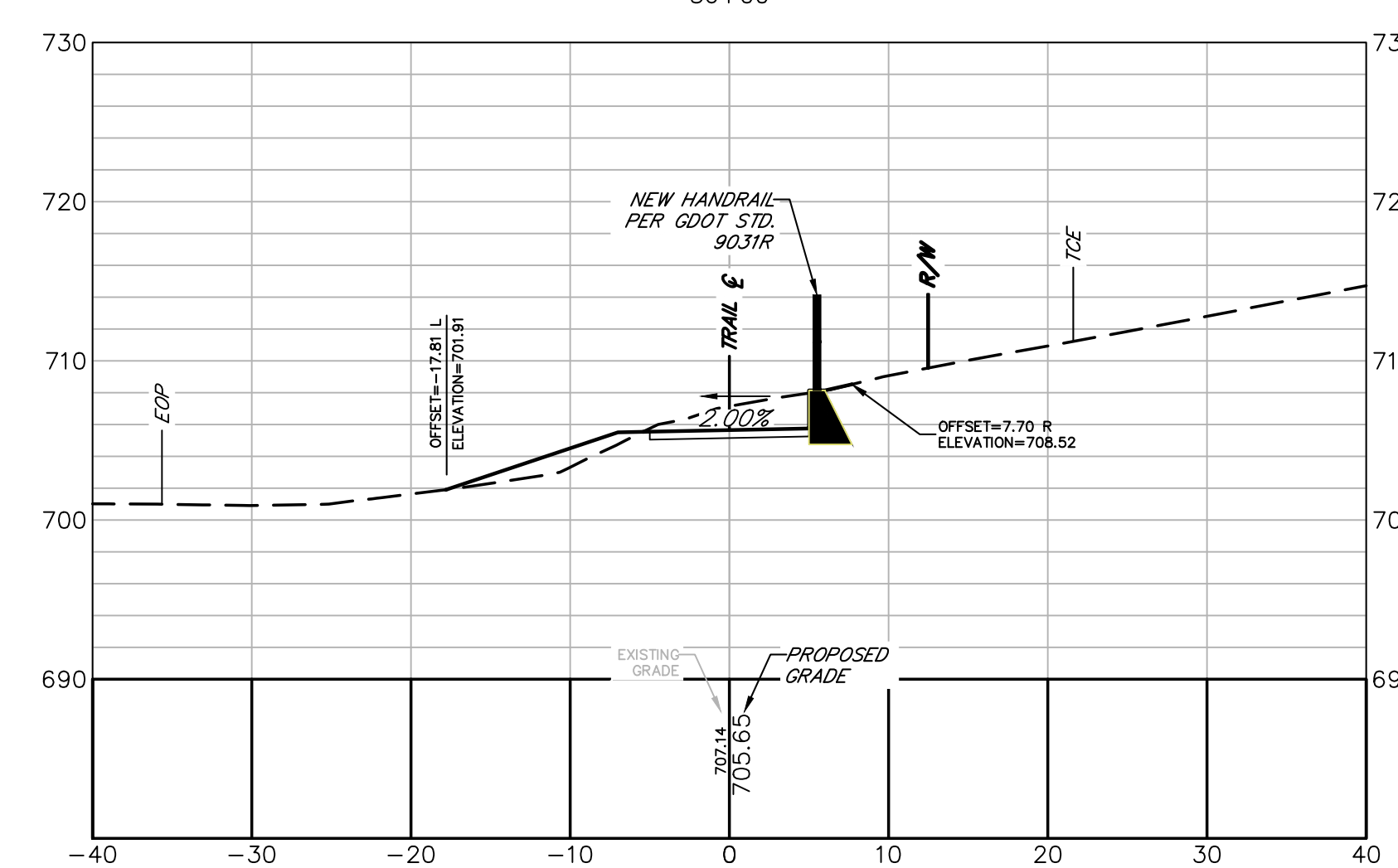
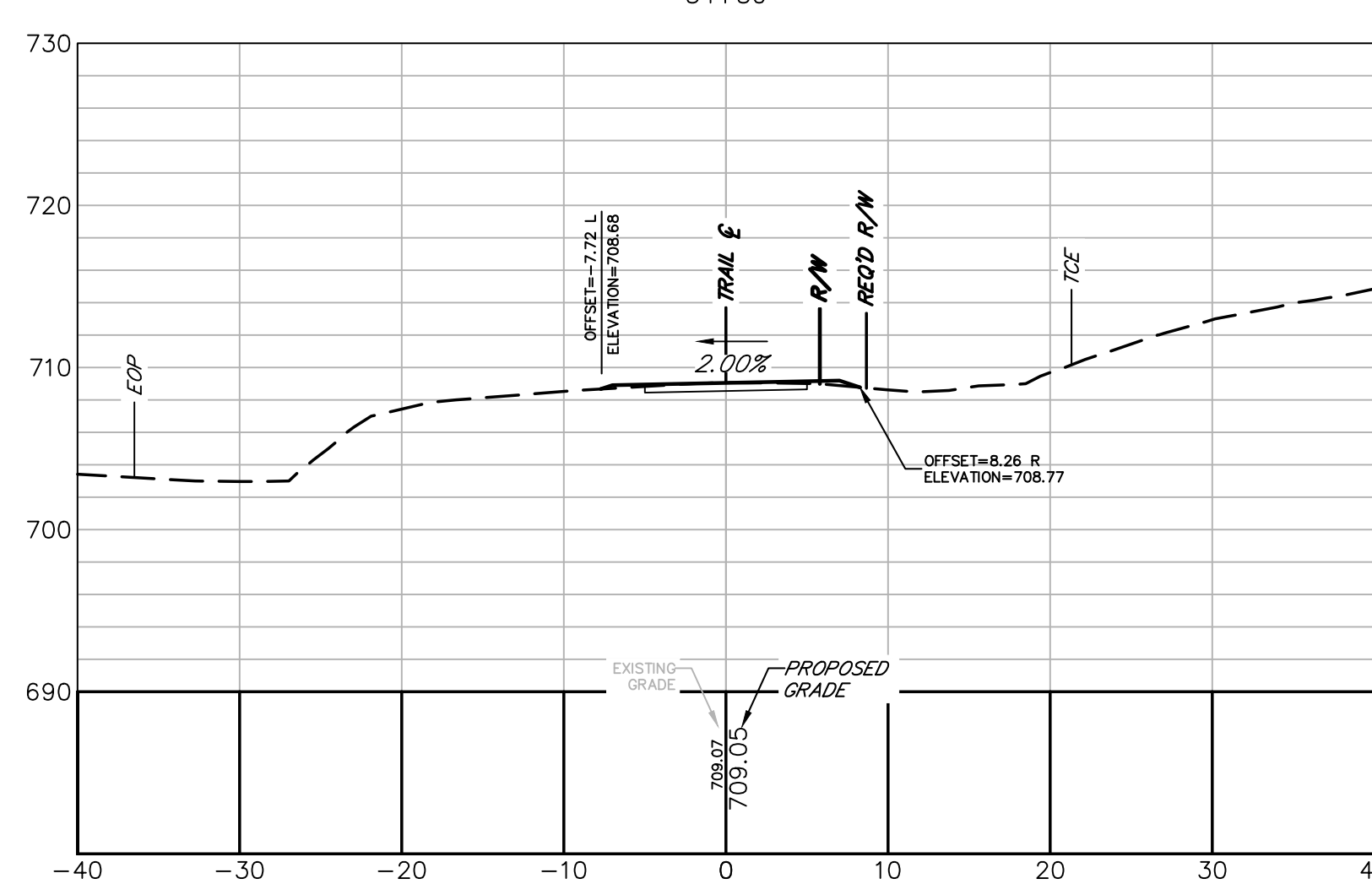
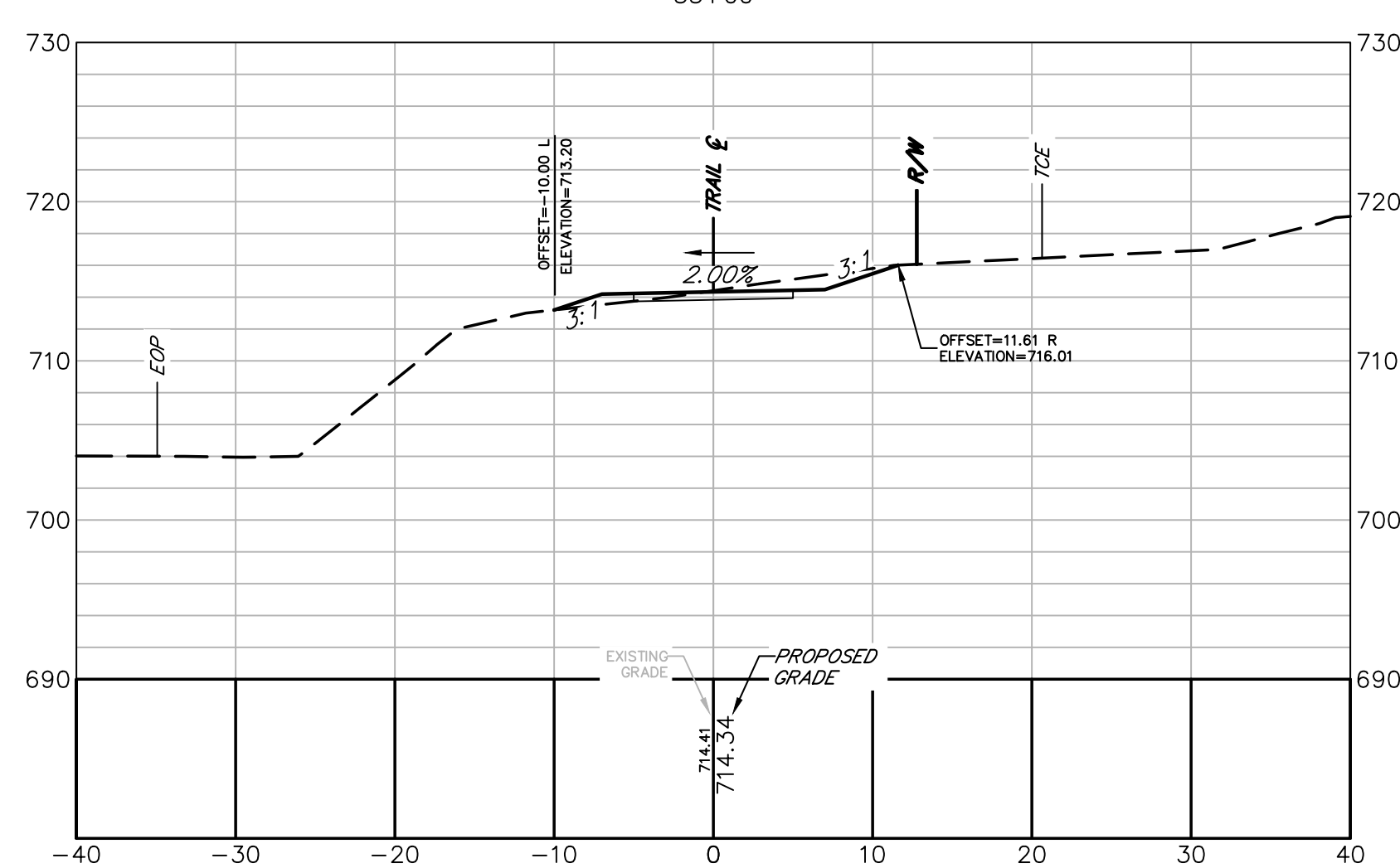
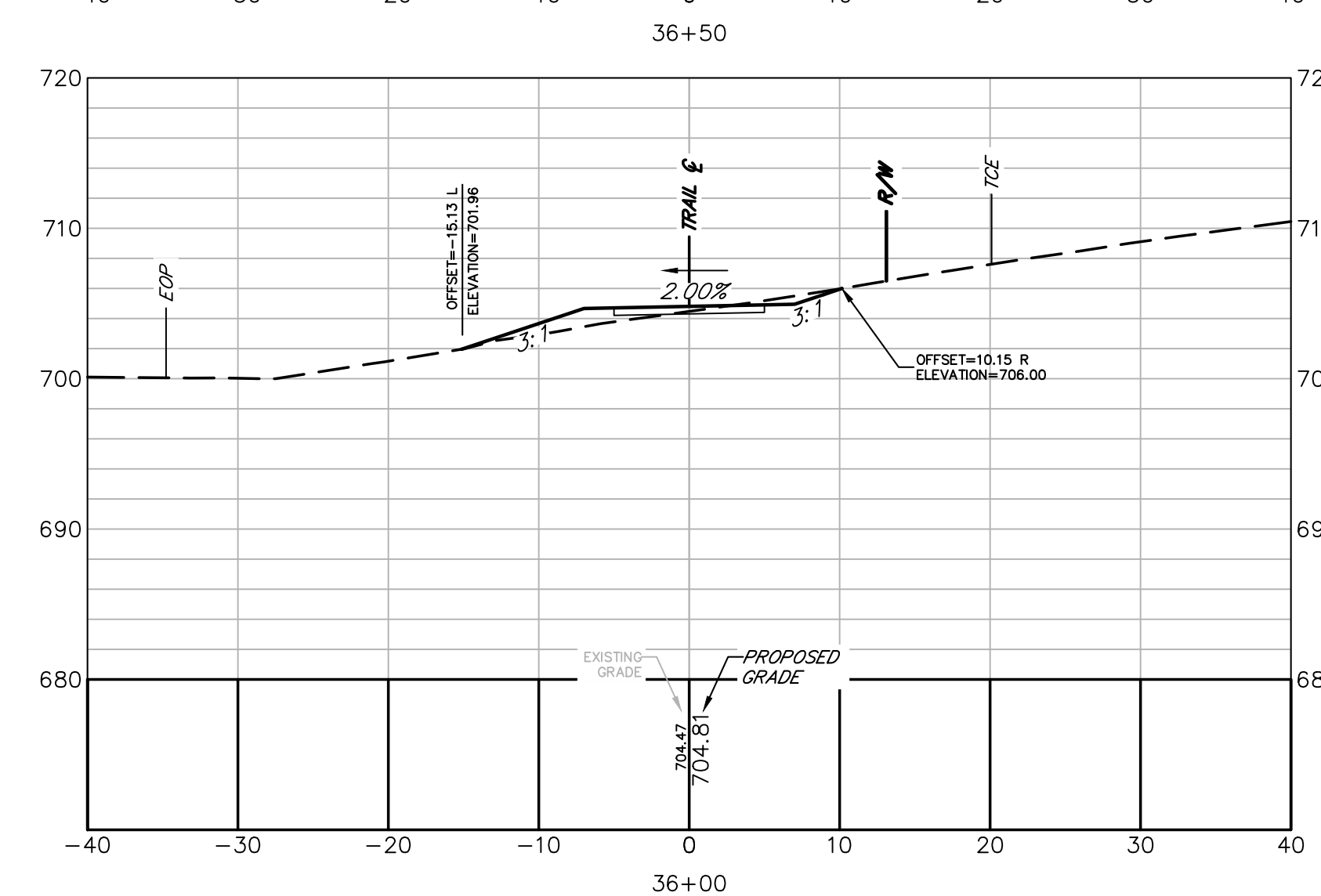
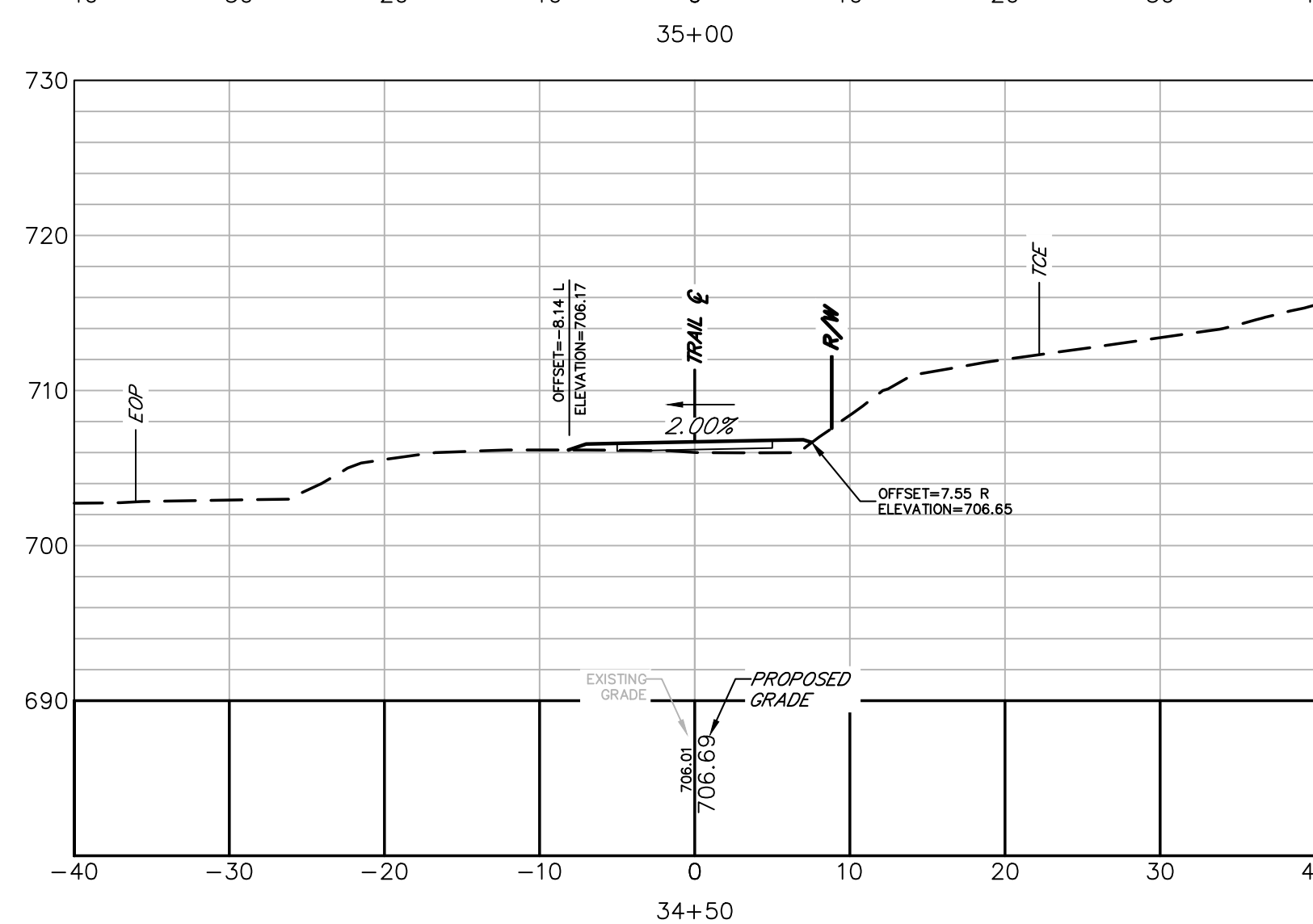
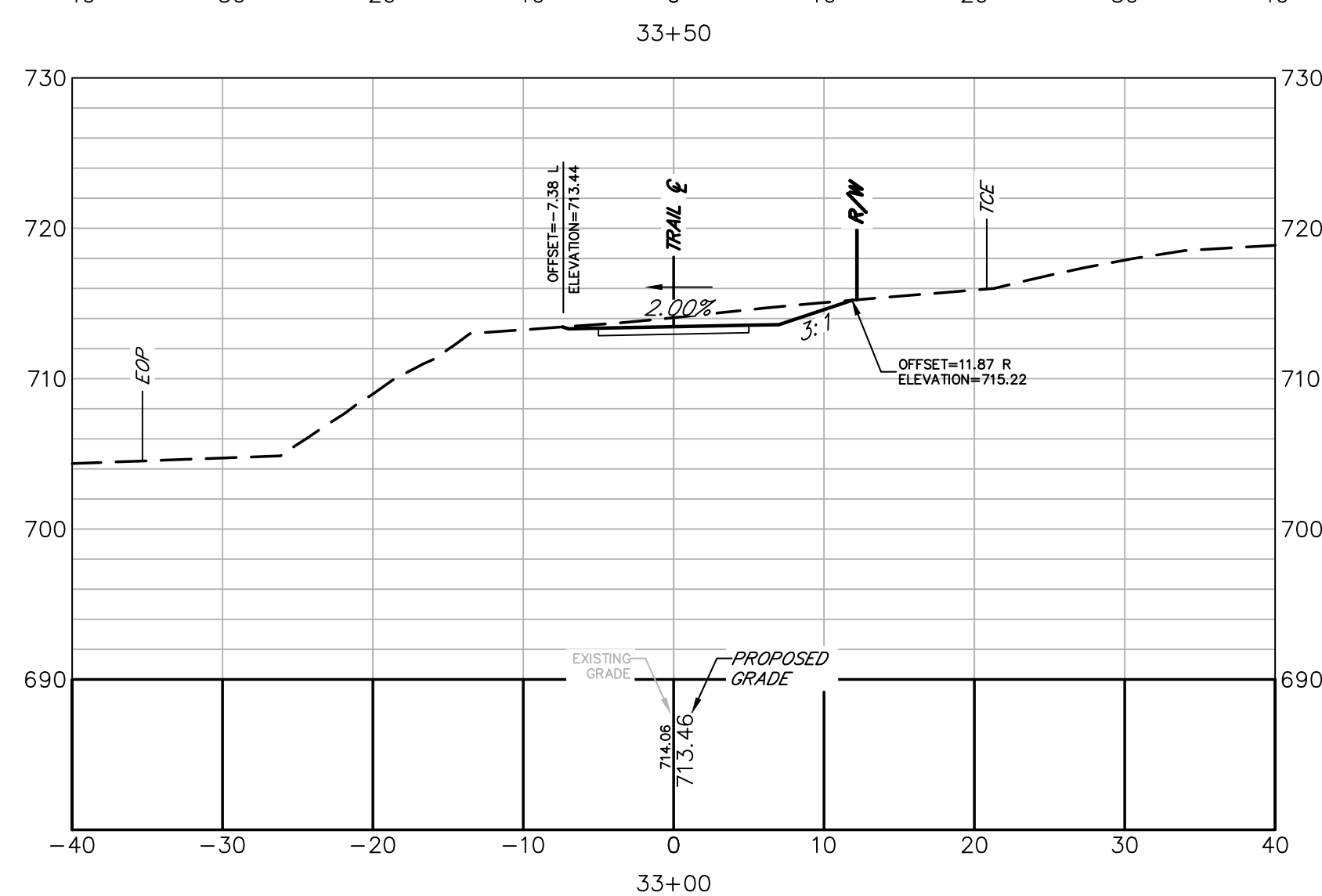
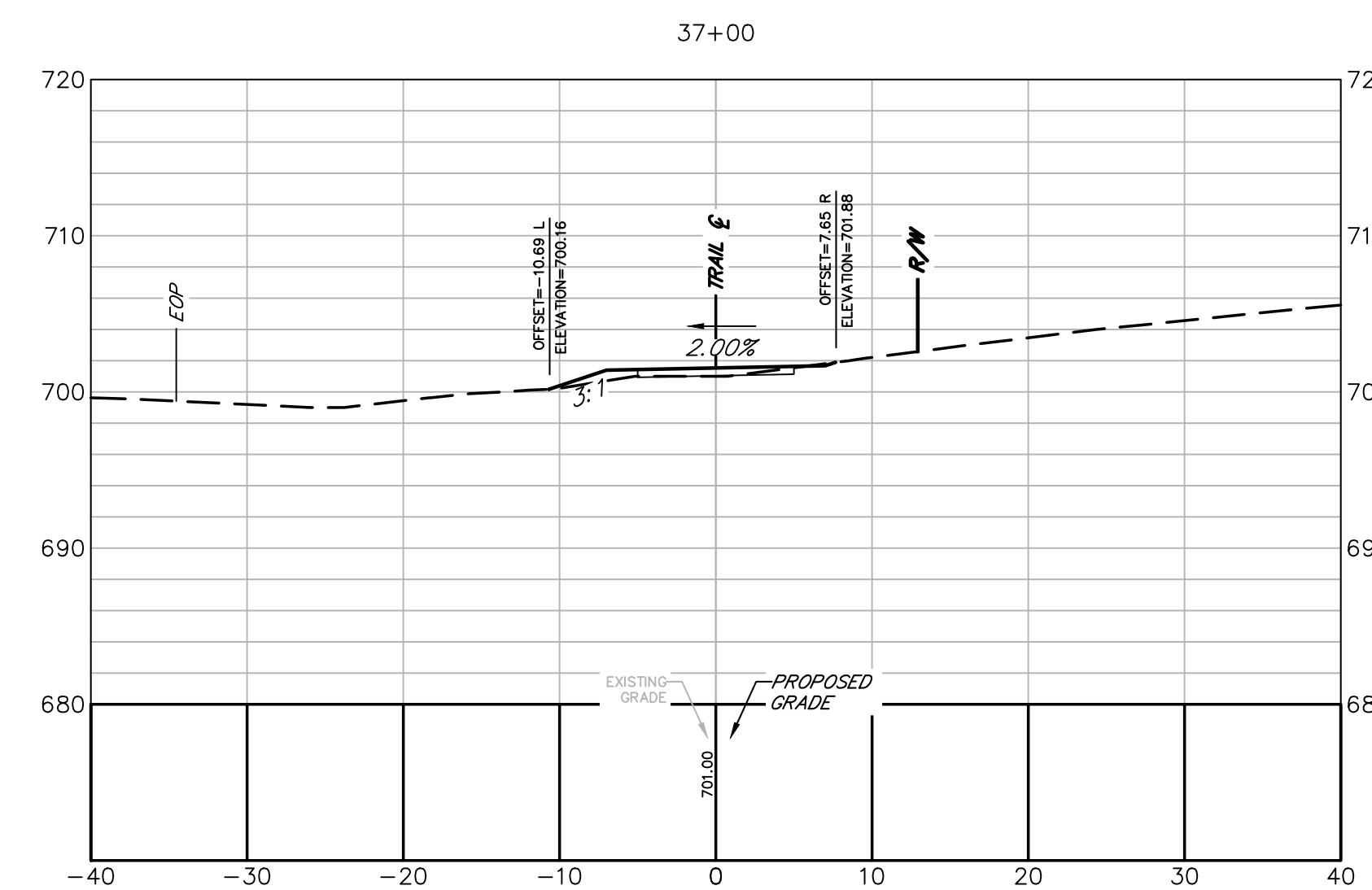
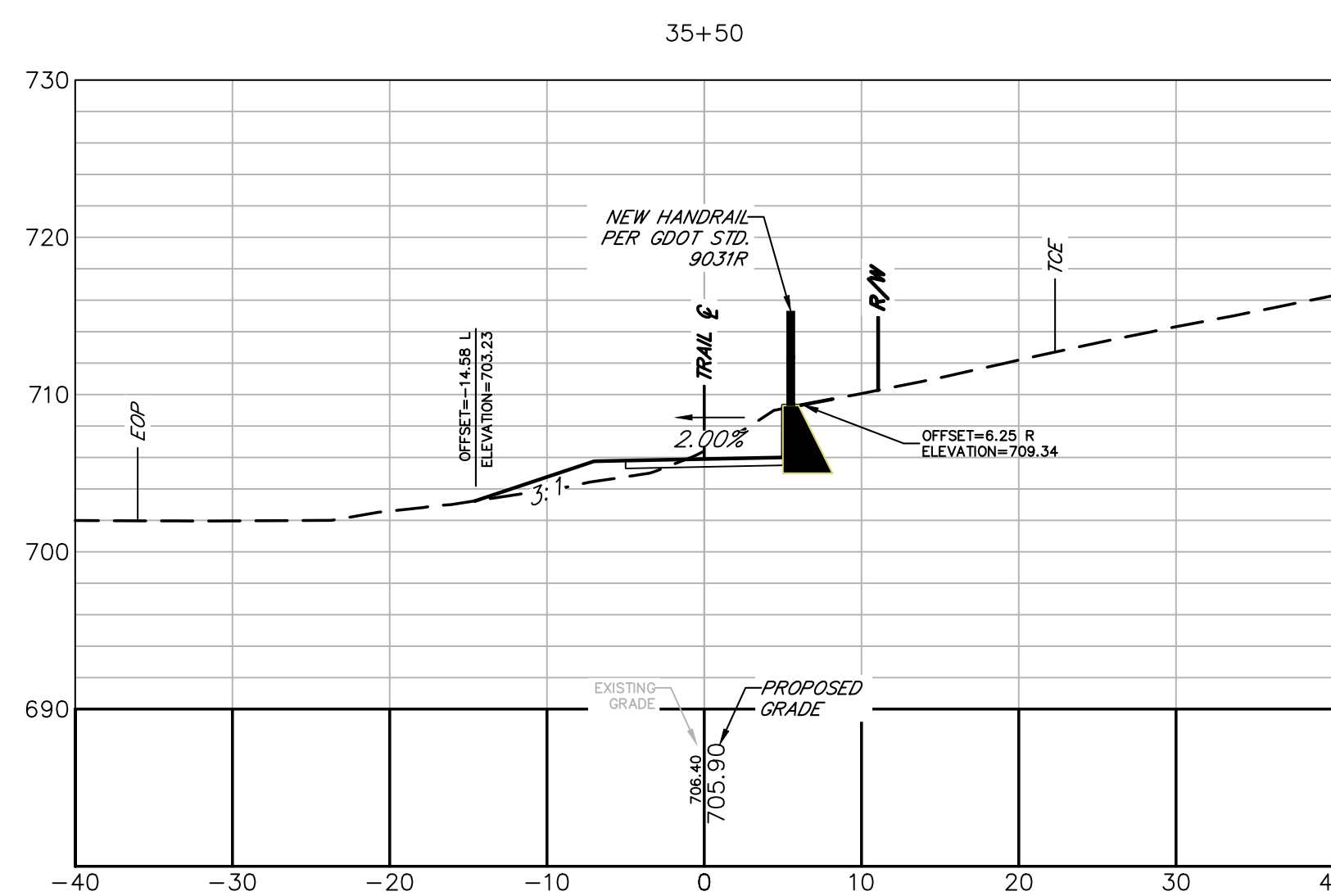
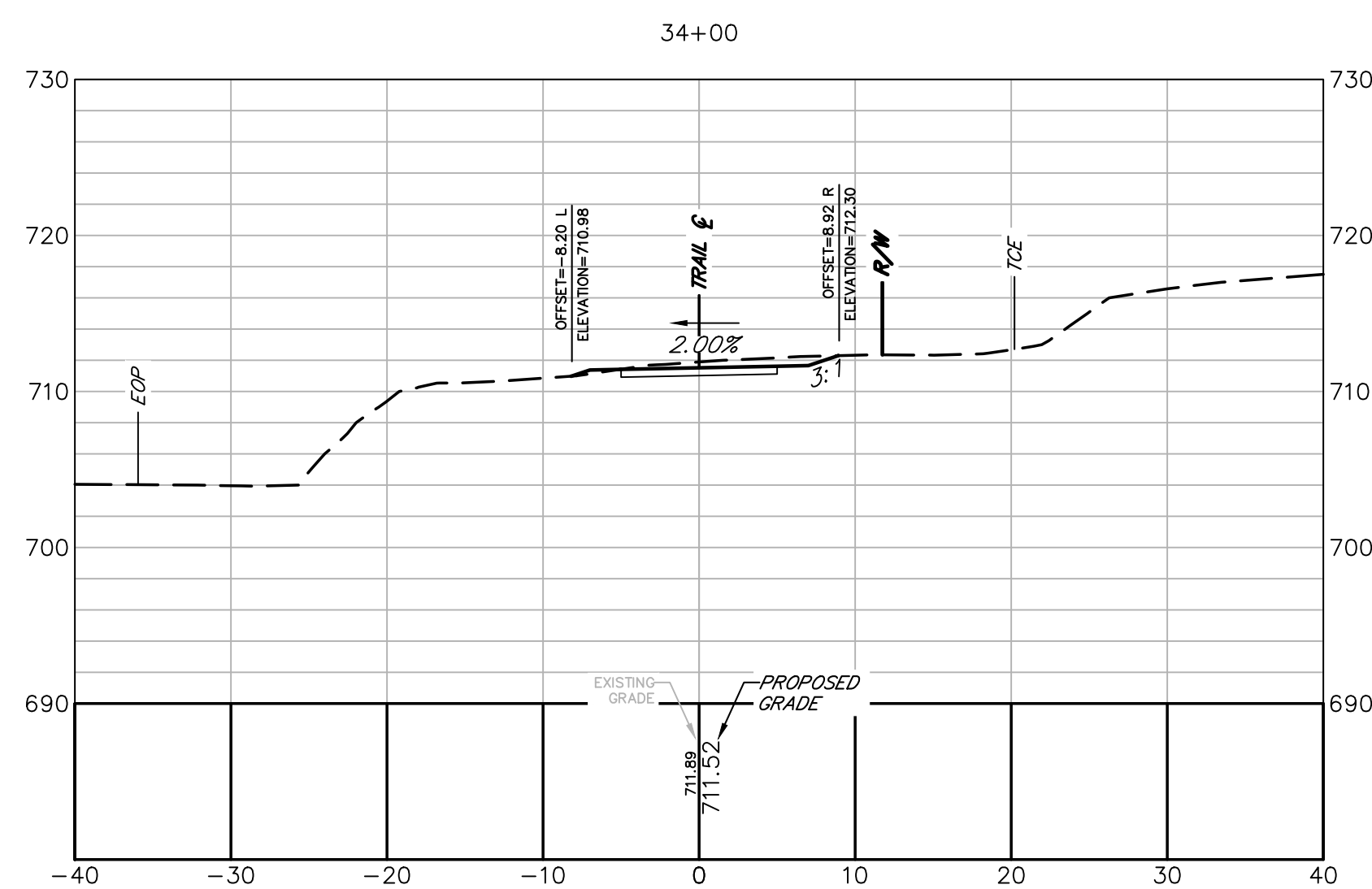
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DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-004

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ATHENS-CLARKE
COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION	PROJECT NO.	DATE	SHEET NO.	SHEET TOTAL	PROJECT TITLE	PROJECT LOCATION	PROJECT DESCRIPTION	PROJECT STATUS
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JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

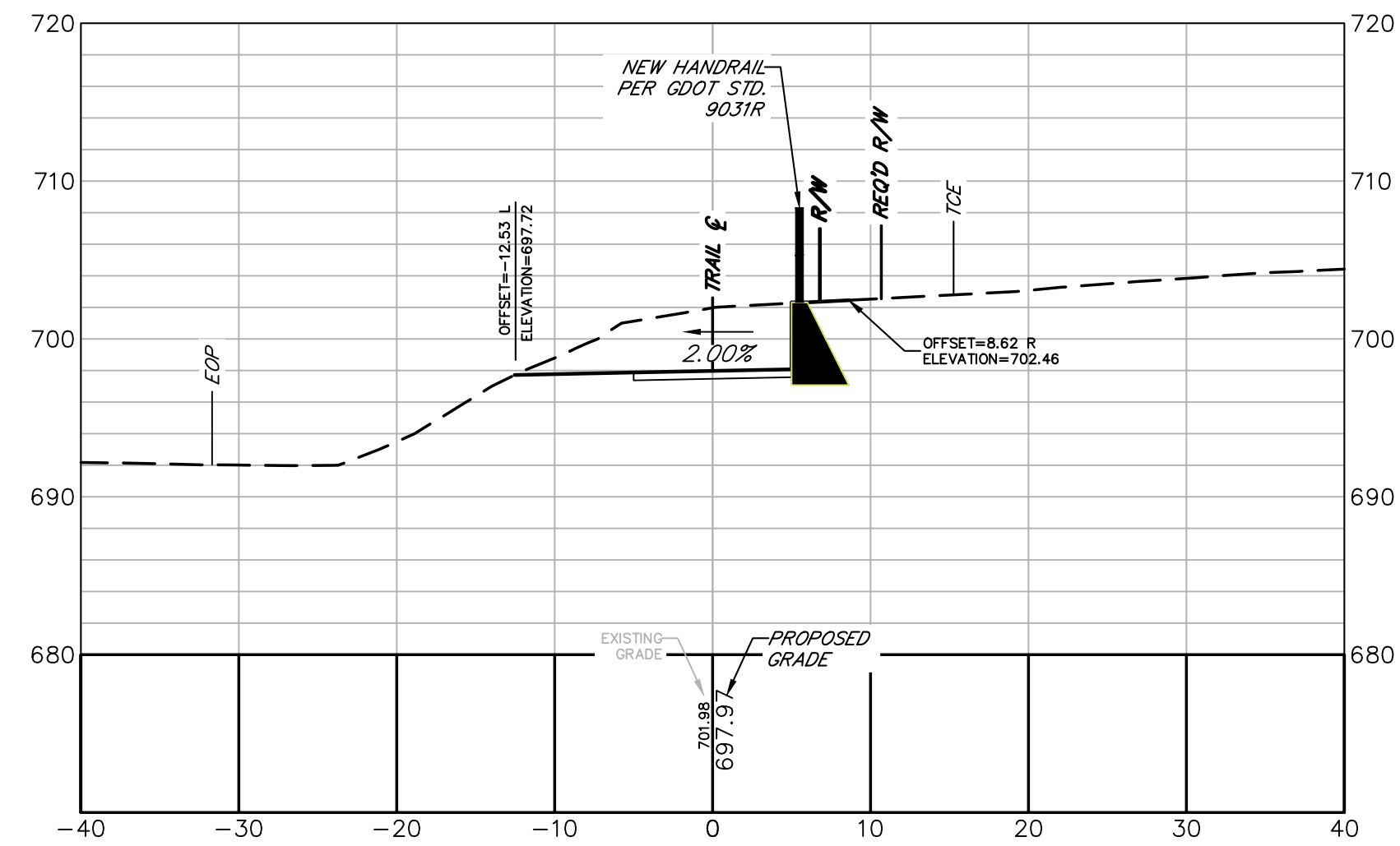
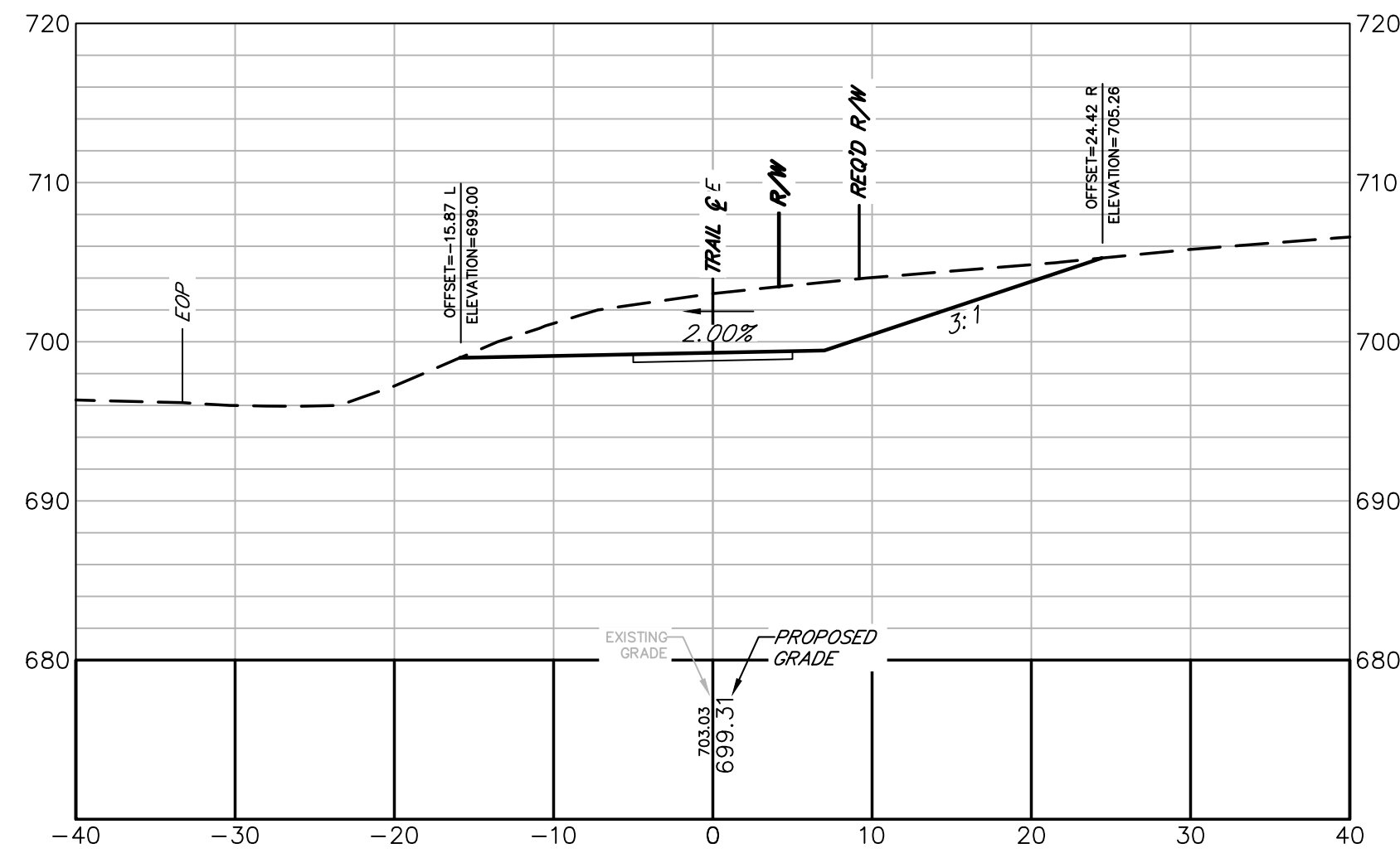
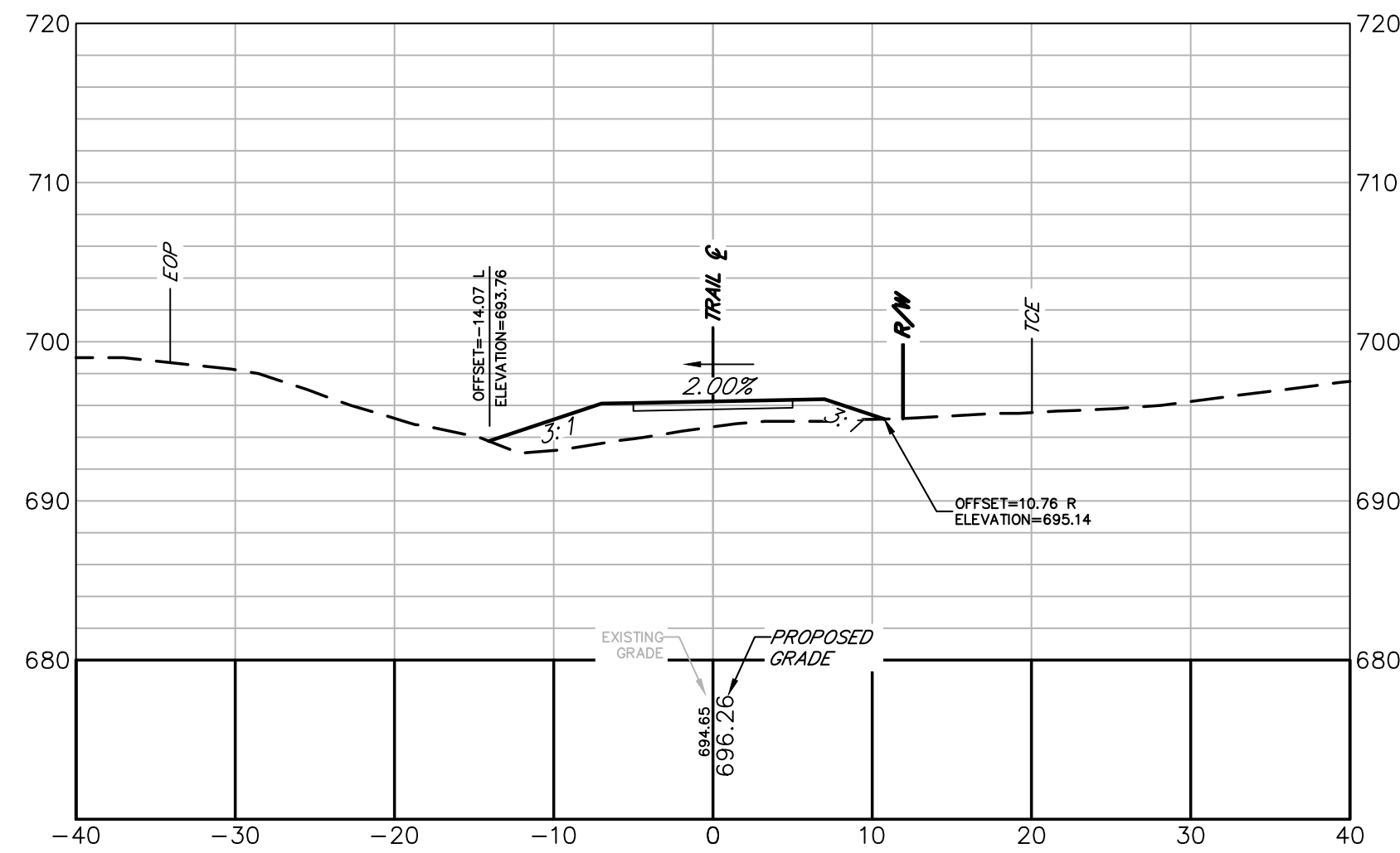
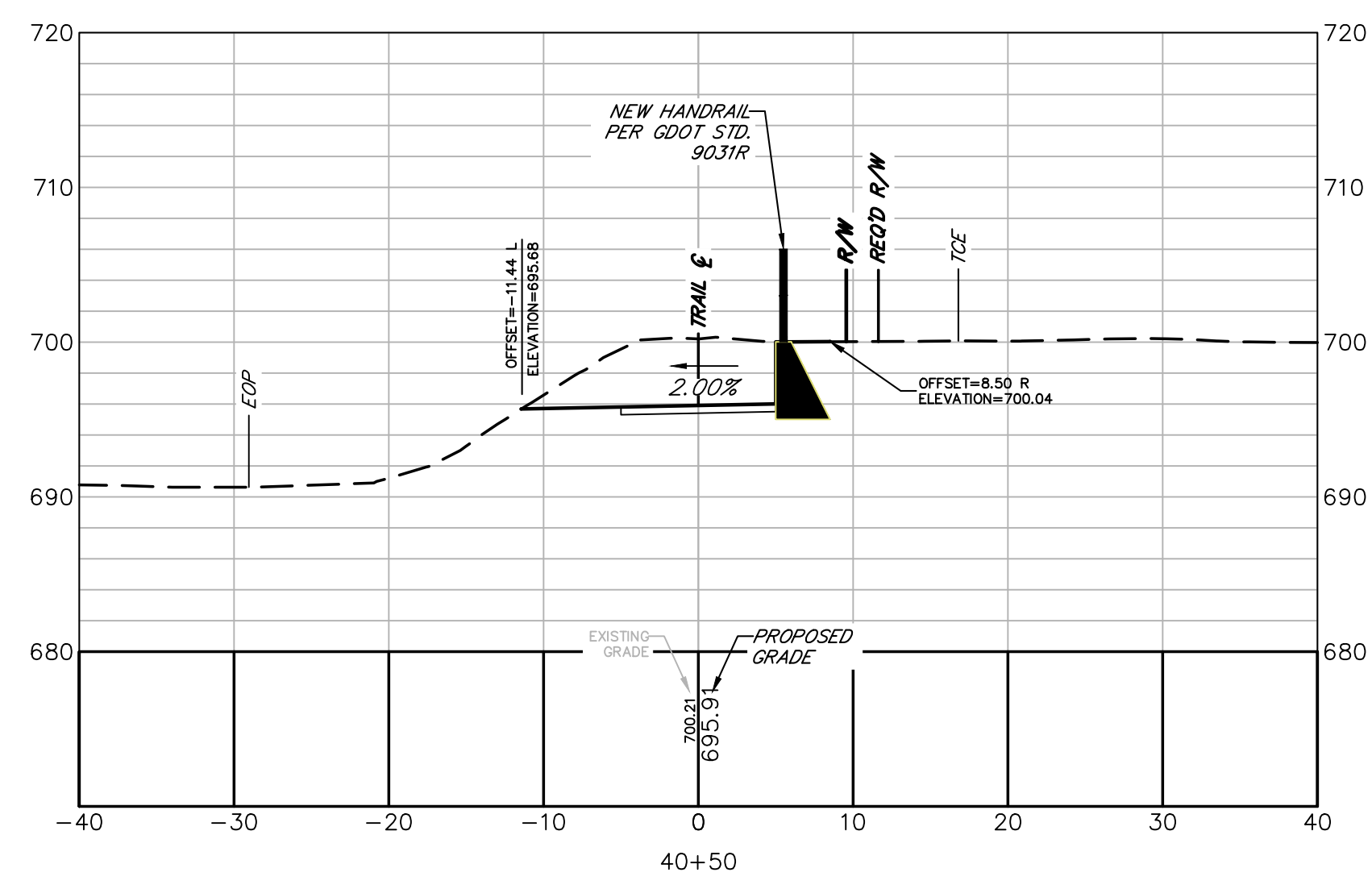
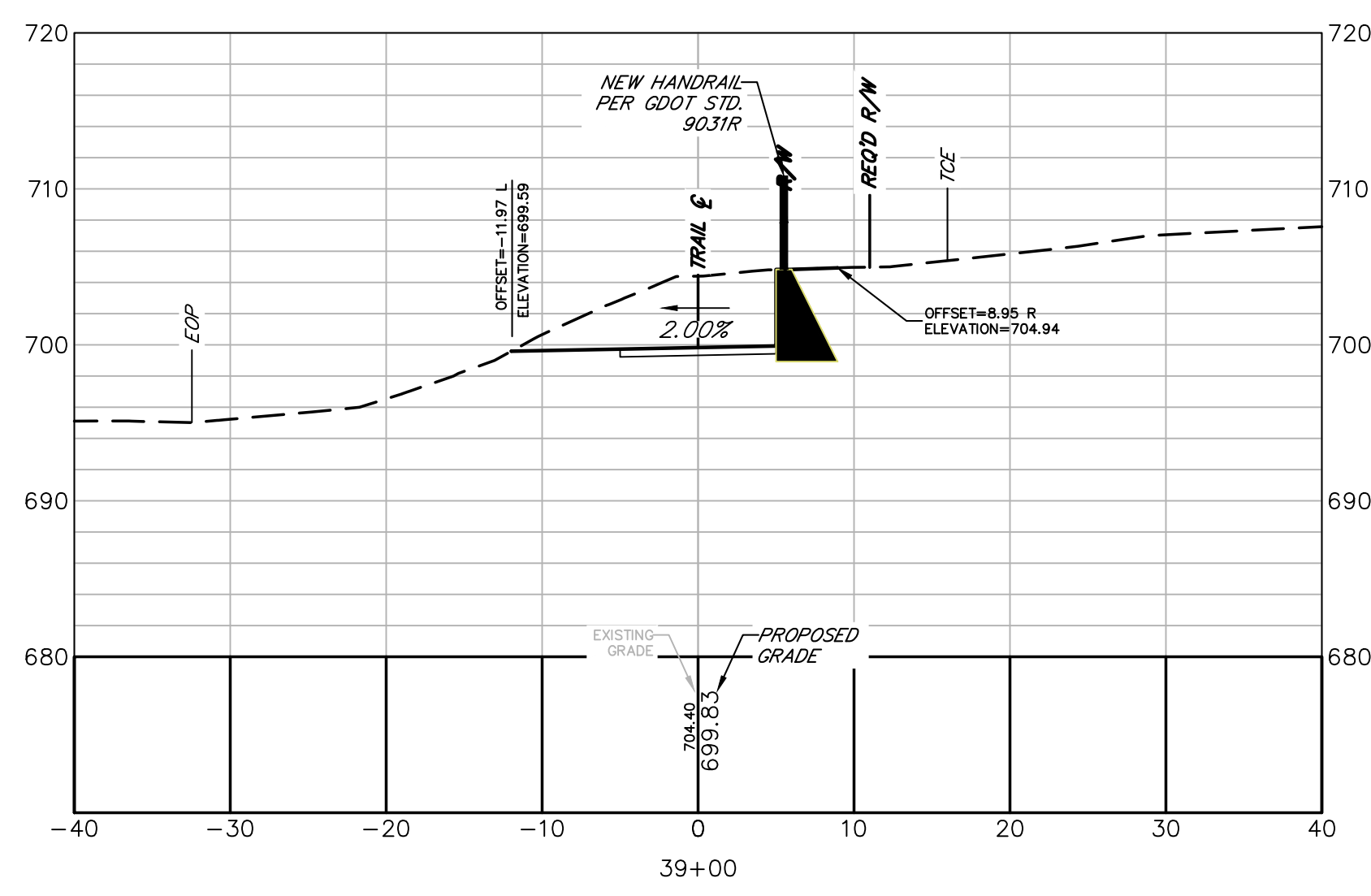
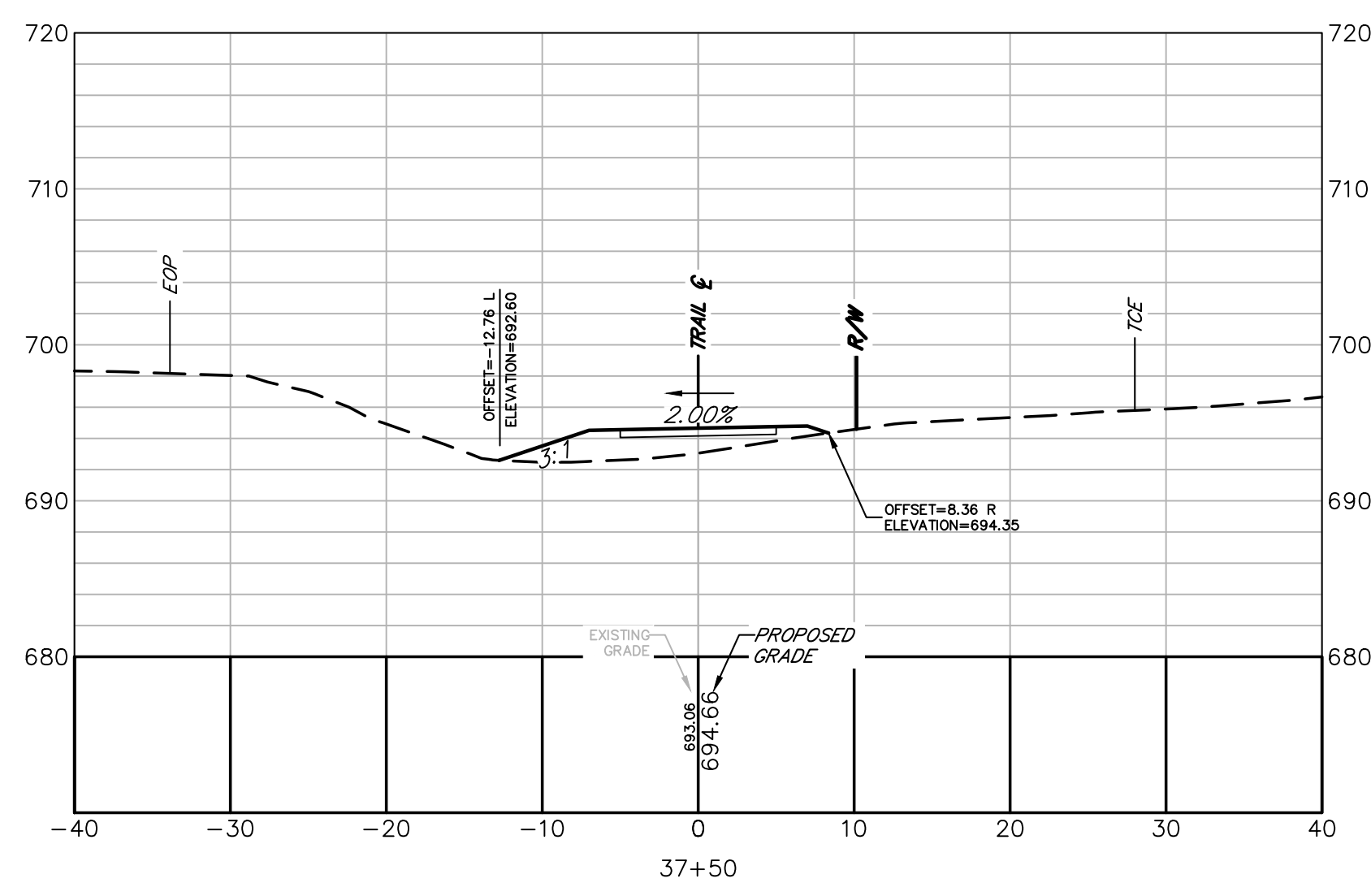
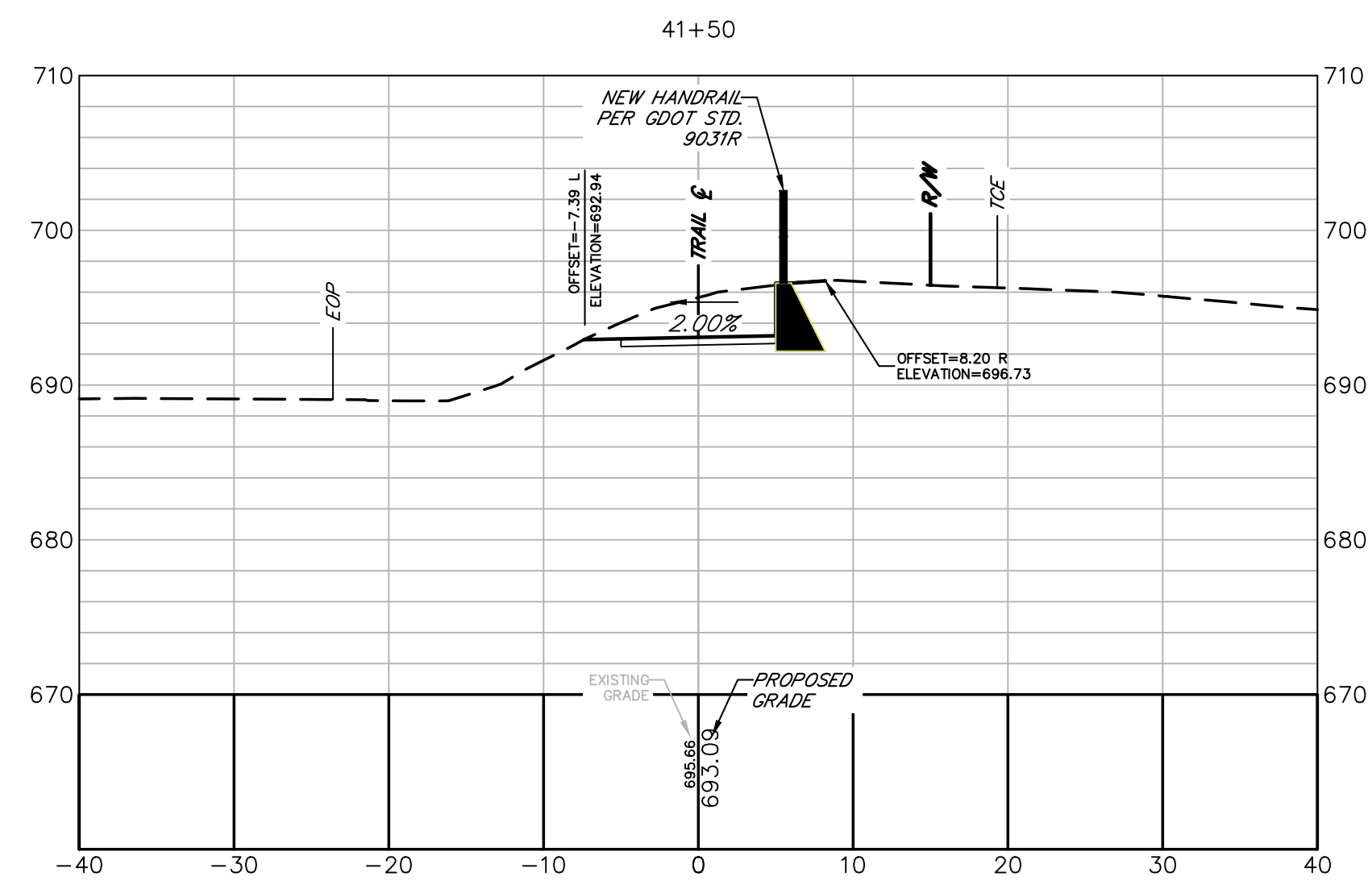
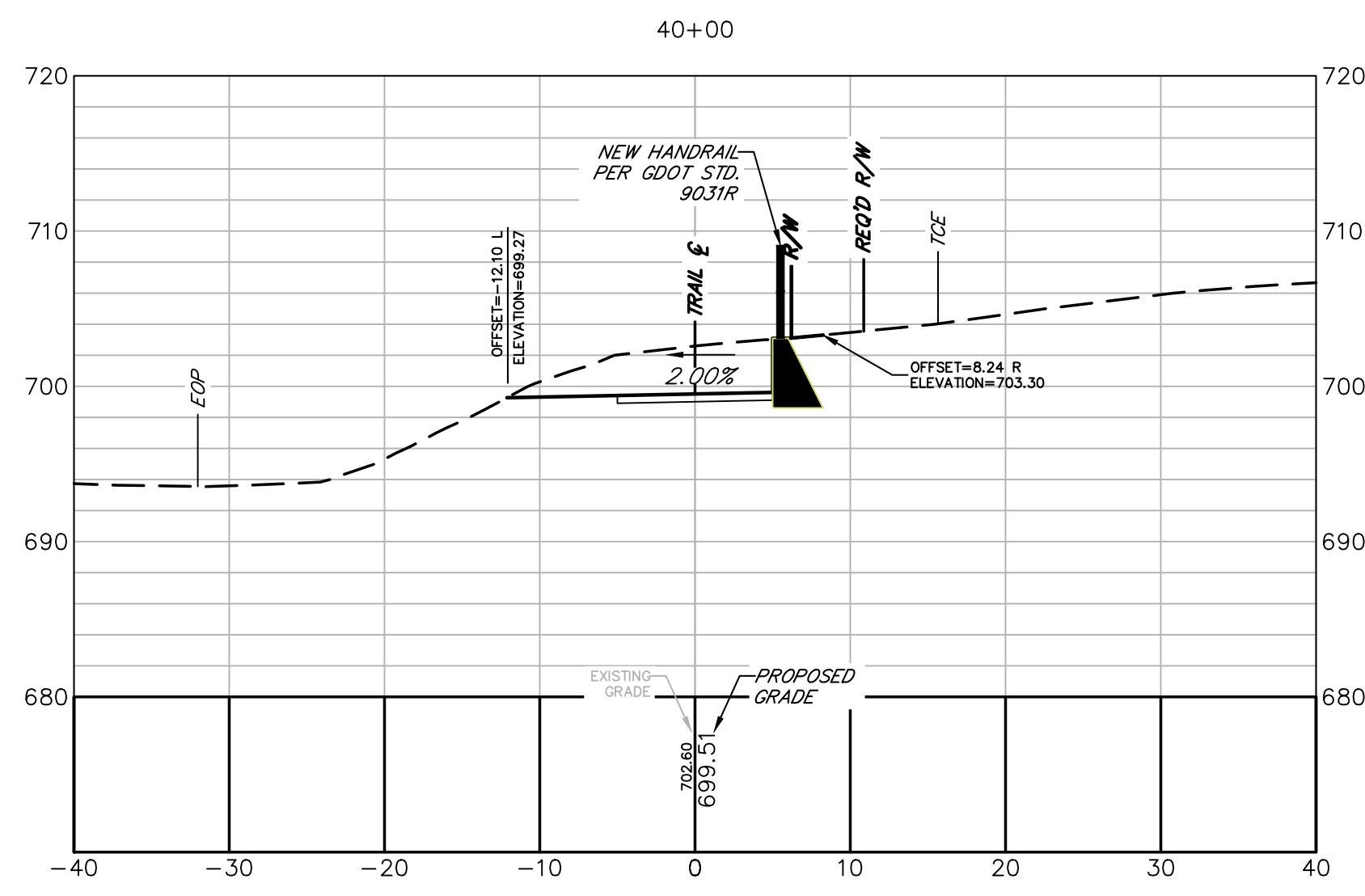
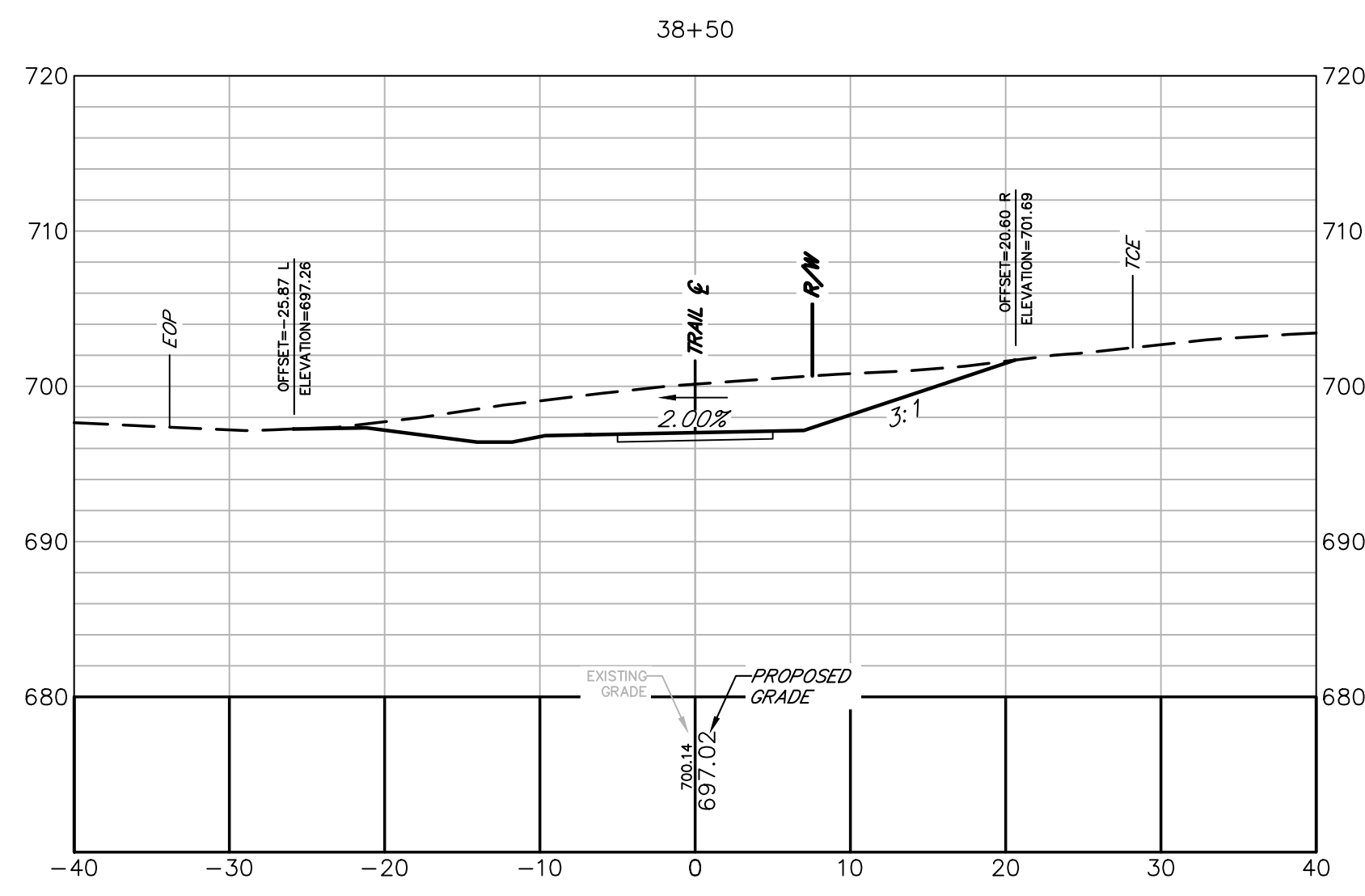
DRAWING FILE: 19023002E.DWG

DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-006

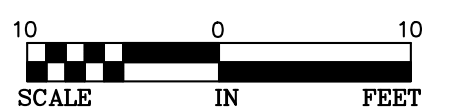


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COUNTY, GA

HEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

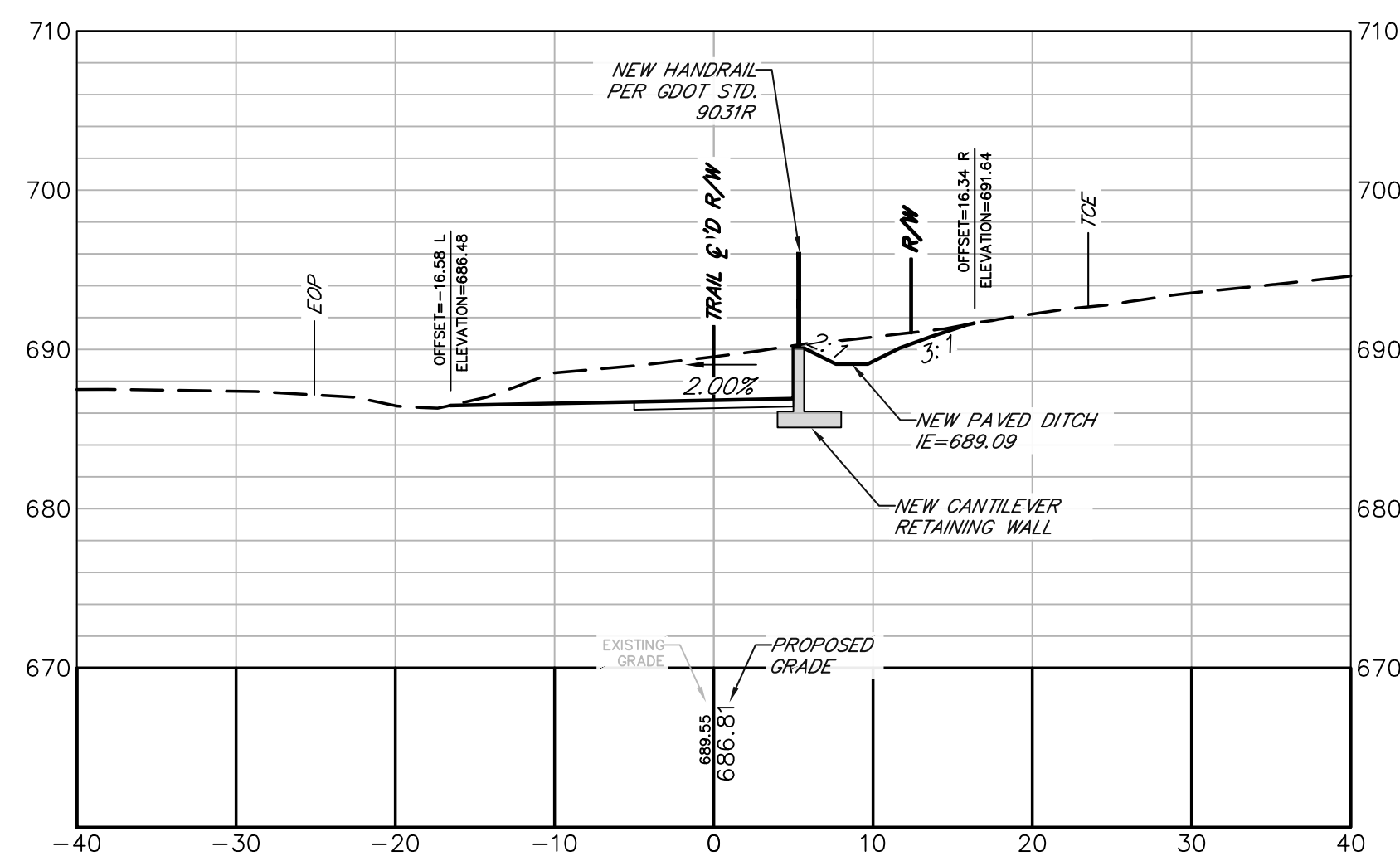
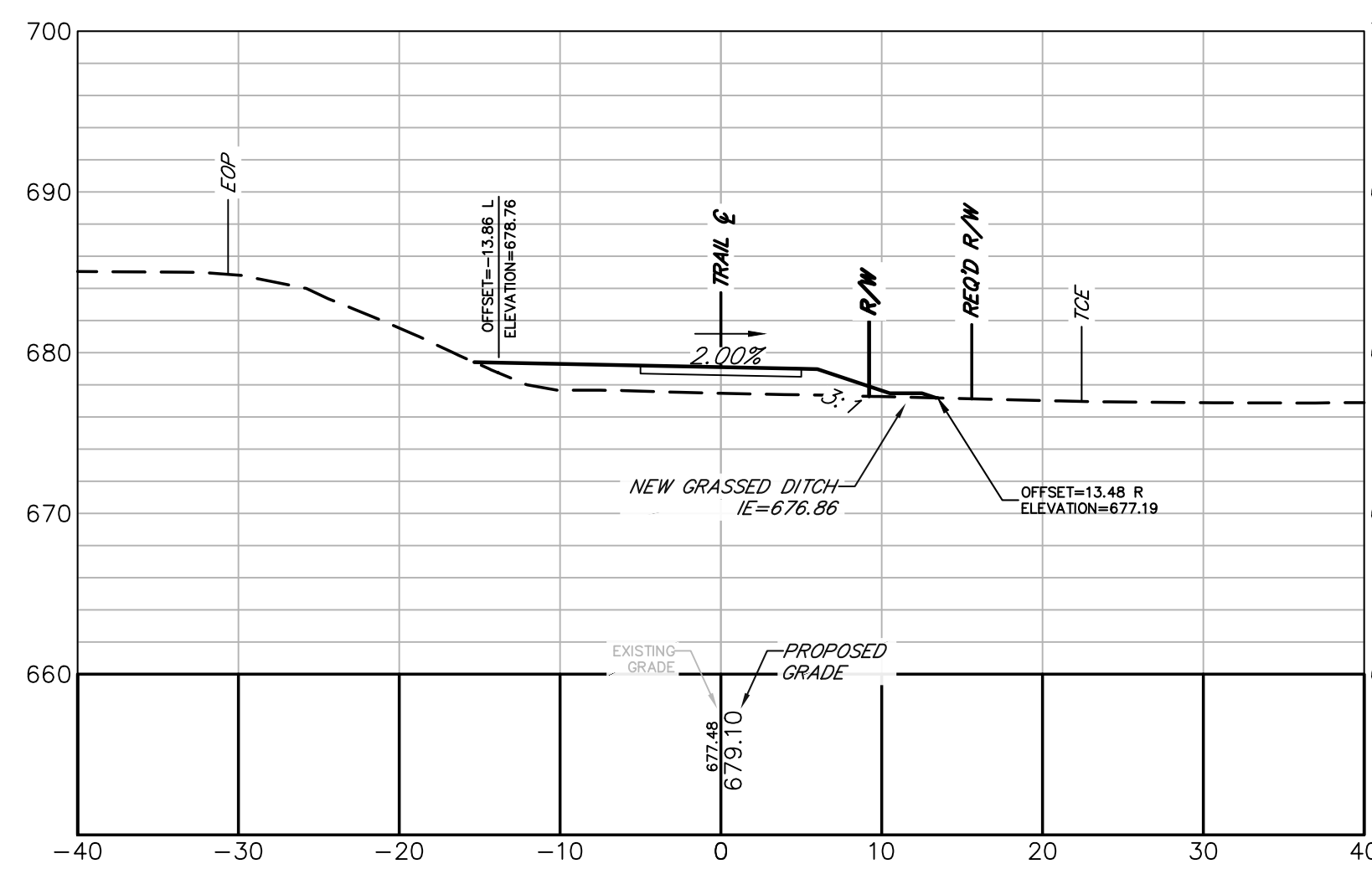
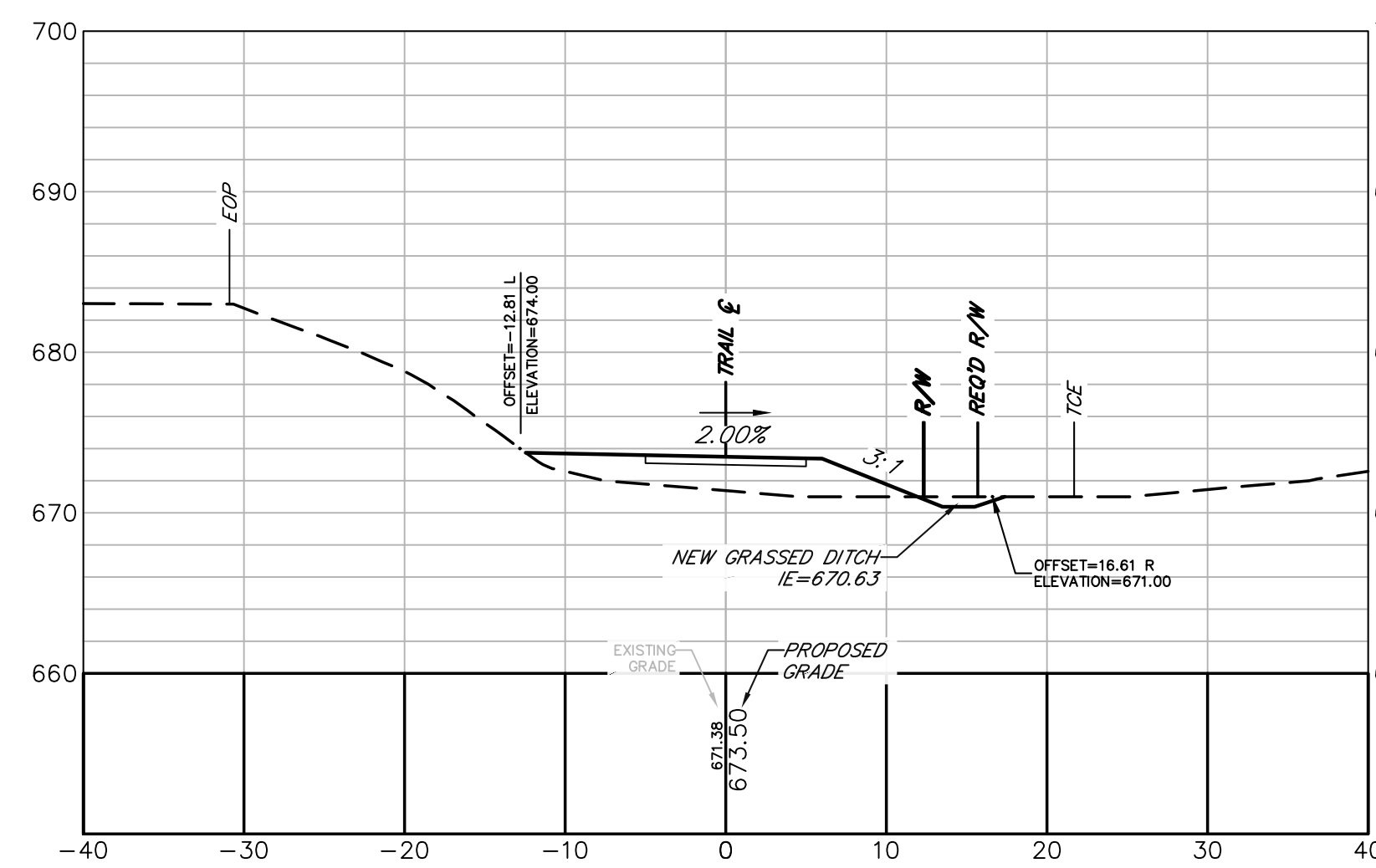
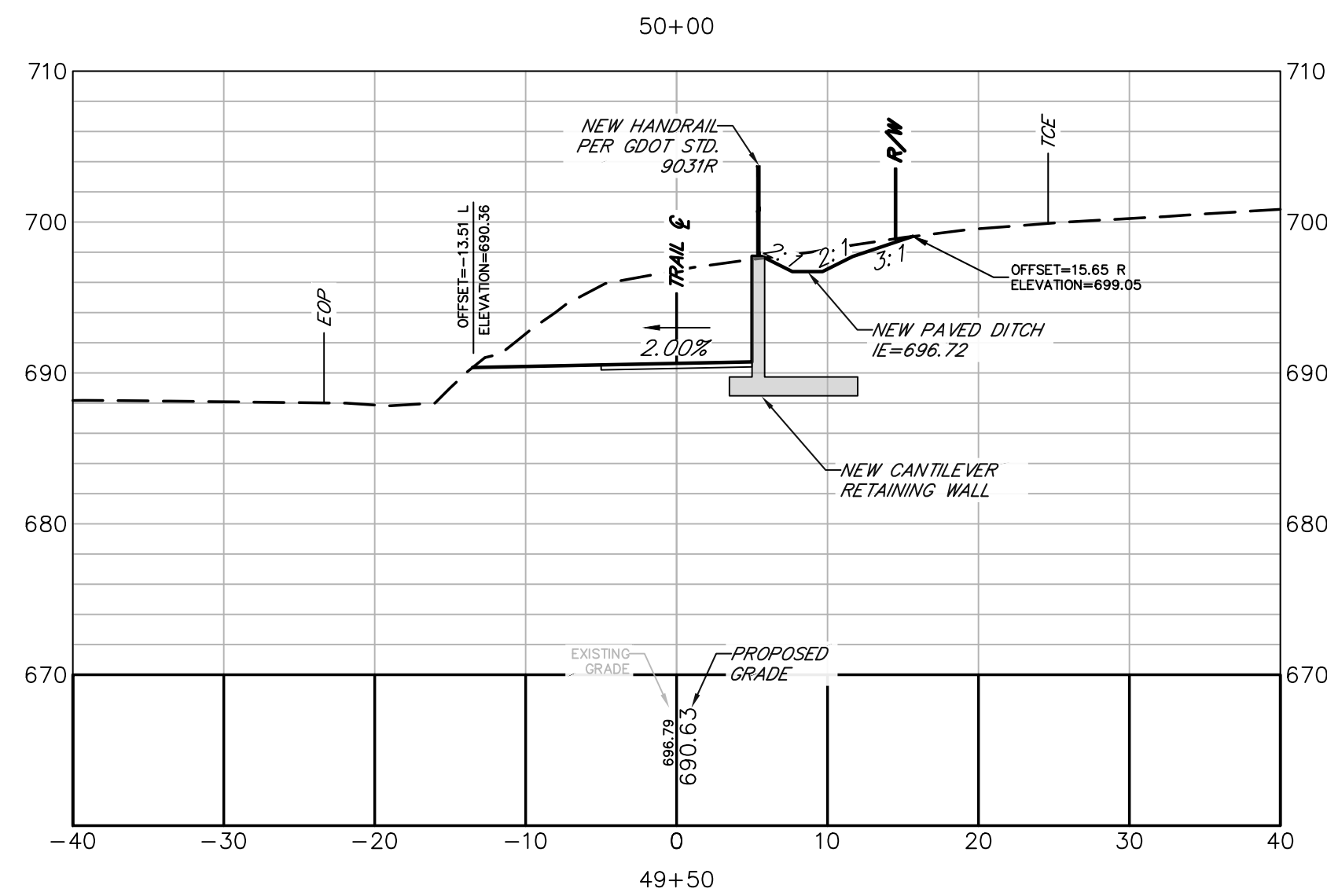
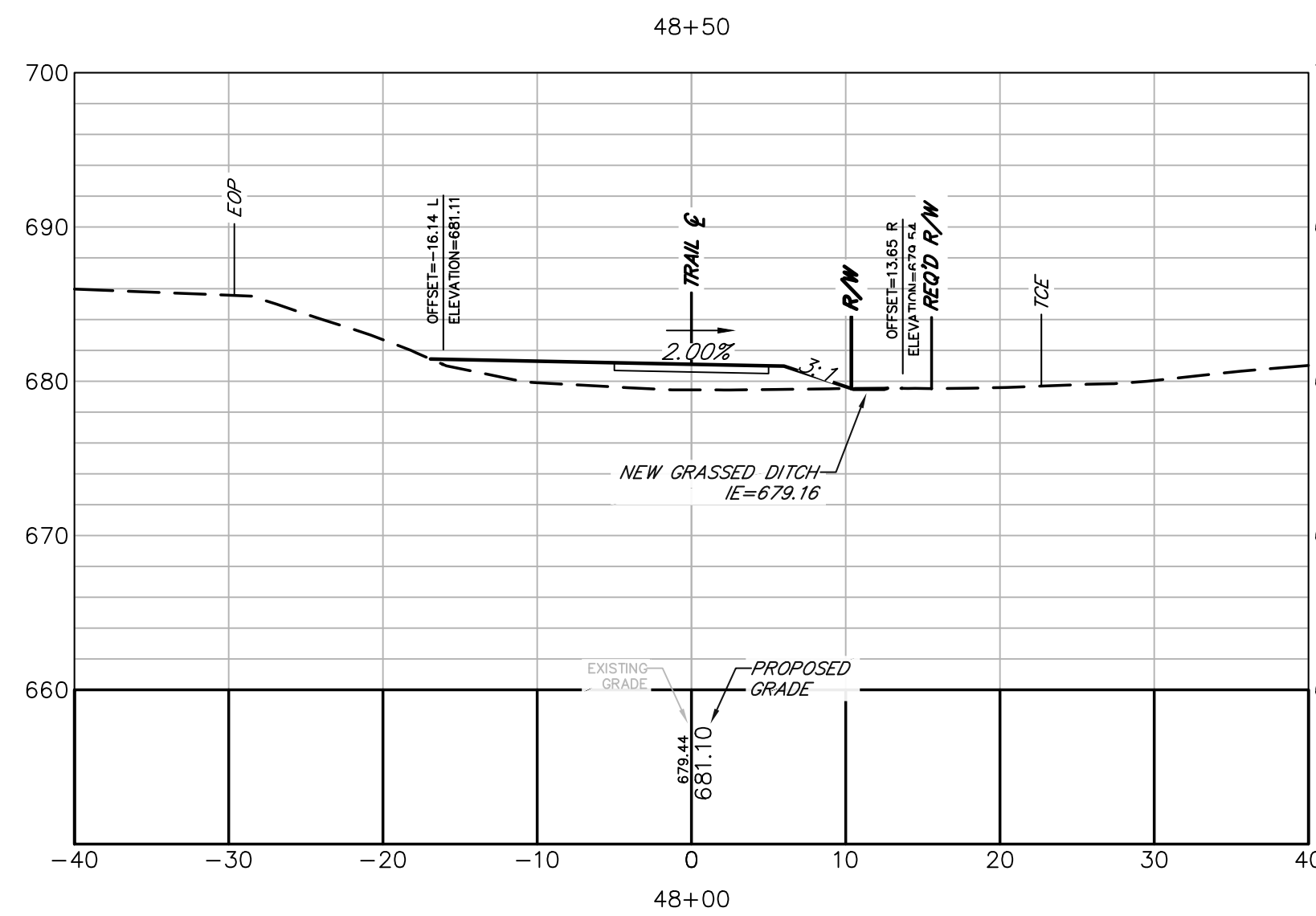
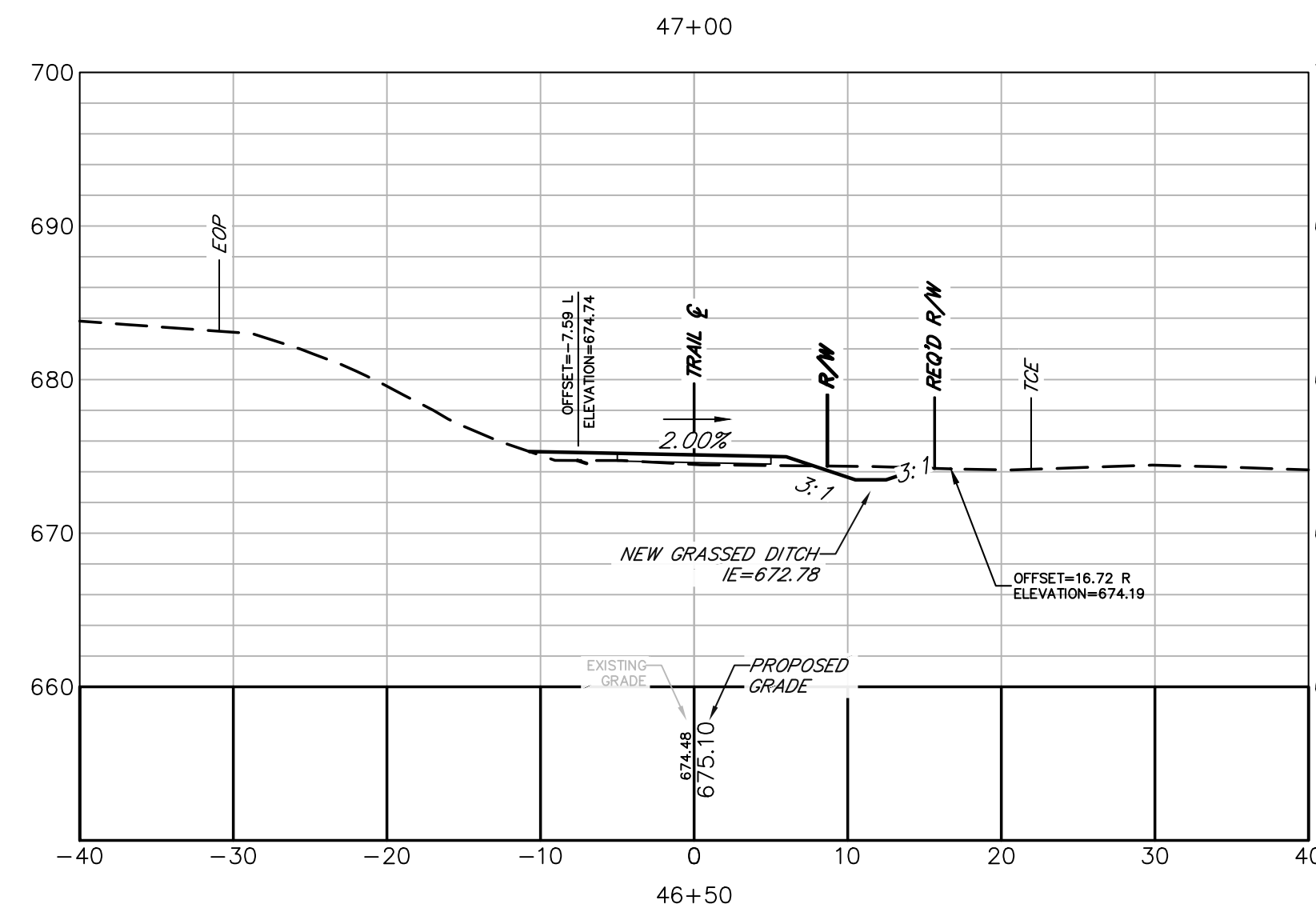
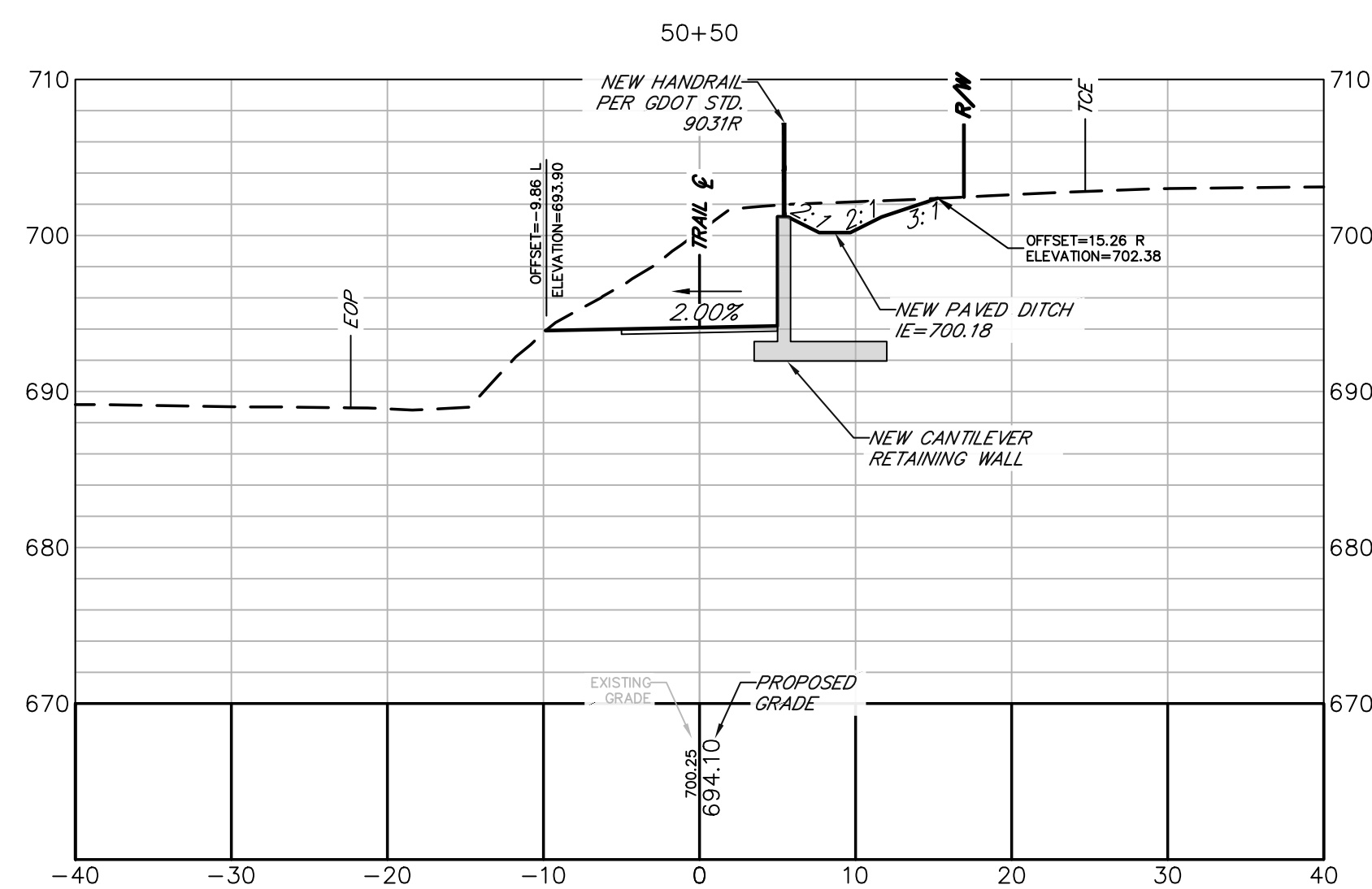
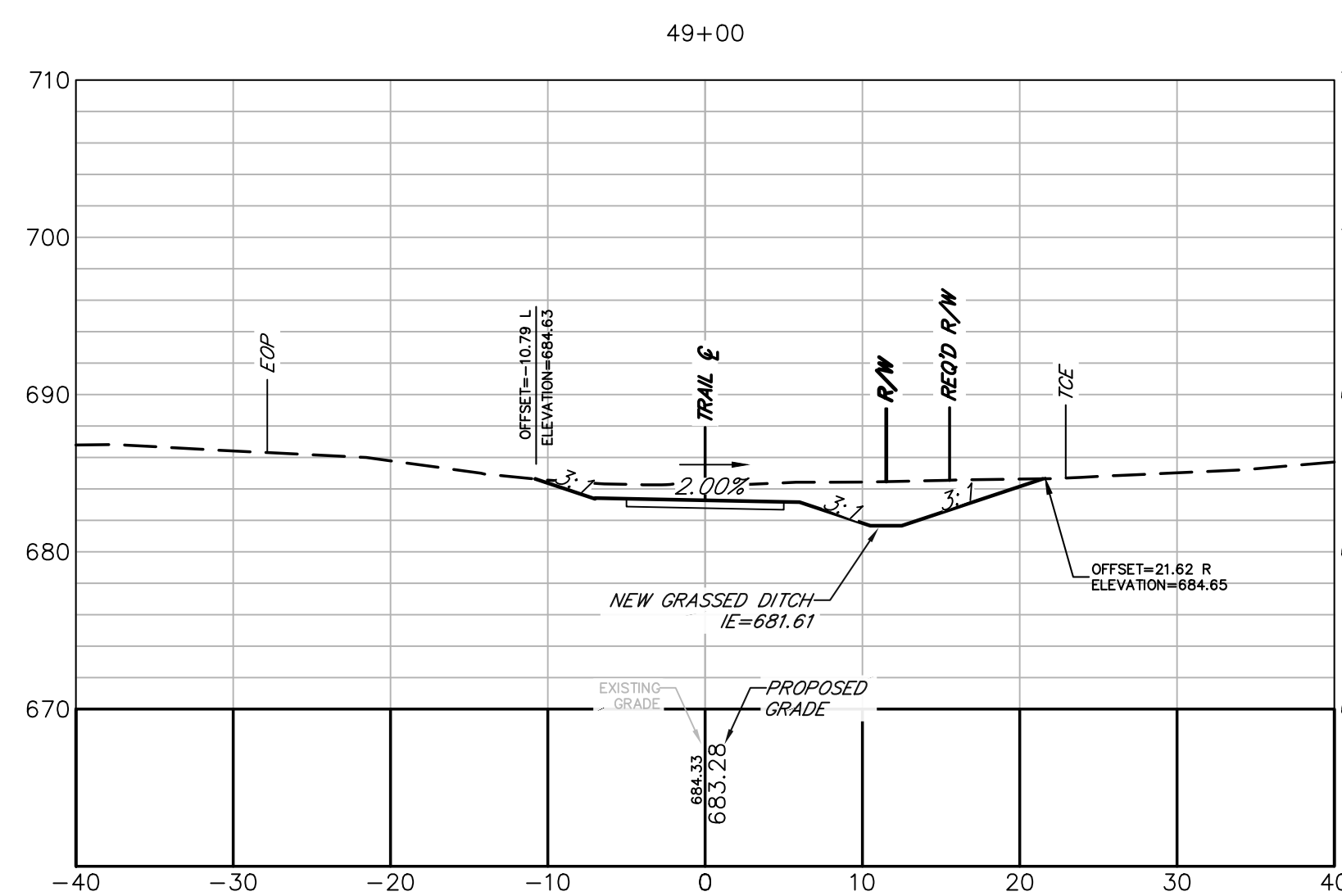
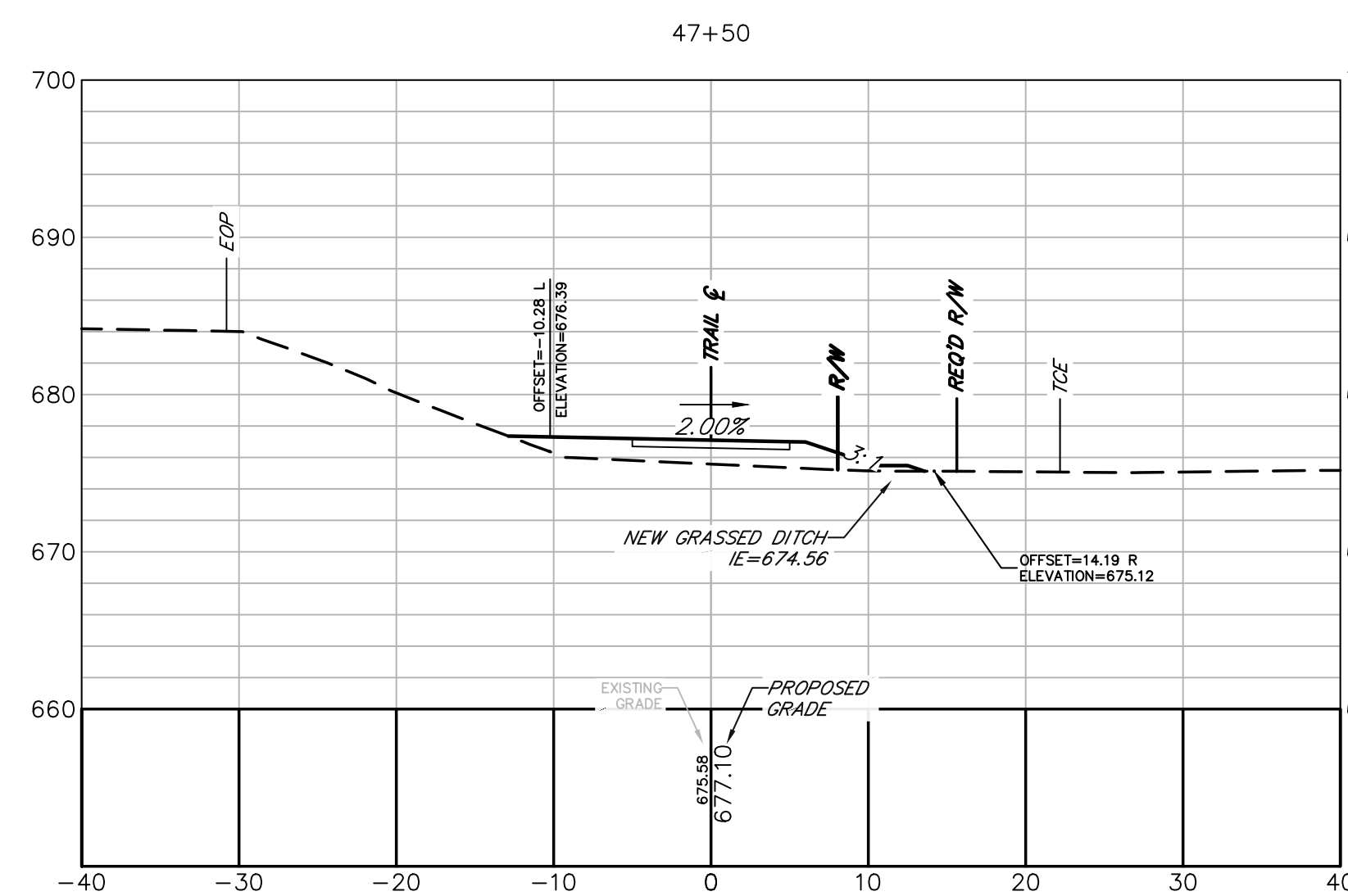
DRAWING FILE: 19023002E.DWG

DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

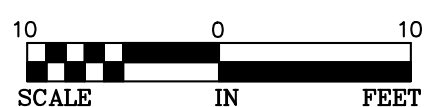
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ATHENS-CLARKE
COUNTY, GA

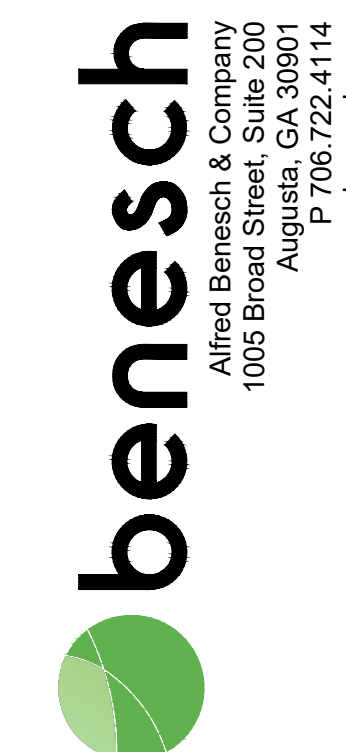
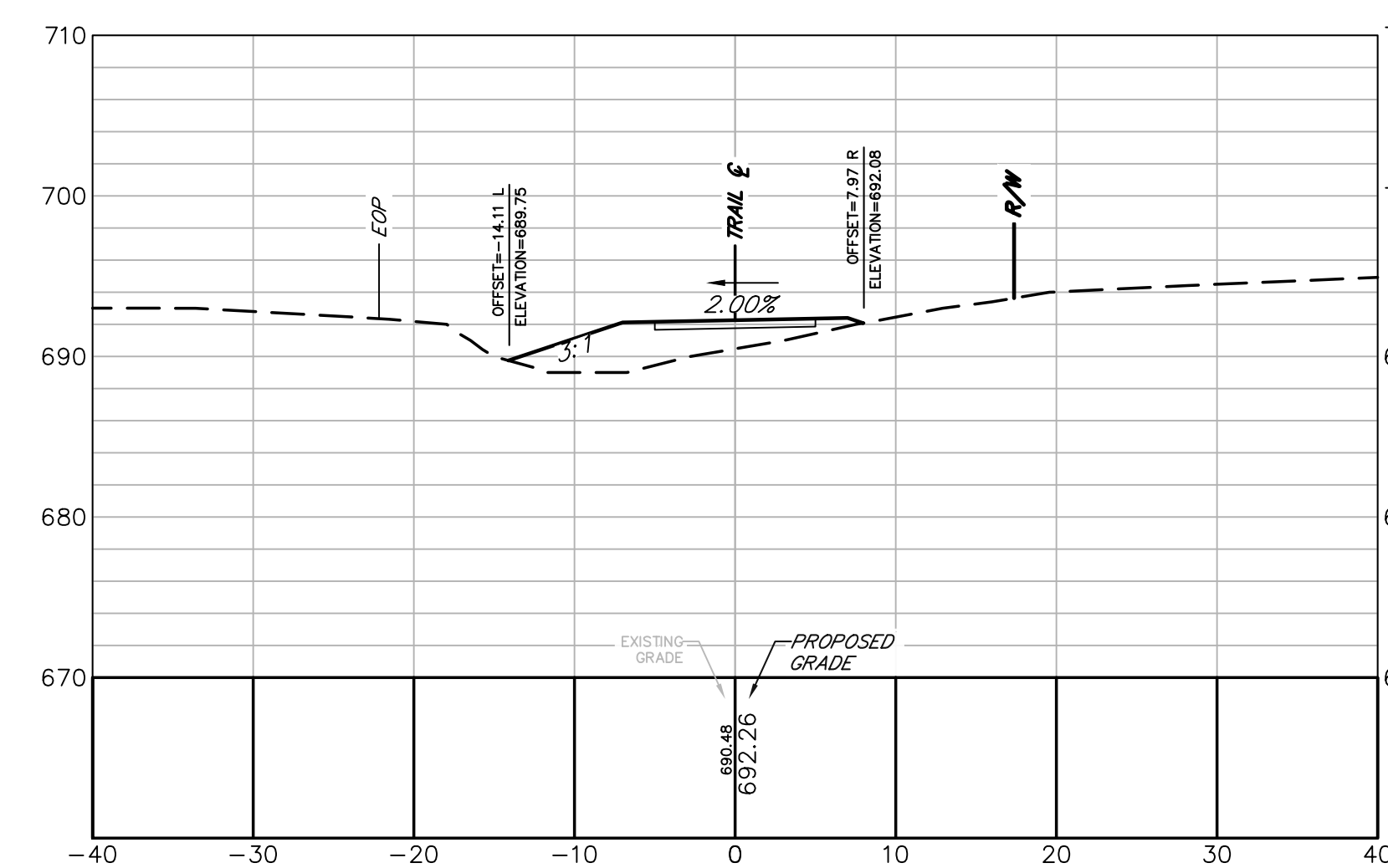
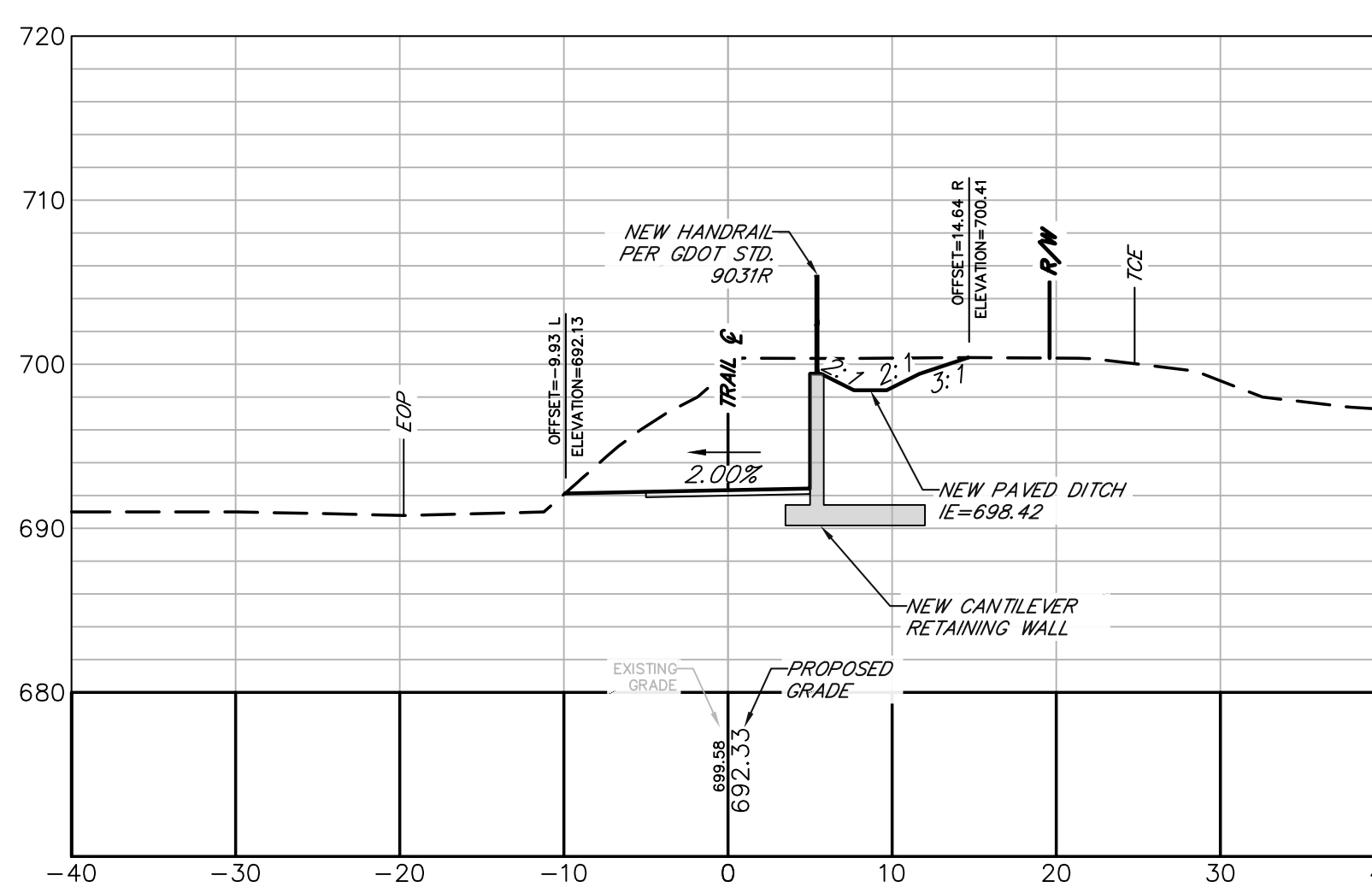
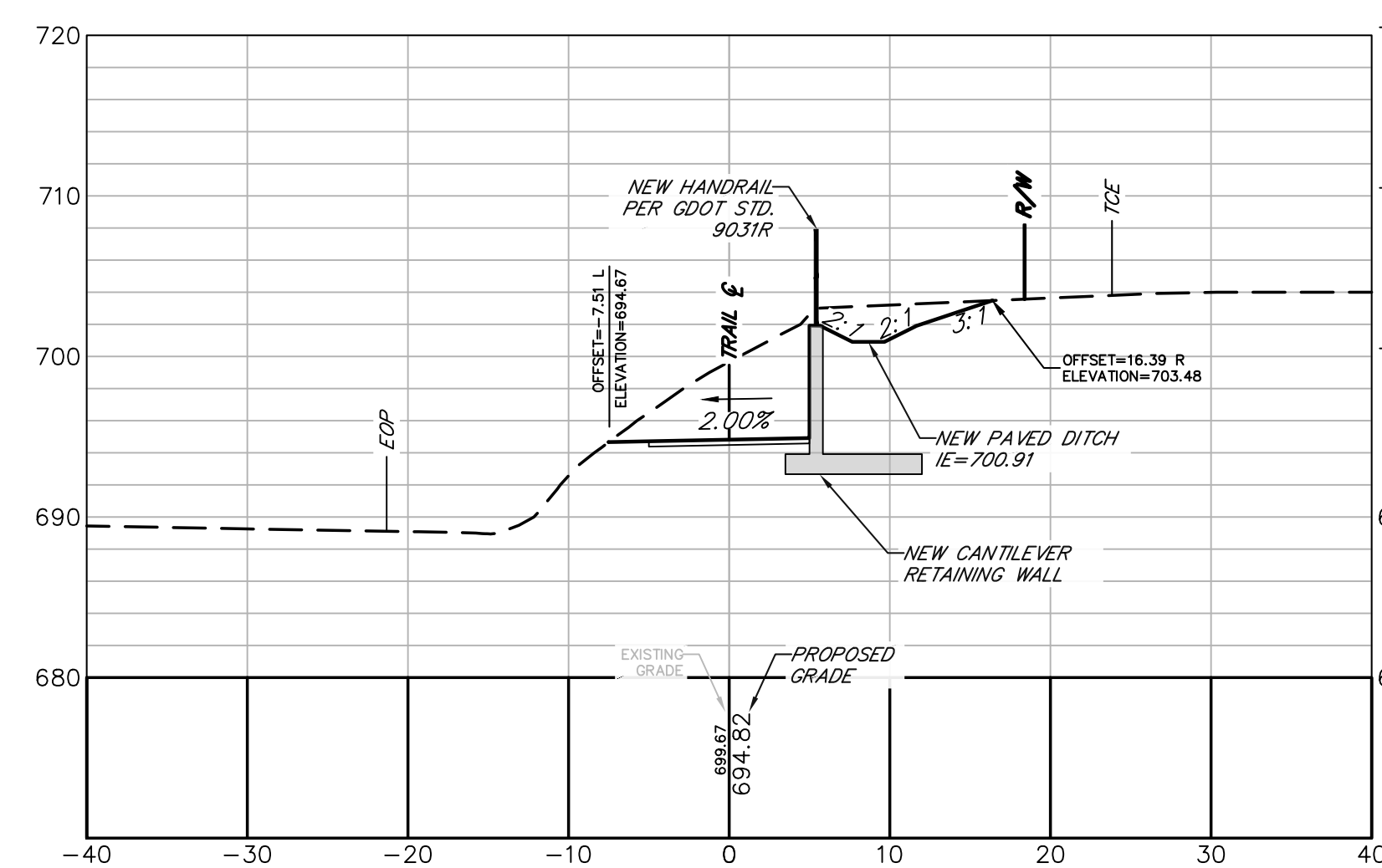
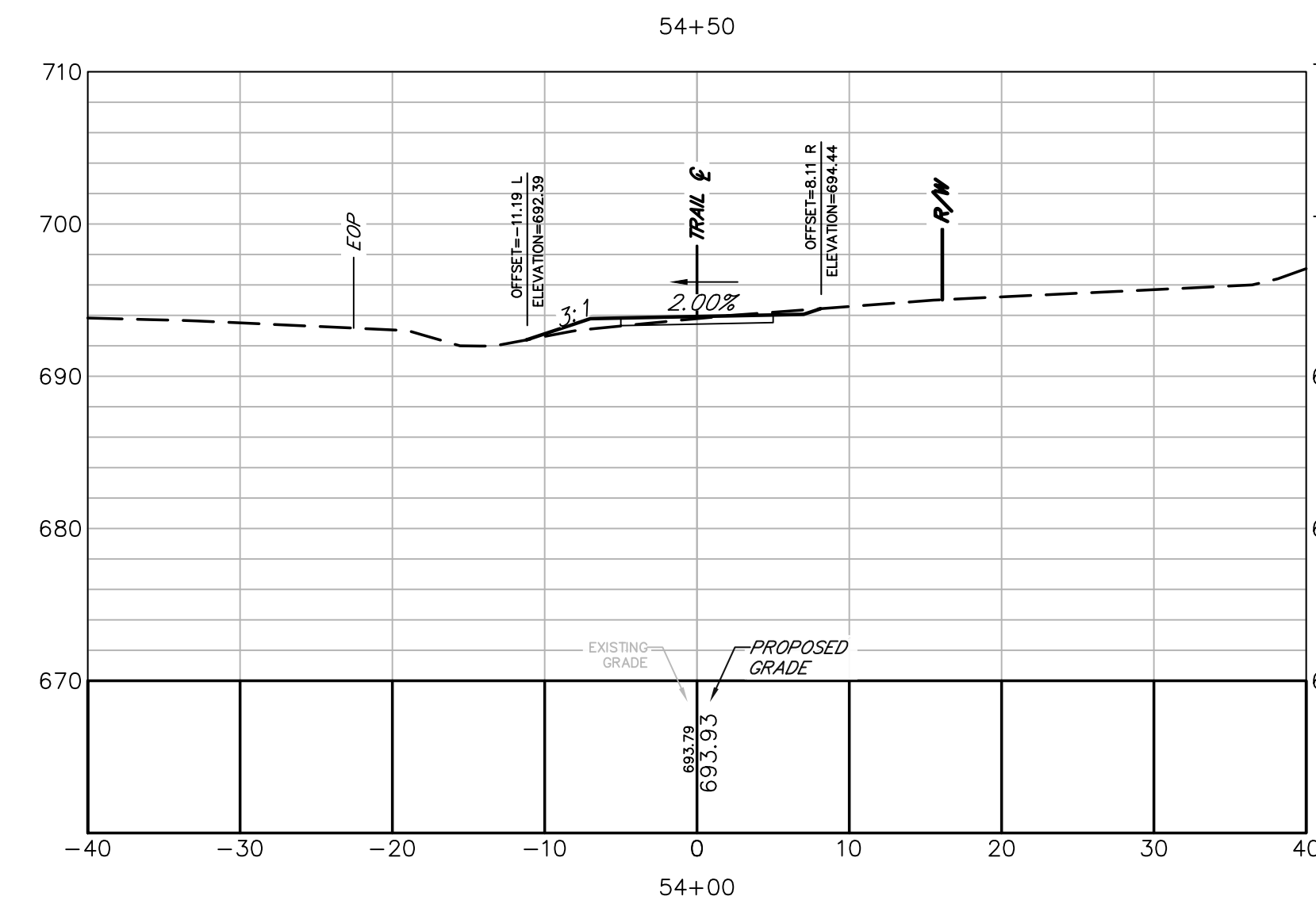
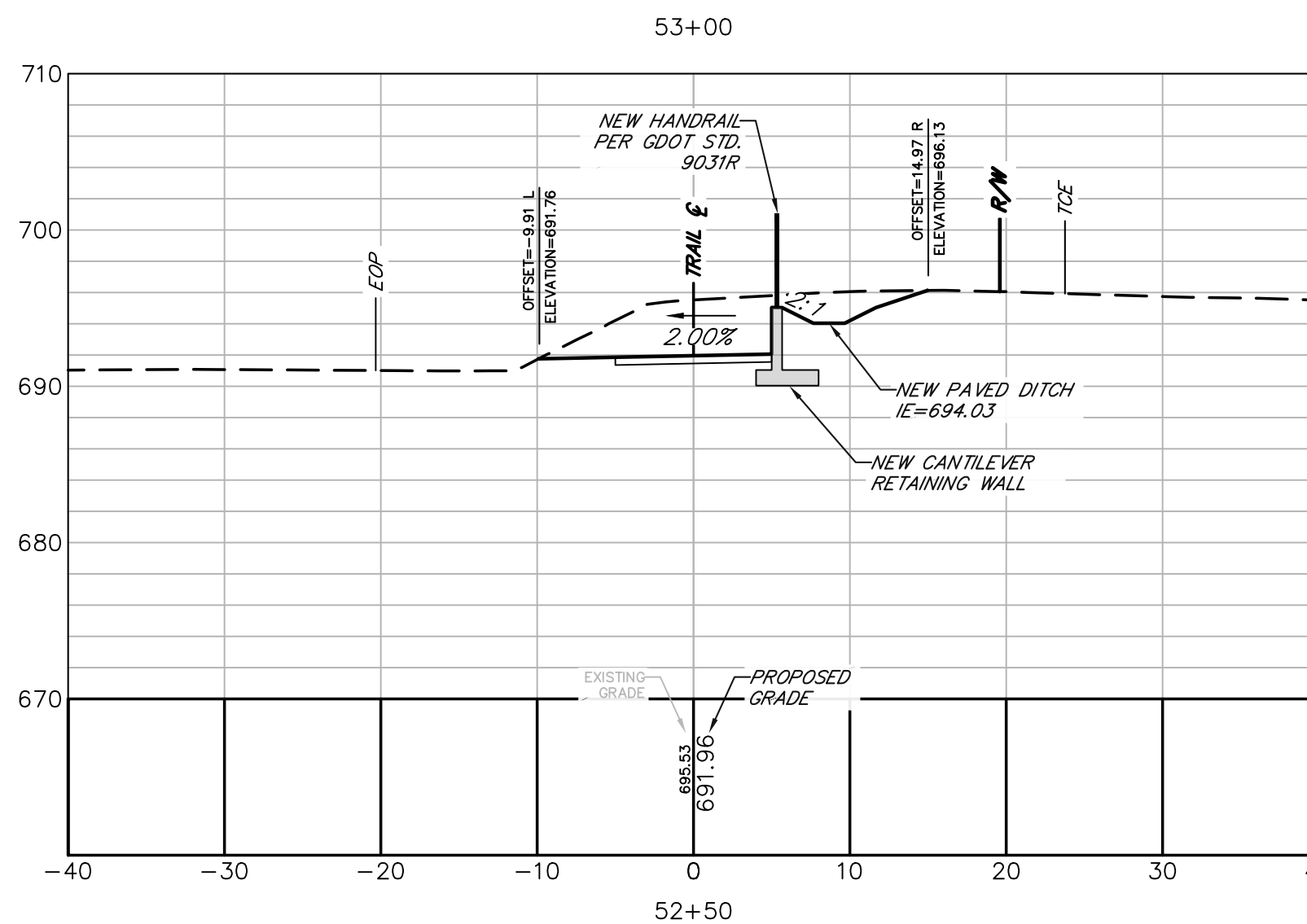
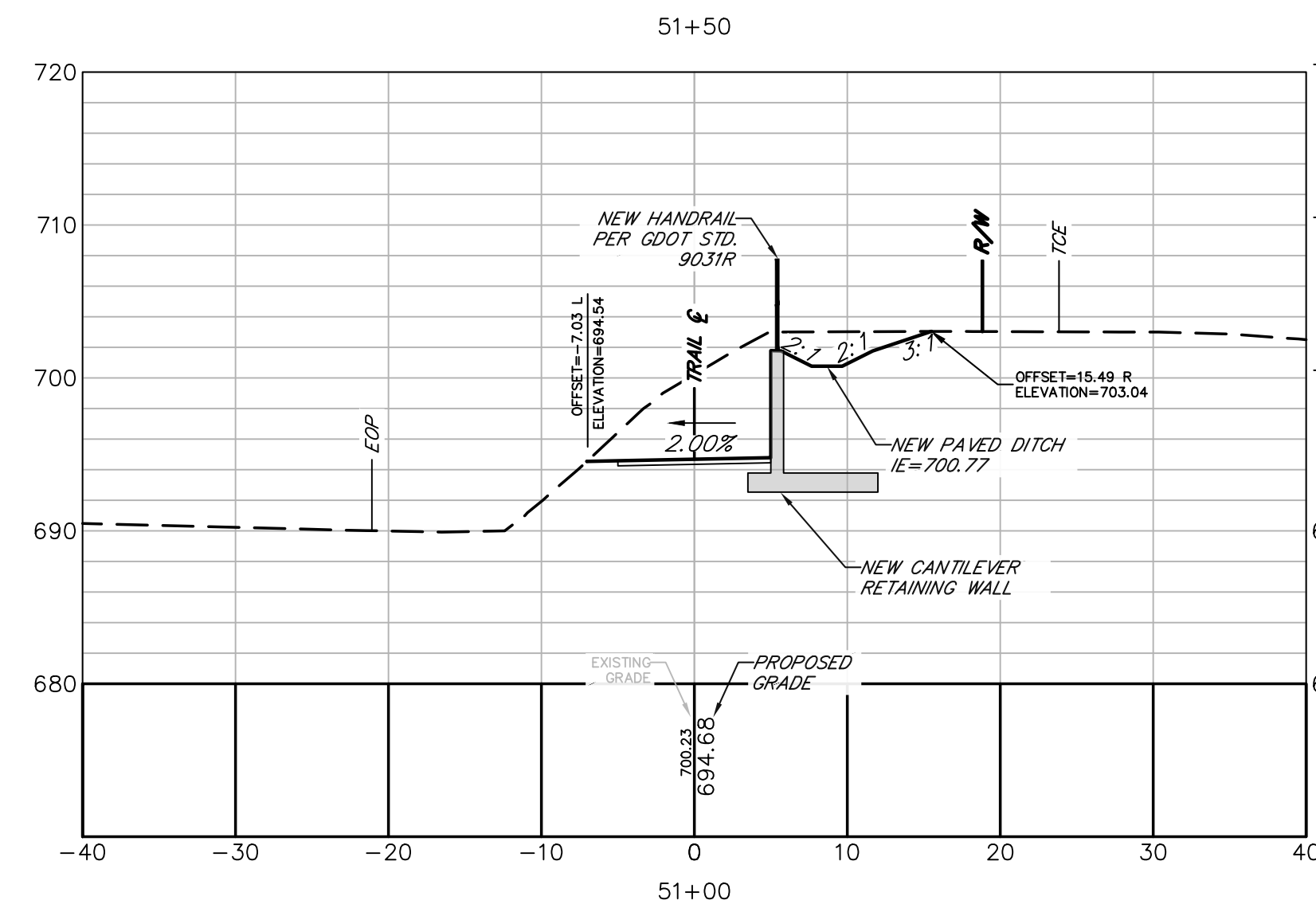
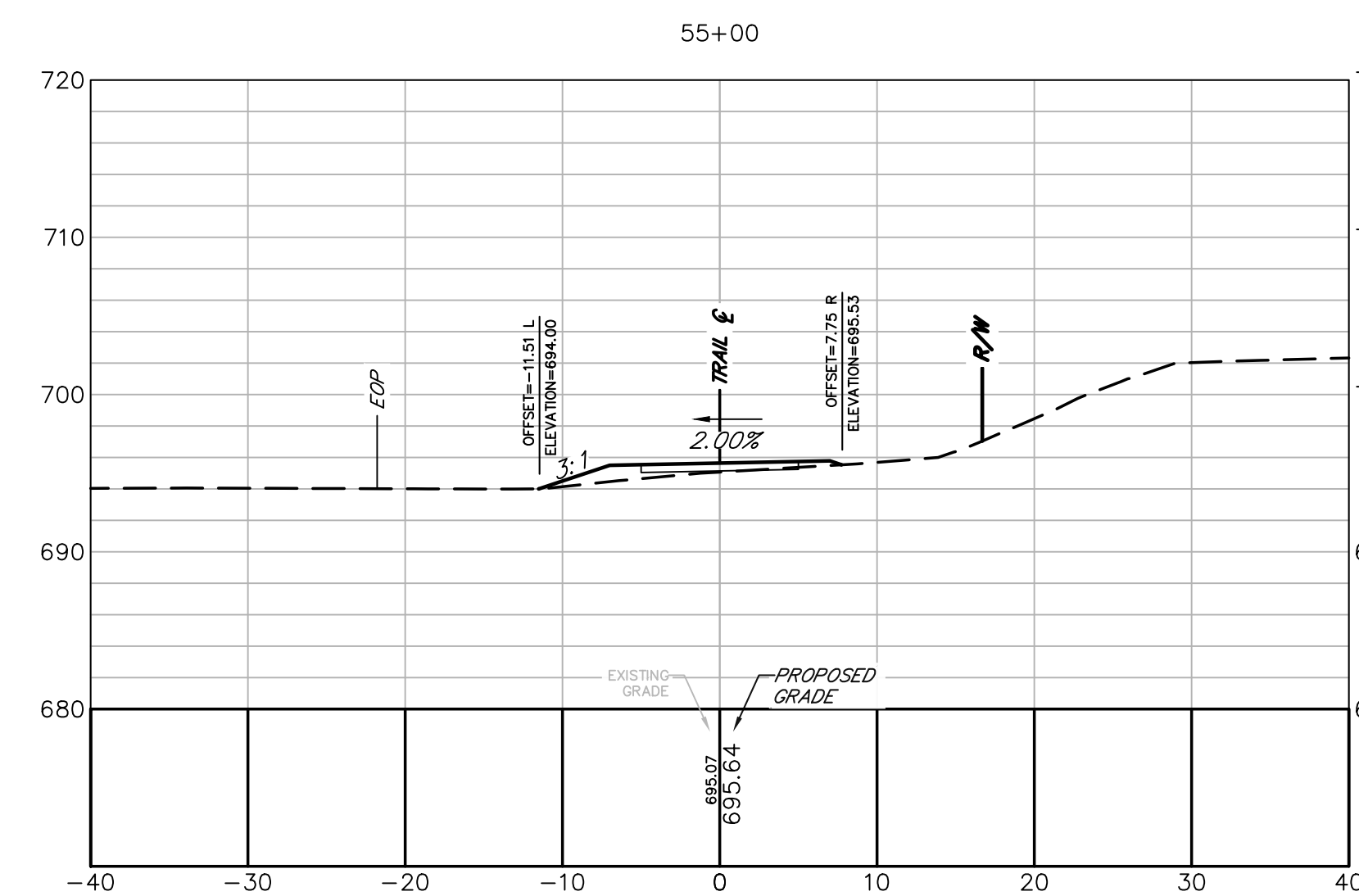
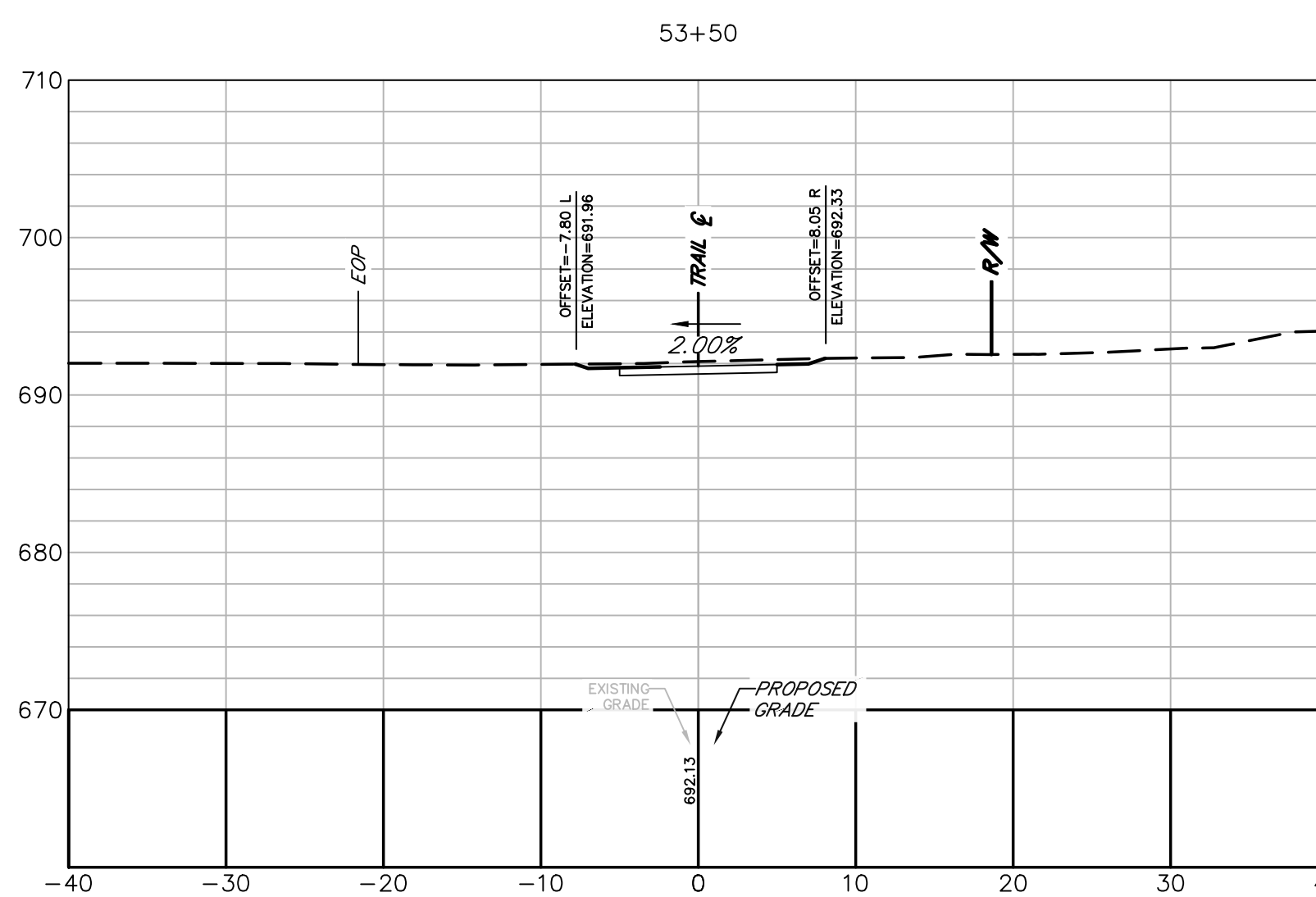
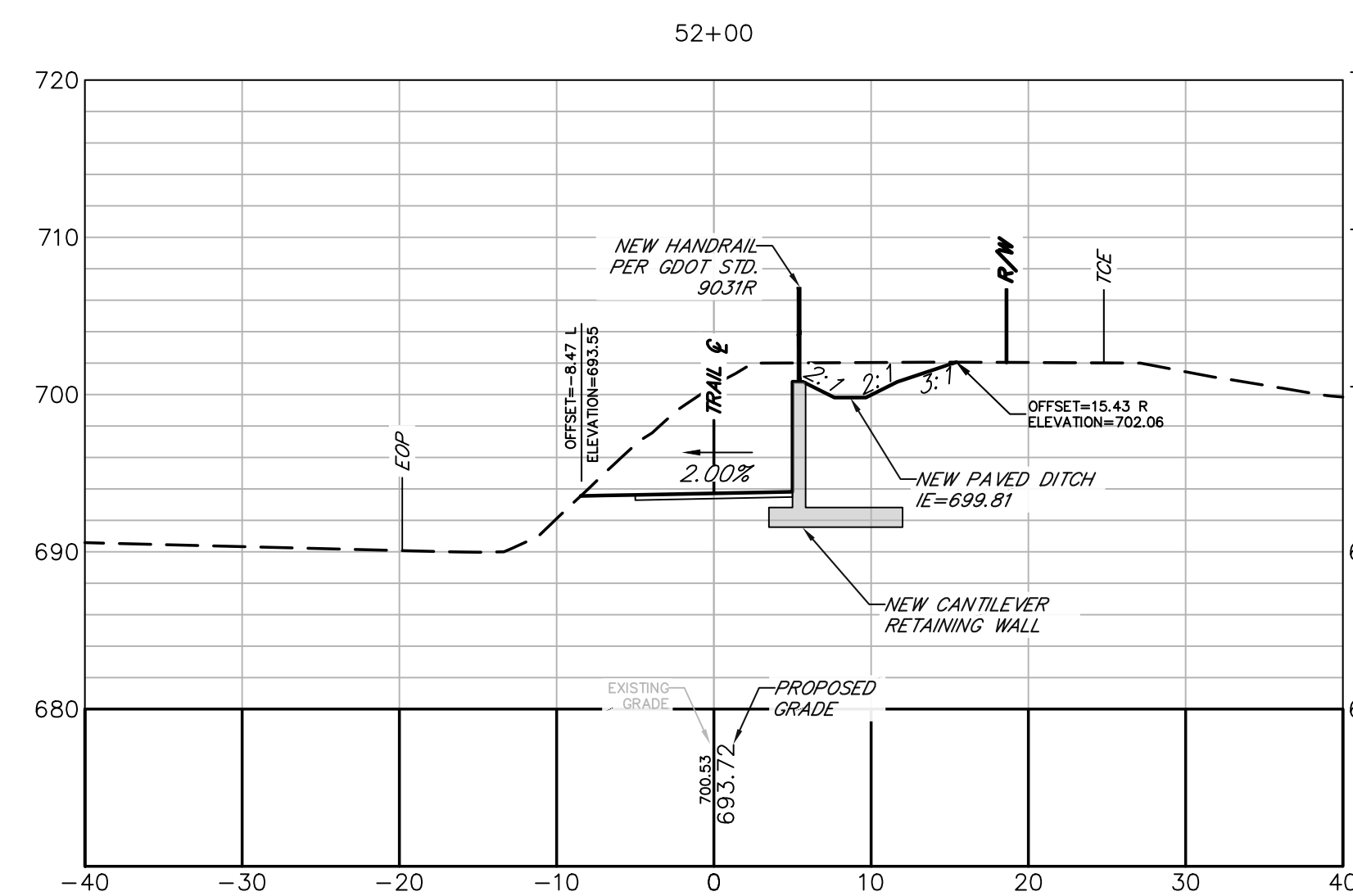
SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION	
JOB NO:	19023002
DRAWN BY:	KC
CHECKED BY:	VC
DRAWING FILE:	19023002E.DWG
DRAWING SCALE:	1" = 10'
ORIGINAL RELEASE DATE:	MAY 31, 2024

Sheet:
23-009



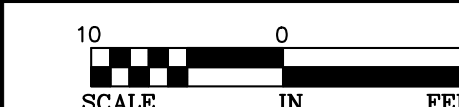
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Augusta, GA 30901
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[illegible]

ATHENS-CLARKE COUNTY, GA

HEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION 1



	PROJECT INFORMATION
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JOB NO: 1902300

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

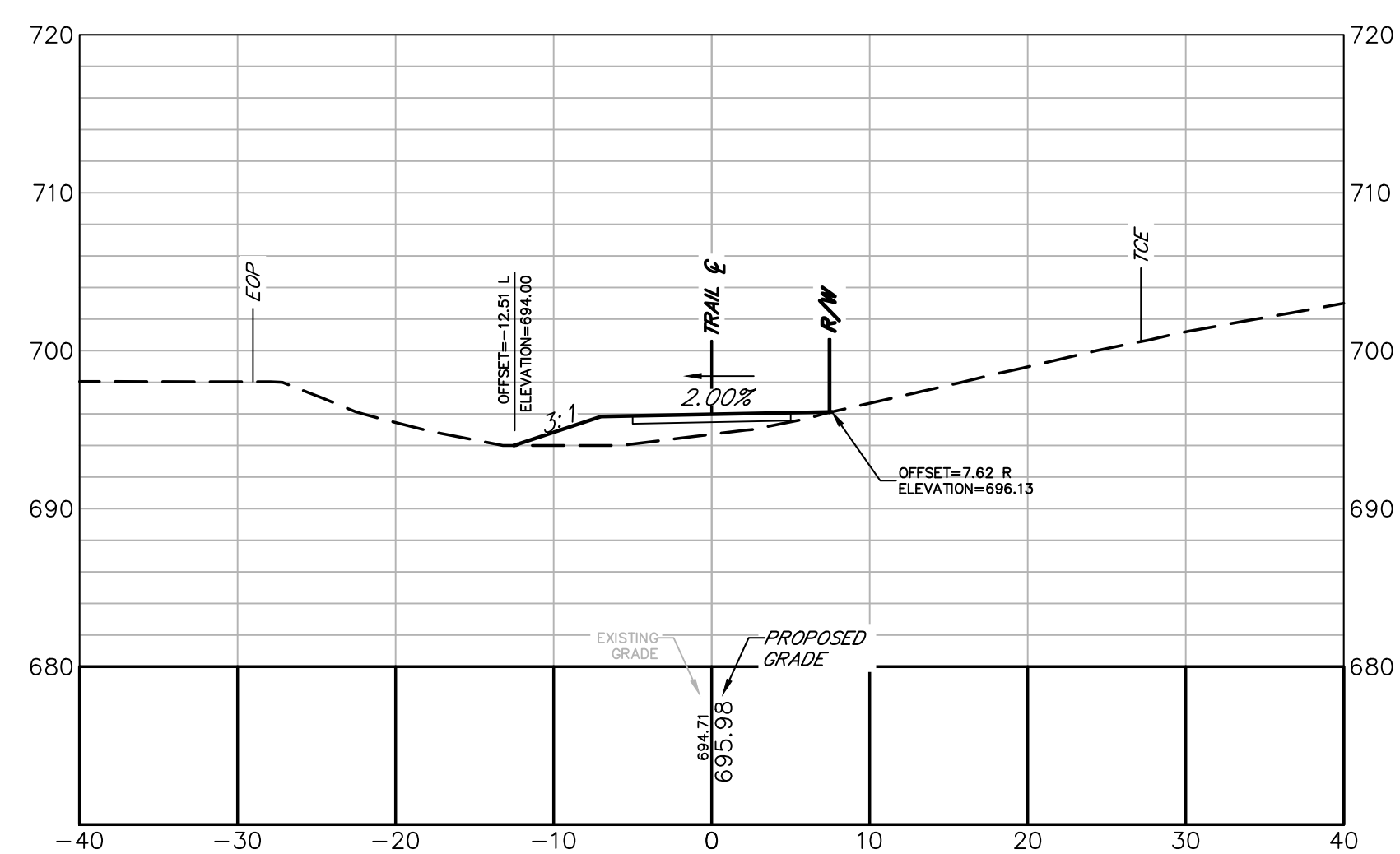
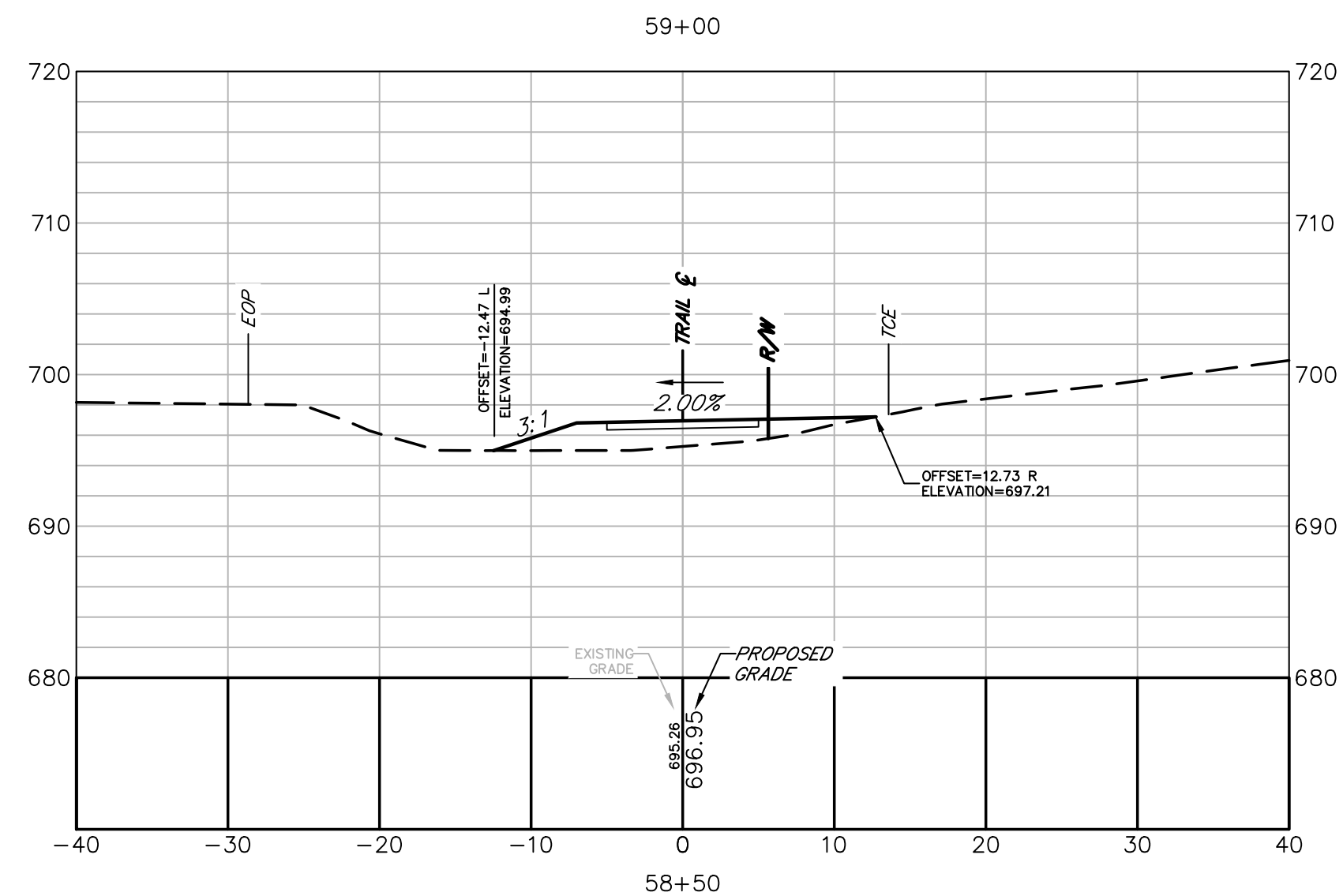
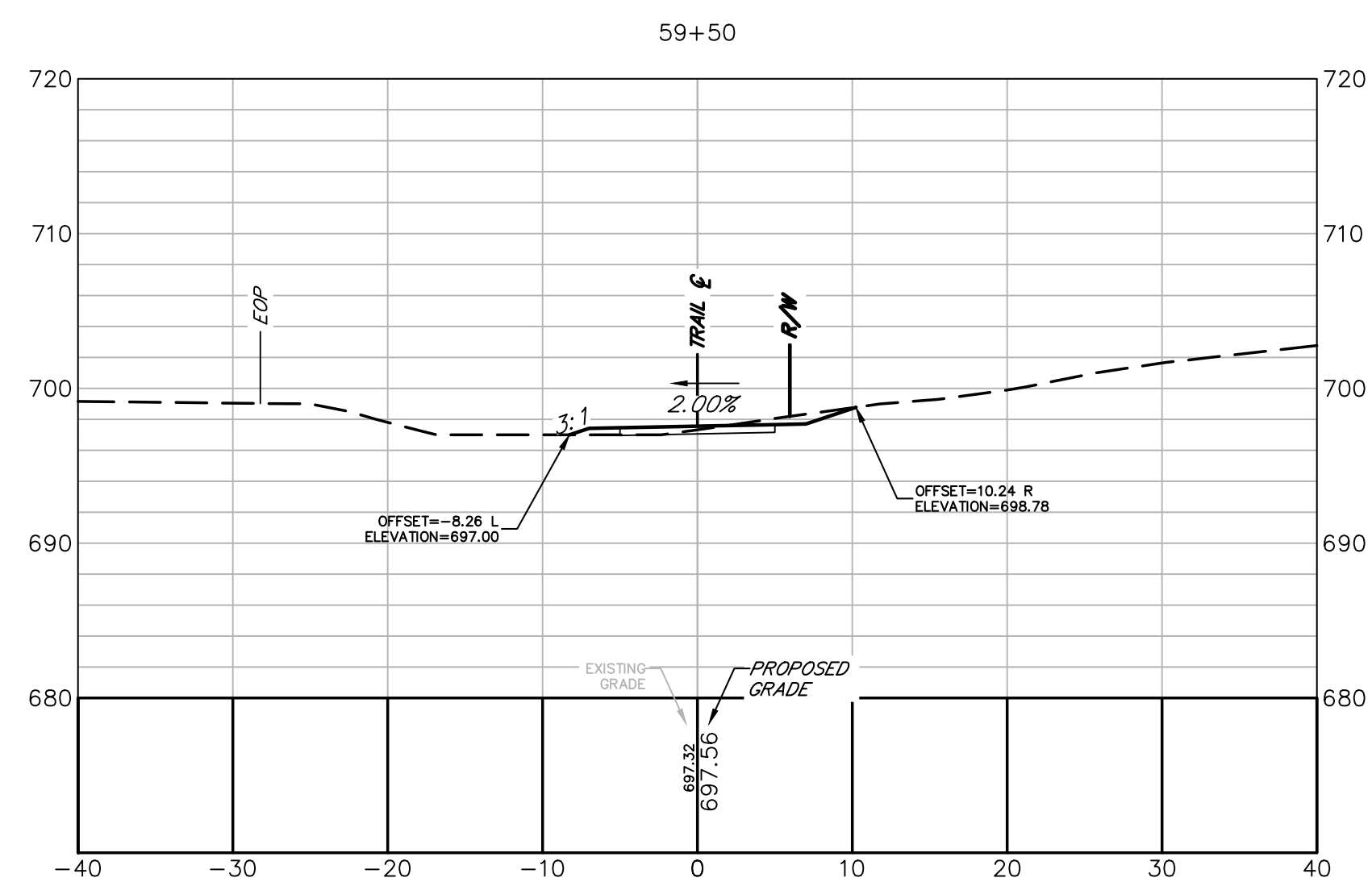
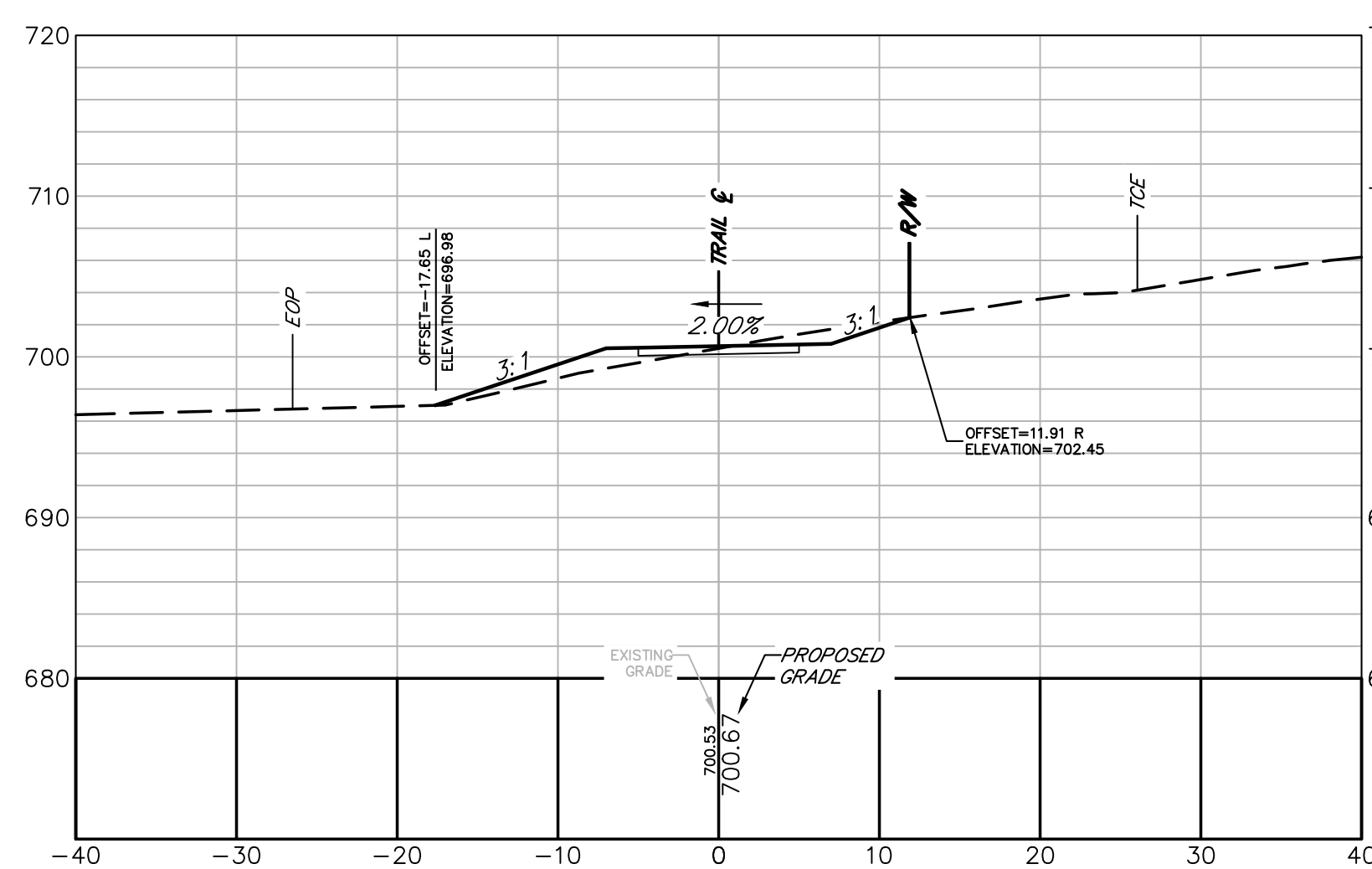
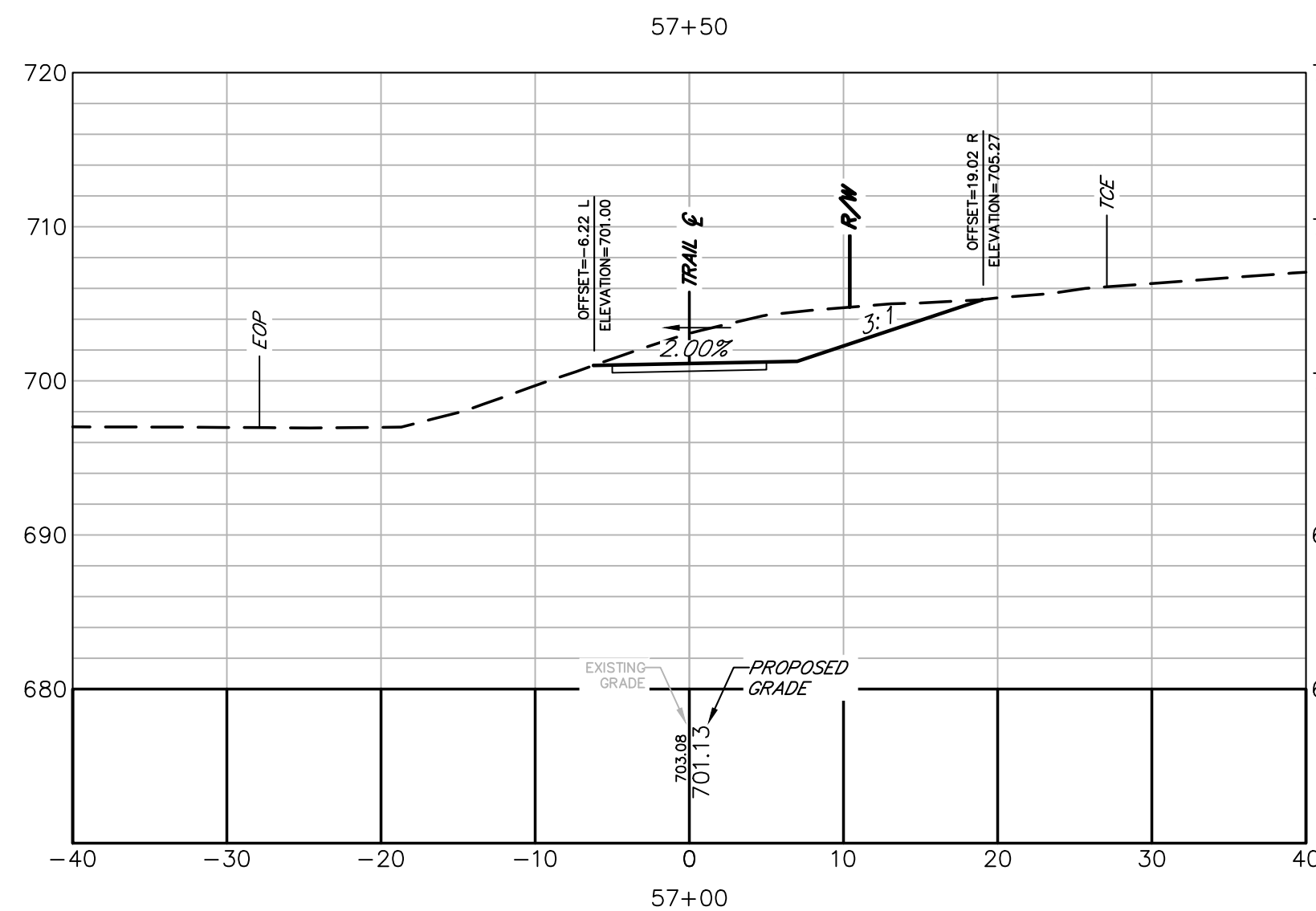
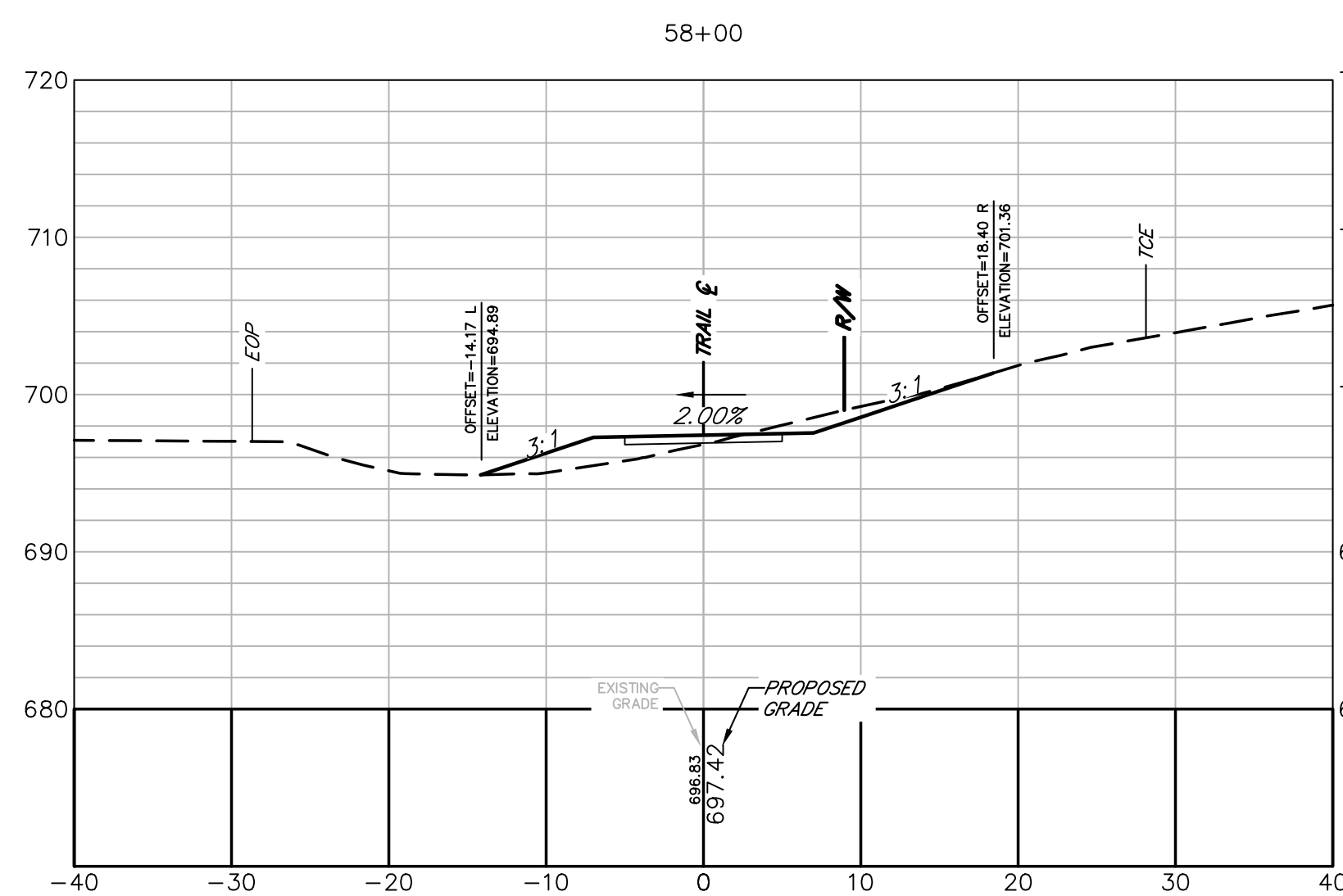
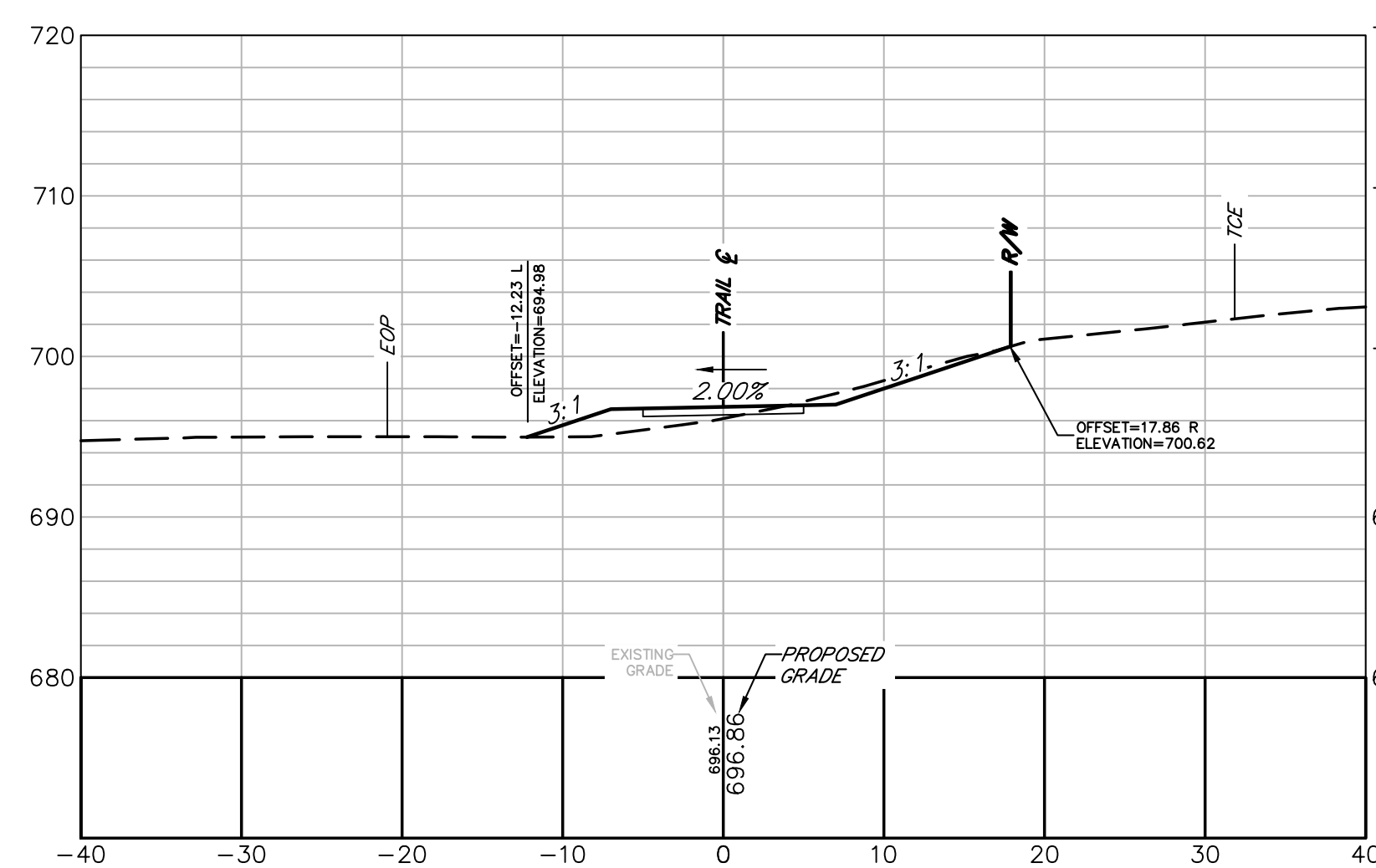
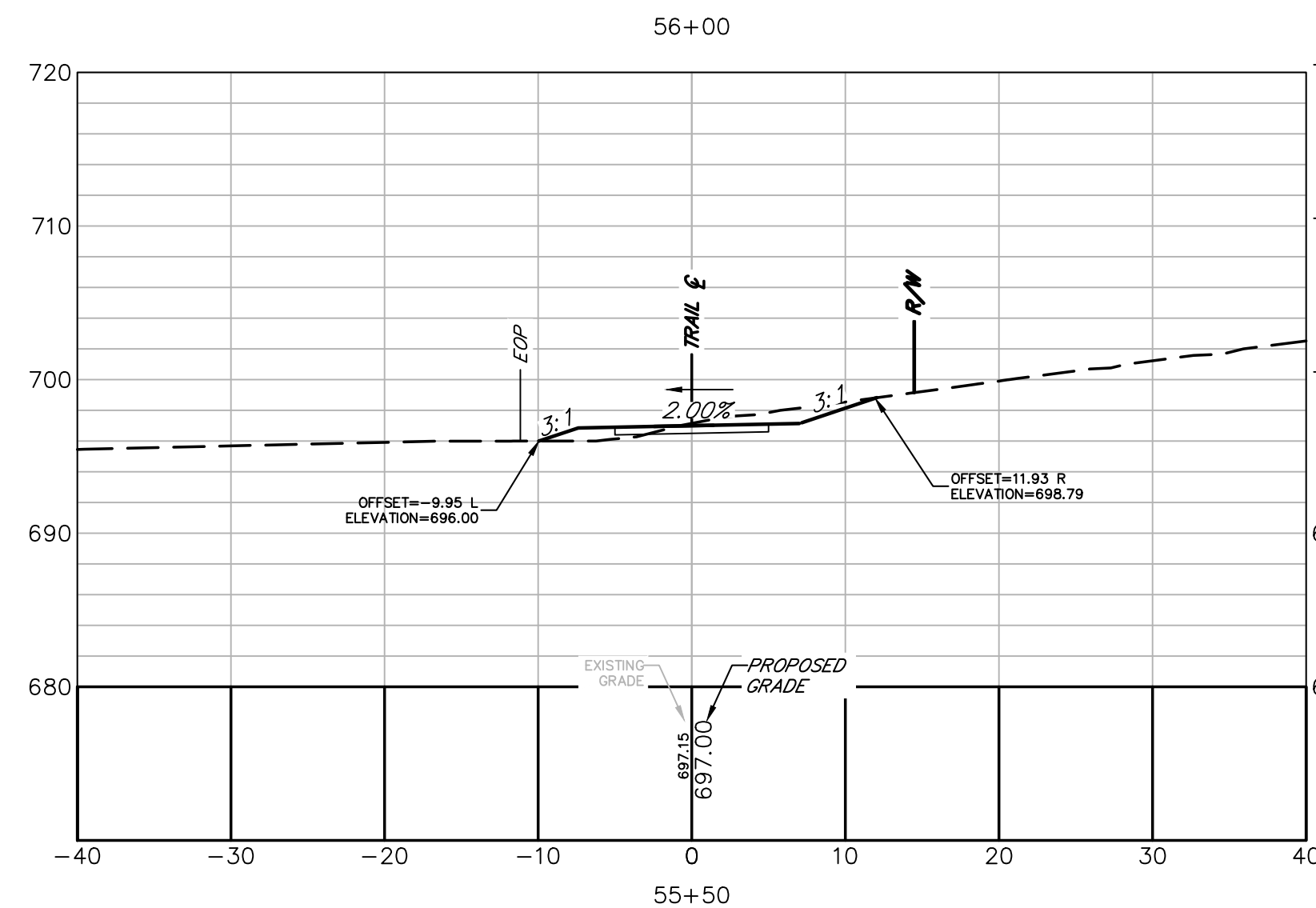
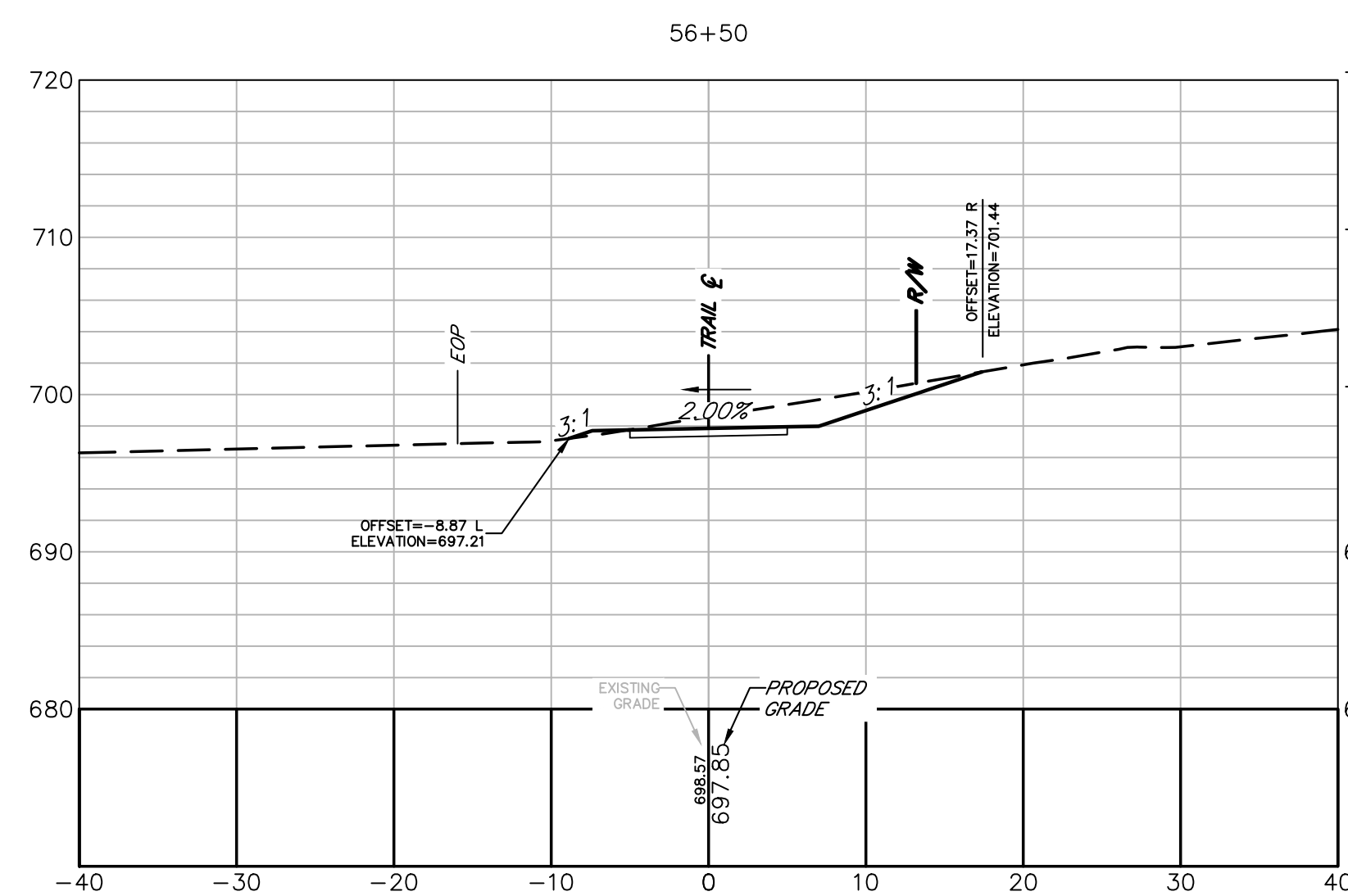
DRAWING SCALE: 1" = 1'

ORIGINAL RELEASE DATE

MAY 31, 2024

Sheet

23-010



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[illegible]

**ATHENS-CLARKE
COUNTY, GA**

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

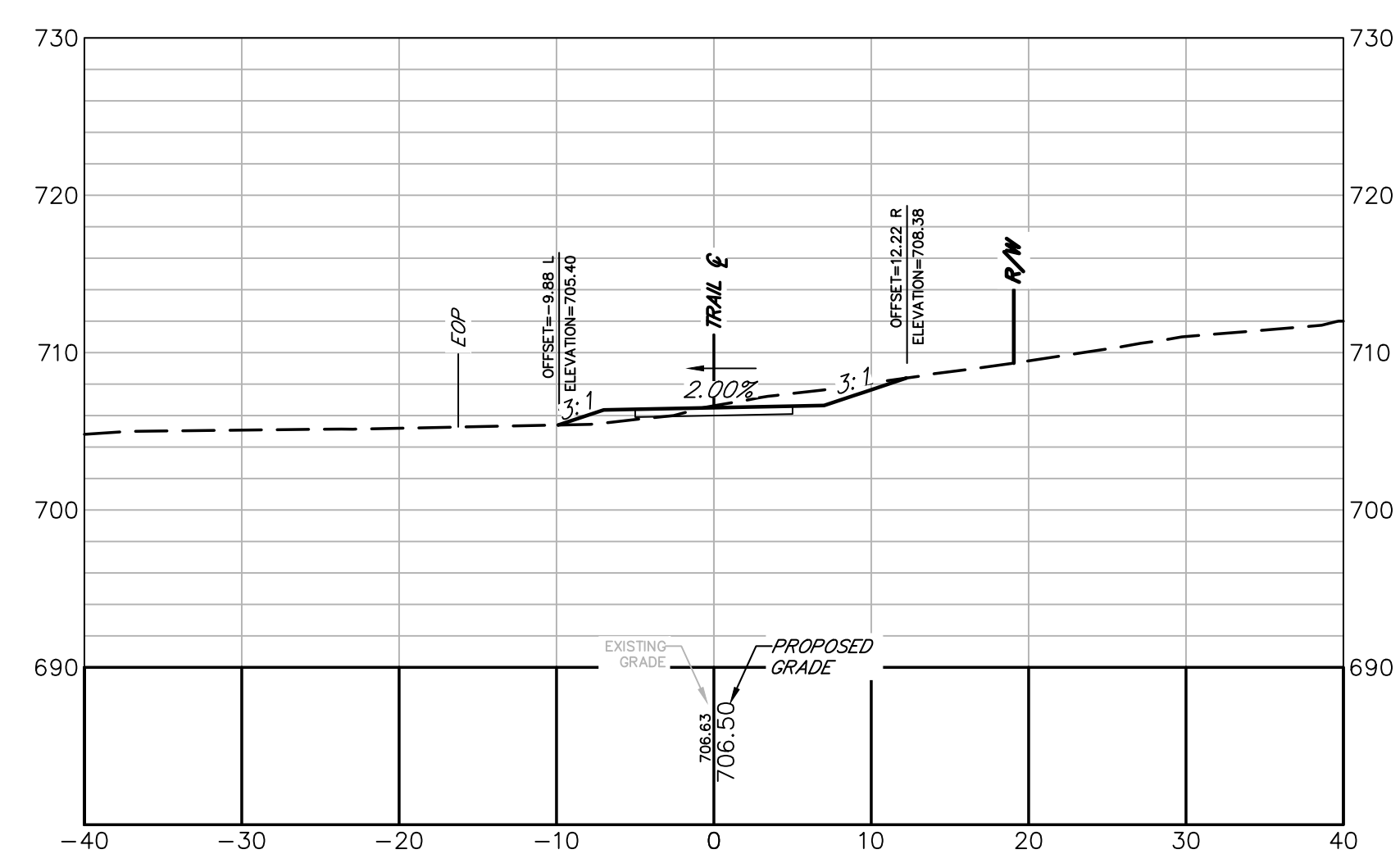
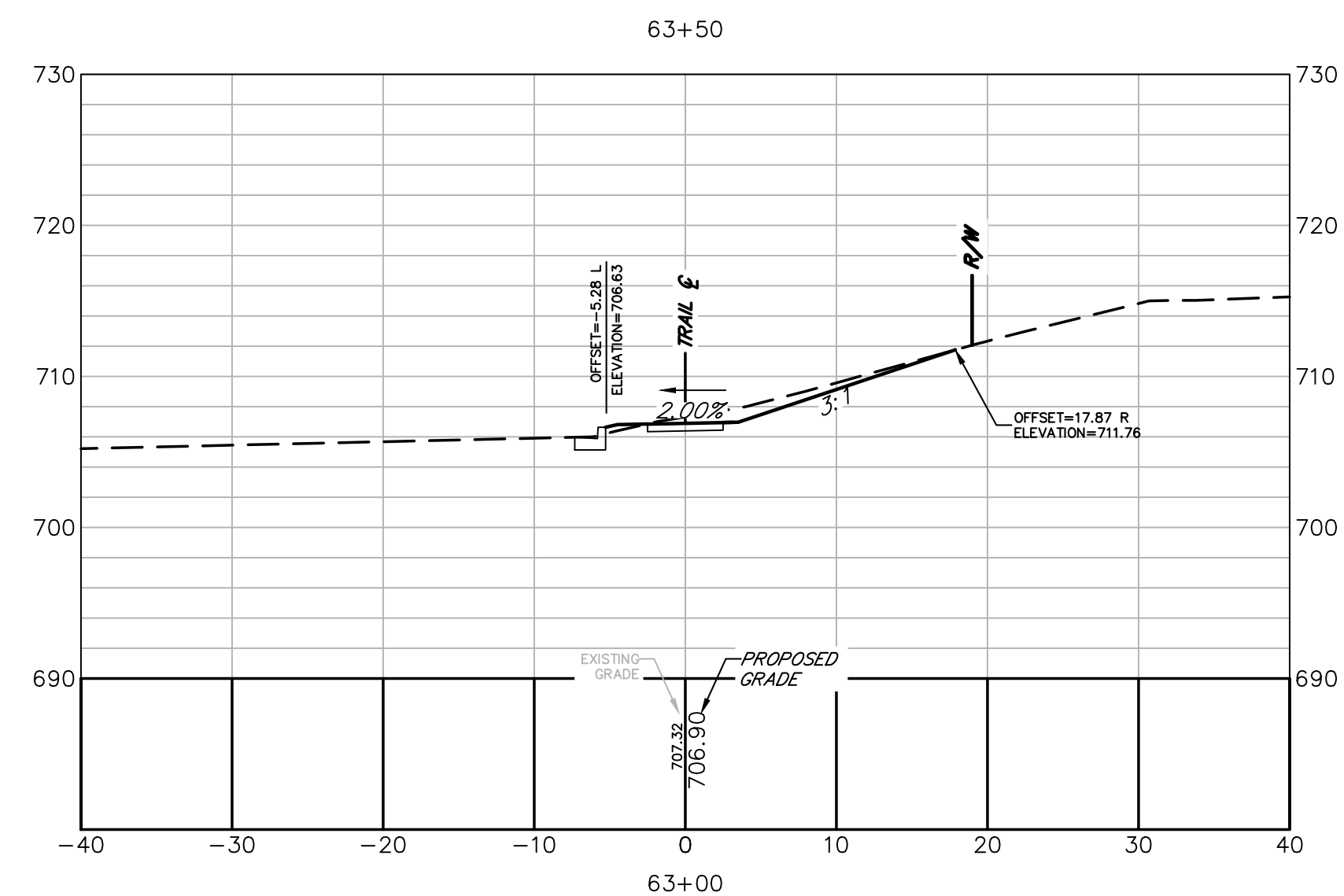
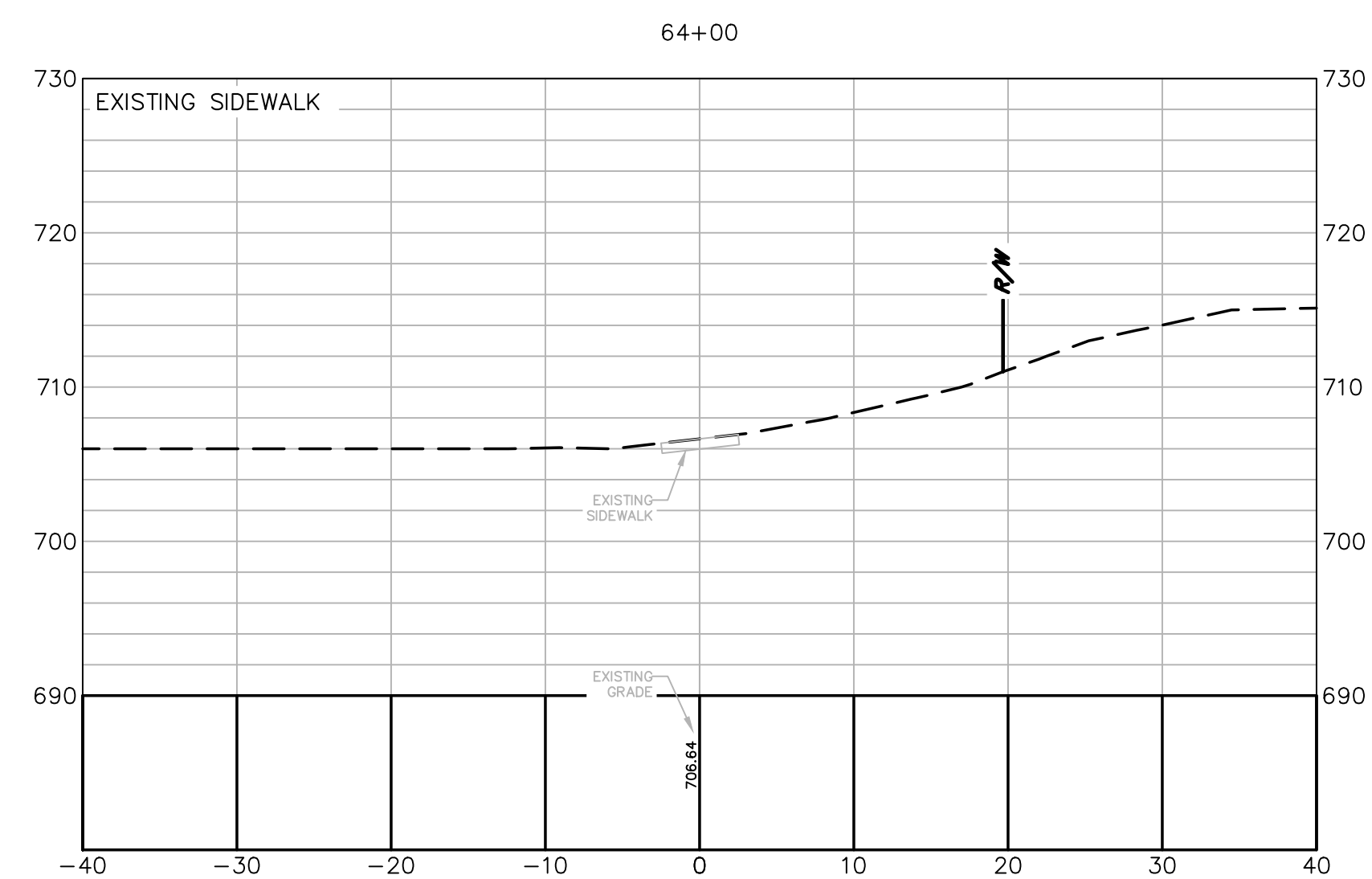
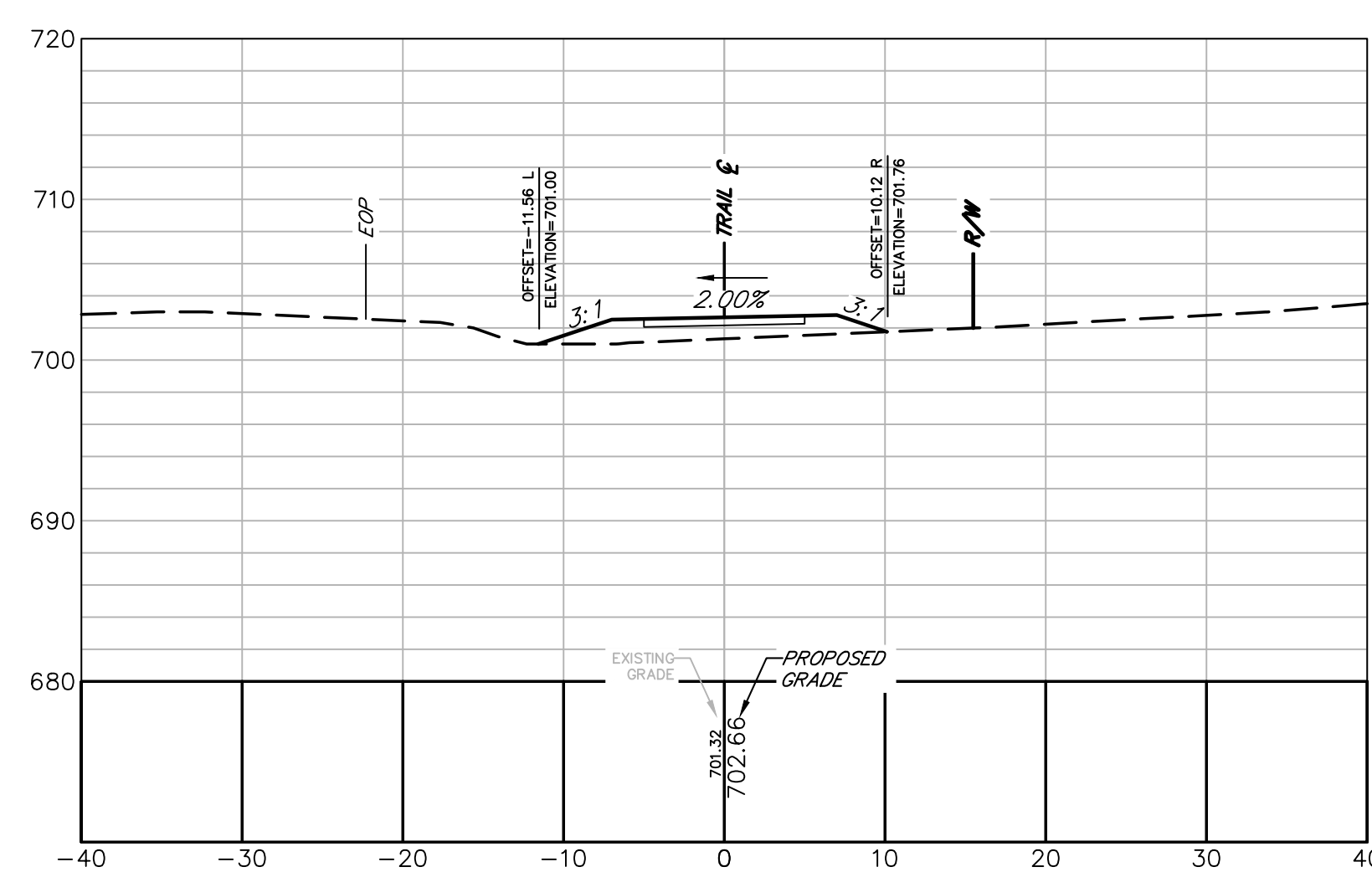
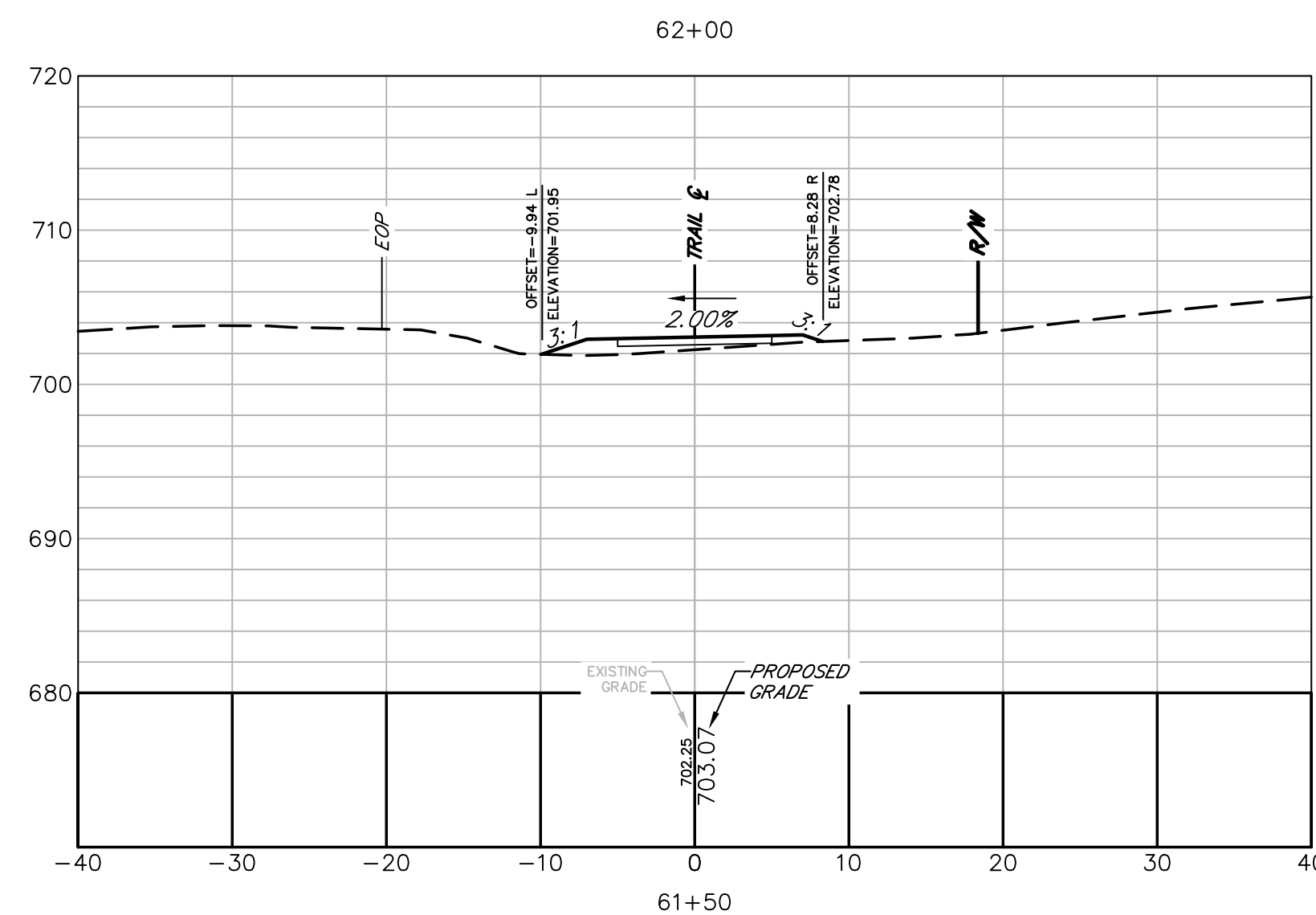
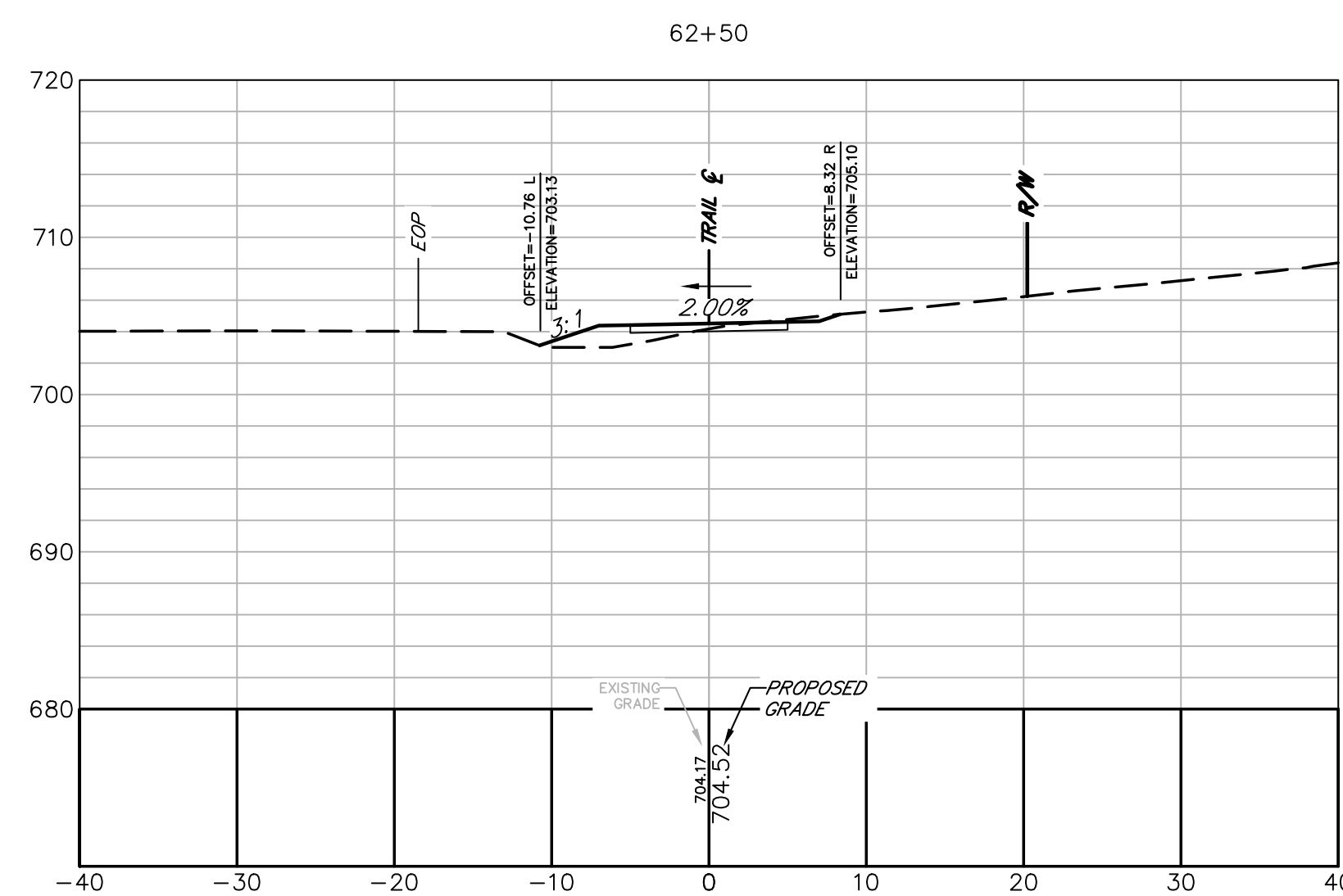
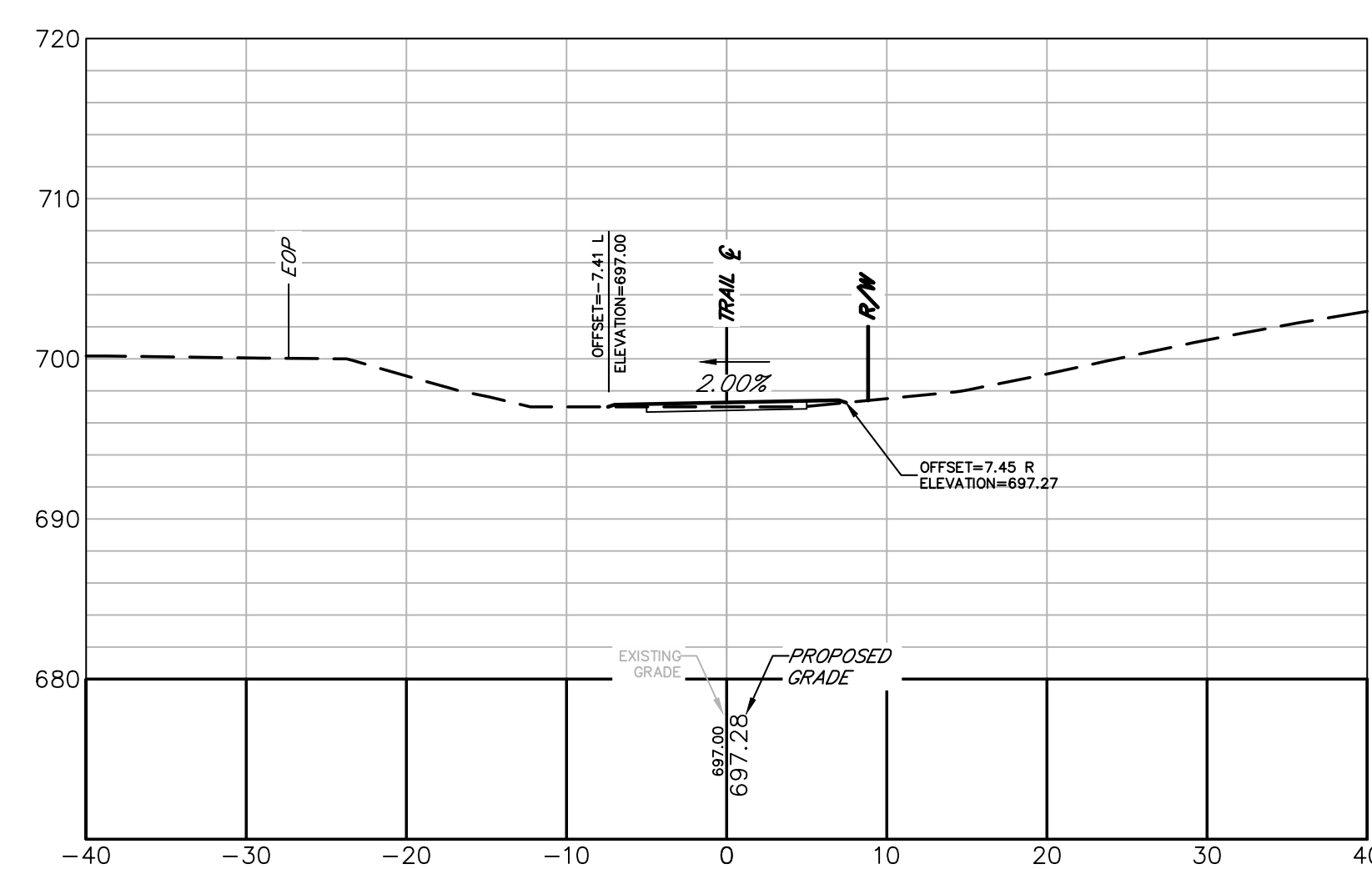
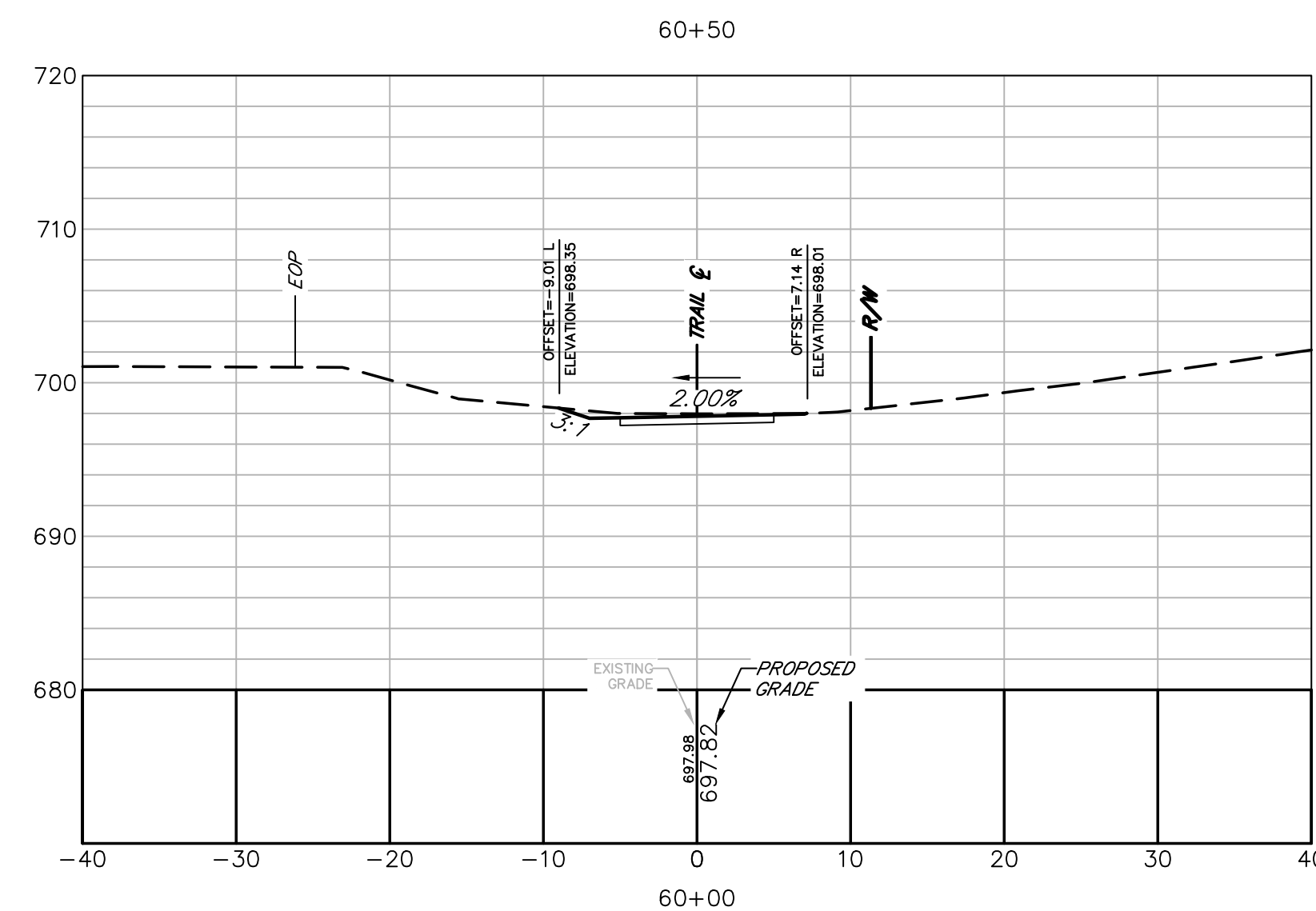
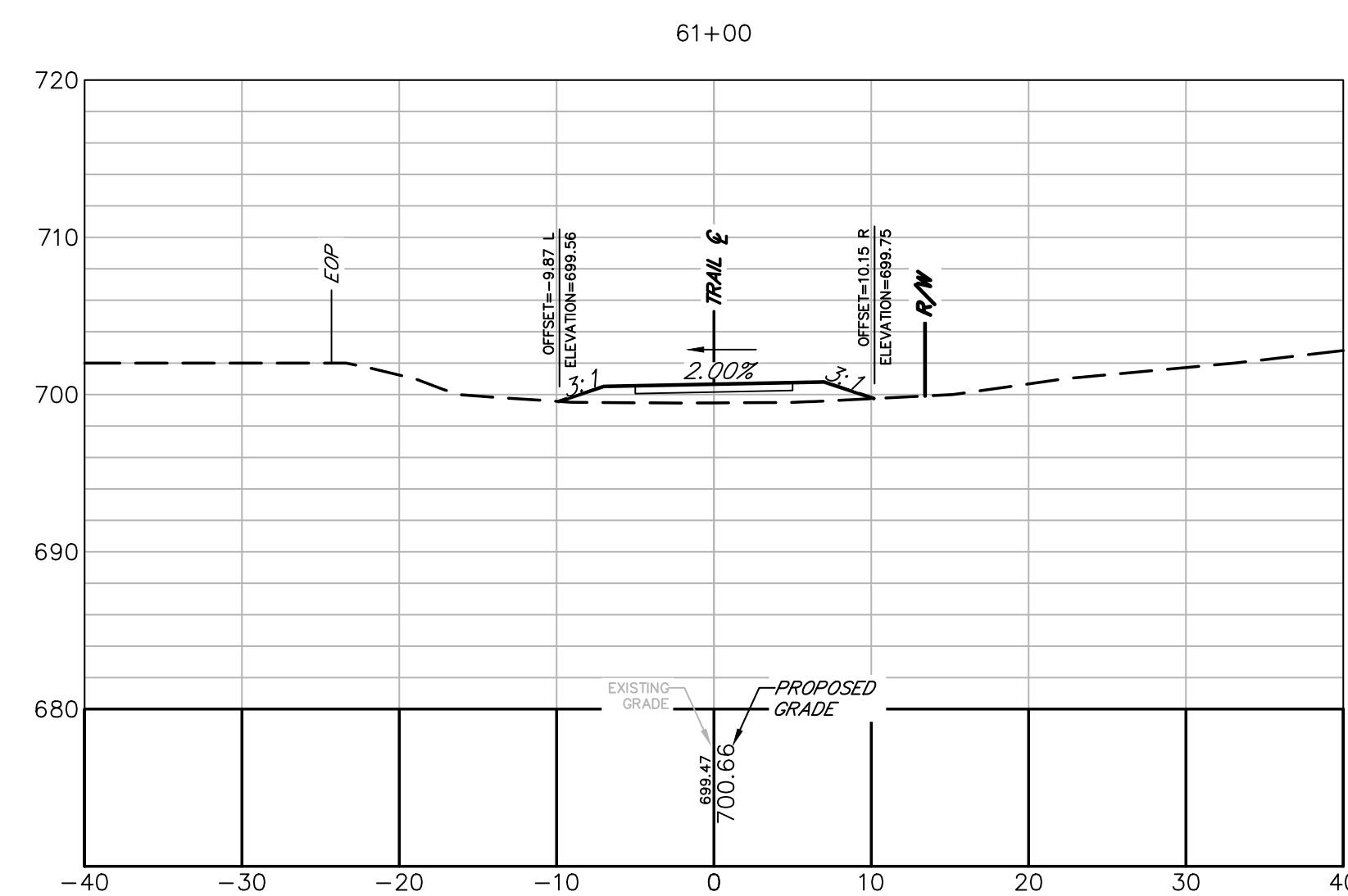
DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:

MAY 31, 2024

Sheet:

23-011



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**ATHENS-CLARKE
COUNTY, GA**

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

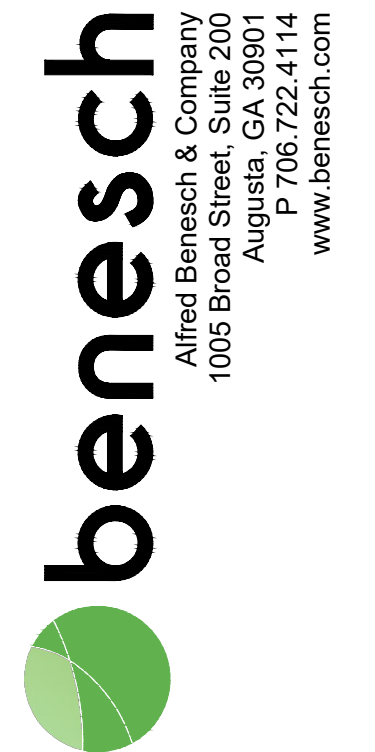
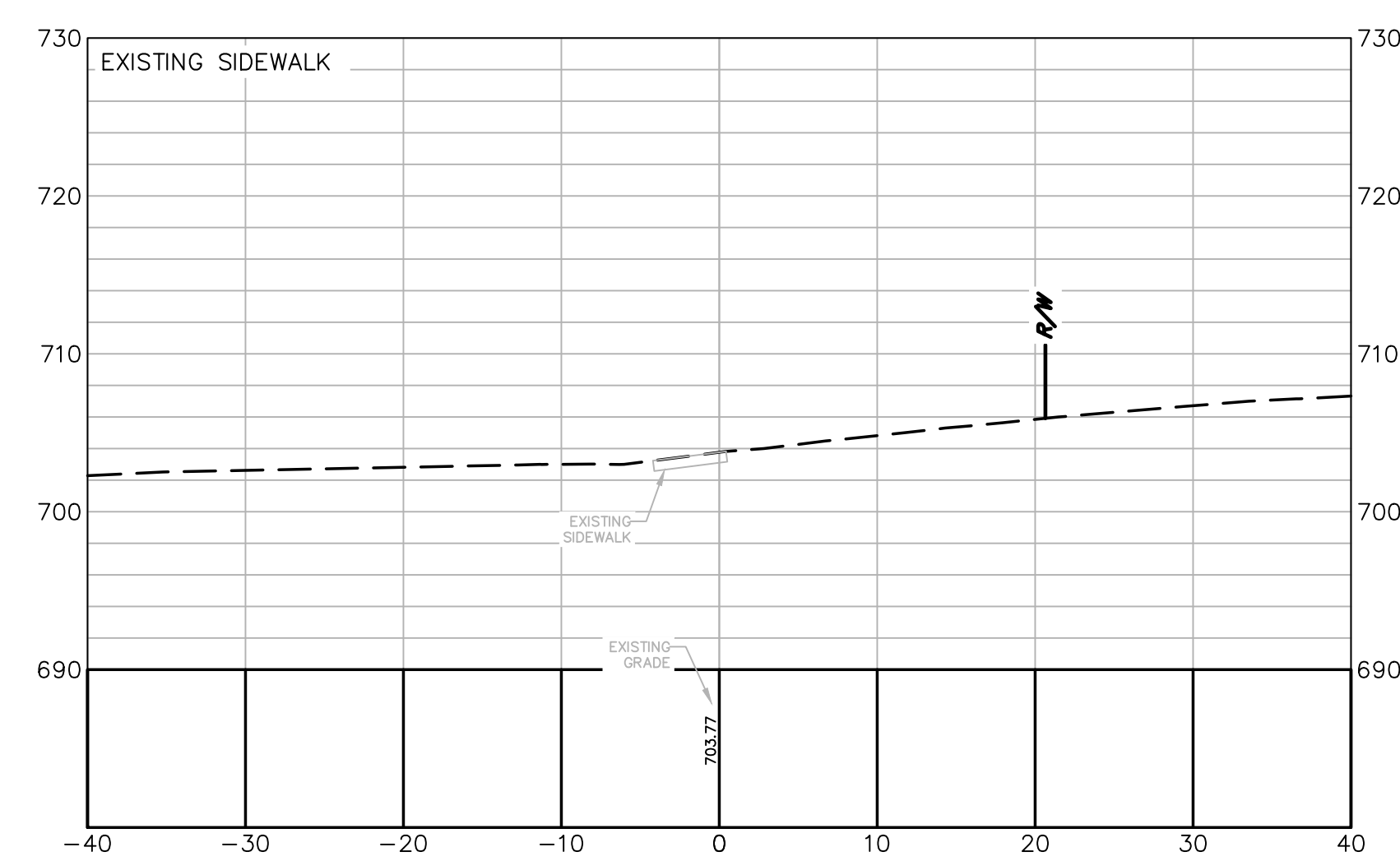
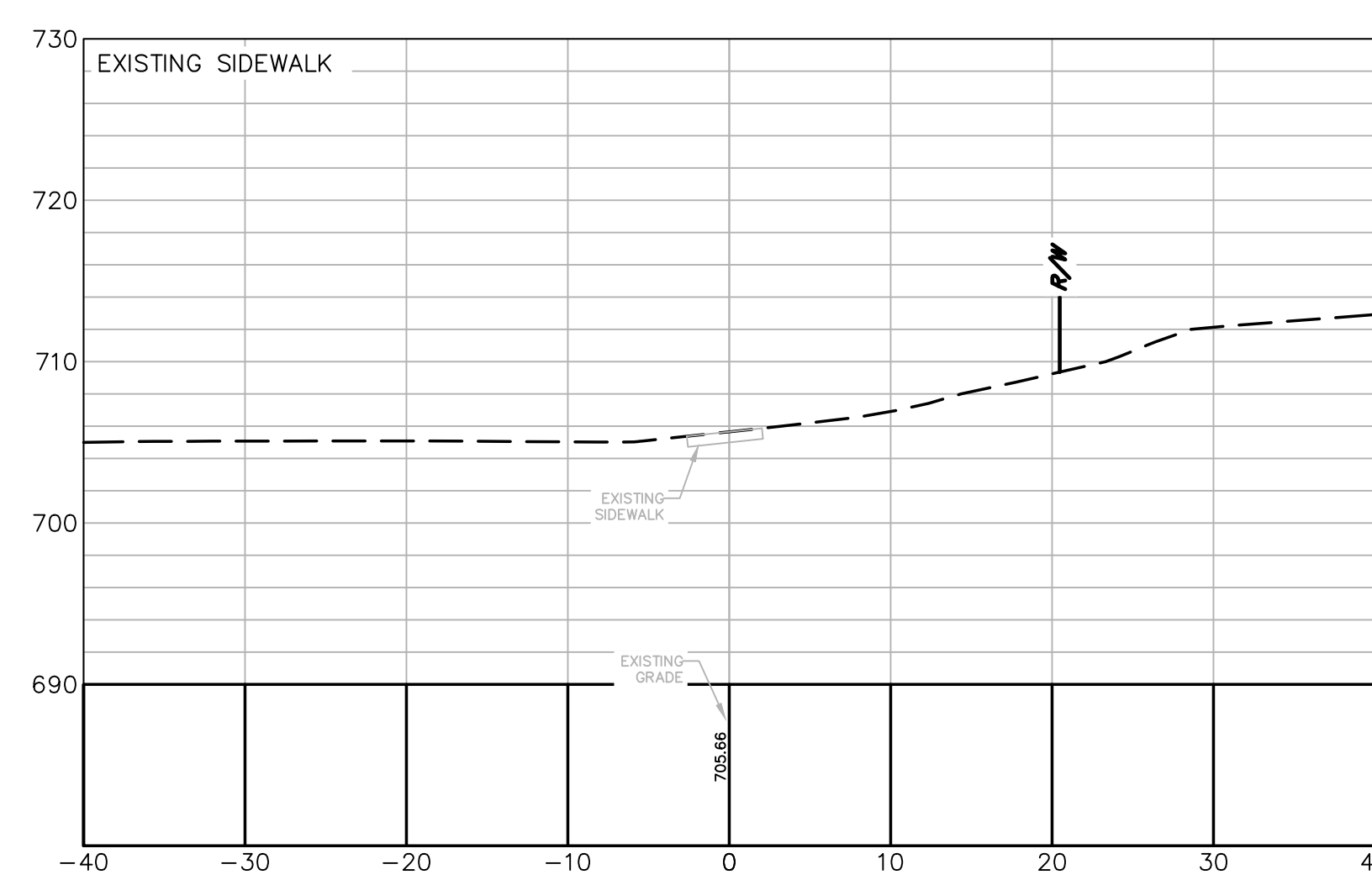
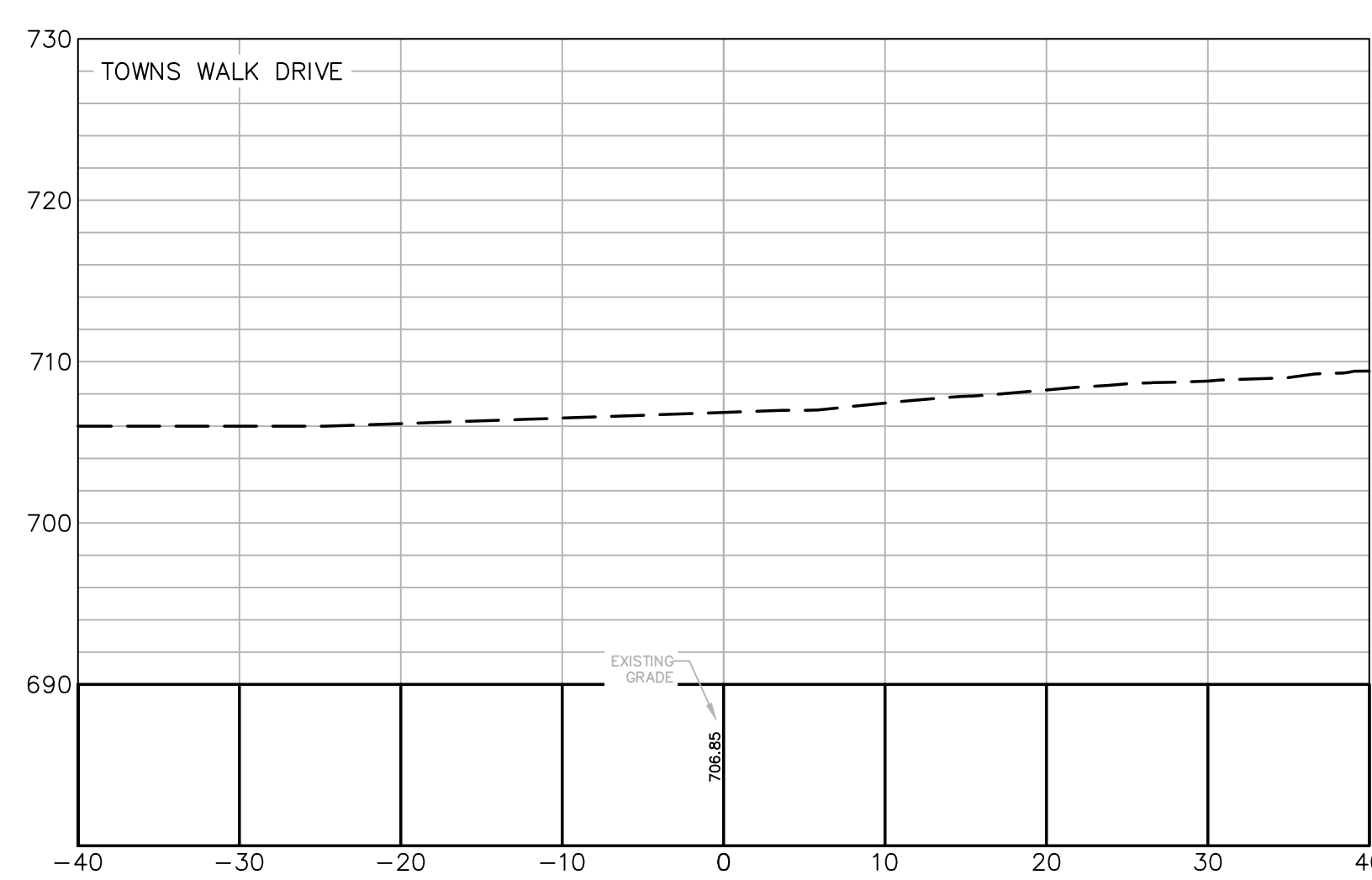
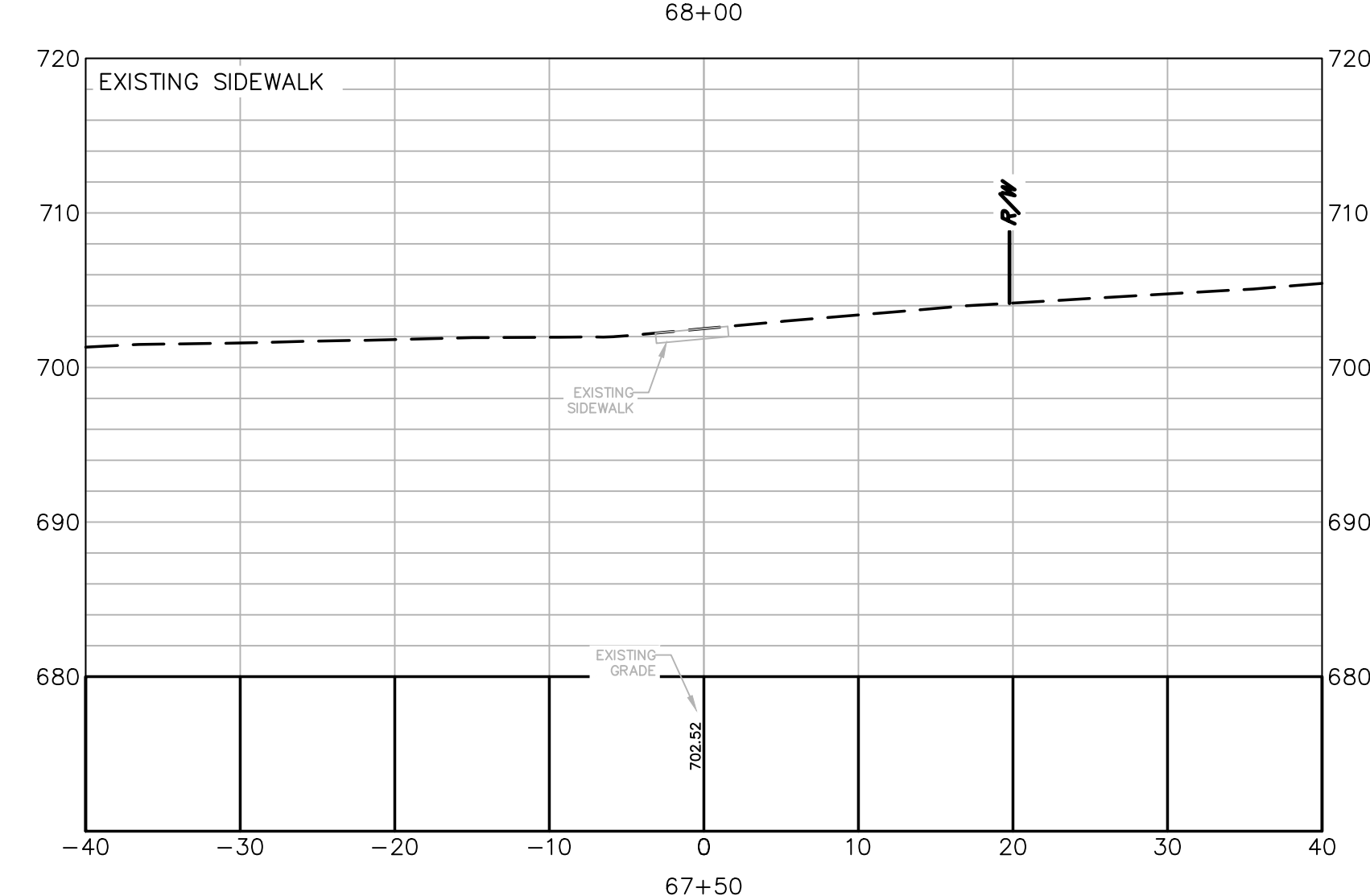
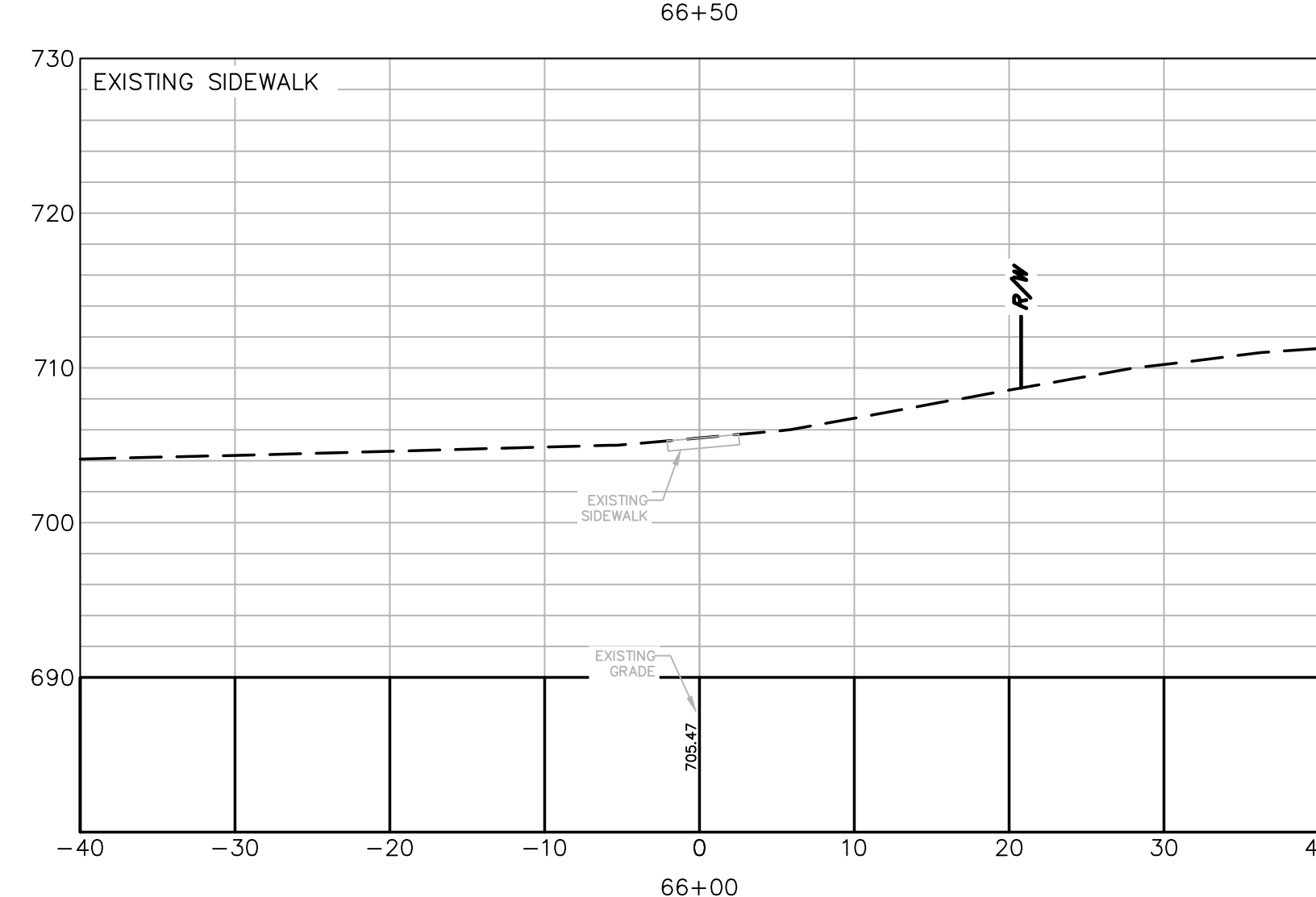
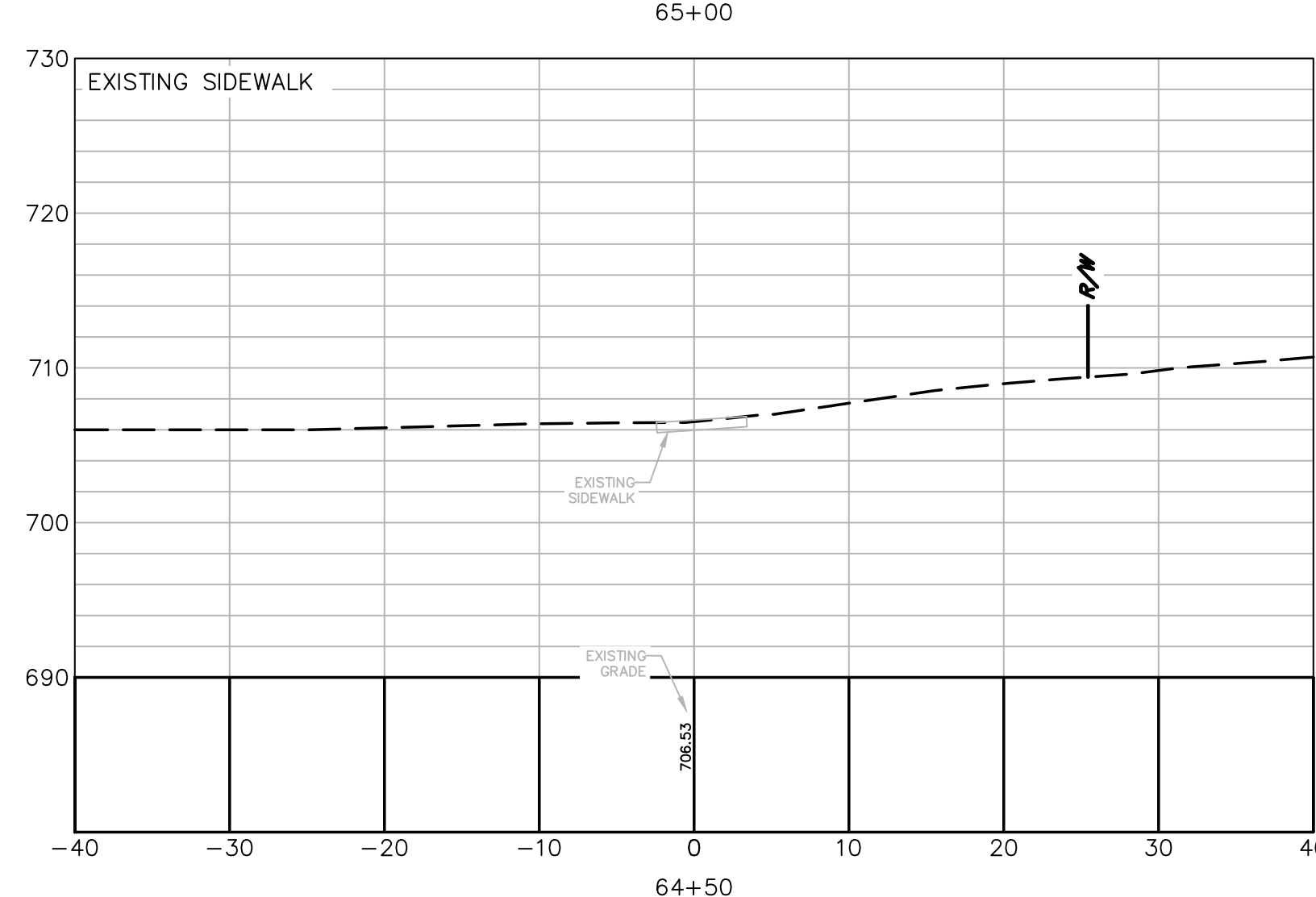
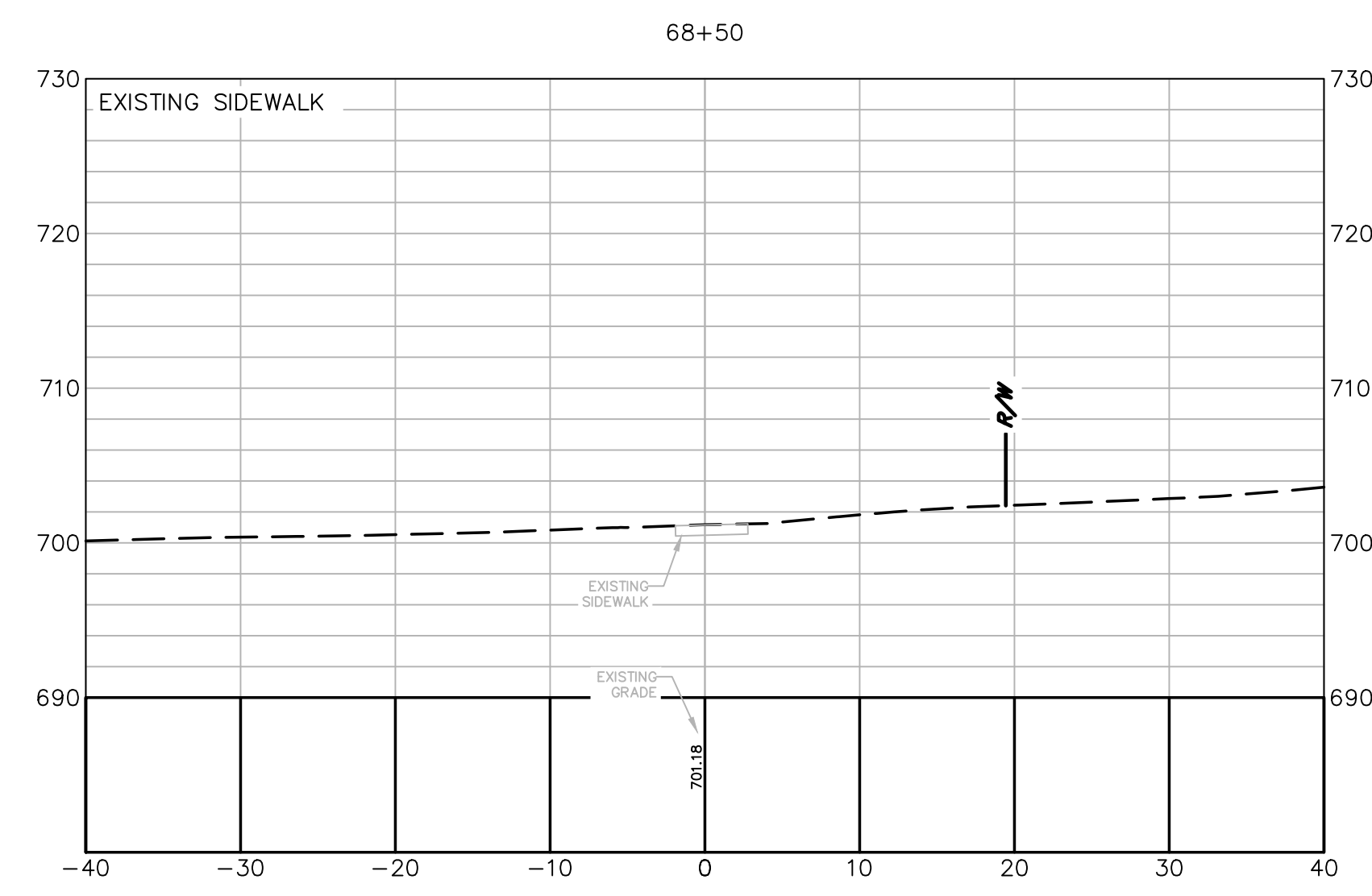
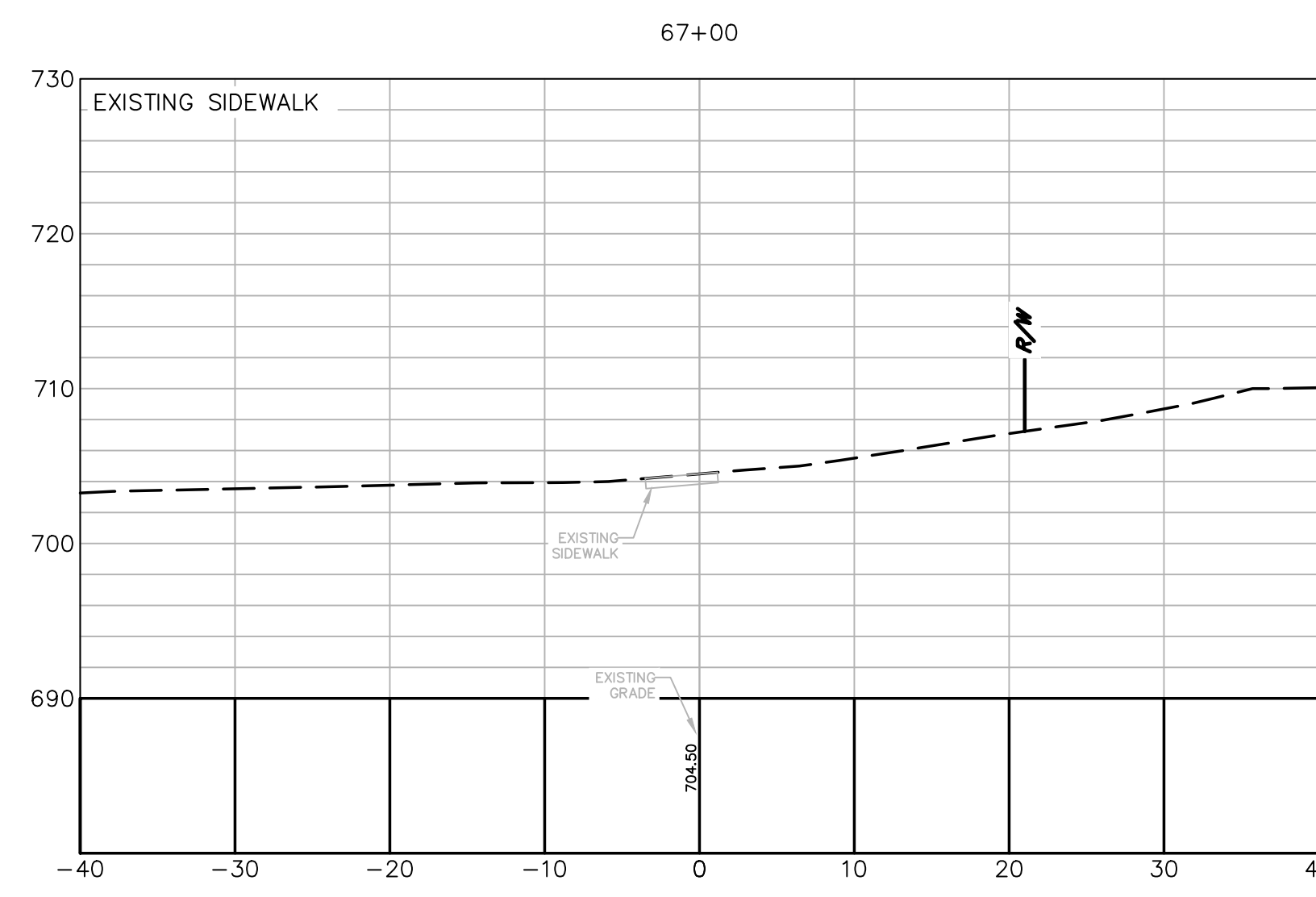
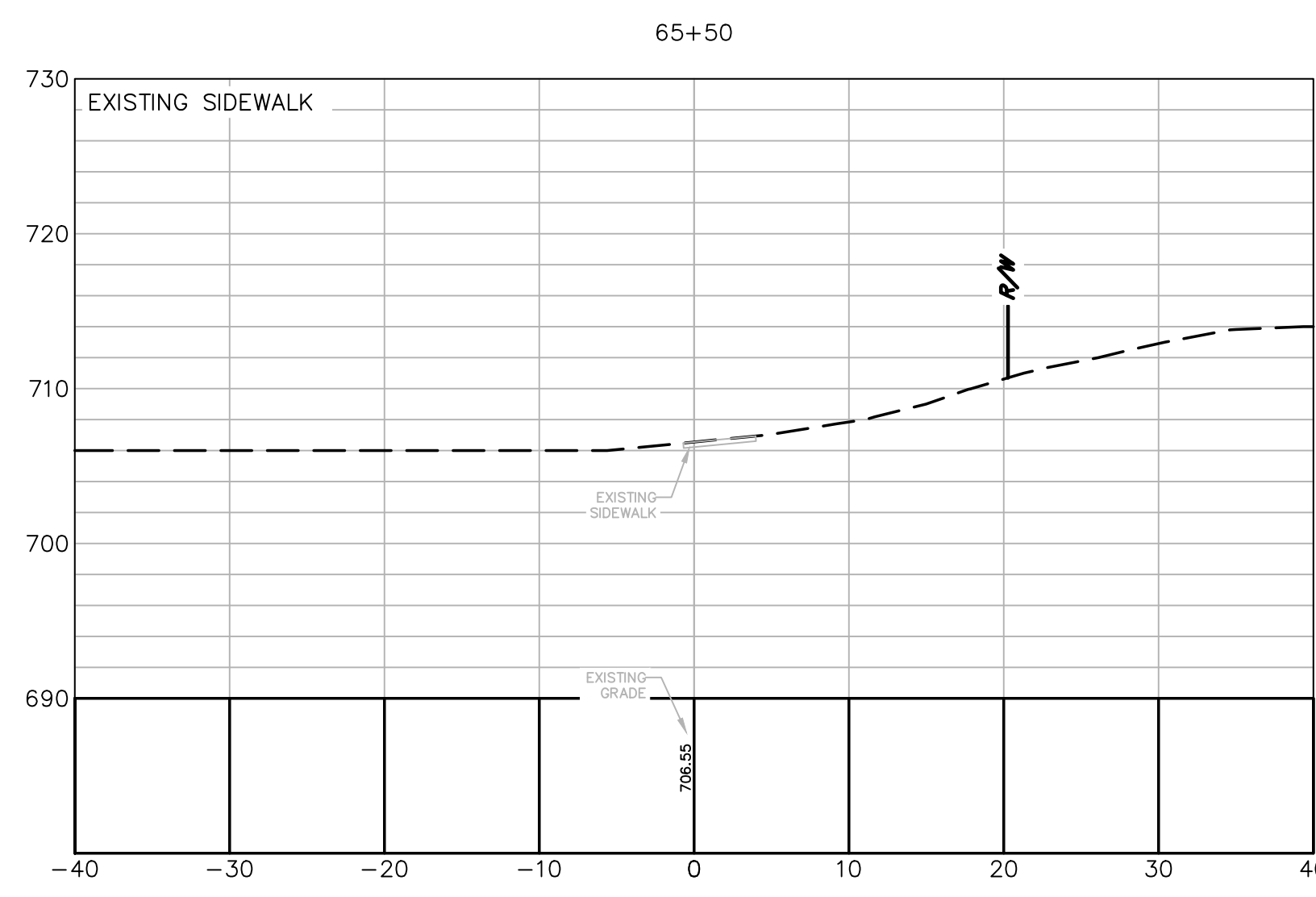
DRAWING FILE: 19023002E.DWG

DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-012



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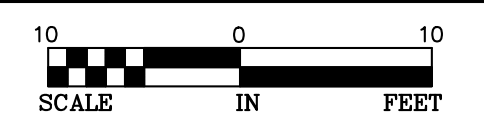
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ATHENS-CLARKE
COUNTY, GA

HEET TITLE: CROSS SECTIONS

PROJECT NAME

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

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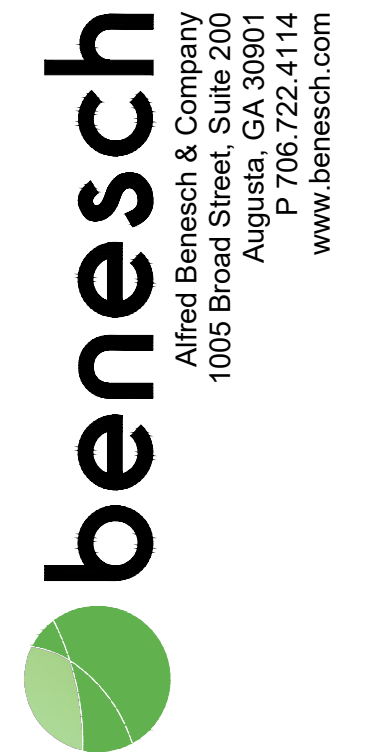
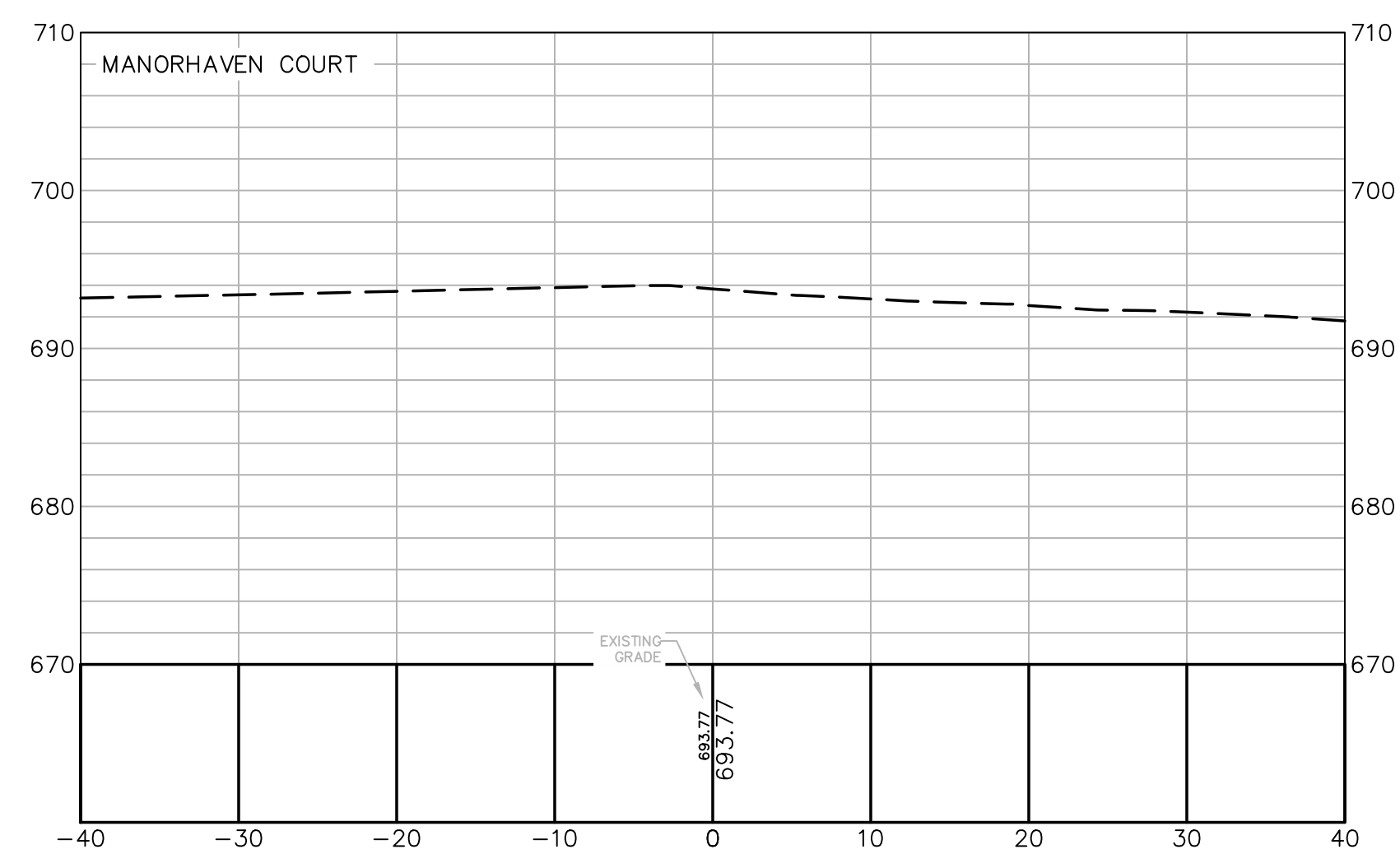
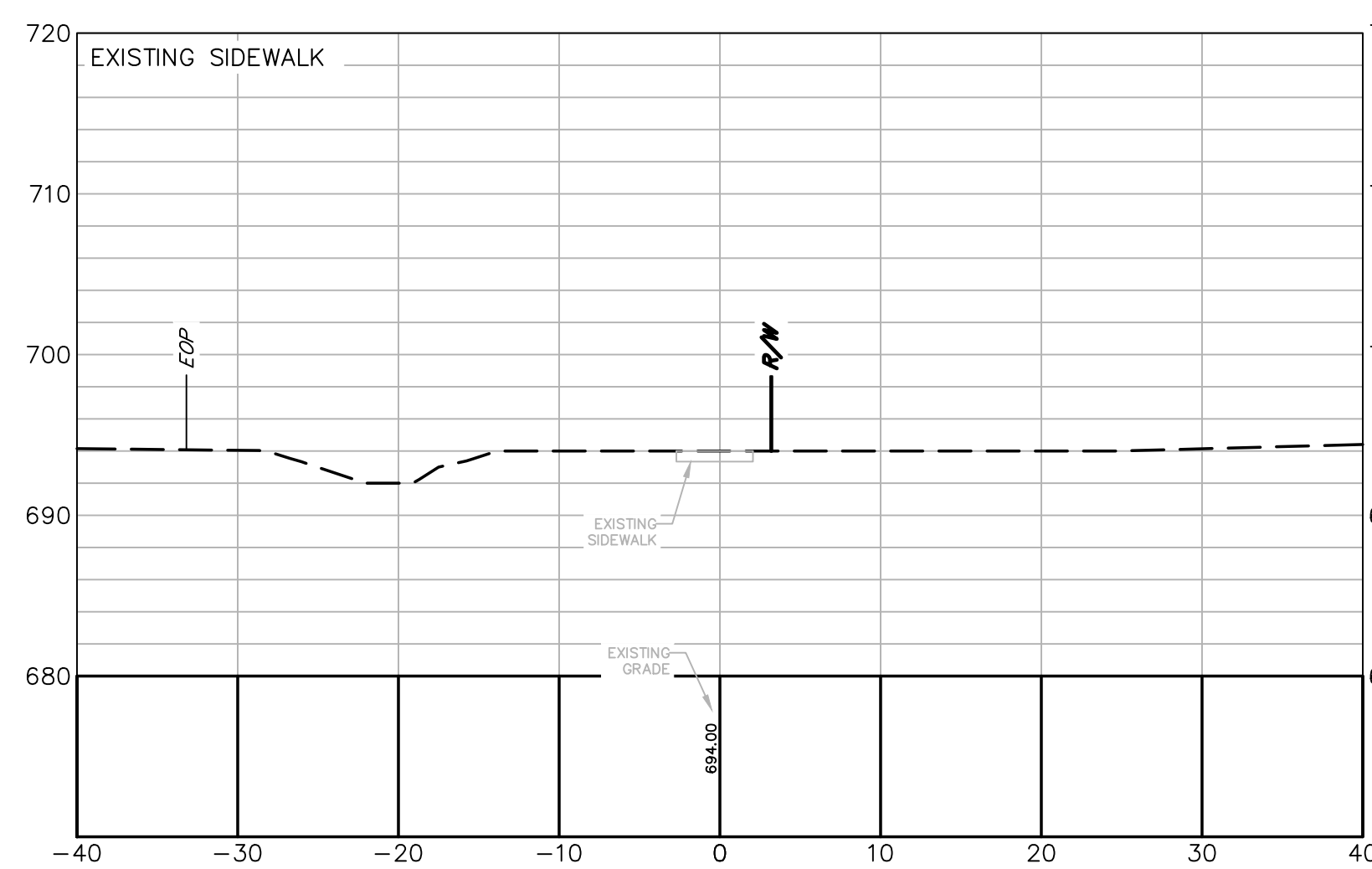
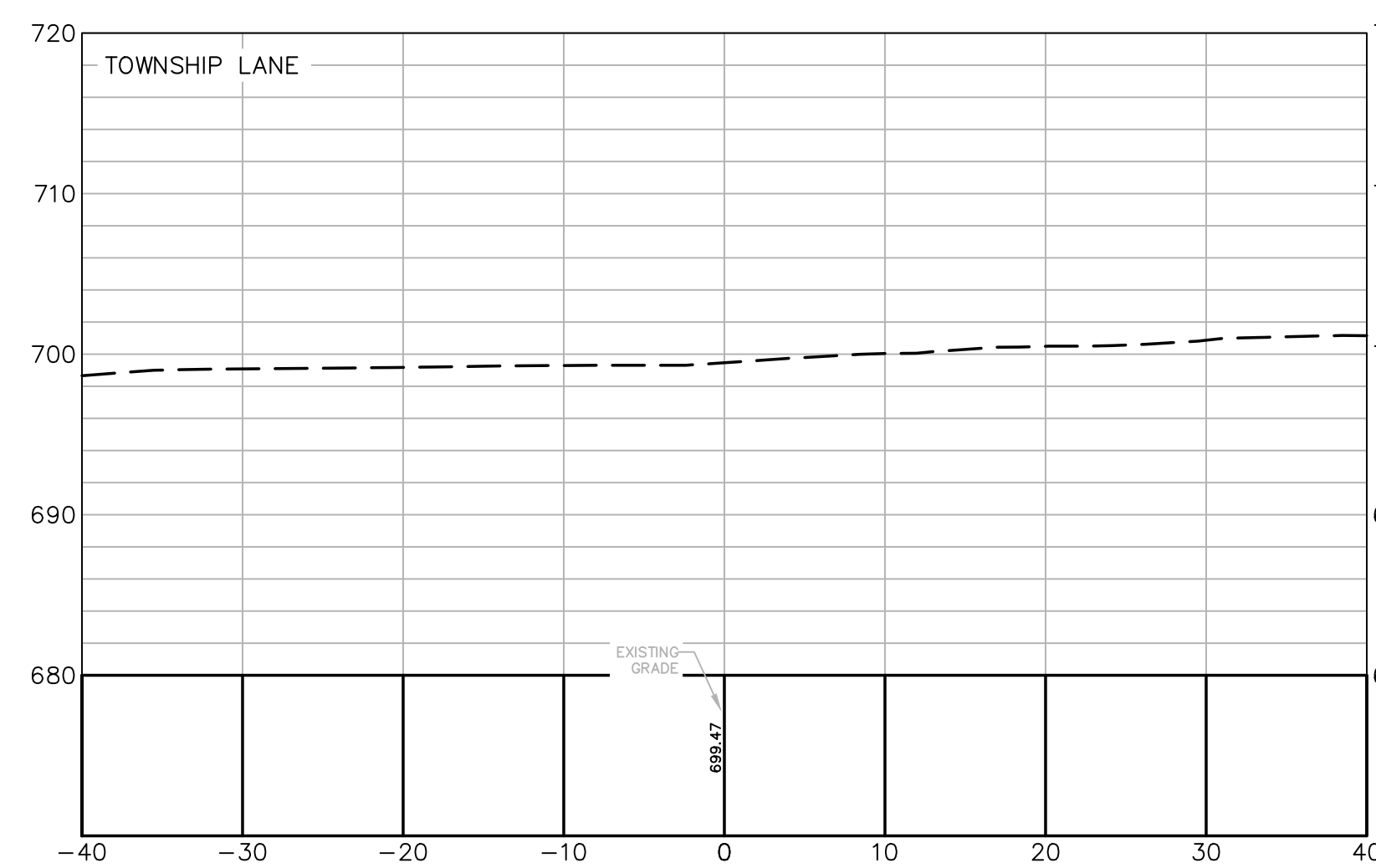
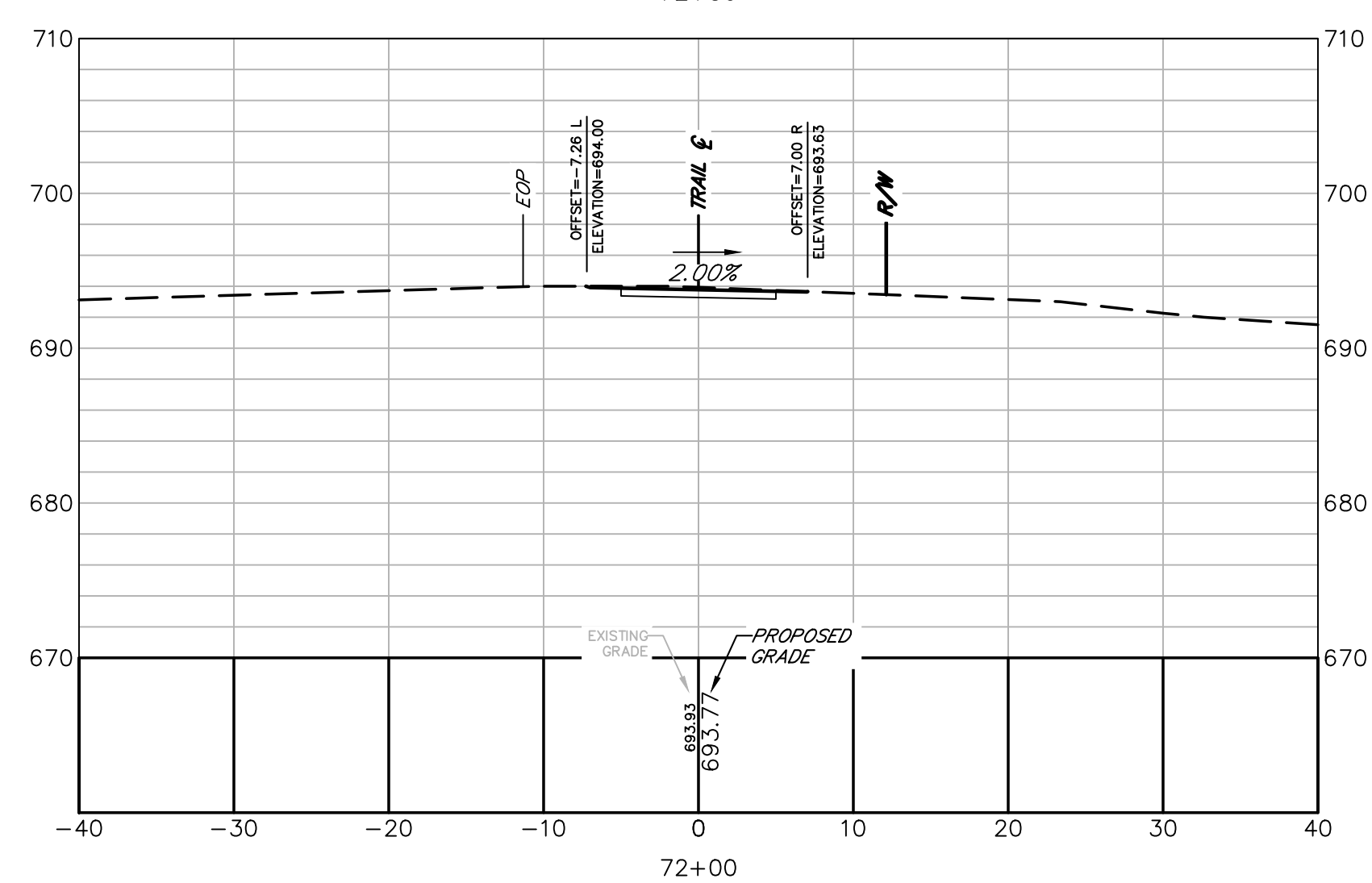
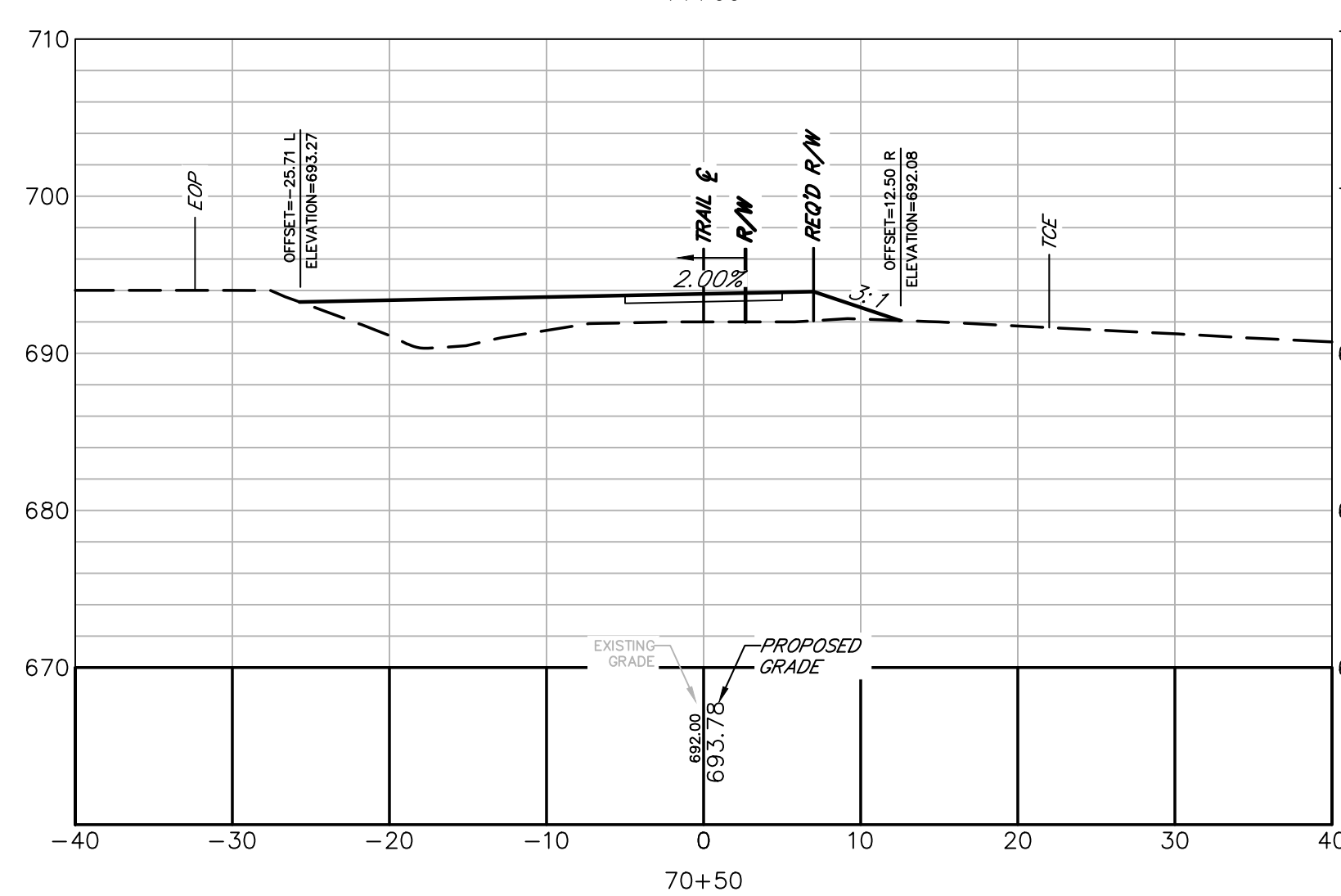
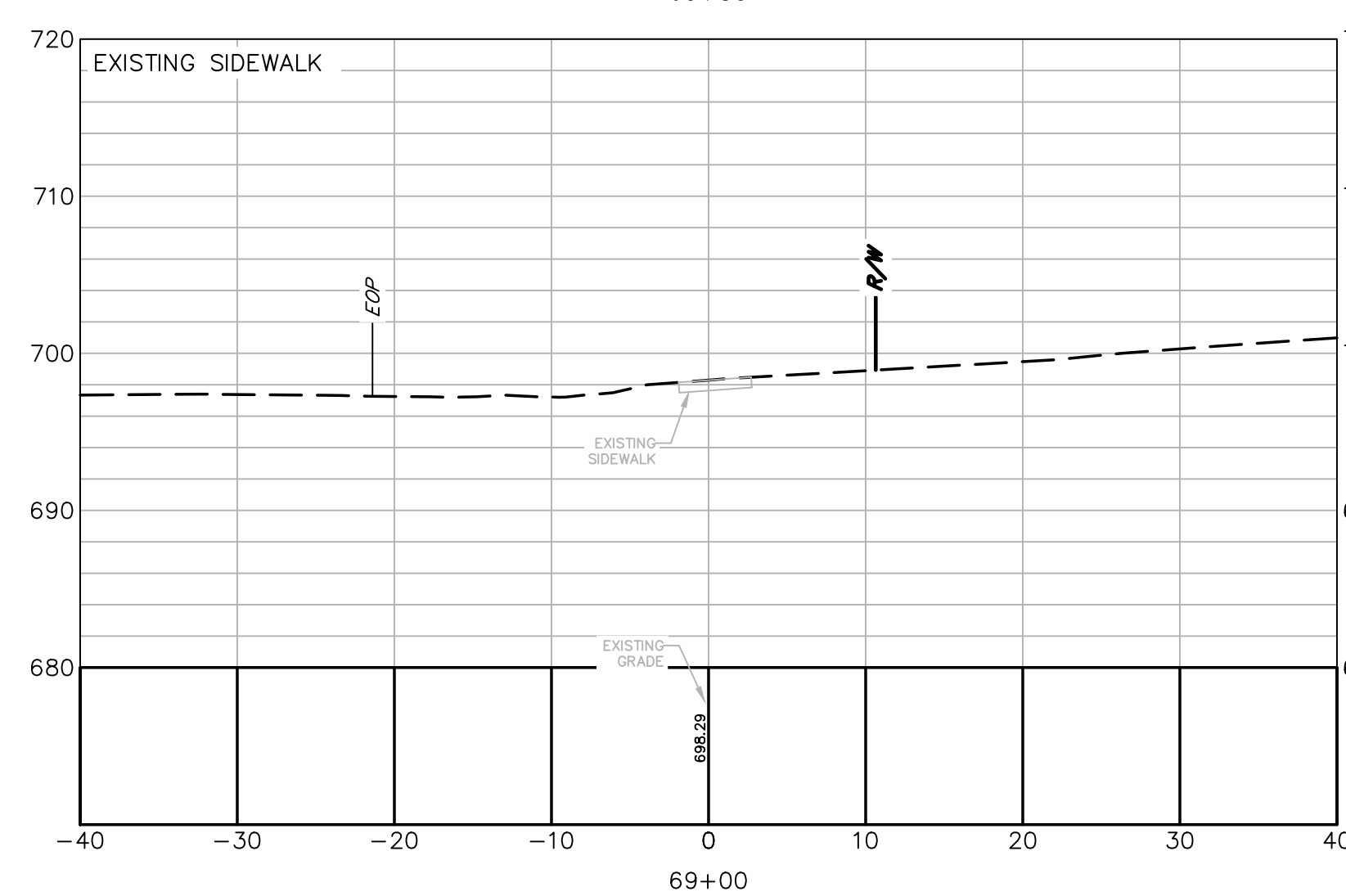
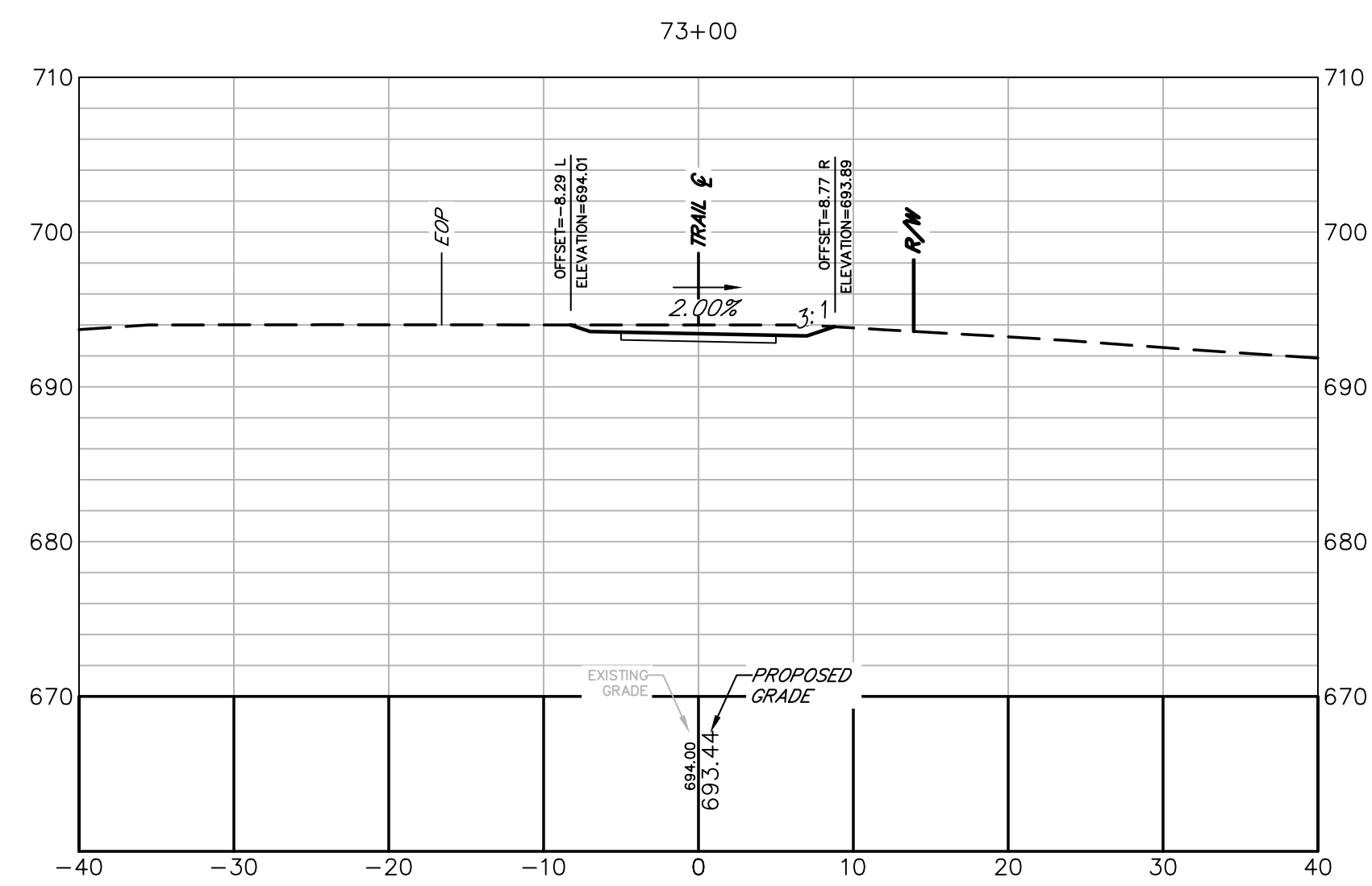
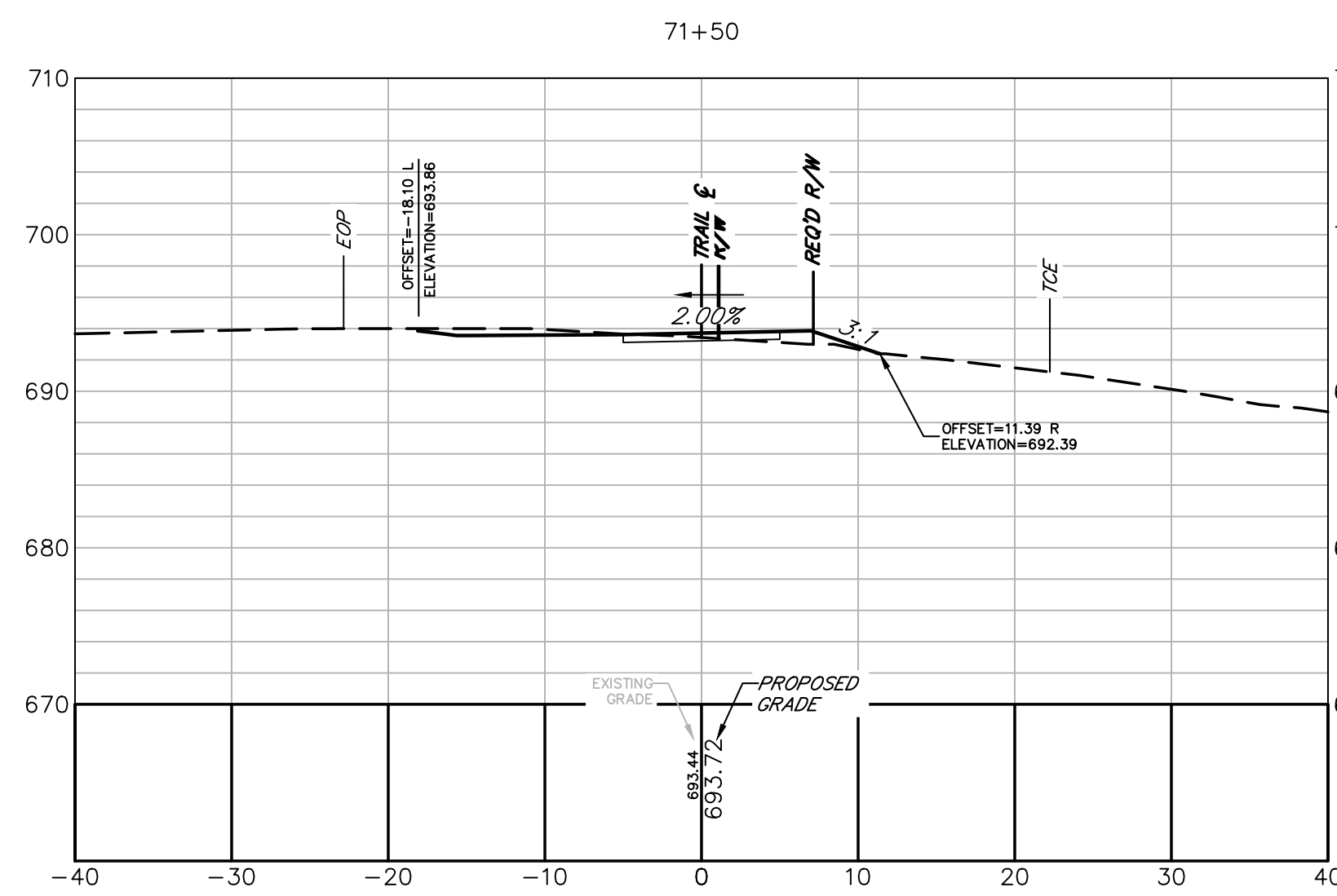
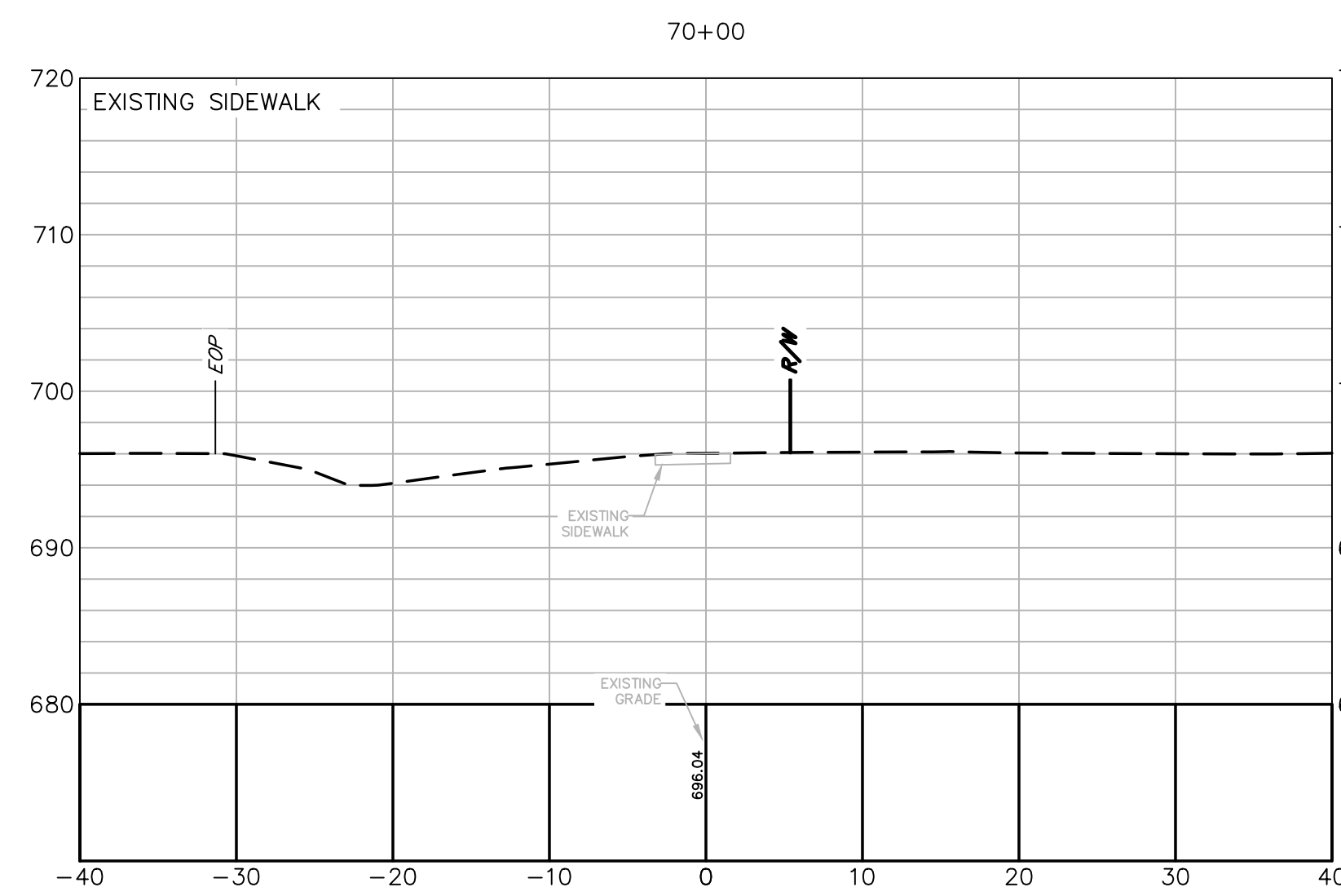
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ORIGINAL RELEASE DATE:

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-013



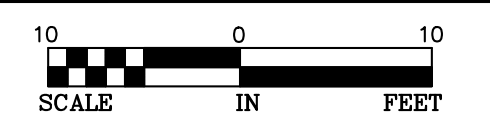
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[illegible]

ATHENS-CLARKE
COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
**TIMOTHY ROAD
SHARED USE PATH
SECTION I**



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

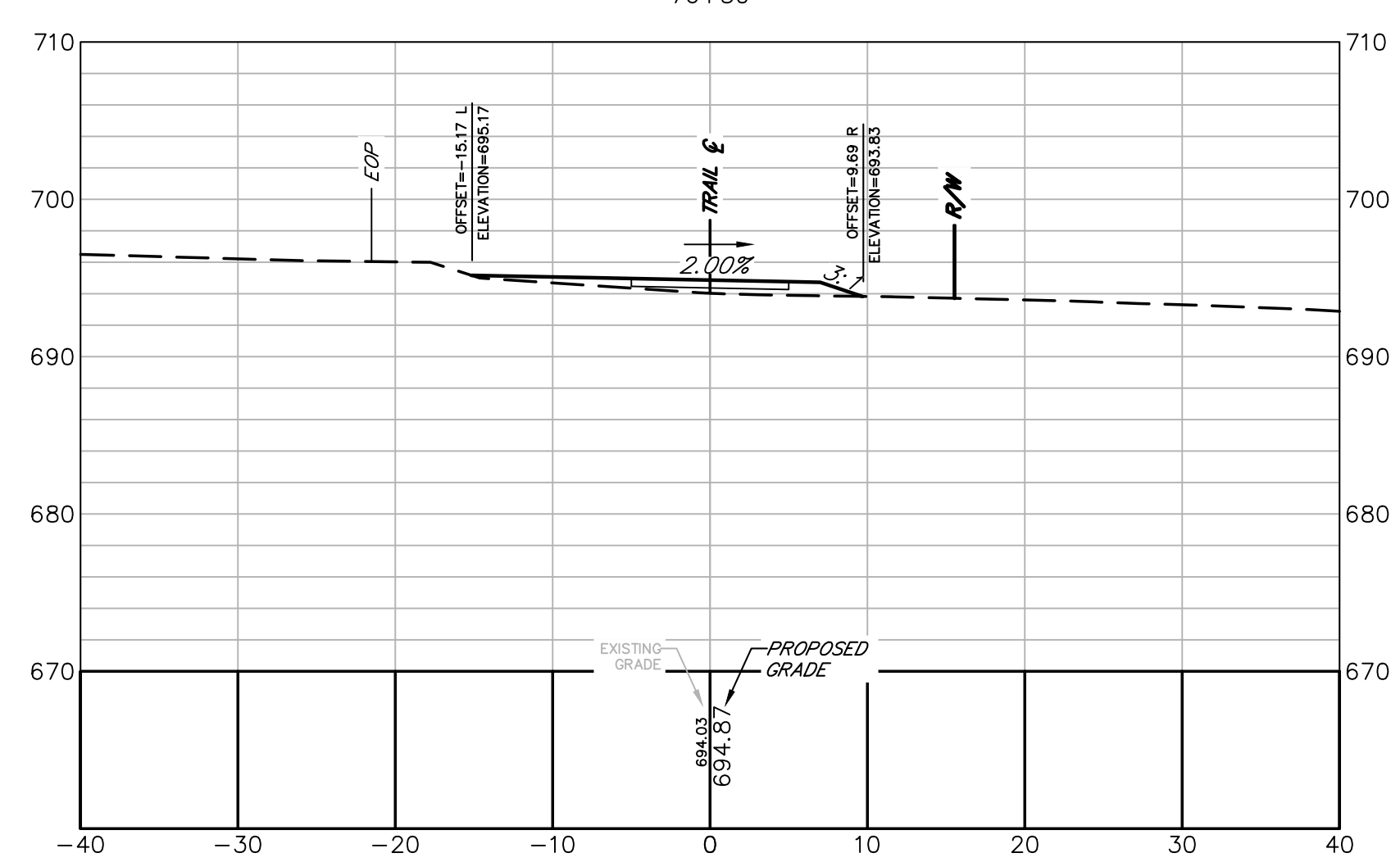
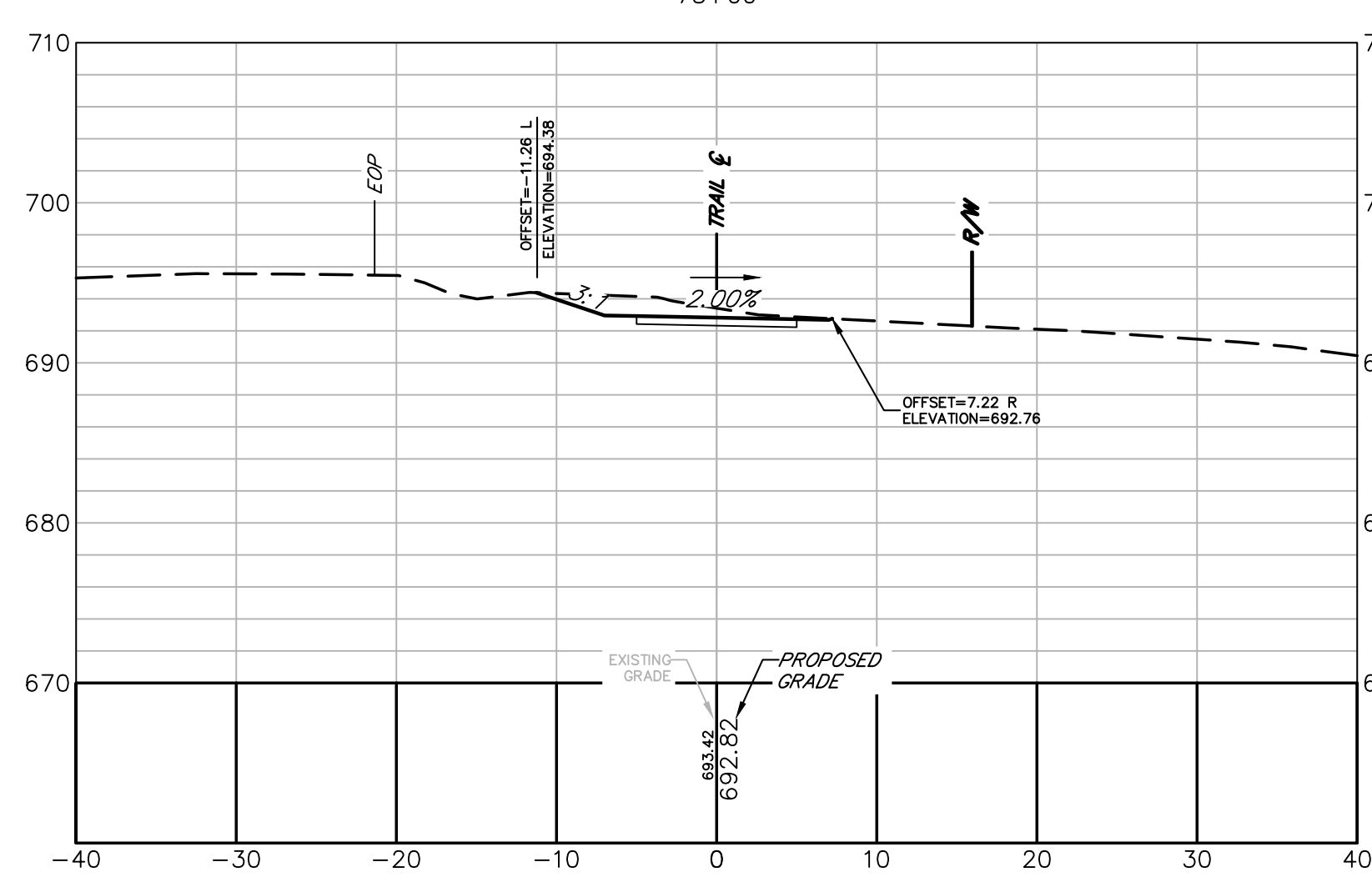
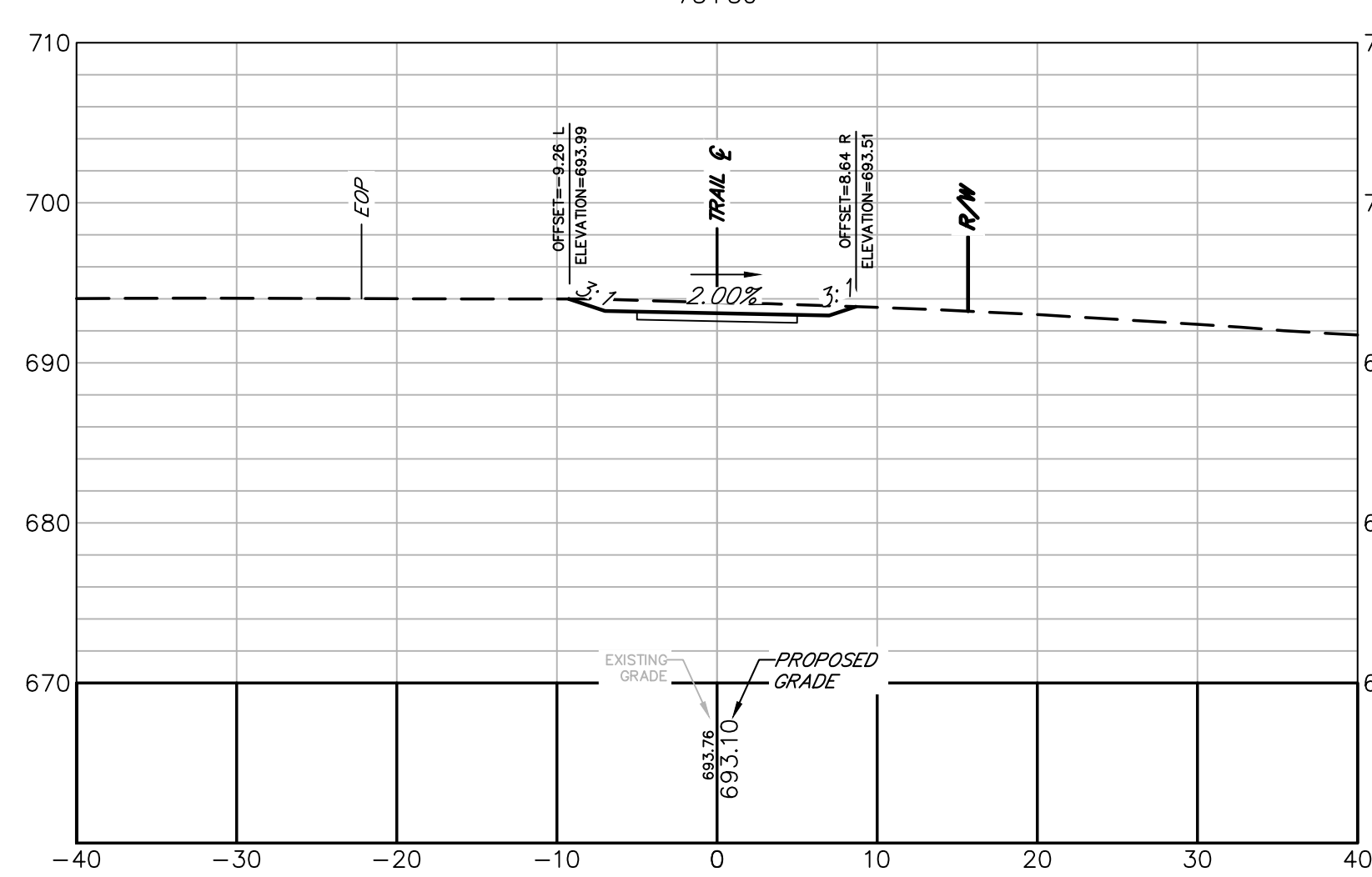
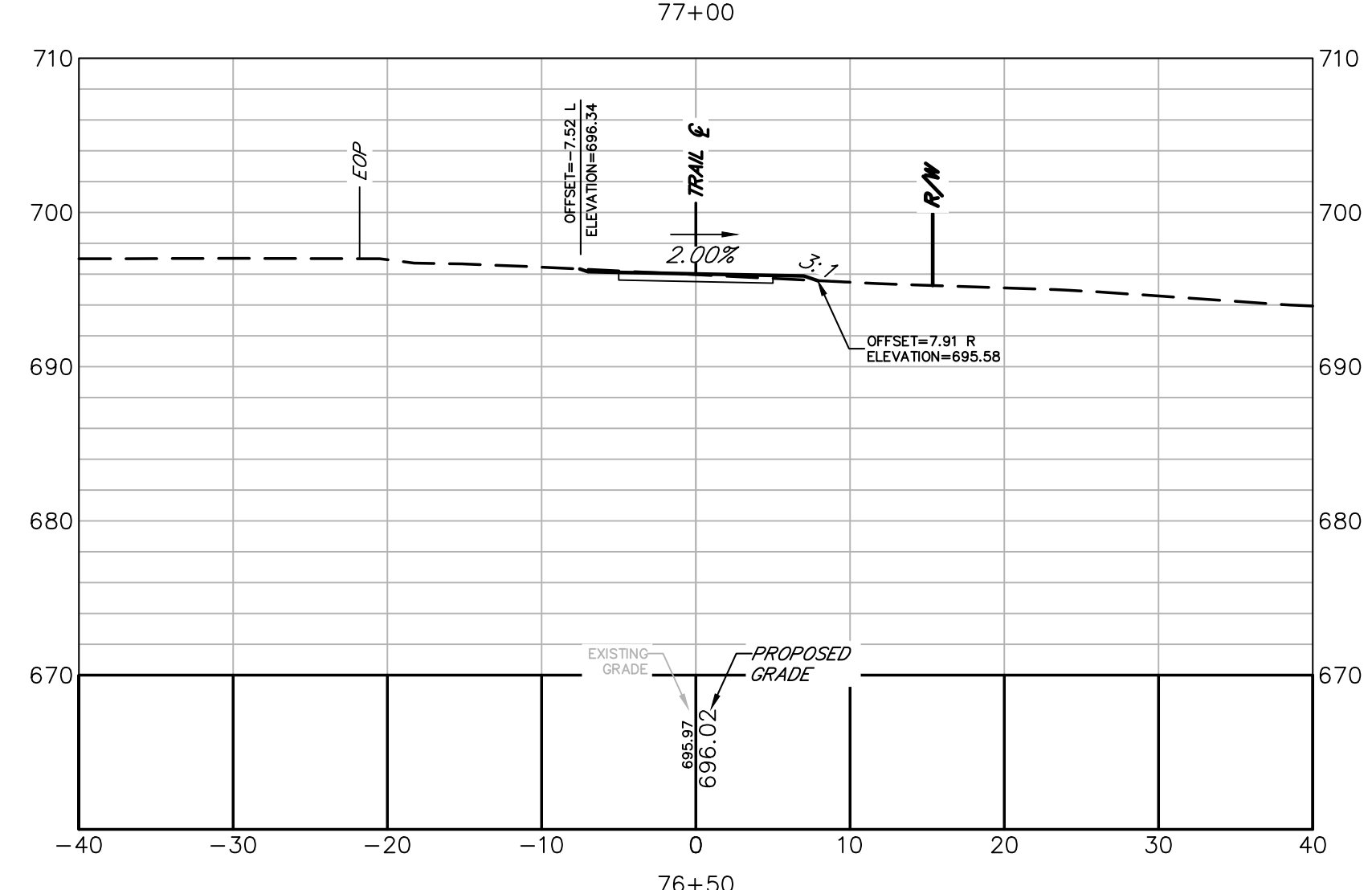
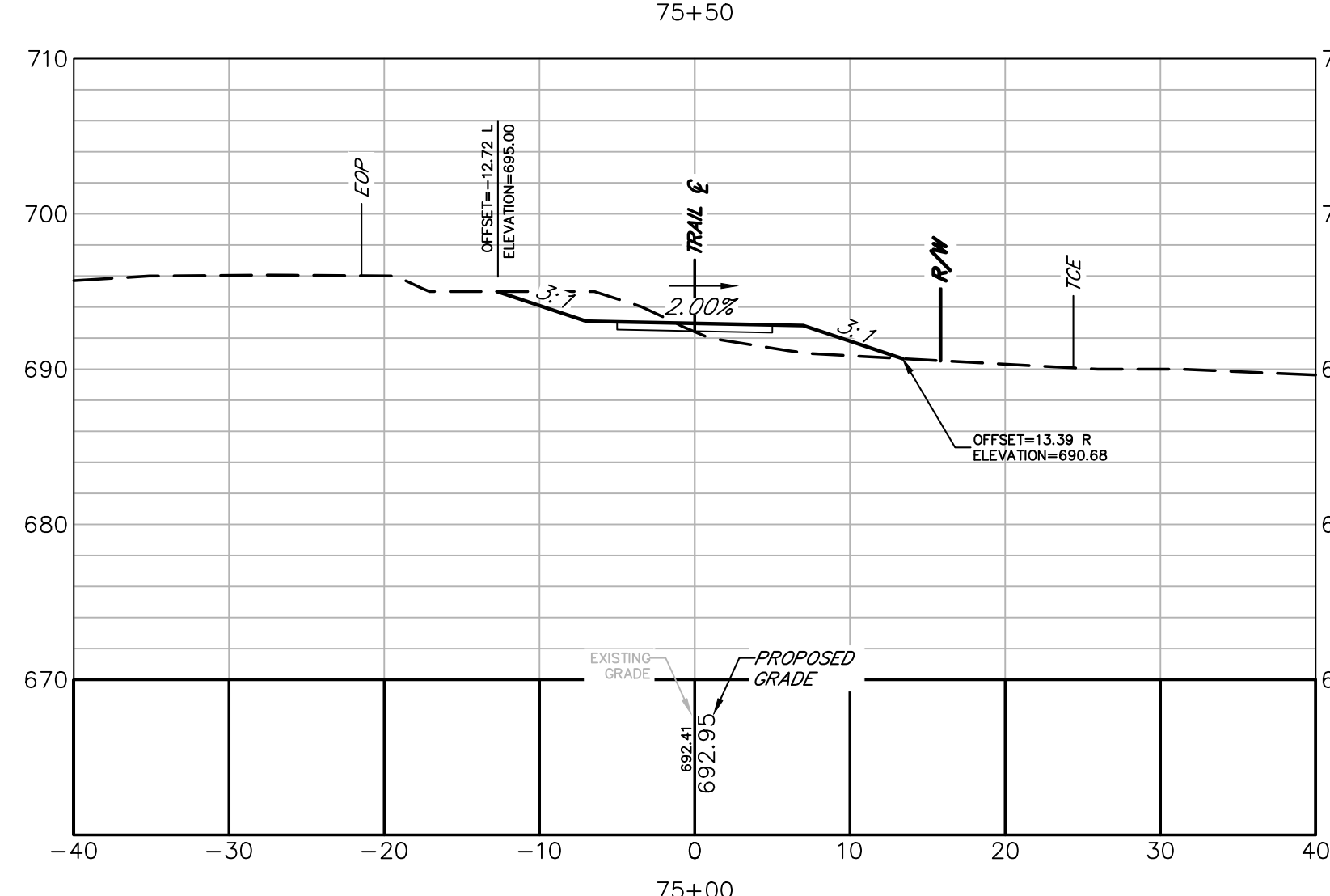
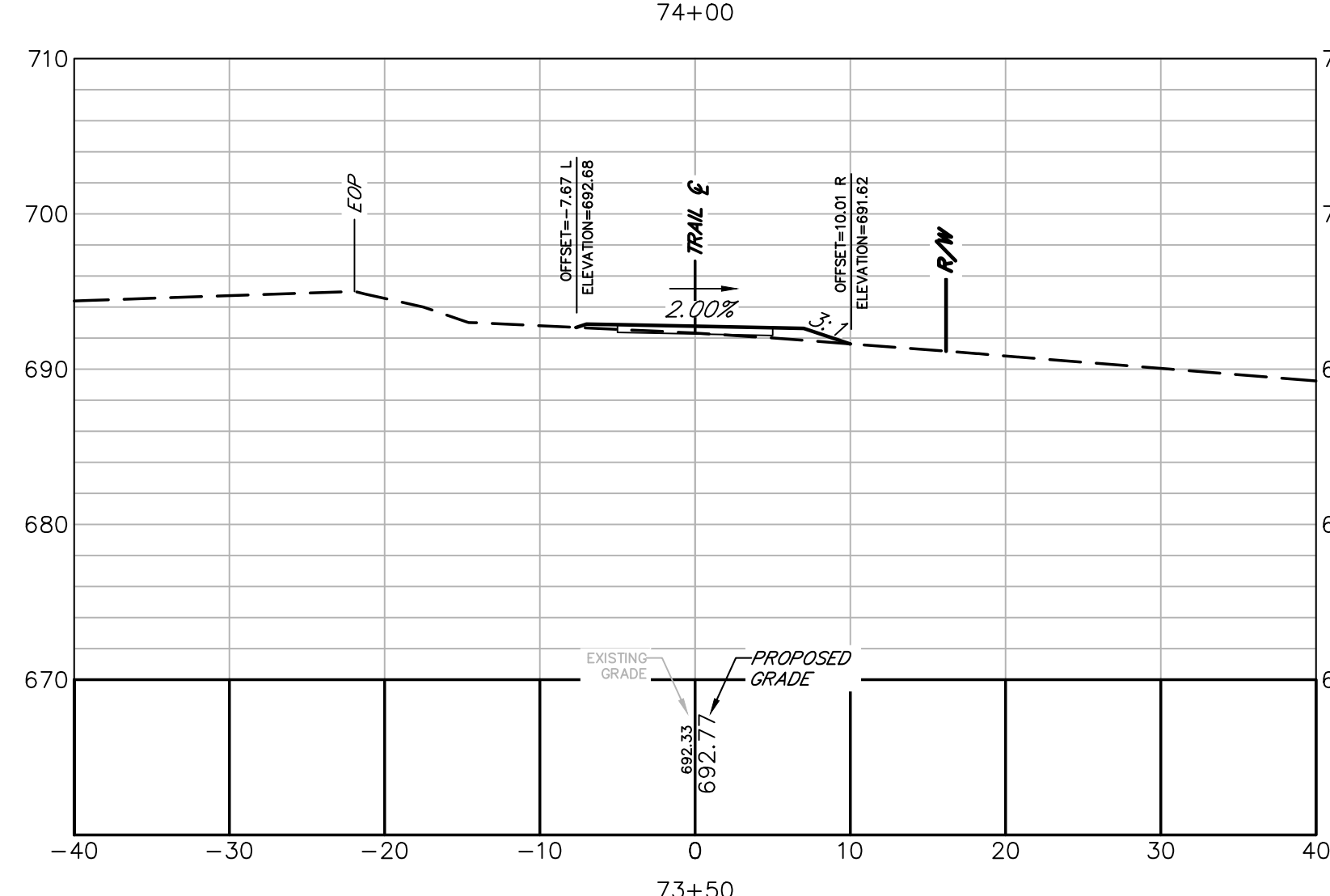
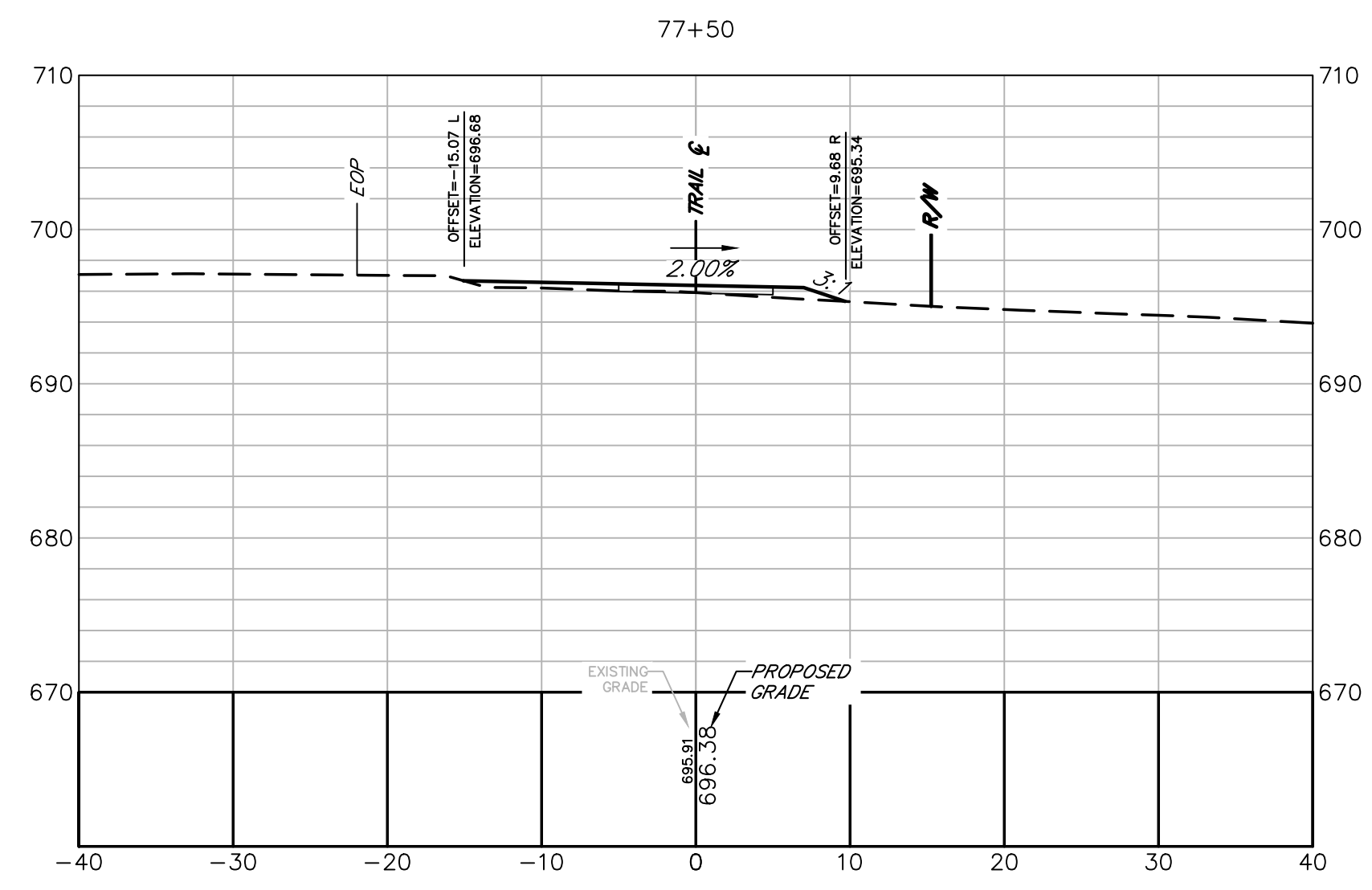
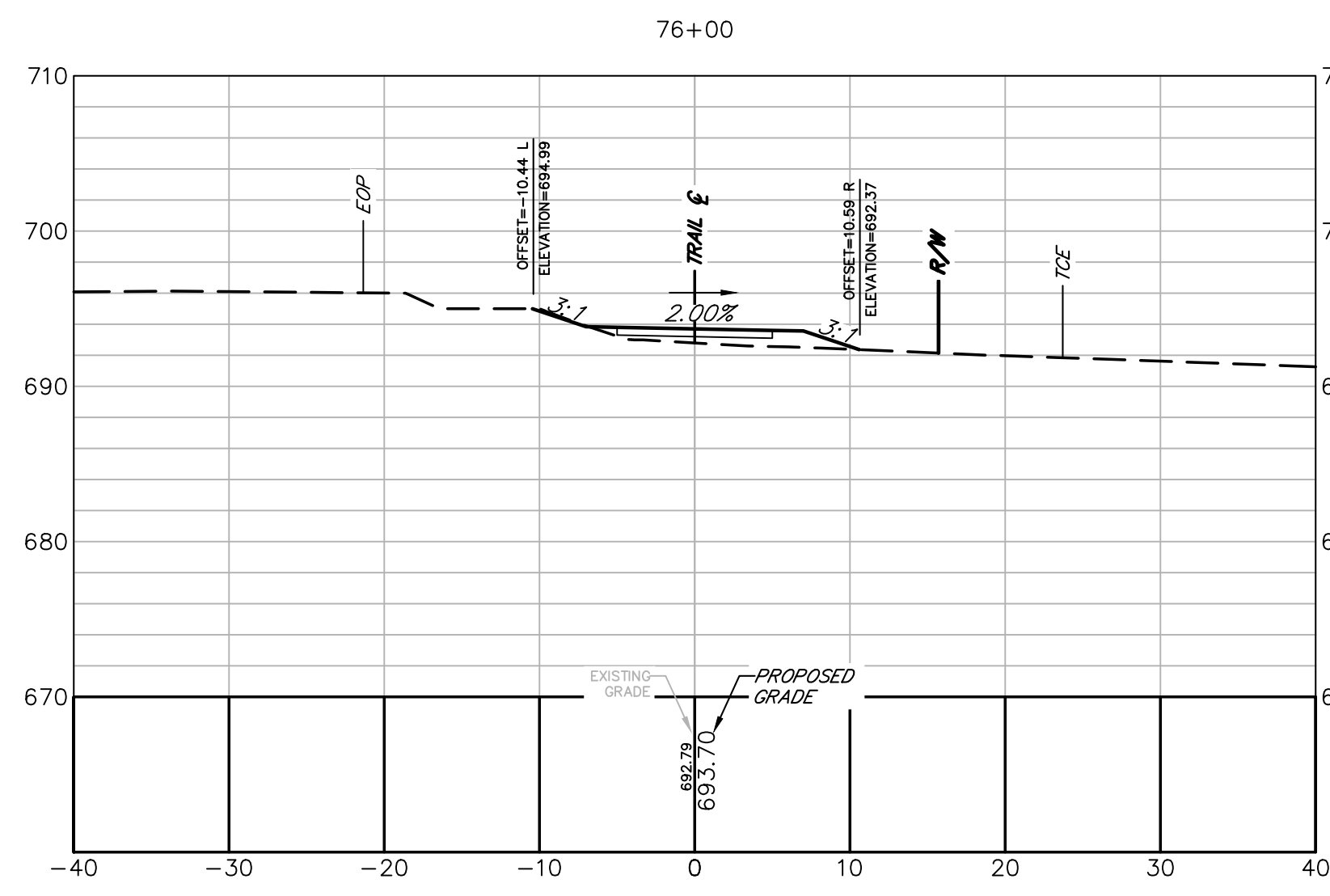
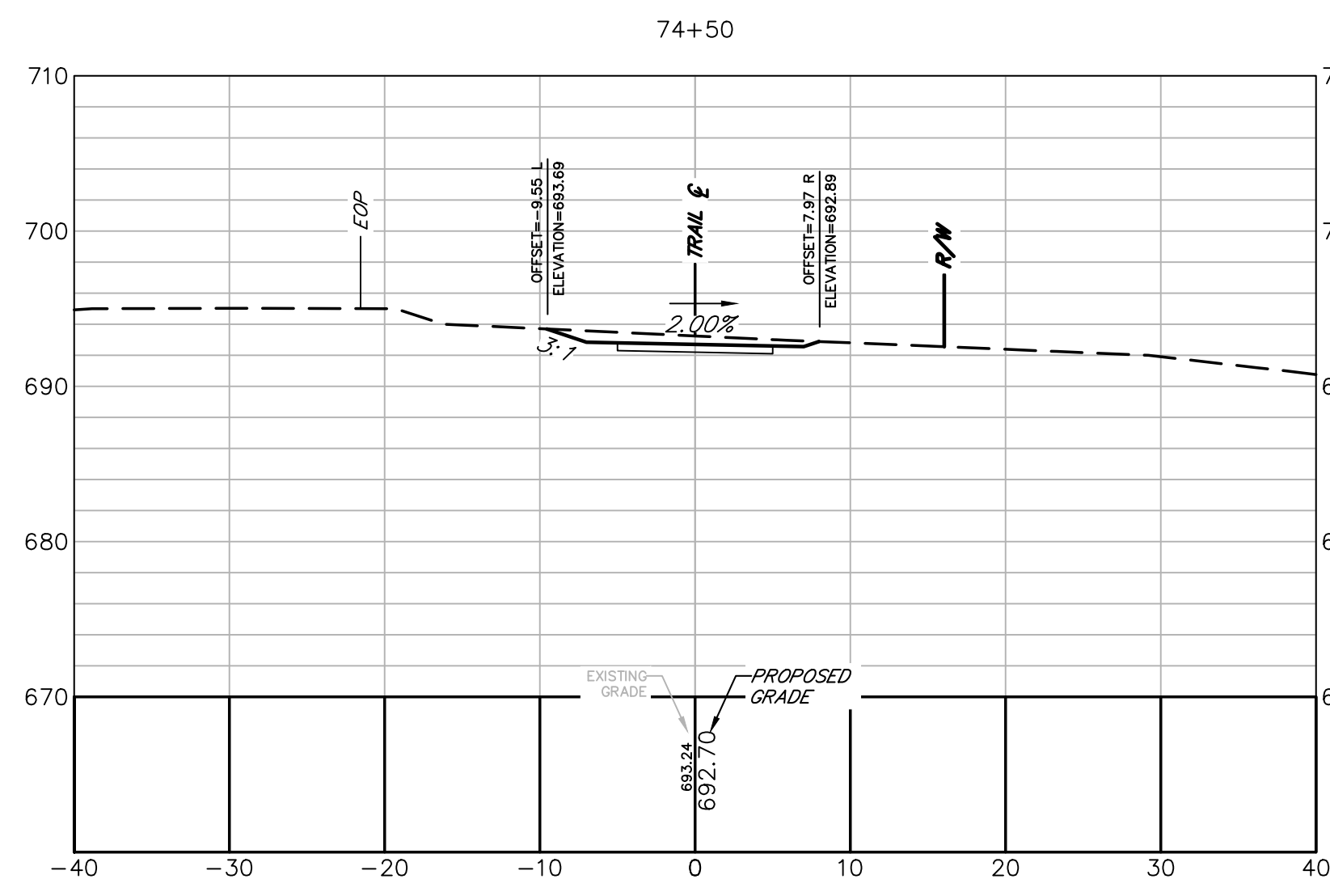
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ORIGINAL RELEASE DATE:

MAY 31, 2024

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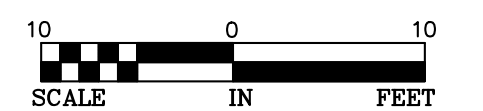
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ATHENS-CLARKE
COUNTY, GA

HEET TITLE: CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

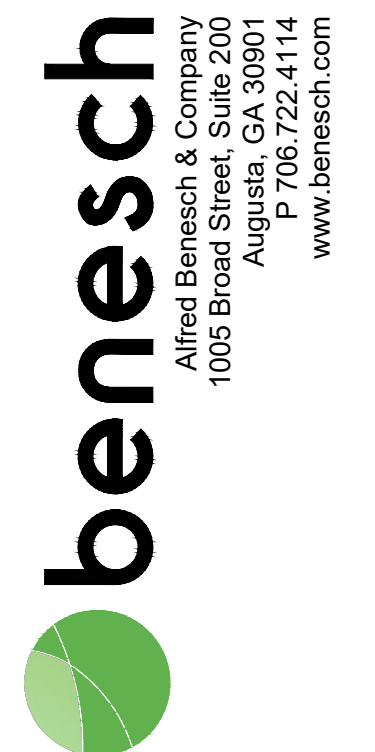
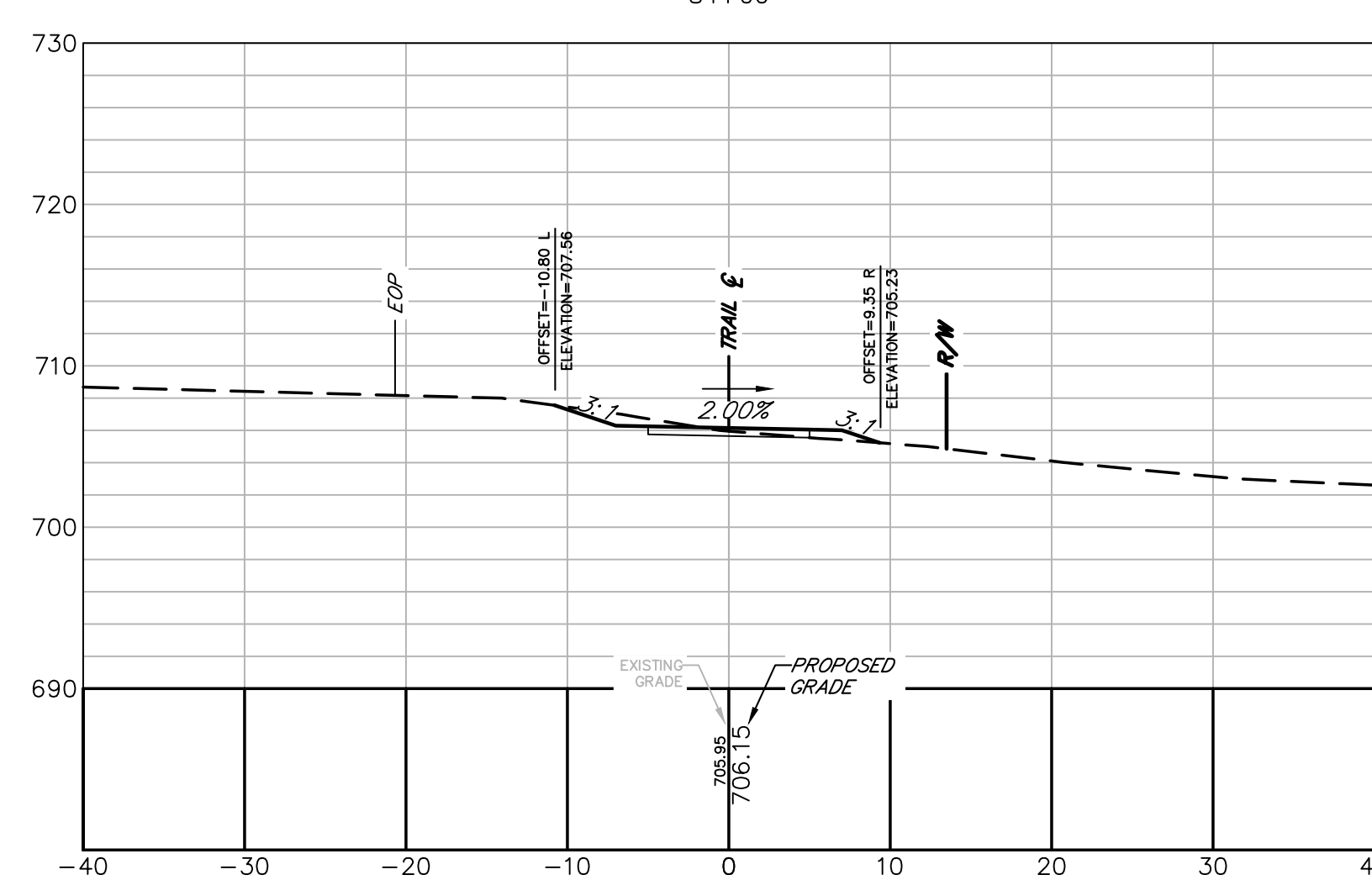
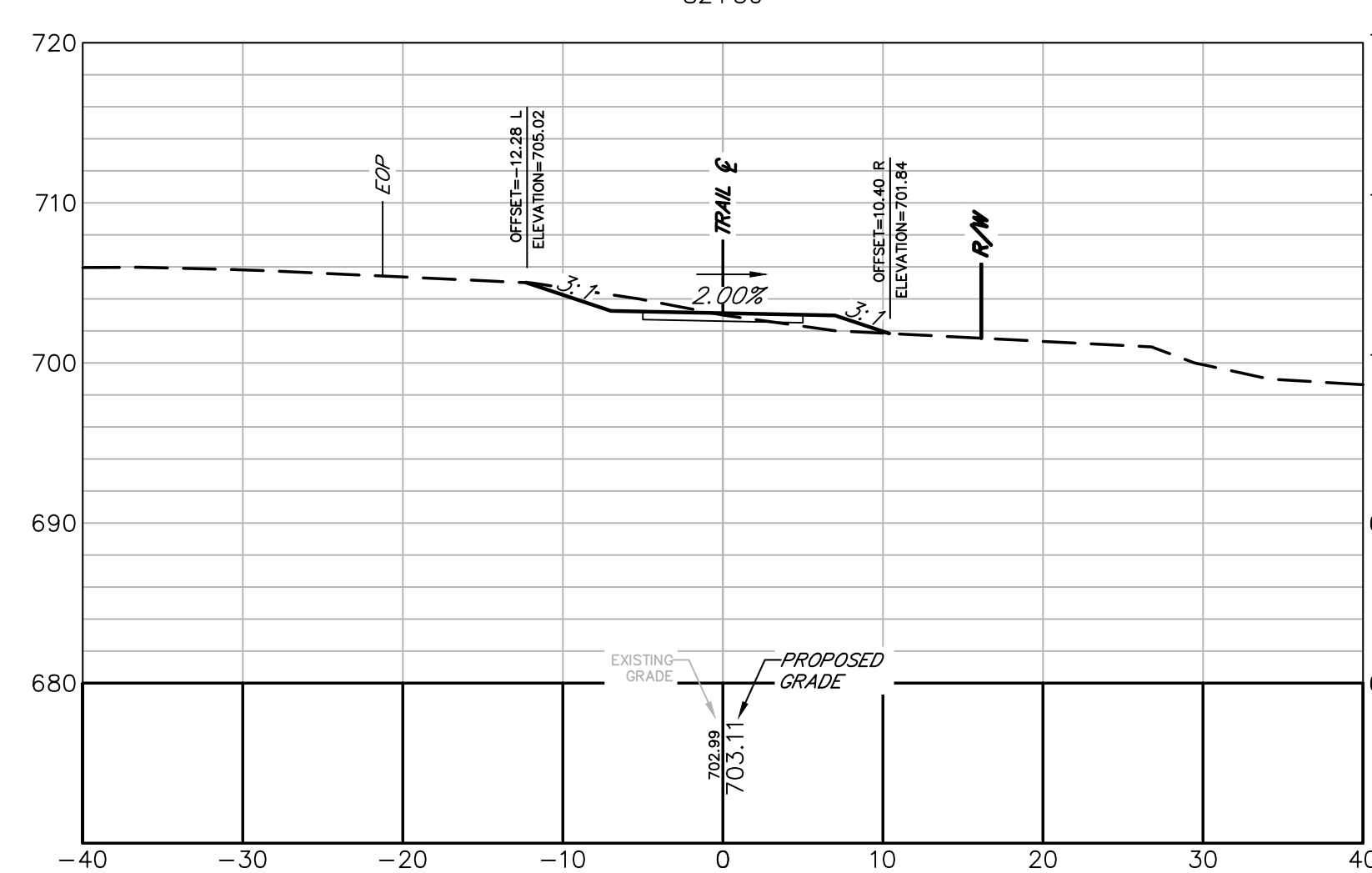
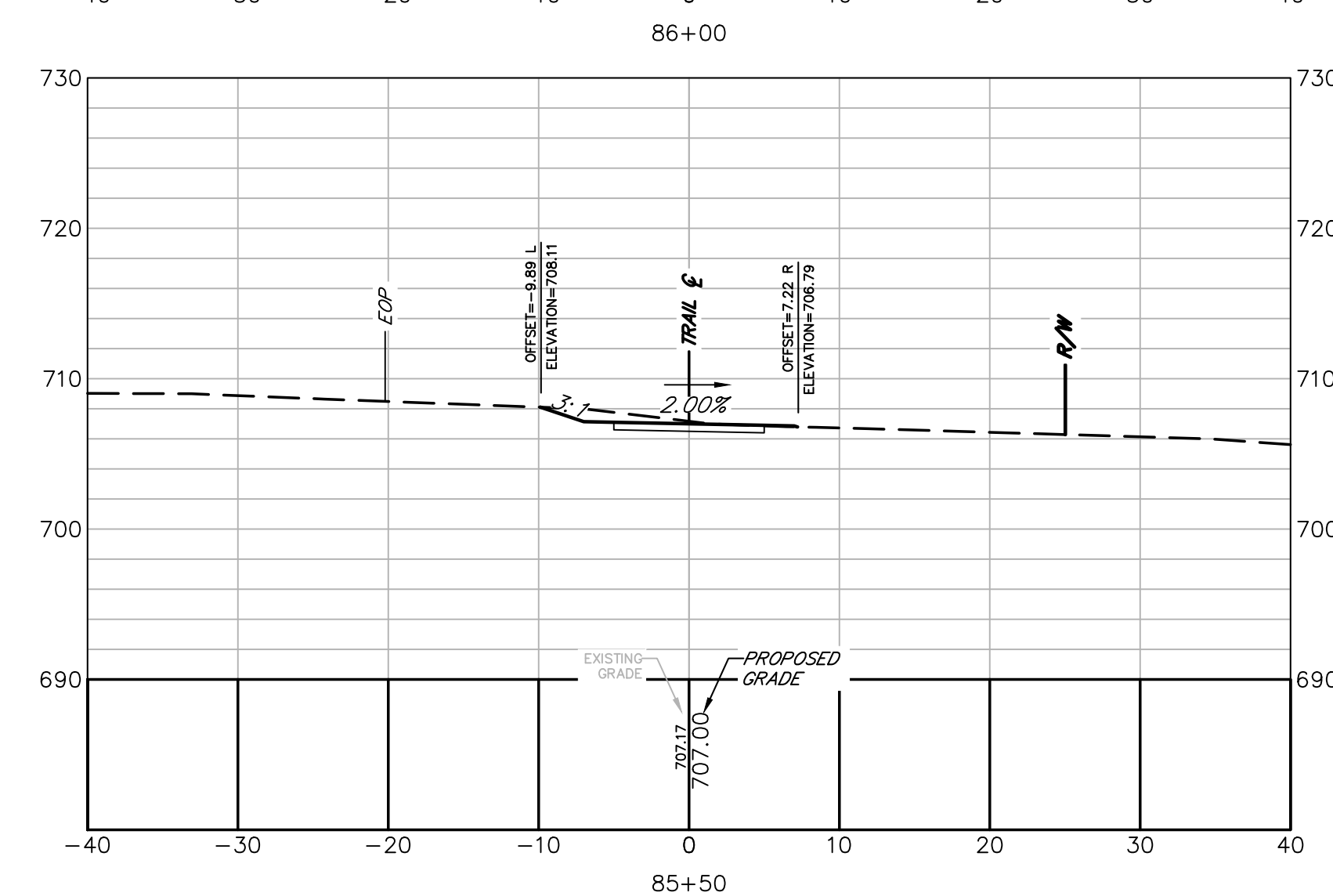
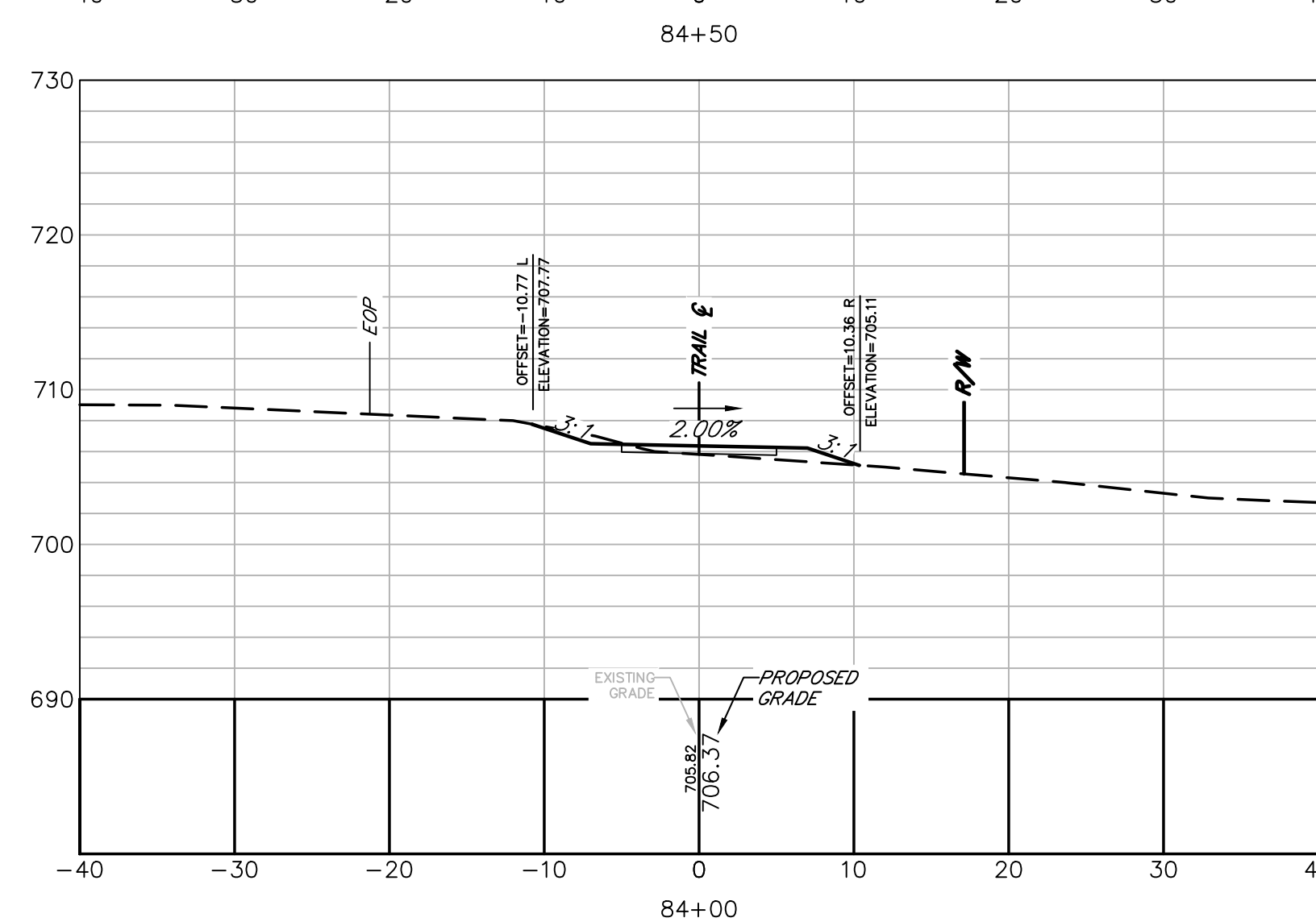
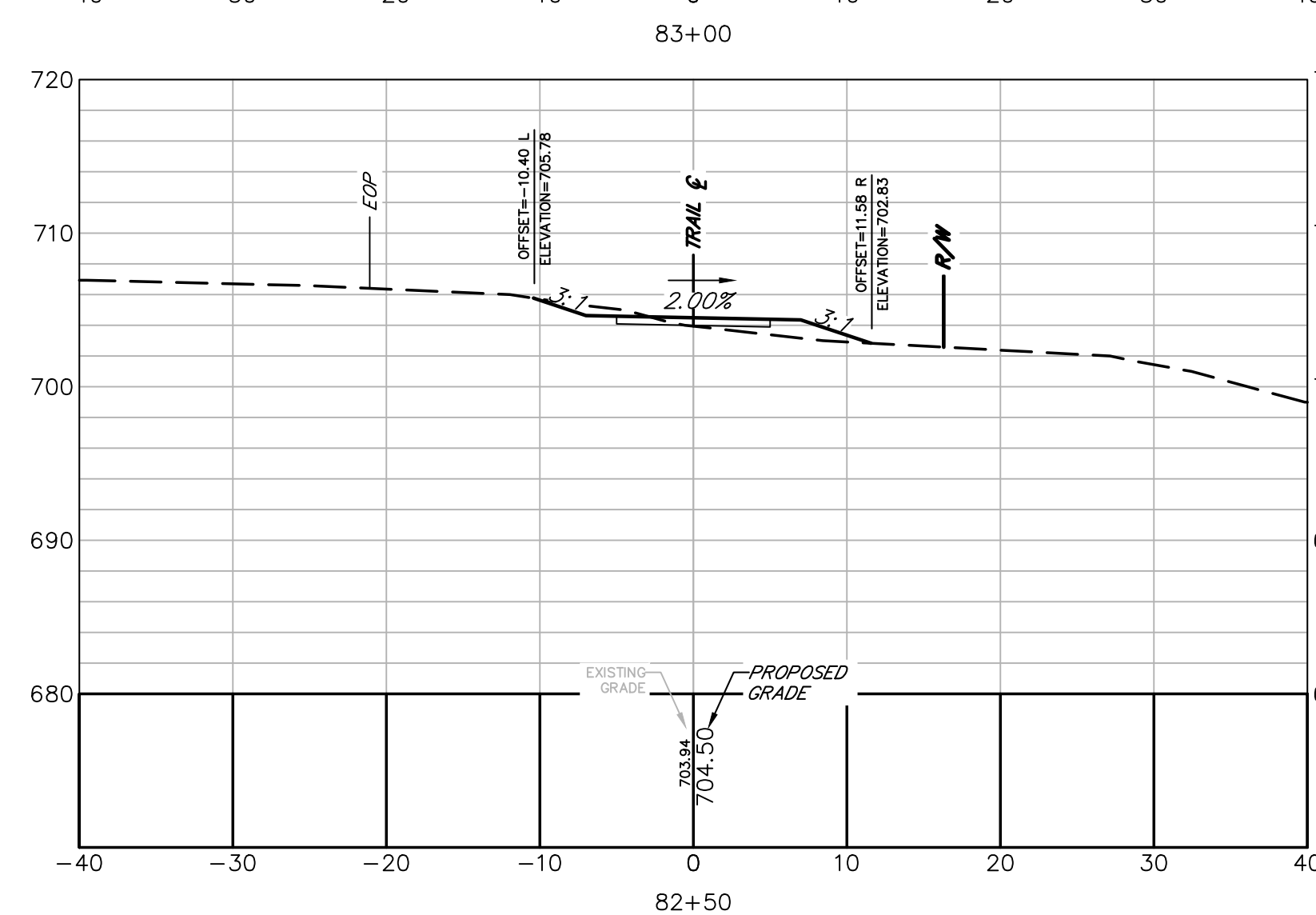
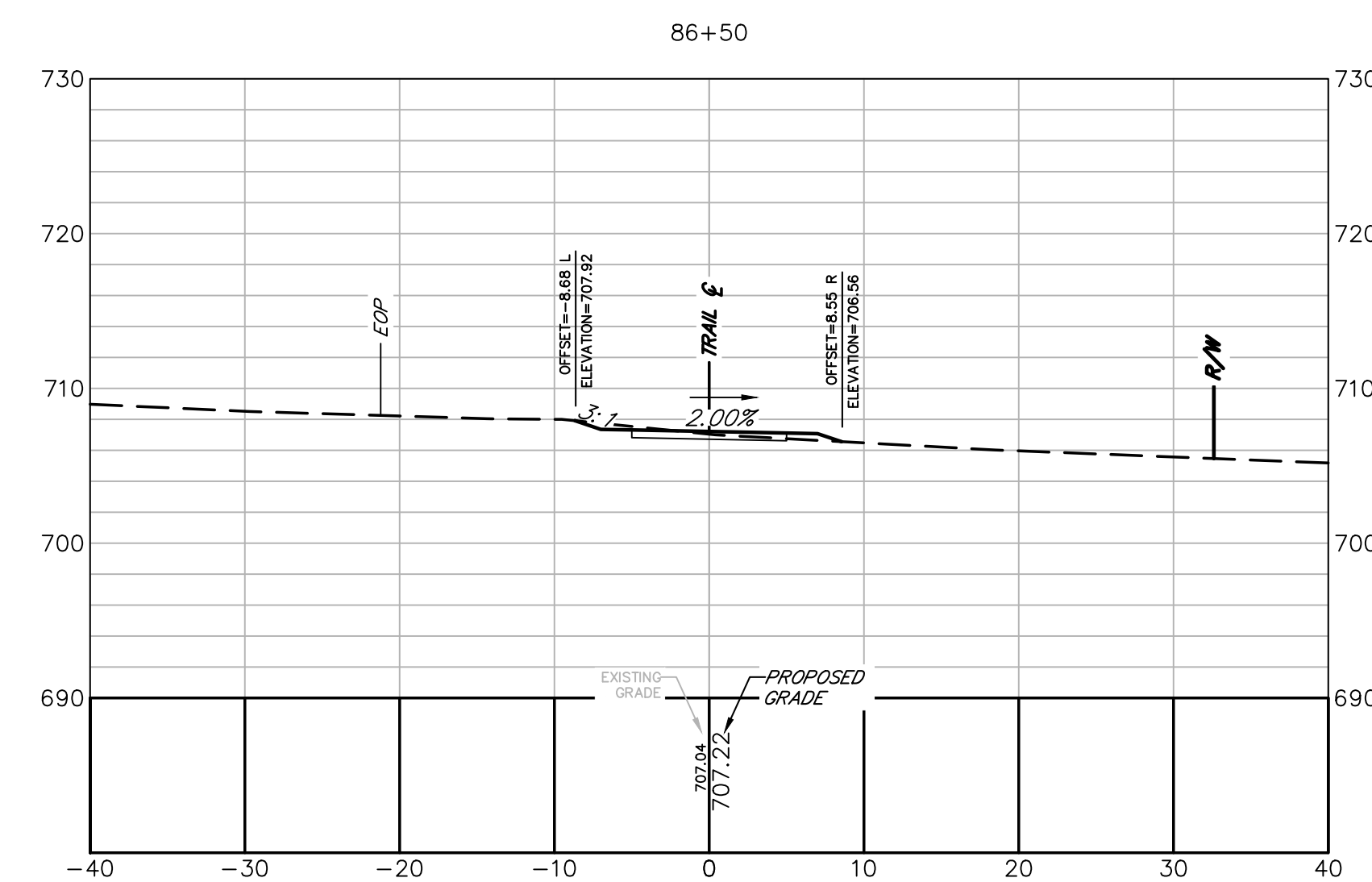
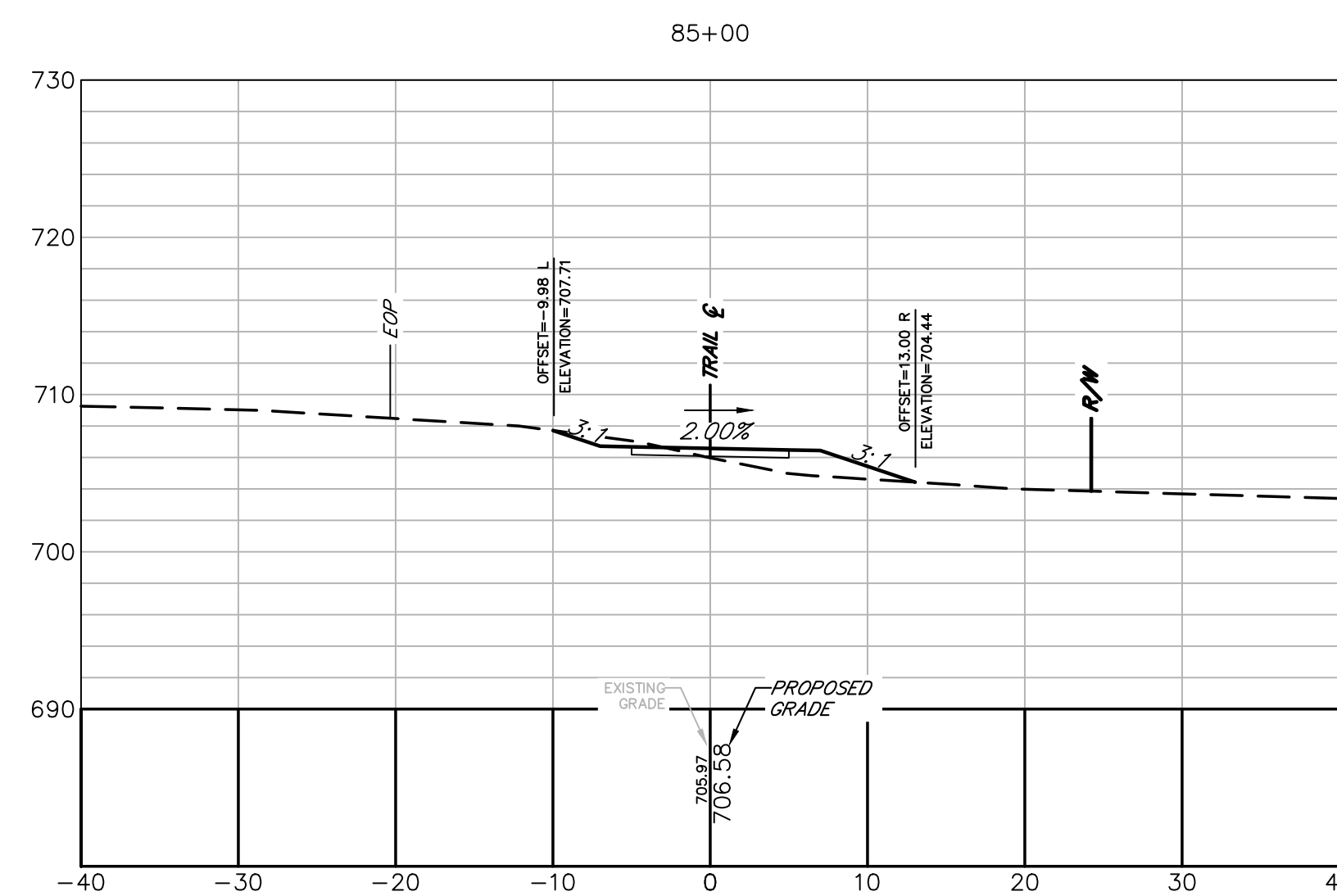
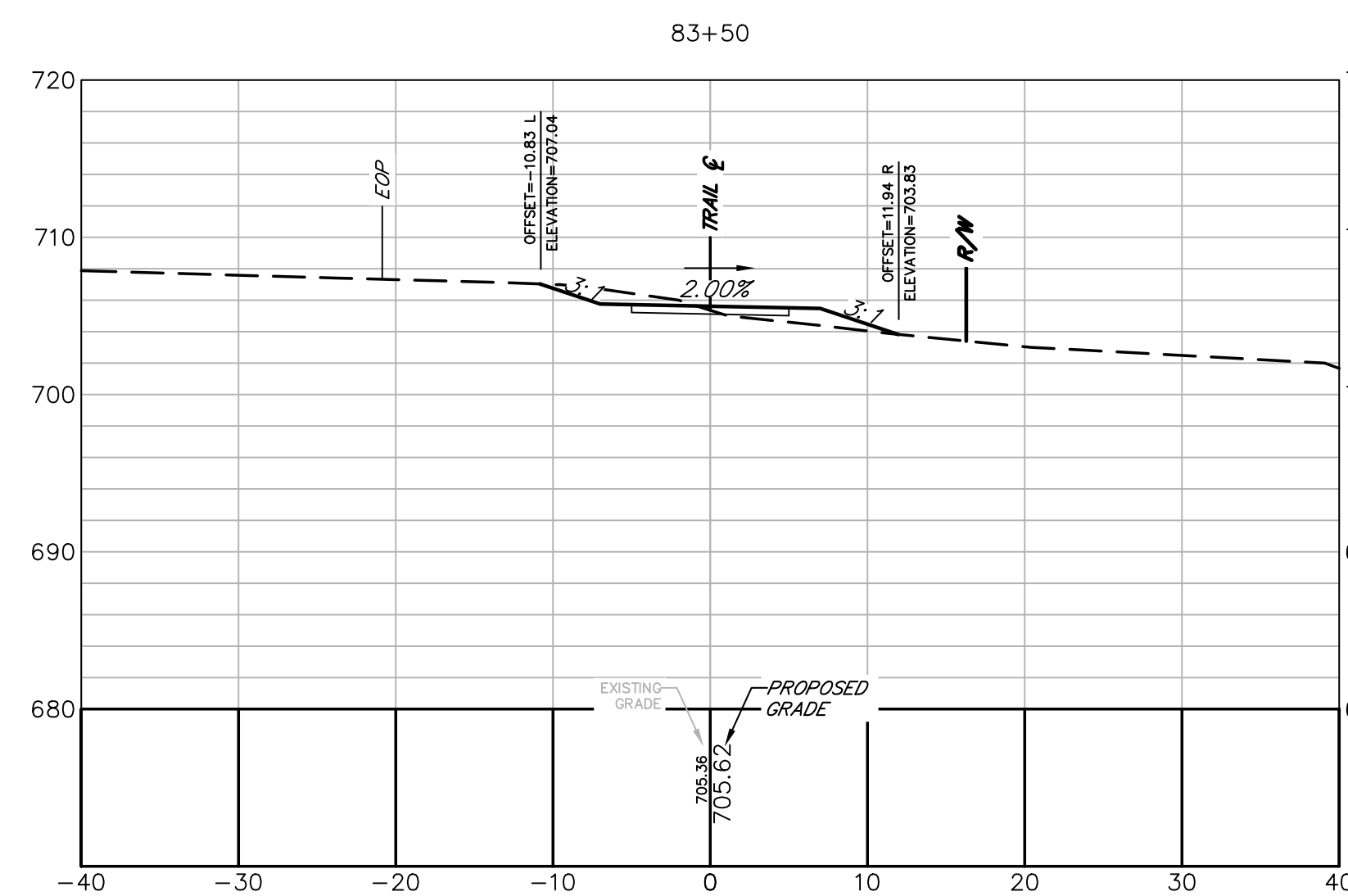
DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:

MAY 31, 2024

Sheet:

23-015



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ATHENS-CLARKE
COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

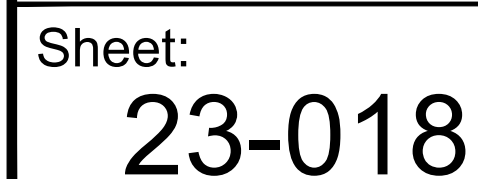
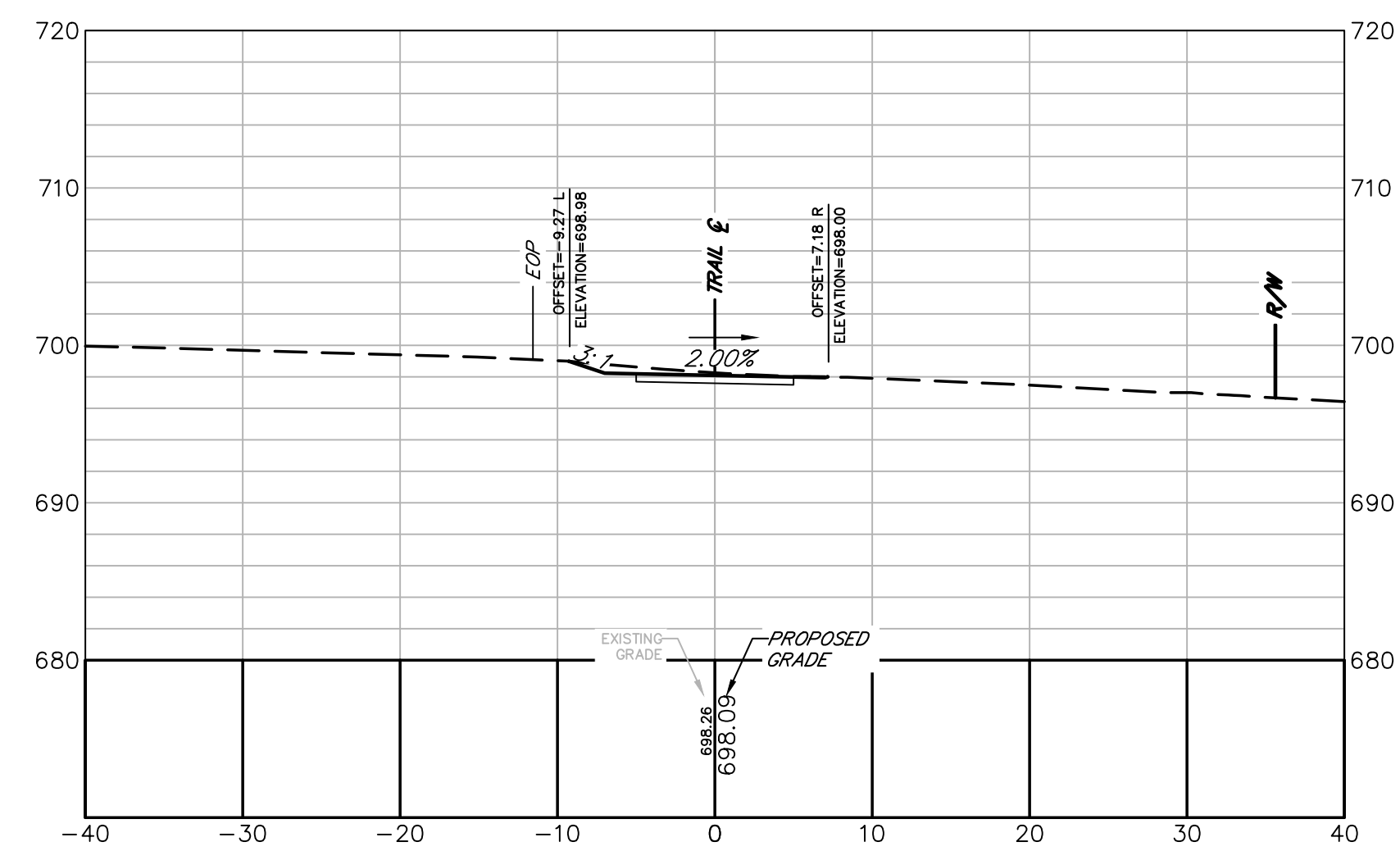
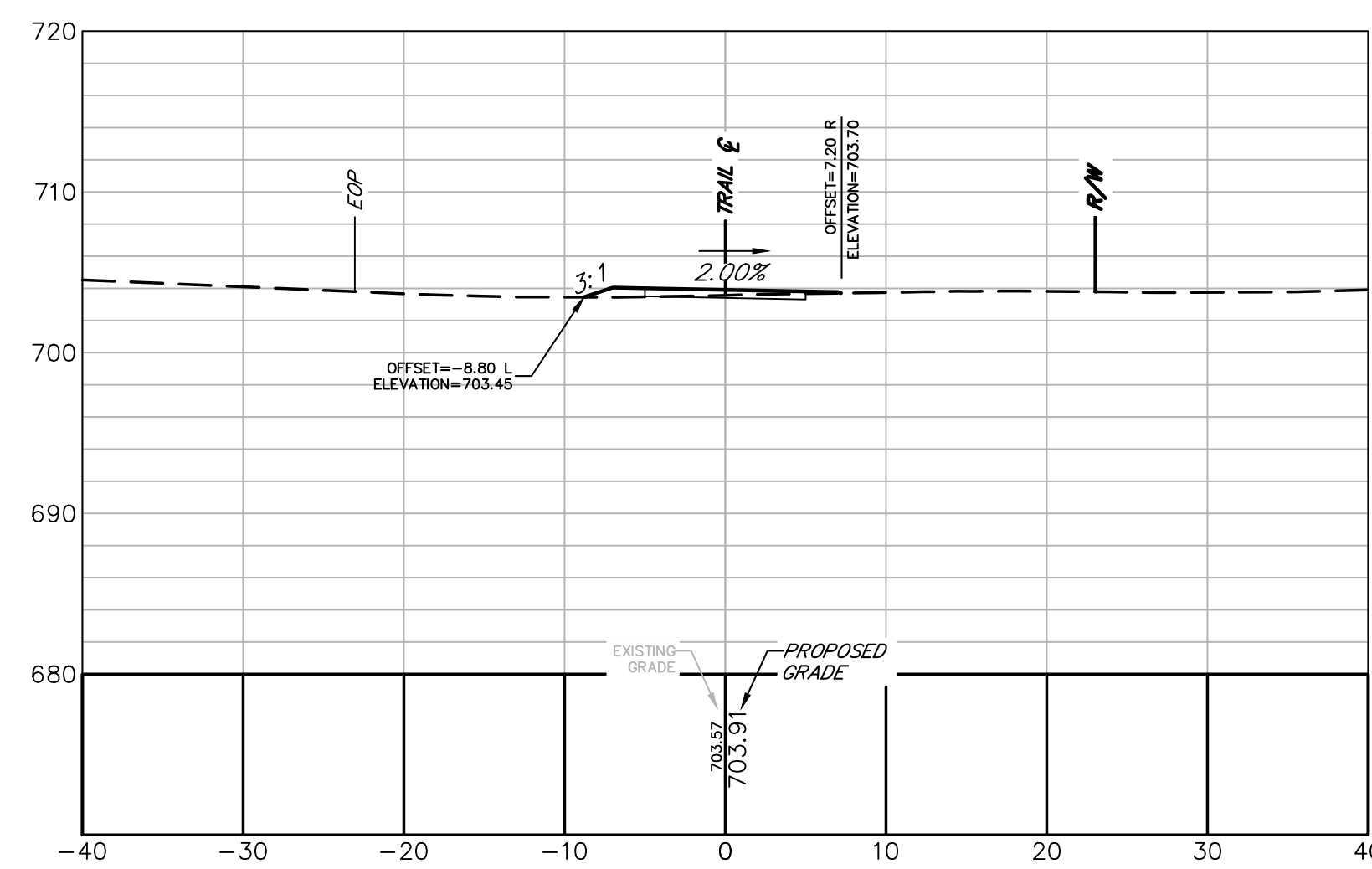
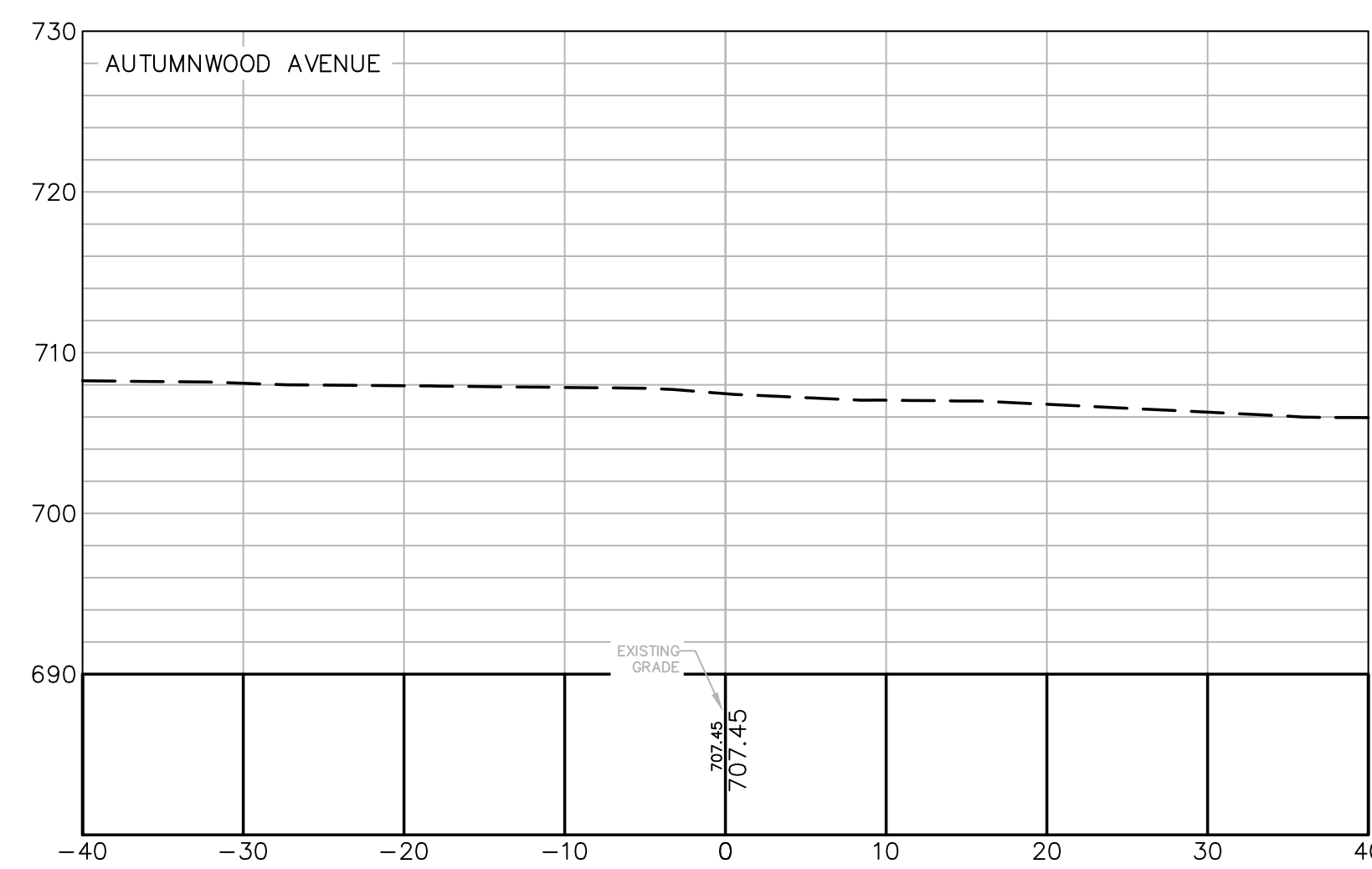
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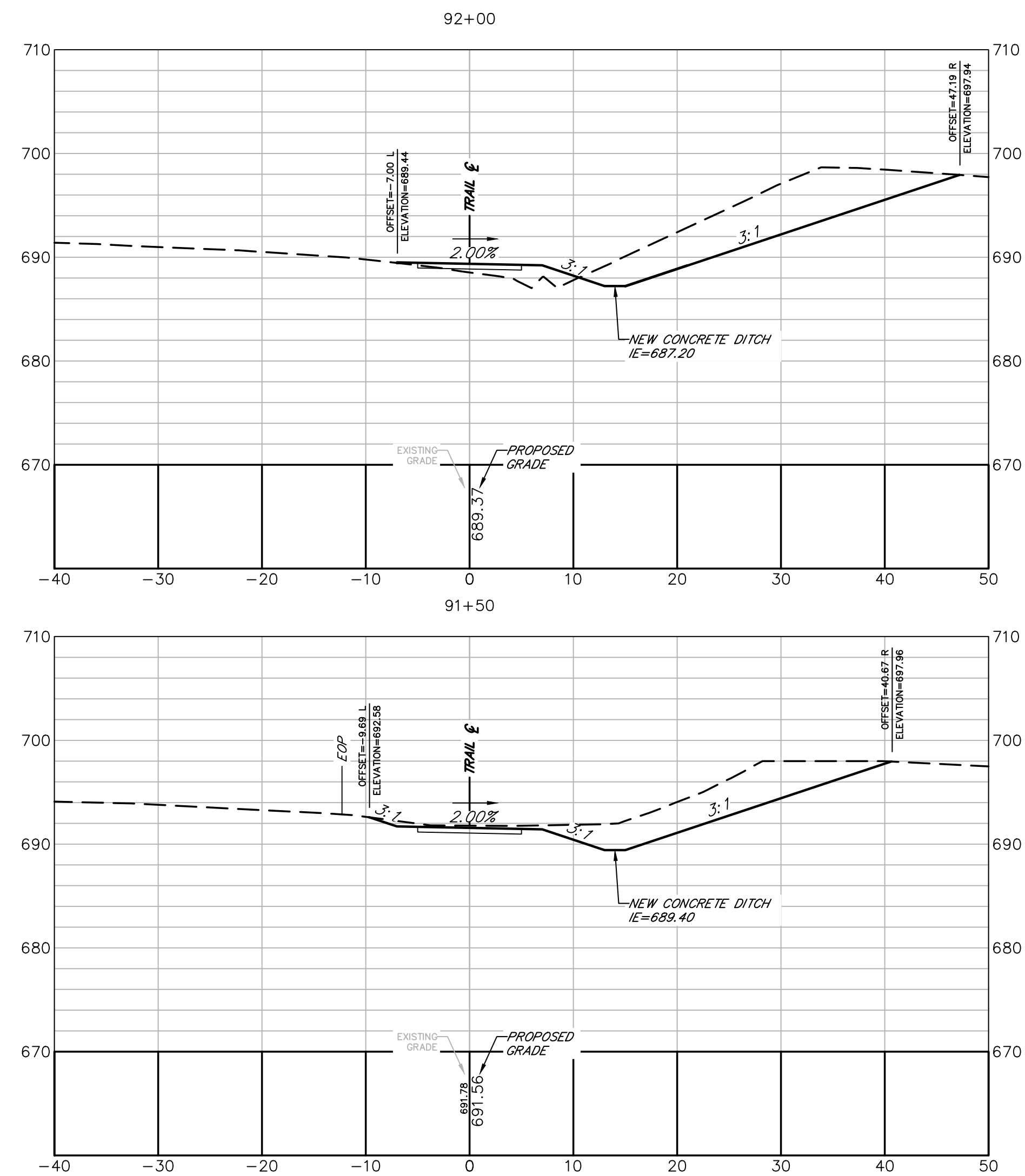
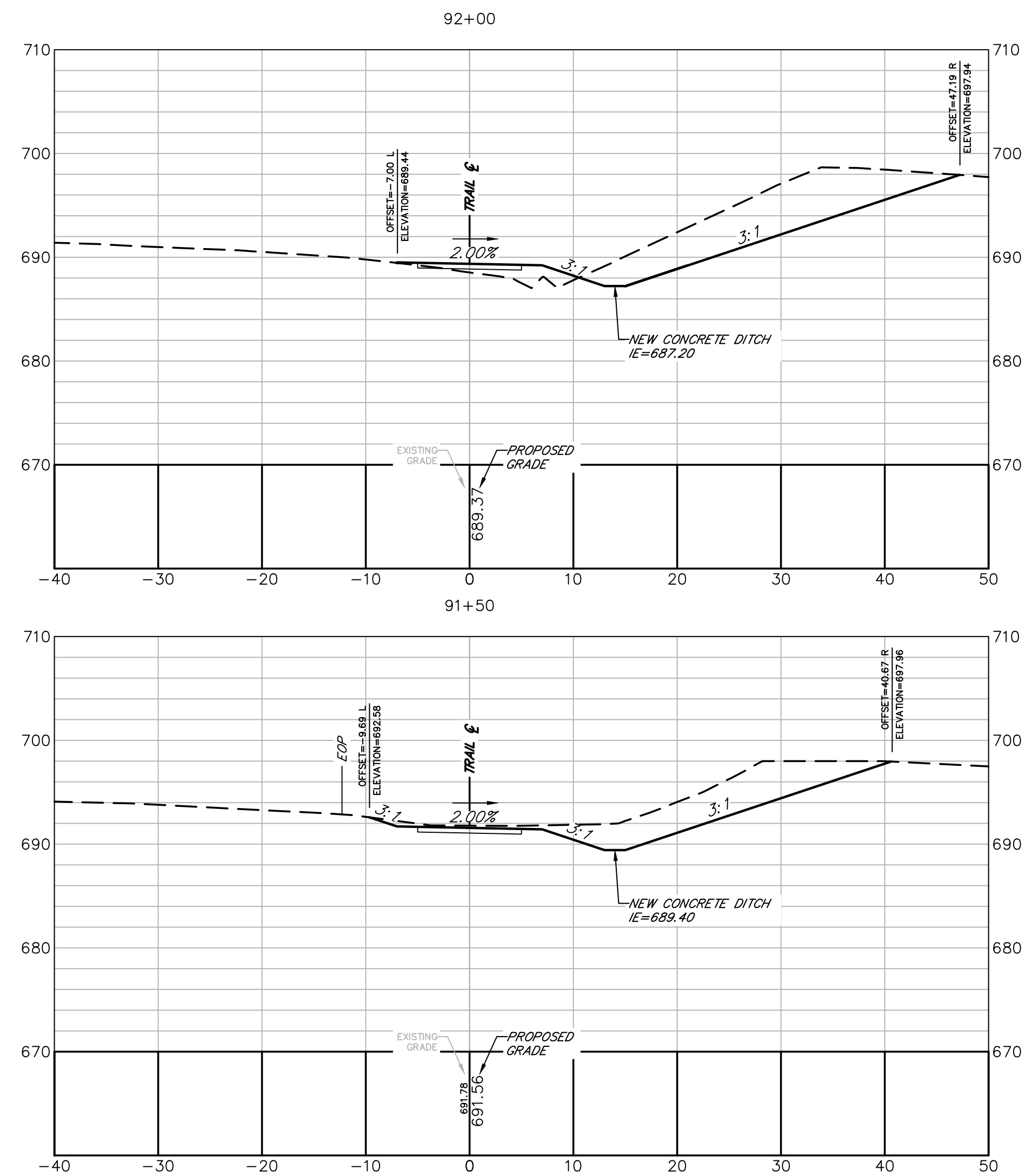
DRAWING SCALE: 1" = 10'

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

23-017



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ATHENS-CLARKE
COUNTY, GA

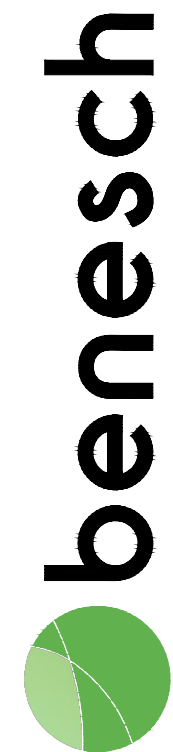
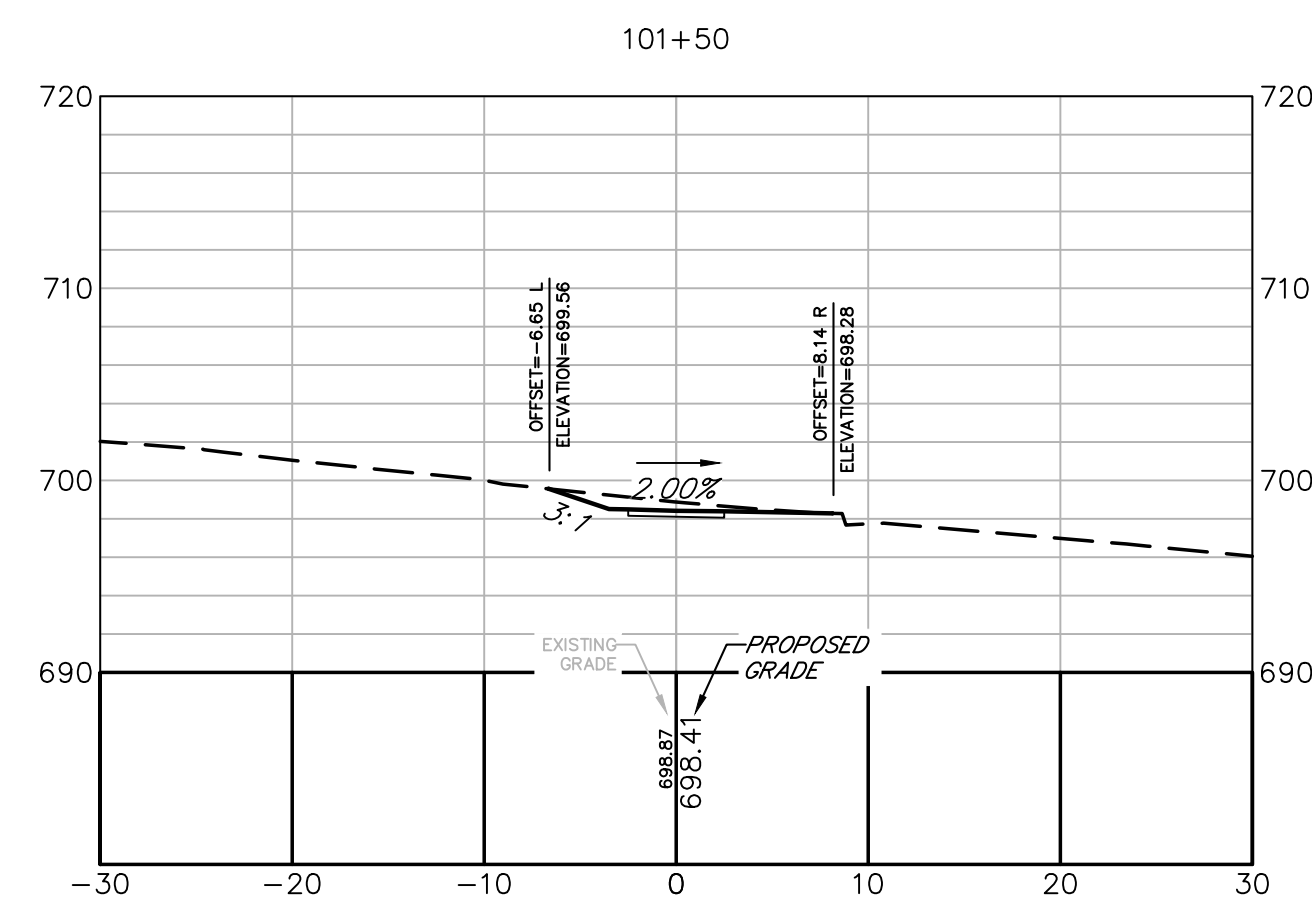
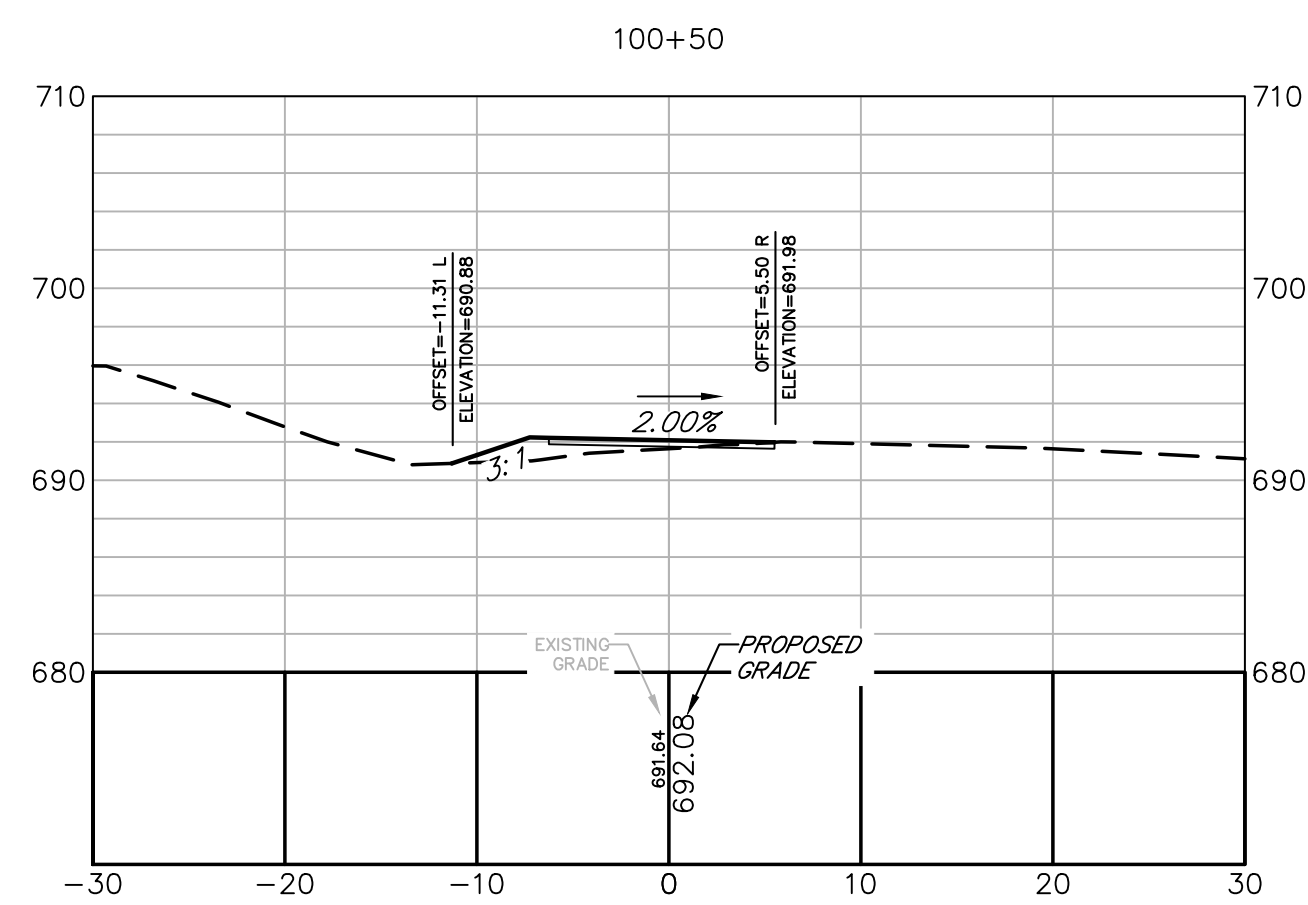
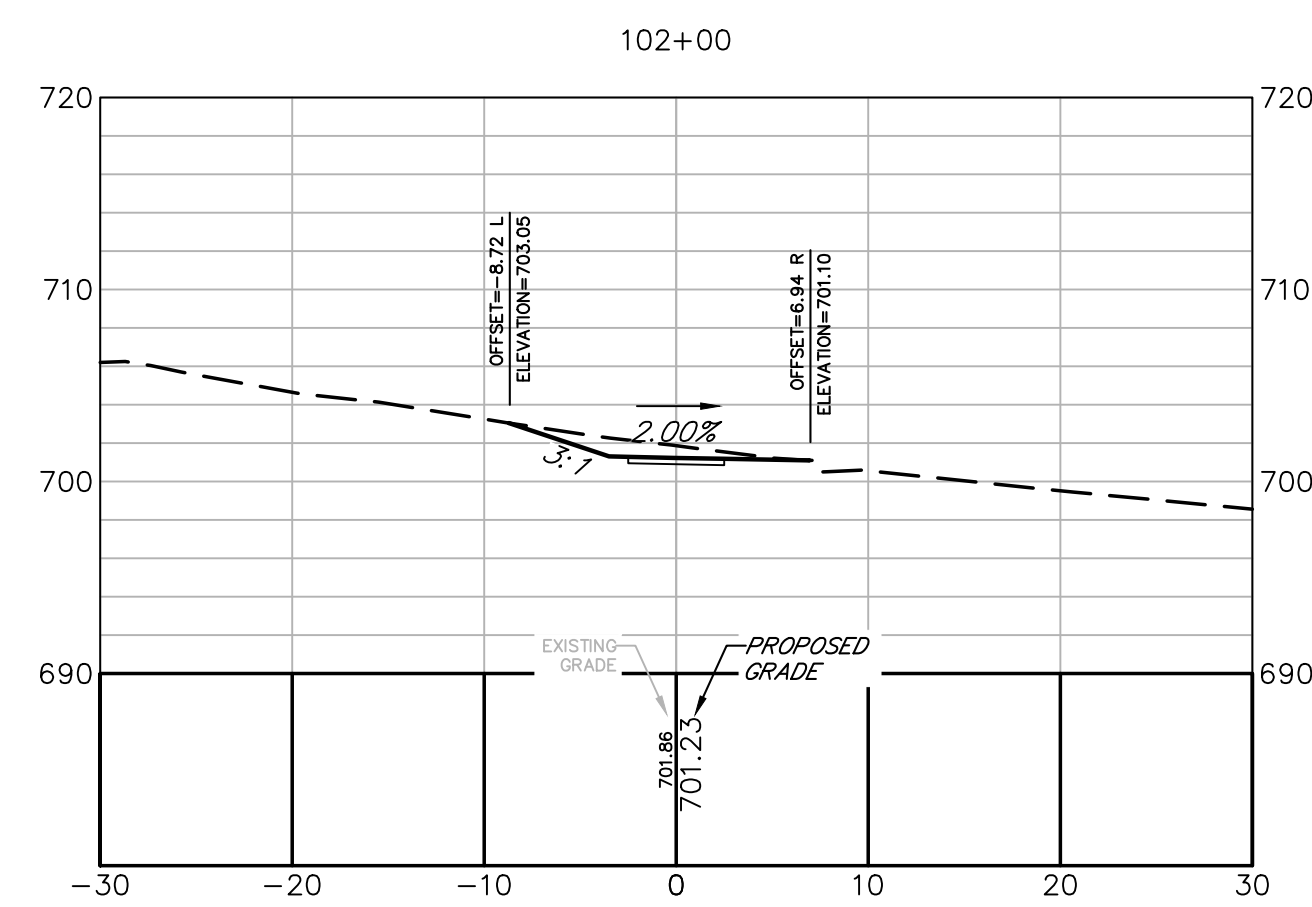
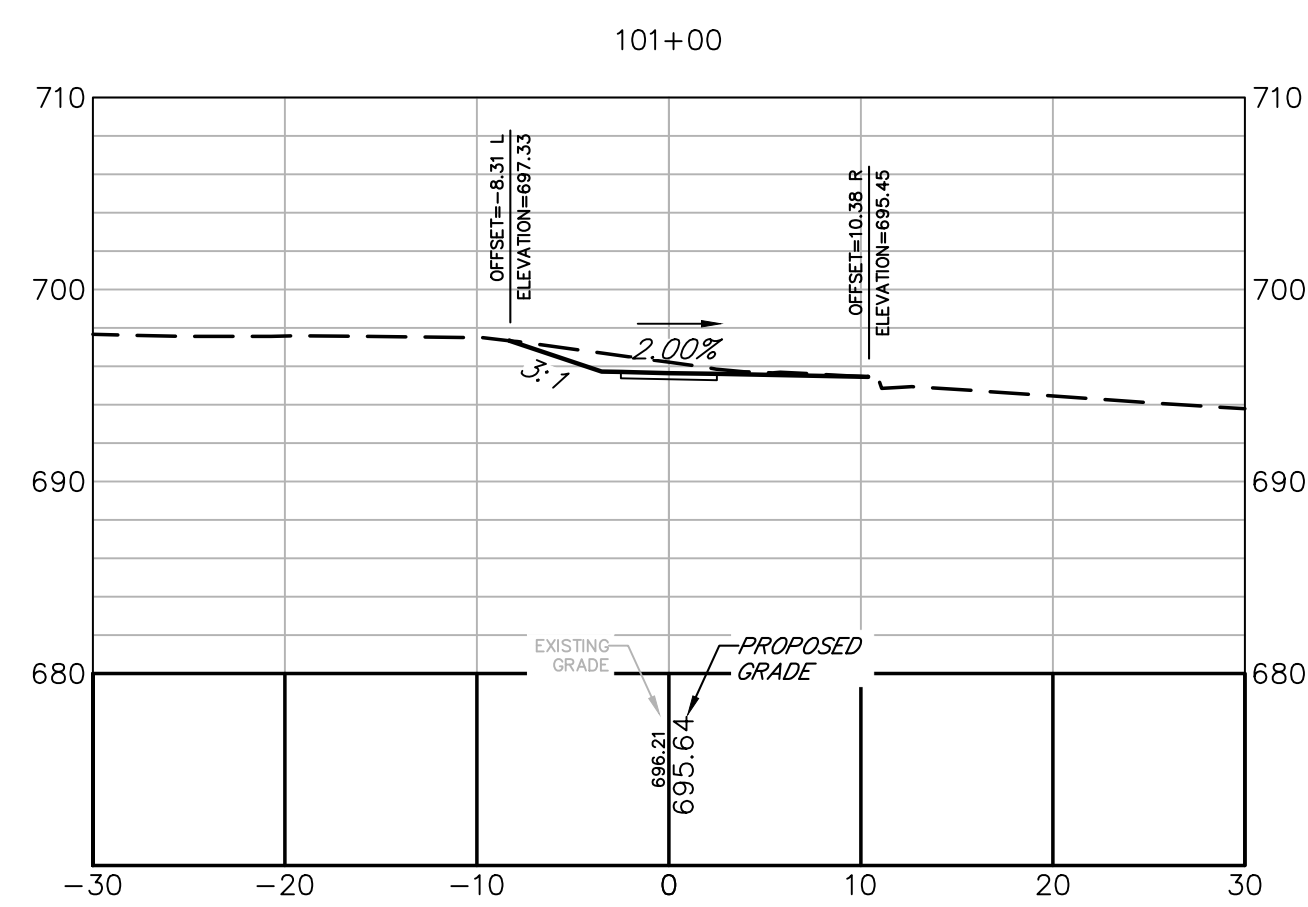
CROSS SECTIONS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



PROJECT INFORMATION	
JOB NO:	19023002
DRAWN BY:	KC
CHECKED BY:	VC
DRAWING FILE:	19023002E.DWG
DRAWING SCALE:	1" = 10'
ORIGINAL RELEASE DATE:	MAY 31, 2024

Sheet:
23-019

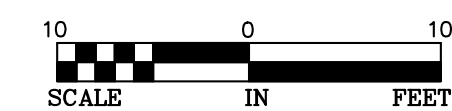


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**ATHENS-CLARKE
COUNTY, GA**

HEET TITLE:
CROSS SECTIONS

PROJECT NAME
**TIMOTHY ROAD
SHARED USE PATH
SECTION I**



PROJECT INFORMATION

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

DRAWING SCALE: 1" = 10'

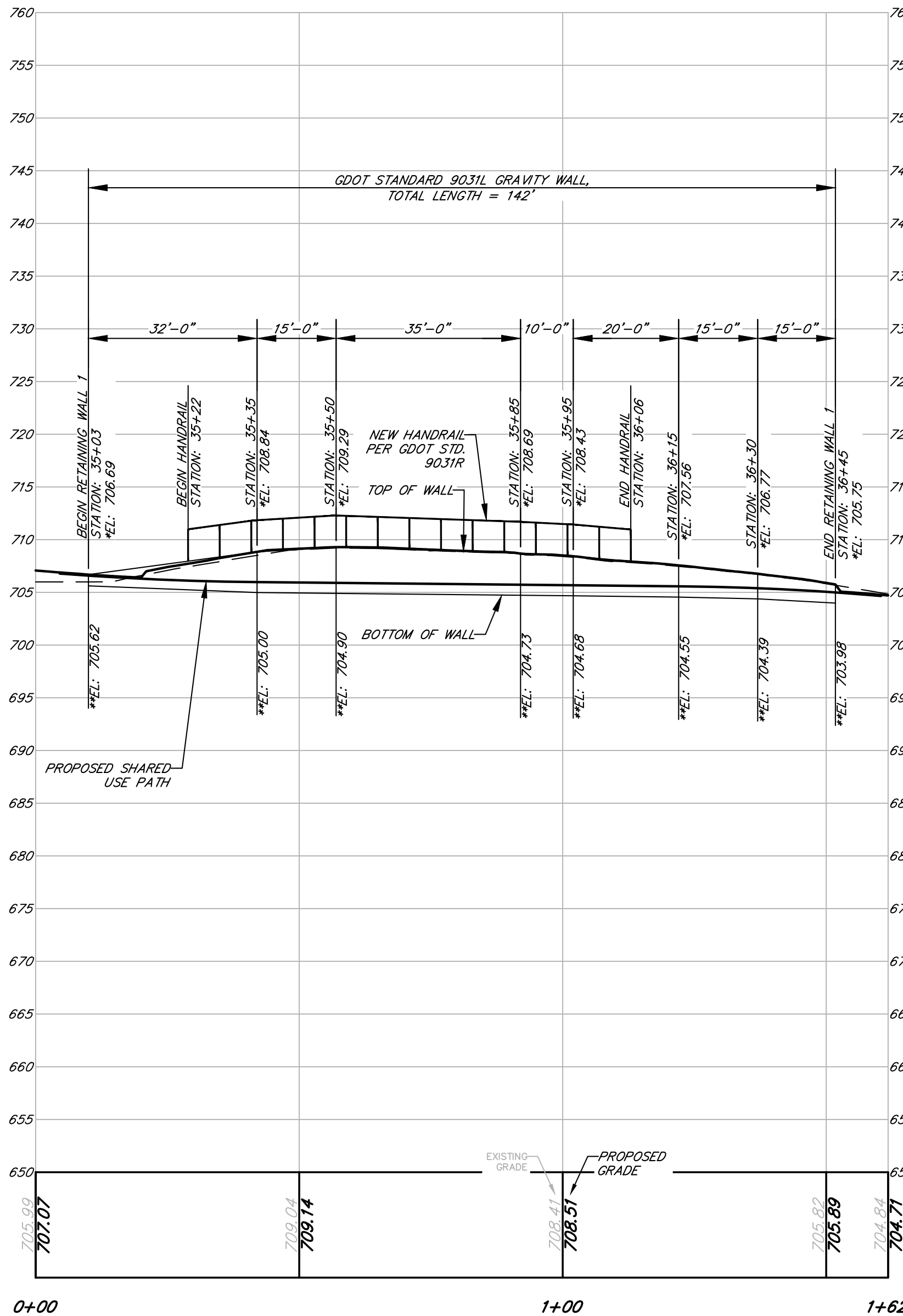
ORIGINAL RELEASE DATE:

MAY 31, 2024

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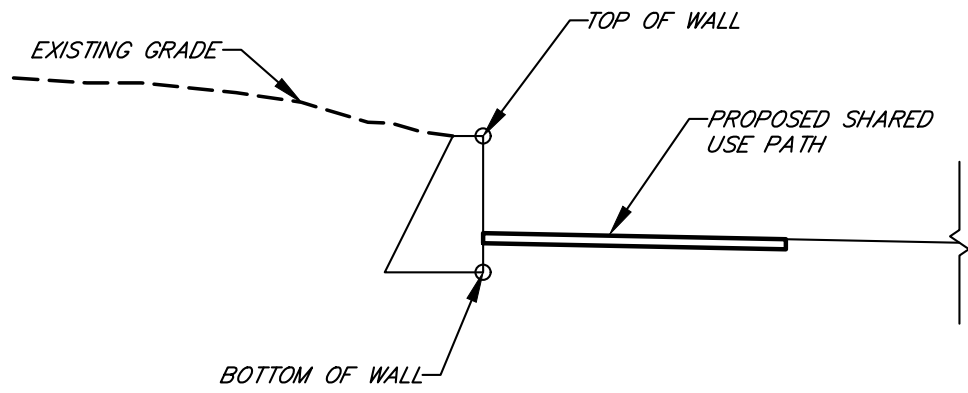
23-020

- NOTES:
1. *ELEVATION & OFFSET GIVEN AT TOP OF WALL.
 2. **ELEVATION GIVEN AT BOTTOM OF WALL.
 3. WALL LOCATIONS ARE SHOWN ON PLAN SHEET.



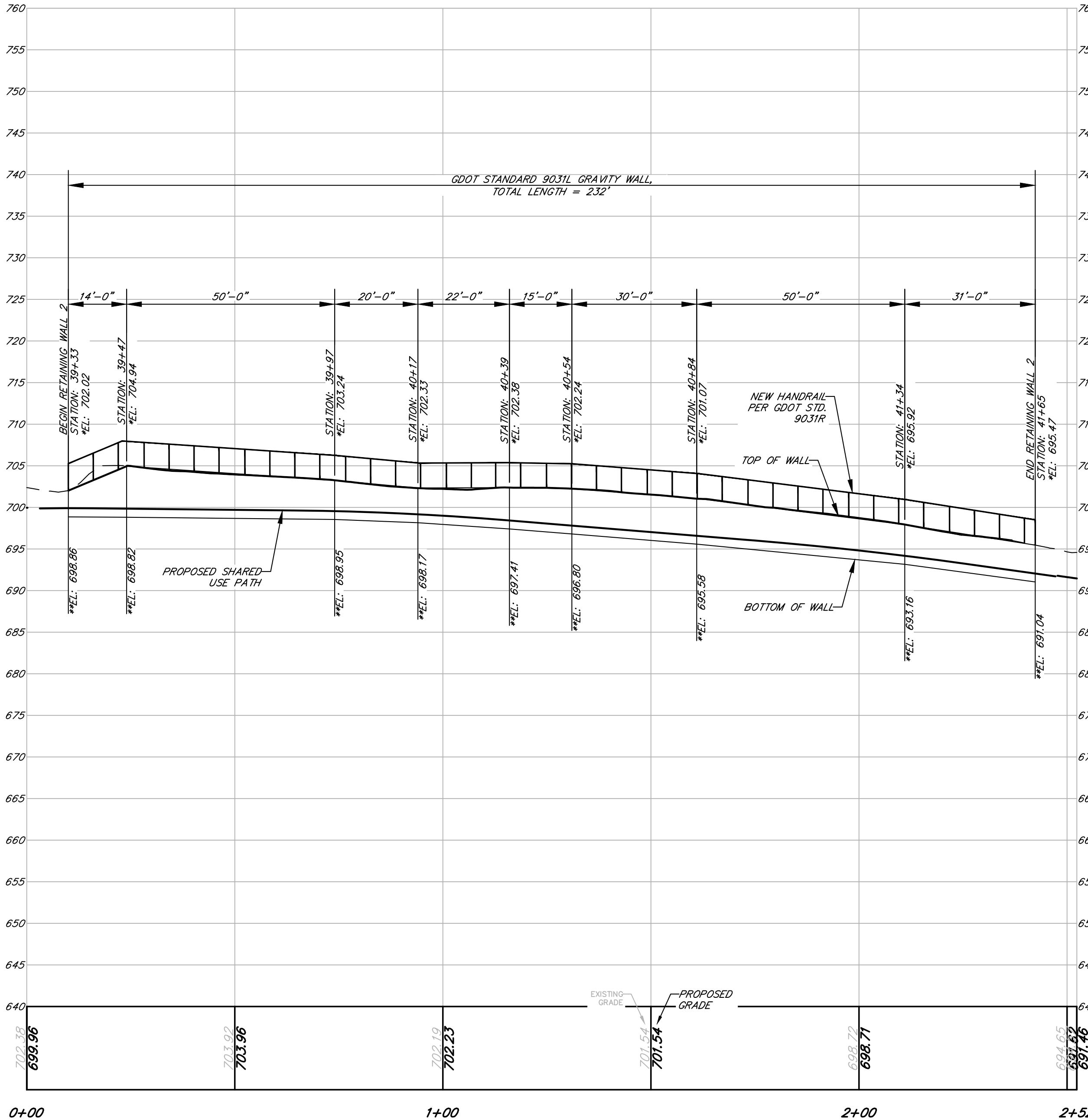
RETAINING WALL 1 PROFILE

ALONG THE FACE OF WALL
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



RETAINING WALL
GDOT STANDARD 9031L

NOT TO SCALE



RETAINING WALL 2 PROFILE

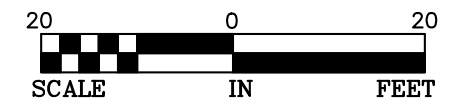
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VERTICAL: 1"=10'



ATHENS-CLARKE COUNTY, GA

HEET TITLE: RETAINING WALL ENVELOPES

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I



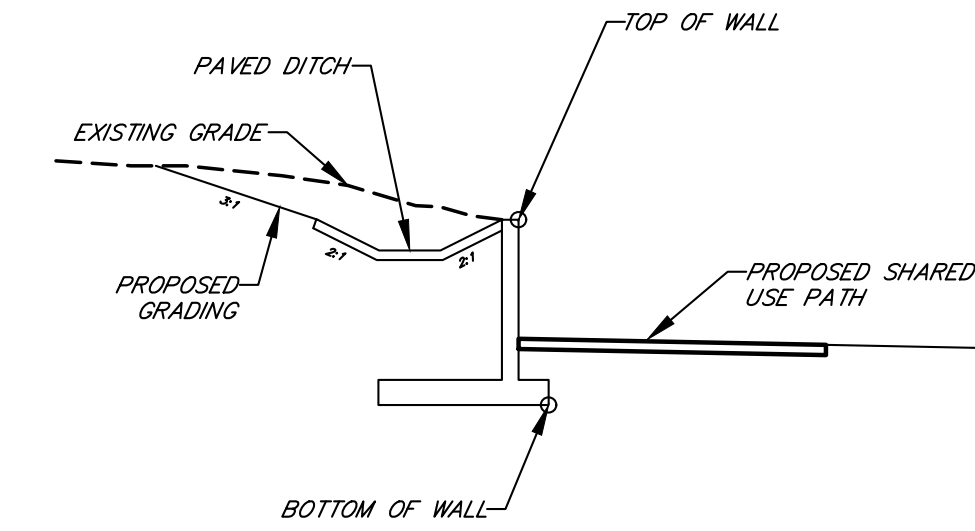
PROJECT INFORMATION

JOB NO: 19023002
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet

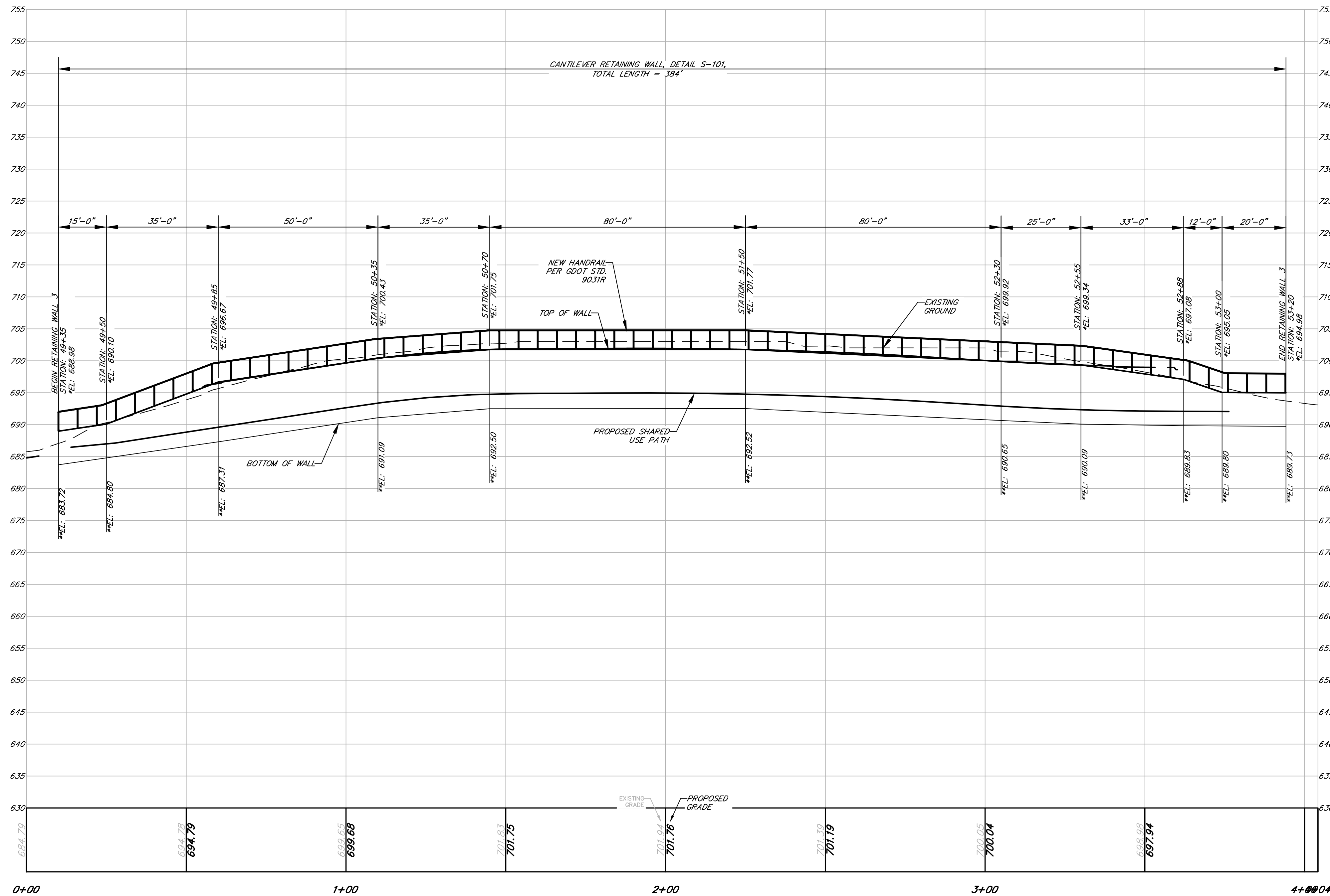
31-001

- NOTES:
1. *ELEVATION & OFFSET GIVEN AT TOP OF WALL.
 2. **ELEVATION GIVEN AT BOTTOM OF WALL.
 3. WALL LOCATIONS ARE SHOWN ON PLAN SHEET.



*CANTILEVER
RETAINING WALL
DETAIL S-101*

NOT TO SCALE



RETAINING WALL 3 PROFILE

ALONG THE FACE OF WALL
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'

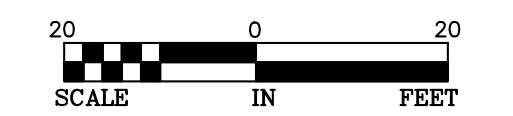


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ATHENS-CLARKE
COUNTY, GA

SHEET TITLE:
RETAINING WALL ENVELOPES

PROJECT NAME
**TIMOTHY ROAD
 SHARED USE PATH
 SECTION I**



PROJECT INFORMATION

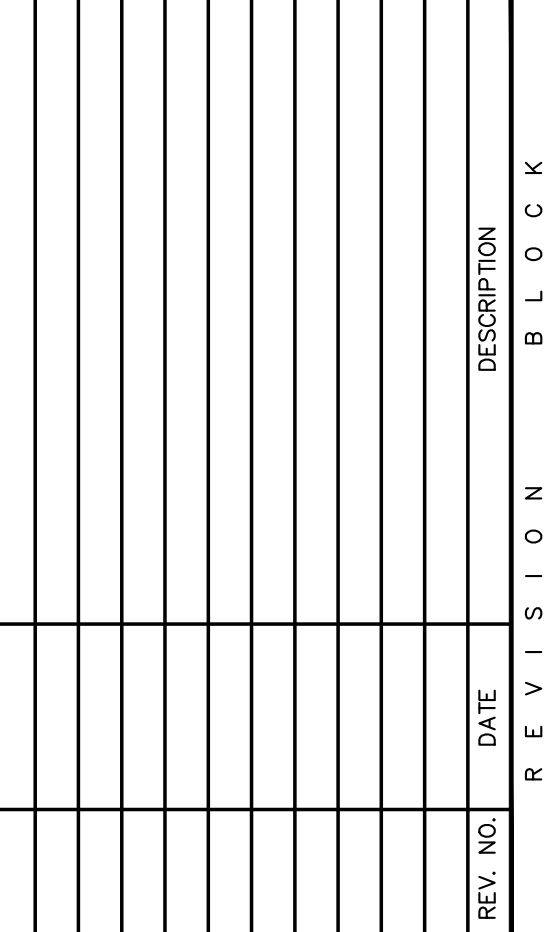
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DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: MAY 31, 2024

Sheet:
31-002



— ASSEMBLY DETAIL —

1. PUSH BUTTONS SHALL ACTIVATE FOUR (4) RAPID FLASHING BEACONS, TWO (2) FACING SOUTH AND TWO (2) FACING NORTH. ALL PEDESTRIAN ASSEMBLIES SHALL OPERATE IN UNISON WITH ONE ANOTHER.
2. RAPID FLASHING BEACON, W11-15 PLATE, W11-15P PLATE, AND W16-7p(R or L) SHOULD BE FACING VEHICULAR TRAFFIC. RRB CABINET, R10-25 PLATE (PUSH BUTTON TO TURN ON WARNING LIGHTS), AND PUSH BUTTON SHOULD BE FACING INSIDE CROSSWALK.
3. CONTRACTOR TO WORK WITH ATHENS-CLARKE COUNTY TO DETERMINE THE REQUIRED POWER SOURCE FOR THE RAPID FLASHING BEACON ASSEMBLIES. WIRELESS COMMUNICATION BETWEEN ASSEMBLIES IS PREFERRED.



SHEET TITLE:
SPECIAL CONSTRUCTION
DETAILS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I

PROJECT INFORMATION

JOB NO: 19023002
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19023002E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

40-001

REVIEW AND VERIFY ALL AS-BUILT CONDITIONS, ACTUAL EQUIPMENT DIMENSIONS USING CERTIFIED VENDOR DRAWINGS, ETC. WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY VARIATIONS THEREFROM.

INDUSTRY STANDARDS GOVERNING THIS WORK ARE OF THE LATEST ISSUE AT THE DATE OF THIS DRAWING RELEASE AS SHOWN BELOW.

ENSURE STORAGE, HANDLING, PREPARATION, INSTALLATION, ETC. OF ALL MATERIALS ARE IN ACCORDANCE WITH MANUFACTURER'S PRINTED RECOMMENDATIONS AND INSTRUCTIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL CONSTRUCTION. STRUCTURE SHALL BE DESIGNED FOR A MINIMUM STABILITY DURING CONSTRUCTION ONLY AND, THEREFORE, REQUIRE ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.

CONTRACTOR SHALL COORDINATE WITH OWNER, PRIOR TO CONSTRUCTION, ON FINAL TEXTURE AND FINISH OF RETAINING WALLS TO ENSURE A PLEASANT APPEARANCE.

FOUNDATIONS ARE DESIGNED FOR AN ASSUMED ALLOWABLE MAXIMUM NET SOIL BEARING PRESSURE OF 2,000 psf. ENSURE FOOTINGS BEAR ON SELECT FILL COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST ASTM D-698.

- NOTIFY THE ENGINEER IMMEDIATELY IF UNUSUAL SOIL CONDITIONS ARE FOUND.
- PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY ENGINEER.
- DO NOT ALLOW EXCESSIVE WATER TO REMAIN ON EXCAVATION AND DO NOT OVERWET.
- DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA.
- MAINTAIN STABILITY OF EXCAVATIONS UNTIL PROPERLY BACKFILLED. KEEP EXCAVATIONS FREE OF ANY LOOSE MATERIAL. DEWATER EXCAVATIONS AND REMOVE ANY WET MATERIAL PRIOR TO THE PLACEMENT OF CONCRETE.
- DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER OR ENGINEER.
- USE EXCAVATED MATERIAL AS BACKFILL FOR ACCESSIBLE AREAS. IF EXCAVATED MATERIAL IS NOT USED AS BACKFILL, IT SHALL BE REMOVED TO A LOCATION ACCEPTABLE TO OWNER'S TESTING AGENCY.
- ENSURE GRADE IS SUCH THAT THICKNESS OF FOUNDATION, ETC., IS NOT REDUCED BY MORE THAN 5% OF THAT SHOWN ON THE DRAWINGS.
- GRAVEL BACKFILL SHALL BE PLACED BEHIND RETAINING WALLS. THE HEIGHT OF THE BACKFILL WILL BE 1'-0" BELOW 7/8" MAX. GRAVEL BACKFILL SHALL BE NO. 57 STONE, CLEAR OF ANY DIRT, DEBRIS, AND UNNECESSARY FINE MATERIAL. PROTECT BACKFILL WITH RIP-RAP AS REQUIRED TO PREVENT EROSION AND

CONCRETE DESIGN IS BASED ON THE FOLLOWING STANDARDS:

A. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318R AND ITS SUPPLEMENTS.

B. TO CONFORM TO THE DESIGN AND PLACEMENT OF CONCRETE, REINFORCING, AND RELATED ITEMS.

C. MEASURE AND MIX CONCRETE IN ACCORDANCE WITH ACI 311I. USE MINIMUM CEMENTITIOUS MATERIAL CONTENT OF 470 POUNDS PER CUBIC YARD AIR ENTRAIN CONCRETE EXPOSED TO THE WEATHER. FOUR INCHES (4") DNE INCH IN ALL DIRECTIONS. PROVIDE PROTECTIVE WATER-REDUCER AND W/TH A HIGH-RANGE WATER-REDUCER PRIOR TO ADDITION OF HIGH-RANGE WATER-REDUCER AND WITH A HIGH-RANGE WATER-REDUCER ENSURE MAXIMUM SLUMP OF EIGHT INCHES.

D. FOR CONCRETE THAT, AFTER CURING, WILL BE EXPOSED TO FREEZING TEMPERATURES WHILE EXPOSED TO WATER.

E. PROVIDE PROTECTIVE WATER-REDUCER AND W/TH A HIGH-RANGE WATER-REDUCER PRIOR TO ADDITION OF HIGH-RANGE WATER-REDUCER AND WITH A HIGH-RANGE WATER-REDUCER ENSURE MAXIMUM SLUMP OF EIGHT INCHES.

F. MIX AND TRANSPORT READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C 94, EXCEPT REDUCE MAXIMUM DISCHARGE TIME .75 TO 60 MINUTES FOR AIR TEMPERATURES OF 85-90 AND 30°F, RESPECTIVELY. THIS MAY BE WAIVED IF EQUIPMENT APPLICABLE AS RETARDING ADMIXTURE.

G. PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

ALL CONCRETE _____ 3000 psi

SUBMIT FOR APPROVAL MIX DESIGNS AND TEST RESULTS FOR COMPRESSIVE STRENGTH, SLUMP, AND AIR ENTRAINMENT. INCLUDE STANDARD DEVIATIONS AND AVERAGE COMPRESSIVE STRENGTH FOR FIELD DATA. INCLUDE BRAND NAMES AND PERCENT RETAINED ON EACH SIEVE. SUBMIT 21 DAYS MINIMUM PRIOR TO USE.

THE OWNER'S TESTING AGENCY WILL SAMPLE POTS OF CONCRETE FOR COMPRESSIVE STRENGTH, AIR ENTRAINMENT, CEMENT, AND TEMPERATURE AT 28 DAYS AND 28 CUBIC YARDS FOR EACH TYPE OF CONCRETE PLACED PER DAY, BUT NOT LESS THAN ONCE FOR EACH DAY OF CONCRETE PLACEMENT, WHEN ABOVE SCHEDULE PROVIDES FOR PLACEMENT OF CONCRETE. THE TESTING AGENCY SHALL SUBMIT TEST RESULTS TO THE OWNER. AT EACH TEST, TEST EACH BATCH. EACH COMPRESSIVE TEST SHALL CONSIST OF FOUR TEST CYLINDERS TO BE TESTED AS FOLLOWS: ONE AT SEVEN DAYS, TWO AT 28 DAYS, ONE RESERVE.

CONFORM TO THE FOLLOWING:

CEMENT	ASTM C 150, TYPE I, I-II, OR II
AGGREGATES	ASTM C 33, SUBJECT TO SEVERE WEATHERING AND ABRASION, SURFACE APPEARANCE IS IMPORTANT.
WATER	CLEAN AND POTABLE.
AIR ENTRAINMENT:	ASTM C 260.
WATER-REDUCER	ASTM C 494, TYPE A, OR D IF APPROVED. NON-CHLORIDE. IF TYPED, THEN:
HIGH-RANGE WATER-REDUCER	ASTM C 494, TYPE F OR G.
RETARDER	ASTM C 494, TYPE B OR C.
ACCELERATOR	ASTM C 494, TYPE C OR E. NON-CHLORIDE AND NON-THIOCYANATE TYPE.
FLY ASH	ASTM C 618, CLASS C OR F, EXCEPT LESS ON IDENTIFICATION, WITH CUT THREADS. FURNISH
ANCHOR BOLTS	ASTM A 36 FOR MATERIALS. ALL OTHERS WITH 100% TENSILE STRENGTH, WITH CUT THREADS. FURNISH WITH HEAVY HEX NUTS AND WASHER.

- UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING, DO NOT USE CALCIUM CHLORIDE.
ENSURE REINFORCING BARS CONFORM TO ASTM A 615 GRADE 60, DEFORMED.
PROVIDE CLASS B TENSION LAP SPLICES PER ACI 318, FOR CONCRETE STRENGTH AND BAR LOCATIONS NOTED, UNLESS NOTED OTHERWISE OR APPROVED BY ENGINEER. ALL SPLICES DETAILED BY THE FABRICATOR ARE THE RESPONSIBILITY OF THE FABRICATOR. REVIEW BY ENGINEER OF SHOP DRAWINGS IS ONLY FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.
ENSURE ALL WELDING OF REINFORCEMENT CONFORMS TO AWS D14 "STRUCTURAL WELDING CODE - REINFORCING STEEL".
PROVIDE CONCRETE PROTECTION FOR REINFORCEMENT AS FOLLOWS:

CONCRETE COVER
UNLESS NOTED
OTHERWISE

A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3'

B. EXPOSED TO EARTH OR WEATHER, WHERE FORMS ARE USED:

1. NO. 6 BAR AND LARGER.....2'

2. NO. 5 BAR AND SMALLER.....1 1/2'

C. NOT EXPOSED TO WEATHER NOR IN CONTACT WITH GROUND:

1. SLABS, WALLS AND JOISTS.....1'

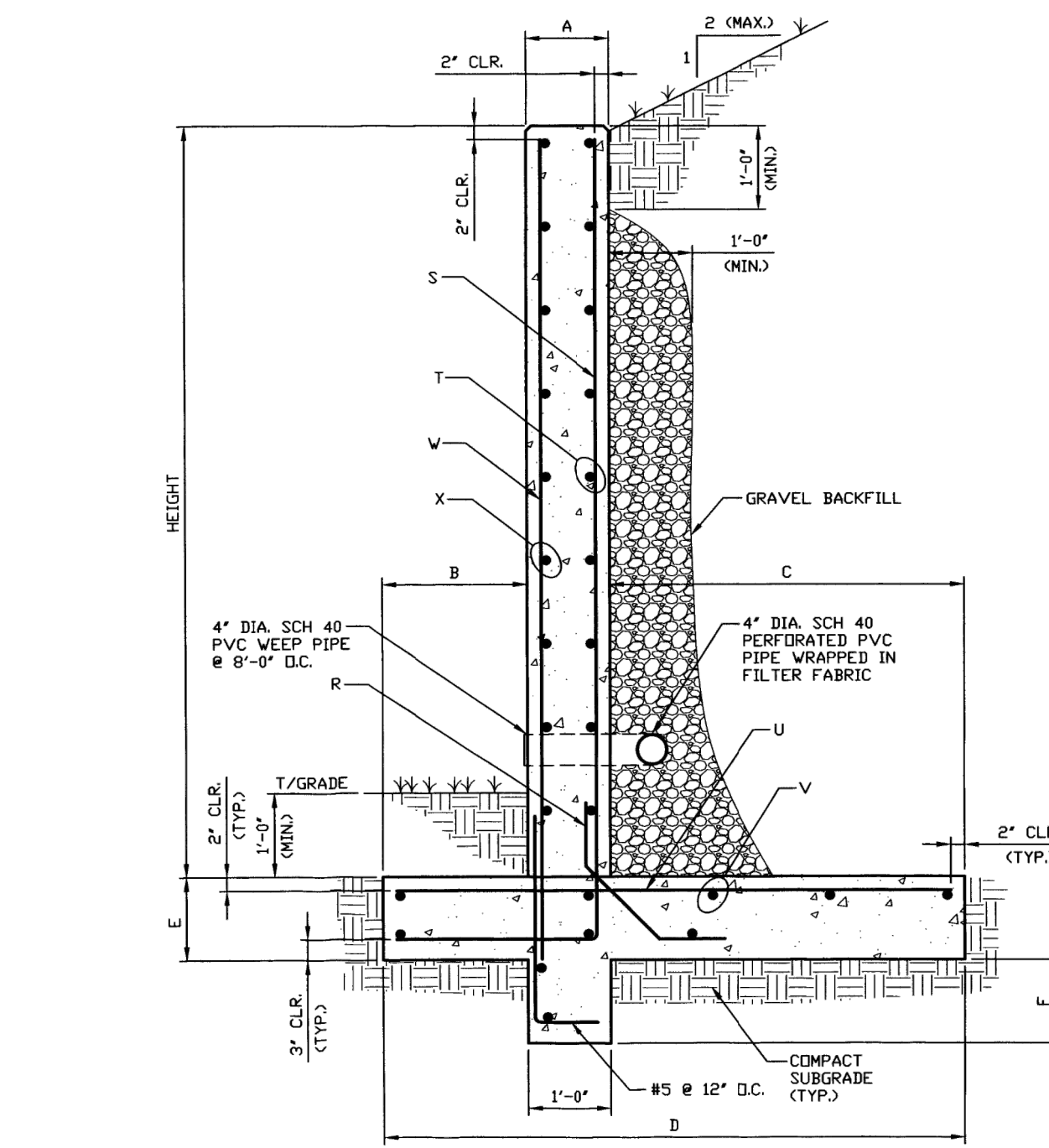
2. BEAMS, GIRDERS, COLUMNS.....1 1/2'

- CHAMFER ALL EXPOSED CORNERS OF CONCRETE WITH 3/4" INCH BY 45 DEGREE CHAMFER, UNLESS NOTED OTHERWISE.
- CONFORM TO ACI 306R FOR COLD WEATHER CONCRETING AND ACI 305R WHEN ANY COMBINATION OF HIGH TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY TEND TO IMPAIR THE QUALITY OF THE CONCRETE. REJECT CONCRETE IF ITS TEMPERATURE AT TIME OF PLACEMENT IS 90 DEG. F OR ABOVE. PROTECT SURFACES OF EXPOSED CONCRETE FROM PRECIPITATION DAMAGE UNTIL ADEQUATE STRENGTH IS GAINED TO PREVENT DAMAGE.

7. CONFORM TO ACI 302.1R, 304R, 308, 309R AND 347R FOR CONCRETE, FORM WORK, CURING, AND RELATED ITEMS.
CONFORM TO CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS FOR PLACING REINFORCING.

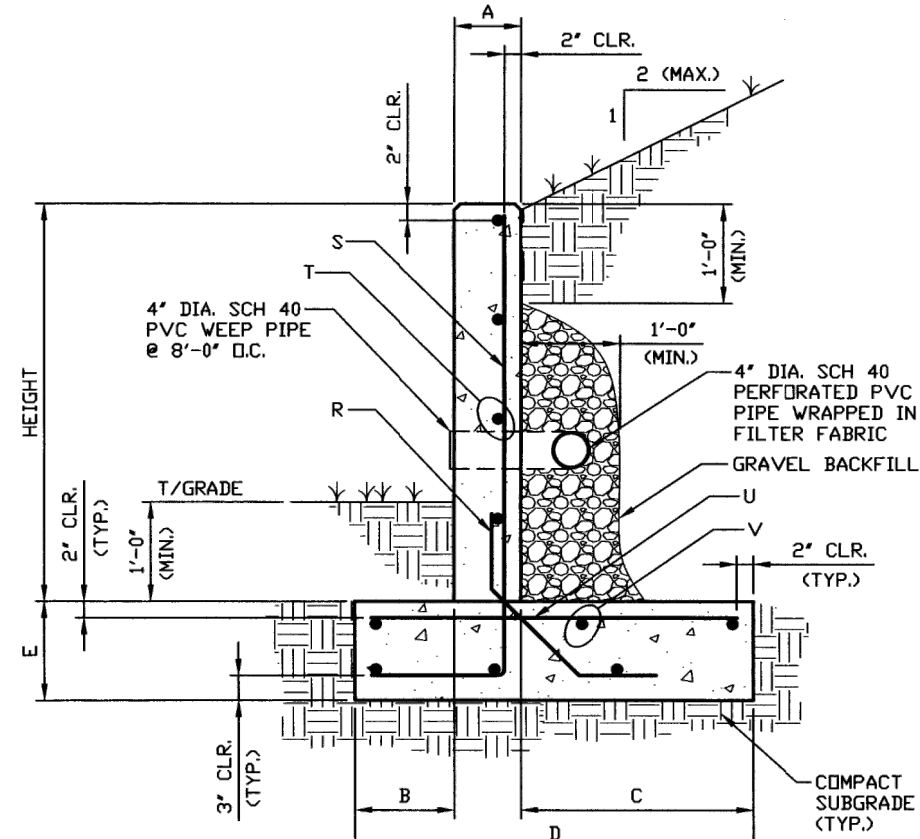
B. PROVIDE THE FOLLOWING STANDARD FINISHES FOR CONCRETE WORK:

- A. SURFACES NOT EXPOSED TO VIEW AFTER CONSTRUCTION:
 1. POINT ALL CAVITIES AND HONEYCOMBS.
- B. VERTICAL SURFACES EXPOSED TO VIEW AFTER CONSTRUCTION:
 1. POINT WITH MORTAR AND RUB SMOOTH, OR USE APPROVED PROPRIETARY PATCHING COMPOUND.
- C. DO NOT ADD WATER OR PLAIN CEMENT TO ANY SLAB SURFACE DURING FINISHING OPERATIONS.
 1. PLACE ALL EMBEDDED ITEMS SHOWN IN THE DRAWINGS OR REQUIRED BY ALL TRADES:
 - a. FOR TOLERANCES CONFORM TO ACI 117 AND ACI 347R.
 - b. REFER TO CIVIL DRAWINGS, VENDOR DRAWINGS, ETC. FOR EMBEDDED ITEMS NOT SHOWN. COORDINATE AND
 - c. ELASTOMERIC JOINT SEALANT SHALL MEET FEDERAL SPECIFICATION TT-009260, TYPE I, CLASS A, ONE PART, COLOR MATCHED TO SURROUNDING POLYURETHANE FOAM, POLYURETHANE JOINT SEALANT.
 - d. JOINT BACKUP MATERIAL SHALL CONSIST OF POLYETHYLENE FOAM, CLOSED CELL, USE WITH ELASTOMERIC JOINT SEALANT ONLY.
- D. EPoxy JOINT SEALANT SHALL BE SEMI-RIGID, 100% SOLIDS, INSTANTANEOUSLY SHOW A HARDNESS OF 80 CHD @ 30 AMBIOUS TEMPERATURE, COMPRESSIVE STRENGTH OF 250-600 PSI AND MINIMUM ELONGATION OF 6% AT SEVEN DAYS. MATCH COLOR OF CONCRETE FLOOR SURFACE.
- E. UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING, DO NOT USE CALCIUM CHLORIDE.
- F. PROVIDE ALL WELDING OF REINFORCEMENT CONFORMS TO AWS B4
"STRUCTURAL WELDING CODE - REINFORCING STEEL".
- G. PROVIDE CONSTRUCTION, ISOLATION, AND CONTROL JOINTS:
 1. AS SHOWN ON THE DRAWINGS, OR IF NO JOINTS ARE SHOWN, PROVIDE JOINTS AS NOTED BELOW, ENSURE MAXIMUM SPACING BETWEEN JOINTS IS THE LESSER OF THE FOLLOWING:
 - a. CONSTRUCTION JOINTS IN WALLS NOT EXPOSED TO HYDROSTATIC PRESSURE:
80 FEET.
 - b. CONSTRUCTION JOINTS IN WALLS EXPOSED TO HYDROSTATIC PRESSURE:
THREE TIMES THE WALL HEIGHT.
 - c. JOINTS IN WALLS LESS THAN SEVEN FEET HIGH: 21 FEET, WITH AN ASPECT RATIO LESS THAN 3:1.
 - d. JOINTS IN WALLS SEVEN FEET HIGH AND TALLER: AN ASPECT RATIO LESS THAN 3:1.



SCALE: 3/4"=1'-0"

WALL DIMENSIONS							REINFORCEMENT						
HEIGHT	A	B	C	D	E	F	R	S	T	U	V	W	X
0'-0"	0'-0"	1'-0"	2'-4"	4'-0"	1'-0"	0"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	6-#4	N/A	N/A
6'-0"	0'-0"	1'-0"	2'-4"	5'-0"	1'-0"	0"	#4 @ 12"	#4 @ 12"	#4 @ 12"	#4 @ 12"	8-#4	N/A	N/A
12'-0"	0'-10"	1'-6"	6'-2"	8'-6"	1'-3"	0"	#5 @ 12"	#5 @ 12"	#5 @ 12"	#5 @ 12"	9-#5	N/A	N/A
18'-0"	1'-0"	3'-0"	7'-0"	11'-0"	1'-3"	1'-0"	#6 @ 12"	#6 @ 12"	#5 @ 12"	#5 @ 12"	12-#5	N/A	N/A
24'-0"	1'-0"	4'-0"	7'-0"	12'-0"	1'-6"	1'-0"	#7 @ 12"	#7 @ 12"	#5 @ 12"	#6 @ 12"	11-#6	N/A	N/A
30'-0"	1'-3"	5'-0"	6'-5"	13'-3"	1'-8"	1'-8"	#8 @ 12"	#8 @ 12"	#4 @ 12"	#6 @ 12"	13-#6	#4 @ 12"	#4 @ 12"



SCALE: 3/4"=1'-0"



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NO.	DATE	REVISION	BY	CK	APVD
0	7/26/18	ISSUED FOR CONSTRUCTION	LT	PDH	PDH

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W.R. TOOLE ENGINEERS, INC.
CONCRETE CANTILEVERED RETAINING WALLS
ATHENS, GEORGIA

GENERAL NOTES, SECTIONS AND DETAILS

GENE

	SCALE: AS NOTED	HLA JOB NO. 18192S

SHEET NO.

S-101

[illegible]

**ATHENS-CLARKE
COUNTY, GA**

HEET TITLE: SPECIAL CONSTRUCTION DETAILS

PROJECT NAME
TIMOTHY ROAD
SHARED USE PATH
SECTION I

JOB NO: 19023002

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19023002E.DWG

DRAWING SCALE: N.T.S.

ORIGINAL RELEASE DATE:
MAY 31, 2024

Sheet:

40-002

