03 - HIGHWAYS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
HWY-01	INDEX OF DRAWINGS		
TYP-01	TYPICAL SECTION		
TYP-02	TYPICAL SECTION		
TYP-03	TYPICAL SECTION		
PLN-01	ROADWAY PLAN		
PRO-01	PROFILE		
PRO-02	PROFILE		
IGP-01	INTERSECTION GRADING PLAN		
SPM-01	SIGNING AND PAVEMENT MARKING PLAN		
XSC-01	CROSS SECTIONS		
XSC-02	CROSS SECTIONS		
XSC-03	CROSS SECTIONS		
XSC-04	CROSS SECTIONS		
XSC-05	CROSS SECTIONS		

DESIGNED BY:
Stantec
STANTEC CONSULTING SERVICES INC.
55 CHURCH STREET, SUITE 601
NEW HAVEN, CT 06510

Andrew Lessard
2015.07.29
16:09:10-04'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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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: 7/29/2015

DESIGNER/DRAFTER: JRA
CHECKED BY: AML

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HWY-01 INDEX OF DRAWINGS.dgn

SIGNATURE/BLOCK:
Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

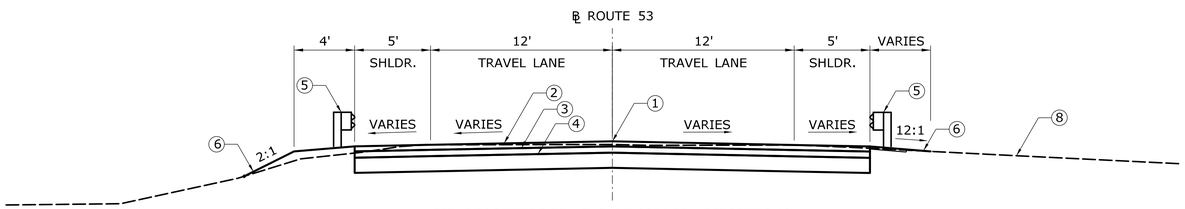
TOWN: REDDING

DRAWING TITLE: INDEX OF DRAWINGS

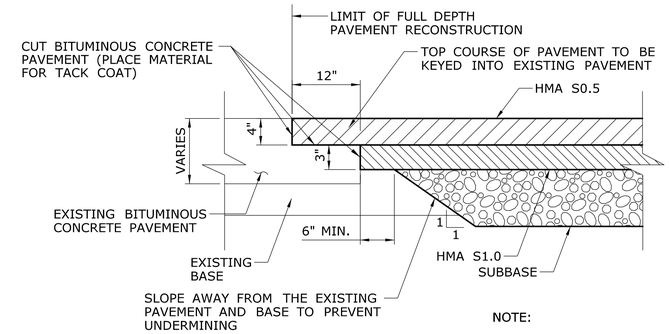
PROJECT NO. 116-133
DRAWING NO. HWY-01
SHEET NO. 03.01

Connecticut Department of Transportation
QA/QC Format Check

TYPICAL SECTIONS



TRANSITION ROADWAY SECTION
STA. 11+98 TO 12+18

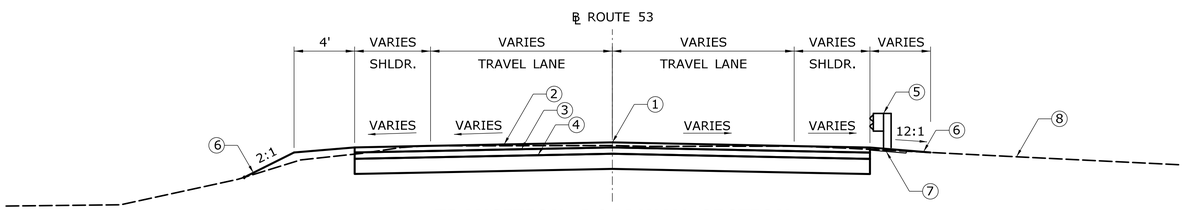


NOTE:

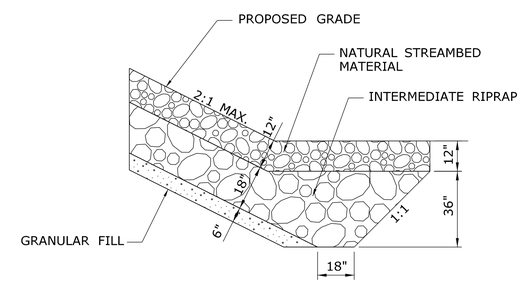
THERE SHALL BE NO DIRECT PAYMENT FOR THE WORK ASSOCIATED WITH KEYING THE TOP COURSE OF PAVEMENT INTO THE EXISTING PAVEMENT. THE COST SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS BID. ALL WORK SHALL MEET THE APPROVAL OF THE ENGINEER.

PAVEMENT TRANSITION DETAIL FOR PLACEMENT AT EXISTING PAVEMENT

NOT TO SCALE

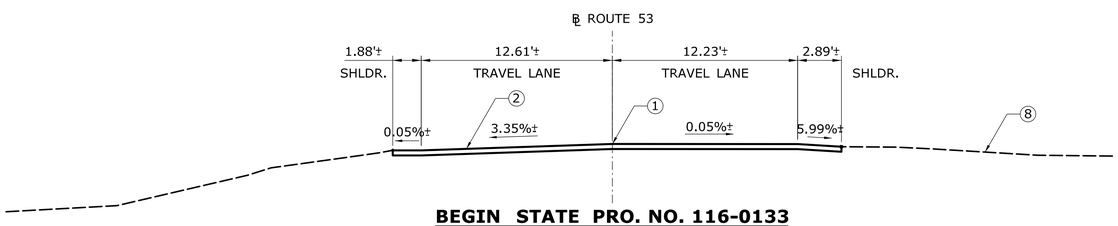


TRANSITION ROADWAY SECTION
STA. 11+65 TO 11+98

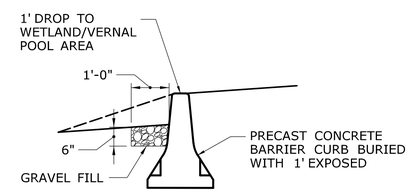


RIPRAP FOR SLOPE PROTECTION

NOT TO SCALE



BEGIN STATE PRO. NO. 116-0133
FAP NO. 0053(109)
STA. 11+64
MATCH EXISTING



NOTE: EXCAVATION FOR THIS WORK SHALL BE PAID FOR UNDER THE ITEM "EARTH EXCAVATION".

WILDLIFE BARRIER

NOT TO SCALE

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 4" HMA S0.5 (PLACED IN TWO EQUAL LIFTS)
3. 3" HMA S1.0 (ONE LIFT)
4. 12" SUBBASE
5. MBR TYPE R-B 350 (AS SHOWN ON PLANS)
6. 4" TOPSOIL AND TURF ESTABLISHMENT
7. PAVEMENT FOR RAILING
8. EXISTING GRADE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG
CHECKED BY: AML
SCALE IN FEET 0 5 10
SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_TYP-01.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

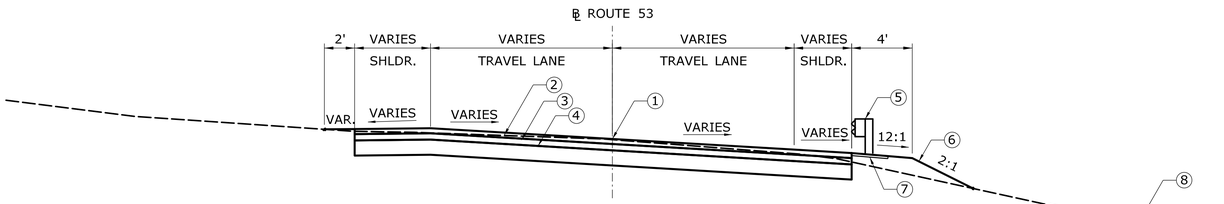
PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

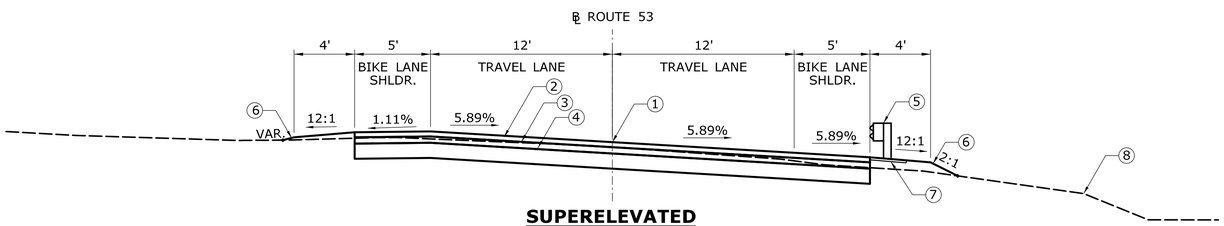
DRAWING TITLE: **TYPICAL SECTION**

PROJECT NO. **116-133**
DRAWING NO. **TYP-01**
SHEET NO. **03.02**

TYPICAL SECTIONS

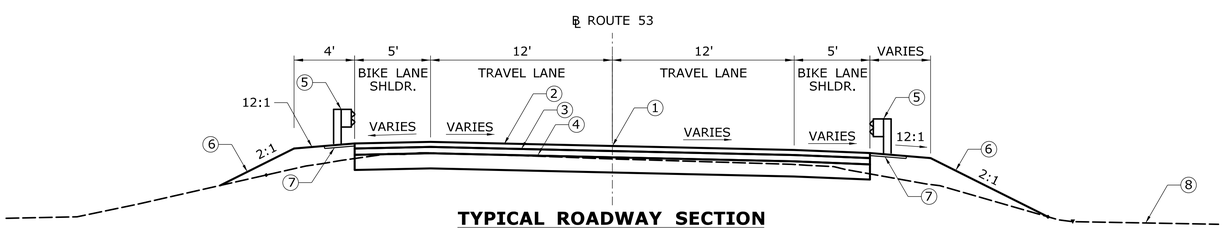


TRANSITION ROADWAY SECTION
STA. 15+64 TO 16+13



SUPERELEVATED
ROADWAY SECTION
STA. 14+24 TO 15+64

STA. 13+46 TO 14+24
SEE STRUCTURE SHEETS



TYPICAL ROADWAY SECTION
STA. 12+18 TO 13+46

NOTES

1. REFER TO STRUCTURE SHEETS FOR APPROACH SLAB DETAILS AND LOCATIONS.
2. BRIDGE DECK EXTENDS FROM STA. 13+46 TO STA. 14+24.
3. UMPAWAUG ROAD INTERSECTION EXTENDS FROM STA. 14+08 TO STA. 15+83 LT.

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 4" HMA S0.5 (PLACE IN TWO EQUAL LIFTS)
3. 3" HMA S1.0 (ONE LIFT)
4. 12" SUBBASE
5. MBR TYPE R-B 350 (AS SHOWN ON PLANS)
6. 4" TOPSOIL AND TURF ESTABLISHMENT
7. PAVEMENT FOR RAILING
8. EXISTING GRADE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**
CHECKED BY: **AML**
SCALE IN FEET 0 5 10
SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_TYP-02.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

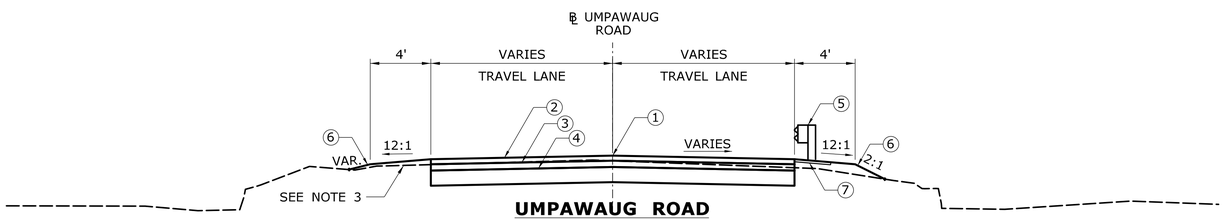
PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

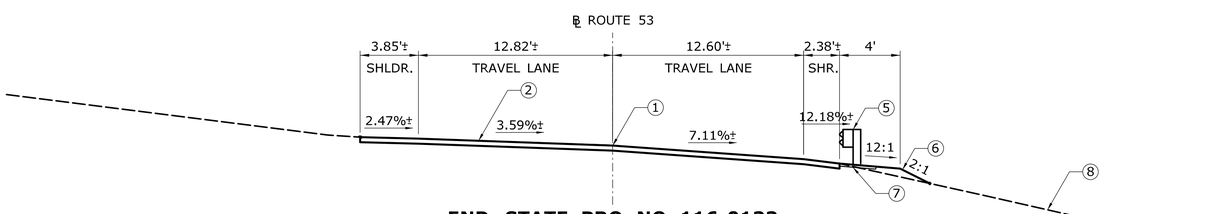
DRAWING TITLE: **TYPICAL SECTION**

PROJECT NO. **116-133**
DRAWING NO. **TYP-02**
SHEET NO. **03.03**

TYPICAL SECTIONS



UMPAWAUG ROAD
TYPICAL SECTION
STA. 52+19.23 TO
STA. 53+38.71



END STATE PRO. NO. 116-0133
FAP NO. 0053(109)
STA. 16+14
MATCH EXISTING

NOTES

1. UMPAWAUG ROAD INTERSECTION EXTENDS FROM STA. 14+08 TO STA. 15+83 LT.
2. UMPAWAUG ROAD LIMIT OF CONSTRUCTION IS STA. 52+19.23.
3. SEE PLN-01 FOR LOCATION OF WILDLIFE BARRIER ALONG UMPAWAUG ROAD.

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 4" HMA S0.5 (PLACE IN TWO EQUAL LIFTS)
3. 3" HMA S1.0 (ONE LIFT)
4. 12" SUBBASE
5. MBR TYPE R-B 350 (AS SHOWN ON PLANS)
6. 4" TOPSOIL AND TURF ESTABLISHMENT
7. PAVEMENT FOR RAILING
8. EXISTING GRADE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG
CHECKED BY: AML
SCALE IN FEET 0 5 10
SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_TYP-03.dgn

SIGNATURE/BLOCK:
STATE OF CONNECTICUT ANDREW M. VESPOLI 30996 LICENSED PROFESSIONAL ENGINEER
Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

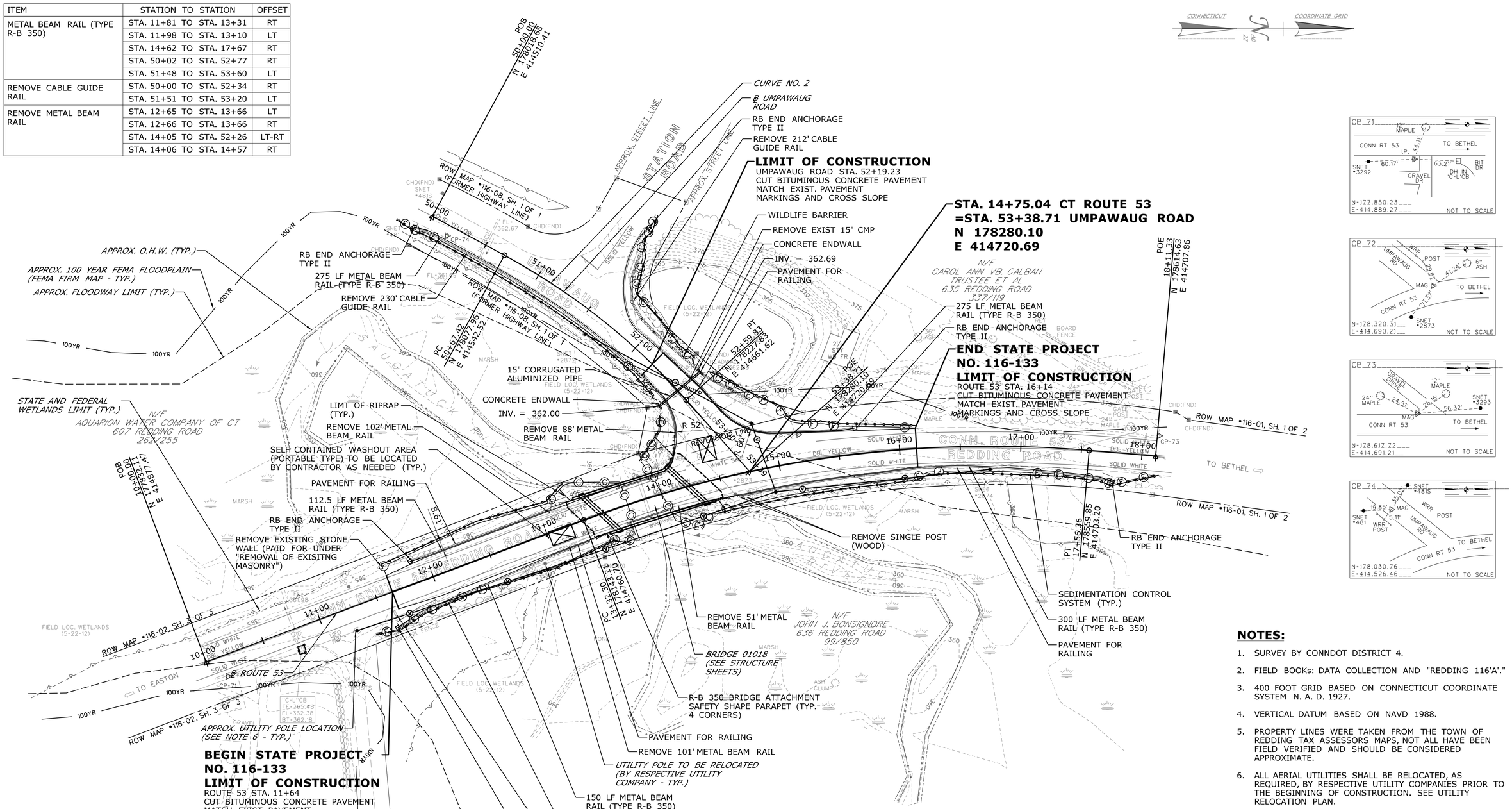
PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

DRAWING TITLE: **TYPICAL SECTION**

PROJECT NO. **116-133**
DRAWING NO. **TYP-03**
SHEET NO. **03.04**

ITEM	STATION TO STATION	OFFSET
METAL BEAM RAIL (TYPE R-B 350)	STA. 11+81 TO STA. 13+31	RT
	STA. 11+98 TO STA. 13+10	LT
	STA. 14+62 TO STA. 17+67	RT
	STA. 50+02 TO STA. 52+77	RT
	STA. 51+48 TO STA. 53+60	LT
REMOVE CABLE GUIDE RAIL	STA. 50+00 TO STA. 52+34	RT
	STA. 51+51 TO STA. 53+20	LT
REMOVE METAL BEAM RAIL	STA. 12+65 TO STA. 13+66	LT
	STA. 12+66 TO STA. 13+66	RT
	STA. 14+05 TO STA. 52+26	LT-RT
	STA. 14+06 TO STA. 14+57	RT



NOTES:

1. SURVEY BY CONNDOT DISTRICT 4.
2. FIELD BOOKs: DATA COLLECTION AND "REDDING 116'A'."
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N. A. D. 1927.
4. VERTICAL DATUM BASED ON NAVD 1988.
5. PROPERTY LINES WERE TAKEN FROM THE TOWN OF REDDING TAX ASSESSORS MAPS, NOT ALL HAVE BEEN FIELD VERIFIED AND SHOULD BE CONSIDERED APPROXIMATE.
6. ALL AERIAL UTILITIES SHALL BE RELOCATED, AS REQUIRED, BY RESPECTIVE UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION. SEE UTILITY RELOCATION PLAN.
7. THE COST OF RESETTING MAILBOX SHALL BE INCLUDED IN THE COST OF "CLEARING AND GRUBBING" AND SHALL NOT BE MEASURED FOR PAYMENT.
8. THE COST OF THE SELF CONTAINED WASHOUT AREA SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE OVERALL COST OF THE PROJECT.

ROUTE 53	UMPAWAUG ROAD
CURVE NO. 1	CURVE NO. 2
R = 955.37'	R = 550.00'
L = 424.06'	L = 192.41'
DELTA = 25° 25' 54.65"	DELTA = 20° 02'37.38"
P.I. N 178345.04, E 414684.94	P.I. N 178163.41, E 414588.83

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG
CHECKED BY: AML
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_PLN.dgn

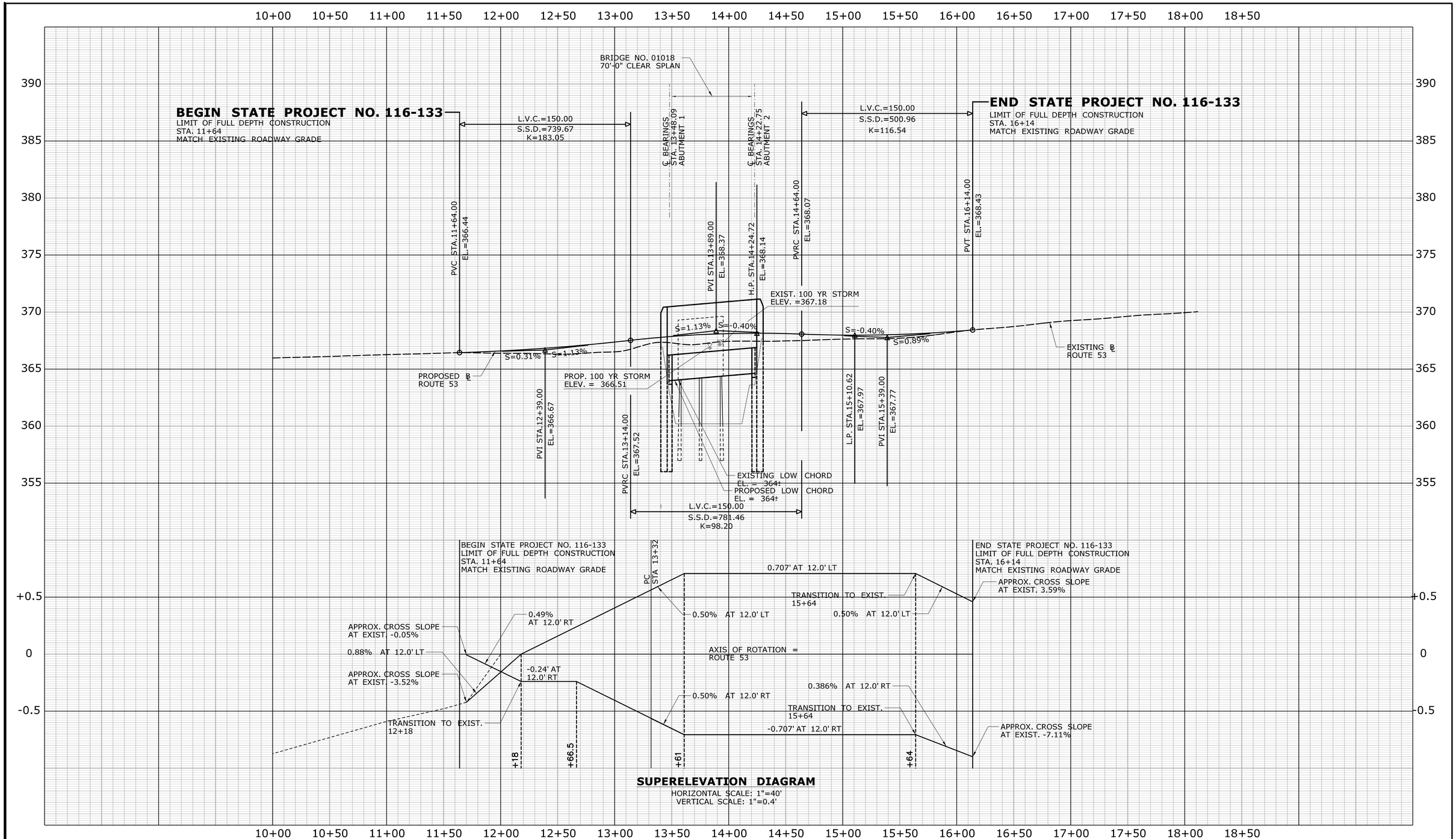
SIGNATURE/BLOCK:
STATE OF CONNECTICUT ANDREW M. LEGGO 30393 LICENSED PROFESSIONAL ENGINEER
Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: REDDING

DRAWING TITLE: ROADWAY PLAN

PROJECT NO. 116-133
DRAWING NO. PLN-01
SHEET NO. 03.05



SUPERELEVATION DIAGRAM

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=0.4'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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-	-	-	-
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**
CHECKED BY: **AML**
HORIZ. SCALE IN FEET 0 40 80
VERT. SCALE IN FEET 0 4 8

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_PRO-01.dgn

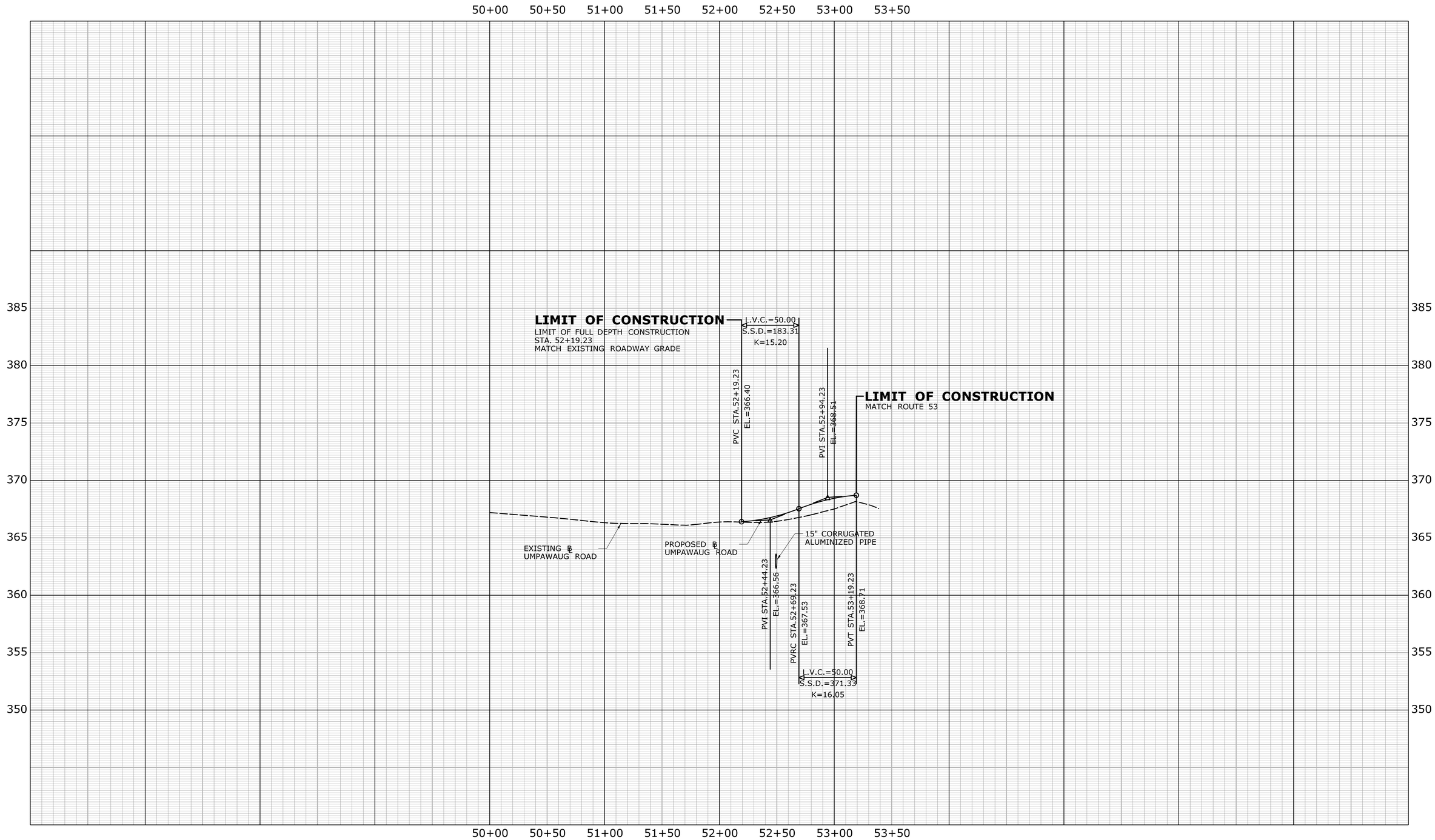
SIGNATURE/BLOCK:
Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

DRAWING TITLE: **PROFILE**

PROJECT NO. **116-133**
DRAWING NO. **PRO-01**
SHEET NO. **03.06**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**

CHECKED BY: **AML**

HORIZ. SCALE IN FEET 0 40 80

VERT. SCALE IN FEET 0 4 8

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_PRO-02.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT
ROBIN M. LEGARD
NO. 29594
LICENSED PROFESSIONAL ENGINEER

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

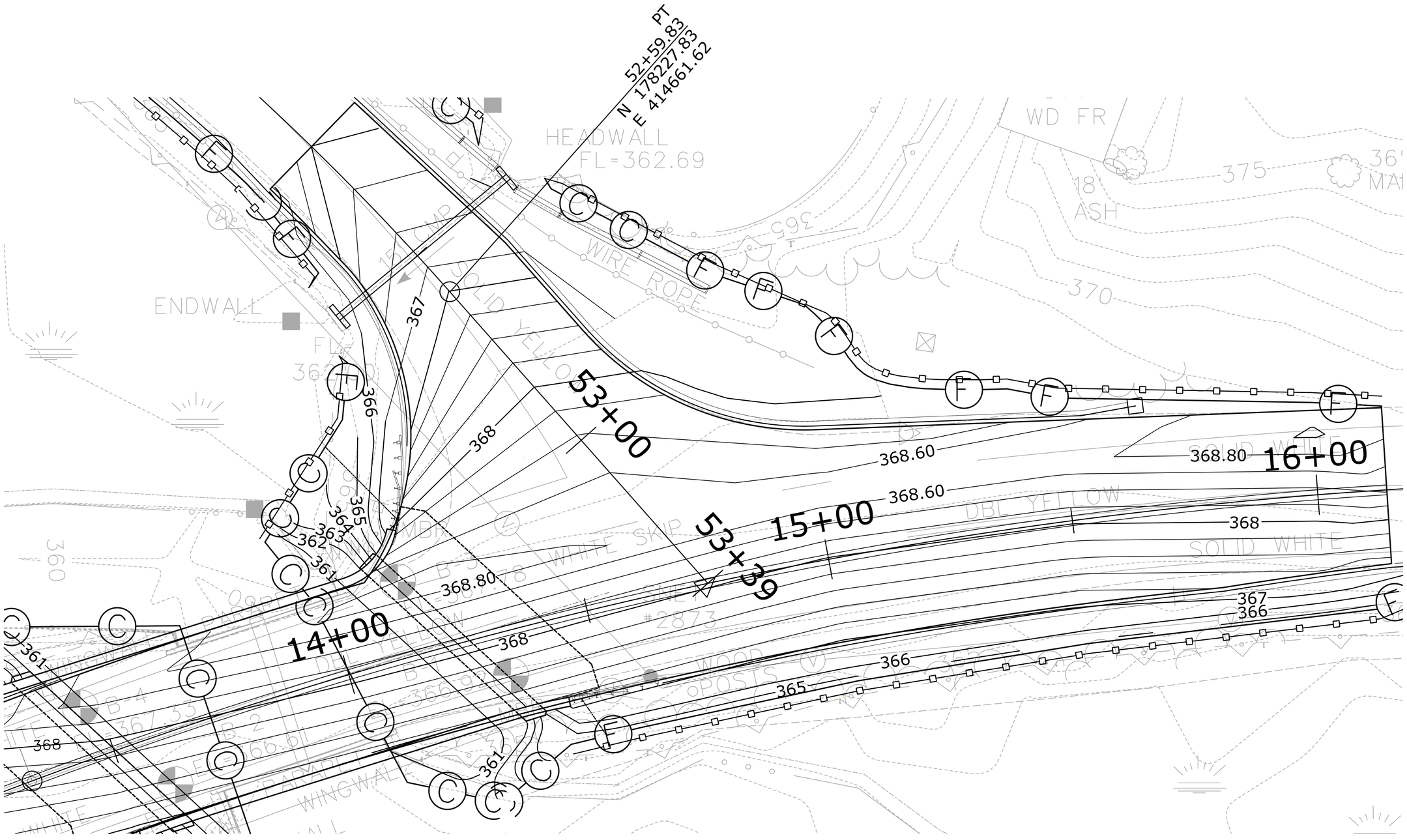
TOWN: **REDDING**

DRAWING TITLE: **PROFILE**

PROJECT NO. **116-133**

DRAWING NO. **PRO-02**

SHEET NO. **03.07**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**

CHECKED BY: **AML**

SCALE IN FEET
0 10 20
SCALE 1"=10'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_IGP.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT
GREGORY M. LEGARE
LICENSED
PROFESSIONAL ENGINEER
No. 29342

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

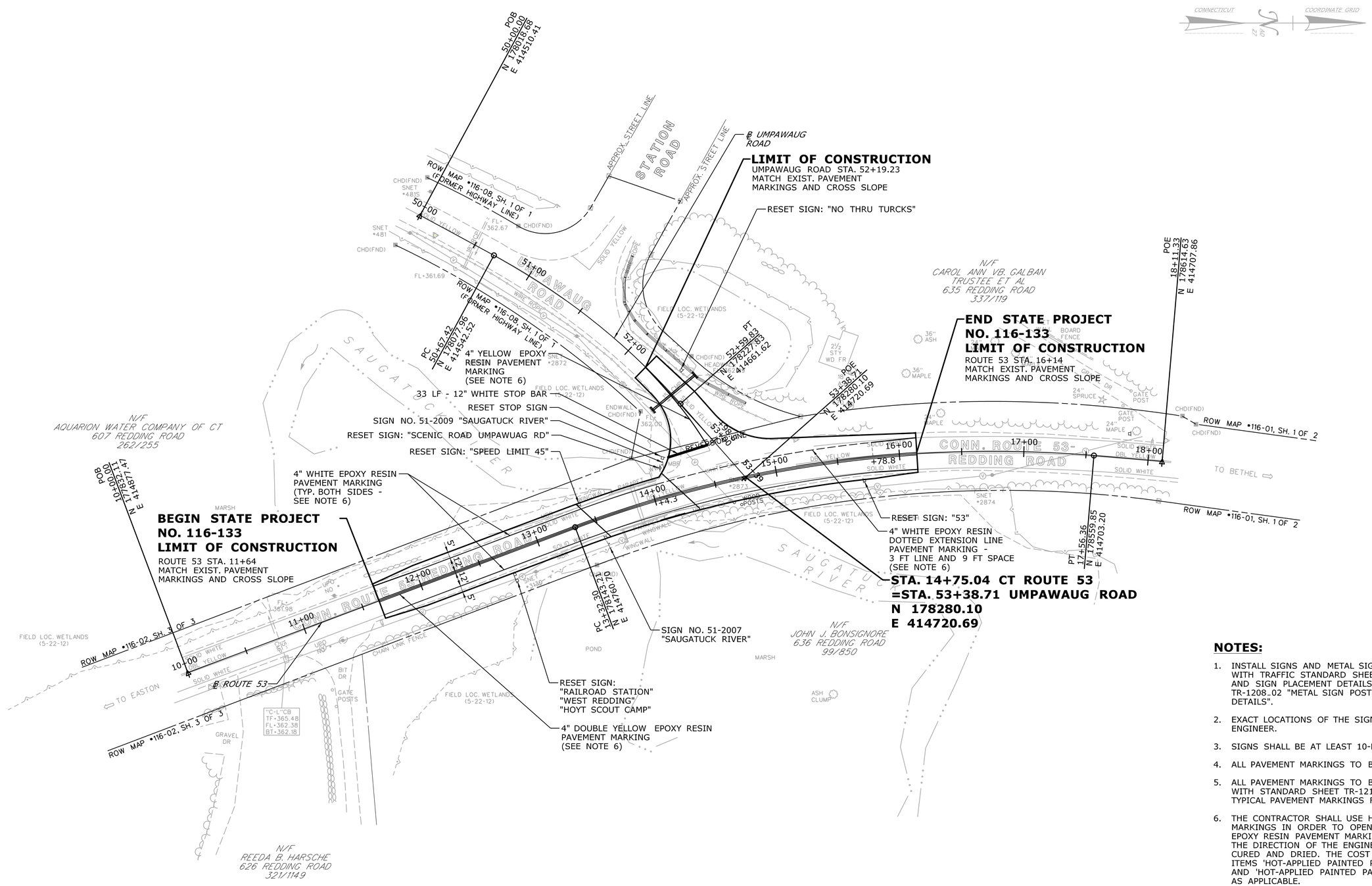
TOWN: **REDDING**

DRAWING TITLE: **INTERSECTION GRADING PLAN**

PROJECT NO. **116-133**

DRAWING NO. **IGP-01**

SHEET NO. **03.08**



NOTES:

1. INSTALL SIGNS AND METAL SIGN POSTS IN ACCORDANCE WITH TRAFFIC STANDARD SHEETS TR-1208_01 "SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN" AND TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
2. EXACT LOCATIONS OF THE SIGN TO BE VERIFIED BY ENGINEER.
3. SIGNS SHALL BE AT LEAST 10-FEET FROM ALL UTILITY POLES.
4. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.
5. ALL PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET TR-1210_03 "SPECIAL DETAILS AND TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS".
6. THE CONTRACTOR SHALL USE HOT APPLIED PAINTED PAVEMENT MARKINGS IN ORDER TO OPEN THE ROADWAY TO TRAFFIC. EPOXY RESIN PAVEMENT MARKINGS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER ONCE THE PAVEMENT IS CURED AND DRIED. THE COST SHALL BE COVERED UNDER THE ITEMS 'HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" WHITE' AND 'HOT-APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW' AS APPLICABLE.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG
CHECKED BY: AML
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_116-0133_SPM.dgn

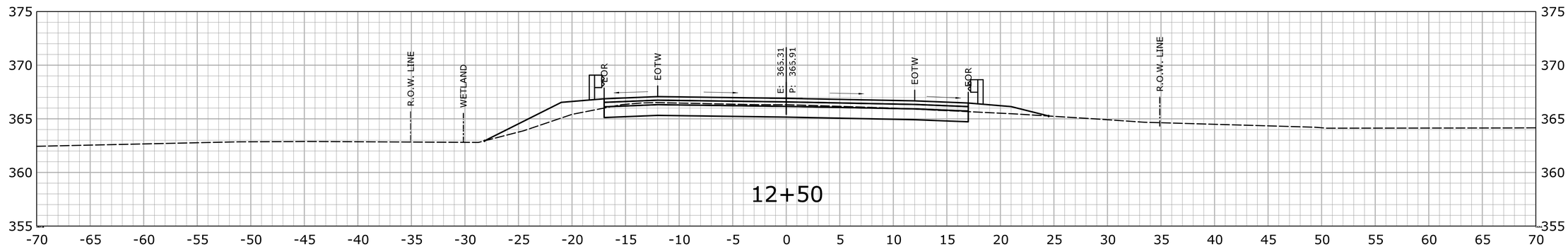
SIGNATURE/BLOCK:
Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

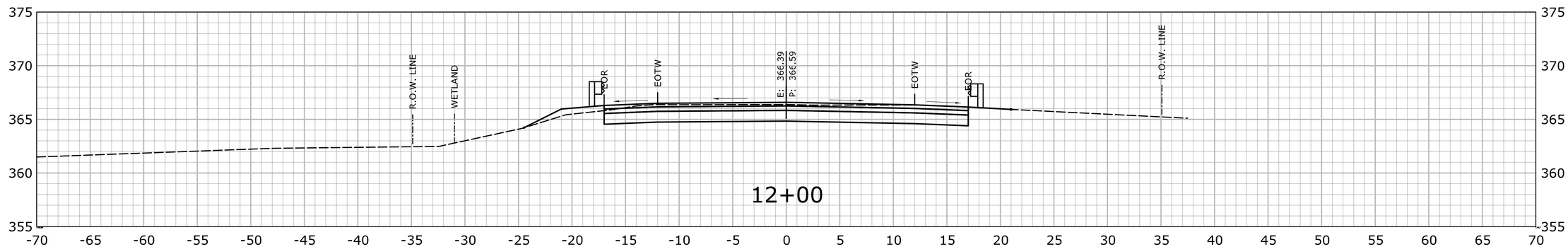
PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

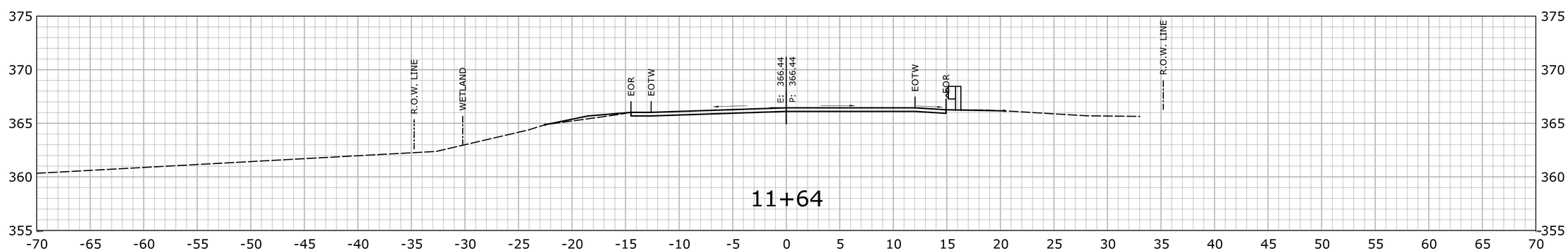
TOWN: REDDING

DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN

PROJECT NO. 116-133
DRAWING NO. SPM-01
SHEET NO. 03.09







STA.11+64 TO STA.12+50

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**

CHECKED BY: **AML**

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_XSC-01.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

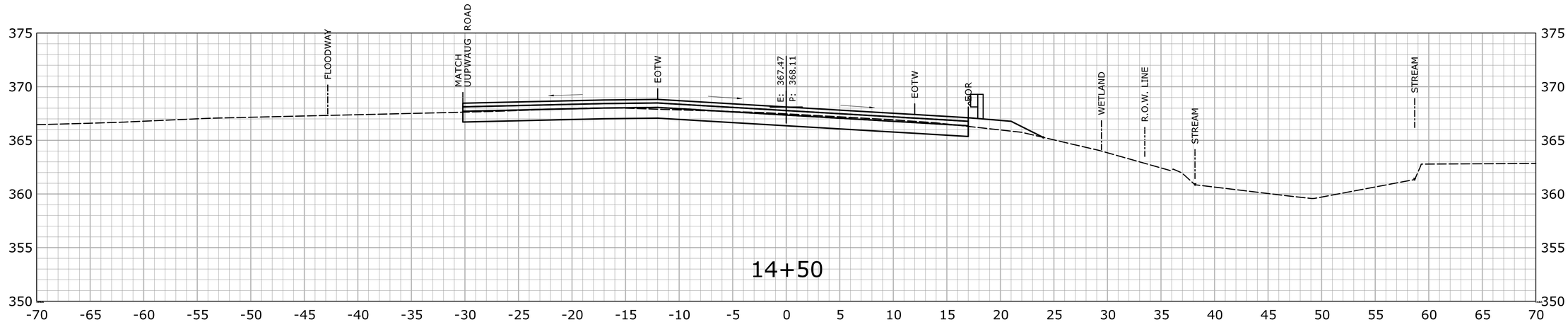
TOWN: **REDDING**

DRAWING TITLE: **CROSS SECTIONS**

PROJECT NO. **116-133**

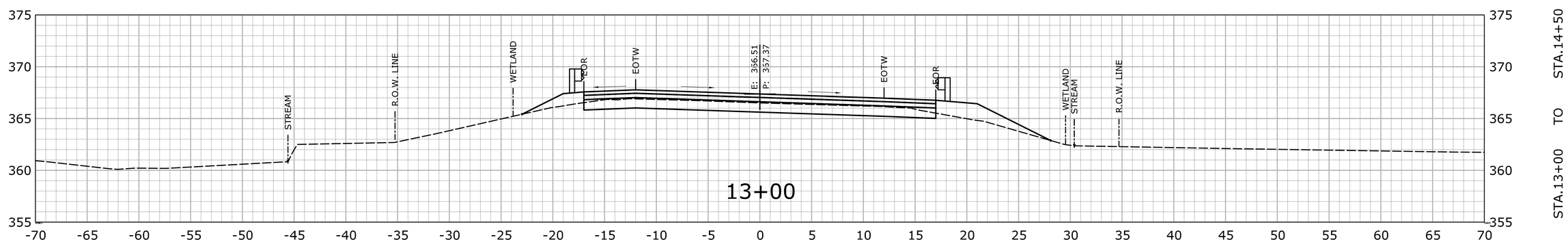
DRAWING NO. **XSC-01**

SHEET NO. **03.10**



SEE BRIDGE SHEETS

STA 13+48.09 TO STA 14+22.75



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**

CHECKED BY: **AML**

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_XSC-02.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

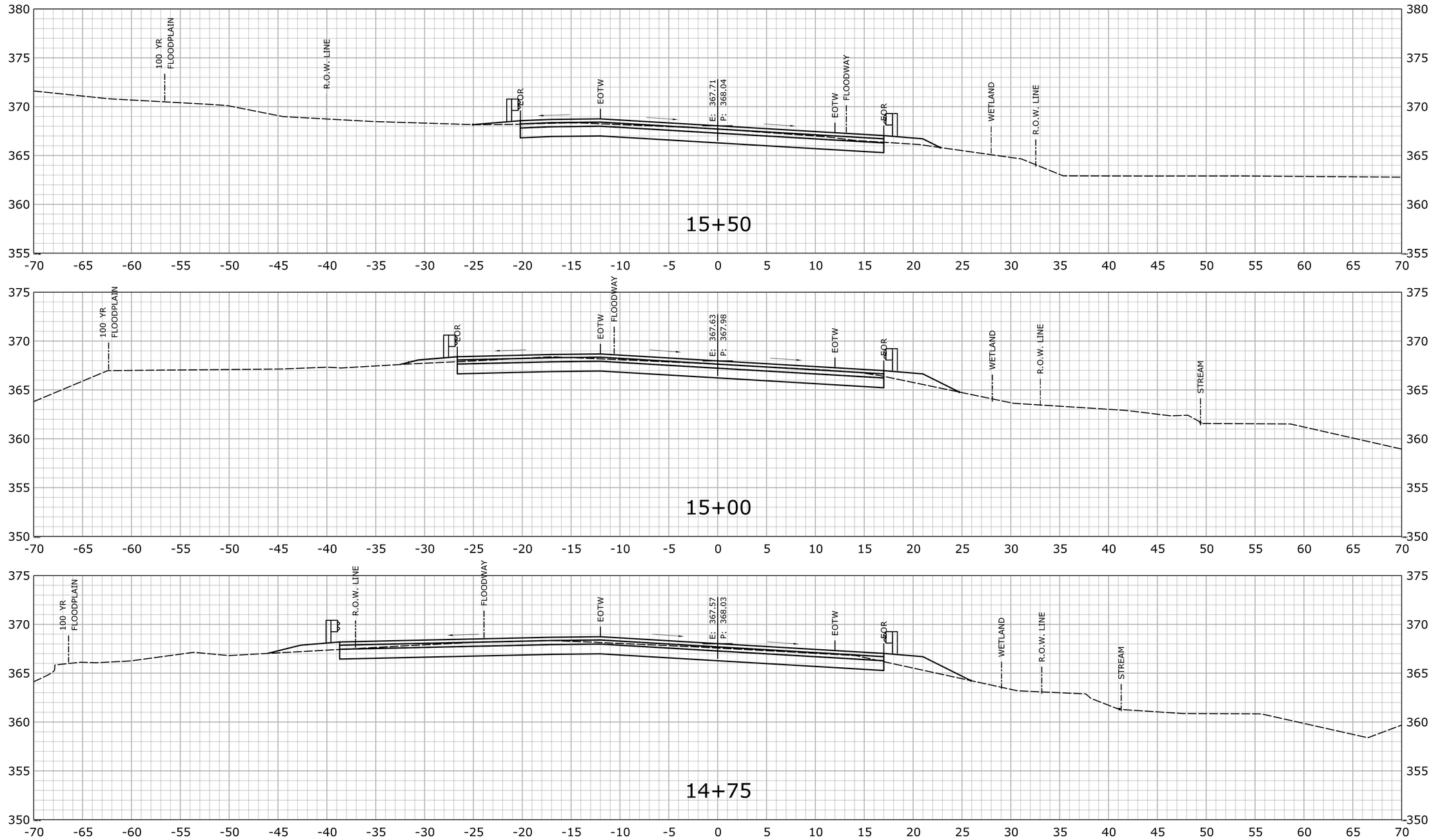
TOWN: **REDDING**

DRAWING TITLE: **CROSS SECTIONS**

PROJECT NO. **116-133**

DRAWING NO. **XSC-02**

SHEET NO. **03.11**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: **TFD/KG**

CHECKED BY: **AML**

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_XSC-03.dgn

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PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

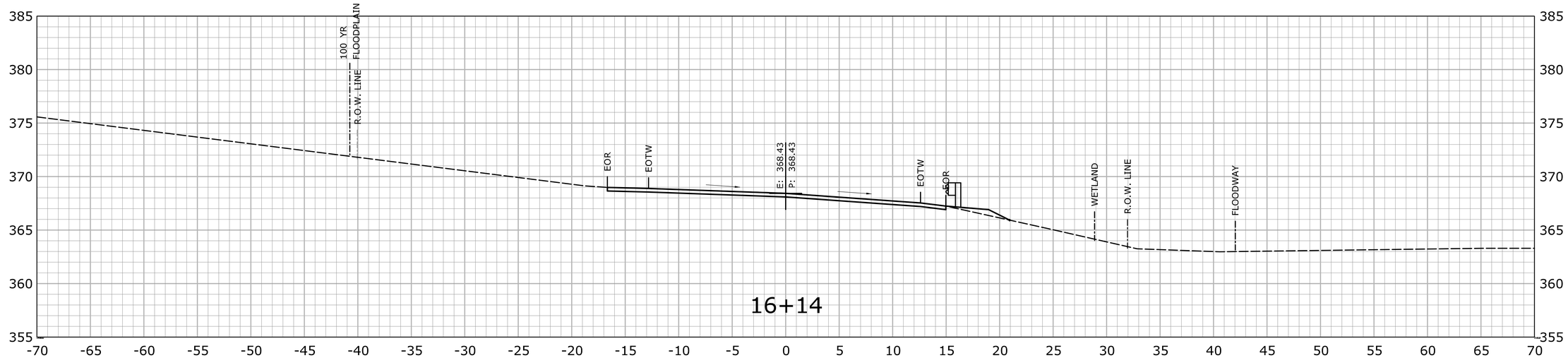
TOWN: **REDDING**

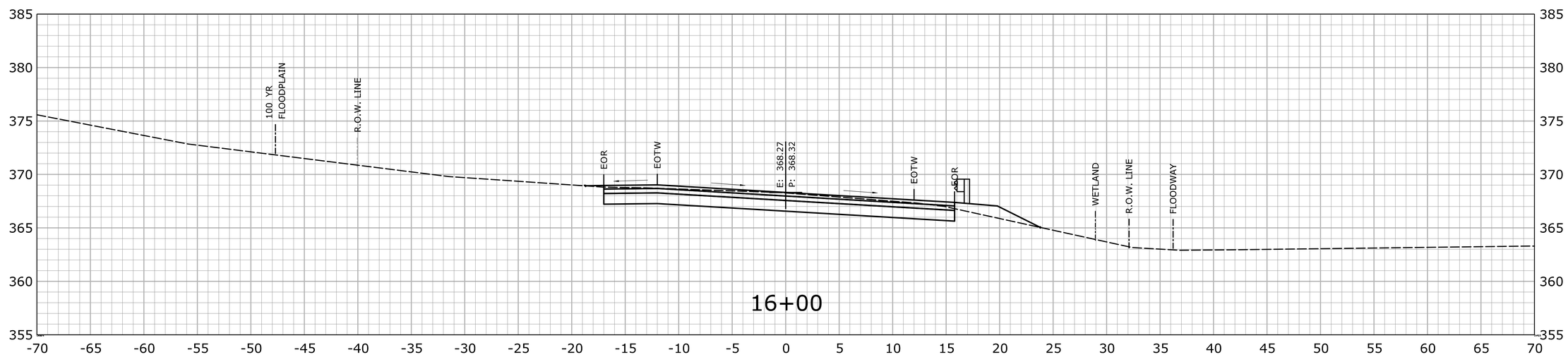
DRAWING TITLE: **CROSS SECTIONS**

PROJECT NO. **116-133**

DRAWING NO. **XSC-03**

SHEET NO. **03.12**





STA.16+00 TO STA.16+14

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG

CHECKED BY: AML

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_XSC-04.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

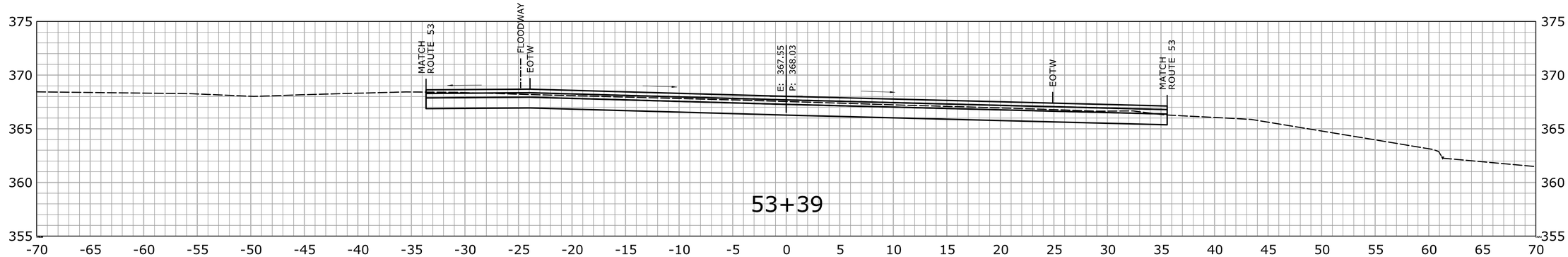
TOWN: **REDDING**

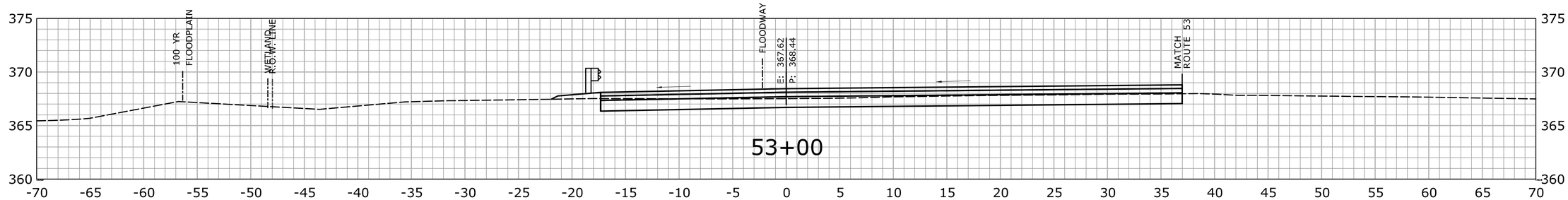
DRAWING TITLE: **CROSS SECTIONS**

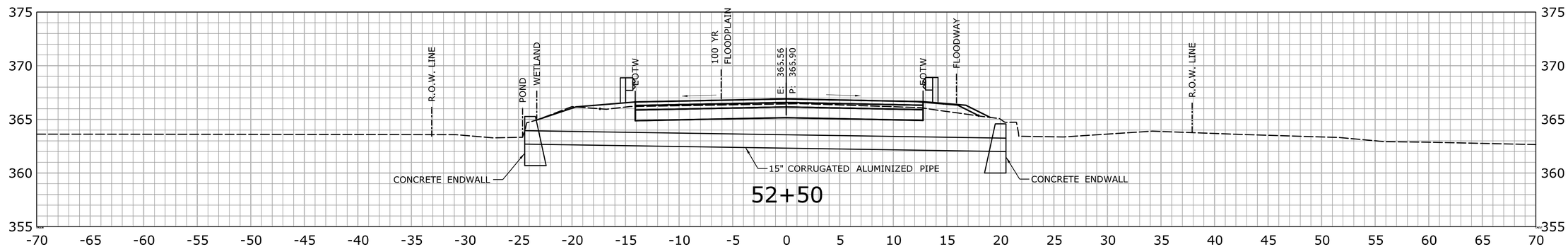
PROJECT NO. 116-133

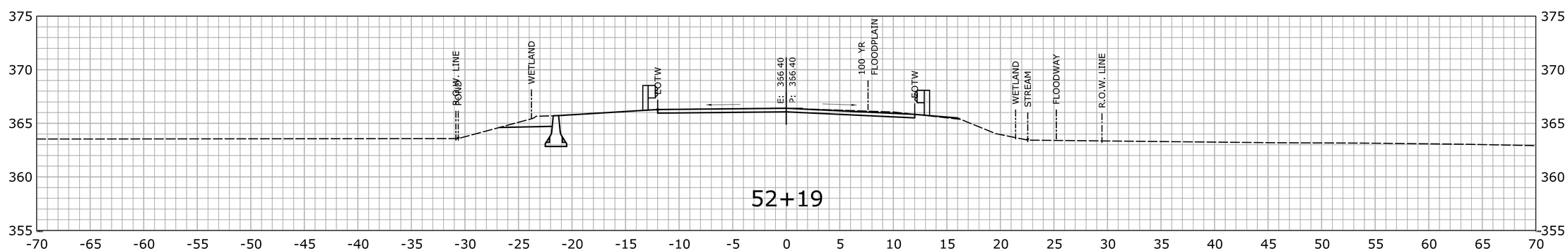
DRAWING NO. XSC-04

SHEET NO. 03.13









STA.52+19 TO STA.53+39

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 7/29/2015

DESIGNER/DRAFTER: TFD/KG
CHECKED BY: AML
SCALE IN FEET 0 5 10
SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\HW_XSC-05.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
55 Church Street
Suite 601
New Haven, CT 06510

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 01018, ROUTE 53 OVER SAUGATUCK RIVER

TOWN: **REDDING**

DRAWING TITLE: **CROSS SECTIONS**

PROJECT NO. **116-133**
DRAWING NO. **XSC-05**
SHEET NO. **03.14**