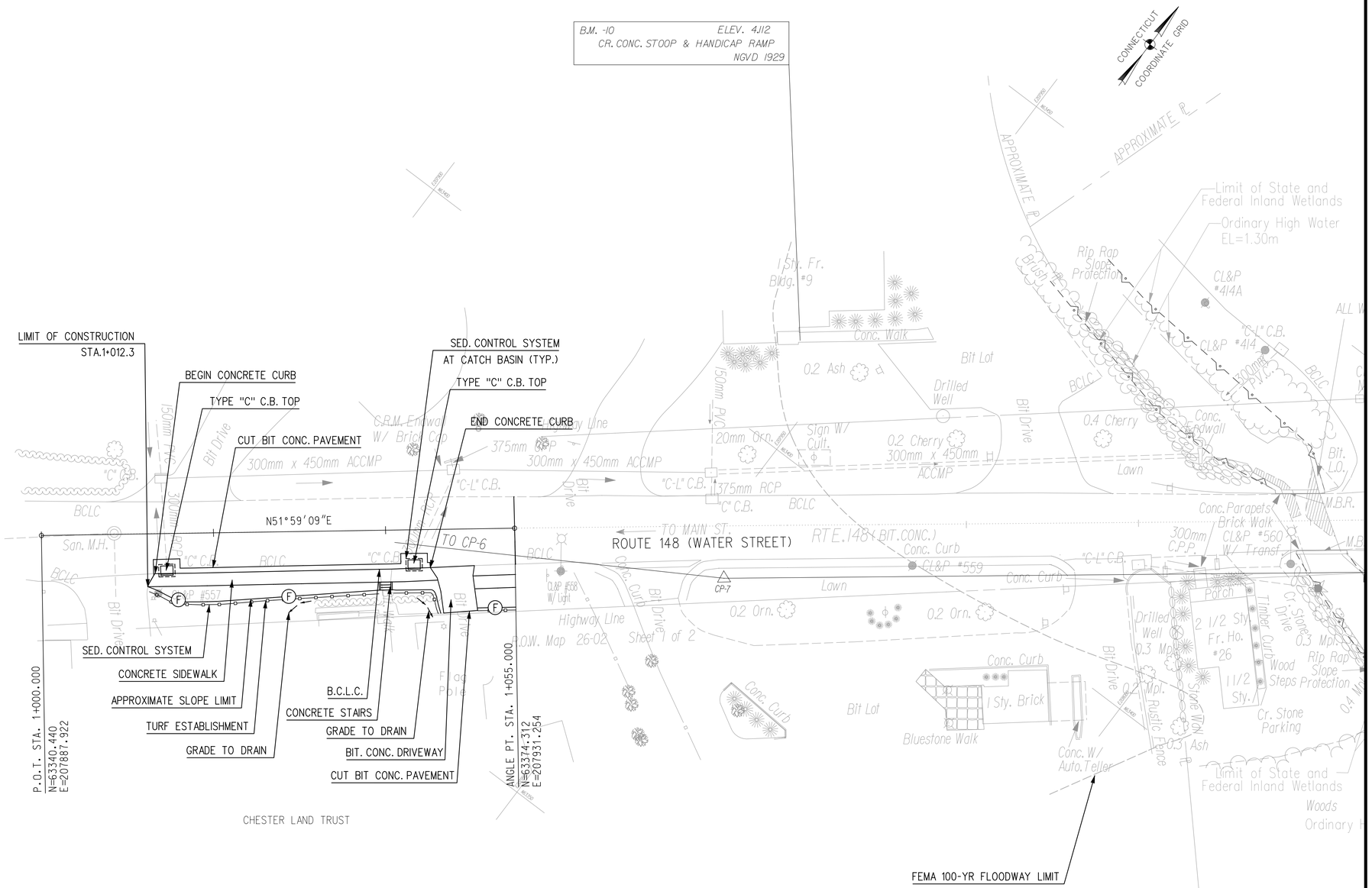
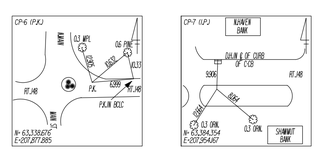


DESIGN BY:
CLOSE JENSEN & MILLER, P.C.

John Miller, P.E.
2011.08.05
10:40:08 -04'00'

LIST OF DRAWINGS
SUBSET 03 - HIGHWAY

DRAWING TITLE	DRAWING NO.
ROADWAY PLAN (1 OF 2)	HWY-01
ROADWAY PLAN (2 OF 2)	HWY-02
RIGHT OF WAY PLAN	ROW-01
DRAINAGE PLAN	DRG-01
ROADWAY PROFILE	PRO-01
GRADING PLAN AND TYPICAL SECTIONS	MDS-01
MISCELLANEOUS DETAILS	MDS-02
CONCRETE STEPS DETAILS	MDS-03
ROUTE 148 CROSS SECTIONS 1+000 - 1+040	XSC-01
ROUTE 148 CROSS SECTIONS 1+048.2 - 1+060	XSC-02
ROUTE 148 CROSS SECTIONS 1+066.3 - 1+080	XSC-03
ROUTE 148 CROSS SECTIONS 1+100 - 1+120	XSC-04
ROUTE 148 CROSS SECTIONS 1+122.6 - 1+140	XSC-05
ROUTE 148 CROSS SECTIONS 1+143.2 - 1+155.5	XSC-06
ROUTE 148 CROSS SECTIONS 1+160 - 1+180	XSC-07
ROUTE 148 CROSS SECTIONS 1+184.5 - 1+220	XSC-08
ROUTE 148 CROSS SECTIONS 1+225 - 1+240	XSC-09
GREAT BROOK CROSS SECTIONS 1+000 - 1+010	XSC-10
GREAT BROOK CROSS SECTIONS 1+010 - 1+050	XSC-11
GREAT BROOK CROSS SECTIONS 1+060 - 1+070	XSC-12



NOTE:

SEDIMENTATION CONTROL SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.

CURBING TABULATION

B.C.L.C.
STA. 1+012 TO STA. 1+046 RT.

SIDEWALK TABULATION

CONCRETE SIDEWALK
STA. 1+012 TO STA. 1+046 RT.

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.
CHECKED BY: D.K.P.
SCALE IN METERS
0 2.5 5 7.5 10 12.5
SCALE 1:250

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

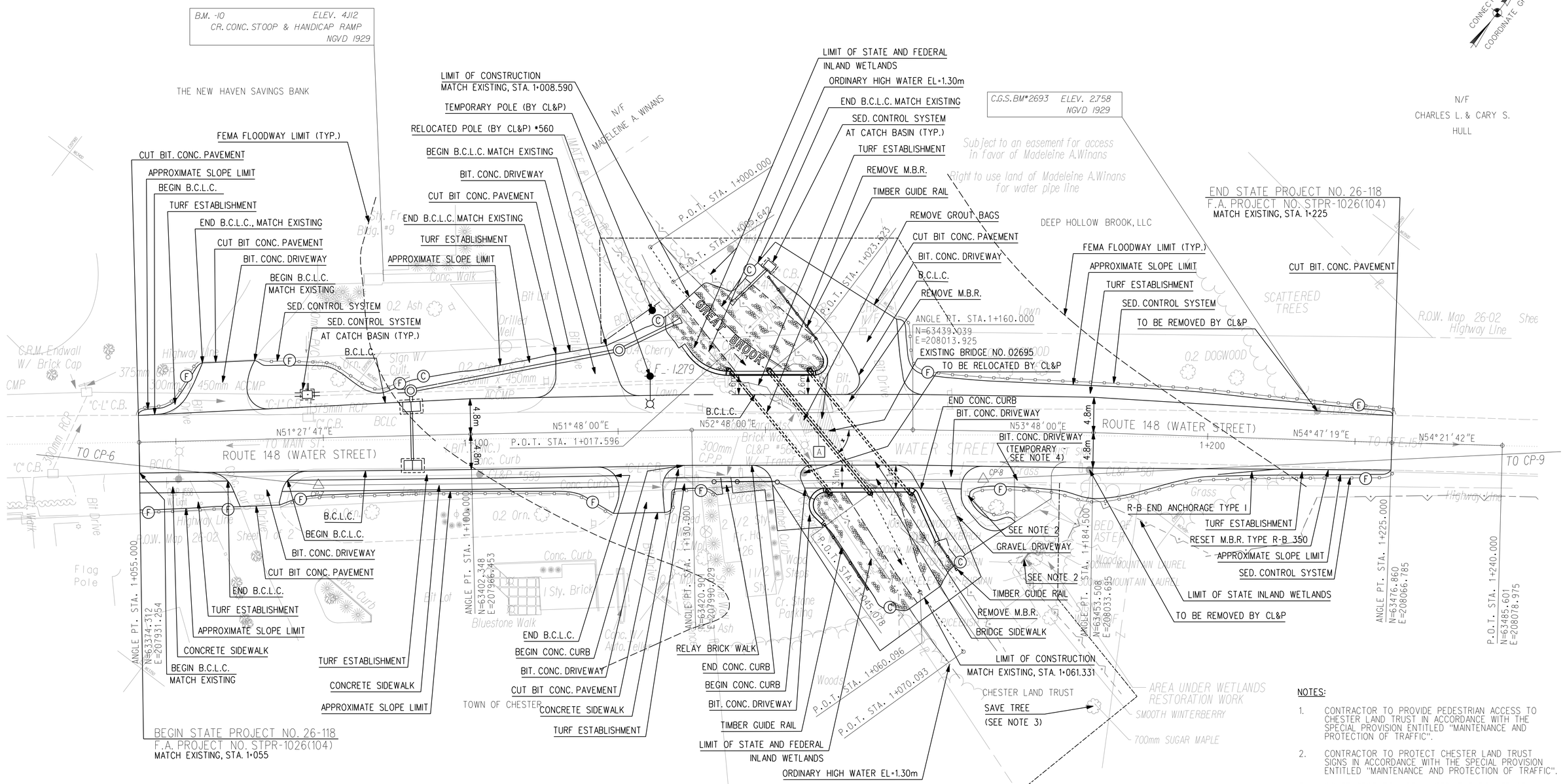
CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE: ROADWAY PLAN

PROJECT NO.: 26-118
DRAWING NO.: HWY-01
SHEET NO.: 03.01

CONSULTANT FILE NAME:
CONSULTANT PROJ. No.:



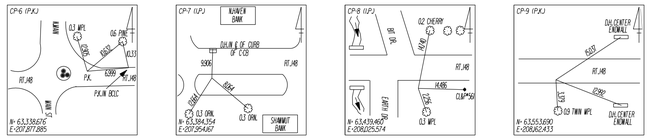
CURBING TABULATION

B.C.L.C.
- STA. 1+055 TO STA. 1+068 RT.
- STA. 1+057 TO STA. 1+064 LT.
- STA. 1+070 TO STA. 1+112 LT.
- STA. 1+074 TO STA. 1+120 RT.
- STA. 1+119 TO STA. 1+153 LT.

CONCRETE CURBING
- STA. 1+125 TO STA. 1+140 RT.
- STA. 1+145 TO STA. 1+161 RT.

SIDEWALK TABULATION

CONCRETE SIDEWALK
- STA. 1+050 TO STA. 1+068 RT.
- STA. 1+074 TO STA. 1+120 RT.
- STA. 1+126 TO STA. 1+141 RT.
- STA. 1+145 TO STA. 1+161 RT.



GREAT BROOK BASE LINE

P.O.T. STA.	NORTHING	EASTING	BEARING
1+005.642	63435.430	207975.892	
			S79°20'15"E
1+017.596	63433.218	207987.639	
			N86°03'33"E
1+023.623	63433.632	207993.652	
			S76°43'15"E
1+045.078	63428.704	208014.533	
			S63°46'41"E
1+060.096	63422.068	208028.005	
			S73°08'28"E
1+070.093	63419.169	208037.573	

LOCATION

A RTE. 148 STA. 1+147.142 ≙ GREAT BROOK STA. 1+033.930
N=63,431.265, E=208,003.683 ∡50°28'44"

NOTES:

1. CONTRACTOR TO PROVIDE PEDESTRIAN ACCESS TO CHESTER LAND TRUST IN ACCORDANCE WITH THE SPECIAL PROVISION ENTITLED "MAINTENANCE AND PROTECTION OF TRAFFIC".
2. CONTRACTOR TO PROTECT CHESTER LAND TRUST SIGNS IN ACCORDANCE WITH THE SPECIAL PROVISION ENTITLED "MAINTENANCE AND PROTECTION OF TRAFFIC".
3. CONTRACTOR TO INSTALL SEDIMENTATION FENCE AROUND DRIP LINE OF 700mm SUGAR MAPLE.
4. FURNISHING, INSTALLING, REMOVAL AND RESTORATION OF TEMPORARY BITUMINOUS CONCRETE DRIVEWAY WILL BE PAID FOR UNDER THE INDIVIDUAL CONTRACT ITEMS FOR THE WORK INVOLVED.
5. SEDIMENTATION CONTROL SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.
6. ENTIRE PROJECT IS LOCATED WITHIN THE FEMA FLOODPLAIN EL=3.29m.

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.
CHECKED BY: D.K.P.
SCALE IN METERS
0 2.5 5 7.5 10 12.5
SCALE 1:250

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT NO. 4142 LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

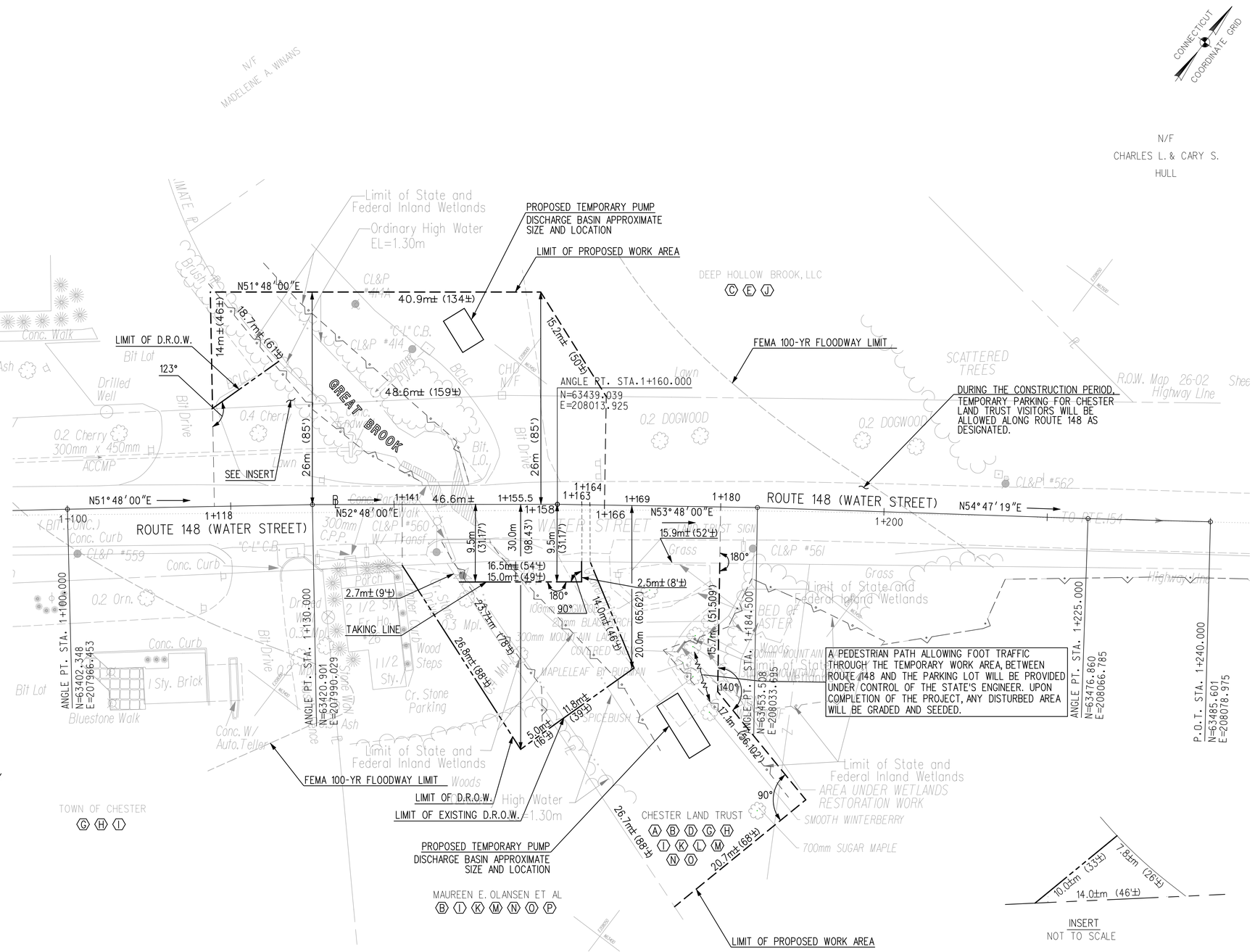
CADD $FILEABBREV$ PLOTTED 8/5/2011

TOWN: CHESTER

DRAWING TITLE: ROADWAY PLAN

PROJECT NO.: 26–118
DRAWING NO.: HWY–02
SHEET NO.: 03.02

CONSULTANT FILE NAME:
CONSULTANT PROJ. No.:



PROPERTY AQUISITION LEGEND

- Ⓐ TAKING AREA REQUIRED.
- Ⓑ DRAINAGE RIGHT OF WAY REQUIRED.
- Ⓒ TEMPORARY EASEMENT FOR TEMPORARY WORK AREA FOR THE CONSTRUCTION OF THE BRIDGE NO. 02695, CT ROUTE 148 OVER GREAT BROOK, INCLUDING INSTALLATION OF TEMPORARY 750MM PIPE, COFFERDAM, DRIVEWAY, AND CONCRETE BARRIER CURB REQUIRED. TEMPORARY WORK AREA EASEMENT TO TERMINATE UPON COMPLETION OF CONSTRUCTION OF BRIDGE NO. 02695 UNLESS SOONER RELEASED BY THE STATE. TEMPORARY WORK AREA TAKEN UNDER THIS PARAGRAPH WILL BE RESTORED BY REMOVAL OF ALL TEMPORARY INSTALLATIONS, INCLUDING EXISTING 300MM P.V.C. WITH C.B. AND INSTALLING PROPOSED 300MM R.C.P. WITH R.C.C.E. AND C.B., PROPOSED DRIVEWAY, PROPOSED B.C.L.C., PROPOSED M.B.R., AND GRADING AND SEEDING DISTURBED AREA.
- Ⓓ TEMPORARY EASEMENT FOR TEMPORARY WORK AREA FOR THE CONSTRUCTION OF BRIDGE NO. 02695, CT. ROUTE 148 OVER GREAT BROOK, INCLUDING INSTALLATION OF TEMPORARY 750MM PIPE, COFFERDAM, AND PUMP DISCHARGE BASIN REQUIRED. TEMPORARY WORK AREA TAKEN UNDER THIS PARAGRAPH WILL BE RESTORED BY REMOVAL OF ALL TEMPORARY INSTALLATIONS, GRADING AND SEEDING THE DISTURBED AREA, ADJUST SIGNS AND REPLACE PLANTINGS.
- Ⓔ EASEMENT TO EXCAVATE BROOK CHANNEL, PLACE MODIFIED RIPRAP, AND REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED.
- Ⓕ TEMPORARY EASEMENT FOR TEMPORARY WORK AREA FOR THE CONSTRUCTION OF BRIDGE NO. 02695, CT. ROUTE 148 OVER GREAT BROOK REQUIRED. THE CONTRACTOR WILL MAINTAIN ACCESS TO WORK AREA UNTIL PLANTINGS ARE INSTALLED AND COMPLETION OF CONSTRUCTION OF BRIDGE NO. 02695 AS DIRECTED BY ENGINEER, TEMPORARY WORK AREA TAKEN UNDER THIS PARAGRAPH WILL BE RESTORED BY REMOVAL OF ALL TEMPORARY INSTALLATIONS, GRADING, SEEDING AND LANDSCAPING THE DISTURBED AREA.
- Ⓖ RIGHT TO GRADE REQUIRED.
- Ⓗ RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED.
- Ⓘ RIGHT TO CONSTRUCT DRIVEWAY REQUIRED.
- Ⓙ RIGHT TO INSTALL M.B.R. AND TERMINAL ELEMENT REQUIRED.
- Ⓚ RIGHT TO REMOVE TREE REQUIRED.
- Ⓛ RIGHT TO INSTALL WOOD RAIL REQUIRED.
- Ⓜ RIGHT TO REMOVE SHRUBS REQUIRED.
- Ⓝ RIGHT TO CONSTRUCT CONCRETE SIDEWALK REQUIRED.
- Ⓞ TEMPORARY RIGHTS OF ACCESS REQUIRED AND DENIED.
- Ⓟ RIGHT TO REMOVE 300MM C.P.P. (CORRUGATED PLASTIC PIPE) REQUIRED.

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.
CHECKED BY: D.K.P.
SCALE IN METERS: 0 2.5 5 7.5 10 12.5
SCALE 1:250

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 02695 ROUTE 148 OVER GREAT BROOK

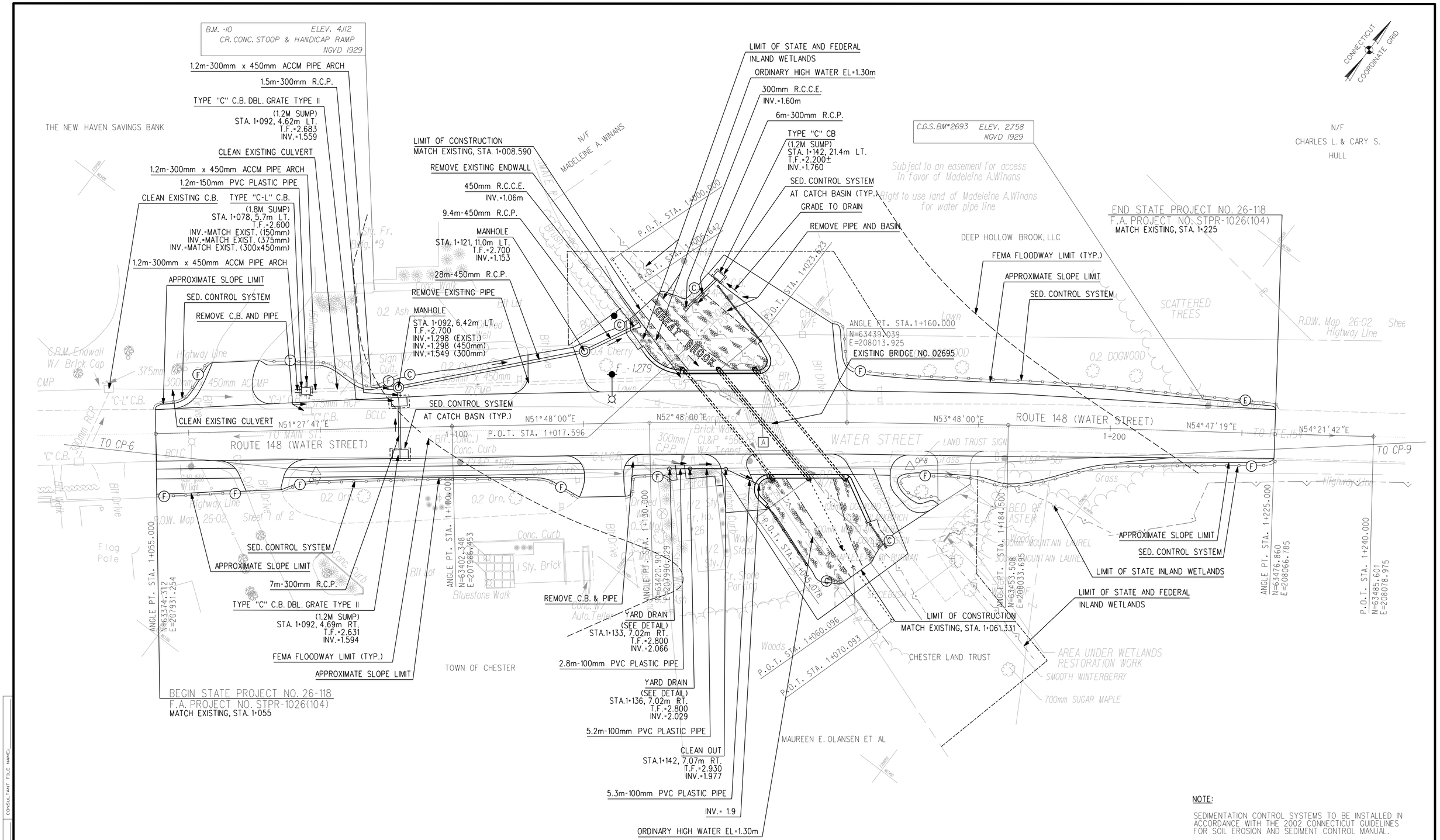
CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE: RIGHT OF WAY PLAN

PROJECT NO.: 26–118
DRAWING NO.: ROW–01
SHEET NO.: 03.03

CONSULTANT FILE NAME:
CONSULTANT PROJ. No.:



NOTE:

SEDIMENTATION CONTROL SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS
0 2.5 5 7.5 10 12.5
SCALE 1:250

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED 8/5/2011

TOWN: CHESTER

DRAWING TITLE: DRAINAGE PLAN

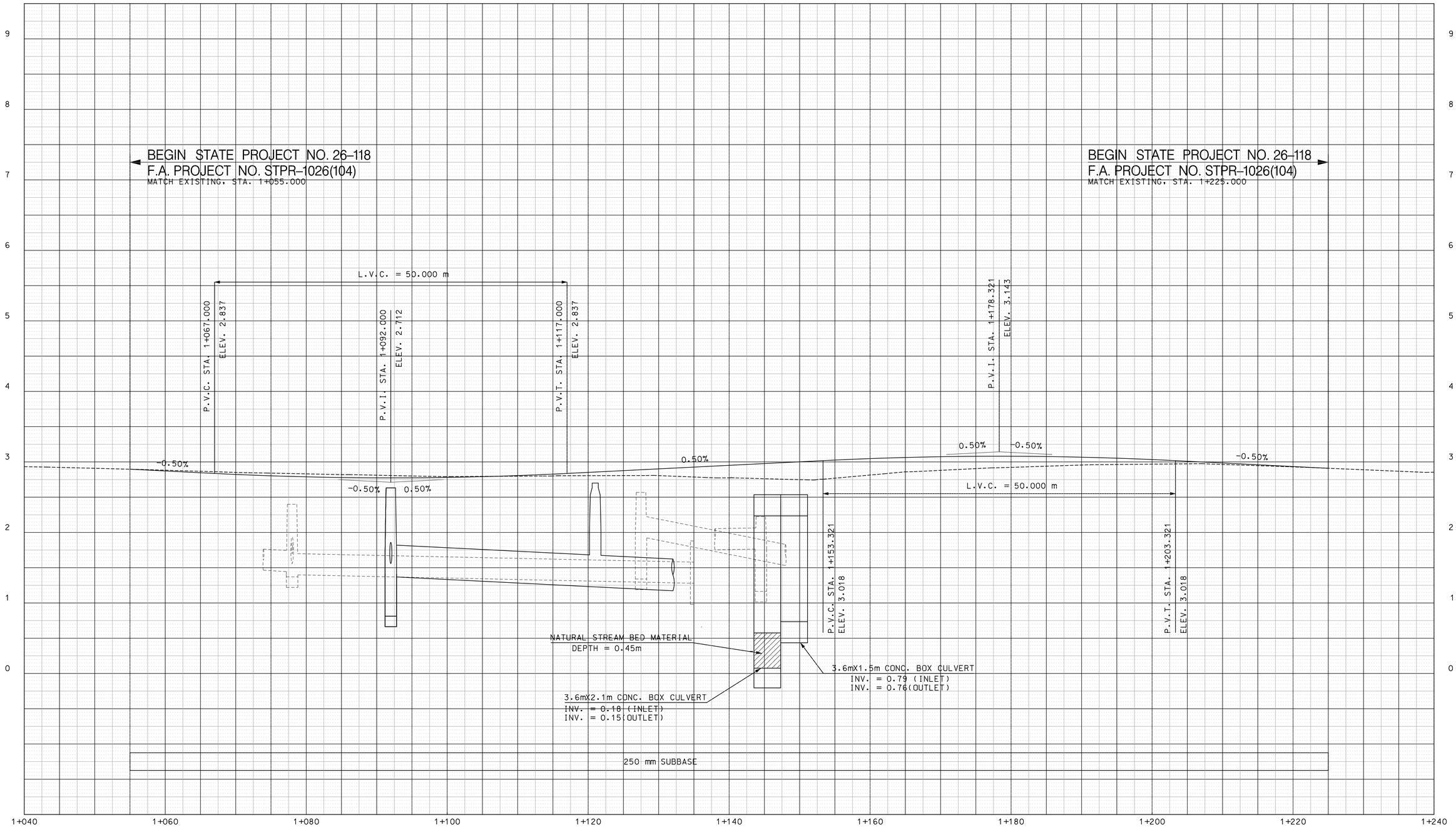
PROJECT NO.: 26–118

DRAWING NO.: DRG–01

SHEET NO.: 03.04

CONSULTANT FILE NAME:

CONSULTANT PROJ. No.:



CONSULTANT FILE NAME:

CONSULTANT PROJ. No.:

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

HORIZ. SCALE 1:250
VERT. SCALE 1:25

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD PLOTTED

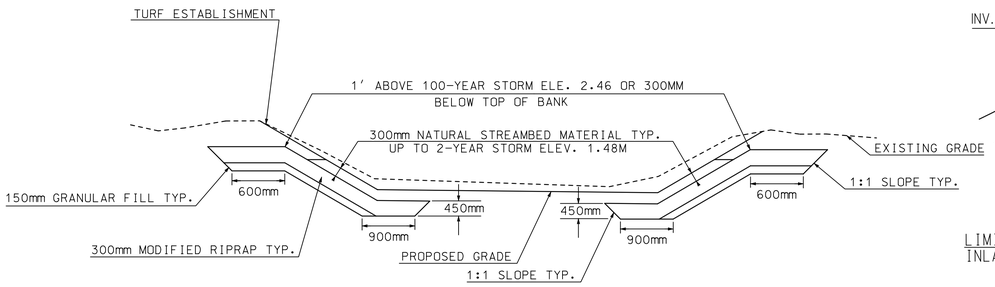
TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 PROFILE

PROJECT NO.: 26–118

DRAWING NO.: PRO–01

SHEET NO.: 03.05

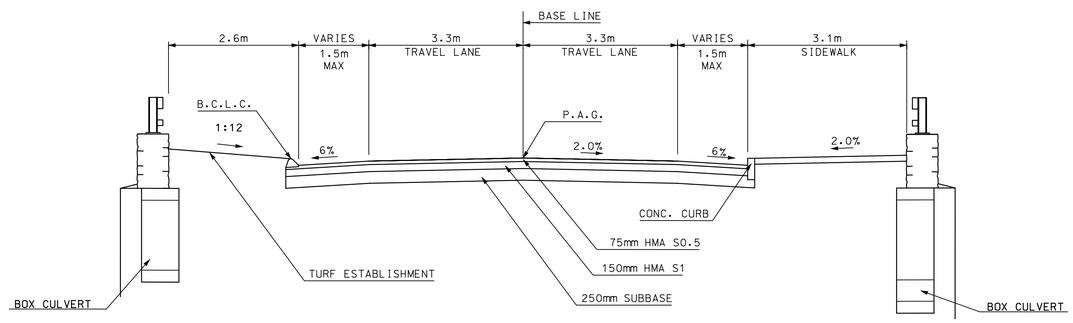


NOTES FOR GREAT BROOK TYPICAL SECTION

1 : FOR GRADING ALONG THE BOTTOM OF THE BROOK. SEE GRADING PLAN.
2 : MAXIMUM SIDE SLOPE IS 2:1.
3 : PROVIDE 300MM NATURAL STREAMBED MATERIAL COVER OVER RIPRAP UP TO 2-YEAR STORM ELEV. 1.48M.
4 : WIDTH OF THE BROOK VARIES. SEE CROSS SECTIONS.

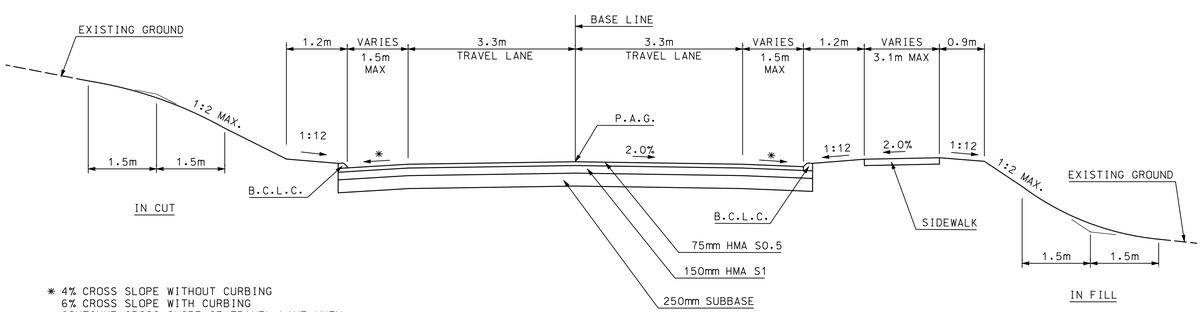
GREAT BROOK TYPICAL SECTION

NOT TO SCALE



ROUTE 148 OVER CULVERT

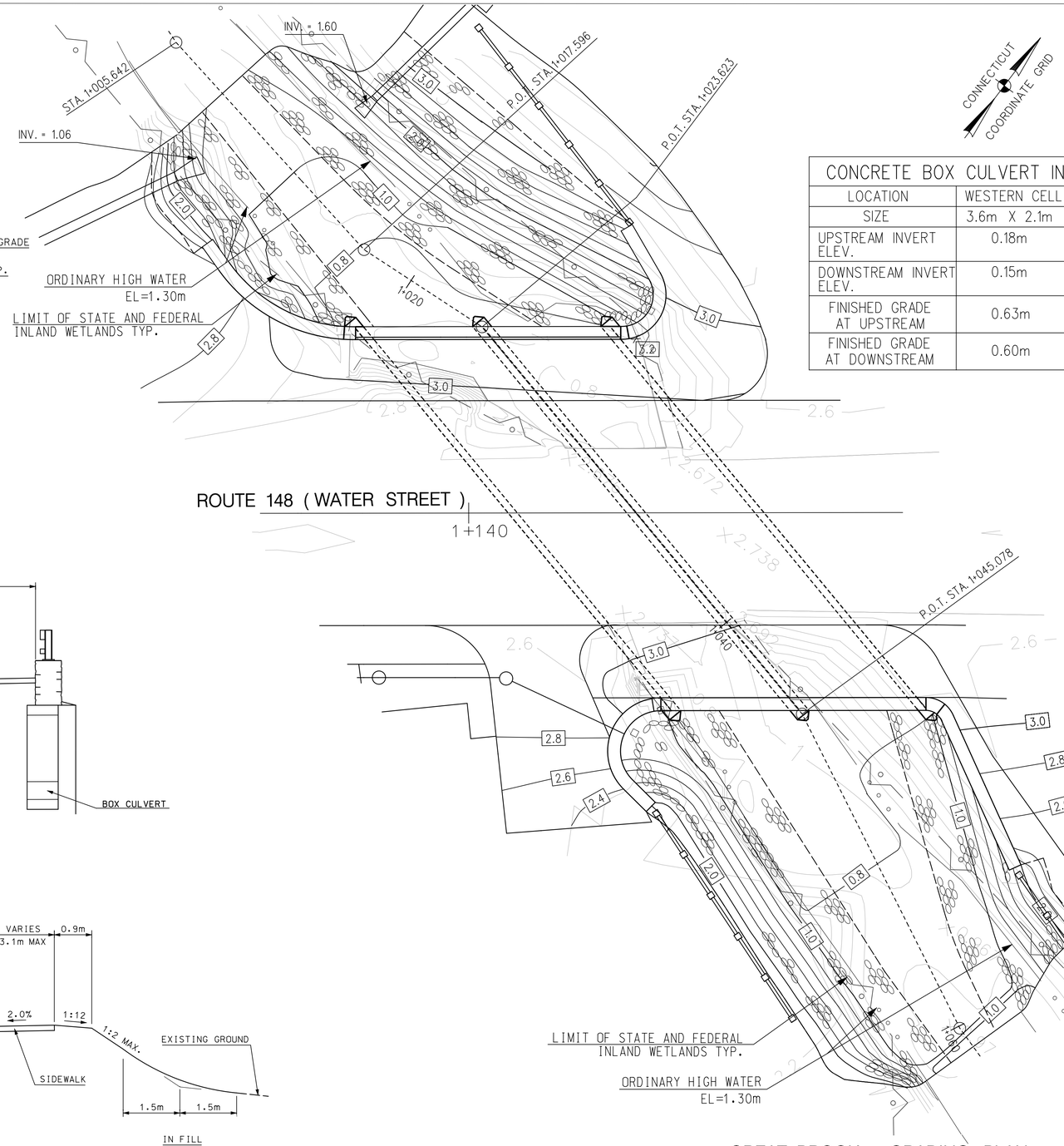
NOT TO SCALE



* 4% CROSS SLOPE WITHOUT CURBING
6% CROSS SLOPE WITH CURBING
CONTINUE CROSS SLOPE OF TRAVEL LANE WHEN SHOULDER WIDTH IS LESS THEN 1.2m.

ROUTE 148 TYPICAL SECTION

NOT TO SCALE



GREAT BROOK – GRADING PLAN

SCALE IN METERS = 1:100

CONCRETE BOX CULVERT INFORMATION		
LOCATION	WESTERN CELL	EASTERN CELL
SIZE	3.6m X 2.1m	3.6m X 1.5m
UPSTREAM INVERT ELEV.	0.18m	0.79m
DOWNSTREAM INVERT ELEV.	0.15m	0.76m
FINISHED GRADE AT UPSTREAM	0.63m	0.79m
FINISHED GRADE AT DOWNSTREAM	0.60m	0.76m

CONSULTANT PROJ. No:
CONSULTANT FILE NAME:

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.
CHECKED BY: D.K.P.
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

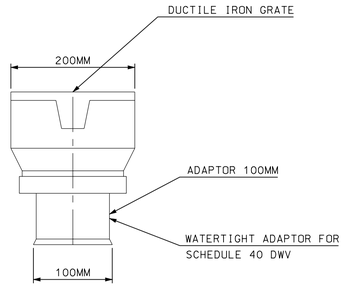
PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

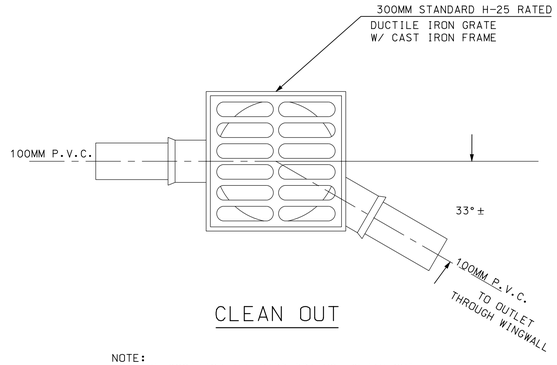
TOWN: CHESTER

DRAWING TITLE:
GRADING PLAN FOR GREAT BROOK
AND TYPICAL SECTIONS

PROJECT NO.: 26–118
DRAWING NO.: MDS–01
SHEET NO.: 03.06



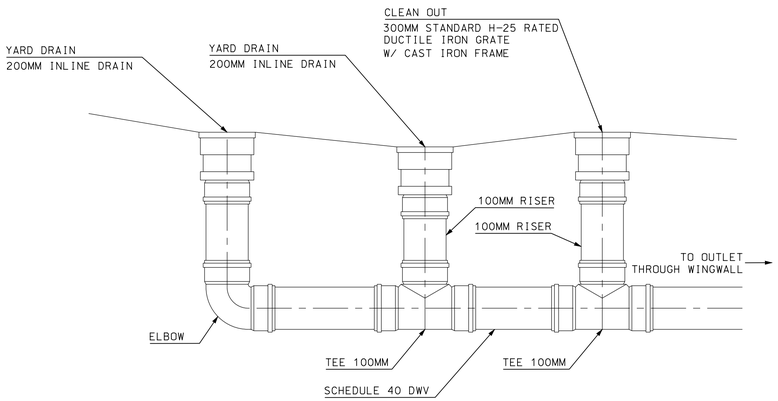
YARD DRAIN



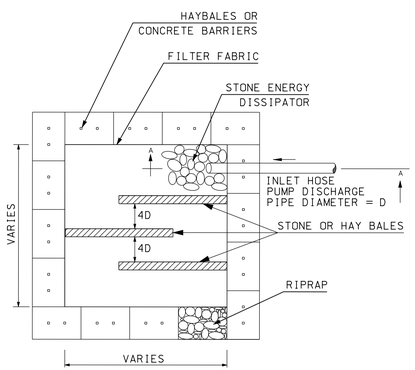
CLEAN OUT

NOTE:
THE COST FOR ALL YARD DRAINS, CLEAN OUT, TEES, AND ELBOWS SHALL BE INCLUDED IN THE COST OF 100MM P.V.C. PIPE.

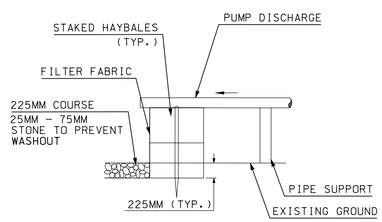
YARD DRAIN DETAILS



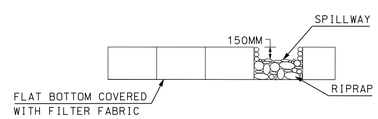
PROFILE



PLAN



SECTION A-A

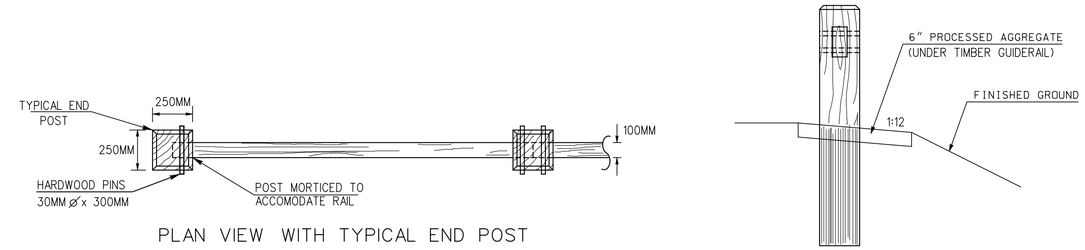


ELEVATION

NOTES:

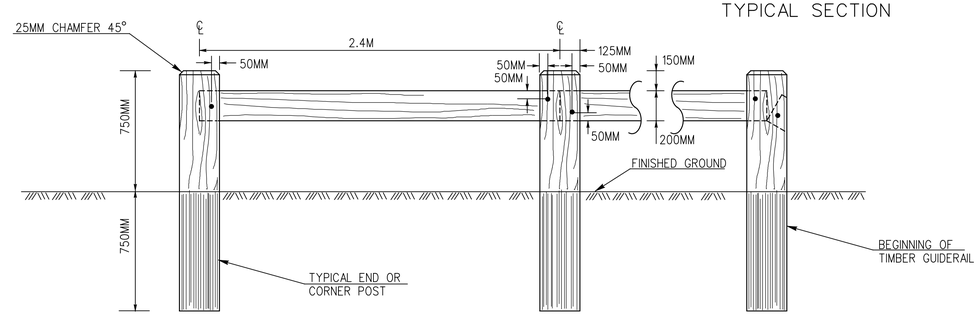
1. CONTRACTOR TO BRACE HAY BALES AS REQUIRED FOR STABILITY.
2. HEIGHT MAY VARY DEPENDENT UPON DE-WATERING RATE.
3. VOLUME OF BASIN IS EQUAL TO THE MAXIMUM VOLUME OF WATER CAPABLE OF BEING PUMPED OVER ONE HOUR. THIS VOLUME CAN BE DETERMINED BY PUMP MANUFACTURER'S SPECIFICATIONS. IF PUMPING VOLUME EXCEEDS BASIN CAPACITY, BASIN MAY BE USED IN TANDEM OR IN TIERS.
4. PUMP SETTING BASIN SHALL BE USED TO HANDLE WASTEWATER FROM DEWATERING OPERATIONS IN SITUATIONS WHERE WASTEWATER CANNOT BE PUMPED DIRECTLY TO A SEDIMENT TRAP OR BASIN. BASIN SHALL BE LOCATED OUTSIDE OF WETLANDS, AND BUFFERS.

TEMPORARY PUMP DISCHARGE/
DEWATERING BASIN DETAILS



PLAN VIEW WITH TYPICAL END POST

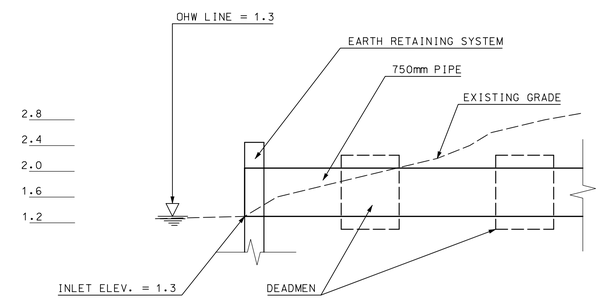
TYPICAL SECTION



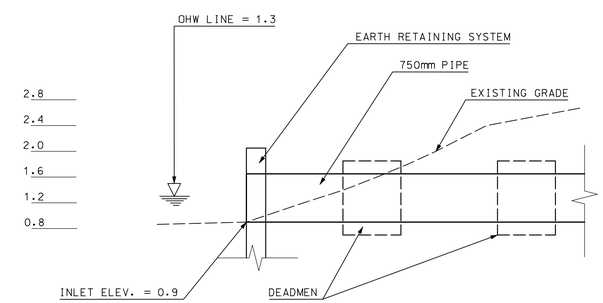
ELEVATION

NOTE:
CONSTRUCTED OF SOLID SOUTHERN YELLOW PINE OR DOUGLAS FIR, ROUGH SAWN TEXTURE.

TIMBER BEAM RAIL DETAIL



TEMPORARY 750mm PIPE INLET DETAIL



TEMPORARY 750mm PIPE OUTLET DETAIL

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: R.F.
CHECKED BY: W.S.
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
APPROVED BY: DATE:

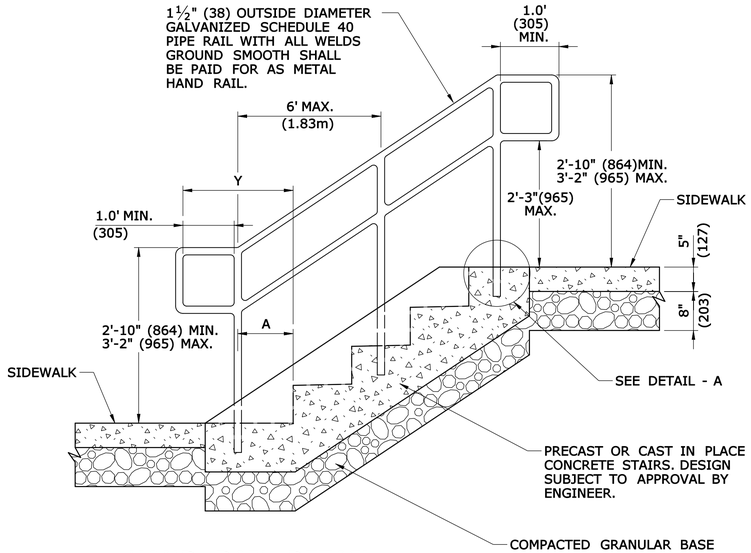
Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 02695 ROUTE 148 OVER GREAT BROOK
CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER
DRAWING TITLE: MISCELLANEOUS DETAILS

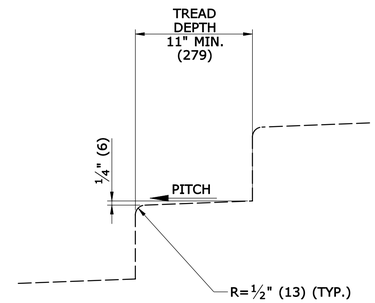
PROJECT NO.: 26-118
DRAWING NO.: MDS-02
SHEET NO.: 03.07

CONSULTANT FILE NAME:
CONSULTANT PROJ. No.:



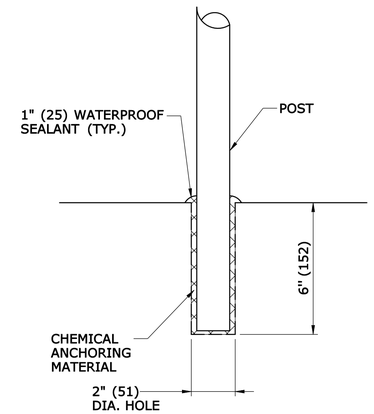
HAND RAIL DETAIL

A = WIDTH OF ONE TREAD REQUIRED AT EACH BOTTOM RISER.
Y = THE MINIMUM HANDRAIL EXTENSON OF 1'-0" (305) + A.



TYPICAL STEP DETAIL

ALL TREADS SHALL BE PITCHED ¼" (6) (SEE NOTE 5)



DETAIL A
POST HOLE AT LANDINGS

(TYPICAL FOR ALL POSTS)

GENERAL NOTES:

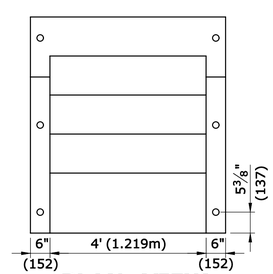
1. A HAND RAIL IS REQUIRED ON BOTH SIDES OF STEPS WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE HIGHEST WALKING SURFACE AND THE LOWEST WALKING SURFACE IS GREATER THAN 30" (762).
2. POSTS SHALL BE NO MORE THAN 6' (1.83m) APART.
3. THE RAILING BASE CONNECTIONS SHALL BE DESIGNED TO PROVIDE STRENGTH FOR A 251.8 POUND (114.2kg) FORCE APPLIED IN ANY LOCATION OR DIRECTION ON THE RAIL.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STEEL POSTS AND HANDRAIL ELEMENTS INCLUDING A LAYOUT FOR REVIEW AND APPROVAL.
5. ALL STEPS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE A MINIMUM OF 4" (102) HIGH TO A MAXIMUM OF 7" (178) HIGH. TREADS SHALL BE A MINIMUM OF 11" (279) DEEP MEASURED FROM RISER TO RISER.
6. THESE DETAILS WERE DEVELOPED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) HANDBOOK DATED 1998 AND 2000.

STEPS CONFORMING TO 1½:1 SLOPE

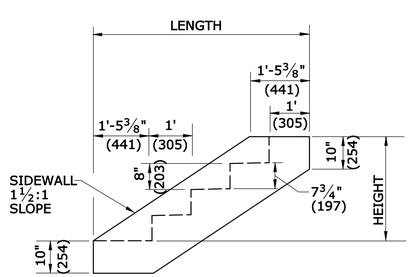
HEIGHT	LENGTH	NUMBER RISERS	VOLUME OF STEPS (CU.YDS.) (m^3)	HEIGHT	LENGTH	NUMBER RISERS	VOLUME OF STEPS (CU.YDS.) (m^3)
0'-8" (203)	2'-5⅜" (746)	1	0.474 (0.436)	6'-0" (1829)	10'-5⅜" (3186)	9	2.564 2.316
1'-4" (406)	3'-5⅜" (1051)	2	0.718 (0.671)	6'-8" (2032)	11'-5⅜" (3489)	10	2.831 (2.551)
2'-0" (610)	4'-5⅜" (1356)	3	0.962 (0.906)	7'-4" (2235)	12'-5⅜" (3794)	11	3.098 (2.768)
2'-8" (813)	5'-5⅜" (1661)	4	1.229 (1.141)	8'-0" (2438)	13'-5⅜" (4101)	12	3.365 (3.021)
3'-4" (1016)	6'-5⅜" (1965)	5	1.496 (1.376)	8'-8" (2642)	14'-5⅜" (4404)	13	3.632 (3.256)
4'-0" (1219)	7'-5⅜" (2270)	6	1.763 (1.611)	9'-4" (2845)	15'-5⅜" (4709)	14	3.899 (3.491)
4'-8" (1422)	8'-5⅜" (2575)	7	2.030 (1.846)	10'-0" (3048)	16'-5⅜" (5013)	15	4.166 (3.726)
5'-4" (1626)	9'-5⅜" (2880)	8	2.297 (2.081)	10'-8" (3251)	17'-5⅜" (5318)	16	4.433 (3.961)

ADD 0.244 CU.YDS. (0.18 CU.MS.) FOR EACH ADDITIONAL RISER

STEPS WITH 1 1/2 : 1 SIDEWALL SLOPE

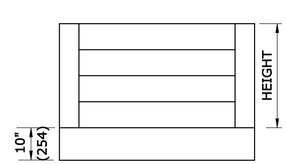


PLAN VIEW



SIDE VIEW

ALL TREADS SHALL BE PITCHED ¼" (6)



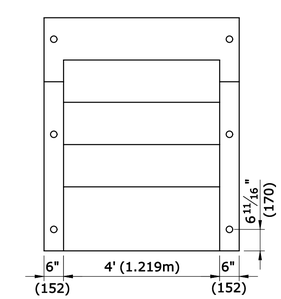
FRONT VIEW

STEPS WITH 2:1 SIDEWALL SLOPE

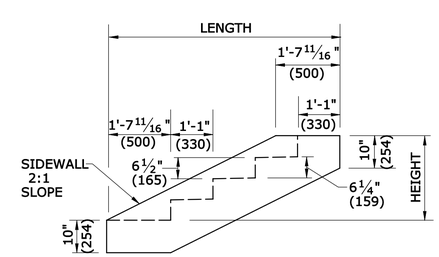
HEIGHT	LENGTH	NUMBER RISERS	VOLUME OF STEPS (CU.YDS.) (m^3)	HEIGHT	LENGTH	NUMBER RISERS	VOLUME OF STEPS (CU.YDS.) (m^3)
0'-6½" (165)	2'-8 11/16" (830)	1	0.494 (0.346)	4'-10½" (1486)	11'-4 11/16" (3472)	9	2.580 (2.098)
1'-1" (330)	3'-9 11/16" (1160)	2	0.736 (0.565)	5'-5" (1651)	12'-5 11/16" (3802)	10	2.847 (2.317)
1'-7½" (495)	4'-10 11/16" (1491)	3	0.978 (0.784)	5'-11½" (1816)	13'-6 11/16" (4132)	11	3.114 (2.536)
2'-2" (660)	5'-11 11/16" (1821)	4	1.245 (1.003)	6'-6" (1981)	14'-7 11/16" (4462)	12	3.381 (2.755)
2'-8½" (825)	7'-0 11/16" (2151)	5	1.512 (1.222)	7'-0½" (2146)	15'-8 11/16" (4792)	13	3.648 (2.974)
3'-3" (990)	8'-1 11/16" (2481)	6	1.779 (1.441)	7'-7" (2311)	16'-9 11/16" (5123)	14	3.915 (3.193)
3'-9½" (1156)	9'-2 11/16" (1811)	7	2.046 (1.660)	8'-1½" (2476)	17'-10 11/16" (5453)	15	4.182 (3.412)
4'-4" (1321)	10'-3 11/16" (3141)	8	2.313 (1.879)	8'-8" (2642)	18'-11 11/16" (5783)	16	4.449 (3.631)

ADD 0.242 CU.YDS. (0.18 CU.MS.) FOR EACH ADDITIONAL RISER

STEPS WITH 2 : 1 SIDEWALL SLOPE

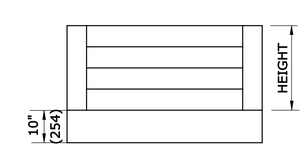


PLAN VIEW



SIDE VIEW

ALL TREADS SHALL BE PITCHED ¼" (6)



FRONT VIEW

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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-	-	-	-
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: $DATE$

DESIGNER/DRAFTER: R.F/J.F.
CHECKED BY: W.S.
NTS

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: $FILEA$

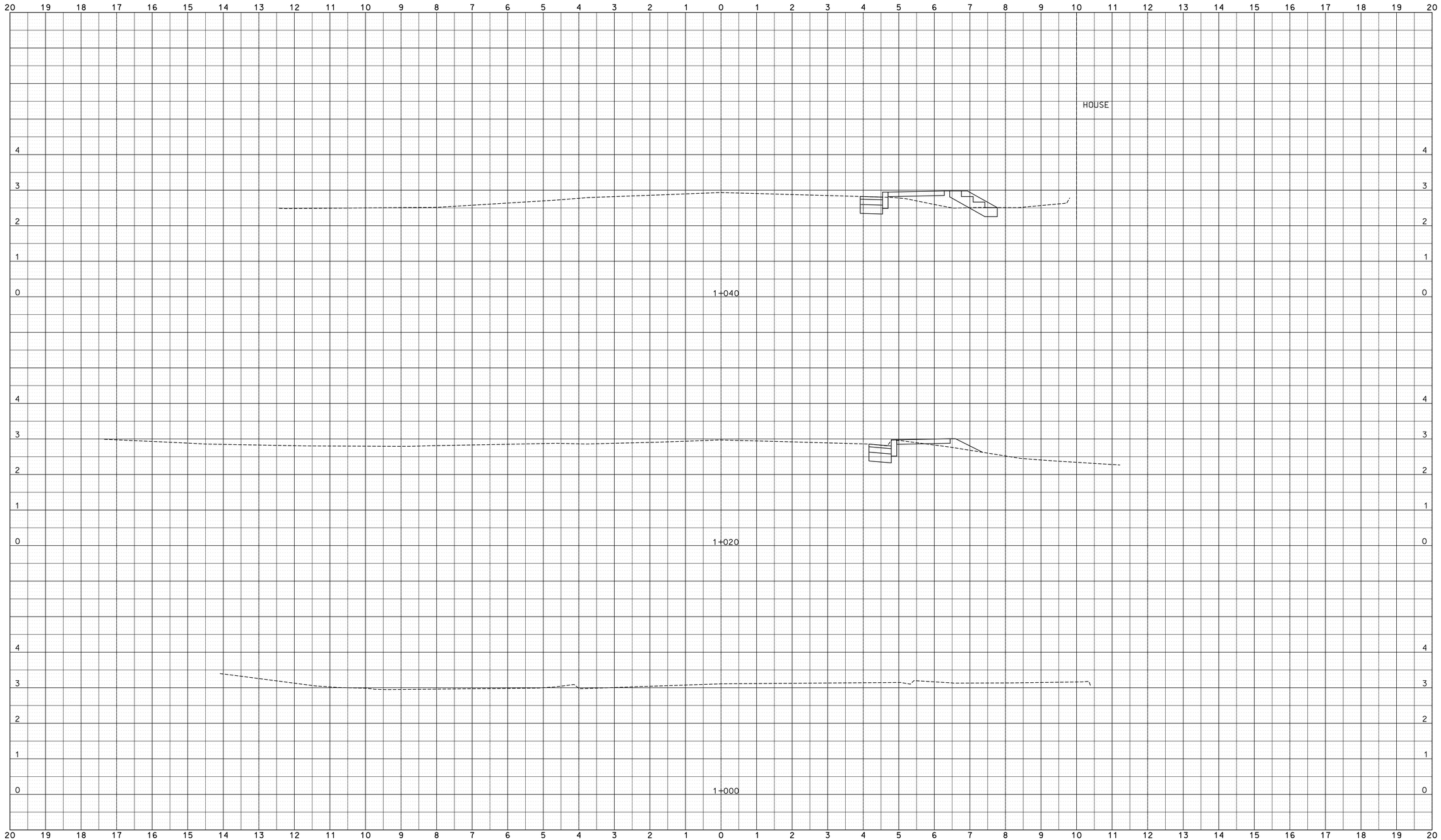
SIGNATURE/BLOCK:
Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02695
ROUTE 148 OVER GREAT BROOK

TOWN: CHESTER

DRAWING TITLE: CONCRETE STEPS

PROJECT NO. 26-118
DRAWING NO. MDS-03
SHEET NO. 03.08



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT JOHN H. MILLER NO. 4142 LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE: ROUTE 148 CROSS SECTIONS
STA. 1+000 – STA. 1+040

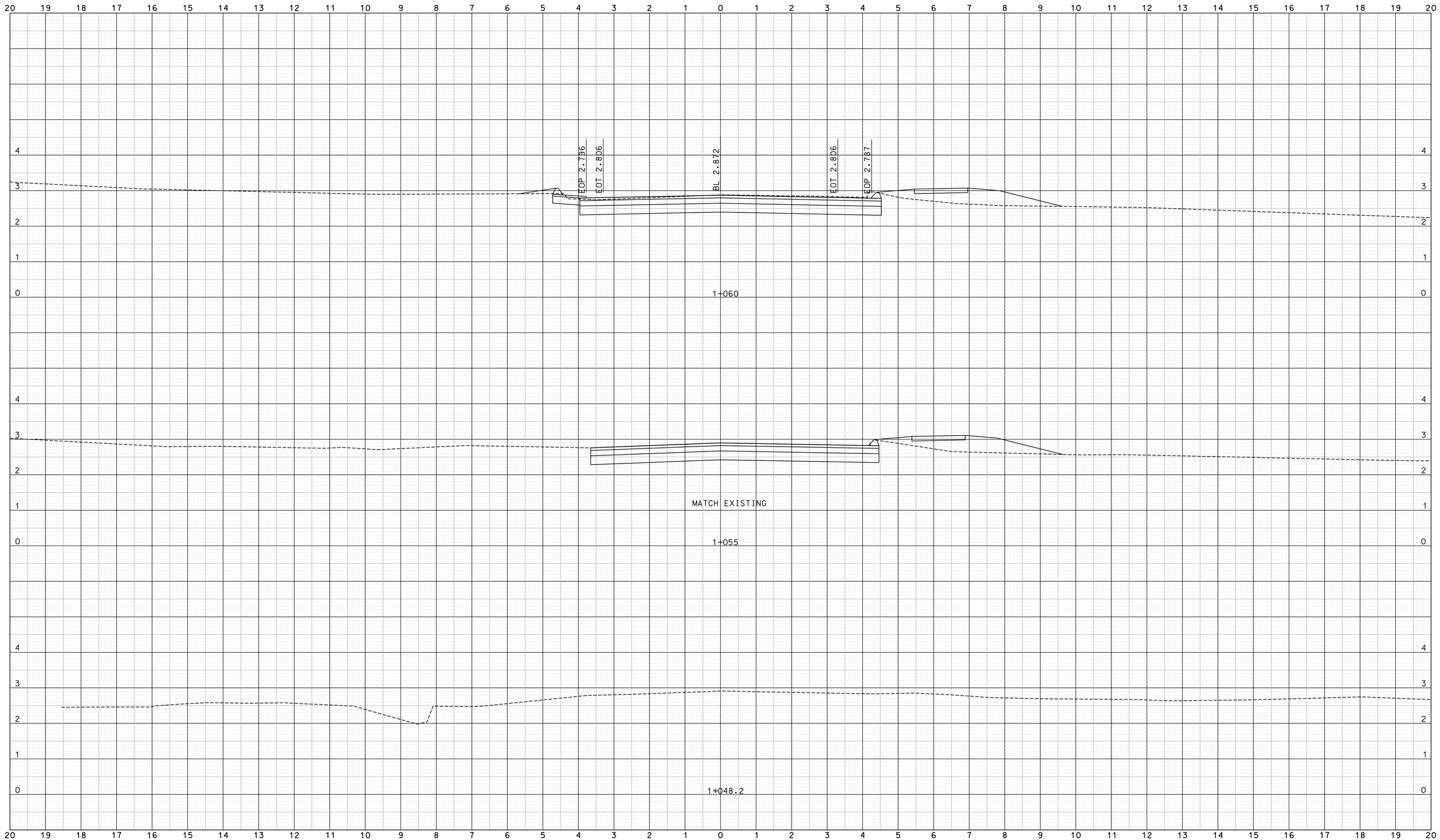
PROJECT NO.: 26–118

DRAWING NO.: XSC–01

SHEET NO.: 03.09

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 CROSS SECTIONS
STA. 1+048.2 – STA. 1+060

PROJECT NO.: 26–118

DRAWING NO.: XSC–02

SHEET NO.: 03.10

CONSULTANT PROJ. No.

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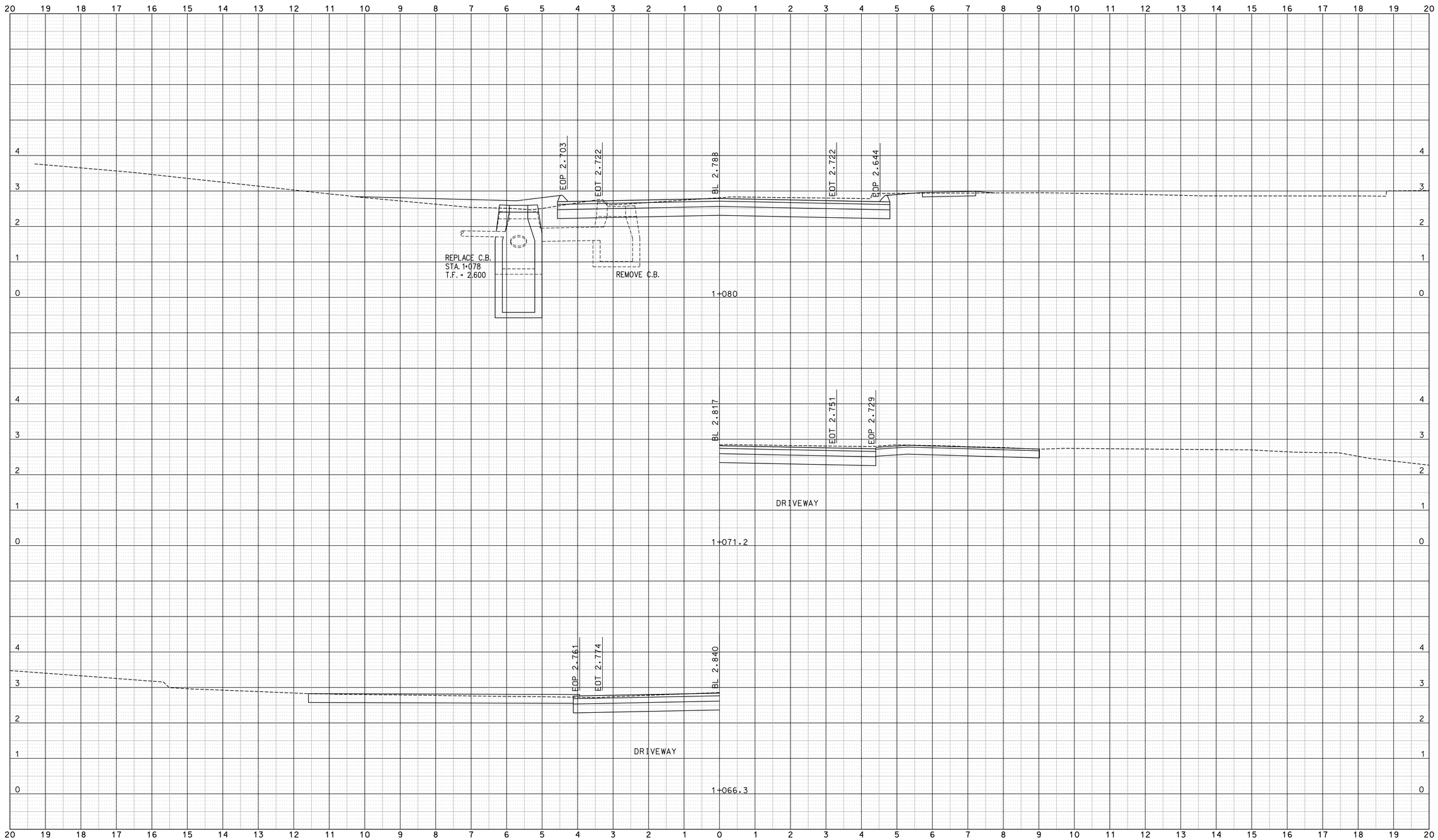

REV.	DATE	DESCRIPTION	DRWG. NO.

REVISIONS

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT · JOHN H. MILLER · NO. 4142 · LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE: ROUTE 148 CROSS SECTIONS
STA. 1+066.3 – STA. 1+080

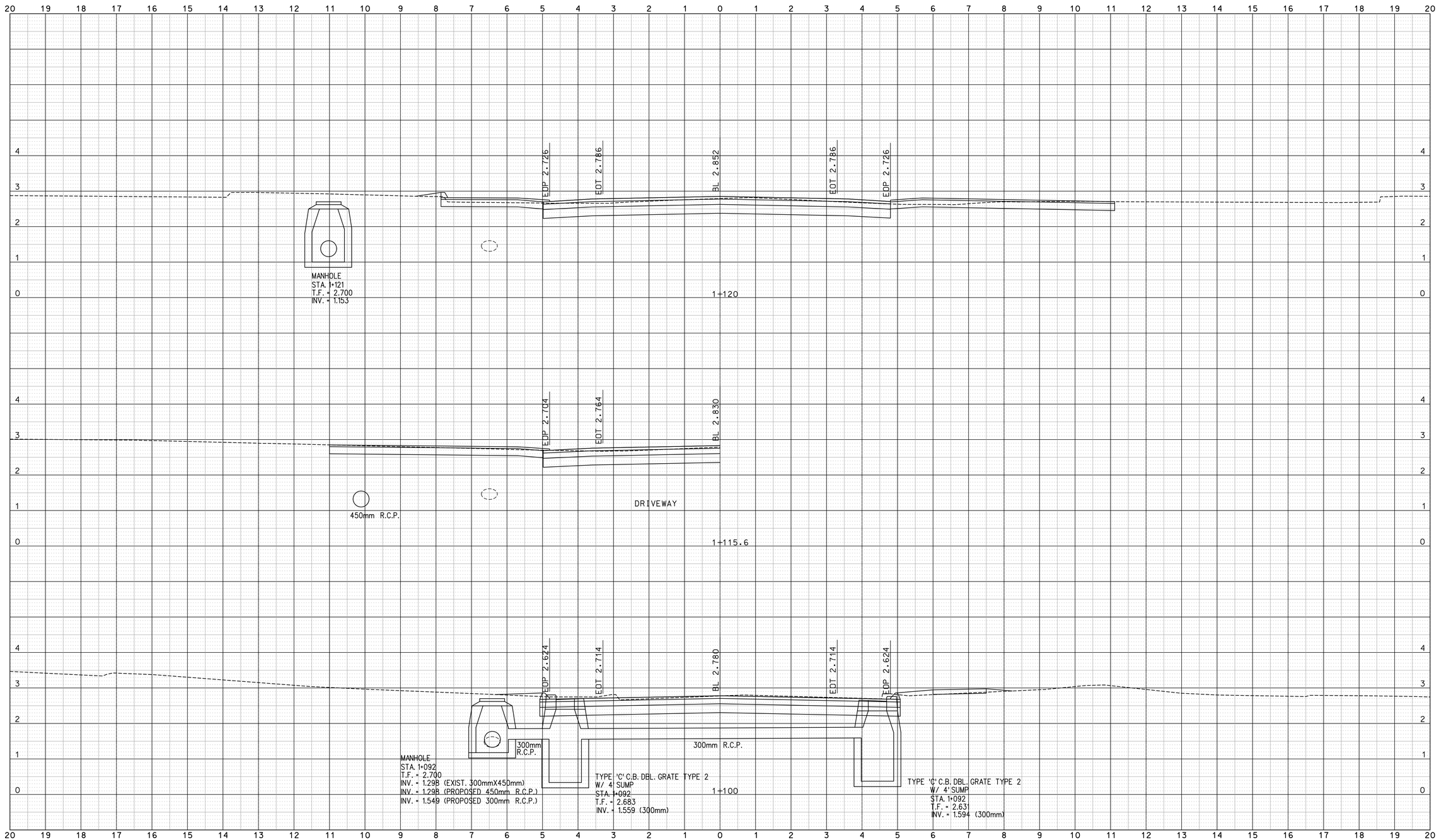
PROJECT NO.: 26–118

DRAWING NO.: XSC–03

SHEET NO.: 03.11

CONSULTANT FILE NAME:

CONSULTANT PROJ. No.:



CONSULTANT FILE NAME:

CONSULTANT PROJ. No.:

REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS: 0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY:

DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

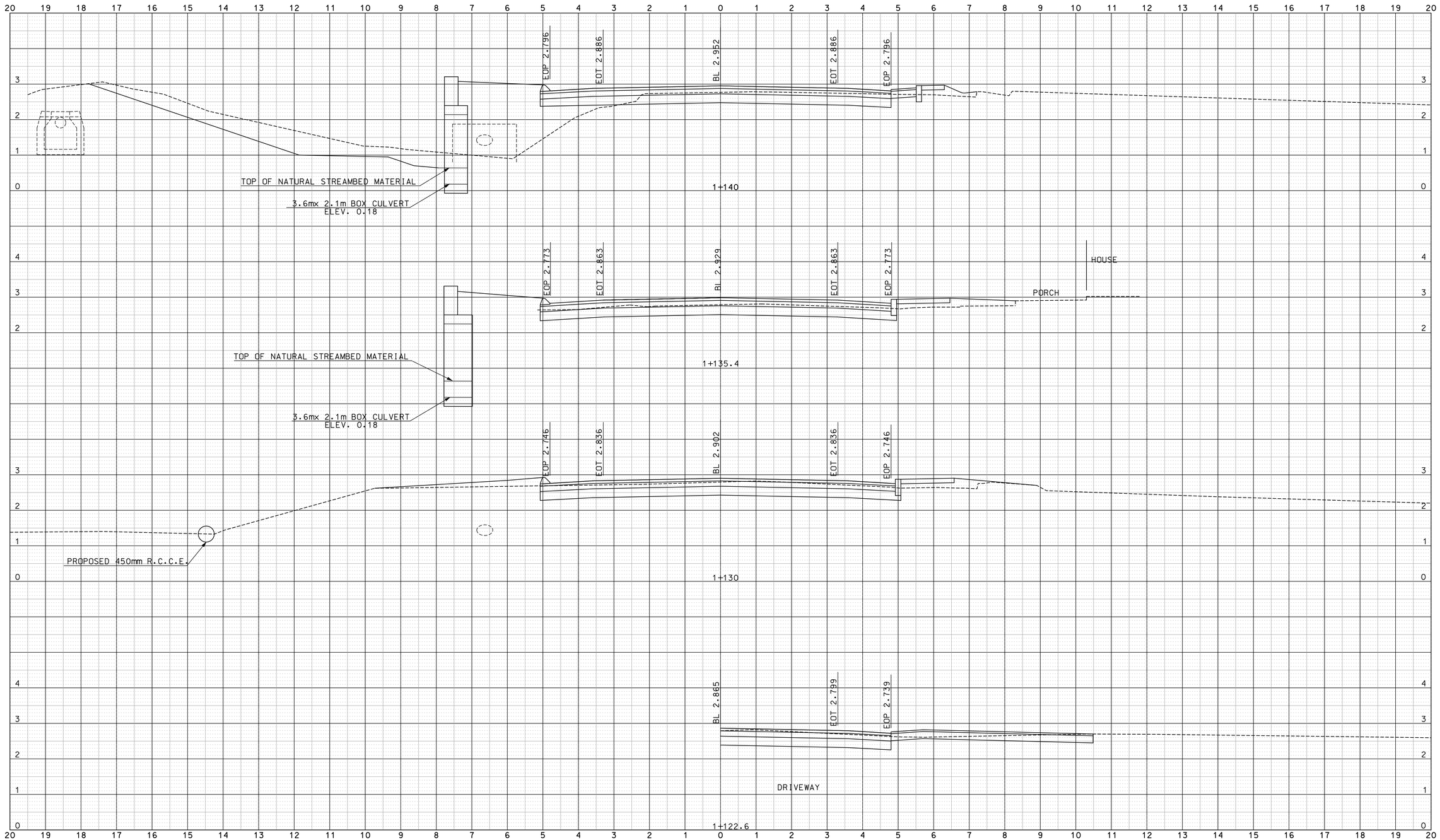
TOWN: CHESTER

DRAWING TITLE: ROUTE 148 CROSS SECTIONS
STA. 1+100 – STA. 1+120

PROJECT NO.: 26–118

DRAWING NO.: XSC–04

SHEET NO.: 03.12



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

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SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 CROSS SECTIONS
STA. 1+122.6 – STA. 1+140

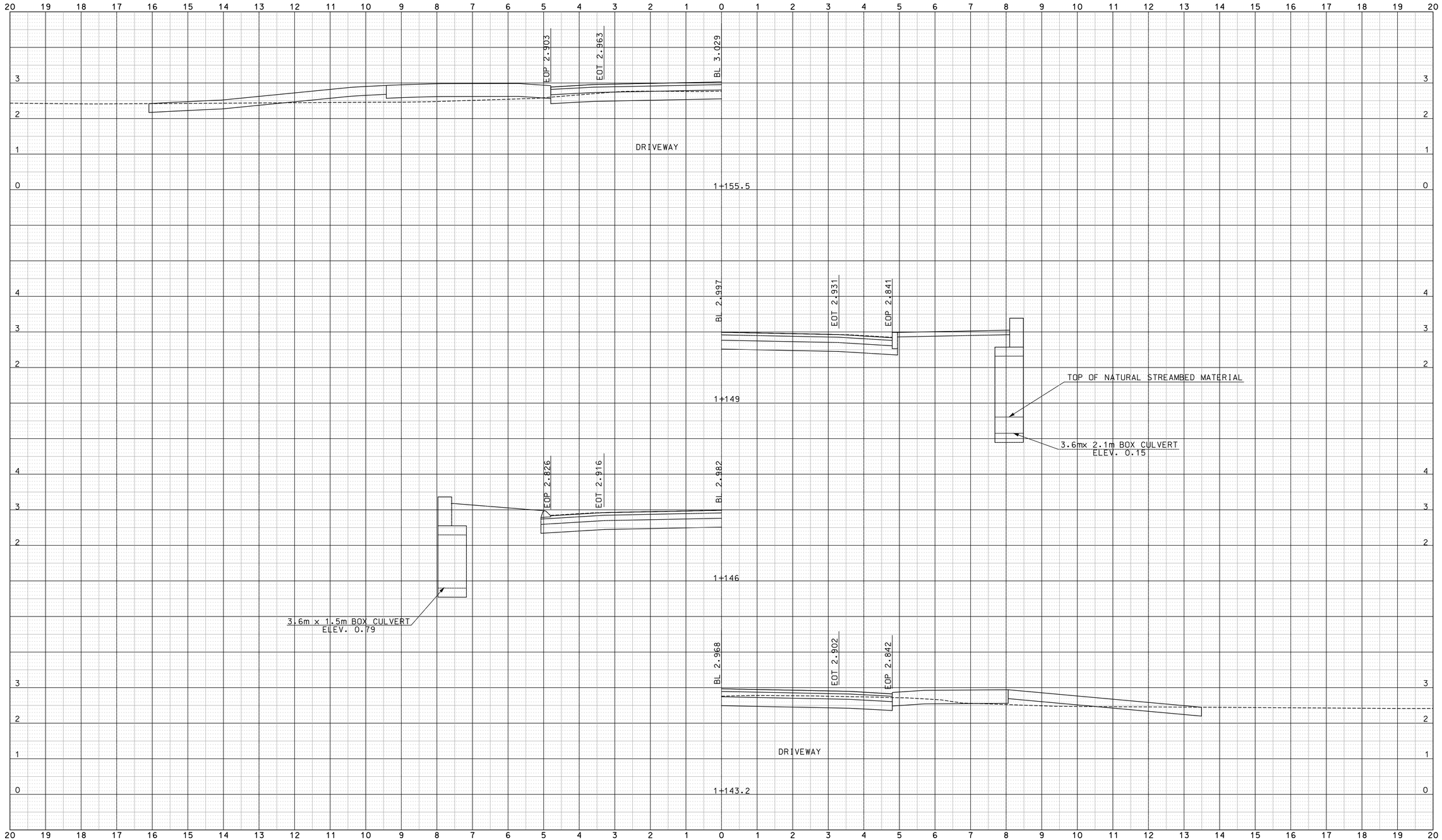
PROJECT NO.: 26–118

DRAWING NO.: XSC–05

SHEET NO.: 03.13

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



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CHECKED BY: D.K.P.

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SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT JOHN H. MILLER NO. 4142 LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 CROSS SECTIONS
STA. 1+143.2 – STA. 1+155.5

PROJECT NO.: 26–118

DRAWING NO.: XSC–06

SHEET NO.: 03.14

CONSULTANT PROJ. No.

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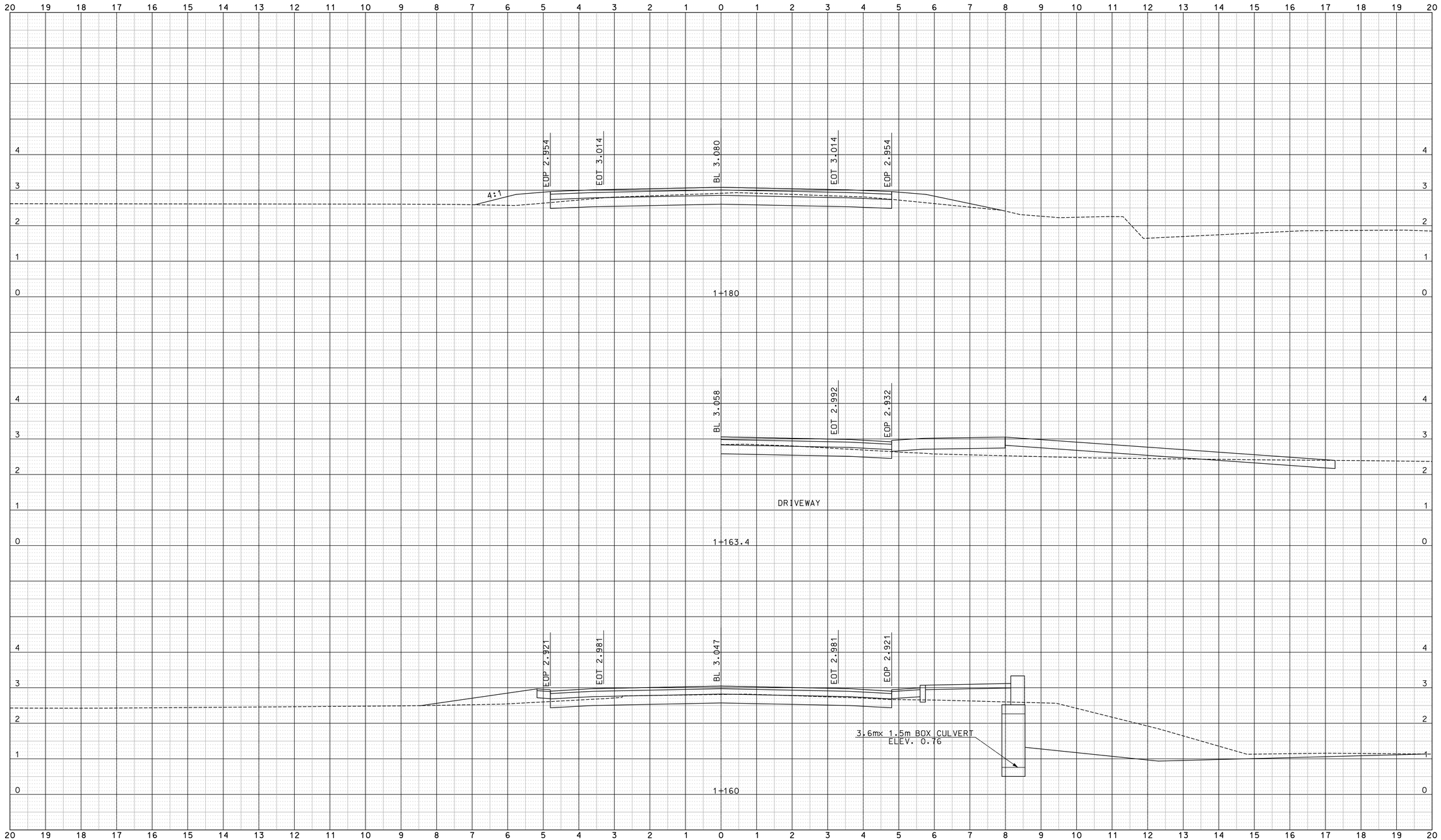

REV.	DATE	DESCRIPTION	DRWG. NO.
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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS 0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE: ROUTE 148 CROSS SECTIONS
STA. 1+160 – STA. 1+180

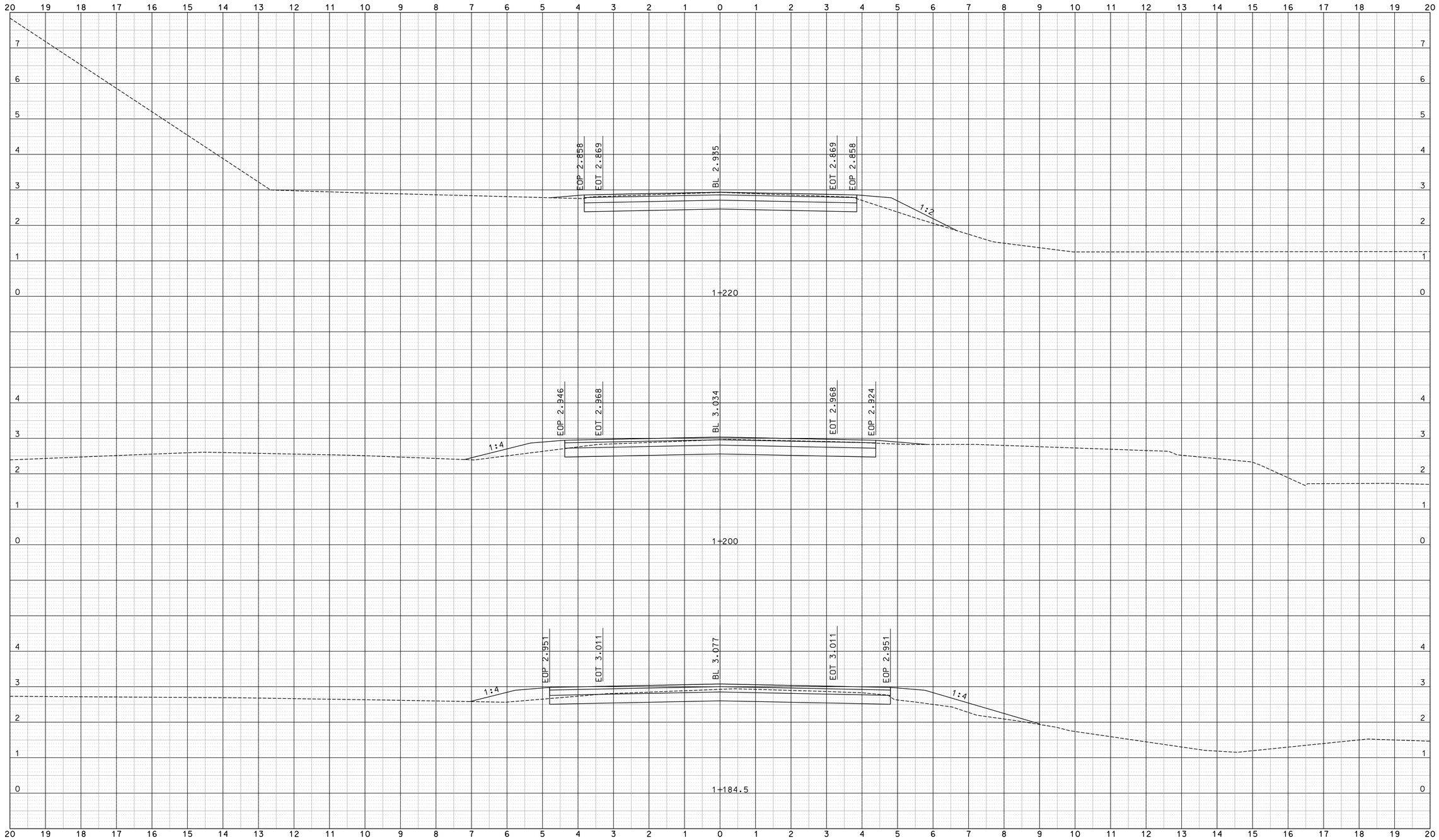
PROJECT NO.: 26–118

DRAWING NO.: XSC–07

SHEET NO.: 03.15

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT JOHN H. MILLER NO. 4142 LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 CROSS SECTIONS
STA. 1+184.5 – STA. 1+220

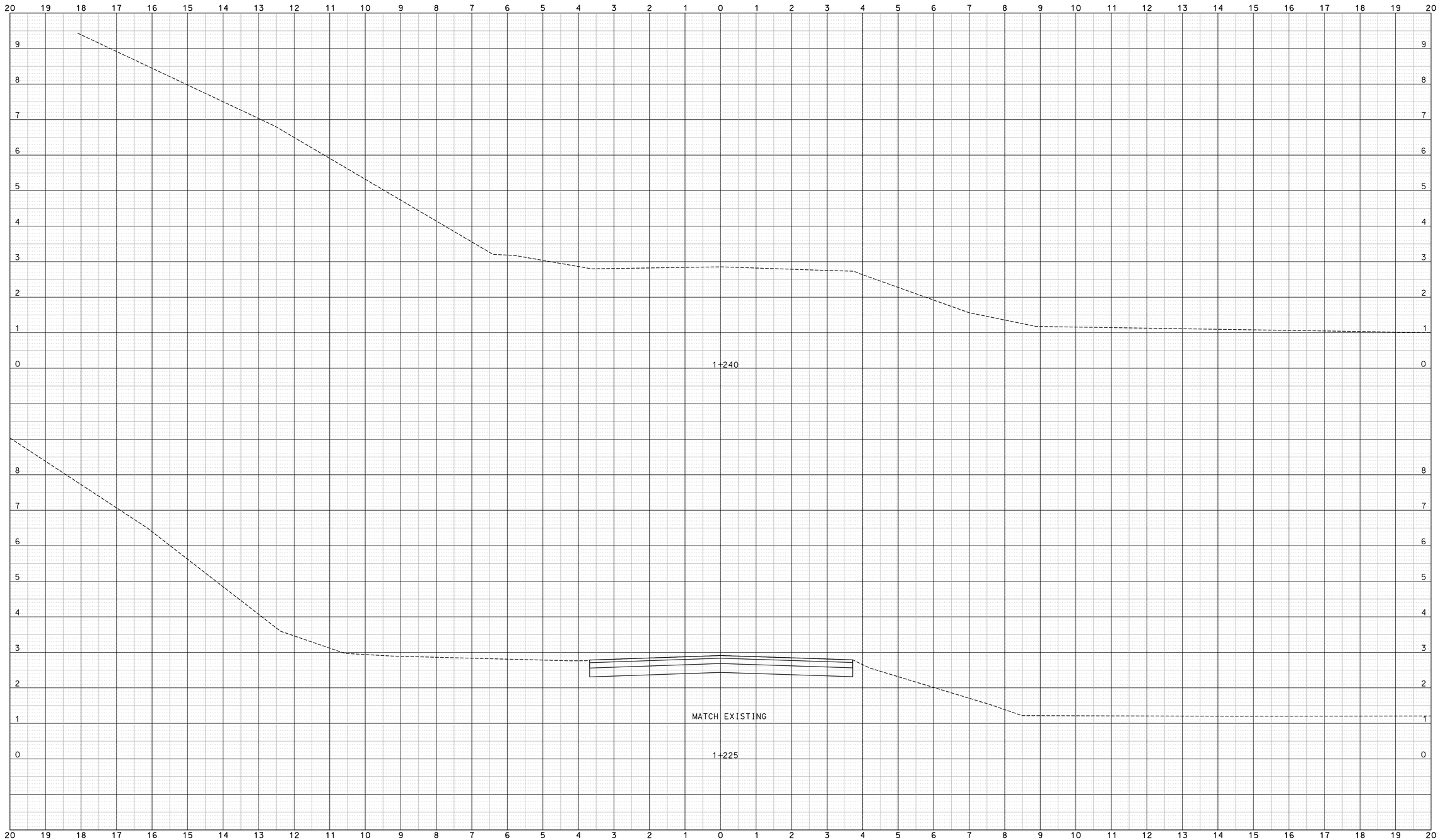
PROJECT NO.: 26–118

DRAWING NO.: XSC–08

SHEET NO.: 03.16

CONSULTANT PROJ. No.

CONSULTANT FILE NAME(s)



REV.	DATE	DESCRIPTION	DRWG. NO.
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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
ROUTE 148 CROSS SECTIONS
STA. 1+225 – STA. 1+240

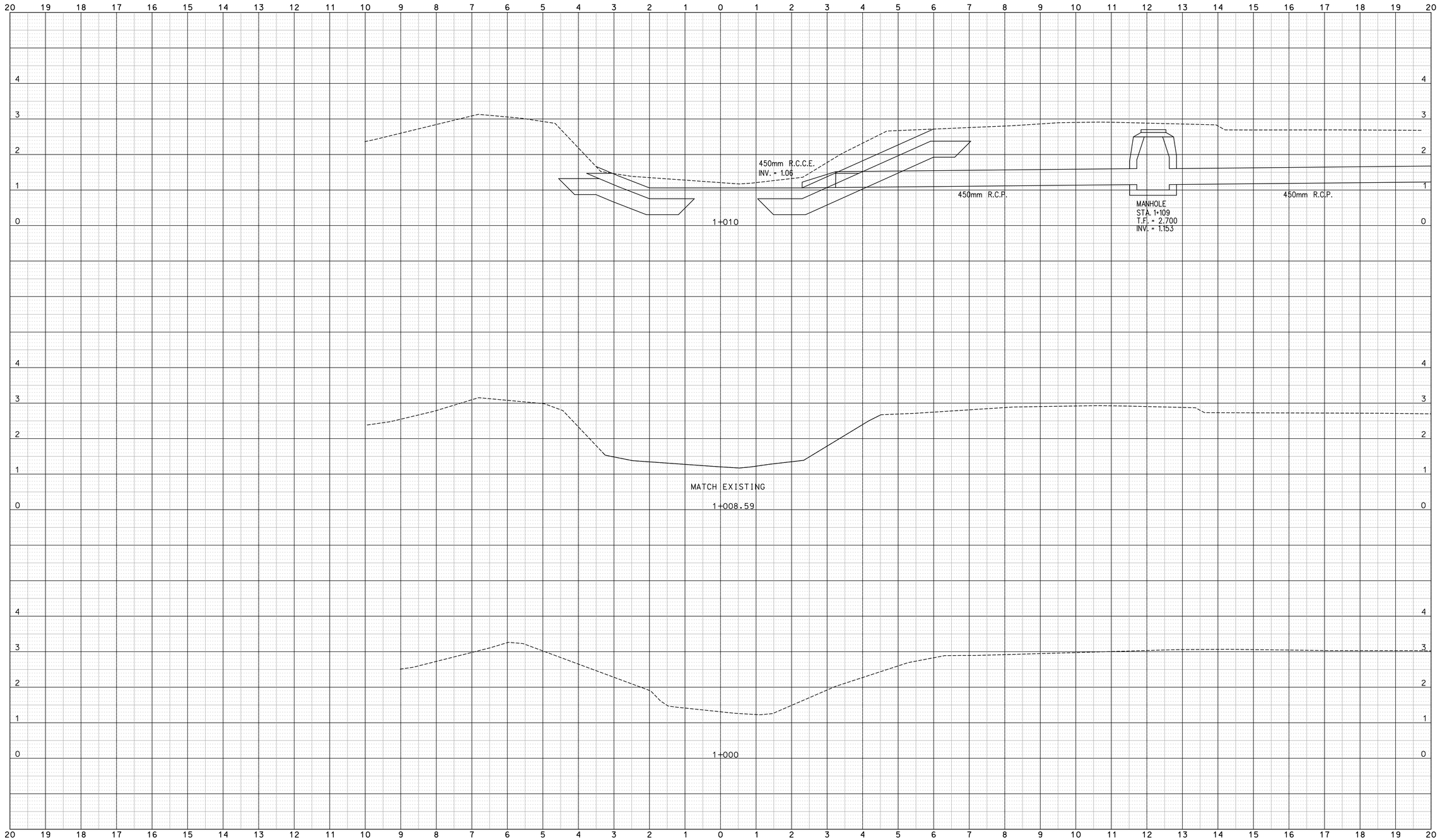
PROJECT NO.: 26–118

DRAWING NO.: XSC–09

SHEET NO.: 03.17

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS
0 .5 1 1.5 2 2.5
SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
GREAT BROOK CROSS SECTIONS
STA. 1+000 – STA. 1+010

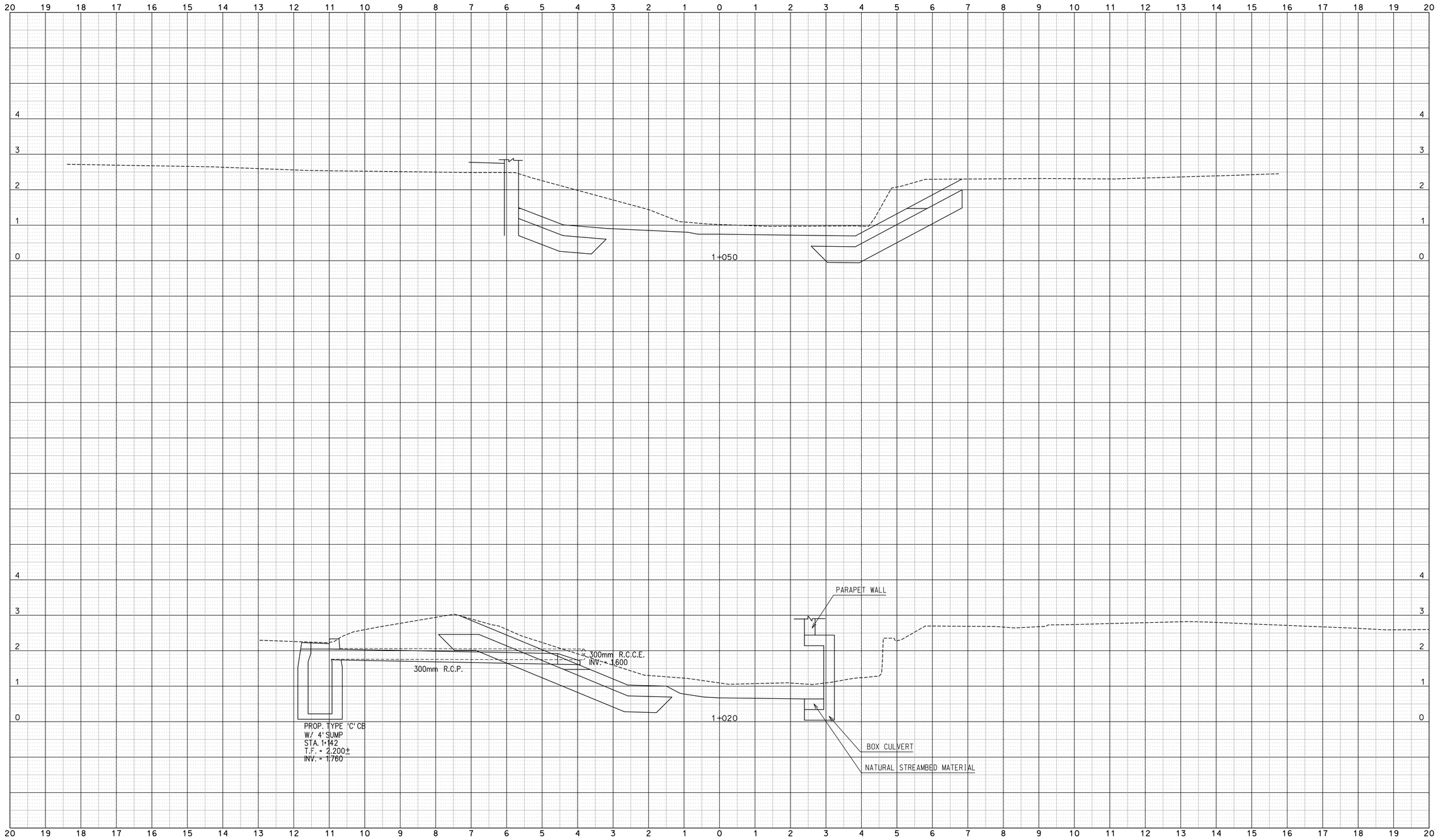
PROJECT NO.: 26–118

DRAWING NO.: XSC–10

SHEET NO.: 03.18

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
GREAT BROOK CROSS SECTIONS
STA. 1+020 – STA. 1+050

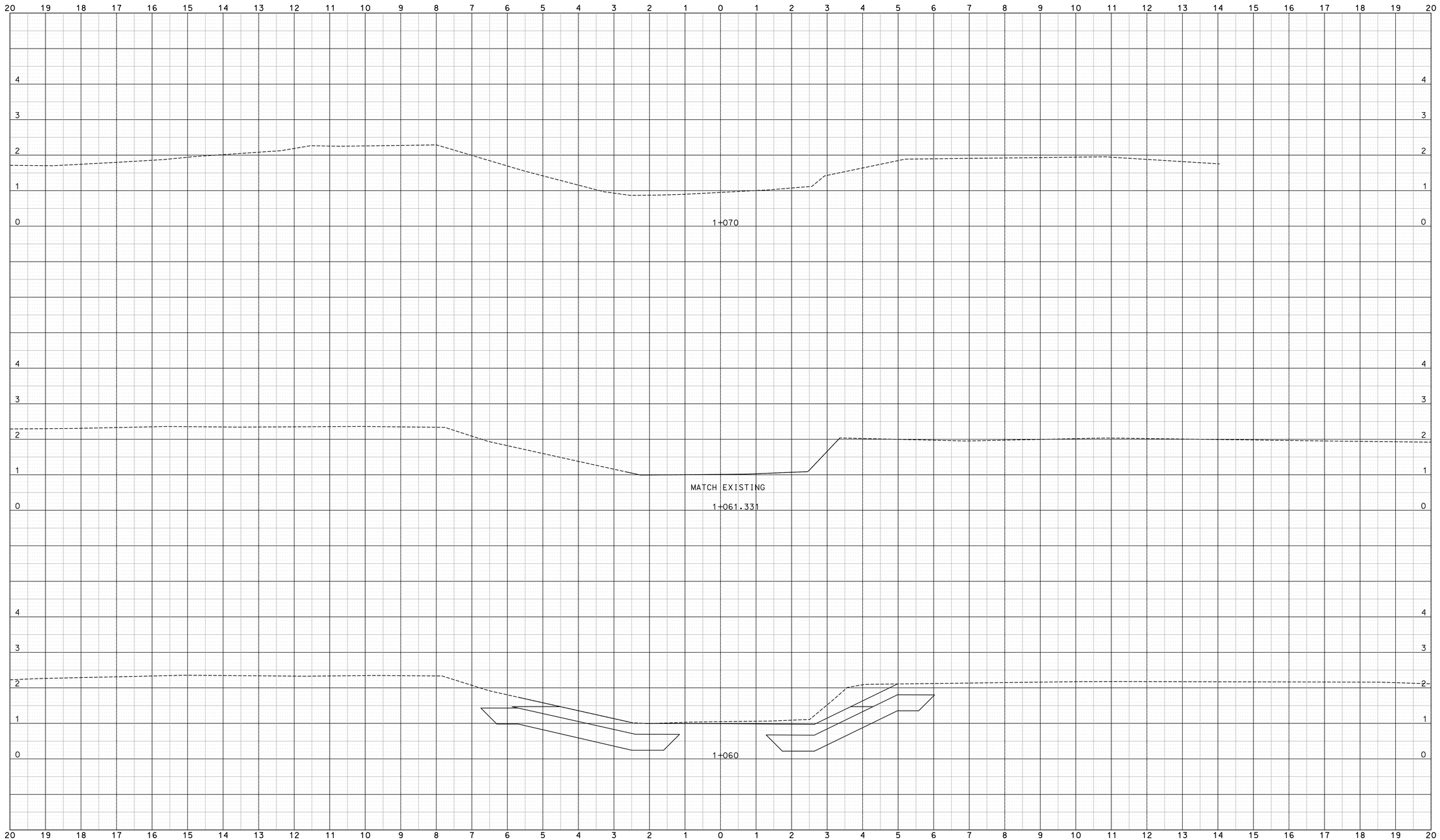
PROJECT NO.: 26–118

DRAWING NO.: XSC–11

SHEET NO.: 03.19

CONSULTANT PROJ. No.

CONSULTANT FILE NAME



REV.	DATE	DESCRIPTION	DRWG. NO.
		REVISIONS	

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DESIGNER: P.C.

CHECKED BY: D.K.P.

SCALE IN METERS

0 .5 1 1.5 2 2.5

SCALE 1:50

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

APPROVED BY: DATE:

STATE OF CONNECTICUT JOHN H. MILLER NO. 4142 LICENSED PROFESSIONAL ENGINEER

Close, Jensen and Miller, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109

PROJECT TITLE:
REPLACEMENT OF BRIDGE
NO. 02695
ROUTE 148 OVER GREAT BROOK

CADD $FILEABBREV$ PLOTTED $DATE$

TOWN: CHESTER

DRAWING TITLE:
GREAT BROOK CROSS SECTIONS
STA. 1+060 – STA. 1+070

PROJECT NO.: 26–118

DRAWING NO.: XSC–12

SHEET NO.: 03.20

CONSULTANT PROJ. No.

CONSULTANT FILE NAME