

TIP PROJECT: B-5179C

CONTRACT NO: C202590

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**BUNCOMBE AND MADISON
COUNTIES**

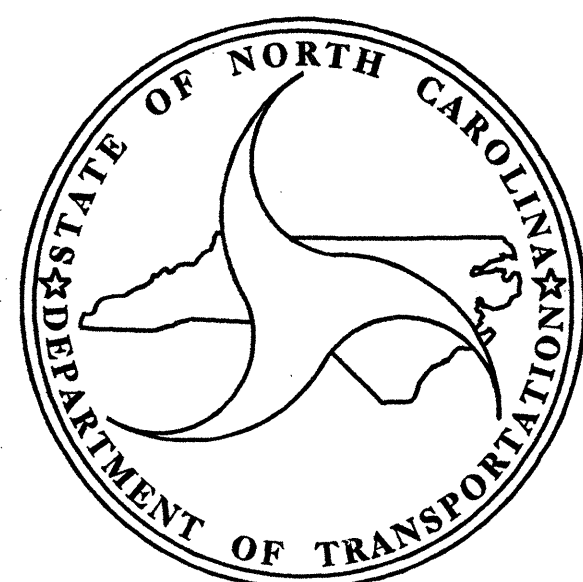
LOCATION: I-26, US 25/70, I-240, ISLAND ROAD,
US 19/23 FUTURE I-26, SR-1001, I-40

TYPE OF WORK: BRIDGE DECK PRESERVATION.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5179C	1	1A
STATE PROJECT NO.	F.A. PROJ. NO.	DESCRIPTION	
45066.1.ST1	STM-000S (615)	PE	
45066.3.ST1	STM-000S (615)	CONSTR	

INDEX OF SHEETS

<u>SHT#</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
1A	INDEX OF SHEETS
S1 THRU S49	STRUCTURE PLANS
TCP-1 THRU TCP-15	TRAFFIC CONTROL PLANS



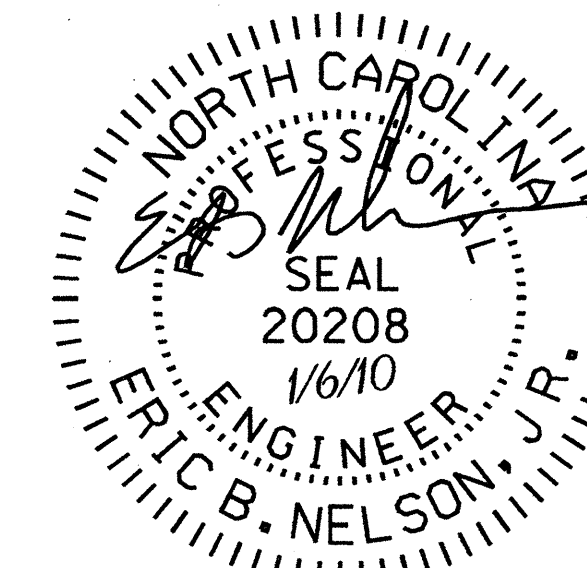
Prepared in the Office of:
BRIDGE MANAGEMENT UNIT
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2006 STANDARD SPECIFICATIONS

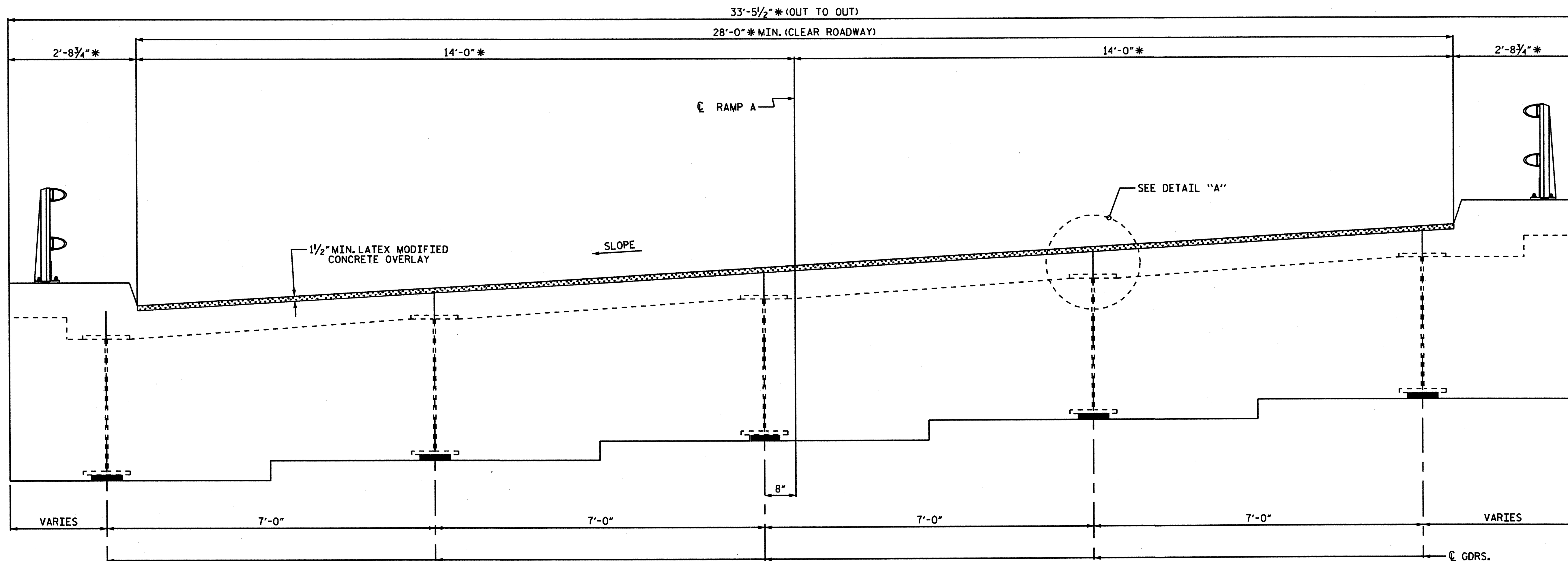
LETTING DATE:
MAY 18, 2010

DAN HOLDERMAN, PE
STATE BRIDGE
MANAGEMENT ENGINEER

MIKE SUMMERS
BRIDGE MANAGEMENT
PROJECT MANAGER



RICK NELSON, PE
DESIGN ENGINEER



TYPICAL SECTION @ END BENT No. 1

SHOWING END BENT DIAPHRAGM

* RADIAL DIMENSION

NOTES:

FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.

THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.

THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE, THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK, SEE "TYP. BLOW THRU" CONTAINMENT AND FORMWORK DETAIL.

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENTS 1 & 2 AND BENTS 1. THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 3/16" FOR BENT No. 2. FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.

LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH.

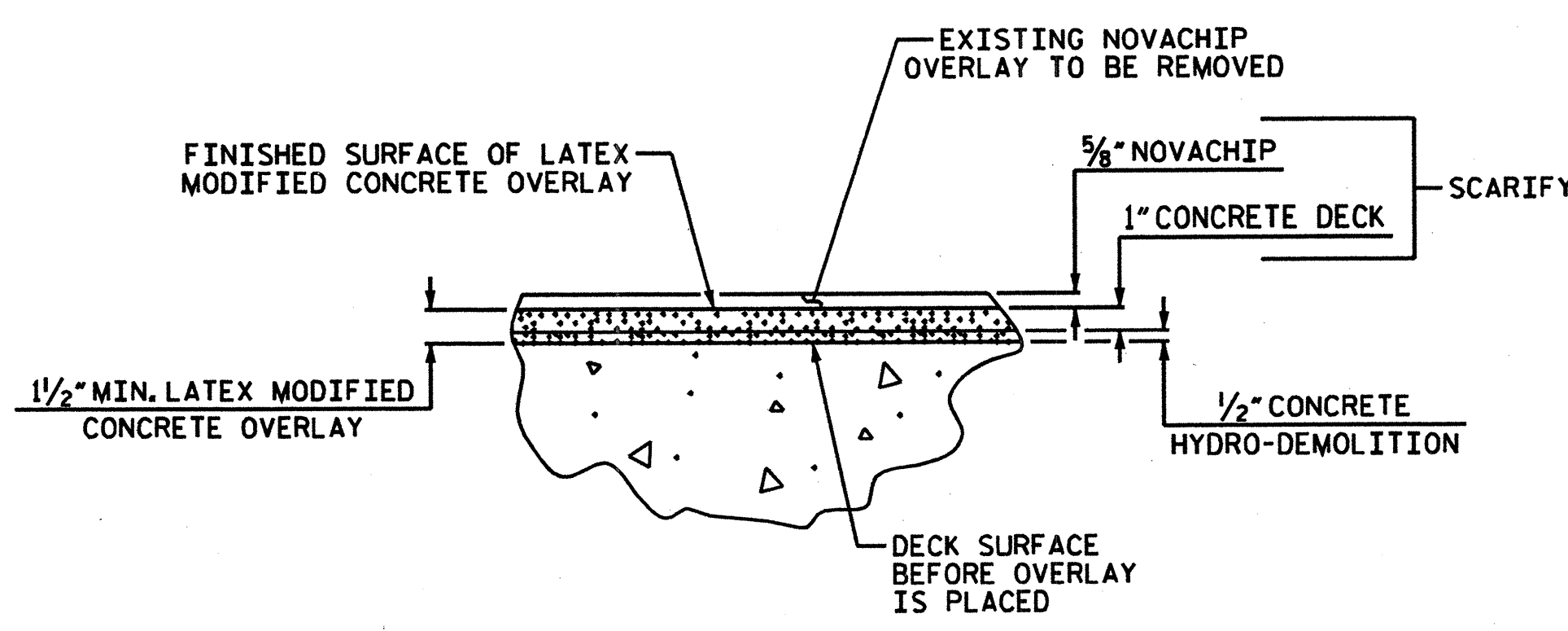
FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.

FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.

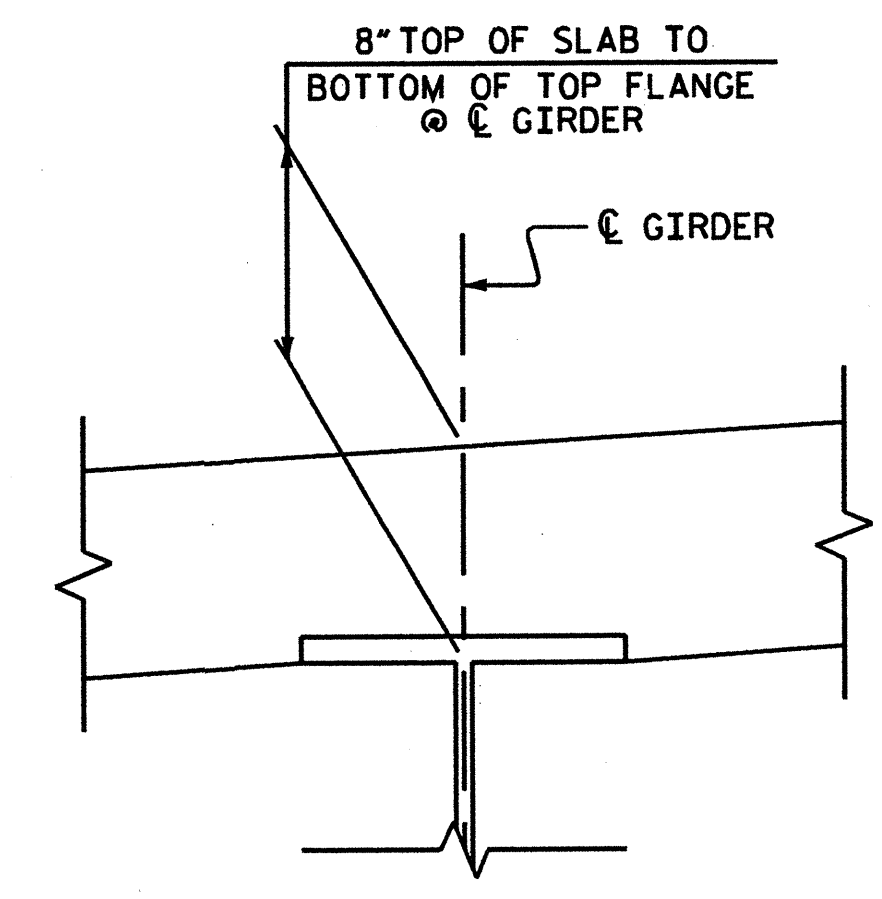
FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CLARITY 5/8" NOVACHIP OVERLAY NOT SHOWN



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY



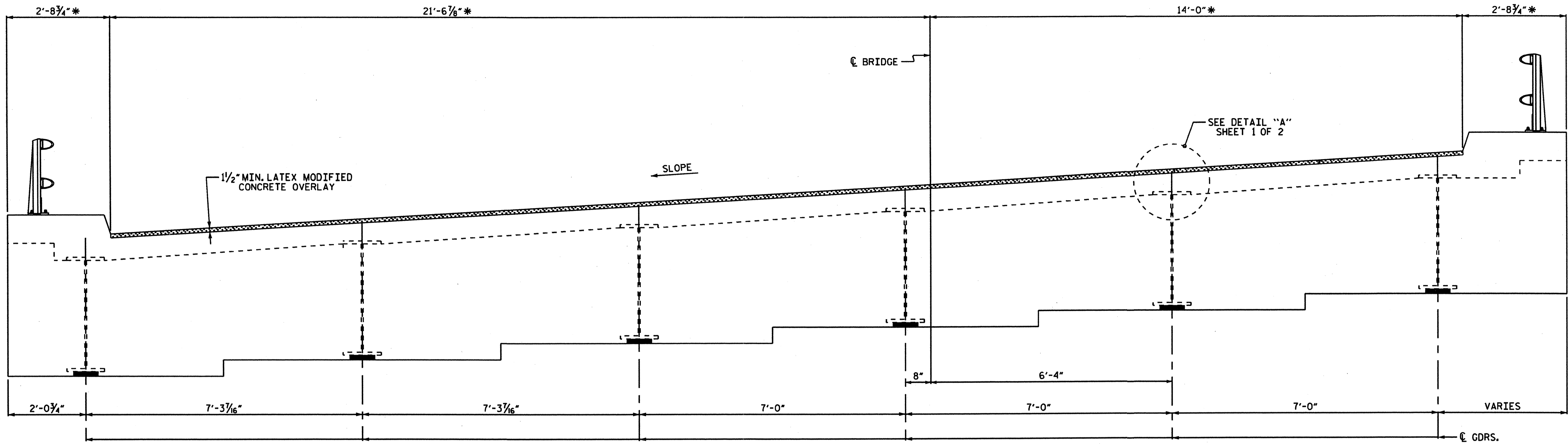
DETAIL "A"

PROJECT NO. B-5179C
BUNCOMBE COUNTY
 STATION: _____
 SHEET 1 OF 2

STATE OF NORTH CAROLINA						SHEET NO.
DEPARTMENT OF TRANSPORTATION						S-1
RALEIGH						TOTAL SHEETS
TYPICAL SECTION						49
DECK REHAB. FOR BRIDGE No. 1						
REVISIONS						
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

DRAWN BY : T. BANKOVICH DATE : 10-2009
 CHECKED BY : T. KOCH DATE : 11-2009

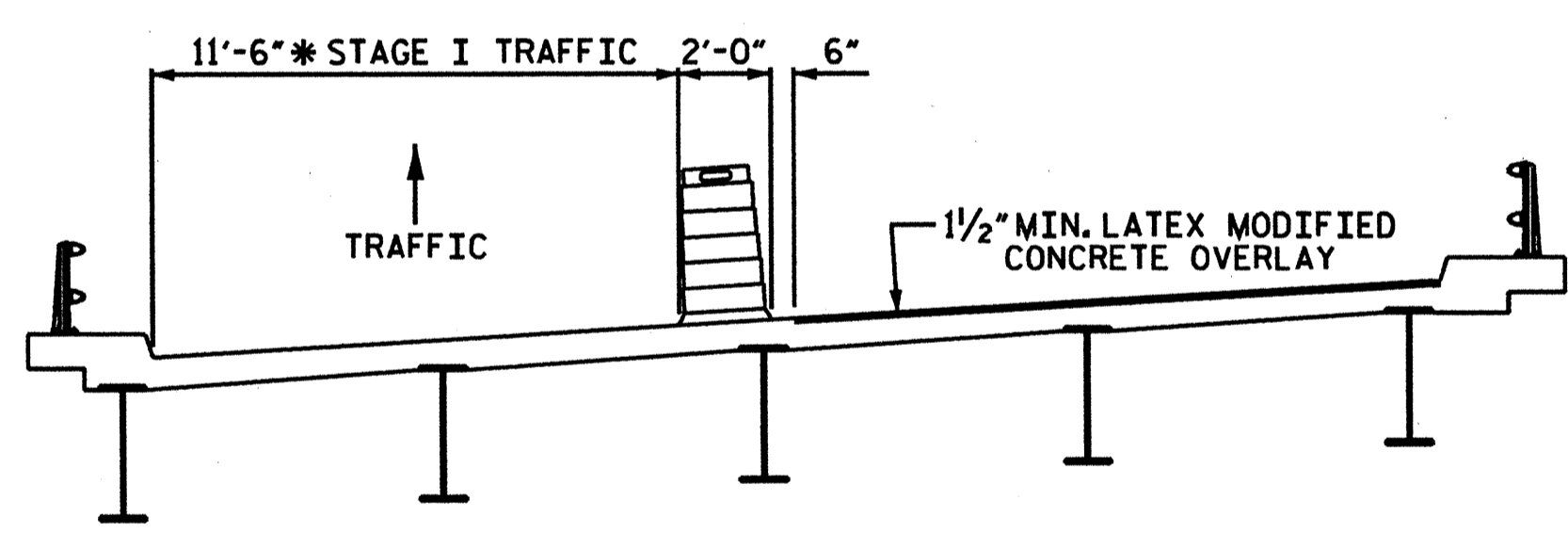
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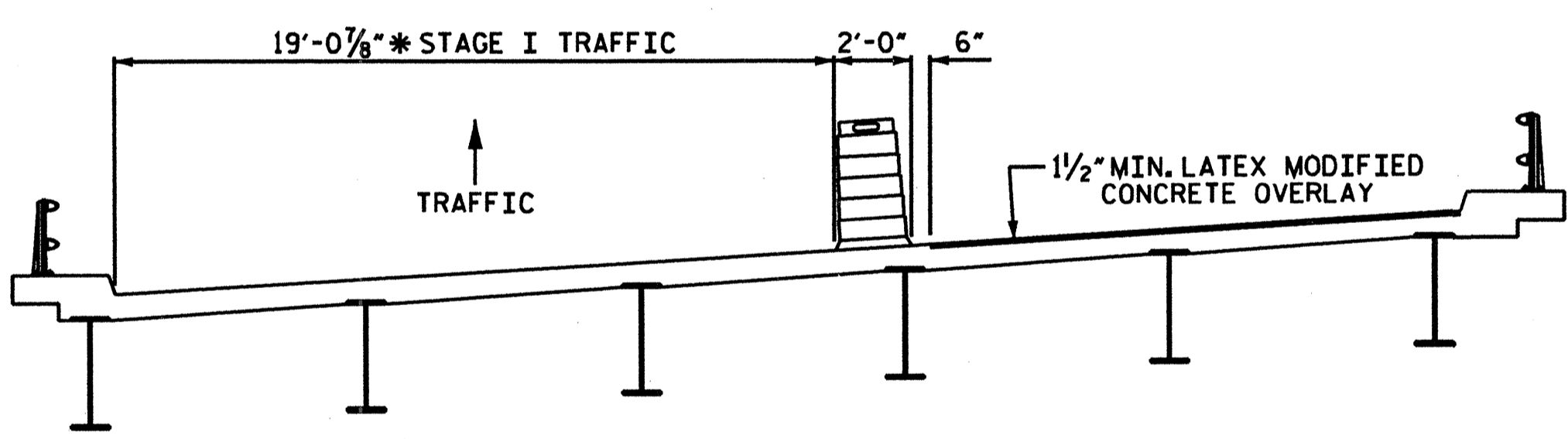
TYPICAL SECTION @ END BENT No. 2
SHOWING END BENT DIAPHRAGM

* RADIAL DIMENSION

NOTE
FOR CLARITY 5/8\"/>



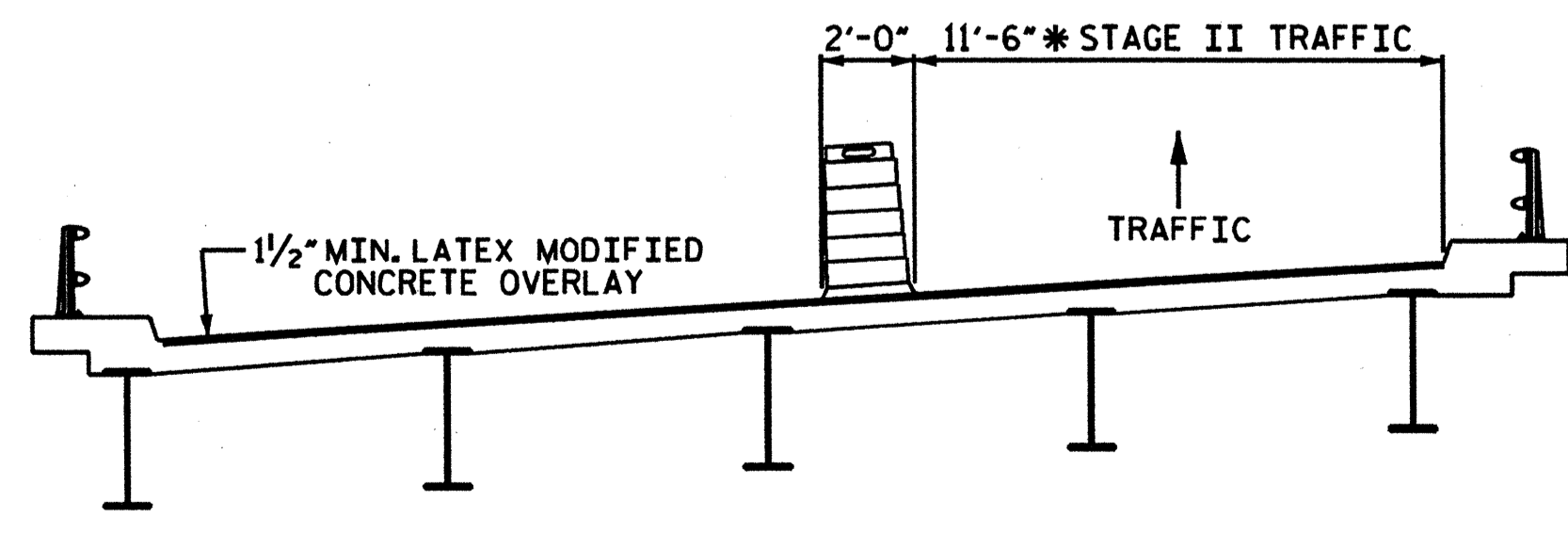
AT END BENT No. 1



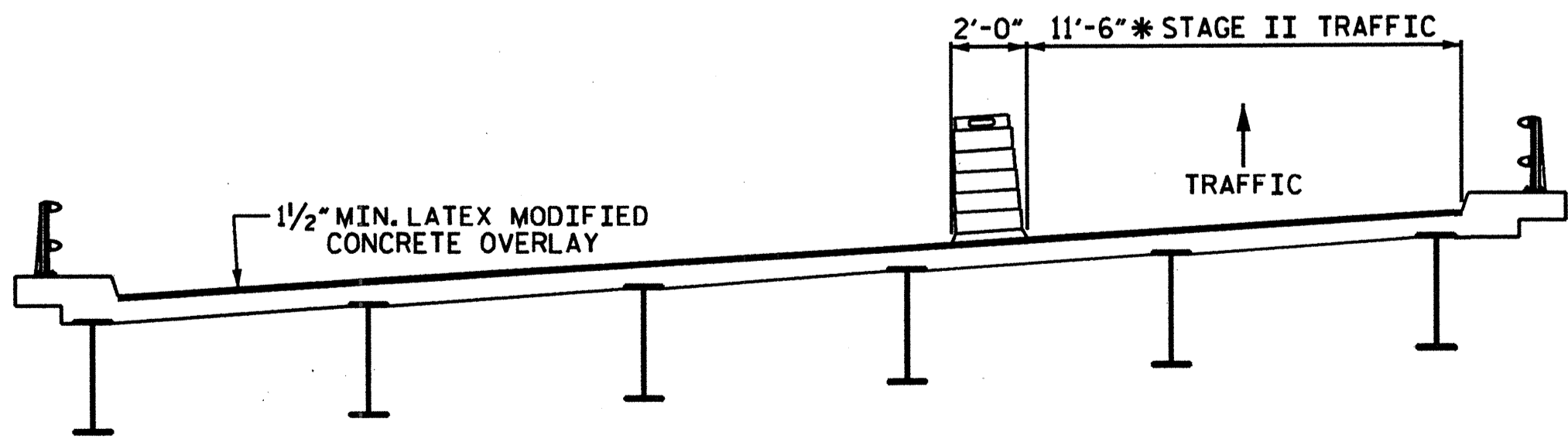
AT END BENT No. 2

STAGE I CONSTRUCTION

* RADIAL DIMENSION



AT END BENT No. 1



AT END BENT No. 2

STAGE II CONSTRUCTION

PROJECT NO. B-5179C
BUNCOMBE COUNTY

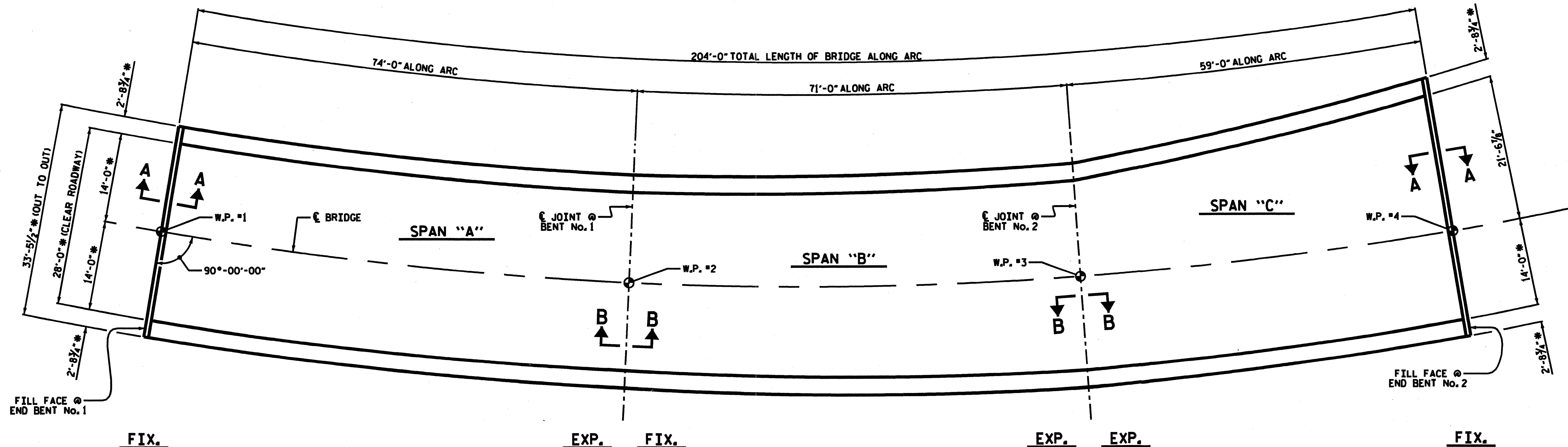
STATION: _____

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					SHEET NO. S-2
TYPICAL SECTION					TOTAL SHEETS 49
DECK REHAB. FOR BRIDGE NO. 1					
REVISIONS					
NO.	BYs	DATEs	NO.	BYs	DATEs
1			3		
2			4		

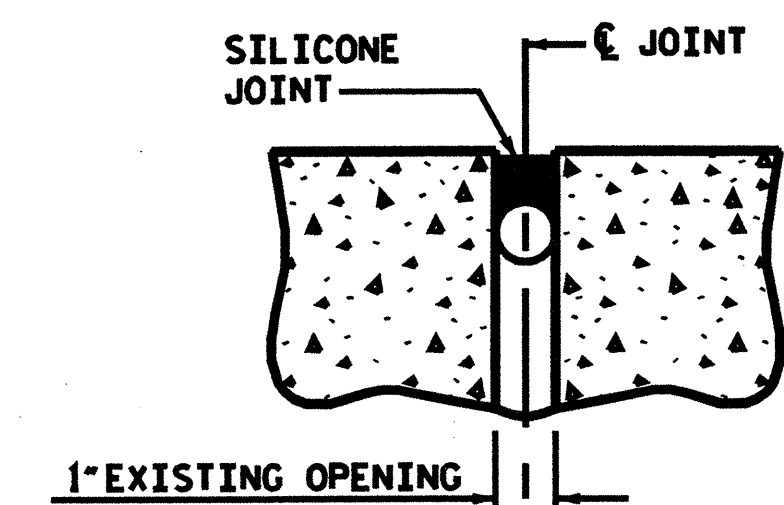
DRAWN BY : T. BANKOVICH DATE : 10-2009
CHECKED BY : T. KOCH DATE : 11-2009

*****SYTIME*****
*****DGN*****
*****USERNAME*****



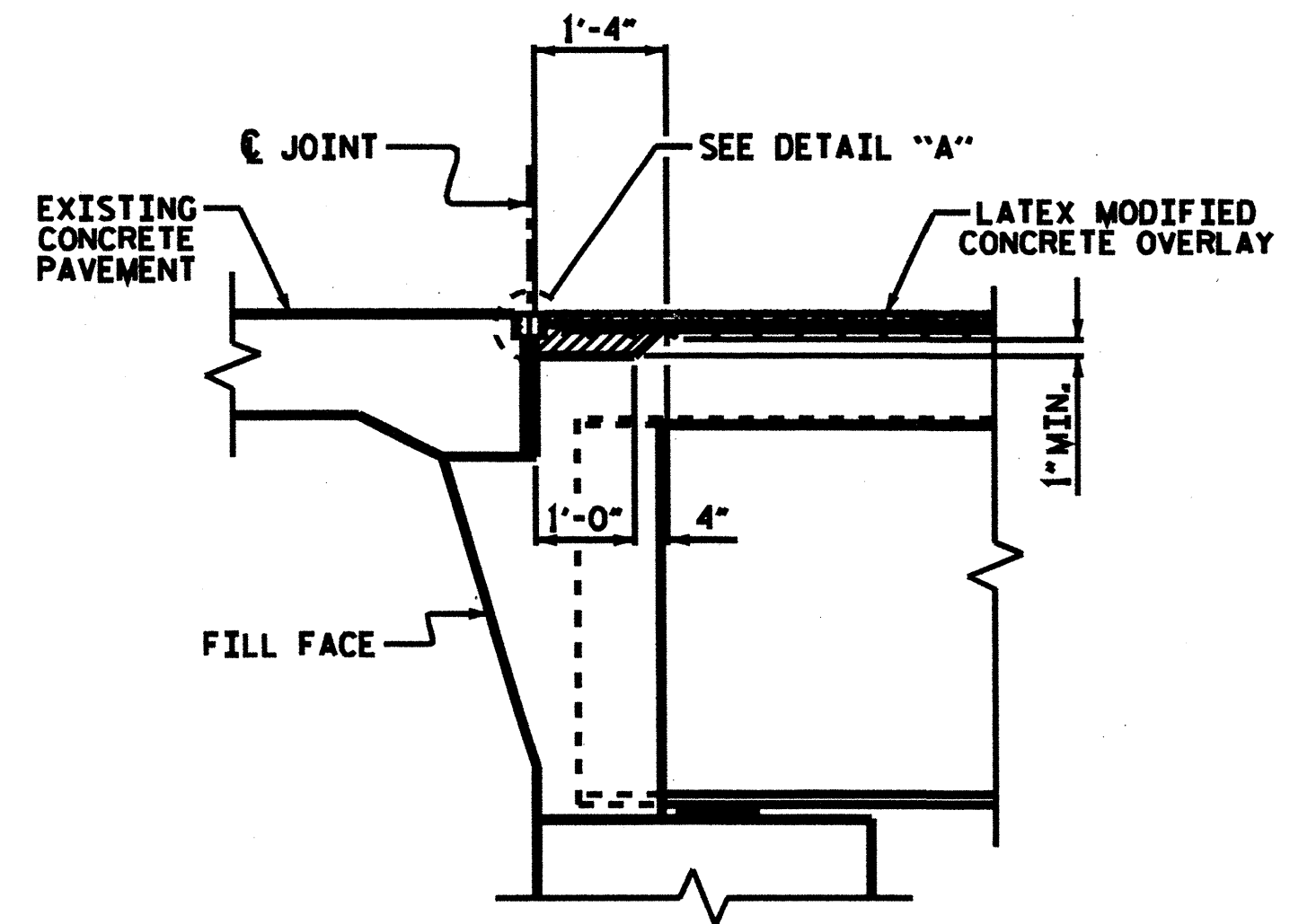
PLAN OF SPANS

* RADIAL DIMENSION



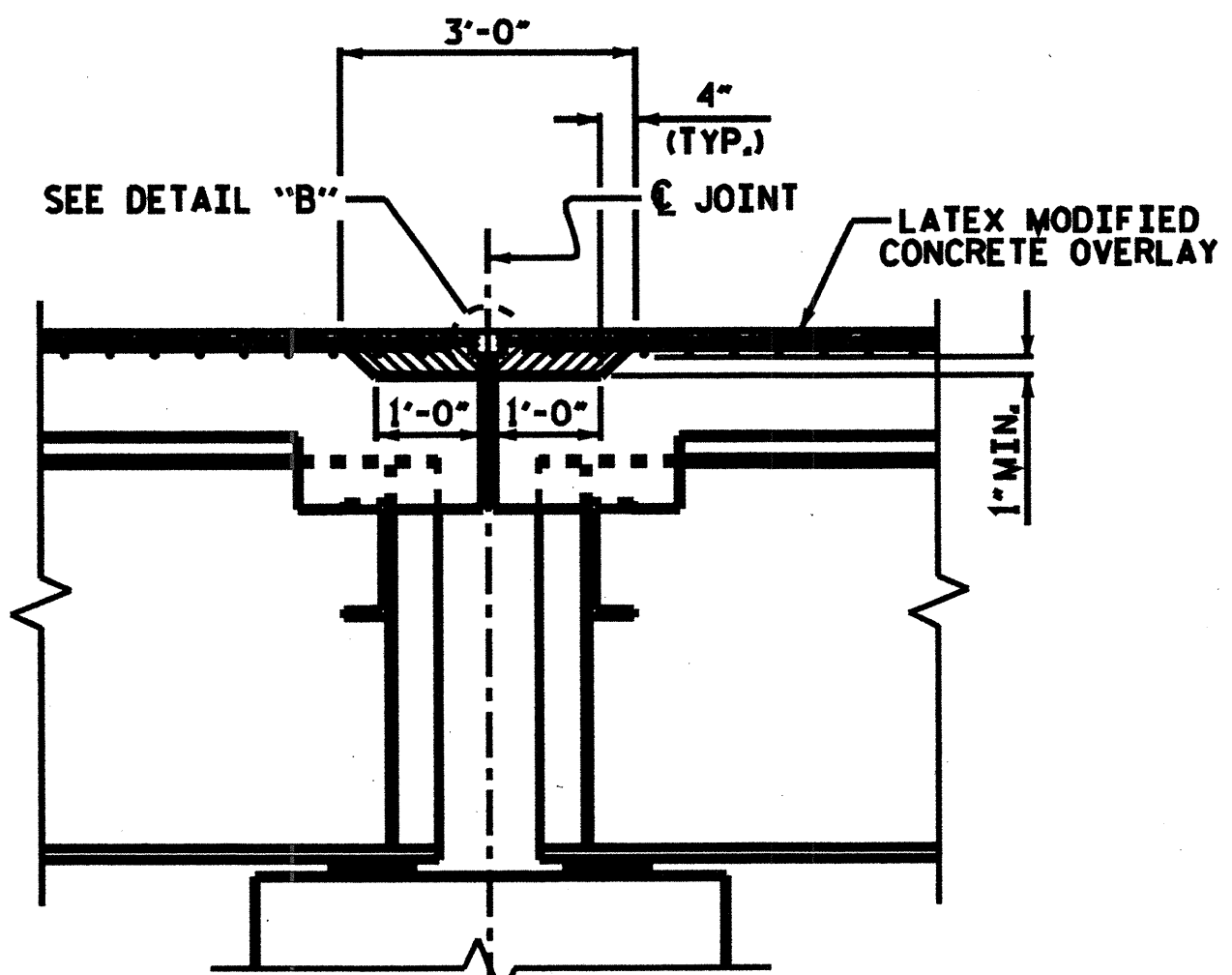
EXISTING SILICONE JOINT DETAIL @ END BENTS & BENTS

TO BE REMOVED



SECTION A-A

PROPOSED JOINT REPLACEMENT DETAIL



SECTION B-B

PROPOSED JOINT REPLACEMENT DETAIL

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

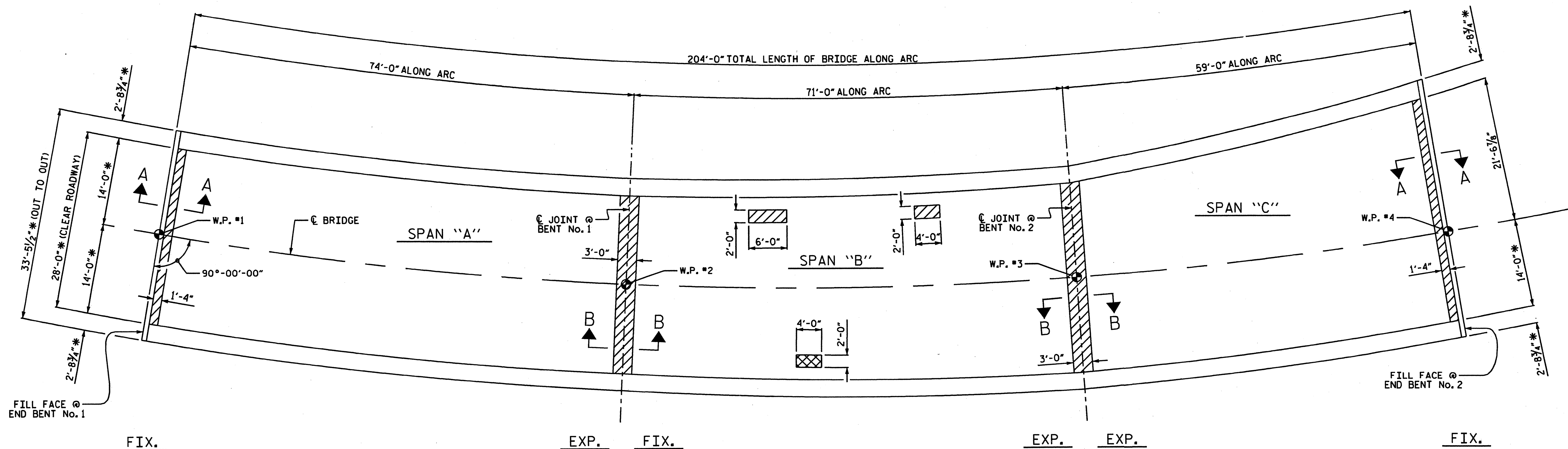
PLAN OF SPANS FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 1

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-3
1			1			49
2			2			

DRAWN BY: T. BANKOVICH DATE: 11-2009
 CHECKED BY: T. KOCH DATE: 11-2009

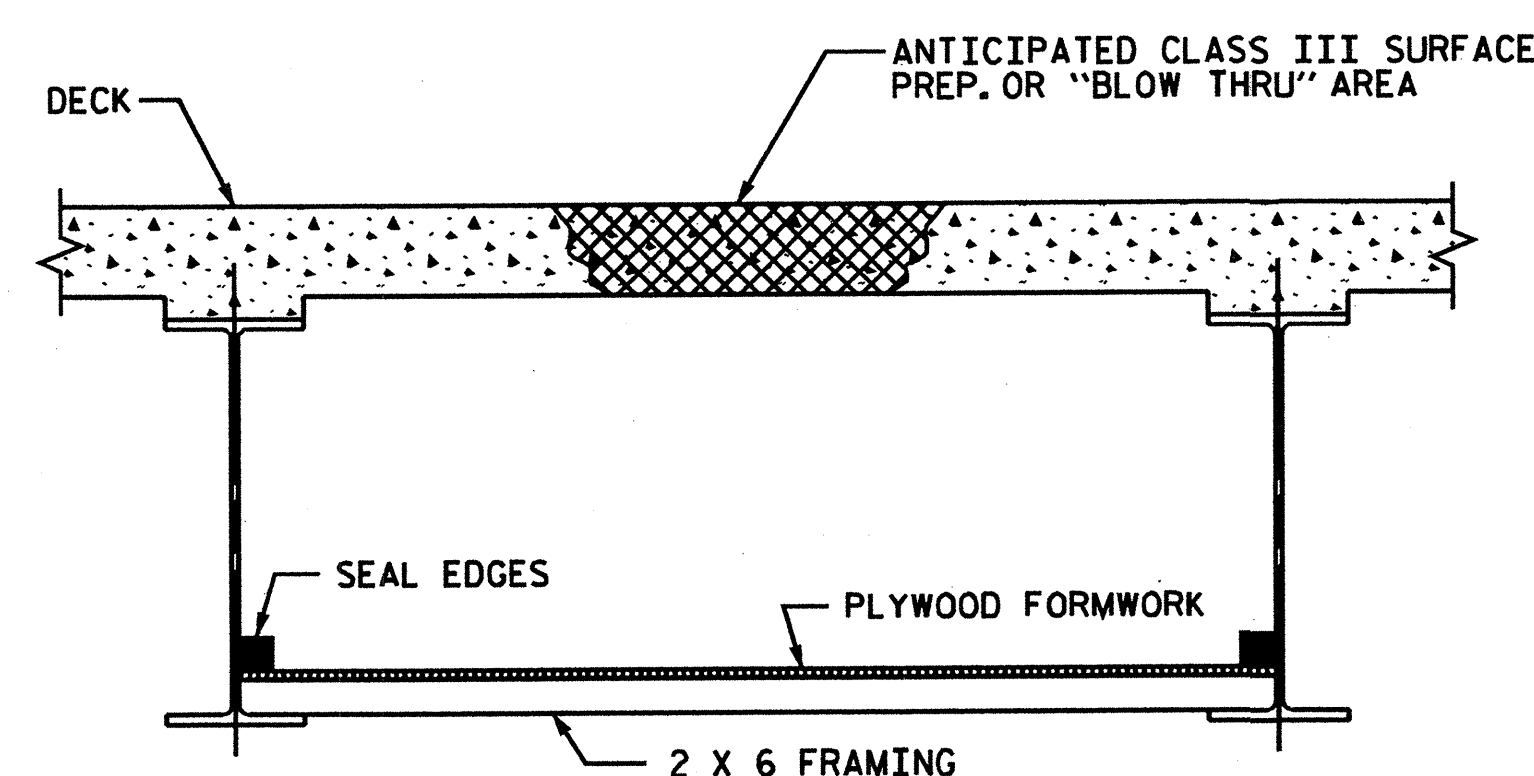
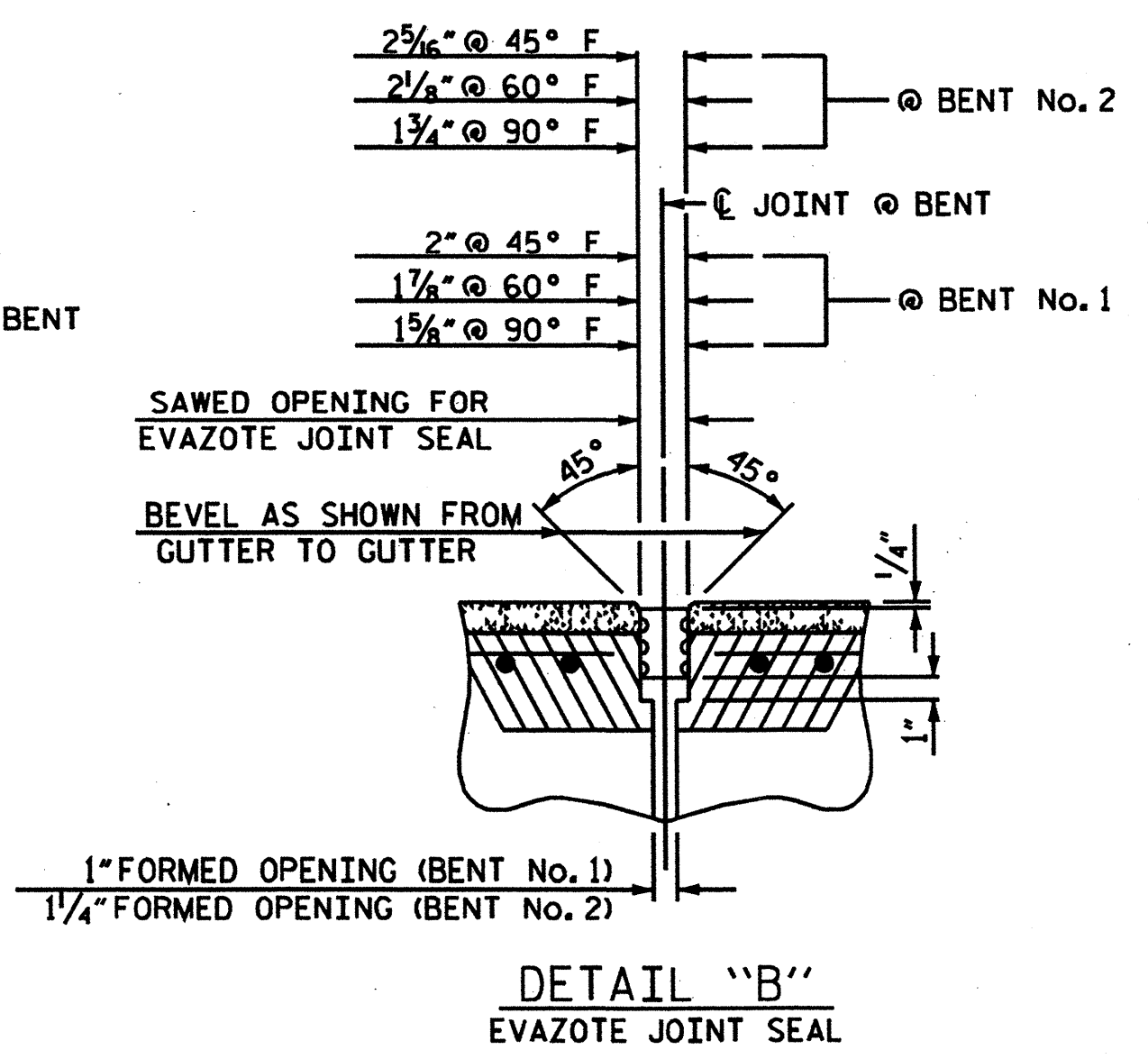
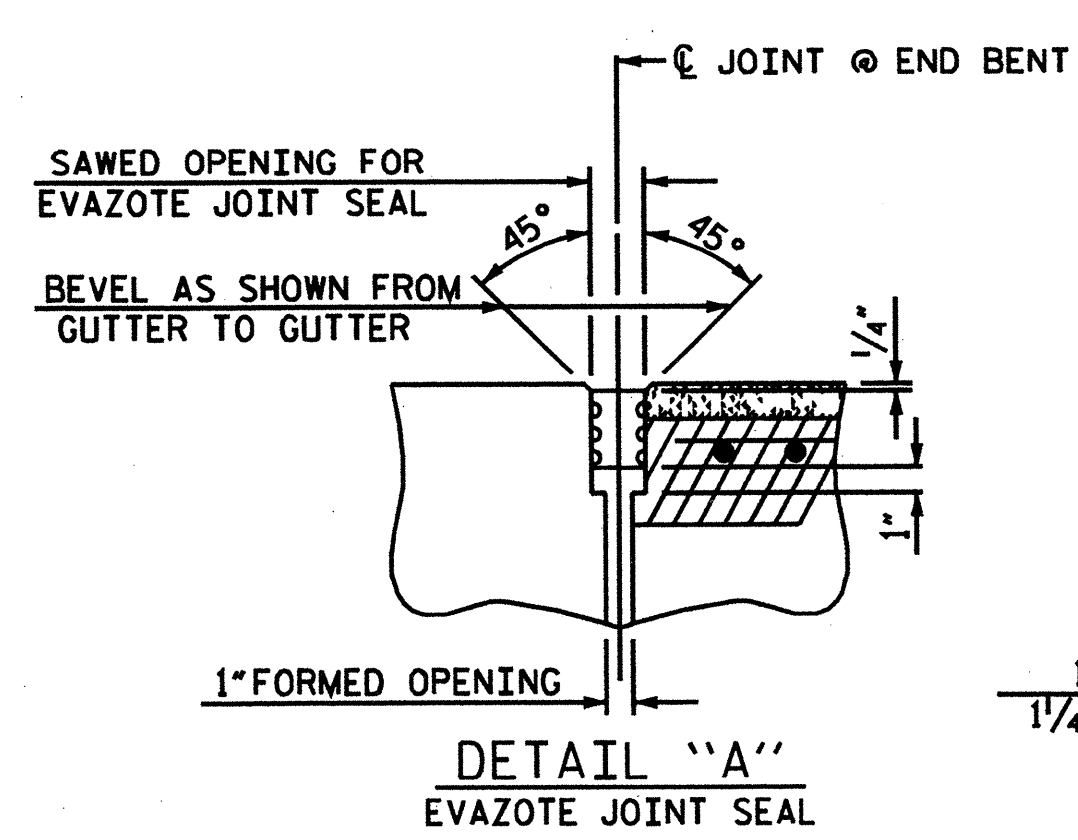
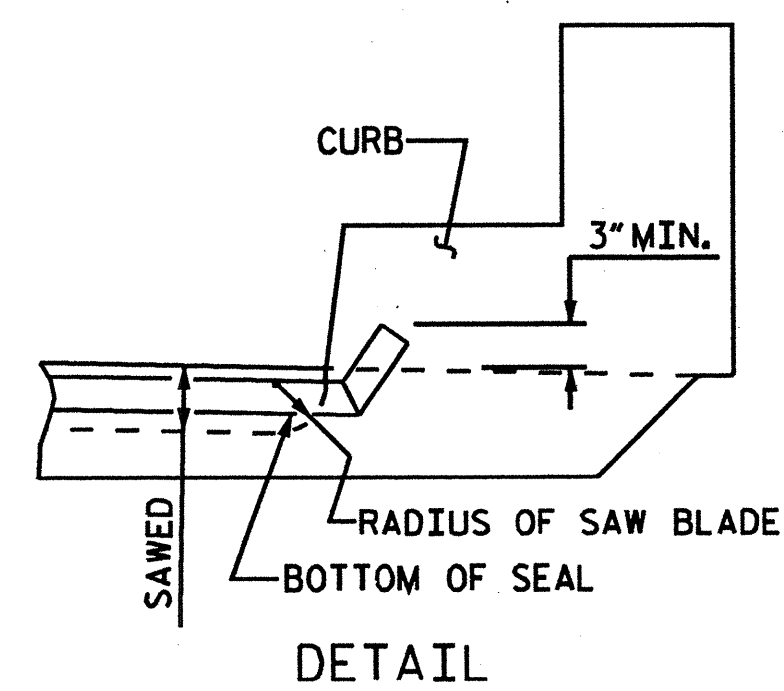
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PLAN OF SPANS - DECK REPAIRS

* RADIAL DIMENSION

- CLASS II SURFACE PREPARATION
- CLASS III SURFACE PREPARATION



TYP. "BLOW THRU" CONTAINMENT AND FORMWORK

A METHOD TO CAPTURE WATER AND DEBRIS FROM BLOW THRU DURING HYDRO-DEMOLITION SHALL BE INSTALLED IN AREAS INDICATED AS CLASS III SURFACE PREPARATION.

SUBMIT DETAILS OF PROPOSED FORMWORK FOR APPROVAL PRIOR TO BEGINNING WORK.

COSTS FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO THE PRICE PER SQ. YARD OF HYDRO-DEMOLITION.

TOTAL BILL OF MATERIAL

SCARIFYING BRIDGE DECK	CLASS I* SURFACE PREPARATION	CLASS II* SURFACE PREPARATION	CLASS III* SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	CLASS AA CONCRETE	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS	CU. YDS.	SO. YDS	LUMP SUM	SO. FT.
660	629.1	30	0.9	660	0.2	45.8	660	LUMP SUM	5252

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

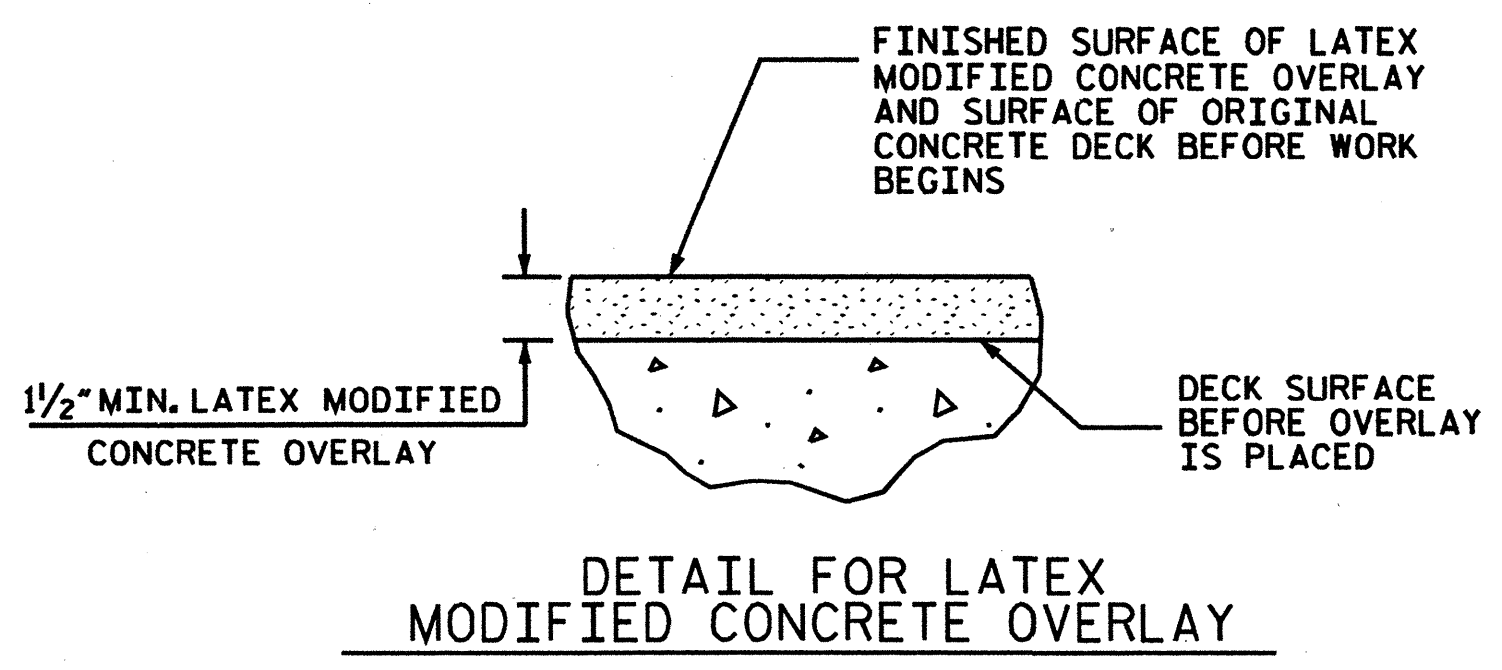
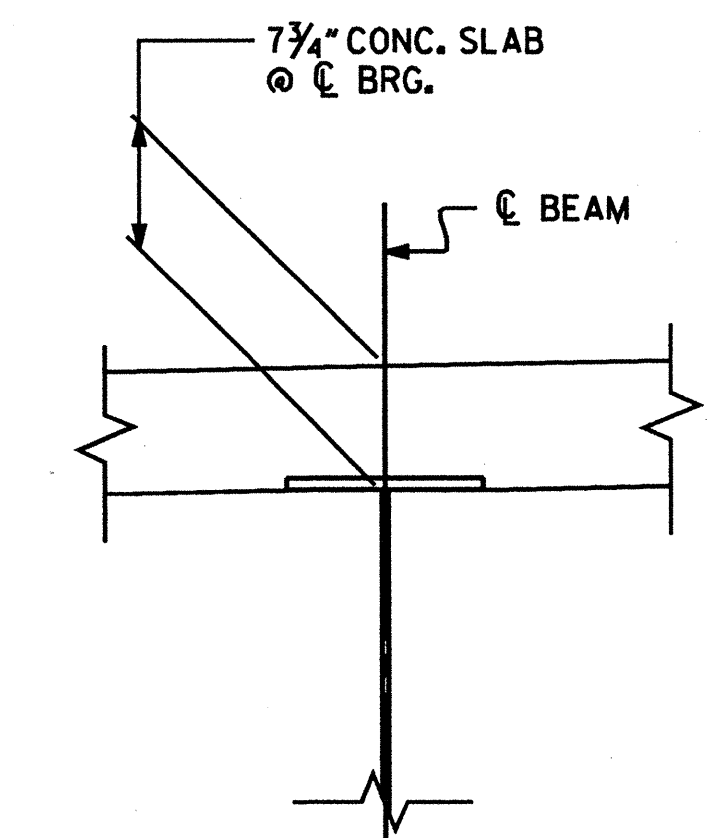
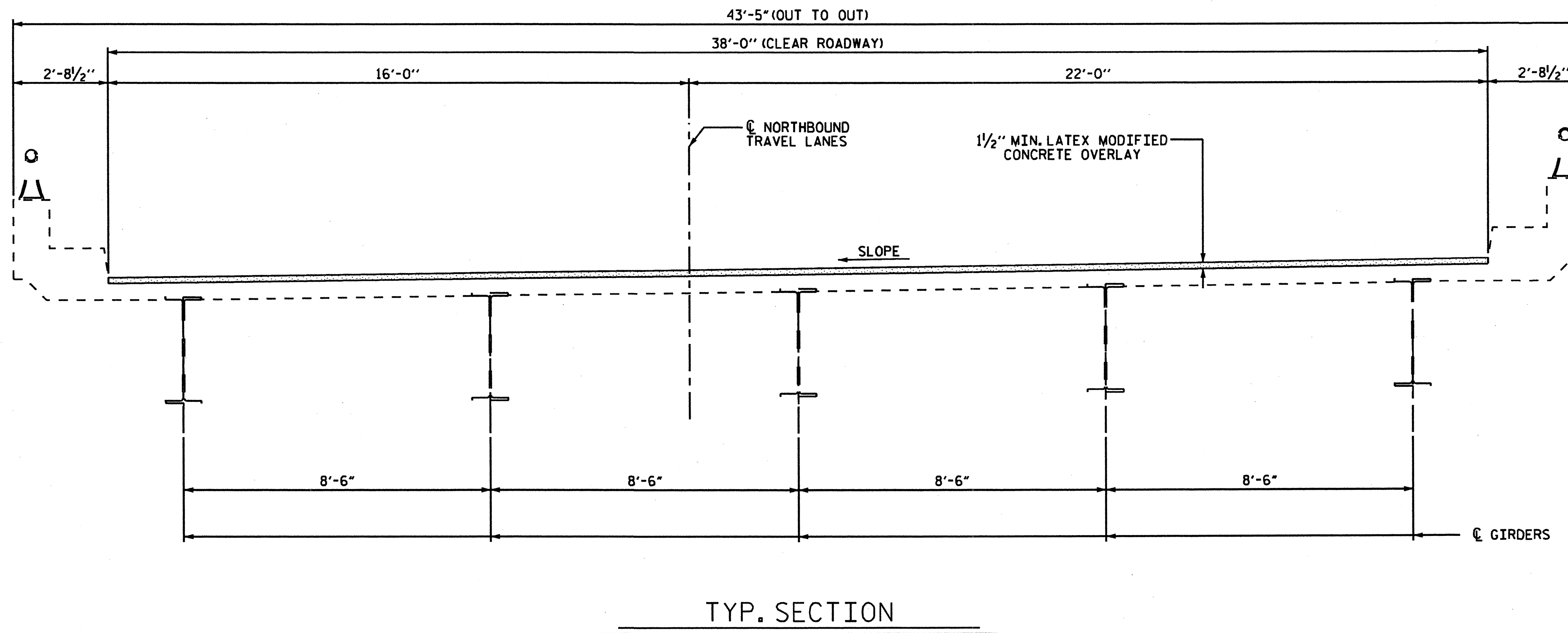
PLAN OF SPANS
 FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 1

REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	DATE	S-4
1			3		TOTAL SHEETS 49
2			4		

DRAWN BY: T. BANKOVICH DATE: 11-2009
 CHECKED BY: T. KOCH DATE: 11-2009

*****SYSTEM*****
 *****DGN*****
 *****USER*****



NOTES:

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE, THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK, SEE "TYP. "BLOW THRU" CONTAINMENT AND FORMWORK" DETAIL.
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- FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.
- LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH.
- FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPICAL SECTION

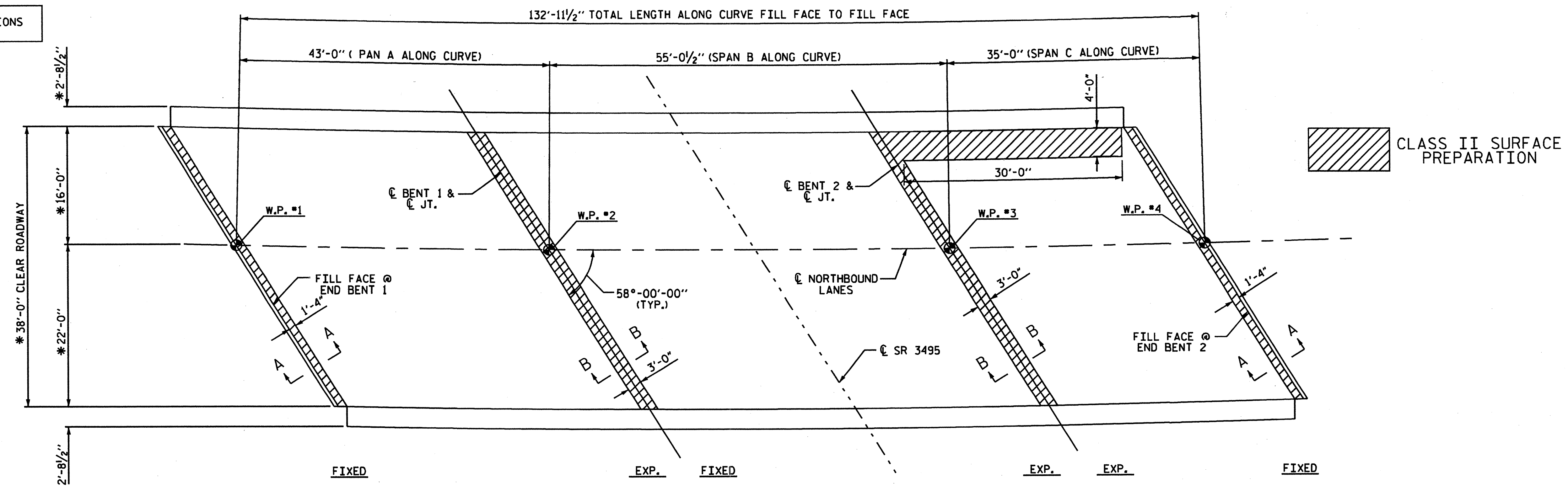
RIGHT LANE
NORTHBOUND
DECK REHAB. FOR BRIDGE NO. 68

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-5
1			3			TOTAL SHEETS 49
2			4			

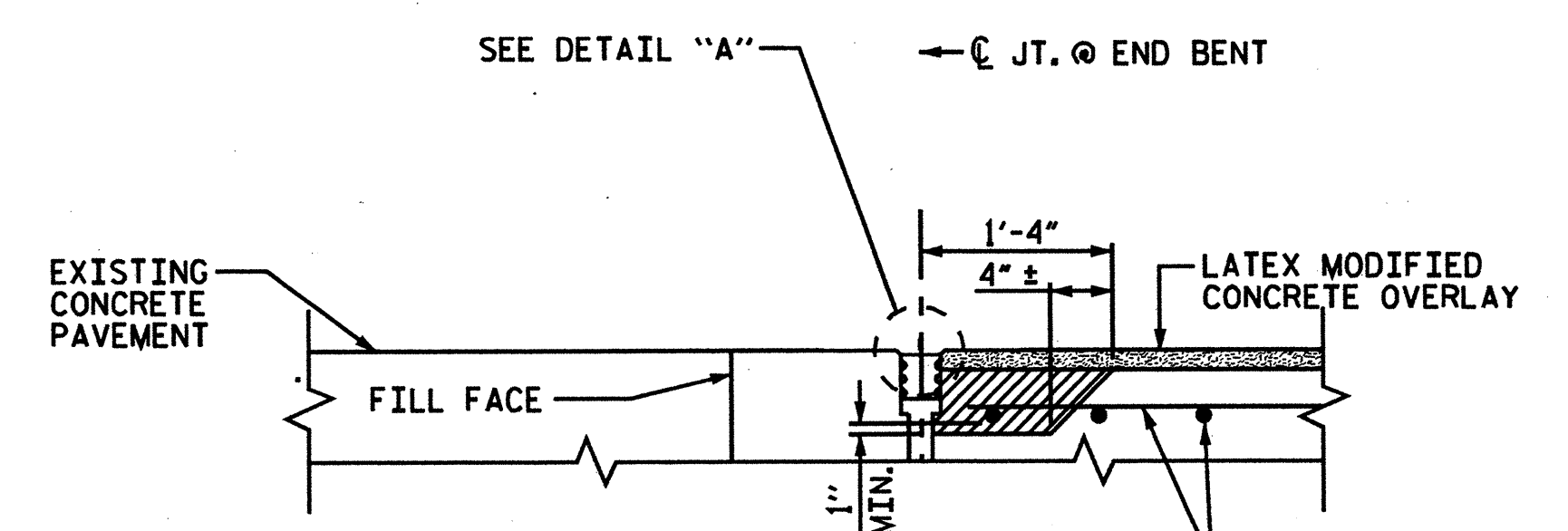
DRAWN BY : B. L. GREEN DATE : 11/09
CHECKED BY : B. C. HUNT DATE : 11/09

*****SYSTEM*****
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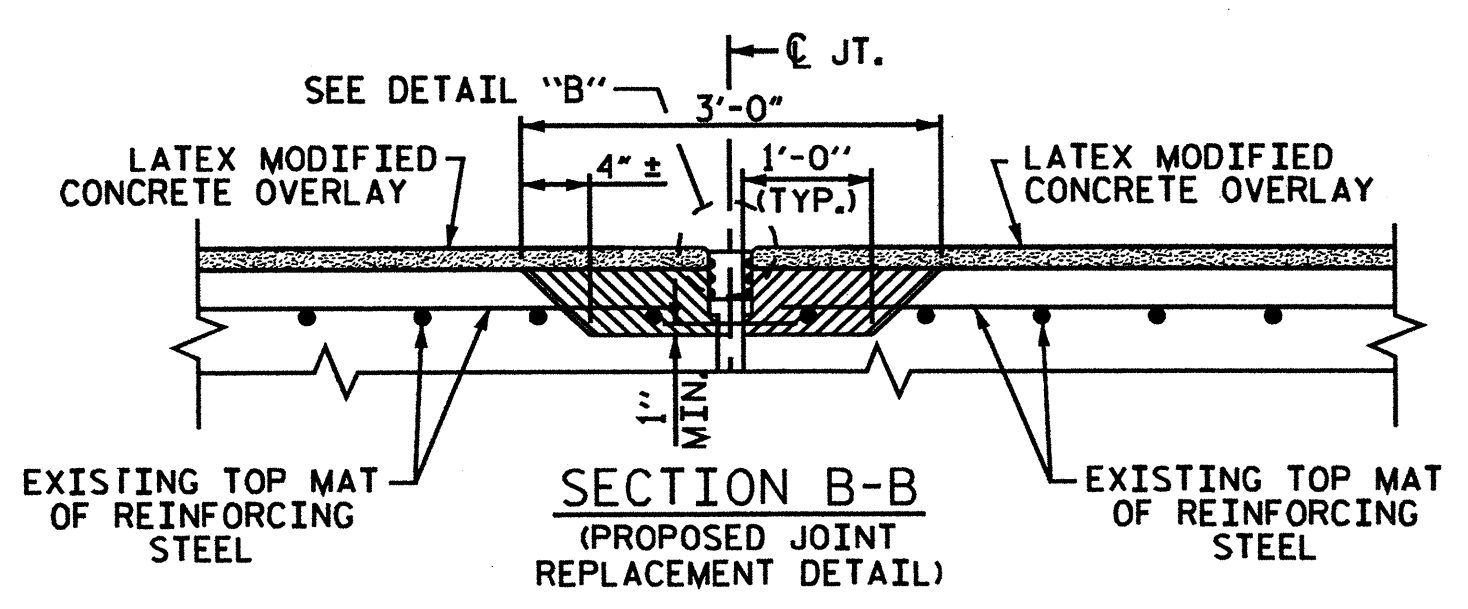
* RADIAL DIMENSIONS



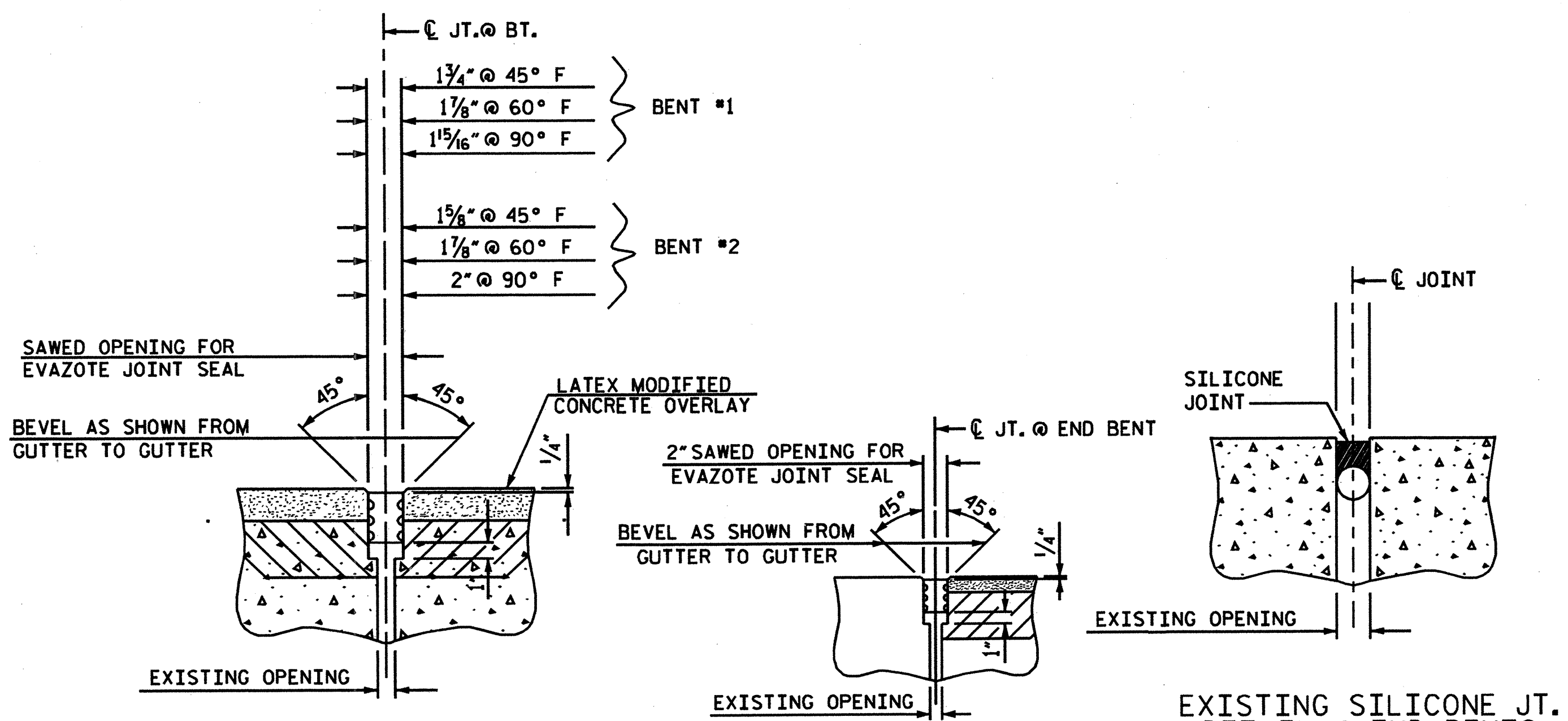
PLAN OF SPANS



SECTION A-A
(PROPOSED JOINT REPLACEMENT DETAIL)



SECTION B-B
(PROPOSED JOINT REPLACEMENT DETAIL)



DETAIL 'B'
(EVAZOTE JOINT SEAL EXPANSION)

DETAIL 'A'
(EVAZOTE JOINT SEAL (FIXED))

EVAZOTE JOINT SEAL DETAILS

TOTAL BILL OF MATERIAL

SCARIFYING BRIDGE DECK	CLASS I SURFACE PREPARATION	CLASS II SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.
562	505	57	562	39	562		4,620

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

DRAWN BY : B. L. GREEN DATE : 11/09
 CHECKED BY : B. C. HUNT DATE : 11/09

PROJECT NO. B-5179C
 BUNCOMBE COUNTY

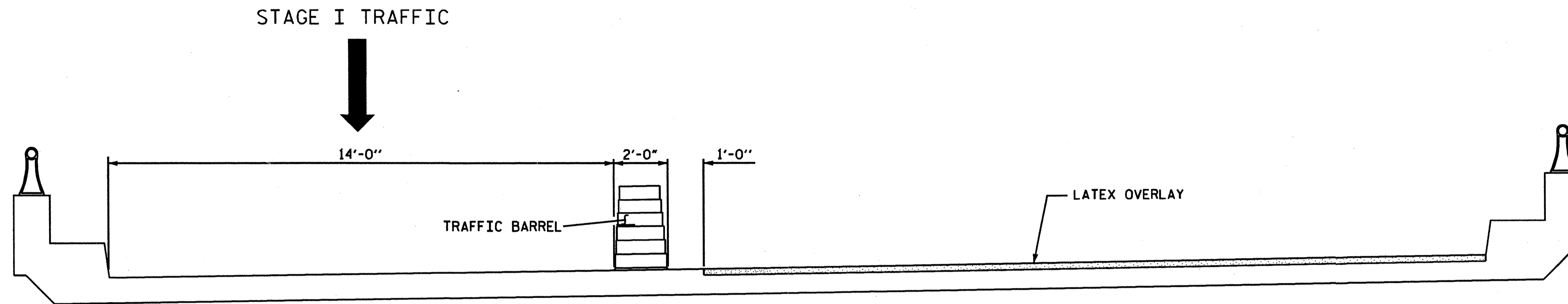
STATION: _____
 SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 PLAN OF SPANS
 FOR DECK REPAIR

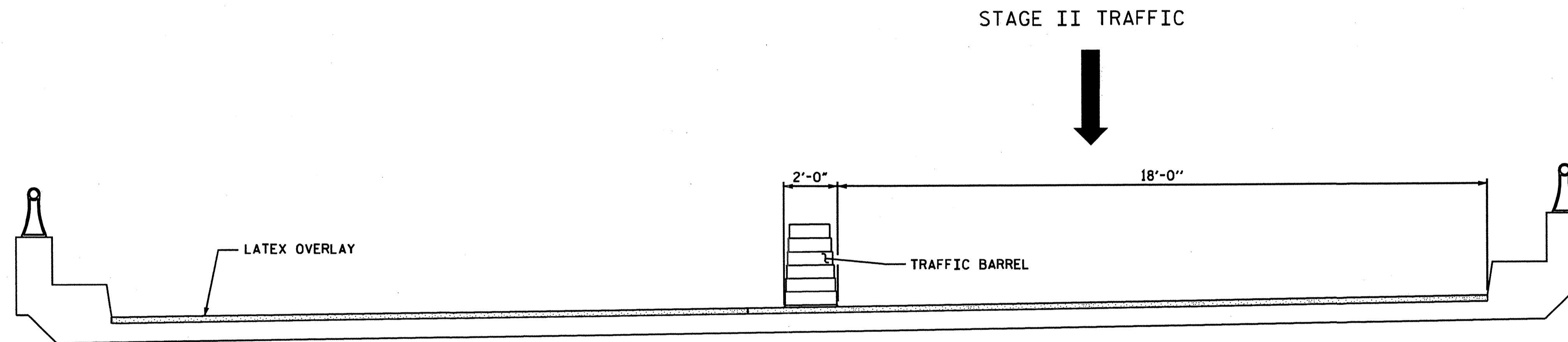
DECK REHAB. FOR BRIDGE NO. 68

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-6
1			3			TOTAL SHEETS 49
2			4			

*****SYSTEM*****
 *****DCN*****
 *****USERNAME*****



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

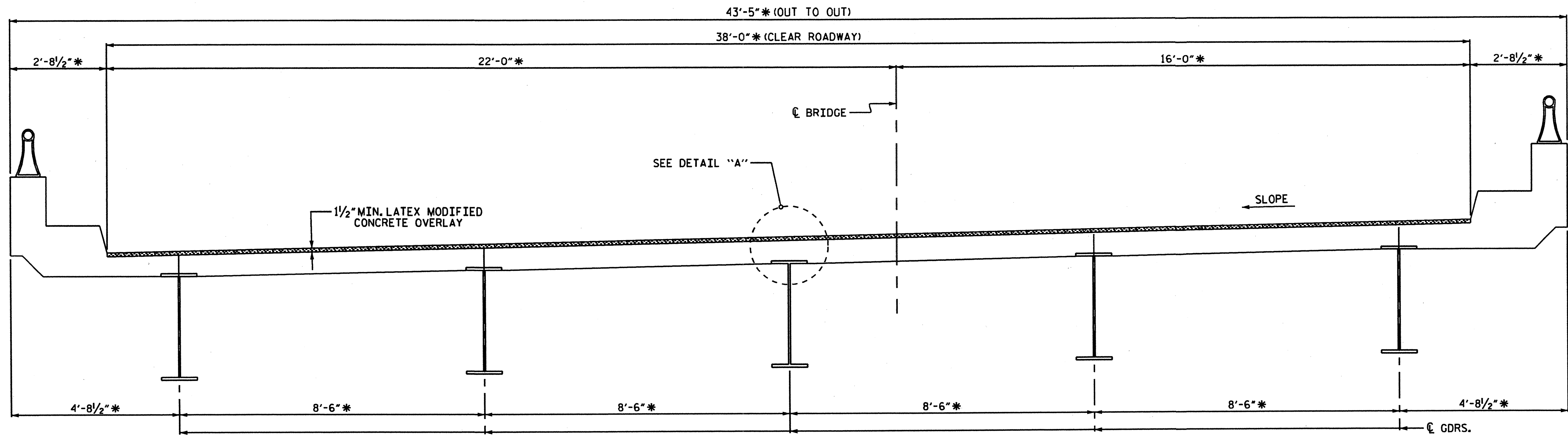
CONSTRUCTION
 SEQUENCE

DECK REHAB. FOR BRIDGE NO. 68

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-7
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : B. L. GREEN DATE : 11/09
 CHECKED BY : B. C. HUNT DATE : 11/09

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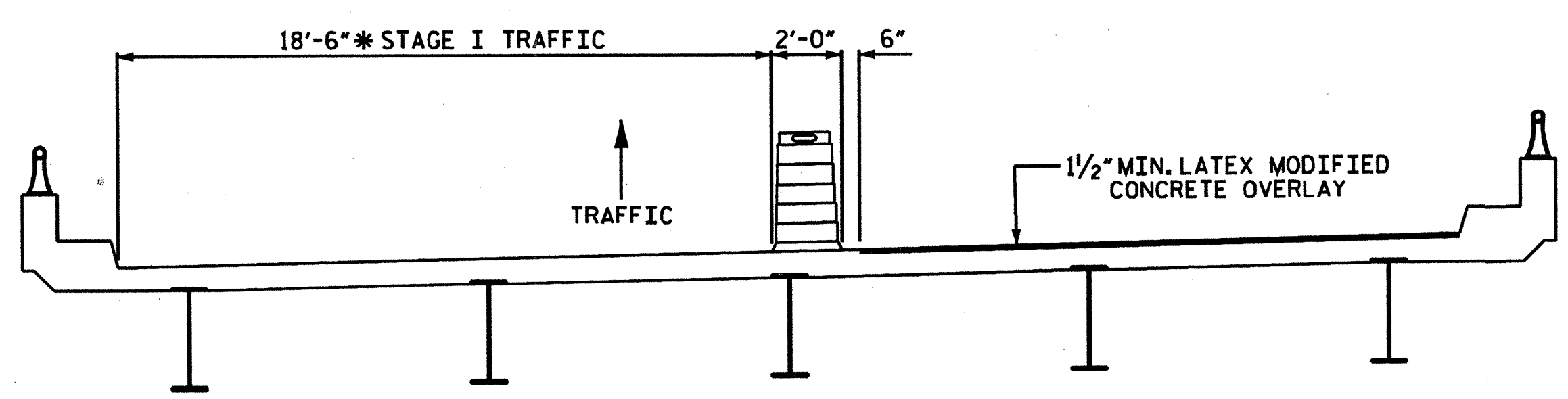


TYPICAL SECTION

* RADIAL DIMENSION

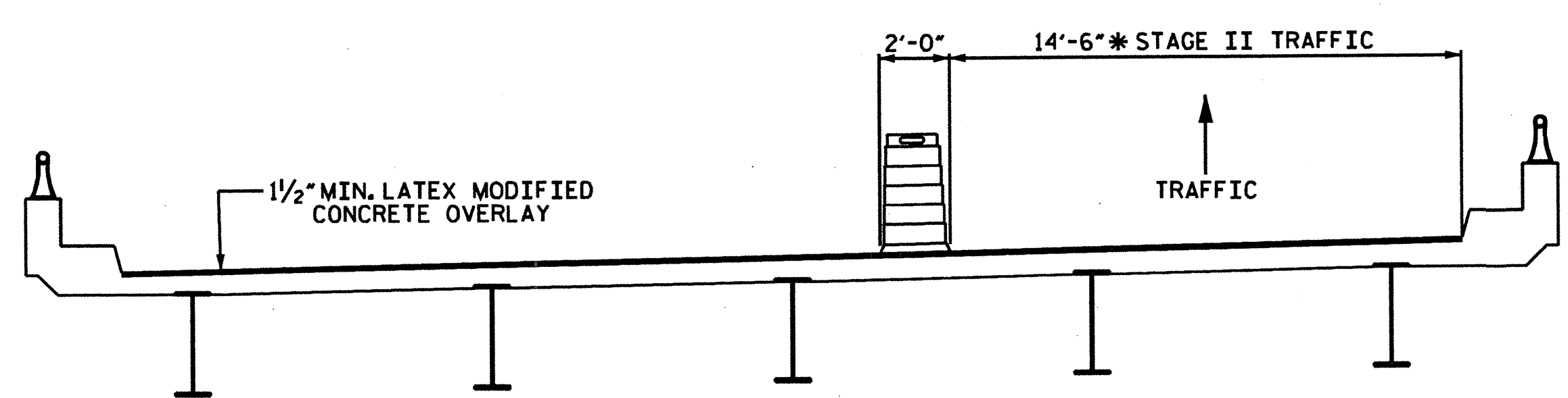
NOTES:

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
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- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

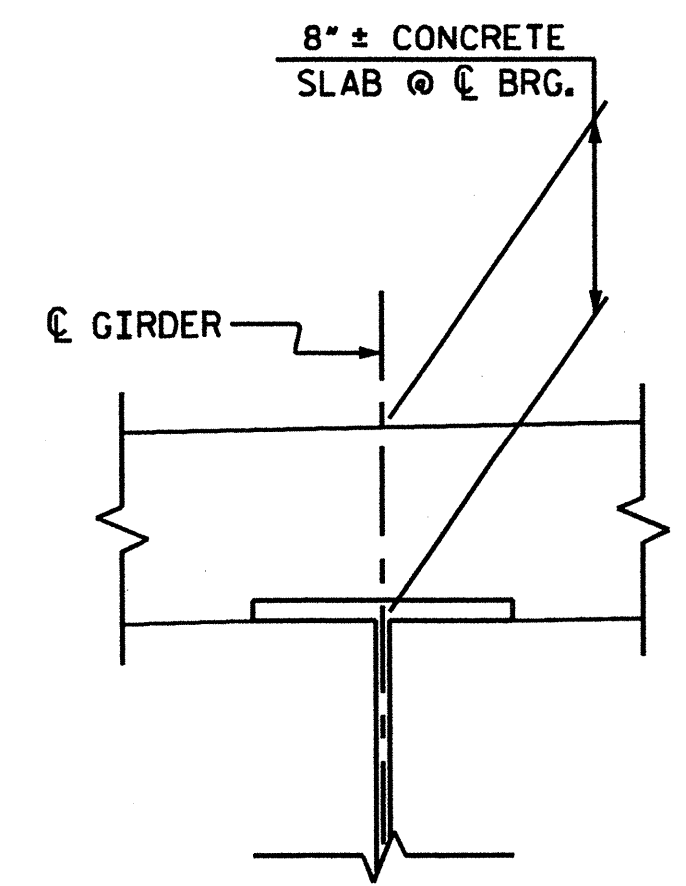


STAGE I CONSTRUCTION

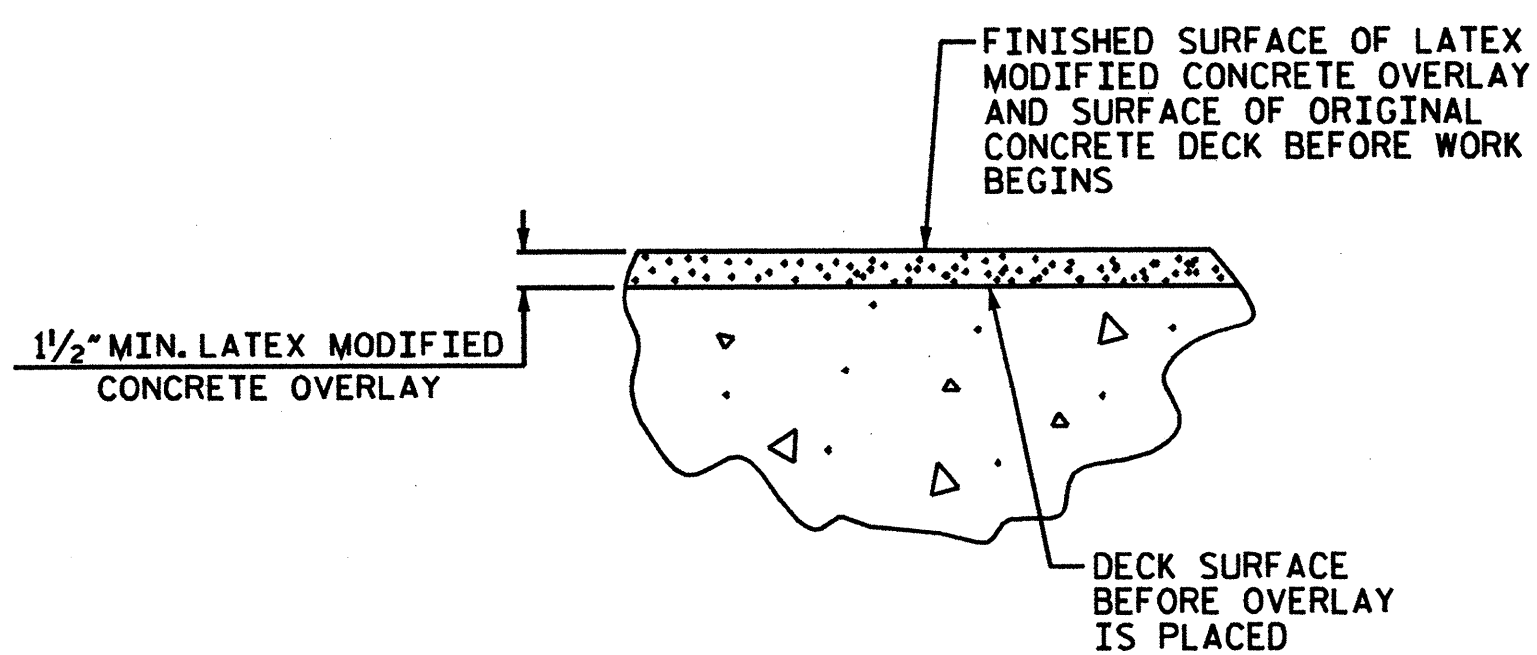
* RADIAL DIMENSION



STAGE II CONSTRUCTION



DETAIL "A"



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

PROJECT NO. B-5179C
BUNCOMBE COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

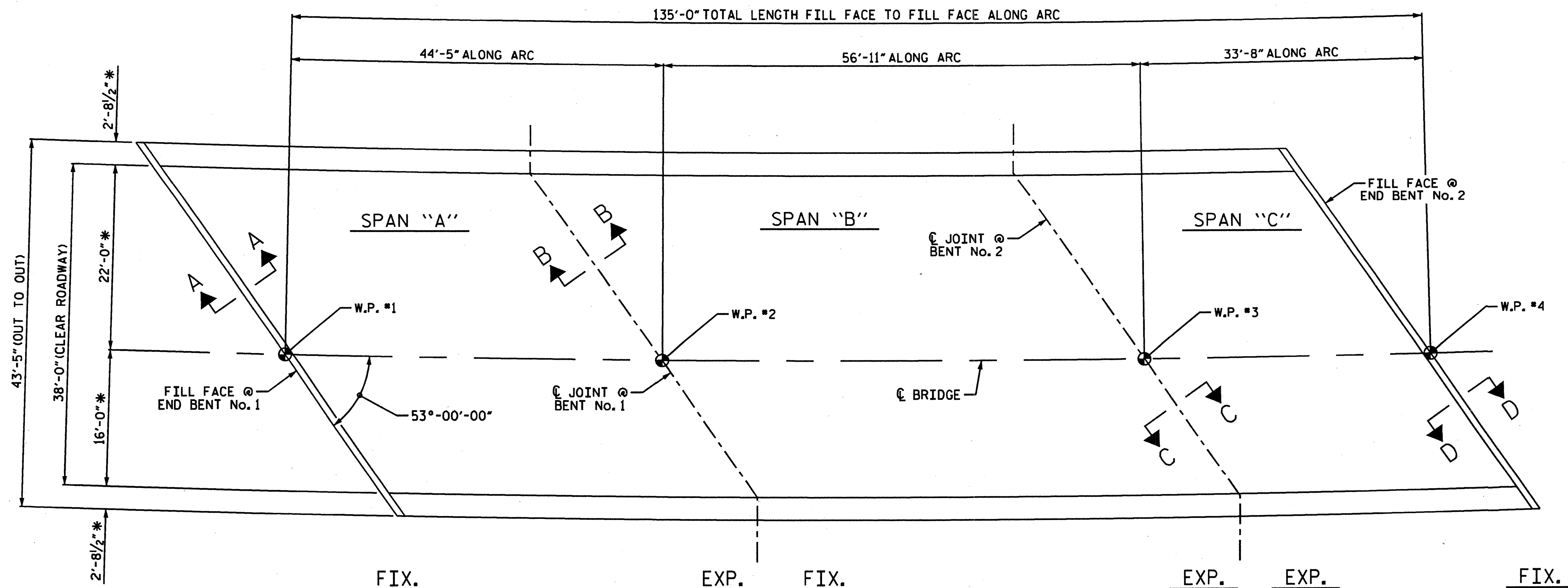
TYPICAL SECTION

DECK REHAB. FOR BRIDGE No. 69

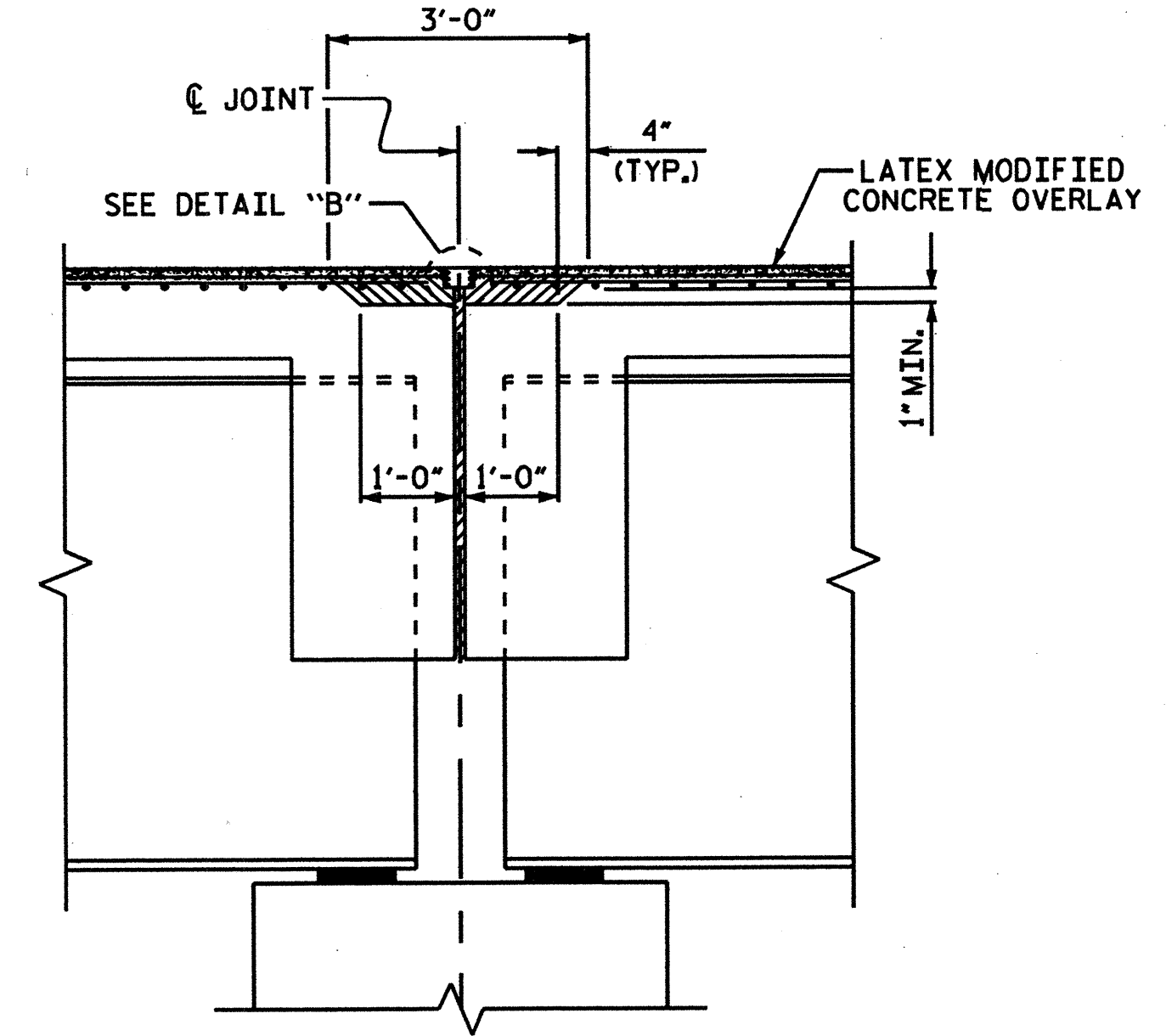
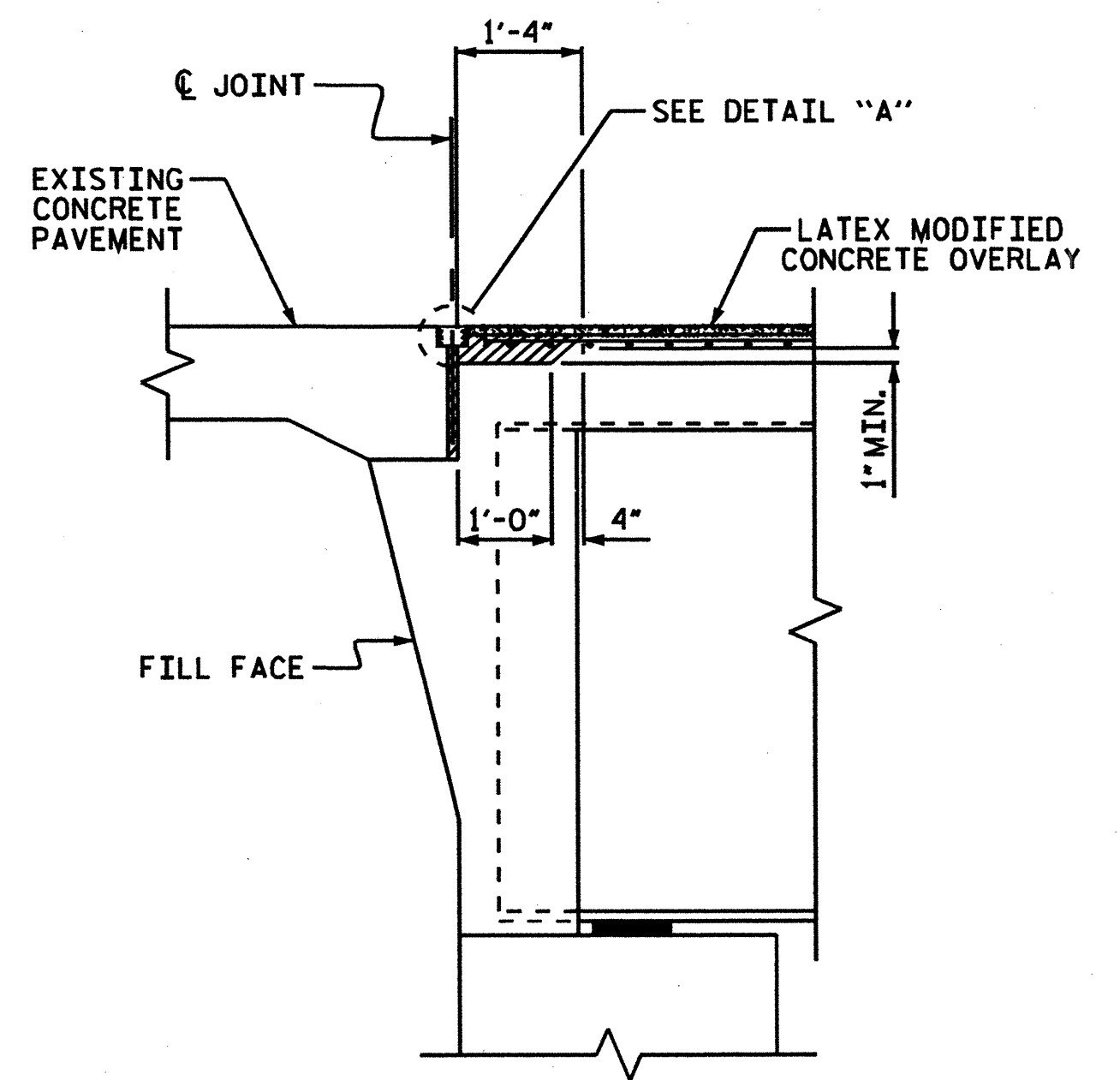
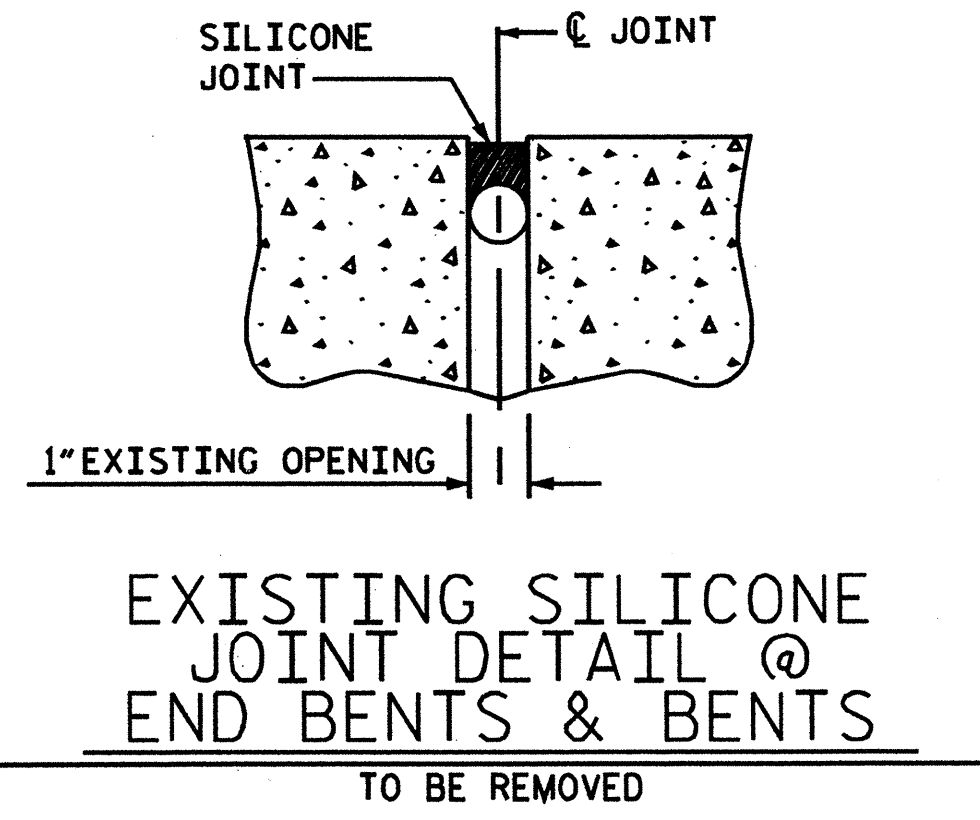
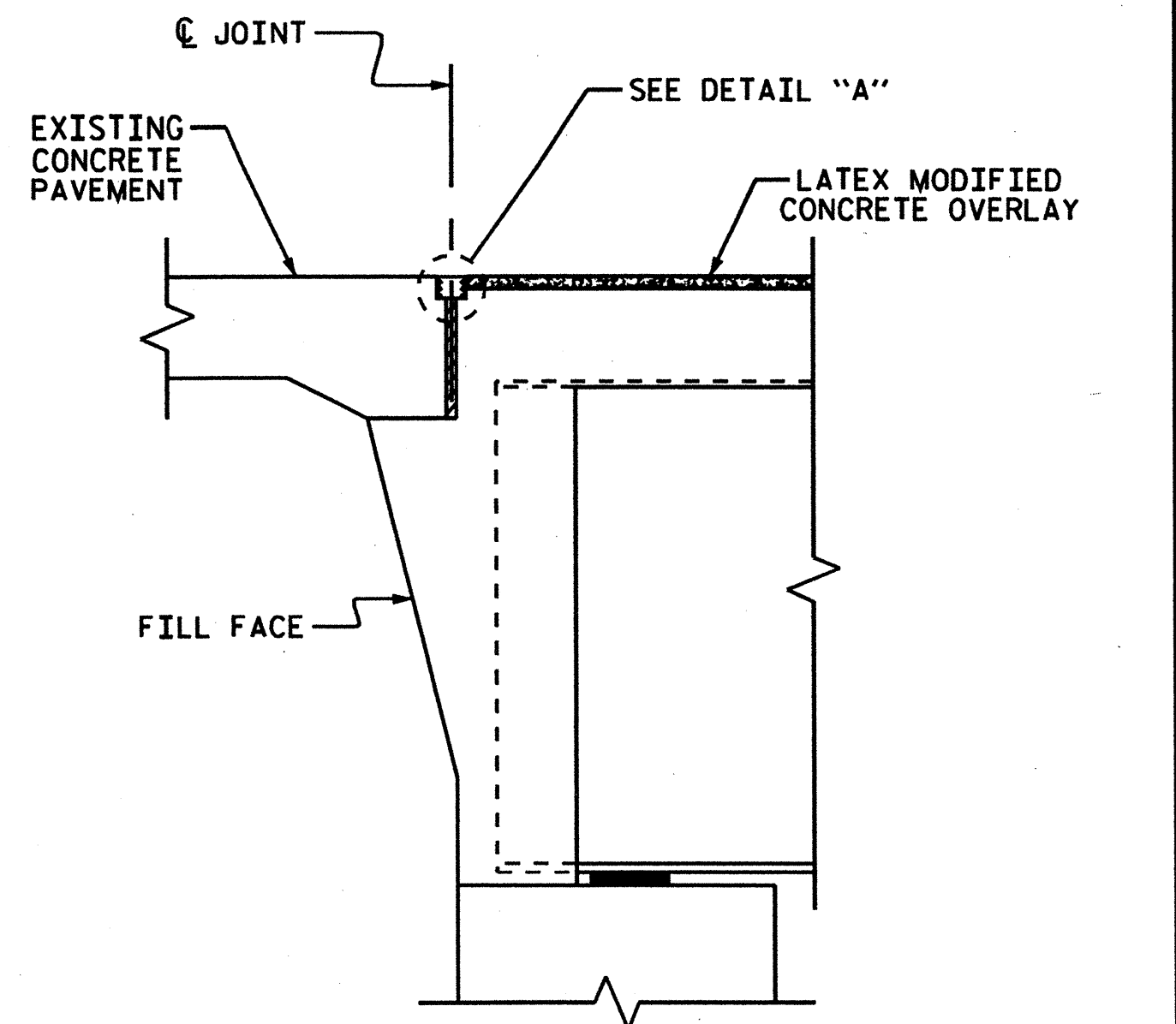
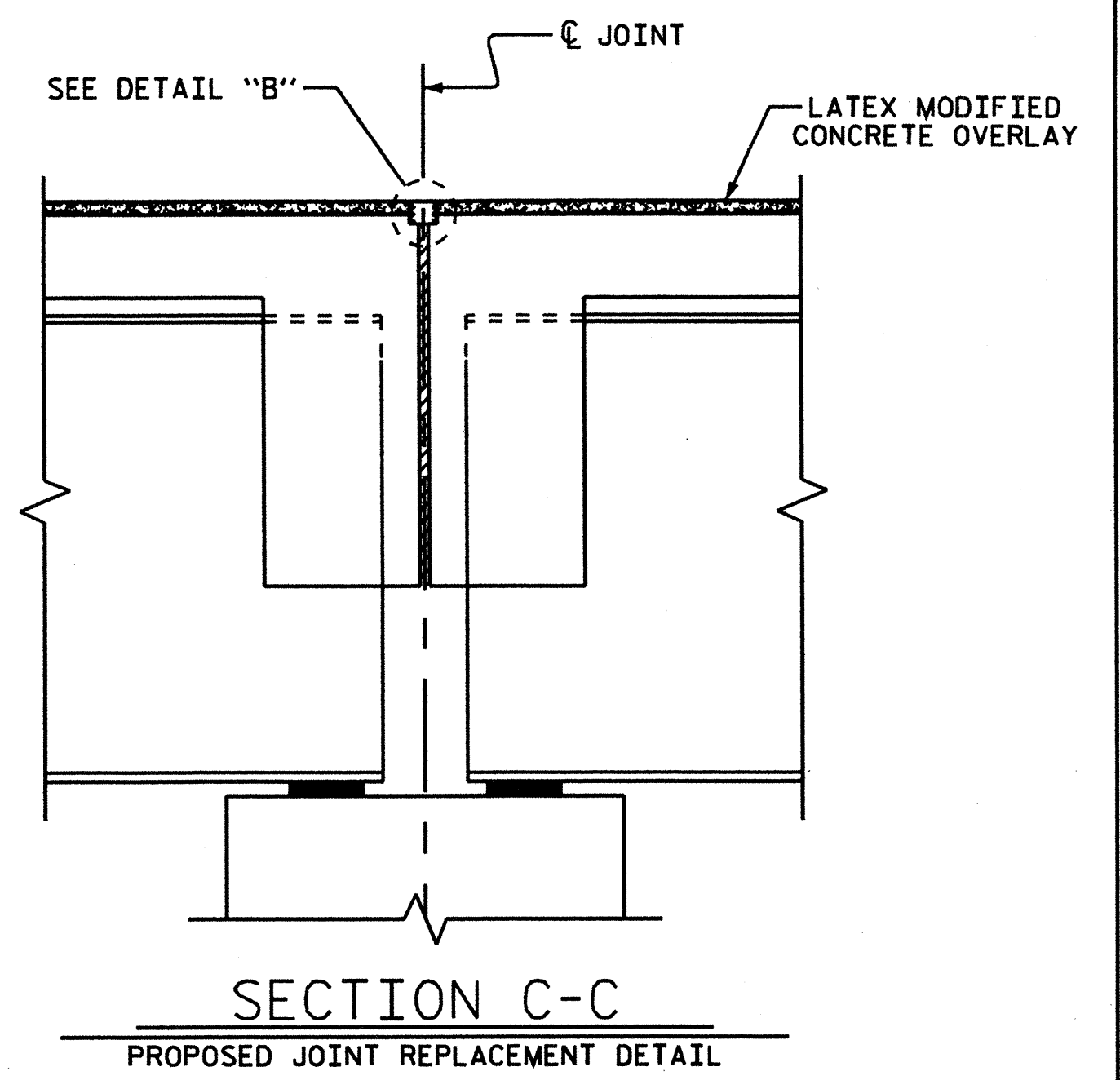
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-8
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : T. BANKOVICH DATE : 10-2009
 CHECKED BY : T. KOCH DATE : 11-2009

*****SYTIME*****
 *****DGN*****
 *****USERNAME*****



PLAN OF SPANS
* RADIAL DIMENSION



PROJECT NO. B-5179C
BUNCOMBE COUNTY
STATION: _____
SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

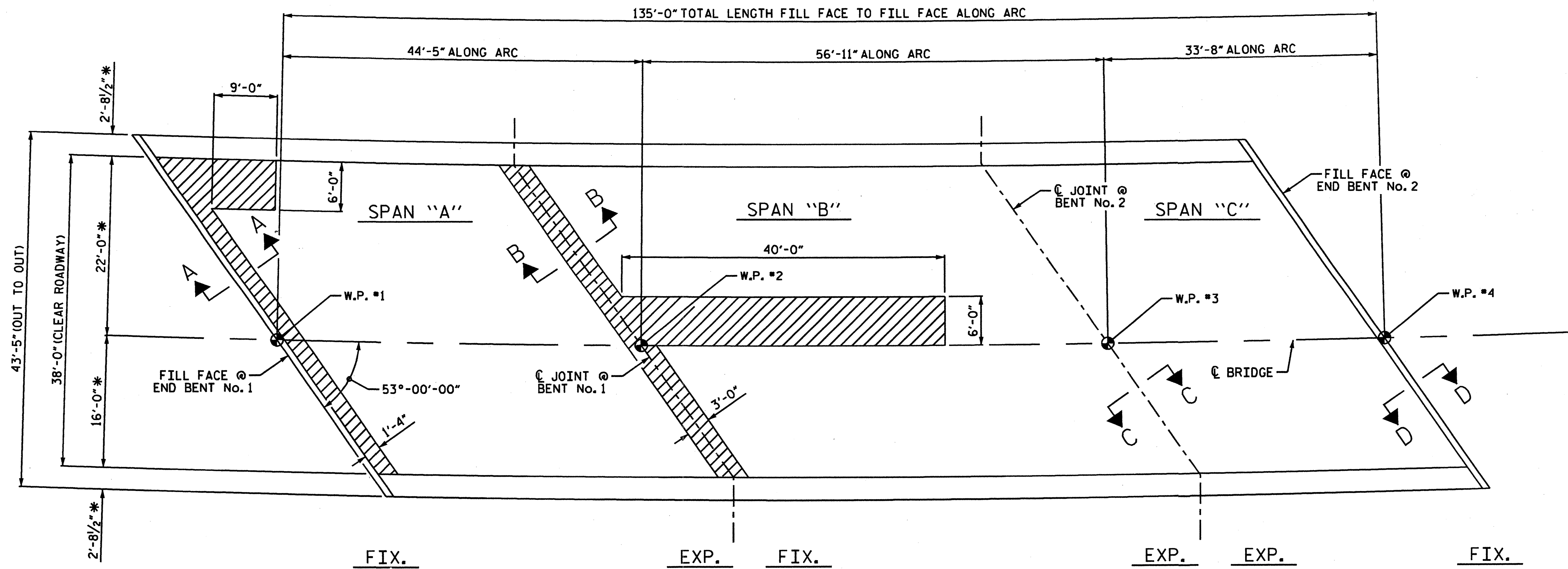
PLAN OF SPANS
FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 69

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-9
1			3			TOTAL SHEETS
2			4			49

DRAWN BY: T. BANKOVICH DATE: 11-2009
CHECKED BY: T. KOCH DATE: 11-2009

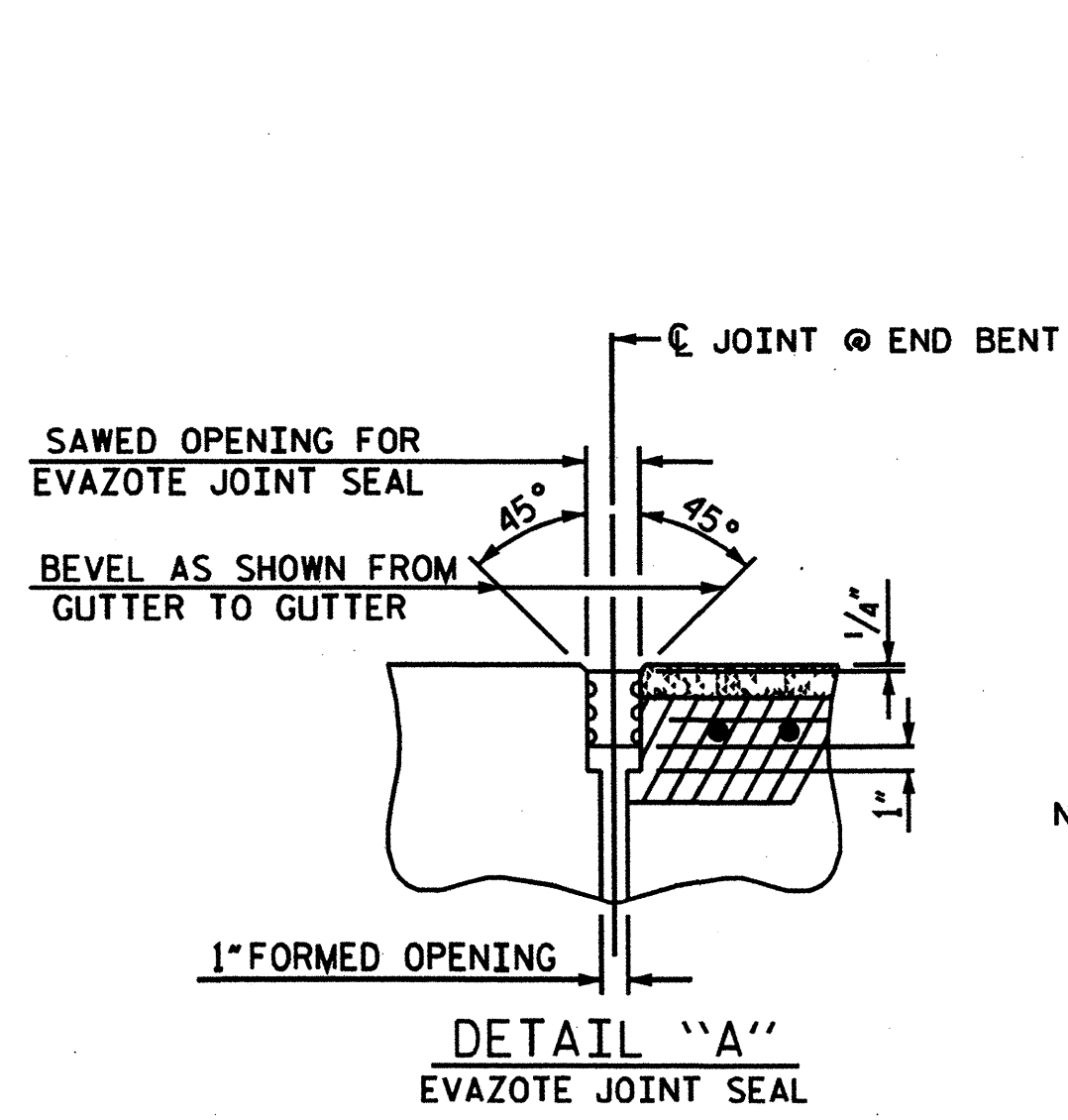
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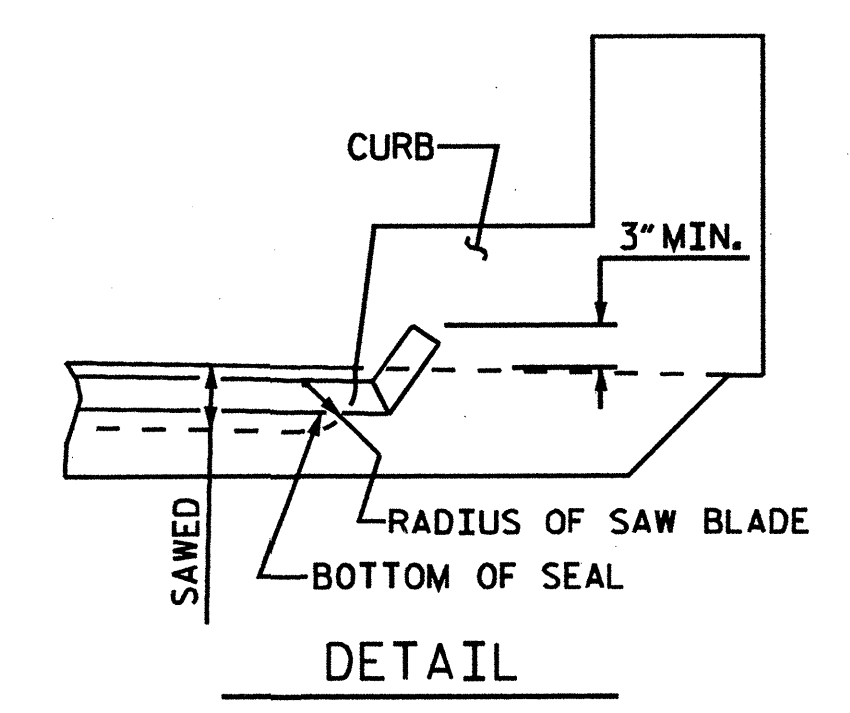
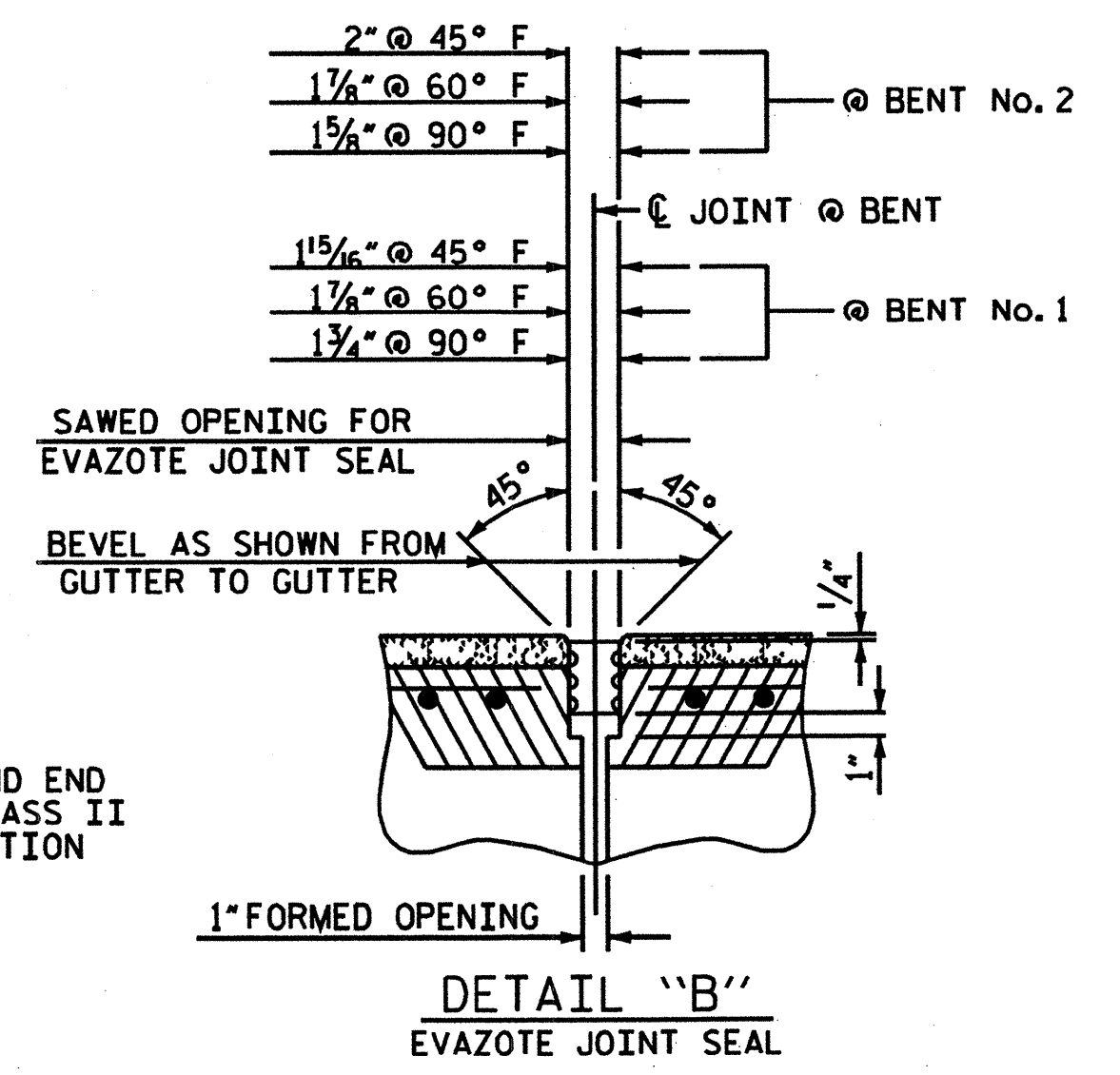
PLAN OF SPANS - DECK REPAIRS

*RADIAL DIMENSION

CLASS II SURFACE PREPARATION



NOTE: AT BENT No. 2 AND END BENT No. 2 NO CLASS II SURFACE PREPARATION REQUIRED.



TOTAL BILL OF MATERIAL							
SCARIFYING BRIDGE DECK	CLASS I * SURFACE PREPARATION	CLASS II * SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.
570	527.5	42.5	570	39.6	570	LUMP SUM	4608

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

PROJECT NO. B-5179C
BUNCOMBE COUNTY
 STATION: _____

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

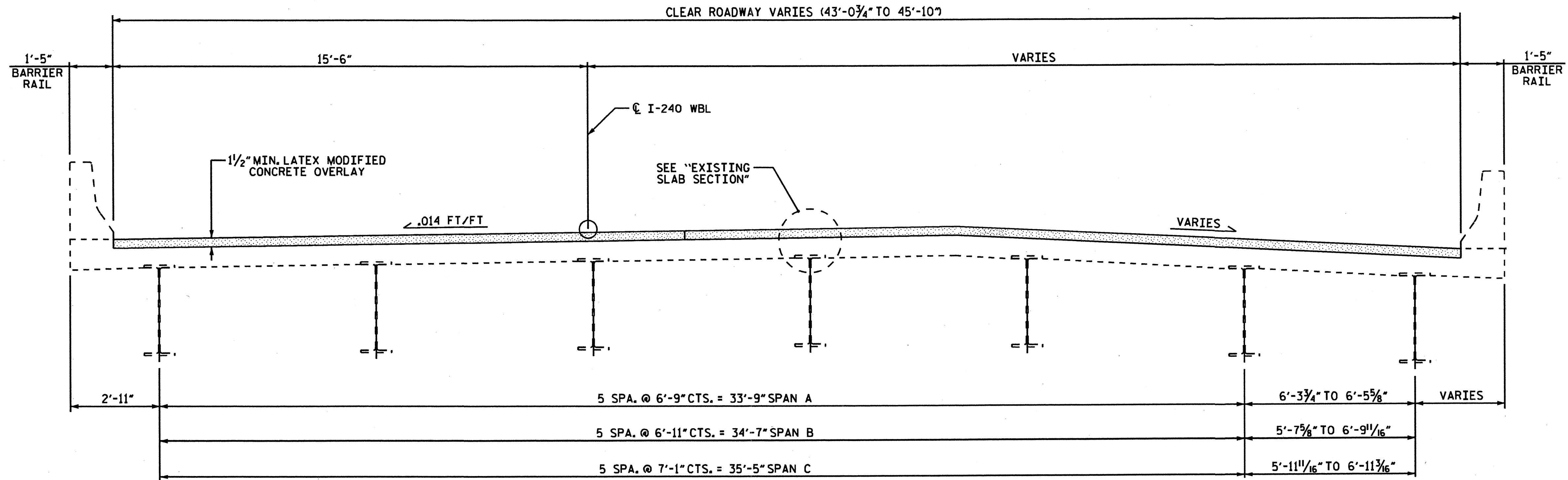
PLAN OF SPANS
 FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 69

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-10
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : T. BANKOVICH DATE : 11-2009
 CHECKED BY : T. KOCH DATE : 11-2009

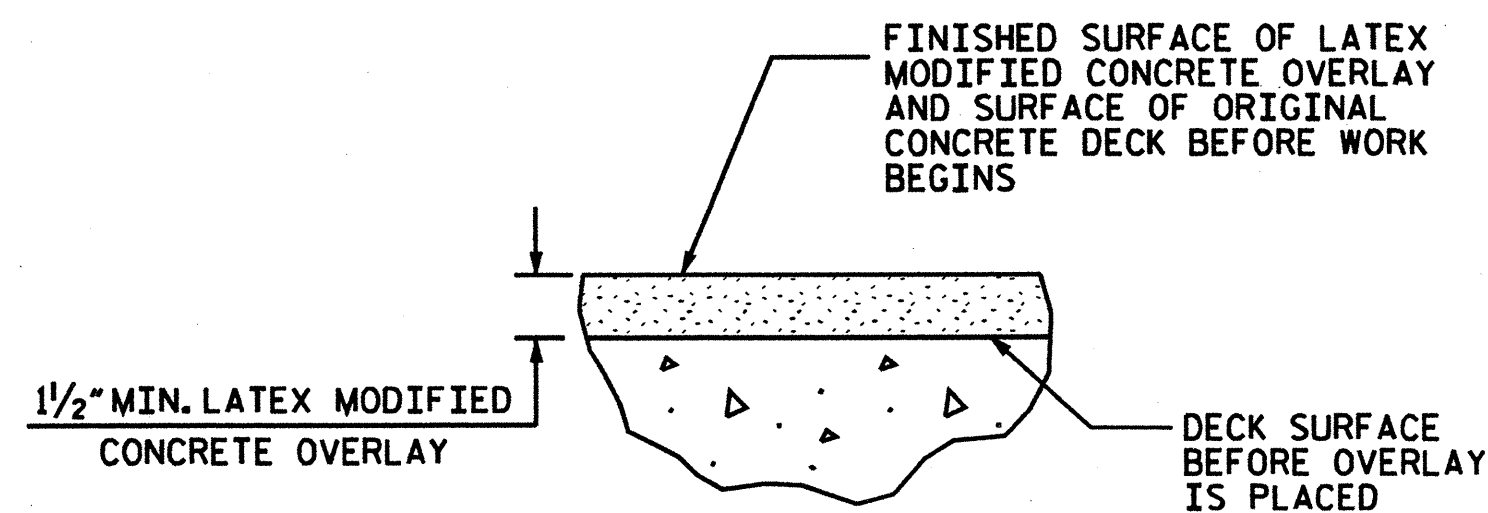
*****SYSTEM*****
 *****DGN*****
 *****USERNAME*****



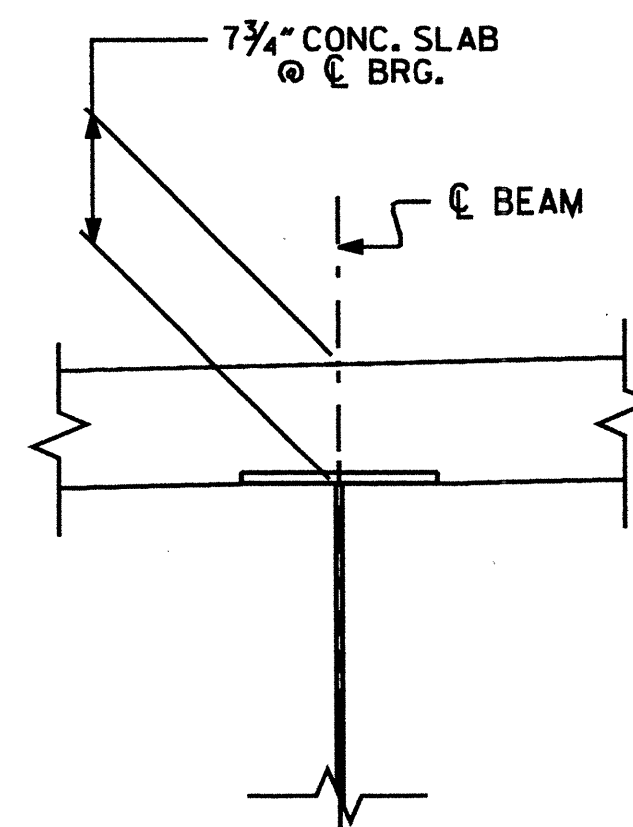
TYPICAL SECTION

NOTES:

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2¹/₂" AT END BENTS 1 & 2. SEE SPECIAL PROVISIONS.
- LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH.
- FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY



EXISTING SLAB SECTION

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 1 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

TYPICAL SECTION

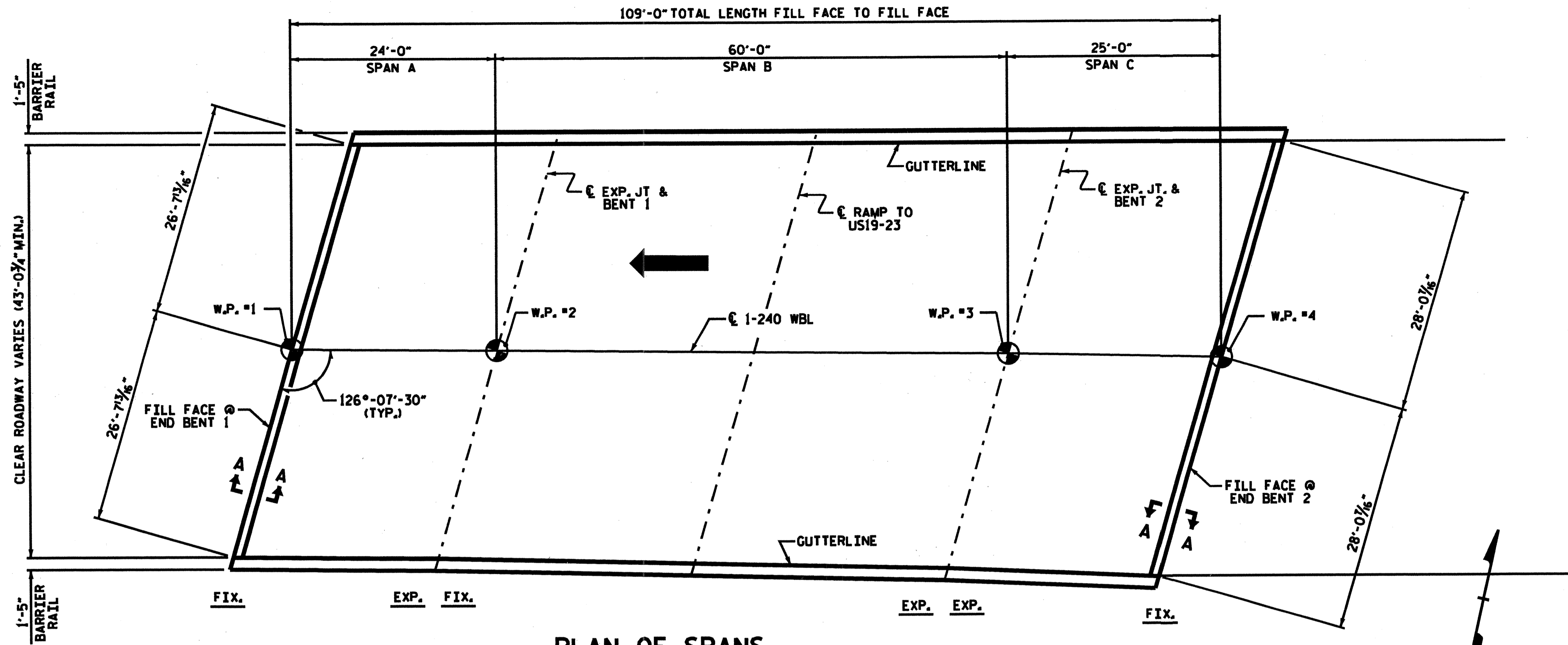
DECK REHAB. FOR BRIDGE NO. 348

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
1			3			TOTAL SHEETS
2			4			49

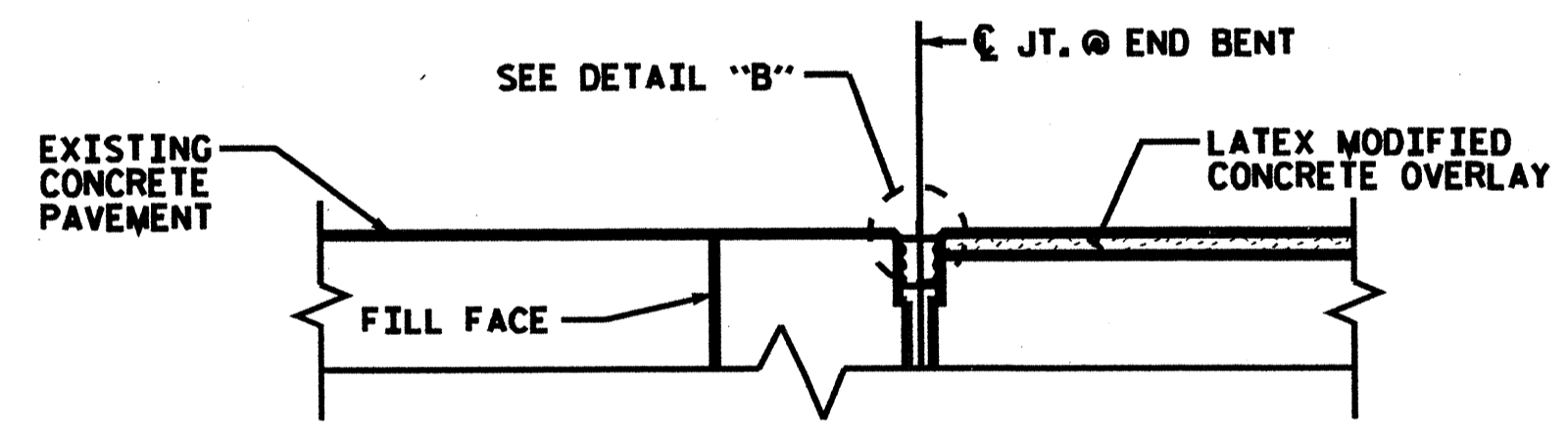
DRAWN BY : M.K. BEARD DATE : 10/22/09
 CHECKED BY : B.C. HUNT DATE : 10/26/09

*****SYSTEM*****
 *****DGN*****
 *****USER*****

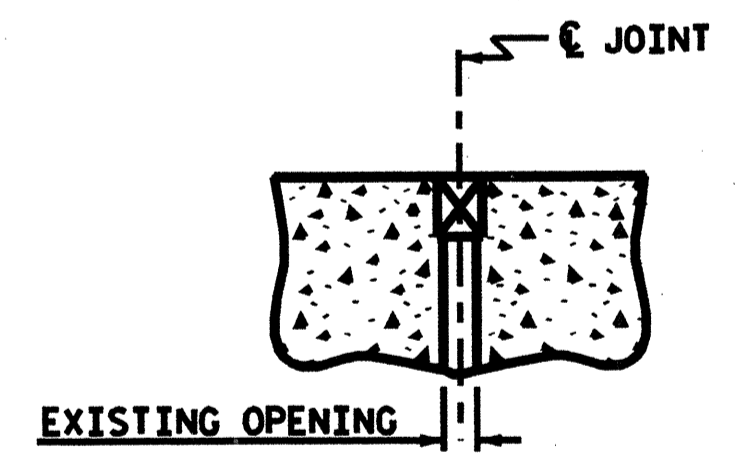
NC005



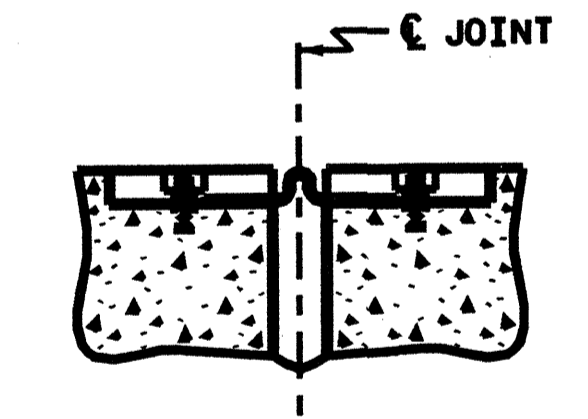
PLAN OF SPANS



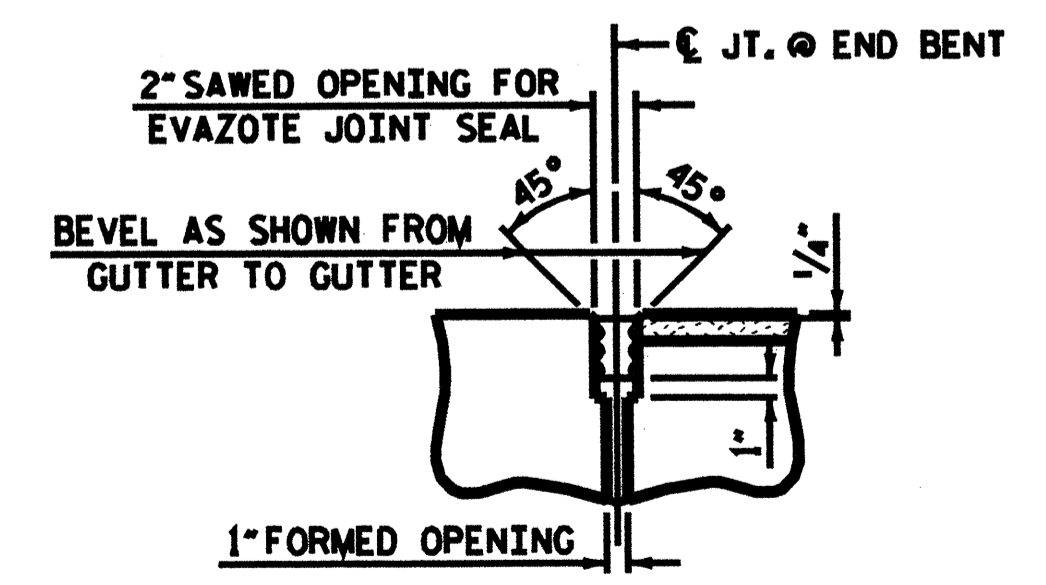
SECTION A-A
(PROPOSED JOINT REPLACEMENT DETAIL)



EXISTING COMPRESSION JT. DETAIL @ END BENTS 1 & 2



EXISTING MECHANICAL JT. DETAIL @ BENTS 1 & 2
(TO BE RETAINED)



SECTION "B"
EVAZOTE JOINT SEAL (FIXED)

TOTAL BILL OF MATERIAL						
SCARIFYING BRIDGE DECK	CLASS I* SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.
590	590	590	41	590	LUMP SUM	5.012

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

PROJECT NO. **B-5179C**
BUNCOMBE COUNTY

STATION: _____
SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

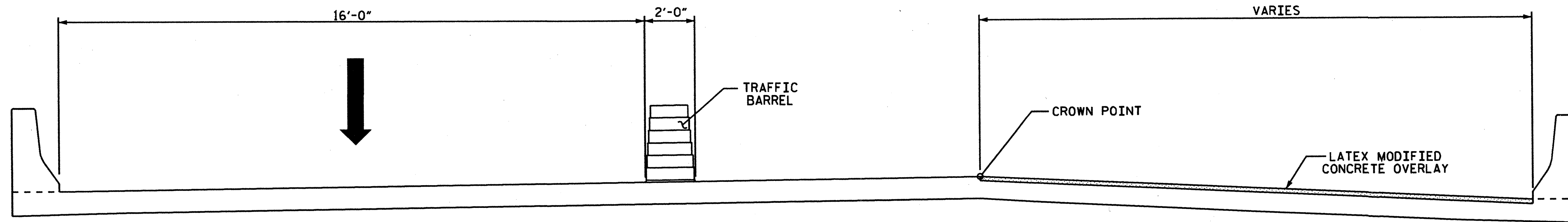
PLAN OF SPANS FOR DECK REPAIR

DECK REHAB. FOR BRIDGE NO. 348

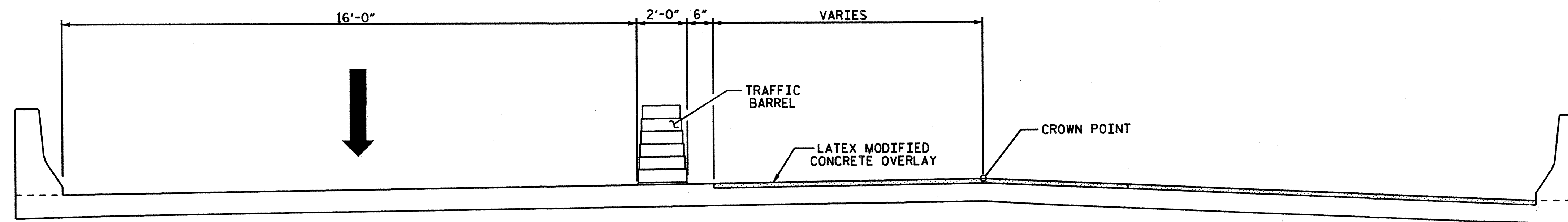
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-12
1			3			10/15/09
2			4			11/13/09

DRAWN BY: **M.K. BEARD** DATE: **11/13/09**
CHECKED BY: **B.C. HUNT** DATE: **11/13/09**

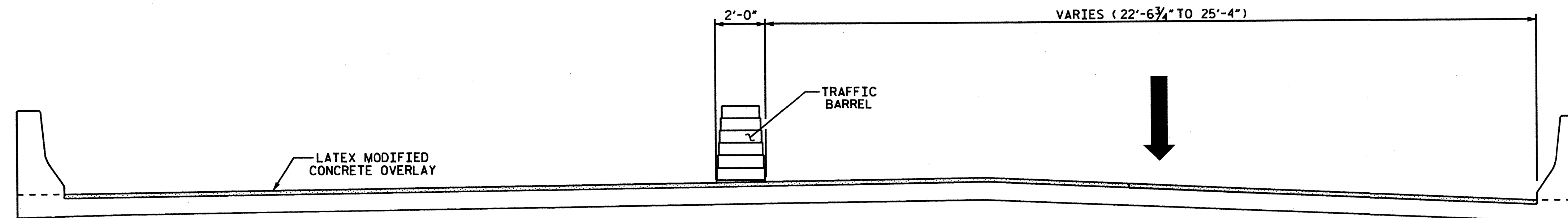
NC005



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



STAGE III CONSTRUCTION

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

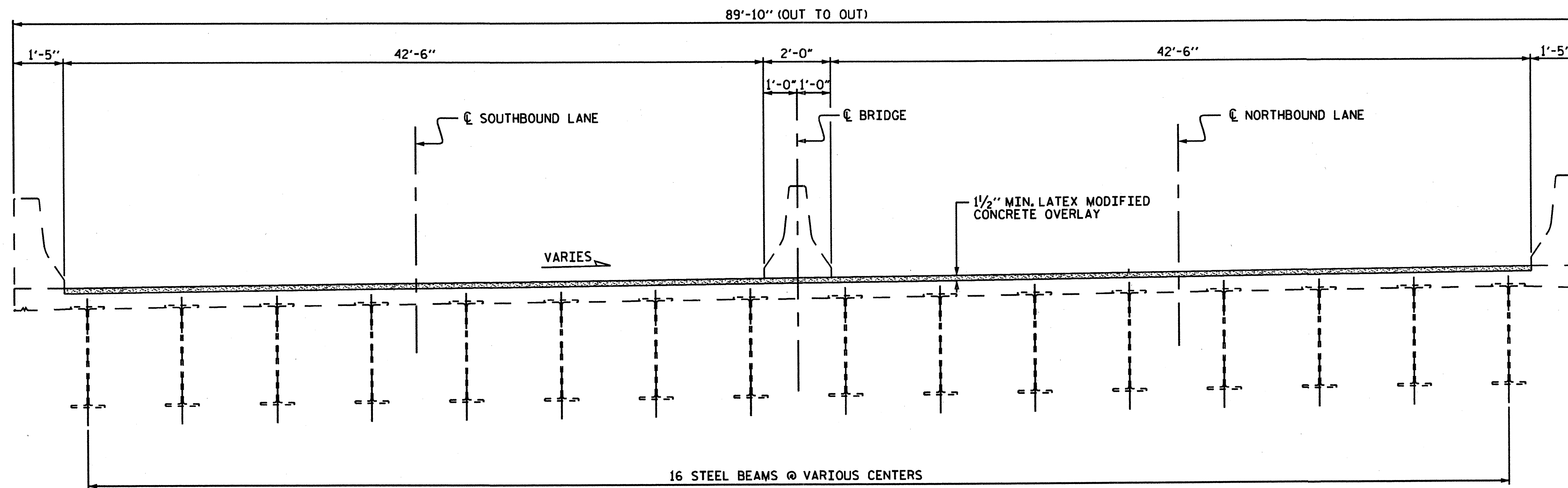
CONSTRUCTION
 SEQUENCE

DECK REHAB. FOR BRIDGE NO. 348

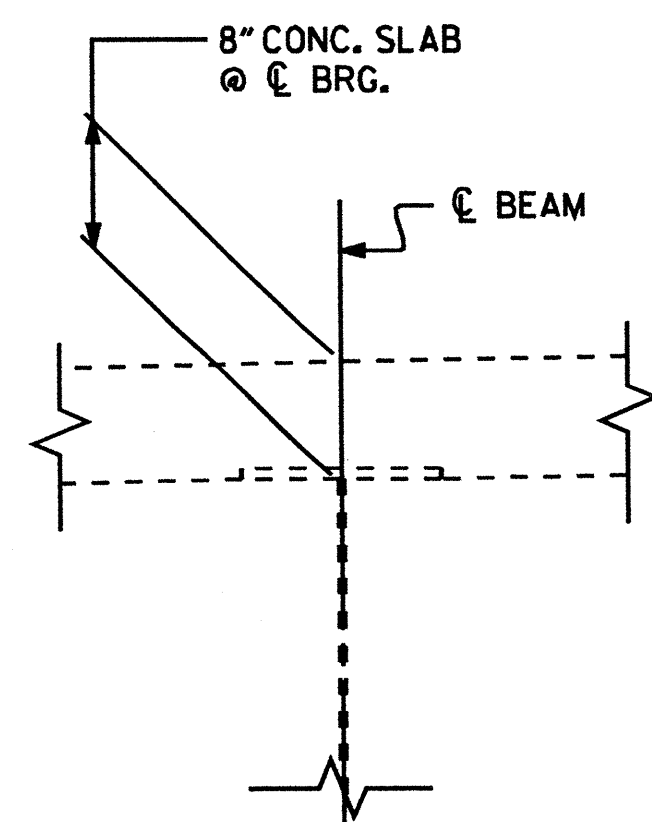
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : M.K. BEARD DATE : 11/3/09
 CHECKED BY : B.C. HUNT DATE : 11/3/09

*****SYSTEM*****
 *****DGN*****
 *****USERNAME*****



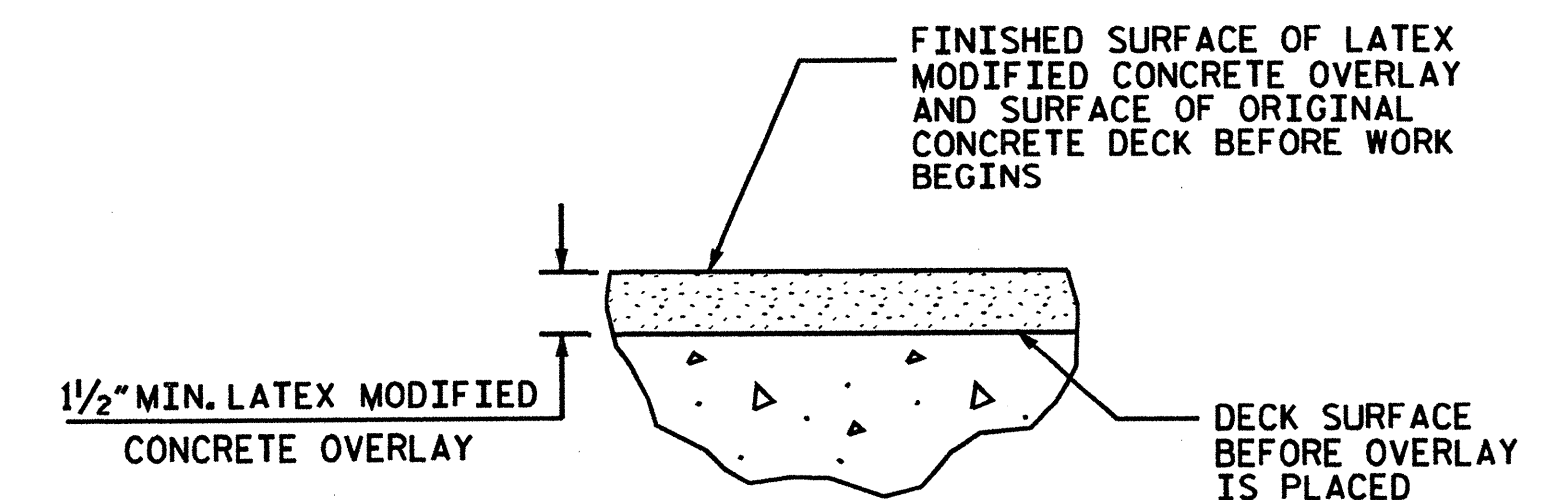
TYP. SECTION



EXIST. SLAB SECTION

NOTES:

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS II SURFACE PREPARATION ARE APPROXIMATE.
- THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENTS 1 & 2 AND BENTS 1 & 2. FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
- FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 1 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

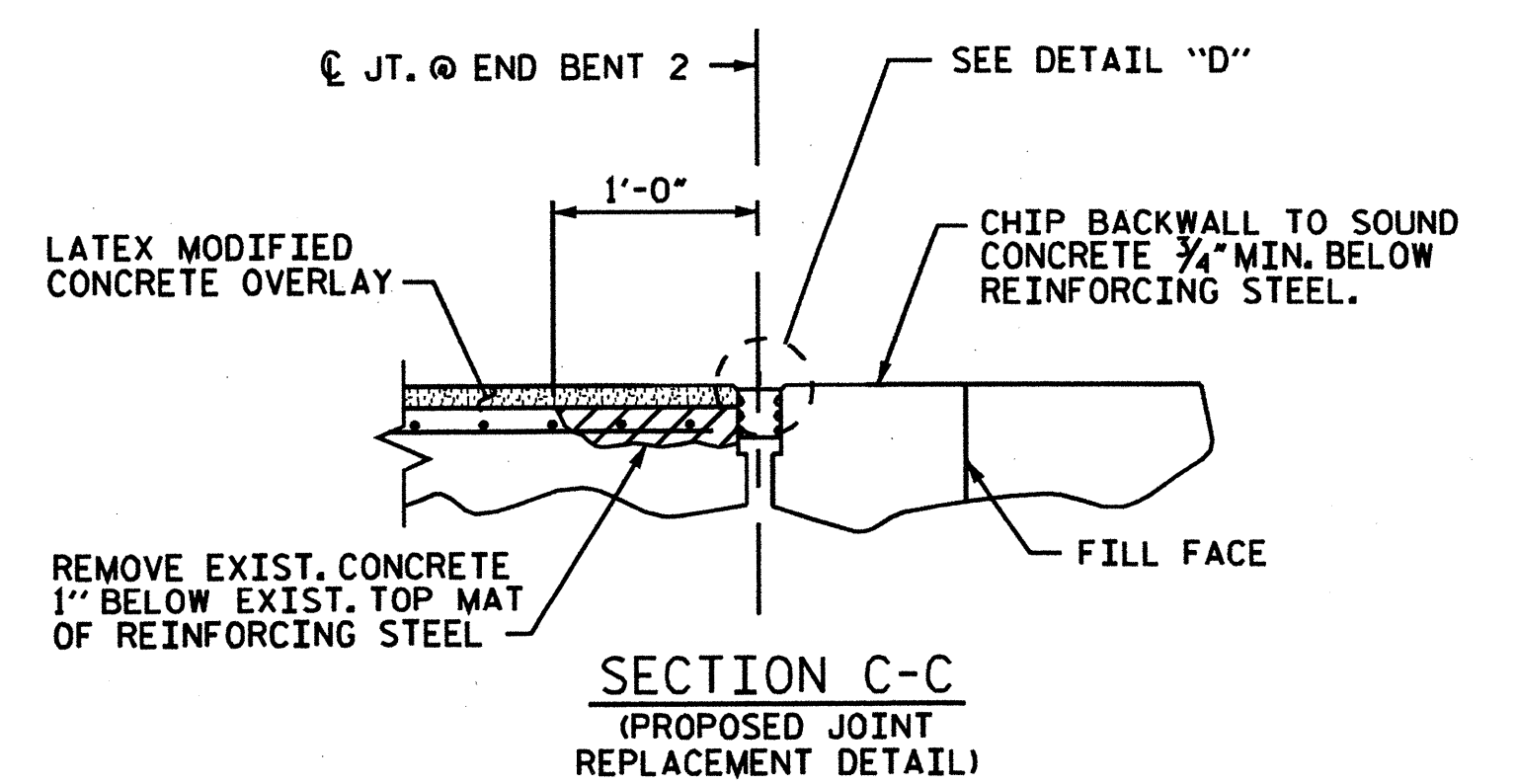
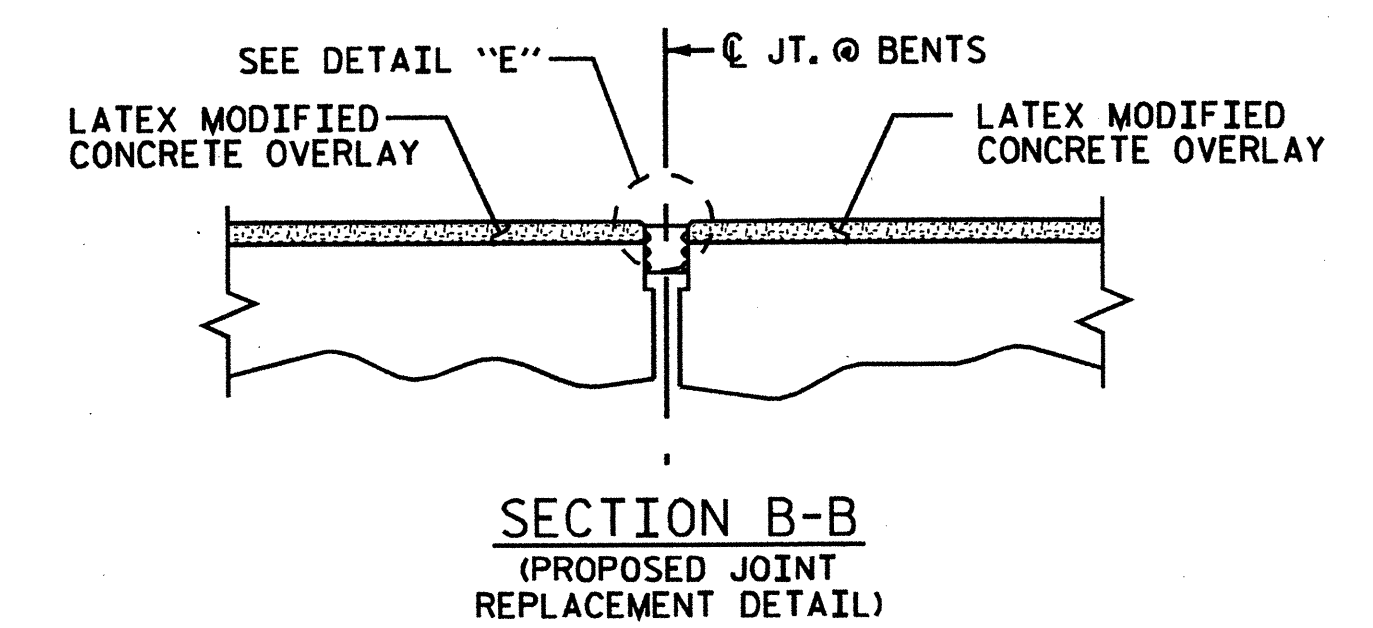
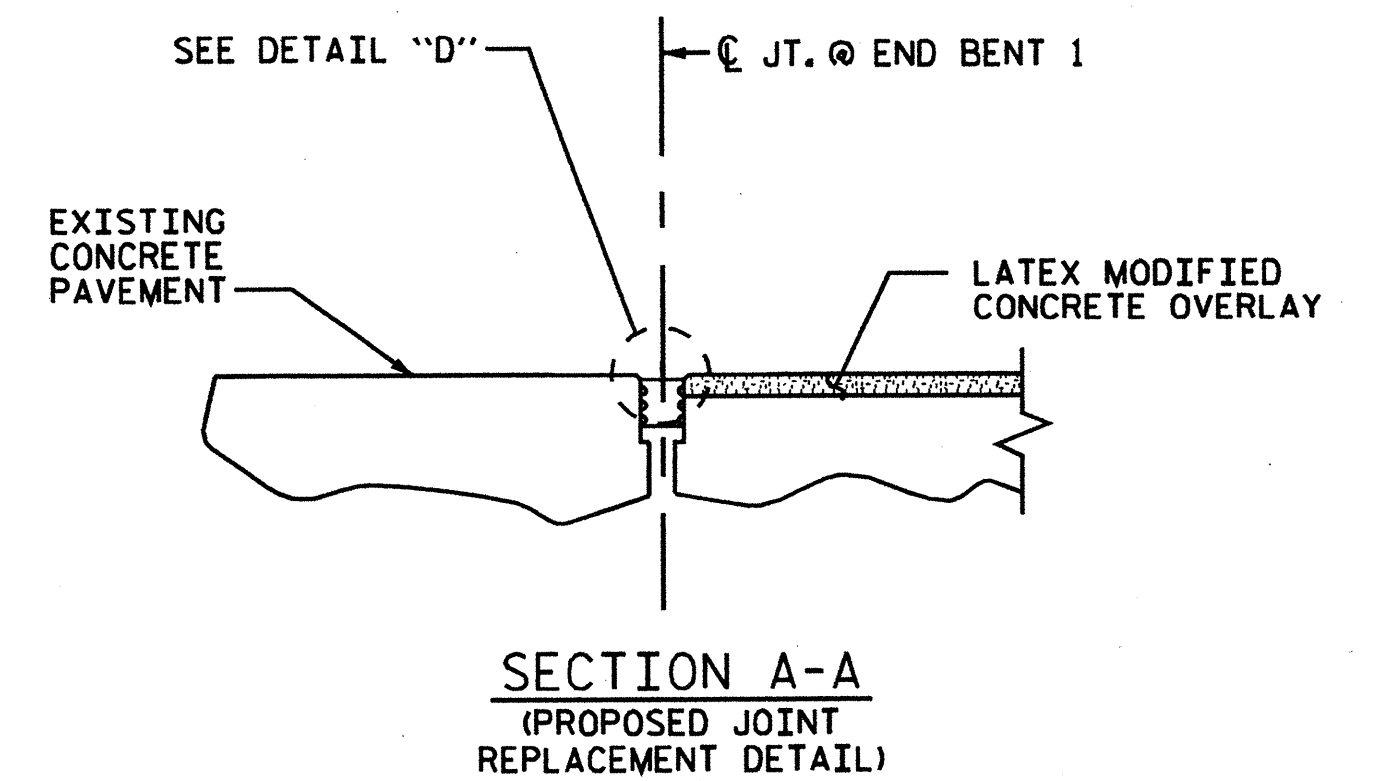
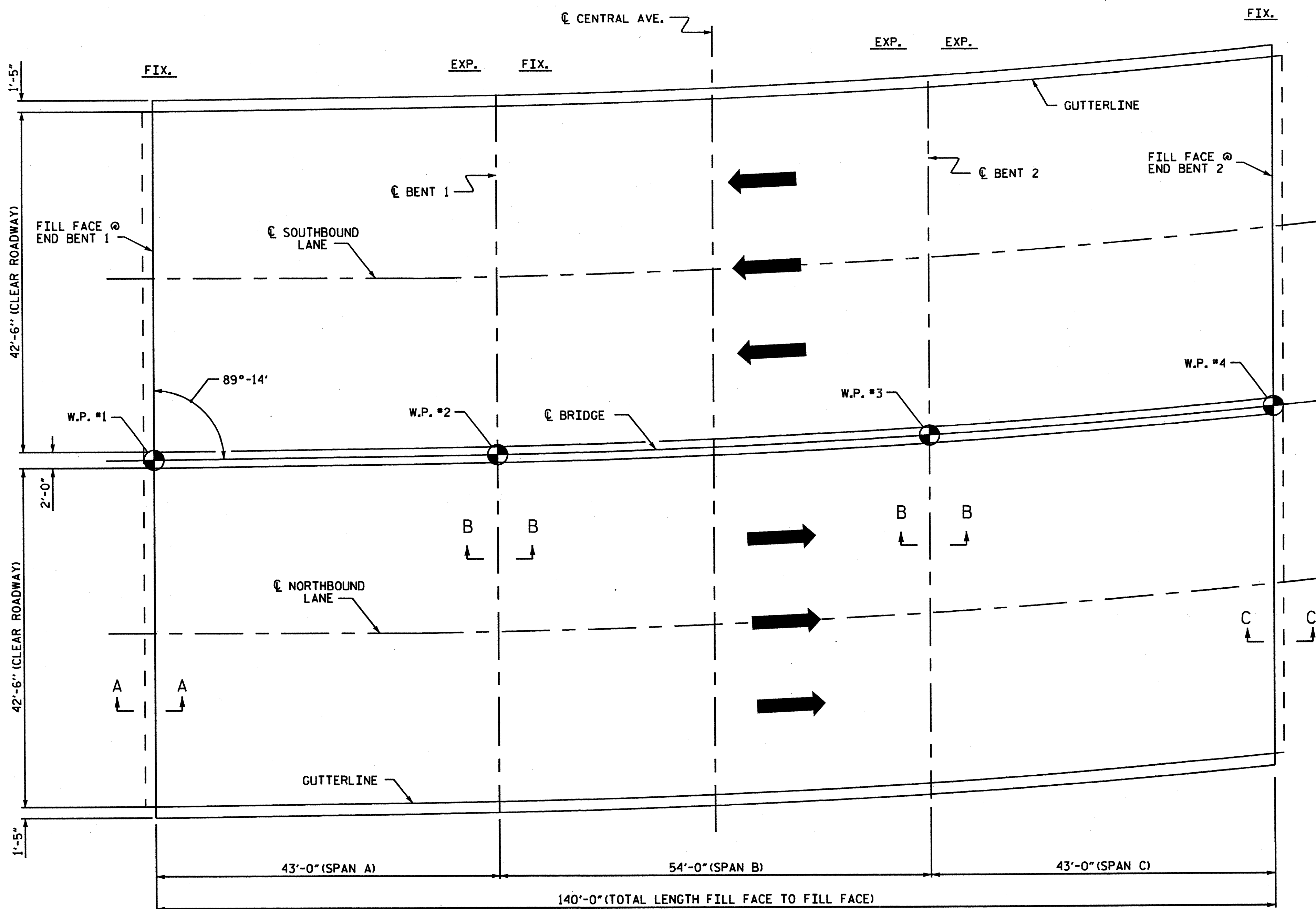
TYPICAL SECTION

DECK REHAB. FOR
 BRIDGE NO. 384

REVISIONS						SHEET NO. S-14
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : A.S. CALLAWAY DATE : 10/22/09
 CHECKED BY : B.C. HUNT DATE : 10/26/09

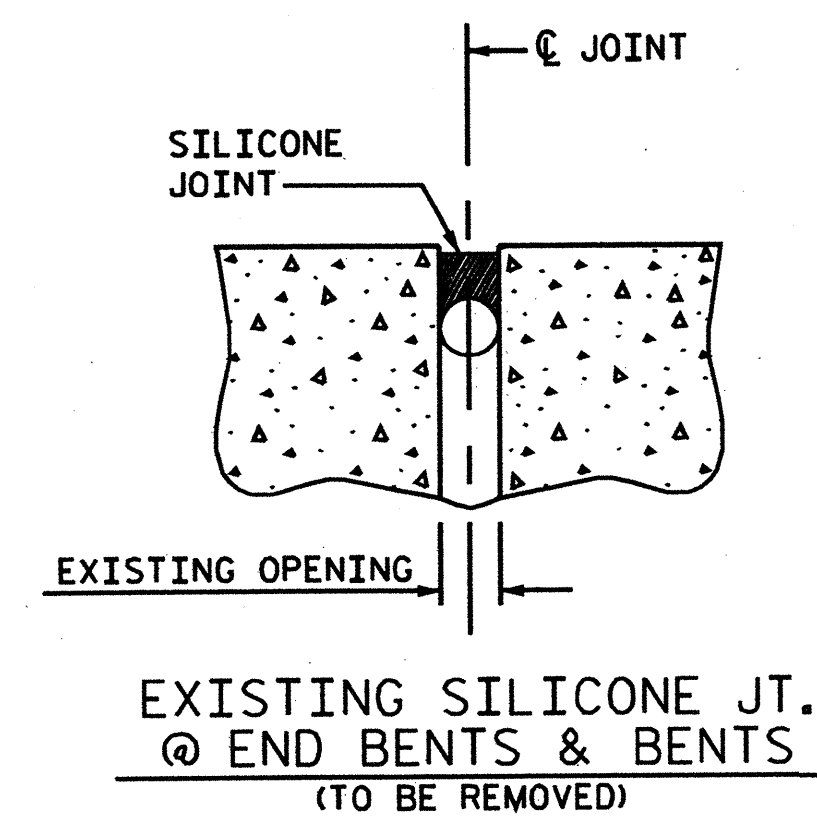
*****SYSTEM*****
 *****DCN*****
 *****USERNAME*****



PLAN OF SPANS

TOTAL BILL OF MATERIAL							
SCARIFYING BRIDGE DECK	CLASS I* SURFACE PREPARATION	CLASS II* SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY	PLACING AND FINISHING LATEX MODIFIED CONCRETE	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.
1322	1257	65	1322	92	1322	LUMP SUM	10952

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.



PROJECT NO. B-5179C
BUNCOMBE COUNTY
 STATION: _____
 SHEET 2 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

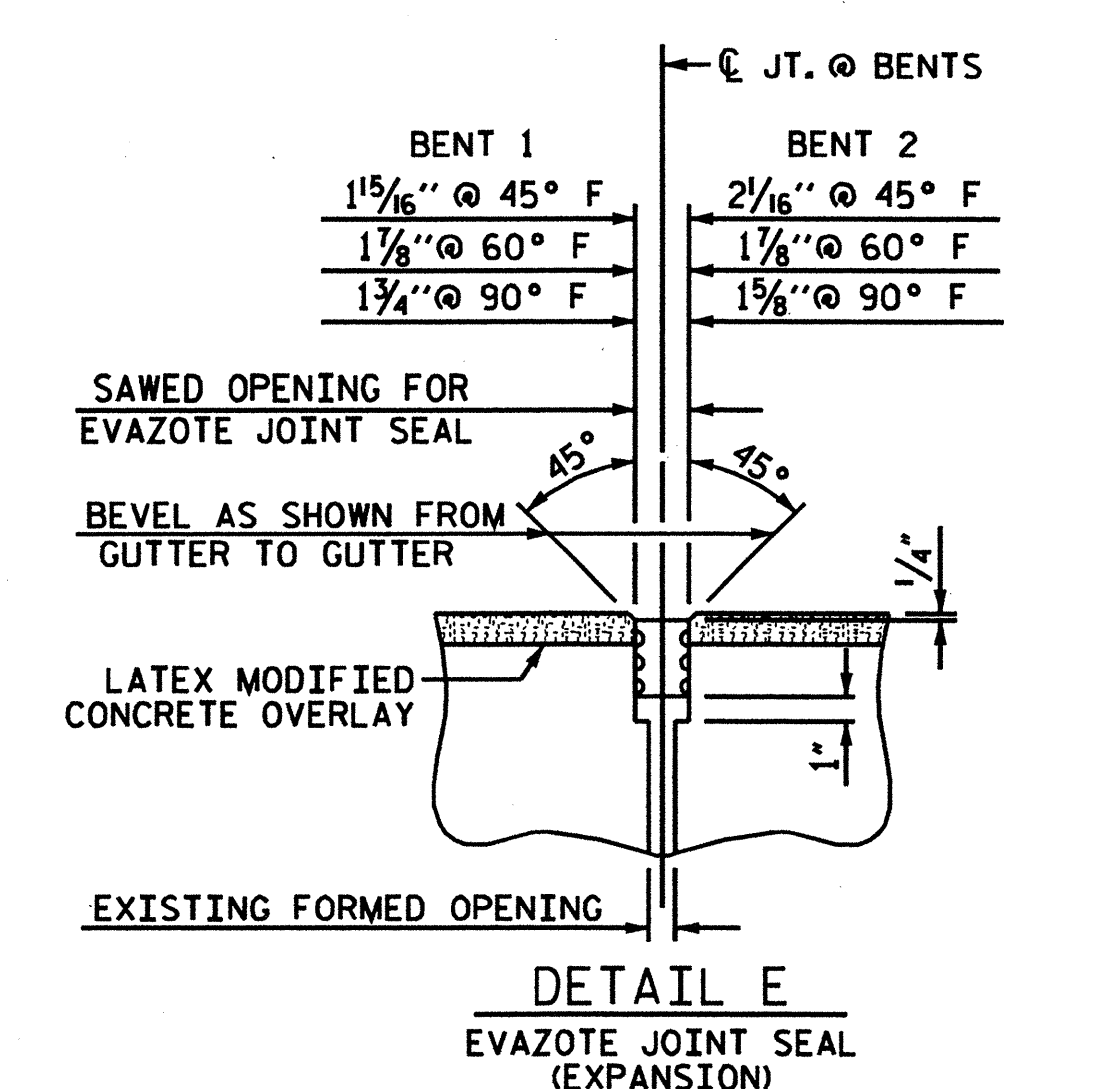
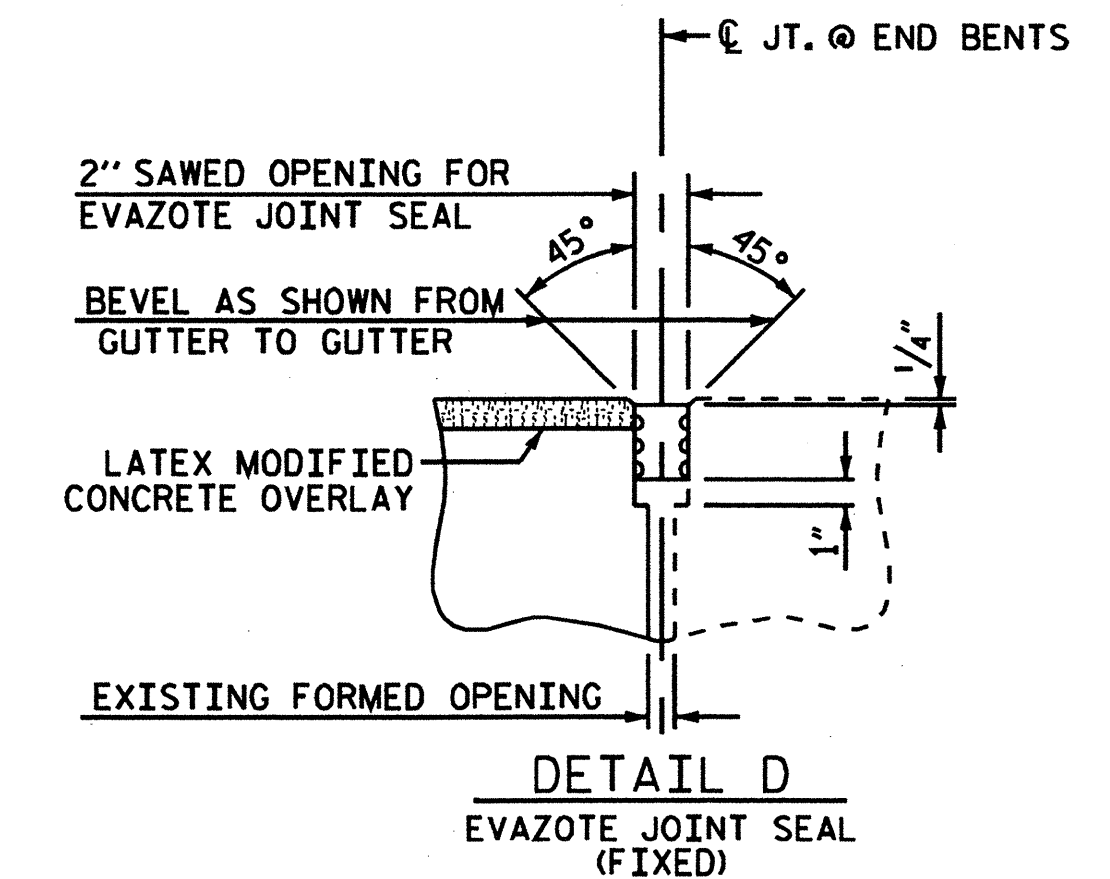
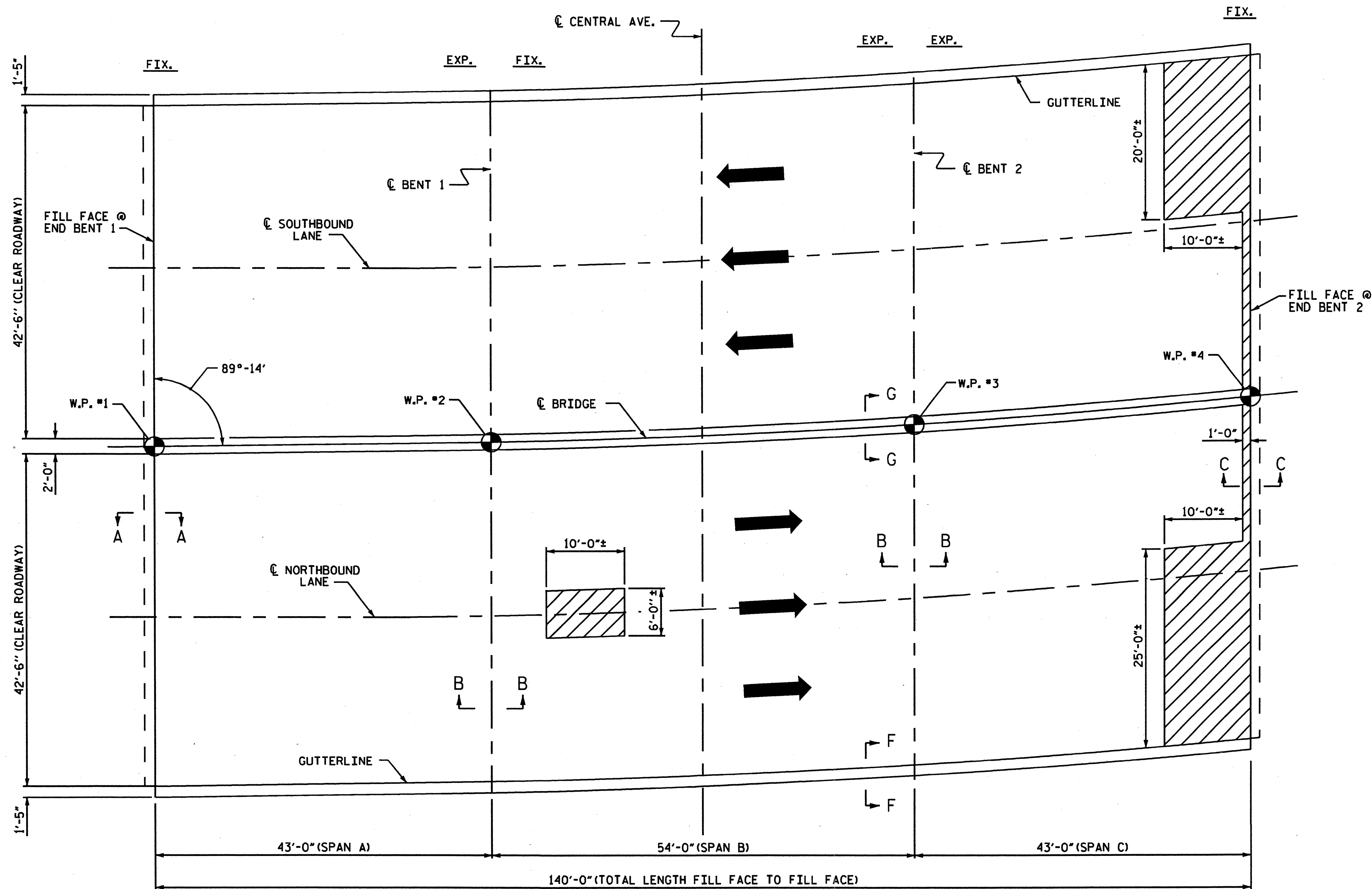
PLAN OF SPANS
 FOR DECK REPAIR

DECK REHAB. FOR
 BRIDGE NO. 384

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-15
1			3			TOTAL SHEETS
2			4			49

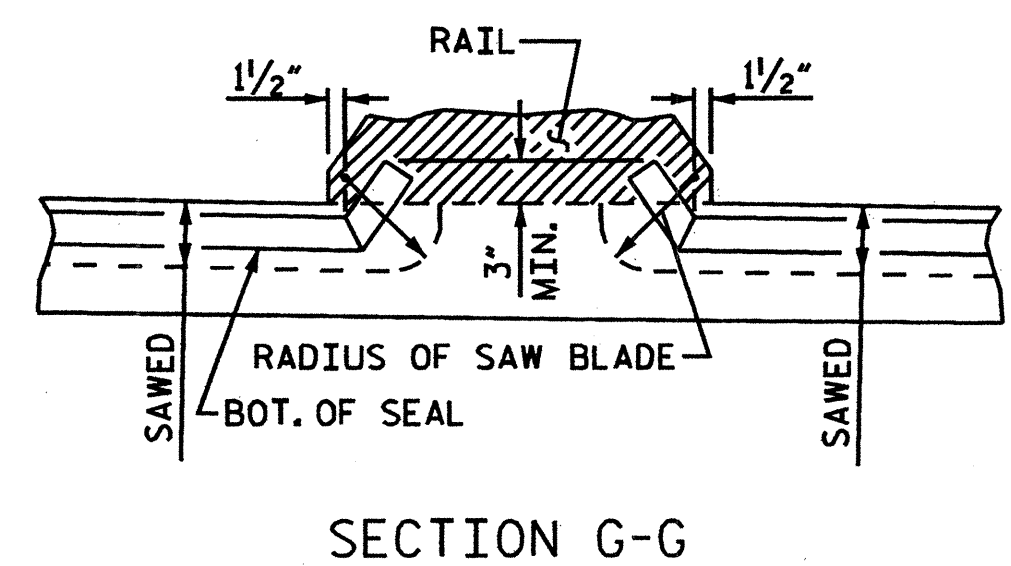
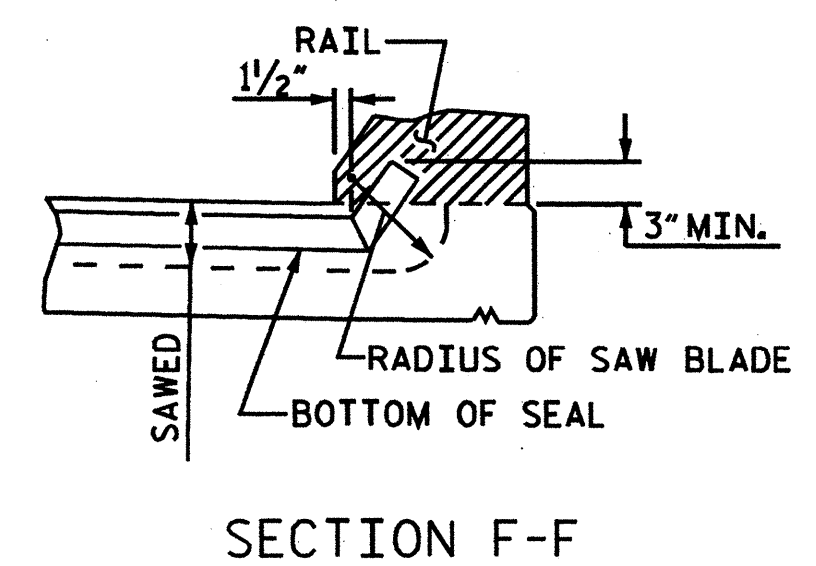
DRAWN BY : A.S. CALLAWAY DATE : 10/22/09
 CHECKED BY : B.C. HUNT DATE : 10/26/09

*****SYSTEM*****
 *****DCN*****
 *****USERNAME*****



CLASS II SURFACE PREPARATION

PROJECT NO. B-5179C
BUNCOMBE COUNTY
STATION:
SHEET 3 OF 4



NOTE: EVAZOTE JOINT SEAL TO BE CUT, HEAT WELDED AND TURNED UP PARALLEL TO SLOPED FACE OF THE RAIL.

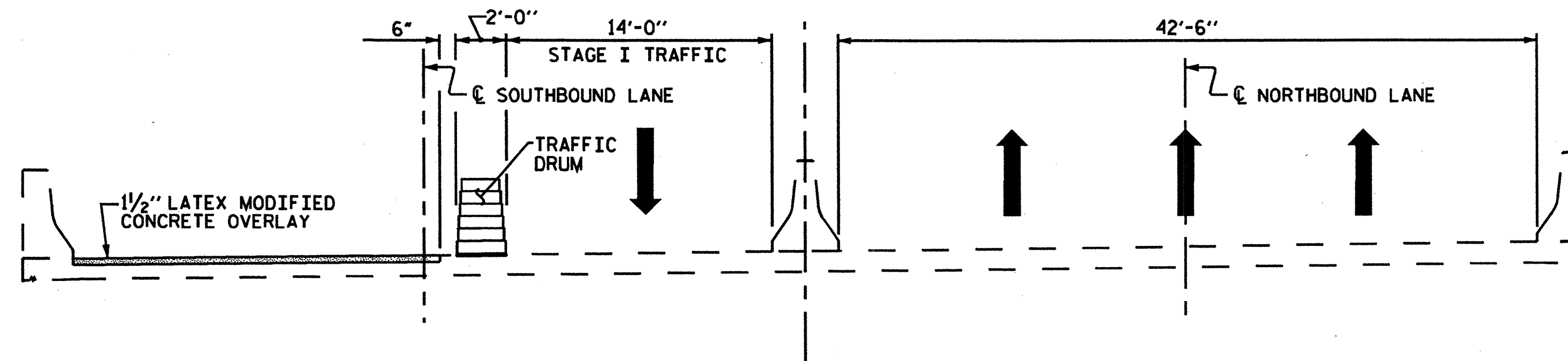
DRAWN BY: A.S. CALLAWAY DATE: 10/22/09
CHECKED BY: B.C. HUNT DATE: 10/26/09

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

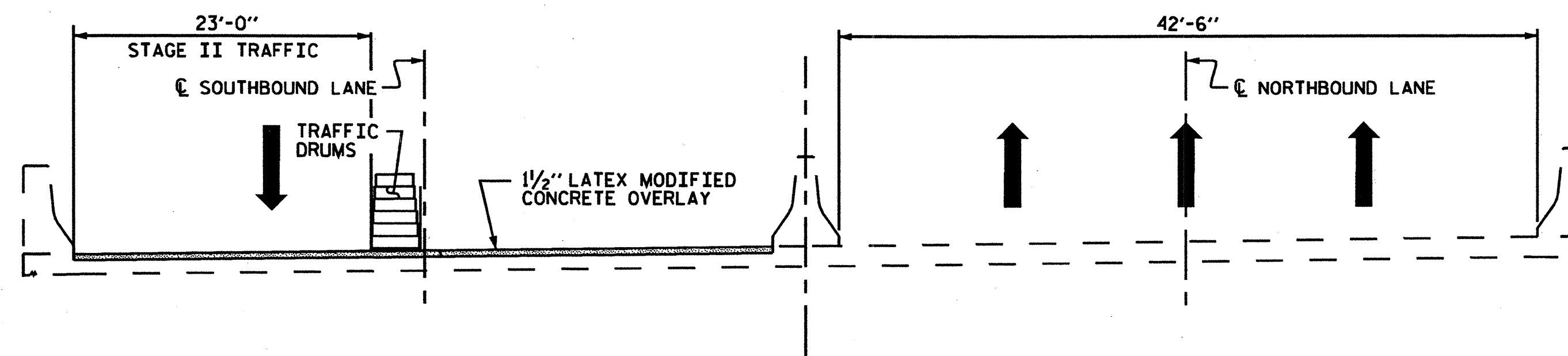
PLAN OF SPANS FOR DECK REPAIR

DECK REHAB. FOR BRIDGE NO. 384

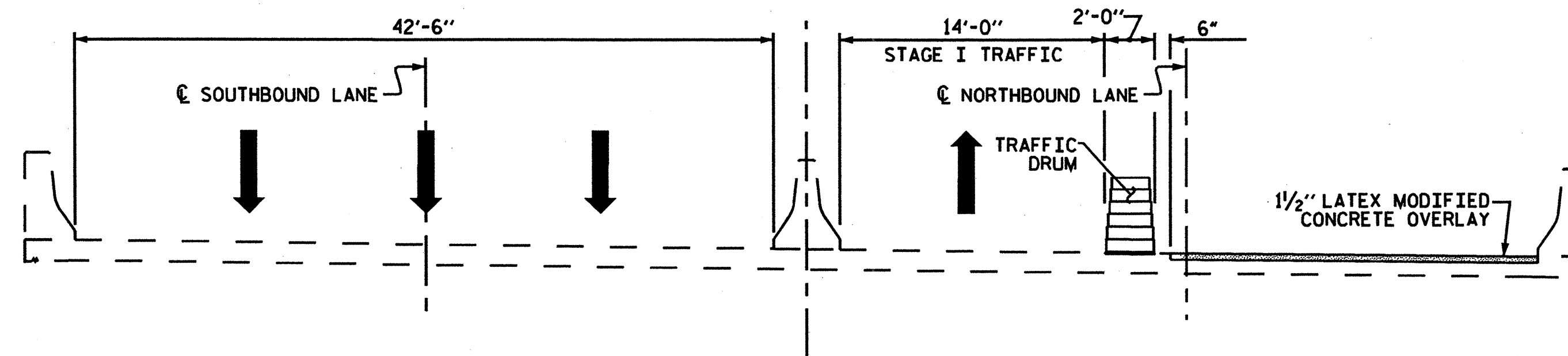
REVISIONS						SHEET NO. S-16
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			



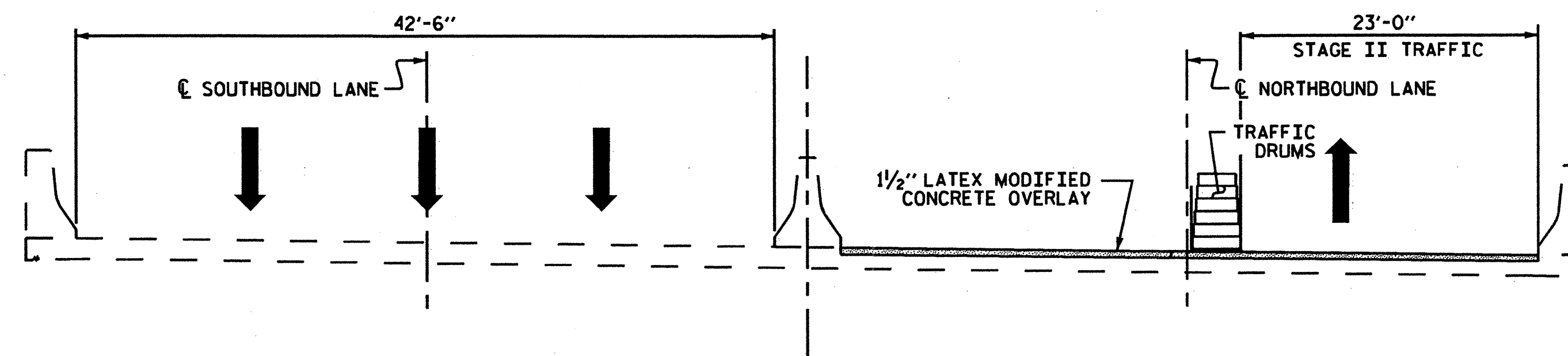
STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



STAGE III CONSTRUCTION



STAGE IV CONSTRUCTION

PROJECT NO. B-5179C

BUNCOMBE COUNTY

STATION: _____

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

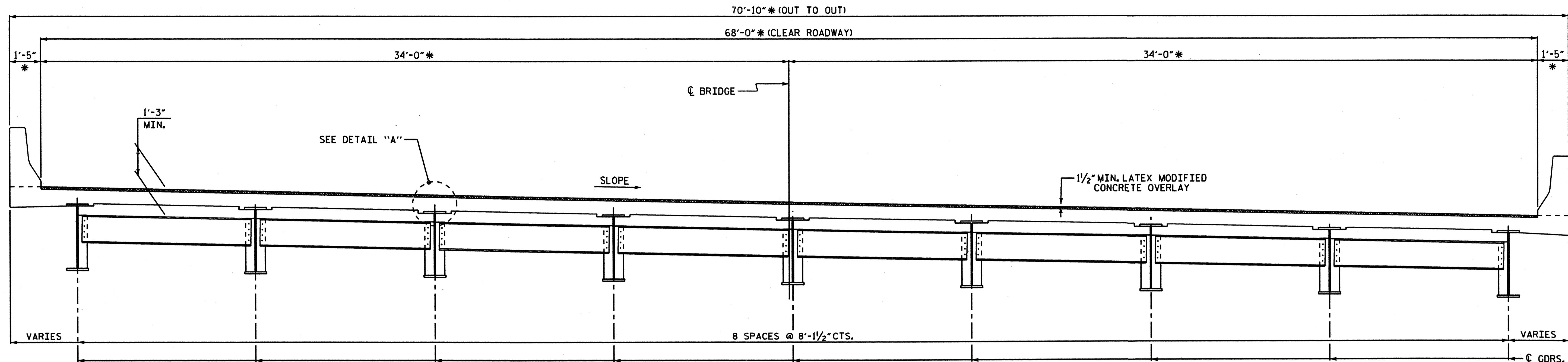
CONSTRUCTION
SEQUENCE

DECK REHAB. FOR
BRIDGE NO. 384

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-17
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : A.S. CALLAWAY DATE : 11/2/09
CHECKED BY : B.C. HUNT DATE : 11/5/09

*****SYSTEM*****
*****DGN*****
*****USERNAME*****

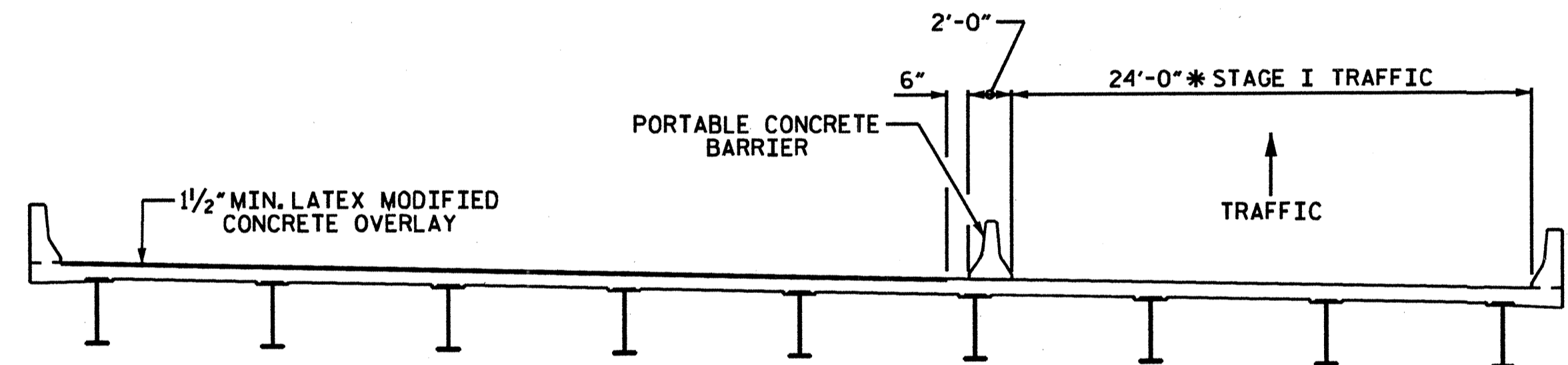


TYPICAL SECTION
SHOWING BENT DIAPHRAGM

* RADIAL DIMENSION

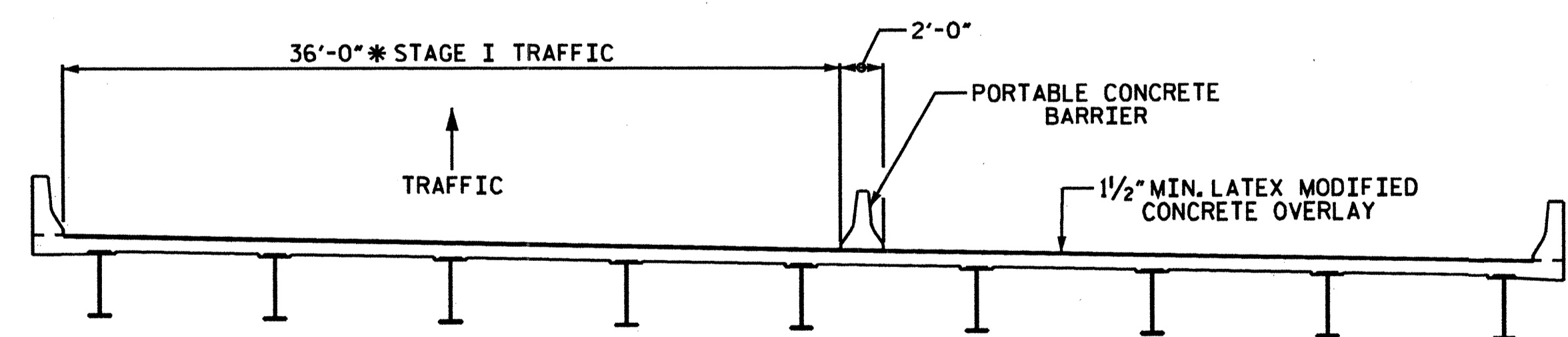
NOTES:

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENTS 1 & 2 AND BENTS 1 & 2. FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
- FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.
- LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH.
- FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

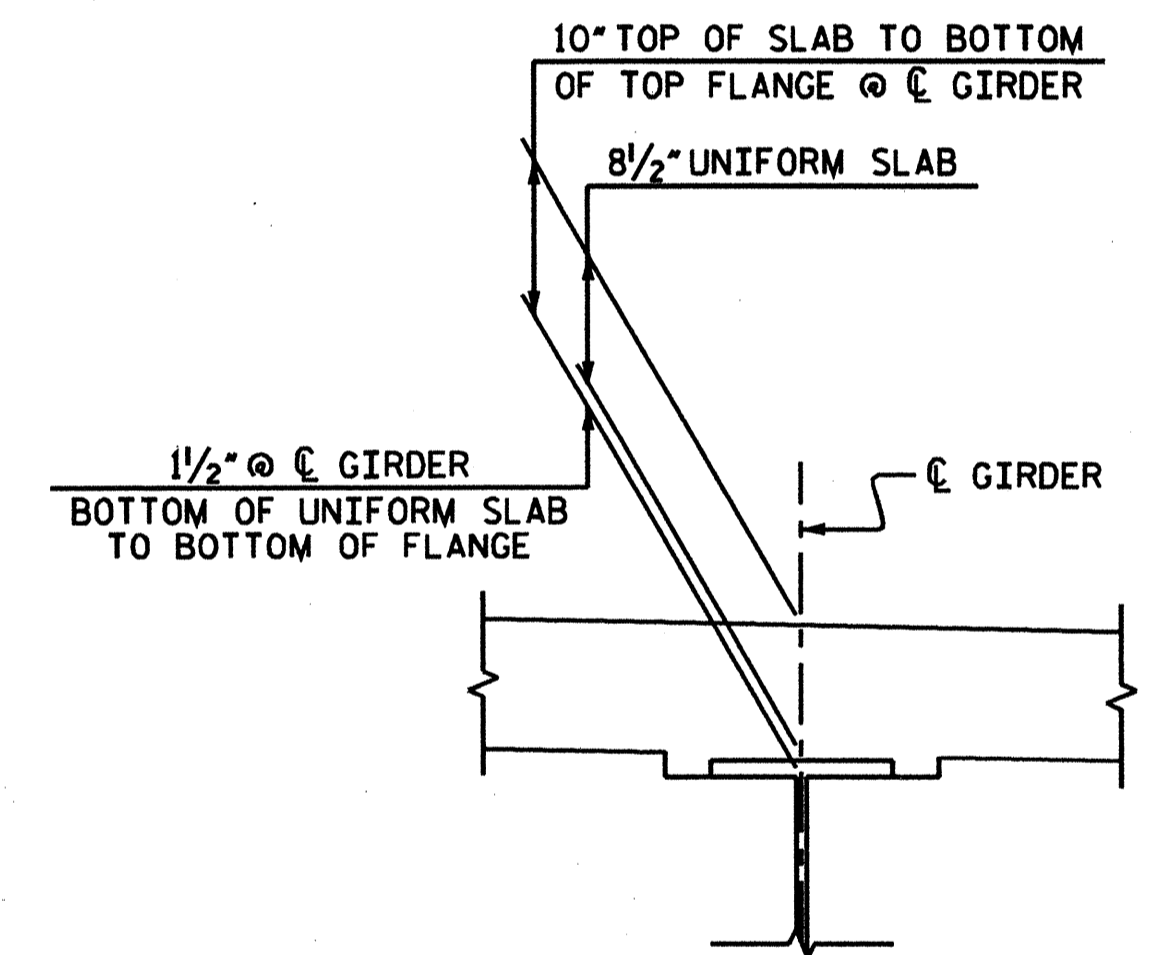


STAGE I CONSTRUCTION

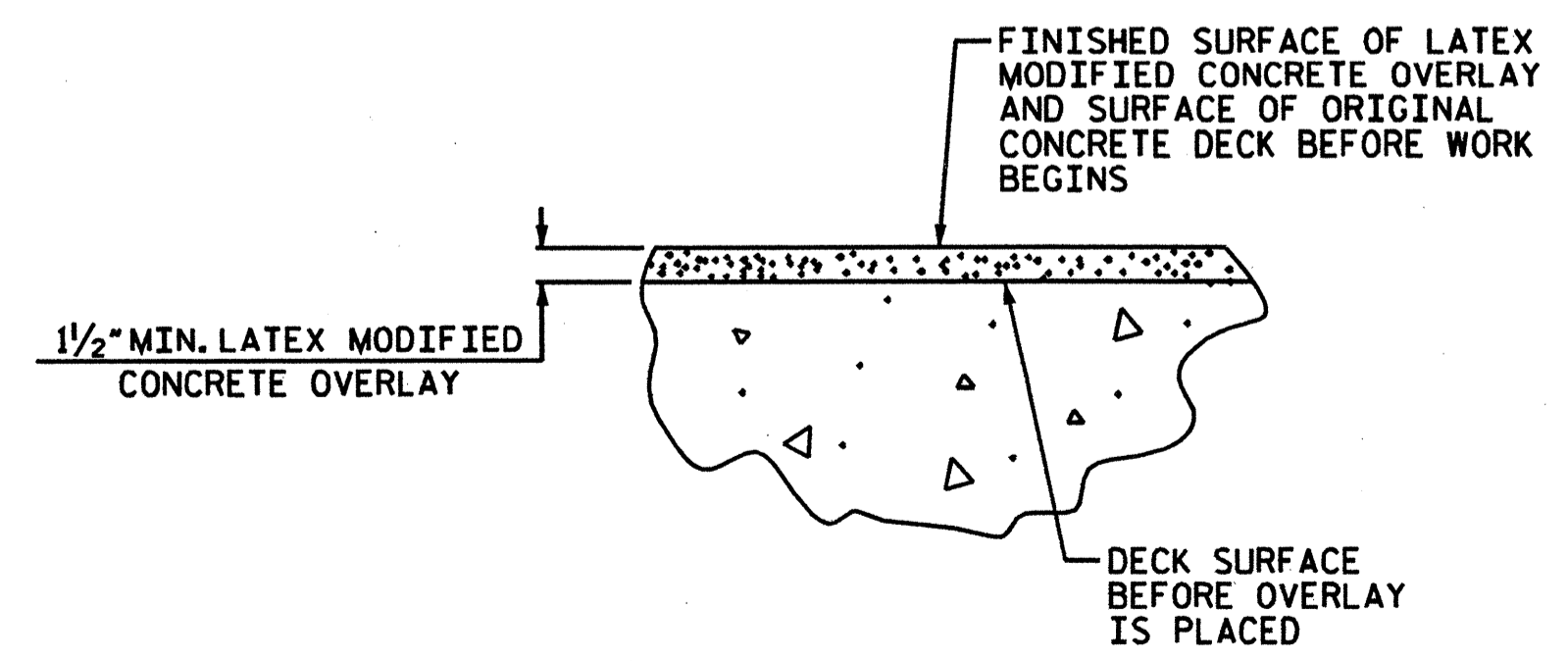
* RADIAL DIMENSION



STAGE II CONSTRUCTION



DETAIL "A"



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

PROJECT NO. B-5179C
BUNCOMBE COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

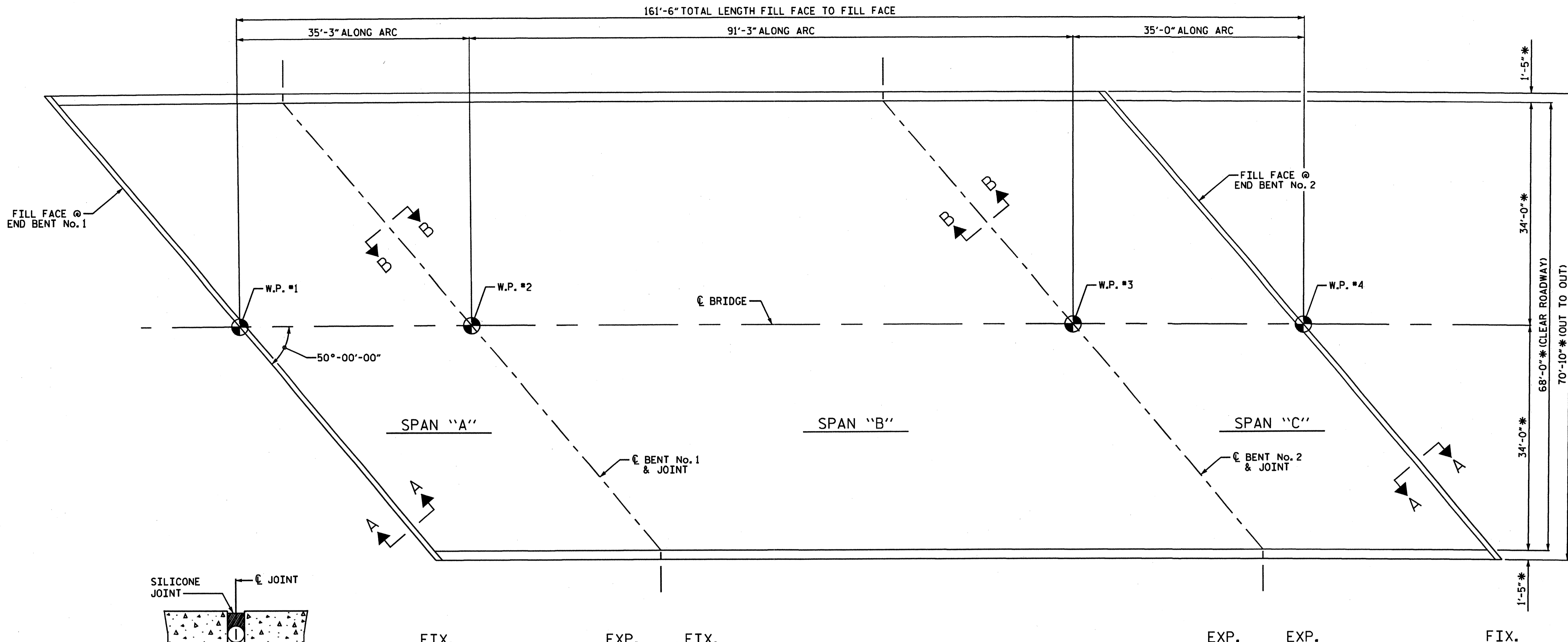
TYPICAL SECTION

DECK REHAB. FOR BRIDGE No. 444

REVISIONS						SHEET NO. S-18
NO.	BYs	DATEs	NO.	BYs	DATEs	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : T. BANKOVICH DATE : 10-2009
 CHECKED BY : T. KOCH DATE : 11-2009

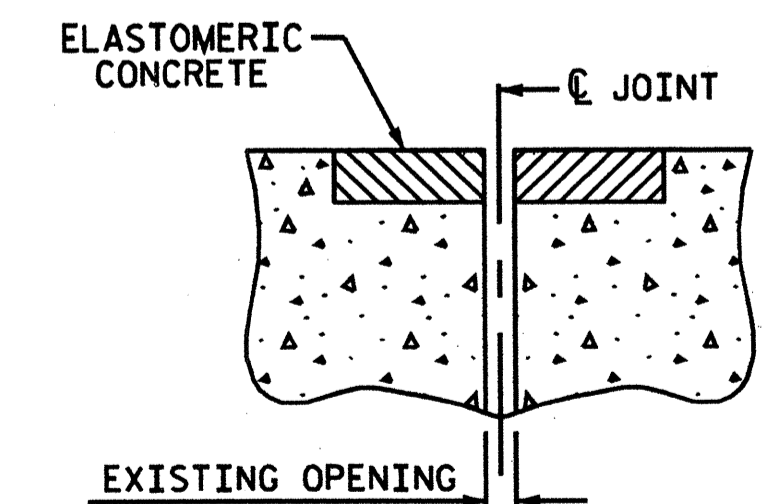
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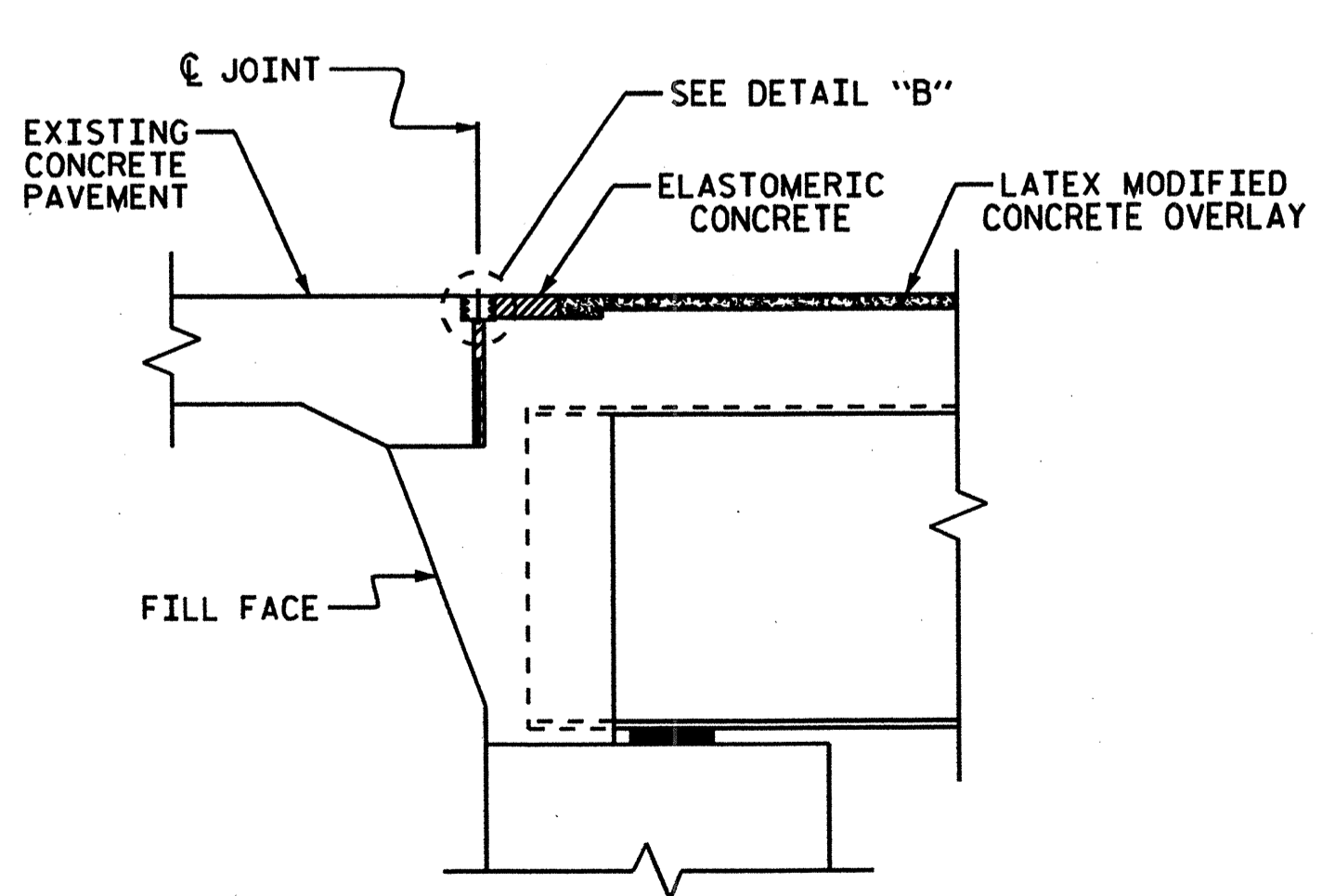
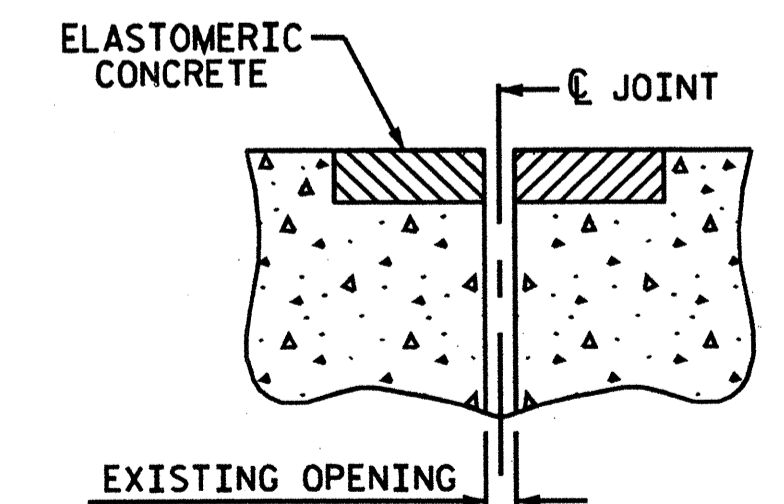
PLAN OF SPANS

* RADIAL DIMENSION

EXISTING SILICONE JOINT DETAIL @ END BENTS
TO BE REMOVED

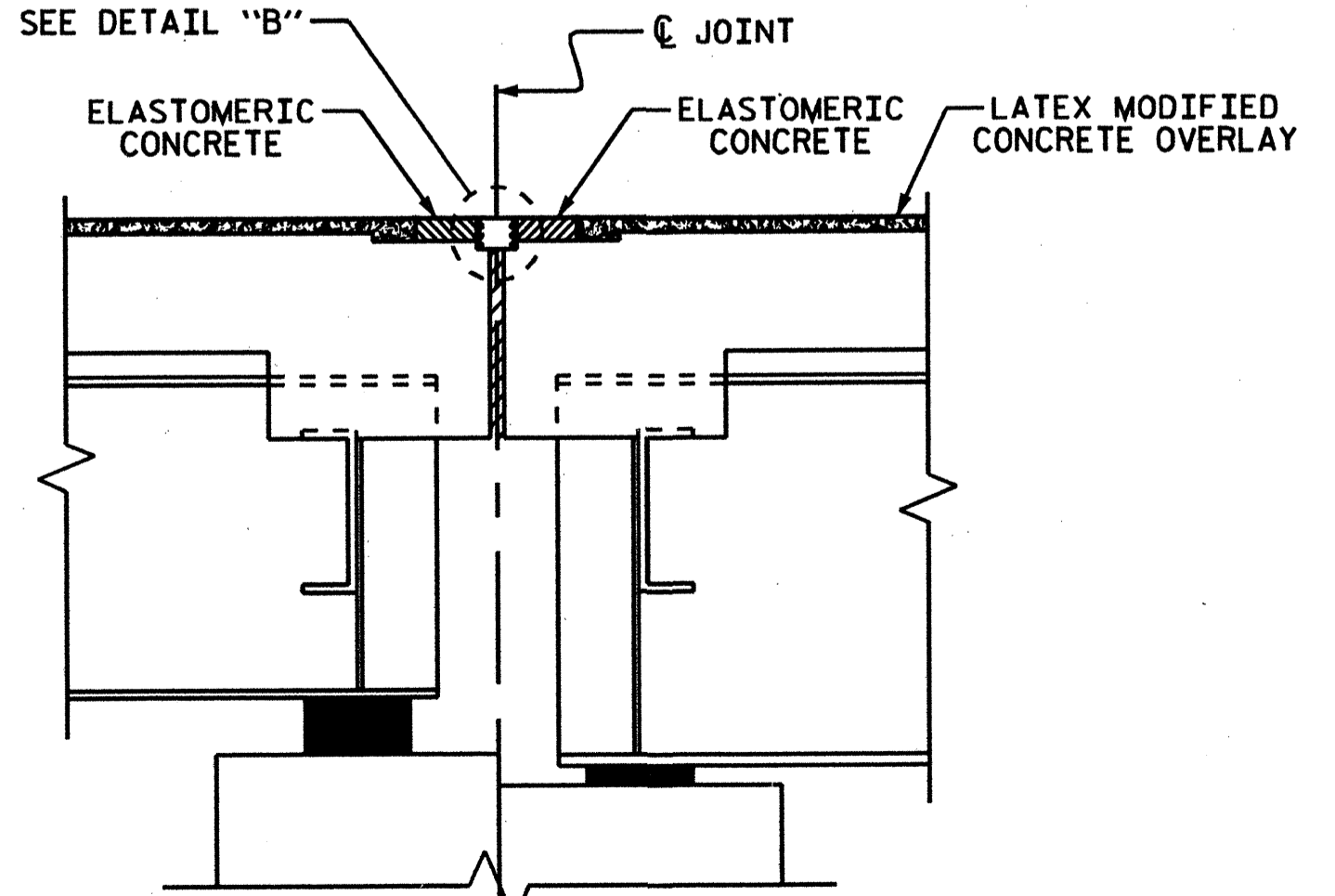


EXISTING ELASTOMERIC CONCRETE OPEN SEAL JOINTS @ BENTS
TO BE REMOVED



SECTION A-A

PROPOSED JOINT REPLACEMENT DETAIL



SECTION B-B

PROPOSED JOINT REPLACEMENT DETAIL

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____
SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

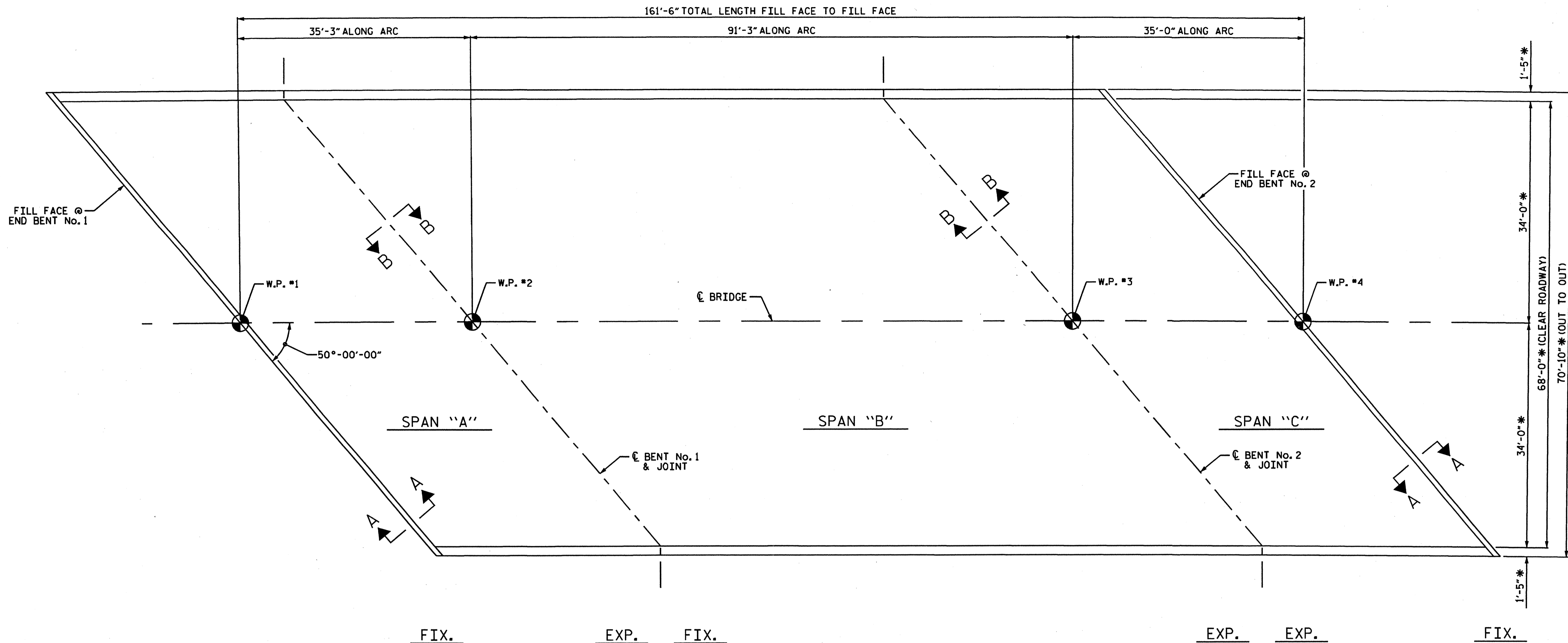
PLAN OF SPANS FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 444

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			49

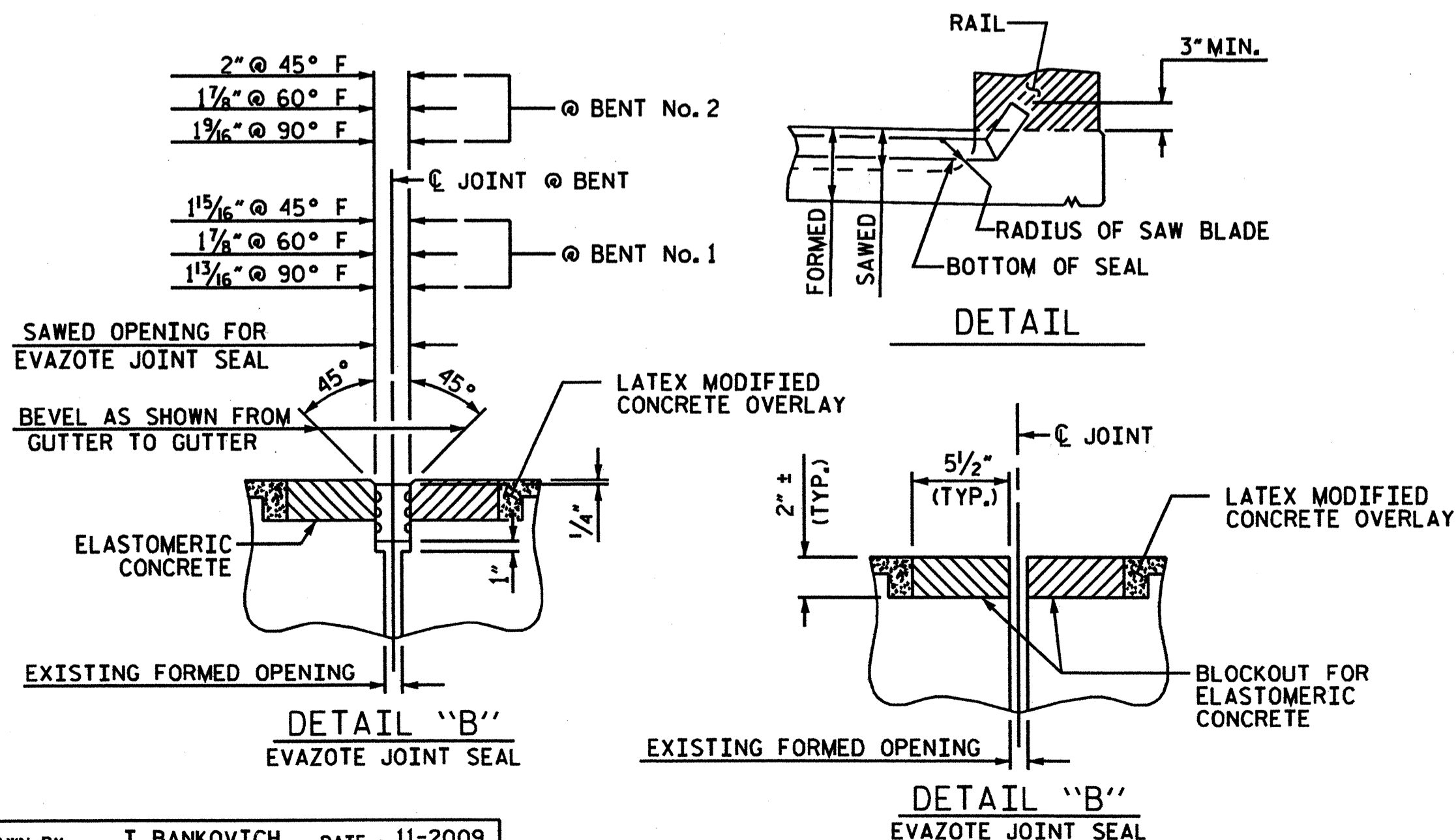
DRAWN BY : T. BANKOVICH DATE : 11-2009
CHECKED BY : T. KOCH DATE : 11-2009

*****SYTIME*****
*****USER*****



PLAN OF SPANS - DECK REPAIR

* RADIAL DIMENSION



TOTAL BILL OF MATERIAL						
SCARIFYING BRIDGE DECK	CLASS I* SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SQ. YDS.	SQ. YDS.	SQ. YDS.	CU. YDS.	SQ. YDS	LUMP SUM	SQ. FT.
1220	1220	1220	84.7	1220	LUMP SUM	10271

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

ELASTOMERIC CONCRETE	
BENT No.	ELASTOMERIC CONCRETE * (CU. FT.)
END BENT No. 1	6.8
BENT No. 1	13.6
BENT No. 2	13.6
END BENT No. 2	6.8
TOTAL	40.8

* BASED ON THE MINIMUM BLOCKOUT SHOWN

NOTE
NO CLASS II OR CLASS III REPAIR REQUIRED ON BRIDGE

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

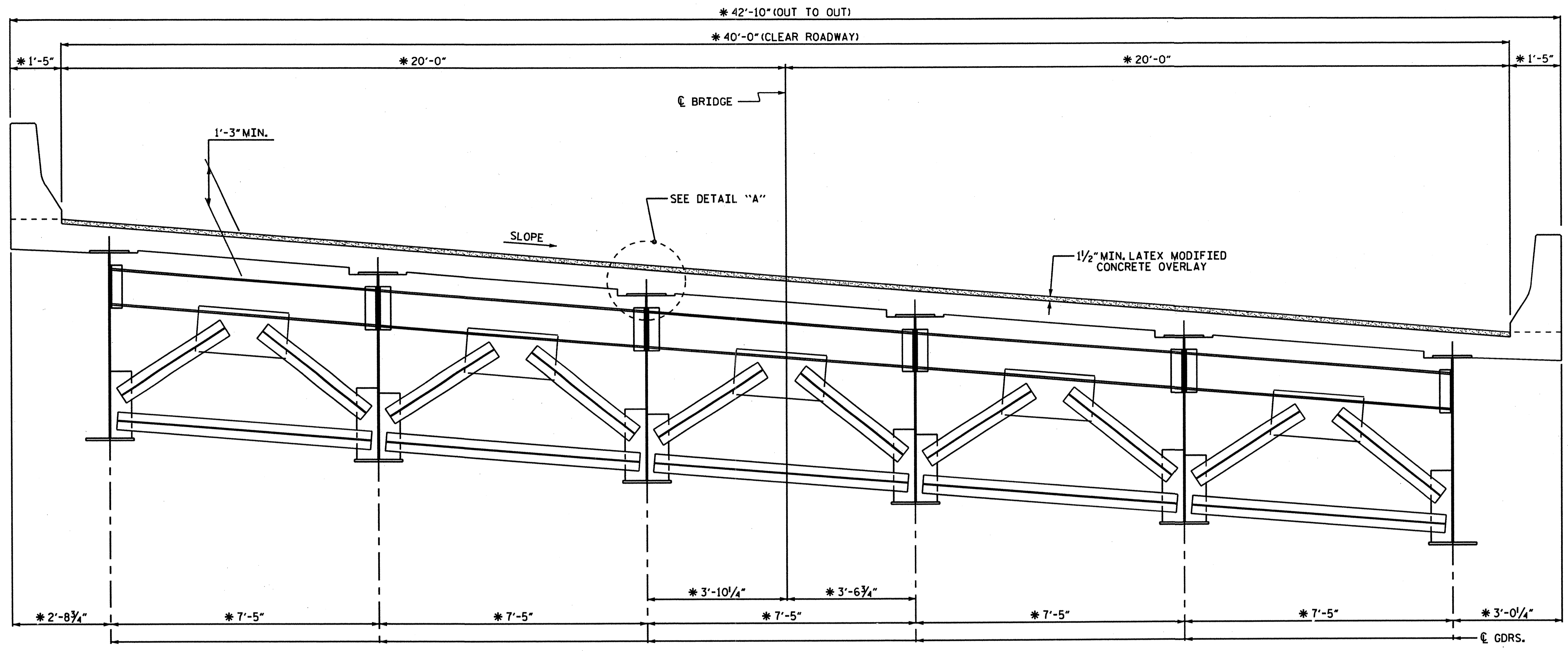
PLAN OF SPANS
FOR DECK REPAIR

DECK REHAB. FOR BRIDGE No. 444

REVISIONS				SHEET NO.
NO.	BY	DATE	NO.	DATE
1			3	
2			4	

DRAWN BY : T. BANKOVICH DATE : 11-2009
CHECKED BY : T. KOCH DATE : 11-2009

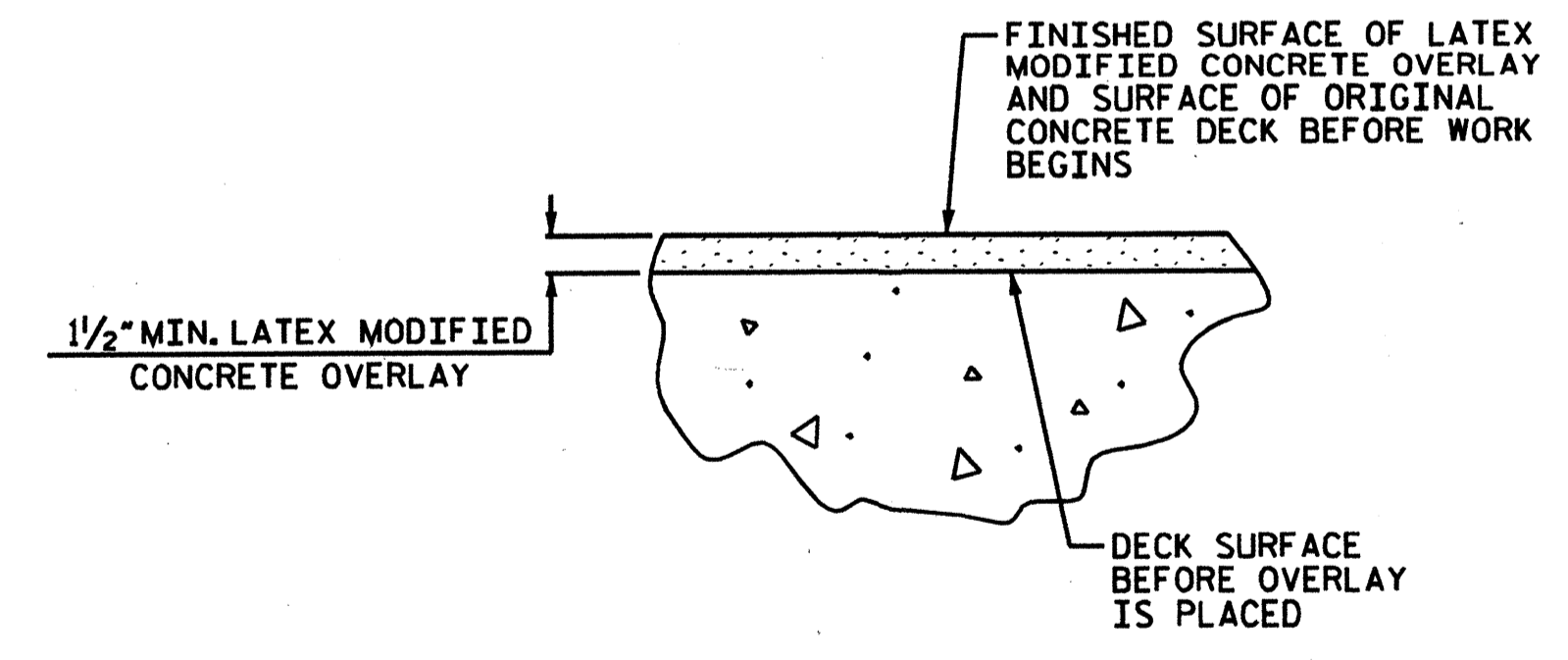
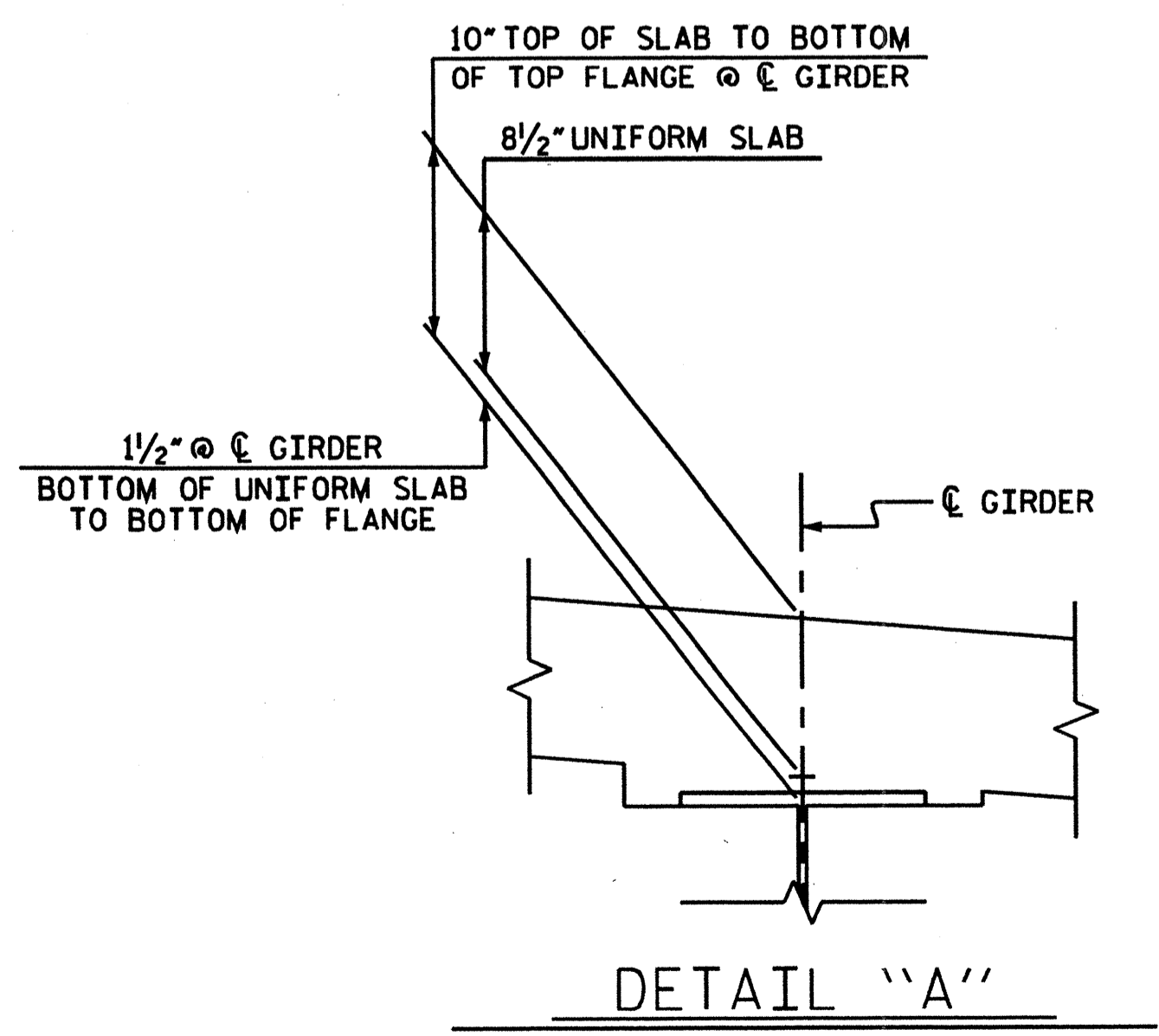
*****SYTIME*****
*****DGN*****
*****USERNAME*****



TYPICAL SECTION
 SHOWING BENT DIAPHRAMS

NOTES:

- FOR REPAIR OF BRIDGE DECKS WITH LATEX MODIFIED CONCRETE, SEE SPECIAL PROVISIONS.
- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT BENT No. 1 AND 3 1/16" AT BENT No. 2.
- FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
- FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.
- LATEX MODIFIED CONCRETE SHALL BE LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH.
- FOR LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- THE INSTALLED EVAZOTE JOINT SEALS SHALL BE WATERTIGHT.
- THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINT FOR THE EVAZOTE JOINT SEAL IN LIEU OF SAWING THE JOINT.
- FOR FIXED JOINT, SAW OUT WIDTH SHALL BE 1 1/8" AND CENTERED ABOUT THE JOINT.



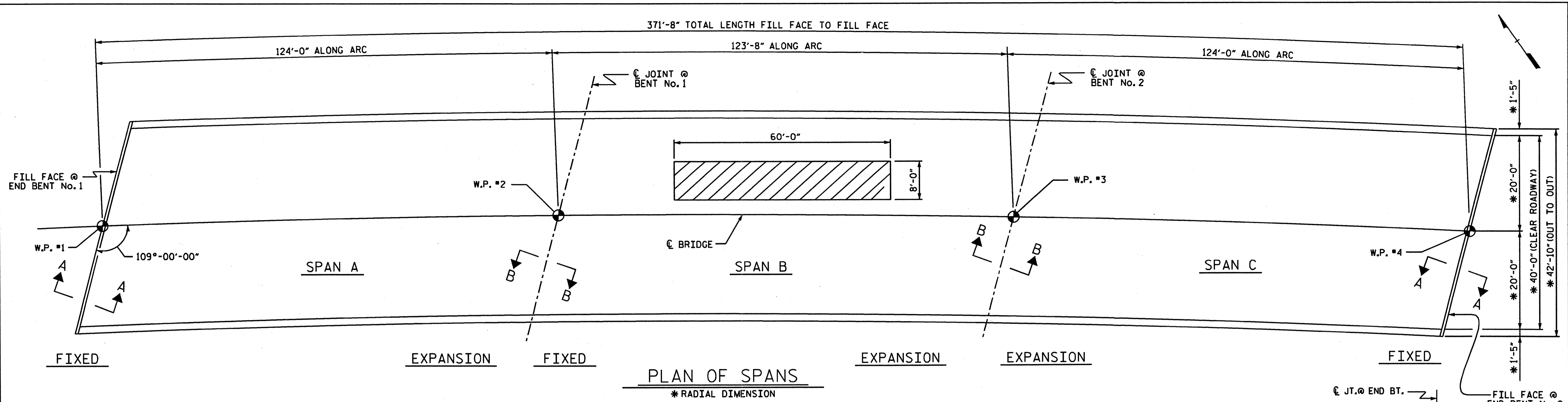
PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____
 SHEET 1 OF 3

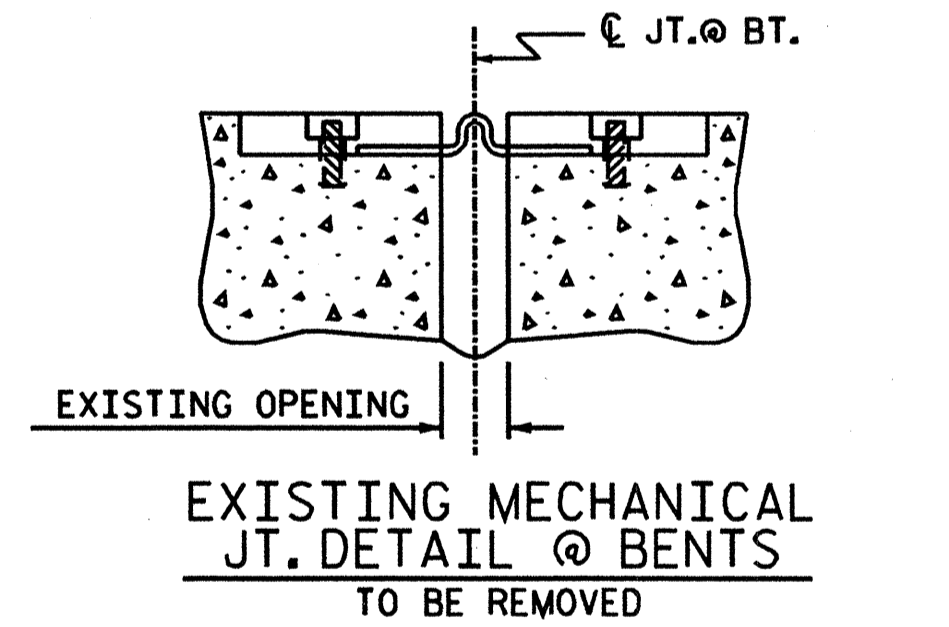
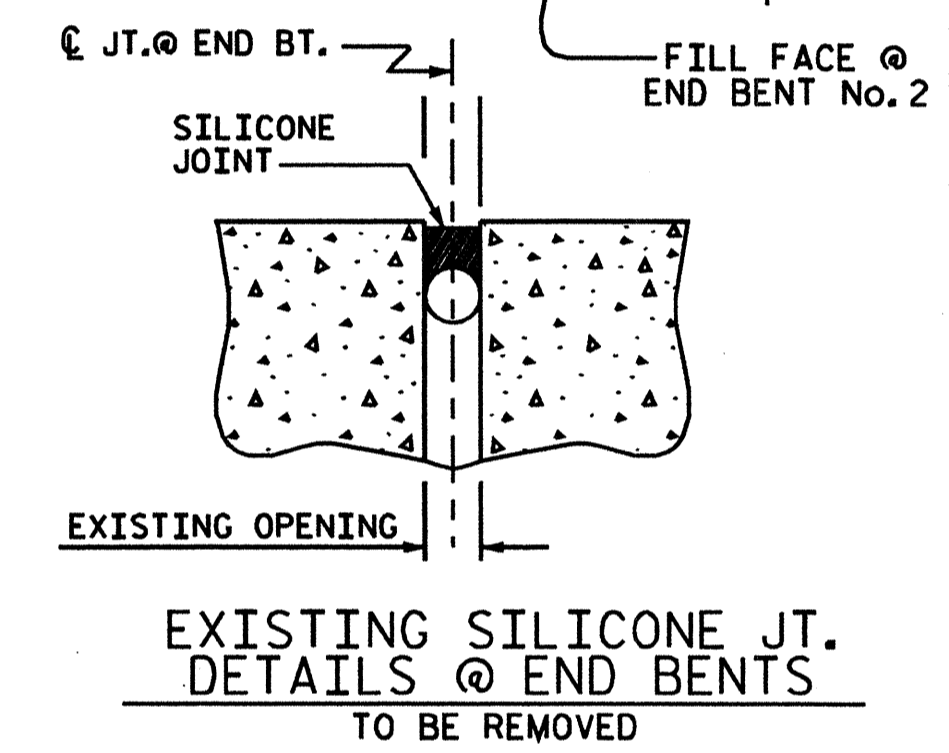
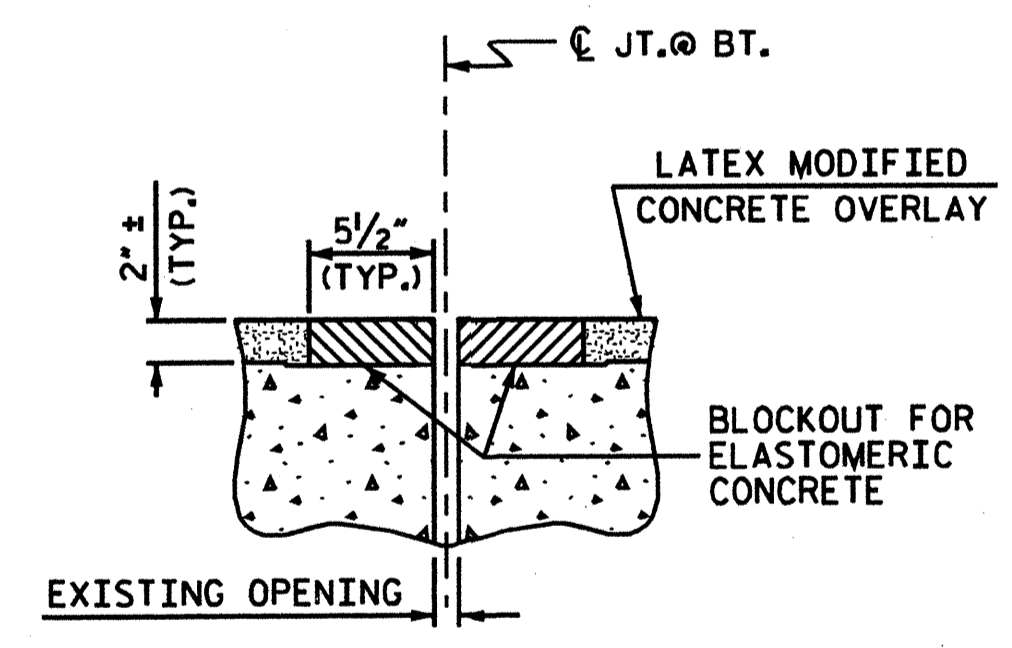
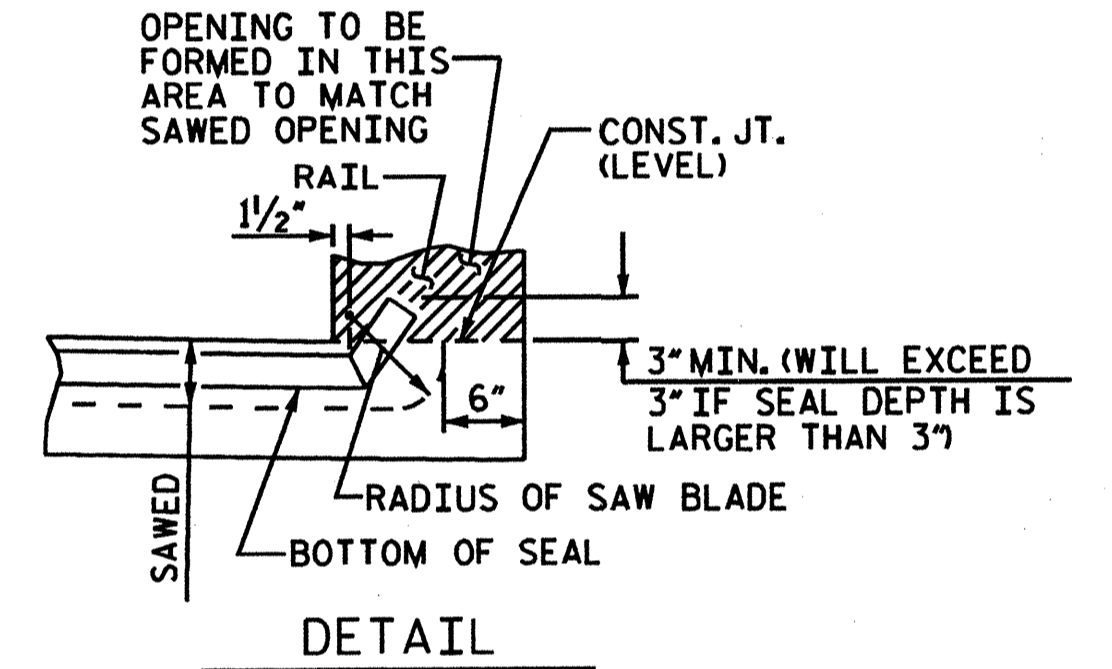
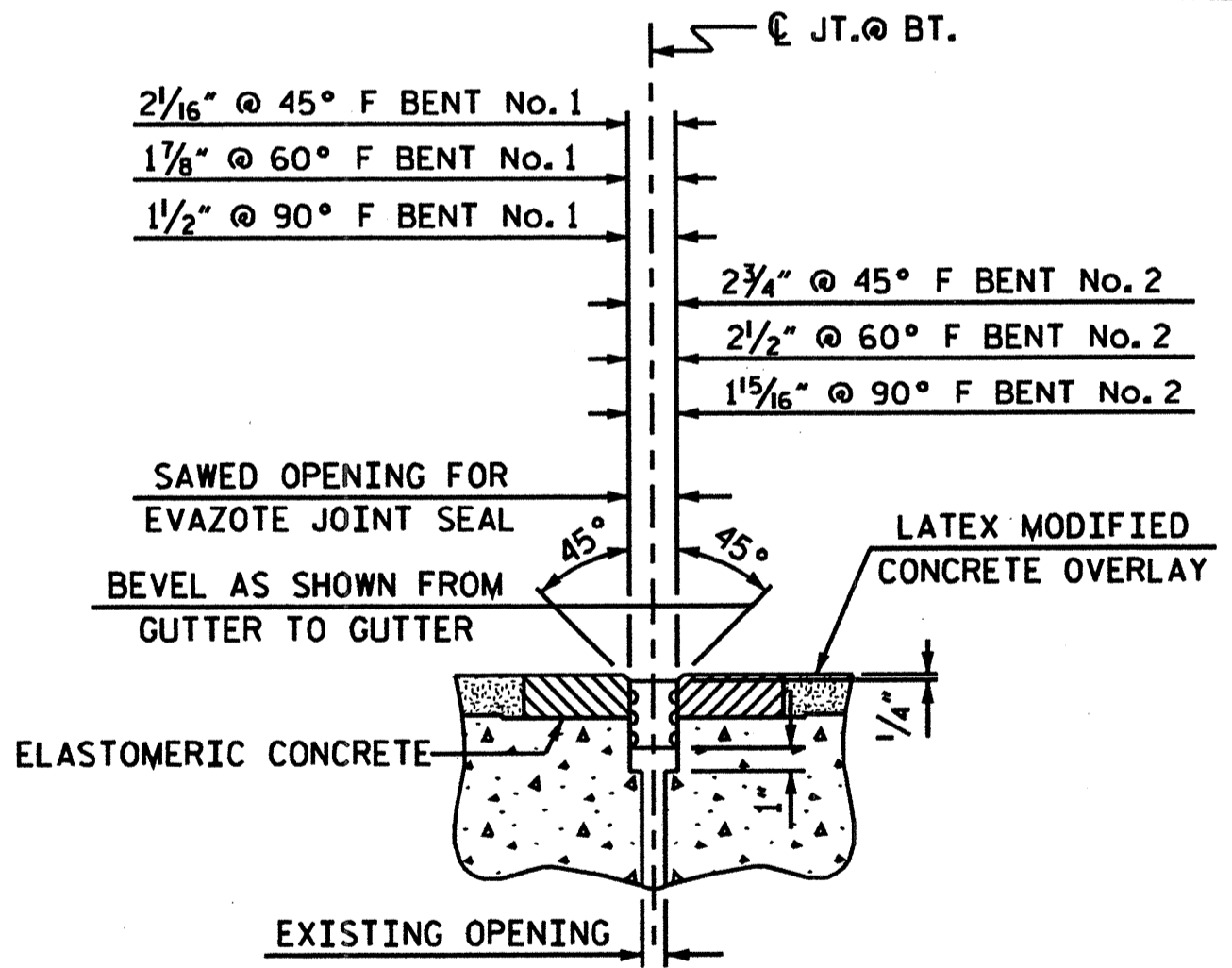
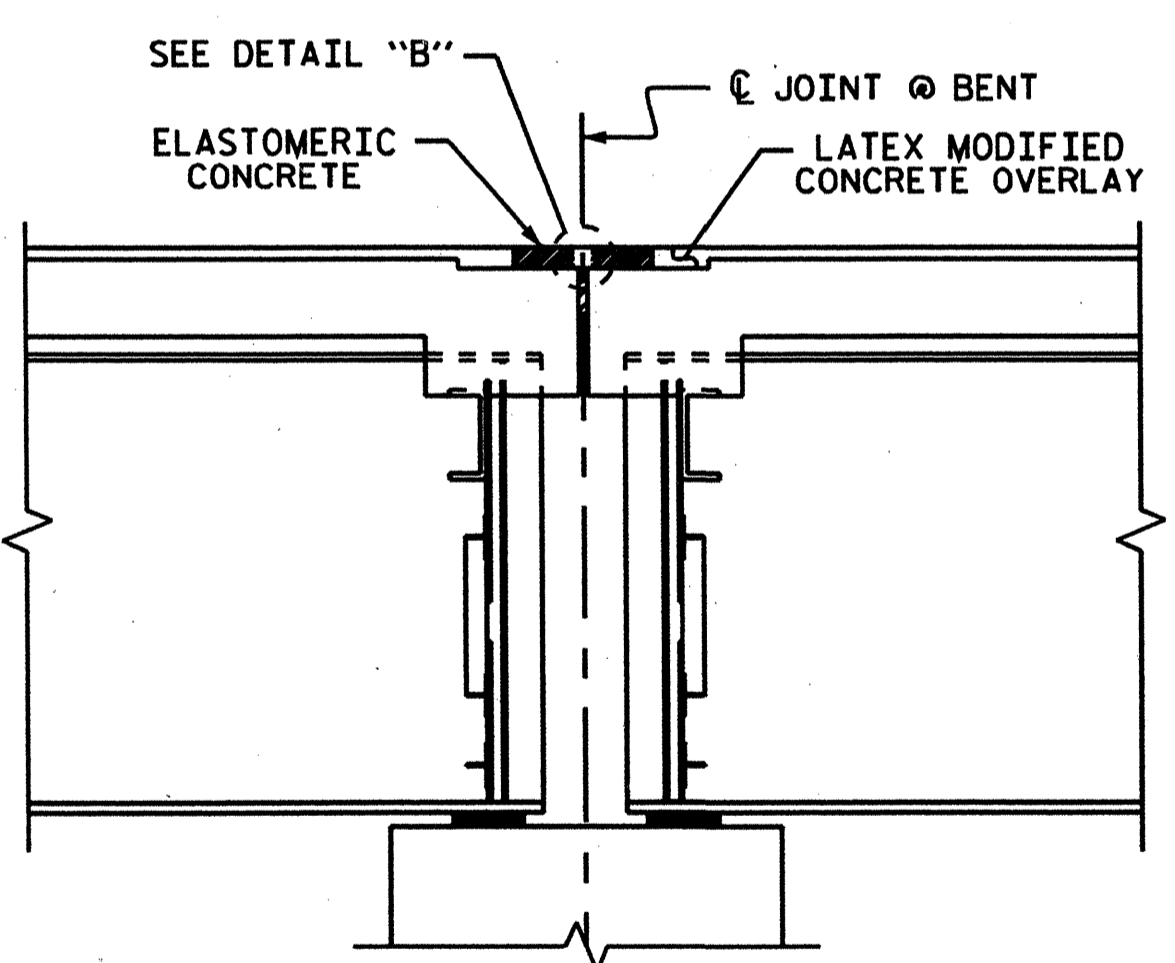
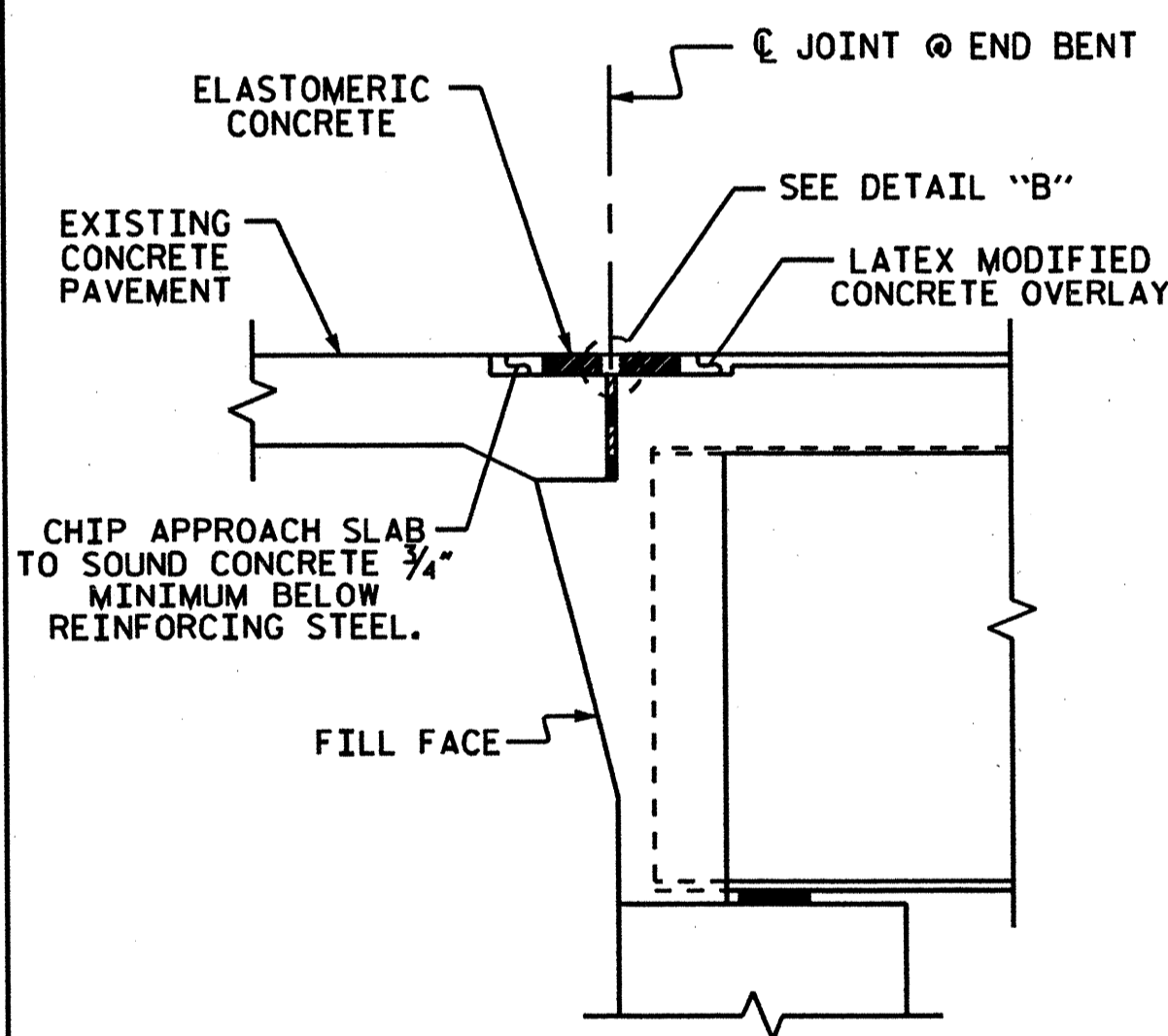
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
TYPICAL SECTION					
DECK REHAB. FOR BRIDGE No. 457					
REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
					TOTAL SHEETS
					49

DRAWN BY : I.B./DGE DATE : 11/2009
 CHECKED BY : I.KOCH DATE : 11/2009

*****SYTIME*****
 *****DCH*****
 *****USER*****



APPROX. AREA: CLASS II REPAIR



PROJECT NO. B-5179C
BUNCOMBE COUNTY
STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**PLAN OF SPANS
FOR DECK REPAIR**

DECK REHAB. FOR BRIDGE No. 457

REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	DATE	S-22
1			3		TOTALS
2			4		49

ELASTOMERIC CONCRETE	
BENT NO.	ELASTOMERIC CONCRETE ** (CU. FT.)
END BENT No. 1	6.5
BENT No. 1	6.5
BENT No. 2	6.5
END BENT No. 2	6.5
** TOTAL	26.0

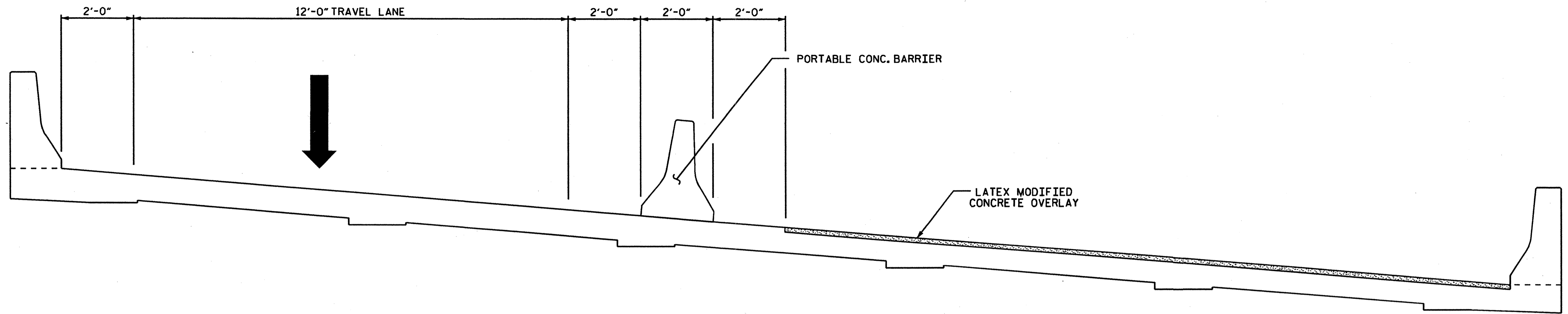
** BASED ON THE MINIMUM BLOCKOUT SHOWN.

TOTAL BILL OF MATERIAL							
SCARIFYING BRIDGE DECK	CLASS I SURFACE PREPARATION	CLASS II SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY-VERY EARLY STRENGTH	PLACING AND FINISHING LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.
1652	1598	54	1652	114.7	1652	LUMP SUM	13644

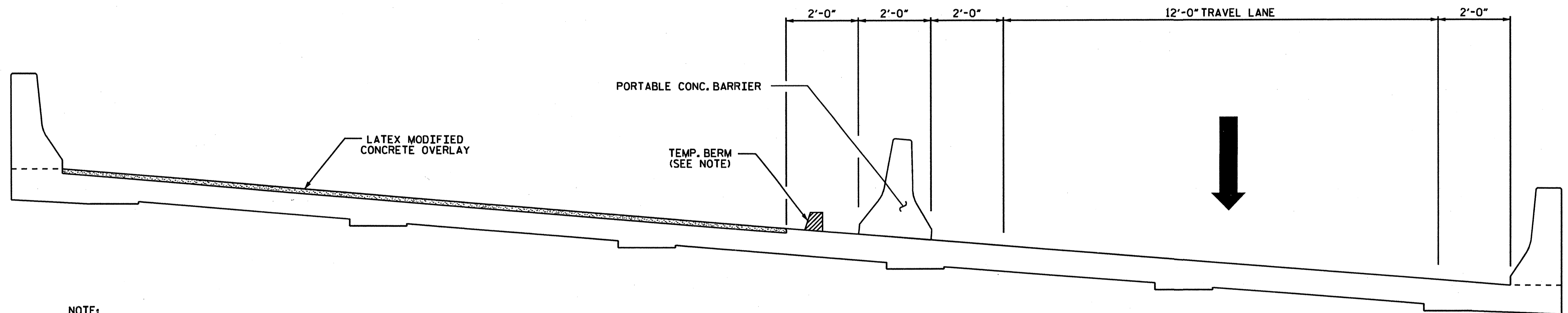
* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

DRAWN BY : D. G. ELY DATE : 11/09
CHECKED BY : T. KOCH DATE : 11/09

*****SYSTEM*****
*****DGN*****
*****USER*****



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

NOTE:
WATER & CONCRETE SLURRY FROM HYDRO-DEMOLITION
SHALL NOT BE ALLOWED TO DRAIN ACROSS TRAVEL LANES.
CONTRACTOR SHALL PROVIDE A METHOD TO CONTROL THE
WATER.

PROJECT NO. B-5179C
BUNCOMBE COUNTY

STATION: _____

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

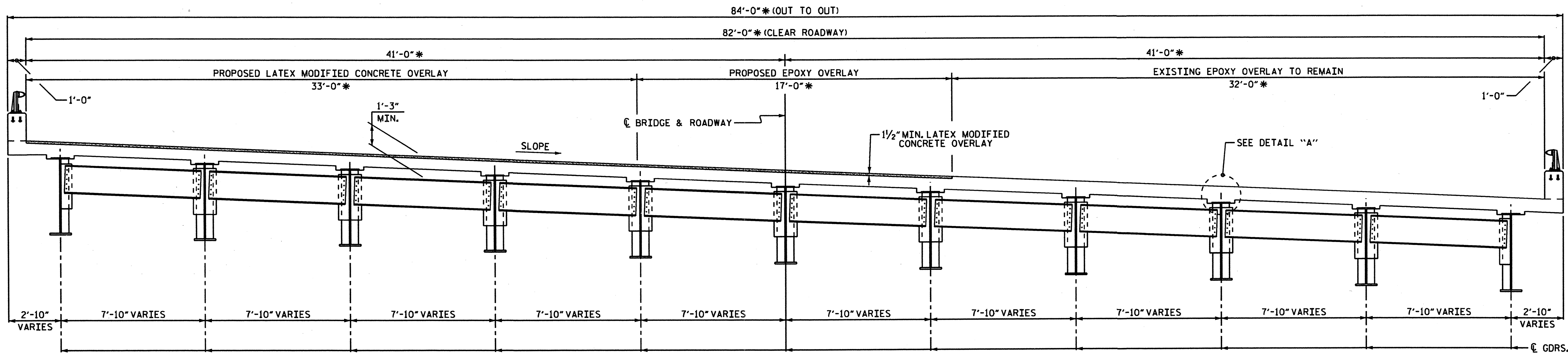
CONSTRUCTION
SEQUENCE

DECK REHAB. FOR BRIDGE No. 457

REVISIONS						SHEET NO.
NO.	BYs	DATEs	NO.	BYs	DATEs	S-23
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : D. G. ELY DATE : 11/2009
CHECKED BY : T. KOCH DATE : 11/2009

*****SYSTEM*****
*****DGN*****
*****USERNAME*****

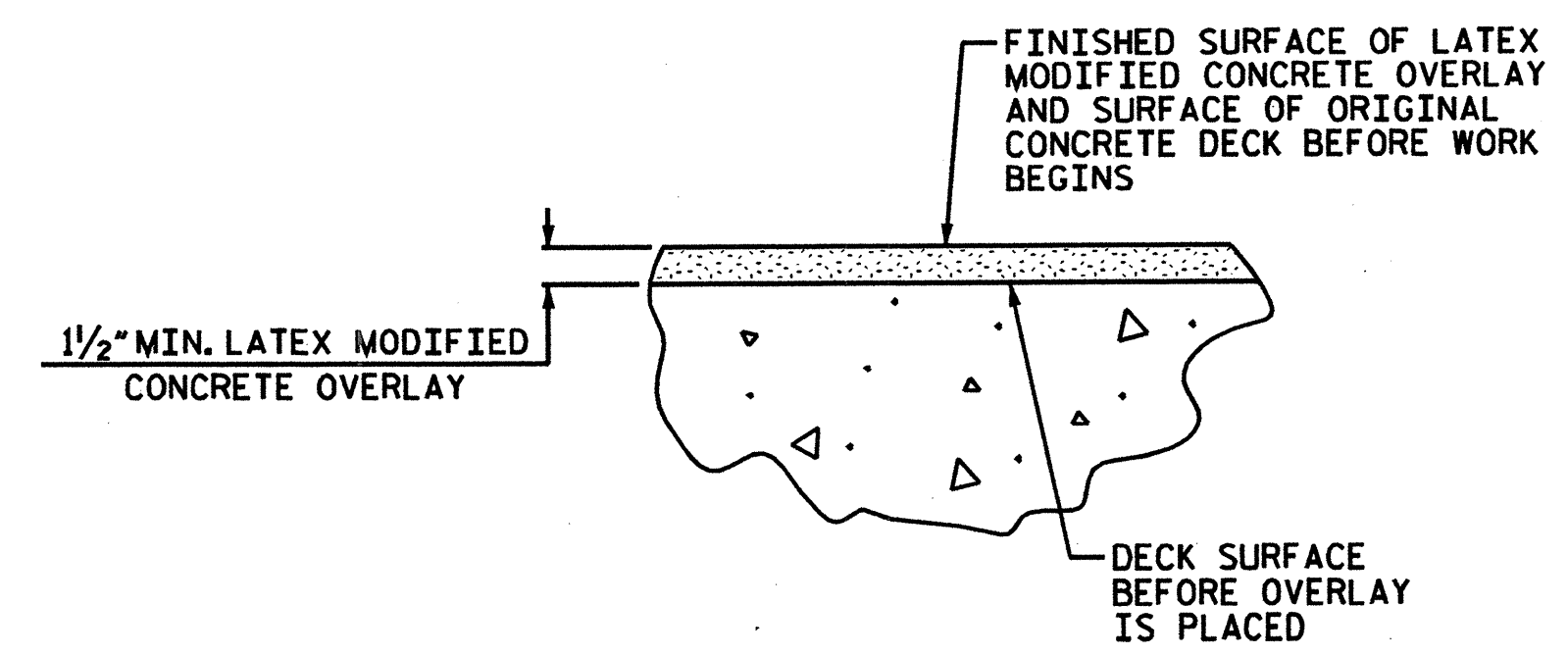


TYPICAL SECTION

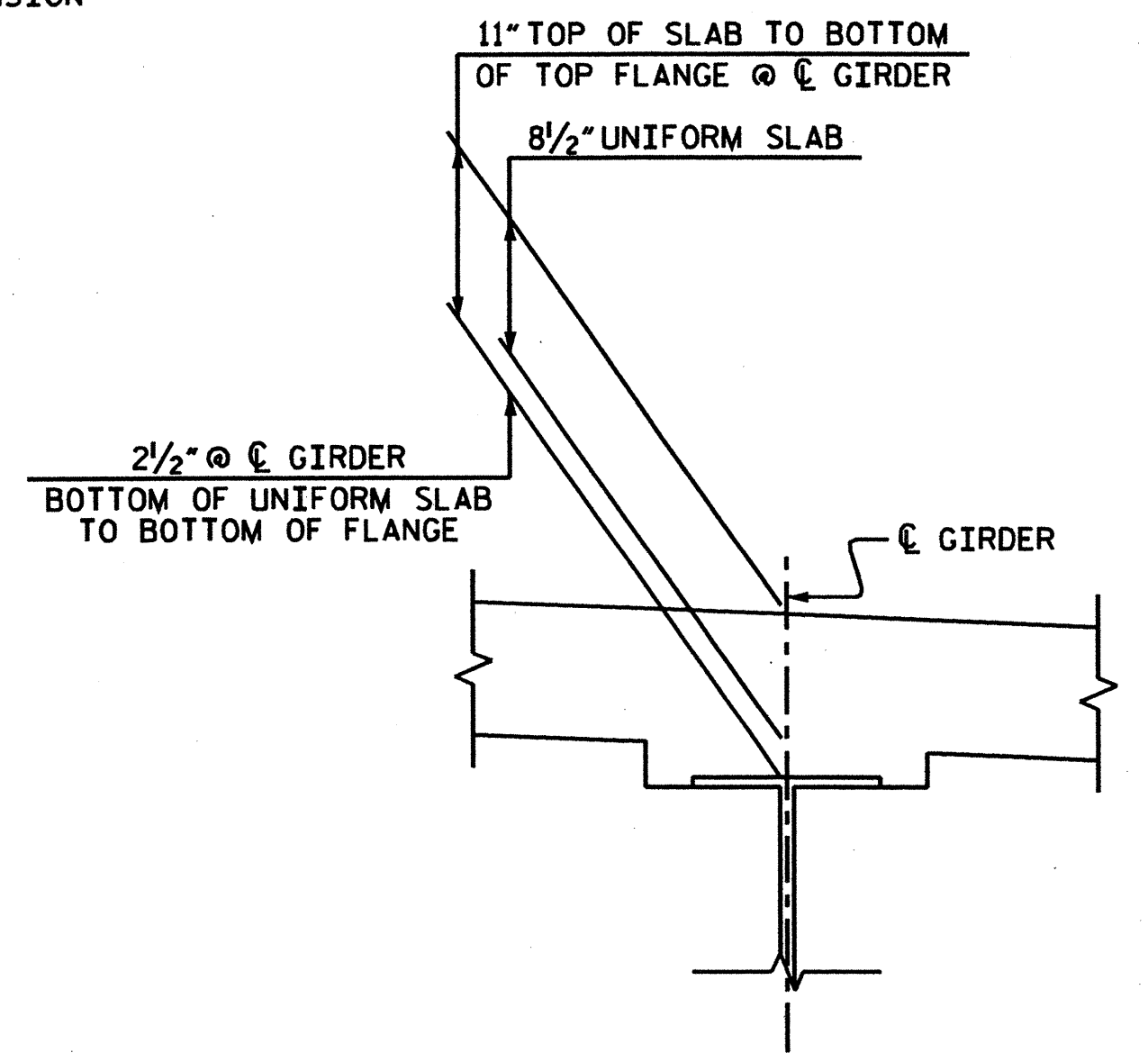
SHOWING DIAPHRAGMS AT BENTS

* RADIAL DIMENSION

- NOTES:**
- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
 - THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
 - THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENTS 1 & 2 AND BENTS 1, 2, & 3.
 - FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
 - FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.
 - FOR LATEX MODIFIED CONCRETE, SEE SPECIAL PROVISIONS.
 - FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH" SPECIAL PROVISION.
 - FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
 - FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
 - THE INSTALLED EVAZOTE JOINT SEALS SHALL BE WATERTIGHT.



DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY



DETAIL "A"

PROJECT NO. B-5179C
MADISON COUNTY
BUNCOMBE

STATION: _____
 SHEET 1 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

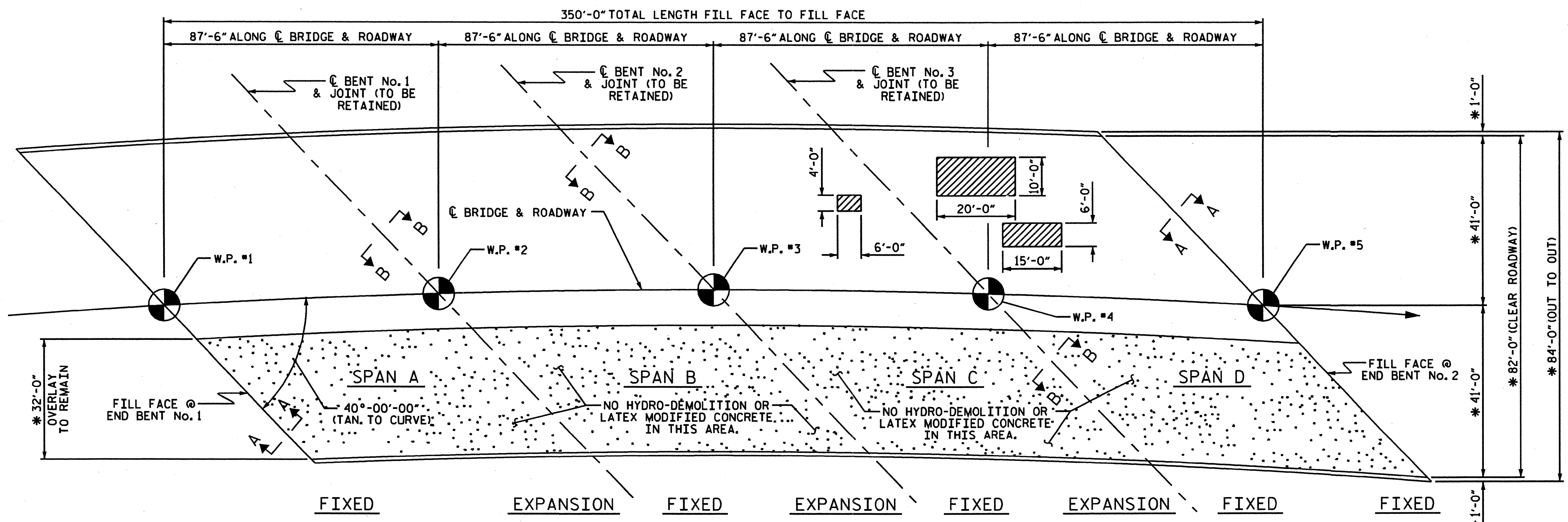
TYPICAL SECTION

DECK REHAB. FOR BRIDGE No. 528

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-24
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : T.B./D.G.E. DATE : 11-2009
 CHECKED BY : I. KOCH DATE : 11-2009

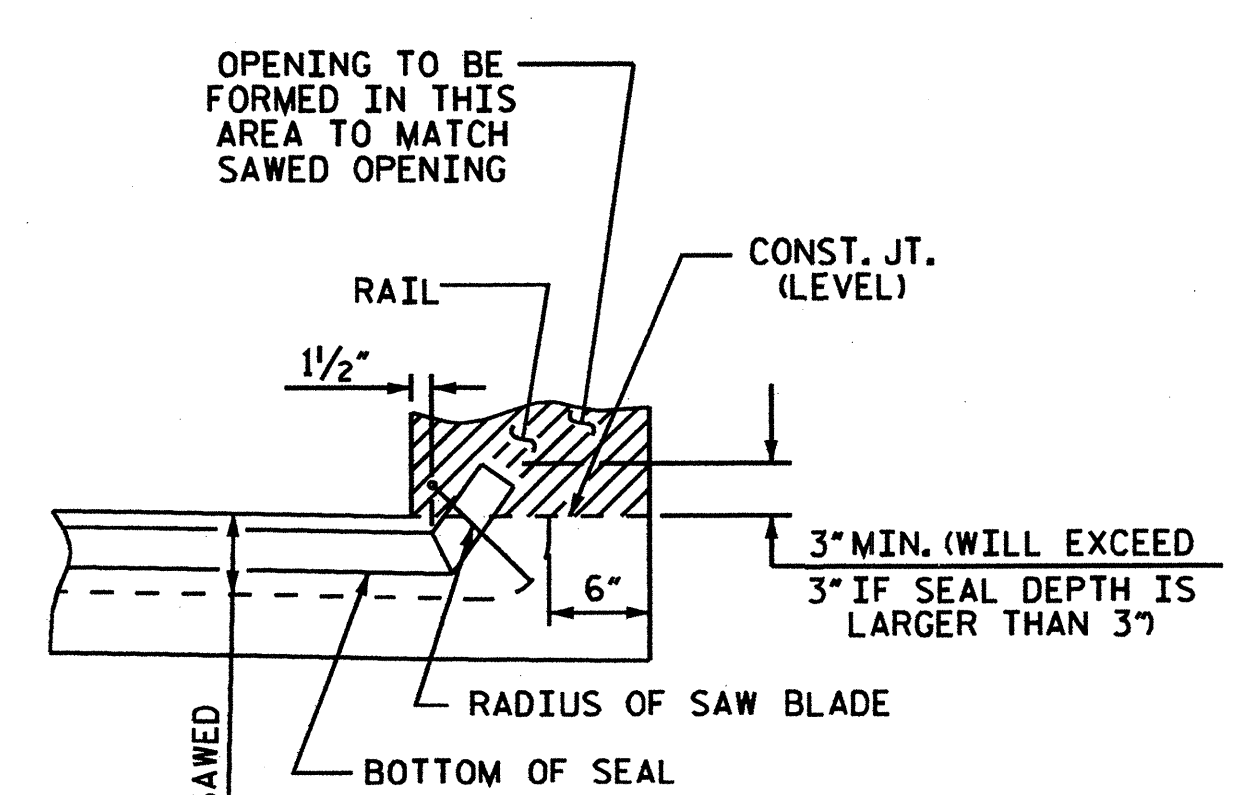
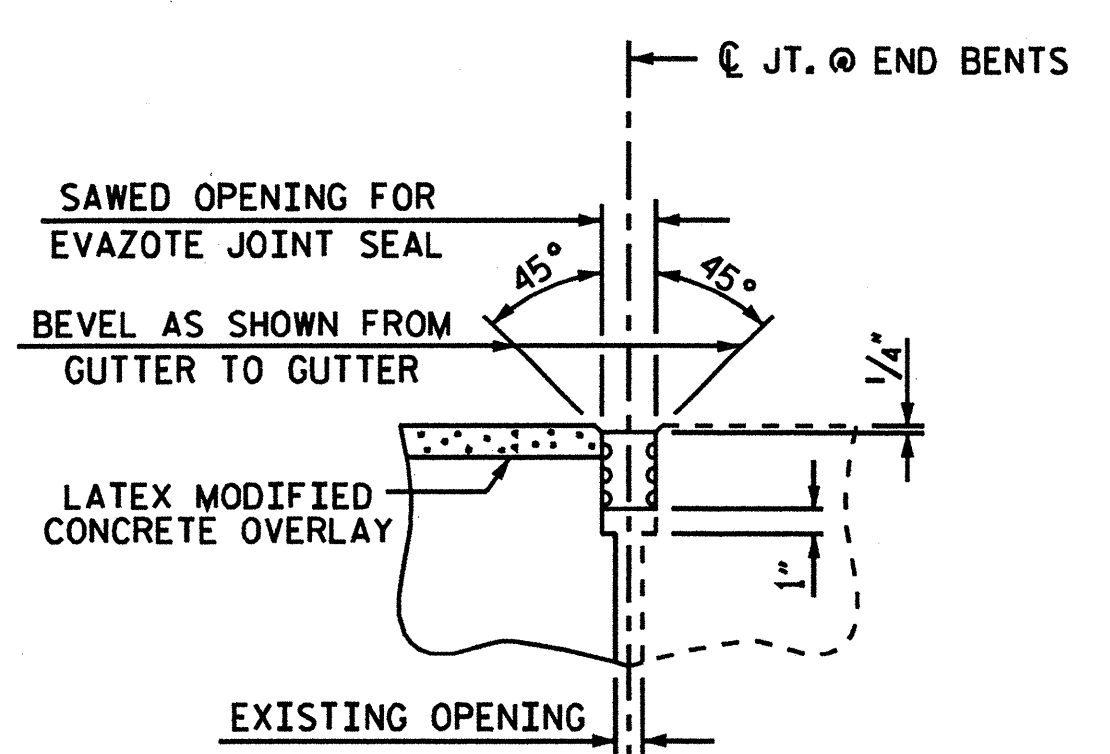
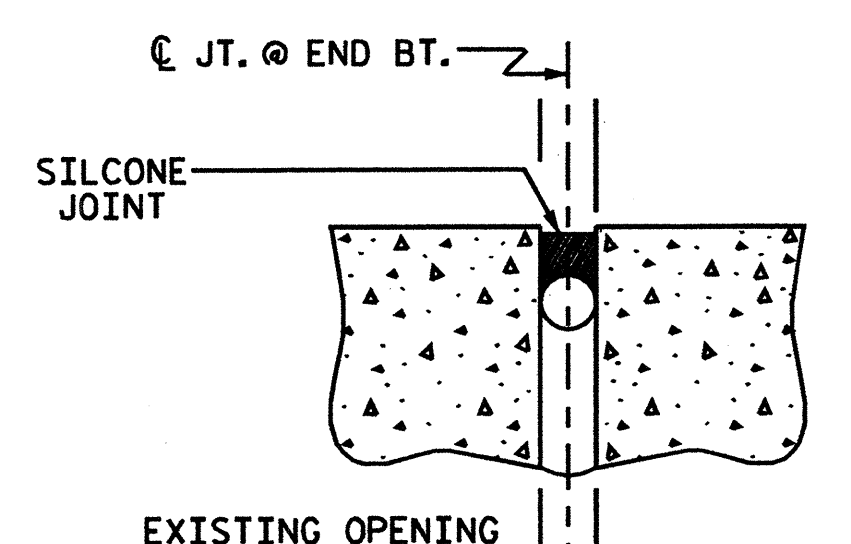
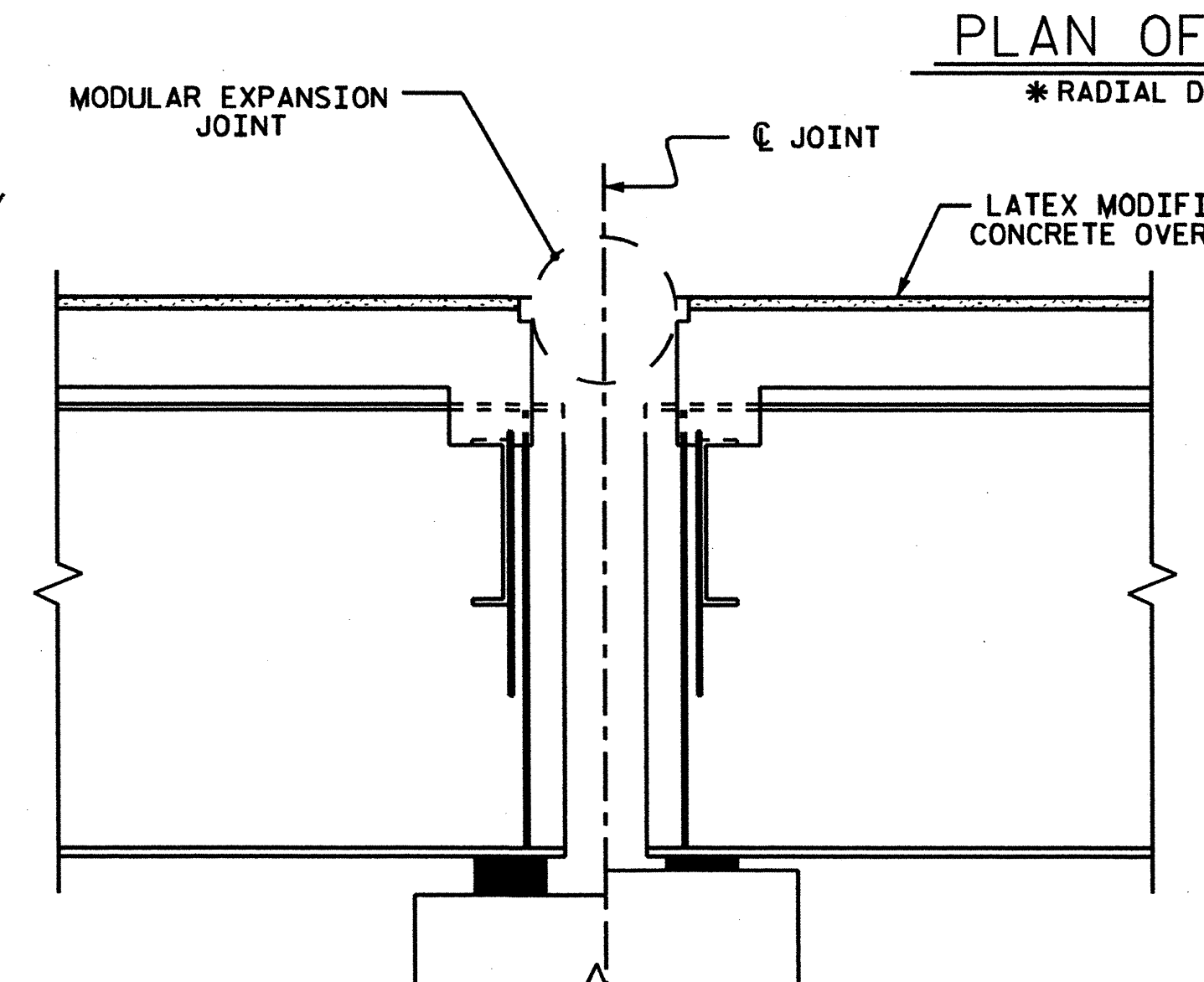
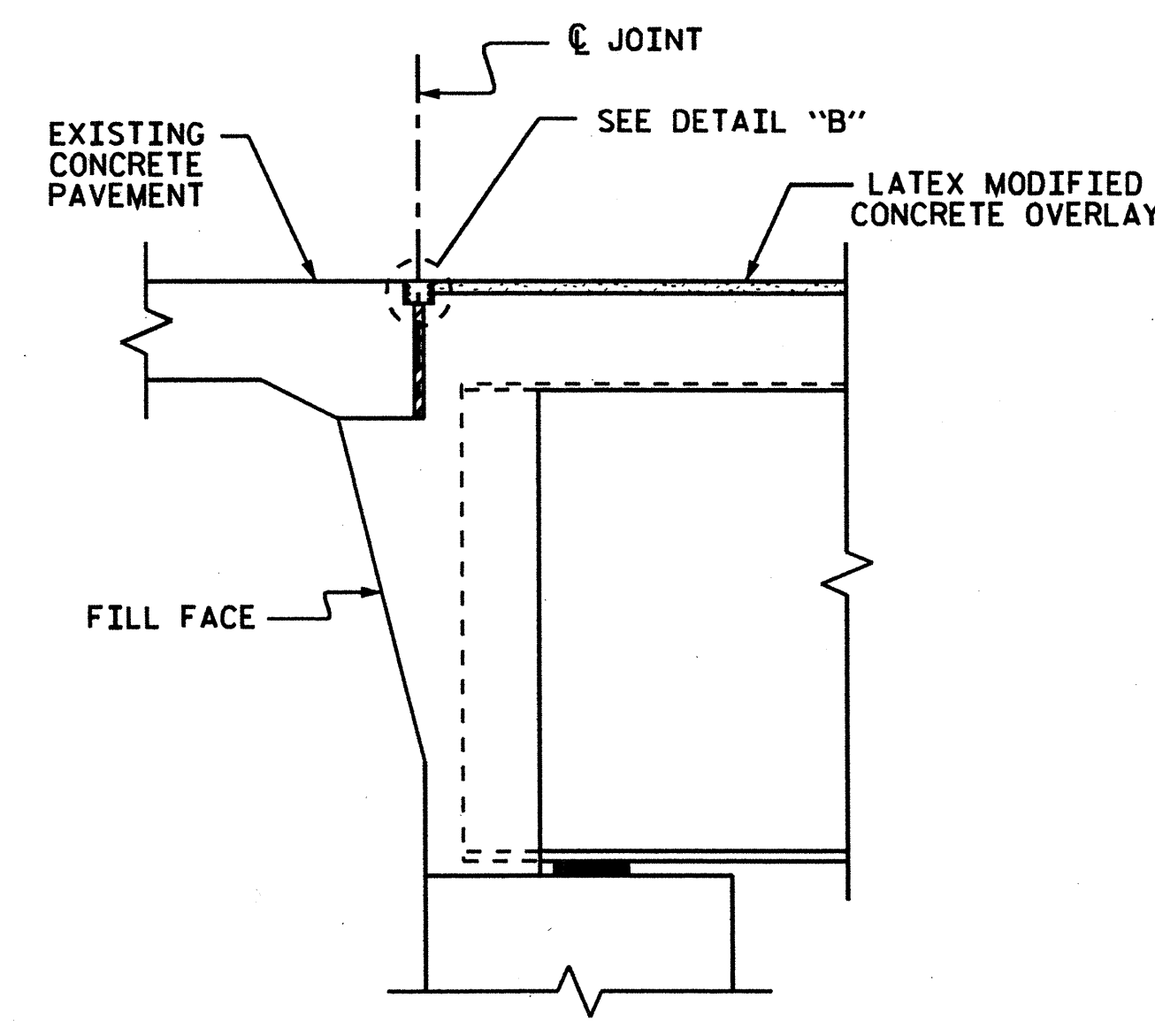
*****SYSTEM*****
 *****DGN*****
 *****USERNAME*****



APPROX. AREA: CLASS II REPAIR

NO HYDRO-DEMOLITION OR LATEX MODIFIED CONCRETE IN THIS AREA

PLAN OF SPANS



PROJECT NO. B-5179C

MADISON-BUNCOMBE COUNTY

STATION: _____

SHEET 2 OF 3

TOTAL BILL OF MATERIAL								
SCARIFYING BRIDGE DECK	CLASS I * SURFACE PREPARATION	CLASS II * SURFACE PREPARATION	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE OVERLAY	PLACING AND FINISHING LATEX MODIFIED CONCRETE	EVAZOTE JOINT SEALS	EPOXY/STONE OVERLAY	GROOVING BRIDGE FLOORS
SO. YDS.	SO. YDS.	SO. YDS.	SO. YDS.	CU. YDS.	SO. YDS.	LUMP SUM	SO. FT.	SO. FT.
1283	1248	35	1283	89	1283	LUMP SUM	5950	11005

* QUANTITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			S-25
2			4			TOTAL SHEETS 49

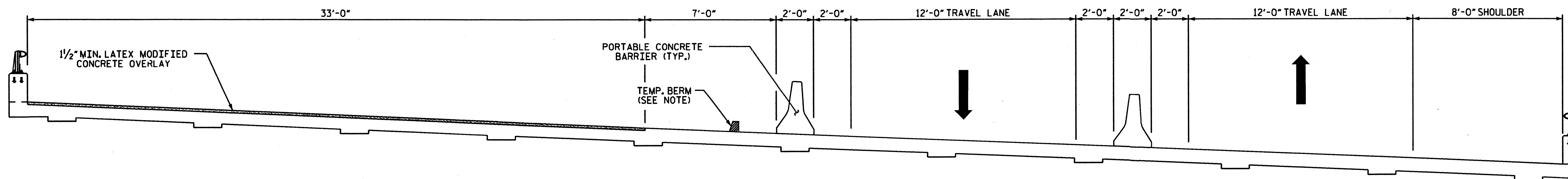
DRAWN BY: D. G. ELY DATE: 11/2009

CHECKED BY: T. KOCH DATE: 11/2009

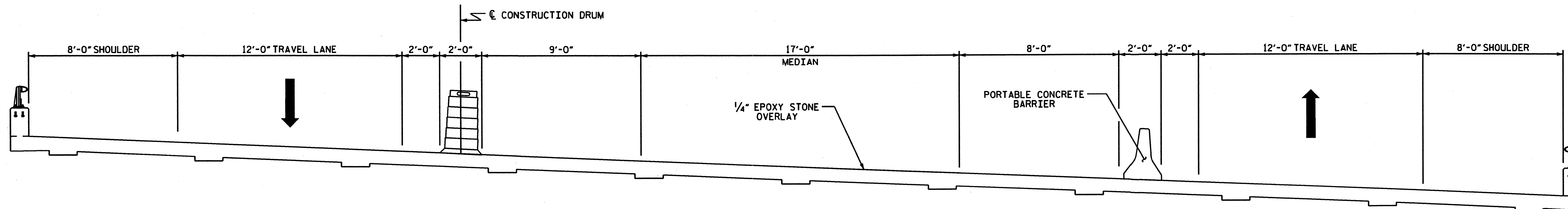
*****SYTIME*****

*****DGN*****

*****USERNAME*****



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

NOTE:
 WATER & CONCRETE SLURRY FROM HYDRO-DEMOLITION
 SHALL NOT BE ALLOWED TO DRAIN ACROSS TRAVEL LANES.
 CONTRACTOR SHALL PROVIDE A METHOD TO CONTROL THE
 WATER.

PROJECT NO. B-5179C
MADISON COUNTY
BUNCOMBE

STATION: _____
 SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

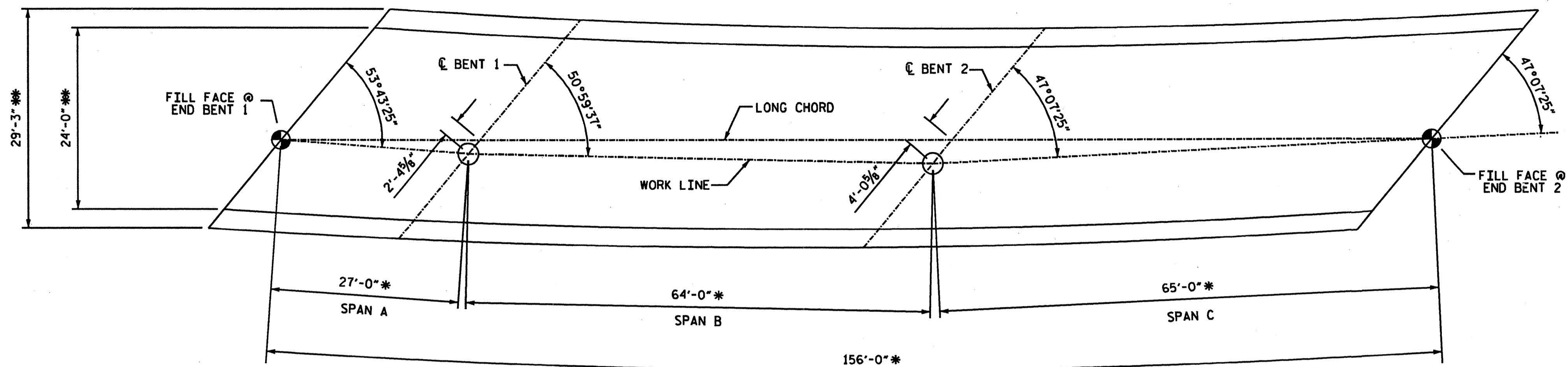
CONSTRUCTION
 SEQUENCE

DECK REHAB. FOR BRIDGE No. 528

REVISIONS						SHEET NO.
NO.	BYs	DATEs	NO.	BYs	DATEs	S-26
1			3			TOTAL SHEETS
2			4			49

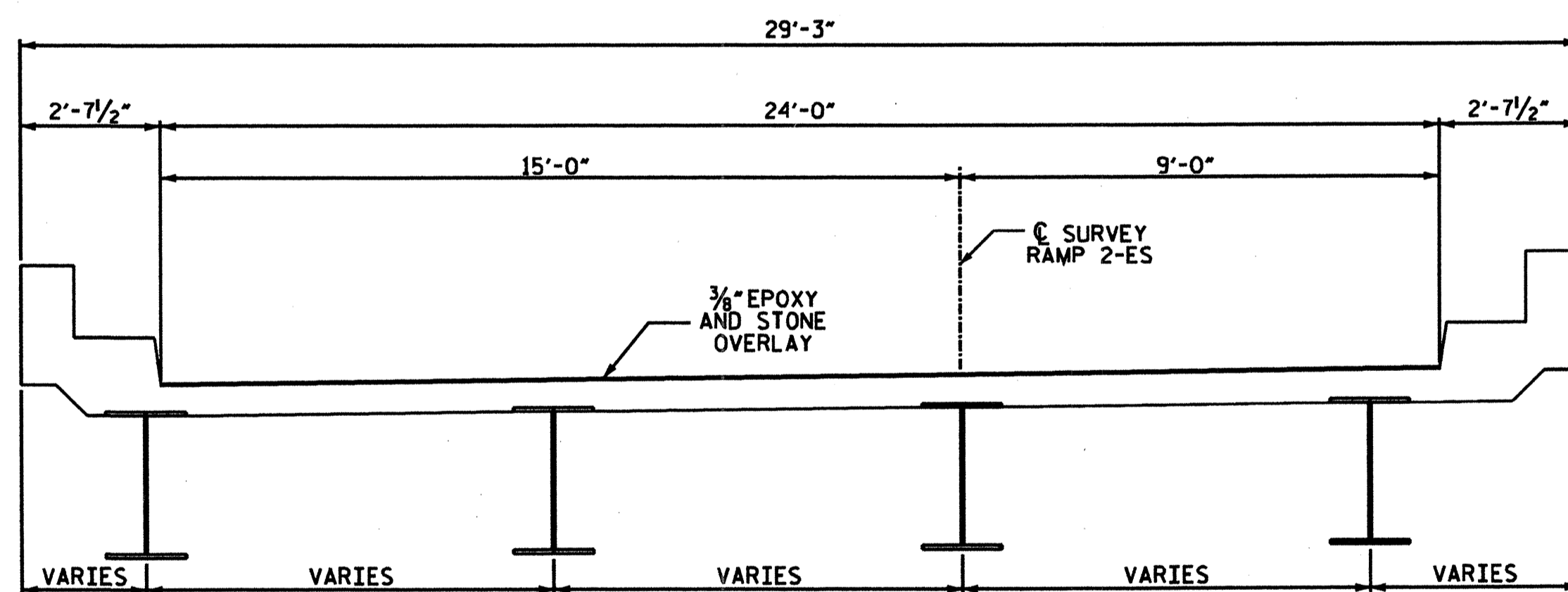
DRAWN BY : D. G. ELY DATE : 11-2009
 CHECKED BY : T. KOCH DATE : 11-2009

*****SYSTEM*****
 *****DCN*****
 *****USERNAME*****



PLAN VIEW

* MEASURED ALONG ARC
 ** MEASURED RADIAL



TYPICAL SECTION

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 248

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DECK REPAIR DETAILS FOR BRIDGE #248					
24'-0" CLEAR ROADWAY					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
					SHEET NO. S-27
					TOTAL SHEETS 49

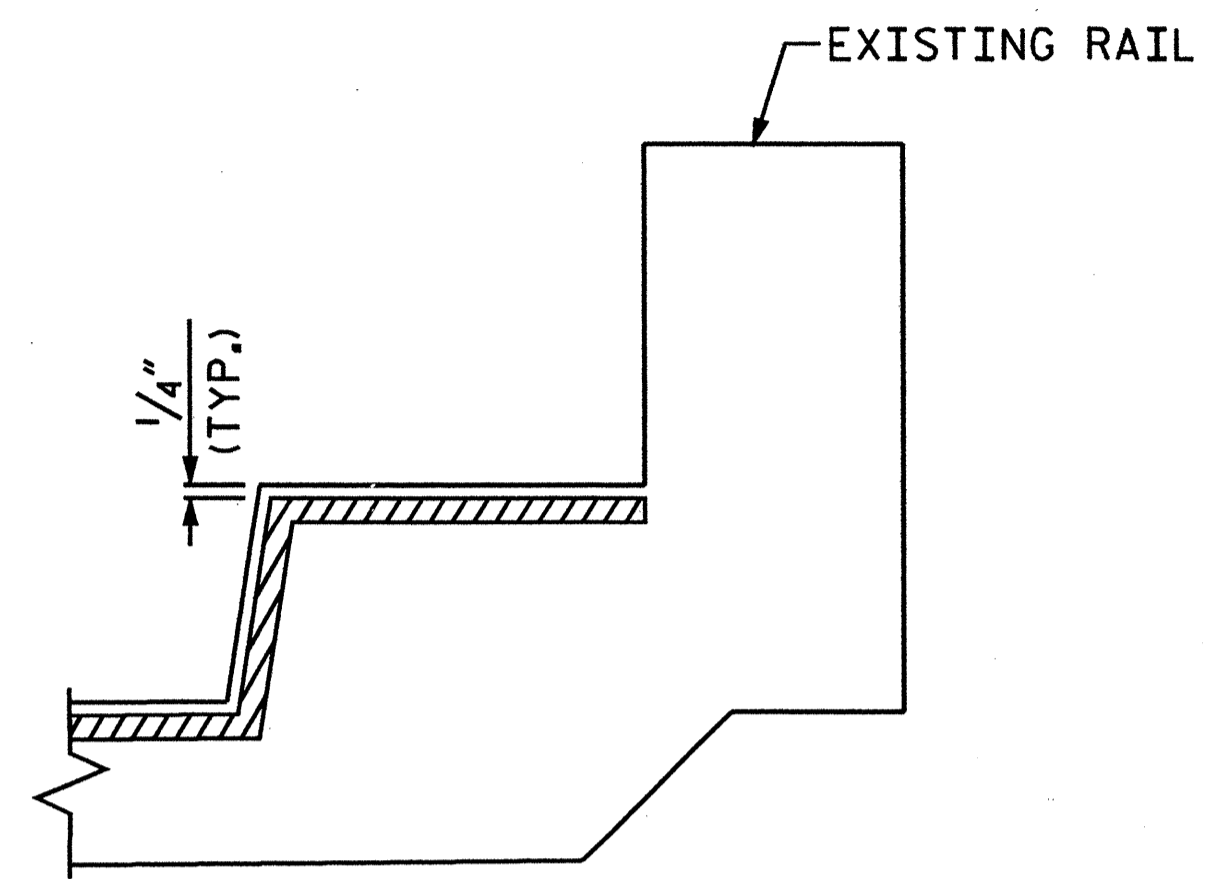
NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

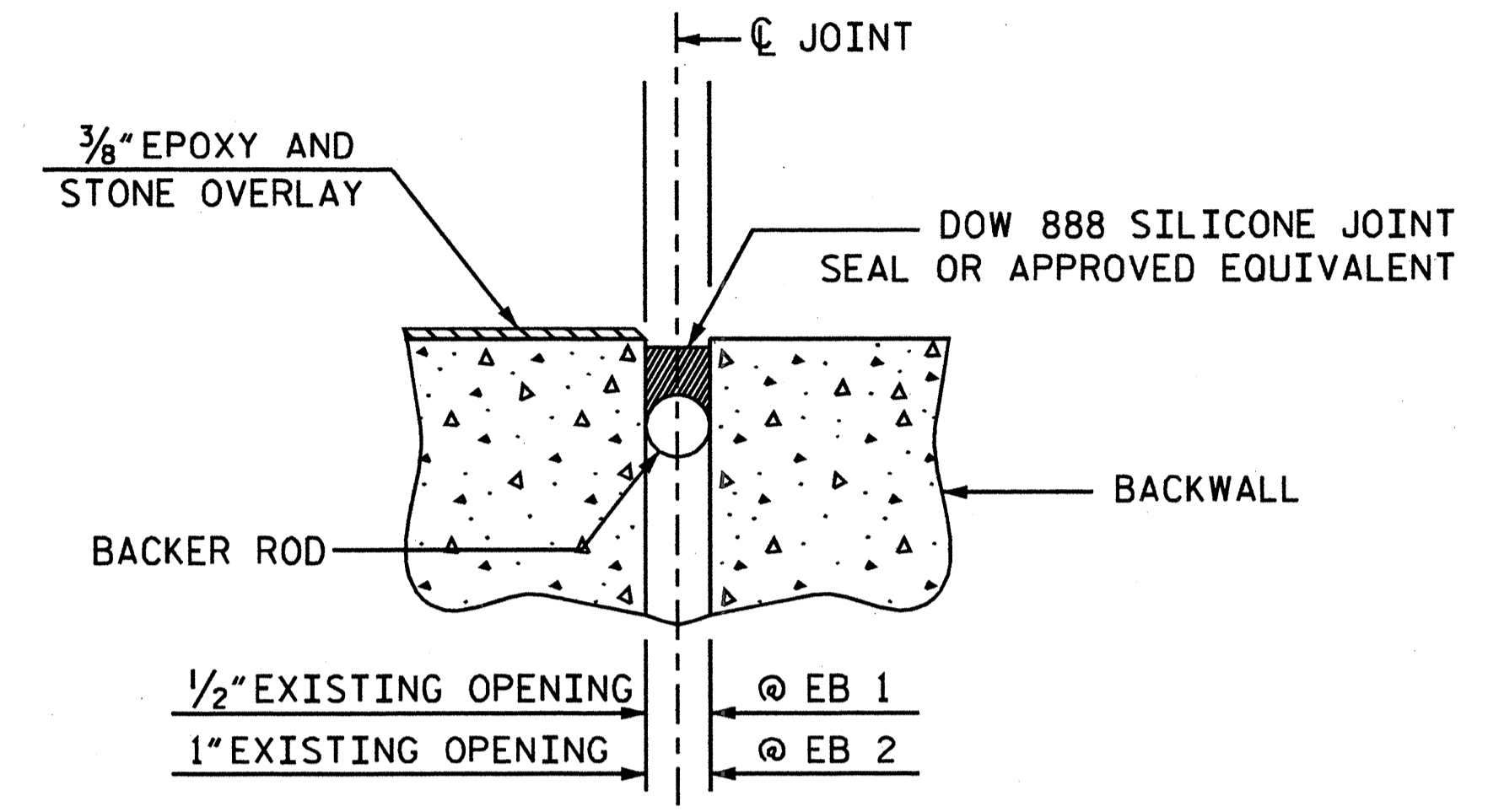
TOTAL BILL OF MATERIAL	
EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
3,745	40

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

NOTE: NOT TO SCALE

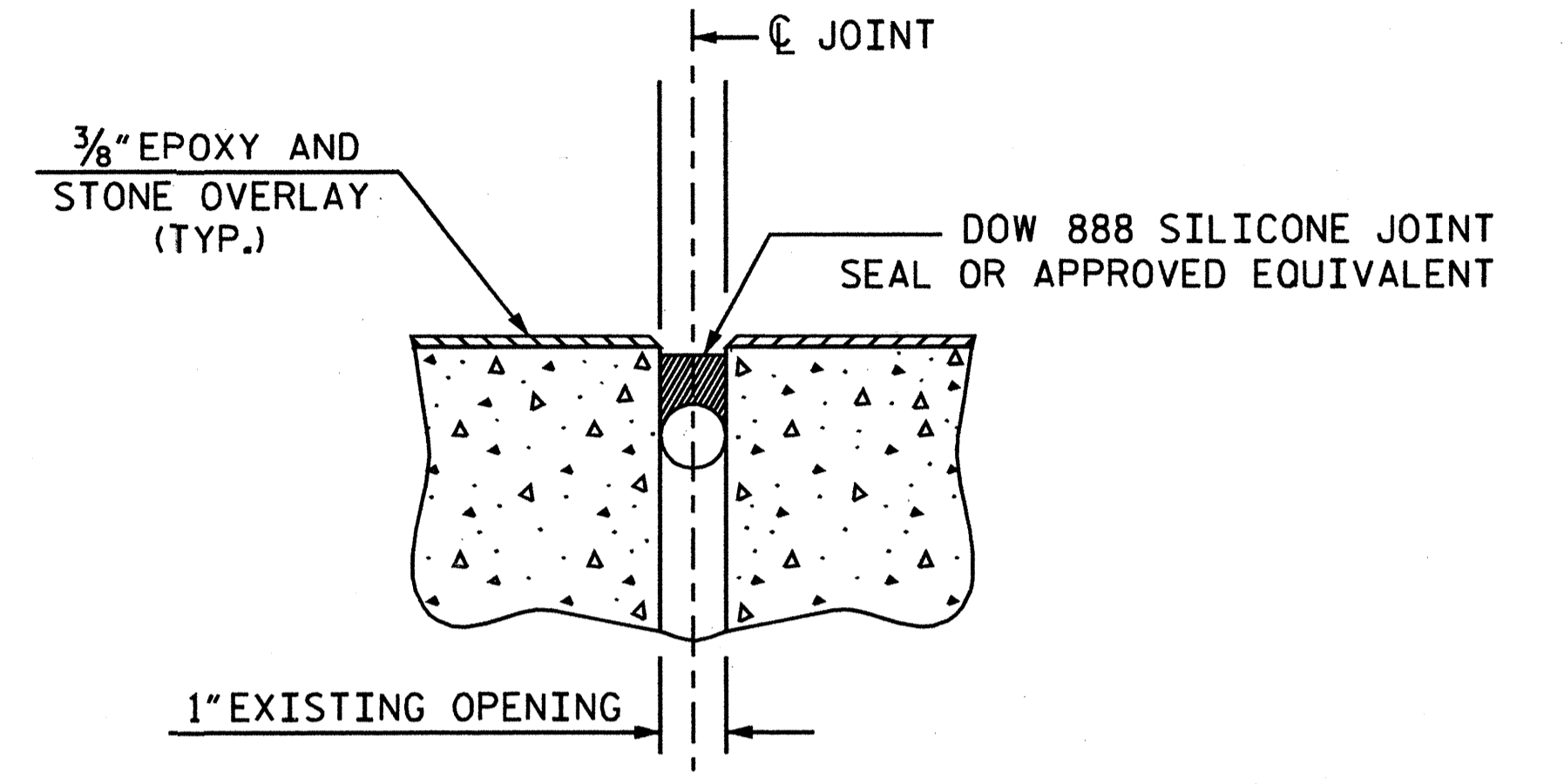


JOINT DETAIL AT RAIL



PROP. JOINT AT END BENTS

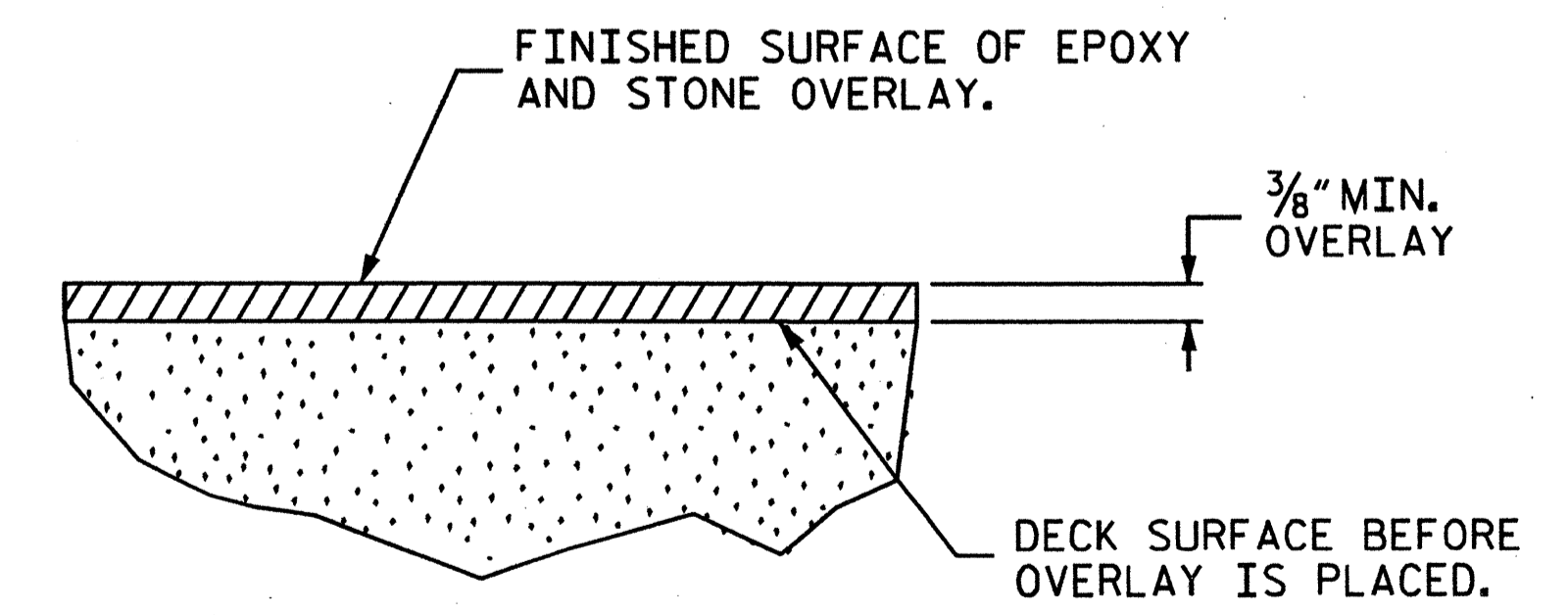
REMOVE EXISTING SEAL AND GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL BACKER ROD AND NEW JOINT SEAL.



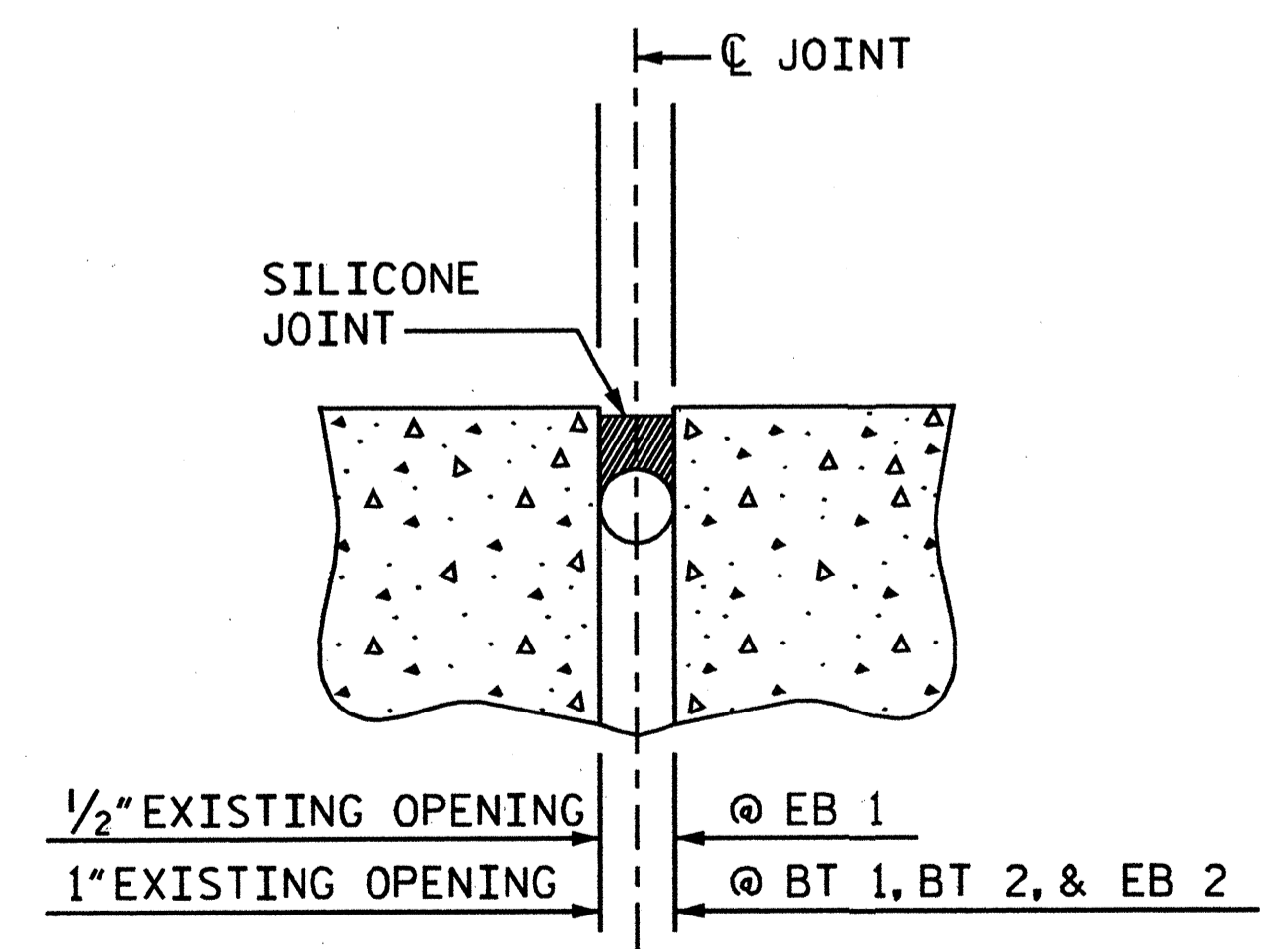
PROP. JOINT AT BENTS

REMOVE EXISTING SEAL AND GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL BACKER ROD AND NEW JOINT SEAL.

JOINT DETAILS



DETAIL FOR EPOXY AND STONE OVERLAY



EXISTING SILICONE JT. DETAIL @ EB'S & BENTS

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 248

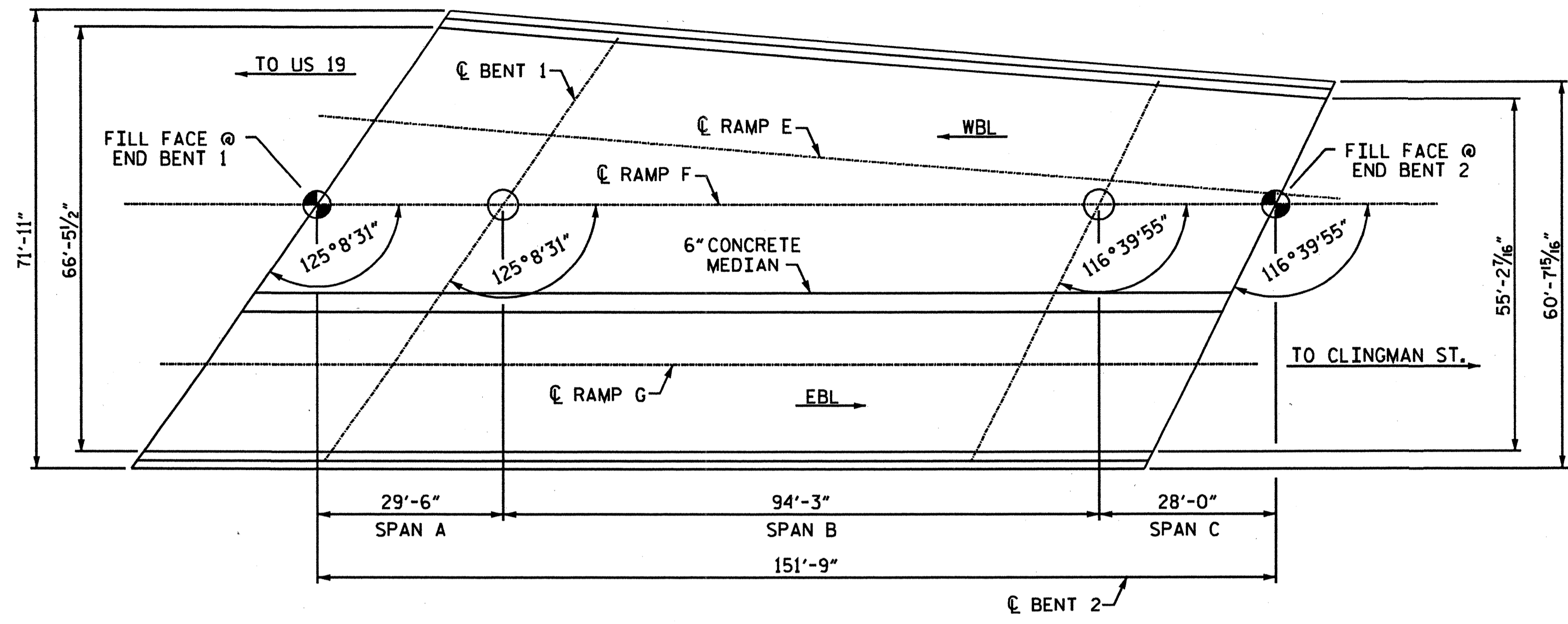
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALPH

DECK REPAIR DETAILS FOR BRIDGE #248

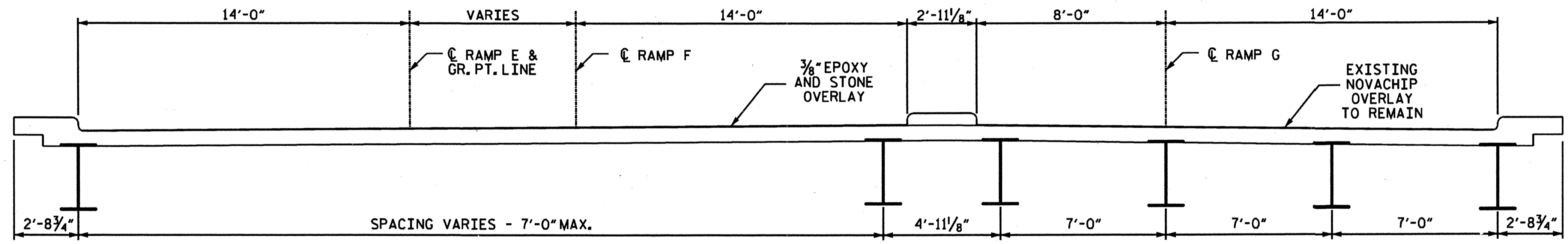
24'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-28
NO.	BY	DATE	NO.	BY	DATE	
1			2			TOTAL SHEETS 49
2			4			

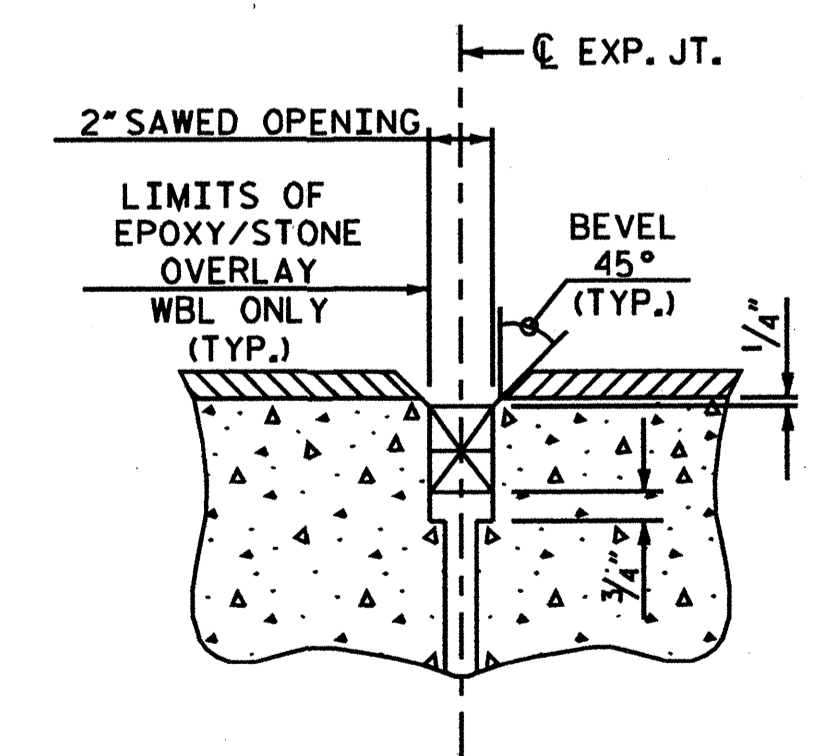
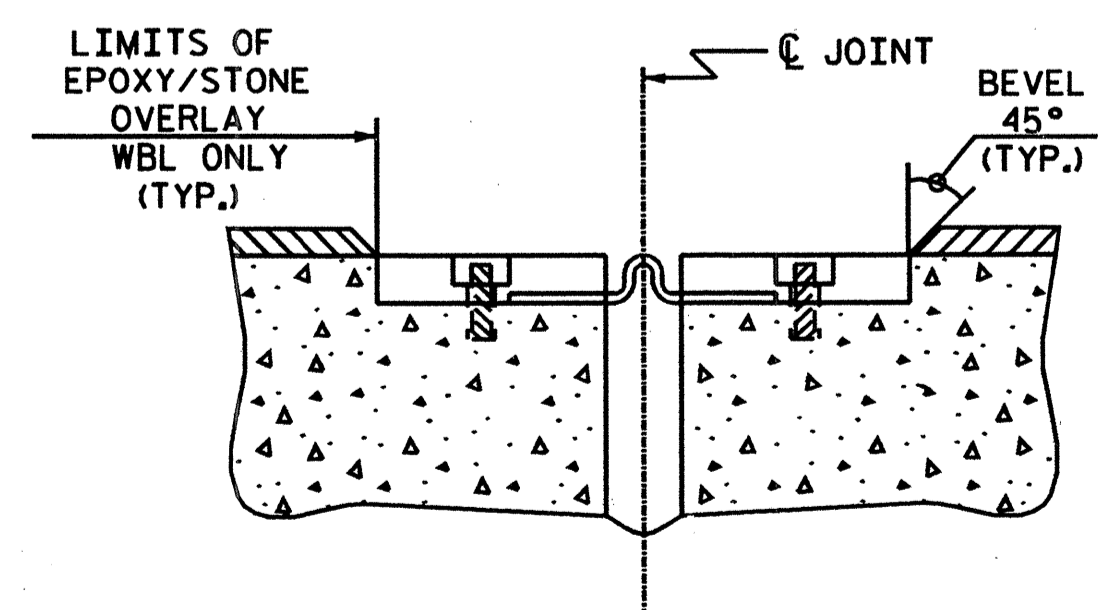
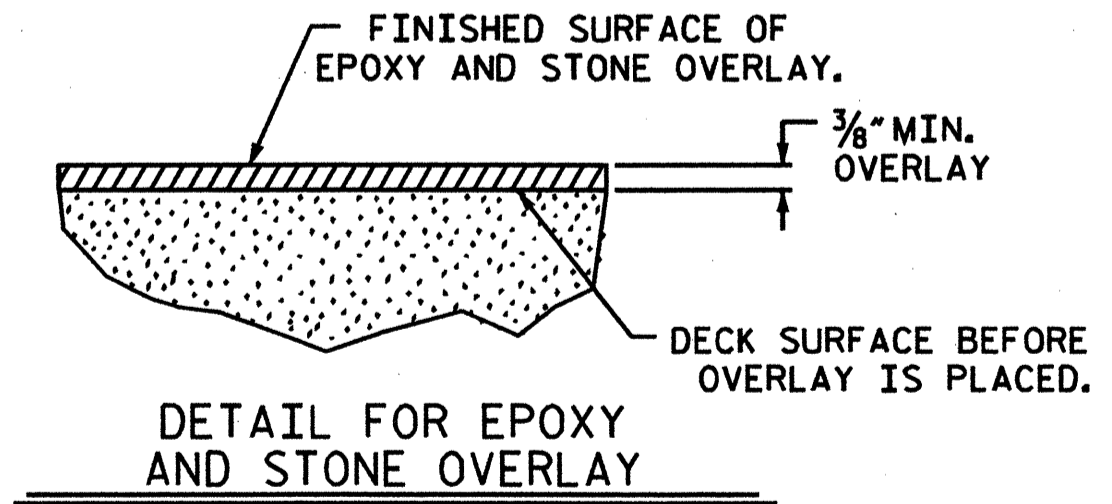
DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09



PLAN VIEW



TYPICAL SECTION



NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

TOTAL BILL OF MATERIAL	
EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
5,358	100

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 77

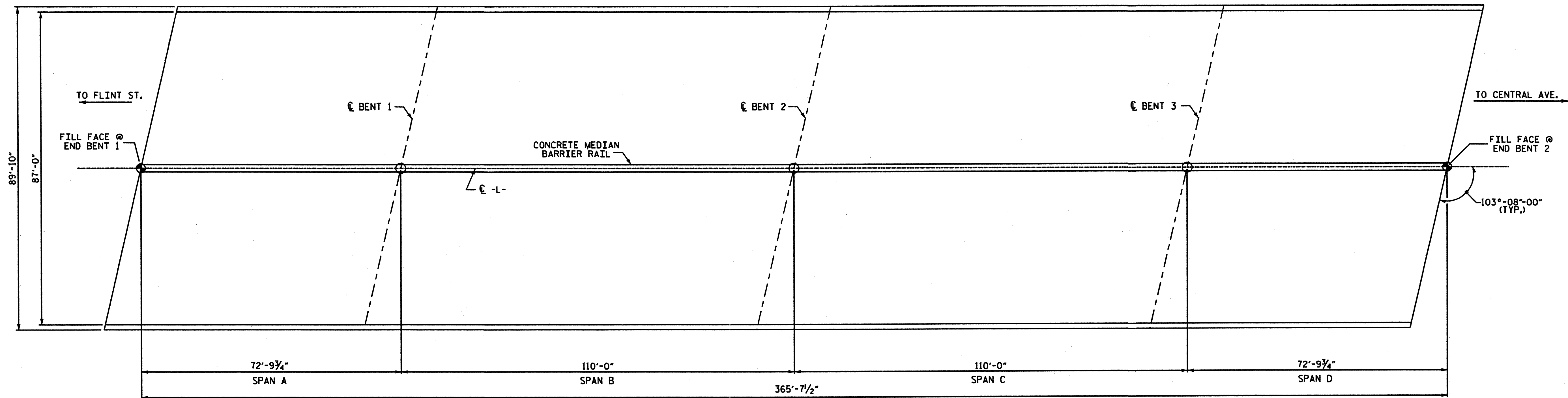
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DECK REPAIR DETAILS FOR BRIDGE #77					
CLEAR ROADWAY VARIES					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 77

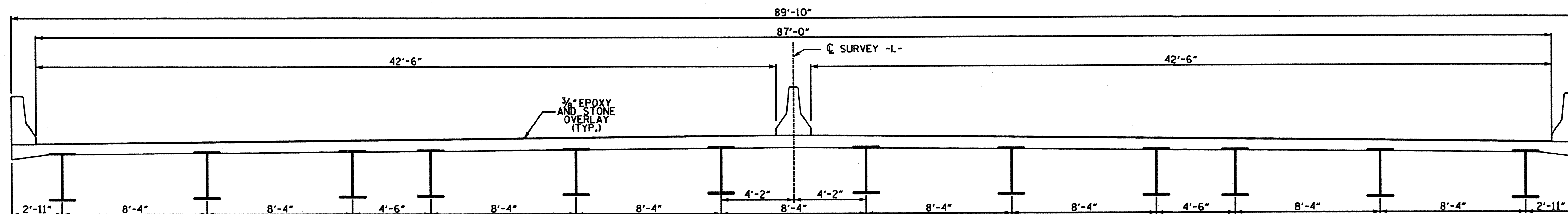
NOTE: NOT TO SCALE

40

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09



PLAN VIEW



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS. THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
 FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
 FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.
 THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/16\"/>

TOTAL BILL OF MATERIAL		
EPOXY/STONE OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS
SO.FT.	LUMP SUM	SO.FT.
31.078	LUMP SUM	300

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 381

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

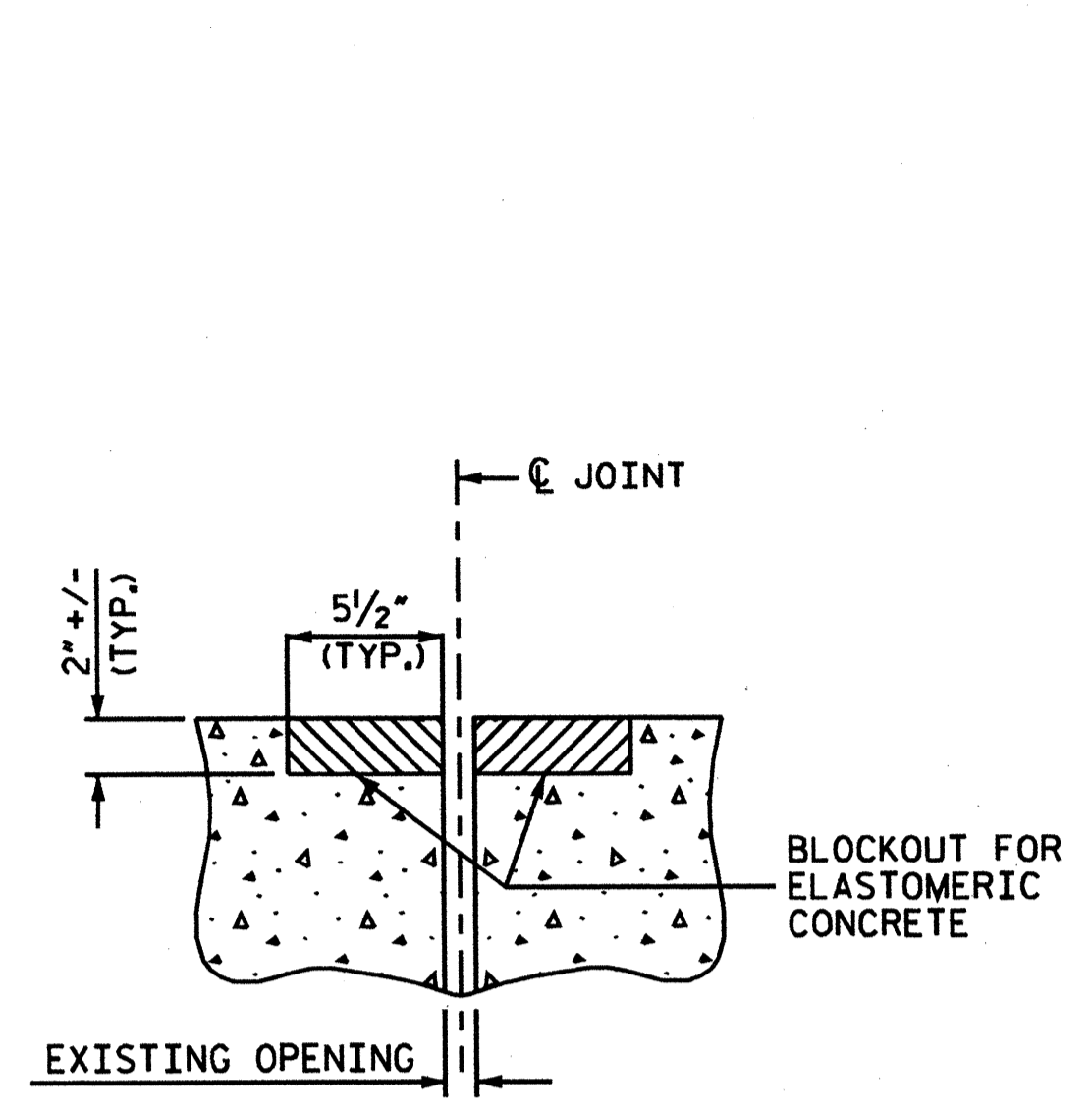
DECK REPAIR DETAILS
 FOR BRIDGE #381

87'-0" CLEAR ROADWAY

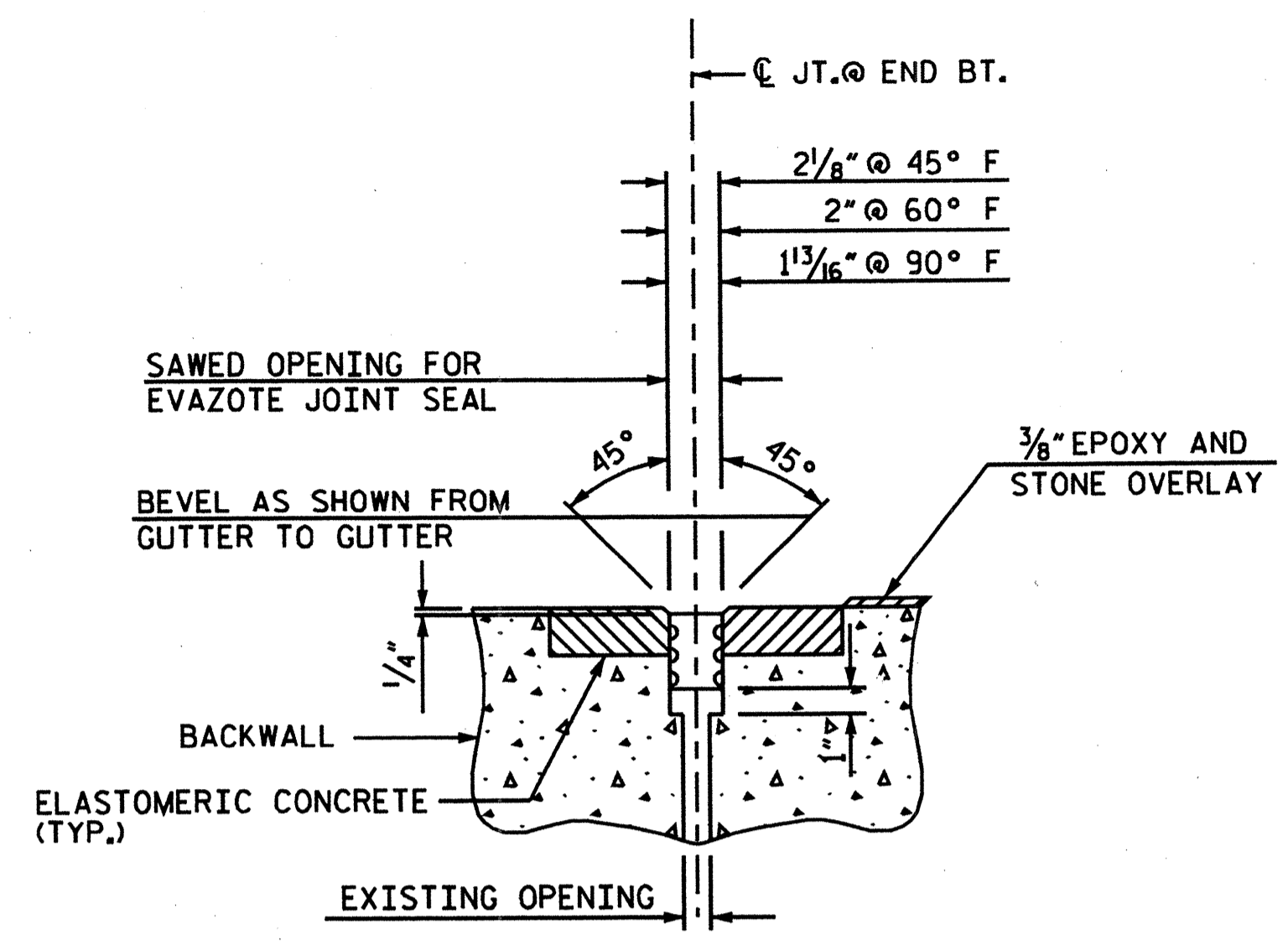
REVISIONS						SHEET NO. S-30
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

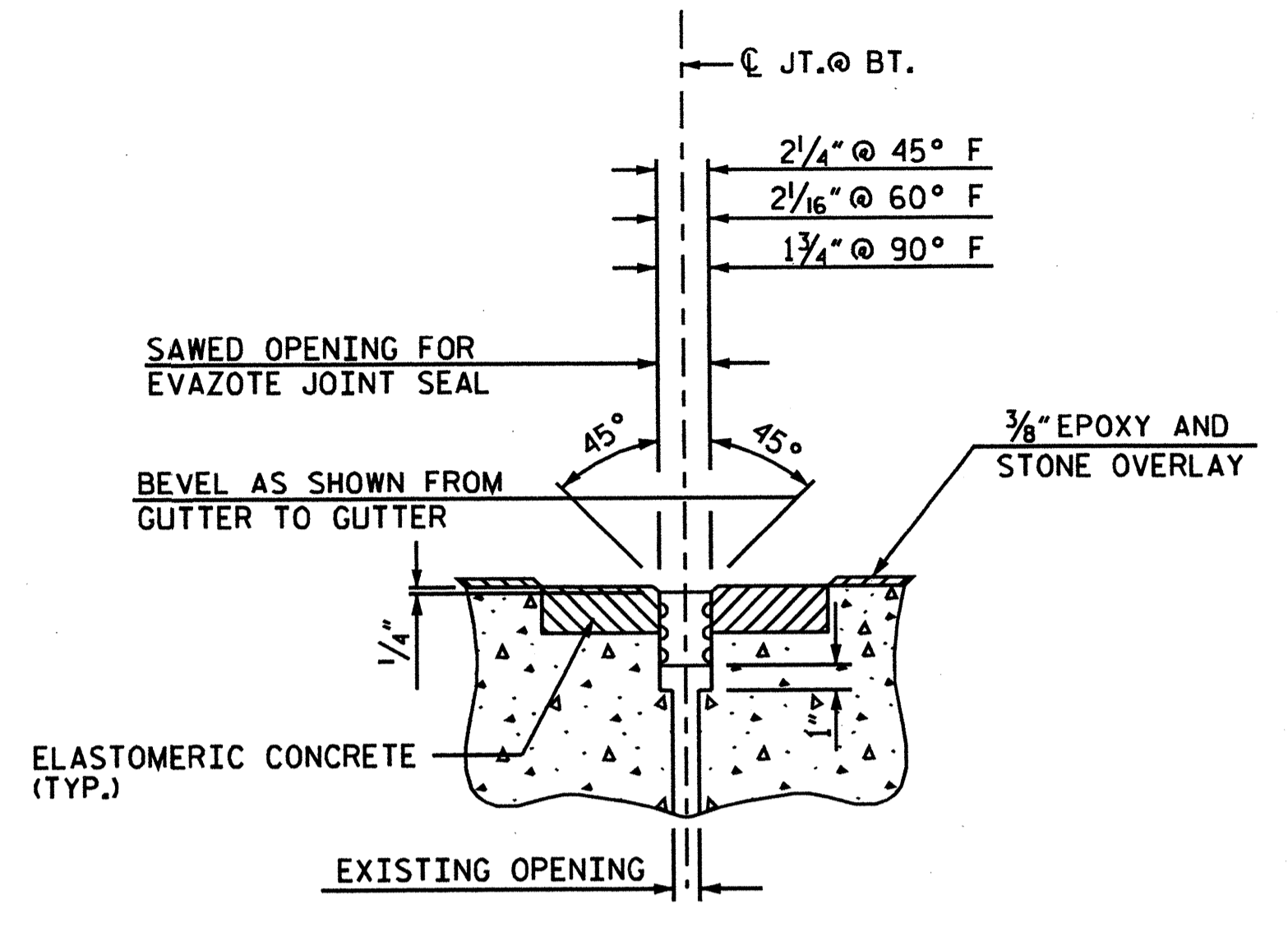
NOTE: NOT TO SCALE



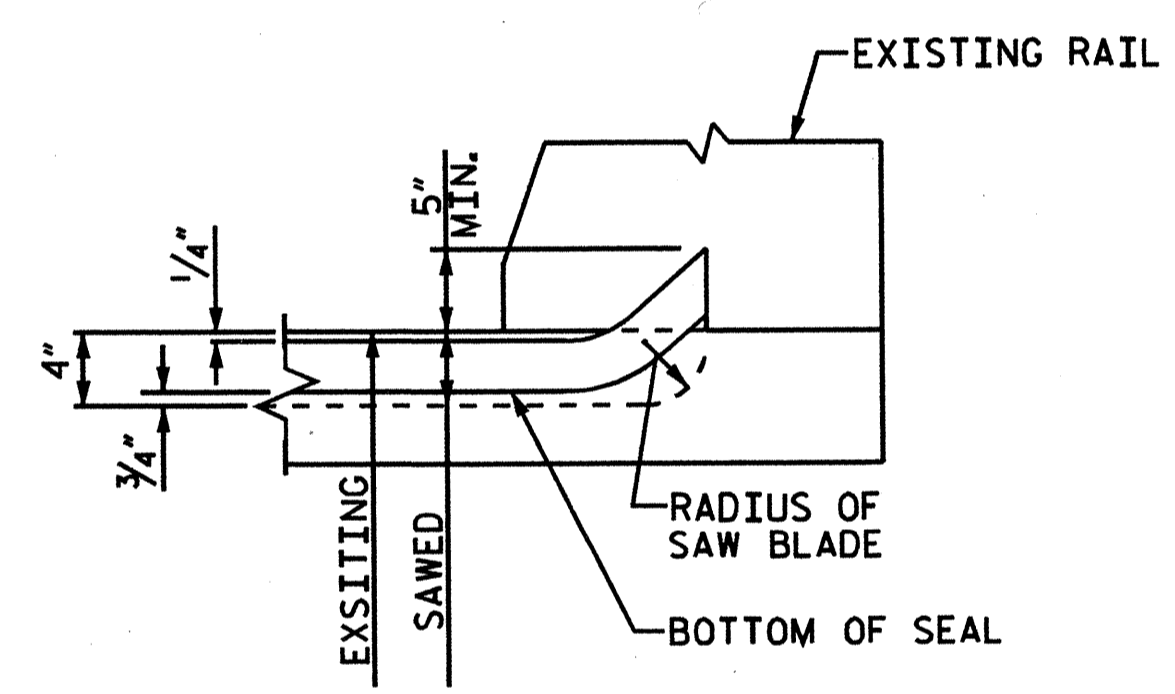
EVAZOTE JOINT SEAL
PRE-SAWED ELASTOMERIC CONCRETE DIMENSIONS



PROP. JOINT AT END BENTS 1 & 2
EVAZOTE JOINT SEAL EXPANSION



PROP. JOINT AT BENTS 1 & 3
EVAZOTE JOINT SEAL EXPANSION

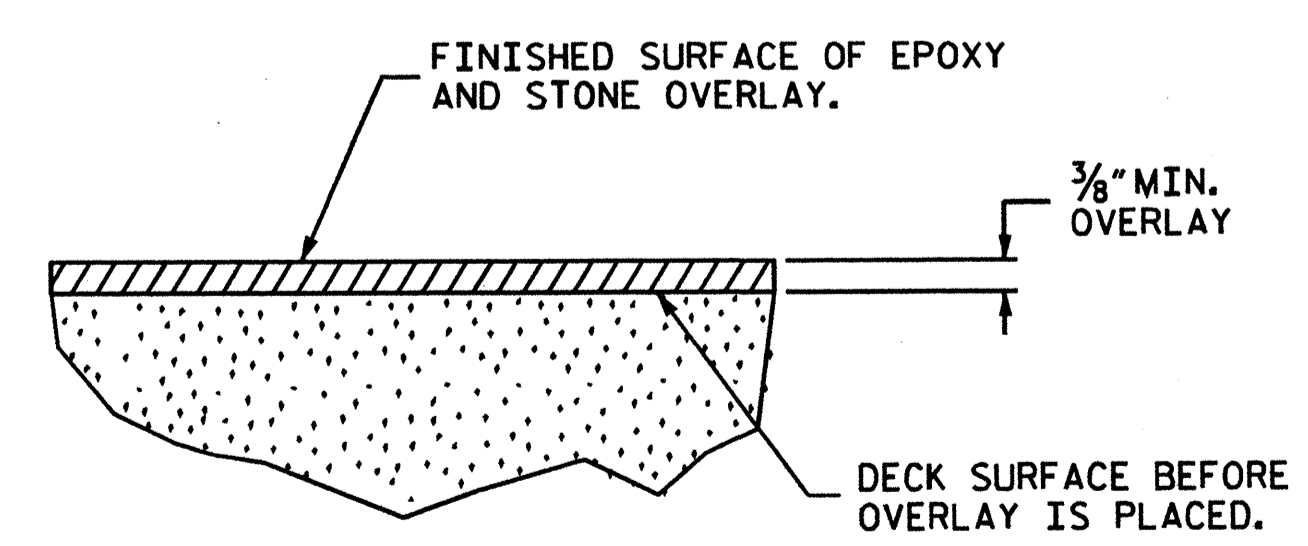


JOINT DETAIL AT RAIL

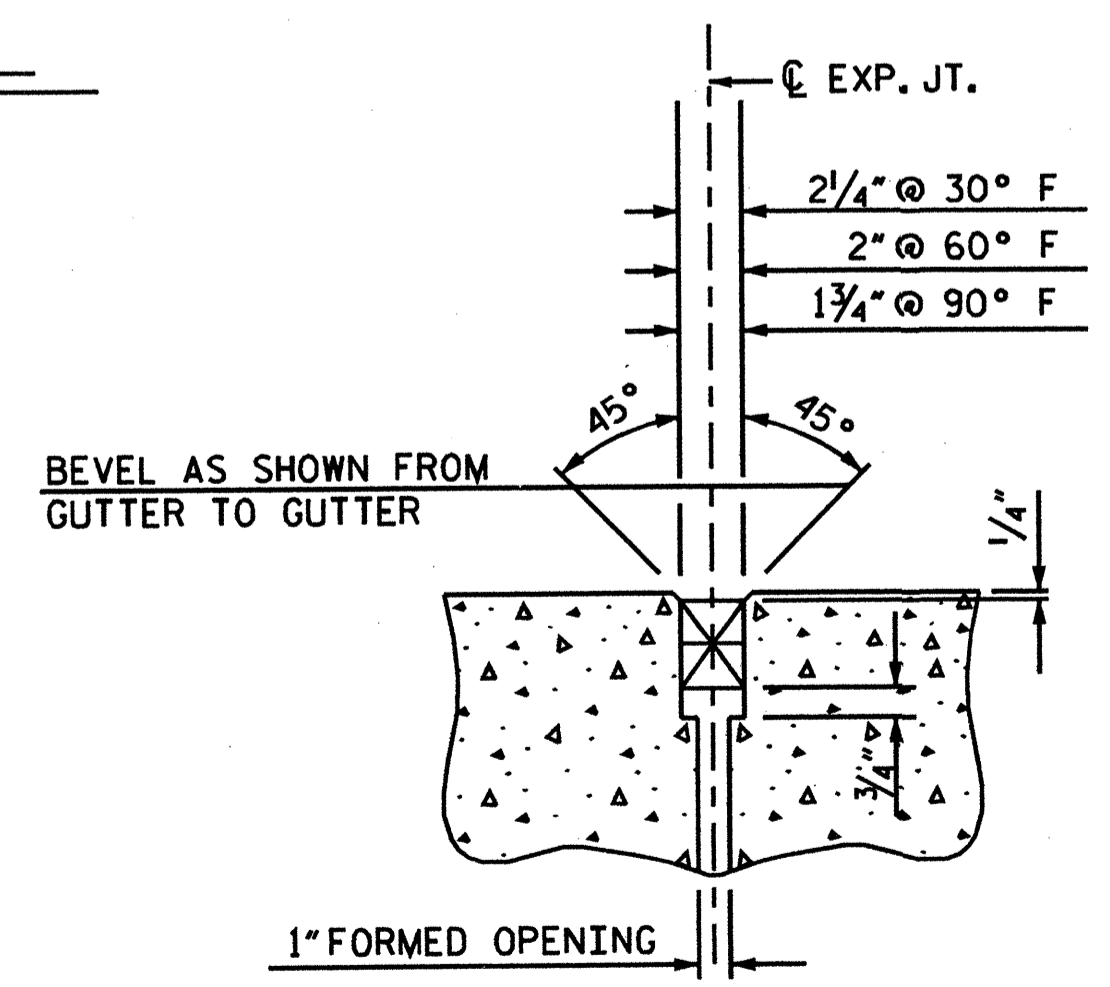
ELASTOMERIC CONCRETE	
END BENT #1	13.6 (CU. FT.)
BENT #1	13.6 (CU. FT.)
BENT #3	13.6 (CU. FT.)
END BENT #2	13.6 (CU. FT.)
* TOTAL	54.4 (CU. FT.)

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

JOINT DETAILS



DETAIL FOR EPOXY AND STONE OVERLAY

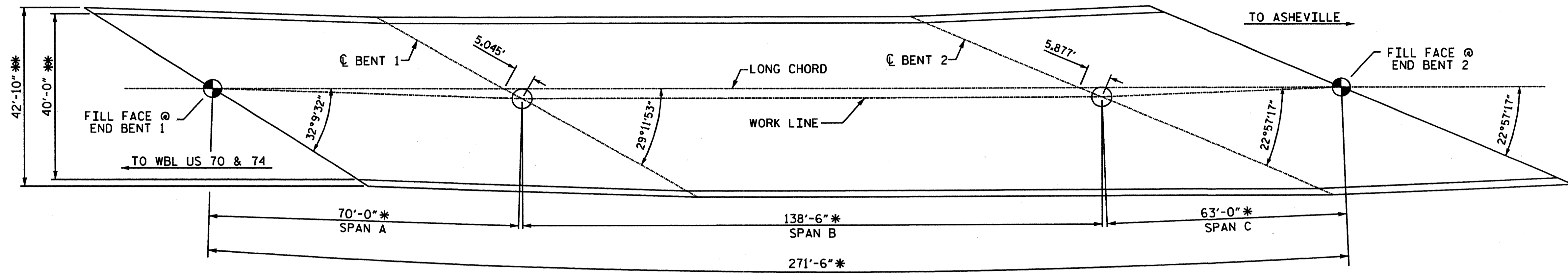


EXISTING COMPRESSION JOINT DETAIL

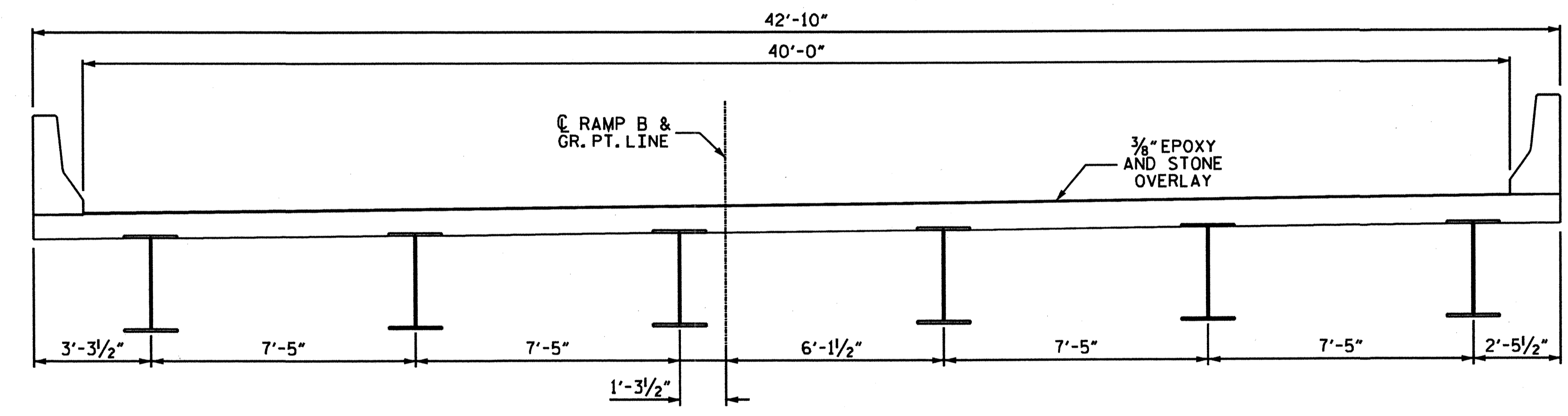
PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 381

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DECK REPAIR DETAILS FOR BRIDGE #381					
87'-0" CLEAR ROADWAY					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
SHEET NO. S-31					TOTAL SHEETS 49

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09



PLAN VIEW
 * MEASURED ALONG ARC
 ** MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS. THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
 FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
 FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.
 THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT BENT 1 AND BENT 2.

TOTAL BILL OF MATERIAL		
EPOXY/STONE OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS
SO.FT.	LUMP SUM	SO.FT.
12,524	LUMP SUM	100

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 445

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

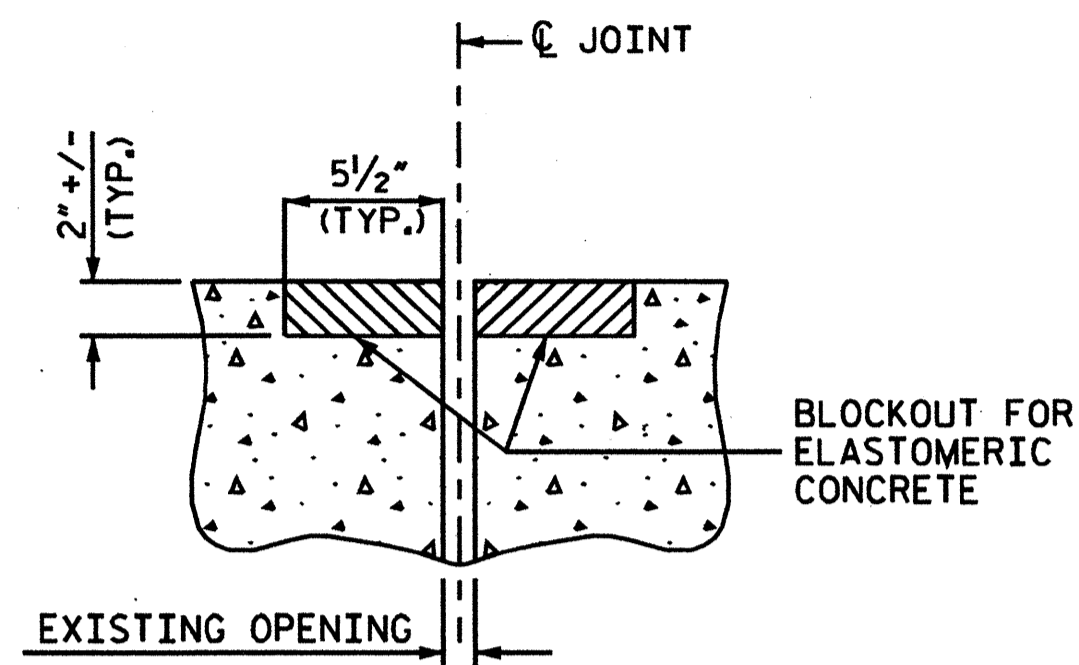
DECK REPAIR DETAILS
 FOR BRIDGE #445

40'-0" CLEAR ROADWAY

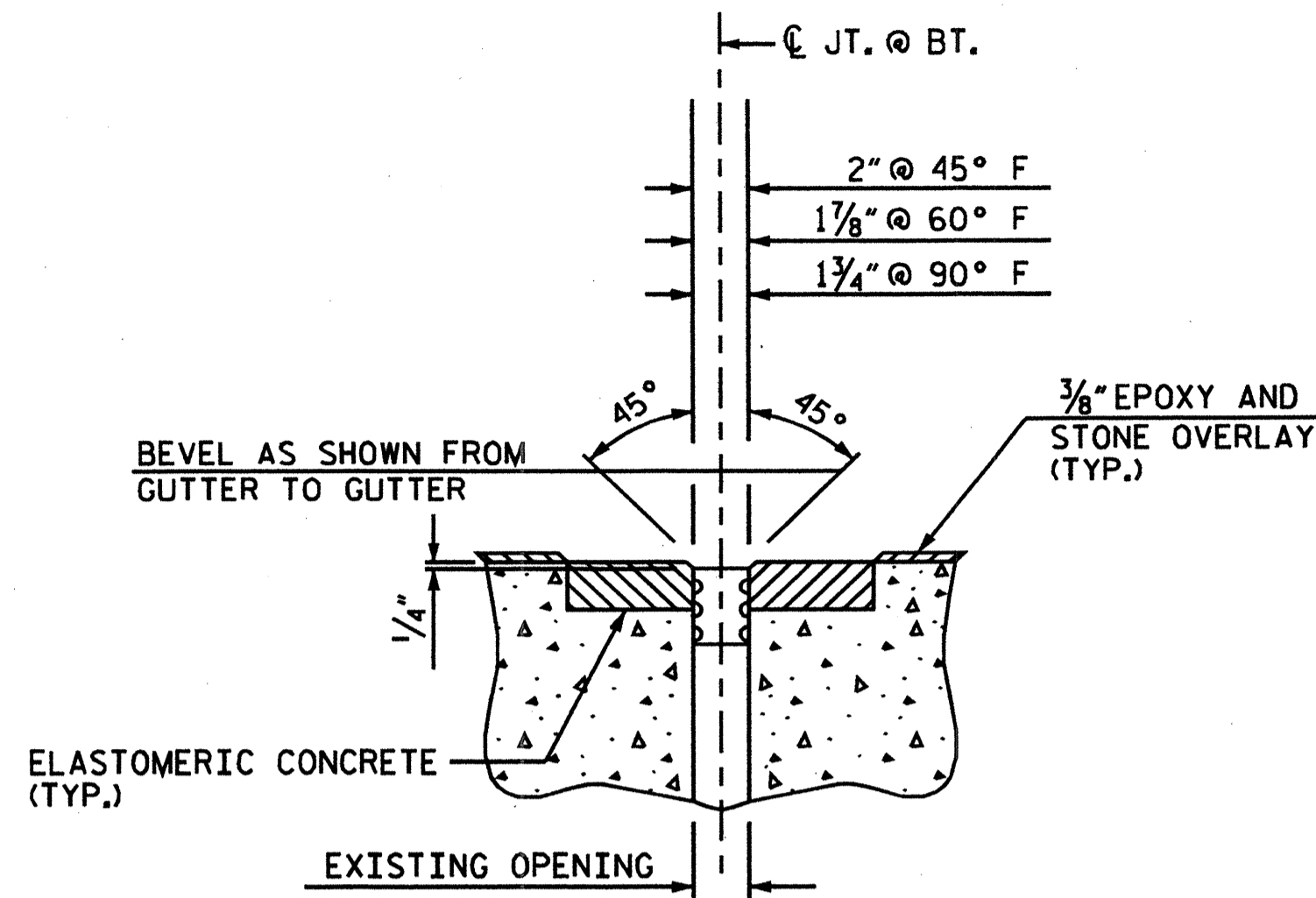
REVISIONS						SHEET NO. S-32
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

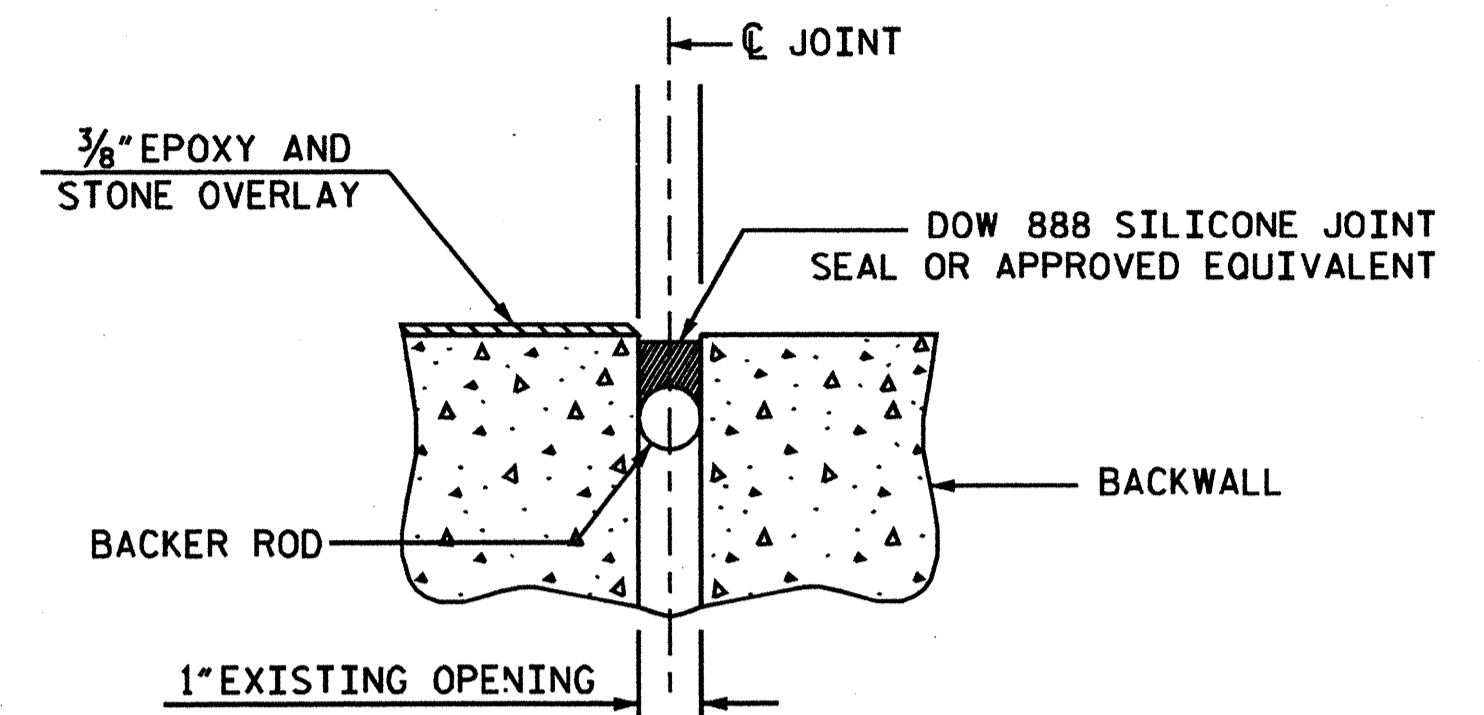
NOTE: NOT TO SCALE



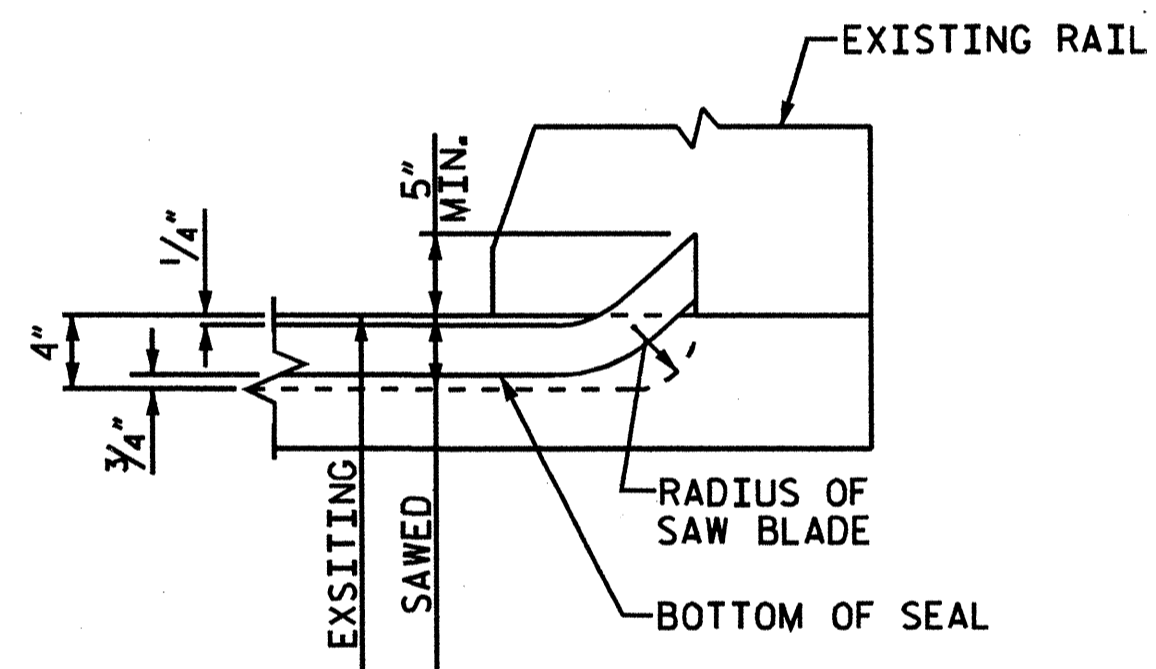
EVAZOTE JOINT SEAL
PRE-SAWED ELASTOMIC CONCRETE DIMENSIONS



PROP. JOINT AT BENTS
EVAZOTE JOINT SEAL EXPANSION



PROP. JOINT AT END BENTS
REMOVE EXISTING SEAL AND GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL BACKER ROD AND NEW JOINT SEAL.

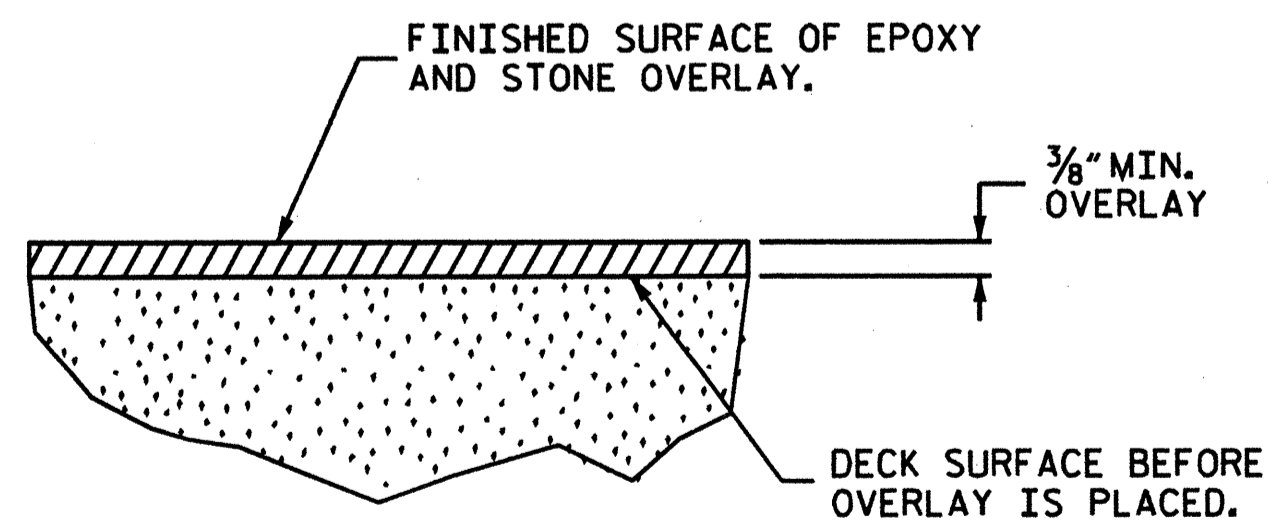


JOINT DETAIL AT RAIL

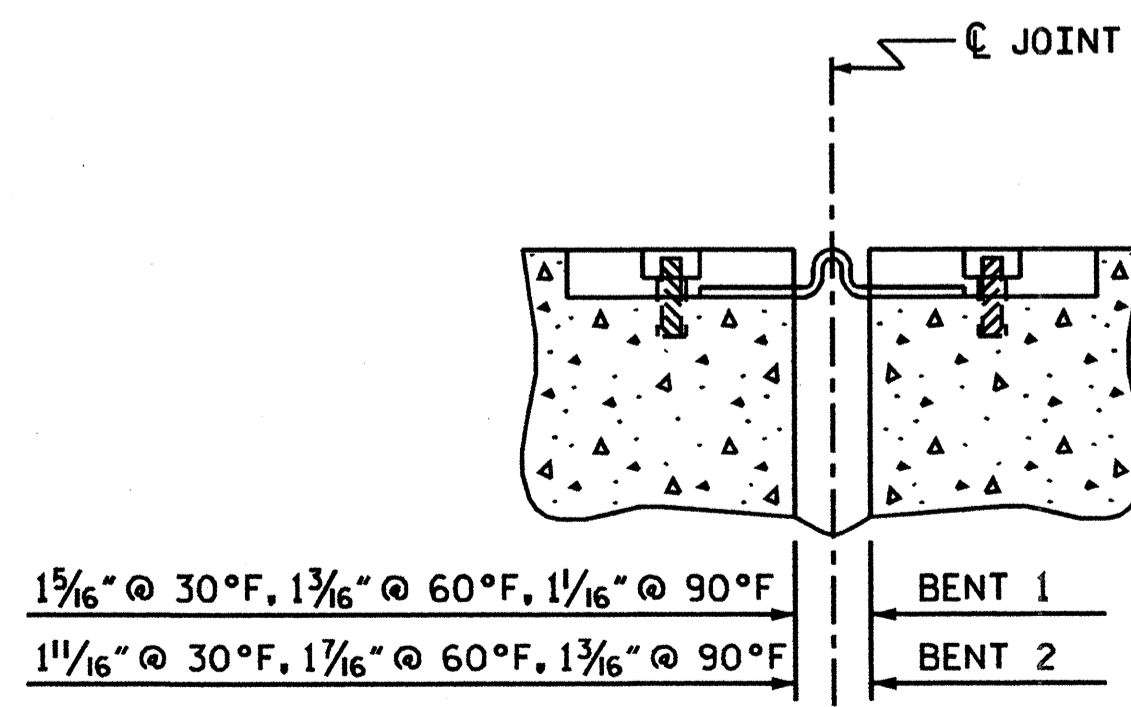
ELASTOMERIC CONCRETE	
BENT #1	12.5 (CU. FT.)
BENT #2	15.7 (CU. FT.)
* TOTAL	28.2 (CU. FT.)

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

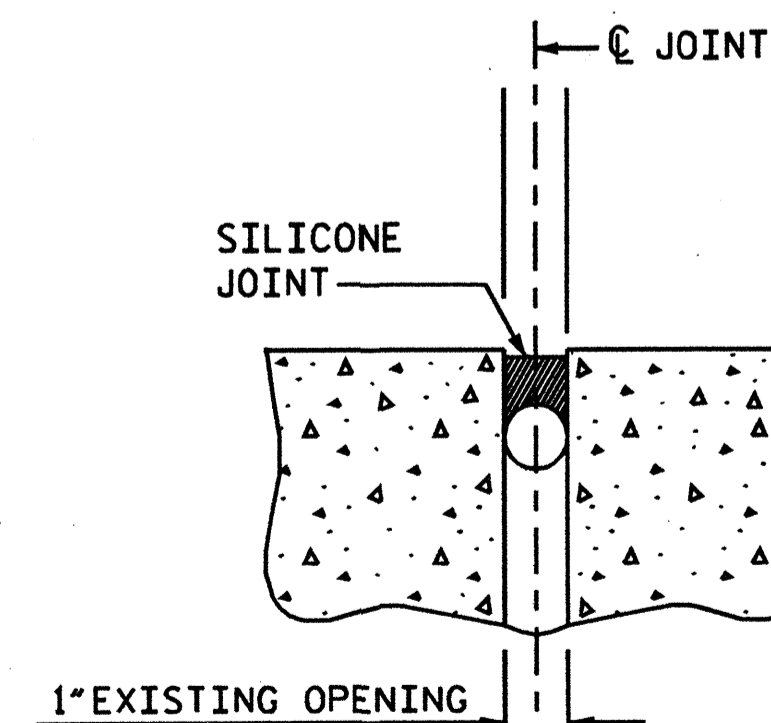
JOINT DETAILS



DETAIL FOR EPOXY AND STONE OVERLAY



EXISTING MECHANICAL JT. DETAIL @ BENTS



EXISTING SILICONE JT. DETAIL @ END BENTS

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 445

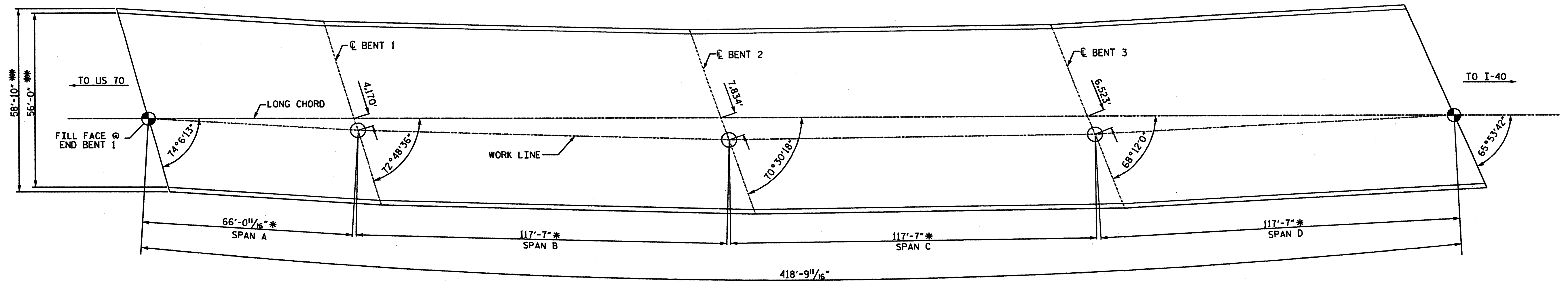
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK REPAIR DETAILS
FOR BRIDGE #445

40'-0" CLEAR ROADWAY

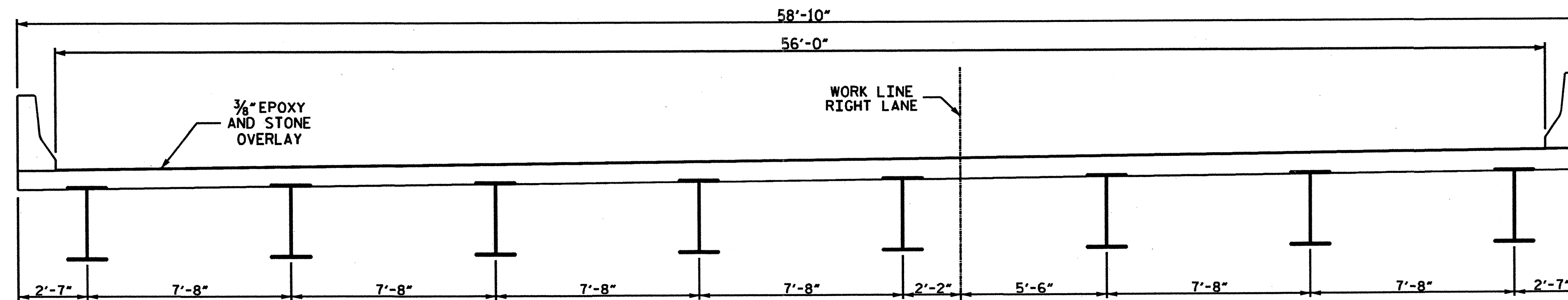
REVISIONS						SHEET NO. S-33
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

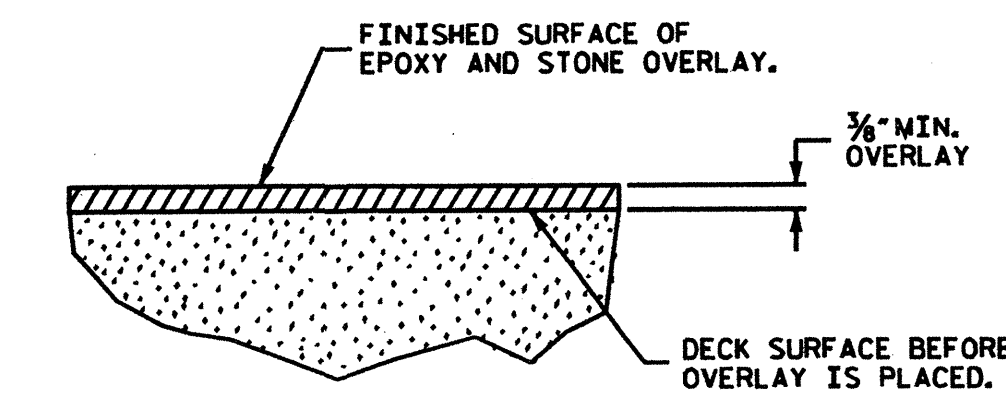
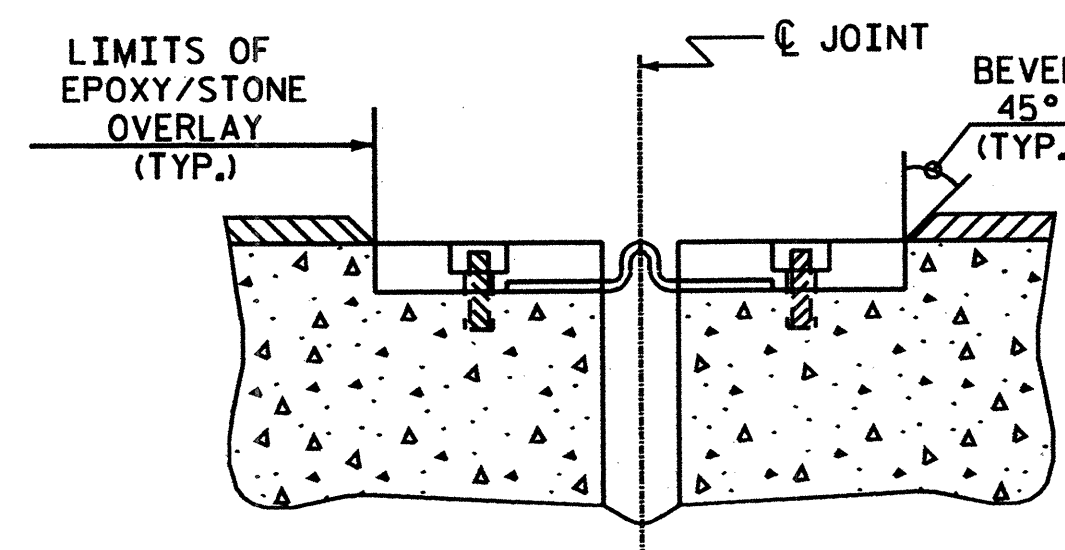


PLAN VIEW

* MEASURED ALONG ARC
 ** MEASURED RADIAL



TYPICAL SECTION



DETAIL FOR EPOXY AND STONE OVERLAY

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

TOTAL BILL OF MATERIAL	
EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
25,242	240

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 497

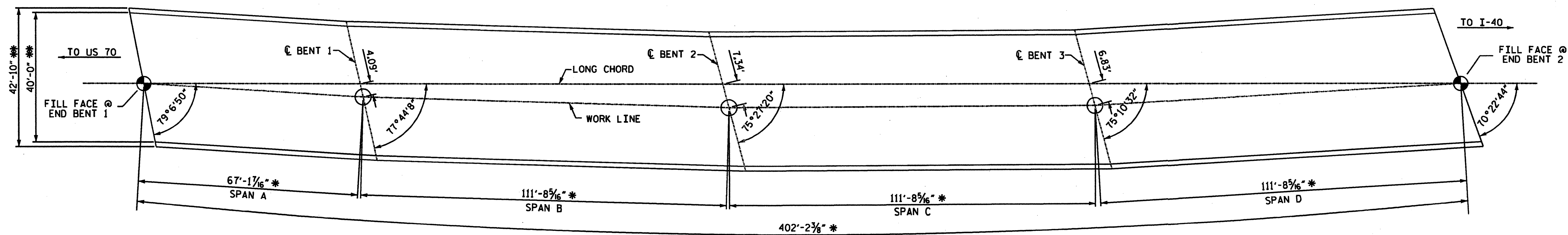
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK REPAIR DETAILS
 FOR BRIDGE #497

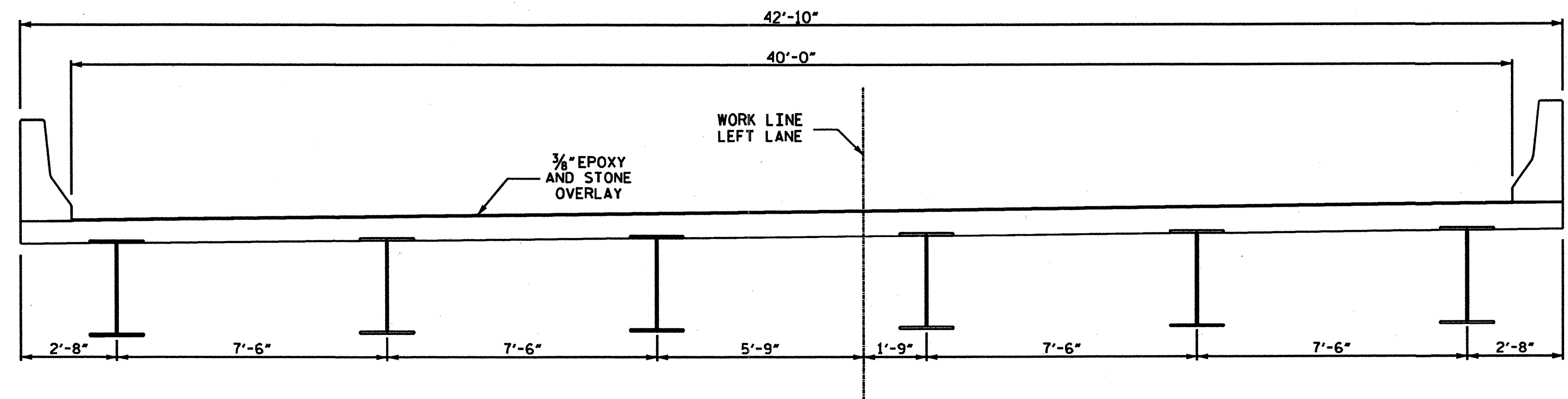
56'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-34
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

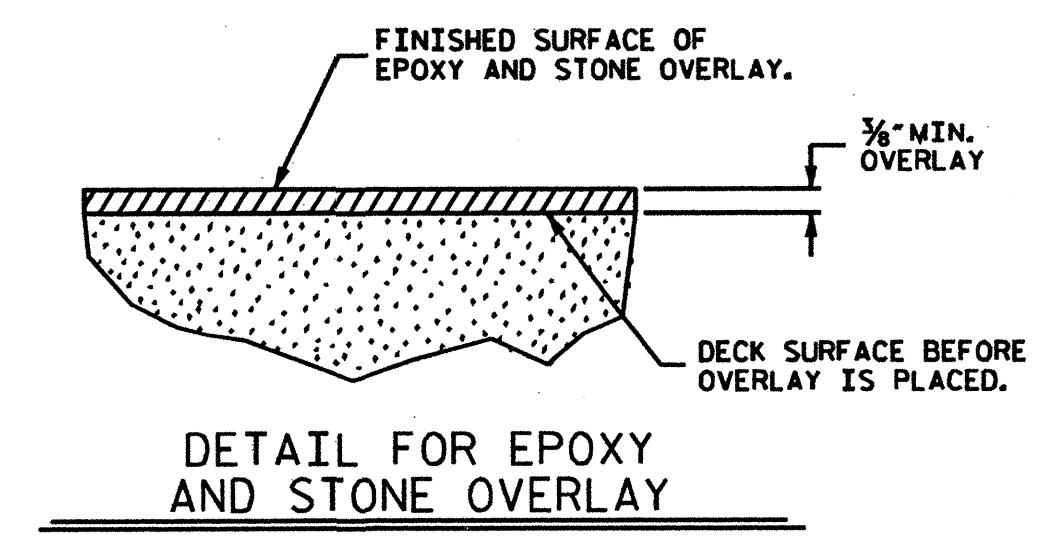
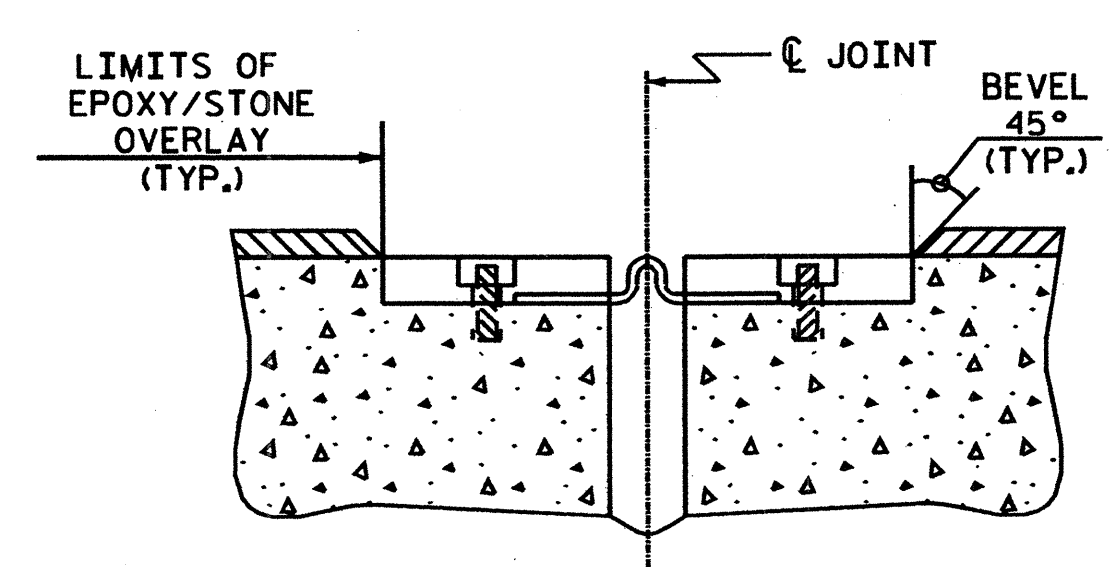
NOTE: NOT TO SCALE



PLAN VIEW
 * MEASURED ALONG ARC
 ** MEASURED RADIAL



TYPICAL SECTION



PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 498

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK REPAIR DETAILS
 FOR BRIDGE #498

40'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-35
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

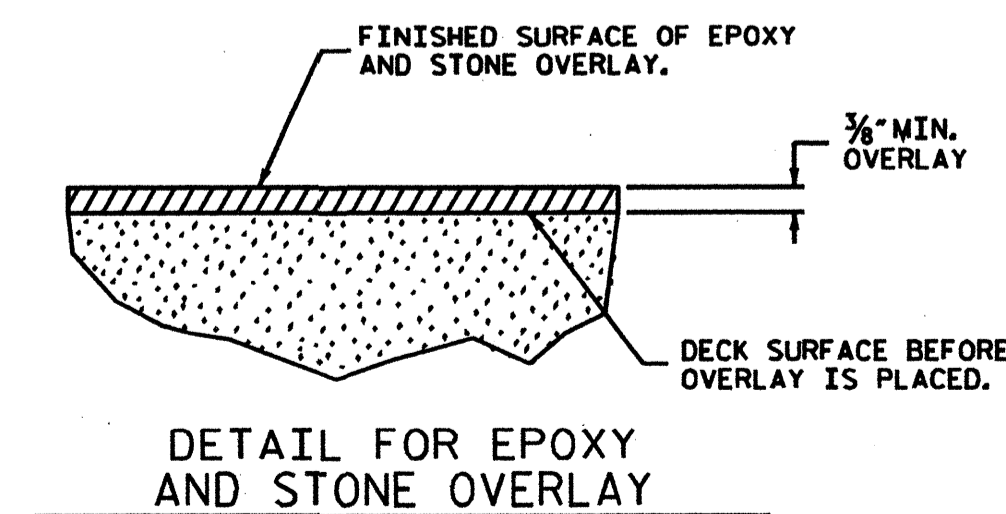
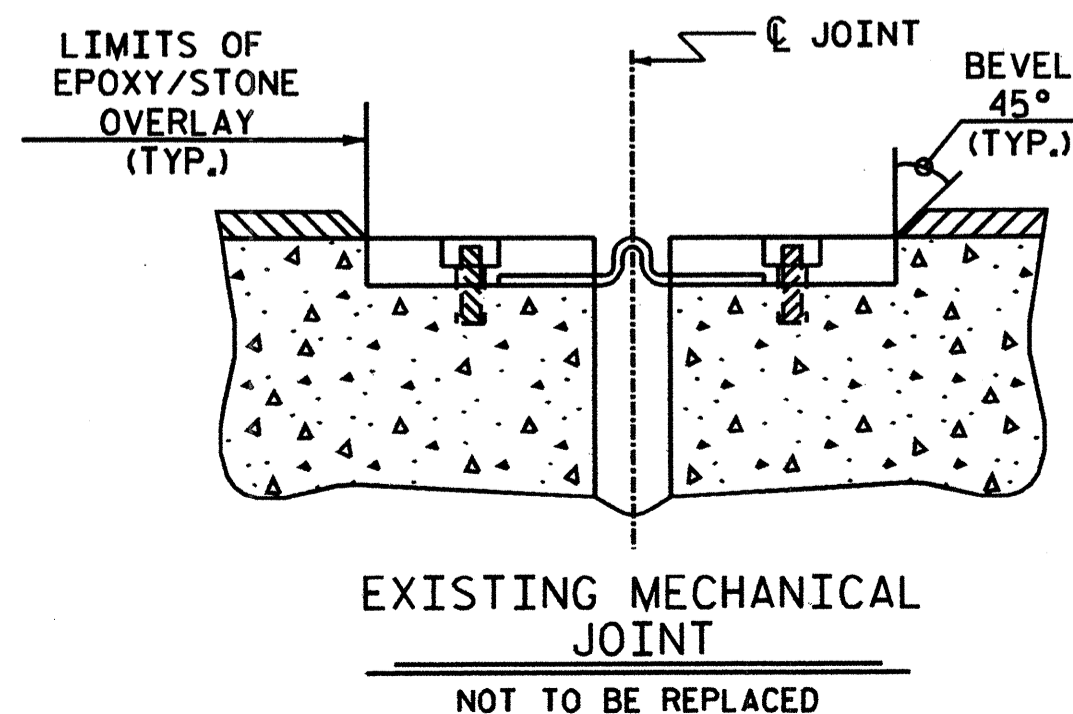
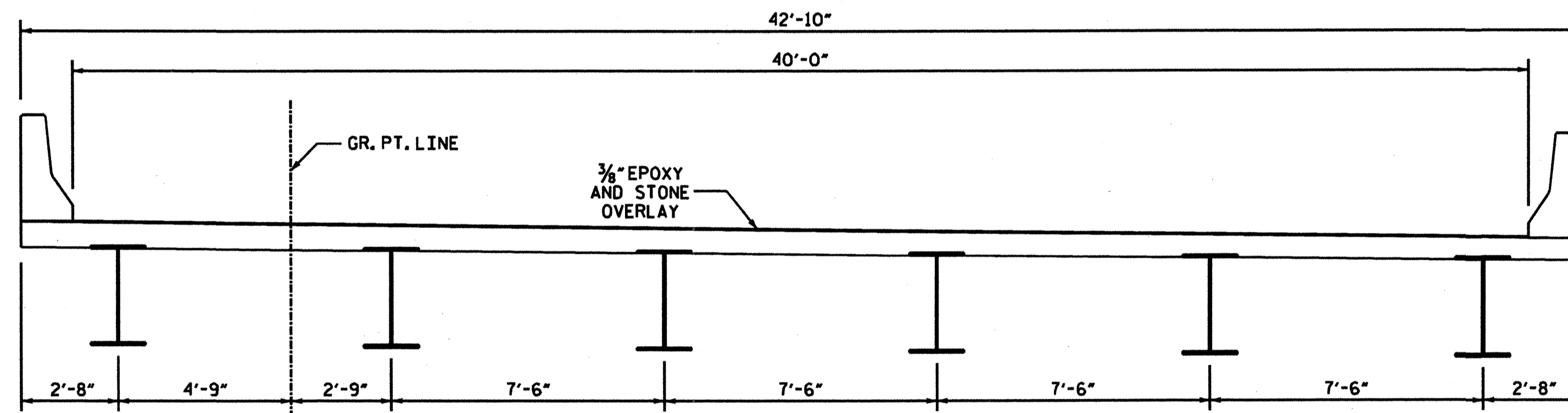
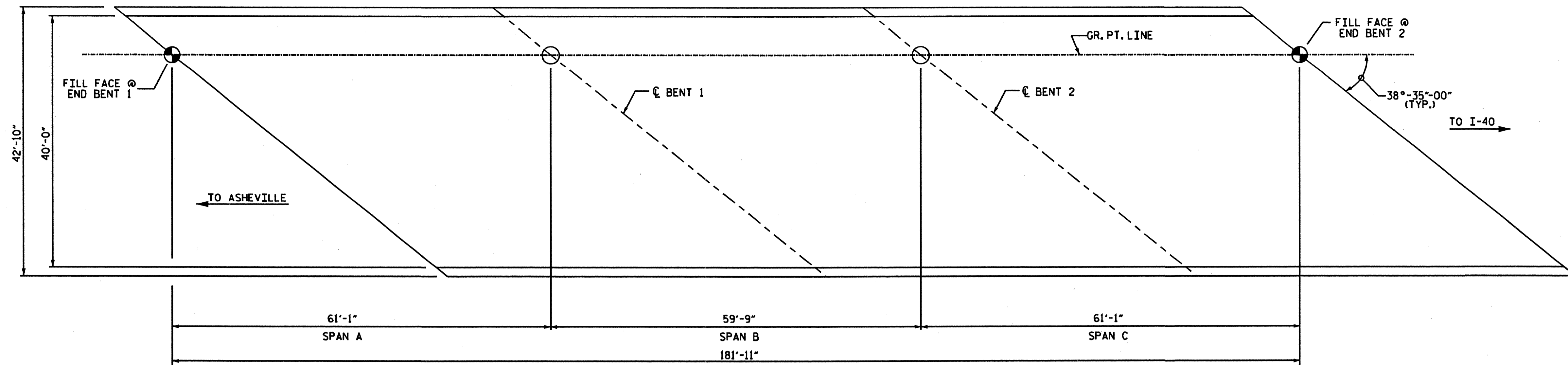
NOTE: NOT TO SCALE

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

TOTAL BILL OF MATERIAL	
EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
17,409	160

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09



PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 499

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK REPAIR DETAILS
 FOR BRIDGE #499

40'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-36
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL QUANTITY 49
2			4			

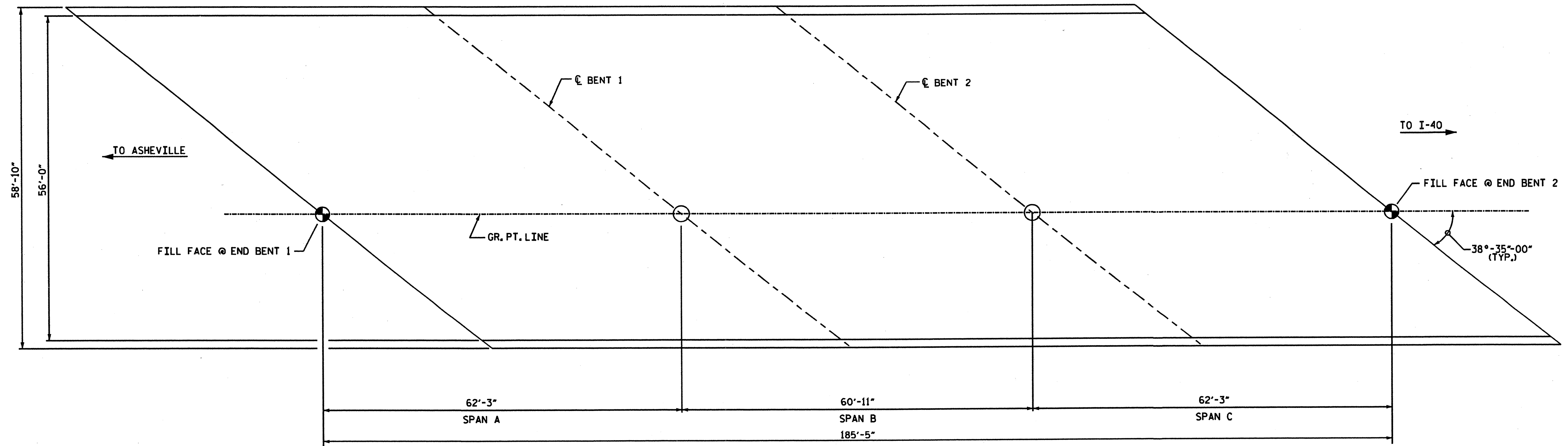
NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

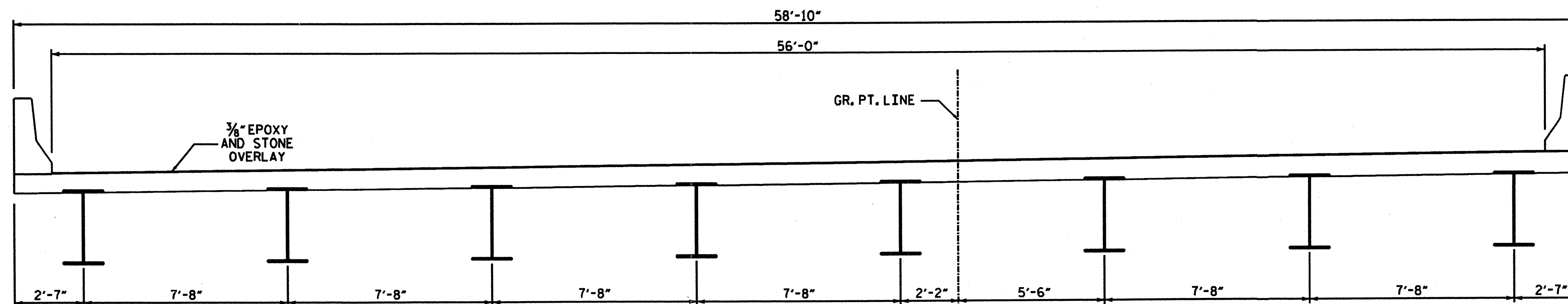
TOTAL BILL OF MATERIAL	
EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
7,195	75

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

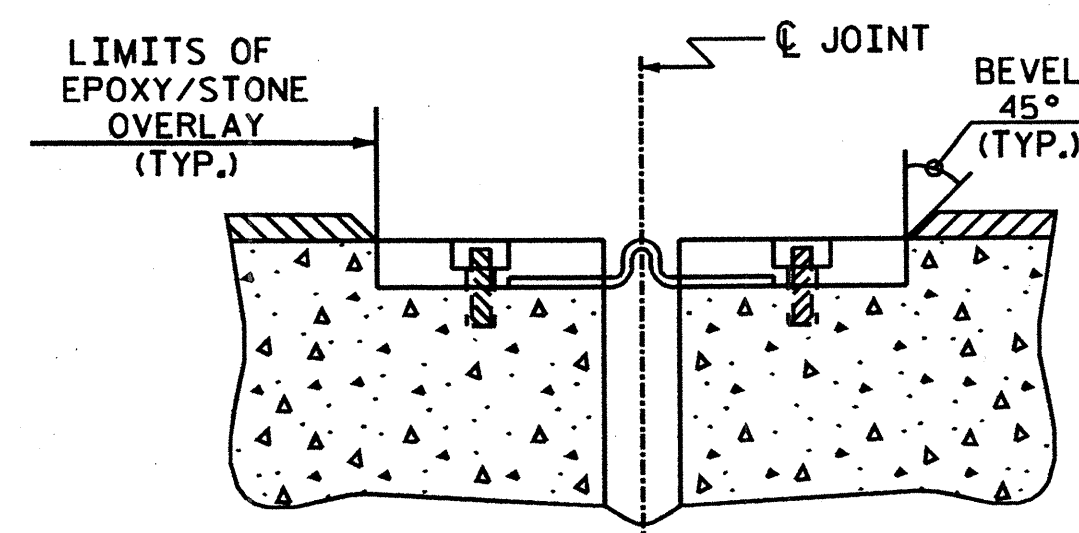
NOTE: NOT TO SCALE



PLAN VIEW

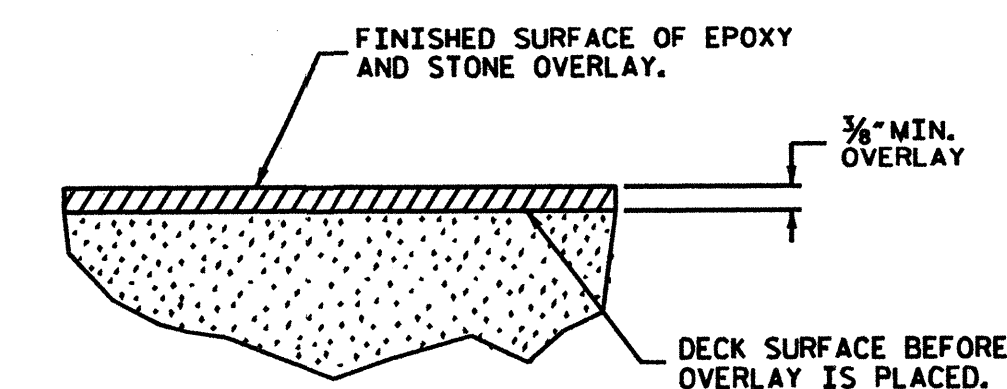


TYPICAL SECTION



EXISTING MECHANICAL JOINT

NOT TO BE REPLACED



DETAIL FOR EPOXY AND STONE OVERLAY

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.

TOTAL BILL OF MATERIAL

EPOXY/STONE OVERLAY	CLASS II DECK REPAIRS
SO.FT.	SO.FT.
10,267	100

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 501

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK REPAIR DETAILS FOR BRIDGE #501

56'-0" CLEAR ROADWAY

REVISIONS						SHRIT NO.
NO.	BY	DATE	NO.	BY	DATE	TOTAL SHEETS
1			2			49
2			4			

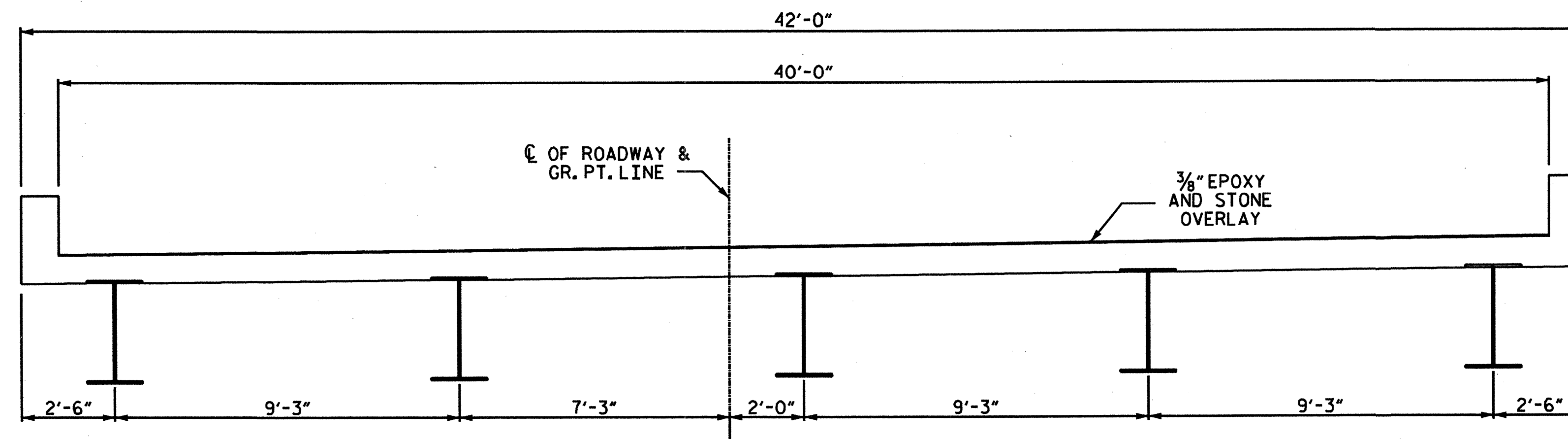
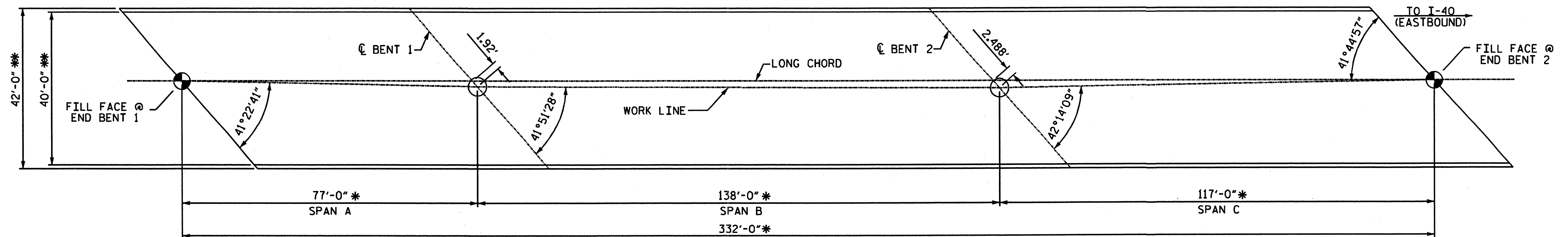
NOTE: NOT TO SCALE

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

*****SYSTIME*****

****USERNAME****

*****DGN*****



NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
 THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
 FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
 FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.
 THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 3/8" AT END BENT 1 AND 2 1/2" AT END BENT 2.

TOTAL BILL OF MATERIAL		
EPOXY/STONE OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS
SO.FT.	LUMP SUM	SO.FT.
15,483	LUMP SUM	130

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 504

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

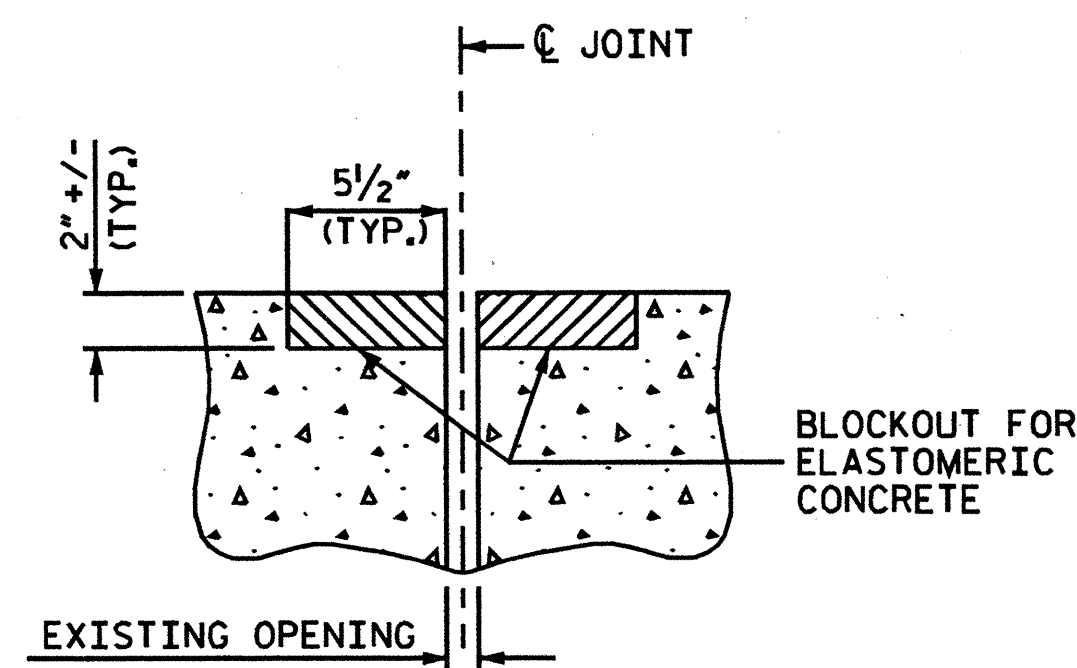
DECK REPAIR DETAILS
 FOR BRIDGE #504

40'-0" CLEAR ROADWAY

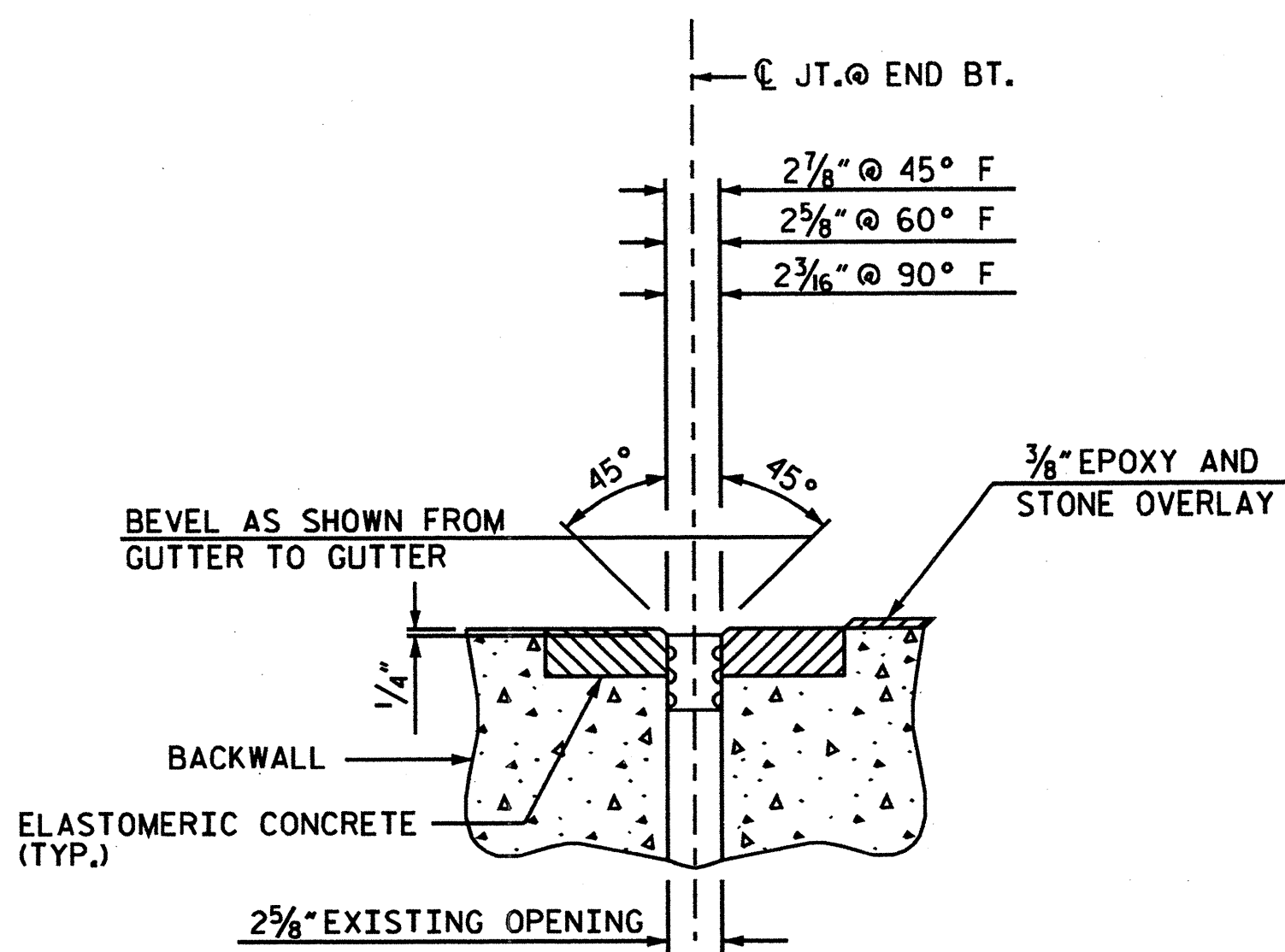
REVISIONS						SHEET NO. S-38
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09

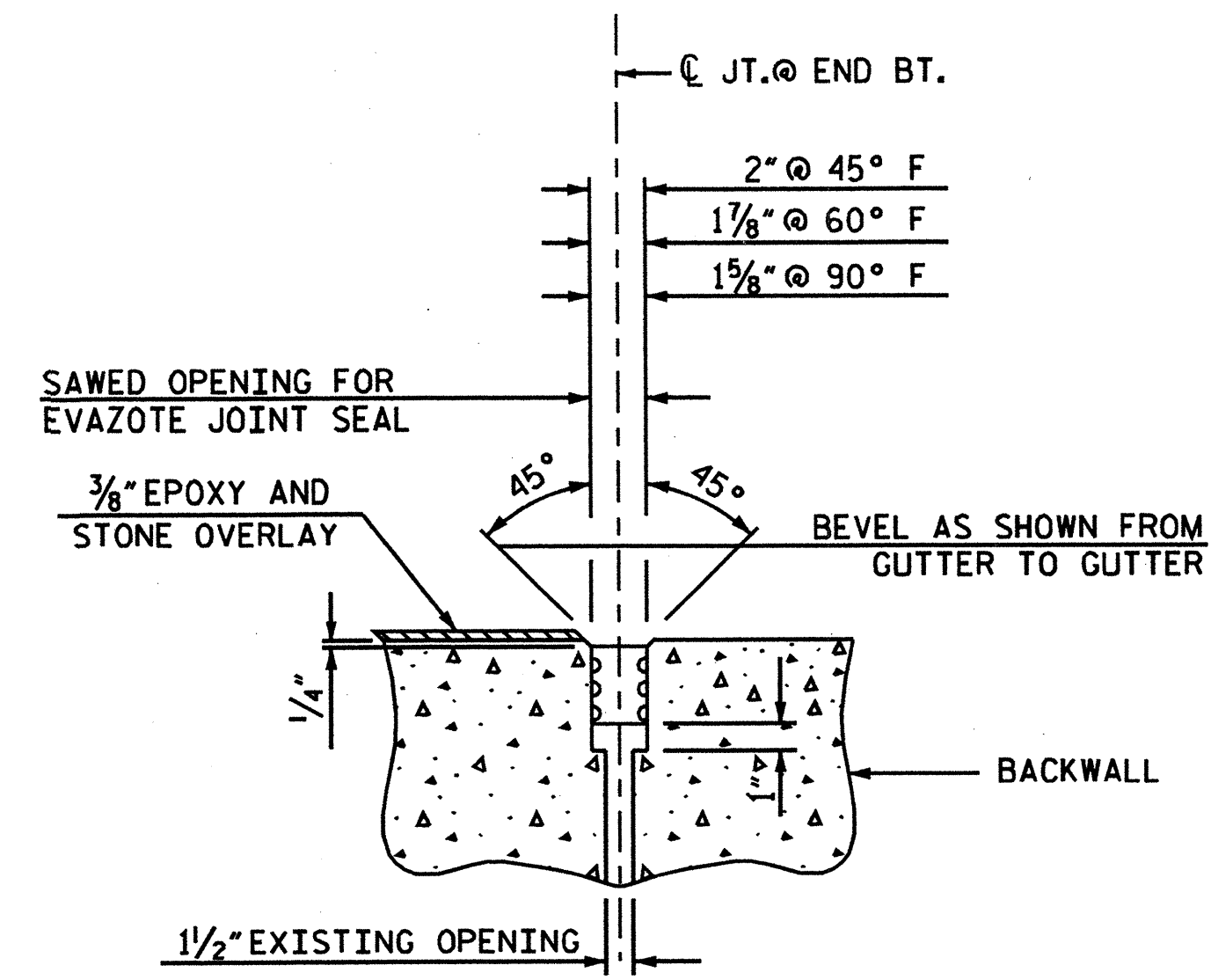
NOTE: NOT TO SCALE



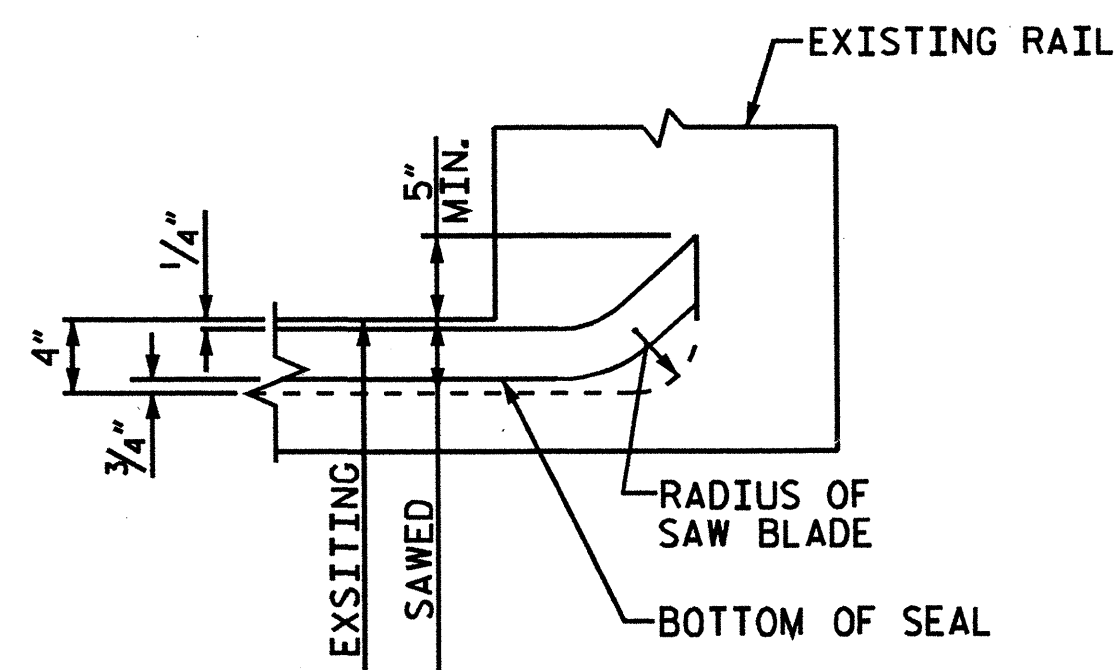
EVAZOTE JOINT SEAL
PRE-SAWED ELASTOMERIC CONCRETE DIMENSIONS



PROP. JOINT AT END BENT 1
EVAZOTE JOINT SEAL EXPANSION



PROP. JOINT AT END BENT 2
EVAZOTE JOINT SEAL EXPANSION

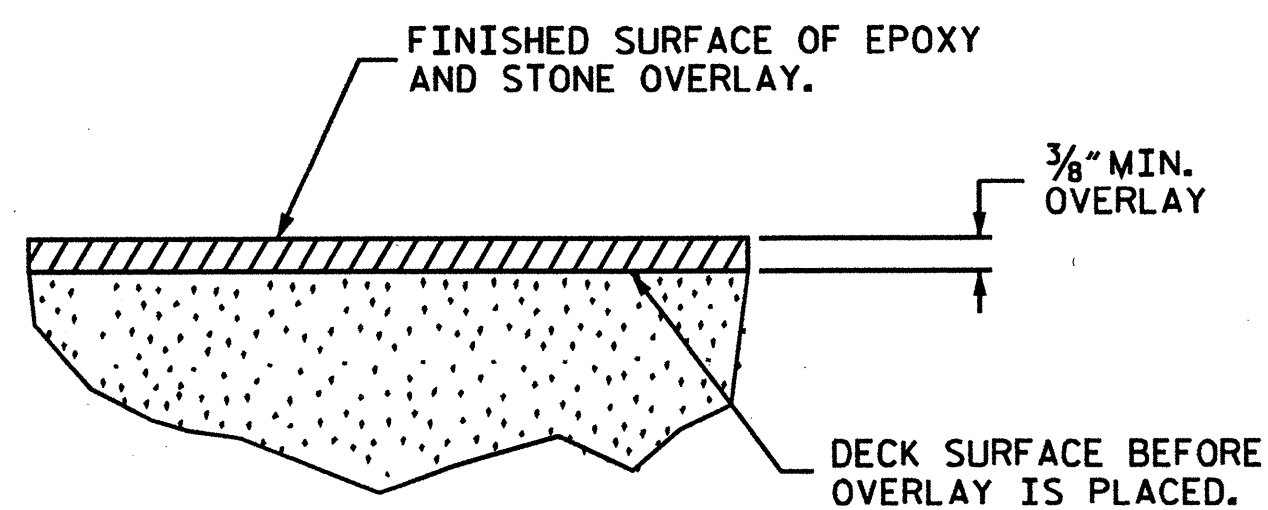


JOINT DETAIL AT RAIL

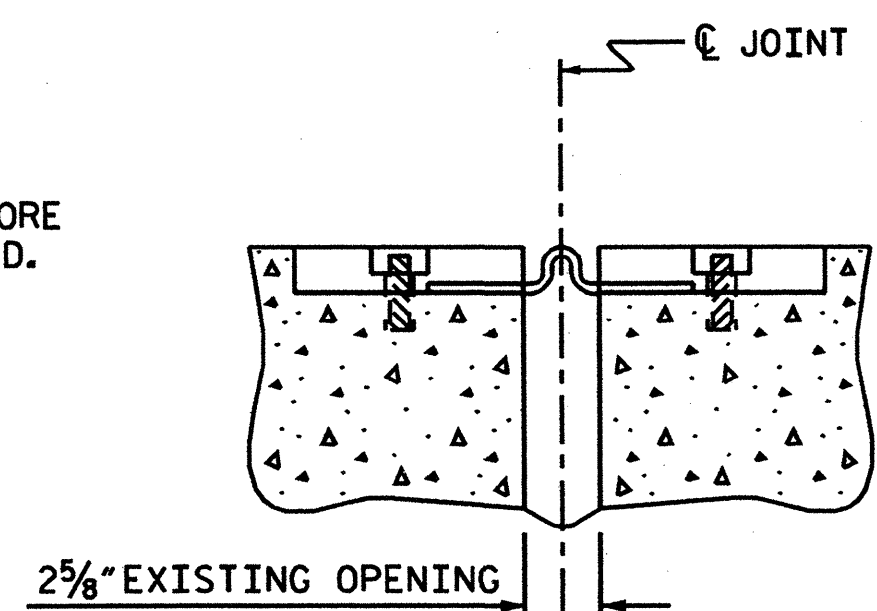
ELASTOMERIC CONCRETE	
END BENT #1	8.5 (CU. FT.)
* TOTAL	8.5 (CU. FT.)

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

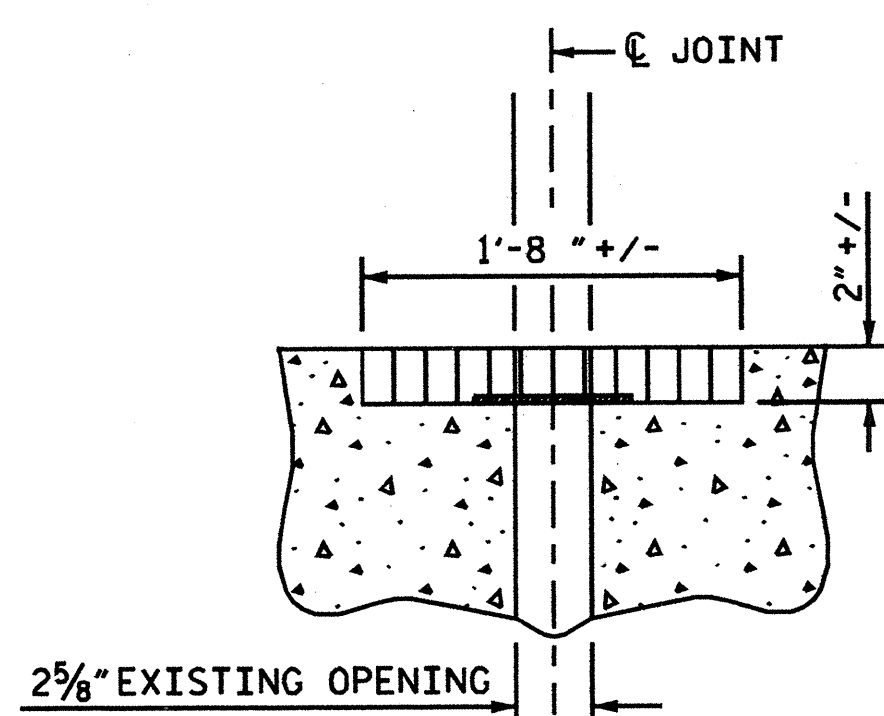
JOINT DETAILS



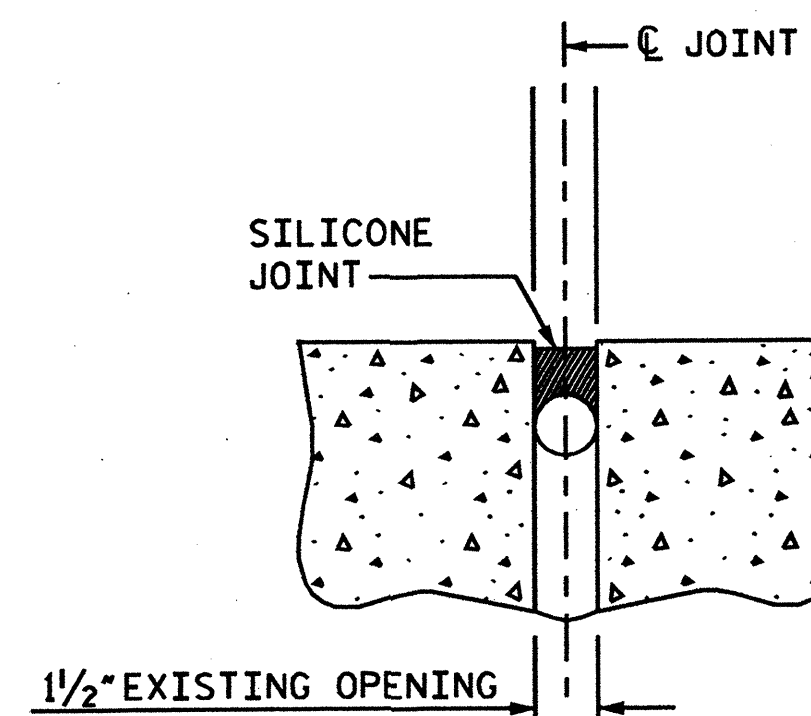
DETAIL FOR EPOXY AND STONE OVERLAY



EXISTING MECHANICAL JOINT DETAIL @ EB 1
SHOULDER



EXISTING PLUG JOINT DETAIL @ EB 1
TRAVEL LANES



EXISTING SILICONE JOINT DETAIL @ EB 2

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 504

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

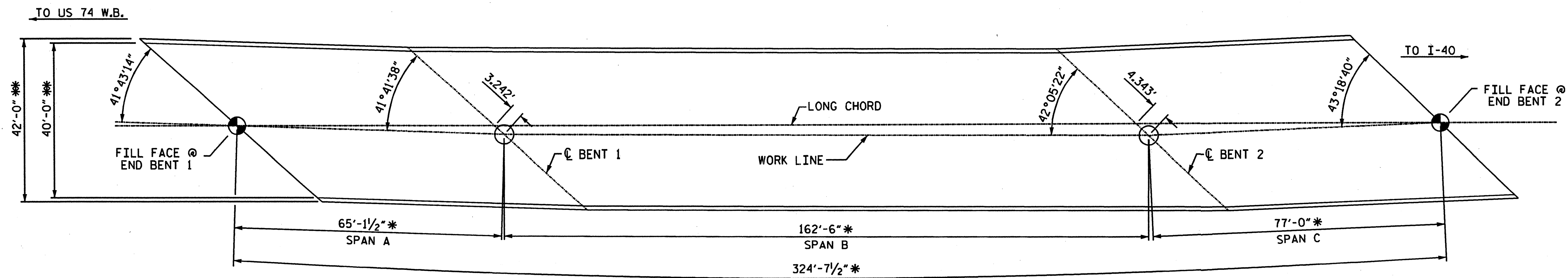
DECK REPAIR DETAILS
FOR BRIDGE #504

40'-0" CLEAR ROADWAY

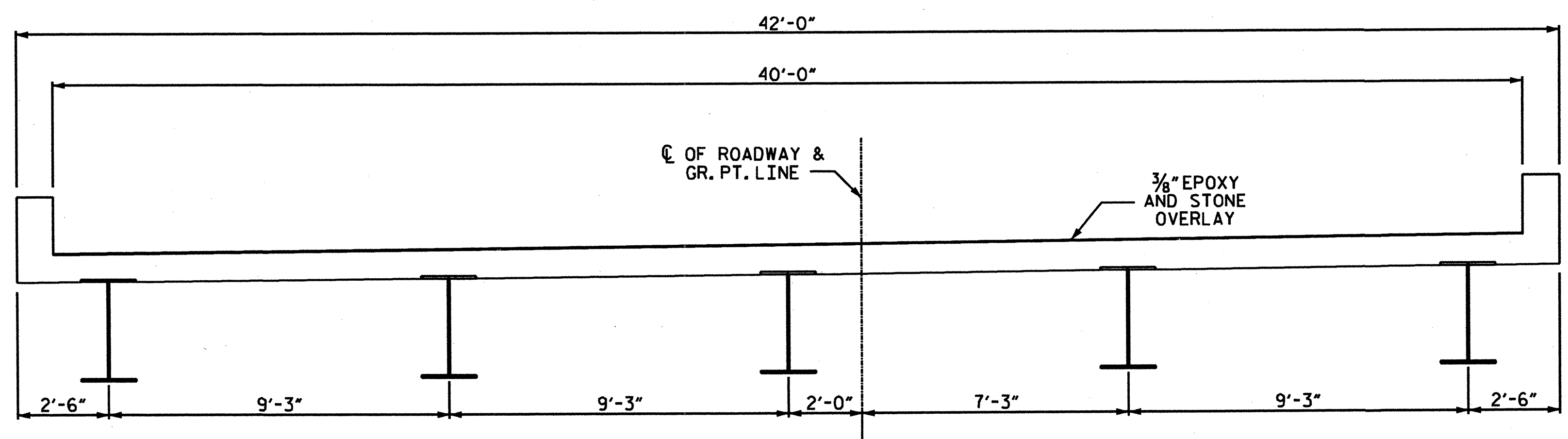
REVISIONS						SHEET NO. S-39
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

*****SYSTEM***** *****USERNAME***** *****SDGN*****



PLAN VIEW
* MEASURED ALONG ARC
** MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
THE QUANTITY FOR CLASS DECK REPAIR IS APPROXIMATE.
FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENT 2.

TOTAL BILL OF MATERIAL		
EPOXY/STONE OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS
SO.FT.	LUMP SUM	SO.FT.
14,966	LUMP SUM	130

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 507

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

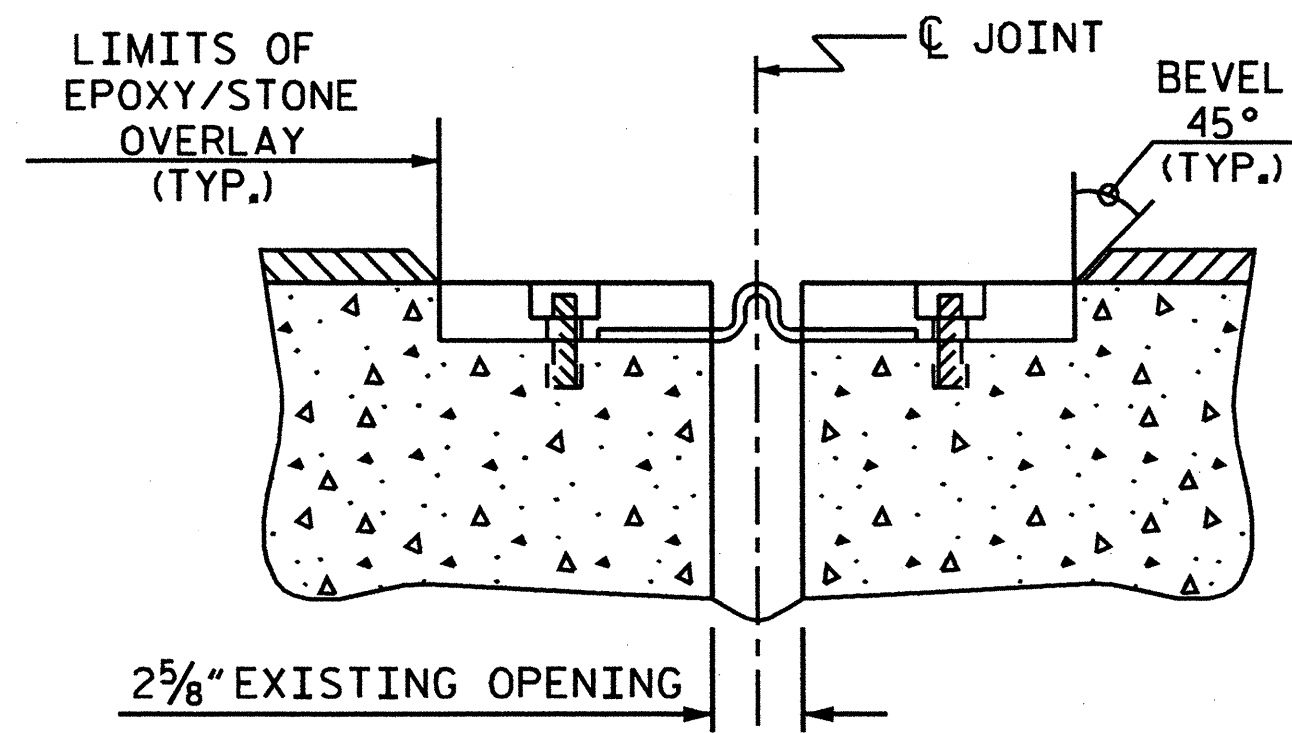
DECK REPAIR DETAILS
FOR BRIDGE #507

40'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-40
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

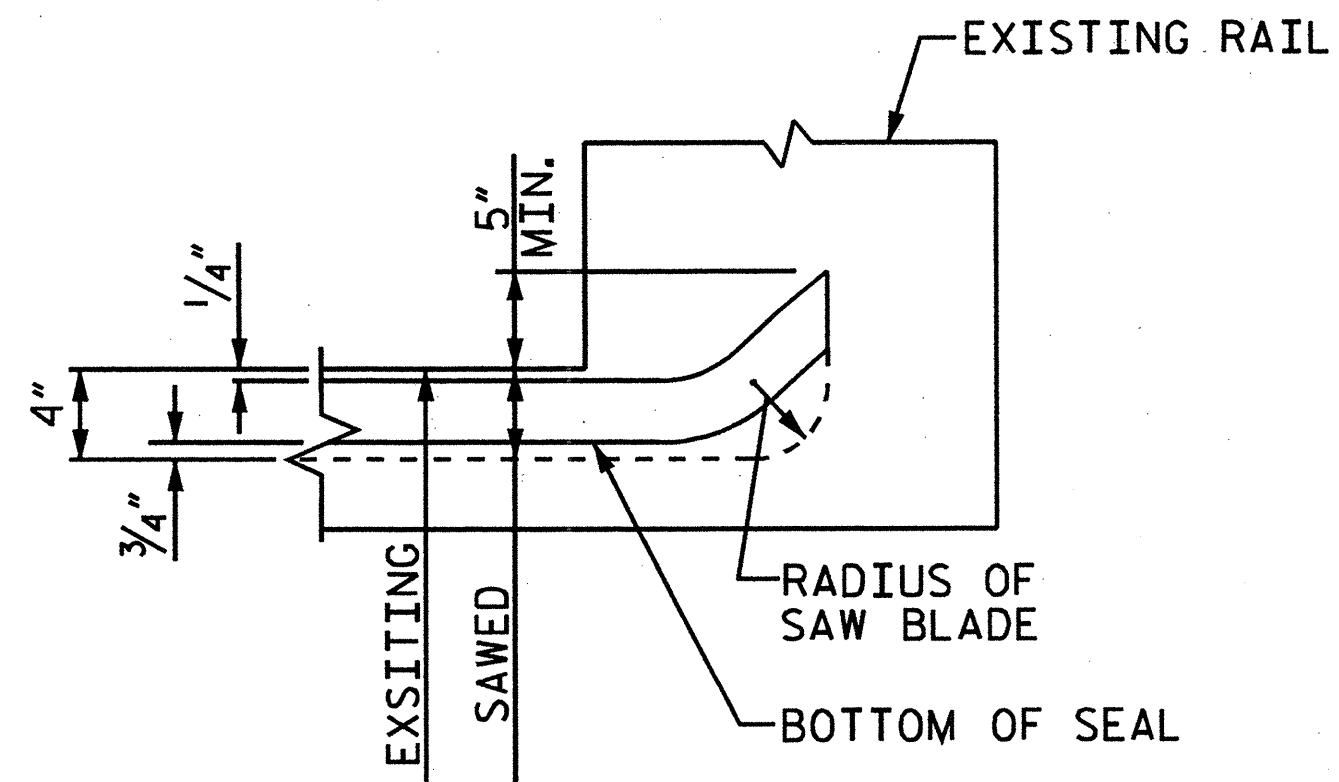
DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

NOTE: NOT TO SCALE



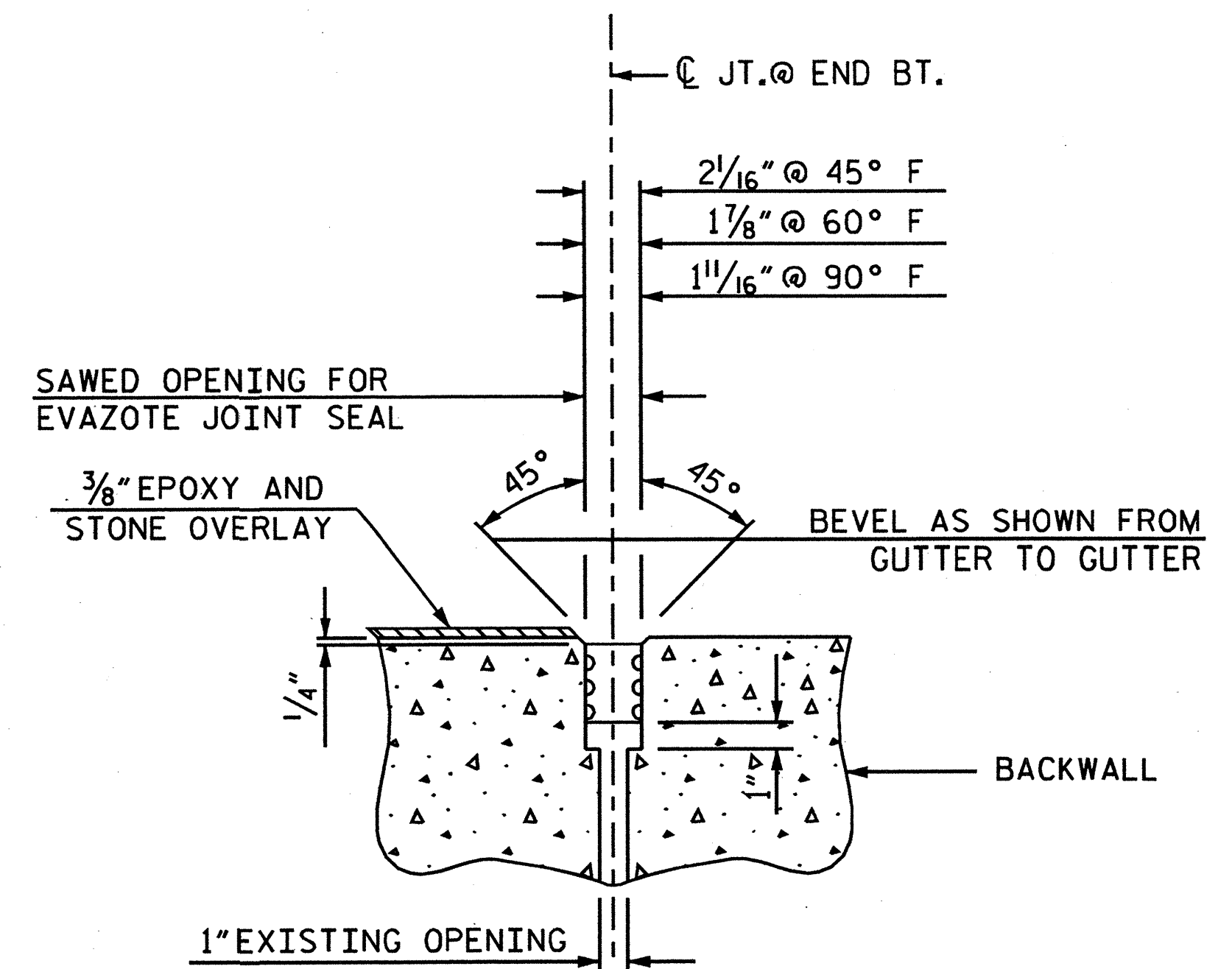
EXISTING MECHANICAL
JOINT DETAIL @ EB 1

NOT TO BE REPLACED



JOINT DETAIL
AT RAIL

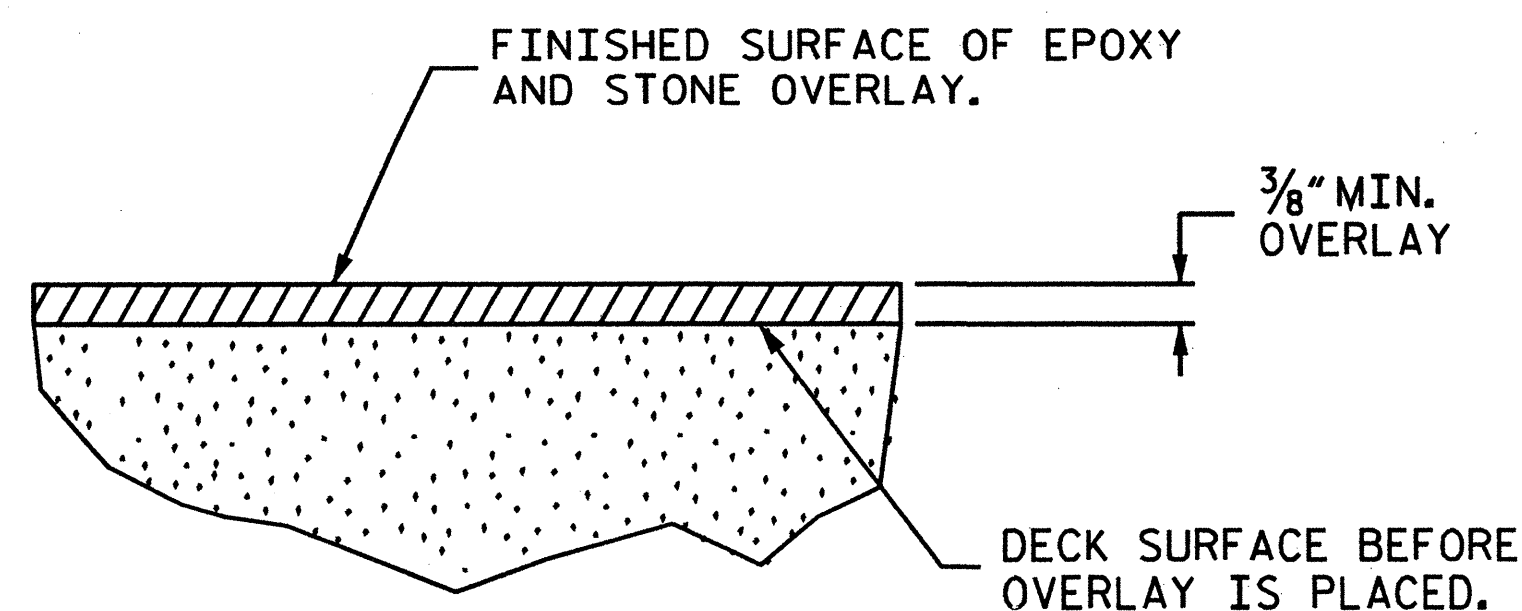
FOR END BENT 2



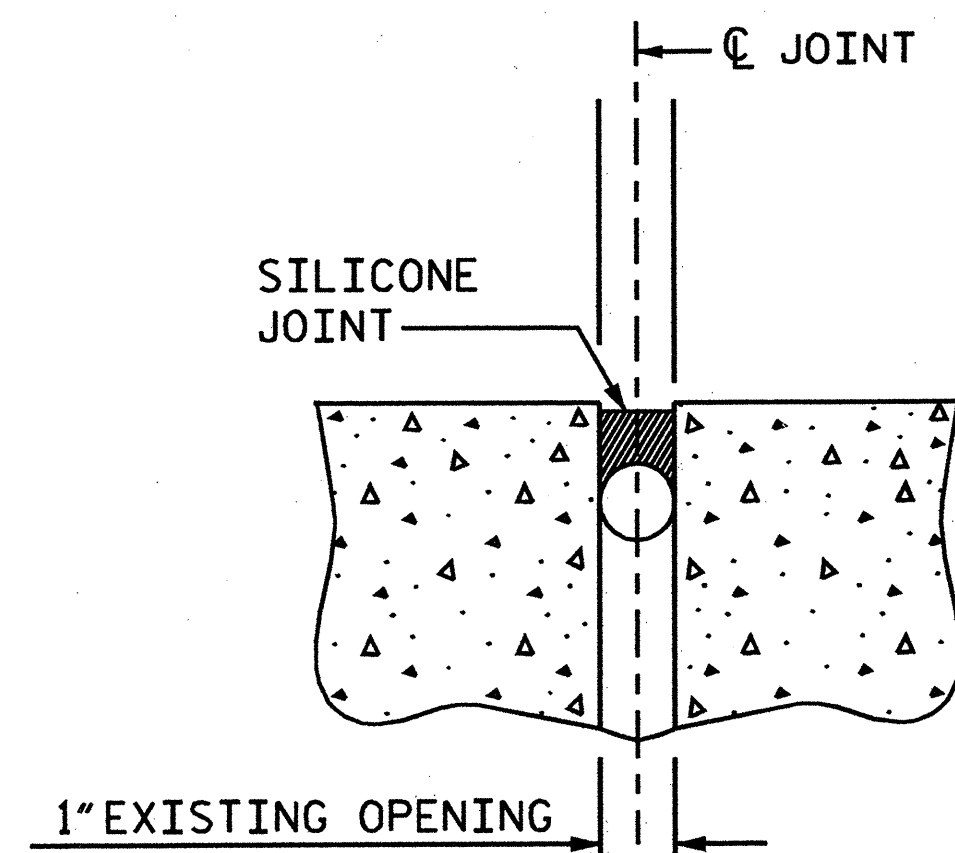
PROP. JOINT AT
END BENT 2

EVAZOTE JOINT
SEAL EXPANSION

JOINT DETAILS



DETAIL FOR EPOXY
AND STONE OVERLAY



EXISTING SILICONE
JOINT DETAIL @ EB 2

TO BE REPLACED

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 507

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK REPAIR DETAILS
FOR BRIDGE #507

40'-0" CLEAR ROADWAY

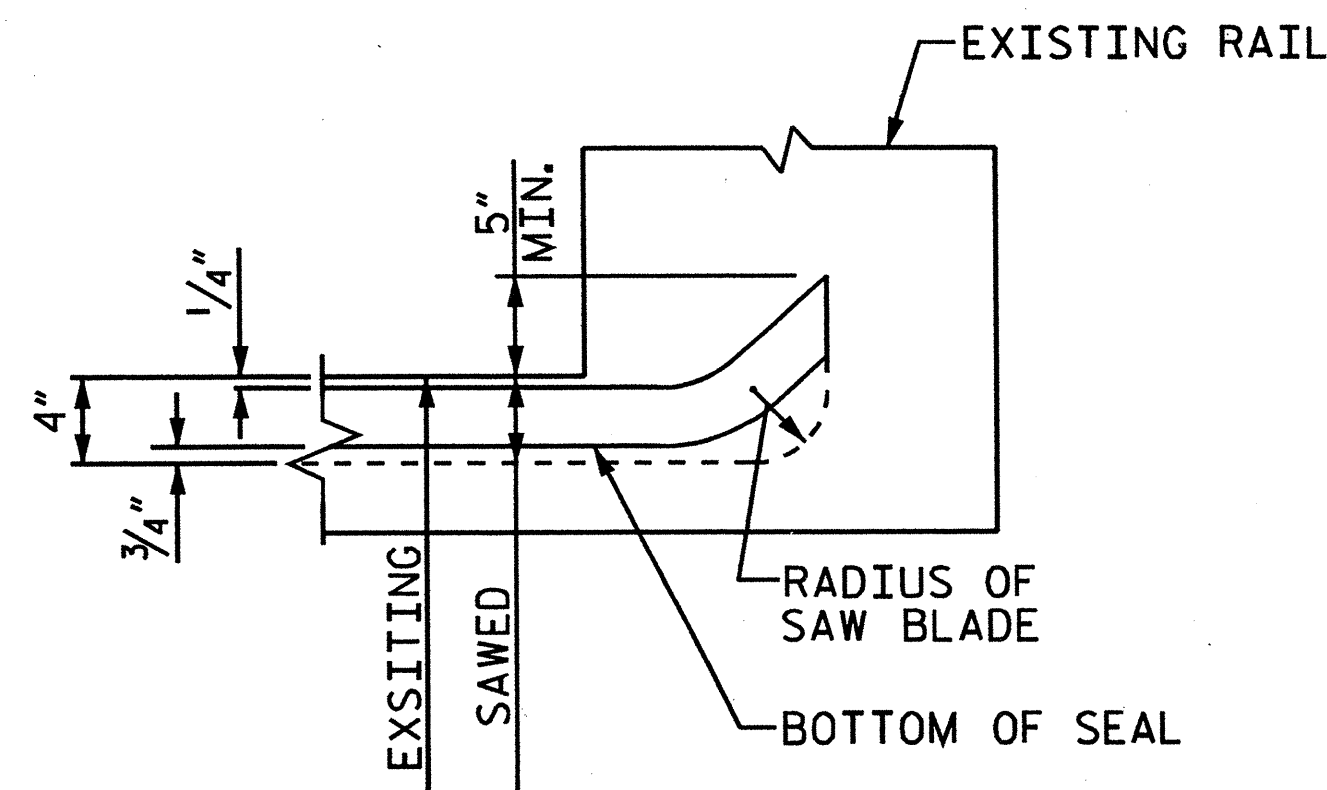
REVISIONS						SHEET NO. S-41
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

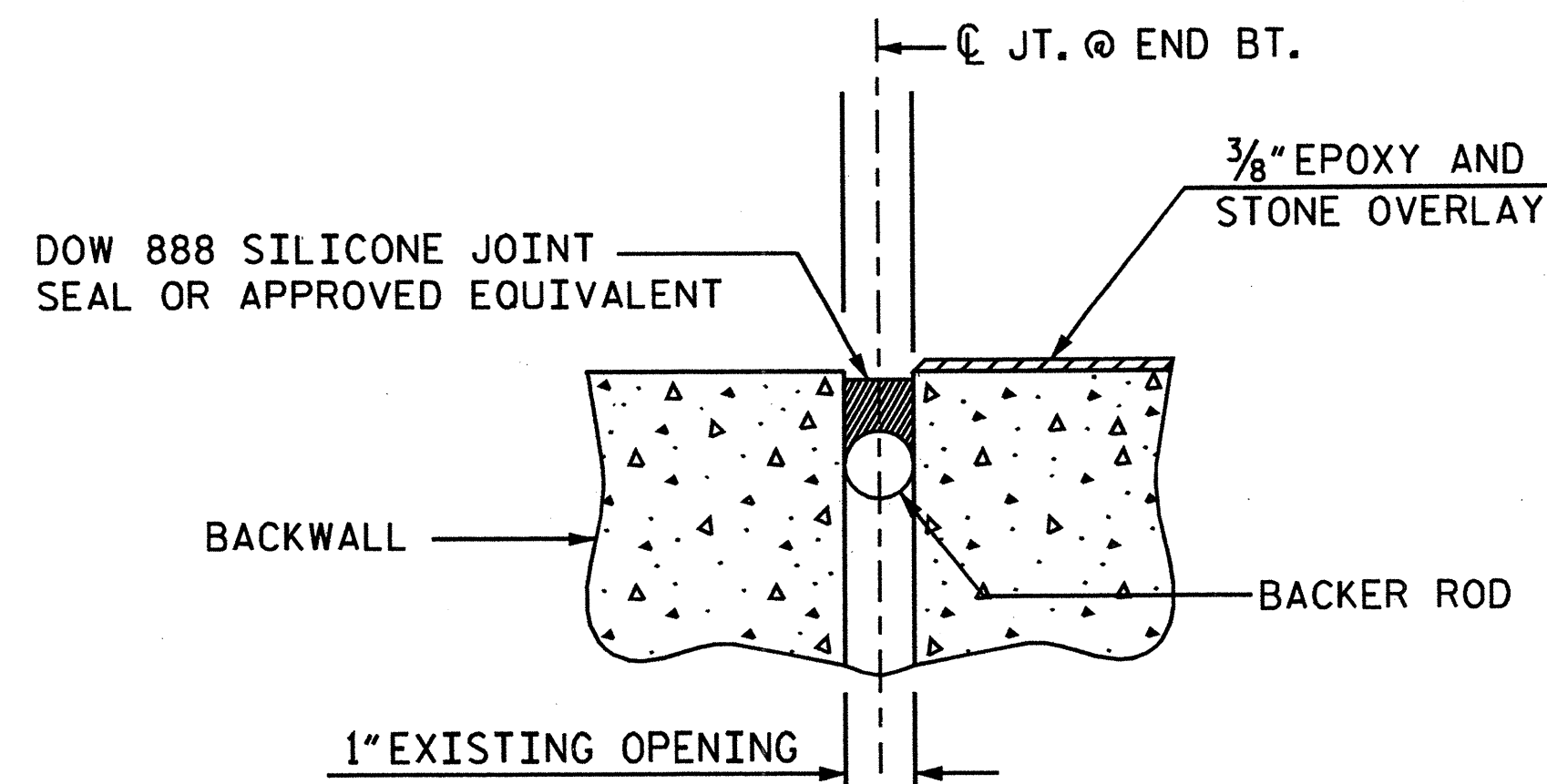
*****SYTIME*****

****USERNAME****

*****DCGN*****

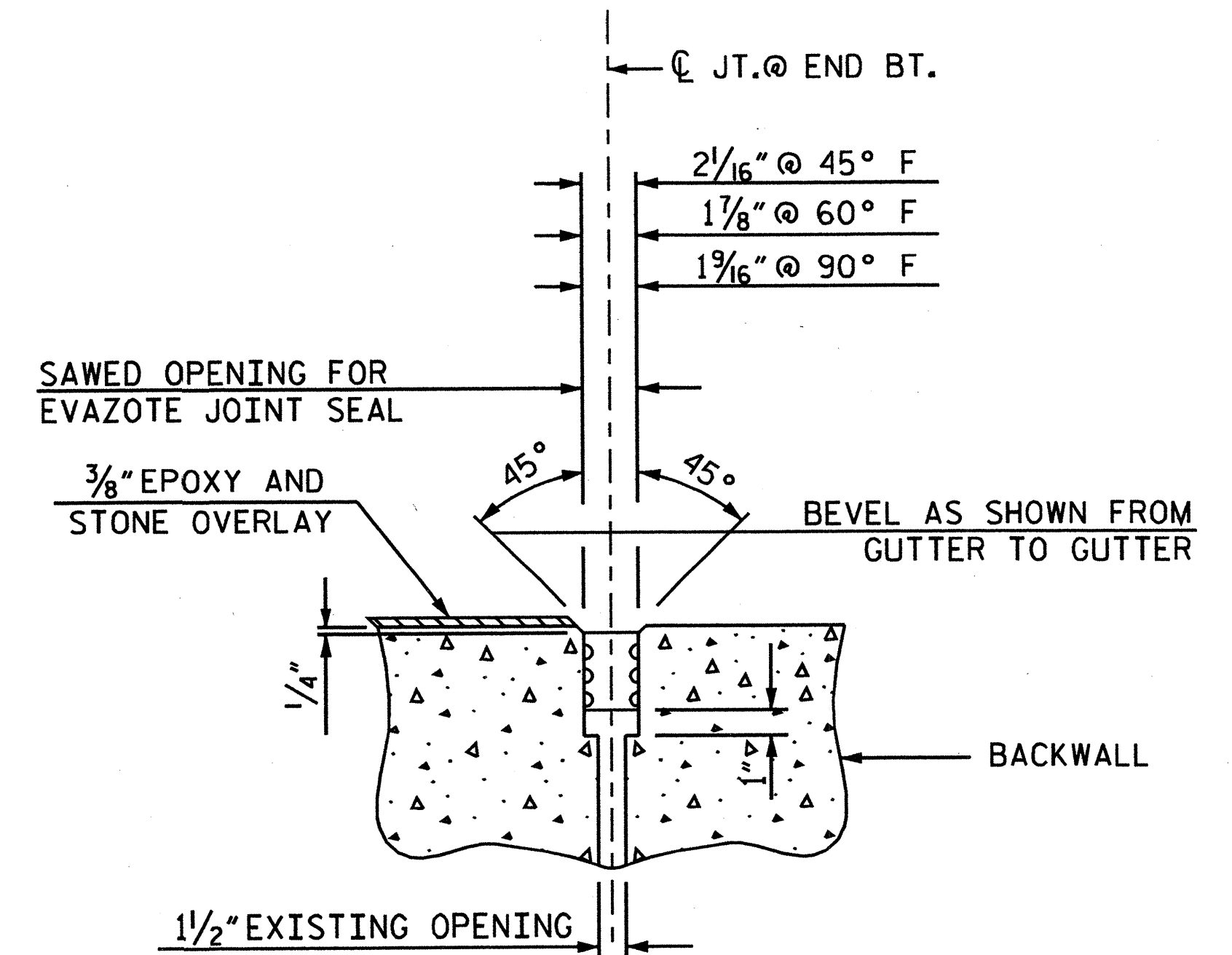


JOINT DETAIL AT RAIL



PROP. JOINT AT END BENT 1

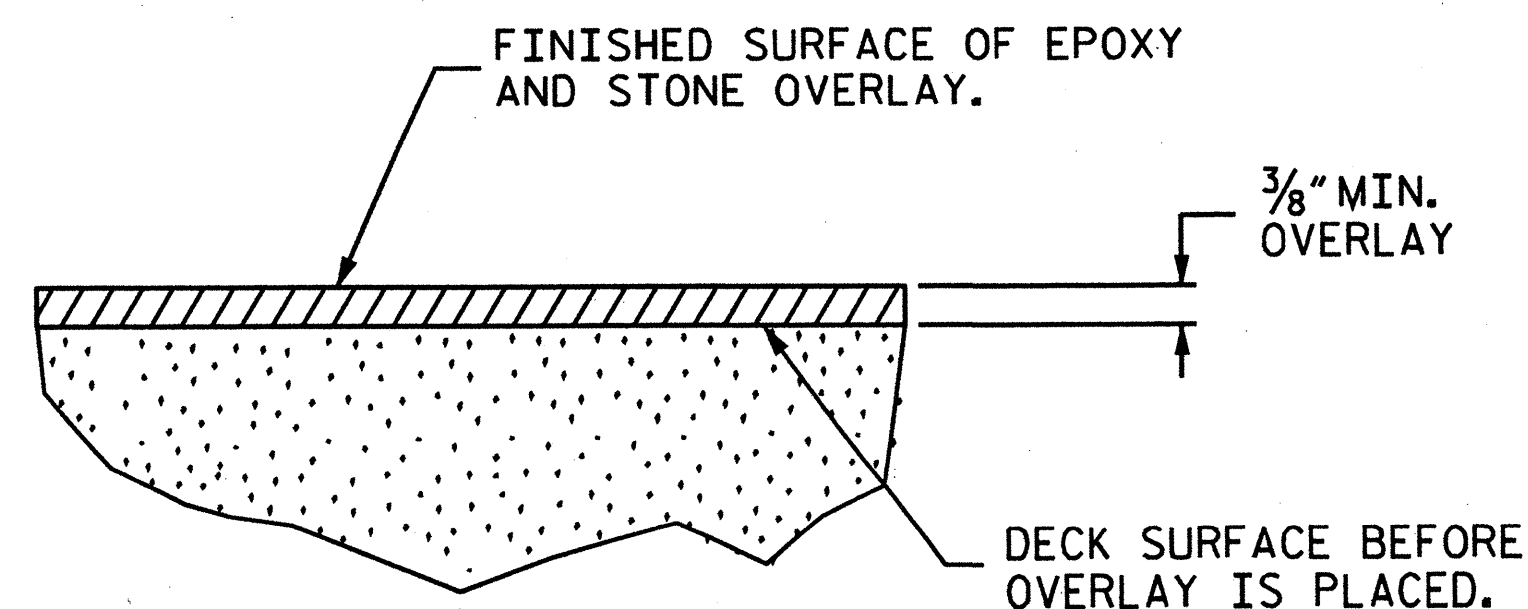
REMOVE EXISTING SEAL AND GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL BACKER ROD AND NEW JOINT SEAL.



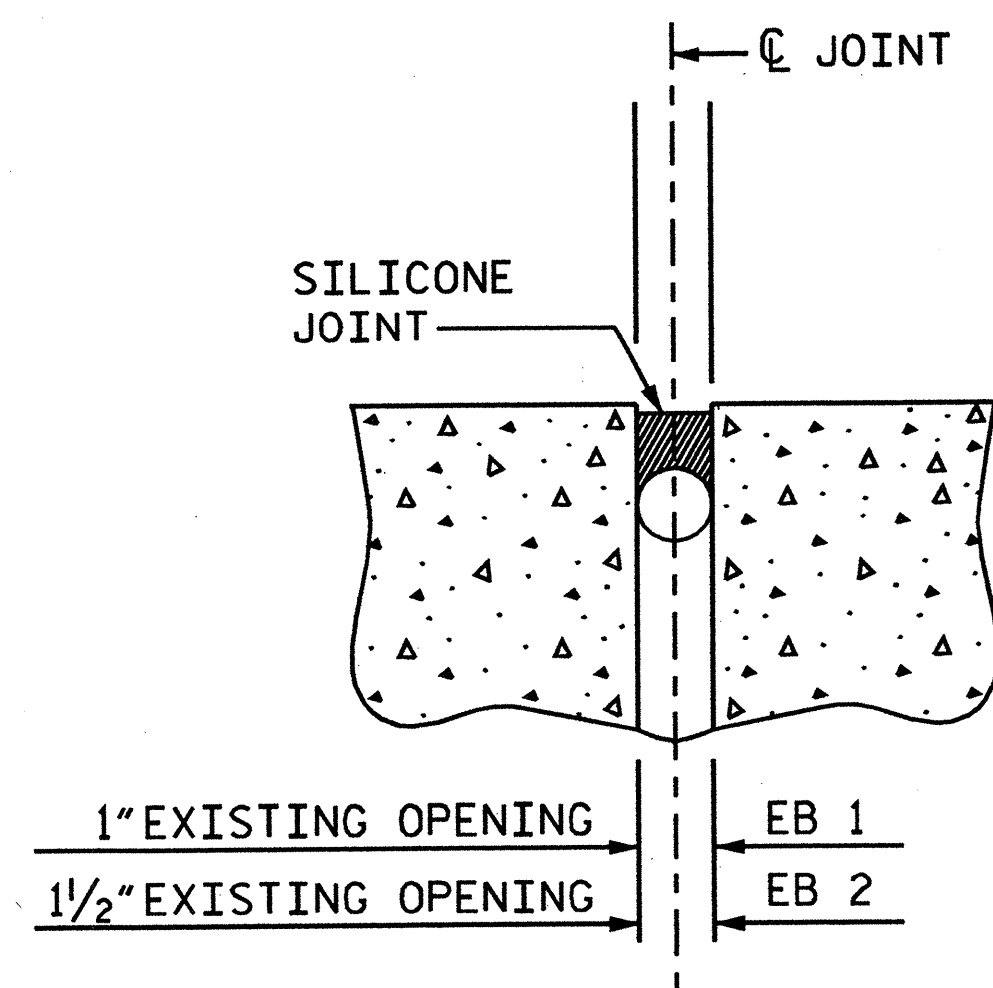
PROP. JOINT AT END BENT 2

EVAZOTE JOINT SEAL EXPANSION

JOINT DETAILS



DETAIL FOR EPOXY AND STONE OVERLAY



EXISTING SILICONE JOINT DETAIL

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 509

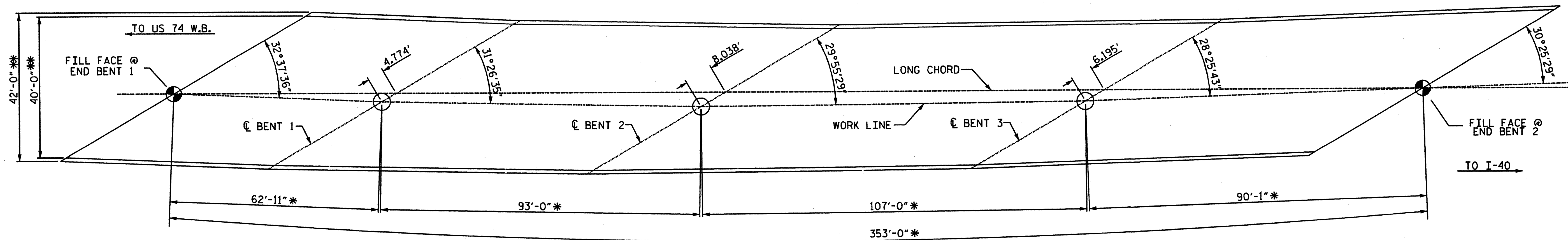
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK REPAIR DETAILS
 FOR BRIDGE #509

40'-0" CLEAR ROADWAY

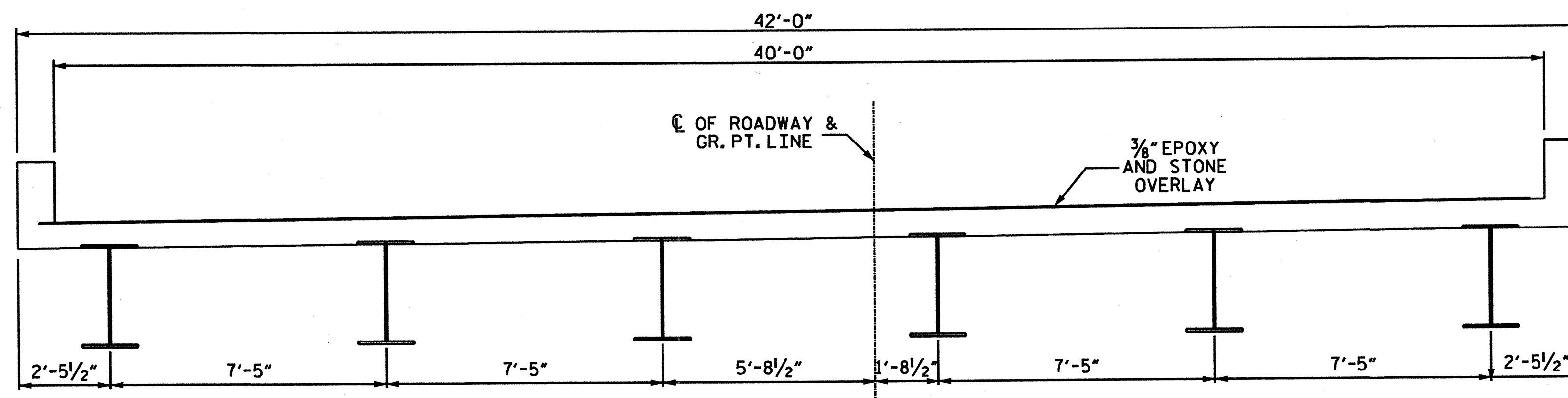
REVISIONS						SHEET NO. S-43
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09



PLAN VIEW

* MEASURED ALONG ARC
** MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH EPOXY AND STONE OVERLAY, SEE SPECIAL PROVISIONS.
SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS.
THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT END BENT 1 AND END BENT 2.

TOTAL BILL OF MATERIAL		
EPOXY/STONE OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS
SO.FT.	LUMP SUM	SO.FT.
16,516	LUMP SUM	150

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 510

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
DECK REPAIR DETAILS
FOR BRIDGE #510
40'-0" CLEAR ROADWAY

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

S-44
TOTAL SHEETS
49

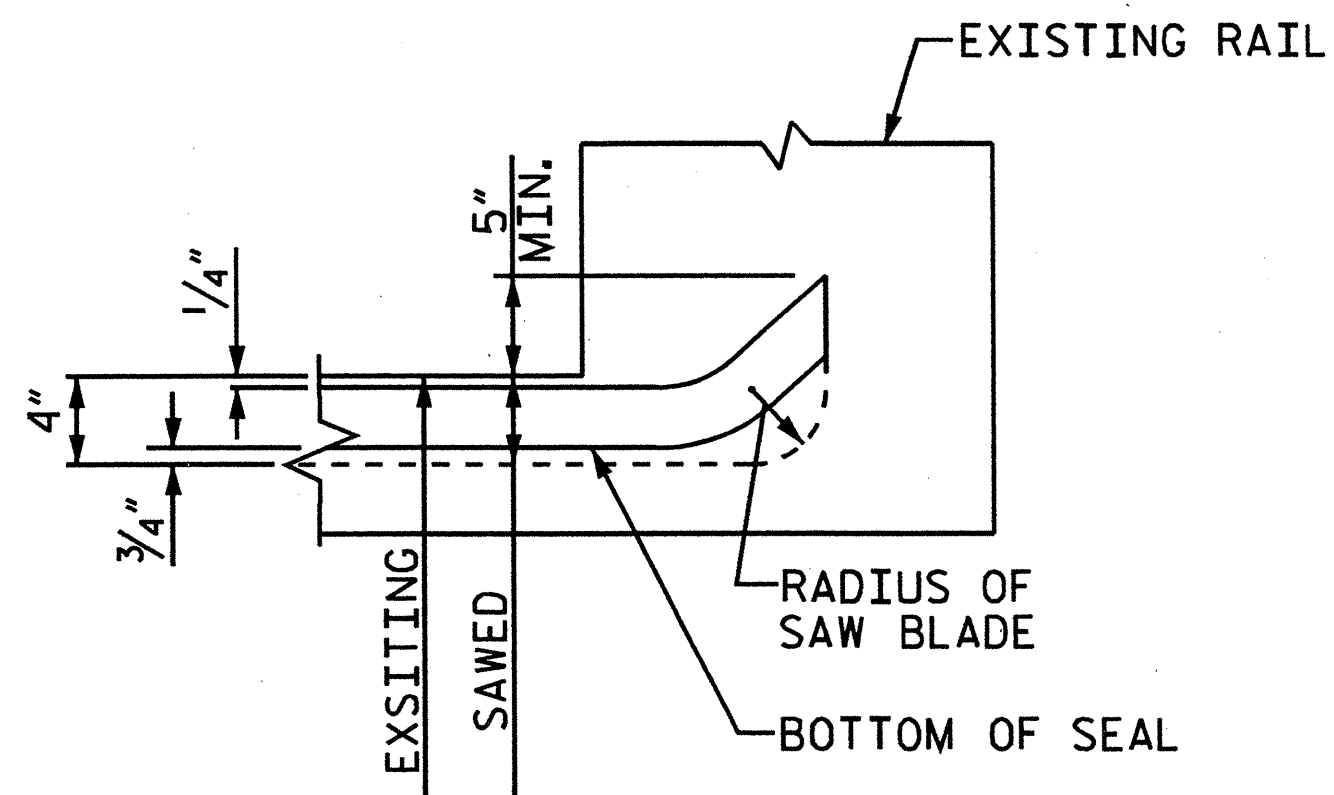
NOTE: NOT TO SCALE

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

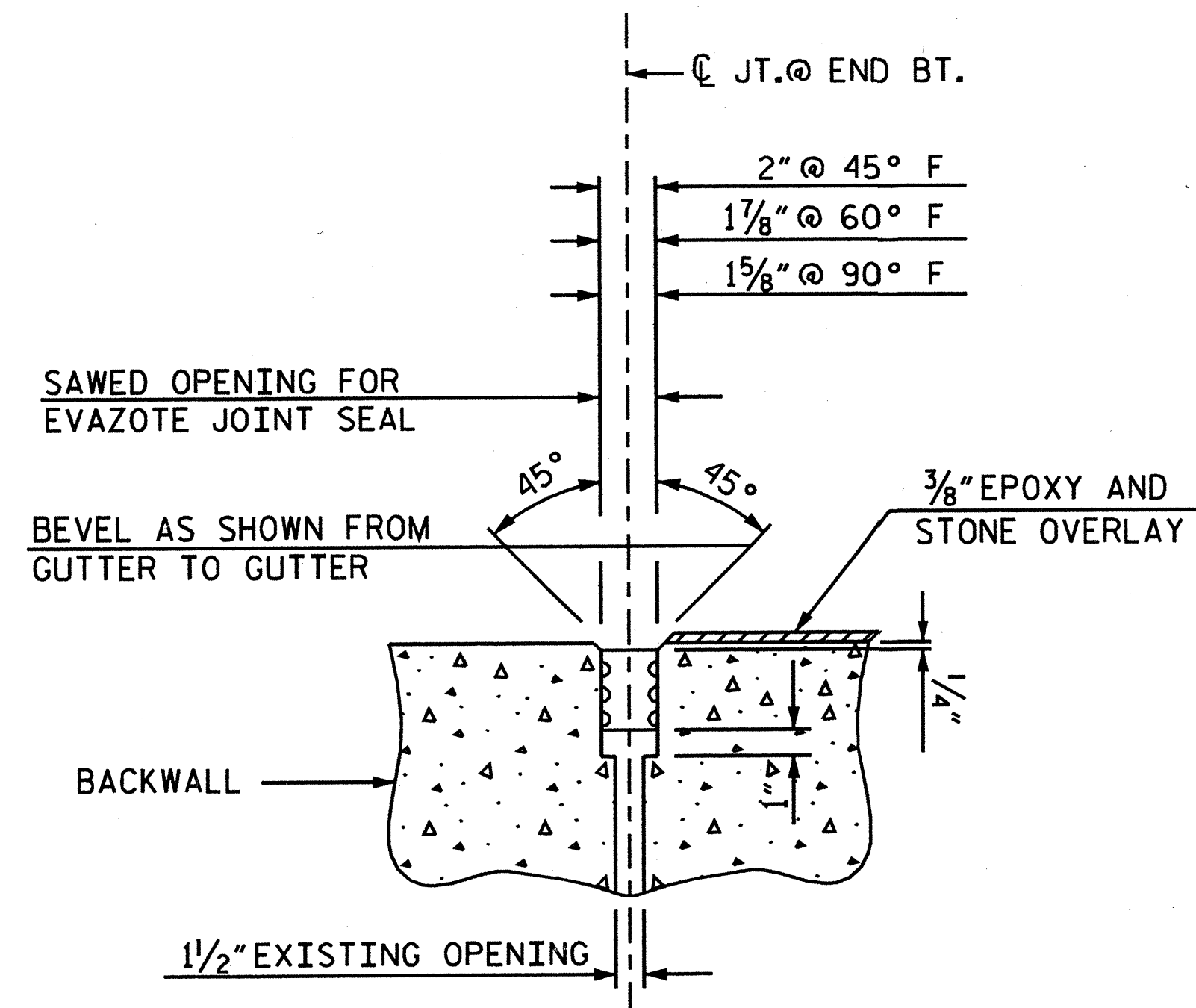
*****SYTIME*****

****USERNAME****

*****DGN*****



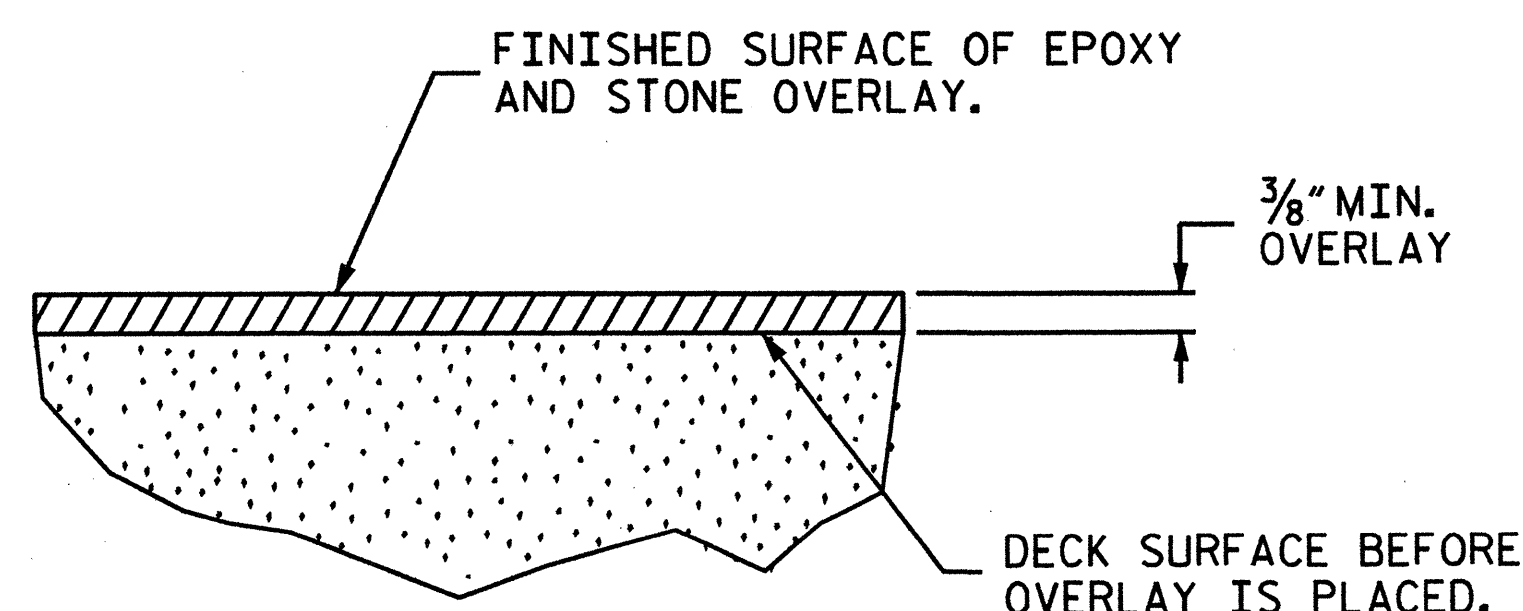
JOINT DETAIL AT RAIL



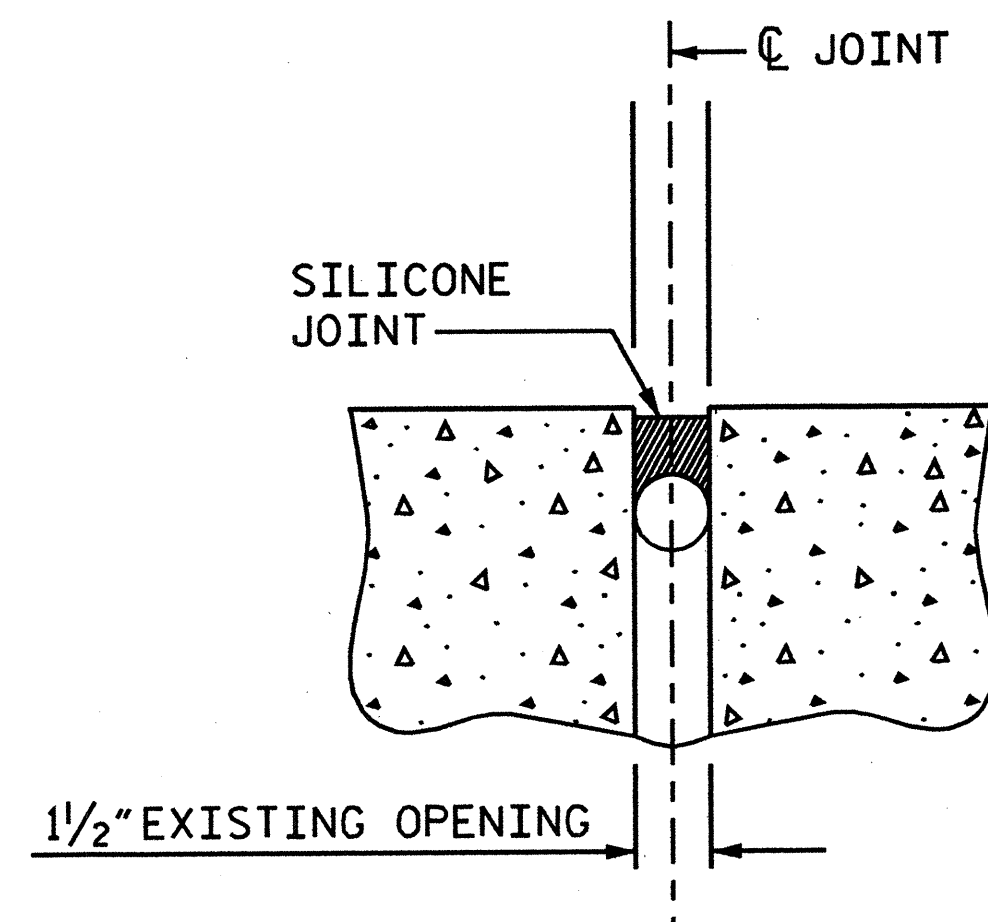
PROP. JOINT AT END BENTS

EVAZOTE JOINT SEAL EXPANSION

JOINT DETAILS



DETAIL FOR EPOXY AND STONE OVERLAY



EXISTING SILICONE JOINT DETAIL

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 510

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK REPAIR DETAILS FOR BRIDGE #510

40'-0" CLEAR ROADWAY

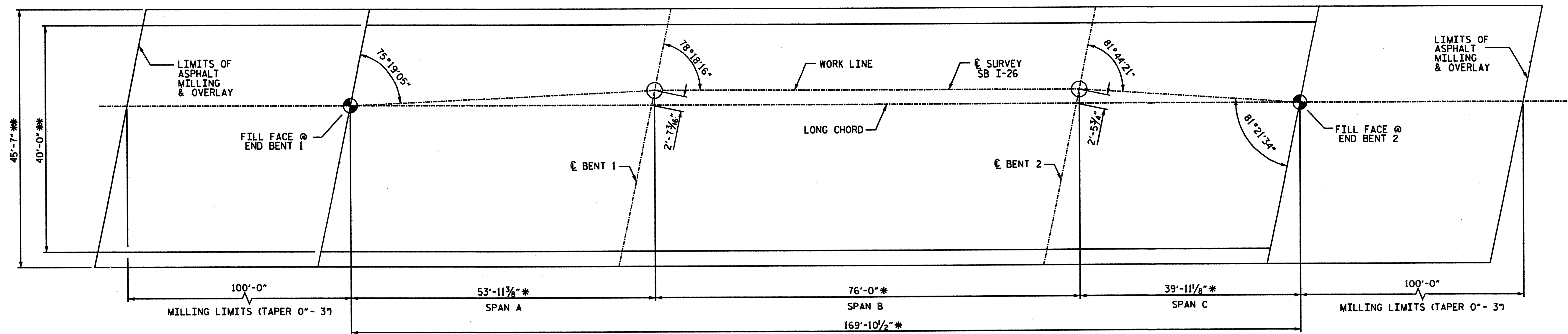
REVISIONS						SHEET NO. S-45
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

*****SYSTIME*****

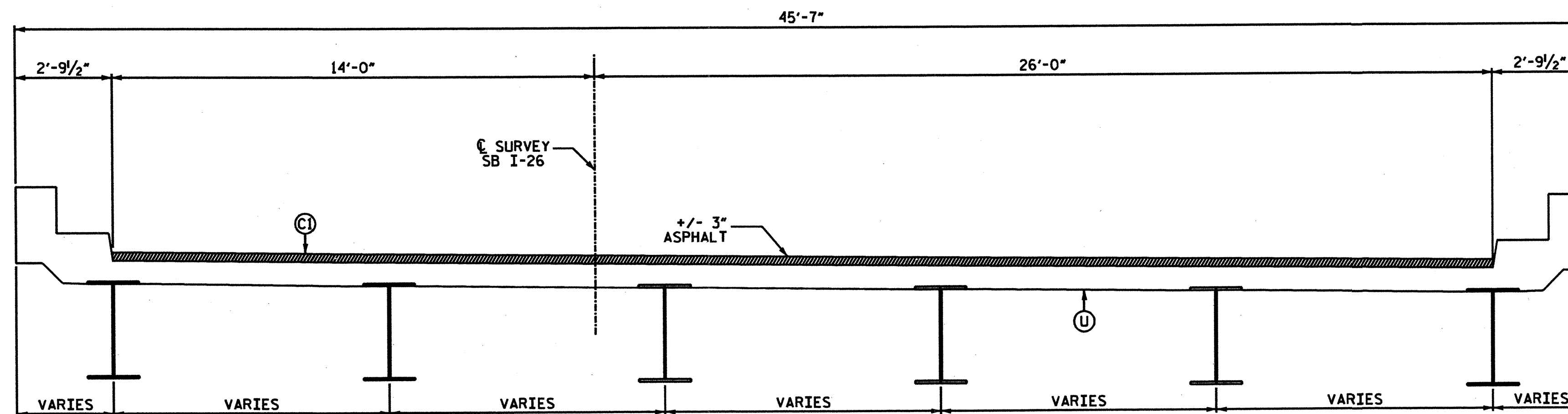
*****USERNAME*****

*****DGN*****



PLAN VIEW

* MEASURED ALONG ARC
 ** MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH SF9.5A ASPHALT OVERLAY, SEE SPECIAL PROVISIONS.
 SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS. THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
 FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
 FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.
 THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2\"/>

TOTAL BILL OF MATERIAL			
SF9.5A ASPHALT OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS	CLASS IB SURFACE PREPARATION
TONS	LUMP SUM	SO.FT.	SO.YD.
167	LUMP SUM	340	1,768

Ⓒ	PROPOSED APPROXIMATE 3\"/>
Ⓔ	BRIDGE DECK.

PROJECT NO. B-5179C
 COUNTY: BUNCOMBE
 DECK REHAB BRIDGE NO. 254

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

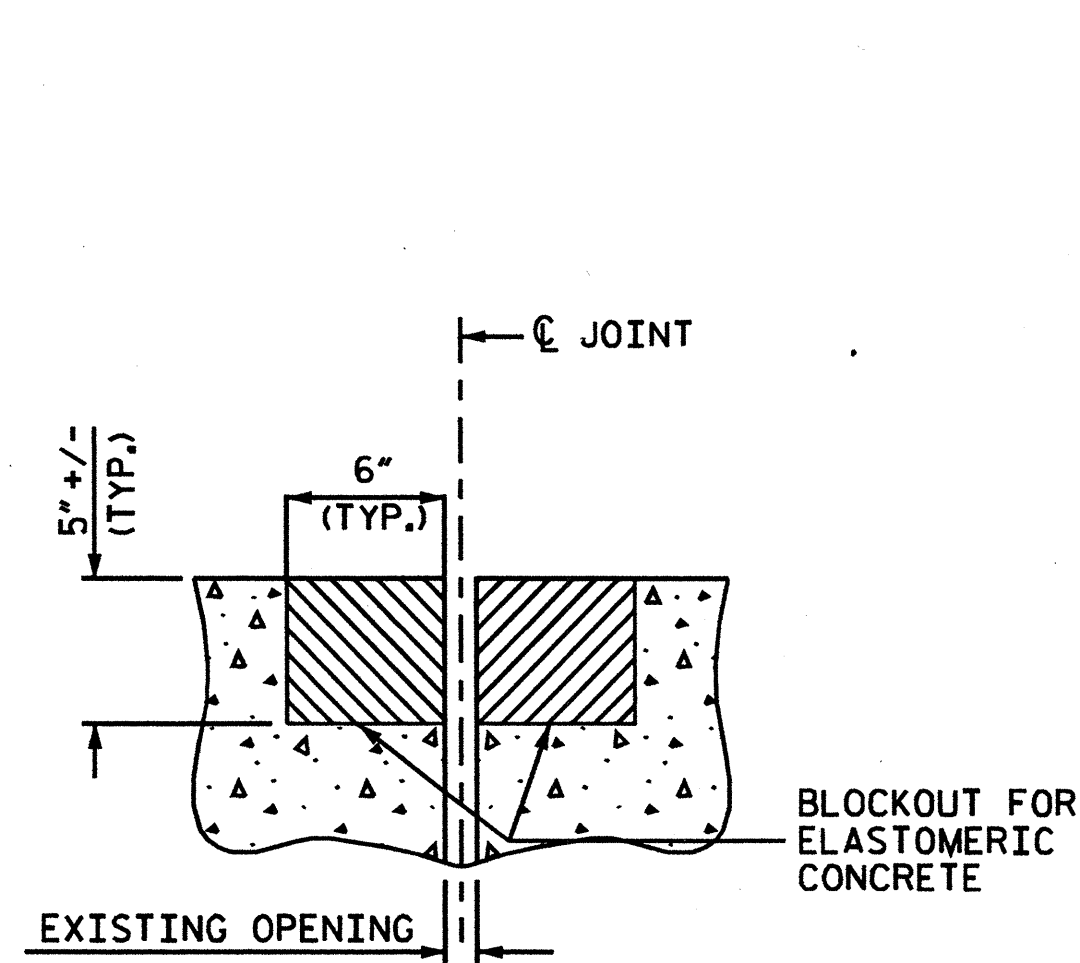
DECK REPAIR DETAILS
 FOR BRIDGE #254

40'-0\"/>

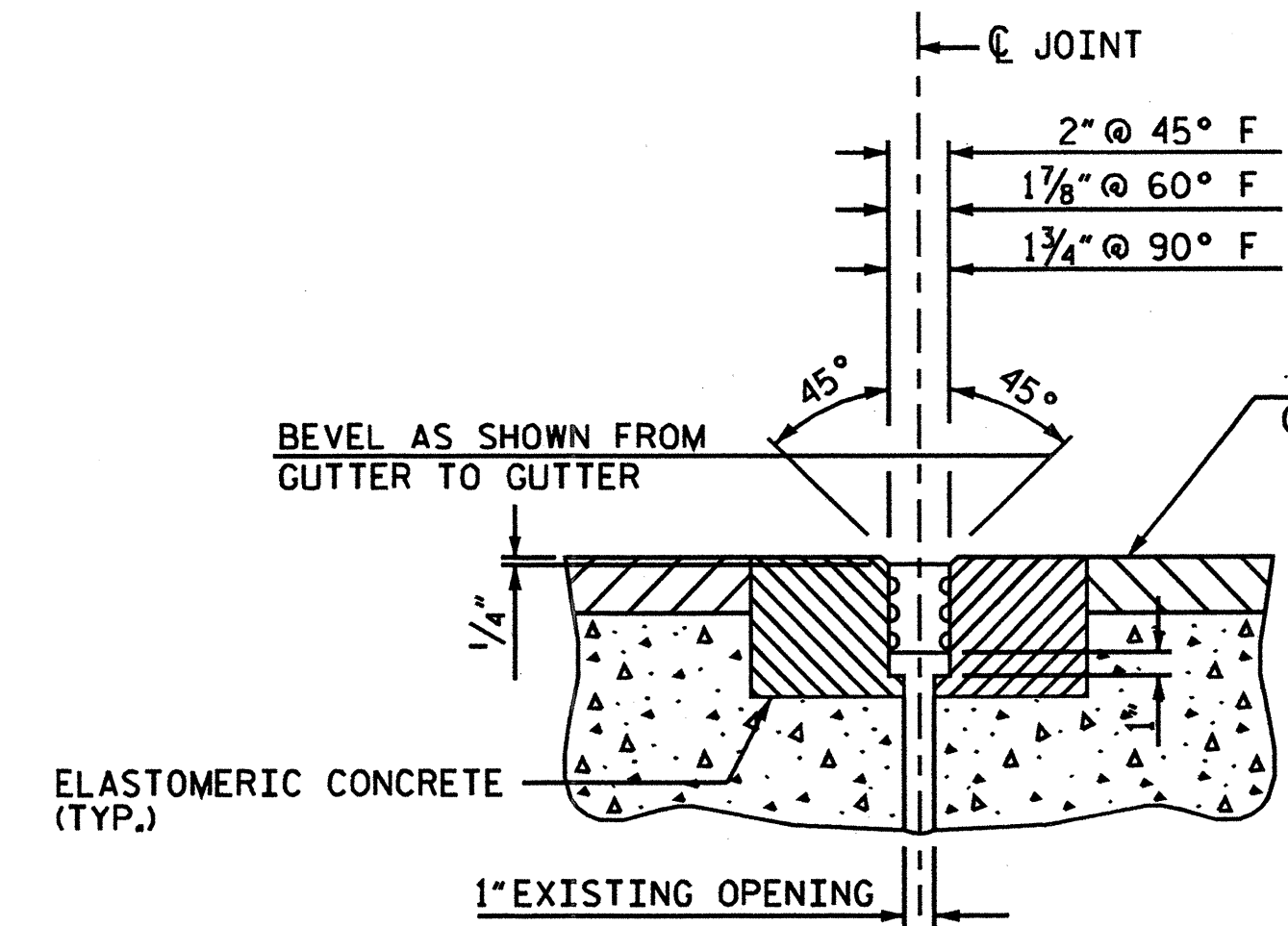
REVISIONS						SHEET NO. S-46
NO.	BY	DATE	NO.	BY	DATE	
1			2			TOTAL SHEETS 49
2			4			

NOTE: NOT TO SCALE

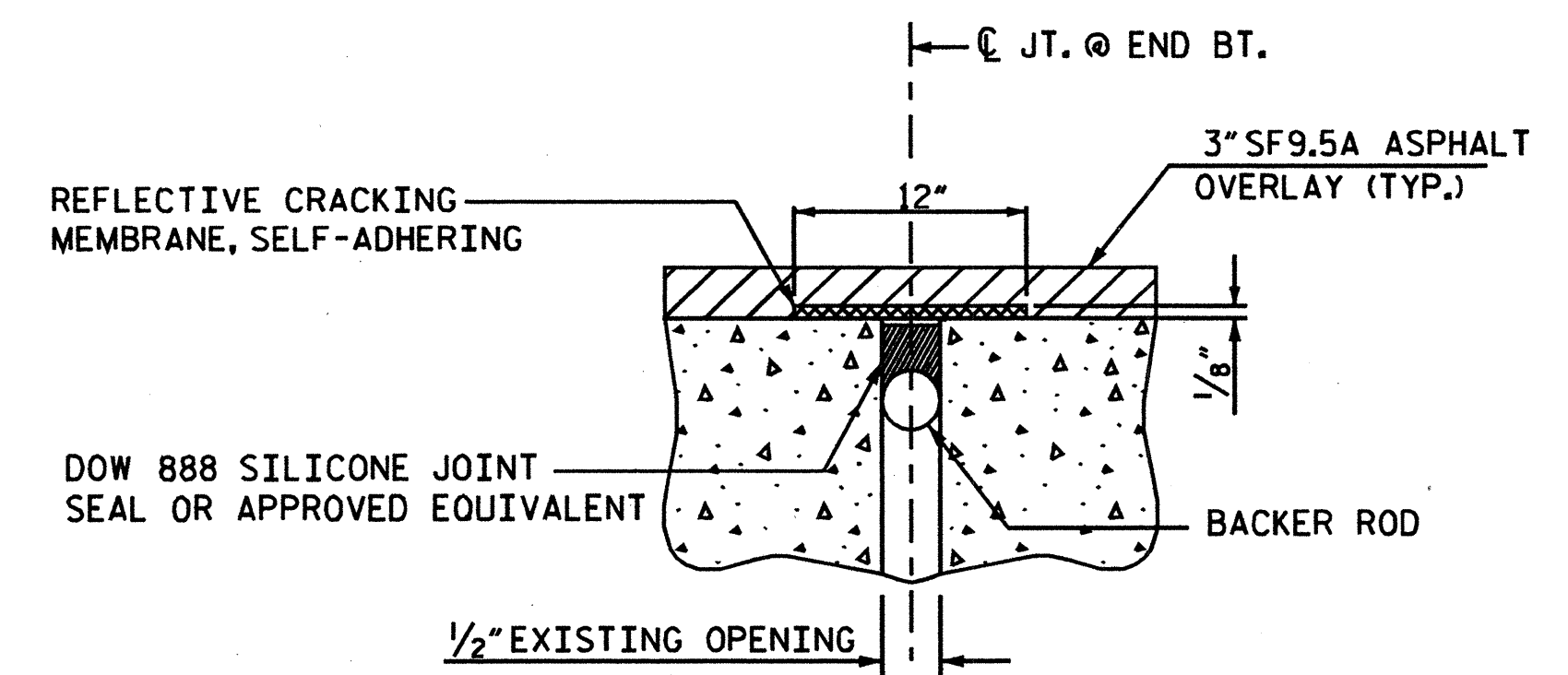
DRAWN BY : LMW DATE : 10/09
 CHECKED BY : EBN DATE : 10/09



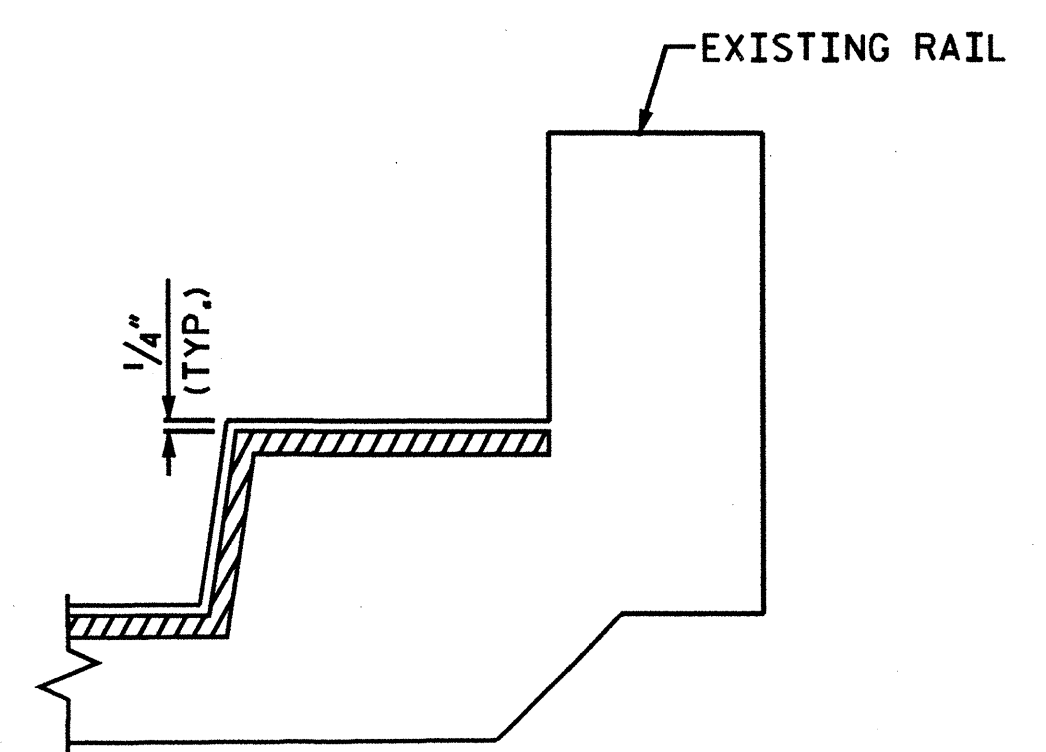
EVAZOTE JOINT SEAL
PRE-SAWED ELASTOMERIC
CONCRETE DIMENSIONS



**PROP. JOINT AT
EB 1 & BENTS**
EVAZOTE JOINT
SEAL EXPANSION



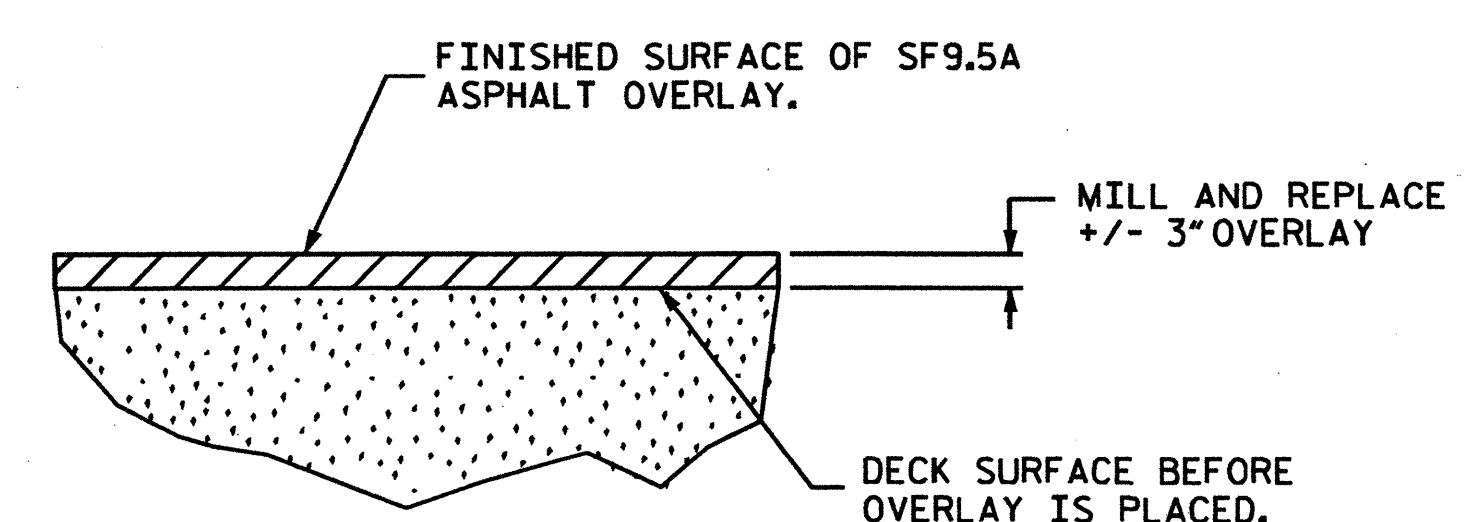
**PROP. JOINT AT
END BENT 2**
REMOVE EXISTING SEAL AND
GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL
BACKER ROD, NEW JOINT SEAL, AND MEMBRANE.



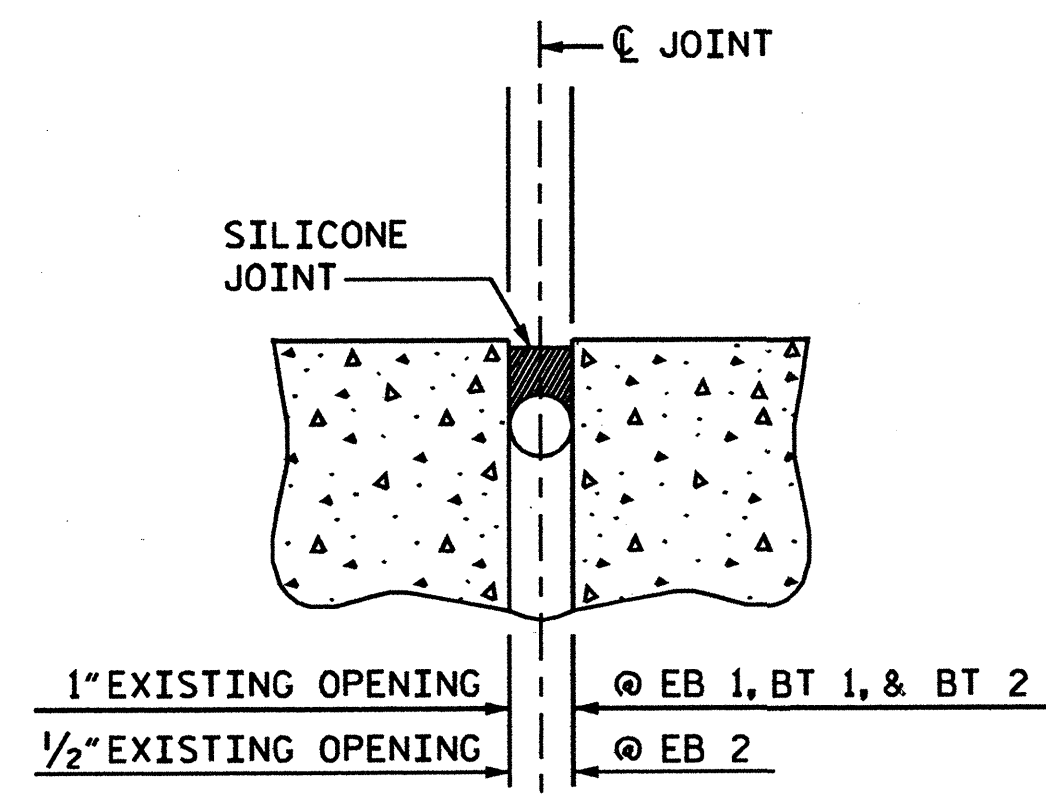
**JOINT DETAIL
AT RAIL**

ELASTOMERIC CONCRETE	
END BENT #1	14.7 (CU. FT.)
BENT #1	14.4 (CU. FT.)
BENT #2	14.7 (CU. FT.)
* TOTAL	43.8 (CU. FT.)
* BASED ON THE MINIMUM BLOCKOUT SHOWN.	

JOINT DETAILS



**DETAIL FOR
ASPHALT OVERLAY**



**EXISTING SILICONE
JOINT DETAIL**

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 254

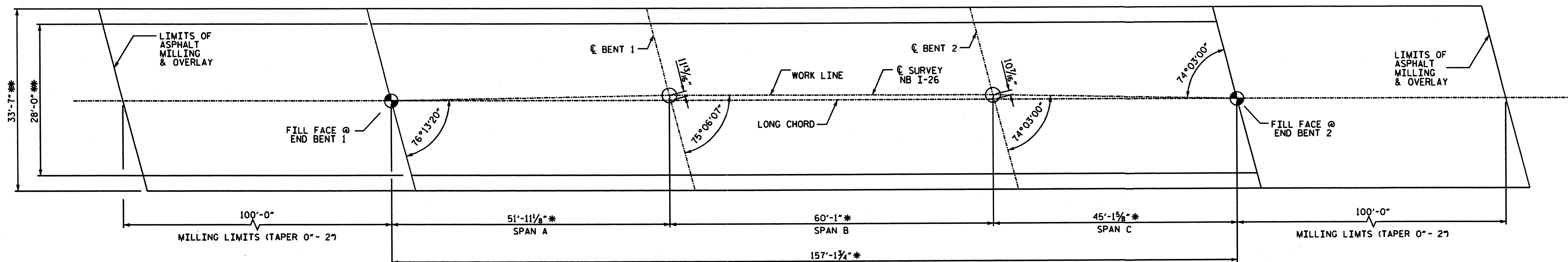
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK REPAIR DETAILS
FOR BRIDGE #254

40'-0" CLEAR ROADWAY

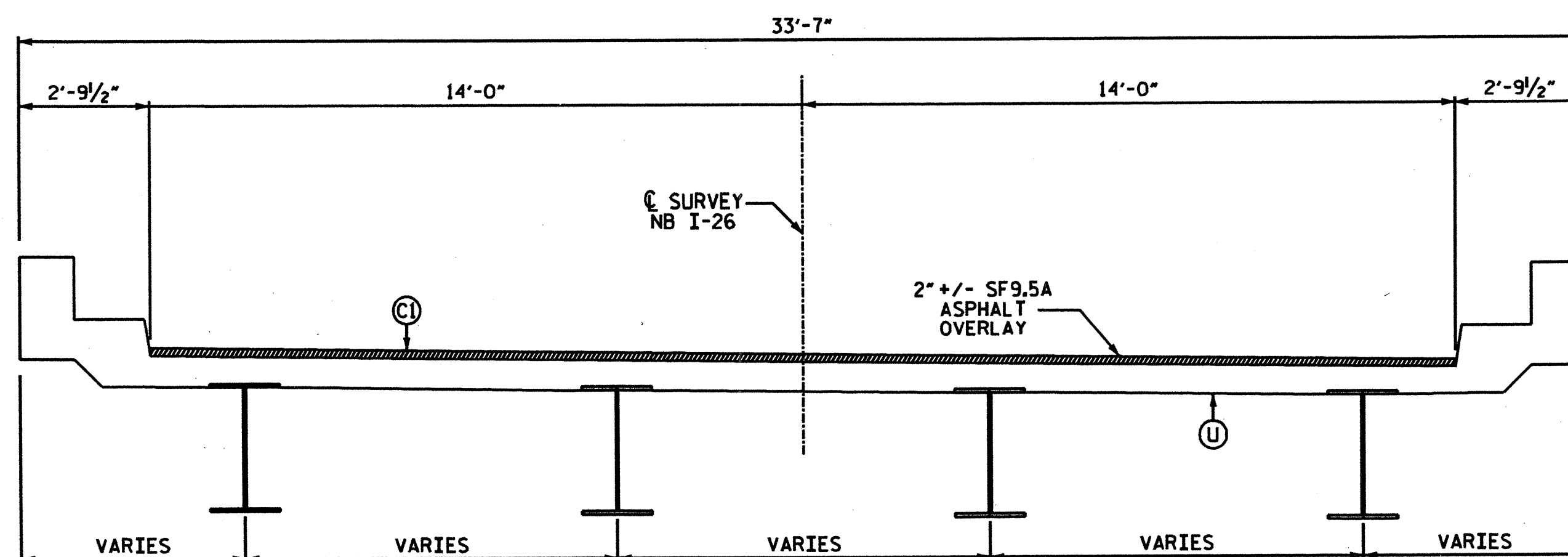
REVISIONS						SHEET NO. S-47
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09



PLAN VIEW

* MEASURED ALONG ARC
** MEASURED RADIAL



TYPICAL SECTION

NOTES

FOR REPAIR OF BRIDGE WITH SF9.5A ASPHALT OVERLAY, SEE SPECIAL PROVISIONS.
SEE SPECIAL PROVISIONS FOR CLASS II DECK REPAIRS. THE QUANTITY FOR CLASS II DECK REPAIR IS APPROXIMATE.
FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.
THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT BENTS 1 & 2 AND END BENT 2.

TOTAL BILL OF MATERIAL			
SF9.5A ASPHALT OVERLAY	EVAZOTE JOINT SEALS	CLASS II DECK REPAIRS	CLASS IB SURFACE PREPARATION
TONS	LUMP SUM	SO.FT.	SO.YD.
70	LUMP SUM	220	1,235

Ⓒ	PROPOSED APPROXIMATE 2" MIN. ASPHALT CONCRETE SURFACE COURSE, TYPE SF 9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF THE TWO LAYERS.
Ⓔ	BRIDGE DECK.

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 273

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK REPAIR DETAILS
FOR BRIDGE #273

28'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-48
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

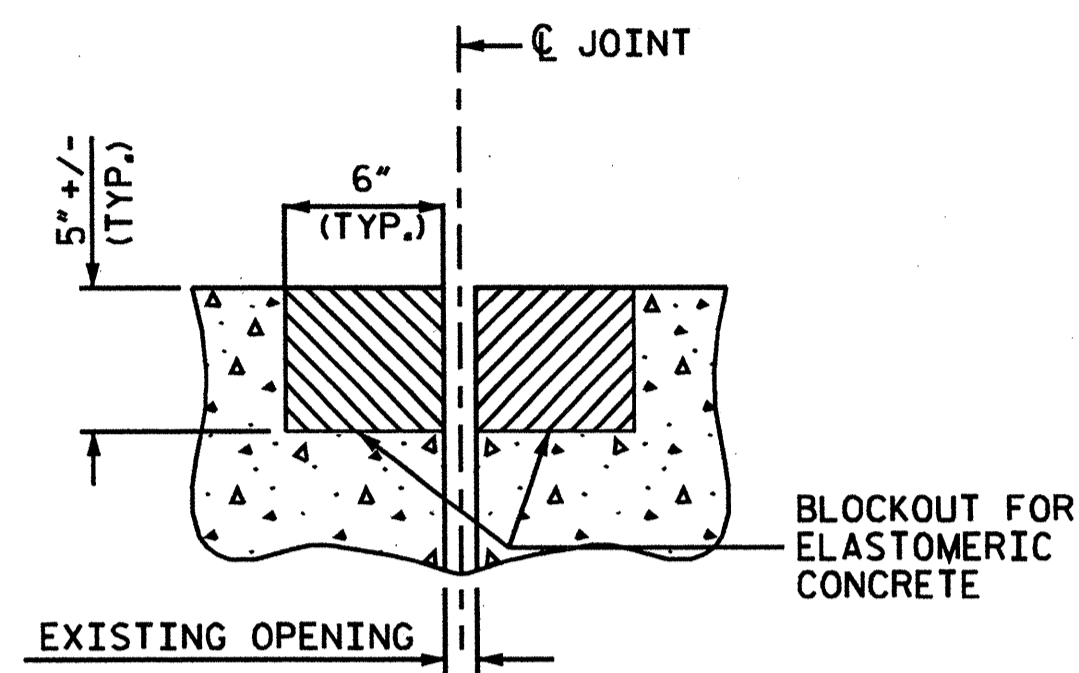
DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09

NOTE: NOT TO SCALE

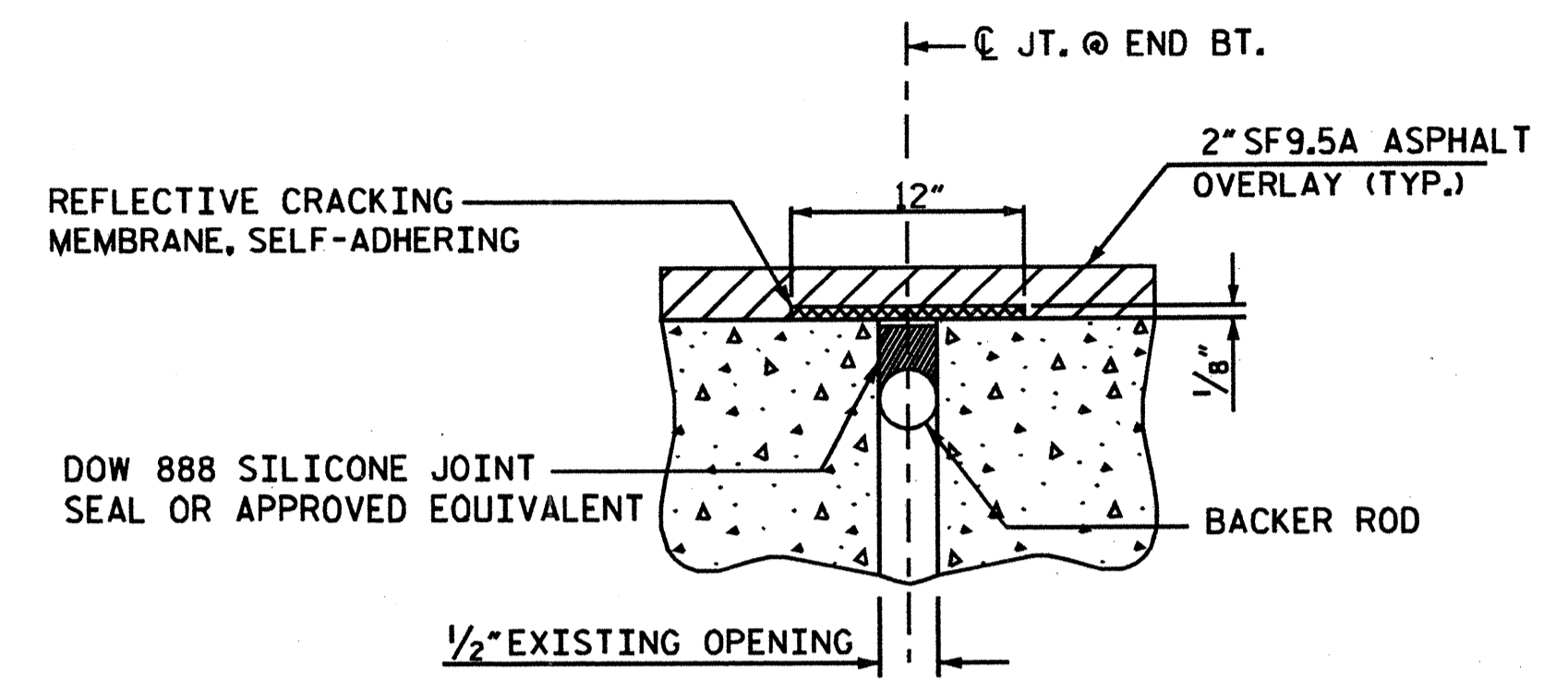
*****SYTIME*****

*****USERNAME*****

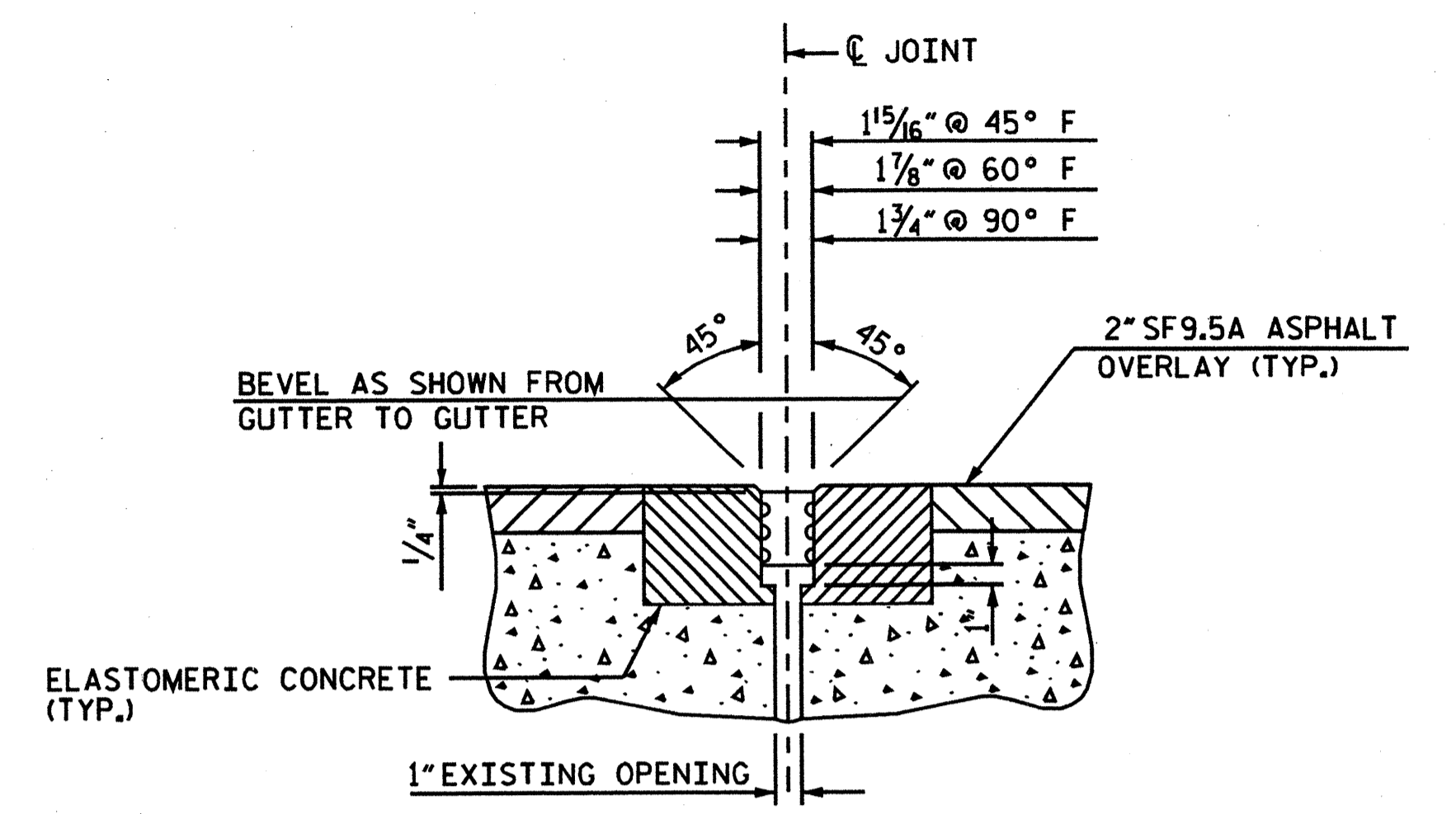
*****DGN*****



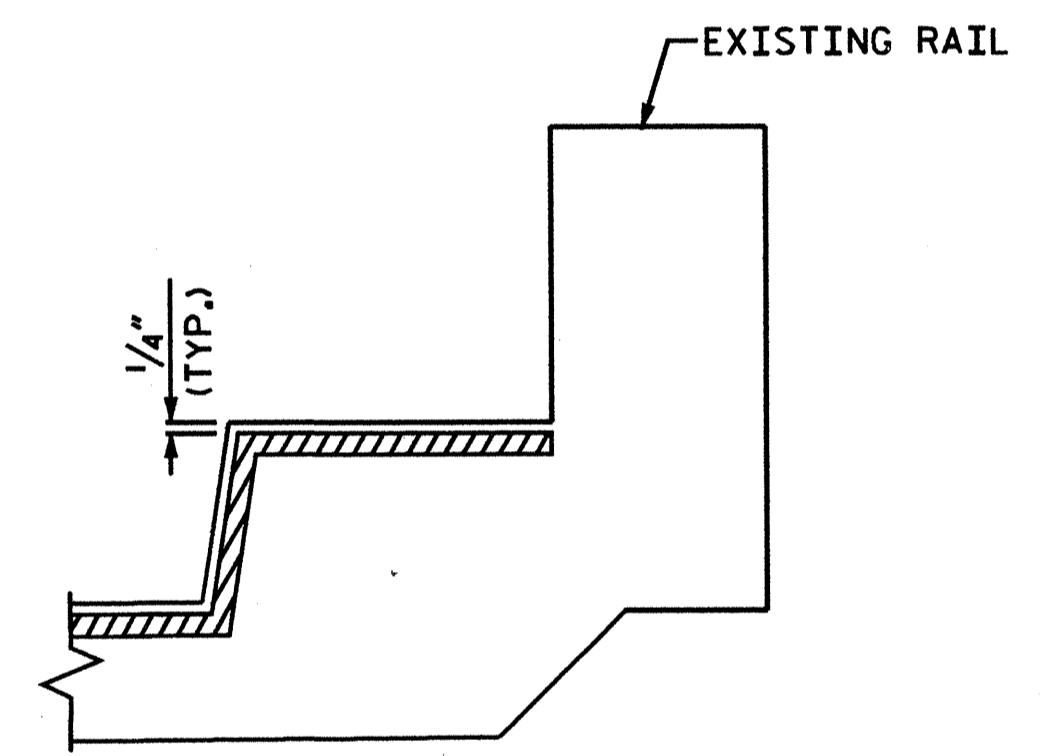
EVAZOTE JOINT SEAL
PRE-SAWED ELASTOMERIC CONCRETE DIMENSIONS



PROP. JOINT AT END BENT 1
REMOVE EXISTING SEAL AND GRITBLAST TO REMOVE JOINT RESIDUE. INSTALL BACKER ROD, NEW JOINT SEAL, AND MEMBRANE.



PROP. JOINT AT BENTS & EB 2
EVAZOTE JOINT SEAL EXPANSION

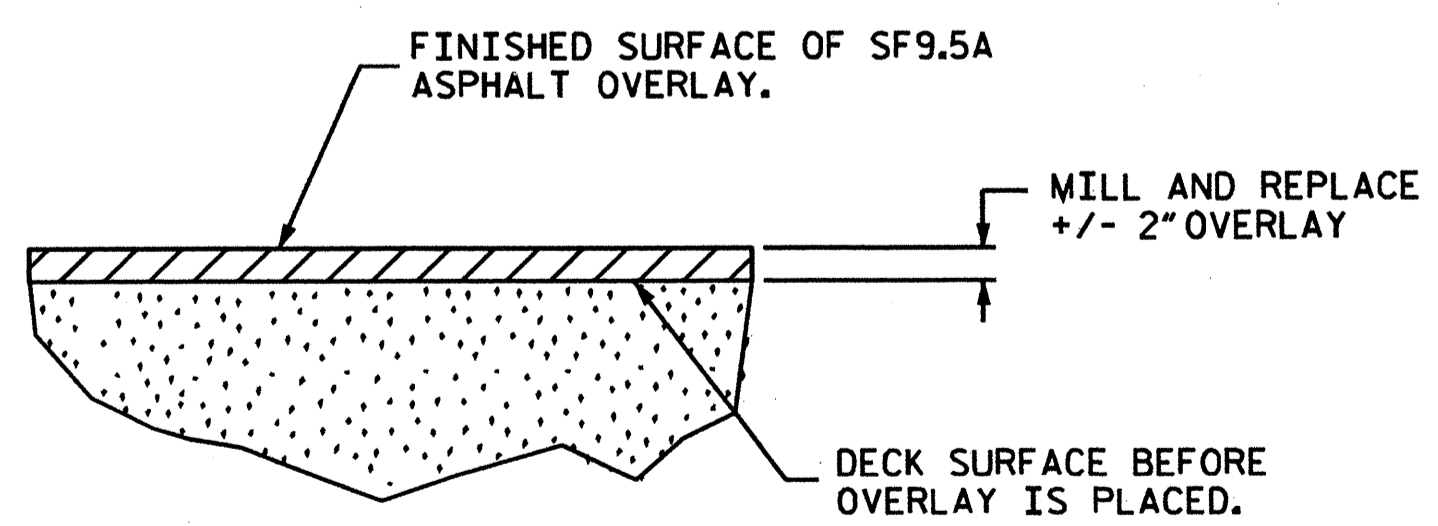


JOINT DETAIL AT RAIL

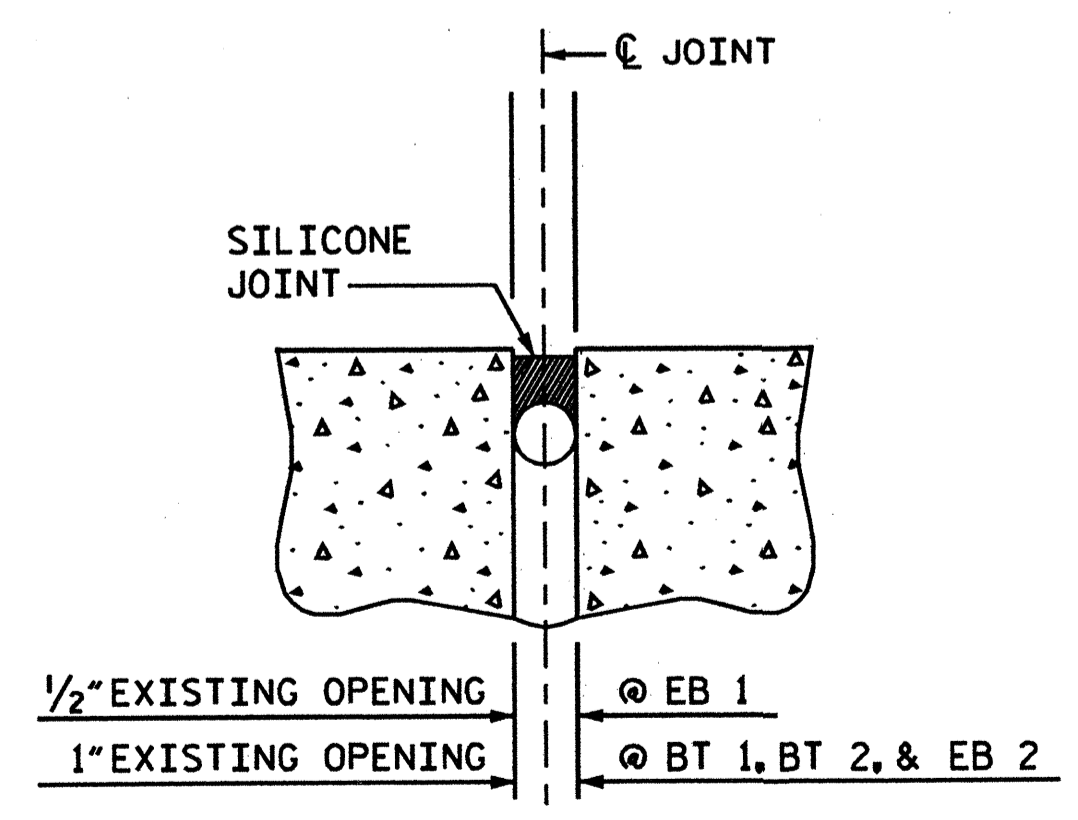
ELASTOMERIC CONCRETE	
BENT #1	12.0 (CU. FT.)
BENT #2	12.1 (CU. FT.)
END BENT #2	12.2 (CU. FT.)
* TOTAL	36.3 (CU. FT.)

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

JOINT DETAILS



DETAIL FOR ASPHALT OVERLAY



EXISTING SILICONE JOINT DETAIL

PROJECT NO. B-5179C
COUNTY: BUNCOMBE
DECK REHAB BRIDGE NO. 273

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
DECK REPAIR DETAILS
FOR BRIDGE #273
28'-0" CLEAR ROADWAY

REVISIONS						SHEET NO. S-49
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS 49
2			4			

DRAWN BY : LMW DATE : 10/09
CHECKED BY : EBN DATE : 10/09