03 - HIGHWAYS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
HWY-01	HIGHWAY INDEX		
TYP-01	TYPICAL SECTIONS		
TYP-02	TYPICAL SECTIONS		
PLN-01	ROADWAY PLAN		
PRO-01	PROFILE		
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.
2321 WHITNEY AVENUE
HAMDEN, CT 06518

STATE OF CONNECTICUT
ANDREW M. LESSARD
Andrew M Lessard
2014.11.18
13:49:08
-05'00'

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: 11/18/2014

DESIGNER/DRAFTER: KG
CHECKED BY: AML

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Highways\03_TITLESHEET.dgn

SIGNATURE/BLOCK:
STATE OF CONNECTICUT ANDREW M. LESSARD
Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

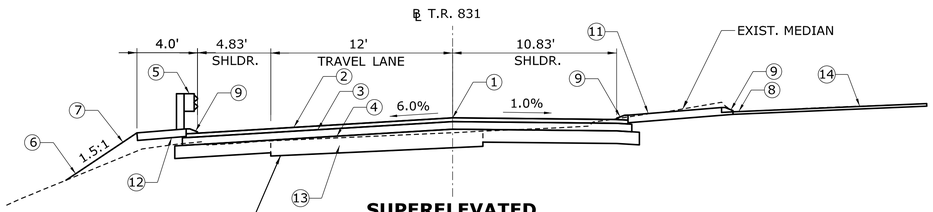
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

TOWN: EAST HARTFORD

DRAWING TITLE: HIGHWAY INDEX

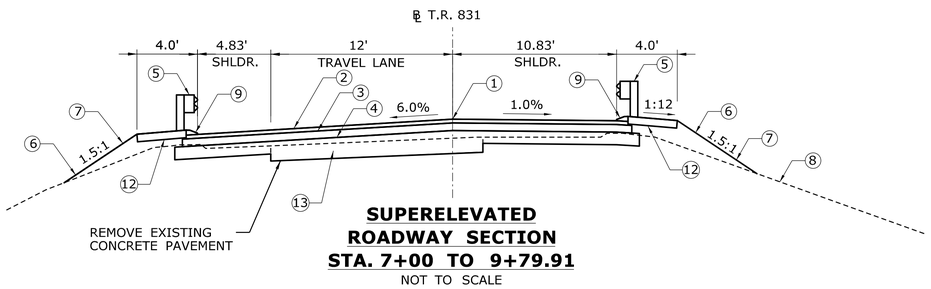
PROJECT NO. 042-316
DRAWING NO. HWY-01
SHEET NO. 03.03.01

Connecticut Department of Transportation
QA/QC Format Check



SUPERELEVATED ROADWAY SECTION
STA. 11+40.83 TO 12+54
NOT TO SCALE

STA. 9+79.91 TO 11+40.83
SEE STRUCTURE SHEETS
NOT TO SCALE



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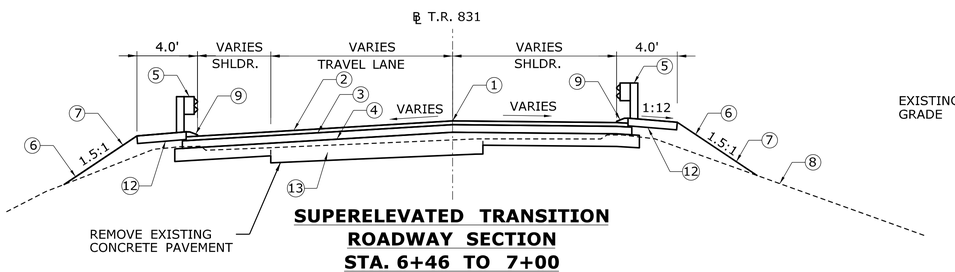
NOT TO SCALE



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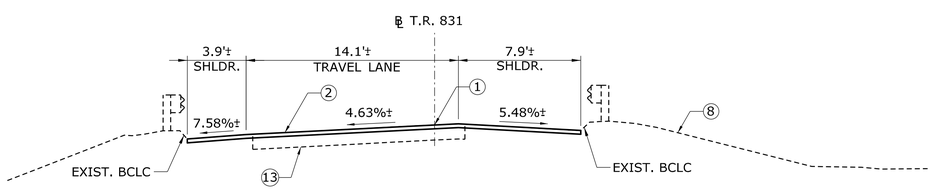
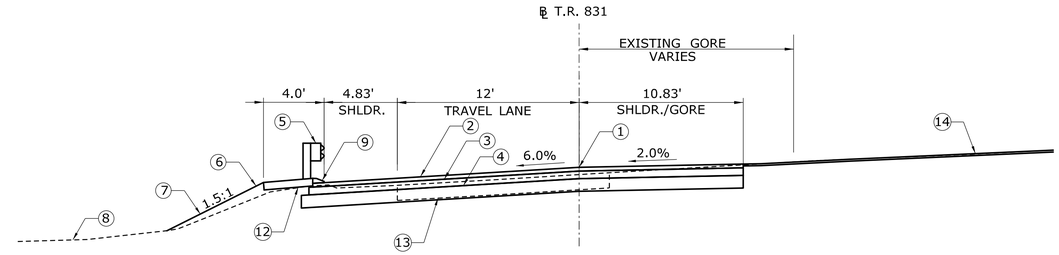
NOT TO SCALE



BEGIN STATE PRO. NO. 042-0316
STA. 6+46
MATCH EXISTING
NOT TO SCALE



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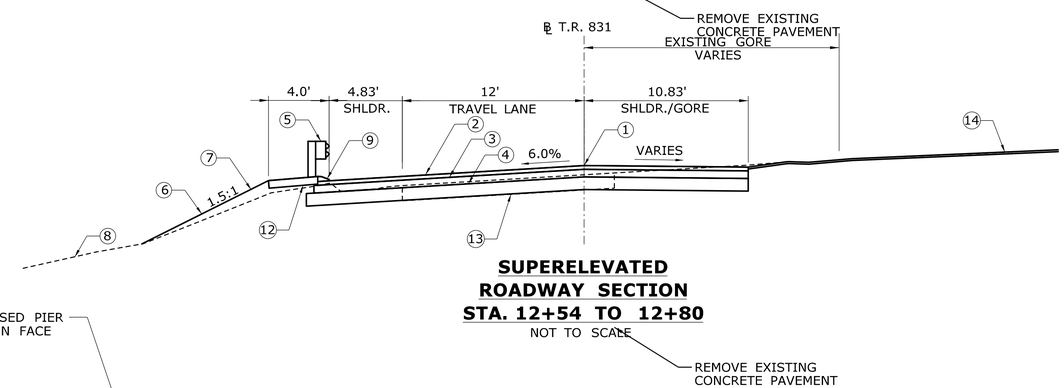
NOT TO SCALE



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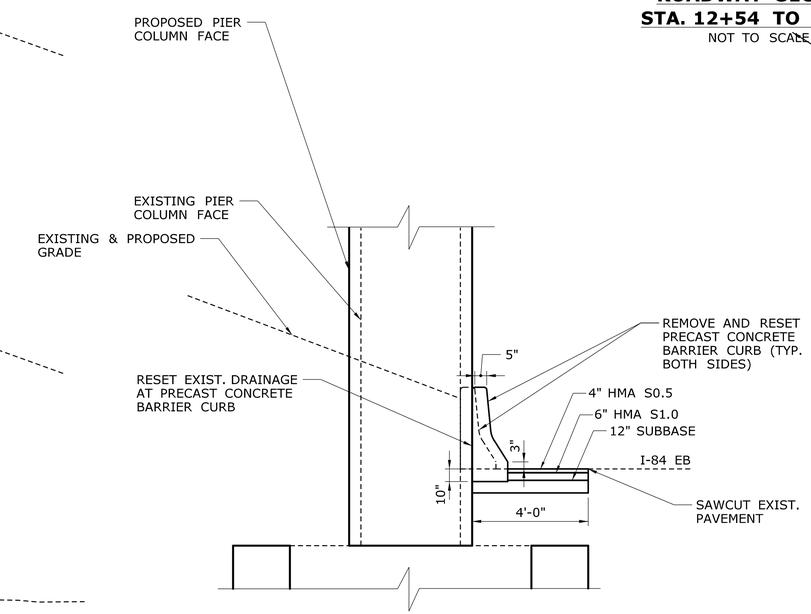
STA. 12+54 TO 12+80
NOT TO SCALE



PROPOSED I-84 EASTBOUND
PRECAST CONCRETE BARRIER RESET
TYP. BOTH SIDES
NOT TO SCALE

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 4" HMA S0.5 (PLACE IN TWO EQUAL LIFTS)
3. 5" HMA S1.0 (PLACE IN ONE LIFT)
4. 12" SUBBASE (FILL VOID LEFT FROM CONC. PAVEMENT REMOVAL)
5. MBR TYPE R-B 350 (AS SHOWN ON PLANS)
6. 4" TOPSOIL AND TURF ESTABLISHMENT
7. EROSION CONTROL MATTING
8. EXISTING GRADE
9. BITUMINOUS CONCRETE PARK CURBING (AS SHOWN ON PLANS)
10. PARAPET (SEE STRUCTURAL SHEETS)
11. 6" HMA S0.5
12. PAVEMENT FOR RAILING
13. EXISTING CONCRETE PAVEMENT
14. MILL AND OVERLAY 2" HMA S0.5 ON TACK COAT

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 11/18/2014

DESIGNER/DRAFTER: KG
CHECKED BY: JE
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_042-0316_TYP_1.dgn

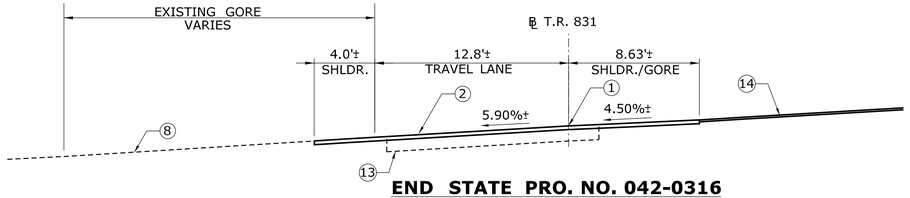
SIGNATURE/BLOCK:
Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

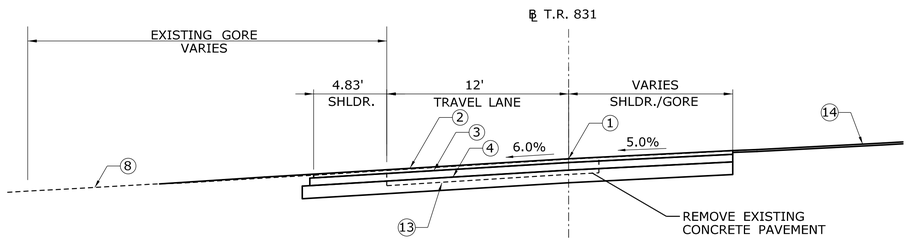
TOWN: **EAST HARTFORD**

DRAWING TITLE: **TYPICAL SECTIONS**

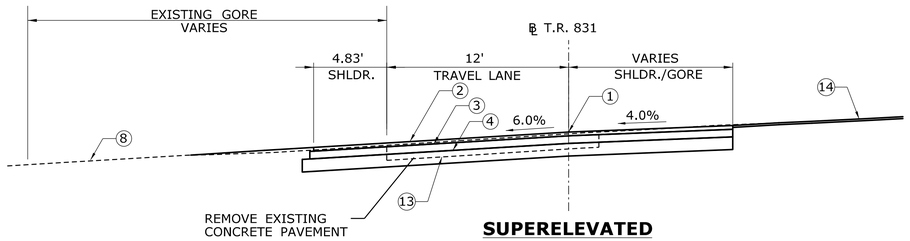
PROJECT NO. **042-316**
DRAWING NO. **TYP-01**
SHEET NO. **03.03.02**



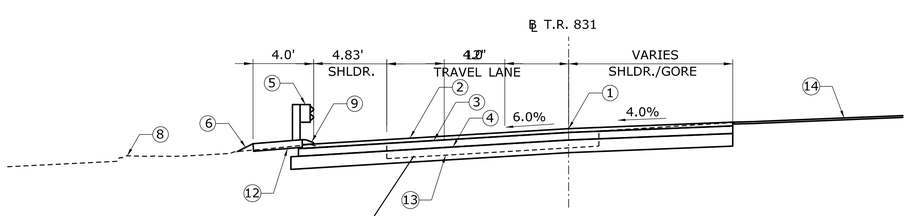
END STATE PRO. NO. 042-0316
STA. 13+90
MATCH EXISTING
NOT TO SCALE



SUPERELEVATED
ROADWAY SECTION
STA. 13+65 TO 13+90
NOT TO SCALE



SUPERELEVATED
ROADWAY SECTION
STA. 13+55 TO 13+65
NOT TO SCALE



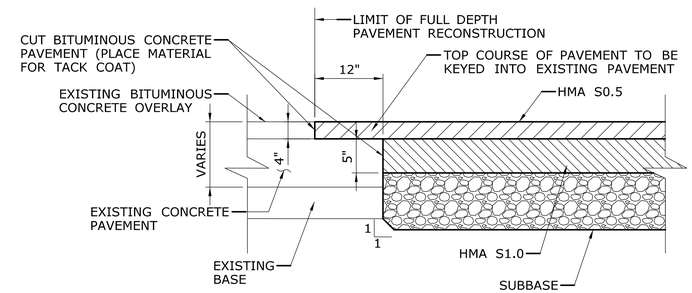
SUPERELEVATED
ROADWAY SECTION
STA. 13+30 TO 13+55
NOT TO SCALE

LEGEND

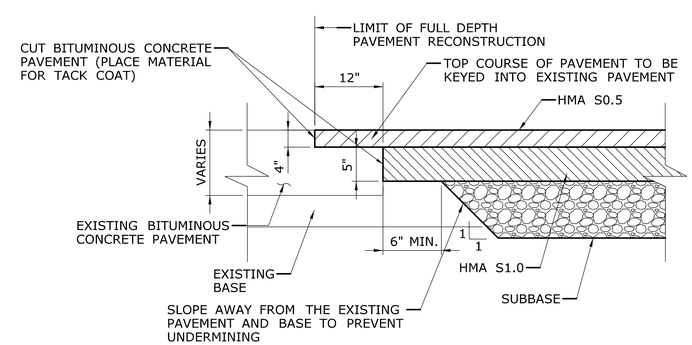
1. POINT OF APPLICATION OF GRADE
2. 4" HMA S0.5 (PLACE IN TWO EQUAL LIFTS)
3. 5" HMA S1.0 (PLACE IN ONE LIFT)
4. 12" SUBBASE (FILL VOID LEFT FROM CONC. PAVEMENT REMOVAL)
5. MBR TYPE R-B 350 (AS SHOWN ON PLANS)
6. 4" TOPSOIL AND TURF ESTABLISHMENT
7. EROSION CONTROL MATTING
8. EXISTING GRADE
9. BITUMINOUS CONCRETE PARK CURBING (AS SHOWN ON PLANS)
10. PARAPET (SEE STRUCTURAL SHEETS)
11. 6" HMA S0.5
12. PAVEMENT FOR RAILING
13. EXISTING CONCRETE PAVEMENT
14. MILL AND OVERLAY 2" HMA S0.5 ON TACK COAT

NOTES:

1. REFER TO BRIDGE SHEETS FOR APPROACH SLAB DETAILS AND LOCATION.
2. BRIDGE DECK EXTENDS FROM STA. 9+79.91 TO STA. 11+40.83.
3. MBR (TYPE R-B 350) TERMINATES NORTH OF THE BRIDGE AT STA. 13+27 LT.
4. 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 THE ASSOCIATED BID ITEMS. ALL WORK SHALL MEET THE APPROVAL OF THE ENGINEER.
5. SEE CROSS SECTIONS FOR LOCATIONS OF EXISTING CONCRETE PAVEMENT.



PAVEMENT TRANSITION DETAIL FOR
PLACEMENT AT EXISTING PAVEMENT
THROUGH TRAVEL LANES
NOT TO SCALE



PAVEMENT TRANSITION DETAIL FOR
PLACEMENT AT EXISTING PAVEMENT
SHOULDER AND GORE AREAS
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 11/18/2014

DESIGNER/DRAFTER: **KG**
CHECKED BY: **JE**
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_042-0316_TYP_2.dgn

SIGNATURE/BLOCK:
Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

TOWN: **EAST HARTFORD**

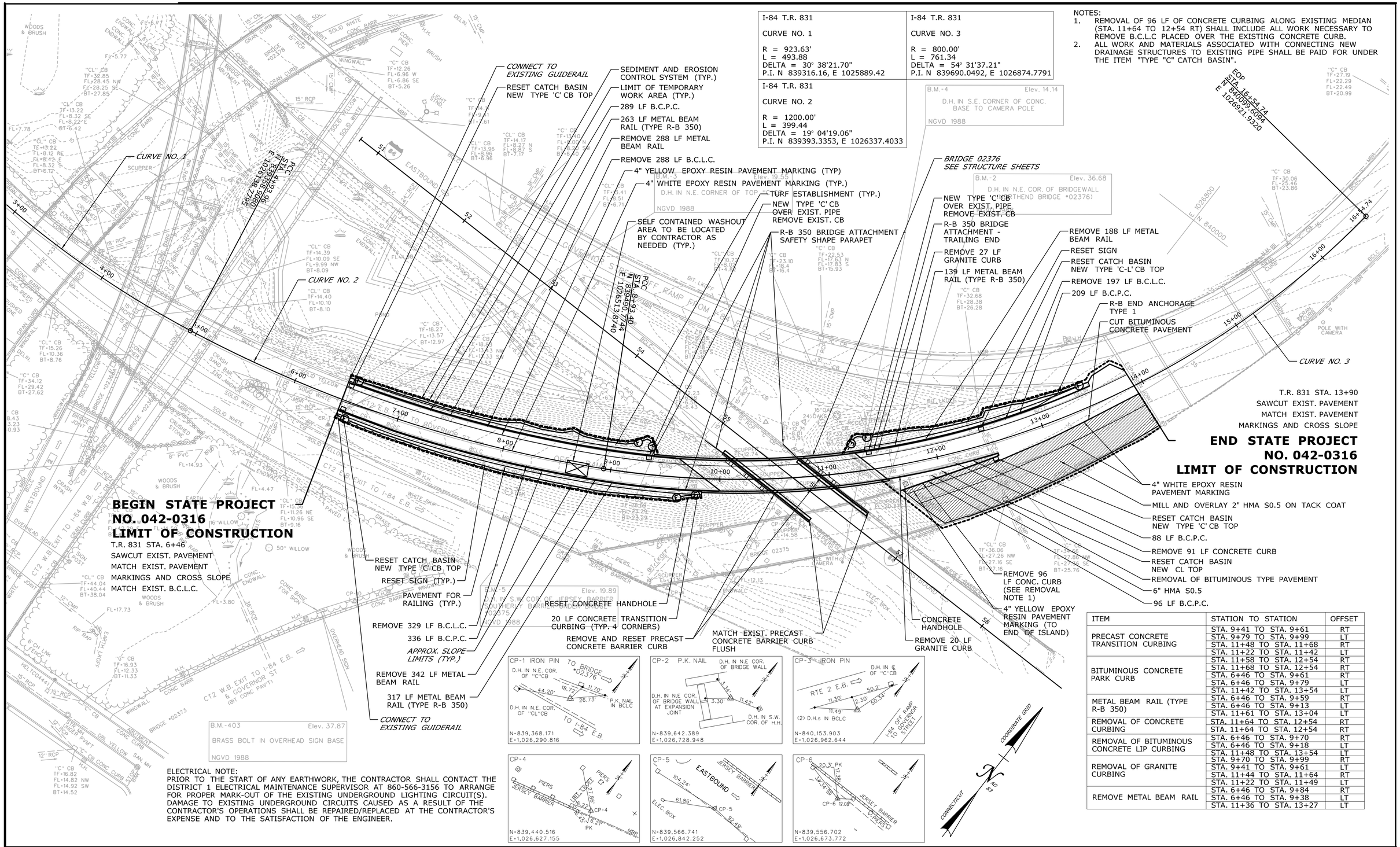
DRAWING TITLE: **TYPICAL SECTIONS**

PROJECT NO. **042-316**
DRAWING NO. **TYP-02**
SHEET NO. **03.03.03**

I-84 T.R. 831	I-84 T.R. 831
CURVE NO. 1 R = 923.63' L = 493.88 DELTA = 30° 38'21.70" P.I. N 839316.16, E 1025889.42	CURVE NO. 3 R = 800.00' L = 761.34 DELTA = 54° 31'37.21" P.I. N 839690.0492, E 1026874.7791
I-84 T.R. 831 CURVE NO. 2 R = 1200.00' L = 399.44 DELTA = 19° 04'19.06" P.I. N 839393.3353, E 1026337.4033	

NOTES:

1. REMOVAL OF 96 LF OF CONCRETE CURBING ALONG EXISTING MEDIAN (STA. 11+64 TO 12+54 RT) SHALL INCLUDE ALL WORK NECESSARY TO REMOVE B.C.L.C PLACED OVER THE EXISTING CONCRETE CURB.
2. ALL WORK AND MATERIALS ASSOCIATED WITH CONNECTING NEW DRAINAGE STRUCTURES TO EXISTING PIPE SHALL BE PAID FOR UNDER THE ITEM "TYPE "C" CATCH BASIN".



ITEM	STATION TO STATION	OFFSET
PRECAST CONCRETE TRANSITION CURBING	STA. 9+41 TO STA. 9+61	RT
	STA. 9+79 TO STA. 9+99	LT
	STA. 11+48 TO STA. 11+68	RT
	STA. 11+22 TO STA. 11+42	LT
BITUMINOUS CONCRETE PARK CURB	STA. 11+58 TO STA. 12+54	RT
	STA. 11+68 TO STA. 12+54	RT
	STA. 6+46 TO STA. 9+61	RT
	STA. 6+46 TO STA. 9+79	LT
	STA. 11+42 TO STA. 13+54	LT
METAL BEAM RAIL (TYPE R-B 350)	STA. 6+46 TO STA. 9+59	RT
	STA. 6+46 TO STA. 9+13	LT
	STA. 11+61 TO STA. 13+04	LT
REMOVAL OF CONCRETE CURBING	STA. 11+64 TO STA. 12+54	RT
	STA. 11+64 TO STA. 12+54	RT
REMOVAL OF BITUMINOUS CONCRETE LIP CURBING	STA. 6+46 TO STA. 9+70	RT
	STA. 6+46 TO STA. 9+18	LT
	STA. 11+48 TO STA. 13+54	LT
REMOVAL OF GRANITE CURBING	STA. 9+70 TO STA. 9+99	RT
	STA. 9+41 TO STA. 9+61	LT
	STA. 11+44 TO STA. 11+64	RT
	STA. 11+22 TO STA. 11+49	LT
REMOVE METAL BEAM RAIL	STA. 6+46 TO STA. 9+84	RT
	STA. 6+46 TO STA. 9+38	LT
	STA. 11+36 TO STA. 13+27	LT

ELECTRICAL NOTE:
PRIOR TO THE START OF ANY EARTHWORK, THE CONTRACTOR SHALL CONTACT THE DISTRICT 1 ELECTRICAL MAINTENANCE SUPERVISOR AT 860-566-3156 TO ARRANGE FOR PROPER MARK-OUT OF THE EXISTING UNDERGROUND LIGHTING CIRCUIT(S). DAMAGE TO EXISTING UNDERGROUND CIRCUITS CAUSED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 11/18/2014

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_042-0316_PLN.dgn

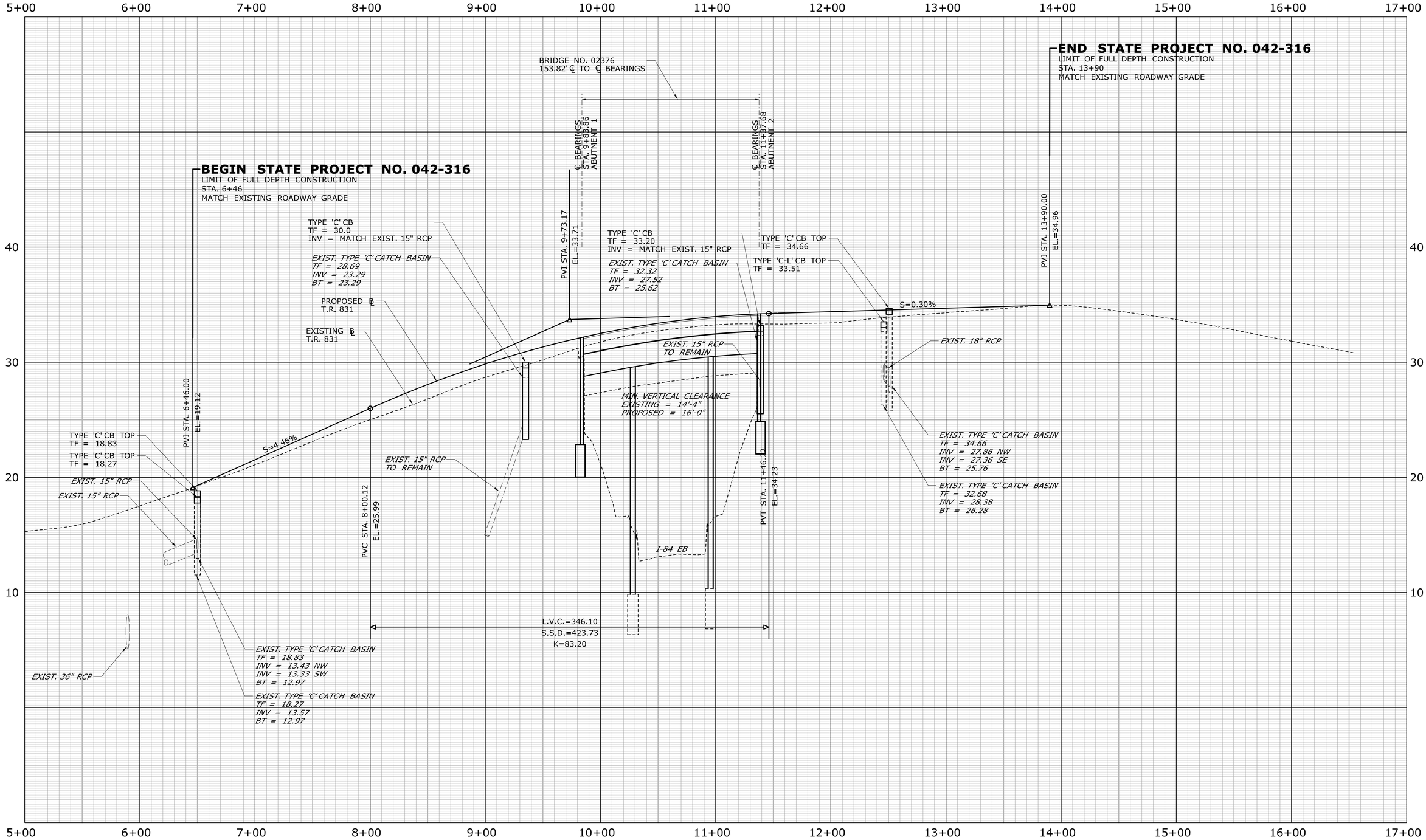
SIGNATURE/BLOCK:
STATE OF CONNECTICUT ANDREW M. VERANO NO. 29384 LICENSED PROFESSIONAL ENGINEER
Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

TOWN: EAST HARTFORD

DRAWING TITLE: ROADWAY PLAN

PROJECT NO. 042-316
DRAWING NO. PLN-01
SHEET NO. 03.03.04



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Plotted Date: 11/18/2014

DESIGNER/DRAFTER: **KG**

CHECKED BY: **AML**

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VERT. SCALE IN FEET 0 4 8

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_042_0316_PRO.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

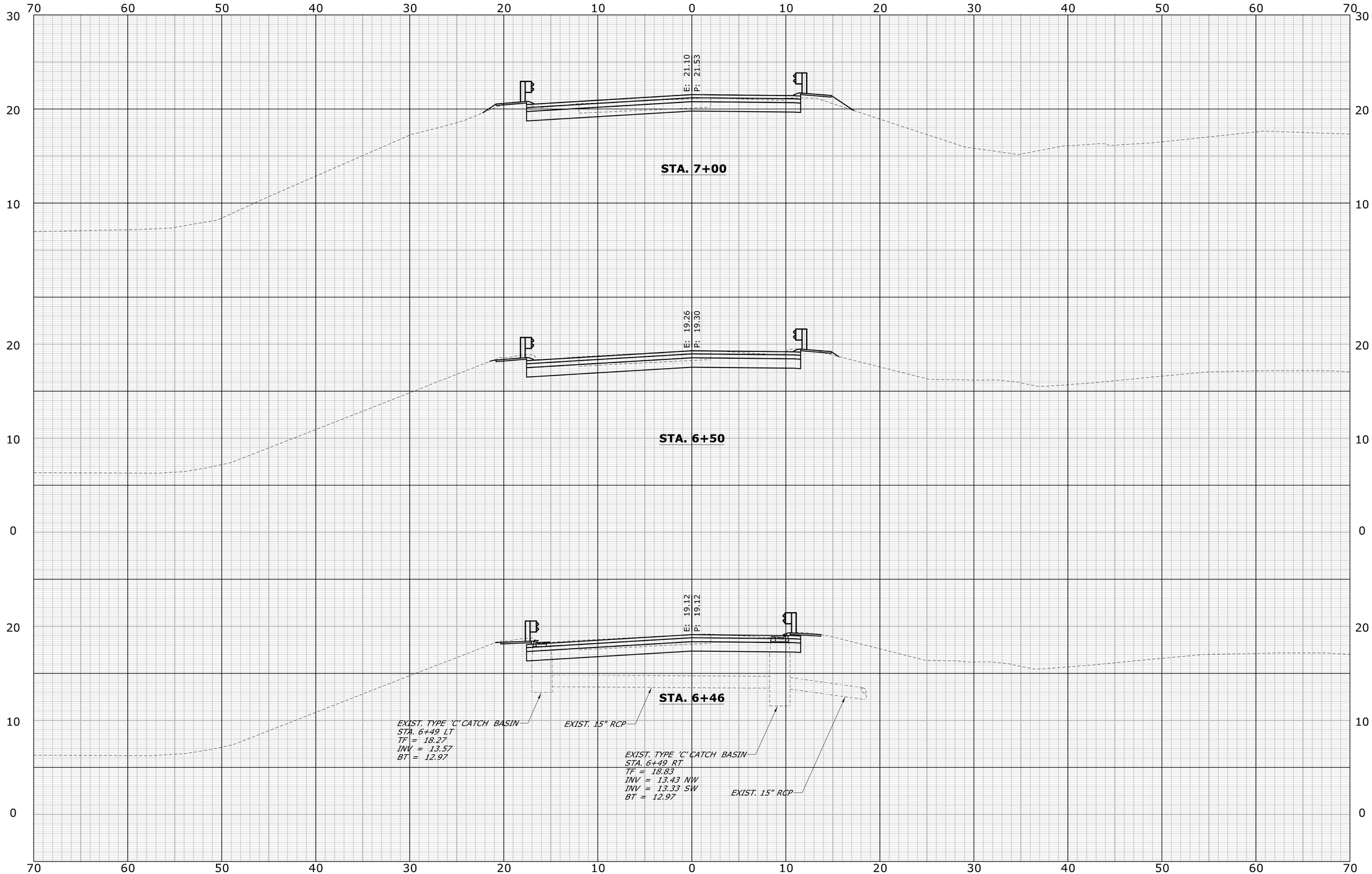
TOWN: **EAST HARTFORD**

DRAWING TITLE: **PROFILE**

PROJECT NO. **042-316**

DRAWING NO. **PRO-01**

SHEET NO. **03.03.05**



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Plotted Date: 11/18/2014

DESIGNER/DRAFTER: **KG**

CHECKED BY: **JE**

SCALE IN FEET

0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_XSC-01_042-0316.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

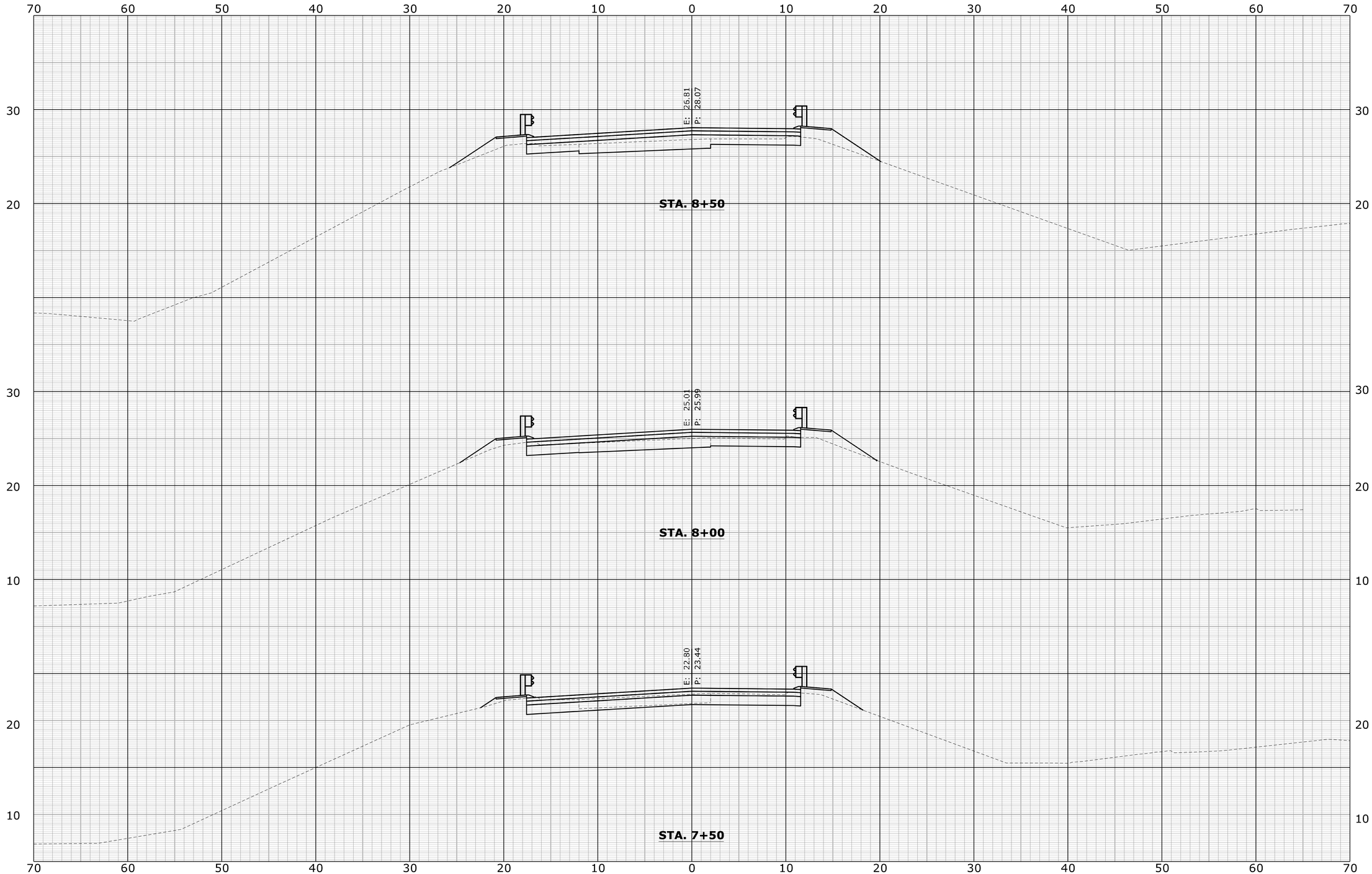
TOWN: **EAST HARTFORD**

DRAWING TITLE: **CROSS SECTIONS STA 6+46 TO 7+00**

PROJECT NO. **042-316**

DRAWING NO. **XSC-01**

SHEET NO. **03.03.06**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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CHECKED BY: JE

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_XSC-02_042-0316.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

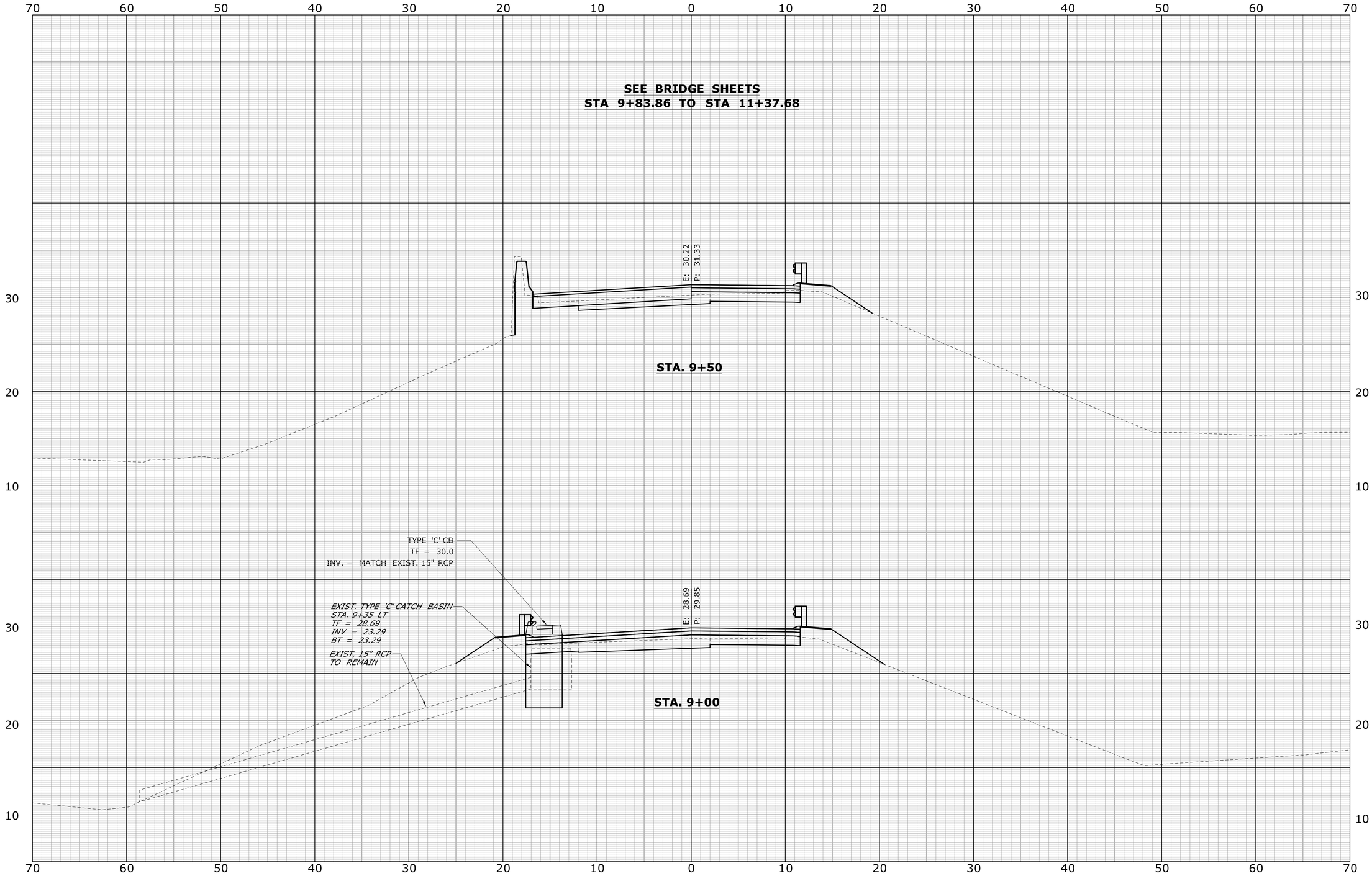
TOWN: **EAST HARTFORD**

DRAWING TITLE: **CROSS SECTIONS STA 7+50 TO 8+50**

PROJECT NO. **042-316**

DRAWING NO. **XSC-02**

SHEET NO. **03.03.07**



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DESIGNER/DRAFTER: **KG**

CHECKED BY: **JE**

SCALE IN FEET
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SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_XSC-03_042-0316.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

TOWN: **EAST HARTFORD**

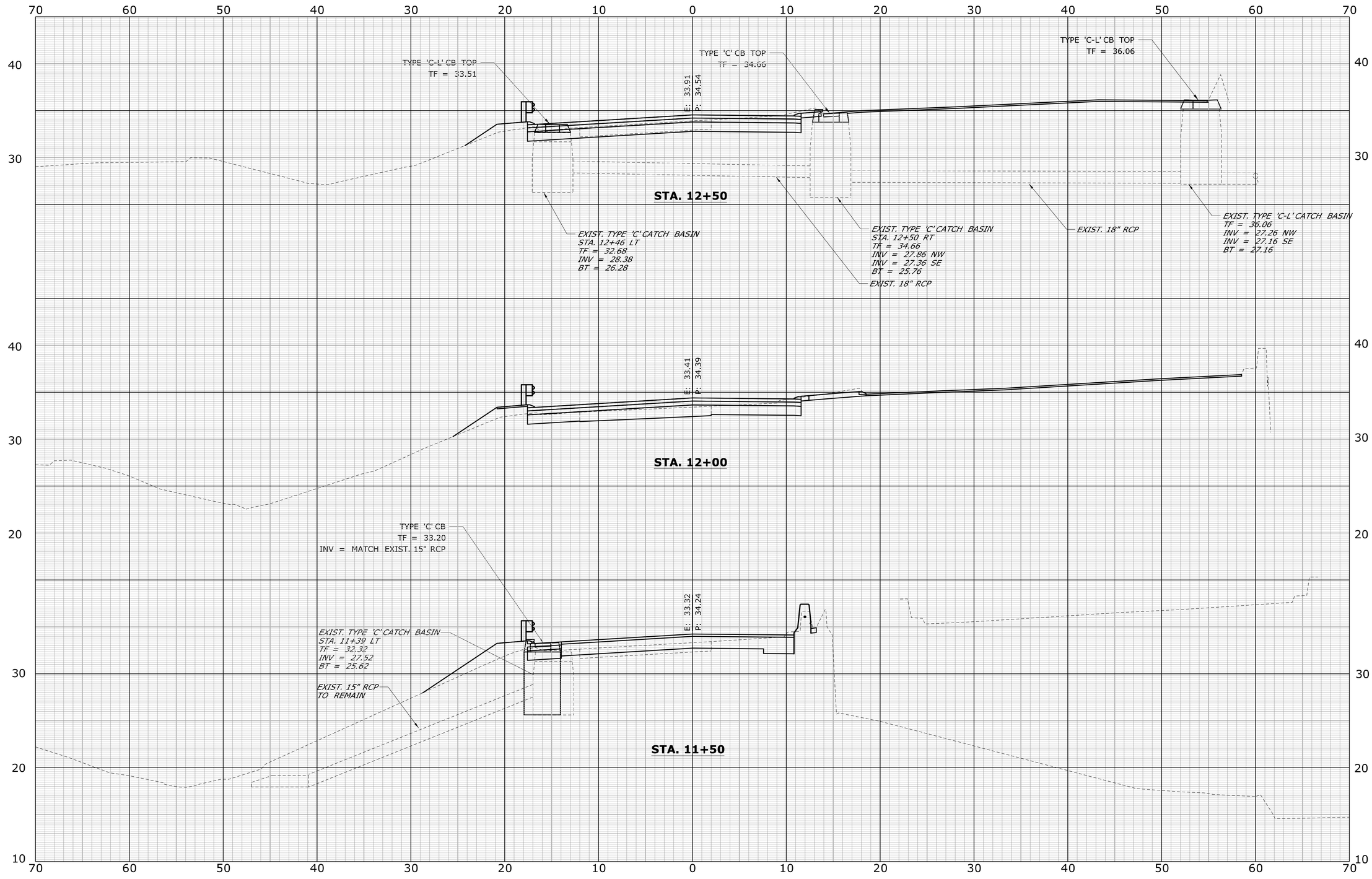
DRAWING TITLE:

CROSS SECTIONS
STA 9+00 TO 9+50

PROJECT NO. **042-316**

DRAWING NO. **XSC-03**

SHEET NO. **03.03.08**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: KG

CHECKED BY: JE

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_XSC-04_042-0316.dgn

SIGNATURE/BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

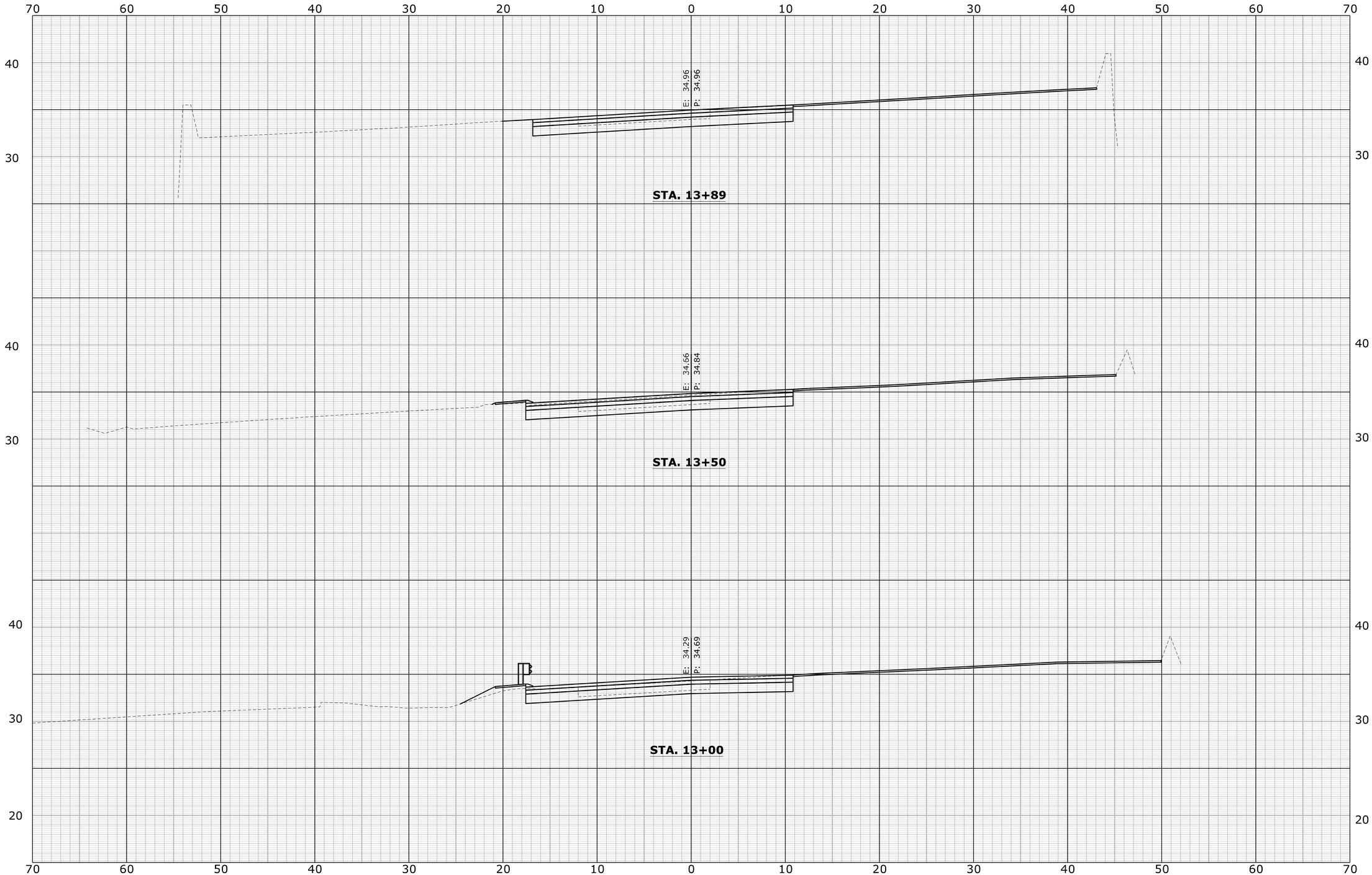
TOWN: **EAST HARTFORD**

DRAWING TITLE: **CROSS SECTIONS STA 11+50 TO 12+50**

PROJECT NO. **042-316**

DRAWING NO. **XSC-04**

SHEET NO. **03.03.09**



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: 11/18/2014

DESIGNER/DRAFTER: **KG**

CHECKED BY: **JE**

SCALE IN FEET

0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_XSC-05_042-0316.dgn

SIGNATURE/ BLOCK:

Stantec Consulting Services Inc.
2321 Whitney Ave.
Hamden, CT 06518

PROJECT TITLE:

REHABILITATION OF BRIDGE NO. 02376
I-84 T.R. 831 OVER I-84 EB

TOWN: **EAST HARTFORD**

DRAWING TITLE: **CROSS SECTIONS STA 13+00 TO 13+89**

PROJECT NO. **042-316**

DRAWING NO. **XSC-05**

SHEET NO. **03.03.10**