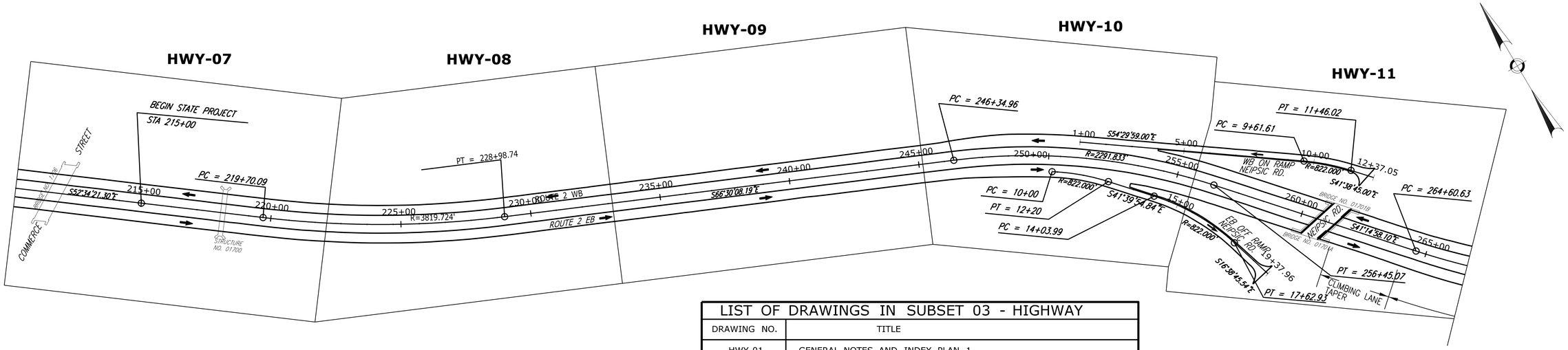

GENERAL NOTES:

1. THE BASE MAP SHOWING EXISTING CONDITIONS FOR THIS PROJECT WAS DEVELOPED USING INFORMATION FROM AS-BUILT PLANS OF STATE PROJECTS 53-98 AND 53-100. FIELD SURVEY WAS PERFORMED BY THE CDOT.

2. THE CONTRACTOR SHALL DETERMINE FOR HIMSELF , PRIOR TO BIDDING, THE SIZE, LOCATIONS, ELEVATIONS, AND EXISTENCE OF ALL SUCH UTILITIES AND FEATURES THAT MAY AFFECT HIS CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL ADEQUATELY SUPPORT ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE. CALL BEFORE YOU DIG 1-800-922-4455, AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. CONTRACTOR TO COORDINATE ACTIVITIES WITH INDIVIDUAL UTILITY COMPANY REPRESENTATIVES.

3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER SHOULD THERE BE ANY CONFLICT BETWEEN EXISTING UTILITIES AND PROPOSED CONSTRUCTION.

4. ALL DIMENSIONS,ELEVATIONS AND EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE RESIDENT ENGINEER.

5. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AS OUTLINED HEREIN: INSPECTION AND MAINTENANCE SHALL BE CARRIED OUT THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE STABILIZED WITH VEGETATION OR PAVING. THE MINIMUM INSPECTION PERIOD SHALL BE WEEKLY AND OR AFTER MAJOR STORMS.

6. C.D.O.T. TYPE 'B' GRATES SHALL BE USED FOR ALL CATCH BASINS.

7. CATCH BASINS AND CATCH BASIN TOPS SHALL BE COMPATIBLE WITH BITUMINOUS CONCRETE PARK CURBING.

8. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PROPER STORM DRAINAGE FLOWS ARE MAINTAINED THROUGHOUT CONSTRUCTION.

9. DURING CONSTRUCTION, SEDIMENTATION CONTROL SYSTEMS WILL BE INSTALLED AROUND ALL CATCH BASINS LOCATED IN LOW POINTS AS WELL AS IN LOCATIONS DIRECTED BY THE ENGINEER.

10. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE PROJECT LIMITS SHALL BE CLEANED.

11. ALL EXISTING DRAINAGE PIPE AND STRUCTURES TO BE REMOVED SHALL BE PAID FOR AS "TRENCH EXCAVATION" FOR PIPES AND "ROCK-IN-TRENCH EXCAVATION" FOR STRUCTURES.

12. ALL EXISTING DRAINAGE STRUCTURES TO BE ABANDONED WILL BE PAID FOR AS "ROCK-IN-TRENCH EXCAVATION".

13. ALL PERMITS ARE TO BE ACQUIRED PRIOR TO THE BEGINNING OF CONSTRUCTION.

14. STORAGE OF MATERIALS THAT COULD BE INJURIOUS TO HUMAN HEALTH OR THE ENVIRONMENT IN THE EVENT OF FLOODING IS PROHIBITED BELOW THE 500 YEAR FLOOD ELEVATION OF 31.9. OTHER MATERIAL OR EQUIPMENT MAY BE STORED BELOW THE 500 YEAR FLOOD ELEVATION PROVIDED THAT SUCH MATERIAL OR EQUIPMENT IS NOT SUBJECT TO MAJOR DAMAGE BY FLOODS AND PROVIDED THAT SUCH MATERIAL IS FIRMLY ANCHORED, RESTRAINED OR ENCLOSED TO PREVENT IT FROM FLOATING AWAY OR THAT SUCH MATERIAL OR EQUIPMENT CAN BE REMOVED PRIOR TO FLOODING.

15. ALL CATCH BASINS CALLED FOR ON THE PLANS TO BE RECONSTRUCTED WILL BE PAID FOR AS"REBUILD CATCH BASIN".

16. PRIOR TO RUBBLIZATION;
a. EDGEDRAIN SYSTEMS SHALL BE INSTALLED AND FULLY FUNCTIONAL FOR TWO WEEKS.
b. SHOULDERS AND CLIMBING LANES SHALL BE MILLED AND PAVED TO MATCH EXISTING GRADE.
c. PAVEMENT TRANSITIONS FOR UNDERPASS BRIDGES SHALL BE CONSTRUCTED.

17. ALL MENTION OF SUPERPAVE FOUND N THE PLANS, AND SPECIAL PROVISIONS REFERS TO HOT ASPHALT MIX(HMA). "SEE NOTICE TO CONTRACTOR- SECTION 4.06 AND M.04 MIX DESIGNATION EQUIVALENCY " FOUND IN THE SPECIAL PROVISIONS.

18. WHERE THERE ARE EXISTING LIGHT STANDARD FOUNDATIONS AND CONCRETE HANDHOLES LOCATED IN AREAS OF PROPOSED FILL (TURF ESTABLISHMENT AND PROCESSED AGGREGATE), THE DEPTH OF THE FILL SHALL BE ADJUSTED IN THESE AREAS SO THAT FINISHED GRADE IS NOT GREATER THAN THE ELEVATION OF THE TOP OF THE FOUNDATION/HANDHOLE.

LIST OF DRAWINGS IN SUBSET 03 - HIGHWAY

DRAWING NO.	TITLE
HWY-01	GENERAL NOTES AND INDEX PLAN 1
HWY-02	INDEX PLAN 2
HWY-03	INDEX PLAN 3
HWY-04	TYPICAL SECTIONS 1
HWY-05	TYPICAL SECTIONS 2
HWY-06	TYPICAL SECTIONS 3
HWY-07	ROADWAY PLAN STA 215+00 TO 222+00
HWY-08	ROADWAY PLAN STA 222+00 TO 233+00
HWY-09	ROADWAY PLAN STA 233+00 TO 245+00
HWY-10	ROADWAY PLAN STA 245+00 TO 255+50
HWY-11	ROADWAY PLAN STA 255+50 TO 266+50
HWY-12	ROADWAY PLAN STA 266+50 TO 277+00
HWY-13	ROADWAY PLAN STA 277+00 TO 288+50
HWY-14	ROADWAY PLAN STA 288+50 TO 300+50
HWY-15	ROADWAY PLAN STA 300+50 TO 312+50
HWY-16	ROADWAY PLAN STA 312+50 TO 324+50
HWY-17	ROADWAY PLAN STA 324+50 TO 336+50
HWY-18	ROADWAY PLAN STA 336+50 TO 348+00
HWY-19	ROADWAY PLAN STA 348+00 TO 360+00
HWY-20	ROADWAY PLAN STA 360+00 TO 371+50
HWY-21	ROADWAY PLAN STA 371+50 TO 383+50
HWY-22	ROADWAY PLAN STA 383+50 TO 395+50
HWY-23	ROADWAY PLAN STA 395+50 TO 406+50
HWY-24	ROADWAY PLAN STA 406+50 TO 418+50
HWY-25	ROADWAY PLAN STA 418+50 TO 431+00
HWY-26	ROADWAY PLAN STA 431+00 TO 442+50
HWY-27	ROADWAY PLAN STA 442+50 TO 454+50
HWY-28	ROADWAY PLAN STA 454+50 TO 458+00
HWY-29	DETAILS 1
HWY-30	DETAILS 2

SUGGESTED CONSTRUCTION SEQUENCE

1. INSTALL EDGE DRAIN AS SHOWN IN THE TYPICAL DETAIL.

2. MILL EXISTING SHOULDERS AND MAINLINE TO TOP OF CONCRETE BASE.

3. REMOVE PATCHES OF CONCRETE, BITUMINOUS OR CEMENTITIOUS MATERIALS THAT ARE CONSIDERED UNSUITABLE OR UNSOUND AND REPLACE WITH SPECIFIED MATERIAL.

4. RUBBLIZE THE PORTLAND-CEMENT CONCRETE SLABS.

5. PLACE A BOTTOM LIFT OF HMA S1. THICKNESS SHOULD BE A MINIMUM OF 3.5 INCHES AT THE OUTER EDGE OF THE RUBBLIZED SLAB AND A MAXIMUM OF 5 INCHES AT THE CENTERLINE. IF THERE IS ADDITIONAL THICKNESS REQUIRED TO ACHIEVE THE ELEVATION OF THE CENTERLINE ON THE ADJOINING LANE SIDE, A MILLING MACHINE WILL BE USED TO SHAVE DOWN THE EDGE FROM ITS EXISTING ANGLE OF $90^{33}/_{64}$ FROM HORIZONTAL TO A MAXIMUM OF $30^{33}/_{64}$. ALTERNATELY, A BITUMINOUS CONCRETE WEDGE AT LEAST ONE FOOT WIDE CAN BE USED TO ACHIEVE THE SAME SHAPE.

6. CONDUCT A SURVEY TO ESTABLISH EXISTING PAVEMENT ELEVATIONS AND MARK OUT REQUIRED CROSS SLOPE AND TRANSITION EXTENTS AND THICKNESSES SO THAT THE WEDGE COURSE ACHIEVES THE DESIRED CROSS SLOPE SO THE FINAL TWO LIFTS OF HMA S0.5 IS LAID DOWN IN UNIFORM THICKNESS.

7. PLACE A WEDGE COURSE OF HMA S0.375 VARYING IN THICKNESS FROM 1.25 TO 2.5 INCHES AS NECESSARY TO ACHIEVE THE DESIRED CROSS SLOPE.

8. PLACE 4 INCHES OF HMA S0.5, DESIGN LEVEL 3, IN TWO EQUAL LIFTS, CURB TO CURB.

DESIGNED BY:
CONSULTANT COMPANY NAME
Weston&Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

FINAL DESIGN REVIEW

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: E.C. BARTHOLOMEW
CHECKED BY: A.L. NAFIS
SCALE IN FEET 0 200 400
SCALE 1"=200'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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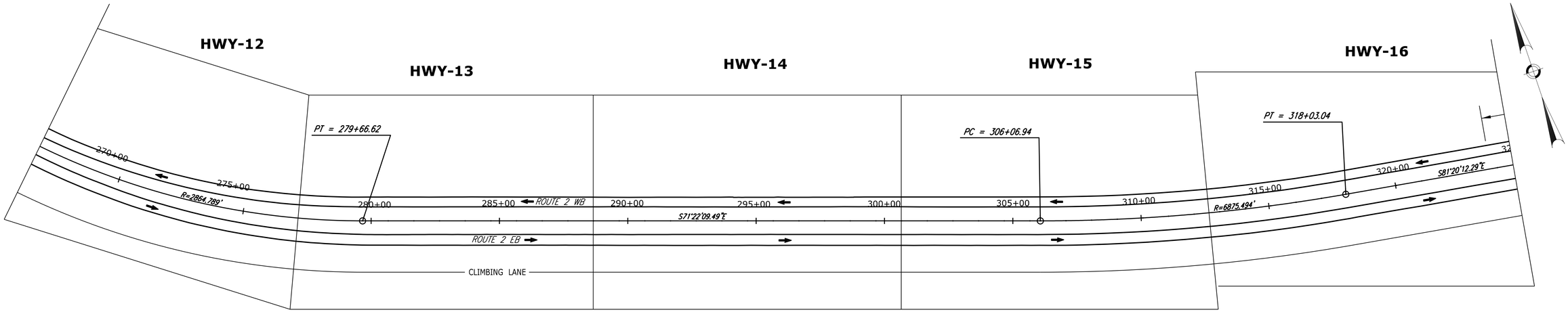
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

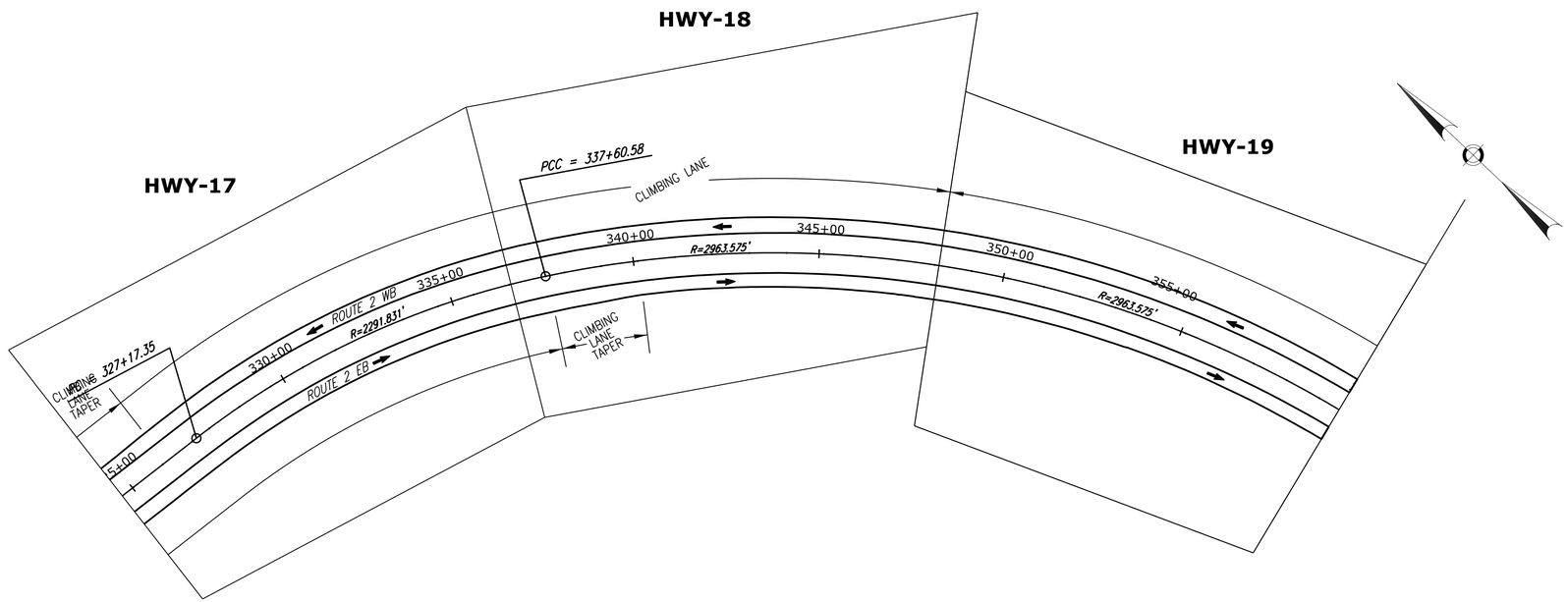
TOWN: **GLASTONBURY**

DRAWING TITLE: **GENERAL NOTES AND INDEX PLAN 1**

PROJECT NO. **53-186**
DRAWING NO. **HWY-01**
SHEET NO.

Border Version: 11/14/08





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CHECKED BY: **A.L. NAFIS**

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SCALE 1"=200'

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

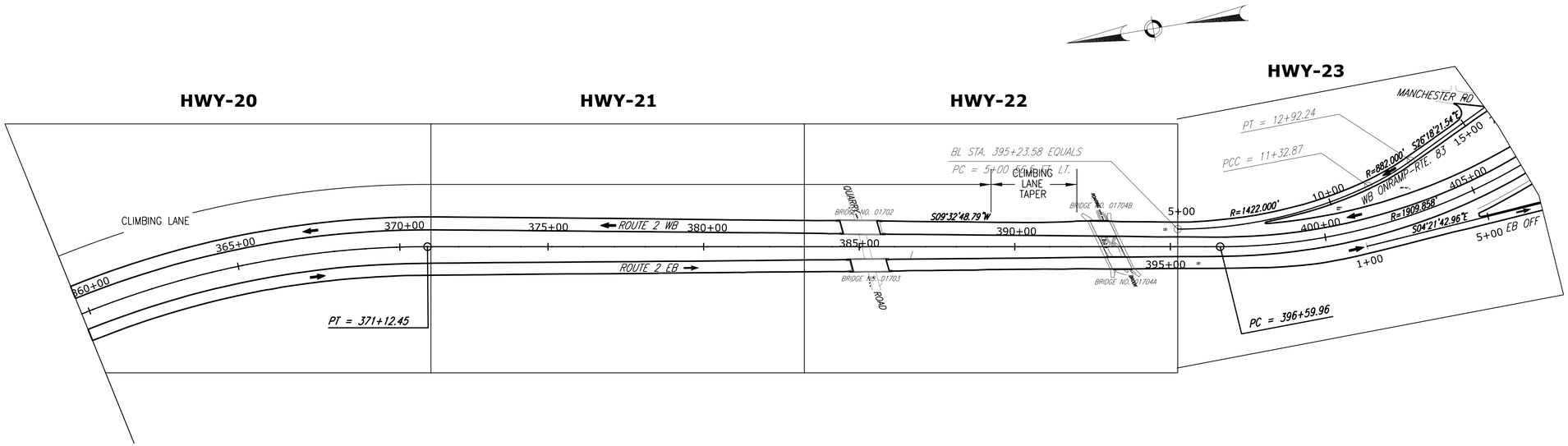
DRAWING TITLE: **INDEX PLAN 2**

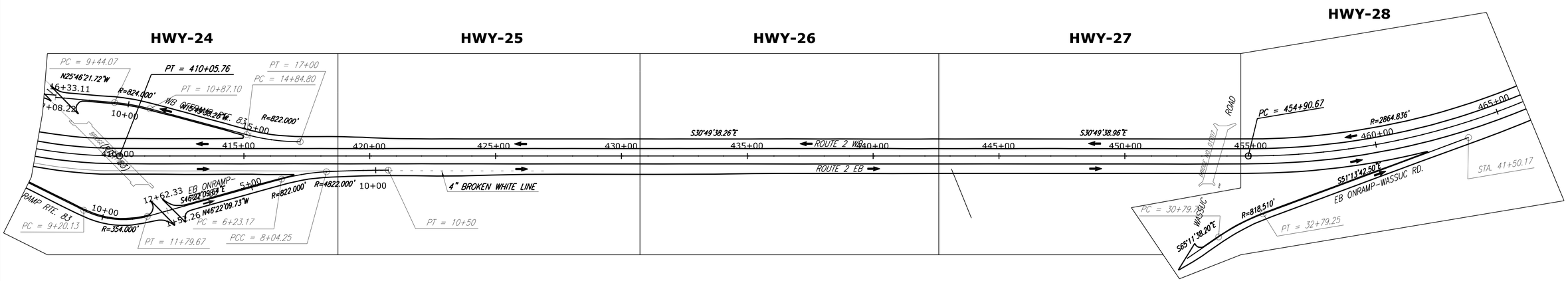
PROJECT NO. **53-186**

DRAWING NO. **HWY-02**

SHEET NO.

Border Version: 11/14/08





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SCALE IN FEET
0 200 400
SCALE 1"=200'

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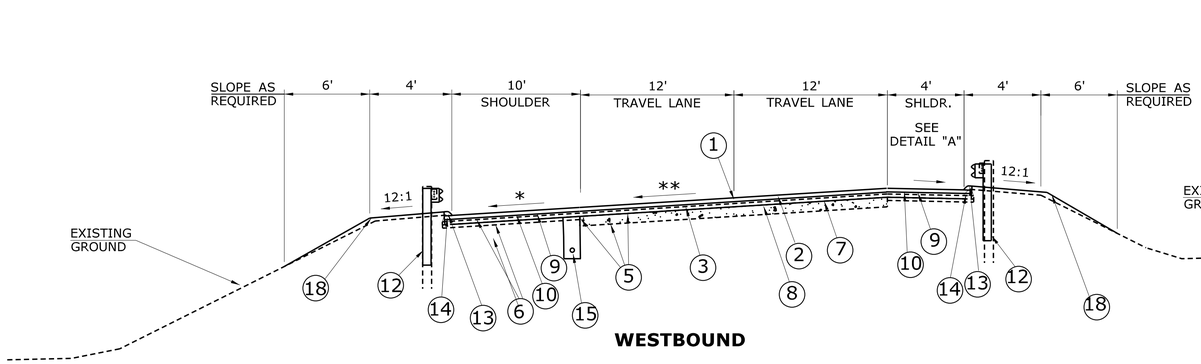
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

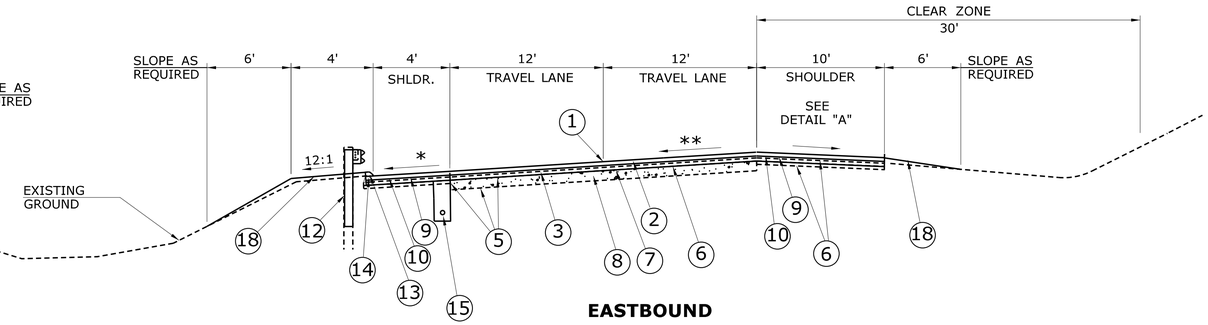
TOWN: **GLASTONBURY**

DRAWING TITLE: **INDEX PLAN 3**

PROJECT NO. **53-186**
DRAWING NO. **HWY-03**
SHEET NO.

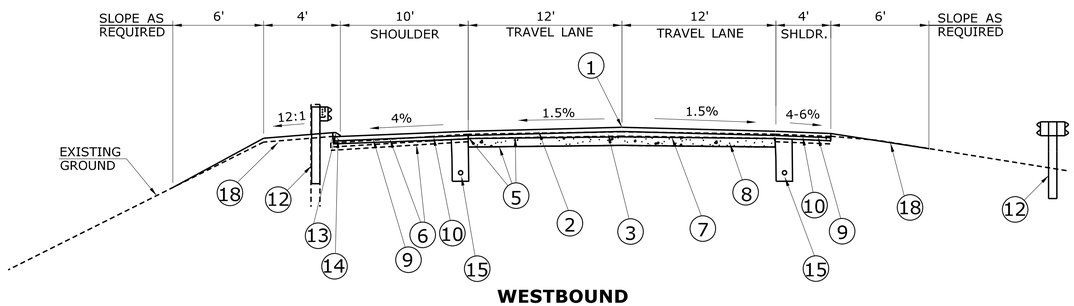
Border Version: 11/14/08

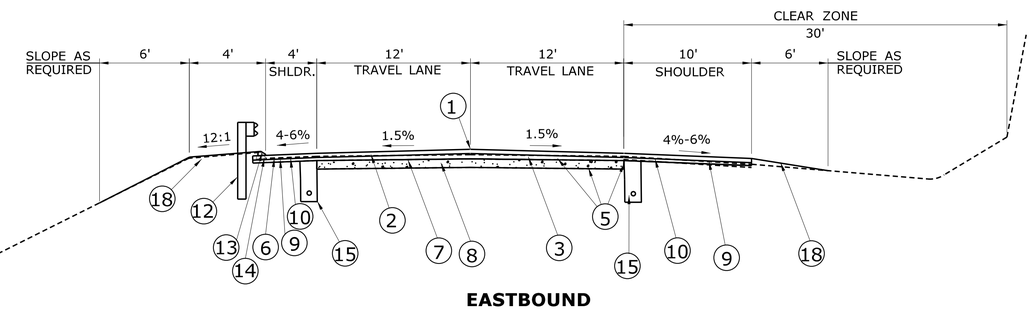




* MINIMUM 0.04 FT/FT W/O CURB AND 0.06 FT/FT W/CURB
** CROSS SLOPE TO EXISTING BANK (0.015 MIN)

ROUTE 2 SUPER ELEVATED BANKED SECTION FOR MILLING, RUBBLIZATION AND OVERLAY





ROUTE 2 NORMAL SECTION FOR MILLING, RUBBLIZATION ,AND OVERLAY

TYPICAL SECTION NUMBERING KEY

1. APPLICATION OF GRADE
2. 4" HMA S0.5 (2 EQUAL LIFTS) ON TOP OF 1 1/4" TO 2 1/2" HMA S0.375
3. 3.5" TO 5" HMA S1 1 1/4" HMA S0.375 (2 LIFTS)
4. 2" HMA S0.5 ON TOP OF 1 1/4" HMA S0.375
5. APPROXIMATE LIMITS OF EXISTING CONCRETE PAVEMENT
6. APPROXIMATE LOCATION OF EXISTING BITUMINOUS CONCRETE PAVEMENT
7. MILL TO TOP OF CONCRETE PAVEMENT
8. RUBBILIZATION OF EXISTING CONCRETE PAVEMENT
9. MILL SHOULDERS / CLIMBING LANES FLUSH TO ADJACENT CONCRETE
10. MATERIAL FOR TACK COAT
11. TURF ESTABLISHMENT WITH 6" TOPSOIL (MAX.)
12. 3-CABLE GUIDE RAILING (I-BEAM POSTS) METAL BEAM RAIL (TYPE R-B 350, TYPE MD-B 350) AS REQUIRED
13. BITUMINOUS CONCRETE PARK CURBING
14. REMOVE CURBING (REMOVAL OF B.C.L.C. WILL BE PAID FOR UNDER THE ITEM "EARTH EXCAVATION")
15. 4" EDGEDRAIN
16. 3" HMA S0.5 (1 LIFT)
17. MILL 3" - MAX.
18. PROCESSED AGGREGATE

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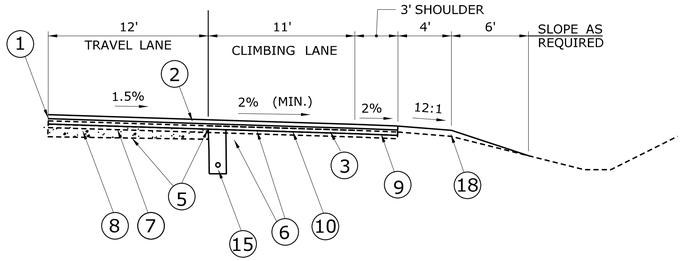
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

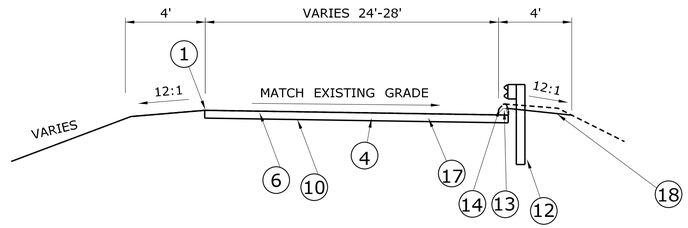
DRAWING TITLE: **TYPICAL SECTIONS 1**

PROJECT NO. **53-186**
DRAWING NO. **HWY-04**
SHEET NO.

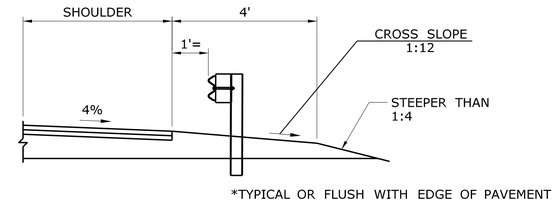
Border Version: 11/14/08



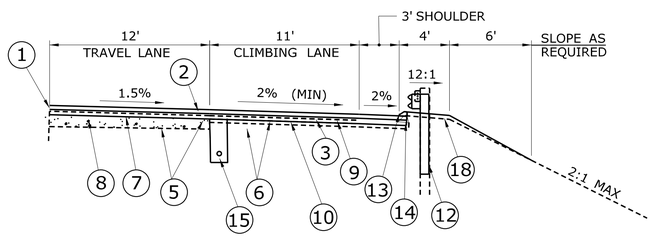
CLIMBING LANE
(IN CUT)



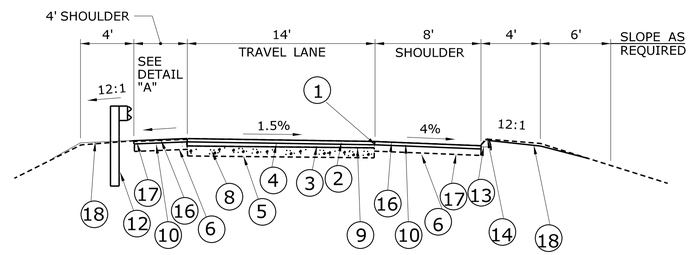
RAMP SECTION FOR RESURFACING WITH FLEXIBLE PAVEMENT



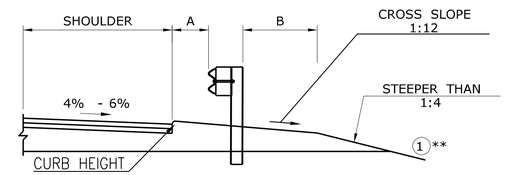
RAILING PLACEMENT WITHOUT CURB



CLIMBING LANE
(IN FILL)



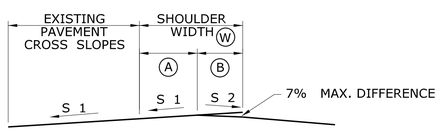
RAMP SECTION FOR RESURFACING WITH RIGID PAVEMENT



RAILING PLACEMENT WITH CURB

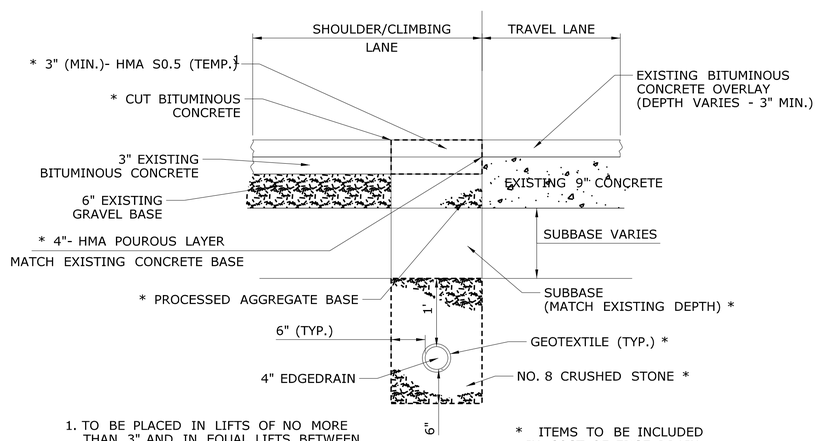
TYPE OF GUIDE RAIL	A	B	C
METAL BEAM RAIL (TYPE R-B 350) HIGH SPEED (V>8O km/h)	0	24"	4"
THREE-CABLE GUIDE RAILING (I-BEAM POST)	12" MAX.	24"	*

** SLOPE MAY NOT BE STEEPER THAN 1:2 FOR 3-CABLE USE.



W	A	B
<4 FT.	0 FT. TO 4 FT.	0 FT.
4 FT TO <8 FT	0 FT. TO 4 FT.	4 FT.
≥ 8 FT.	0 FT.	≥ 8 FT.

DETAIL "A"
SHOULDER TREATMENT - HIGH SIDE OF BANK



1. TO BE PLACED IN LIFTS OF NO MORE THAN 3" AND IN EQUAL LIFTS BETWEEN 1.5" AND 3" EACH IF THICKNESS IF GREATER THAN 3".

* ITEMS TO BE INCLUDED IN COST OF EDGE DRAIN.

EDGEDRAIN
TO BE INSTALLED PRIOR TO MILLING AND RUBBLIZATION

TYPICAL SECTION NUMBERING KEY

1. APPLICATION OF GRADE
2. 4" HMA S0.5 (2 EQUAL LIFTS) ON TOP OF 1 ¼" TO 2 ½" HMA S0.375
3. 3.5" TO 5" HMA S1 (2 LIFTS)
4. 2" HMA S0.5 ON TOP OF 1 ¼" HMA S0.375
5. APPROXIMATE LIMITS OF EXISTING CONCRETE PAVEMENT
6. APPROXIMATE LOCATION OF EXISTING BITUMINOUS CONCRETE PAVEMENT
7. MILL TO TOP OF CONCRETE PAVEMENT
8. RUBBILIZATION OF EXISTING CONCRETE PAVEMENT
9. MILL SHOULDERS / CLIMBING LANES FLUSH TO ADJACENT CONCRETE
10. MATERIAL FOR TACK COAT
11. TURF ESTABLISHMENT WITH 6" TOPSOIL (MAX.)
12. 3-CABLE GUIDE RAILING (I-BEAM POSTS) METAL BEAM RAIL (TYPE R-B 350, TYPE MD-B 350) AS REQUIRED
13. BITUMINOUS CONCRETE PARK CURBING
14. REMOVE CURBING (REMOVAL OF B.C.L.C. WILL BE PAID FOR UNDER THE ITEM "EARTH EXCAVATION")
15. 4" EDGEDRAIN
16. 3" HMA S0.5 (1 LIFT)
17. MILL 3" - MAX.
18. PROCESSED AGGREGATE

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DESIGNER/DRAFTER: E.C. BARTHOLOMEW
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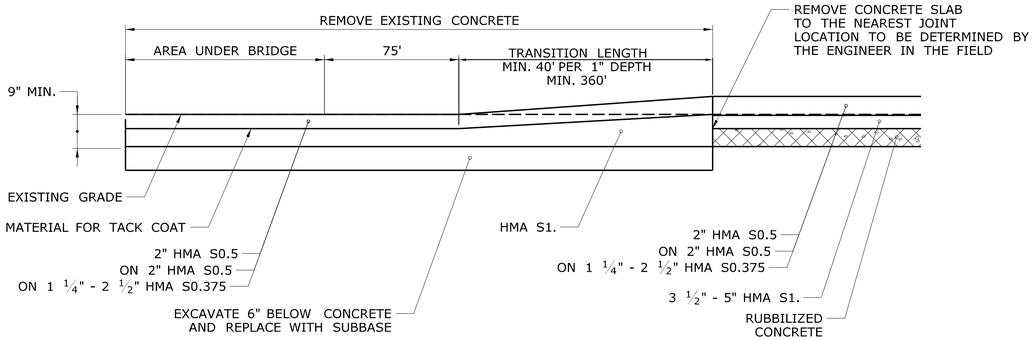
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: GLASTONBURY

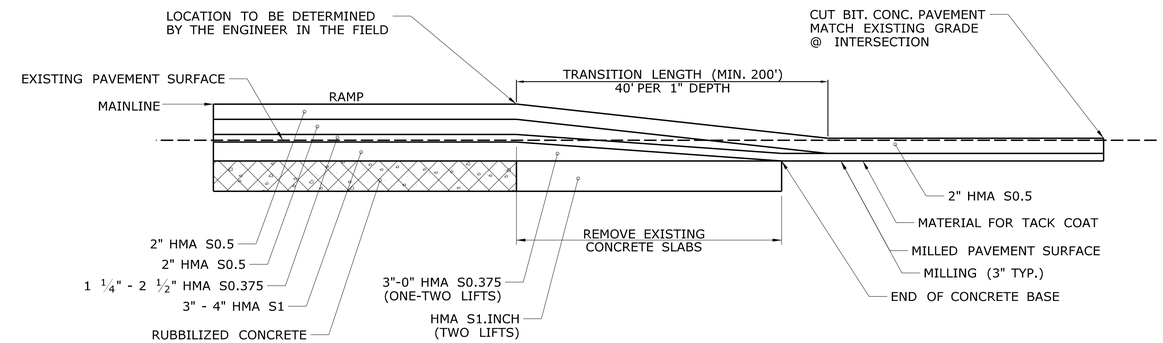
DRAWING TITLE: TYPICAL SECTIONS 2

PROJECT NO. 53-186
DRAWING NO. HWY-05
SHEET NO.

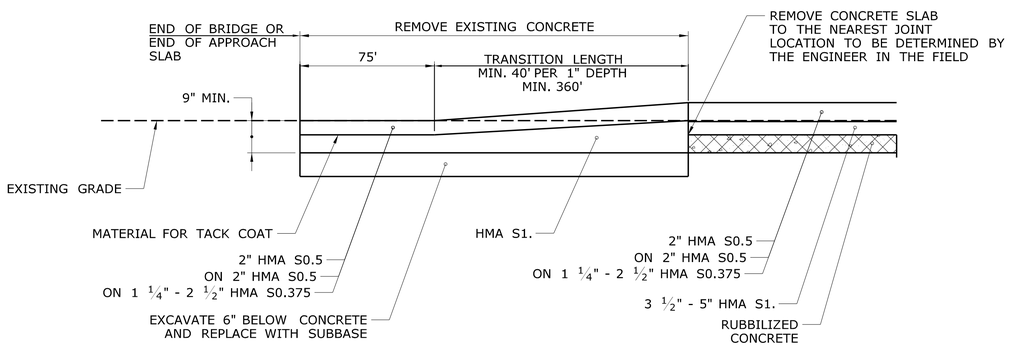
Border Version: 11/14/08



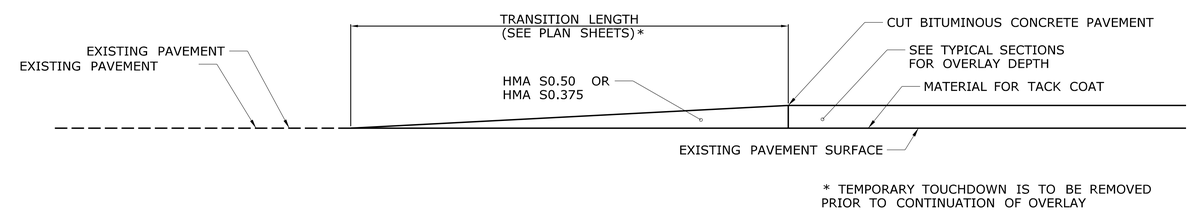
MAINLINE TREATMENT UNDER BRIDGES
(TYPICAL BOTH SIDES)



MAINLINE OVERLAY TRANSITION TO RAMPS



MAINLINE TREATMENT OVER BRIDGES
(TYPICAL BOTH SIDES)



TEMPORARY TOUCHDOWN DURING CONSTRUCTION

SEQUENCE OF OPERATIONS AT BRIDGES

PRIOR TO RUBBLIZATION

1. REMOVE EXISTING CONCRETE TO LIMITS SHOWN ON THE PLANS
2. EXCAVATE 6" BELOW CONCRETE AND REPLACE WITH SUBBASE
3. REPLACE WITH HMA S1 TO EXISTING EXISTING GRADE

AFTER RUBBLIZATION

1. MILL TEMPORARY HMA S1 TO LIMITS SHOWN
2. REPLACE WITH FINAL PAVEMENT SECTION AS SHOWN

FINAL DESIGN REVIEW

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**
CHECKED BY: **A.L. NAFIS**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053_0186_03_06_TYP.dgn

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www.westonandsampson.com

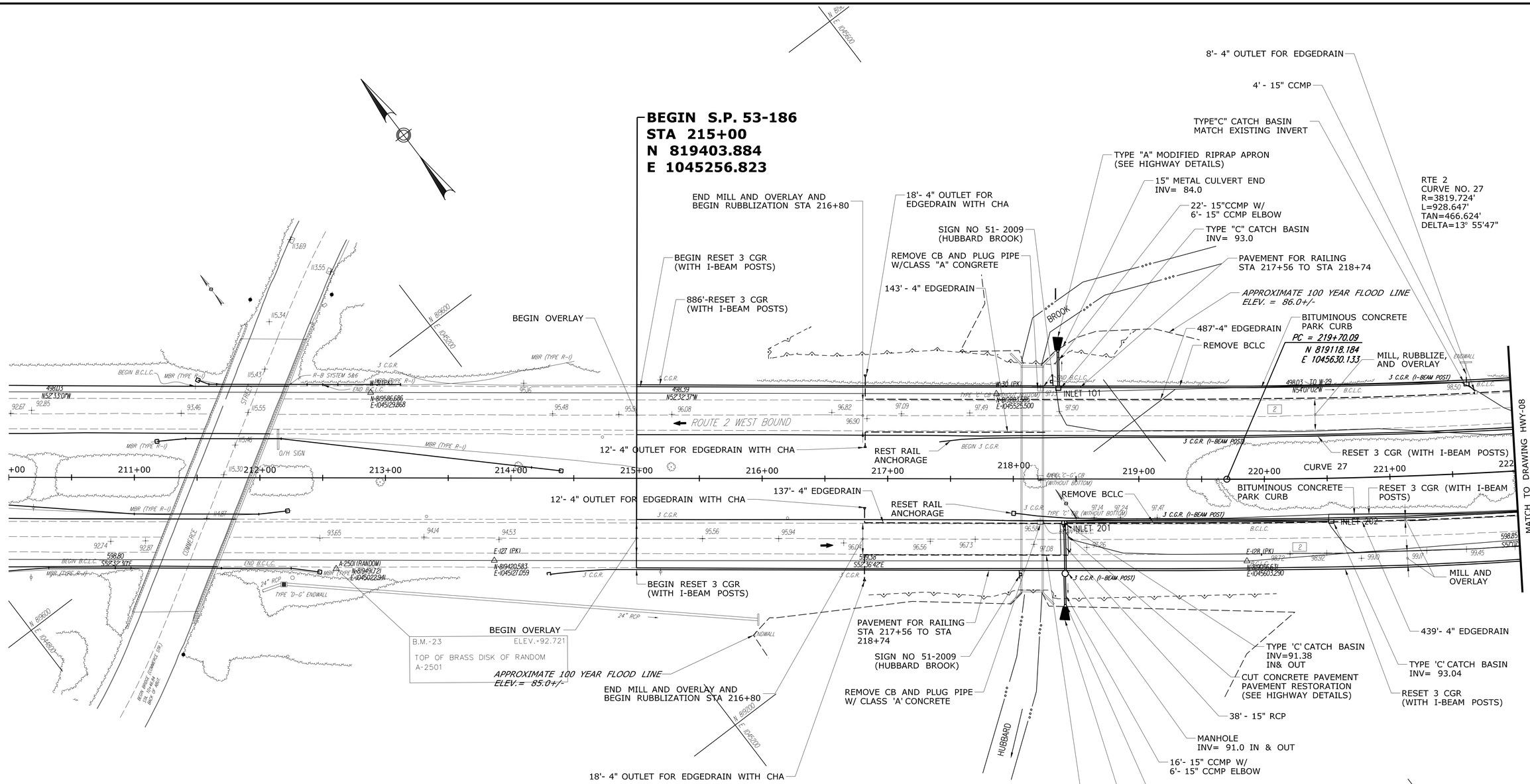
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE: **TYPICAL SECTIONS 3**

PROJECT NO. **53-186**
DRAWING NO. **HWY-06**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING

ROUTE 2 EAST BOUND	STA. 218+24 TO 222+00 LT.
ROUTE 2 WEST BOUND	STA. 218+24 TO 222+00 LT.

NOTE:

THE EXISTING CLIMBING LANE IN THE EASTBOUND DIRECTION IN THE VICINITY OF EXIT 10 ON/OFF RAMPS SHALL BE RE-STRIPED AS A 14' SHOULDER AS SHOWN ON THE DRAWING NOS. HWY-23 AND HWY-24. THE ACCELERATION LANE FOR THE EASTBOUND ON-RAMP FROM ROUTE 83 SHALL BE RE-STRIPED IN ACCORDANCE WITH THE STANDARD SHEET TR-1210_01. ALL EXISTING CLIMBING LANE SIGNS ARE TO BE REMOVED JUST PRIOR TO THE FIRST INSTALLATION OF TEMPORARY PAVEMENT MARKINGS.

FINAL DESIGN REVIEW

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C.BARTHOLOMEW**
CHECKED BY: **A.L.NAFIS**
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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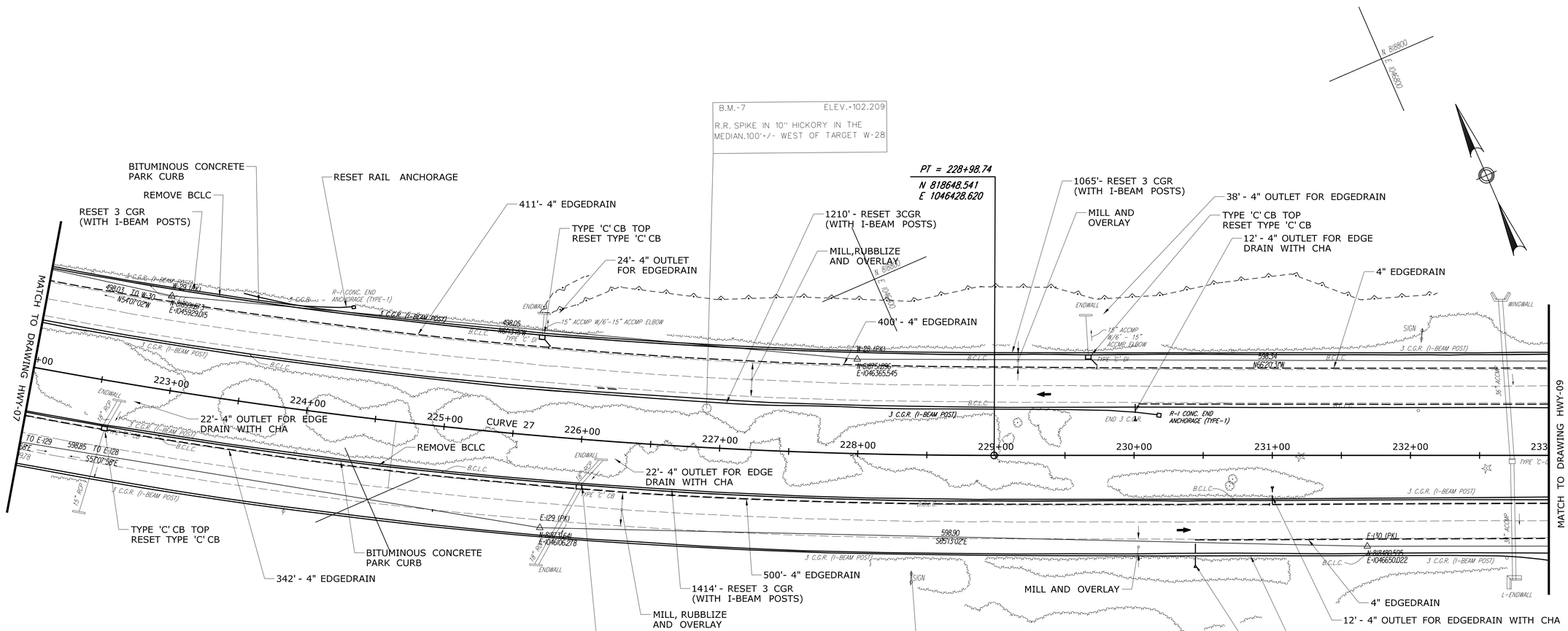
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 215+00 TO 222+00

PROJECT NO. **53-186**
DRAWING NO. **HWY-07**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING

ROUTE 2 EAST BOUND	STA. 222+00 TO 230+50 LT.
ROUTE 2 WEST BOUND	STA. 222+00 TO 233+00 LT.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C.BARTHOLOMEW**
CHECKED BY: **A.L.NAFIS**
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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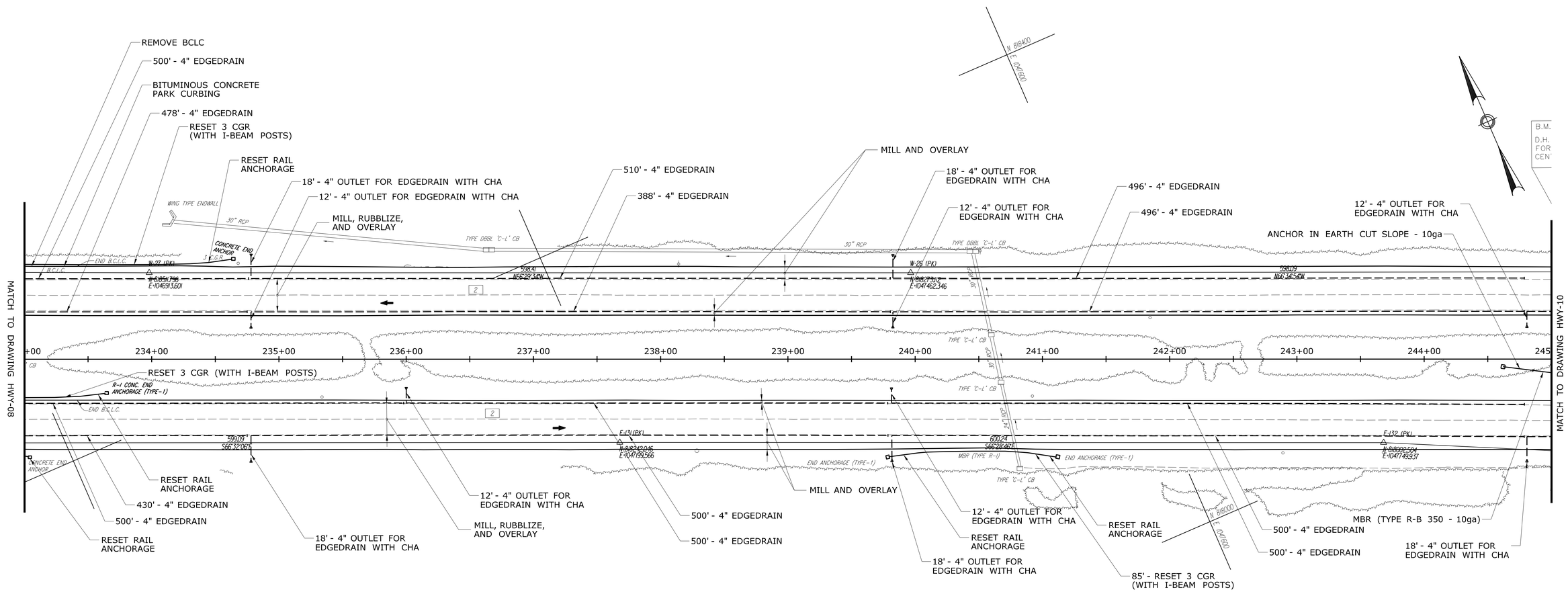
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 222+00 TO 233+00

PROJECT NO. **53-186**
DRAWING NO. **HWY-08**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 WEST BOUND	STA. 233+00 TO 233+26 LT.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C.BARTHOLOMEW**
CHECKED BY: **A.L.NAFIS**
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053_0186_03_09_PLN.dgn

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

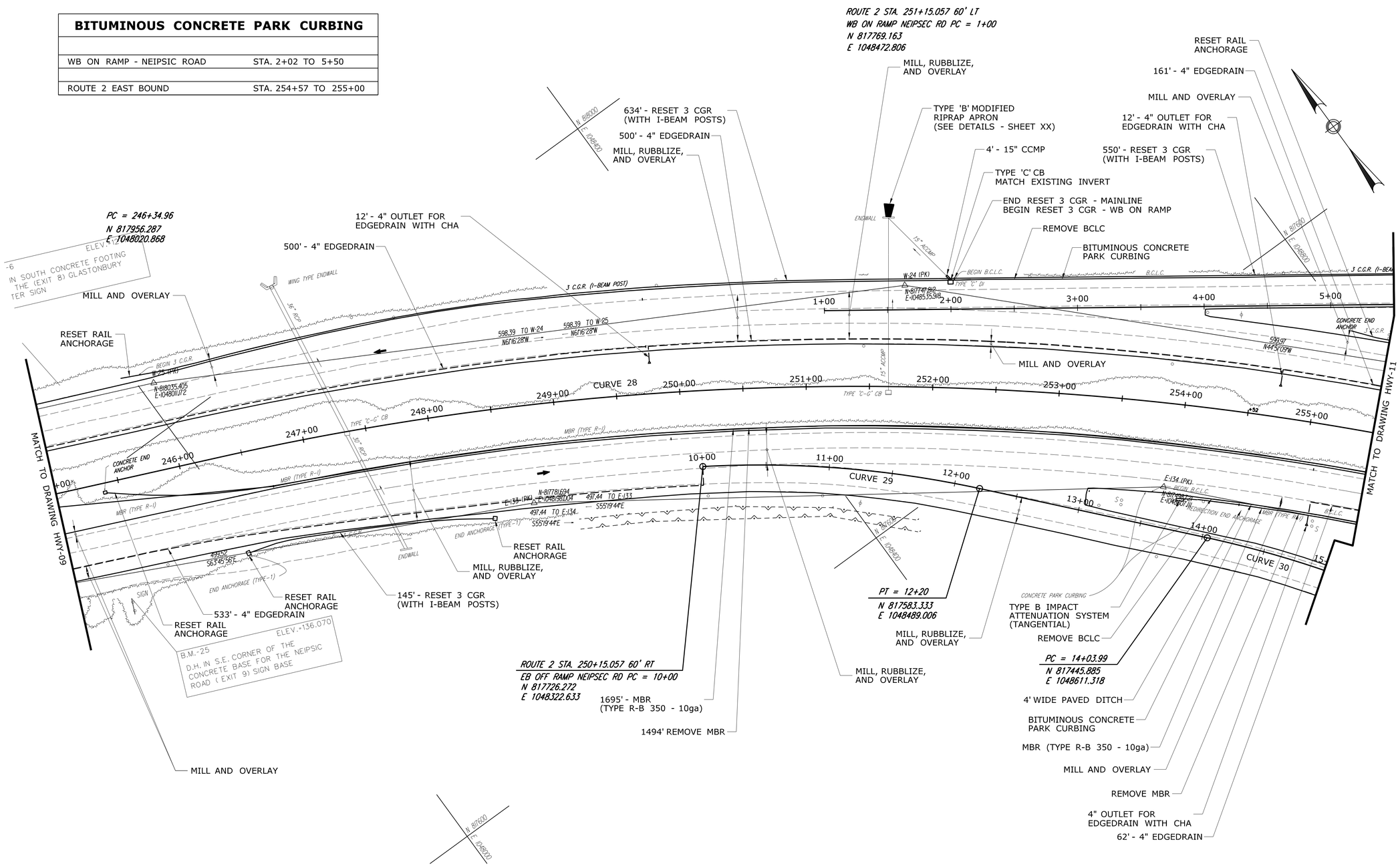
TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 233+00 TO 245+00

PROJECT NO. **53-186**
DRAWING NO. **HWY-09**
SHEET NO.

Border Version: 11/14/08

BITUMINOUS CONCRETE PARK CURBING	
WB ON RAMP - NEIPSIC ROAD	STA. 2+02 TO 5+50
ROUTE 2 EAST BOUND	STA. 254+57 TO 255+00



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**

CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 245+00 TO 255+50

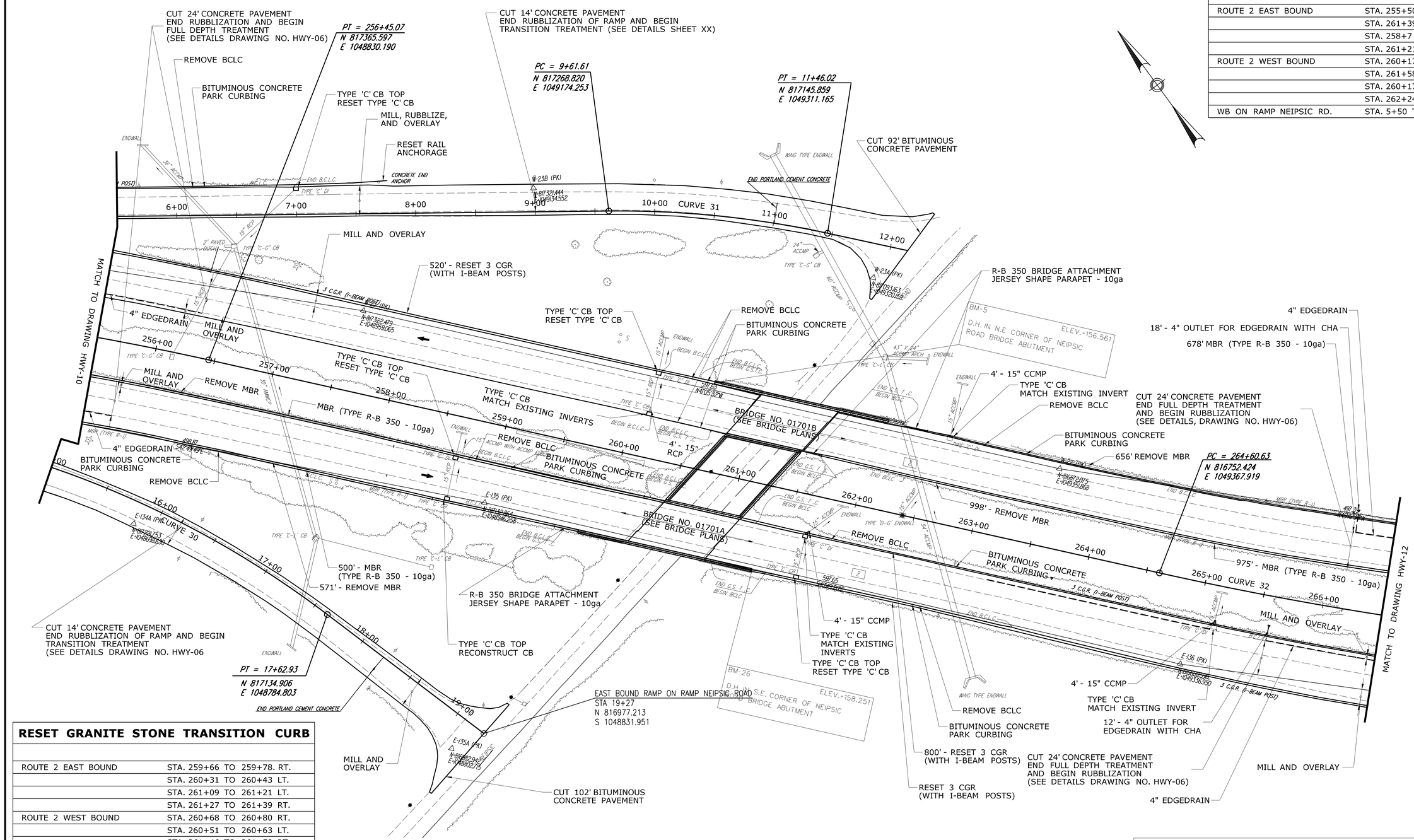
PROJECT NO. **53-186**

DRAWING NO. **HWY-10**

SHEET NO.

Border Version: 11/14/08

BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 255+50 TO 259+66 RT.
	STA. 261+39 TO 263+54 RT.
	STA. 258+7 TO 260+31 LT.
	STA. 261+21 TO 266+50 LT.
ROUTE 2 WEST BOUND	STA. 260+17 TO 260+68 RT
	STA. 261+58 TO 262+37 RT.
	STA. 260+17 TO 260+51 LT.
	STA. 262+24 TO 266+50 LT.
WB ON RAMP NEIPSIC RD.	STA. 5+50 TO 6+98 LT.



RESET GRANITE STONE TRANSITION CURB	
ROUTE 2 EAST BOUND	STA. 259+66 TO 259+78. RT.
	STA. 260+31 TO 260+43 LT.
	STA. 261+09 TO 261+21 LT.
	STA. 261+27 TO 261+39 RT.
ROUTE 2 WEST BOUND	STA. 260+68 TO 260+80 RT.
	STA. 260+51 TO 260+63 LT.
	STA. 261+46 TO 261+58 RT.
	STA. 262+12 TO 262+24 LT.

FINAL DESIGN REVIEW

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SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
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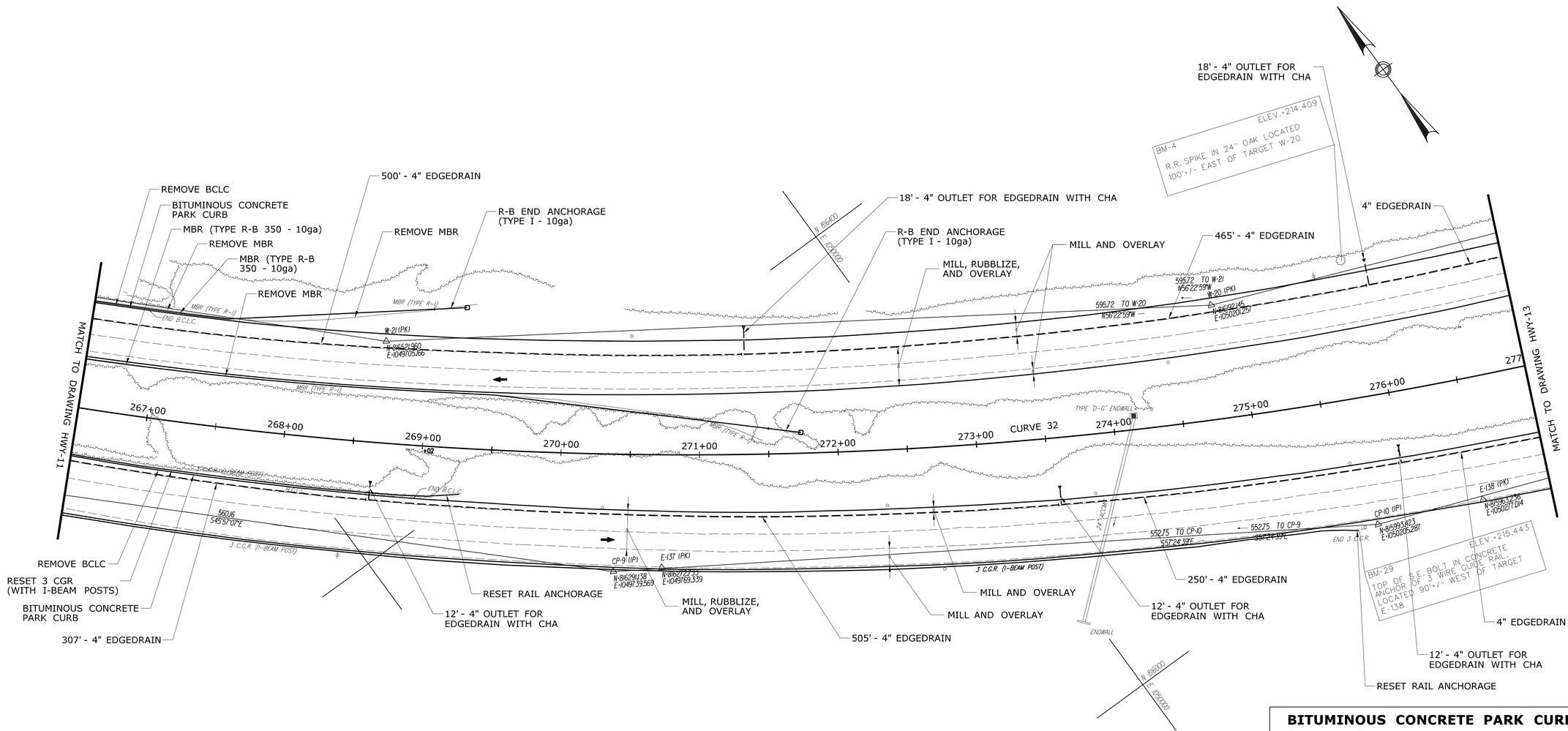
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 255+50 TO 266+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-11**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 266+50 TO 268+96 LT.
ROUTE 2 WEST BOUND	STA. 266+50 TO 266+80 LT.

FINAL DESIGN REVIEW

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SCALE IN FEET 0 40 80
SCALE 1"=40'

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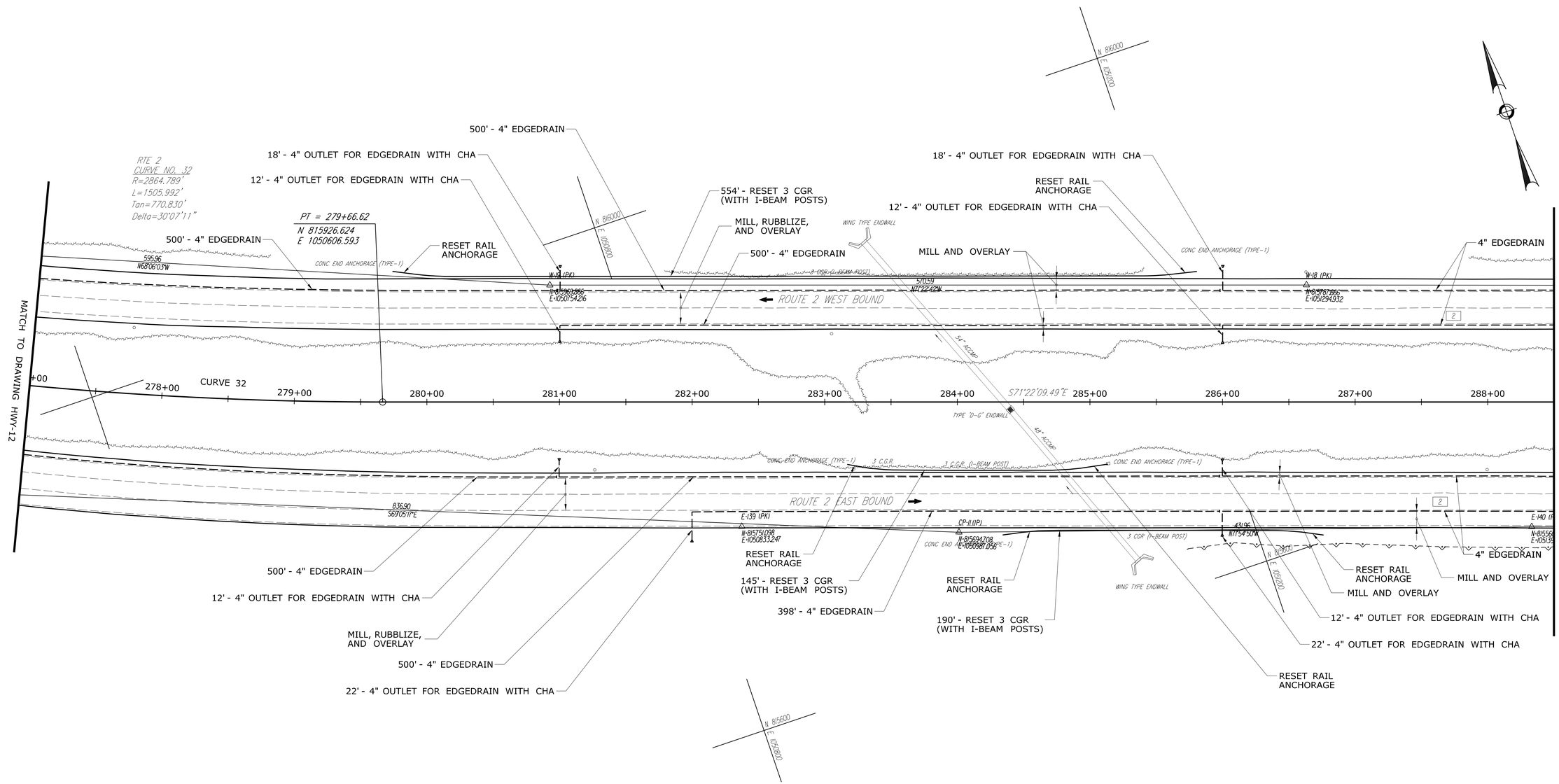
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 266+50 TO 277+00

PROJECT NO. **53-186**
DRAWING NO. **HWY-12**
SHEET NO.

Border Version: 11/14/08



FINAL DESIGN REVIEW

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CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

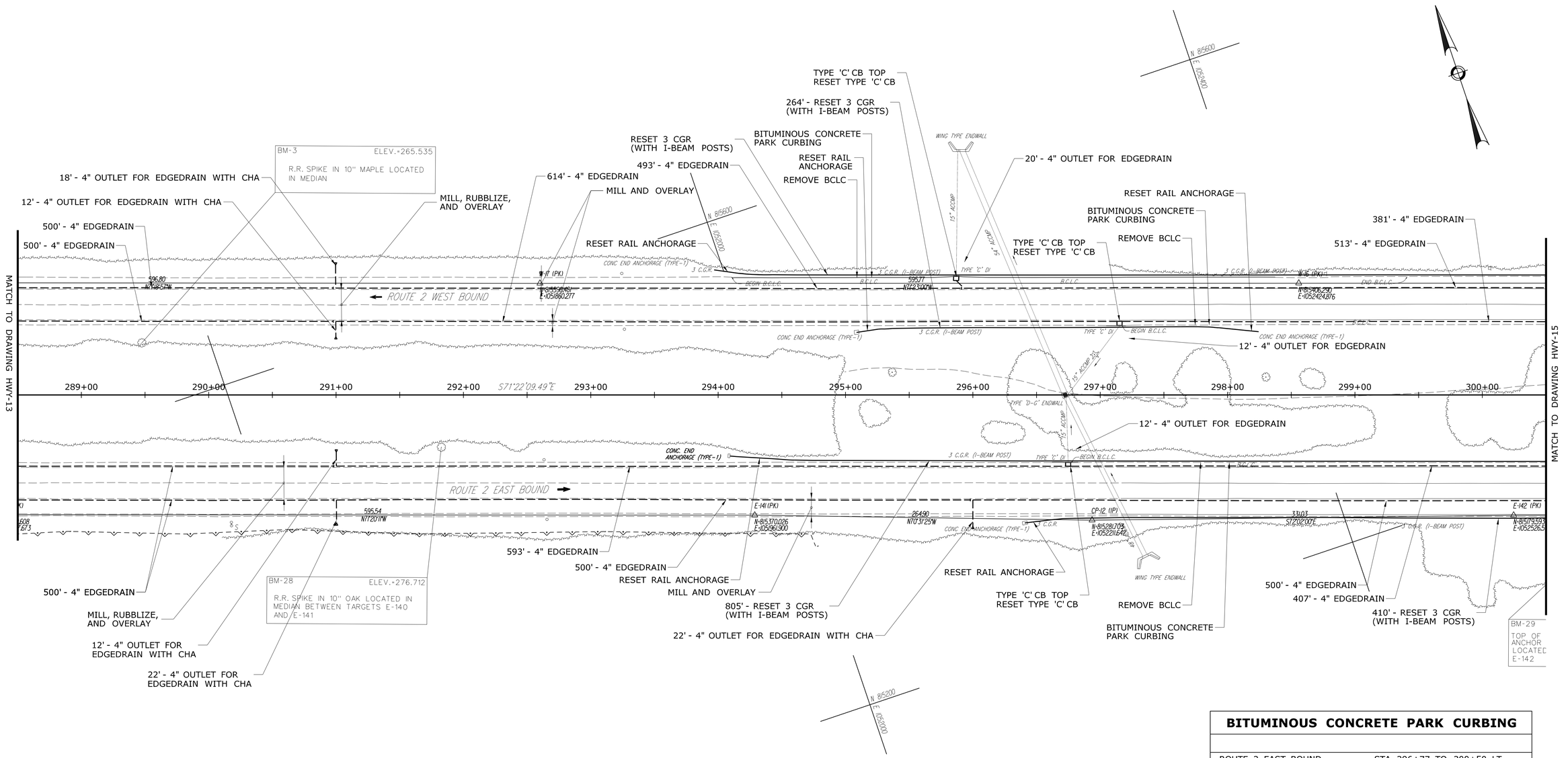
DRAWING TITLE:
ROADWAY PLAN
STA 277+00 TO 288+50

PROJECT NO. **53-186**

DRAWING NO. **HWY-13**

SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 296+77 TO 300+50 LT.
ROUTE 2 WEST BOUND	STA. 294+10 TO 299+46 LT.
	STA. 297+17 TO 300+50 RT.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**
CHECKED BY: **A.L. NAFIS**
SCALE IN FEET 0 40 80
SCALE 1"=40'

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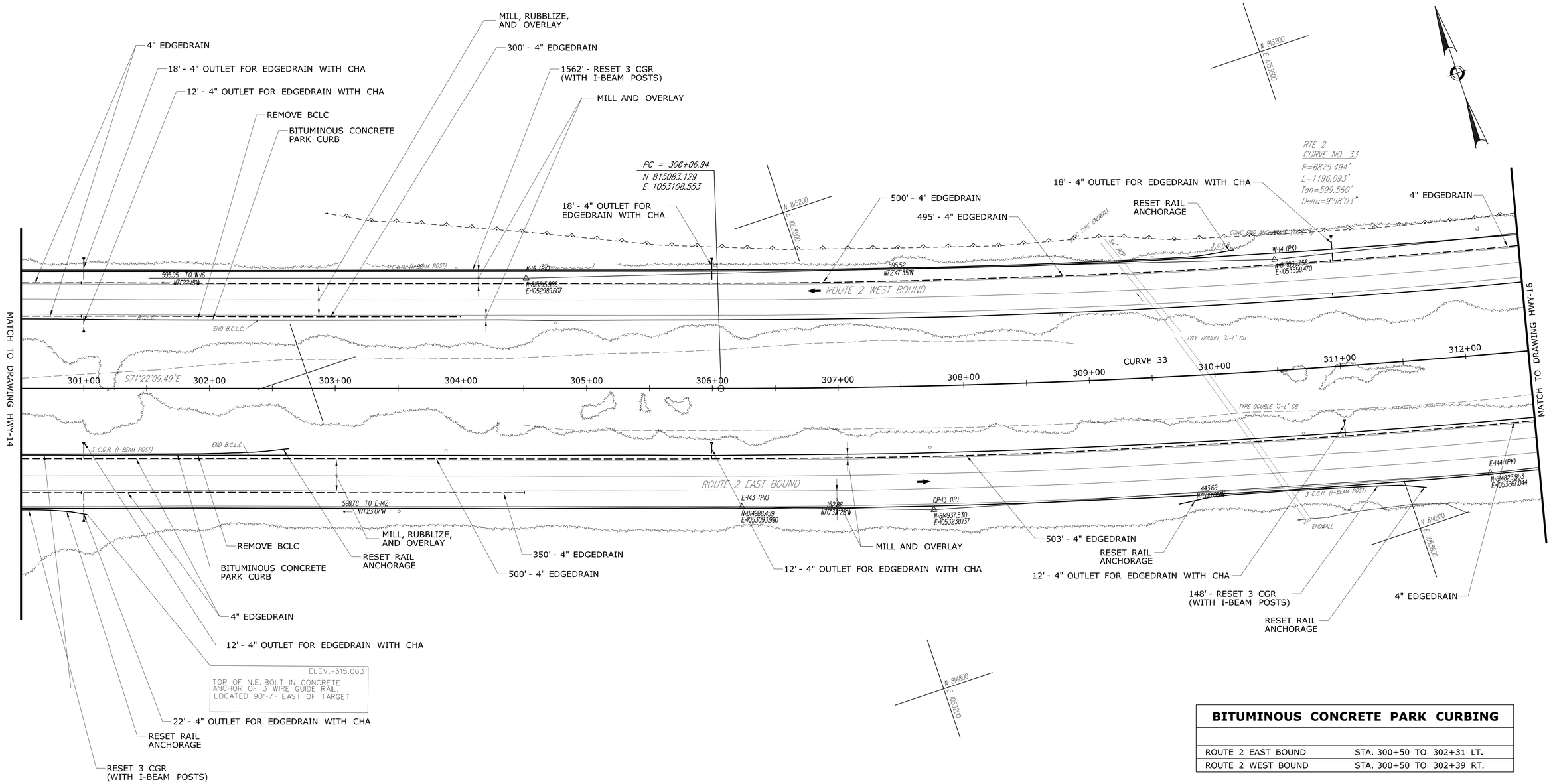
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 288+50 TO 300+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-14**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 300+50 TO 302+31 LT.
ROUTE 2 WEST BOUND	STA. 300+50 TO 302+39 RT.

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**

CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

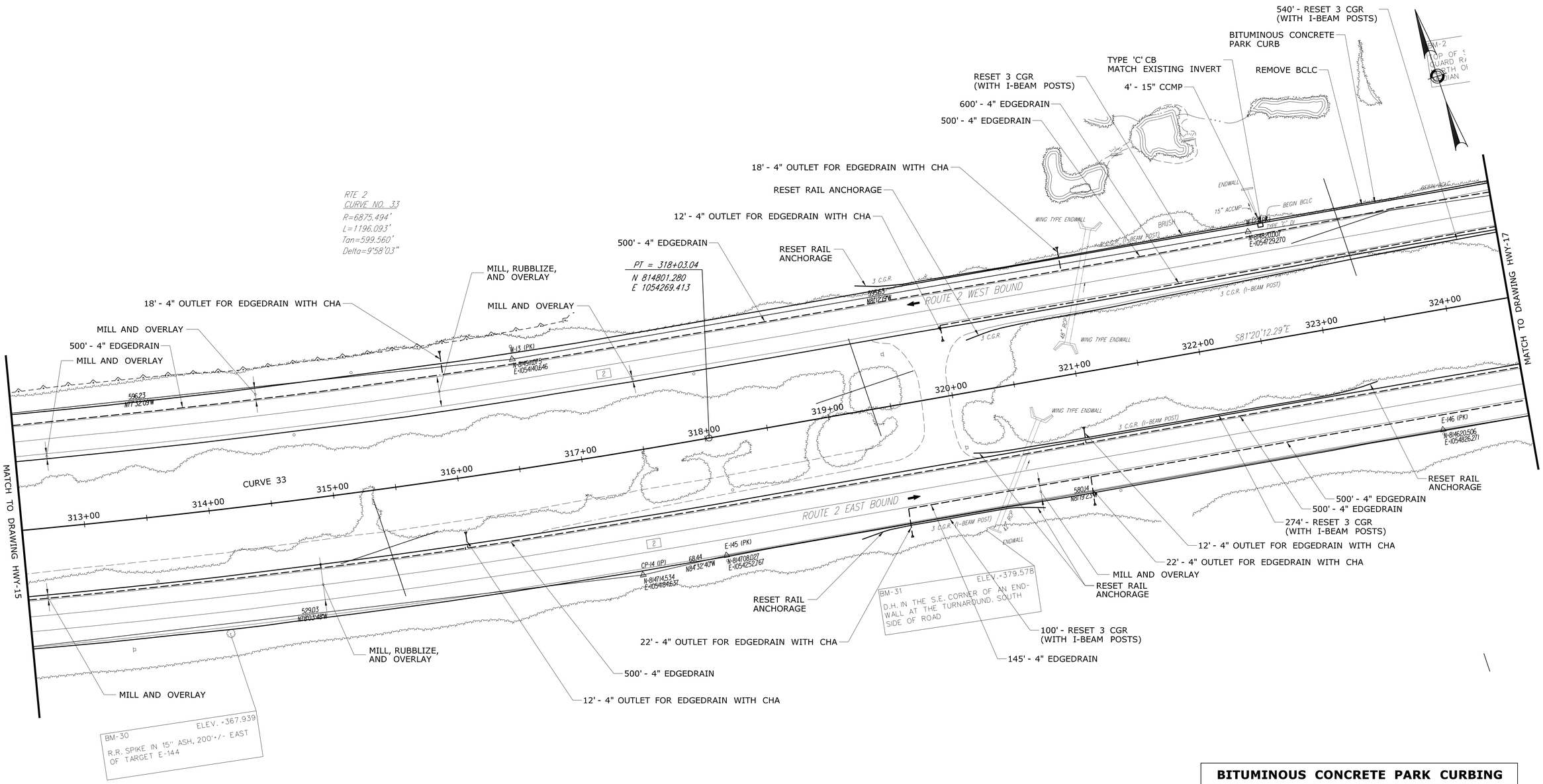
DRAWING TITLE:
ROADWAY PLAN STA 300+50 TO 312+50

PROJECT NO. **53-186**

DRAWING NO. **HWY-15**

SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 WEST BOUND	STA. 322+68 TO 324+50 LT.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
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PROJECT TITLE:

RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

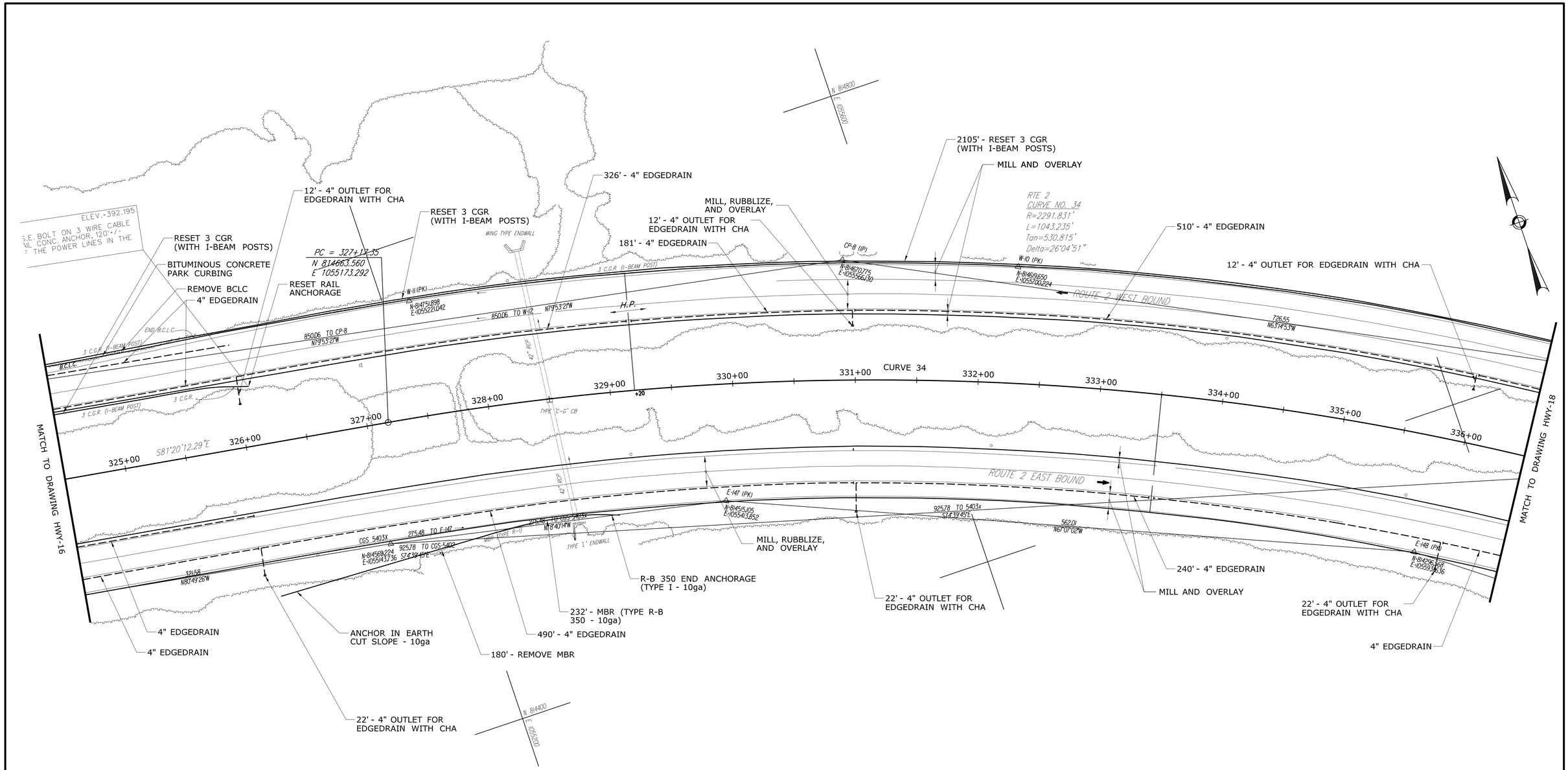
DRAWING TITLE: **ROADWAY PLAN STA 312+50 TO 324+50**

PROJECT NO. **53-186**

DRAWING NO. **HWY-16**

SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 WEST BOUND	STA. 324+50 TO 325+75 LT.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**

CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

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Filename: ...\HW_MST_0053_0186_03_17_PLN.dgn

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

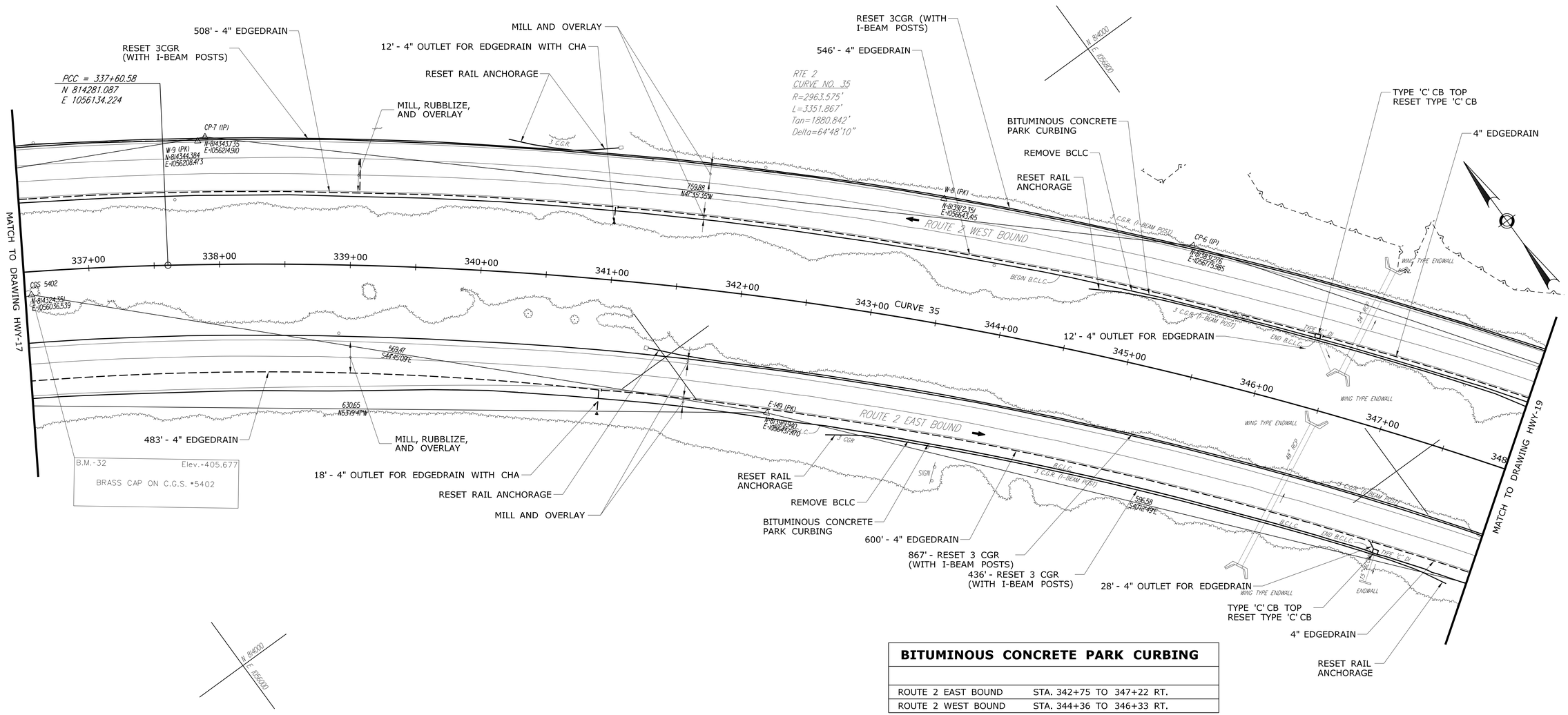
DRAWING TITLE:
ROADWAY PLAN STA 324+50 TO 336+50

PROJECT NO. **53-186**

DRAWING NO. **HWY-17**

SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 342+75 TO 347+22 RT.
ROUTE 2 WEST BOUND	STA. 344+36 TO 346+33 RT.

FINAL DESIGN REVIEW

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**

CHECKED BY: **A.L. NAFIS**

SCALE IN FEET 0 40 80

SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053_0186_03_18_PLN.dgn

SIGNATURE/ BLOCK:

Weston&Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

PROJECT TITLE:

RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

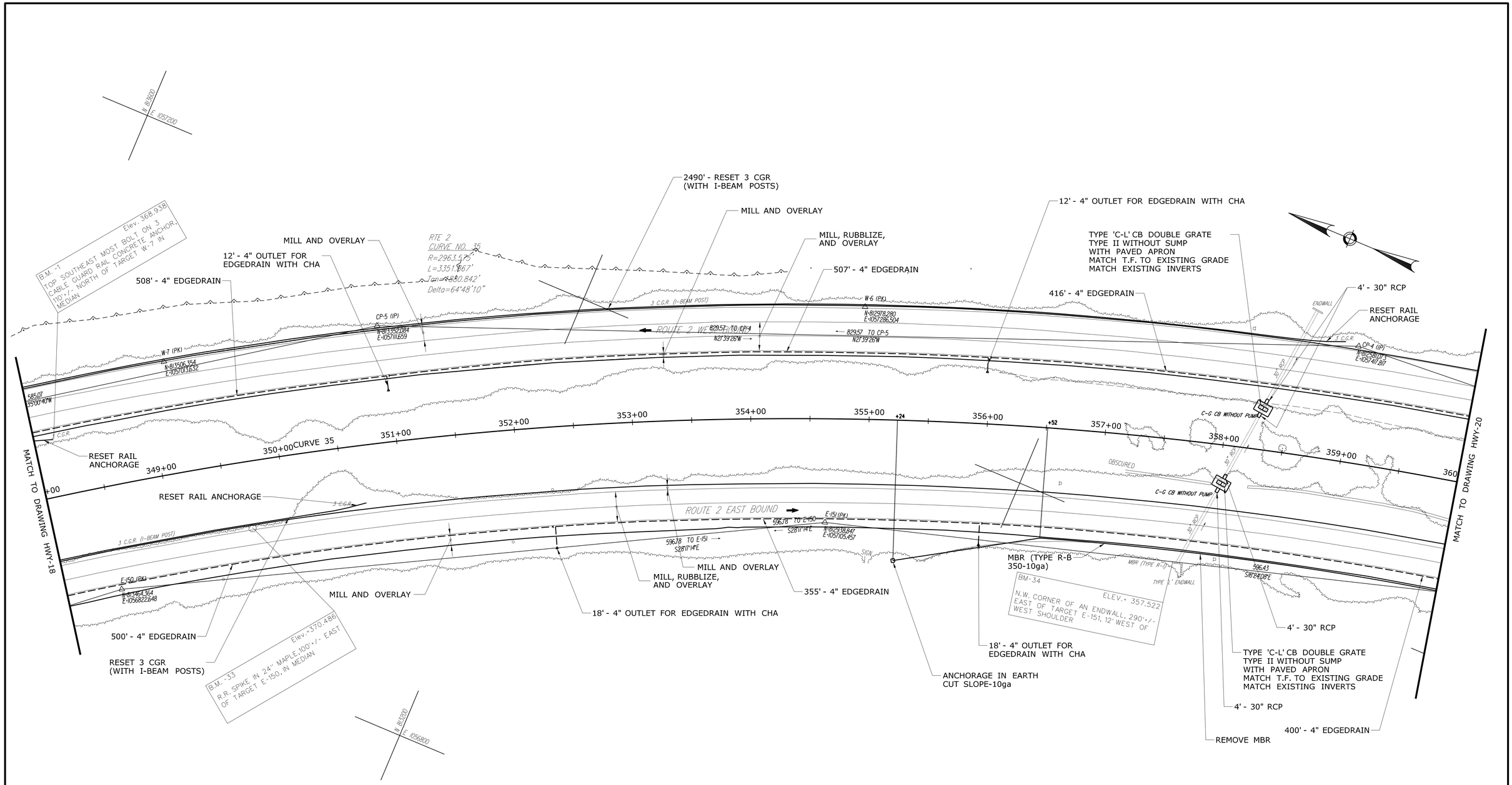
DRAWING TITLE: **ROADWAY PLAN STA 336+50 TO 348+00**

PROJECT NO. **53-186**

DRAWING NO. **HWY-18**

SHEET NO.

Border Version: 11/14/08



FINAL DESIGN REVIEW

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DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053.0186_03_19_PLN.dgn

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PROJECT TITLE:

RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

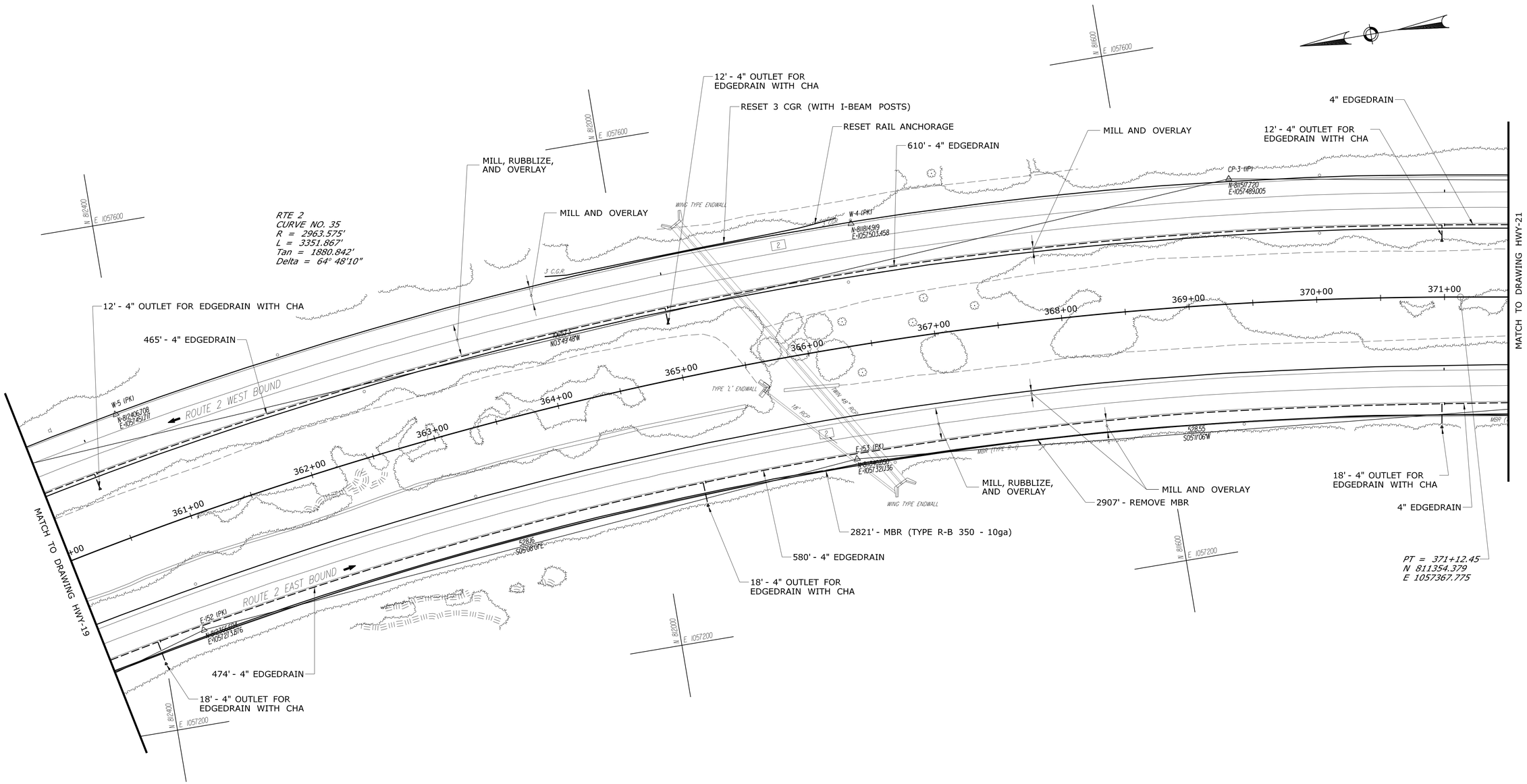
DRAWING TITLE: **ROADWAY PLAN STA 348+00 TO 360+00**

PROJECT NO. **53-186**

DRAWING NO. **HWY-19**

SHEET NO.

Border Version: 11/14/08



FINAL DESIGN REVIEW

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

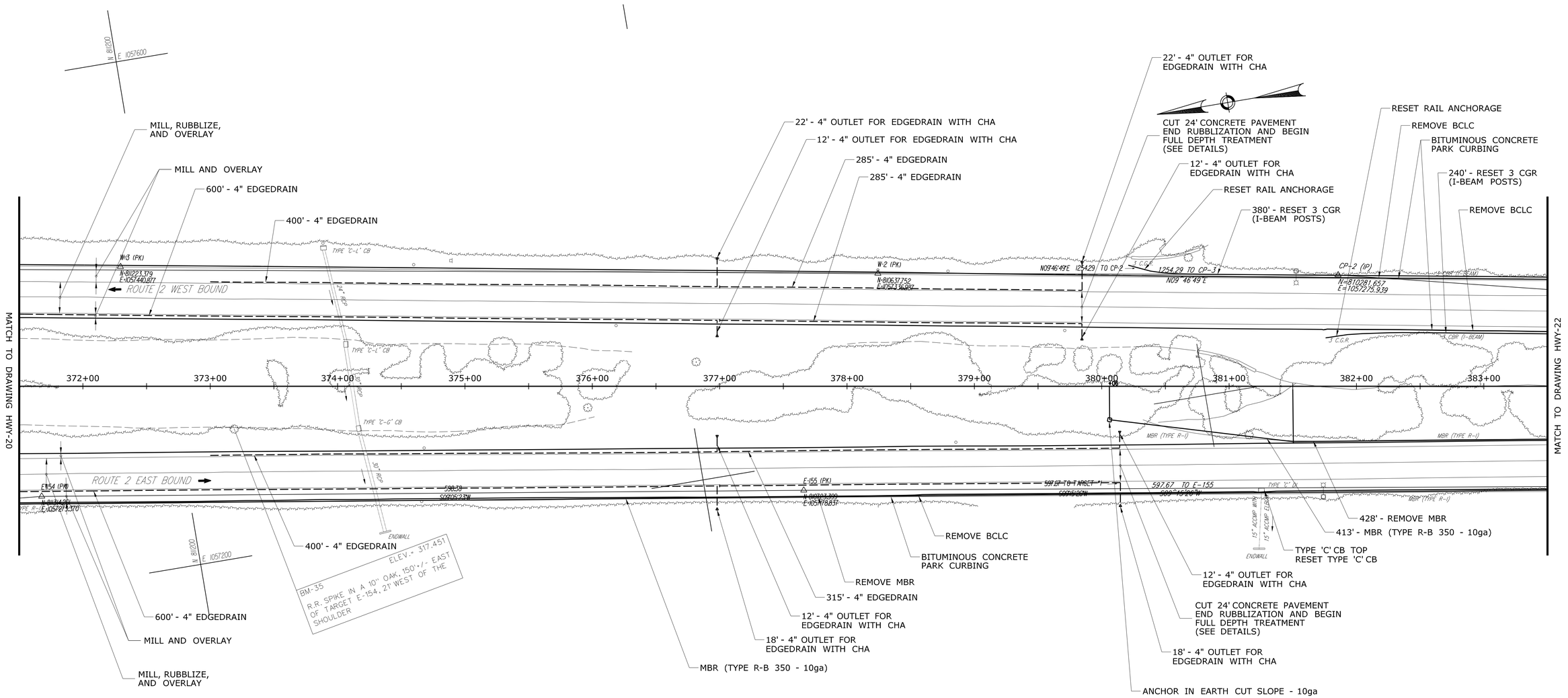
DRAWING TITLE:
ROADWAY PLAN STA 360+00 TO 371+50

PROJECT NO. **53-186**

DRAWING NO. **HWY-20**

SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 EAST BOUND	STA. 378+50 TO 383+50 RT.
	STA. 383+00 TO 383+50 LT.
ROUTE 2 WEST BOUND	STA. 383+00 TO 383+50 RT.
	STA. 382+00 TO 383+50 LT.

FINAL DESIGN REVIEW

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SCALE 1"=40'

STATE OF CONNECTICUT
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Filename: ...\HW_MST_0053_0186_03_21_PLN.dgn

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

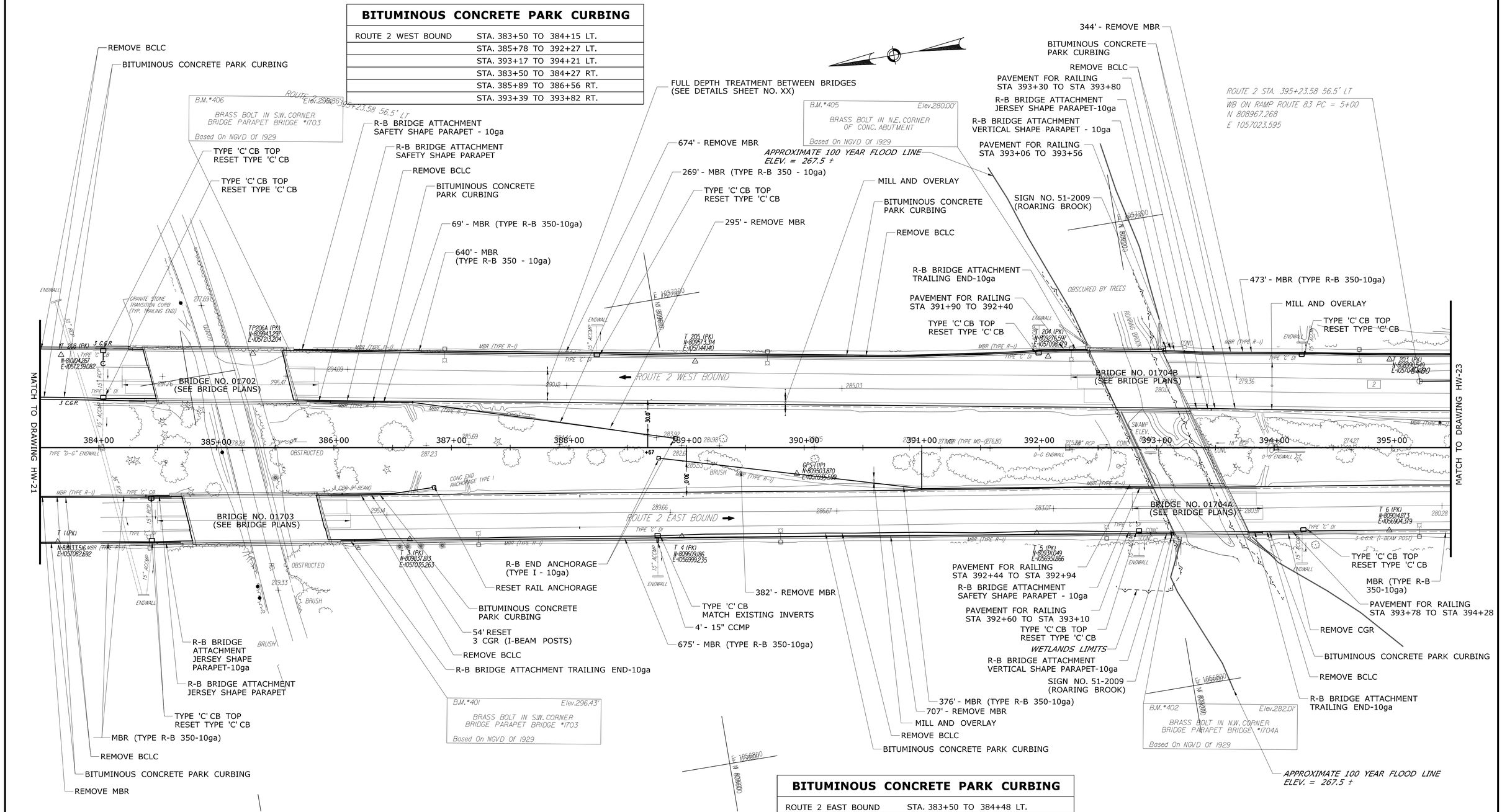
DRAWING TITLE:
ROADWAY PLAN STA 371+50 TO 383+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-21**
SHEET NO.

Border Version: 11/14/08

BITUMINOUS CONCRETE PARK CURBING

ROUTE 2 WEST BOUND	STA. 383+50 TO 384+15 LT.
	STA. 385+78 TO 392+27 LT.
	STA. 393+17 TO 394+21 LT.
	STA. 383+50 TO 384+27 RT.
	STA. 385+89 TO 386+56 RT.
	STA. 393+39 TO 393+82 RT.



BITUMINOUS CONCRETE PARK CURBING

ROUTE 2 EAST BOUND	STA. 383+50 TO 384+48 LT.
	STA. 386+07 TO 386+72 LT.
	STA. 383+50 TO 384+58 RT.
	STA. 386+18 TO 393+02 RT.
	STA. 393+89 TO 394+23 RT.

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

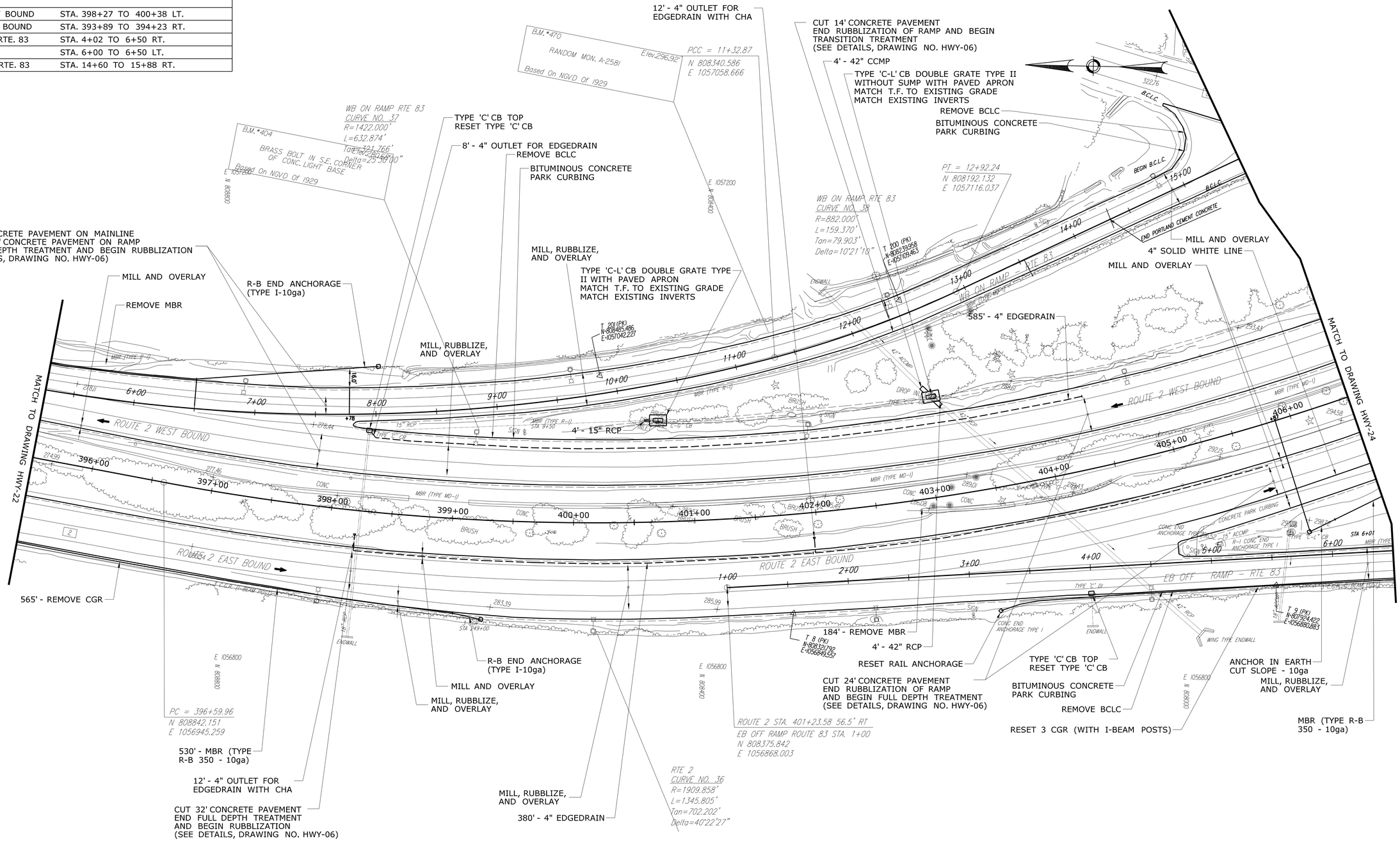
TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 383+50 TO 395+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-22**
SHEET NO.

Border Version: 11/14/08

BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 WEST BOUND	STA. 398+27 TO 400+38 LT.
ROUTE 2 EAST BOUND	STA. 393+89 TO 394+23 RT.
EB OFF RAMP RTE. 83	STA. 4+02 TO 6+50 RT.
	STA. 6+00 TO 6+50 LT.
WB ON RAMP RTE. 83	STA. 14+60 TO 15+88 RT.



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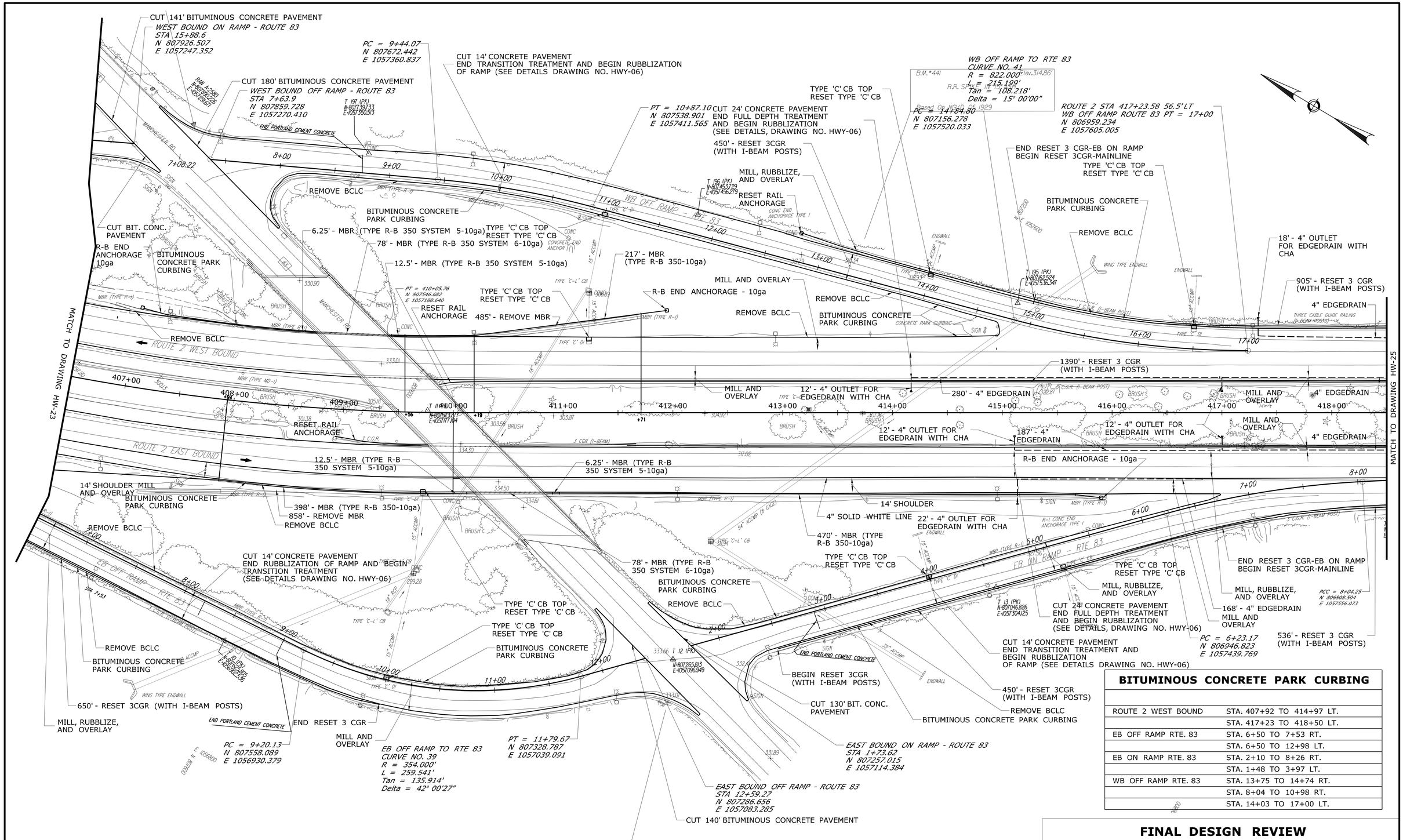
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 395+50 TO 406+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-23**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING

ROUTE 2 WEST BOUND	STA. 407+92 TO 414+97 LT.
	STA. 417+23 TO 418+50 LT.
EB OFF RAMP RTE. 83	STA. 6+50 TO 7+53 RT.
	STA. 6+50 TO 12+98 LT.
EB ON RAMP RTE. 83	STA. 2+10 TO 8+26 RT.
	STA. 1+48 TO 3+97 LT.
WB OFF RAMP RTE. 83	STA. 13+75 TO 14+74 RT.
	STA. 8+04 TO 10+98 RT.
	STA. 14+03 TO 17+00 LT.

FINAL DESIGN REVIEW

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STATE OF CONNECTICUT
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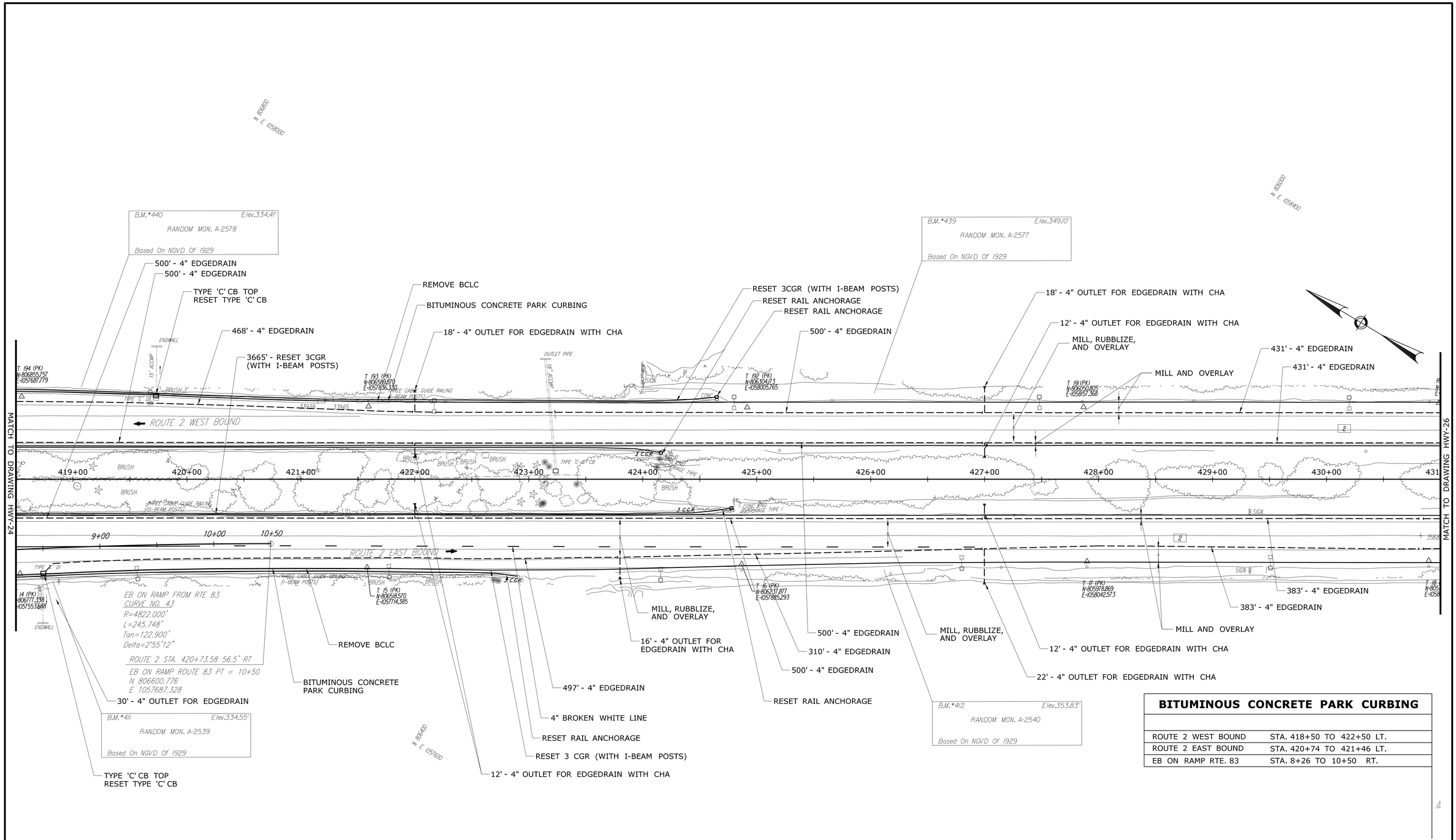
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 406+50 TO 418+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-24**
SHEET NO.

Border Version: 11/14/08



BITUMINOUS CONCRETE PARK CURBING	
ROUTE 2 WEST BOUND	STA. 418+50 TO 422+50 LT.
ROUTE 2 EAST BOUND	STA. 420+74 TO 421+46 LT.
EB ON RAMP RTE. 83	STA. 8+26 TO 10+50 RT.

FINAL DESIGN REVIEW

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Filename: ...\HW_MST_0053_0186_03_25_PLN.dgn

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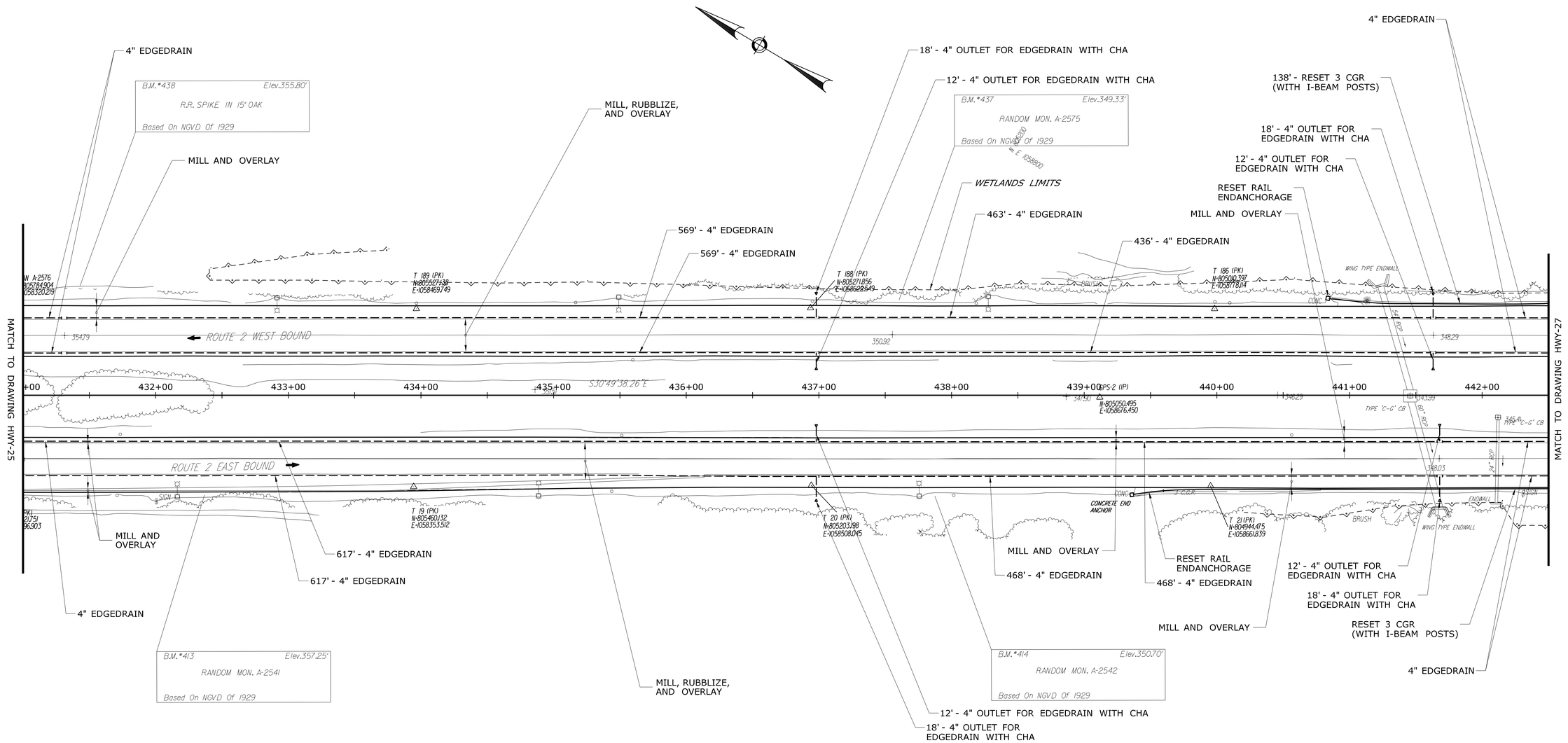
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 418+50 TO 431+00

PROJECT NO. **53-186**
DRAWING NO. **HWY-25**
SHEET NO.

Border Version: 11/14/08



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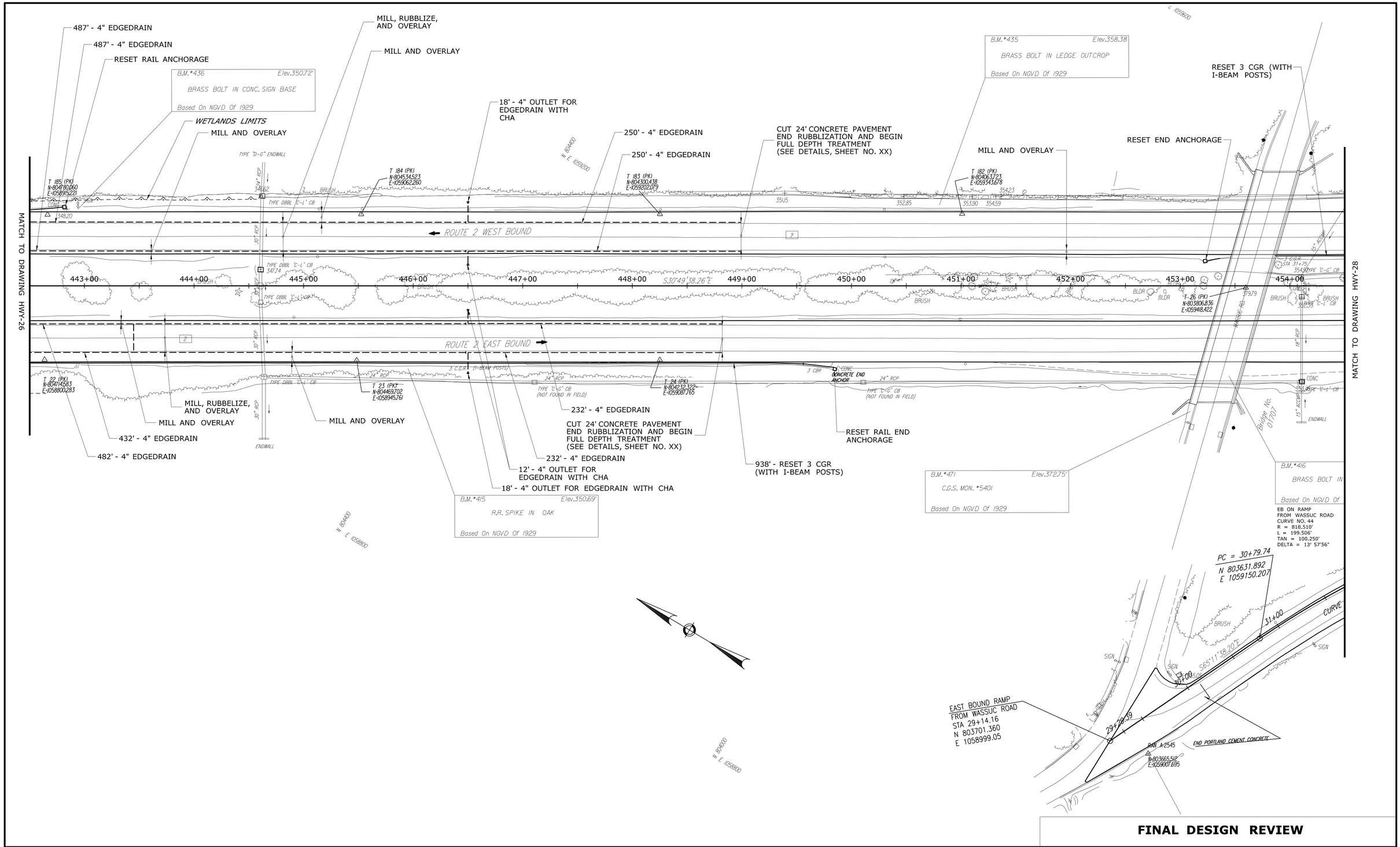
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE:
ROADWAY PLAN STA 431+00 TO 442+50

PROJECT NO. **53-186**
DRAWING NO. **HWY-26**
SHEET NO.

Border Version: 11/14/08



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PROJECT TITLE:

RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

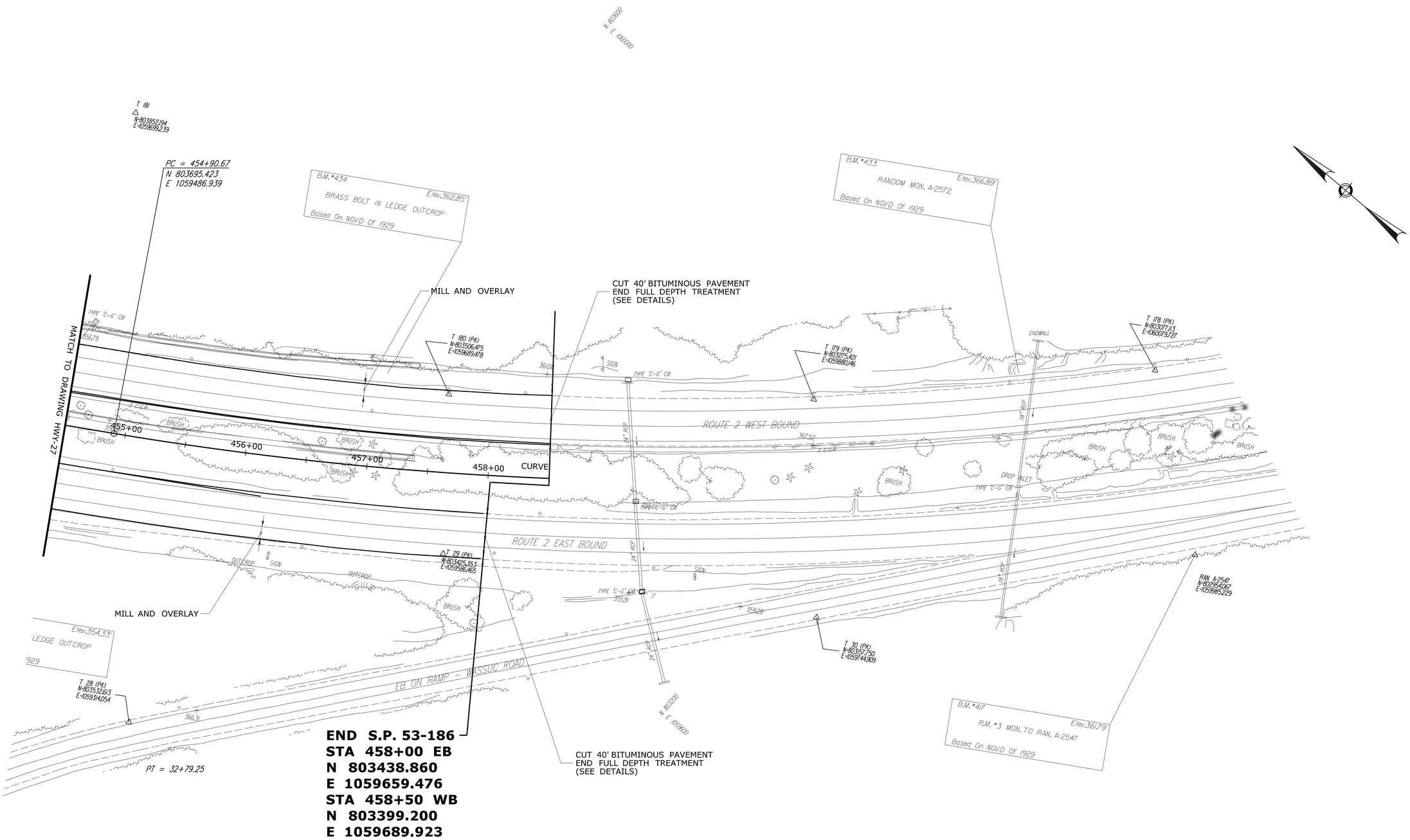
DRAWING TITLE: **ROADWAY PLAN STA 442+50 TO 454+50**

PROJECT NO. **53-186**

DRAWING NO. **HWY-27**

SHEET NO.

Border Version: 11/14/08



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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

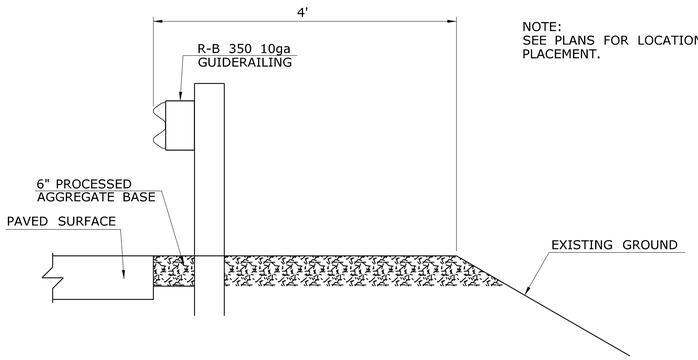
DRAWING TITLE:
ROADWAY PLAN
STA 454+50 TO 458+00

PROJECT NO. **53-186**

DRAWING NO. **HWY-28**

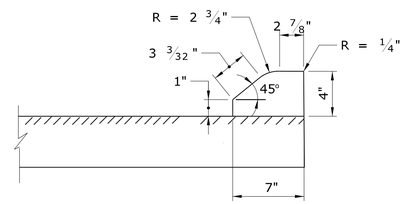
SHEET NO.

Border Version: 11/14/08

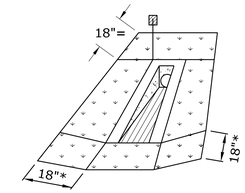


NOTE:
SEE PLANS FOR LOCATIONS OF PLACEMENT.

PROCESSED AGGREGATE BELOW GUIDERAIL INSTALLATION



4" BITUMINOUS CONCRETE PARK CURBING

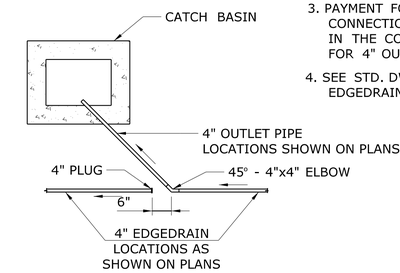


SOD PLACEMENT

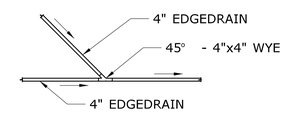
* PAYMENT LIMITS FOR "CONCRETE HEADWALL AND APRON

NOTE:

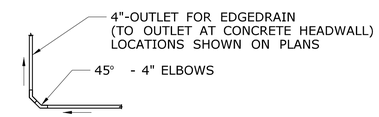
1. OUTLET TO C.B. TO BE PROVIDED WITH POSITIVE GRADE.
2. 4" OUTLET PIPE TO BE PAID FOR AS 4" OUTLET FOR EDGEDRAIN.
3. PAYMENT FOR ALL FITTINGS & CONNECTIONS, SHALL BE INCLUDED IN THE COST PER LINEAR FOOT FOR 4" OUTLET EDGEDRAIN.
4. SEE STD. DWG. 751-B AND THE PLANS FOR EDGEDRAIN, AND CONCRETE HEADWALL DETAILS.



TYPICAL EDGEDRAIN CONNECTION TO CATCH BASIN

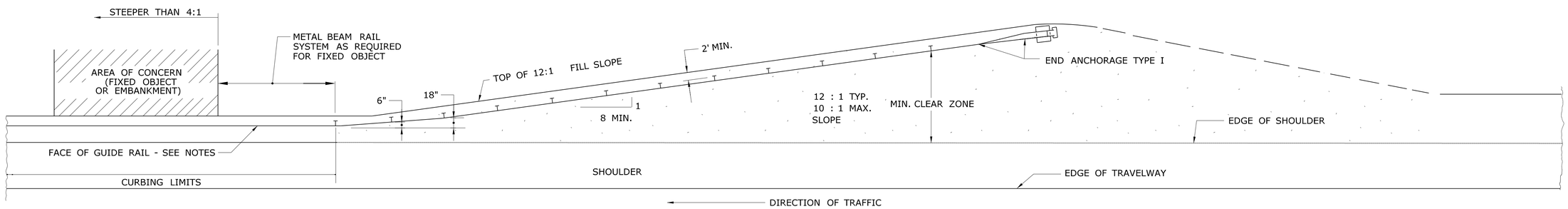


TO EDGEDRAIN "Y" CONNECTION



EDGEDRAIN TO CONCRETE ENDWALL

TYPICAL EDGEDRAIN CONNECTION



TYPICAL GRADING PLAN FOR PLACEMENT OF METAL BEAM GUIDERAIL END ANCHOR (LEADING END)

NOTES:

1. THE PLACEMENT OF THE FACE OF GUIDERAIL SHALL BE AS FOLLOWS:

   WITHOUT CURBING: FACE OF GUIDERAIL MAY BE PLACED BEYOND THE EDGE OF SHOULDER. REFER TO R-B 350 GUIDERAIL DETAILS FOR CRITERIA OF RAIL PLACEMENT ON SLOPES.

   WITH CURBING: FACE OF GUIDERAIL MUST BE PLACED FLUSH WITH FACE OF CURBING.

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Plotted Date: 3/3/2013

DESIGNER/DRAFTER: E.C. BARTHOLOMEW
CHECKED BY: A.L. NAFIS

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053_0186_03_29_DETAILS.dgn

SIGNATURE/ BLOCK:
Weston & Sampson
273 Dividend Road, Rocky Hill, CT 06067
(860) 513-1473 (800) SAMPSON
www.westonandsampson.com

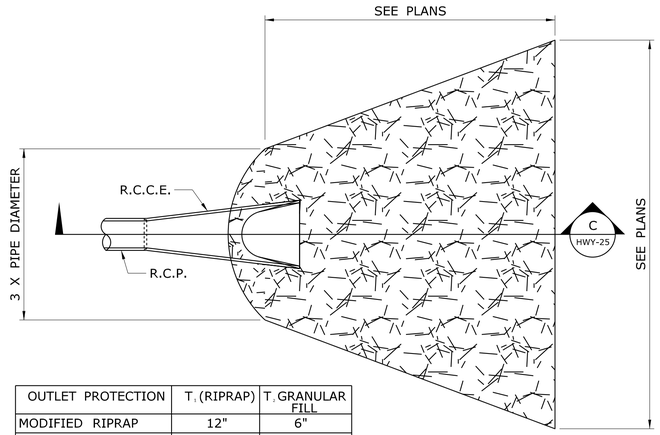
PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: GLASTONBURY

DRAWING TITLE:
MISCELLANEOUS DETAILS 1

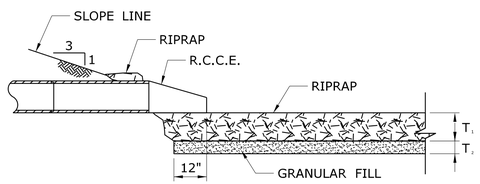
PROJECT NO. 53-186
DRAWING NO. HWY-29
SHEET NO.

Border Version: 11/14/08



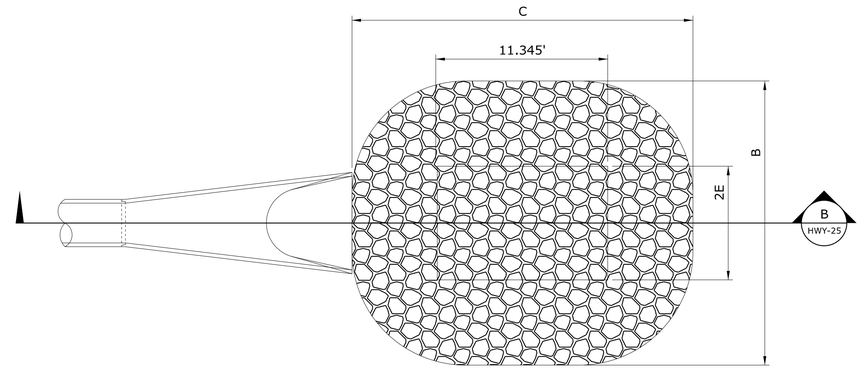
OUTLET PROTECTION	T_1 (RIPRAP)	T_2 GRANULAR FILL
MODIFIED RIPRAP	12"	6"
INTERMEDIATE RIPRAP	18"	6"
STANDARD RIPRAP	36"	12"

PLAN

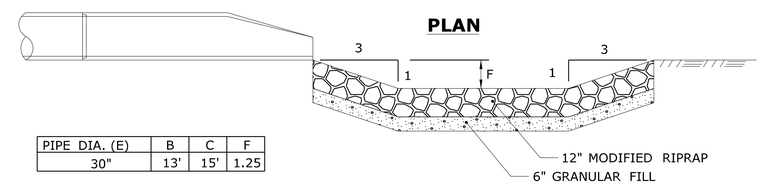


SECTION C HWY-25

TYPE A AND B RIPRAP APRON



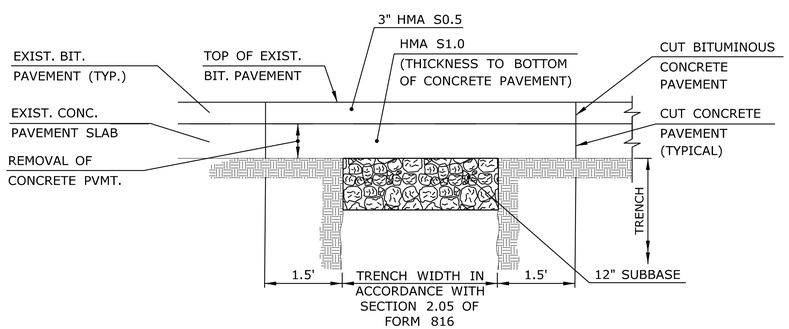
PLAN



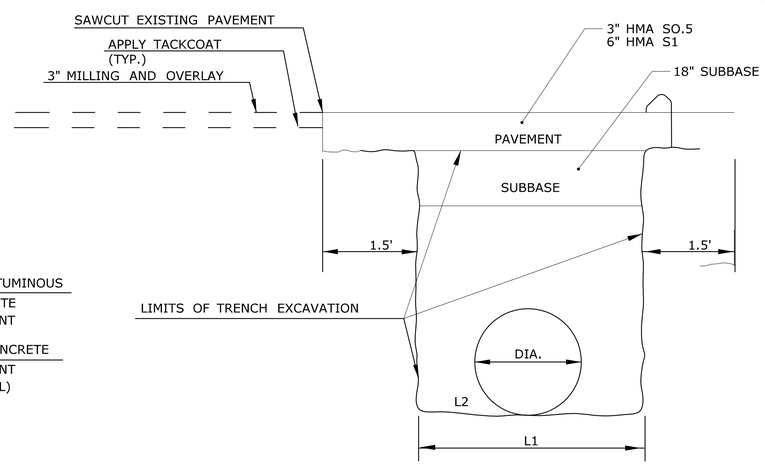
PIPE DIA. (E)	B	C	F
30"	13'	15'	1.25

SECTION B HWY-25

PREFORMED SCOUR HOLE



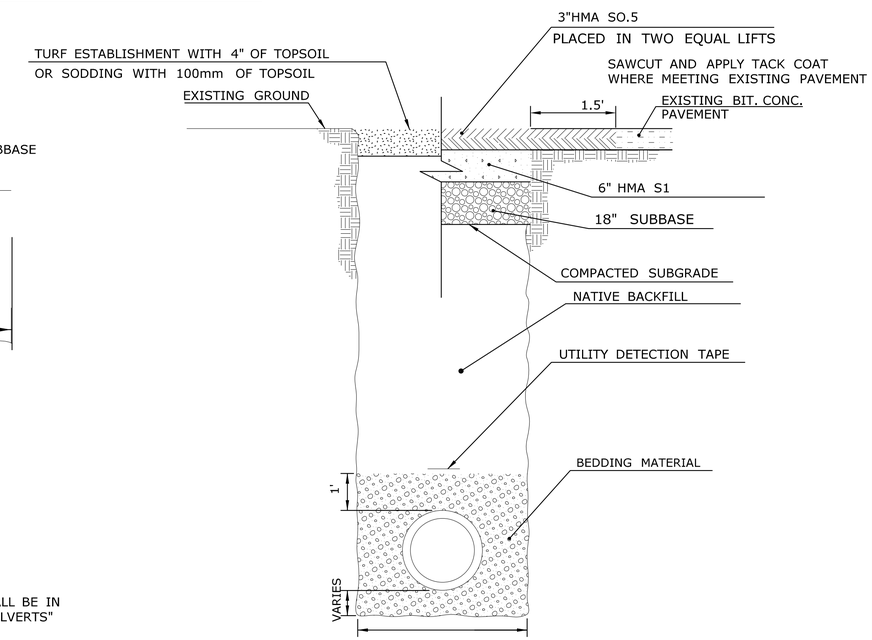
PAVEMENT RESTORATION FOR TRENCHES UNDER CONCRETE PAVEMENT



L1: DIA.+ 2' FOR PIPES UNDER 30"
DIA.+ 3' FOR PIPES 30" AND OVER

L2: TREATMENT OF BOTTOM OF TRENCH SHALL BE IN ACCORDANCE WITH "BEDDING FOR CULVERTS"

TYPICAL TREATMENT OF PAVEMENT REPLACEMENT AND LIMITS OF TRENCH EXCAVATION AT DRAINAGE INSTALLATIONS



DIA.+ 2' FOR PIPES UNDER 30"
DIA.+ 3' FOR PIPES 30" AND OVER

STORM SEWER TRENCH

FINAL DESIGN REVIEW

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: 3/3/2013

DESIGNER/DRAFTER: **E.C. BARTHOLOMEW**
CHECKED BY: **A.L. NAFIS**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MST_0053_0186_03_30_DETAILS.dgn

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PROJECT TITLE:
RESURFACING, BRIDGE, AND SAFETY IMPROVEMENTS ON RT. 2

TOWN: **GLASTONBURY**

DRAWING TITLE: **MISCELLANEOUS DETAILS 2**

PROJECT NO. **53-186**
DRAWING NO. **HWY-30**
SHEET NO.

Border Version: 11/14/08