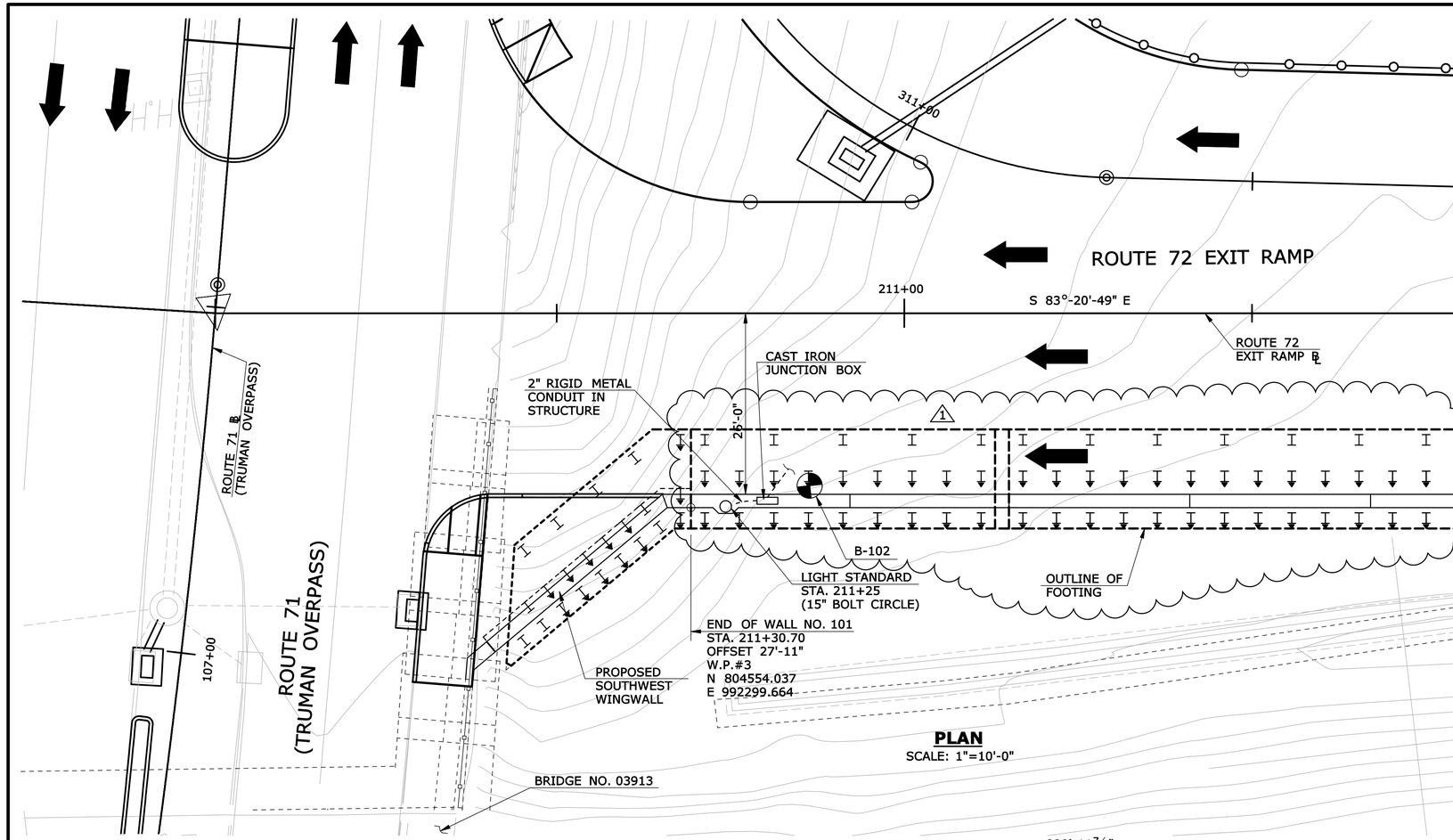
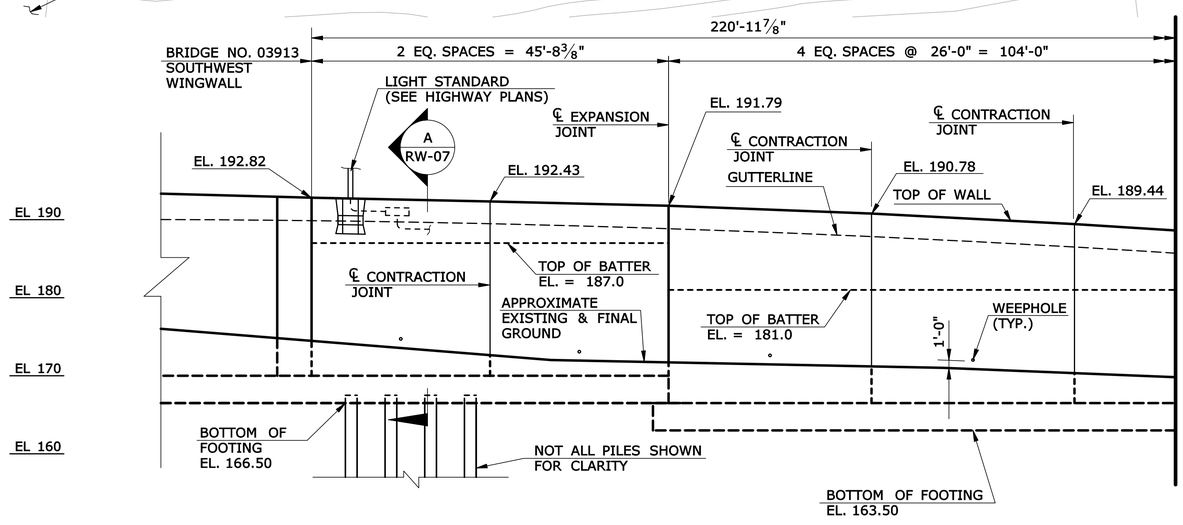


PLAN
SCALE: 1"=10'-0"

MATCH LINE STA. 210+20 - SEE GENERAL PLAN NO. 2



ELEVATION
SCALE: 1"=10'-0"

MATCH LINE STA. 210+20
SEE GENERAL PLAN NO. 2

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATIONS DATED JULY 2010 AND SPECIAL PROVISIONS, SPECIFICATIONS; CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 AND SPECIFICAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATION (1998, 2ND EDITION) WITH THE INTERIM SPECIFICATIONS UP TO AND INCLUDING 2002, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

DESIGN STRESSES:
CLASS "A" CONCRETE.....BASED ON fc = 3,000 psi
REINFORCEMENT (ASTM A615, GRADE 60).....Fy = 60,000 psi

LIVE LOAD: HL-93

FOUNDATION PRESSURES AND PILE LOADS: THE VARIOUS GROUP LOADINGS NOTED ON THESE PLAN SHEETS REFER TO THE GROUP LOADS AS GIVEN IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DIMENSIONS: ALL DIMENSIONS SHOWN ON THE PLANS ARE IN ENGLISH UNITS. ALL ELEVATIONS ARE GIVEN IN FEET. WHEN ELEVATIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

CONCRETE NOTES:

CLASS "A" CONCRETE: CLASS "A" CONCRETE SHALL BE USED THROUGHOUT.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"x1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLER SHALL BE INCLUDED IN THE COST OF THE ITEM "CLASS "A" CONCRETE".

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLAN, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

CONCRETE DISTRIBUTION		
SUPERSTRUCTURE	C.Y.	0.0
SUBSTRUCTURE	C.Y.	385
FOOTINGS	C.Y.	485
TOTAL	C.Y.	870

DESIGNED BY:
URS
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

STATE OF CONNECTICUT · DAVID G. GEISSERT · No. 17425 · LICENSED PROFESSIONAL ENGINEER

David G Geissert
2011.08.10
15:27:16
-04'00'

ADDENDUM NO. 1

RETAINING WALL 088-177-03-101

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1	8/10/11	ADDENDUM NO. 1 - REVISED WIDTH OF FOOTING	03.04.001.A1
-	-	AND REVISED PILES	-

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: 8/10/2011

DESIGNER/DRAFTER: C. GREGORY
CHECKED BY: K. BARKER
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: P:\088_H035\Struct_Bridge\MSta_Sheet_Files\SB_MSH_RW00101_088_H035_RW01_GPN1-1.dgn

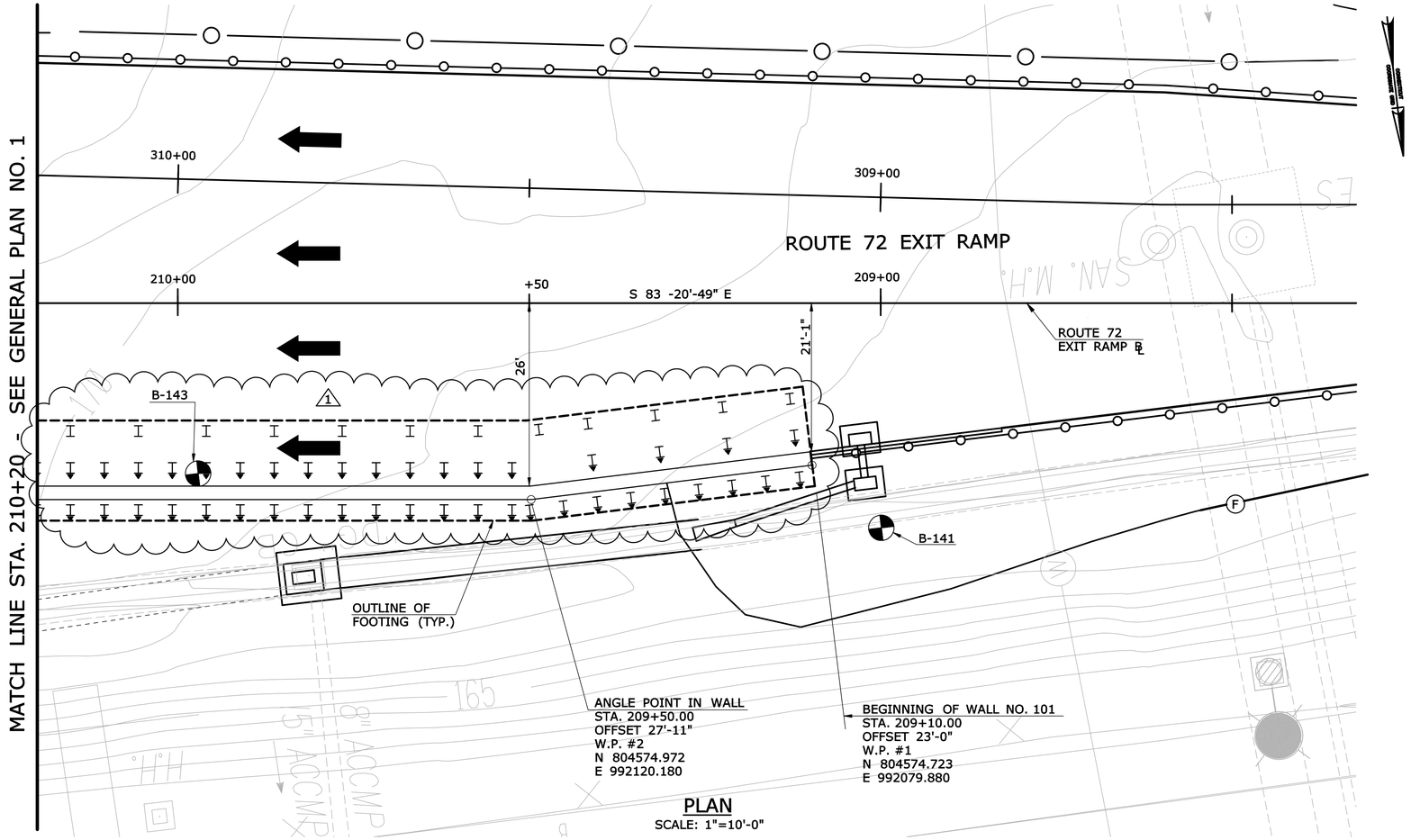
SIGNATURE/BLOCK:
STATE OF CONNECTICUT · DAVID G. GEISSERT · No. 17425 · LICENSED PROFESSIONAL ENGINEER
URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN SECTION A

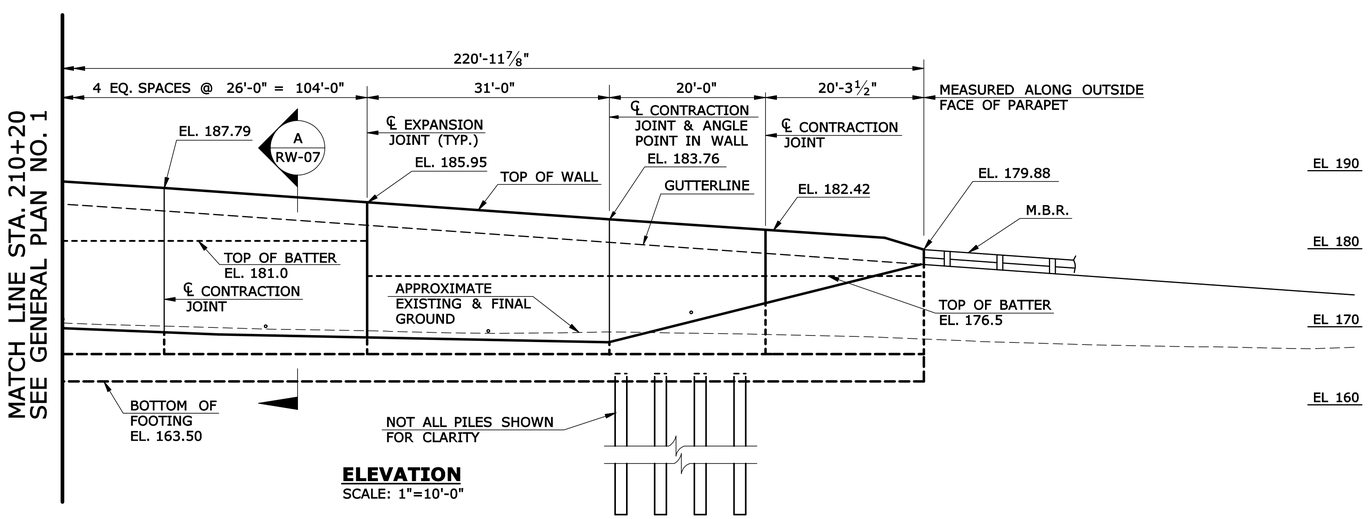
TOWN: NEW BRITAIN

DRAWING TITLE: GENERAL PLAN NO. 1

PROJECT NO. 088-177
DRAWING NO. RW-01
SHEET NO. 03.04.001.A1



PLAN
SCALE: 1"=10'-0"



ELEVATION
SCALE: 1"=10'-0"

TABLE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
STRUCTURE EXCAVATION - EARTH (COMPLETE)	C.Y.	1330
PERVIOUS STRUCTURE BACKFILL	C.Y.	3520
CLASS "A" CONCRETE	C.Y.	870
DEFORMED STEEL BARS	LB	95000
FURNISHING STEEL PILES	LB	328600
DRIVING STEEL PILES	L.F.	4440
POINT REINFORCEMENT FOR STEEL PILES	EA.	111
TEST PILE (STEEL HP 14x89 - 50' LONG)	EA.	2
PILE DRIVING ANALYSIS (PDA) TEST	EA.	2
DAMPPROOFING	S.Y.	500
2" RIGID METAL CONDUIT IN STRUCTURE	L.F.	7
18"x12"x8" CAST IRON JUNCTION BOX	EA.	1

ADDENDUM NO. 1

RETAINING WALL 088-177-03-101

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1	8/10/11	ADDENDUM NO. 1 - REVISED WIDTH OF FOOTING	03.04.002.A1
-	-	AND REVISED PILES	-

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Plotted: 8/10/2011

DESIGNER/DRAFTER: C. GREGORY
CHECKED BY: K. BARKER
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: P:\088_H035\Struct_Bridge\MSta_Sheet_Files\SB_MSH_RW00101_088_H035_RW02_GPN2-1.dgn

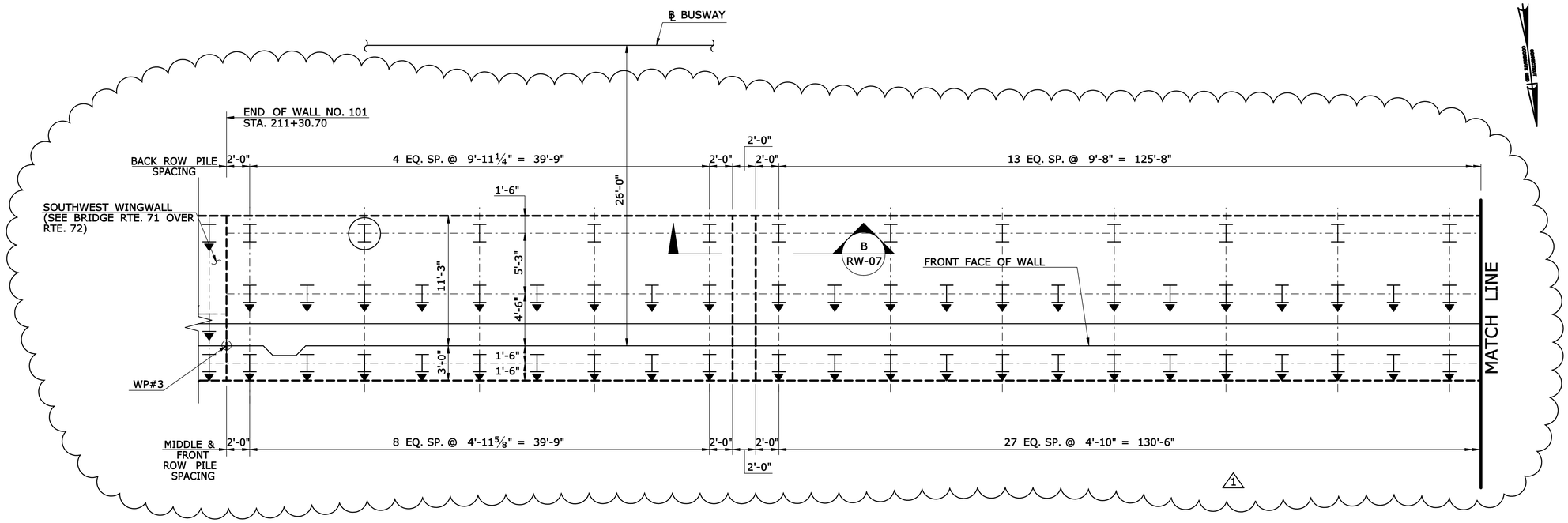
SIGNATURE/BLOCK:
STATE OF CONNECTICUT · DAVID G. GEISSERT · No. 17425 · LICENSED PROFESSIONAL ENGINEER
URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN SECTION A

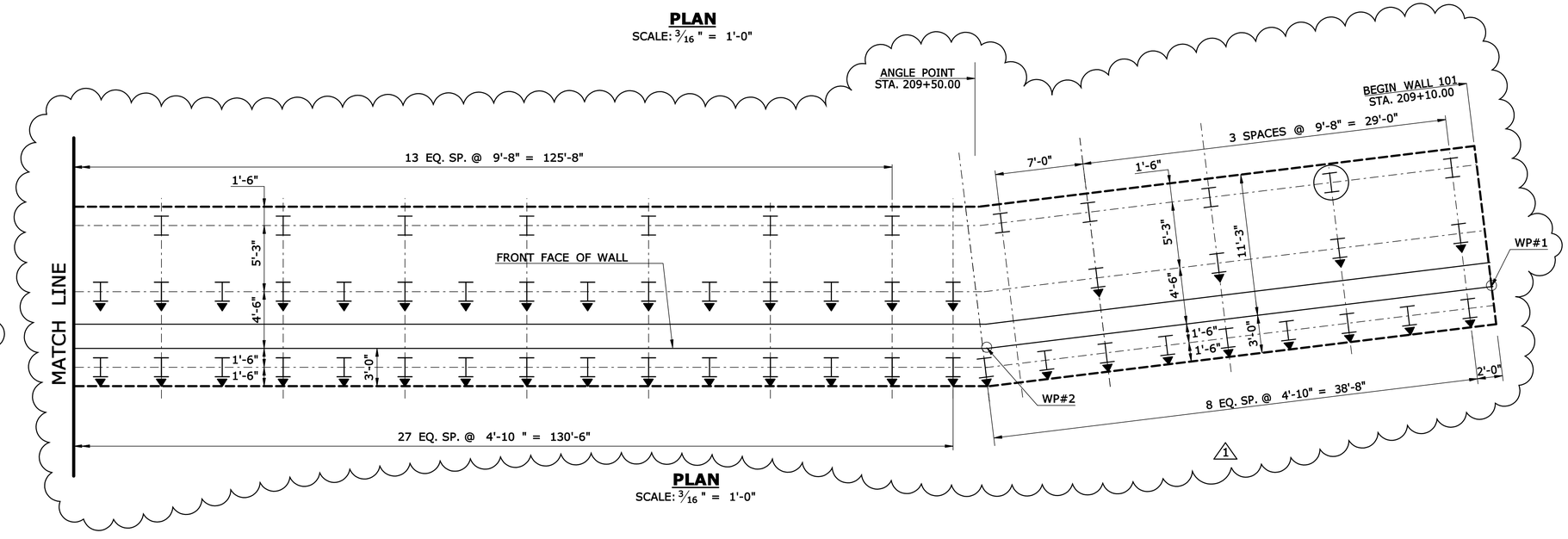
TOWN: **NEW BRITAIN**

DRAWING TITLE: **GENERAL PLAN NO. 2**

PROJECT NO. **088-177**
DRAWING NO. **RW-02**
SHEET NO. **03.04.002.A1**



PLAN
SCALE: 3/16 " = 1'-0"



PLAN
SCALE: 3/16 " = 1'-0"

NOTES:

1. PILE SPACING MEASURED ALONG CENTERLINE OF PILES.
2. PRIOR TO DRIVING THE PILES, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL HIS METHOD OF PILE DRIVING.
3. ALL PILE SHALL BE HP 14x89 CONFORMING TO THE REQUIREMENT OF ASTM A709 GRADE 50.
4. PILE POINT REINFORCEMENT AND SPLICE SHALL BE PREFABRICATED. THE CONTRACTOR SHALL SUBMIT PILE POINT REINFORCEMENT AND SPLICE DETAILS TO THE ENGINEER FOR REVIEW AND APPROVAL.
5. MAXIMUM DESIGN PILE LOAD = 77 TONS (STRENGTH I)
   MAXIMUM DESIGN PILE LOAD = 58 TONS (EXTREME EVENT II)

   ULTIMATE PILE CAPACITY = 147 TONS 1
6. ESTIMATED PILE LENGTH = 35.0 FT (VERTICAL PILE)
   36.0 FT (BATTER PILE)
   45.0 FT (TEST PILE)

PILE LEGEND

- DENOTES VERTICAL PILE
- DENOTES PDA TEST PILE
- DENOTES BATTER PILE 1:4 IN THE DIRECTION INDICATED

ADDENDUM NO. 1

RETAINING WALL 088-177-03-101

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	8/10/11	ADDENDUM NO. 1 - REVISED WIDTH OF FOOTING AND REVISED PILES	03.04.006.A1

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Plotted: 8/10/11

DESIGNER/DRAFTER: C. GREGORY
CHECKED BY: K. BARKER
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: P:\088_H035\Struct_Bridge\MSta_Sheet_Files\SB_MSH_RW00101_088_H035_RW06_PILELAYOU...

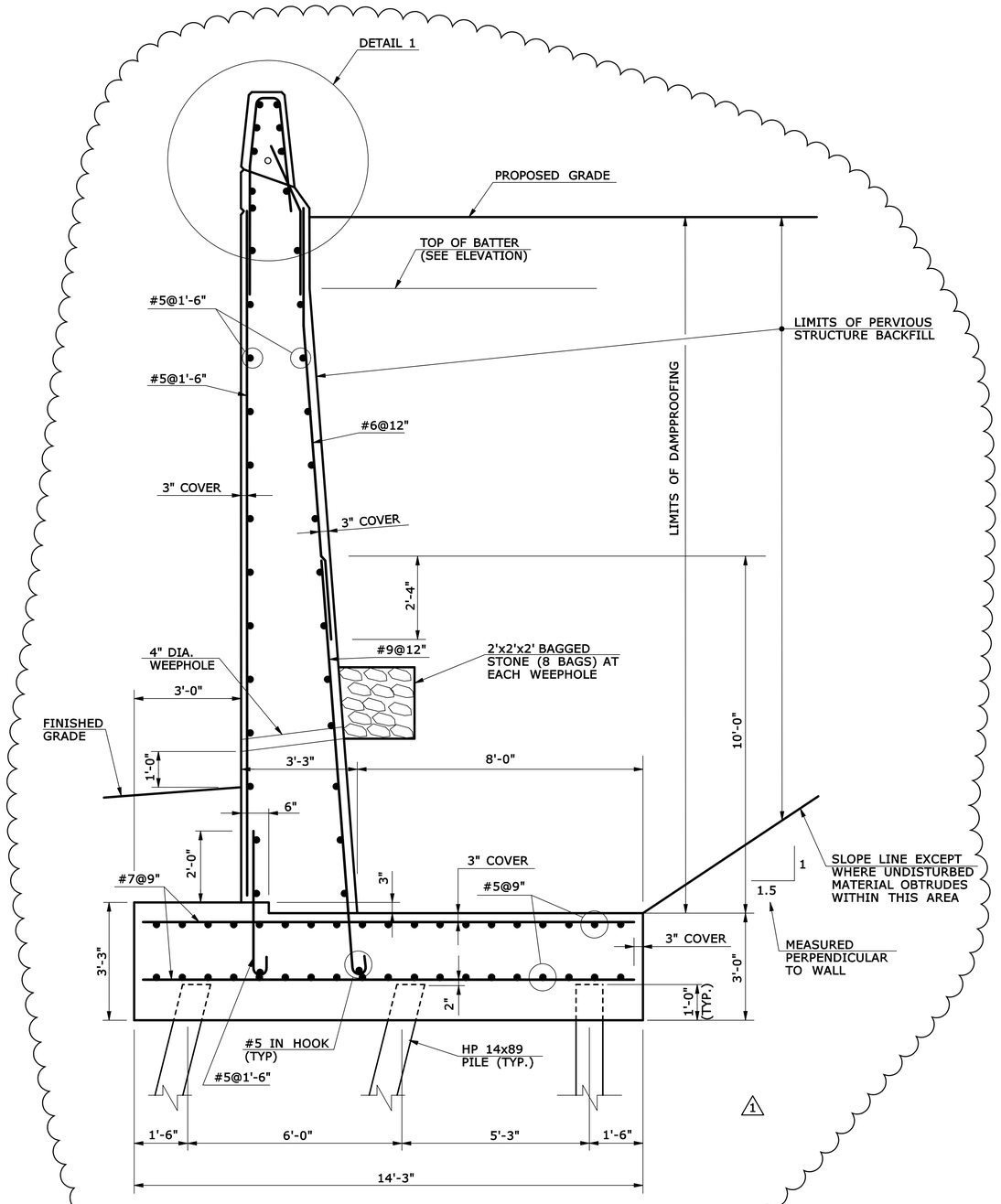
SIGNATURE/BLOCK:
STATE OF CONNECTICUT · STEVEN G. GEISSERT · No. 17425 · LICENSED PROFESSIONAL ENGINEER
URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

PROJECT TITLE: NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN SECTION A

TOWN: NEW BRITAIN

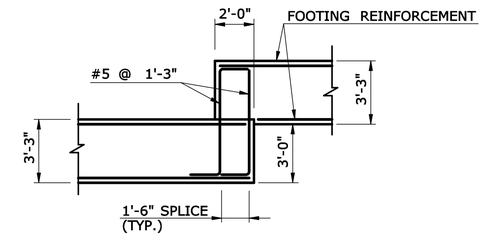
DRAWING TITLE: PILE LAYOUT PLAN

PROJECT NO. 088-177
DRAWING NO. RW-06
SHEET NO. 03.04.006.A1



SECTION A RW-01 / A RW-02

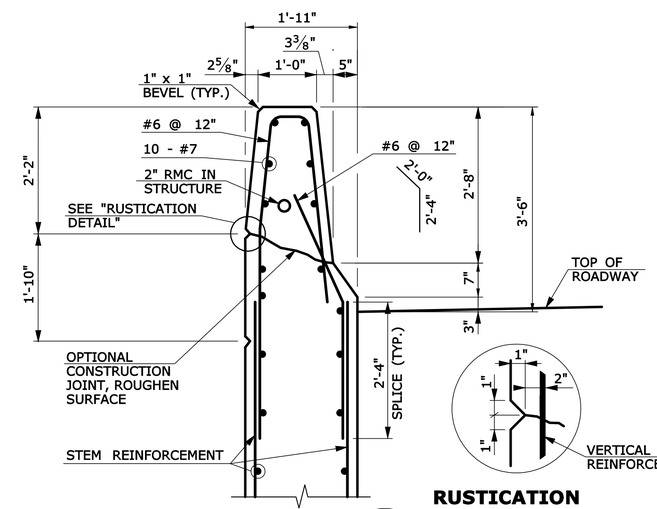
SCALE: 1/2" = 1'-0"



SECTION B RW-06

FOOTING STEP DETAIL

SCALE: 1/4" = 1'-0"



DETAIL 1 / -

SCALE: 3/4" = 1'-0"

RUSTICATION DETAIL

ADDENDUM NO. 1

RETAINING WALL 088-177-03-101

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	8/10/11	ADDENDUM NO. 1 - REVISED WIDTH OF FOOTING AND REVISED REINFORCING	03.04.007.A1

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Plotted: 8/10/2011

DESIGNER/DRAFTER: C. GREGORY

CHECKED BY: K. BARKER

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: P:\088_H035\Struct_Bridge\MSta_Sheet_Files\SB_MSH_RW00101_088_H035_RW07_DET2-1.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT · STEVEN G. GEISERT · No. 17425 · PROFESSIONAL ENGINEER

URS CORPORATION
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

PROJECT TITLE:
NEW BRITAIN - HARTFORD BUSWAY
NEW BRITAIN SECTION A

TOWN: **NEW BRITAIN**

DRAWING TITLE: **RETAINING WALL SECTIONS 1**

PROJECT NO. **088-177**

DRAWING NO. **RW-07**

SHEET NO. **03.04.007.A1**