SUBSET 05 - CONSTRUCTION ACCESS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
ACS-01	INDEX OF CONSTRUCTION ACCESS DRAWINGS		
ACS-02	CONSTRUCTION ACCESS		
ACS-03	WATER HANDLING		
ACS-04	CONSTRUCTION ACCESS - SOUTHBOUND PROFILE		
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ACS-06	SOUTHBOUND CROSS SECTIONS 101+00 - 103+50		
ACS-07	SOUTHBOUND CROSS SECTIONS 104+00 - 106+00		
ACS-08	NORTHBOUND CROSS SECTIONS 201+00 - 203+00		
ACS-09	NORTHBOUND CROSS SECTIONS 203+50 - 206+00		

DESIGNED BY:
ANCHOR
ENGINEERING SERVICES, INC.

STATE OF CONNECTICUT
MARK M. ZESSIN
No. 18215
LICENSED
PROFESSIONAL ENGINEER

Mark M. Zessin
2018.11.16
11:51:17-05'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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: 10/19/2018

DESIGNER/DRAFTER: D. LORD
CHECKED BY: M. ZESSIN

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.01_HW_MSH_167_0107_Br02151_DWL-05.dgn

SIGNATURE/BLOCK:

ANCHOR
ENGINEERING SERVICES, INC.
41 Sequin Drive
Glastonbury, CT 06033
P: 860.633.8700
F: 860.633.5971

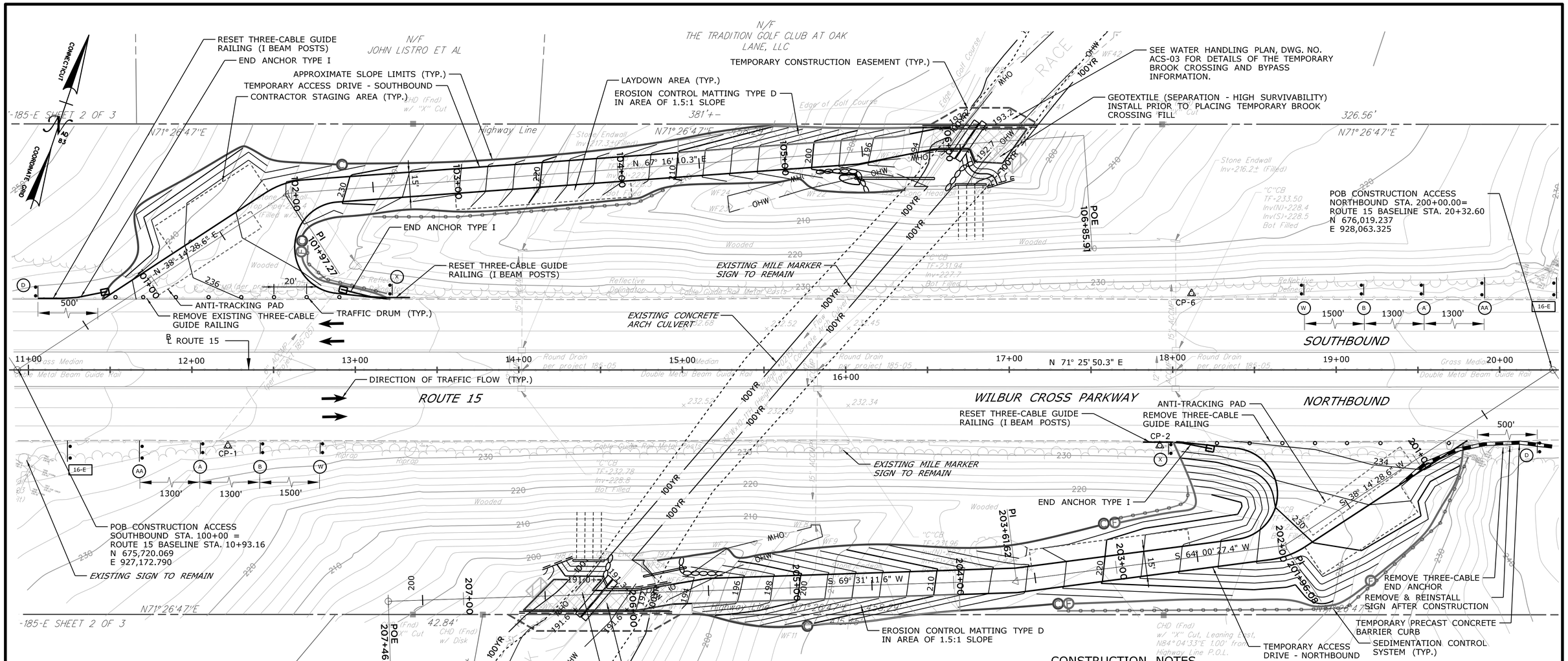
PROJECT TITLE:
REHABILITATION OF
BRIDGE NO. 02151
ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

DRAWING TITLE:
INDEX OF CONSTRUCTION ACCESS DRAWINGS

PROJECT NO. 0167-0107
DRAWING NO. ACS-01
SHEET NO. 05.01

Border Version: 07/19/16



SIGN LEGEND

- (AA) ROAD WORK AHEAD FINES DOUBLED 31-1906
- (A) ROAD WORK AHEAD 80-9604
- (B) SLOW MOVING TRUCKS AHEAD 80-9815
- (D) END ROAD WORK 80-9612
- (W) CONSTRUCTION VEHICLES AHEAD 80-9929
- (X) EMERGENCY AND AUTHORIZED VEHICLES ONLY 31-1792
- [16-E] CONSTRUCTION AHEAD 80-1605

EMERGENCY AND AUTHORIZED VEHICLES ONLY
31-1792 DETAIL

CONSTRUCTION NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
2. 16-E SIGN SHALL BE INSTALLED IN ADVANCE OF THE TRAFFIC CONTROL PATTERNS TO ALLOW MOTORIST THE OPPORTUNITY TO AVOID THE WORK ZONE.
3. INSTALL THE APPROPRIATE TYPE DE-7 DELINEATORS ON THE TEMPORARY PRECAST CONCRETE BARRIER CURB IN ACCORDANCE WITH TRAFFIC STANDARD SHEET TR-1205_01 "DELINEATION, DELINEATORS, AND OBJECT MARKER DETAILS.
4. BARRICADE WARNING LIGHTS - HIGH INTENSITY SHALL BE INSTALLED ON ALL POST-MOUNTED DIAMOND ADVANCE WARNING SIGNS.
5. EXISTING SIGNS ARE TO BE RELOCATED AS NEEDED AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SO THAT THEY ARE IN THE APPROPRIATE LOCATION AND VISIBLE TO MOTORISTS. SOME SIGNS MAY HAVE TO BE TEMPORARILY LOCATED WITHIN THE WORK AREA. THIS WORK WILL BE PAID FOR UNDER ITEM NO. 0971001A- MAINTENANCE AND PROTECTION OF TRAFFIC.
6. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
7. ANY EXISTING SIGNING DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
8. TEMPORARY SIGNS SHALL BE MOUNTED ON POSTS WHEN FEASIBLE.
9. ALL SIGNS USED FOR CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 1220027-"CONSTRUCTION SIGNS".
10. INSTALL CONSTRUCTION SIGNS, SIGNS AND METAL SIGN POSTS PER THE ATTACHED CTDOT TRAFFIC STANDARD SHEETS TR-1208_01 AND TR-1208_02.
11. SIGNING PATTERN SHOWN IS FOR WORKING OFF THE ROADWAY. REFER TO THE APPLICABLE CONSTRUCTION TRAFFIC CONTROL PLANS CONTAINED IN THE SPECIAL PROVISION FOR ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC FOR ADDITIONAL TRAFFIC CONTROL PATTERNS, NOTES AND REQUIREMENTS.
12. EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION SIGNS SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL CLOSE OFF THE TEMPORARY ACCESS ROADS WITH CONSTRUCTION BARRICADES TYPE III WHEN THEY ARE NOT IN USE.

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Plotted Date: 11/8/2018

DESIGNER/DRAFTER: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.02_HW_MSH_167_0107_Br02151_ACS-01.dgn

SIGNATURE/BLOCK: STATE OF CONNECTICUT MARK M. ZESSIN No. 18215 LICENSED PROFESSIONAL ENGINEER — ANCHOR 41 Sequin Drive Glastonbury CT 06033 P: 860.633.8700 F: 860.633.7053

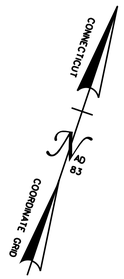
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

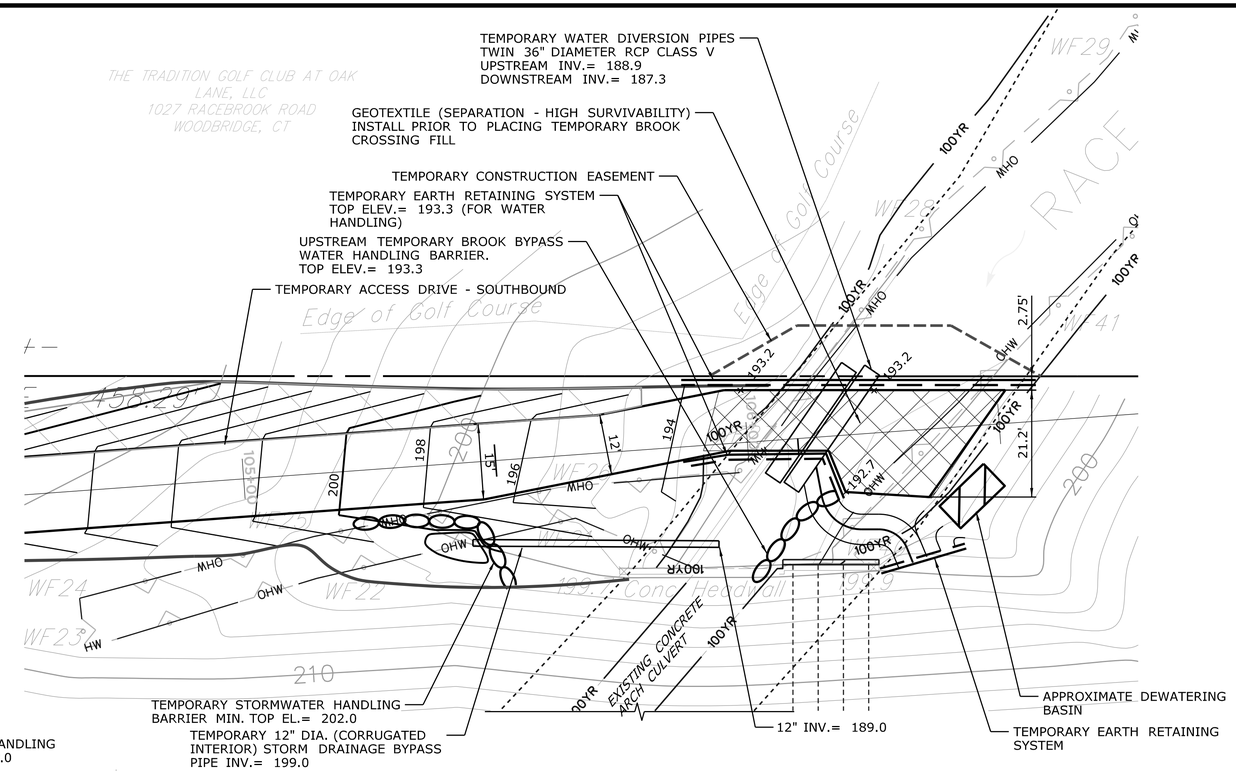
TOWN: **WOODBRIDGE**

DRAWING TITLE: **CONSTRUCTION ACCESS**

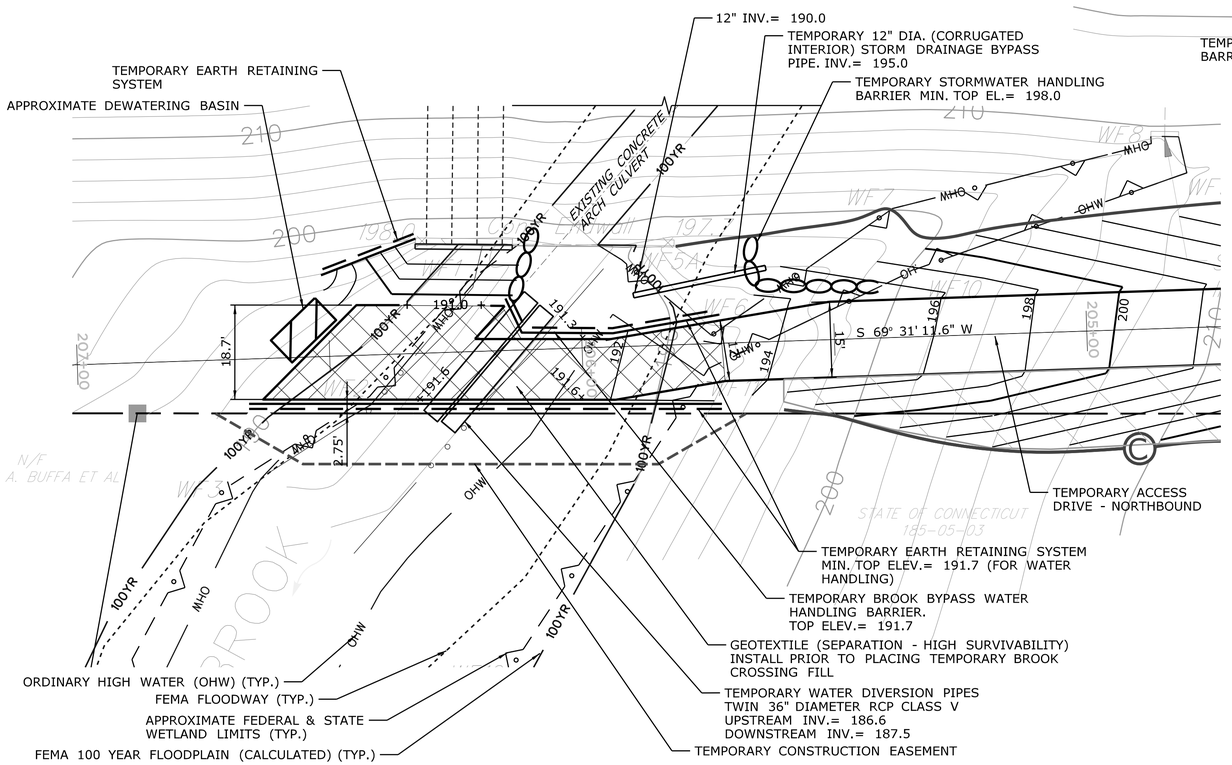
PROJECT NO. 0167-0107
DRAWING NO. ACS-02
SHEET NO. 05.02

Border Version: 07/19/16





TEMPORARY BROOK CROSSING - INLET



TEMPORARY BROOK CROSSING - OUTLET

SUGGESTED CONSTRUCTION SEQUENCE

1. REMOVE PORTIONS OF EXISTING CABLE GUIDE RAILING AS SHOWN ON PLANS.
2. RESET PORTIONS OF GUIDE RAIL AND INSTALL END ANCHORS. INSTALL TEMPORARY PRECAST CONCRETE BARRIER CURB.
3. INSTALL SEDIMENTATION CONTROL SYSTEMS.
4. CLEAR AND GRUB THE NECESSARY WORK AREAS.
5. CONSTRUCT THE CONSTRUCTION ACCESS DRIVES AND STAGING/LAYDOWN AREAS.
6. INSTALL TEMPORARY WATER DIVERSION BARRIERS, BROOK DIVERSION PIPES AND TEMPORARY STORM DIVERSIONS.
7. COMPLETE INSTALLATION OF BROOK CROSSINGS.
8. EXCAVATE AND CONSTRUCT CONCRETE TIE-BACK RETAINING WALL.
9. CORE WALL AND INSTALL TIE-BACKS AT NORTHEAST AND SOUTHWEST WINGWALL.
10. REMOVE TEMPORARY BROOK CROSSINGS FILL AND GRADE TO FINAL CONTOURS IN THE BROOK AREA.
11. INSTALL RIPRAP.
12. REMOVE TEMPORARY BYPASS PIPES. FINISH FINAL GRADING IN BROOK AREA.
13. REMOVE OTHER AREAS OF THE TEMPORARY FACILILTIES AS SHOWN ON THE PLANS AND RESTORE WITH LOAM AND SEED.
14. RESTORE CABLE GUIDE RAILING.

TEMPORARY HYDRAULIC DATA	BYPASS PIPES
AVERAGE DAILY FLOW	3.22 CFS
AVERAGE SPRING FLOW	6.26 CFS
TEMPORARY DESIGN DISCHARGE	100 CFS
TEMPORARY DESIGN FREQUENCY	2-YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	193.12 FT
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	191.55 FT

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 11/8/2018

DESIGNER/DRAFTER: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 15 30
SCALE 1"=15'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ..\05.03_HW_MSH_167_0107_Br02151_WTRH-01.dgn

SIGNATURE/BLOCK:
STATE OF CONNECTICUT MARK W. ZESSIN No. 18218 LICENSED PROFESSIONAL ENGINEER
ANCHOR
41 Sequin Drive
Glastonbury, CT 06033
P: 860.633.8770
F: 860.633.7071

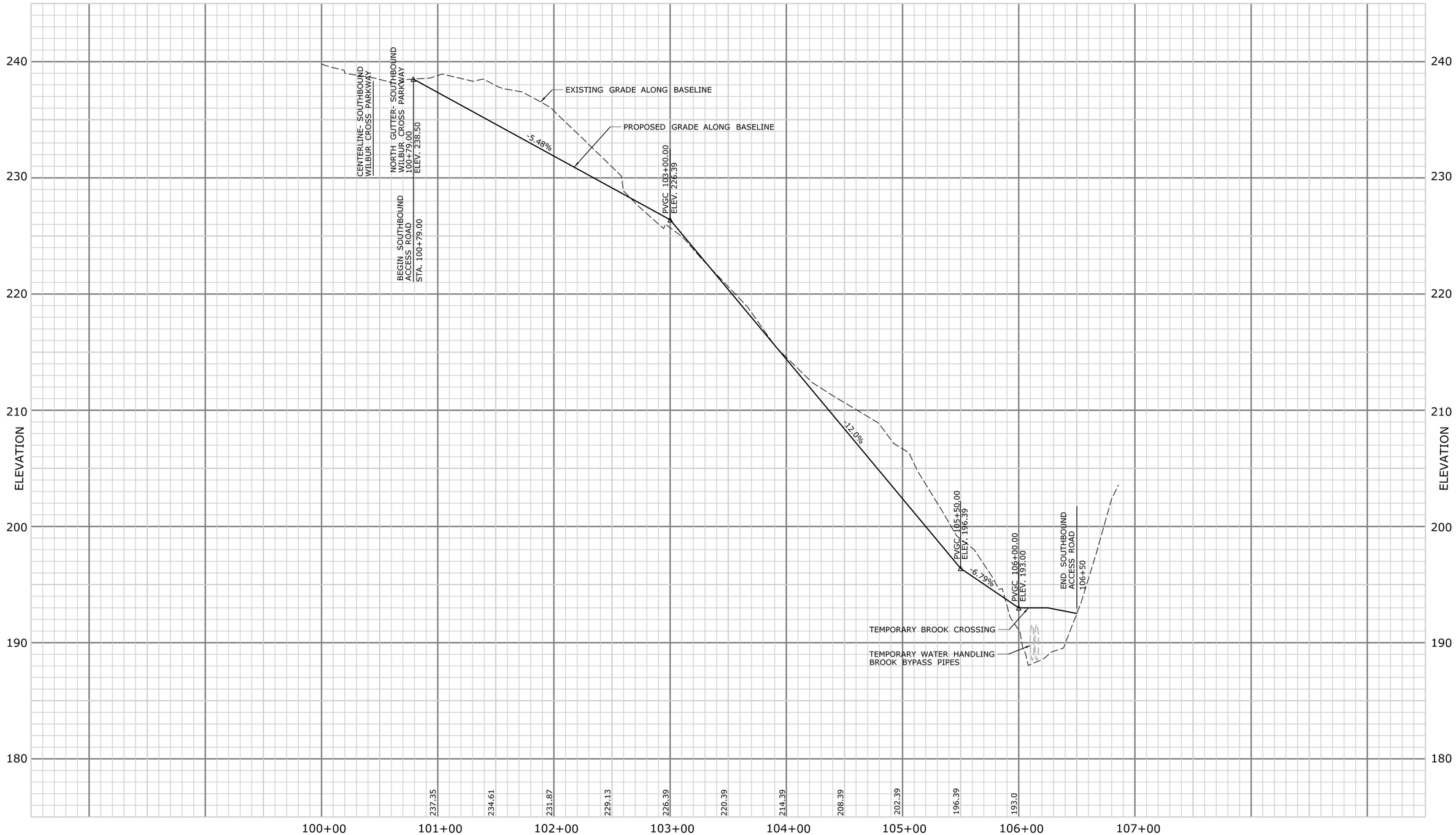
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

DRAWING TITLE: **WATER HANDLING**

PROJECT NO. 0167-0107
DRAWING NO. ACS-03
SHEET NO. 05.03

Border Version: 07/19/16



TEMPORARY CONSTRUCTION ACCESS DRIVE - SOUTHBOUND PROFILE

SCALE: 1"=4' VERT.; 1"= 40' HORZ.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: D. LORD

CHECKED BY: M. ZESSIN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.04_HW_MSH_167_0107_Br02151_PRO-01.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT
MARK M. ZESSIN
No. 18215
LICENSED
PROFESSIONAL ENGINEER

ANCHOR
41 Sequin Drive
Glastonbury, CT 06033
P: 860.633.8700
F: 860.633.7051

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

DRAWING TITLE: **CONSTRUCTION ACCESS- SOUTHBOUND PROFILE**

PROJECT NO. **0167-0107**

DRAWING NO. **ACS-04**

SHEET NO. **05.04**

Border Versions 07/19/16

TEMPORARY CONSTRUCTION ACCESS DRIVE - NORTHBOUND PROFILE

SCALE: 1"=4' VERT.; 1"= 40' HORZ.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: D. LORD

CHECKED BY: M. ZESSIN

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.05_HW_MSH_167_0107_Br02151_PRO-02.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT — MARK ZESSIN — No. 18215 — LICENSED PROFESSIONAL ENGINEER

ANCHOR
41 Sugen Drive
Chesshire, CT 06410
P: 860.616.8770
F: 860.615.5971

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

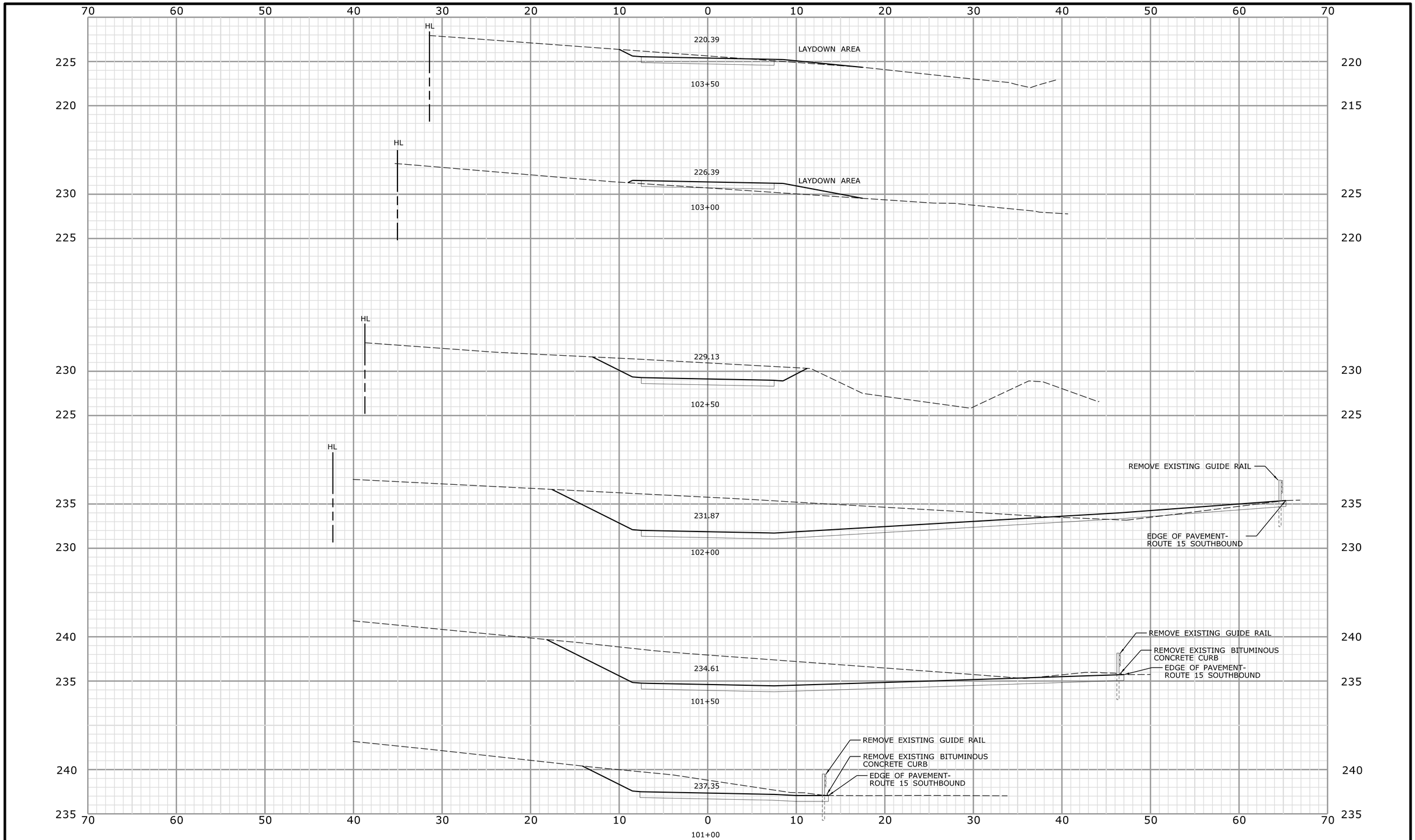
DRAWING TITLE: **CONSTRUCTION ACCESS- NORTHBOUND PROFILE**

PROJECT NO. **0167-0107**

DRAWING NO. **ACS-05**

SHEET NO. **05.05**

Border Version: 07/19/16



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: D. LORD

CHECKED BY: M. ZESSIN

SCALE IN FEET 0 5 10

SCALE 1"=5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.06_HW_MSH_167_0107_Br02151_XSC-01.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT MARK M. ZESSIN No. 18215 LICENSED PROFESSIONAL ENGINEER

ANCHOR
01 Sugar Drive
Chatsworth, CT 06013
P: 860.635.0730
F: 860.635.7071

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

DRAWING TITLE:

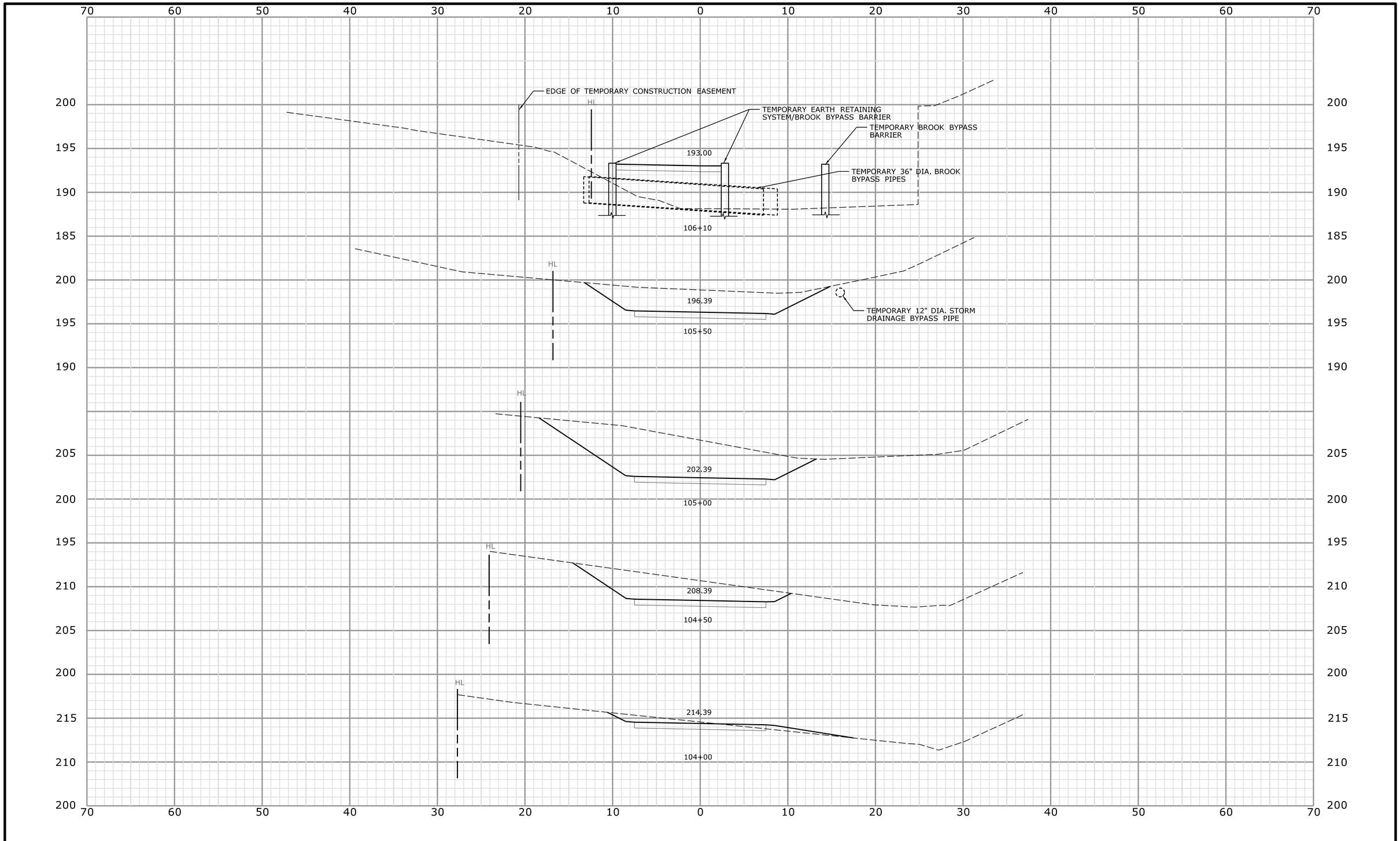
SOUTHBOUND CROSS SECTIONS 101+00-103+50

PROJECT NO. **0167-0107**

DRAWING NO. **ACS-06**

SHEET NO. **05.06**

Border Version: 07/19/16



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: D. LORD

CHECKED BY: M. ZESSIN

SCALE IN FEET 0 5 10

SCALE 1"=5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.07_HW_MSH_167_0107_Br02151_XSC-02.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT MARK M. ZESSIN No. 18815 LICENSED PROFESSIONAL ENGINEER

ANCHOR
41 Seegan Drive
Glastonbury, CT 06033
P: 860.633.8700
F: 860.633.7071

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

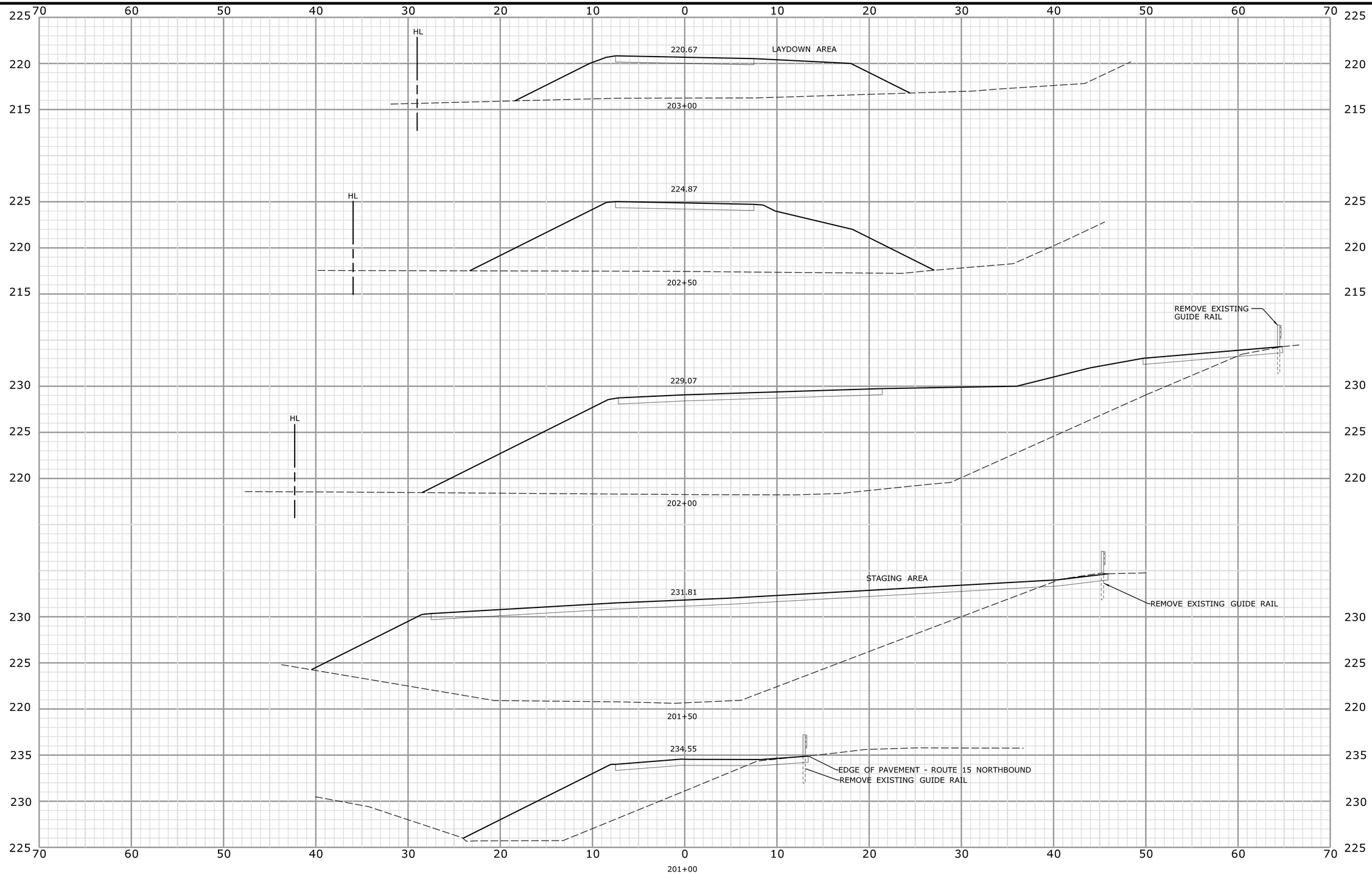
DRAWING TITLE: **SOUTHBOUND CROSS SECTIONS 104+00-106+00**

PROJECT NO. **0167-0107**

DRAWING NO. **ACS-07**

SHEET NO. **05.07**

Border Versions 07/19/16



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DESIGNER/DRAFTER: D. LORD

CHECKED BY: M. ZESSIN

SCALE IN FEET 0 5 10

SCALE 1"=5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.08_HW_MSH_167_0107_Br02151_XSC-03.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT · MARK D. ZESSIN · No. 18215 · LICENSED PROFESSIONAL ENGINEER

ANCHOR
41 Sugar Grove
Glastonbury, CT 06033
P: 860.633.8720
F: 860.633.7071

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

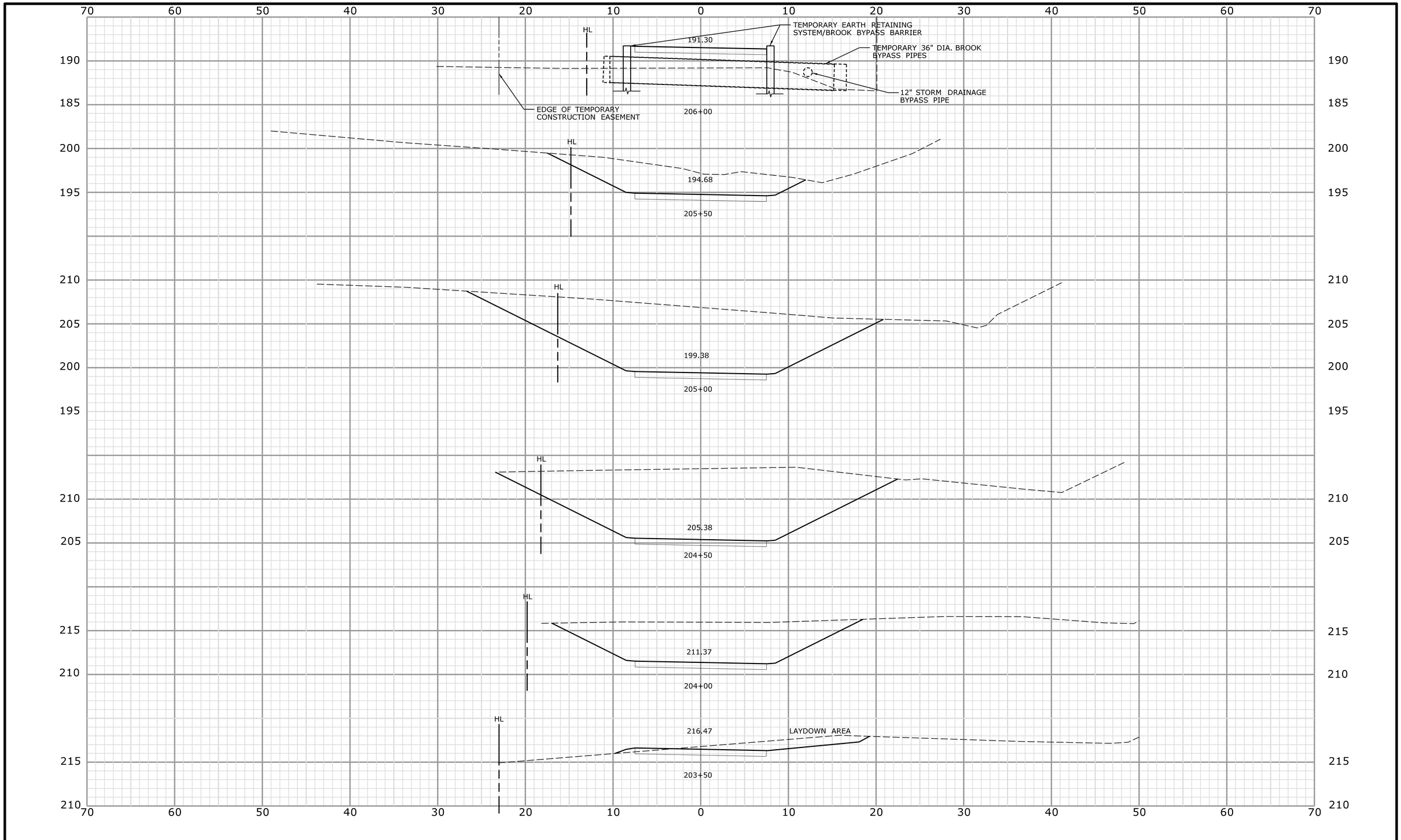
DRAWING TITLE: **NORTHBOUND CROSS SECTIONS 201+00-203+00**

PROJECT NO. **0167-0107**

DRAWING NO. **ACS-08**

SHEET NO. **05.08**

Border Version: 07/19/16



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Plotted Date: 10/19/2018

DESIGNER/DRAFTER: D. LORD
CHECKED BY: M. ZESSIN
SCALE IN FEET 0 5 10
SCALE 1"=5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\05.09_HW_MSH_167_0107_Br02151_XSC-04.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT MARK M. ZESSIN No. 18215 LICENSED PROFESSIONAL ENGINEER

ANCHOR
01 Sugan Drive
Glastonbury, CT 06033
P: 860.633.8700
F: 860.633.7001

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

DRAWING TITLE:
NORTHBOUND CROSS SECTIONS 203+50-206+00

PROJECT NO. **0167-0107**
DRAWING NO. **ACS-09**
SHEET NO. **05.09**

Border Version: 07/19/16