

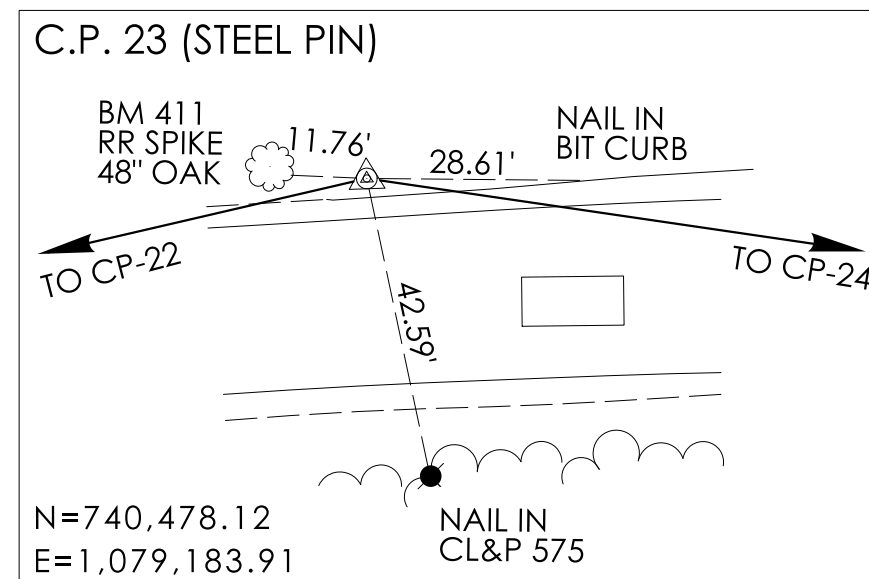
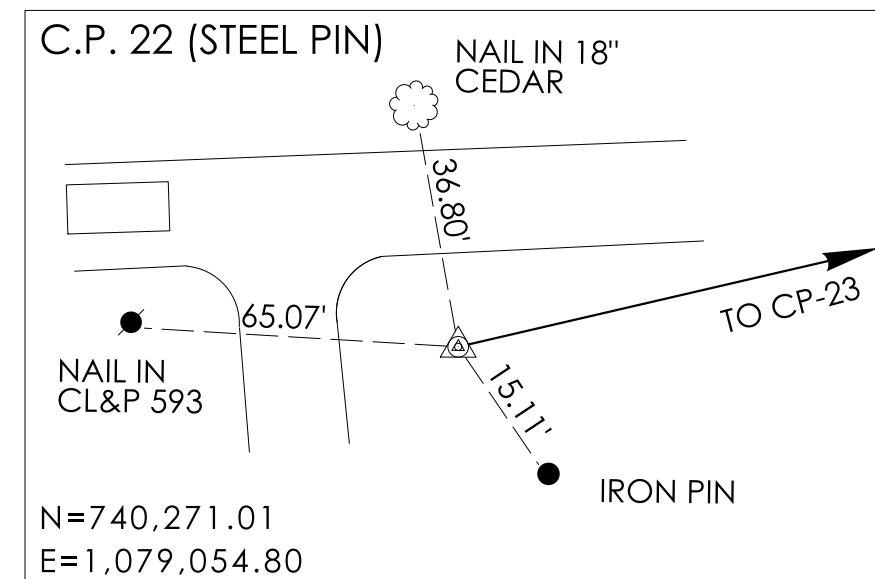
SUBSET 3 - HIGHWAY INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
INX-01	INDEX OF DRAWINGS	10+10.00	CROSS SECTIONS-01
ALN-01	SITE PLAN	10+50.00	CROSS SECTIONS-02
ROW-01	RIGHT-OF-WAY PLAN	11+50.00	CROSS SECTIONS-03
TYP-01	TYPICAL SECTIONS	12+50.00	CROSS SECTIONS-04
PLN-01	ROADWAY PLAN	13+39.00	CROSS SECTIONS-05
DRG-01	DRAINAGE AND GRADING PLAN	14+00.00	CROSS SECTIONS-06
ESC-01	EROSION AND SEDIMENT CONTROL PLAN	14+50.00	CROSS SECTIONS-07
PRO-01	PROFILE ROUTE 149	15+40.00	CROSS SECTIONS-08
PRO-02	PROFILE DRIVEWAYS		

REV.	DATE	REVISION DESCRIPTION	

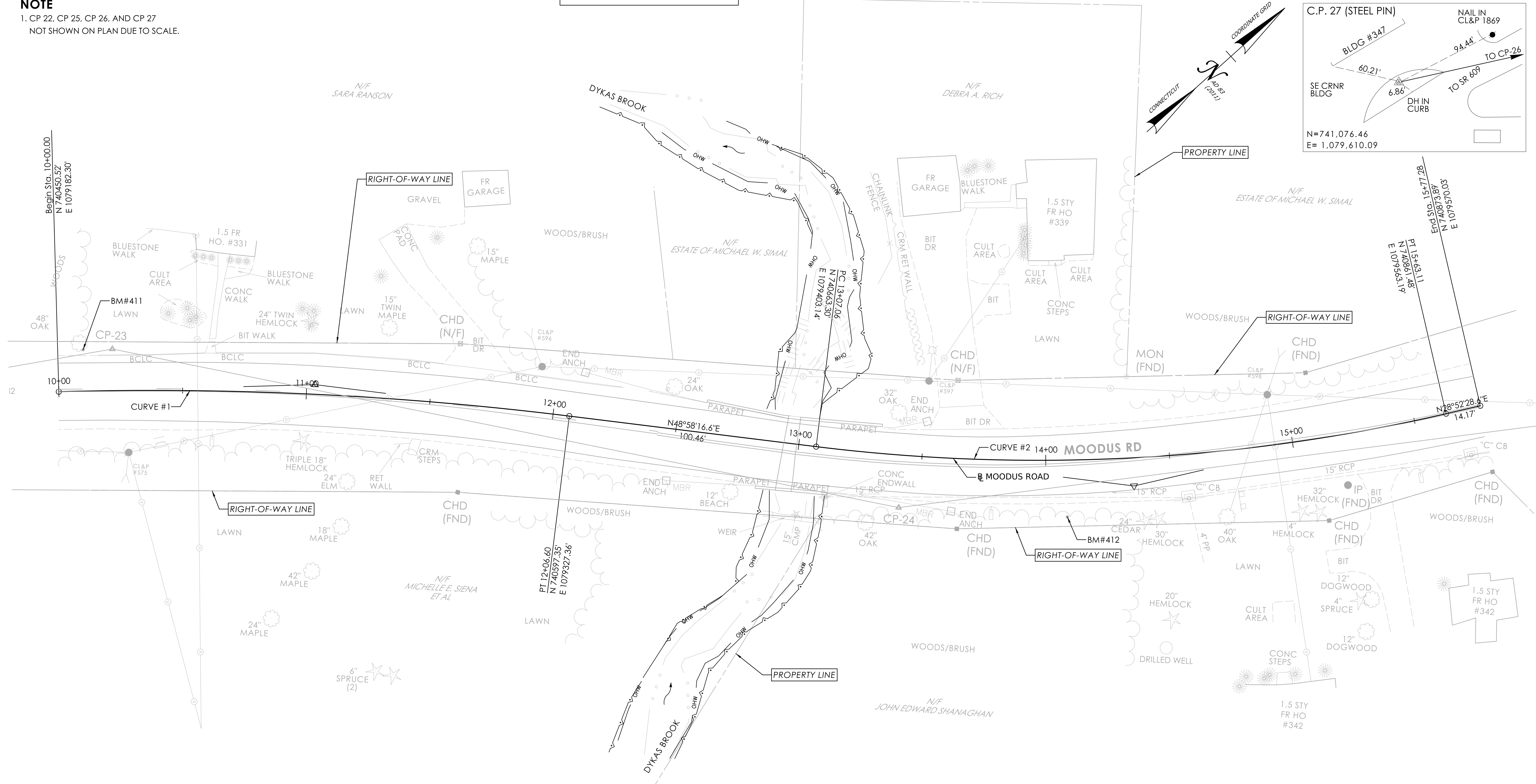
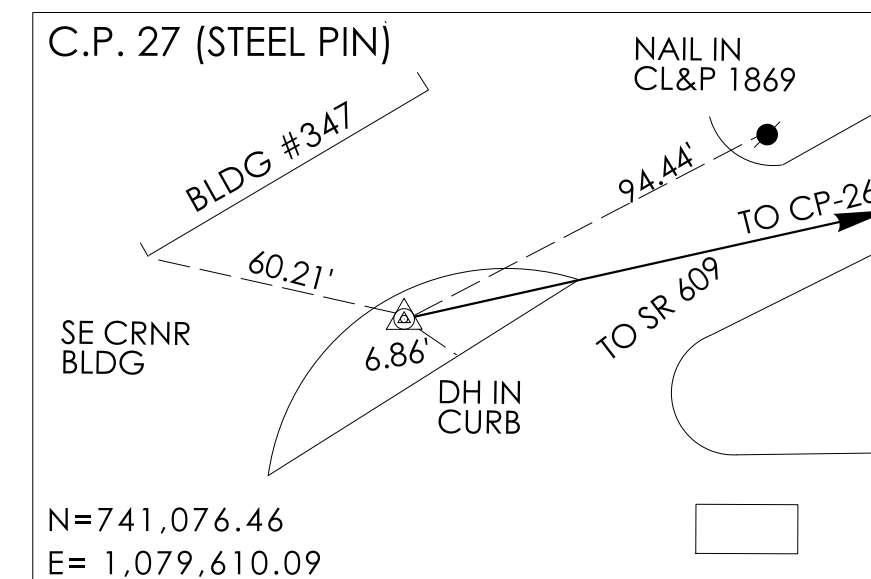
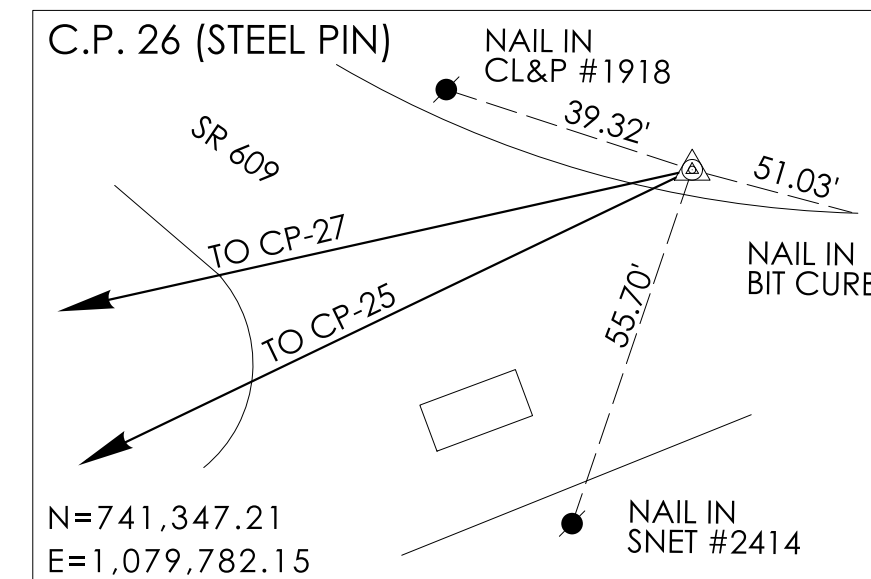
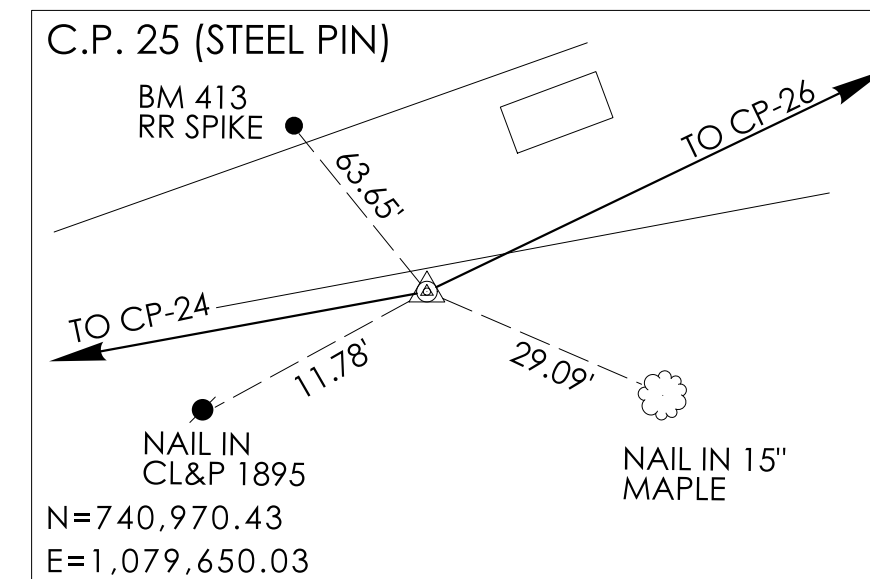
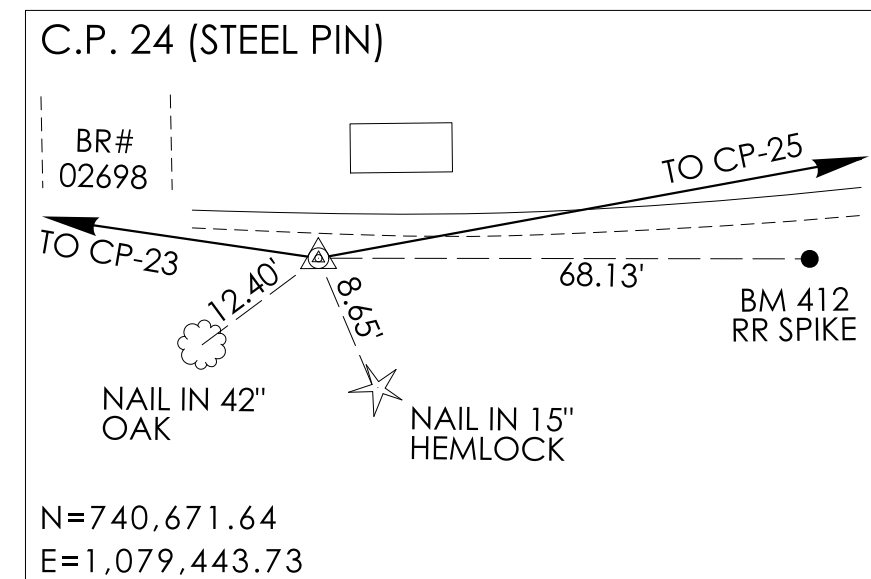
DESIGNED BY:
PRIME AE GROUP, INC.
100 GREAT MEADOW ROAD
6TH FLOOR
WETHERSFIELD, CT 06109

SIGNATURE BLOCK:   100 GREAT MEADOW ROAD WETHERSFIELD, CT 06109		 CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE 149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK	TOWN(S): EAST HADDAM	DRAWING TITLE: INDEX OF DRAWINGS	PROJECT NO.: 0040-0148	DRAWING NO.: INX-01
DESIGNER/DRAFTER: M. STOY CHECKED BY: S. NALITZ							SHEET NO.: 03.01



BENCH MARKS	
BM#411 RAILROAD SPIKE IN 48" OAK STA. 10+10.16, 16.75' LT ELEV. = 112.51	BM#412 RAILROAD SPIKE IN 36" HEMLOCK STA. 14+08.36, 22.96' RT ELEV. = 110.37

CURVE DATA - <u>8</u> MOODUS ROAD	
CURVE #1	CURVE #2
DELTA = 08°38'24.86"	DELTA = 20°05'48.06"
D = 4°10'55.83"	D = 7°50'55.45"
T = 103.49'	T = 129.35'
L = 206.60'	L = 256.05'
R = 1370.00'	R = 730.00'
PI N 740529.41	PI N 740748.21
PI E 1079249.28	PI E 1079500.73

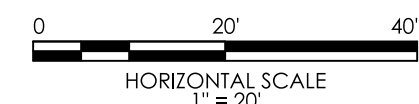
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SIGNATURE BLOCK:

PRIME AE
100 GREAT MEADOW ROAD
WETHERSFIELD, CT 06109

DESIGNER/DRAFTER: M. STOY

CHECKED BY: S. NALITZ



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE 149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK

TOWN(S): EAST HADDAM

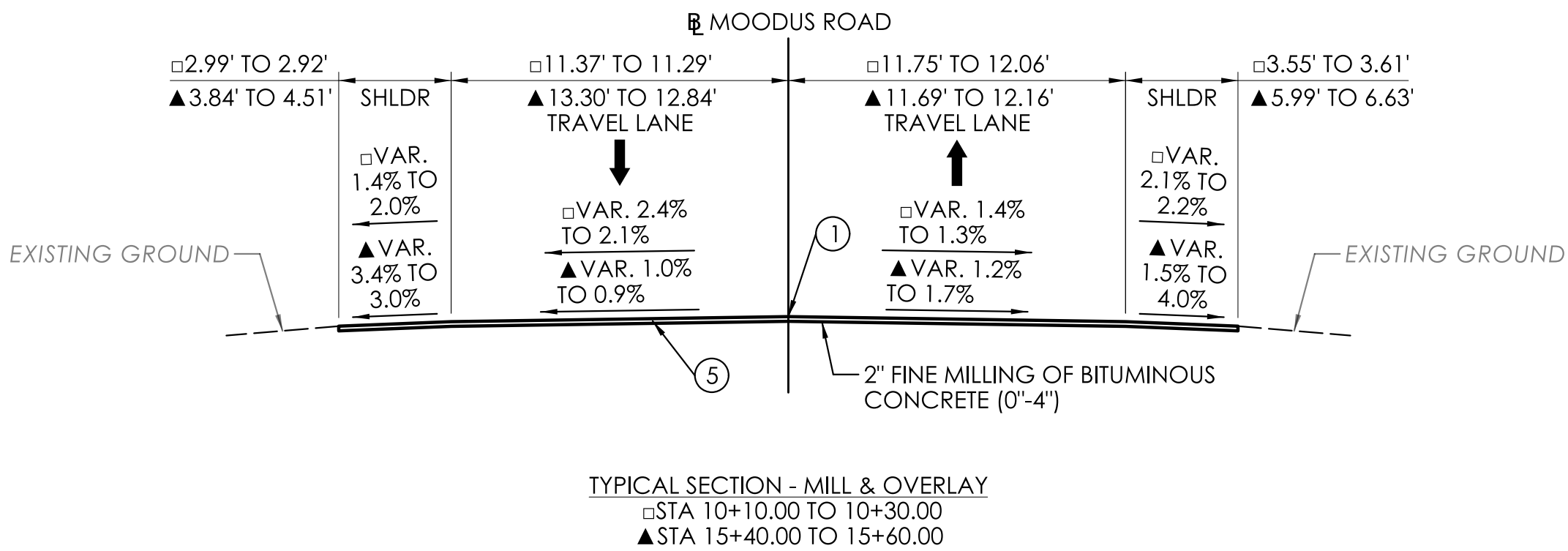
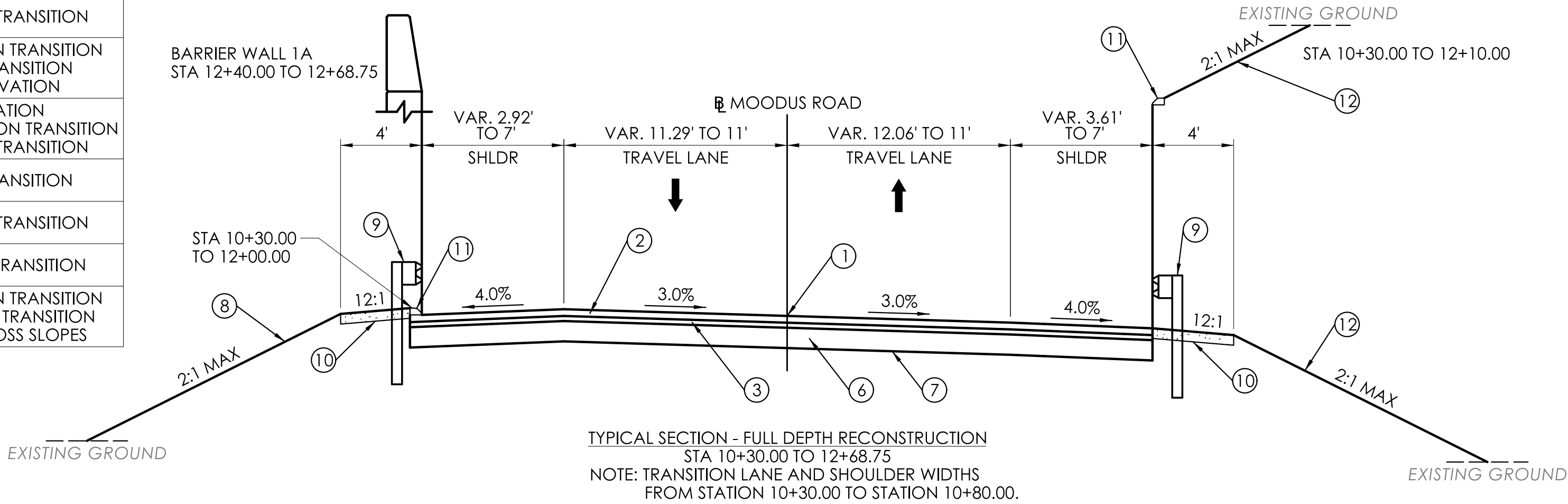
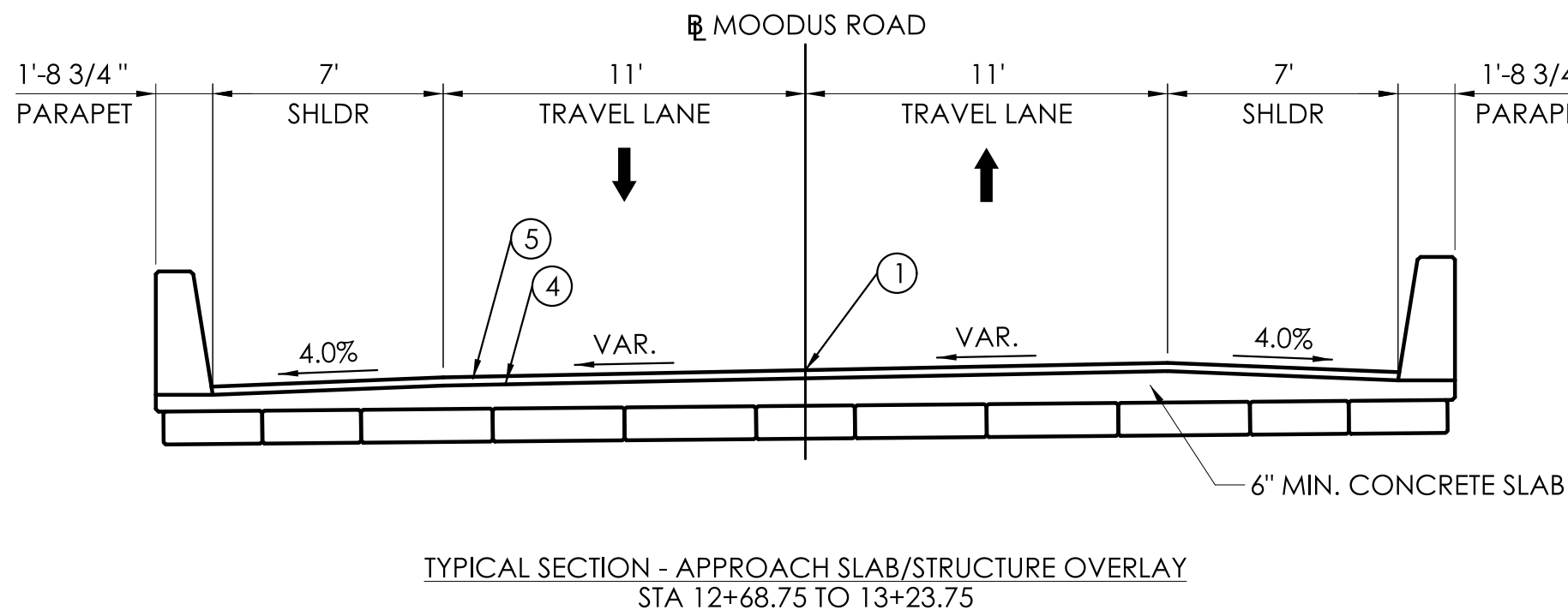
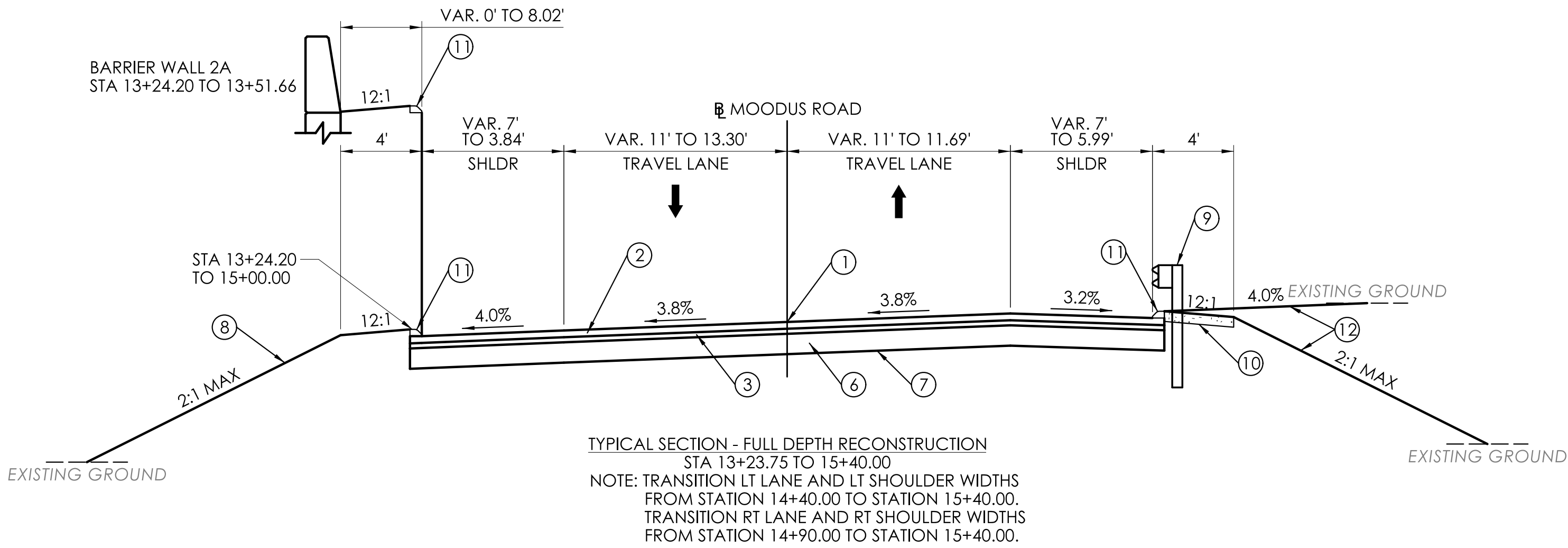
DRAWING TITLE:

SITE PLAN

PROJECT NO.:	0040-0148
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DRAWING NO.:	ALN-01
SHEET NO.:	03.02

ROUTE 149 SUPERELEVATION TABLE					
STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER	REMARKS
CURVE #1					
10+30.00	-2.00%	-2.07%	-1.25%	-2.15%	MATCH EXISTING CROSS SLOPES BEGIN SUPERELEVATION TRANSITION
10+55.00	-4.00%	-0.80%	-1.69%	-4.00%	END LT/RT SHOULDER TRANSITION
11+30.00	-4.00%	3.00%	-3.00%	-4.00%	END SUPERELEVATION TRANSITION BEGIN FULL SUPERELEVATION
11+88.00					END FULL SUPERELEVATION BEGIN SUPERELEVATION TRANSITION
12+52.00	-4.00%	0.00%	0.00%	-4.00%	END SUPERELEVATION TRANSITION STATION OF 0% CROSS SLOPE
CURVE #2					
12+52.00	-4.00%	0.00%	0.00%	-4.00%	STATION OF 0% CROSS SLOPE BEGIN SUPERELEVATION TRANSITION
13+15.00	-4.00%	-3.00%	3.00%	-4.00%	BEGIN RT SHOULDER TRANSITION
13+32.00	-4.00%	-3.80%	3.80%	-3.20%	END SUPERELEVATION TRANSITION END RT SHOULDER TRANSITION BEGIN FULL SUPERELEVATION
14+40.00					END FULL SUPERELEVATION BEGIN SUPERELEVATION TRANSITION BEGIN RT SHOULDER TRANSITION
14+56.00	-4.00%	-3.35%	3.00%	-4.00%	END RT SHOULDER TRANSITION
15+10.00	-4.00%	-1.85%	0.27%	-4.00%	BEGIN RT SHOULDER TRANSITION
15+20.00	-4.00%	-1.62%	-0.13%	-3.33%	BEGIN LT SHOULDER TRANSITION
15+40.00	-3.37%	-1.01%	-1.24%	-1.47%	END SUPERELEVATION TRANSITION END LT/RT SHOULDER TRANSITION MATCH EXISTING CROSS SLOPES



NOTES

- "NON-TRACKING ASPHALT TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 - BITUMINOUS CONCRETE.

LEGEND

- POINT OF APPLICATION OF GRADE
- 4" HMA S0.5 TRAFFIC LEVEL 2 (PLACED IN TWO EQUAL LIFTS)
- 3" HMA S1.0 TRAFFIC LEVEL 2 (PLACED IN A SINGLE LIFT)
- 1" HMA S0.25 TRAFFIC LEVEL 2 (PLACED IN A SINGLE LIFT)
- 2" HMA S0.5 TRAFFIC LEVEL 2 (PLACED IN A SINGLE LIFT)
- 12" SUBBASE
- FORMATION OF SUBGRADE
- 4" TOPSOIL AND TURF ESTABLISHMENT - LAWN
- GUIDERAIL (LOCATION AND TYPE AS SHOWN ON PLANS)
- 6" PROCESSED AGGREGATE
- BITUMINOUS CONCRETE PARK CURBING (BCPC)
- CONSERVATION SEEDING FOR SLOPES

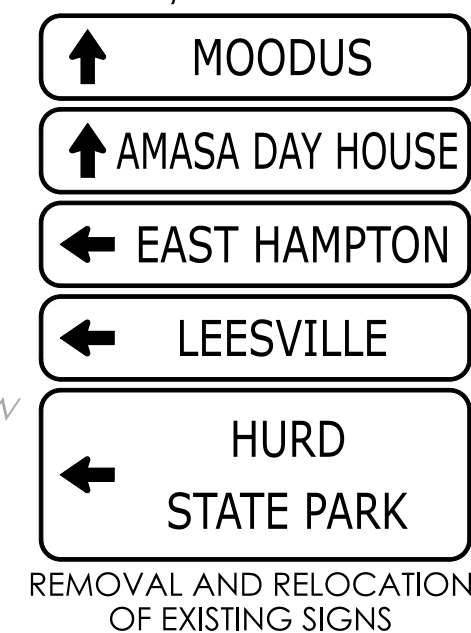
REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: M. STOY	CHECKED BY: S. NALITZ								

WEL - WHITE EDGE LINE
DYCL - DOUBLE YELLOW CENTER LINE
SYBL - SOLID YELLOW AND BROKEN LINE
◆ - OBJECT MARKER (MAINTENANCE)

1. ALL FINAL PAVEMENT MARKINGS ARE TO BE EPOXY RESIN.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET TR-1210_04 - PAVEMENT MARKINGS, LINES, AND SYMBOLS AND TR-1210_08 - PAVEMENT MARKINGS ON NON FREEWAYS, UNLESS OTHERWISE NOTED.

1. ALL EXISTING SIGNS OUTSIDE OF THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH CTDOT STANDARD SHEET TR-1208_02 - METAL SIGN POSTS AND SIGN MOUNTING DETAILS, UNLESS OTHERWISE NOTED.
3. EXACT SIGN LOCATIONS TO BE VERIFIED BY THE ENGINEER.



1. REMOVE EXISTING CRM STEPS & RETAINING WALL INCLUDED UNDER ITEM "REMOVAL OF EXISTING MASONRY".
2. REMOVE EXISTING WEIR INCLUDED UNDER ITEM "REMOVAL OF EXISTING MASONRY".
3. REMOVE EXISTING CONC ENDWALL INCLUDED UNDER ITEM "REMOVAL OF EXISTING MASONRY".
4. RESET MAILBOX INCLUDED UNDER ITEM "CLEARING AND GRUBBING".

[illegible]

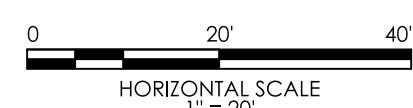
SIGNATURE BLOCK:



PRIME AE
100 GREAT MEADOW ROAD
WETHERFIELD, CT 06110



DESIGNER/DRAFTER: M. STOY CHECKED BY: S. NALITZ



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE 149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK

TOWN(S): **EAST HADDAM**

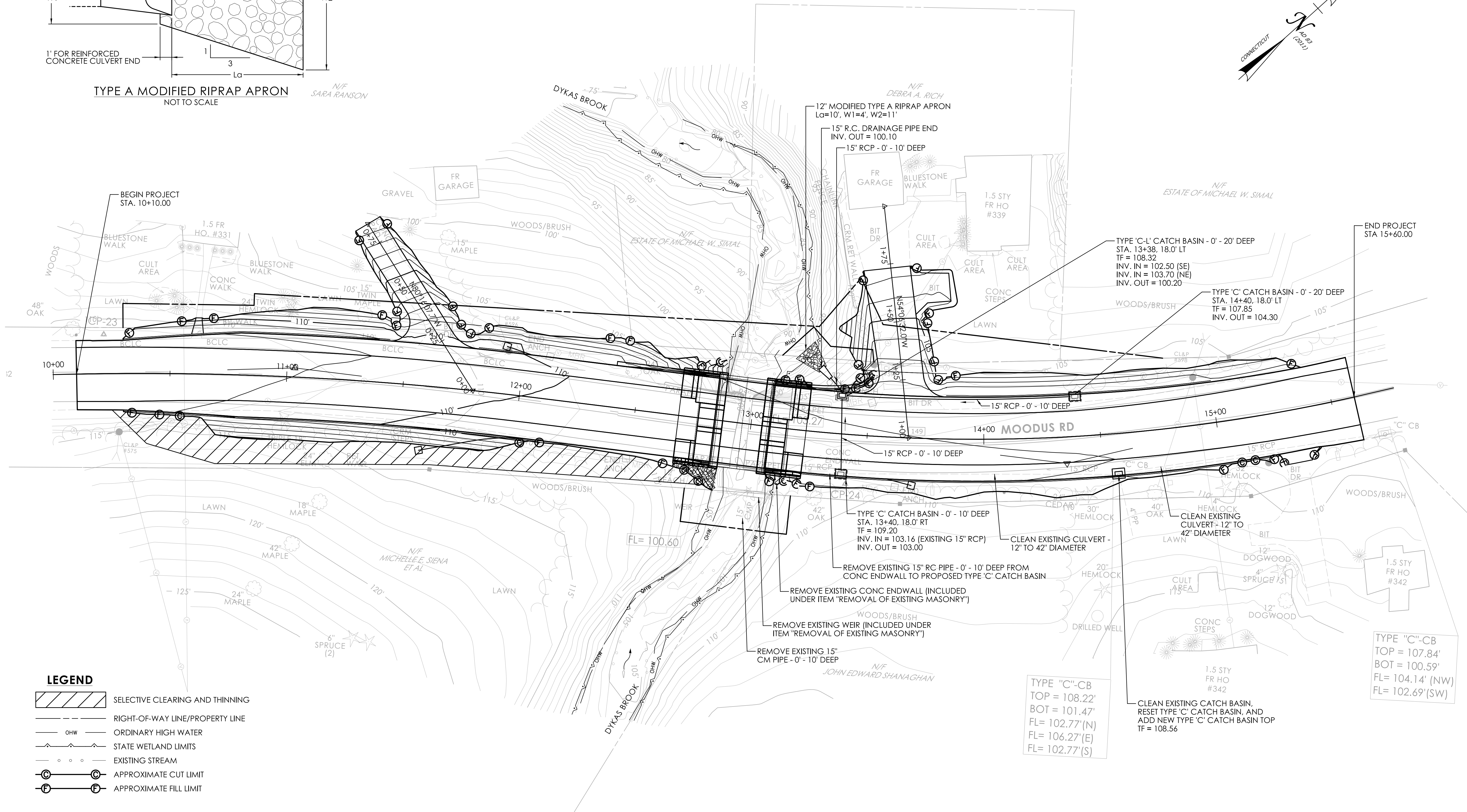
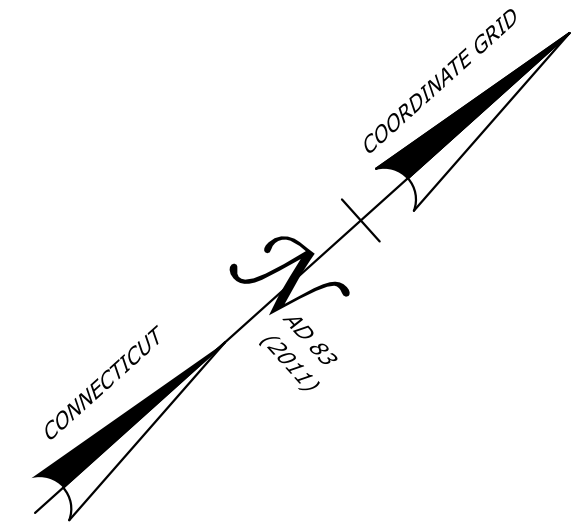
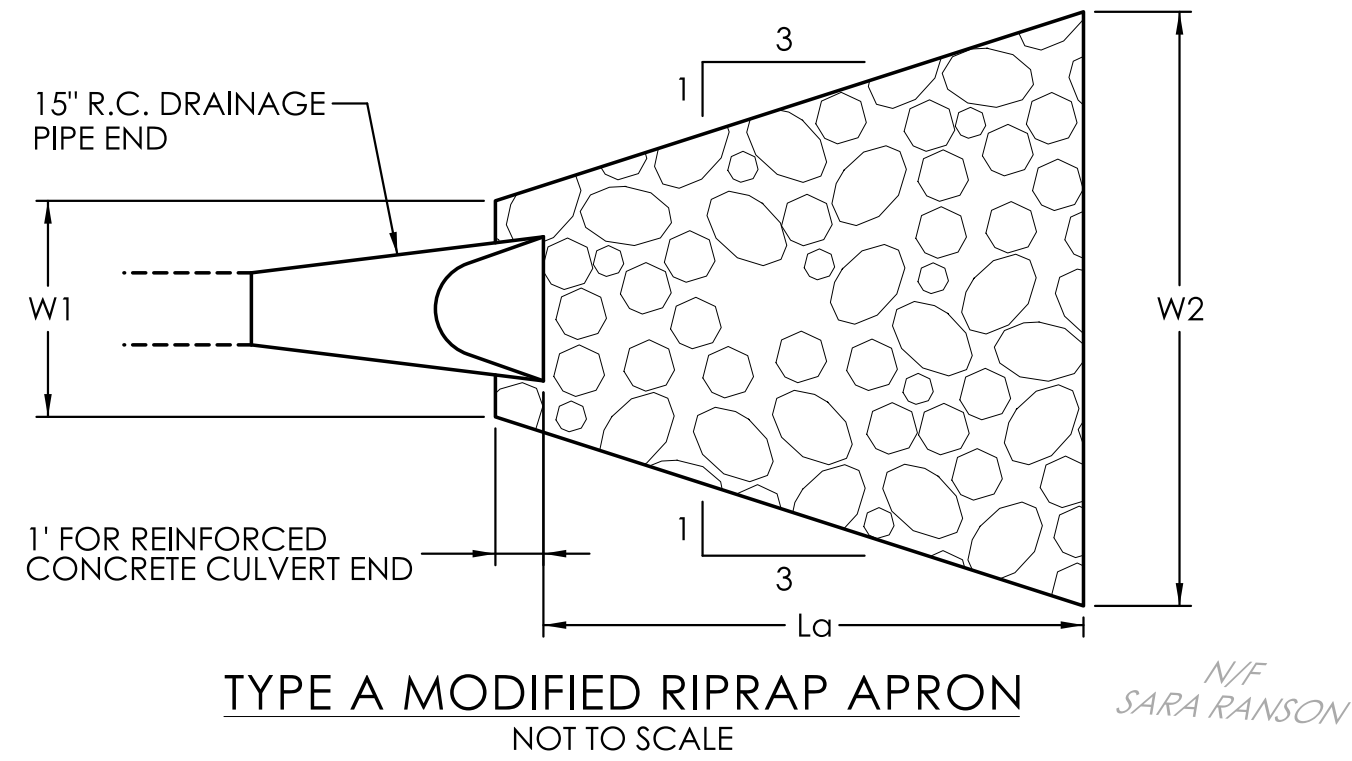
DRAWING TITLE:

ROADWAY PLAN

PROJECT NO.:	0040-0148
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DRAWING NO.:	PLN-01
SHEET NO.:	03.05

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PLOTTED DATE: 4/18/2025

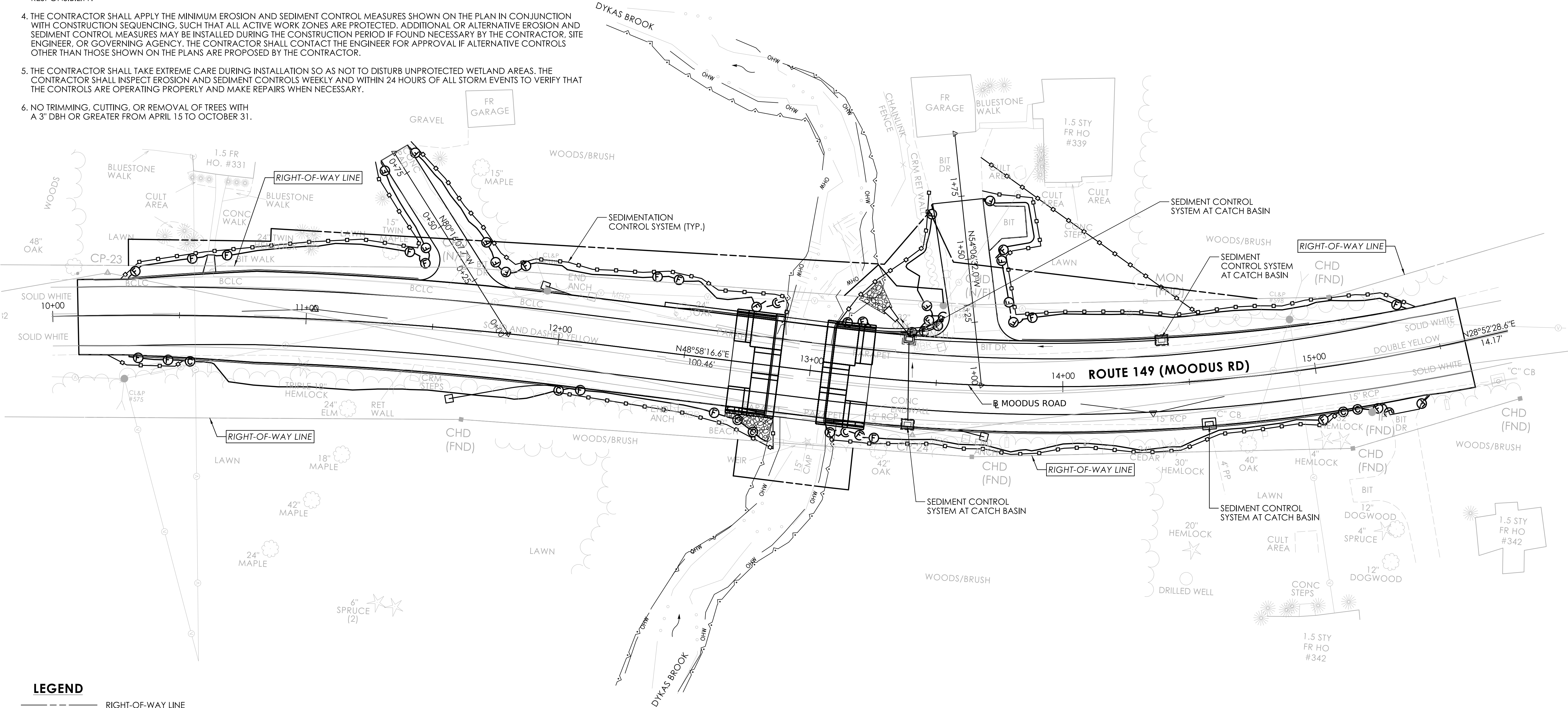
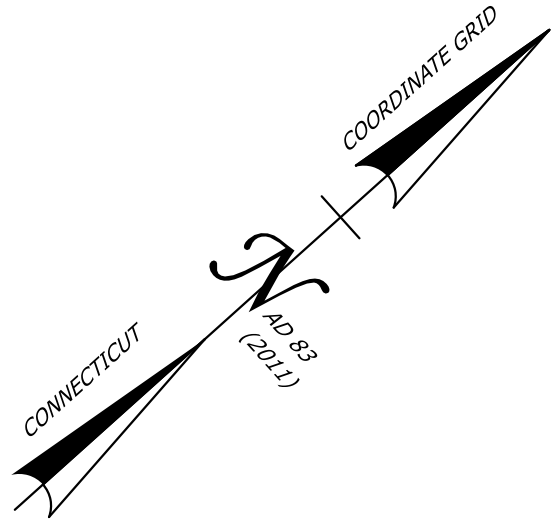


LEGEND

- SELECTIVE CLEARING AND THINNING
- RIGHT-OF-WAY LINE/PROPERTY LINE
- OHW — ORDINARY HIGH WATER
- STATE WETLAND LIMITS
- EXISTING STREAM
- APPROXIMATE CUT LIMIT
- APPROXIMATE FILL LIMIT

GENERAL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LATEST CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL KEEP A COPY OF THE CURRENT GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING.
2. DRAWING NO. ESC-01 IS ONLY INTENDED TO DESCRIBE THE EROSION AND SEDIMENT CONTROL MEASURES FOR THE SITE. ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE SHOWN IN A GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION AND SEDIMENT CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAIN SYSTEMS AND WATERCOURSES. ACTUAL SITE CONDITIONS OR SEASONAL AND CLIMATIC CONDITIONS MAY WARRANT ADDITIONAL CONTROLS OR CONFIGURATIONS WHEN DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND INFORMING THE GOVERNING AUTHORITY OF ANY TRANSFER OF THIS RESPONSIBILITY.
4. THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING. SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL OR ALTERNATIVE EROSION AND SEDIMENT CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, SITE ENGINEER, OR GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING INSTALLATION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS WEEKLY AND WITHIN 24 HOURS OF ALL STORM EVENTS TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHEN NECESSARY.
6. NO TRIMMING, CUTTING, OR REMOVAL OF TREES WITH A 3" DBH OR GREATER FROM APRIL 15 TO OCTOBER 31.



LEGEND

- RIGHT-OF-WAY LINE
- TEMPORARY CONSTRUCTION EASEMENT
- OHW

ORDINARY HIGH WATER
- STATE WETLAND LIMITS
- SEDIMENTATION CONTROL SYSTEM (SCS)

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

PRIME

100 GREAT MEADOW ROAD
WETHERSFIELD, CT 06109

DESIGNER/DRAFTER: M. STOIY

CHECKED BY: S. NALITZ

0 20' 40'

HORIZONTAL SCALE
1" = 20'

CTDOT

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE 149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK

TOWN(S):

EAST HADDAM

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO.:

0040-0148

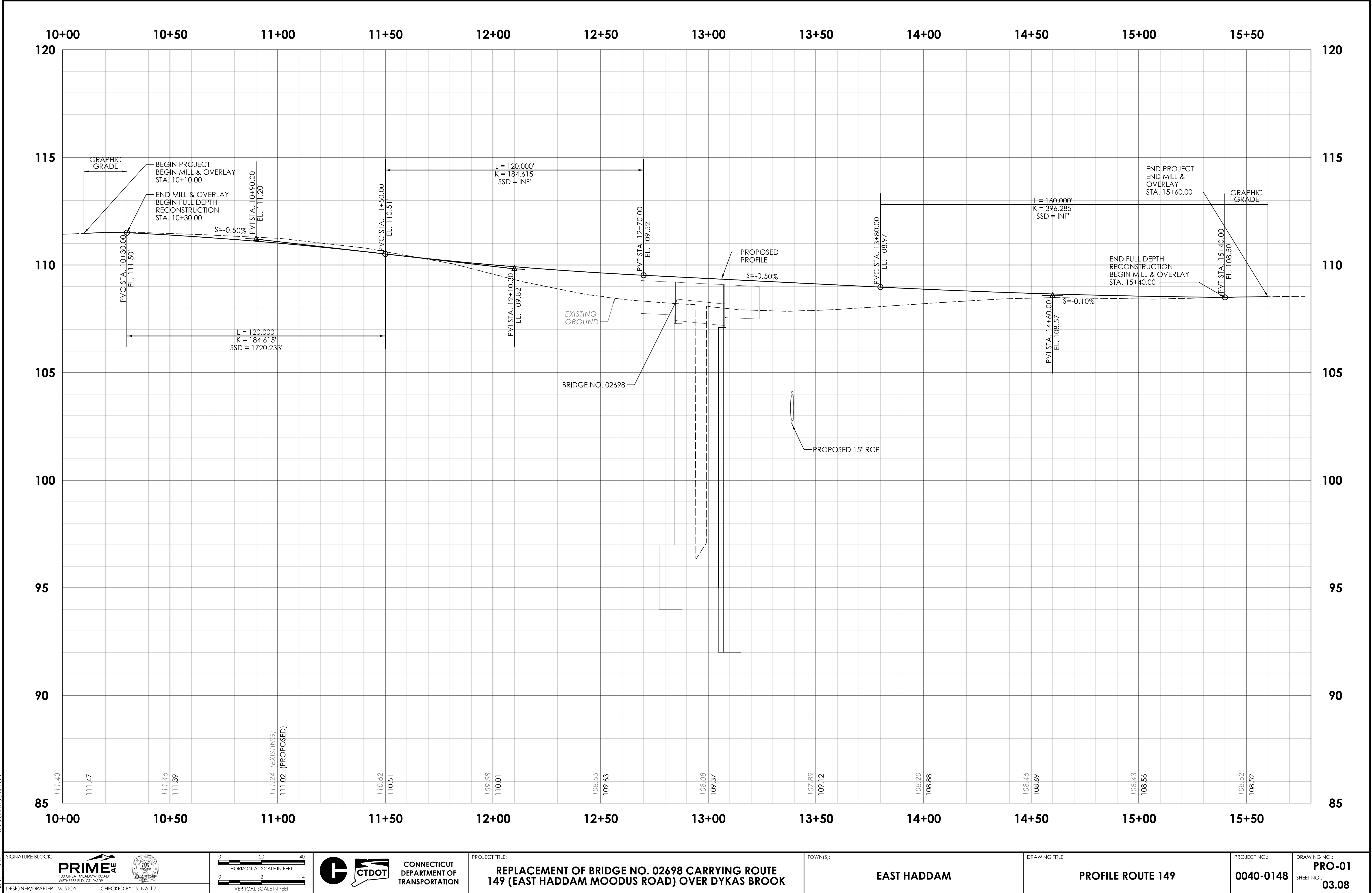
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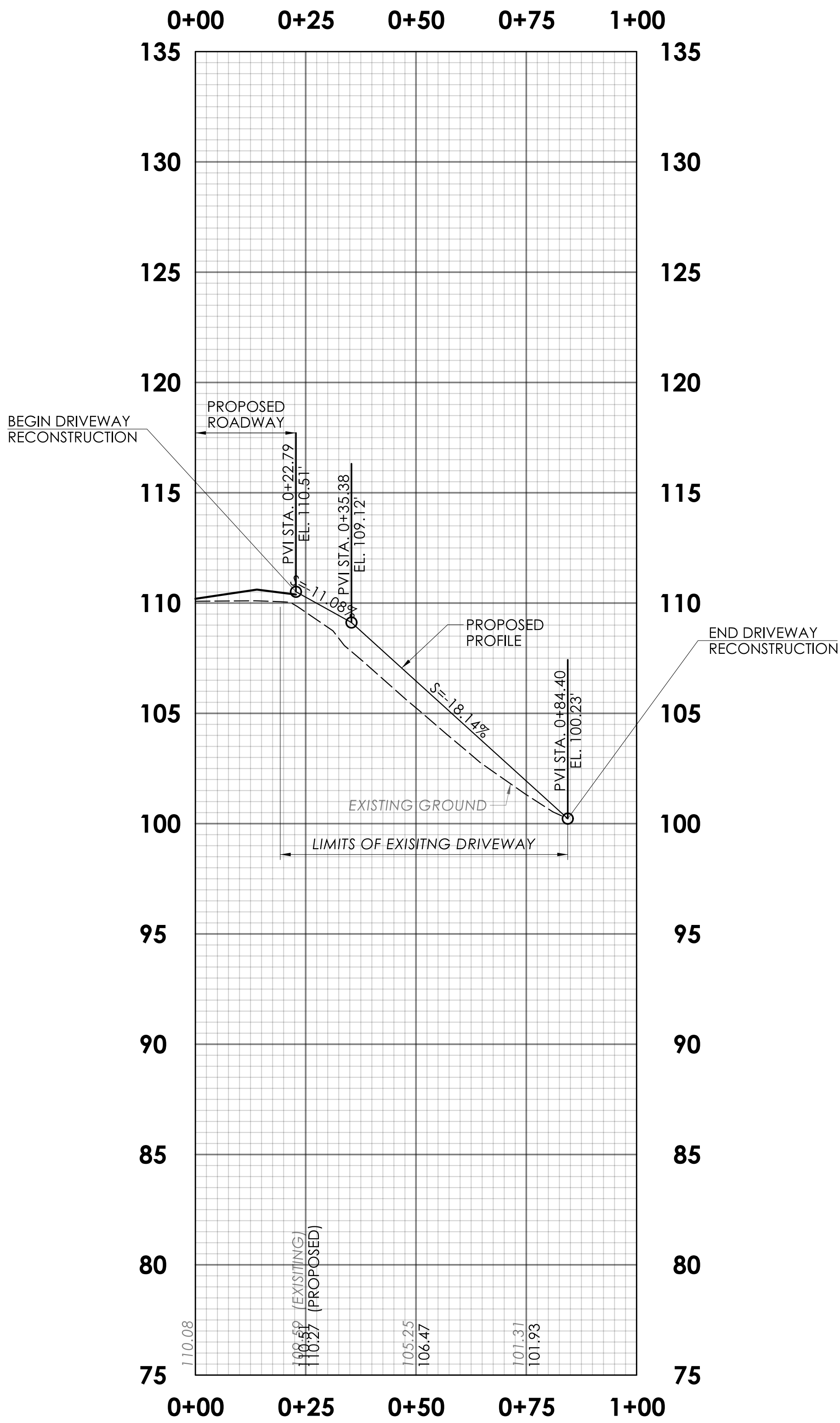
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SHEET NO.:

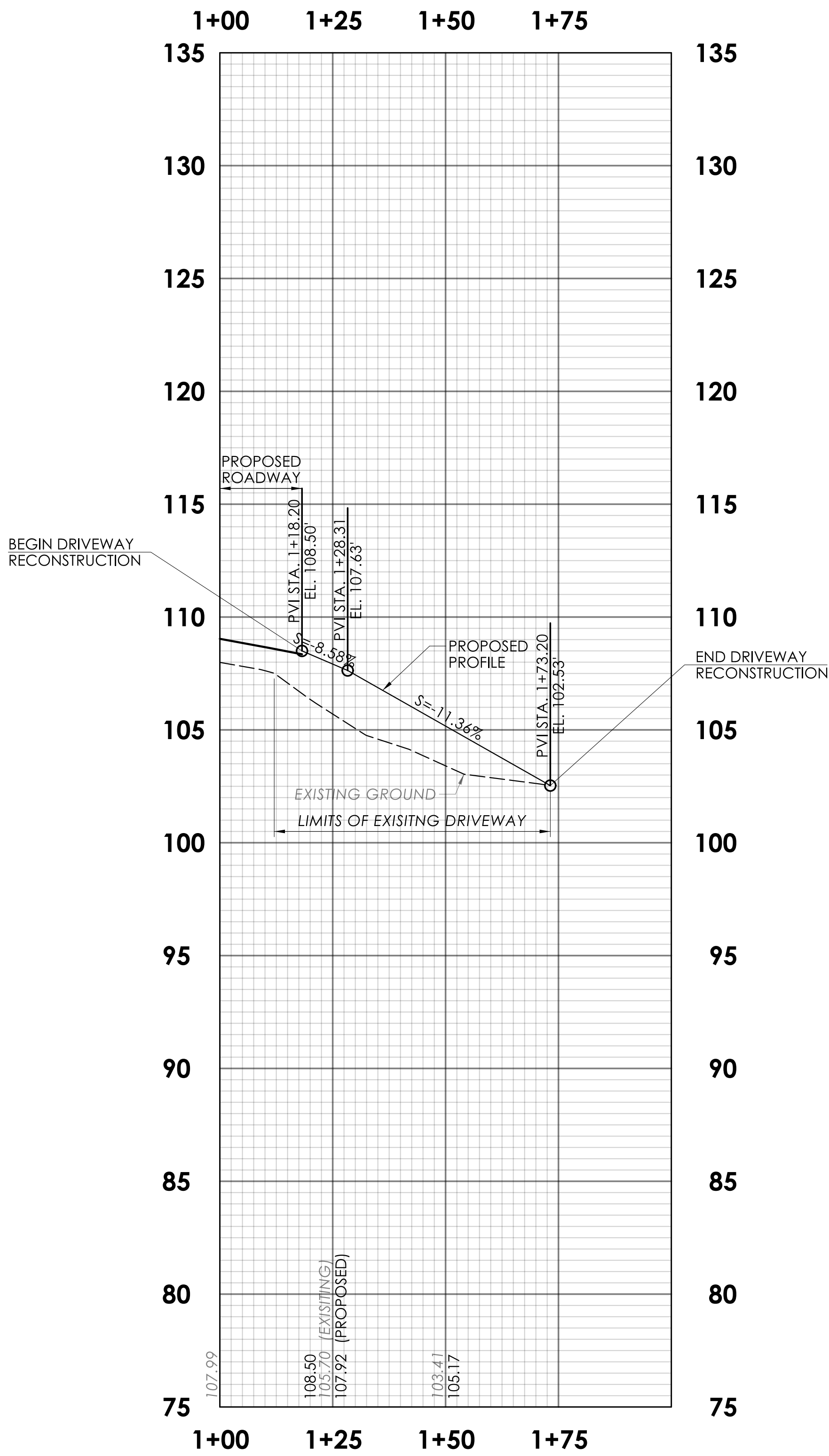
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REV.	DATE	REVISION DESCRIPTION



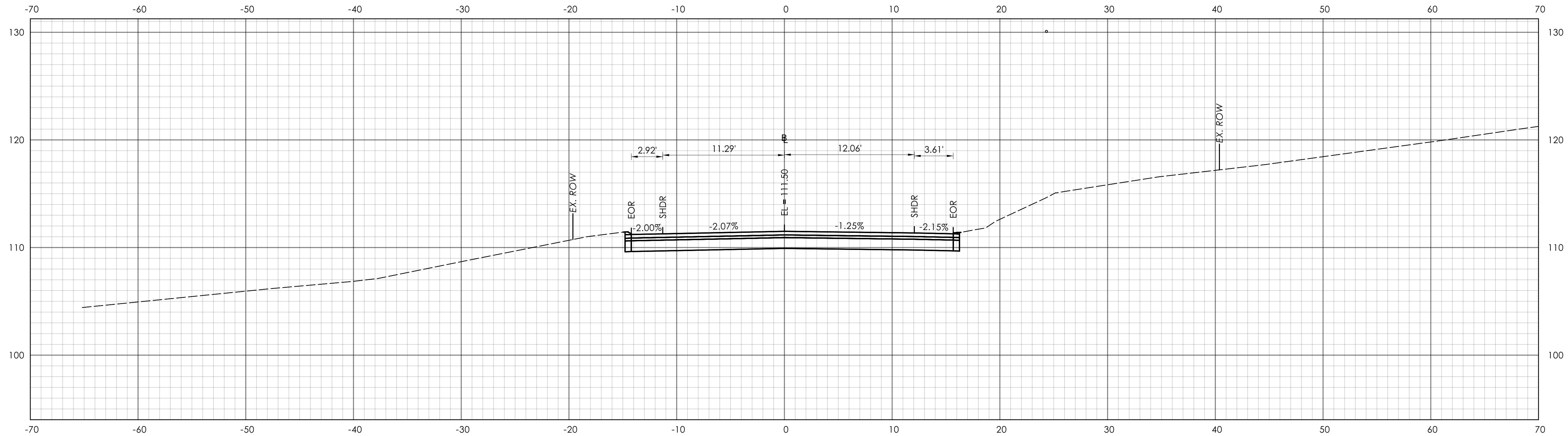


DRIVEWAY 1 PROFILE (R MOODUS ROAD STA. 11+80.00 LT)

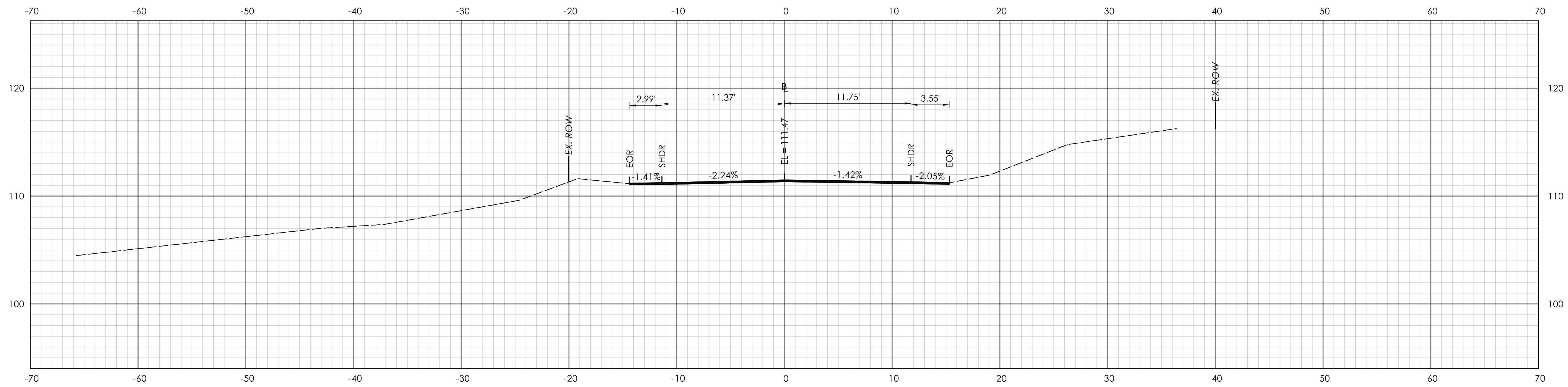


DRIVEWAY 2 PROFILE (R MOODUS ROAD STA. 13+67.85 LT)

REV.	DATE	REVISION DESCRIPTION



STA.10+30.00



STA.10+10.00

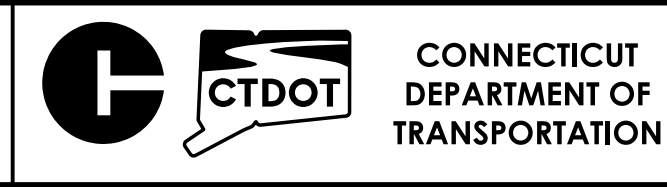
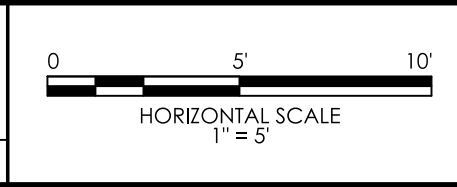
REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:


100 GREAT MEADOW ROAD
WETHERFIELD, CT 06109



DESIGNER/DRAFTER: M. STOIY
CHECKED BY: S. NALITZ

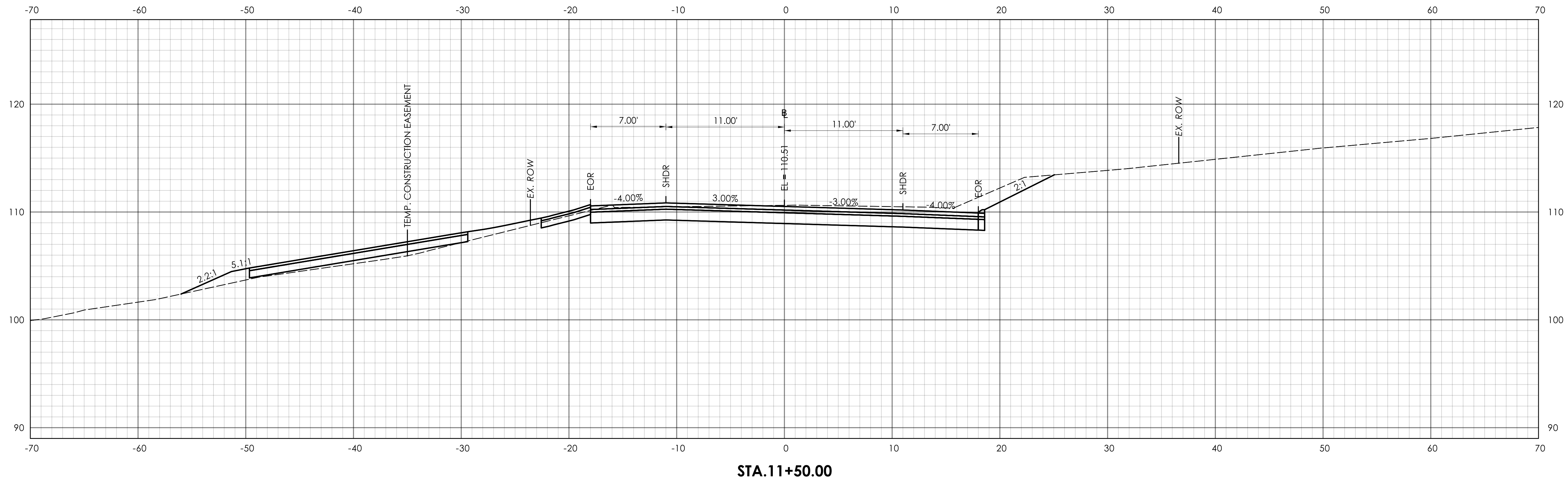
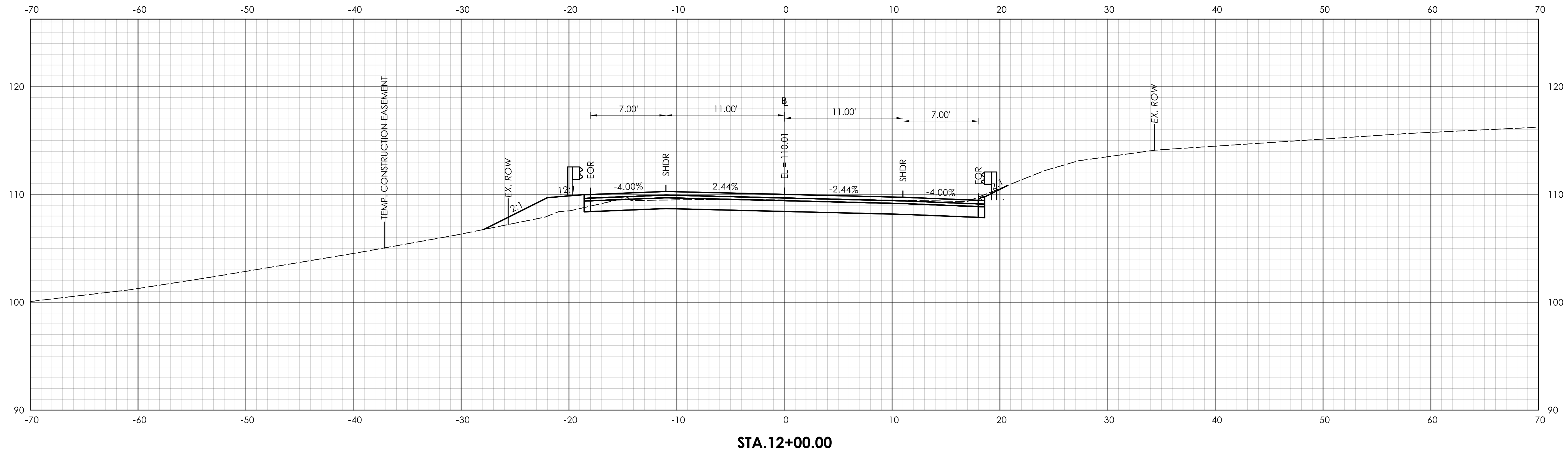


PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE 149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK

TOWN(S):
EAST HADDAM

DRAWING TITLE:
CROSS SECTIONS-01

PROJECT NO.: 0040-0148	DRAWING NO.: 10+10.00
SHEET NO.: 03.10	



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

PRIME

100 GREAT MEADOW ROAD
WETHERFIELD, CT 06109

DESIGNER/DRAFTER: M. STOIY

CHECKED BY: S. NALITZ

0

5'

10'

HORIZONTAL SCALE
1" = 5'

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE
149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK

TOWN(S):

EAST HADDAM

DRAWING TITLE:

CROSS SECTIONS-03

PROJECT NO.:

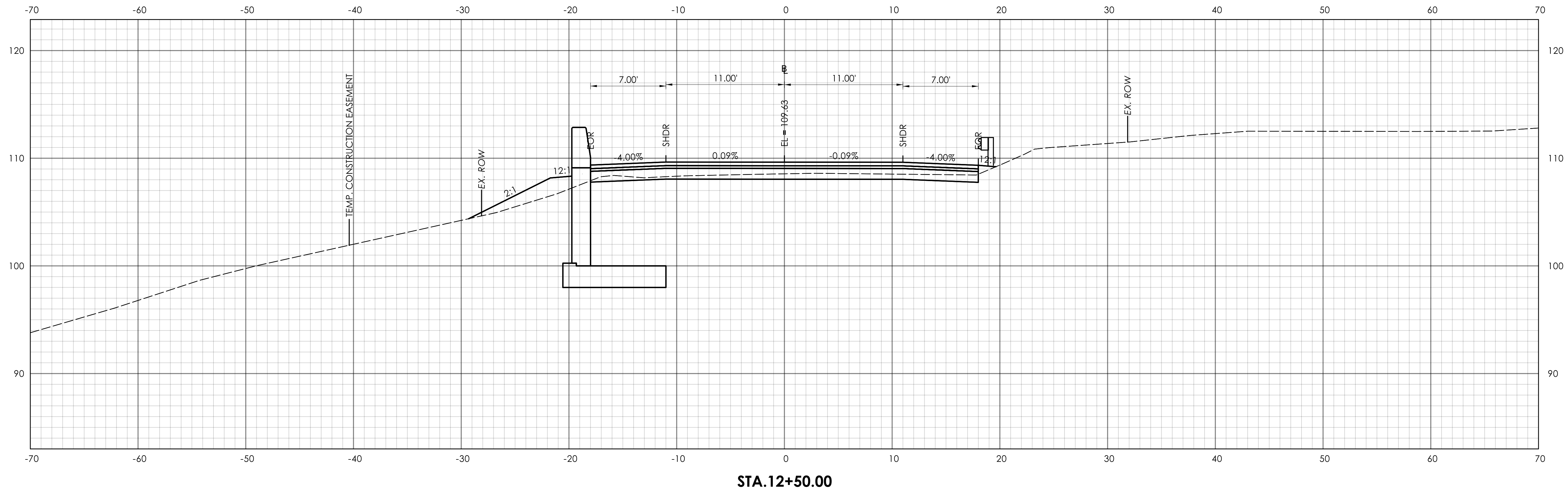
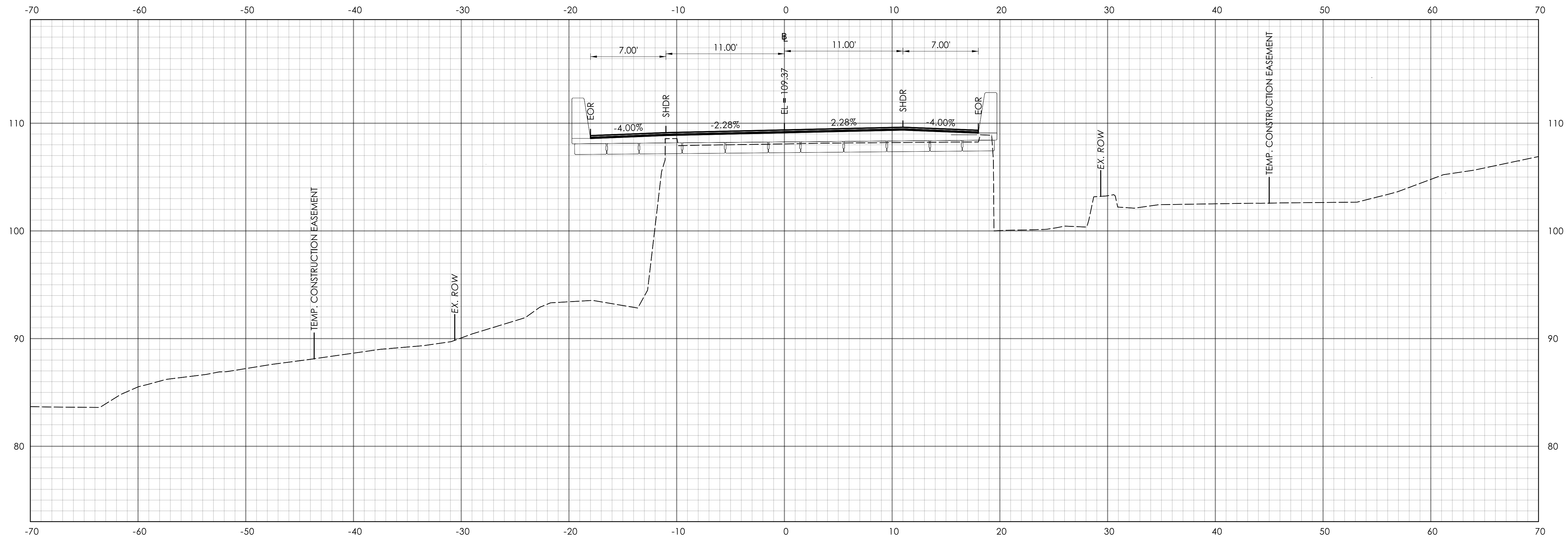
0040-0148

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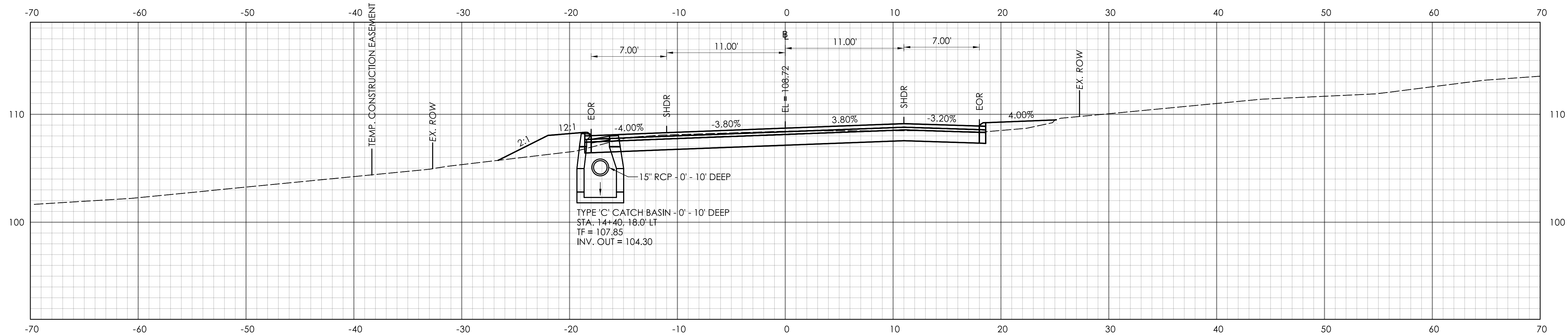
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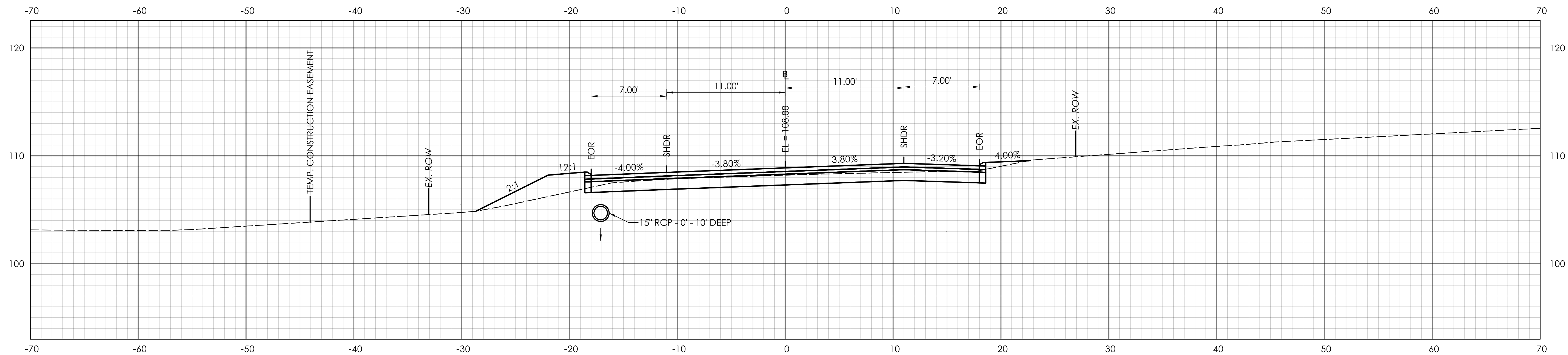
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REV.	DATE	REVISION DESCRIPTION



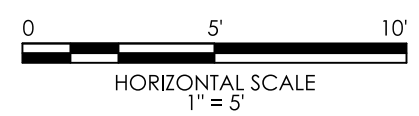
STA.14+40.00



STA.14+00.00

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	
DESIGNER/DRAFTER: M. STOIY	CHECKED BY: S. NALITZ



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

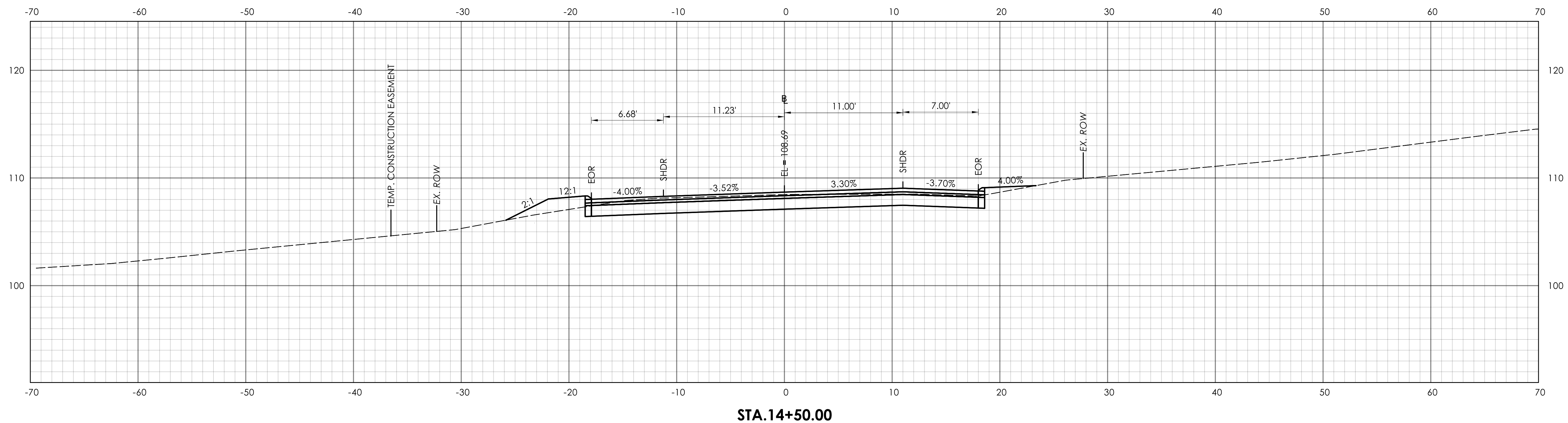
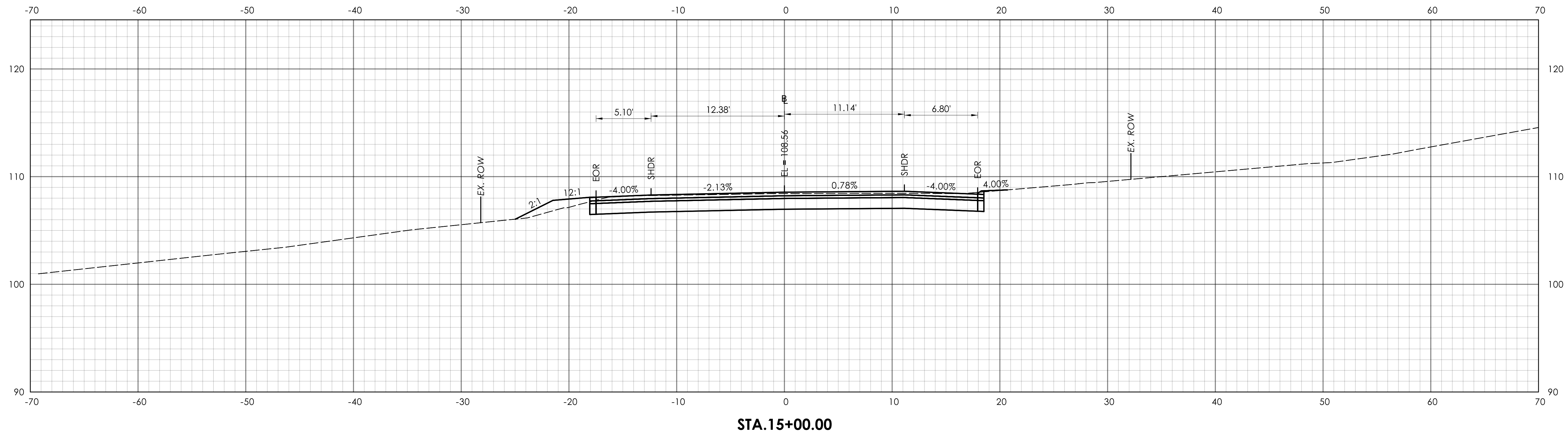
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**REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE
149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK**

TOWN(S):
EAST HADDAM

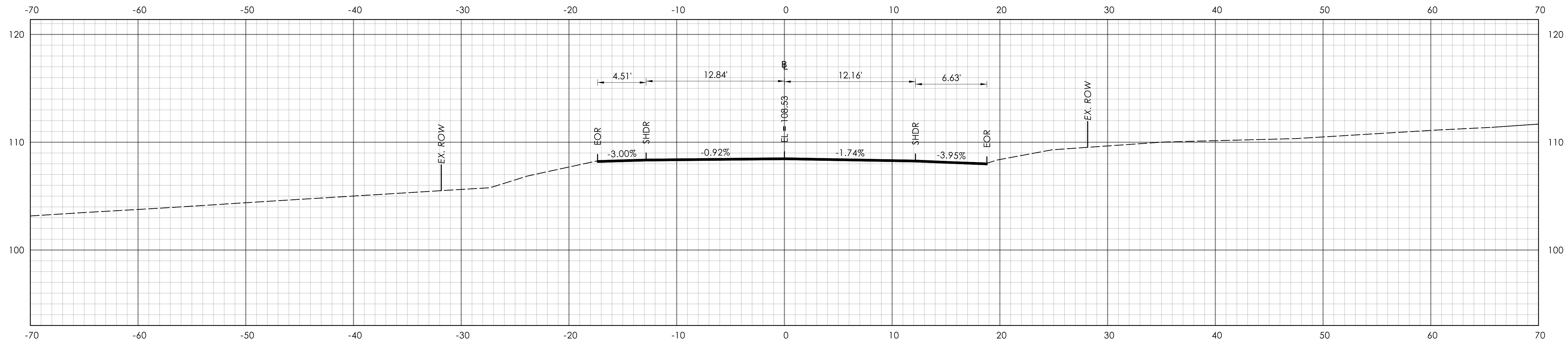
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CROSS SECTIONS-06

PROJECT NO.:
0040-0148

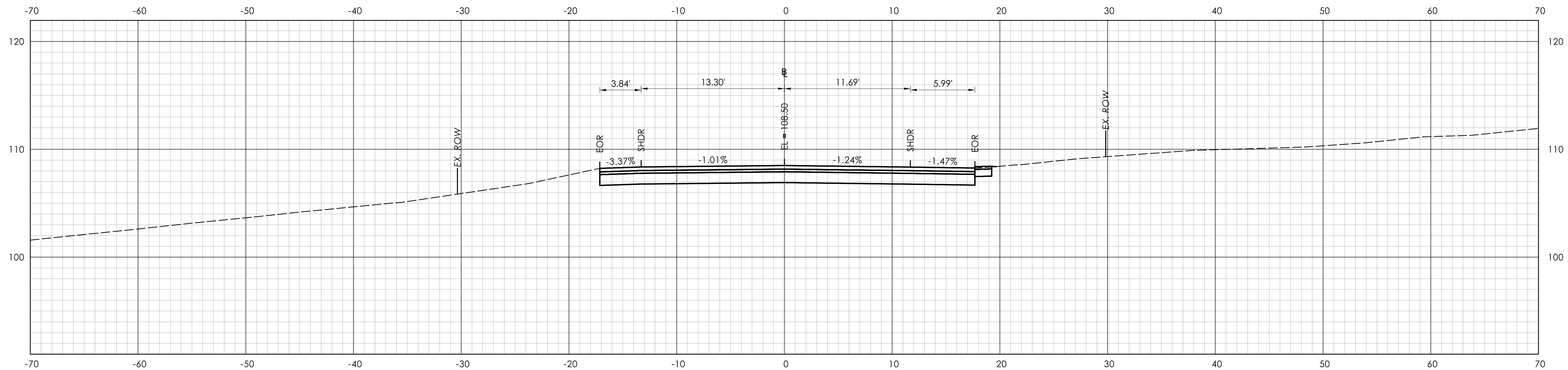
DRAWING NO.:
14+00.00
SHEET NO.:
03.15



REV.	DATE	REVISION DESCRIPTION



STA.15+60.00



STA.15+40.00

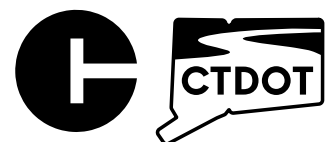
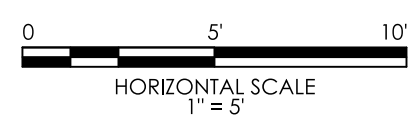
REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:


100 GREAT MEADOW ROAD
WETHERFIELD, CT 06109



DESIGNER/DRAFTER: M. STOY CHECKED BY: S. NALITZ



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
**REPLACEMENT OF BRIDGE NO. 02698 CARRYING ROUTE
149 (EAST HADDAM MOODUS ROAD) OVER DYKAS BROOK**

TOWN(S):
EAST HADDAM

DRAWING TITLE:
CROSS SECTIONS-08

PROJECT NO.:
0040-0148

DRAWING NO.:
15+40.00
SHEET NO.:
03.17