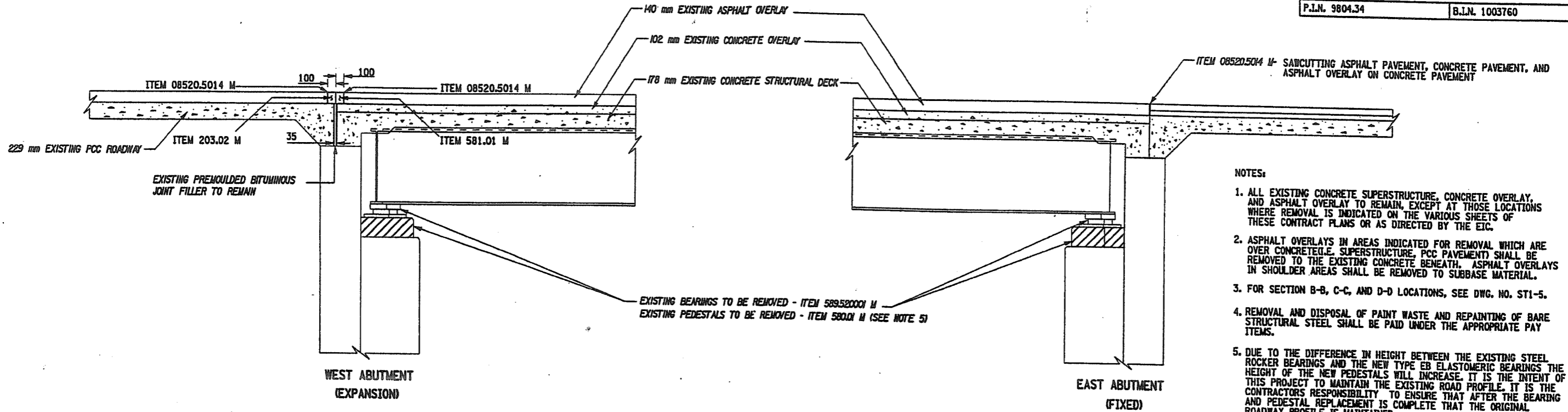


D259317

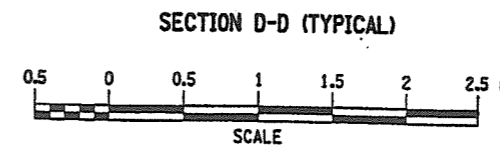
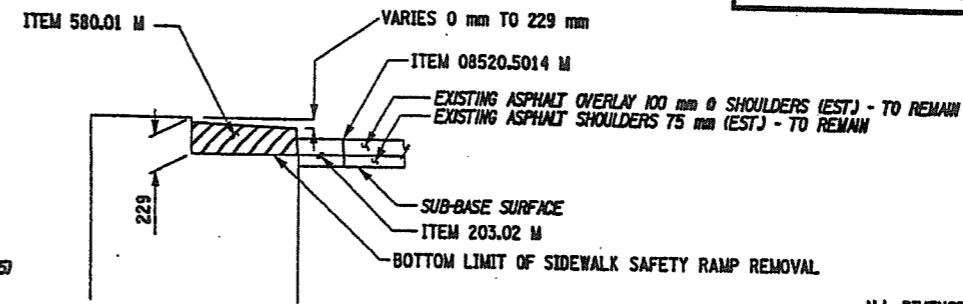
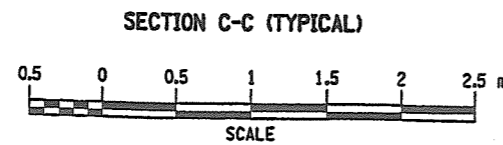
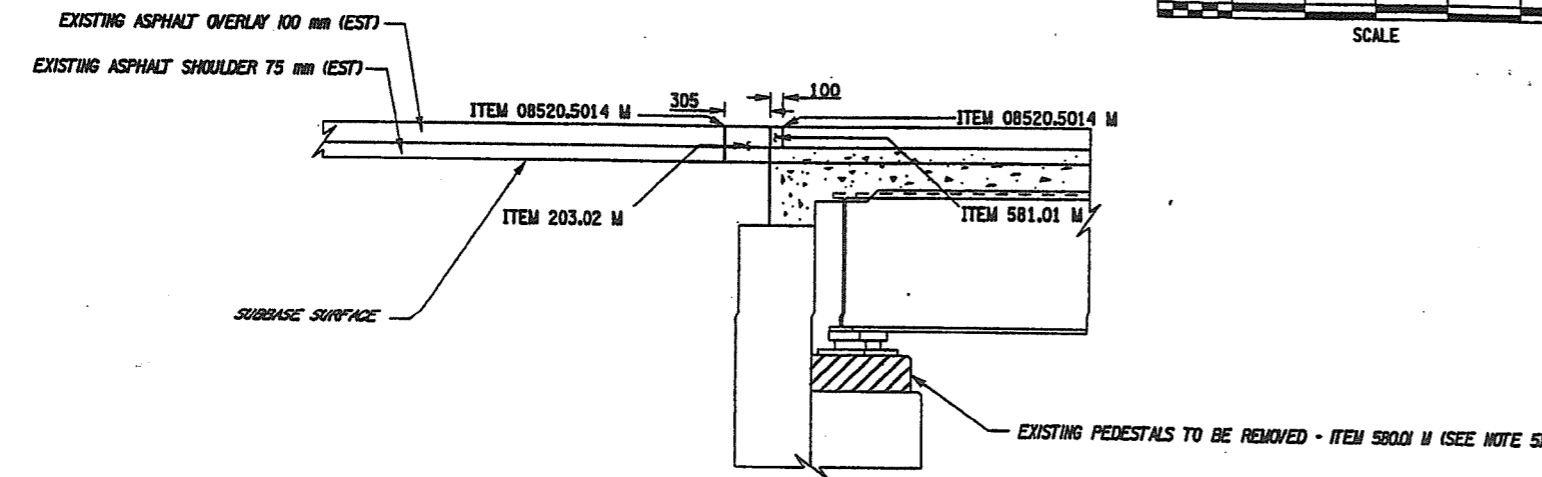
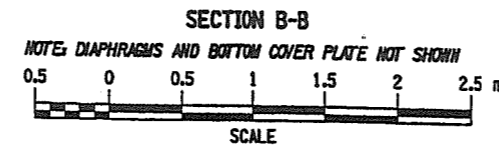
FIELD CHANGE SHEET

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	25F1	61
SH 5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 980434		B.I.N. 1003760		

NOTES:
 SHEET 25 F1 VOIDS ORIGINAL SHEET 25
 THIS FIELD CHANGE SHEET PEDESTAL REMOVAL AND NOTE CHANGE



- NOTES:
1. ALL EXISTING CONCRETE SUPERSTRUCTURE, CONCRETE OVERLAY, AND ASPHALT OVERLAY TO REMAIN, EXCEPT AT THOSE LOCATIONS WHERE REMOVAL IS INDICATED ON THE VARIOUS SHEETS OF THESE CONTRACT PLANS OR AS DIRECTED BY THE EIC.
 2. ASPHALT OVERLAYS IN AREAS INDICATED FOR REMOVAL WHICH ARE OVER CONCRETE (I.E. SUPERSTRUCTURE, PCC PAVEMENT) SHALL BE REMOVED TO THE EXISTING CONCRETE BENEATH. ASPHALT OVERLAYS IN SHOULDER AREAS SHALL BE REMOVED TO SUBBASE MATERIAL.
 3. FOR SECTION B-B, C-C, AND D-D LOCATIONS, SEE DWG. NO. ST1-5.
 4. REMOVAL AND DISPOSAL OF PAINT WASTE AND REPAINTING OF BARE STRUCTURAL STEEL SHALL BE PAID UNDER THE APPROPRIATE PAY ITEMS.
 5. DUE TO THE DIFFERENCE IN HEIGHT BETWEEN THE EXISTING STEEL ROCKER BEARINGS AND THE NEW TYPE EB ELASTOMERIC BEARINGS THE HEIGHT OF THE NEW PEDESTALS WILL INCREASE. IT IS THE INTENT OF THIS PROJECT TO MAINTAIN THE EXISTING ROAD PROFILE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT AFTER THE BEARING AND PEDESTAL REPLACEMENT IS COMPLETE THAT THE ORIGINAL ROADWAY PROFILE IS MAINTAINED.



ITEM 580.01 M - STRUCTURAL CONCRETE REMOVAL

APPROVED 3-2-04
 DEPUTY CHIEF ENGINEER FOR CONSTRUCTION DATE

APPROVED 2/23/04
 REGIONAL CONSTRUCTION ENGINEER DATE

THESE SIGNATURES ARE FOR THE APPROVAL OF THE FOLLOWING SHEETS: 25F1, 28A1, 29F1, 33F1, 34F1, 35F1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

SIGNATURE DATE

NYS ROUTE 7/BELDEN BROOK

REMOVAL AND EXCAVATION DETAILS

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAWING NO.
980434ABEBA	9	8/2002	ST1-4

D259317

D259317

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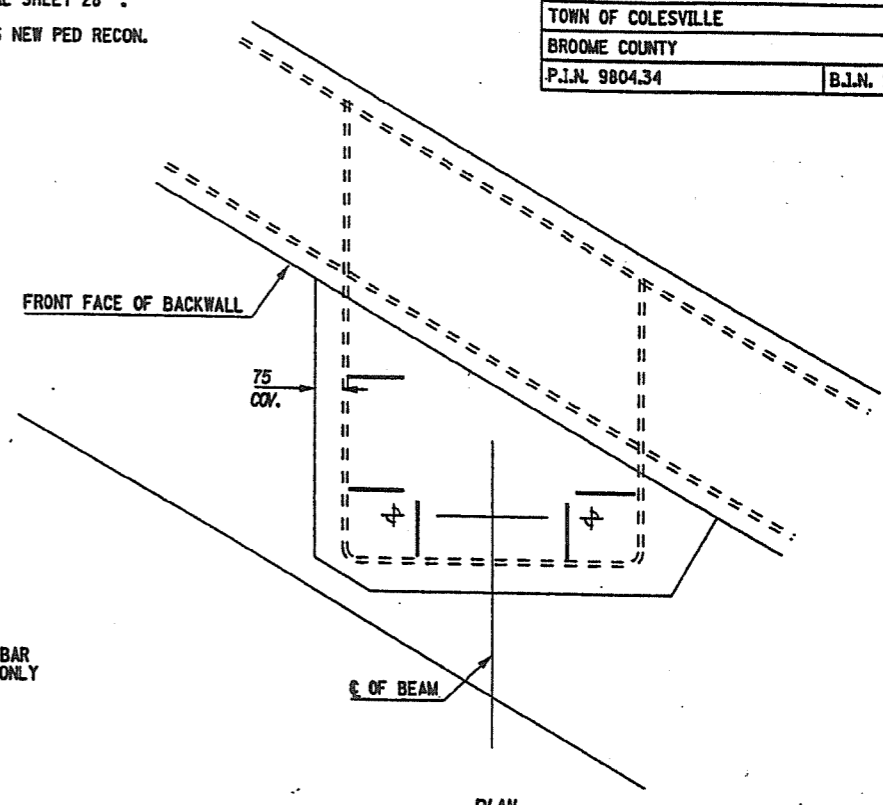
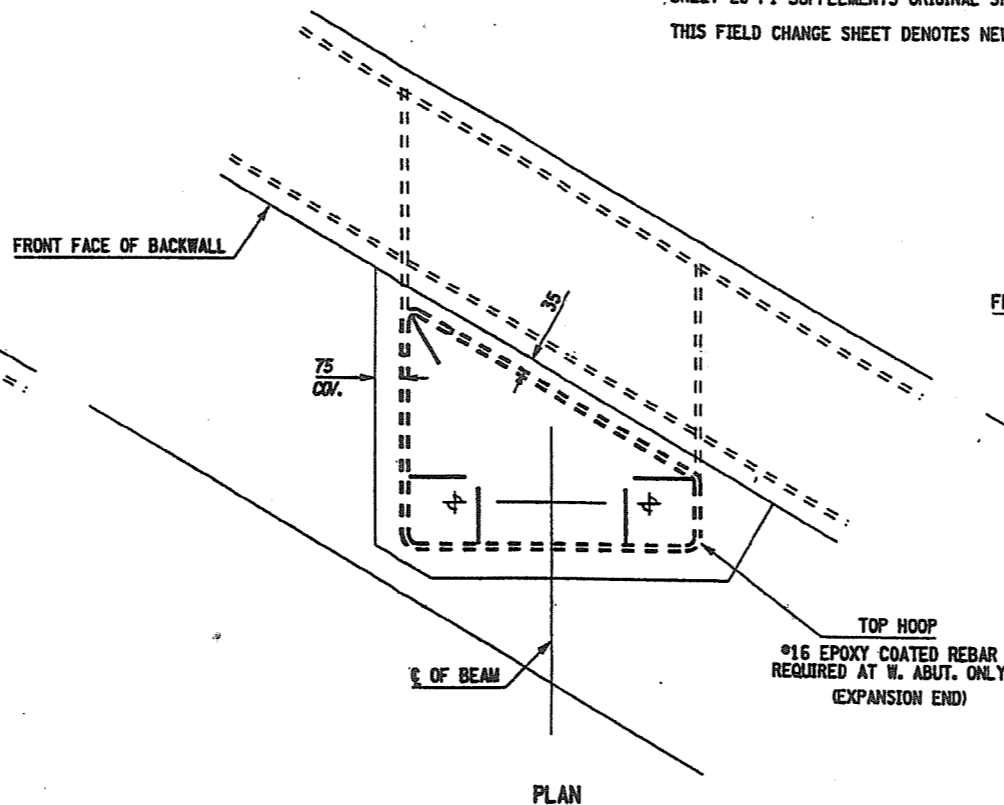
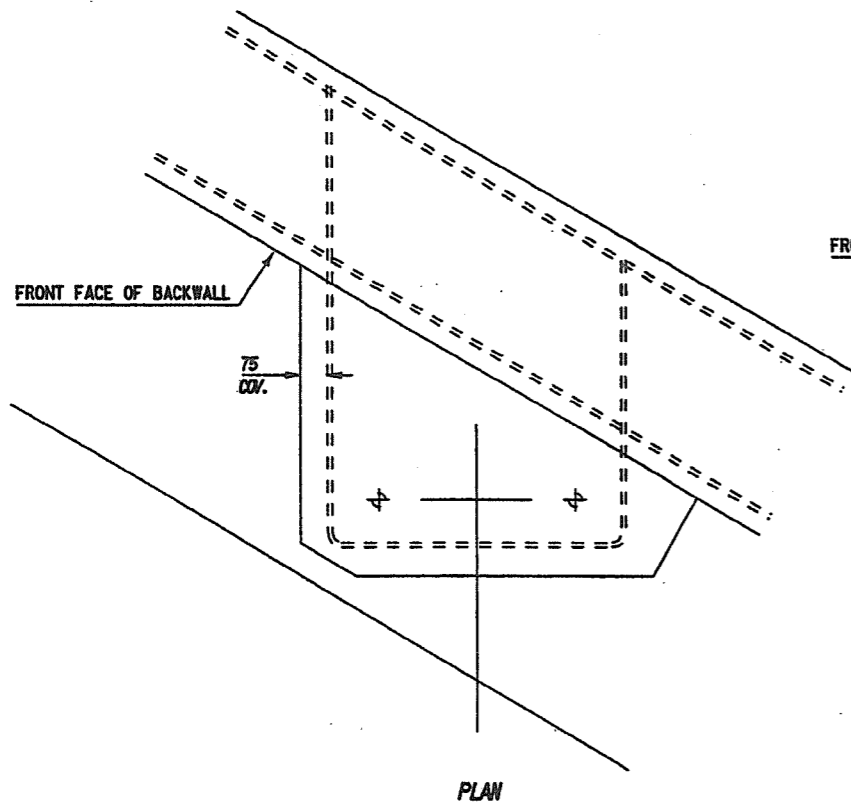
CHECKED BY
 DRAFTED BY
 ESTIMATED BY
 CHECKED BY
 DESIGNED BY
 JOB MANAGER
 DESIGN SUPERVISOR

D259317

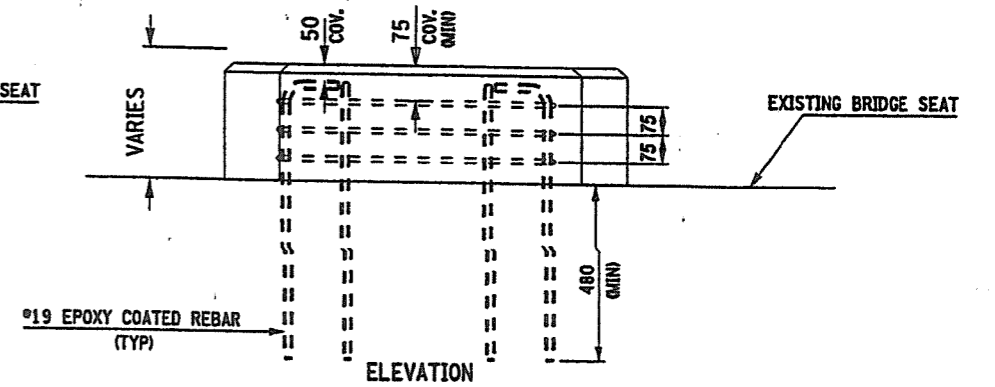
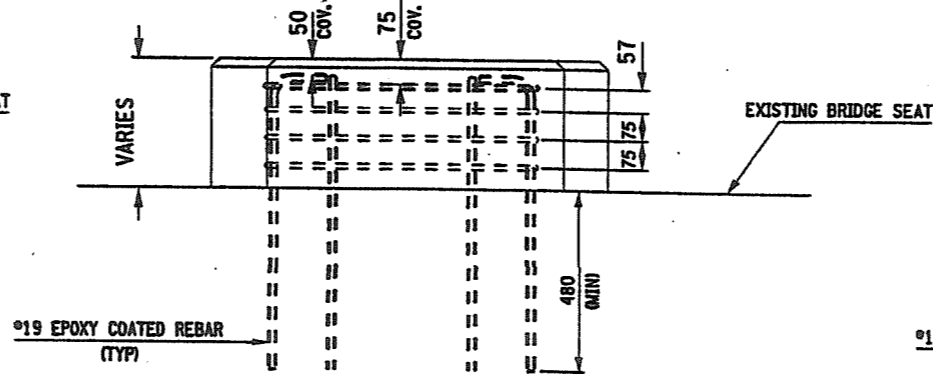
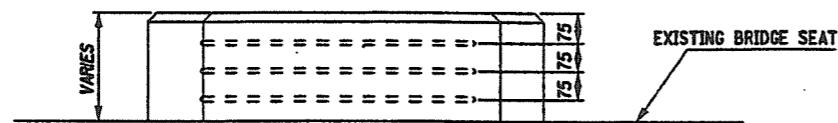
FIELD CHANGE SHEET

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	28F1	61
SH 5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.L.N. 980434		B.L.N. 1003760		

NOTES:
 SHEET 28 F1 SUPPLEMENTS ORIGINAL SHEET 28 .
 THIS FIELD CHANGE SHEET DENOTES NEW PED RECON.



TOP HOOP
 #16 EPOXY COATED REBAR
 REQUIRED AT W. ABUT. ONLY
 (EXPANSION END)

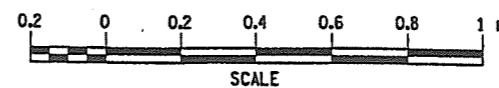
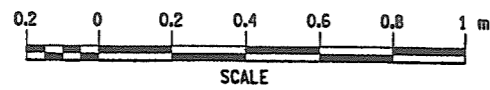


EXISTING PEDESTAL REBAR

ELEVATION

PROPOSED PEDESTAL REBAR

ELEVATION



SEE SHEET NUMBER 25F1 FOR APPROVAL

D259317

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

SIGNATURE DATE

NYS ROUTE 7/BELDEN BROOK

PEDESTAL RECONSTRUCTION



STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

FILENAME 980434AB.ABA	REGION 9	DATE 08/03	DRAWING NO. ST1-9A
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 JOB MANAGER
 DESIGN SUPERVISOR

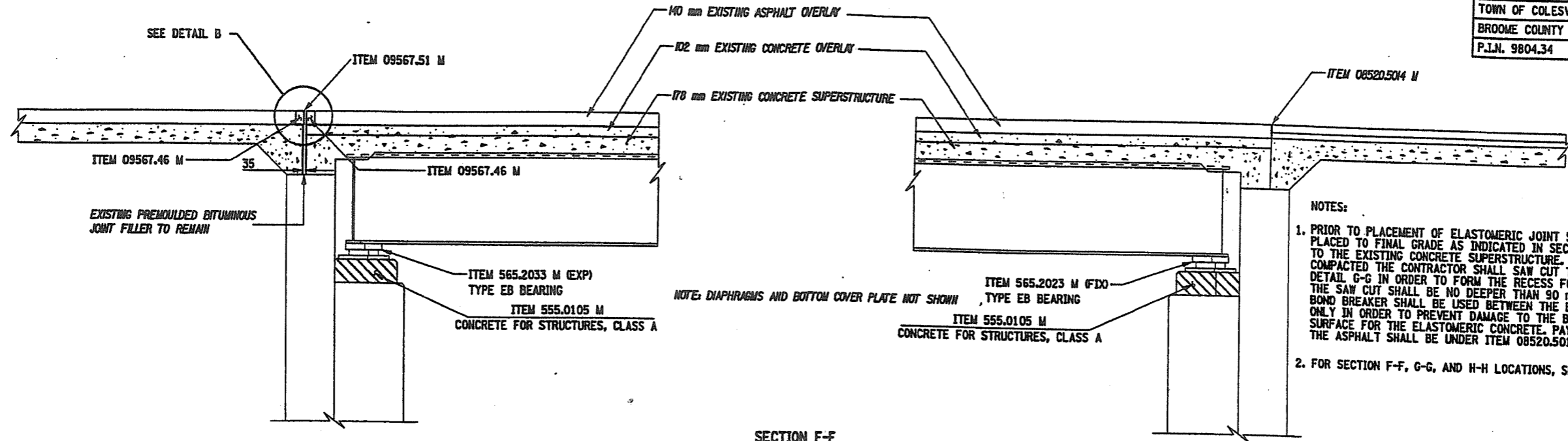
D259317

D259317

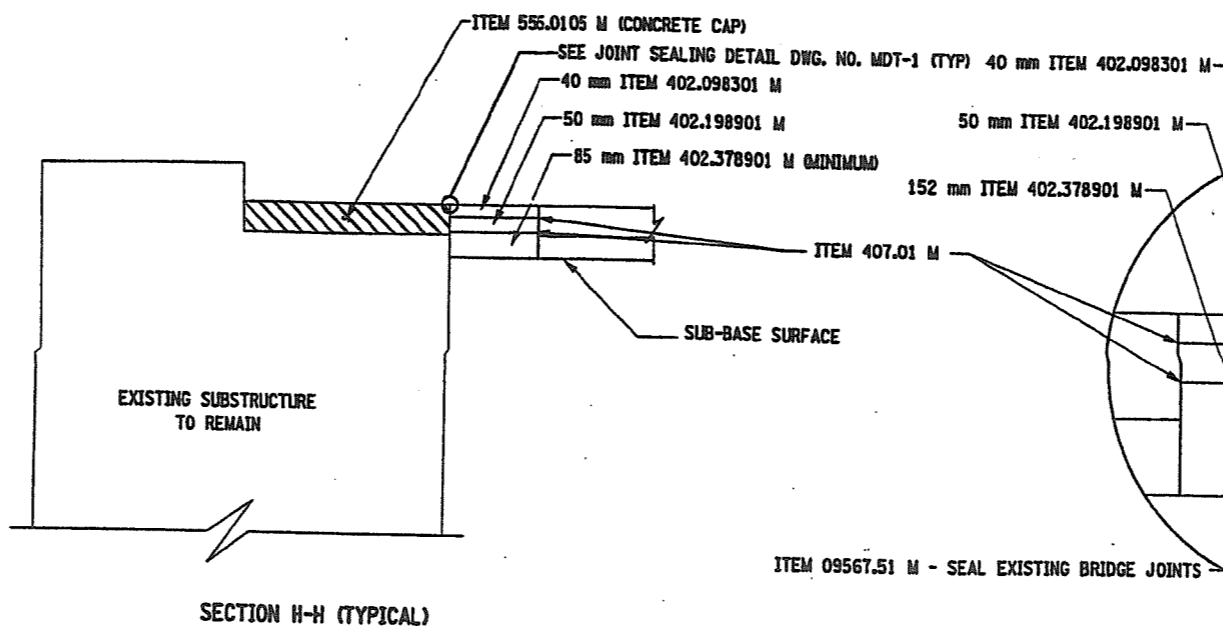
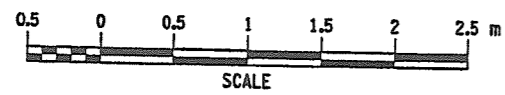
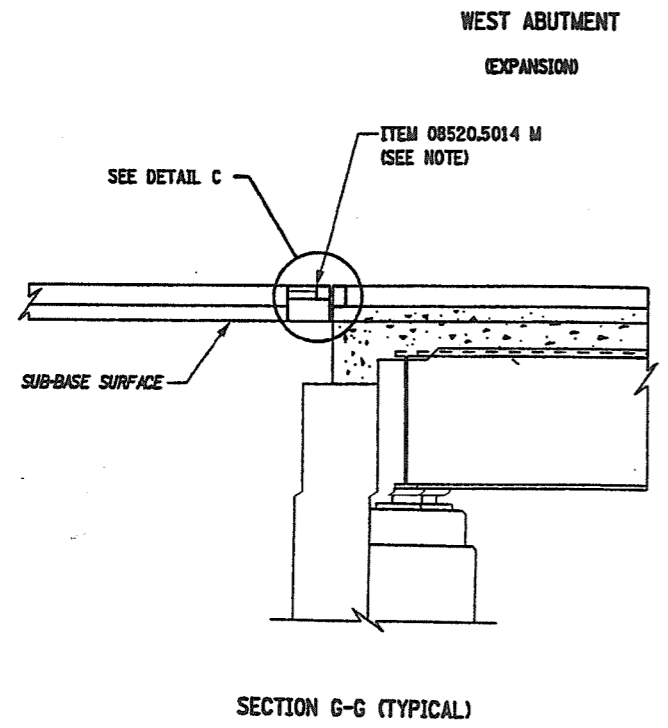
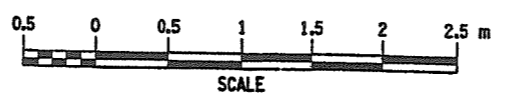
FIELD CHANGE SHEET

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	29F1	61
5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.L.N. 9804.34			B.L.N. 1003760	

NOTES:
 SHEET 29 F1 VOIDS ORIGINAL SHEET 29 .
 THIS FIELD CHANGE SHEET DENOTES PEDESTAL REPLACEMENT ITEM

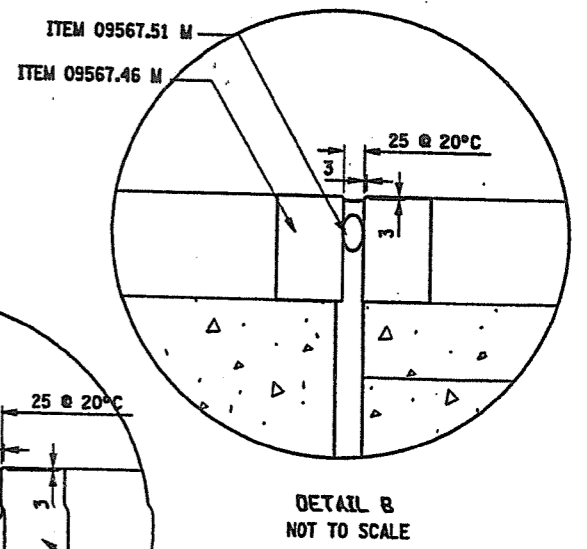


NOTES:
 1. PRIOR TO PLACEMENT OF ELASTOMERIC JOINT SYSTEM THE ASPHALT ITEMS SHALL BE PLACED TO FINAL GRADE AS INDICATED IN SECTION H-H. THE ASPHALT SHALL BE PLACED TO THE EXISTING CONCRETE SUPERSTRUCTURE. AFTER ASPHALT HAS BEEN PLACED AND COMPACTED THE CONTRACTOR SHALL SAW CUT THE ASPHALT AT THE LOCATION SHOWN IN DETAIL G-G IN ORDER TO FORM THE RECESS FOR ELASTOMERIC CONCRETE JOINT SYSTEM. THE SAW CUT SHALL BE NO DEEPER THAN 90 mm TO BOTTOM OF THE BINDER COURSE. A BOND BREAKER SHALL BE USED BETWEEN THE BINDER AND BASE COURSE IN THE JOINT AREA ONLY IN ORDER TO PREVENT DAMAGE TO THE BASE COURSE AND MAINTAIN A STABLE SURFACE FOR THE ELASTOMERIC CONCRETE. PAYMENT FOR SAW CUTTING AND REMOVAL OF THE ASPHALT SHALL BE UNDER ITEM 08520.5014 M.
 2. FOR SECTION F-F, G-G, AND H-H LOCATIONS, SEE DWG. NO. ST1-7.

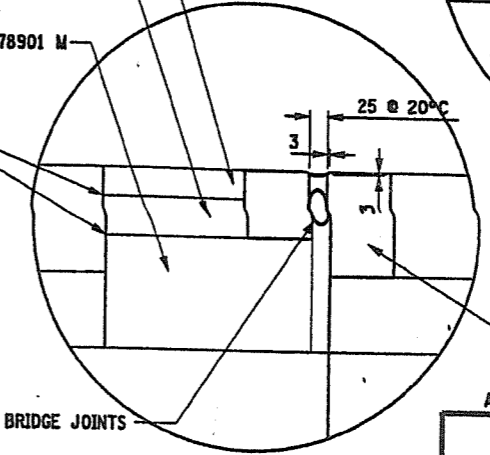


SECTION H-H (TYPICAL)
 NOT TO SCALE
 (BRIDGE RAIL NOT SHOWN)

ITEM 555.0105 M CONCRETE FOR STRUCTURES - CLASS A



DETAIL B
 NOT TO SCALE



DETAIL C
 NOT TO SCALE

ITEM 09567.46 M - ELASTOMERIC CONCRETE FOR BRIDGE JOINT SYSTEM

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED AS BUILT REVISIONS

SIGNATURE _____ DATE _____
 NYS ROUTE 7/BELDEN BROOK
 JOINT RECONSTRUCTION DETAILS

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION
FILENAME: 980434 AR 1RA REGION: 9 DATE: 11/02 DRAWING NO.: ST1-8

SEE SHEET NUMBER 25F1 FOR APPROVAL

D259317

D259317

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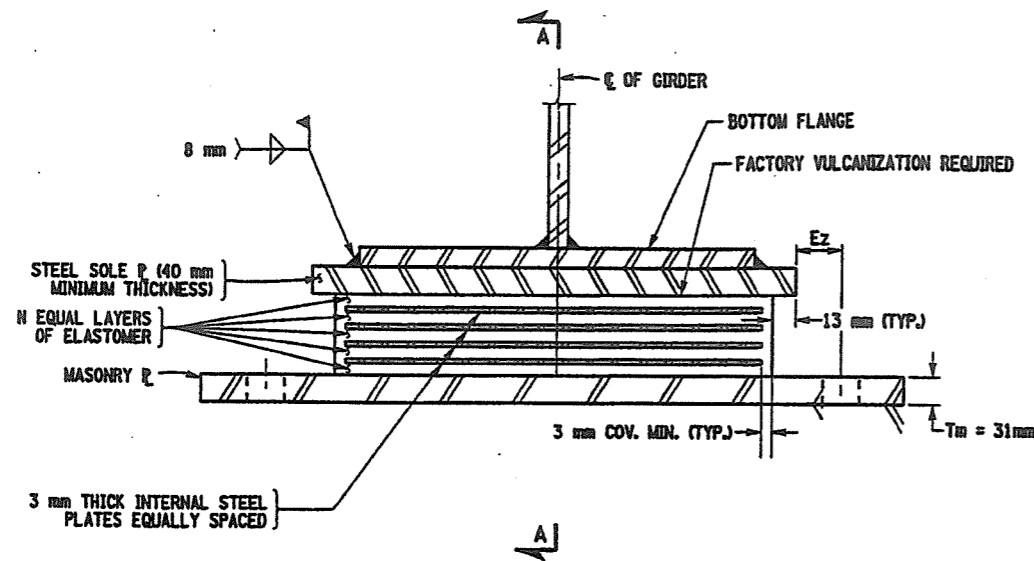
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 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____

D259317

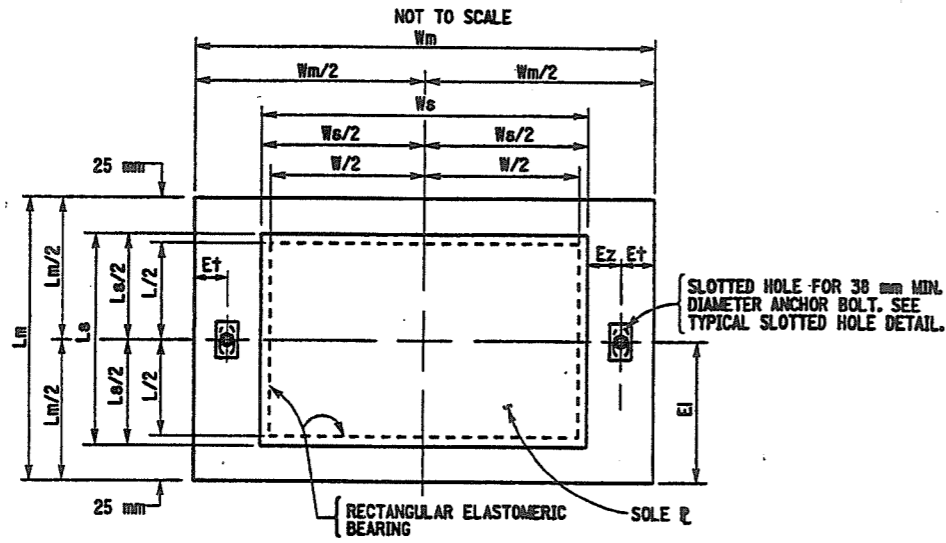
FIELD CHANGE SHEET

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	33F1	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	

CHECKED BY
 DRAFTED BY
 ESTIMATED BY
 CHECKED BY
 DESIGNED BY
 JOB MANAGER
 DESIGN SUPERVISOR



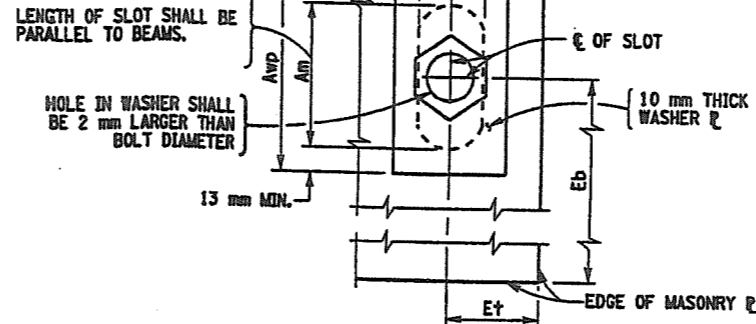
TYPICAL EXPANSION BEARING ELEVATION



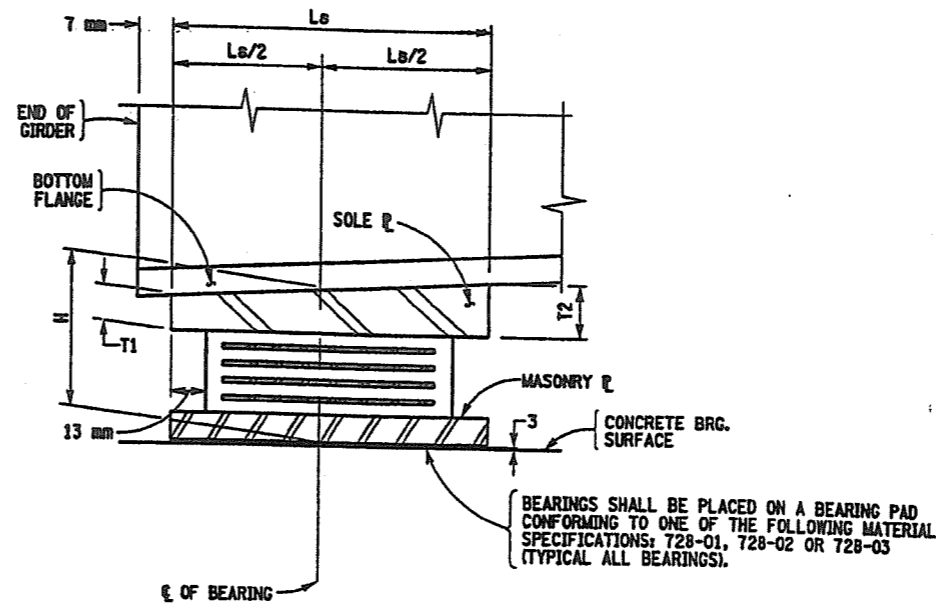
TYPICAL RECTANGULAR EXPANSION BEARING PLAN

MINIMUM DIST. FROM ϵ OF BOLT TO EDGE OF SOLE PL = $Ez = 38 \times 10 = 48$

NOTES:
 SHEET 33 F1 VOIDS ORIGINAL SHEET 33 .
 THIS FIELD CHANGE SHEET DENOTES SHIM PLATE REMOVAL



TYPICAL SLOTTED HOLE DETAIL MASONRY PLATE AND SHIM PLATE
 NOT TO SCALE



SECTION A-A
 NOT TO SCALE

- NOTES:
1. INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 4 mm. THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
 2. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
 3. ALL STEEL EXCEPT INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A588M, F = 345 MPa, UNLESS OTHERWISE NOTED.
 4. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
 5. ANCHOR BOLTS, WASHERS, WASHER PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEIR COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2033M.

		EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE																														
LOCATION	ITEM NO.	QUANTITY REQUIRED	MAX		TOTAL DESIGN REACTION (kN)	SHAPE FACTOR	ELASTOMER LAYERS			h _r (mm)	COMP. AREA (sq. mm)	SHEAR AREA (sq. mm)	MASONRY PLATE				ANCHOR BOLTS		WELD SIZE	NUMBER OF CAP SCREWS	WASHER PL		SOLE PLATE		BRG. H							
			DL+SDL (kN)	LL W/O IMP. (kN)			THK/LAYER	N LAYERS	L				W	D	Tm	Wm	Lm	E+			Ei	Am	Bm	φ		BOLTS/BRG.	Awp	Bwp	Ws	Ls	T1	T2
W. ABUT	565.2033 M	5	314.6	251.6	566.12	10.06	7	4	214	412	N/A	28	84448	88168	31	690	264	72	107	78	48	38	2	8	4	104	74	438	240	42	38	108

T2 IS UPSTATION OF T1.

D259317

SEE SHEET NUMBER 25F1 FOR APPROVAL

D259317

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

EXPANSION BEARING DETAILS

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAWING NO.
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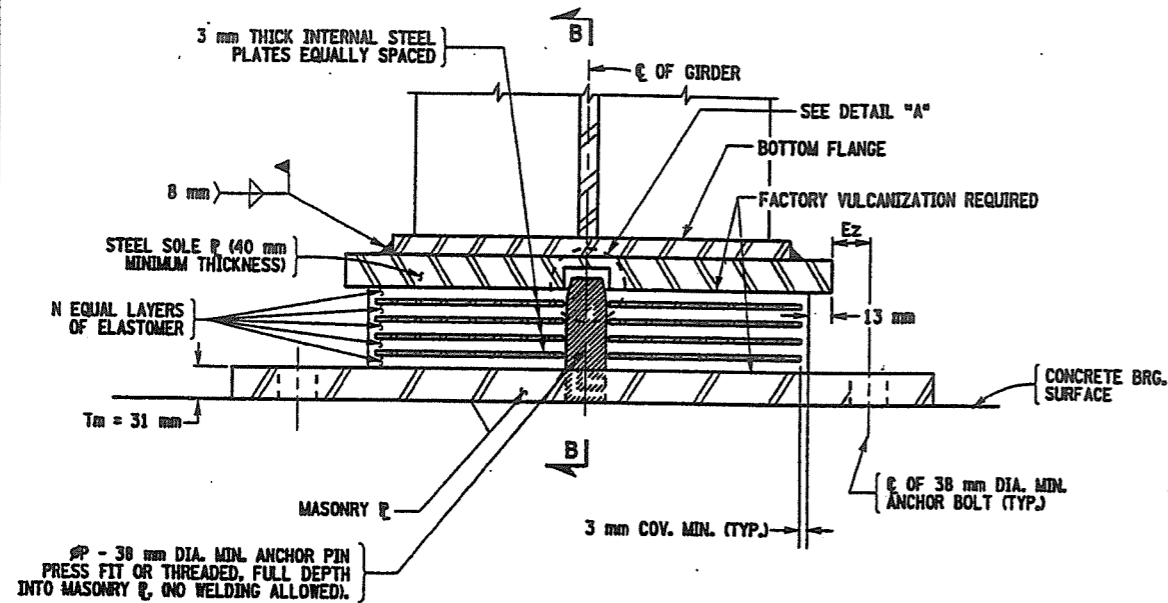
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FIELD CHANGE SHEET

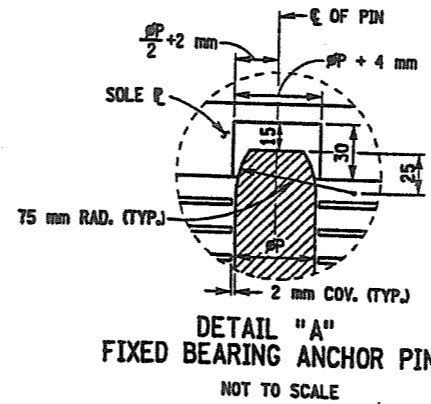
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	34F1	61
SH 5243, SANITARIA SPRINGS-HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 980434			B.I.N. 1003760	

NOTES:
SHEET 34 F1 VOIDS ORIGINAL SHEET 34
THIS FIELD CHANGE SHEET DENOTES SHIM PLATE REMOVAL

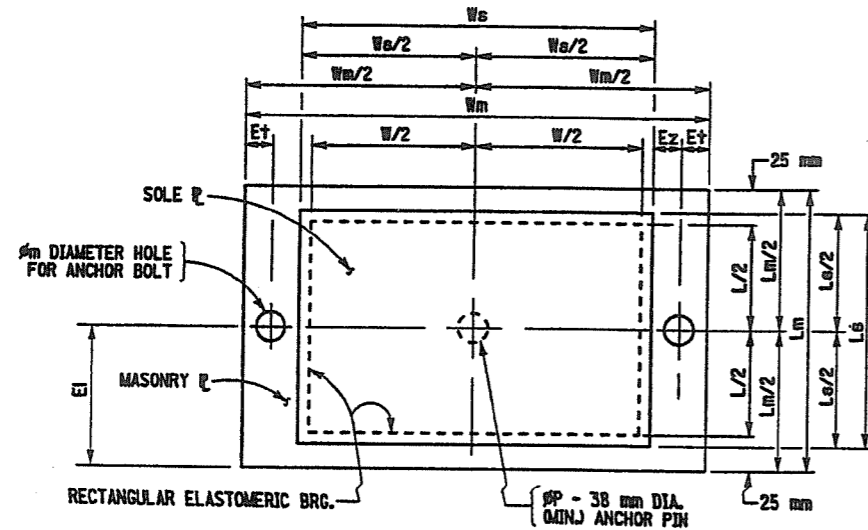
- NOTES:
1. INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 4 mm. THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
 2. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
 3. ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A588M, F = 345 MPa, UNLESS OTHERWISE NOTED.
 4. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
 5. ANCHOR BOLTS, WASHERS, WASHER PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEIR COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2023.



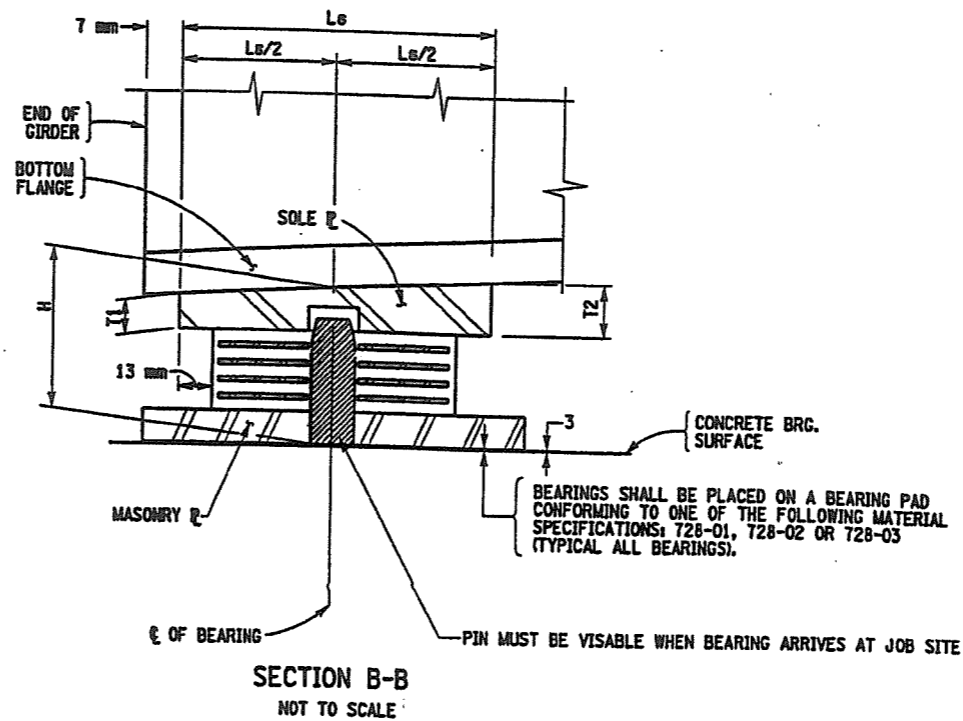
TYPICAL ELEVATION FIXED BEARING
NOT TO SCALE



DETAIL "A"
FIXED BEARING ANCHOR PIN
NOT TO SCALE



TYPICAL RECTANGULAR FIXED BEARING
PLAN
NOT TO SCALE



SECTION B-B
NOT TO SCALE

MINIMUM DIST. FROM E OF BOLT TO EDGE OF SOLE PLATE = $Ez = 38 + 10 \text{ mm} = 48$

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

		MAX		MAX		FIXED ELASTOMERIC BEARING (TYPE E.B.) TABLE																									
LOCATION	ITEM NO.	QUANTITY REQUIRED	DL+SDL (kN)	LL W/O IMP. (kN)	TOTAL DESIGN REACTION (kN)	SHAPE FACTOR	ELASTOMER LAYERS				h ₁ (mm)	COMP. AREA (sq. mm)	SHEAR AREA (sq. mm)	MASONRY				ANCHOR BOLTS		WELD SIZE	NUMBER OF CAP SCREWS	SOLE PLATE		BRG. H	ØP (PIN DIA.)						
							THK/LAYER	N LAYERS	L	W	D				T _m	W _m	L _m	E _t	E _i	Ø _m	Ø	BOLTS/BRG.		W _s	L _s	T ₁	T ₂				
E. ABUT.	565.2023	M	5	314.6	251.6	566.12	10.06	7	4	214	412	N/A	28	83314	87034	31	690	264	72	107	48	38	2	8	4	438	240	42	38	108	38

T2 IS DOWNSTATION OF T1.

D259317

SEE SHEET NUMBER 25F1 FOR APPROVAL

D259317

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/NELDEN BROOK

FIXED BEARING DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAWING NO.
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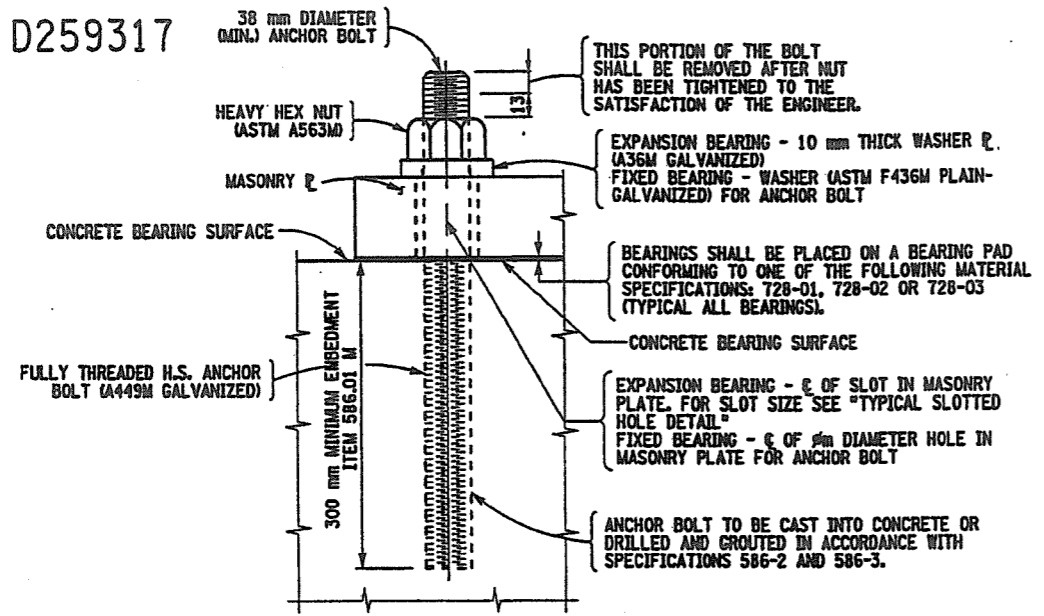
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 JOB MANAGER _____
 DESIGN SUPERVISOR _____

D259317

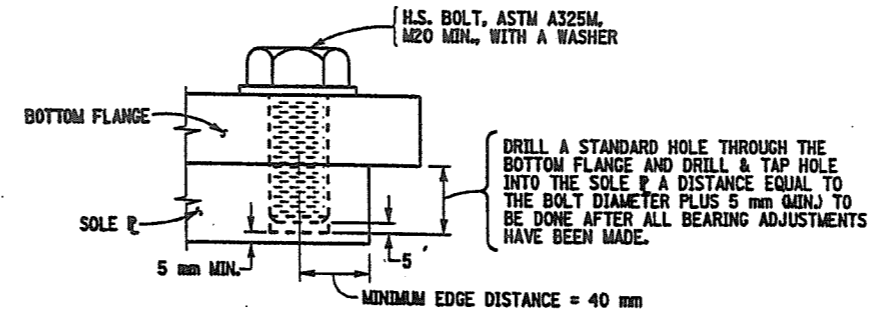
FIELD CHANGE SHEET

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	35F1	61
SH 5243, SANITARIA SPRINGS-HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.L.N. 980434		B.I.N. 1003760		

NOTES:
 SHEET 35 F1 VOIDS ORIGINAL SHEET 35
 THIS FIELD CHANGE SHEET DENOTES ANCHOR BOLT ASSY.

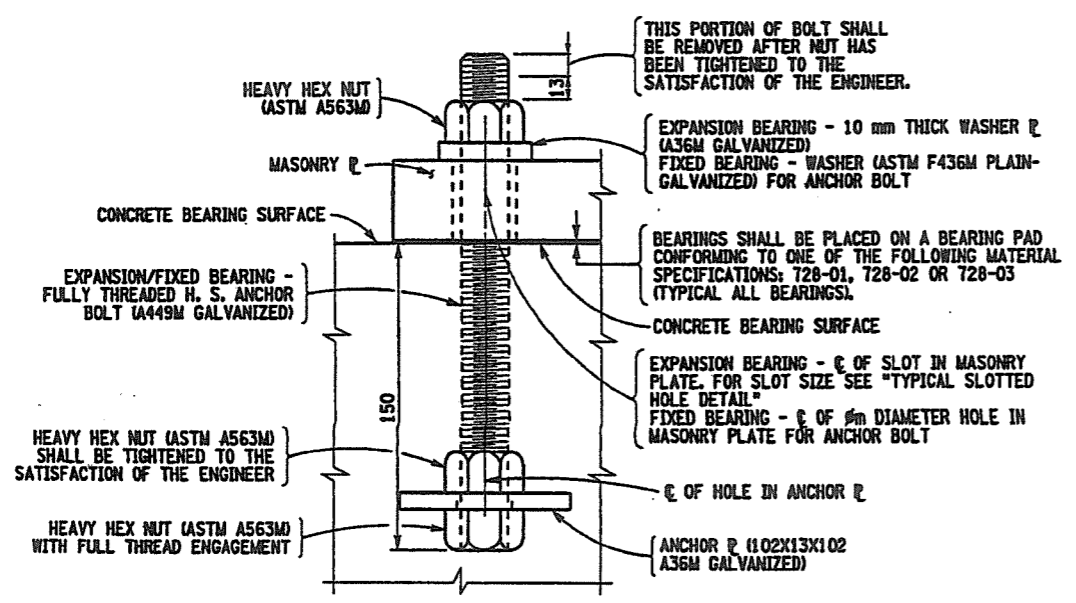


ANCHOR BOLT DETAIL ON PEDESTALS
 NOT TO SCALE

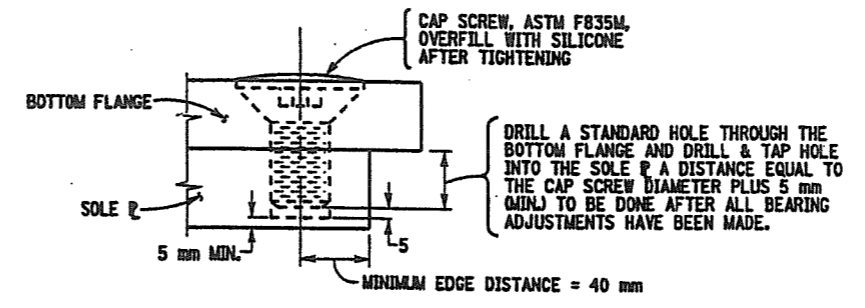


BOLT DETAIL (OPTIONAL)
 NOT TO SCALE

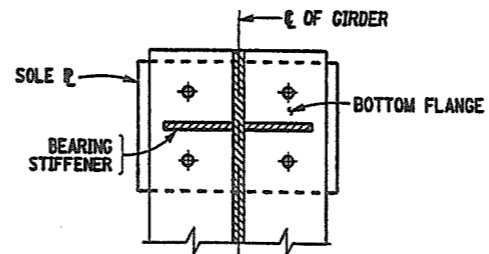
NOTES:
 1. ANCHOR BOLTS, WASHERS, WASHER PLATES, ANCHOR PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01. "GALVANIZED COATINGS AND REPAIR METHODS." THEIR COST (INCLUDING GALVANIZING) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEMS.
 2. RECORD PLANS INDICATE 250 mm EMBEDMENT FOR EXISTING ANCHOR BOLTS. THE EXISTING ANCHOR BOLTS SHALL BE REMOVED BY CORE DRILL SO THAT NEW ANCHOR BOLTS MAY BE INSTALLED AT THE LOCATIONS INDICATED ON THE CONTRACT PLANS, SEE DWG. NO. ST1-7.



OPTIONAL ANCHOR BOLT DETAIL WITH ANCHOR PLATE ON NEW PEDESTALS
 NOT TO SCALE



CAP SCREW (OPTIONAL)
 NOT TO SCALE



PLAN VIEW
 NOT TO SCALE

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

MISCELLANEOUS DETAILS

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAWING NO.
980434AB.MOA	9	8/03	ST1-14

D259317

SEE SHEET NUMBER 25F1 FOR APPROVAL

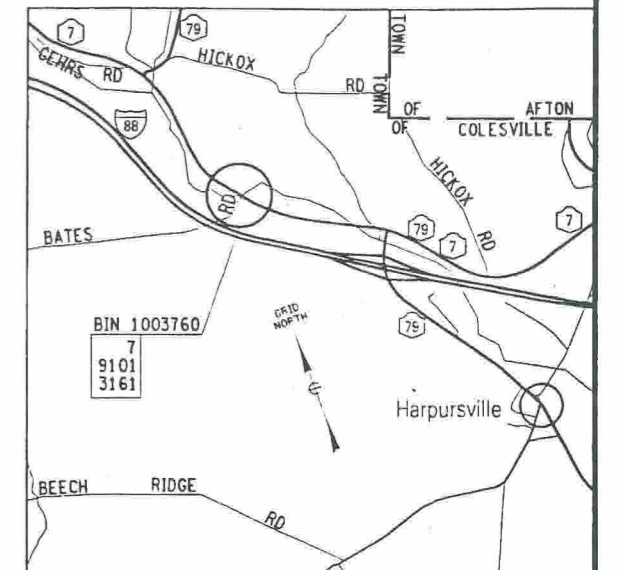
D259317

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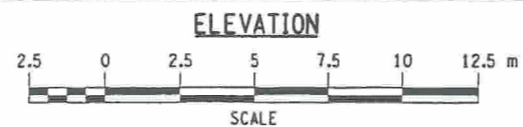
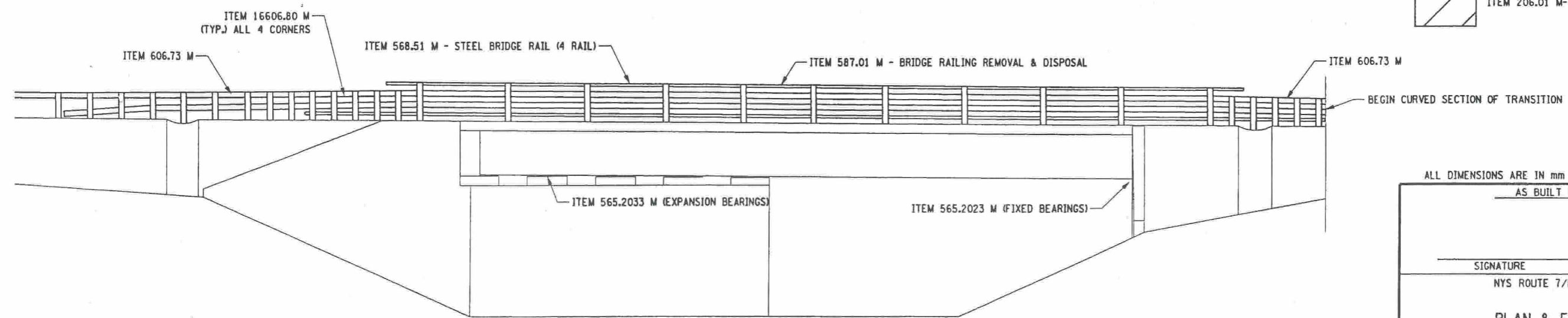
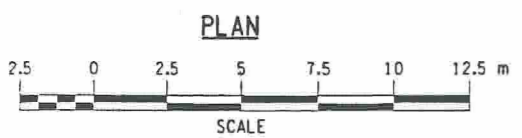
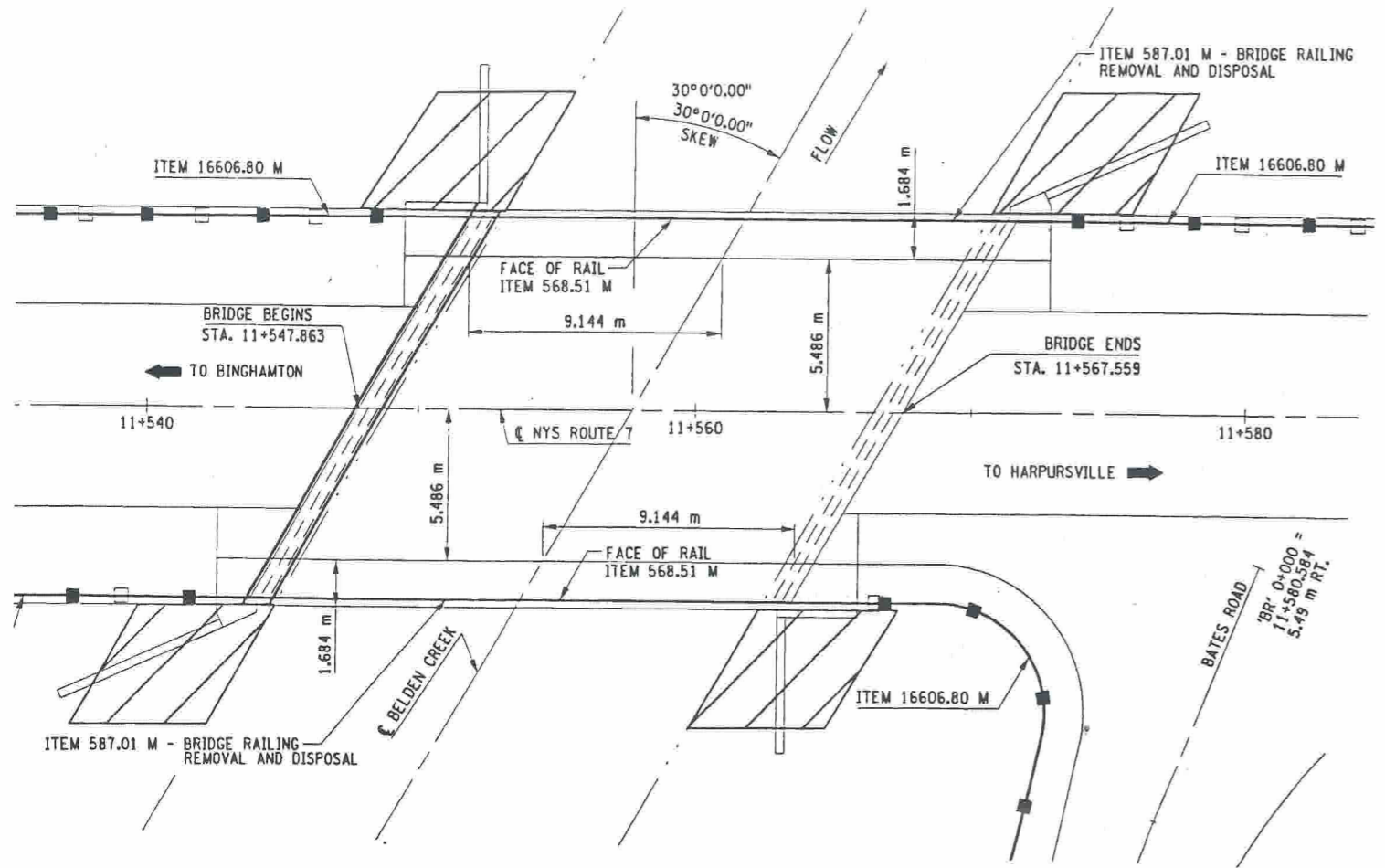
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 JOB MANAGER _____
 DESIGN SUPERVISOR _____

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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	22	61
SH 5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34		B.J.N. 1003760		



- SCOPE OF WORK**
1. THE WORK SHALL CONSIST OF SAW CUTTING THE EXISTING ASPHALT OVERLAYS AT THE FIXED AND EXPANSION JOINTS TO FACILITATE JACKING OPERATIONS FOR BEARING REPLACEMENT.
 2. REPLACE EXISTING STEEL BEARINGS WITH TYPE EB ELASTOMERIC BEARINGS.
 3. REMOVE EXISTING CONCRETE SIDEWALKS AND REPLACE WITH CLASS A CONCRETE, MATCHING EXISTING CROSS SLOPE.
 4. PLACE ELASTOMERIC CONCRETE JOINT SYSTEM AT EXPANSION END, SEAL SAWCUT AT FIXED END.
 5. REMOVE EXISTING BRIDGE RAIL ON STRUCTURE AND BOX BEAM GUIDE RAIL AT APPROACHES REPLACE WITH 4 RAIL STEEL BRIDGE RAIL.



NOTE: THE EXISTING ELEMENTS ARE DRAWN FROM RECORD PLANS AND FIELD MEASUREMENTS, NOT FROM SURVEY. THEREFORE, THE CONTRACTOR SHALL VERIFY, IN THE FIELD, ALL MEASUREMENTS AND RADII OF THE PROPOSED ELEMENTS.

ITEM 206.01 M- CLEARING AND GRUBBING (HIGHWAY ESTIMATE)

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE DATE

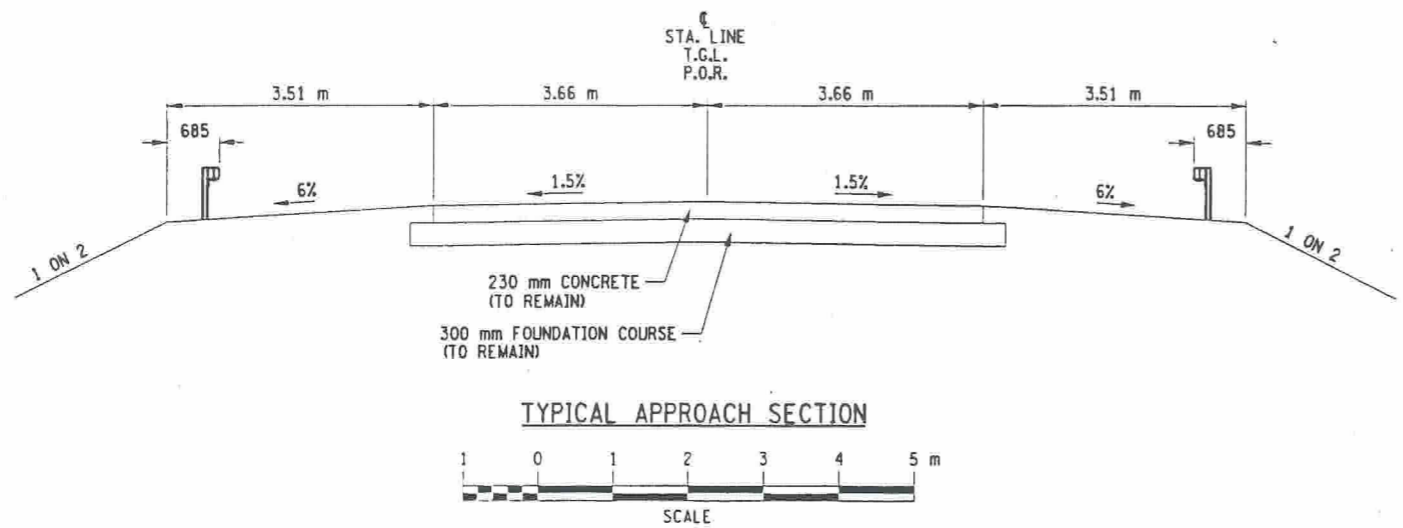
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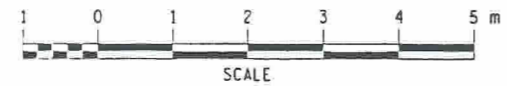
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAWING NO.
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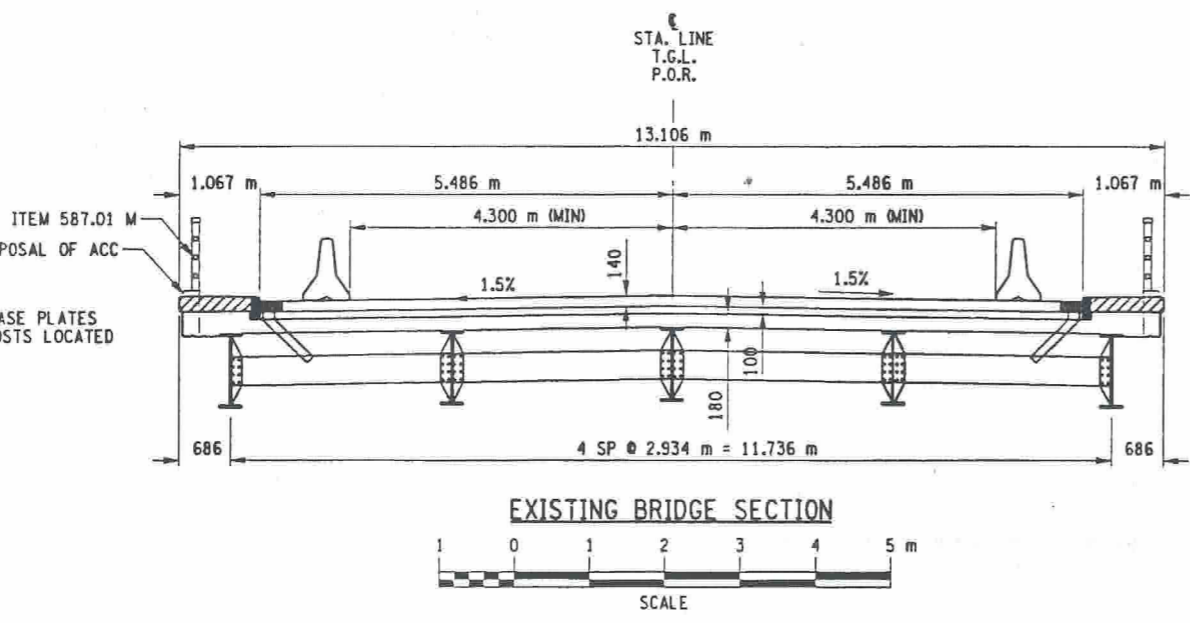
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SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34		B.J.N. 1003760		



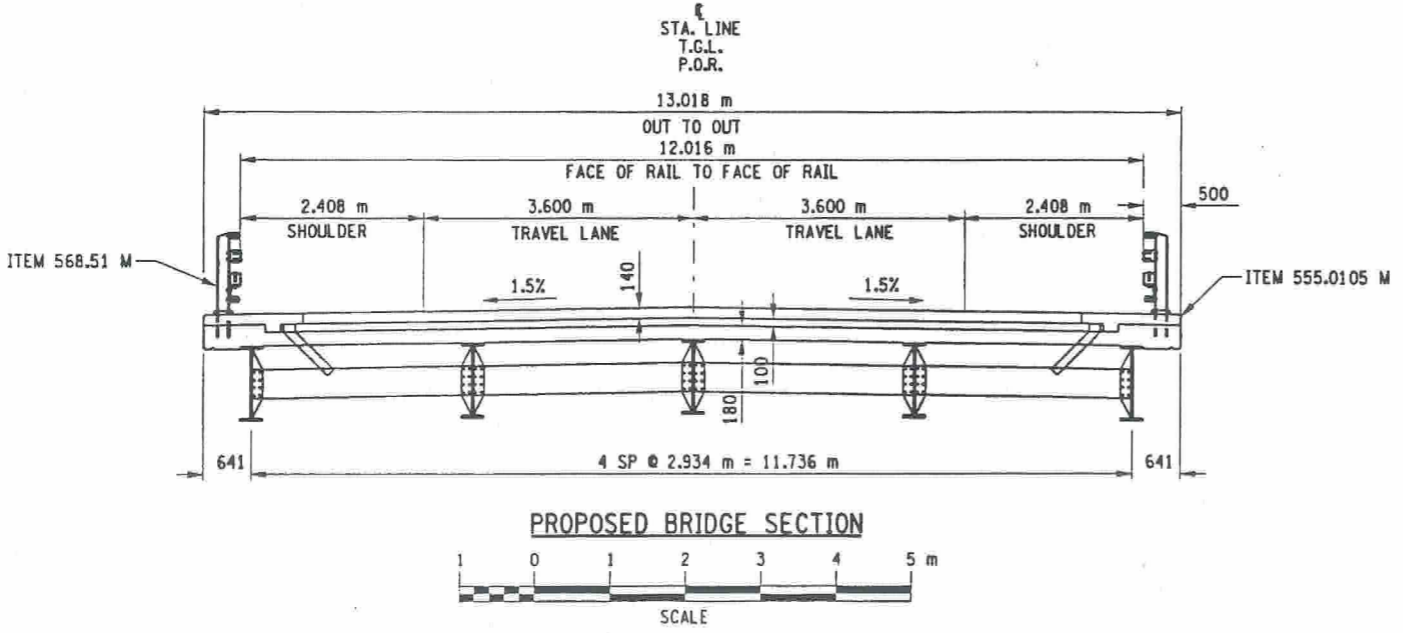
TYPICAL APPROACH SECTION



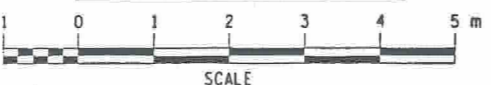
ITEM 210.5431 M - REMOVAL AND DISPOSAL OF ACC (BV 12)
 NOTE:
 ASBESTOS CAULKING FOUND AT THE BASE PLATES OF THE FOUR CORNER BRIDGE RAIL POSTS LOCATED AT THE U-WALLS.



EXISTING BRIDGE SECTION



PROPOSED BRIDGE SECTION



- 580.01 M - REMOVAL OF STRUCTURAL CONCRETE
- 581.01 M - REMOVAL OF BITUMINOUS CONCRETE OVERLAY (BRIDGE)

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

SIGNATURE		DATE	
NYS ROUTE 7 OVER BELDEN BROOK			
TYPICAL SECTIONS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.TYP	REGION 9	DATE 6/2002	DRAWING NO. ST1-2

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TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	ESTIMATE	ACTUAL
210.5431	M REMOVAL AND DISPOSAL OF ACC (BV12)	M	3.7	
18403.2502	M SAWCUTTING AND SEALING JOINTS IN BITUMINOUS CONCRETE OVERLAYS	M	16.5	
08520.5014	M SAWCUTTING ASPHALT OVERLAY ON CONCRETE PAVEMENT	M	51.3	
555.0105	M CONCRETE FOR STRUCTURES, CLASS A	CM	7.5	
556.0202	M EPOXY COATED BAR REINFORCEMENT FOR STRUCTURES	KG	400.0	
565.2023	M FIXED BEARINGS	EA	5.0	
565.2033	M EXPANSION BEARINGS	EA	5.0	
09567.46	M ELASTOMERIC CONCRETE FOR BRIDGE JOINT SYSTEMS	CM	0.3	
09567.51	M SEALING EXISTING BRIDGE JOINTS	M	16.7	
568.51	M STEEL BRIDGE RAIL - 4 RAIL	M	48.2	
18570.01	M LEAD HEALTH & SAFETY PROGRAM	LS	NEC	
18570.02	M LEAD EXPOSURE CONTROL PLAN	LS	NEC	
18570.03	M MEDICAL TESTING & EXPOSURE MONITORING SAMPLE ANALYSIS	LS	NEC	
18570.04	M DECONTAMINATION FACILITY	WK	1.0	
570.090001	M ENVIRONMENTAL GROUND PROTECTION	LS	NEC	
570.100001	M ENVIRONMENTAL WATERWAY PROTECTION	LS	NEC	
16570.32	M LOCALIZED PAINTING OF BARE STRUCTURAL STEEL	SM	11.6	
571.010001	M TREATMENT & DISPOSAL OF PAINT REMOVAL WASTE	CM	0.2	
580.01	M REMOVAL OF STRUCTURAL CONCRETE	CM	10.7	
581.01	M REMOVAL OF BITUMINOUS CONCRETE OVERLAY	SM	12.7	
582.07	M REMOVAL OF STRUCTURAL CONCRETE-REPLACE WITH OVERHEAD AND VERTICLE PATCHING MATERIAL	SM	4.4	
585.01	M STRUCTURAL LIFTING, TYPE A (ABUTMENTS)	SM	10.0	
586.01	M DRILLING AND GROUTING BOLTS,OR REINFORCING BAR	MM	66640.0	
16586.200125	M DRILLING AND GROUTING BOLTS,OR REINFORCING BAR	EA	104.0	
587.01	M BRIDGE RAILING REMOVAL & DISPOSAL	M	46.7	
589.520001	M REMOVAL OF EXISTING STEEL	EA	10.0	
16606.80	M BRIDGE RAIL TO BOX BEAM GUIDE RAIL TRANSITION	M	38.4	
619.01	M BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	LS	NEC	
619.02	M CONSTRUCTION SIGNS	LS	NEC	
619.17	M TEMPORARY CONCRETE BARRIER	M	140.3	
637.03	M CONCRETE CYLINDER CURING BOX	EA	1.0	
637.0702	M ENGINEER'S FIELD OFFICE - TYPE C	MO	1.0	
10637.2101	M PORTABLE CELLULAR DIGITAL TELEPHONE (HANDS FREE)	LS	NEC	
15637.91	M CHAMP MANAGEMENT SYSTEM	LS	NEC	
697.0201	M FIELD CHANGE ORDER(FCO)	LS	NEC	
699.040001	M MOBILIZATION	LS	NEC	

GENERAL NOTES

- CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 2002 WITH CURRENT ADDITIONS AND MODIFICATIONS.
- ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN SI UNITS. ERECTION DRAWINGS ARE TO BE PREPARED IN DUAL UNITS.
- THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- THIS BRIDGE, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MANUAL FOR BRIDGE MAINTENANCE.
- THE CONTRACTOR IS CAUTIONED THAT MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES OF THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURES AND/OR DURING FIELD INSPECTIONS.

GENERAL NOTES (CONTINUED)

- THE CONTRACTOR IS CAUTIONED THAT MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES OF THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURES AND/OR DURING FIELD INSPECTIONS.
- UNLESS OTHERWISE INDICATED ON THE PLANS, WORK TO BE PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBING, DESTRUCTION OR REMOVAL OF ANY KNOWN MATERIALS CONTAINING ASBESTOS. UNLESS OTHERWISE INDICATED ON THE PLANS, IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS NOT BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR BE FORCED TO DISTURB IN ANY WAY ANY SUCH MATERIALS, THE CONTRACTOR SHALL FIRST BE FAMILIAR WITH INDUSTRIAL CODE RULE 56 OF THE N.Y.S. DEPARTMENT OF LABOR. THE CONTRACTOR SHALL ALSO OBTAIN WRITTEN PERMISSION OF THE REGIONAL DIRECTOR OF TRANSPORTATION BEFORE PROCEEDING.

REMOVAL NOTES

- RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE AT THE REGIONAL OFFICE OF THE DEPARTMENT OF TRANSPORTATION.
- THE FOLLOWING ITEMS SHALL BE USED TO IMPLEMENT AND MAINTAIN EFFECTIVE HEALTH AND SAFETY CONTROLS: LEAD HEALTH AND SAFETY PROGRAM LEAD EXPOSURE CONTROL PLAN MEDICAL TESTING AND EXPOSURE MONITOR SAMPLE ANALYSIS DECONTAMINATION FACILITIES

INDEX

SHEET NO.	DESCRIPTION	DRAWING NO.
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23	TYPICAL SECTIONS	ST1-2
24	ESTIMATE OF QUANTITIES, INDEX AND NOTES	ST1-3
25	REMOVAL AND EXCAVATION DETAILS	ST1-4
26	CONCRETE REMOVAL DETAILS	ST1-5
27	CONCRETE REMOVAL DETAILS/VERTICAL AND OVERHEAD PATCHING	ST1-6
28	FASCIA AND JOINT CONCRETE DETAILS	ST1-7
29	JOINT RECONSTRUCTION DETAILS	ST1-8
30	FASCIA REINFORCEMENT DETAILS	ST1-9
31	TRANSVERSE SECTION	ST1-10
32	FRAMING PLAN AND JACKING LOADS	ST1-11
33	EXPANSION BEARING DETAILS	ST1-12
34	FIXED BEARING DETAILS	ST1-13
35	MISCELLANEOUS DETAILS	ST1-14
36	BRIDGE RAIL LAYOUT	ST1-15
37 & 38	BRIDGE RAIL DETAILS	ST1-16 & ST1-17
39 & 40	BRIDGE RAIL TO BOX BEAM GUIDE RAIL TRANSITION DETAILS	ST1-18 & ST1-19
41	BRIDGE RAIL SPLICE ASSEMBLY DETAILS	ST1-20
42	BARLIST	ST1-21

RECONSTRUCTION NOTES

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSAL OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
- THE DETAILS ON DRAWING NO. ST1-6 INDICATE THE SPALLS, SCALES AND CRACKS NOTED ON A FIELD INSPECTION BY THE DESIGNER. ALL OF THE MAJOR AREAS OF SPALLING, SCALING AND CRACKING KNOWN TO EXIST AT THE TIME OF CONTRACT PREPARATION HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE REPAIRED BY THE CONTRACTOR.

RECONSTRUCTION NOTES (CONTINUED)

- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. JUST PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED, WET DOWN AND COATED WITH A THIN COATING OF 1:1 MORTAR OR NEAT CEMENT PASTE THOROUGHLY BRUSHED INTO THE SURFACE. IT WILL NOT BE NECESSARY TO BRUSH THE MORTAR INTO SURFACES MADE INACCESSIBLE BY MESH OR CLOSELY SPACED REINFORCEMENT WHEN SO DETERMINED BY THE ENGINEER. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE ACTUAL HEIGHT OF EACH EXISTING BEARING TO BE REPLACED PRIOR TO THE FABRICATION OF THE REPLACEMENT BEARINGS.
- VEHICULAR TRAFFIC OR CONSTRUCTION EQUIPMENT SHALL NOT BE PERMITTED ON THE LIFTED SPAN UNTIL SHIMS, CRIBBING, BOLSTERS OR OTHER SUITABLE SUPPORTS ARE IN THEIR REQUIRED POSITION.

STREAM PROTECTION NOTES

- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.
- ANY ACTIVITIES PROPOSED WHICH HAVE THE POTENTIAL TO DISTURB THE BED OR BANKS OF ANY WATERWAY MUST BE COORDINATED WITH THE REGIONAL LANDSCAPE ARCHITECTURE/ENVIRONMENTAL SERVICE UNIT (607-721-8164), TO DETERMINE COMPLIANCE WITH ENVIRONMENTAL REGULATIONS AND/OR THE NEED FOR COORDINATION WITH REGULATORY AGENCIES.
- WORK MUST BE PERFORMED IN A MANNER WHICH PREVENTS TURBIDITY FROM BEING GENERATED AND ENTERING THE WATERWAY.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	24	61
SH 5243, SCHENEVUS - SCHOHARIE COUNTY LINE				
NYS ROUTE 7				
TOWN OF MARYLAND				
OTSEGO COUNTY				
P.I.N. 9804.34		B.I.N. 1003760		

BAR SIZES - INCH POUND AND SOFT METRIC*

BAR DESIGNATION NO.	NOMINAL DIAMETER, IN. (mm)	NOMINAL AREA, IN. ² (mm ²)
3(10)	0.375(9.5)	0.11(7.1)
4(13)	0.500(12.7)	0.20(12.9)
5(16)	0.625(15.9)	0.31(19.9)
6(19)	0.750(19.1)	0.44(28.4)
7(22)	0.875(22.2)	0.60(38.7)
8(25)	1.000(25.4)	0.79(51.0)
9(29)	1.128(28.7)	1.00(64.5)
10(32)	1.270(32.3)	1.27(81.9)
11(36)	1.410(35.8)	1.56(100.6)
14(43)	1.693(43.0)	2.25(145.2)
18(57)	2.257(57.3)	4.00(258.1)

* SOFT METRIC BAR DESIGNATION NUMBERS, NOMINAL DIAMETERS AND AREAS ARE THE VALUES ENCLOSED WITHIN THE BRACKETS. BAR DESIGNATION NUMBERS APPROXIMATE THE NUMBER OF MILLIMETERS OF THE NOMINAL DIAMETER OF THE BAR.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

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NYS ROUTE 7/BELDEN BROOK

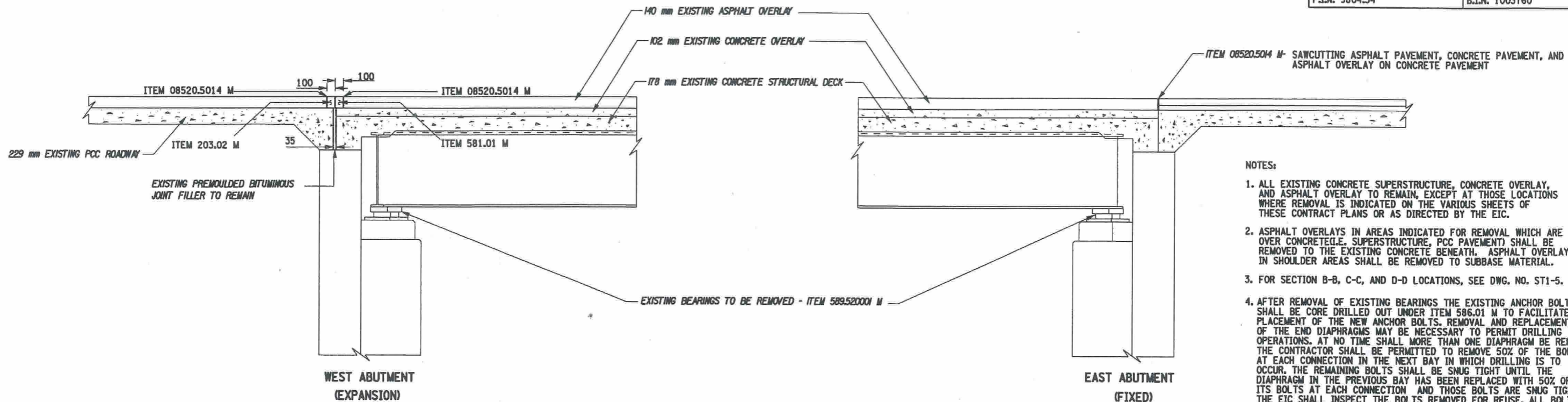
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STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

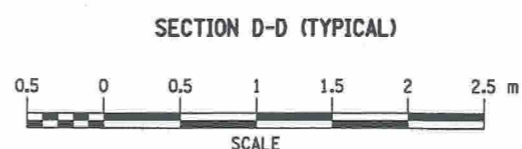
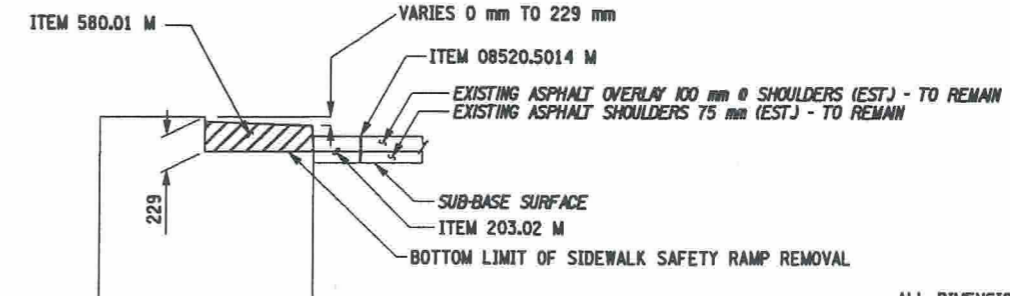
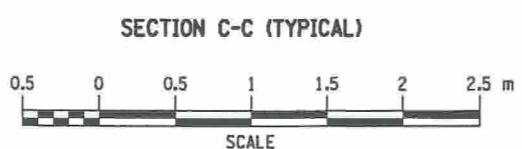
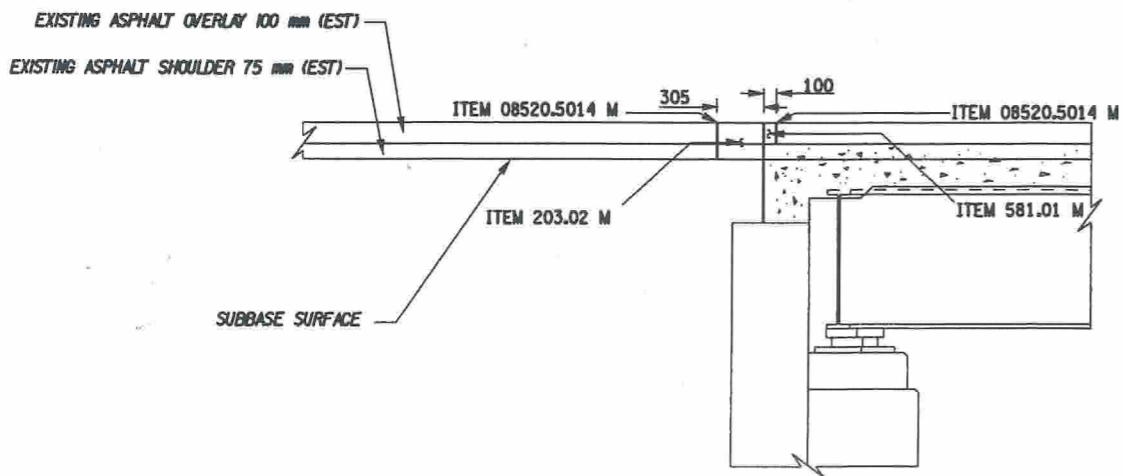
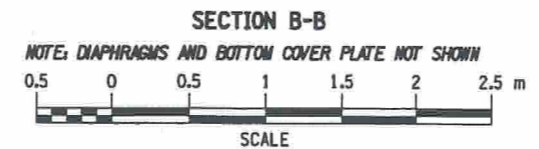


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980434AB.Q0A	9	8/2002	ST1-3

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SH 5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34		B.I.N. 1003760		



- NOTES:
1. ALL EXISTING CONCRETE SUPERSTRUCTURE, CONCRETE OVERLAY, AND ASPHALT OVERLAY TO REMAIN, EXCEPT AT THOSE LOCATIONS WHERE REMOVAL IS INDICATED ON THE VARIOUS SHEETS OF THESE CONTRACT PLANS OR AS DIRECTED BY THE EIC.
 2. ASPHALT OVERLAYS IN AREAS INDICATED FOR REMOVAL WHICH ARE OVER CONCRETE (I.E. SUPERSTRUCTURE, PCC PAVEMENT) SHALL BE REMOVED TO THE EXISTING CONCRETE BENEATH. ASPHALT OVERLAYS IN SHOULDER AREAS SHALL BE REMOVED TO SUBBASE MATERIAL.
 3. FOR SECTION B-B, C-C, AND D-D LOCATIONS, SEE DWG. NO. ST1-5.
 4. AFTER REMOVAL OF EXISTING BEARINGS THE EXISTING ANCHOR BOLTS SHALL BE CORE DRILLED OUT UNDER ITEM 586.01 M TO FACILITATE PLACEMENT OF THE NEW ANCHOR BOLTS. REMOVAL AND REPLACEMENT OF THE END DIAPHRAGMS MAY BE NECESSARY TO PERMIT DRILLING OPERATIONS. AT NO TIME SHALL MORE THAN ONE DIAPHRAGM BE REMOVED. THE CONTRACTOR SHALL BE PERMITTED TO REMOVE 50% OF THE BOLTS AT EACH CONNECTION IN THE NEXT BAY IN WHICH DRILLING IS TO OCCUR. THE REMAINING BOLTS SHALL BE SNUG TIGHT UNTIL THE DIAPHRAGM IN THE PREVIOUS BAY HAS BEEN REPLACED WITH 50% OF ITS BOLTS AT EACH CONNECTION AND THOSE BOLTS ARE SNUG TIGHT. THE EIC SHALL INSPECT THE BOLTS REMOVED FOR REUSE. ALL BOLTS WHICH ARE DETERMINED TO BE UNSUITABLE SHALL BE REPLACED WITH BOLTS, NUTS, AND WASHERS MEETING THE REQUIREMENTS IN SECTION 715-14 OF THE NYS STANDARD SPECIFICATIONS (01/02/02). THE COST FOR THE REMOVAL AND REPLACEMENT OF DIAPHRAGMS AND BOLTS IS TO BE INCLUDED IN THE PRICE BID FOR ITEMS 565.2023 M AND 565.2033 M. FINAL RECONNECTION OF STRUCTURAL STEEL MEMBERS SHALL BE IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL.
 5. AT NO TIME SHALL VEHICLE TRAFFIC LOADS BE PERMITTED OVER BAY IN WHICH THE END DIAPHRAGM IS REMOVED.
 6. REMOVAL AND DISPOSAL OF PAINT WASTE AND REPAINTING OF BARE STRUCTURAL STEEL SHALL BE PAID UNDER THE APPROPRIATE PAY ITEMS.



ITEM 580.01 M - STRUCTURAL CONCRETE REMOVAL

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE _____ DATE _____
NYS ROUTE 7/BELDEN BROOK

REMOVAL AND EXCAVATION DETAILS

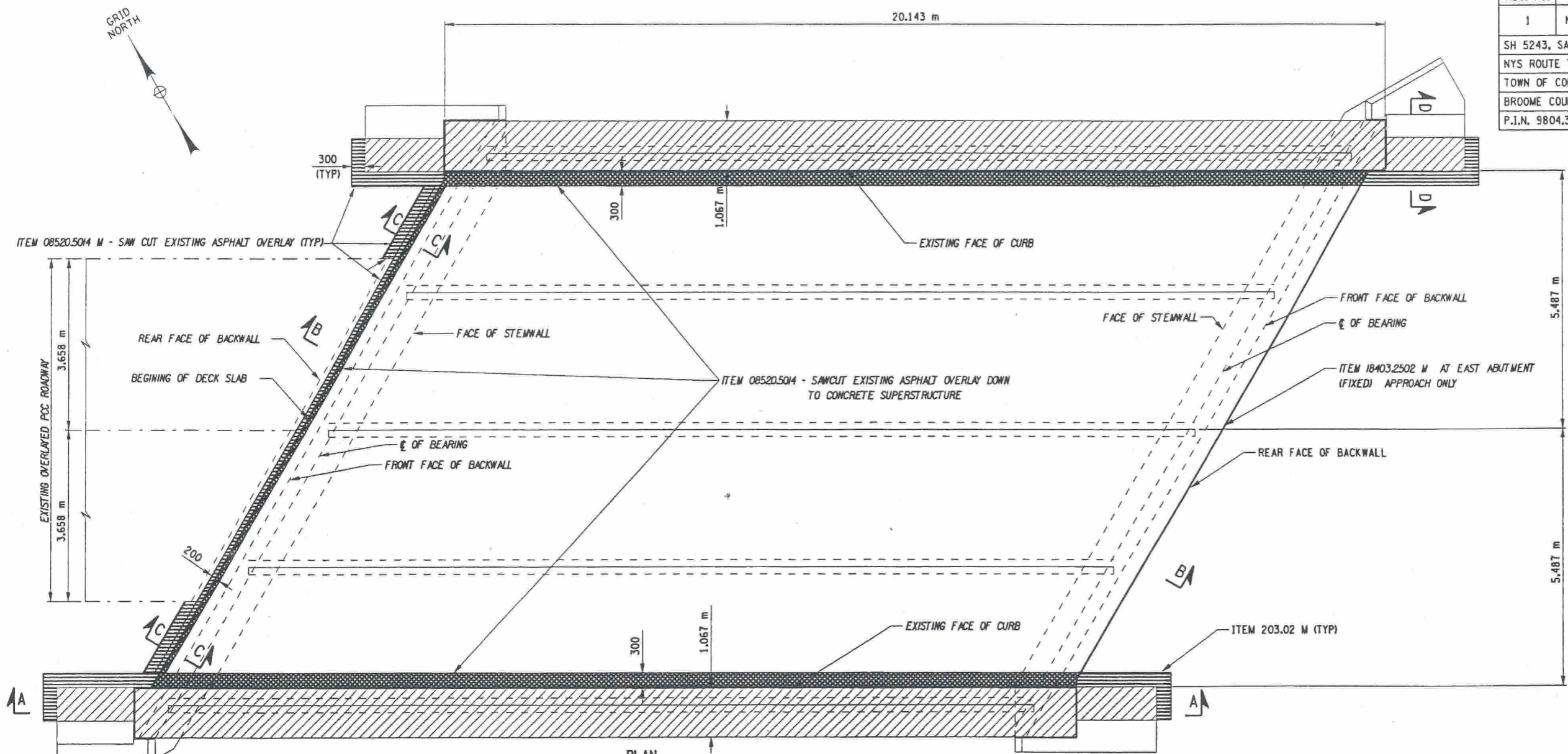
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DEPARTMENT OF TRANSPORTATION

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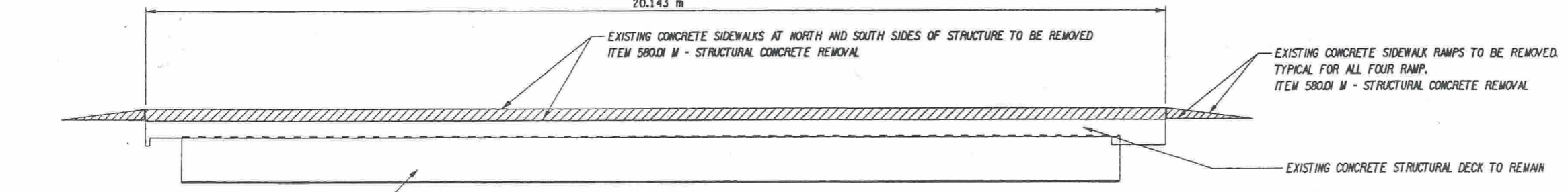
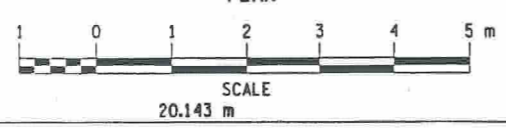
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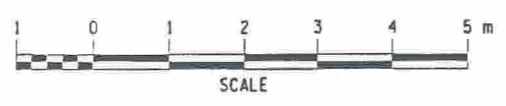
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1	N.Y.	D259317	26	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



NOTE:
FOR SECTION B-B, C-C, AND D-D SEE
DWG NO. ST1-4



SECTION A-A
SUBSTRUCTURE NOT SHOWN



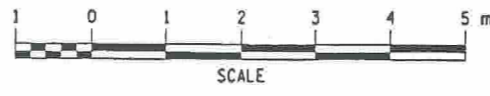
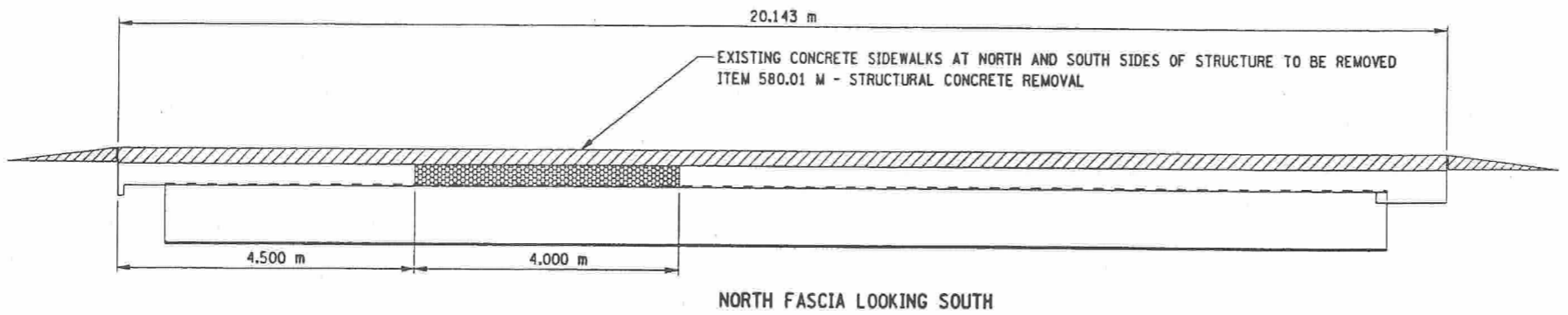
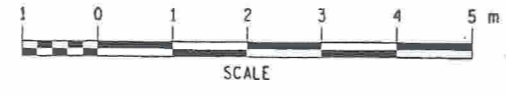
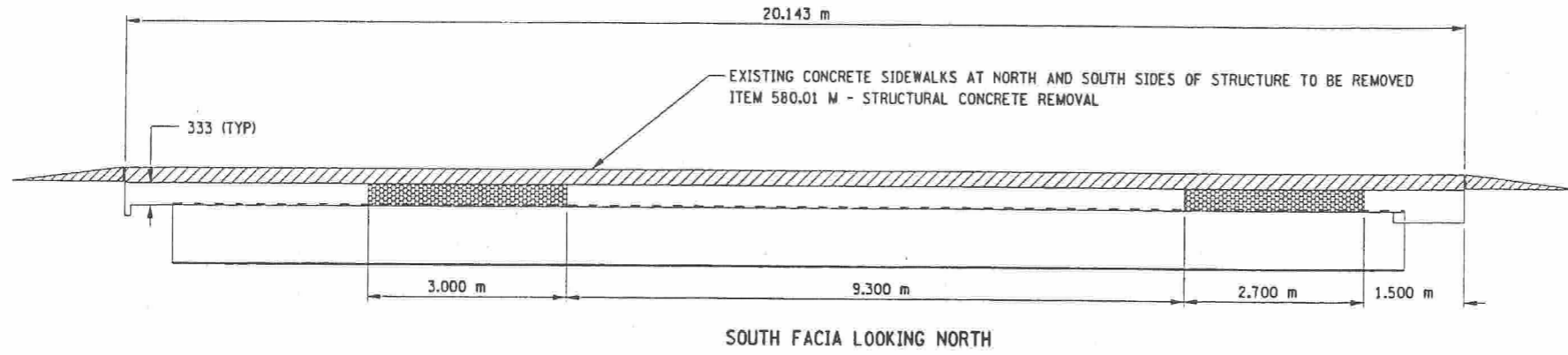
- ITEM 580.01 M - REMOVAL OF STRUCTURAL CONCRETE
- ITEM 581.01 M - REMOVAL OF BITUMINOUS CONCRETE OVERLAY (BRIDGE)
- ITEM 203.02 M - UNCLASSIFIED EXCAVATION AND DISPOSAL



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE		DATE	
NYS ROUTE 7/BELDEN BROOK			
CONCRETE REMOVAL DETAILS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.EBA	REGION 9	DATE 9/02	DRAWING NO. ST1-5

CHECKED BY
 DRAFTED BY
 ESTIMATED BY
 CHECKED BY
 DESIGNED BY
 JOB MANAGER
 DESIGN SUPERVISOR
 USER = pgendran

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	27	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34		B.I.N. 1003760		



-  ITEM 580.01 M - REMOVAL OF STRUCTURAL CONCRETE.
-  ITEM 582.07 M - REMOVAL OF STRUCTURAL CONCRETE- REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL

NOTE:
THE ITEM 582.07 M AREAS INDICATED ON THESE PLANS WERE AREAS REQUIRING REPAIR WORK AT THE TIME OF INSPECTION FOR THE DEVELOPMENT OF THESE PLANS. THESE AREAS MAY INCREASE AND OTHER AREAS MAY DEVELOP BY THE TIME OF CONSTRUCTION. THE EIC SHALL DETERMINE IF ANY ADDITIONAL WORK UNDER THIS ITEM WILL BE REQUIRED. PAYMENT FOR ANY ADDITIONAL WORK DEEMED NECESSARY BY THE EIC SHALL BE IN ACCORDANCE WITH SECTION 109 OF THE NYS STANDARD SPECIFICATIONS ALONG WITH ANY AND ALL ADDENDUMS WHICH MAY BE IN EFFECT AT THE TIME OF CONSTRUCTION.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS			
SIGNATURE		DATE	
NYS ROUTE 7/BELDEN BROOK			
CONCRETE REMOVAL DETAILS VERTICAL AND OVERHEAD PATCHING			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.EBA	REGION 9	DATE 11/02	DRAWING NO. ST1-6

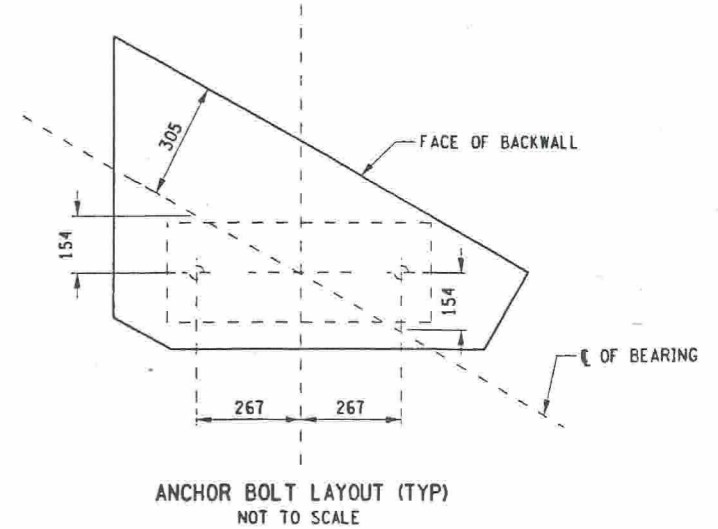
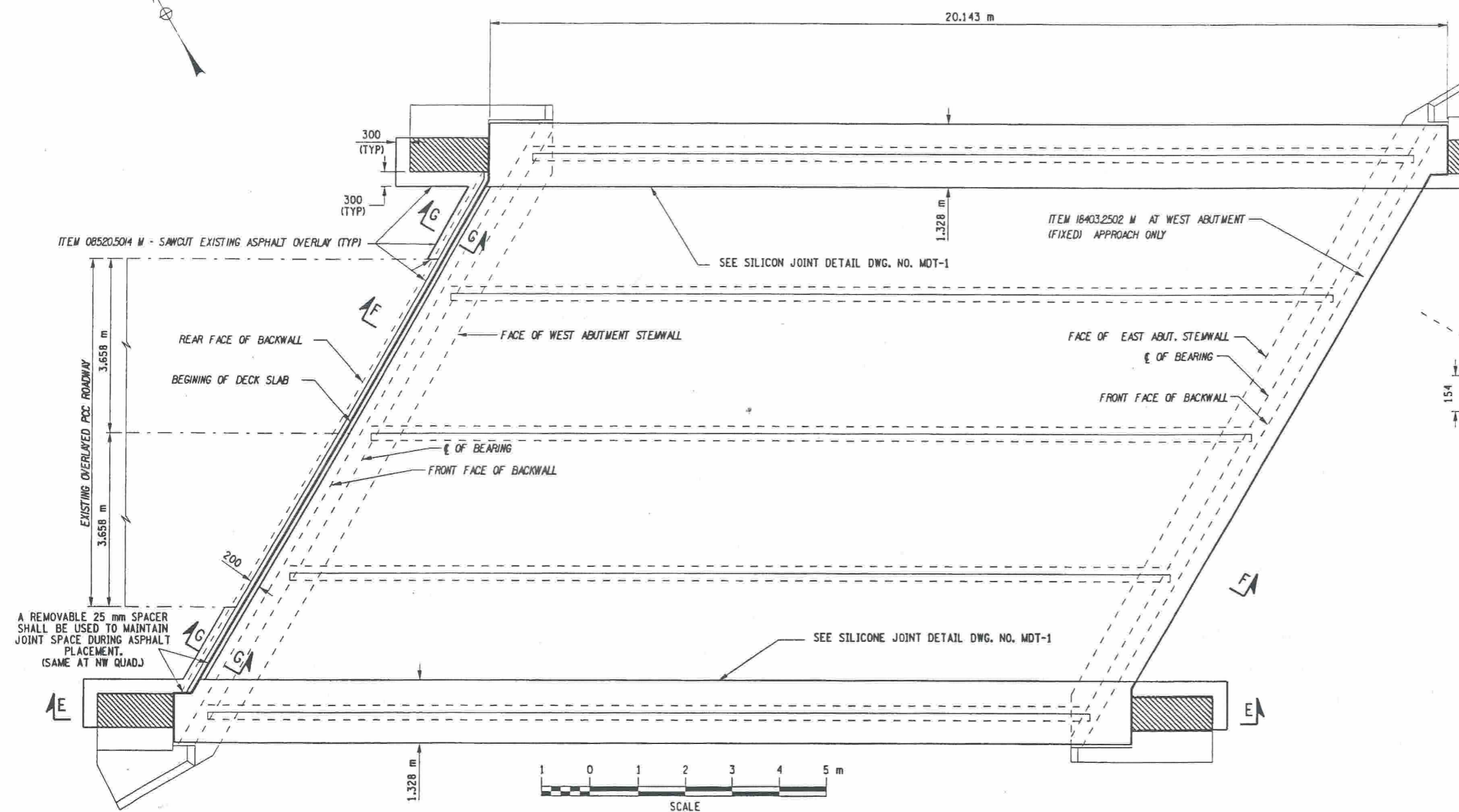
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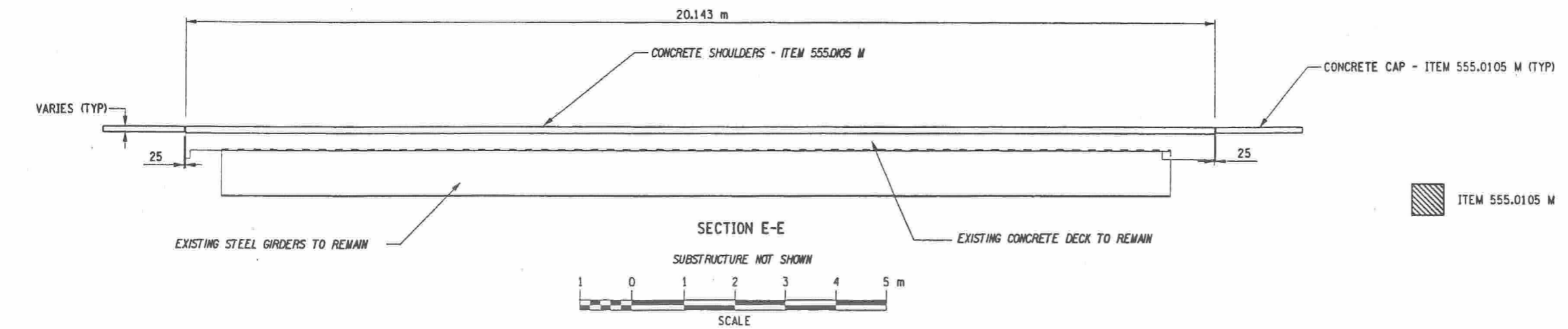
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SH 5243, SANITARIA SPRINGS - HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34			B.I.N. 1003760	



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 ESTIMATED BY _____
 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____



- NOTES:
- FOR SECTIONS F-F, G-G, AND H-H, SEE DWG. NO. ST1-8.
 - THE COST OF INSTALLING THE SELF LEVELING (SL) SILICONE AT THE LONGITUDINAL JOINTS BETWEEN THE EXISTING ASPHALT OVERLAY AND THE CONCRETE SIDEWALK/SHOULDER REPLACEMENT AREA SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 555.0105 M.



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

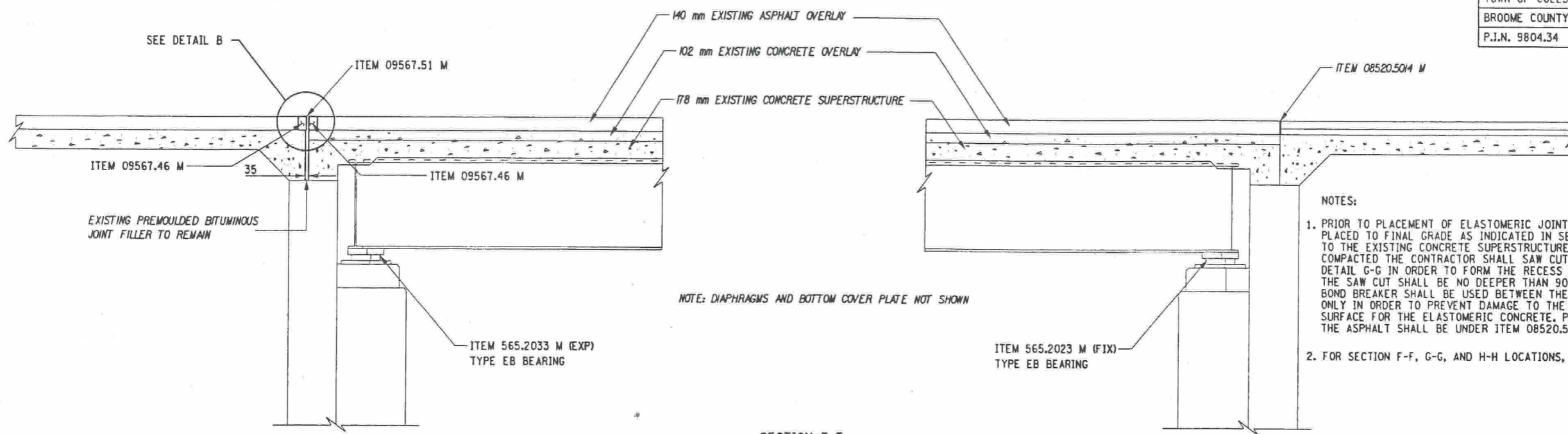
FASCIA AND JOINT CONCRETE DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

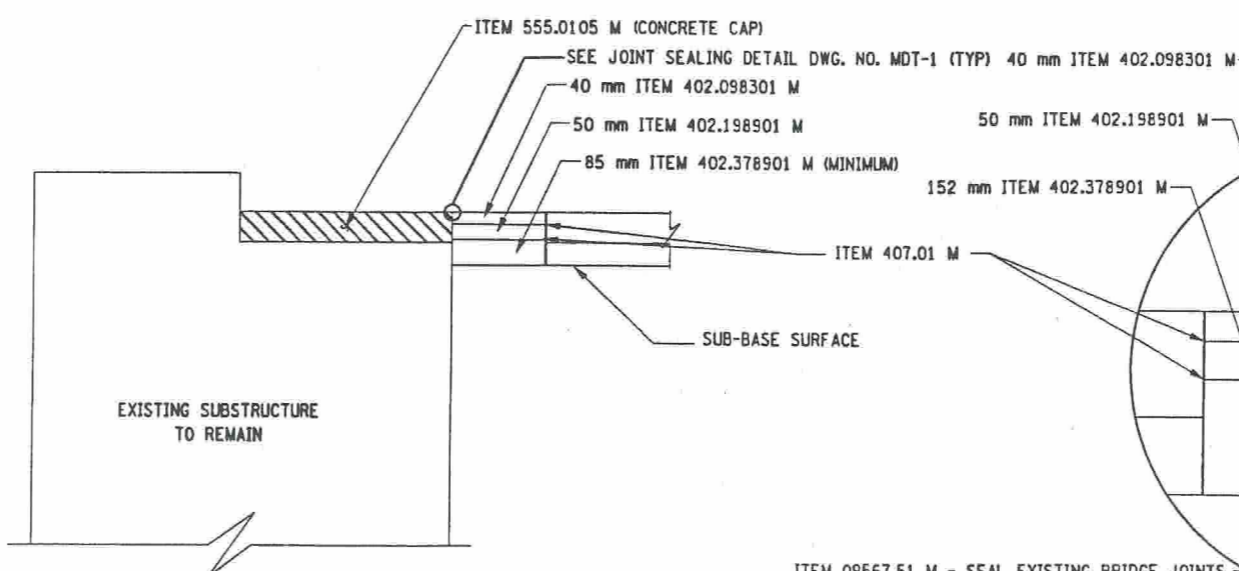
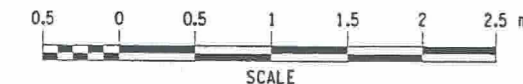
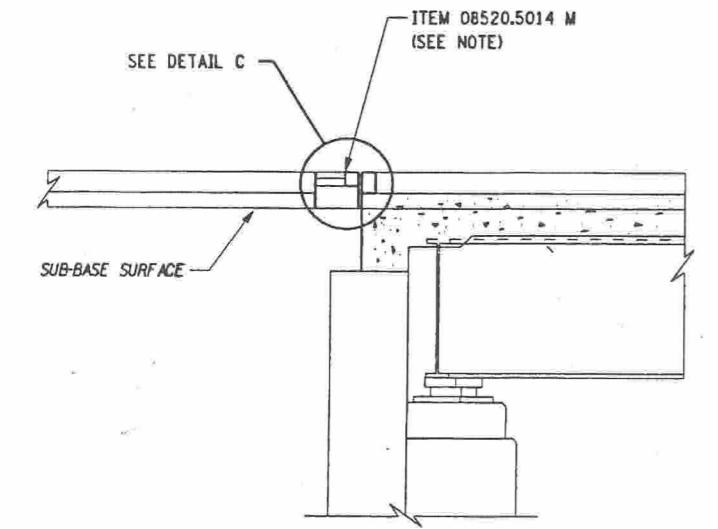
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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	29	61
5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34		B.J.N. 1003760		



- NOTES:
- PRIOR TO PLACEMENT OF ELASTOMERIC JOINT SYSTEM THE ASPHALT ITEMS SHALL BE PLACED TO FINAL GRADE AS INDICATED IN SECTION H-H. THE ASPHALT SHALL BE PLACED TO THE EXISTING CONCRETE SUPERSTRUCTURE. AFTER ASPHALT HAS BEEN PLACED AND COMPACTED THE CONTRACTOR SHALL SAW CUT THE ASPHALT AT THE LOCATION SHOWN IN DETAIL G-G IN ORDER TO FORM THE RECESS FOR ELASTOMERIC CONCRETE JOINT SYSTEM. THE SAW CUT SHALL BE NO DEEPER THAN 90 mm TO BOTTOM OF THE BINDER COURSE. A BOND BREAKER SHALL BE USED BETWEEN THE BINDER AND BASE COURSE IN THE JOINT AREA ONLY IN ORDER TO PREVENT DAMAGE TO THE BASE COURSE AND MAINTAIN A STABLE SURFACE FOR THE ELASTOMERIC CONCRETE. PAYMENT FOR SAW CUTTING AND REMOVAL OF THE ASPHALT SHALL BE UNDER ITEM 08520.5014 M.
 - FOR SECTION F-F, G-G, AND H-H LOCATIONS, SEE DWG. NO. ST1-7.

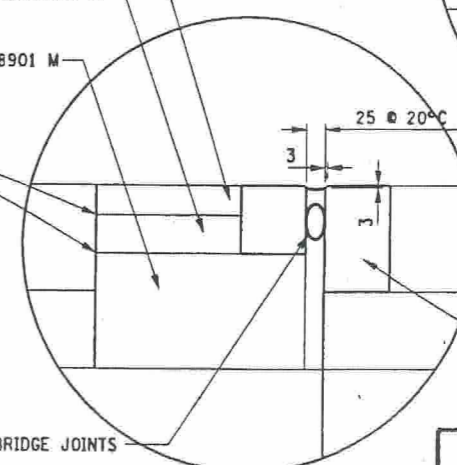
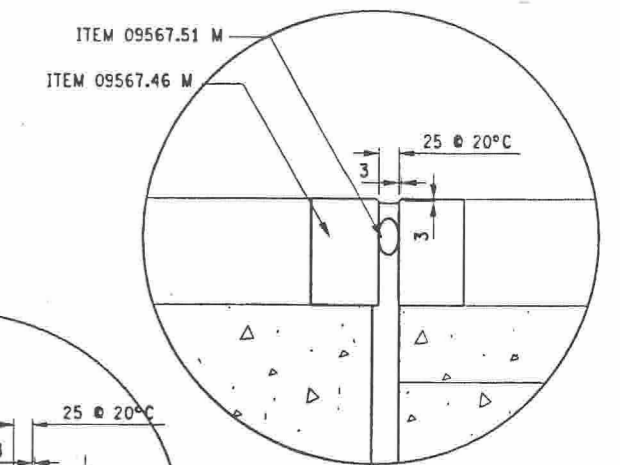


SECTION H-H (TYPICAL)

NOT TO SCALE

(BRIDGE RAIL NOT SHOWN)

ITEM 555.0105 M CONCRETE FOR STRUCTURES - CLASS A



ITEM 09567.46 M - ELASTOMERIC CONCRETE FOR BRIDGE JOINT SYSTEM

ITEM 09567.51 M - SEAL EXISTING BRIDGE JOINTS

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

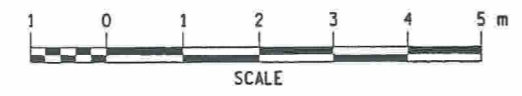
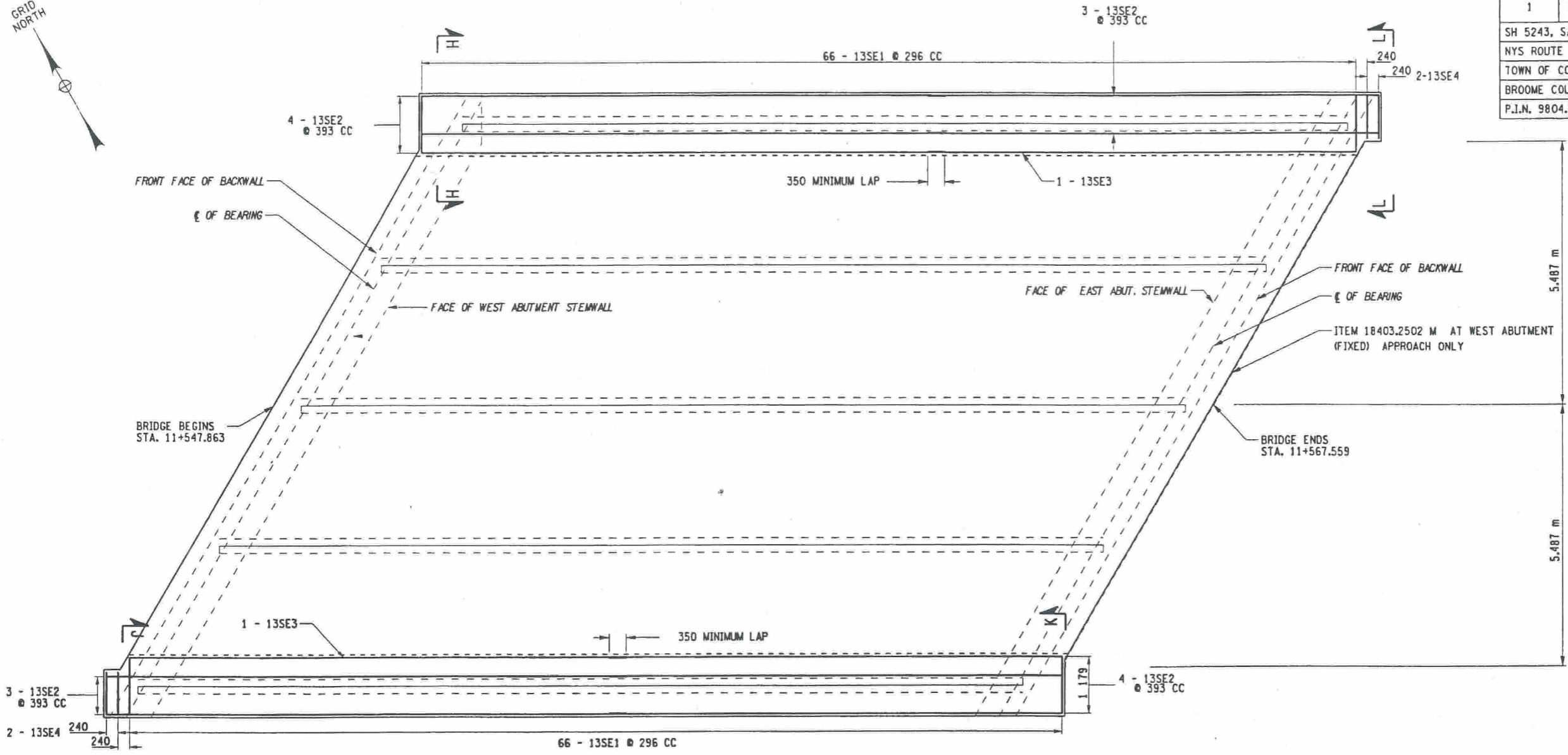
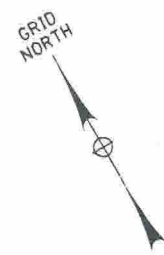
AS BUILT REVISIONS

SIGNATURE		DATE	
NYS ROUTE 7/BELDEN BROOK			
JOINT RECONSTRUCTION DETAILS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.ABA	REGION 9	DATE 11/02	DRAWING NO. ST1-8

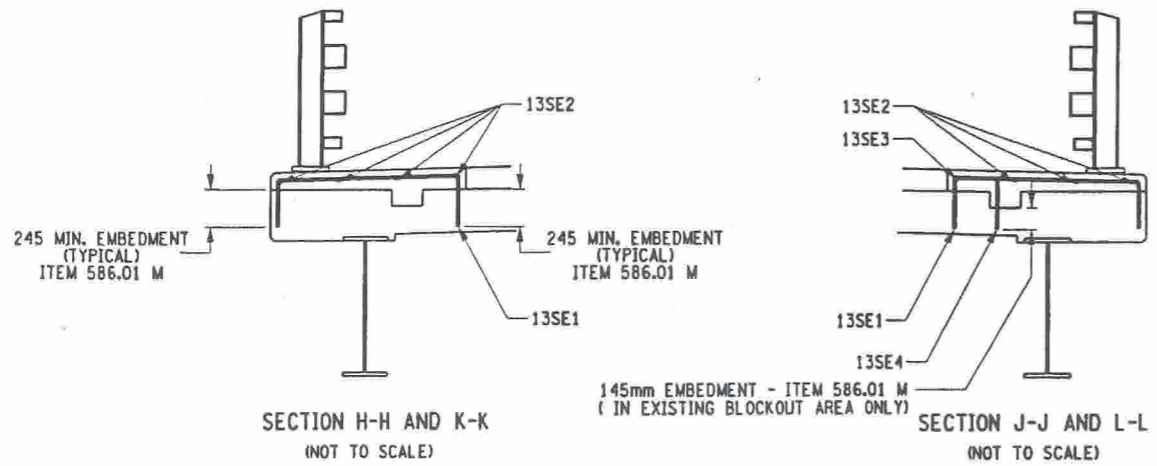
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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	30	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



SIDWALK REMOVAL AREA REINFORCEMENT PLAN






ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

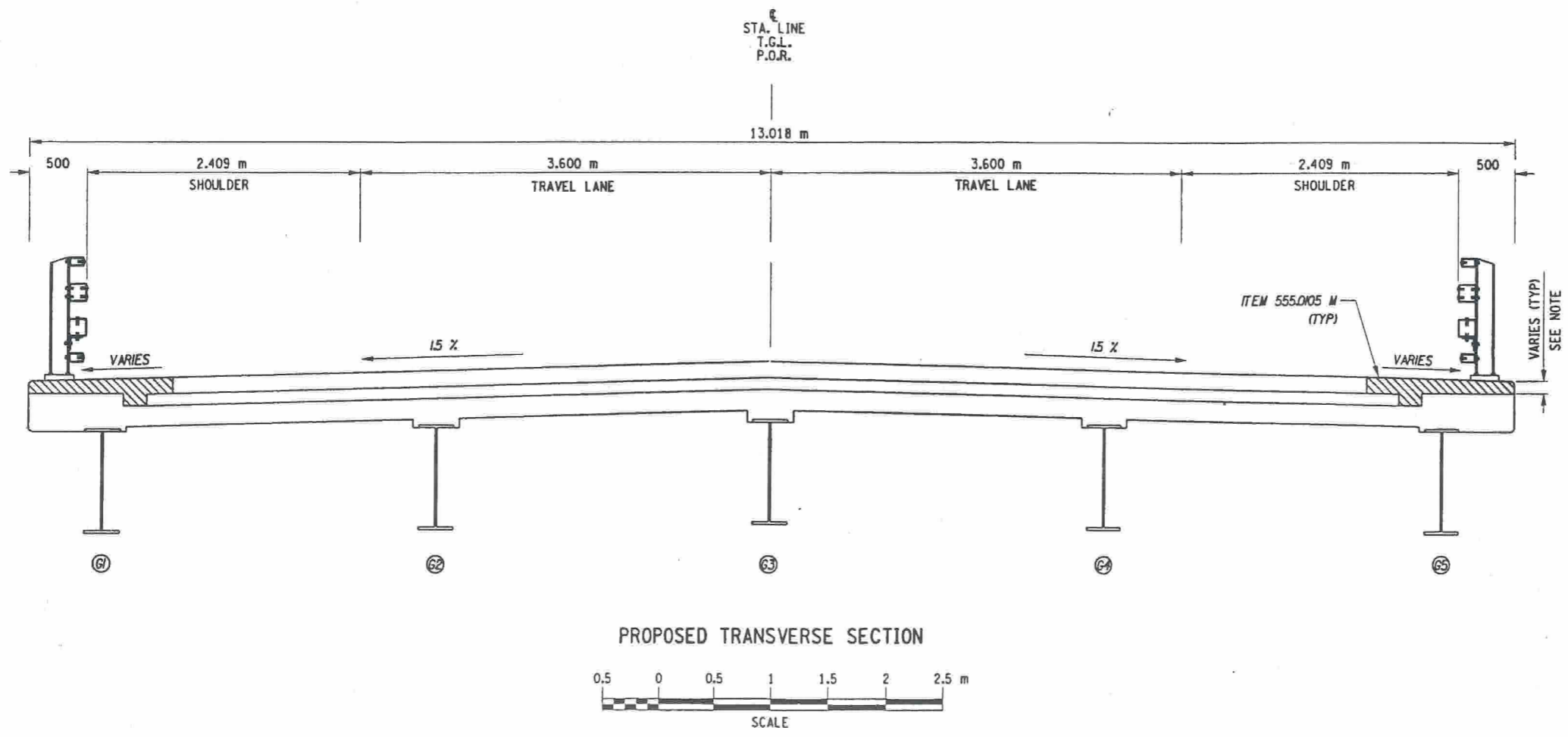
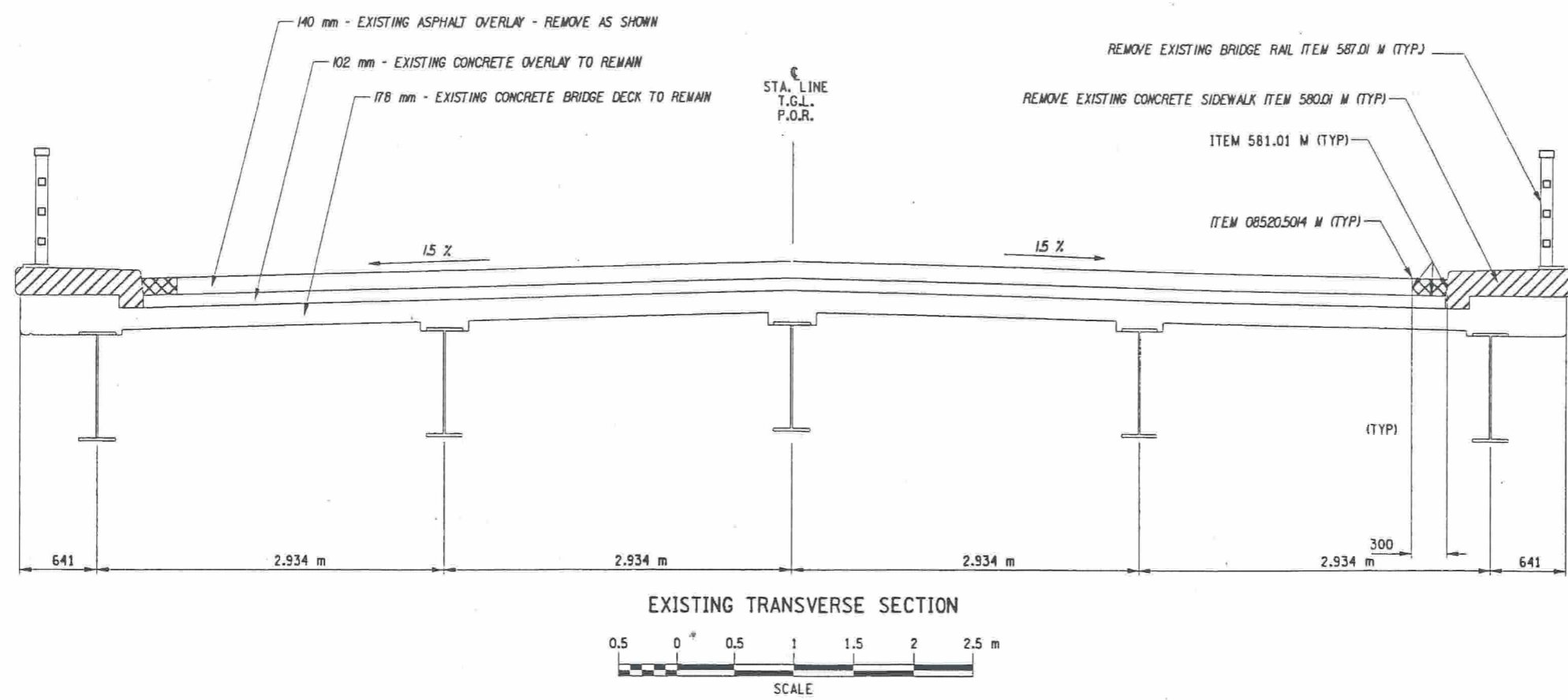
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NYS ROUTE 7/BELDEN BROOK			
FASCIA REINFORCEMENT DETAILS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.ABB	REGION 9	DATE 8/02	DRAWING NO. ST1-9

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 ESTIMATED BY _____
 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	31	61
SH 5243, SANITARIA SPRINGS-HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34		B.I.N. 1003760		

NOTE:
 SIDEWALK REPLACEMENT CONCRETE SHALL BE SLOPED TO DRAIN. REPLACEMENT CONCRETE SHALL MATCH EXISTING CROSS SLOPE WITH A MINIMUM FASCIA THICKNESS OF 110 mm.

-  580.01 M-STRUCTURAL CONCRETE REMOVAL
-  581.01 M-REMOVAL OF BITUMINOUS CONCRETE OVERLAY (BRIDGE)
-  555.0105 M-CONCRETE FOR STRUCTURES - CLASS A



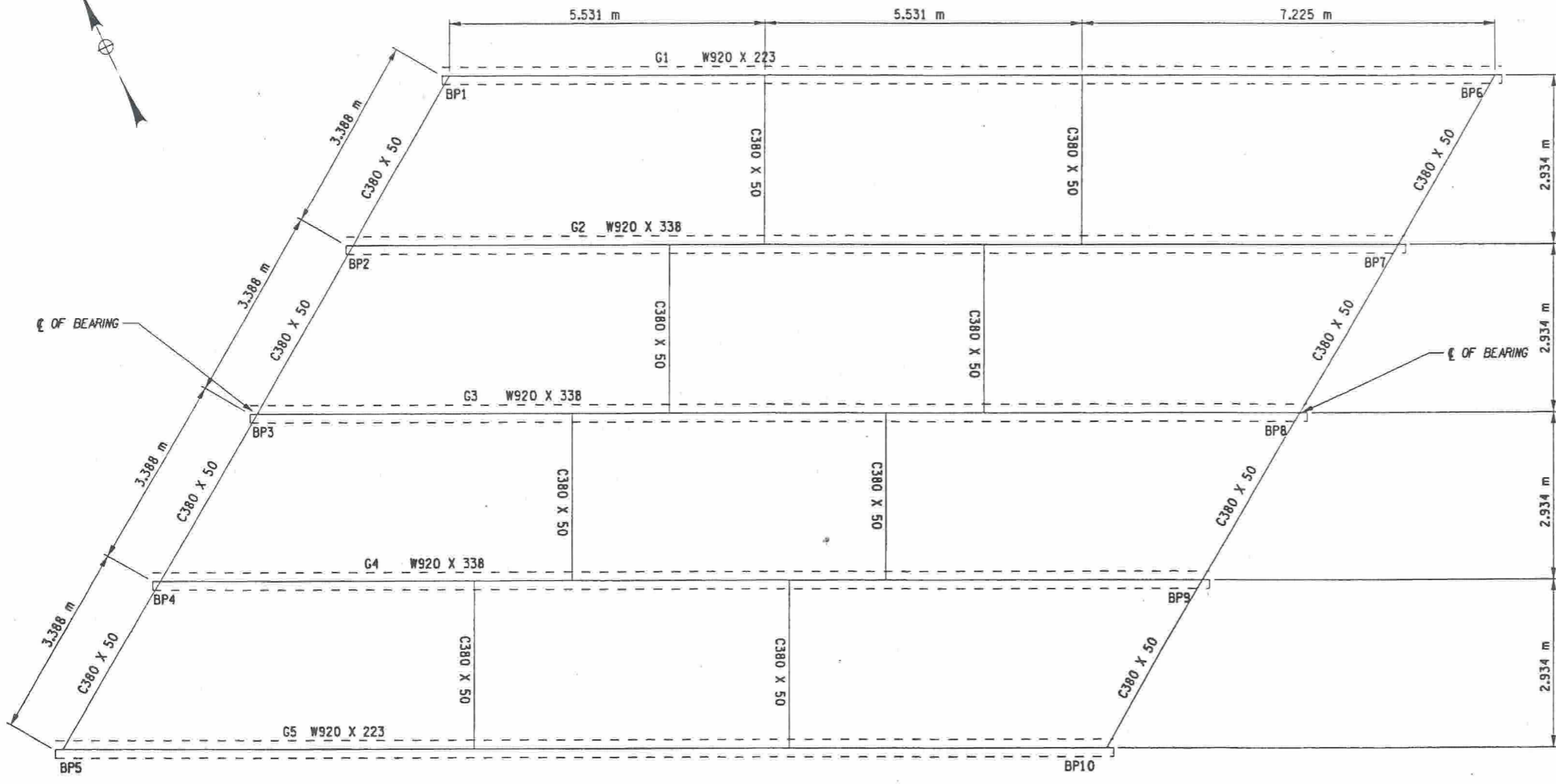
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TRANSVERSE SECTION			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
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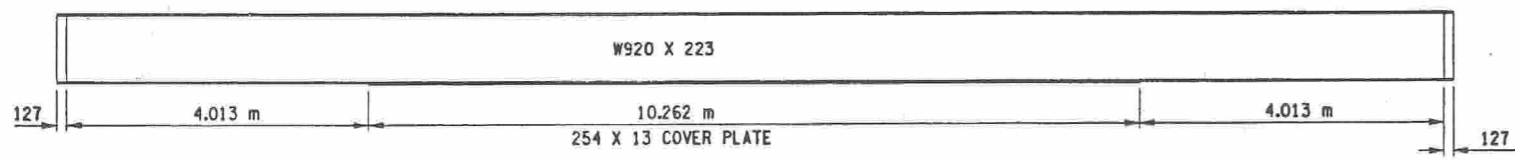
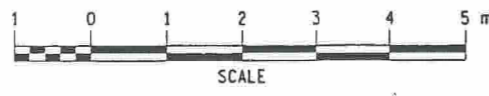
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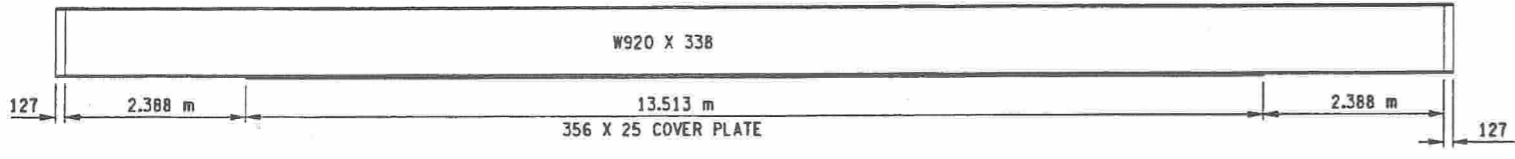
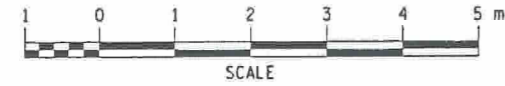
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1	N.Y.	D259317	32	61
SH 5243, SANITARIA SPRINGS-HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



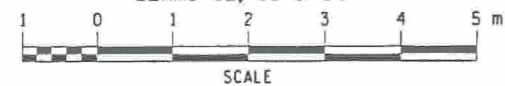
FRAMING PLAN



BEAMS G1 & G5



BEAMS G2, G3 & G4



BEARING POINT LOADS FOR STRUCTURAL LIFTING

BEARING POINT	DL+SDL (kN)	LL+I (kN)	TOTAL LOAD (kN)
BP1	243.4 kN	258.0 kN	501.4 kN
BP2	314.6 kN	319.6 kN	624.2 kN
BP3	314.6 kN	319.6 kN	624.2 kN
BP4	314.6 kN	319.6 kN	624.2 kN
BP5	243.4 kN	258.0 kN	501.4 kN
BP6	243.4 kN	258.0 kN	501.4 kN
BP7	314.6 kN	319.6 kN	624.2 kN
BP8	314.6 kN	319.6 kN	624.2 kN
BP9	314.6 kN	319.6 kN	624.2 kN
BP10	243.4 kN	258.0 kN	501.4 kN

STRUCTURAL LIFTING ITEMS		QTY
ITEM 585.01 M	STRUCTURAL LIFTING TYPE A (ABUTMENTS)	10 EA

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

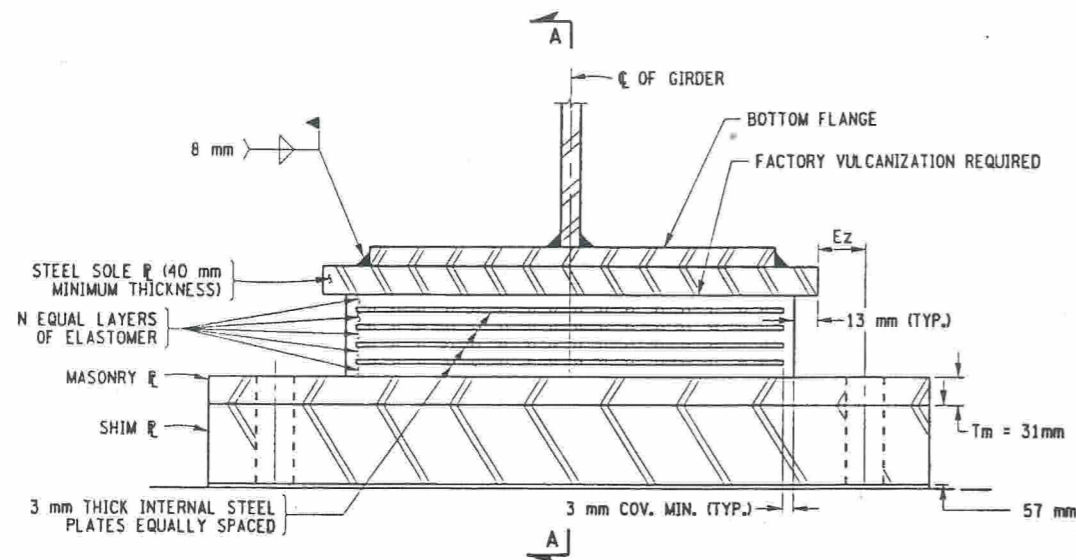
FRAMING PLAN AND JACKING LOADS



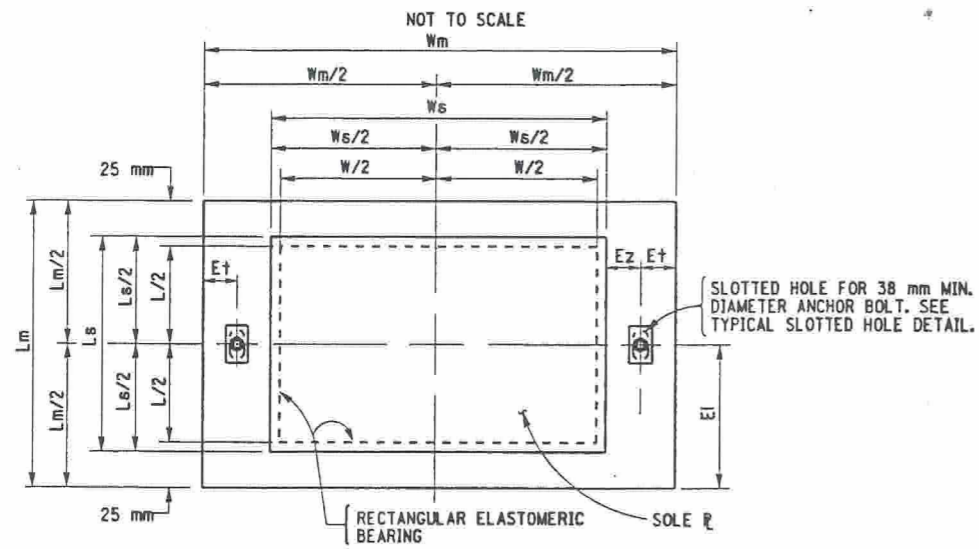
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILENAME 980434AB.FOA	REGION 9	DATE 8/02	DRAWING NO. ST1-11
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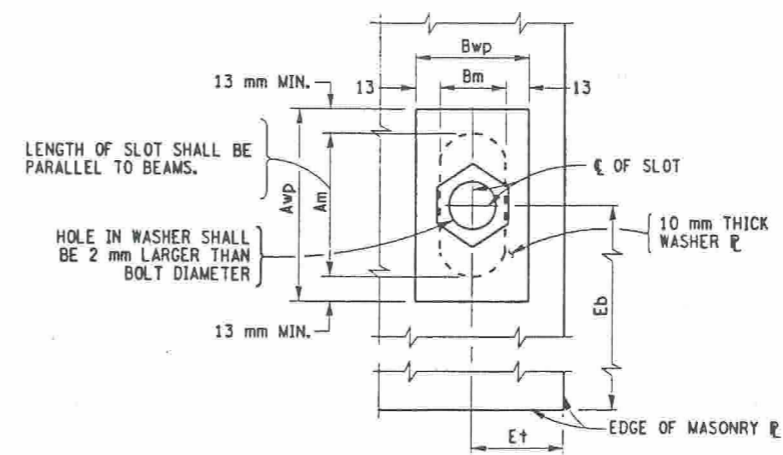
TYPICAL EXPANSION BEARING ELEVATION



TYPICAL RECTANGULAR EXPANSION BEARING PLAN

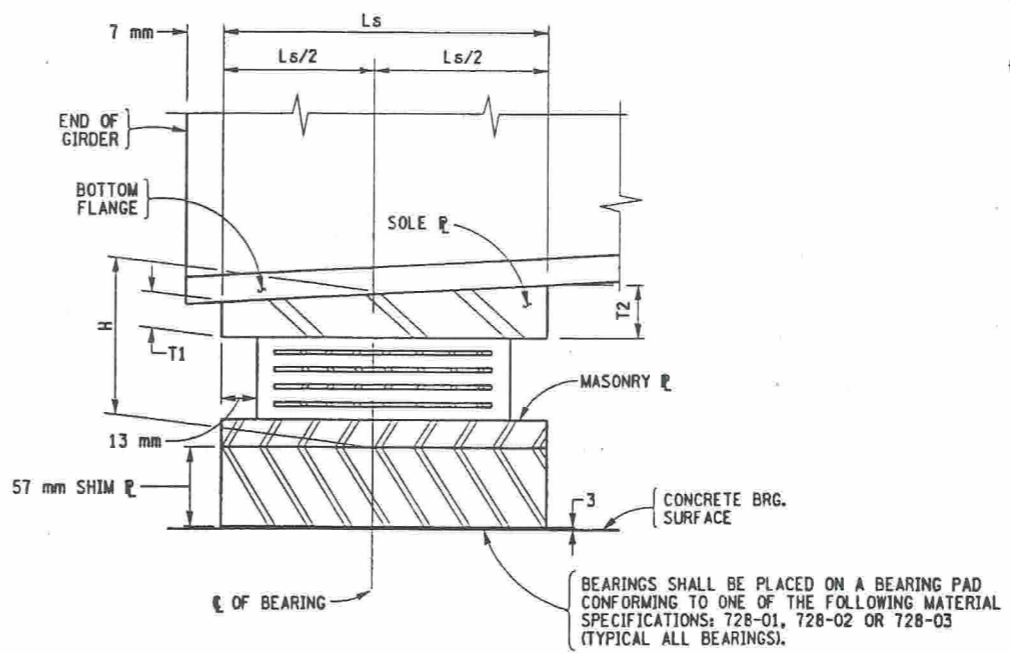
NOT TO SCALE

MINIMUM DIST. FROM ϵ OF BOLT TO EDGE OF SOLE PLATE = $Ez = 38 + 10 = 48$



TYPICAL SLOTTED HOLE DETAIL MASONRY PLATE AND SHIM PLATE

NOT TO SCALE



SECTION A-A

NOT TO SCALE

- NOTES:
1. INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 4 mm. THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
 2. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
 3. ALL STEEL EXCEPT INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A588M, $F_y = 345 \text{ MPa}$, UNLESS OTHERWISE NOTED.
 4. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
 5. ANCHOR BOLTS, WASHERS, WASHER PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEIR COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2033M.
 6. PAYMENT FOR THE 57 mm SHIM PLATES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2033 M.

LOCATION	ITEM NO.	QUANTITY REQUIRED	DL+SDL (kN)	LL W/O IMP. (kN)	TOTAL DESIGN REACTION (kN)	SHAPE FACTOR	ELASTOMER LAYERS				h_{r+} (mm)	COMP. AREA (sq. mm)	SHEAR AREA (sq. mm)	MASONRY PLATE				ANCHOR BOLTS BOLTS/BRG.	WELD SIZE	NUMBER OF CAP SCREWS	WASHER PLATE		SOLE PLATE		BRG. H							
							THK/LAYER	N LAYERS	L	W				D	Tm	Wm	Lm				E±	Ei	Am	Bm		Aw	Bwp	Ws	Ls	T1	T2	
W. ABUT	565.2033 M	5	314.6	251.6	566.12	10.06	7	4	214	412	N/A	28	84448	88168	31	690	264	72	107	78	48	38	2	8	4	104	74	438	240	42	38	108

57 mm SHIM PLATE REQUIRED AT EACH BEARING TO COMPENSATE FOR ADDITIONAL HEIGHT OF EXISTING BEARING BEING REPLACED

T2 IS UPSTATION OF T1.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

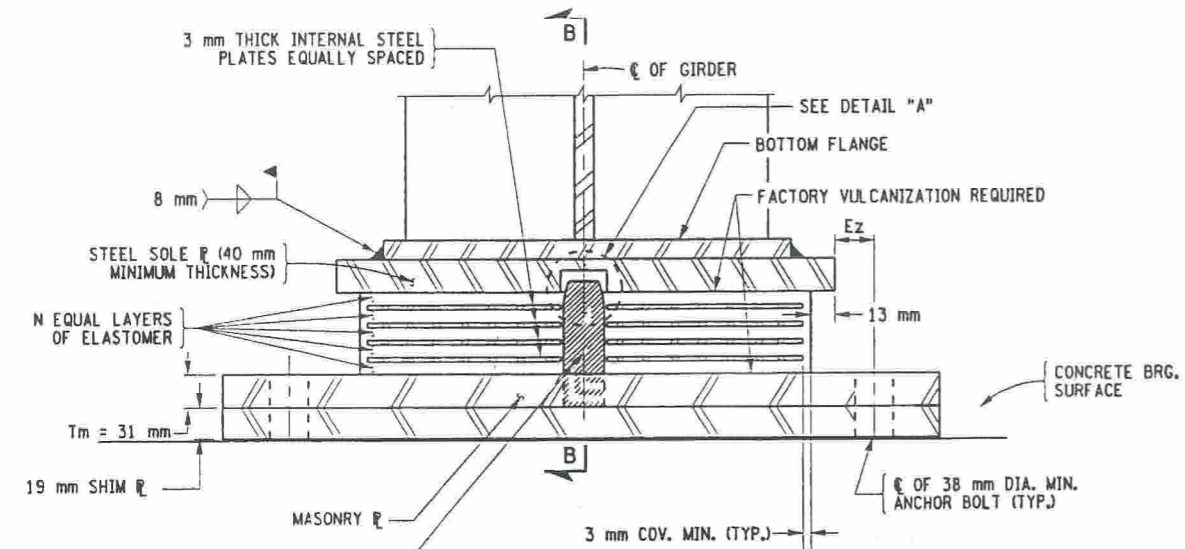
EXPANSION BEARING DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

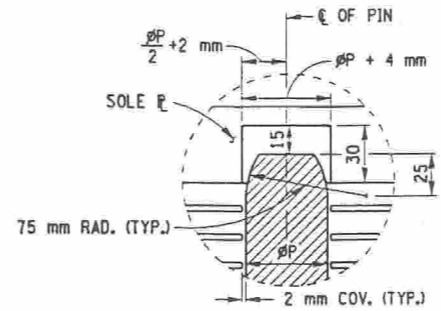
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 ESTIMATED BY _____
 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____



TYPICAL ELEVATION FIXED BEARING
NOT TO SCALE

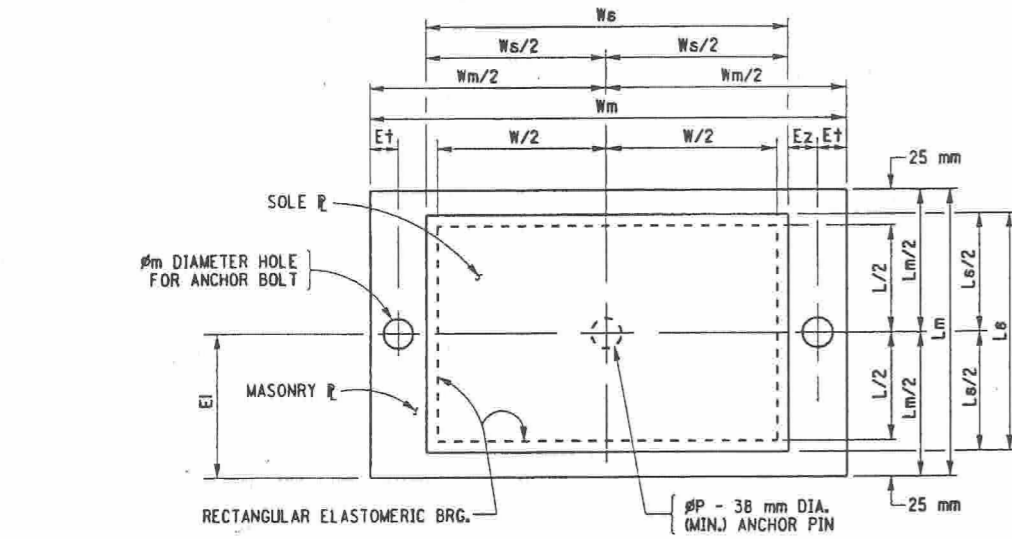


**DETAIL "A"
FIXED BEARING ANCHOR PIN**
NOT TO SCALE

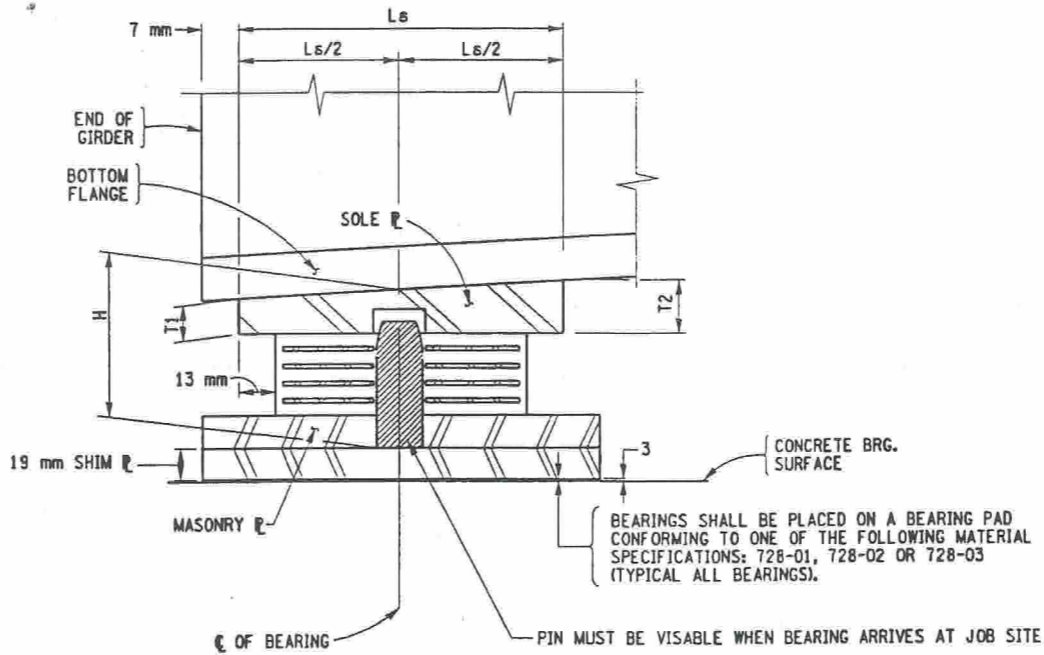
NOTES:

1. INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 4 mm. THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
2. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
3. ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A568M, $F_y = 345$ MPa, UNLESS OTHERWISE NOTED.
4. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
5. ANCHOR BOLTS, WASHERS, WASHER PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEIR COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2023 M.
6. PAYMENT FOR THE 19 mm SHIM PLATES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.2023 M.

$\phi P = 38$ mm DIA. MIN. ANCHOR PIN PRESS FIT OR THREADED, FULL DEPTH INTO MASONRY. (NO WELDING ALLOWED).



TYPICAL RECTANGULAR FIXED BEARING PLAN
NOT TO SCALE



SECTION B-B
NOT TO SCALE

MINIMUM DIST. FROM ϵ OF BOLT TO EDGE OF SOLE PLATE = $E_z = 38 + 10$ mm = 48

FIXED ELASTOMERIC BEARING (TYPE E.B.) TABLE

LOCATION	ITEM NO.	QUANTITY REQUIRED	DL+SDL (kN)	LL W/O IMP. (kN)	TOTAL DESIGN REACTION (kN)	SHAPE FACTOR	ELASTOMER LAYERS			ht (mm)	COMP. AREA (sq. mm)	SHEAR AREA (sq. mm)	MASONRY				ANCHOR BOLTS		WELD SIZE	NUMBER OF CAP SCREWS	SOLE PLATE				BRG. H	ϕP (PIN DIA.)				
							THK/LAYER	N LAYERS	L				W	D	Tm	Wm	Lm	Et			Ei	ϕm	ϕ	BOLTS/BRG.			Ws	Ls	T1	T2
E. ABUT.	565.2023 M	5	314.6	251.6	566.12	10.06	7	4	214	412	N/A	28	83314	87034	31	690	264	72	107	48	38	2	8	4	438	240	42	38	108	38

19 mm SHIM PLATE REQUIRED AT EACH BEARING TO COMPENSATE FOR ADDITIONAL HEIGHT OF EXISTING BEARING BEING REPLACED

T2 IS DOWNSTATION OF T1.

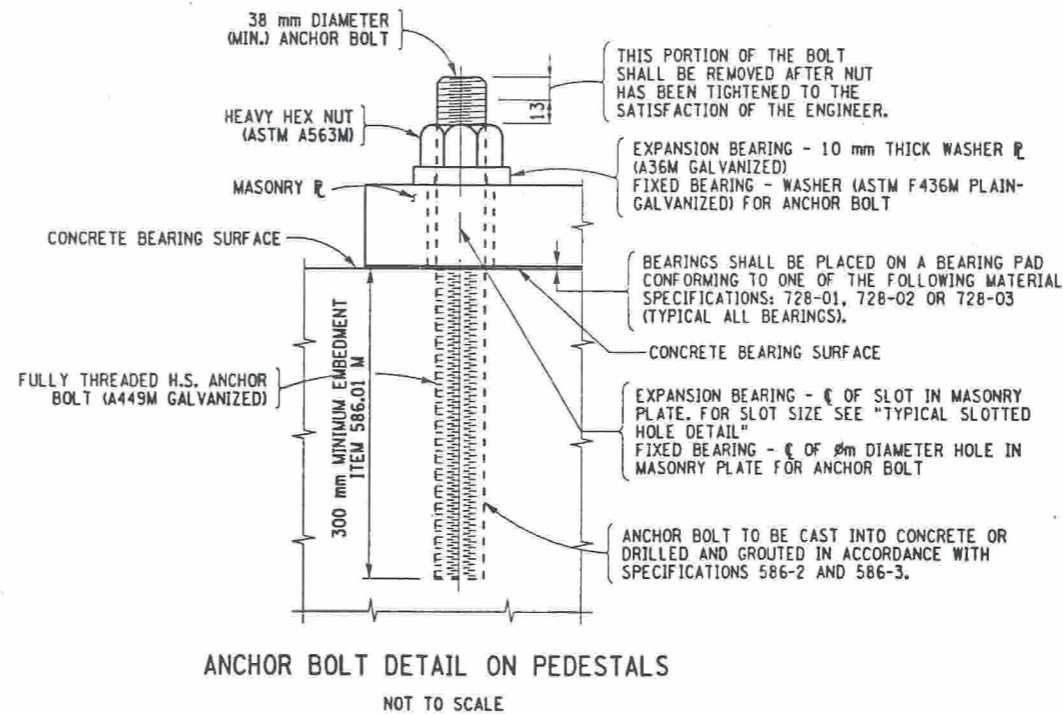
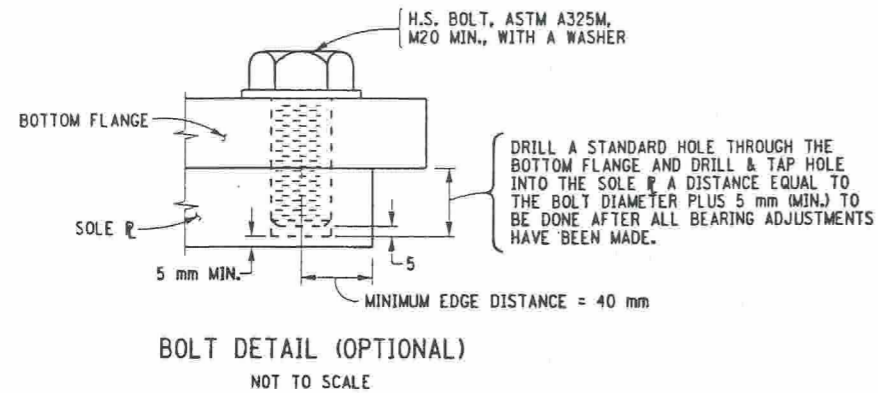
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AS BUILT REVISIONS

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NYS ROUTE 7/NELDEN BROOK			
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.MEB	REGION 9	DATE 8/02	DRAWING NO. ST1-13

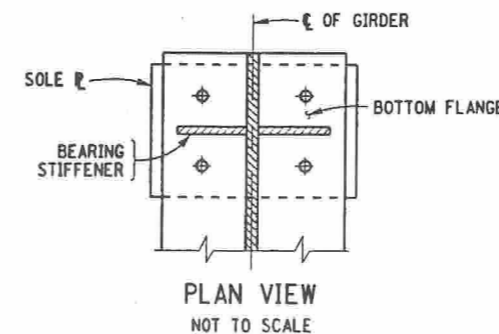
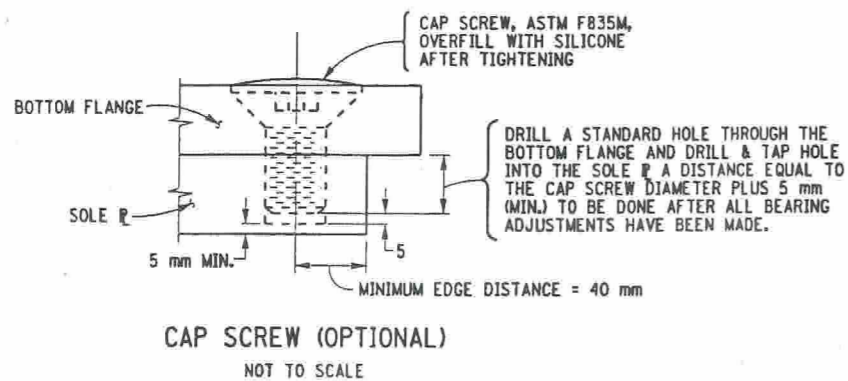
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 ESTIMATED BY _____
 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____

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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	35	61
SH 5243, SANITARIA SPRINGS-HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34			B.J.N. 1003760	



- NOTES:
- ANCHOR BOLTS, WASHERS, WASHER PLATES, ANCHOR PLATES AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THEIR COST (INCLUDING GALVANIZING) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEMS.
 - RECORD PLANS INDICATE 250 mm EMBEDMENT FOR EXISTING ANCHOR BOLTS. THE EXISTING ANCHOR BOLTS SHALL BE REMOVED BY CORE DRILL SO THAT NEW ANCHOR BOLTS MAY BE INSTALLED AT THE LOCATIONS INDICATED ON THE CONTRACT PLANS, SEE DWG. NO. ST1-7.



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7/BELDEN BROOK

MISCELLANEOUS DETAILS



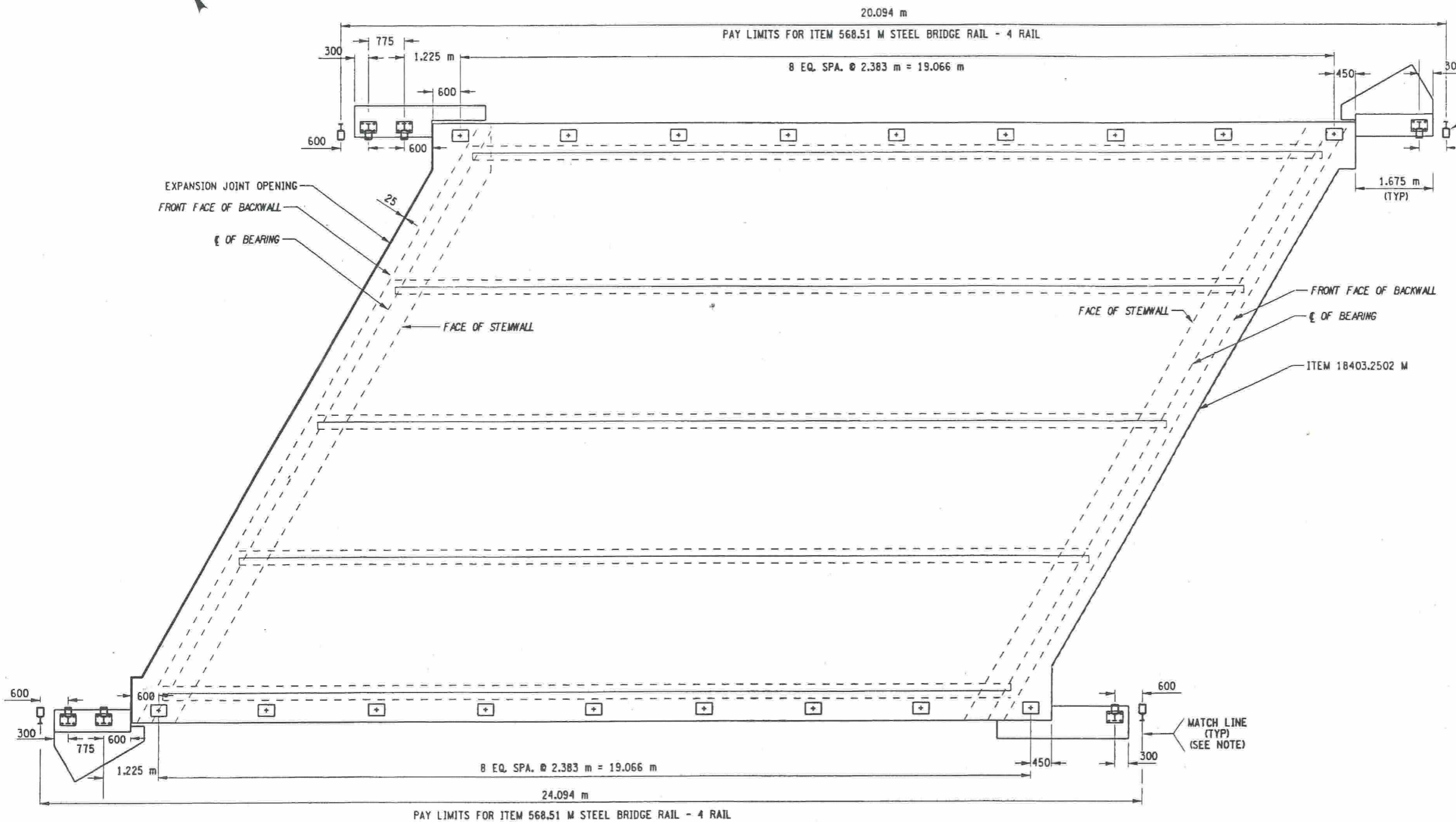
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILENAME 980434AB.MOA	REGION 9	DATE 8/02	DRAWING NO. ST1-14
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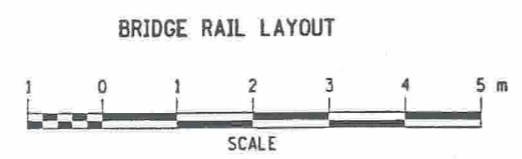
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SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



- NOTES:
1. THE CONTRACTOR SHALL VERIFY, IN THE FIELD, ALL MEASUREMENTS AND RADII FOR ALL BRIDGE RAIL, TRANSITION RAIL AND BOX BEAM GUIDE RAIL.
 2. DETAIL SHOWN WITH SIDEWALK RAMPS REMOVED.
 3. FOR MATCH LINES SEE DWG. NO. ST1-18

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

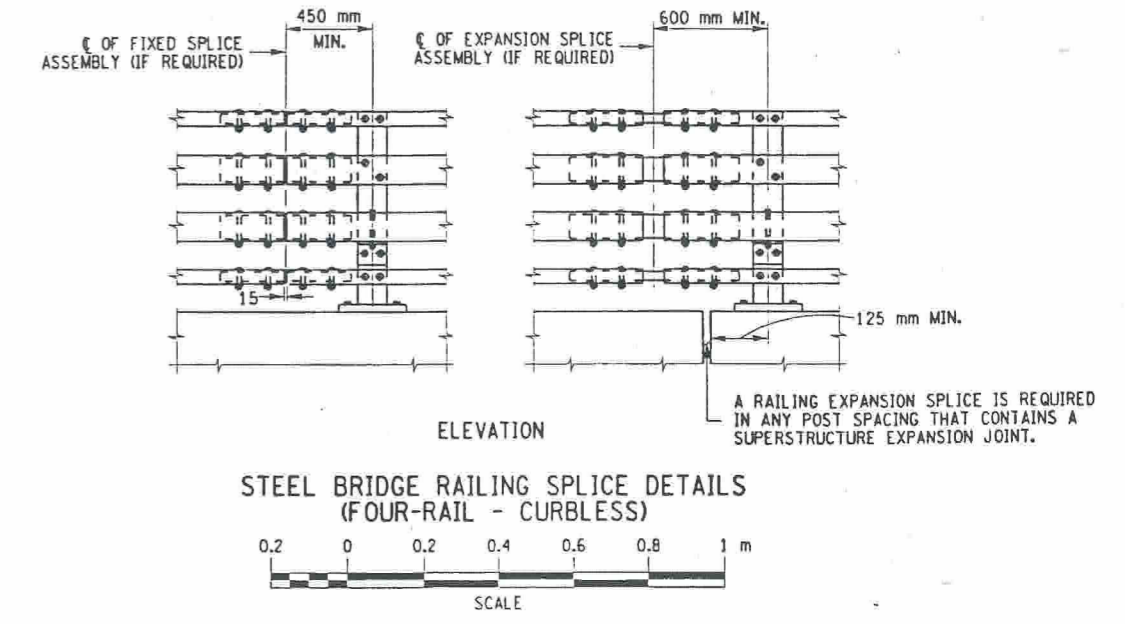
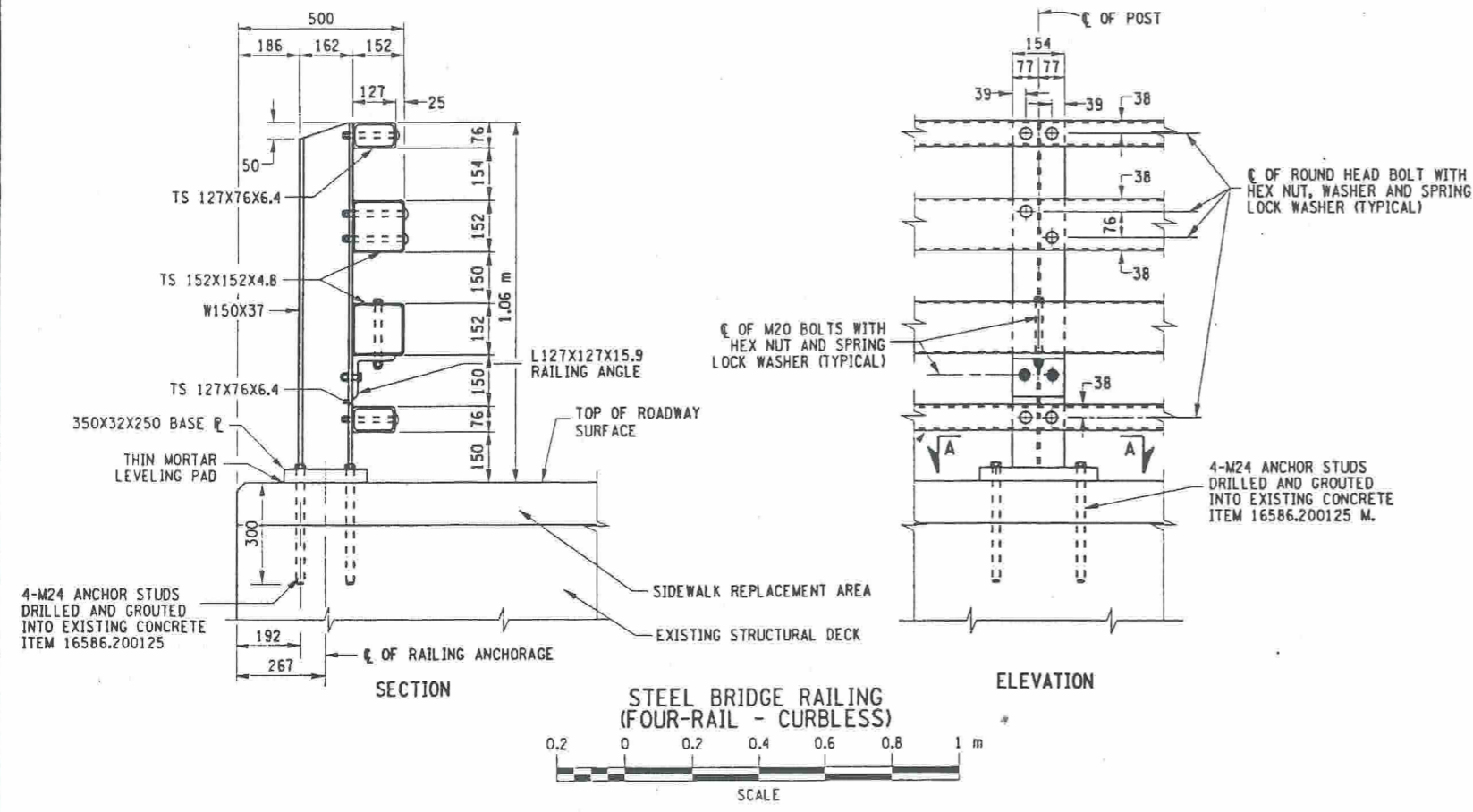
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NYS ROUTE 7 OVER BELDEN BROOK			
BRIDGE RAIL LAYOUT			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME 980434AB.R2A	REGION 9	DATE 10/2002	DRAWING NO. ST1-15



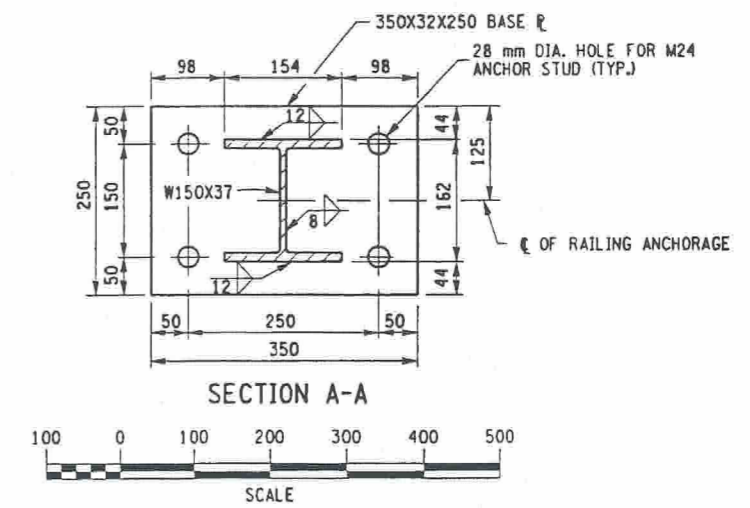
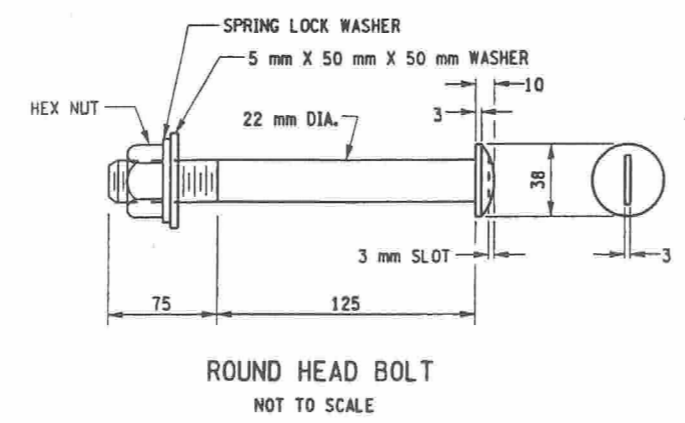
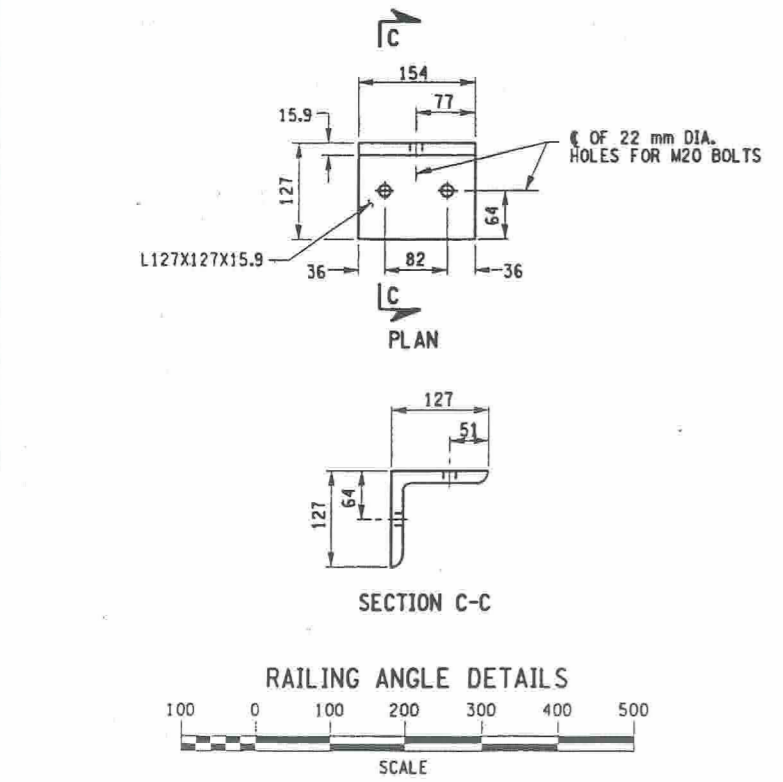
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 JOB MANAGER
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 CHECKED BY
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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	37	61
SH 5243, SANITARIA SPRINGS-HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.J.N. 9804.34		B.I.N. 1003760		

CHECKED BY _____
 DRAFTED BY _____
 ESTIMATED BY _____
 CHECKED BY _____
 DESIGNED BY _____
 JOB MANAGER _____
 DESIGN SUPERVISOR _____



ITEM 16586.200125 M - DRILLING AND GROUTING ANCHOR BOLTS AND REBARS IN CONCRETE



- NOTES:
- ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.
 - PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 2 mm.
 - BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 135 N-m).

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE DATE

NYS ROUTE 7/BELDEN BROOK

4 RAIL STEEL BRIDGE RAIL

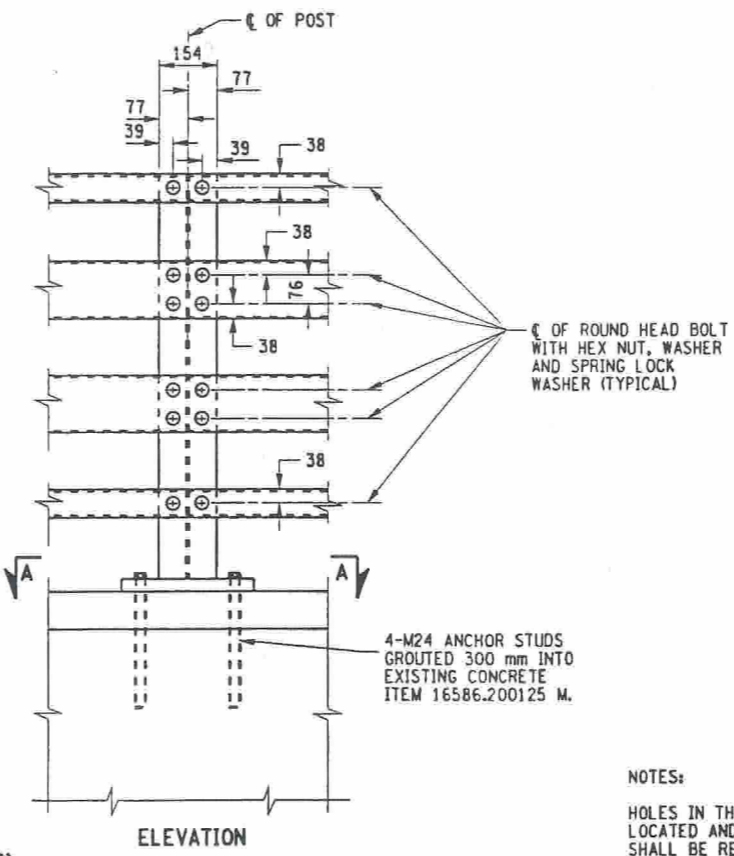
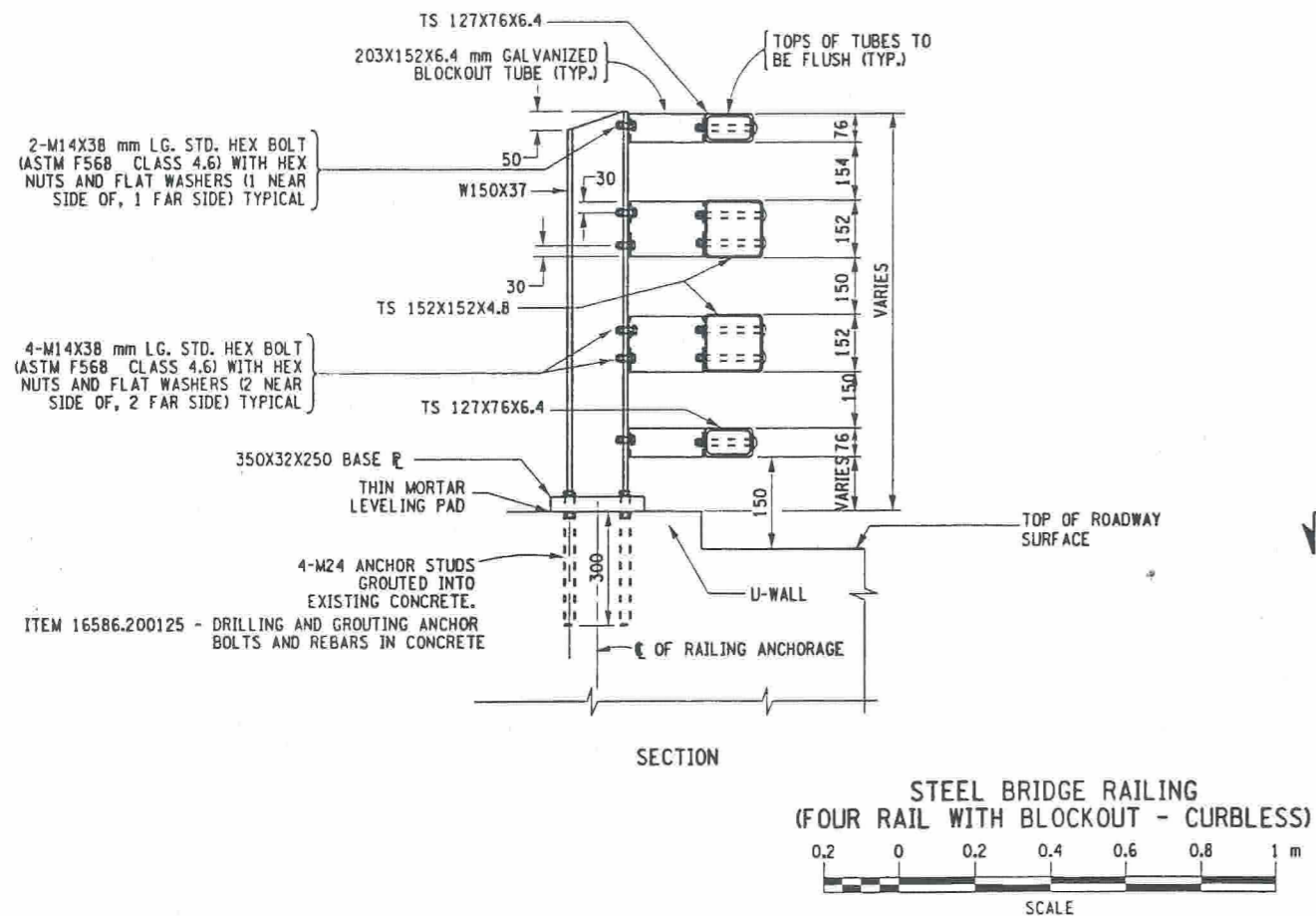
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

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SH 5243, SANITARIA SPRINGS-HARPURVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	

USER = gmuirello
 DESIGN SUPERVISOR
 JOB MANAGER
 DESIGNED BY
 CHECKED BY
 ESTIMATED BY
 DRAFTED BY
 CHECKED BY



NOTES:

HOLES IN THE POSTS ON THE U-WALLS, FOR THE RAILS, MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

DUE TO THE DIFFERENCE IN HEIGHT BETWEEN THE ROADWAY SURFACE AND THE TOPS OF THE U-WALLS THE ACTUAL LENGTH OF THESE POSTS SHALL BE FIELD MEASURED AND CUT ACCORDINGLY. DAMAGE TO GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE _____ DATE _____

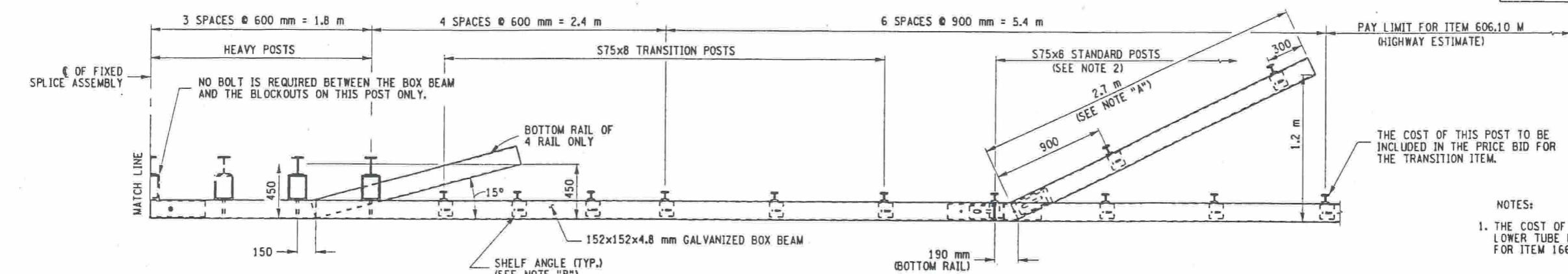
NYS ROUTE 7/BELDEN BROOK

4 RAIL STEEL BRIDGE RAIL AT U-WALLS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

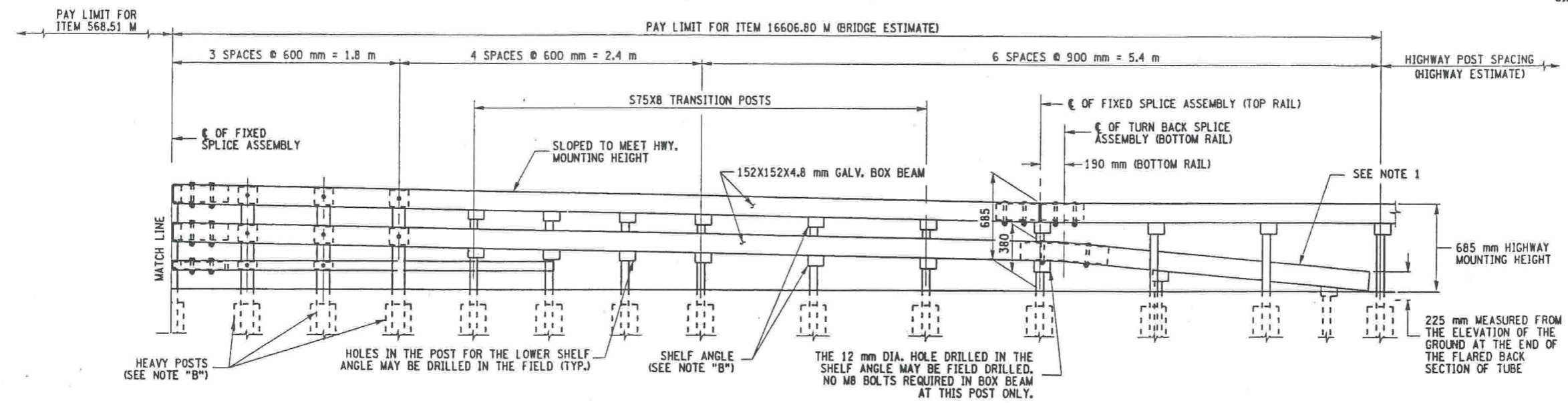
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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	39	61
SH 5243, SANITARIA SPRINGS-HARPURSEVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	

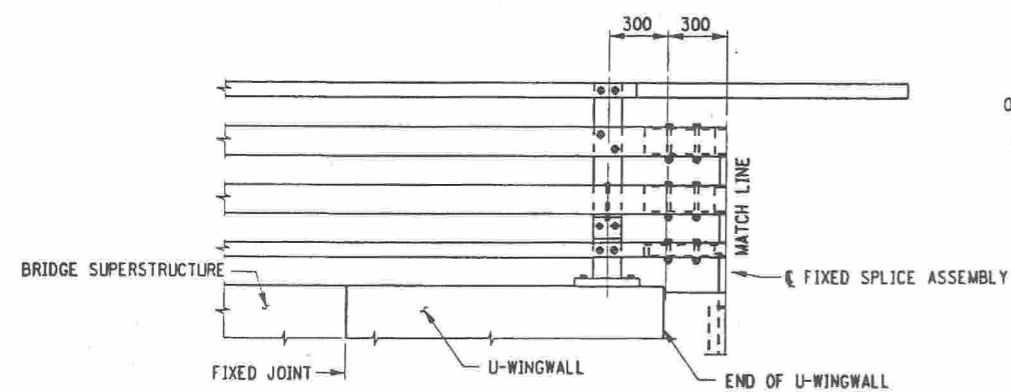
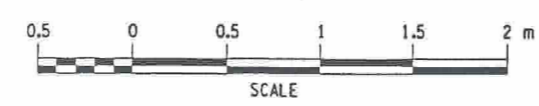


PLAN

- NOTES:
1. THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE LOWER TUBE FLARE SECTION IS INCLUDED IN THE PRICE BID FOR ITEM 16606.80 M.
 2. SEE TYPICAL RAIL TO POST CONNECTION DETAIL ON STANDARD SHEET M606-3.
 3. THE CONTRACTOR SHALL UTILIZE FIXED SPLICE ASSEMBLIES AT THE FIRST HEAVY POST BLOCKOUT AT THE END OF EACH U-WALL IN ORDER TO ACHIEVE THE CORRECT SLOPE TO MEET THE HIGHWAY MOUNTING HEIGHT FOR THE BBGR. THE COST FOR THESE ADDITIONAL SPLICES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 16606.80 M.

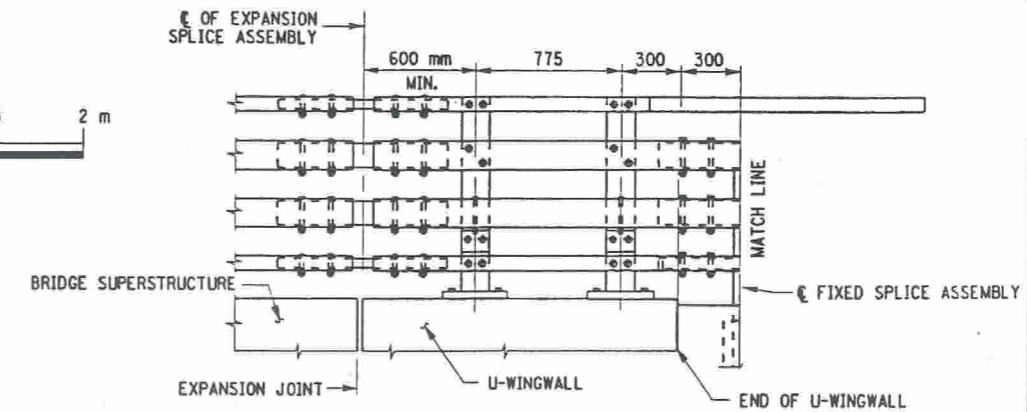


ELEVATION FOUR RAIL - CURBLESS



ELEVATION FOUR-RAIL - CURBLESS ON U-WINGWALL (FIXED END)

SCALE 1:20



ELEVATION FOUR-RAIL - CURBLESS ON U-WINGWALL (EXPANSION END)

SCALE 1:20

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

SIGNATURE _____ DATE _____

NYS ROUTE 7 OVER BELDEN BROOK
 PLAN & ELEVATION
 4 RAIL STEEL BRIDGE RAIL TRANSITION TO BOX BEAM GUIDE RAIL

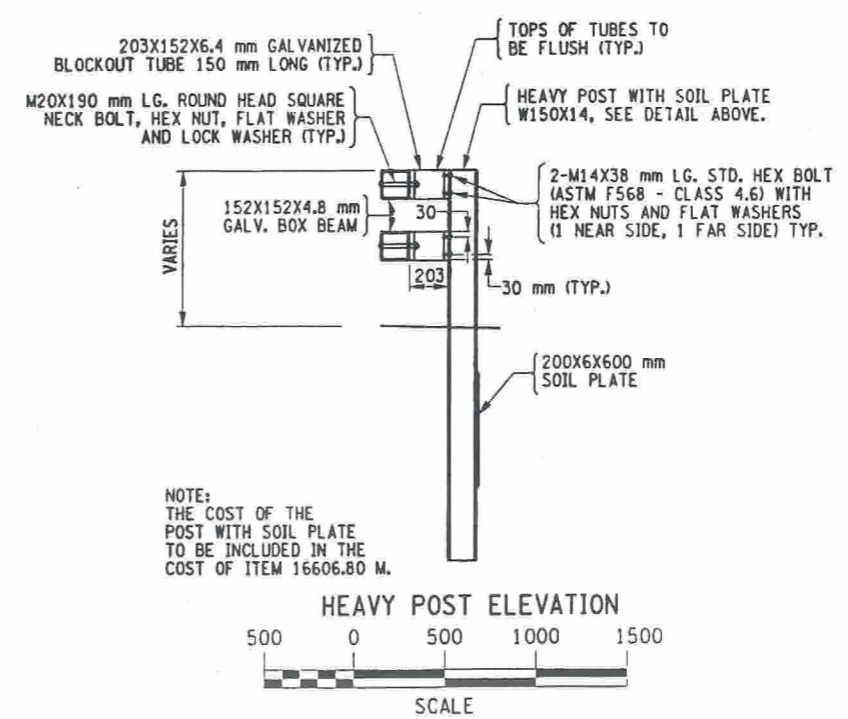
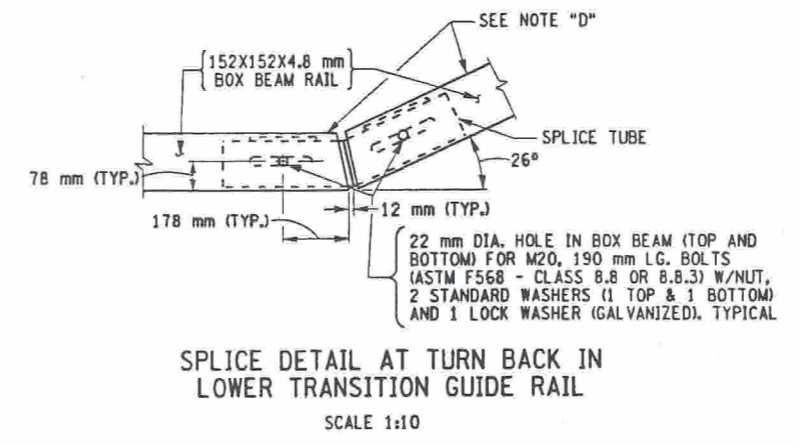
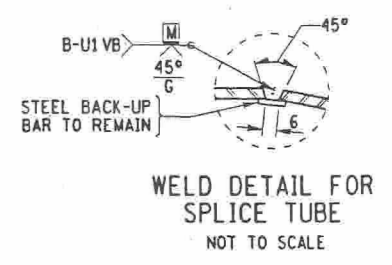
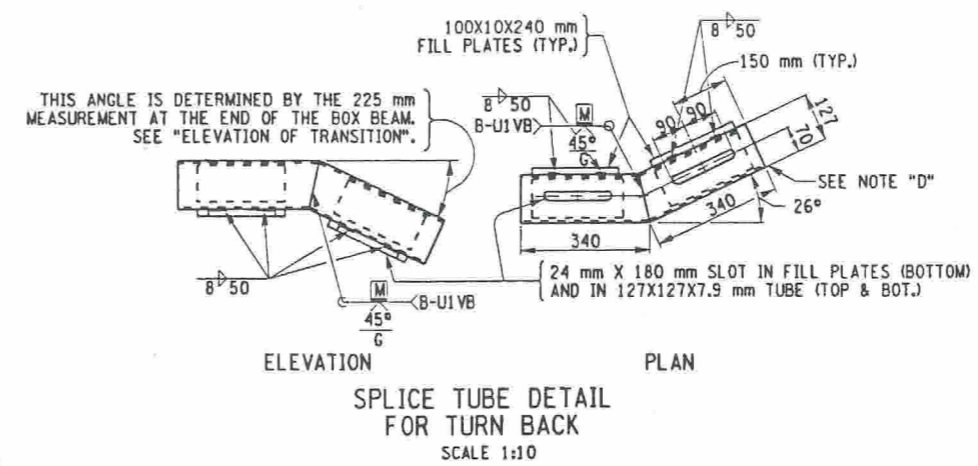
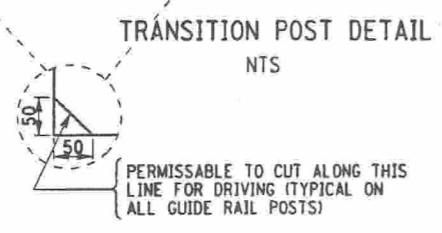
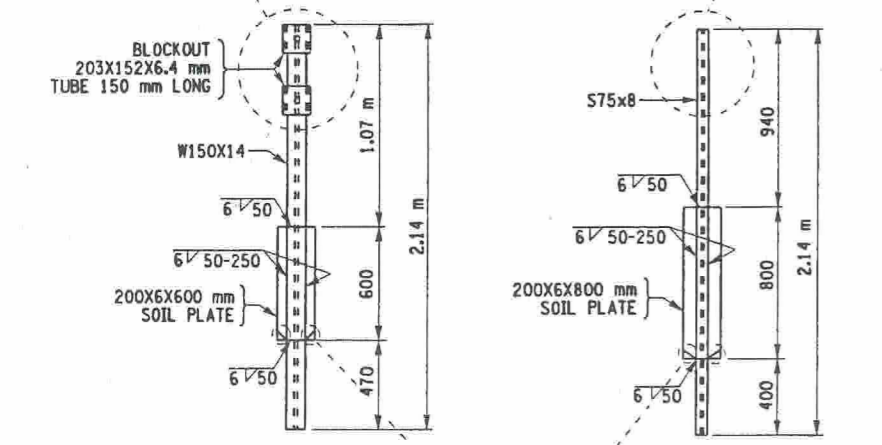
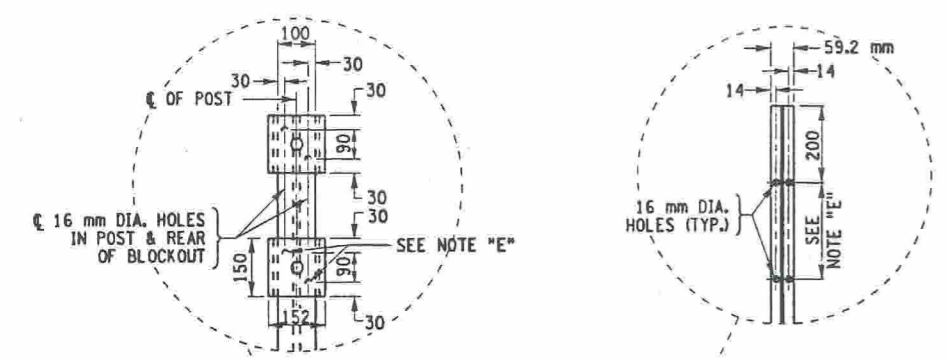
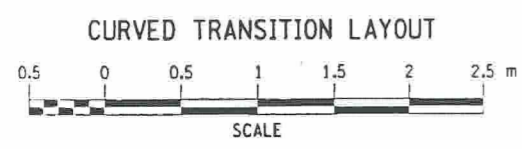
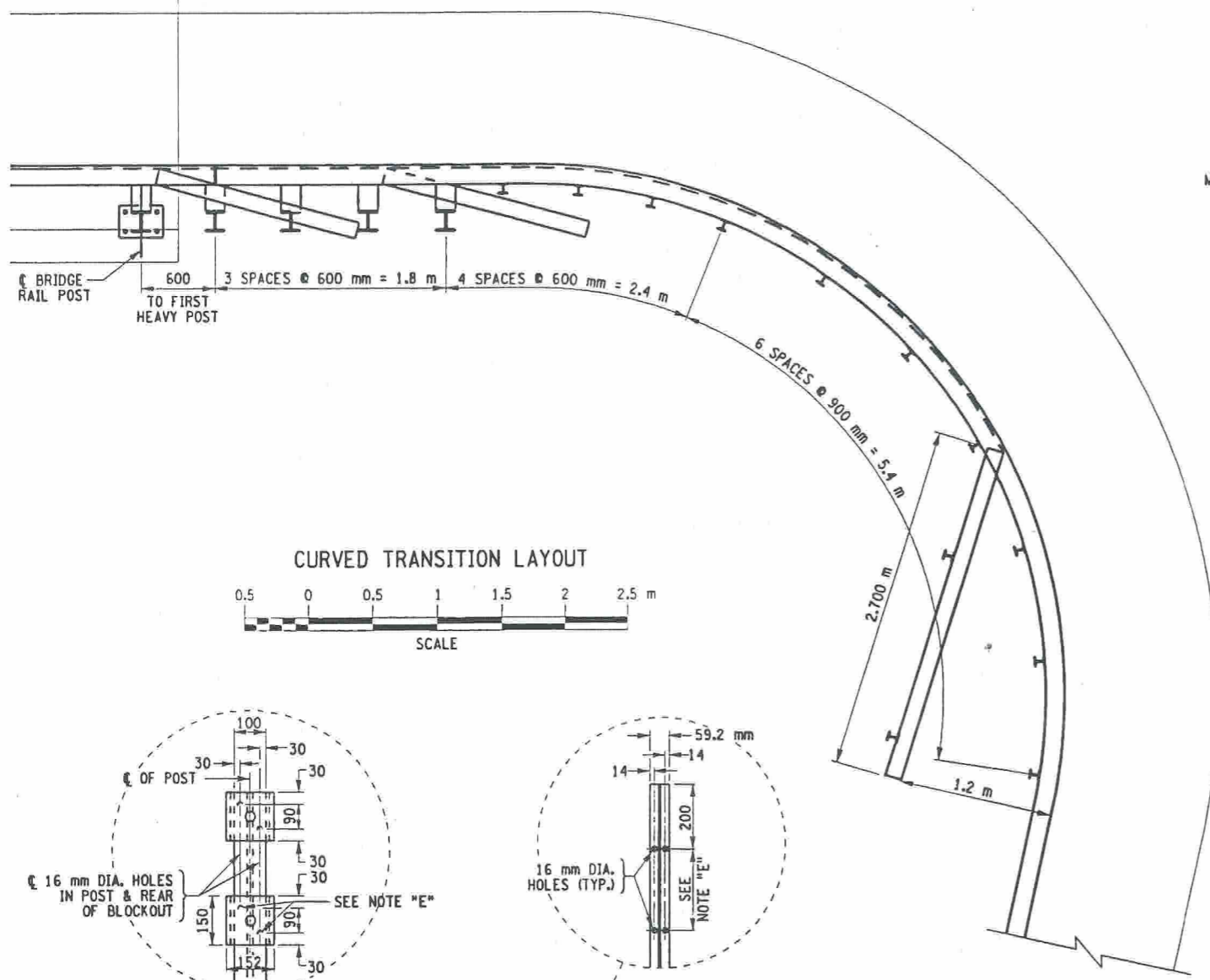
STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

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 DESIGN SUPERVISOR _____

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	40	61
SH 5243, SANITARIA SPRINGS-HARPURSEVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



- NOTES:
1. THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE RADII OF THE CURVED TRANSITION AS WELL AS ALL OTHER MEASUREMENTS.
 2. FOR NORMAL TRANSITION DETAILS, SEE DWG. NO. ST1-18.
 3. BRIDGE RAIL DETAILS SHOWN ON DWG. NO. ST1-16 & ST1-17.
 4. HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE DATE

NYS ROUTE 7/BELDEN BROOK

CURVED TRANSITION LAYOUT
MISCELLANEOUS TRANSITION DETAILS

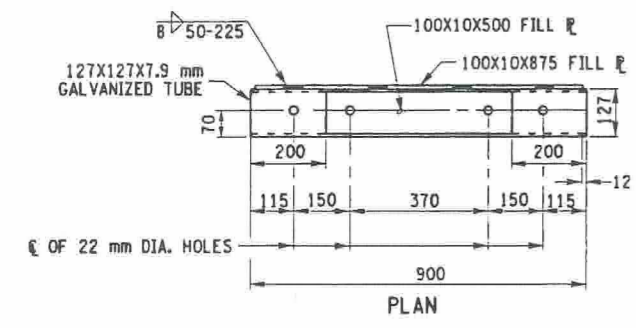
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

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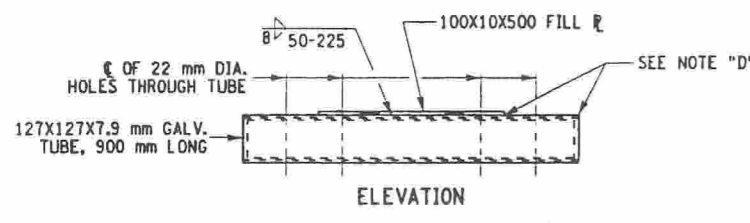
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DESIGNED BY
JOB MANAGER
DESIGN SUPERVISOR

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1	N.Y.	D259317	41	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	

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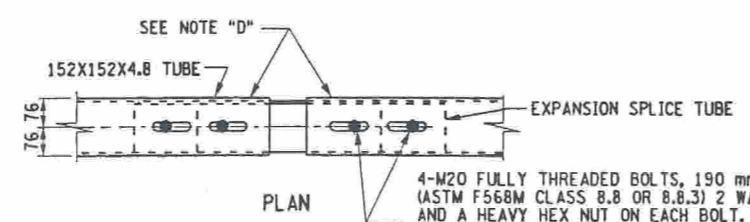


PLAN

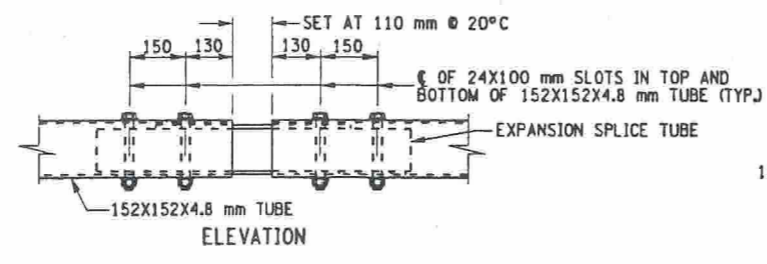


ELEVATION

EXPANSION SPLICE TUBE
SCALE 1:10

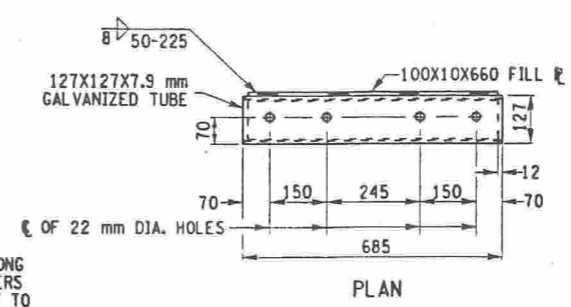


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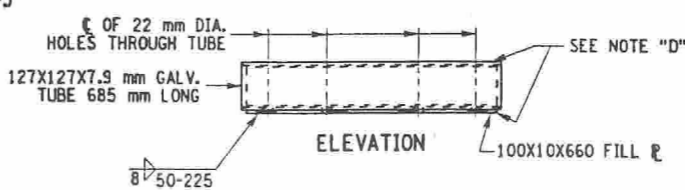


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EXPANSION SPLICE ASSEMBLY
SCALE 1:10

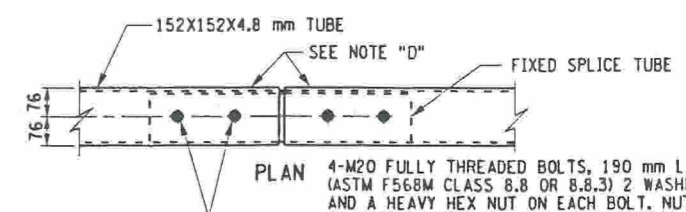


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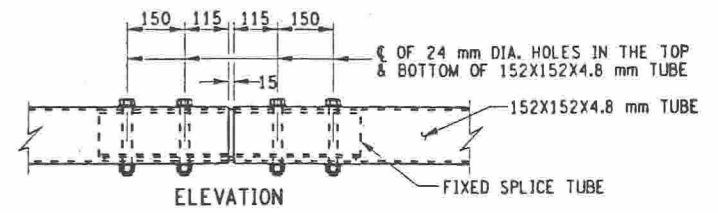


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FIXED SPLICE TUBE
SCALE 1:10

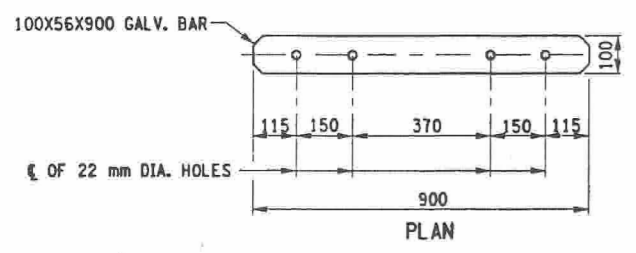


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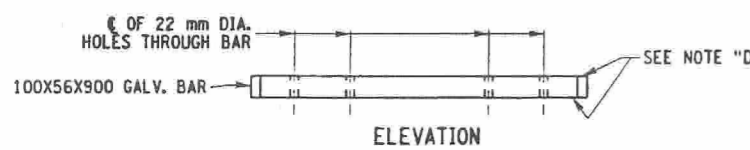


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FIXED SPLICE ASSEMBLY
SCALE 1:10

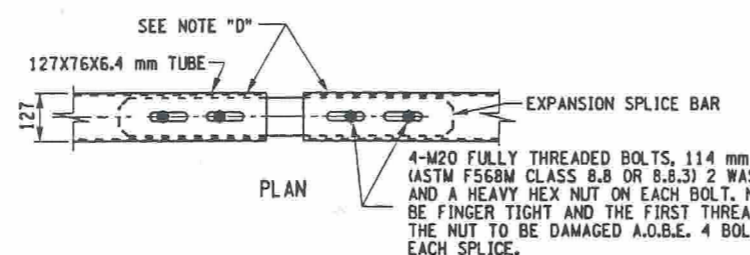


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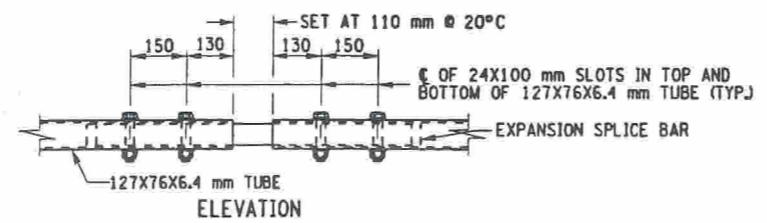


ELEVATION

EXPANSION SPLICE BAR
SCALE 1:10

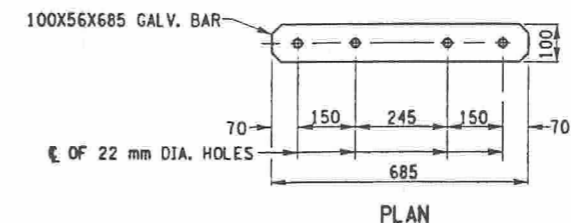


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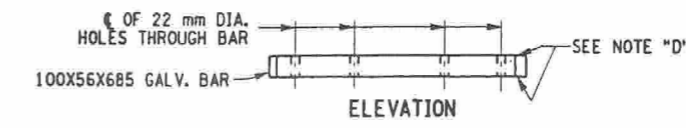


ELEVATION

EXPANSION SPLICE ASSEMBLY
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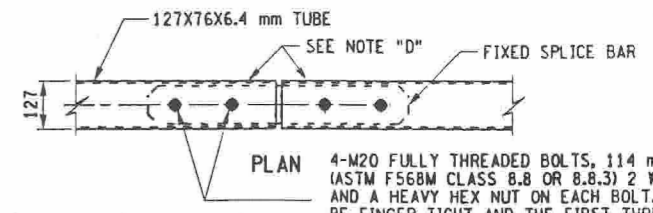


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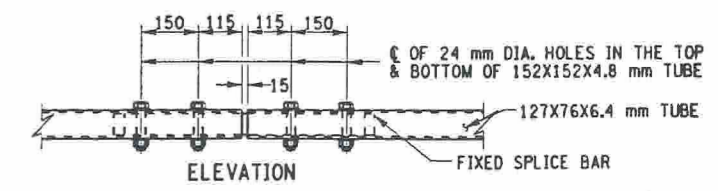


ELEVATION

FIXED SPLICE BAR
SCALE 1:10



PLAN



ELEVATION

FIXED SPLICE ASSEMBLY
SCALE 1:10

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

SIGNATURE	DATE
NYS ROUTE7/BELDEN BROOK	
BRIDGE RAIL SPLICE ASSEMBLY DETAILS	
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
FILENAME 980434AB.R1A	REGION 9
DATE 12/2002	DRAWING NO. ST1-20

CHECKED BY

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DESIGNED BY

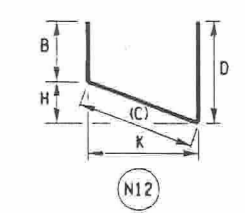
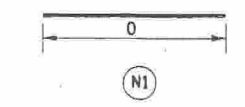
JOB MANAGER

DESIGN SUPERVISOR

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R
WEST ABUTMENT BACKWALL EXTENSION																			
SIDEWALK REPLACEMENT AREA (S. FASCIA)																			
13SE1	66	1.772	N12	116		.275	1.192	.305					.017		1.192				
13SE2	7	10.190	N1	71														10.190	
13SE3	1	9.710	N1	10														9.710	
13SE4	2	1.498	N12	3		.275	.923	.300					.014		.923				
SUBTOTAL EPOXY BARS				200	kg	THIS POUR													
SIDEWALK REPLACEMENT AREA (N. FASCIA)																			
13SE1	66	1.772	N12	116		.275	1.192	.305					.017		1.192				
13SE2	7	10.190	N1	71														10.190	
13SE3	1	9.710	N1	10														9.710	
13SE4	2	1.498	N12	3		.275	.923	.300					.014		.923				
SUBTOTAL EPOXY BARS				200	kg	THIS POUR													
TOTAL EPOXY BARS				400	kg	IN SUPERSTRUCTURE													
TOTAL EPOXY BARS				400	kg	ENTIRE STRUCTURE													

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R
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FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D259317	42	61
SH 5243, SANITARIA SPRINGS - HARPURSVILLE				
NYS ROUTE 7				
TOWN OF COLESVILLE				
BROOME COUNTY				
P.I.N. 9804.34			B.I.N. 1003760	



AS BUILT REVISIONS			
SIGNATURE		DATE	
NYS ROUTE 7/BELDEN BROOK			
BAR LIST			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
FILENAME BARTABLE.DGN	REGION 9	DATE 12/2002	DRAWING NO. ST1-21