SUBSET 03 - HIGHWAY
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
HWY-01	INDEX OF HIGHWAY DRAWINGS		
HWY-02	TYPICAL SECTION & MISCELLANEOUS DETAILS		
HWY-03	ROADWAY PLAN - FINAL CONDITIONS		
HWY-04	ROUTE 15 EXISTING PROFILE		
HWY-05	EXISTING CONDITIONS		

DESIGNED BY:
ANCHOR
ENGINEERING SERVICES, INC.

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

Mark M. Zessin
2018.11.16
12:06:19-05'00'

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
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.01_HW_MSH_167_0107_Br02151_DWL-03.dgn

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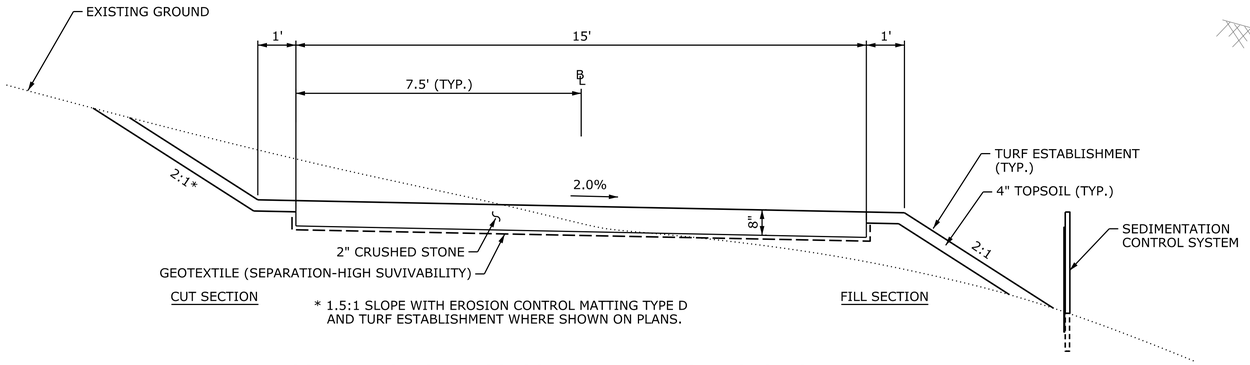
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151
ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

DRAWING TITLE: INDEX OF HIGHWAY DRAWINGS

PROJECT NO. 0167-0107
DRAWING NO. HWY-01
SHEET NO. 03.01

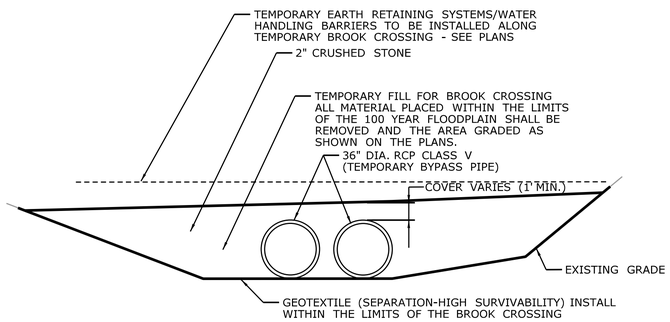
Border Version: 07/19/16



* 1.5:1 SLOPE WITH EROSION CONTROL MATTING TYPE D AND TURF ESTABLISHMENT WHERE SHOWN ON PLANS.

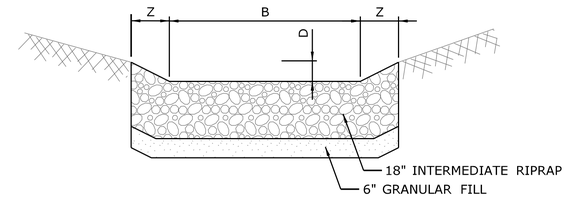
CONSTRUCTION ACCESS DRIVE TYPICAL SECTION

N.T.S.



BROOK CROSSING/BYPASS PIPE TYPICAL SECTION

NOT TO SCALE



CHANNEL	B (FT)	D (FT)	Z (FT)	SLOPE (FT/FT)
SOUTHBOUND	10	0.5	1	0.18
NORTHBOUND	5	0.5	1.5	0.16

INTERMEDIATE RIPRAP CHANNEL

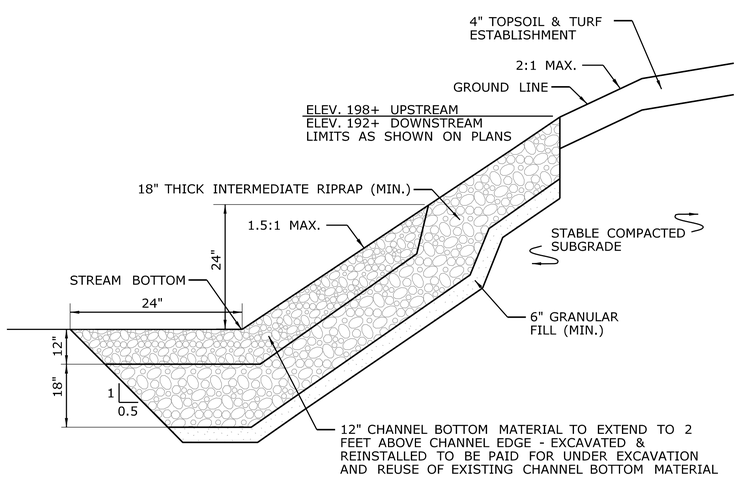
NOT TO SCALE

GENERAL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND STANDARDS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" DATED 2002, AS AMENDED AND THE STATE OF CONNECTICUT FORM 817.
2. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLAN, PRIOR TO CLEARING AND GRUBBING.
3. RUNOFF SHALL BE CONTROLLED BY THE INTERCEPTION, DIVERSION AND SAFE DISPOSAL OF PRECIPITATION. SURROUND SOIL STOCKPILES WITH SILT FENCE. THE BINDING OF SOIL PARTICLES TO MAKE THEM LESS SUSCEPTIBLE TO REMOVAL BY RAIN SPLASH, RUNOFF OR WIND IS SUGGESTED BY THE USE OF NATURAL AND PHYSICAL "BINDERS" SUCH AS MULCH AND FABRICS.
4. AFTER EACH STORM EVENT OR ONCE A WEEK, ALL SEDIMENT AND EROSION CONTROLS WILL BE INSPECTED BY THE ENGINEER. ANY CORRECTIVE ACTION TO MITIGATE ENVIRONMENTAL CONCERNS WILL BE ORDERED AT THAT TIME. SEDIMENT FROM THE EROSION CONTROL DEVICES SHALL BE REMOVED, WHEN IT REACHES ONE-HALF ITS HEIGHT. REMOVED SEDIMENT SHALL BE PROPERLY DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN.
5. EROSION CONTROL MEASURES

   A. EROSION CONTROL MEASURES ARE DEPICTED ON THE SITE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED MAINTENANCE AND REPLACEMENT OF MEASURES DURING THE CONSTRUCTION PERIOD AS NECESSARY OR AS REQUIRED BY THE STATE.

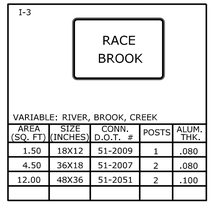
   B. FINAL GRADING, SEEDING AND MULCHING SHALL BE DONE WITHIN THE SPECIFIED TIME FRAMES. INSPECTIONS SHALL BE PERFORMED AS SOON AS POSSIBLE FOLLOWING A HEAVY RAIN TO CHECK THE INTEGRITY OF THE BARRIERS, SWALES, SEEDING AND MULCH. ANY REPAIRS OR ADDITIONAL SEED OR MULCH SHALL BE DONE AS SOON AS POSSIBLE.
6. APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED ON SITE PRIOR TO CONSTRUCTION TO MINIMIZE THE IMPACT OF THE DISTURBED AREAS ON THE BROOK.
7. CLEARED MATERIALS, SUCH AS BRUSH AND ROAD SPOILS SHALL BE REMOVED AND DISPOSED OF FROM THE SITE.
8. WHERE DEWATERING OF EXCAVATIONS IS REQUIRED THERE SHALL NOT BE A DIRECT DISCHARGE INTO WETLANDS OR WATERCOURSES. PROPER METHODS SHALL BE UTILIZED SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BASIN, FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN SUSPENSED SOLIDS.



INTERMEDIATE RIPRAP SLOPE PROTECTION

NOT TO SCALE

I-SERIES



VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	18X12	51-2009	1	.080
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

I - SERIES
BACKGROUND-GREEN, LEGEND-WHITE
(EXCEPT AS NOTED)

ALL COLORS SHALL BE TYPE IX RETROREFLECTIVE WITH THE EXCEPTION OF BROWN WHICH SHALL BE TYPE IV RETROREFLECTIVE AND BLACK WHICH SHALL BE OPAQUE.

SIGN FACE SHEET ALUMINUM I SERIES SIGN DETAIL

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 11/8/2018

DESIGNER/DRAFTER: D. LORD
CHECKED BY: M. ZESSIN
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.02_HW_MSH_167_0107_Br02151_DTL-01.dgn

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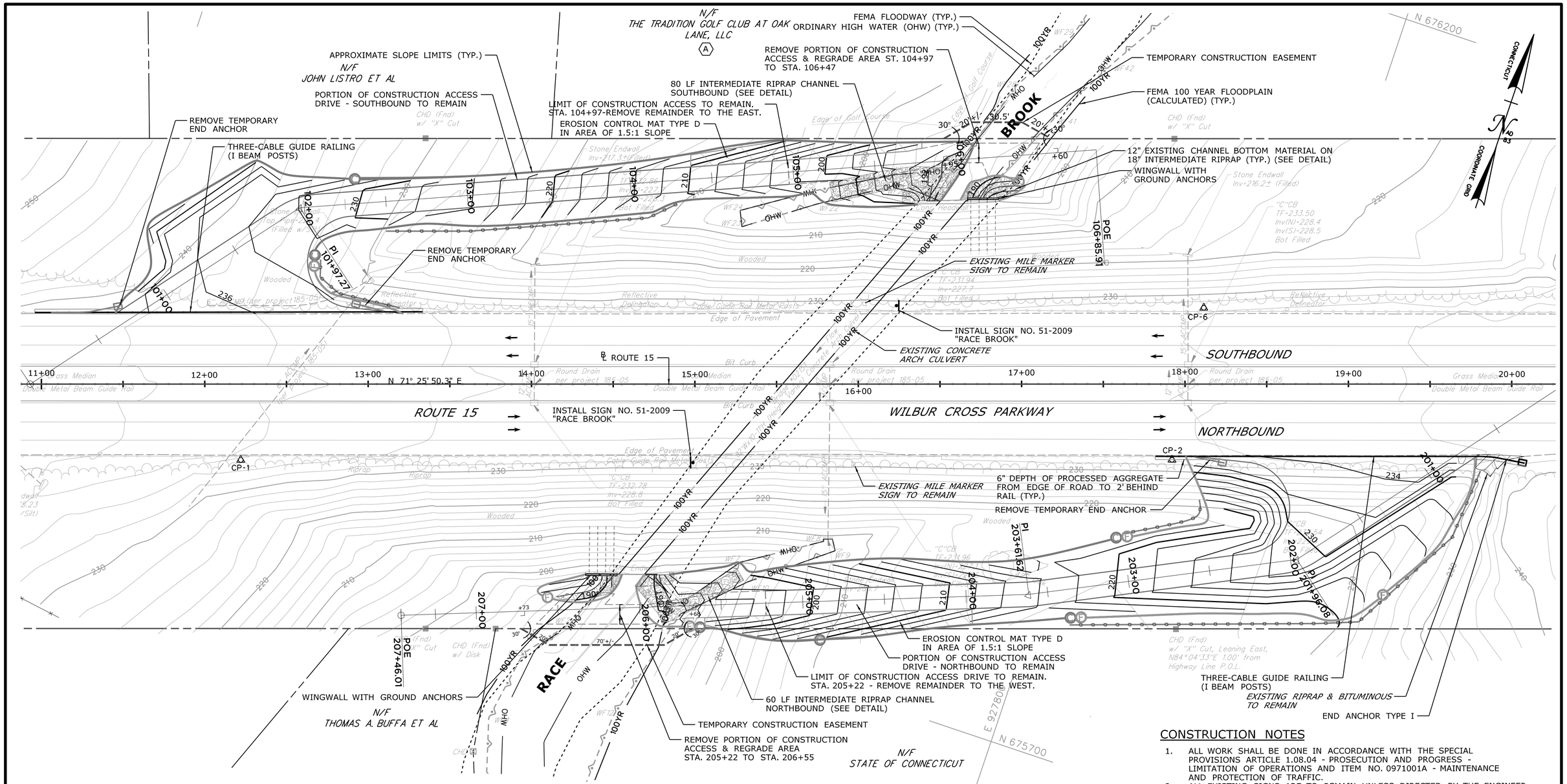
STATE OF CONNECTICUT
MARK M. ZESSIN
No. 18215
LICENSED
PROFESSIONAL ENGINEER

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

TOWN: **WOODBRIDGE**

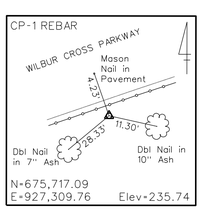
DRAWING TITLE:
TYPICAL SECTION & MISCELLANEOUS DETAILS

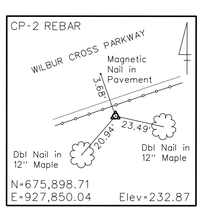
PROJECT NO. 0167-0107
DRAWING NO. HWY-02
SHEET NO. 03.02

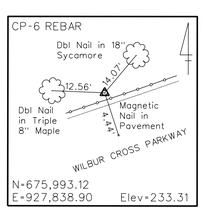


CONSTRUCTION NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ARTICLE 1.08.04 - PROSECUTION AND PROGRESS - LIMITATION OF OPERATIONS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS DIRECTED BY THE ENGINEER.
3. INSTALL SIGNS AND METAL SIGN POSTS IN ACCORDANCE WITH TRAFFIC STANDARD SHEETS TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" AND TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
4. EXACT LOCATION OF SIGNS TO BE VERIFIED BY ENGINEER.







SCHEDULE OF EASEMENTS & RIGHTS

(A) TEMPORARY CONSTRUCTION EASEMENT FOR THE PURPOSE OF CONSTRUCTING TEMPORARY WATER DIVERSION PIPES DURING THE CONSTRUCTION OF ROUTE 15 BRIDGE REHABILITATION OVER RACE BROOK ACQUIRED. SAID EASEMENT TO AUTOMATICALLY TERMINATE UPON COMPLETION OF THE PROJECT, UNLESS SOONER RELEASED BY THE STATE. TEMPORARY EASEMENT TAKEN UNDER THIS PARAGRAPH WILL BE RESTORED BY REMOVING THE TEMPORARY WATER DIVERSION PIPES AND RETURNING THE AREA TO ITS ORIGINAL CONDITION.

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 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.03_HW_MSH_167_0107_Br02151_PLN-01.dgn

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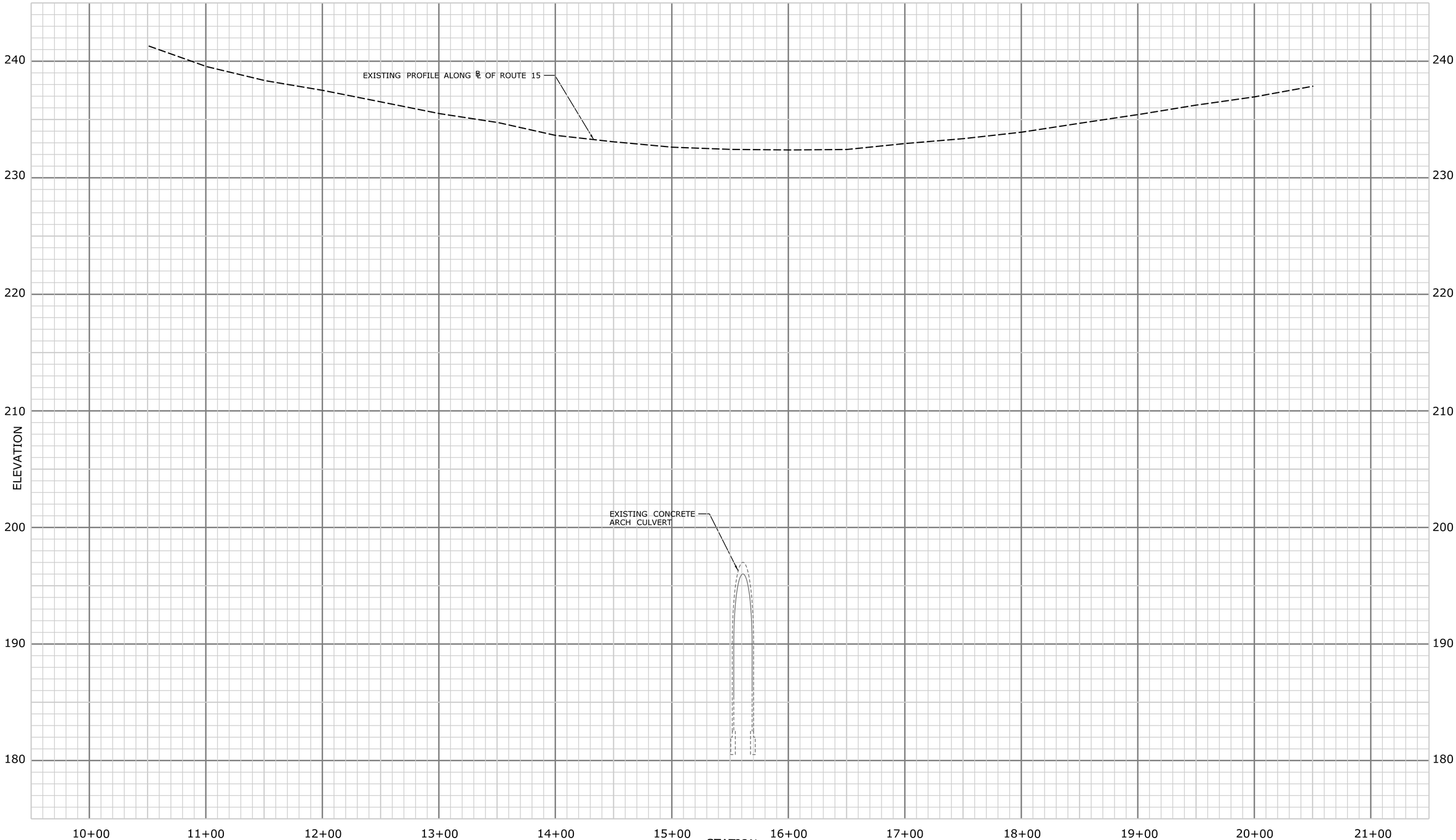
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02151
ROUTE 15 OVER RACE BROOK

TOWN: WOODBRIDGE

DRAWING TITLE: ROADWAY PLAN - FINAL CONDITIONS

PROJECT NO. 0167-0107
DRAWING NO. HWY-03
SHEET NO. 03.03

Border Version: 07/19/16



ROUTE 15 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: ..\03.04_HW_MSH_167_0107_Br02151_PRO-01.dgn

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PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02151 ROUTE 15 OVER RACE BROOK

TOWN: **WOODBRIDGE**

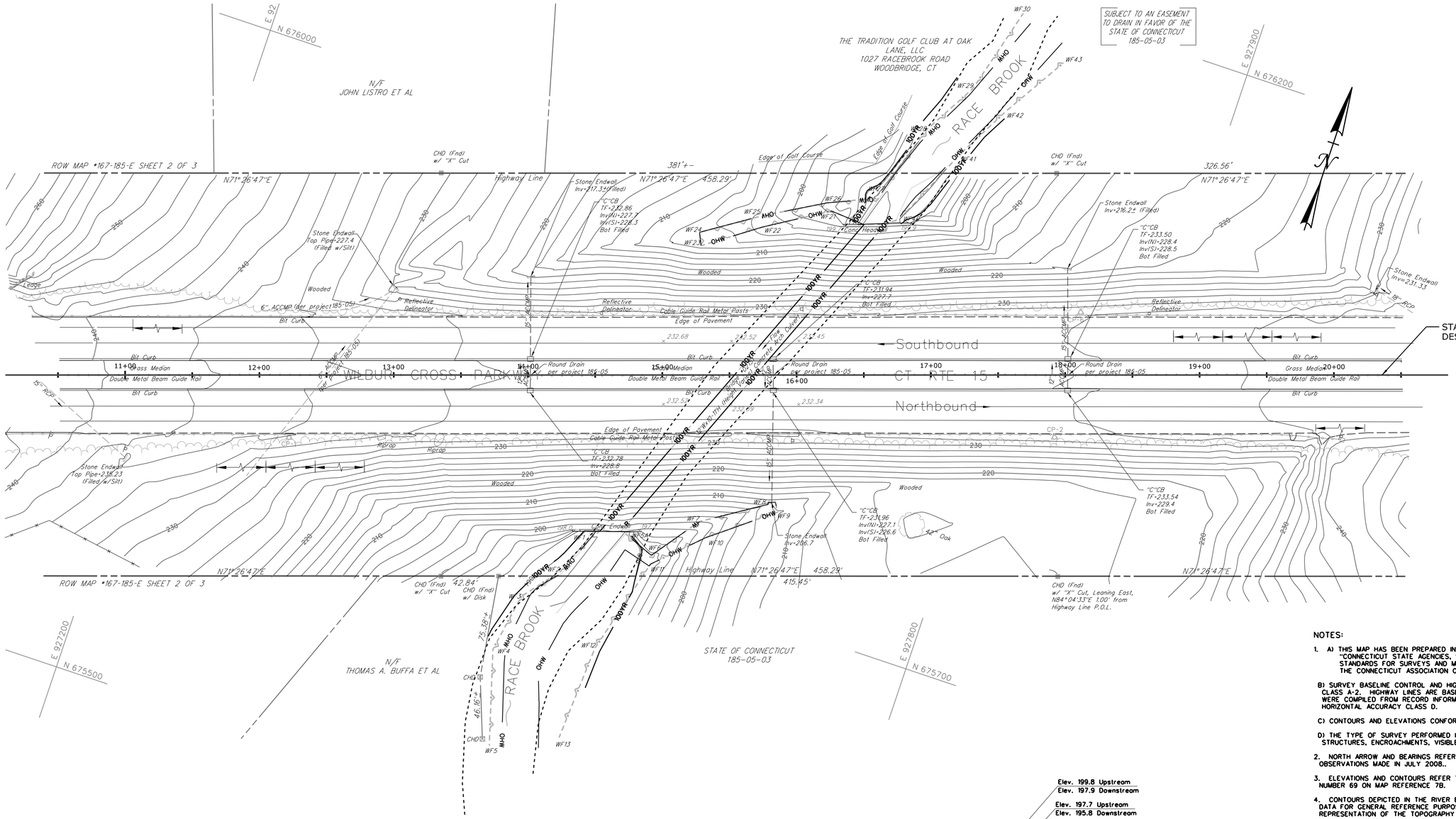
DRAWING TITLE: **ROUTE 15 EXISTING PROFILE**

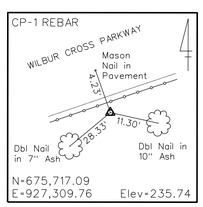
PROJECT NO. **0167-0107**

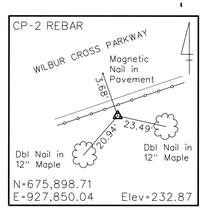
DRAWING NO. **HWY-04**

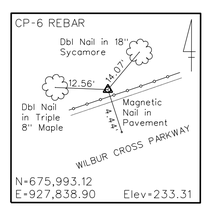
SHEET NO. **03.04**

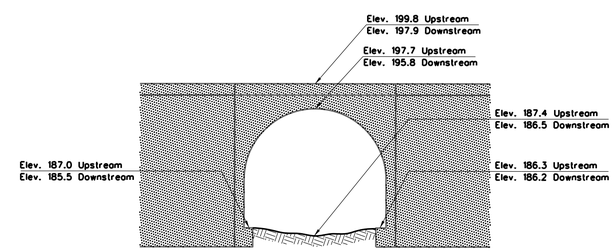
Border Version: 07/19/16











DETAIL OF CULVERT OPENINGS
N.T.S.

NOTES:

1. A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF "CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

   B) SURVEY BASELINE CONTROL AND HIGHWAY LINES CONFORM TO HORIZONTAL ACCURACY CLASS A-2. HIGHWAY LINES ARE BASED UPON A RESURVEY. ADJOINING PROPERTY LINES WERE COMPILED FROM RECORD INFORMATION AND OTHER SOURCES AND CONFORM TO HORIZONTAL ACCURACY CLASS D.

   C) CONTOURS AND ELEVATIONS CONFORM TO TOPOGRAPHIC ACCURACY CLASS T-2.

   D) THE TYPE OF SURVEY PERFORMED IS A TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT STRUCTURES, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.

2. NORTH ARROW AND BEARINGS REFER TO NAD83 DATUM AND ARE BASED UPON GPS OBSERVATIONS MADE IN JULY 2008..

3. ELEVATIONS AND CONTOURS REFER TO NGVD29 DATUM AND ARE BASED ON BENCHMARK NUMBER 69 ON MAP REFERENCE 7B.

4. CONTOURS DEPICTED IN THE RIVER BED WERE DEVELOPED FROM HYDRAULIC CROSS-SECTION DATA FOR GENERAL REFERENCE PURPOSES AND ARE NOT TO BE CONSIDERED AN ACCURATE REPRESENTATION OF THE TOPOGRAPHY BENEATH THE WATER.

5. THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.

6. WETLANDS DELINEATED BY BL COMPANIES IN OCTOBER 2008.

7. REFERENCE IS MADE TO THE FOLLOWING MAPS:

   A. "CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF WOODBRIDGE, WILBUR CROSS PARKWAY FROM THE ORANGE TOWN LINE EASTERLY TO THE NEW HAVEN TOWN LINE", DATE: MARCH 14, 1951, SCALE: 1"=100', NUMBER: 167-185-E, SHEET No. 2 OF 3.

   B. "CONNECTICUT STATE HIGHWAY DEPARTMENT, PLAN FOR CONSTRUCTION OF GRADING & DRAINAGE ON A SECTION OF WILBUR CROSS PARKWAY IN THE TOWN OF ORANGE-WOODBRIDGE & NEW HAVEN FROM STA. 491+00 TO STA. 675+20", DATE: SEPTEMBER 8, 1947, SCALE:1"=40', PROJECT No. 185-05.

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 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.05_HW_MSH_167_0107_Br02151_XSV-01.dgn

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

TOWN: WOODBRIDGE

DRAWING TITLE: EXISTING CONDITIONS

PROJECT NO. 0167-0107
DRAWING NO. HWY-05
SHEET NO. 03.05

Border Versions 07/19/16