

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

ALL-75-22.12 VILLAGE OF BLUFFTON RICHLAND TOWNSHIP ALLEN COUNTY

ALLEN COUNTY ALL-75-22.12	OHIO FHWA REGION 5	1 137
IM-75-5(58)		
		FEDERAL PROJECT

LIMITED ACCESS

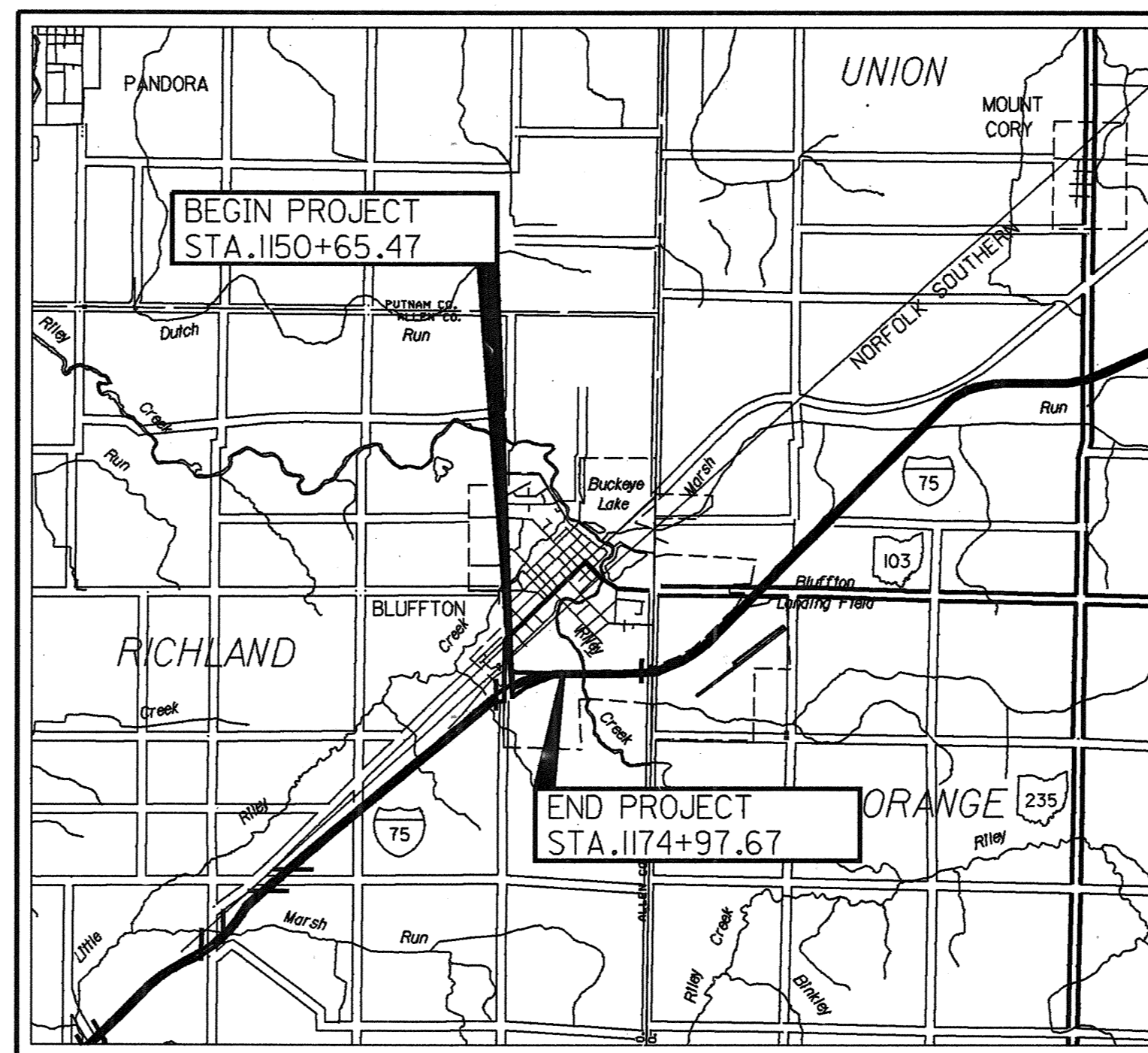
This Improvement is Especially Designed for Through Traffic and Has Been Declared a Limited Access Highway or Freeway by Action of the Director in Accordance With the Provisions of Section 5511.02 of the Revised Code of Ohio.

1991 SPECIFICATIONS

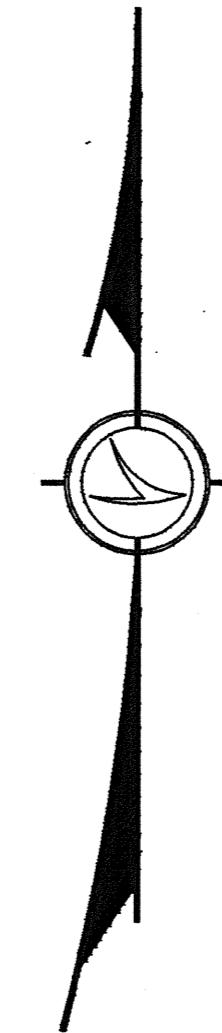
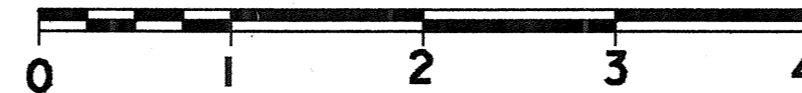
The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth in the plans and estimates.

SPECIAL PROVISIONS	DATE
REINFORCED EARTH WALLS (DESIGN 1)	2-5-93
RETAINED EARTH WALLS (DESIGN 2)	2-5-93
DOUBLEWALL (DESIGN 3)	2-5-93
REINFORCED SOIL EMBANKMENTS BY HILFIKER (DESIGN 4)	2-5-93
T-WALL (DESIGN 5)	2-5-93
GENESIS HIGHWAY WALL SYSTEM (DESIGN 6)	2-5-93



LOCATION MAP
SCALE IN MILES



CONVENTIONAL SIGNS

County Line Township Line Section Line Corporation Line or Fence Line (existing) (proposed) Center Line Trees , Stumps (to be removed) Utility Poles: Telephone , Power , Light	Limited Access (only) Right of Way (only) Limited Access & Right of Way Existing Right of Way Property Line (in existing fence) Railroad or Guardrail (existing) (proposed)
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UNDERGROUND UTILITIES

TWO WORKING DAYS

BEFORE YOU DIG

Call... 800-362-2764 (Toll free)

OHIO UTILITIES PROTECTION SERVICE

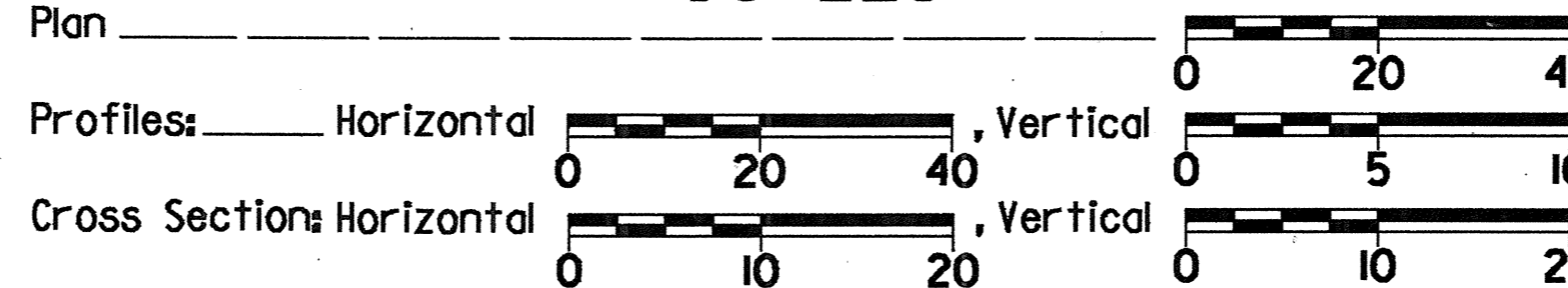
NON-MEMBERS
MUST BE CALLED DIRECTLY

Portion to be improved

State & Federal Routes

Other Roads

SCALES



SUPPLEMENTAL SPECIFICATIONS	
802	4-13-90
852	6-10-87
931	3-18-92
944	3-18-92
940	6-10-87
942	3-18-92

LINE DATA

Begin Project = Sta. 1150+65.47
 Station Equation ~ Sta. 1174+75(Bk.) = Sta. 1174+92.67(Ahd.)
 End Project = Sta. 1174+97.67
 Net Length of Project = 2414.53 Lin. Ft. or 0.457 Mile

Begin Work = Sta. 1150+65.47
 Station Equation ~ Sta. 1174+75(Bk.) = Sta. 1174+92.67(Ahd.)
 End Work = Sta. 1212+88.00
 Net Length of Work = 6204.86 Lin. Ft. or 1.175 Mile

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS											
BP-3.1	2-21-92	GR-1.2	10-30-92	MC-1	6-13-69	TC-41.10	8-29-84	TC-81.10	1-20-84		
BP-5.1	2-21-92	GR-1.3	2-21-92	MC-4	7-26-76	TC-41.20	3-26-79	TC-81.20	1-20-84		
BR-1	5-29-79	GR-2.1	5-6-91	MC-7	10-15-76	TC-41.40	6-18-79	TC-83.10	3-18-92		
CB-458A	5-1-79	GR-3.1	5-6-91	TC-9.10	4-24-80	TC-41.50	3-26-79	TC-83.20	1-20-84		
CB-3A	5-1-79	GR-4.1	5-6-91	MC-9.2	5-6-91	TC-42.10	8-19-77	TC-84.20	1-20-84		
PCB-DD	4-24-92	GR-4.2	5-6-91	MC-9.3	10-30-92	TC-42.20	3-26-79	TC-85.20	1-20-84		
EXJ-4-87	1-5-89	GR-4.3	2-21-92	SD-1-69	6-12-69	TC-51.10	1-20-84	MT-105.10	7-01-92		
MC-11	8-1-78	GR-4.4	2-21-92	MT-95.30	10-10-88	TC-51.11	1-20-84	MT-105.11	7-01-92		
PCB-91	4-24-92	HW-4B	4-1-80	MT-96.11	9-9-88	TC-52.10	4-3-79	HW-4A	4-01-80		
GR-5.2	10-30-92	HL-10.12	5-1-87	MT-96.20	9-9-88	TC-52.20	4-3-79	HW-1	6-01-65		
GR-5.3	10-30-92	HL-30.31	5-1-87	MT-96.25	9-9-88	TC-61.10	4-5-82	MH-1	12-18-84		
GR-8	10-25-90	HL-30.21	5-1-87	TC-17.10	1-20-84	TC-65.10	2-1-90	MH-3	12-18-84		
GR-1.1	5-6-91	HL-30.11	5-1-87	TC-21.20	9-1-92	TC-65.11	2-1-90	MH-5	6-12-75		

Plan Prepared By:
**DISTRICT NO. 1
 OHIO DEPARTMENT OF
 TRANSPORTATION**

SEAL

Project: ALL-75-22.12
 Date of Letting: 19 Contract No.

DISTRICT CERTIFIED PLAN

Approved Date 1/27/93 District Deputy Director of Transportation

Approved Date 2-1-93 Engineer, Bureau of Bridges and Structural Design

Approved Date 2/5/93 Deputy Director, Design

Approved Date 2-5-93 Director, Department of Transportation

REVISED 2-18-93

**DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION**

APPROVED _____

DIVISION ADMINISTRATOR _____ DATE _____

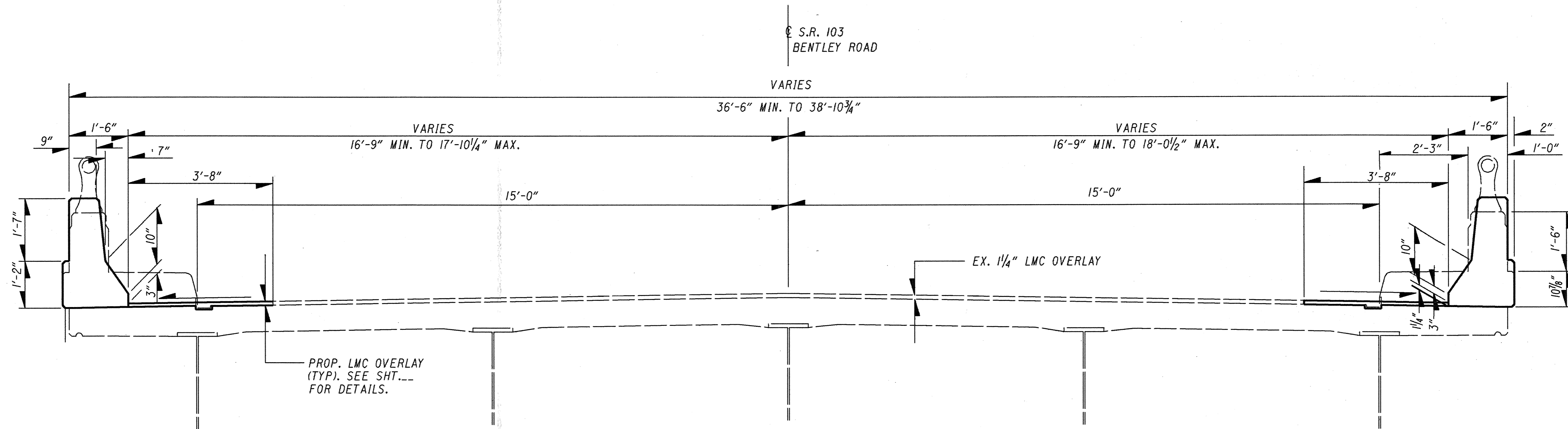
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 DATE : 26-JAN-1993
 TIME : 10:22

CALC BY
DATE
CHKD BY
DATE

ALLEN COUNTY
ALL-75-22.12

OHIO
FHWA
REGION 5

124
137

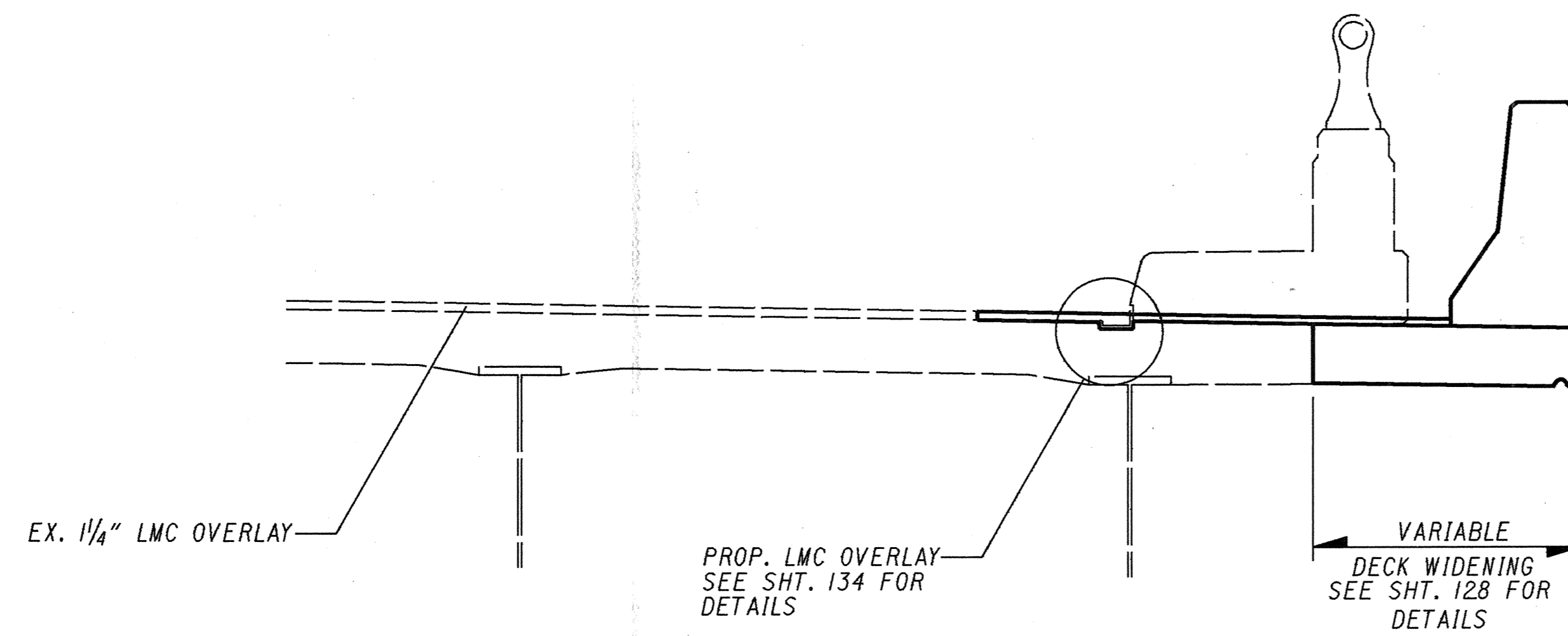


TRANSVERSE SECTION

FOR REMOVAL AND RECONSTRUCTION
DETAILS, SEE SHTS. 134.

FOR DECK WIDENING DETAILS
SEE SHT. 128.

FOR STRUCTURE DATA
SEE SHT. 102.

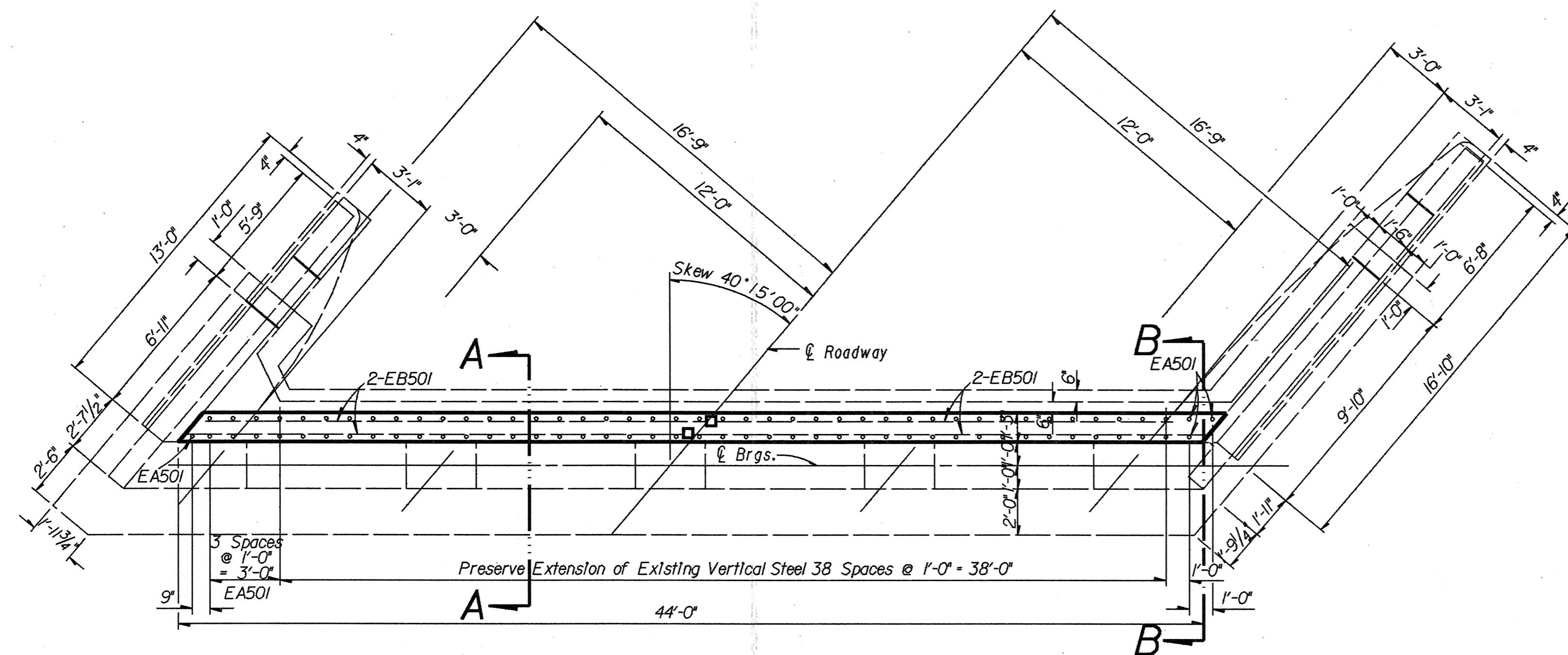


SECTION AT WIDENING

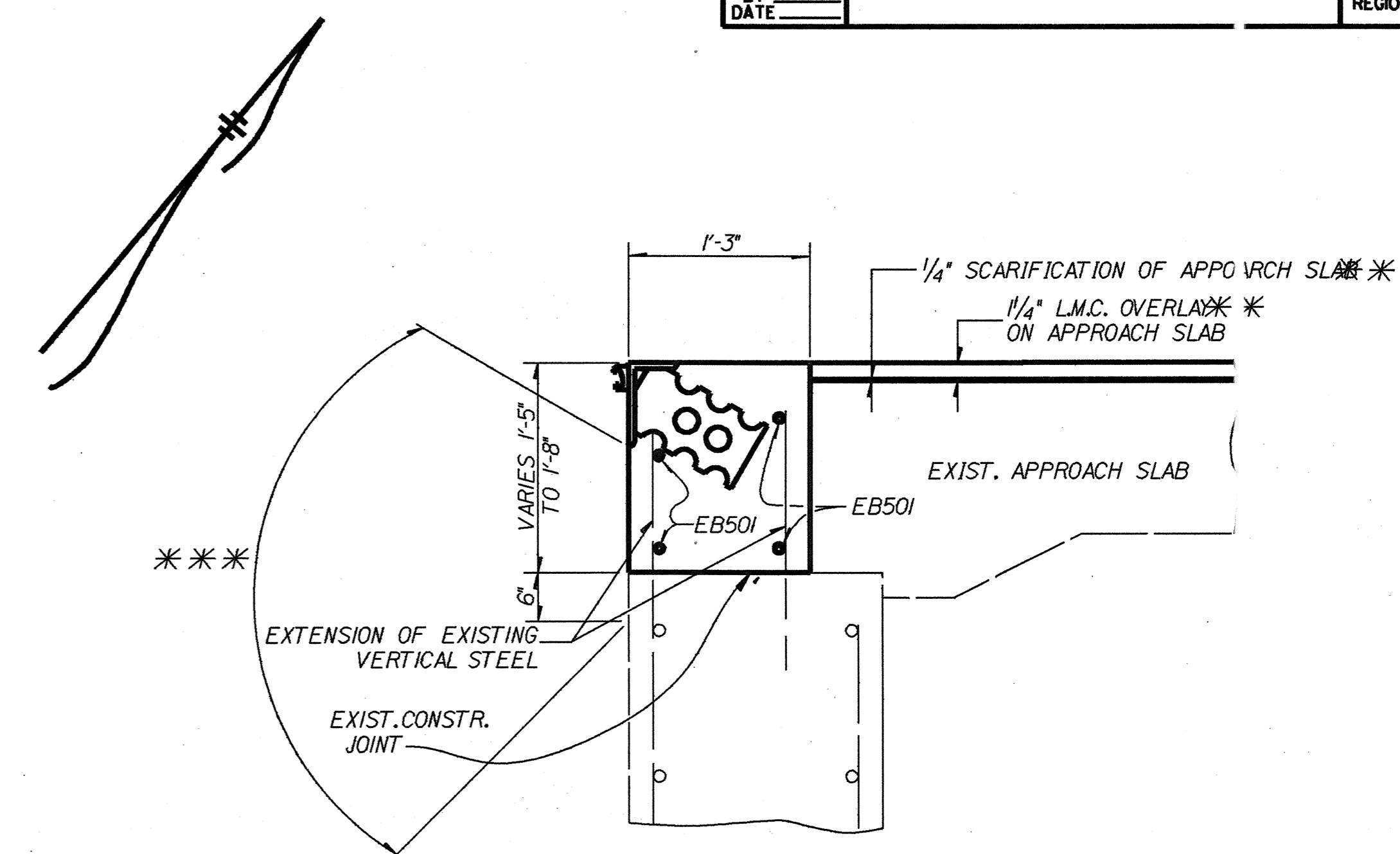
STATE OF OHIO						2 / 15
DEPARTMENT OF TRANSPORTATION						
DISTRICT ONE PLANNING AND DESIGN OFFICE						
TRANSVERSE SECTION						
BR. NO. A.L-103-0030						
S.R. 03 over						
NORFOLK SOUTHERN RAILROAD						
SFN 0203572						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RLS	RLS	RLS	JC	AMK	1/28/97	

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DATE : 27-JAN-1993
TIME : 11:35

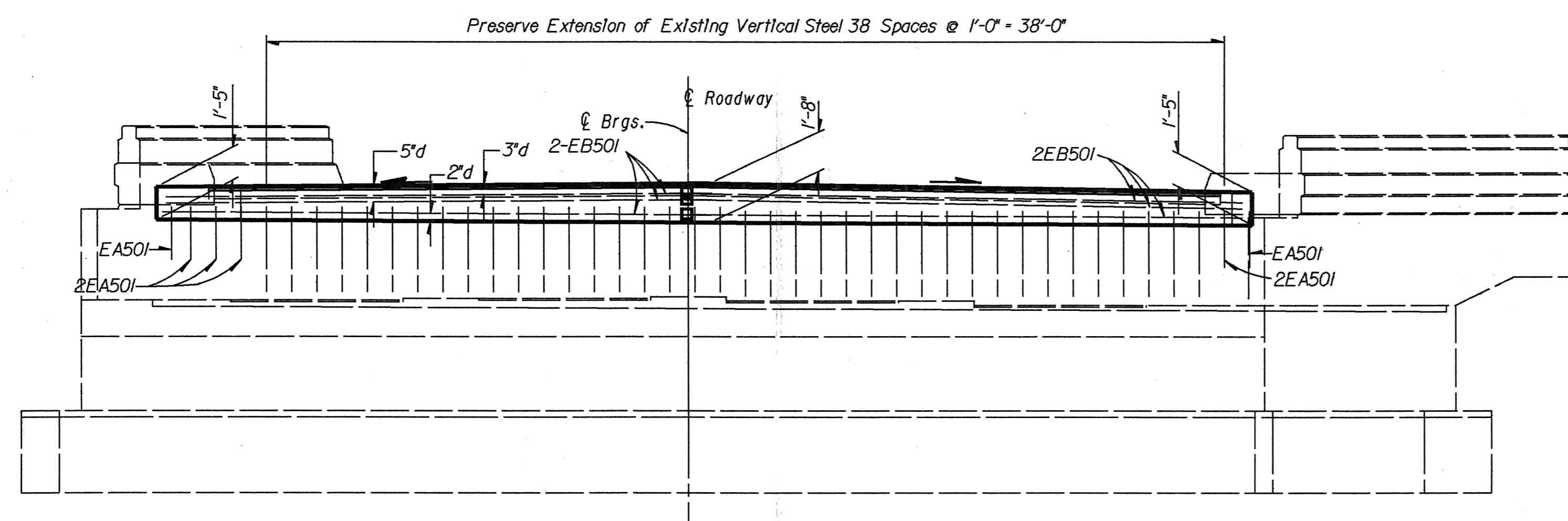


PLAN SHOWING ABUTMENT REHABILITATION

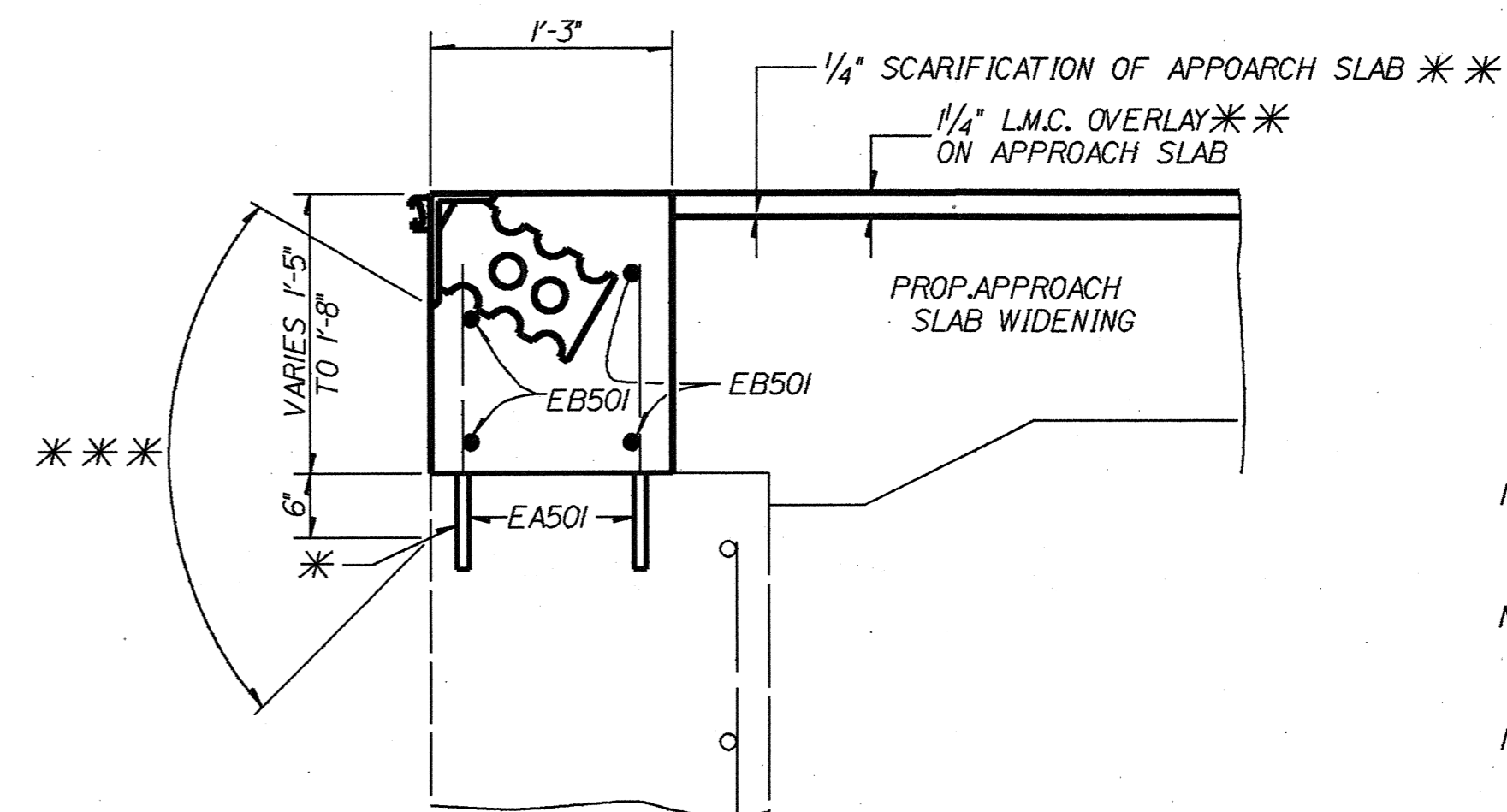


PROPOSED SECTION A-A

* GROUT PROPOSED REINFORCING BARS INTO HOLES DRILLED INTO EXISTING CONCRETE IN ACCORDANCE WITH SS852 & SPEC. 705.10. HOLES SHALL 12" DEEP.
 ** INCLUDED WITH ROADWAY QUANTITIES.
 *** CONCRETE SURFACE TO BE EPOXY SEALED.



ELEVATION SHOWING ABUTMENT REHABILITATION



PROPOSED SECTION B-B

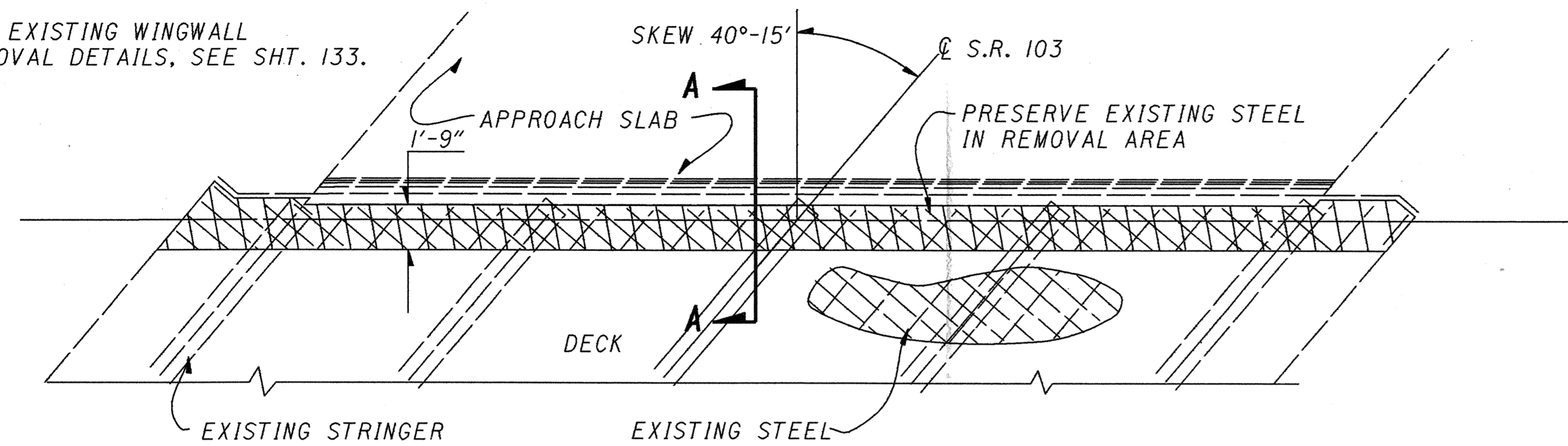
NOTE: For Strip Seal Details, See Sheet 127
 NOTE: For Wingwall Upgrading Details, See Sheet 136
 NOTE: For Carpet Details, See Sheet 132
 NOTE: Preserve extensions of all existing vertical steel.

LEGEND
 □ - Mechanical Connectors, at C of Roadway, Included with Item 509, Epoxy Coated Reinforcing Steel
 N.F. - Near Face
 F.F. - Far Face

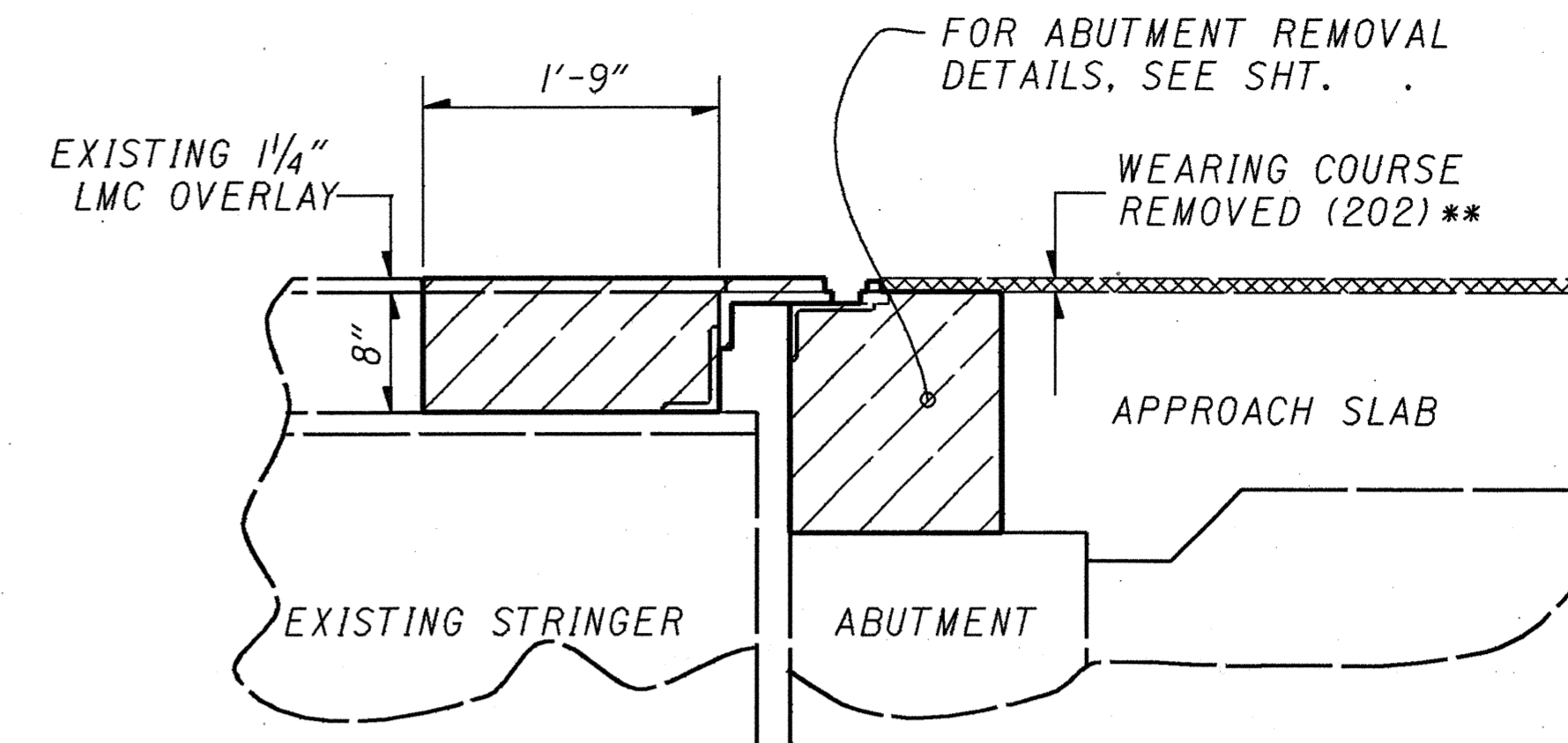
STATE OF OHIO		4 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN OFFICE			
ABUTMENT REHABILITATION			
DETAILS			
BR. No. ALL-103-00.10 S.R.103 over			
NORFOLK SOUTHERN RAILROAD			
NORTH ABUTMENT			
SFN 0203572			
DESIGNED	DRAWN	TRACED	CHECKED
RLS	RLS	RLS	RC
DATE	DATE	DATE	DATE
	1/28/93		

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 DATE : 27-JAN-1993
 TIME : 11:43

FOR EXISTING WINGWALL REMOVAL DETAILS, SEE SHT. 133.



EXISTING SUPERSTRUCTURE REMOVAL PLAN @ NORTH ABUTMENT

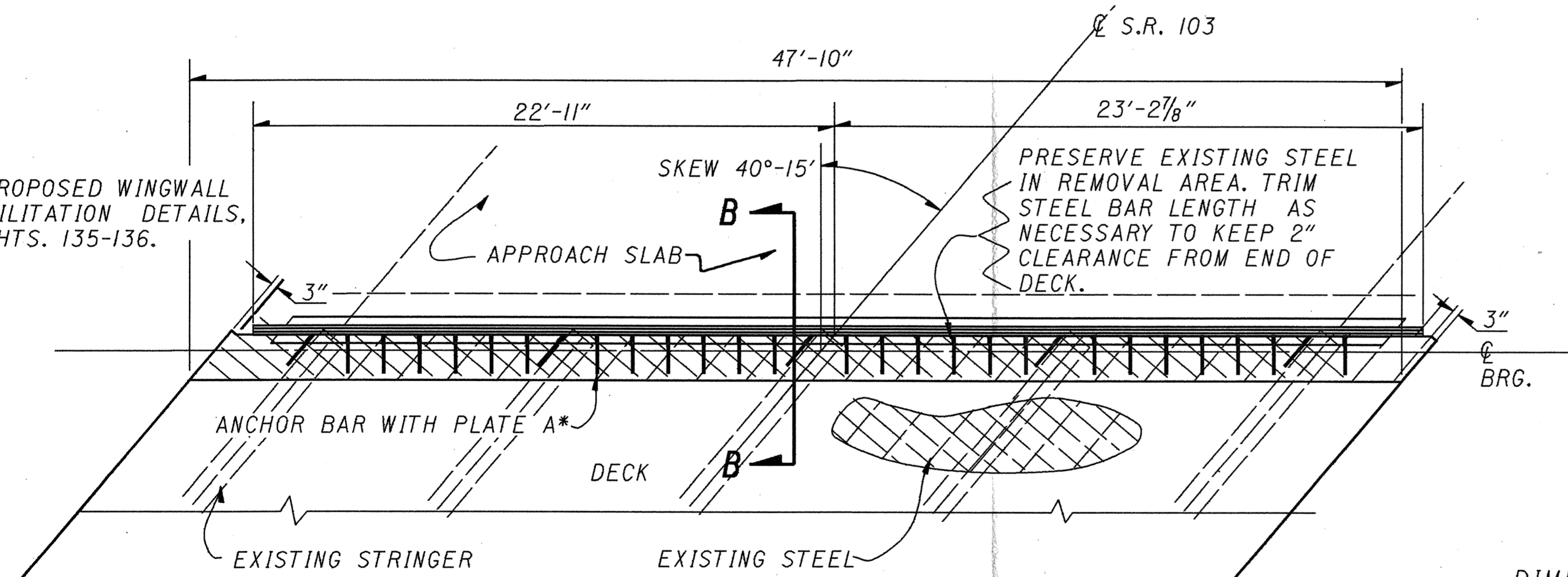


EXISTING SECTION A-A

TO BE REMOVED UNDER ITEM 202 PORTIONS OF A STRUCTURE REMOVED

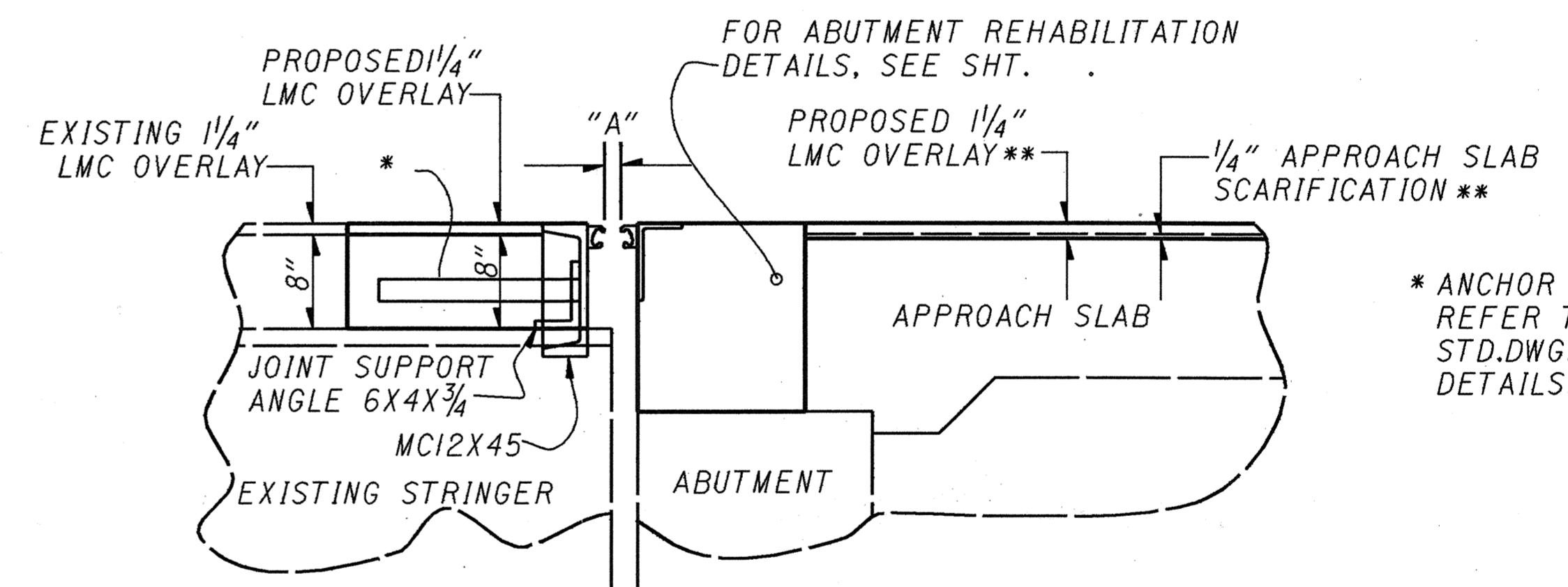
** INCLUDED WITH ROADWAY QUANTITIES

FOR PROPOSED WINGWALL REHABILITATION DETAILS, SEE SHTS. 135-136.



PROPOSED SUPERSTRUCTURE RECONSTRUCTION PLAN @ NORTH ABUTMENT

** - REFER TO STD.DWG EXJ-4-87



PROPOSED SECTION B-B

* ANCHOR BARS (TY?). FOR SPACING REFER TO SHT. . . ALSO REFER TO STD.DWG. EXJ-4-87 FOR ADDITIONAL DETAILS.

DIMENSION "A"

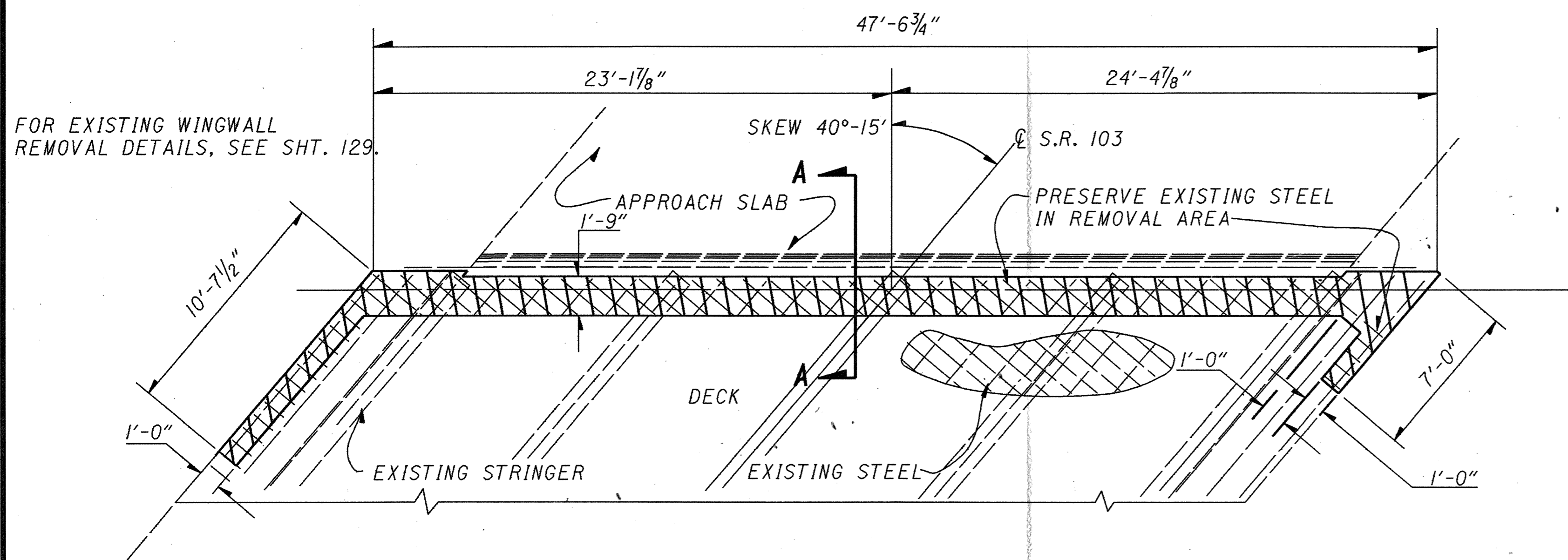
TEMPERATURE, F°	"A", INCHES
30	1.888
40	1.800
50	1.700
60	1.613
70	1.513
80	1.425
90	1.325

NOTE: FOR FURTHER DETAILS SEE STD. DWG. EXJ-4-87

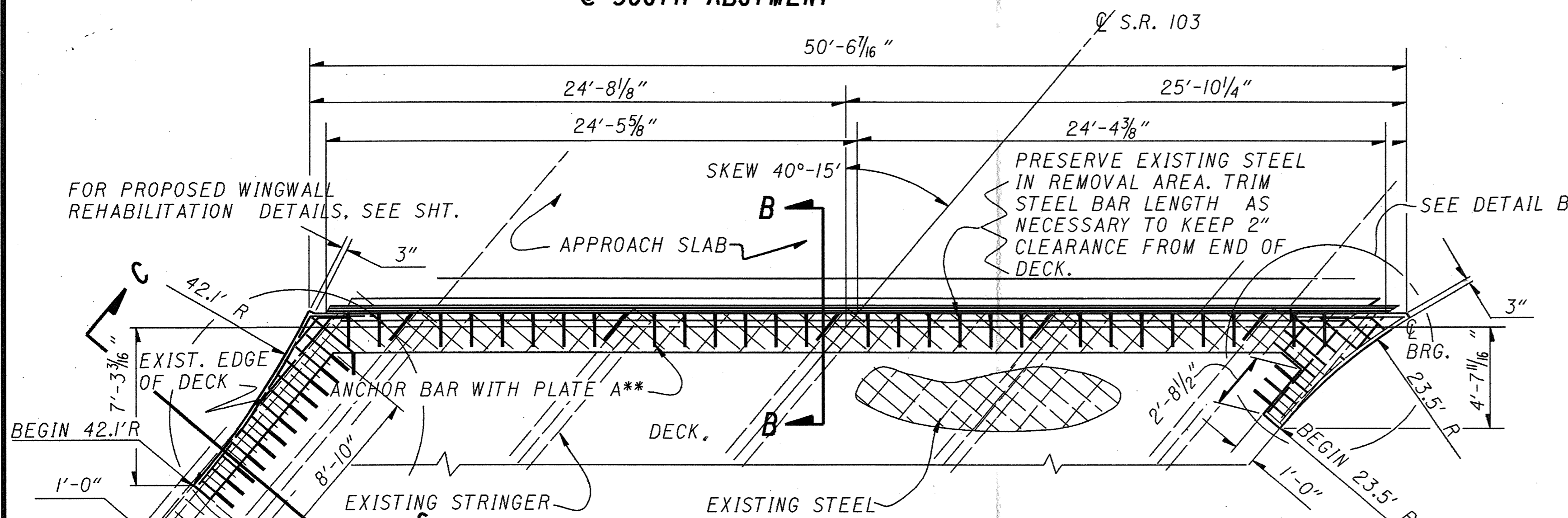
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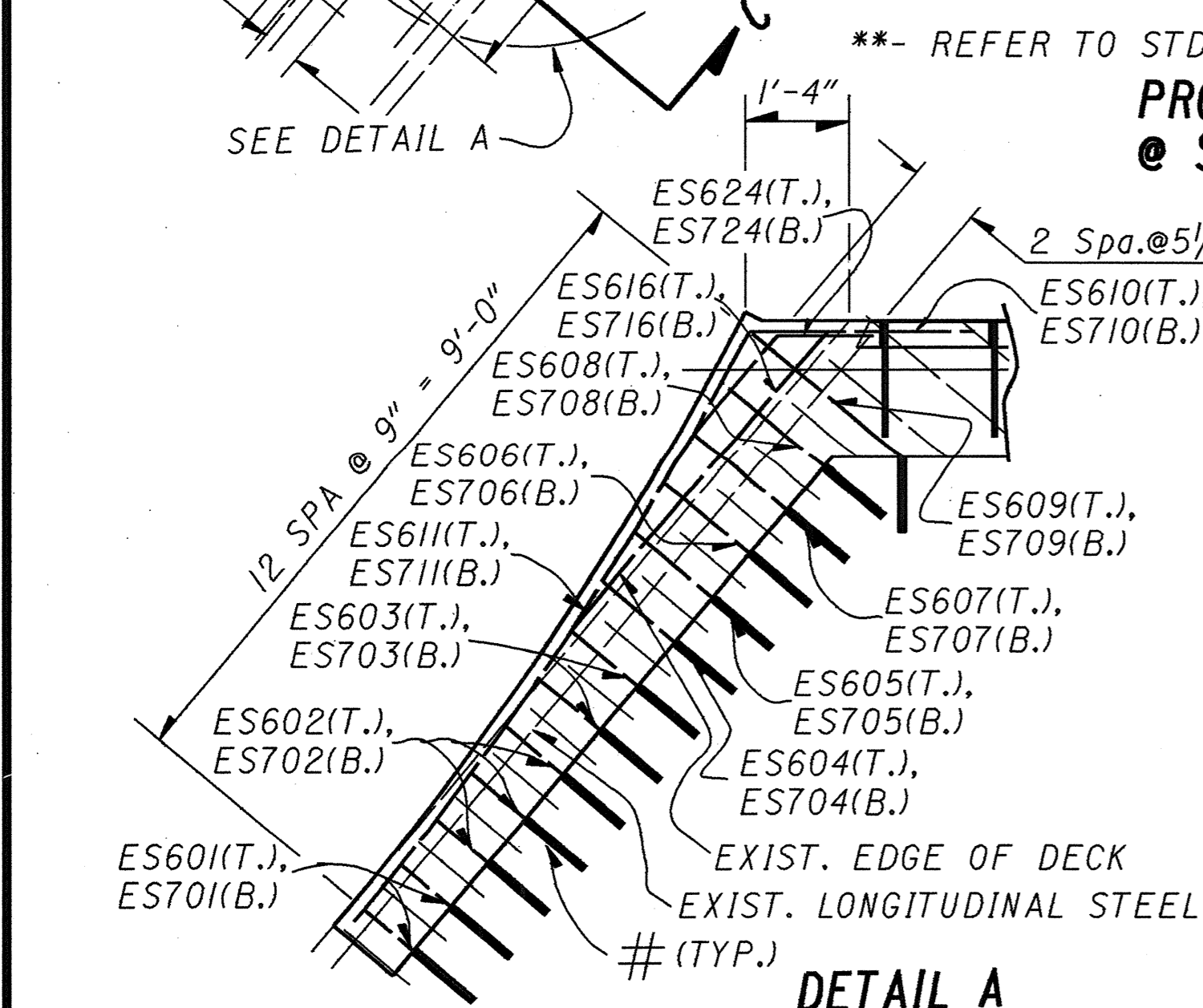
STATE OF OHIO		5 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN DEPARTMENT			
SUPERSTRUCTURE REHABILITATION DETAILS			
STR. NO ALL-103-0030 S.R. 103 OVER NORFOLK SOUTHERN RAILROAD NORTH ABUTMENT SFN 0203572			
DESIGNED	DRAWN	TRACED	CHECKED
RES	RES	RES	J.C.
REVIEWED	DATE	REVISED	
	1/28/93		



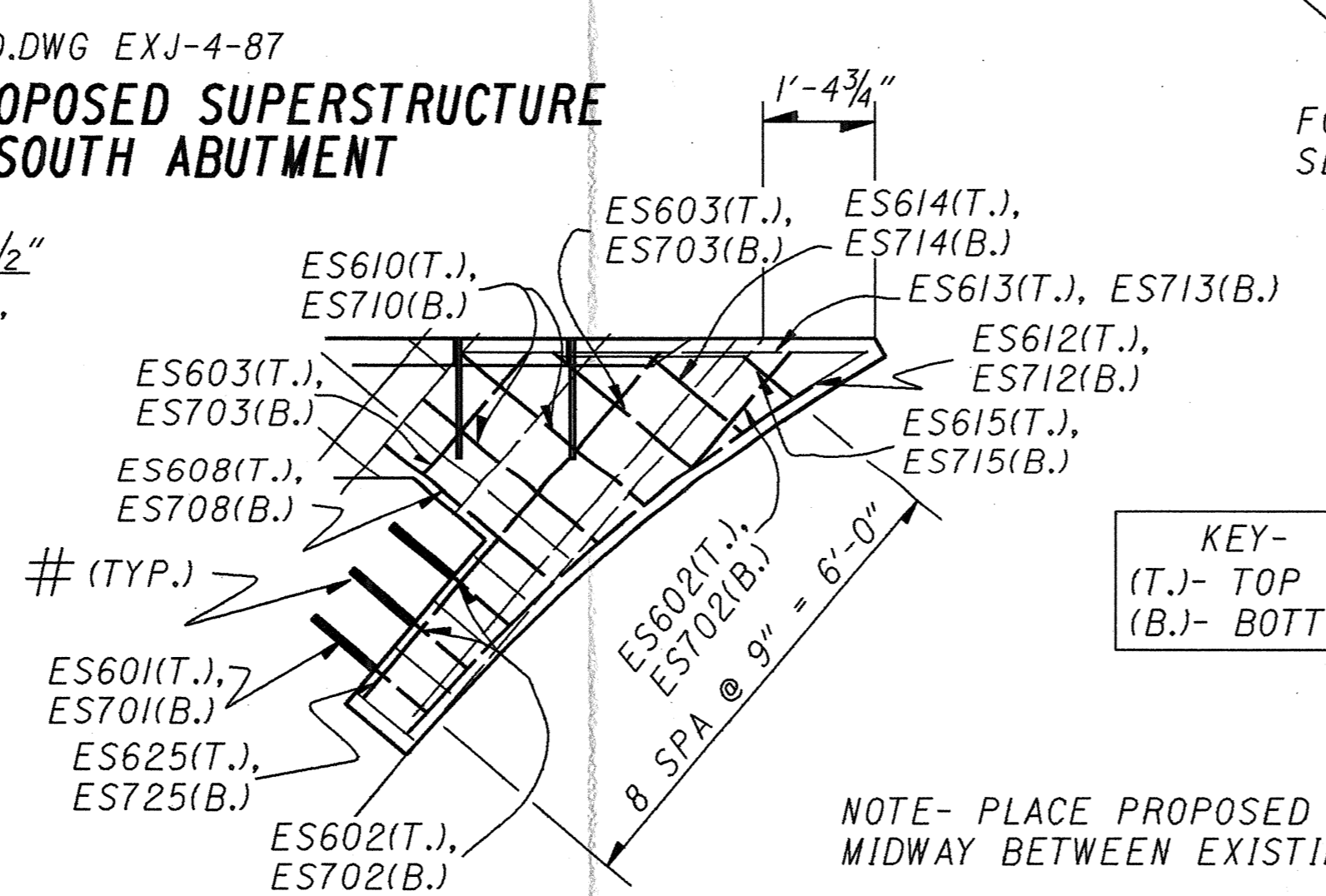
EXISTING SUPERSTRUCTURE @ SOUTH ABUTMENT



PROPOSED SUPERSTRUCTURE @ SOUTH ABUTMENT



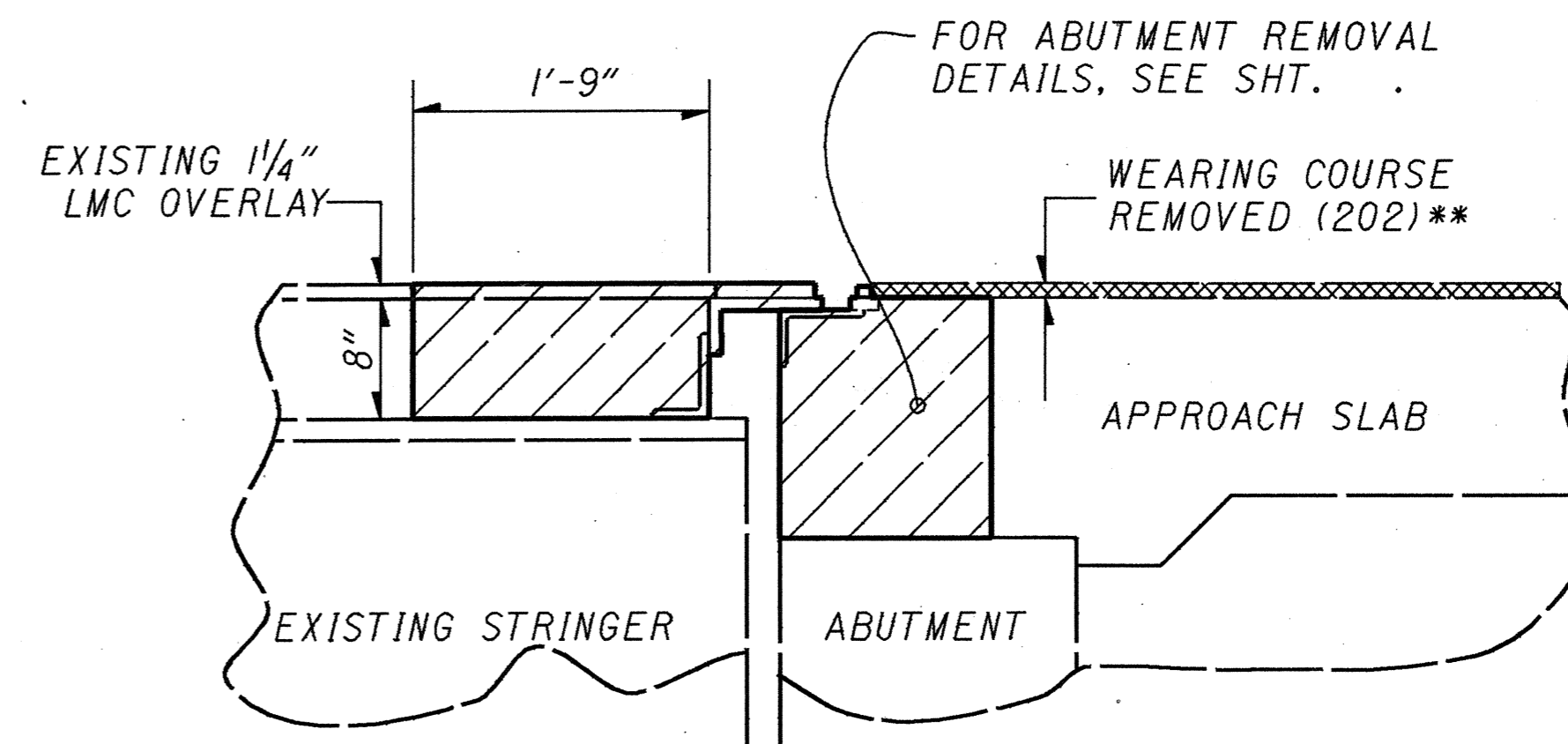
DETAIL A



DETAIL B

NOTE- PLACE PROPOSED REINFORCING BARS MIDWAY BETWEEN EXISTING TRANSVERSE BARS.

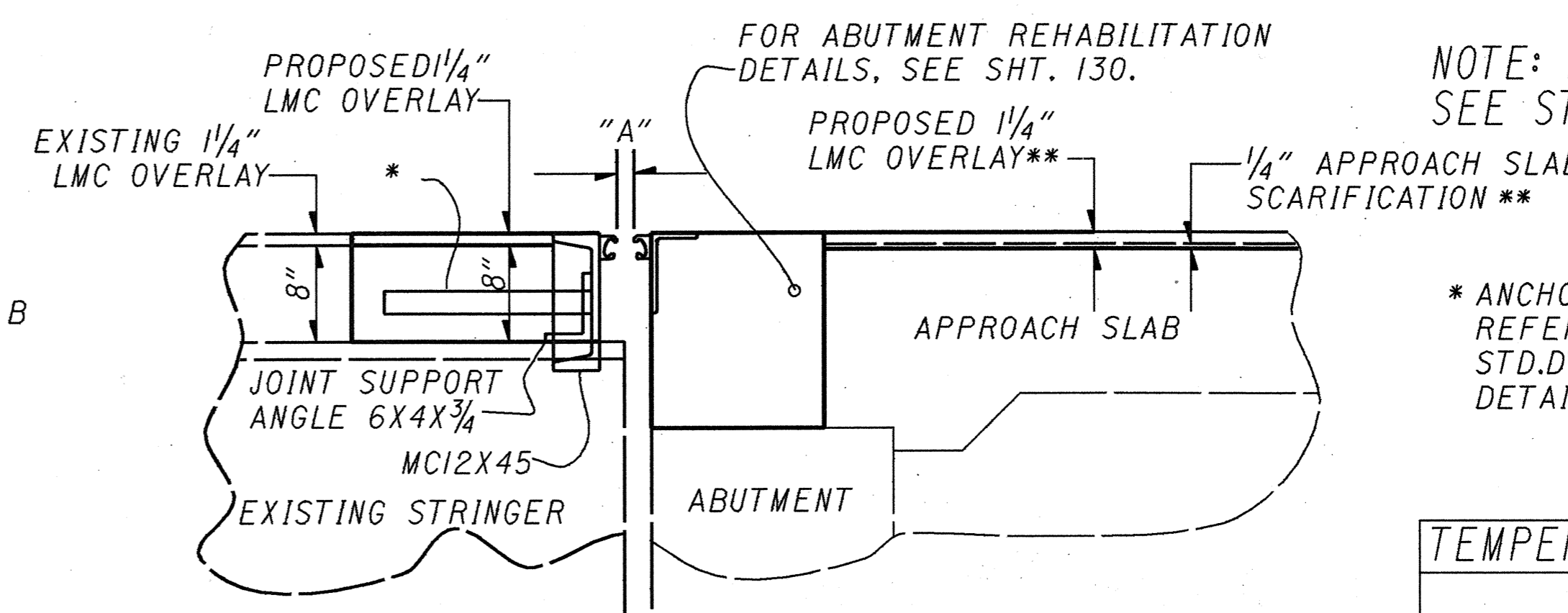
KEY- (T.)- TOP (B.)- BOTTOM



EXISTING SECTION A-A

TO BE REMOVED UNDER ITEM 202 PORTIONS OF A STRUCTURE REMOVED

** INCLUDED WITH FODWAY QUANTITIES



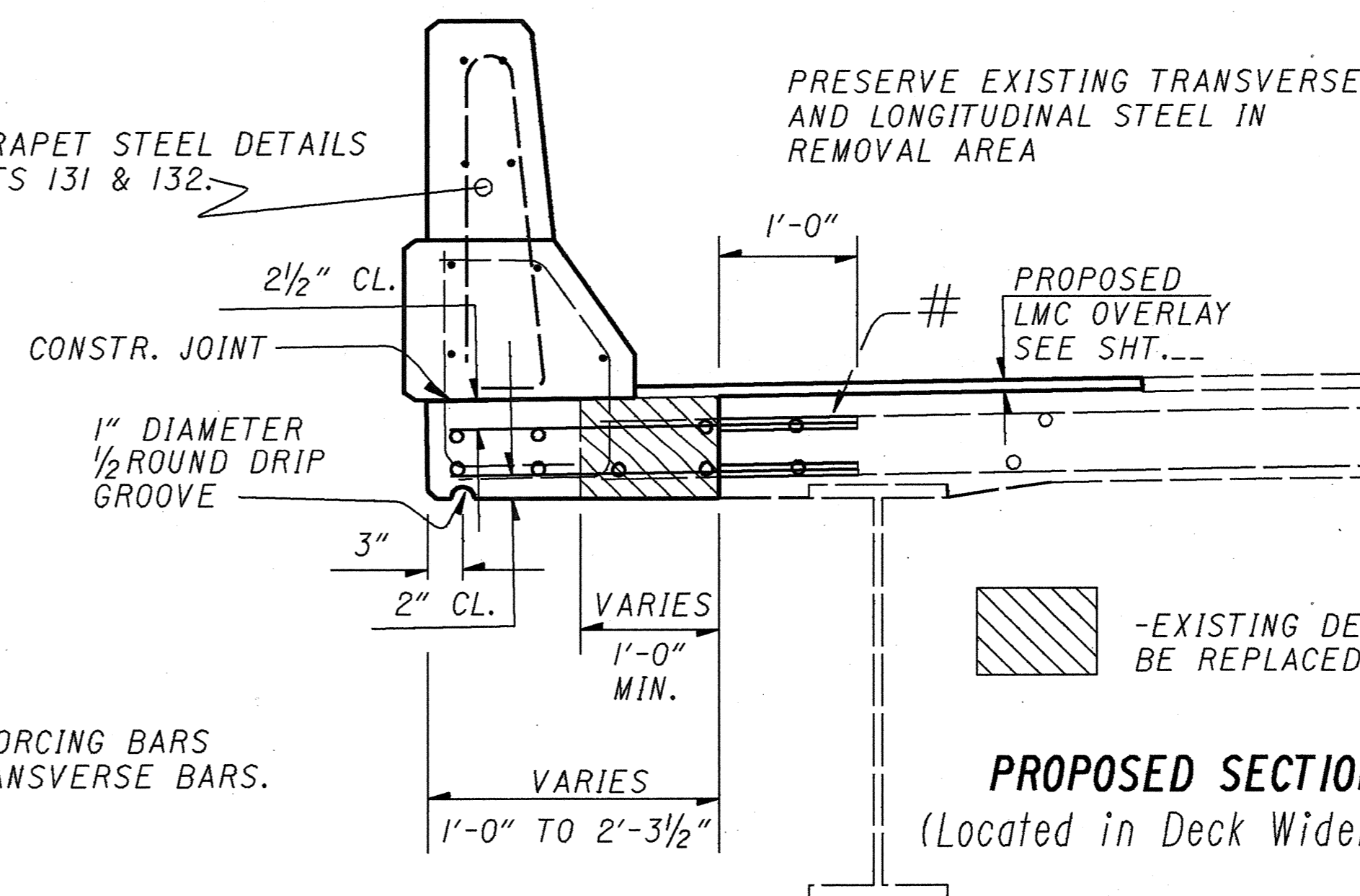
PROPOSED SECTION B-B

NOTE: FOR FURTHER DETAILS SEE STD. DWG. EXJ-4-87

* ANCHOR BARS (TY). FOR SPACING REFER TO STD.DWG. EXJ-4-87 FOR ADDITIONAL DETAILS.

DIMENSION "A"

TEMPERATURE, F	"A", INCHES
30	1.888
40	1.800
50	1.700
60	1.613
70	1.513
80	1.425
90	1.325

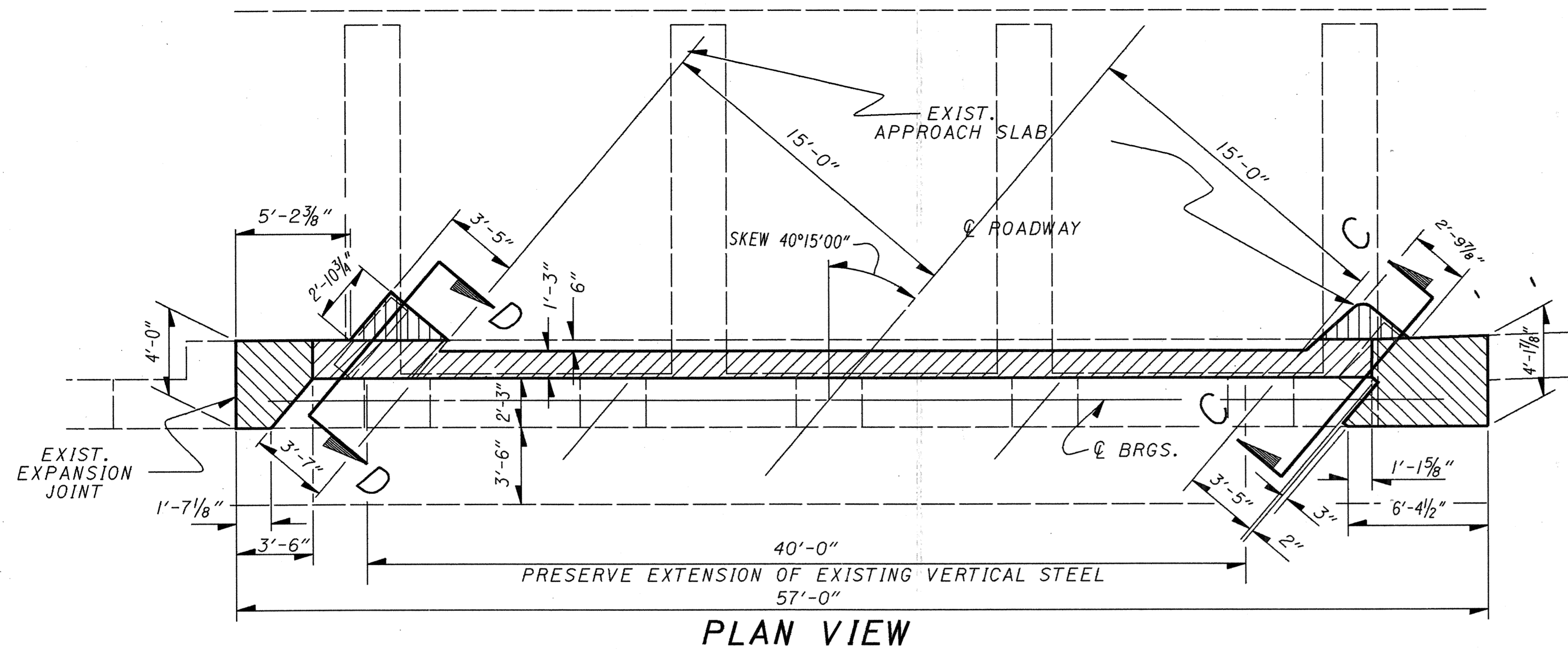


PROPOSED SECTION C-C
(Located in Deck Widening Area)

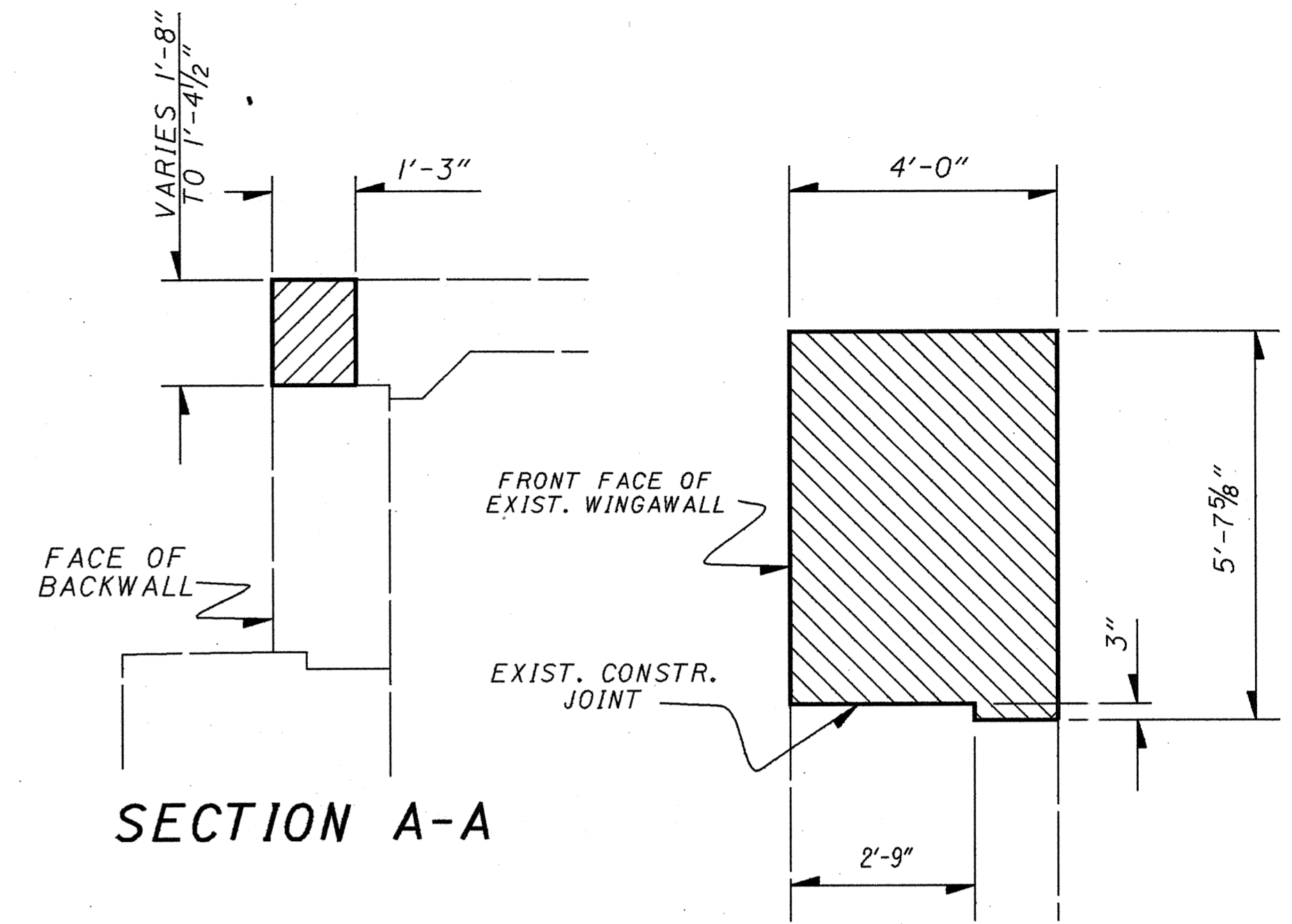
- GROUT PROPOSED REINFORCING BARS INTO HOLES DRILLED IN EXISTING CONCRETE IN ACCORDANCE WITH SS 852 & SPEC. 705.20. HOLES SHALL BE 1'-0" DEEP.

STATE OF OHIO		6/15	
DEPARTMENT OF TRANSPORTATION PLANNING AND DESIGN DEPARTMENT			
DISTRICT ONE			
SUPERSTRUCTURE REHABILITATION DETAILS			
STR. NO ALL-10 1-0030 S.R. 103 OVER NORFOLK SOUTHERN RAILROAD SOUTH ABUTMENT SFN 0203572			
DESIGNED	DRAWN	TRACED	CH. CKED
REVIEWED	DATE	REVISED	
RLS	RLS	RLS	J.C.
	1/28/82		

DATE : 27-JAN-1993
TIME : 11:56
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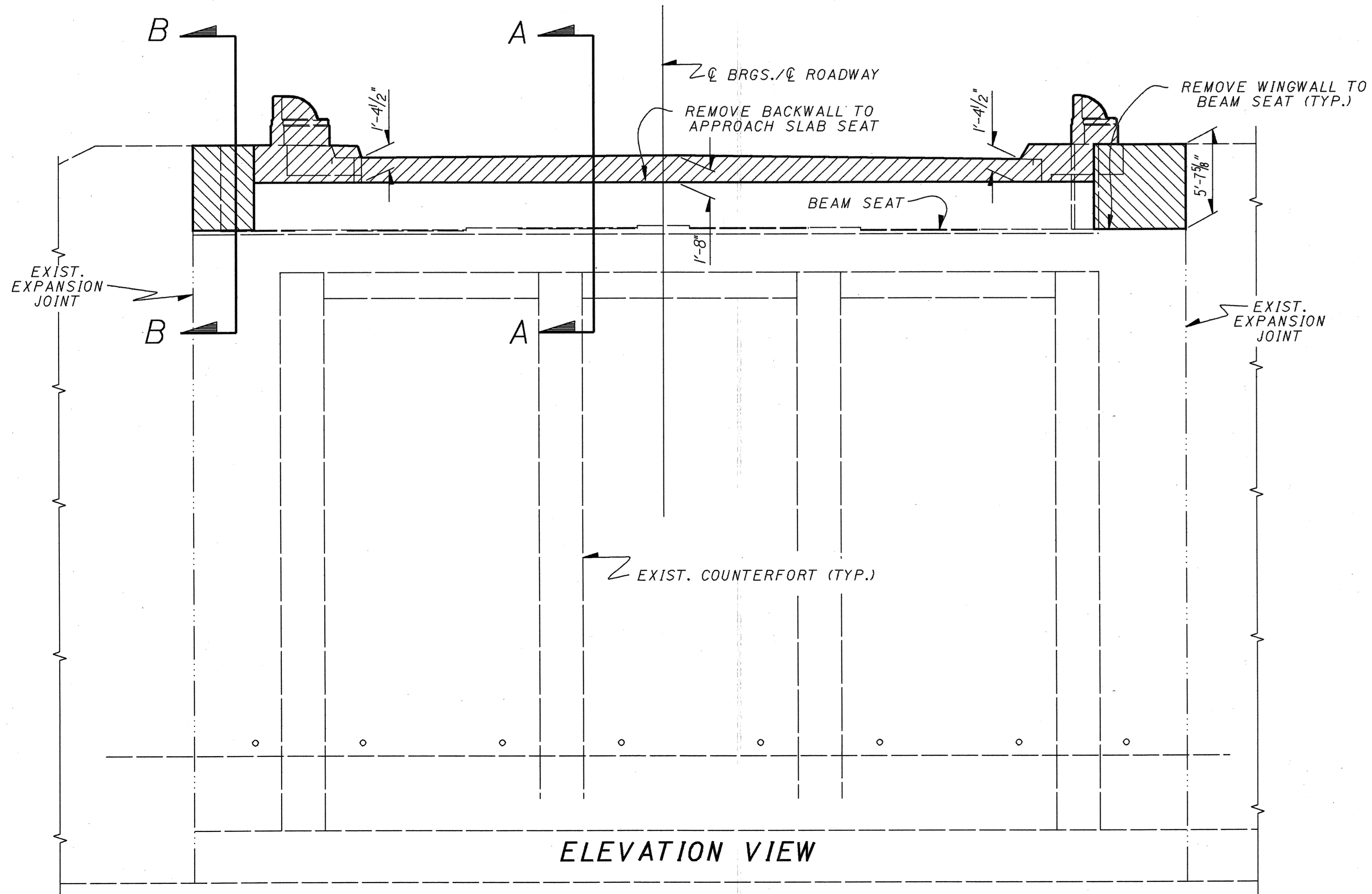


PLAN VIEW

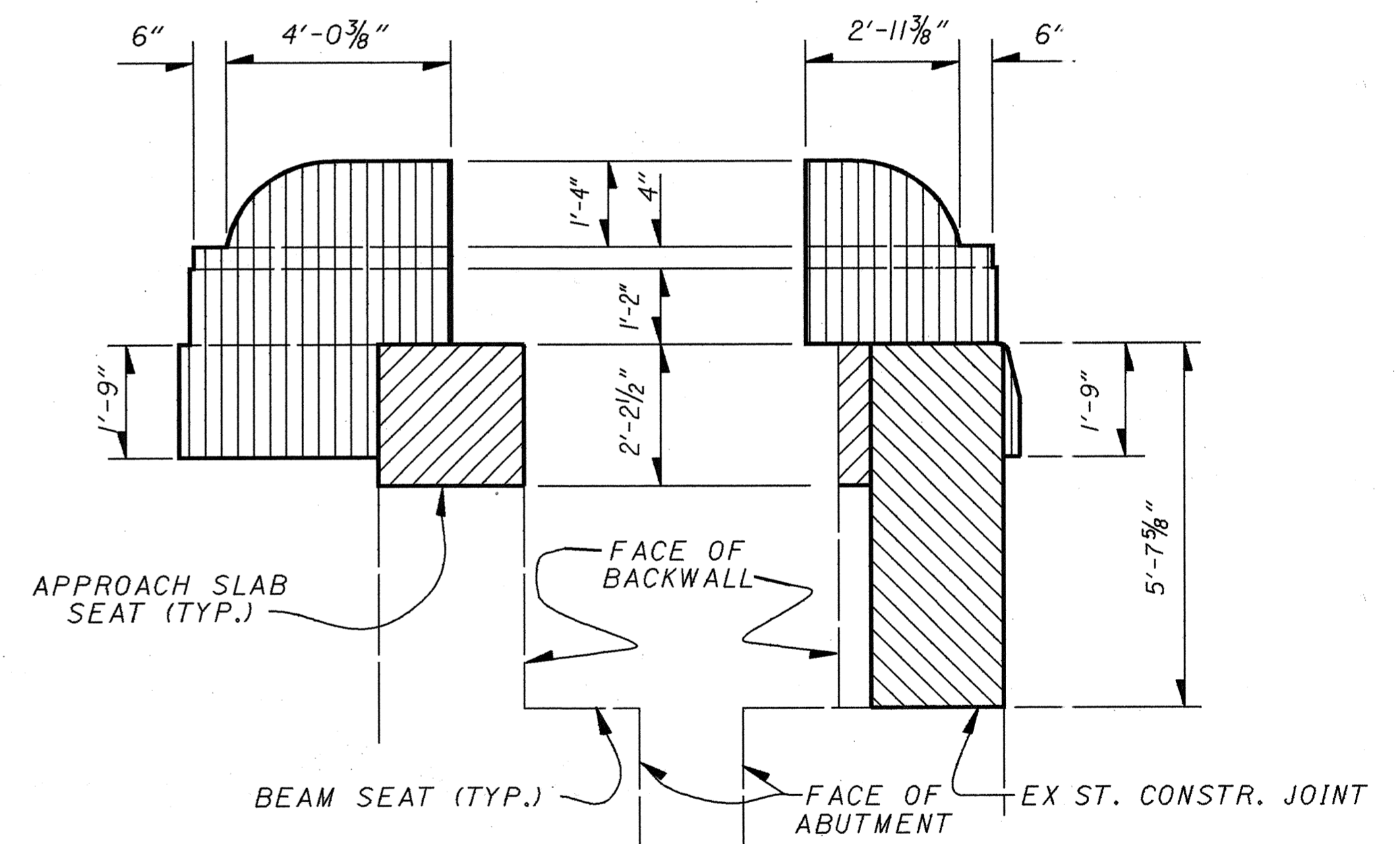


SECTION A-A

SECTION B-B



ELEVATION VIEW



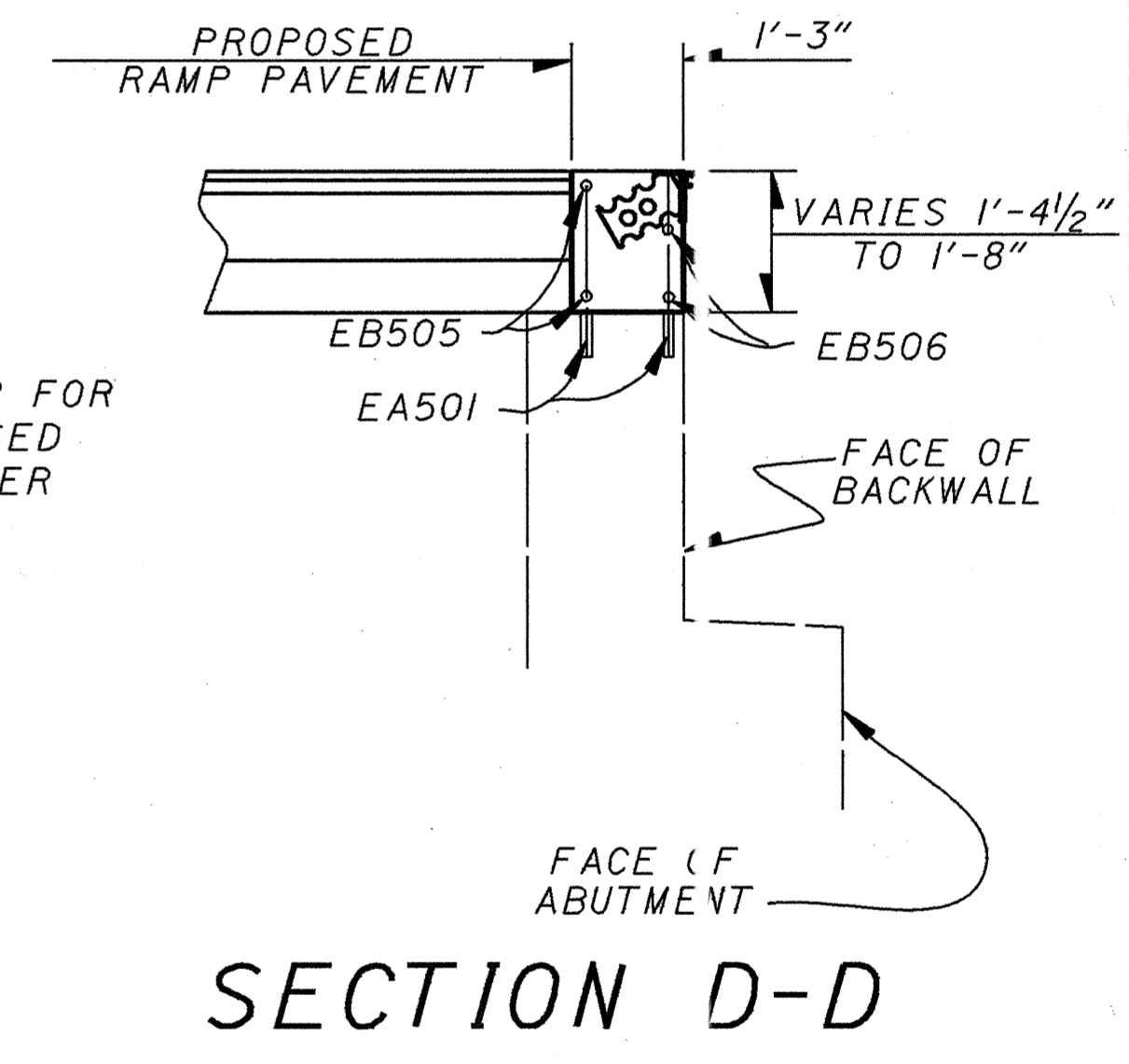
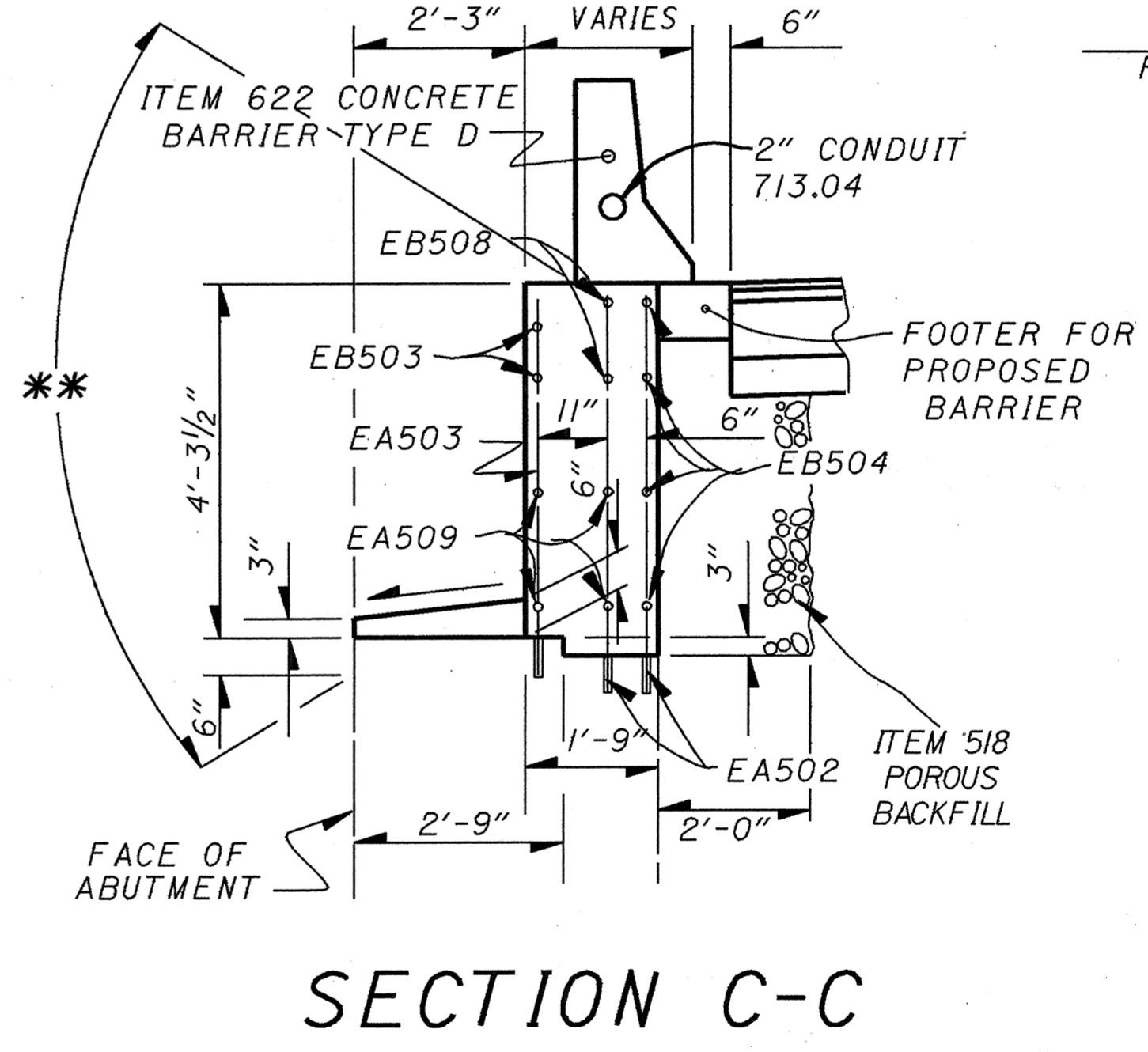
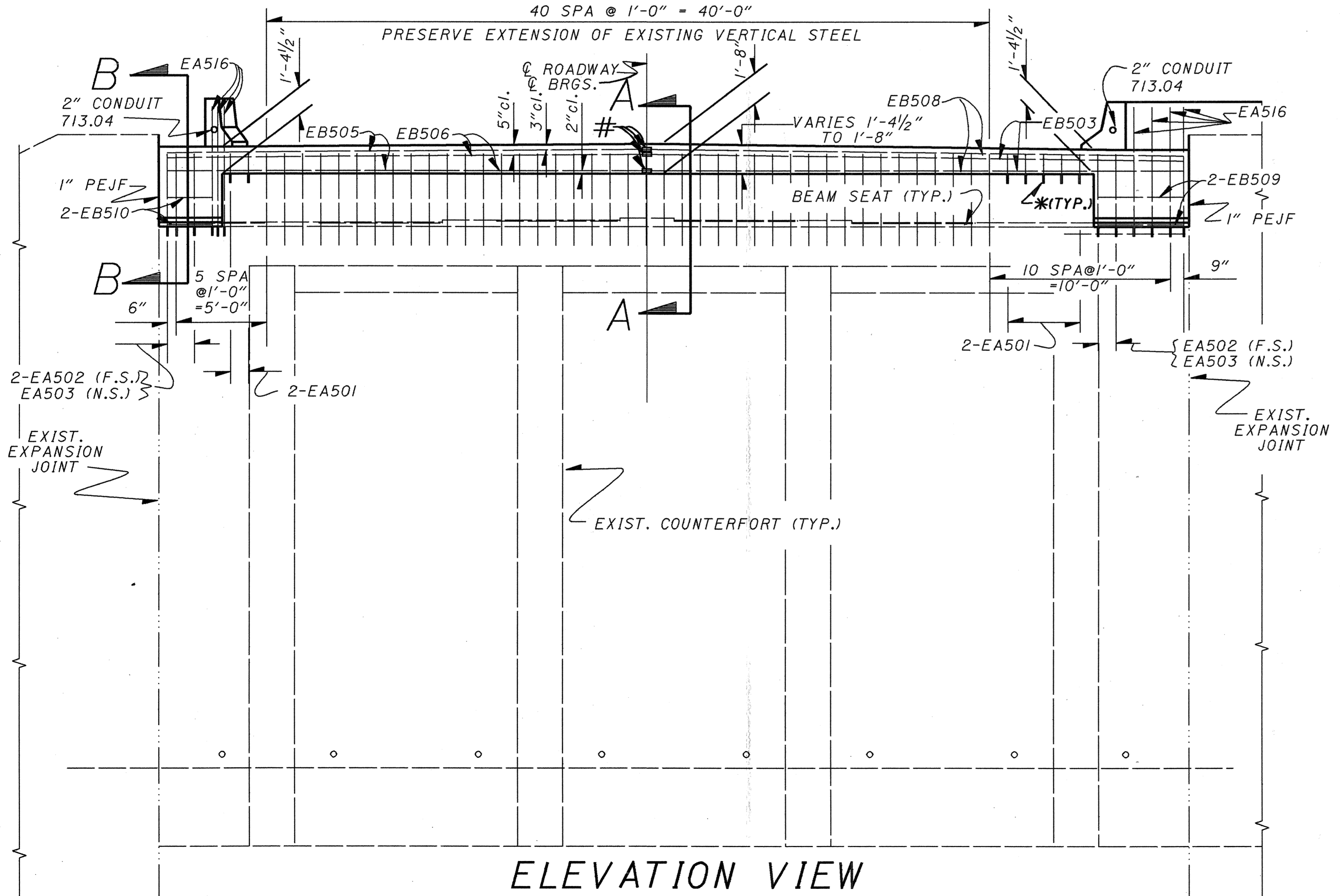
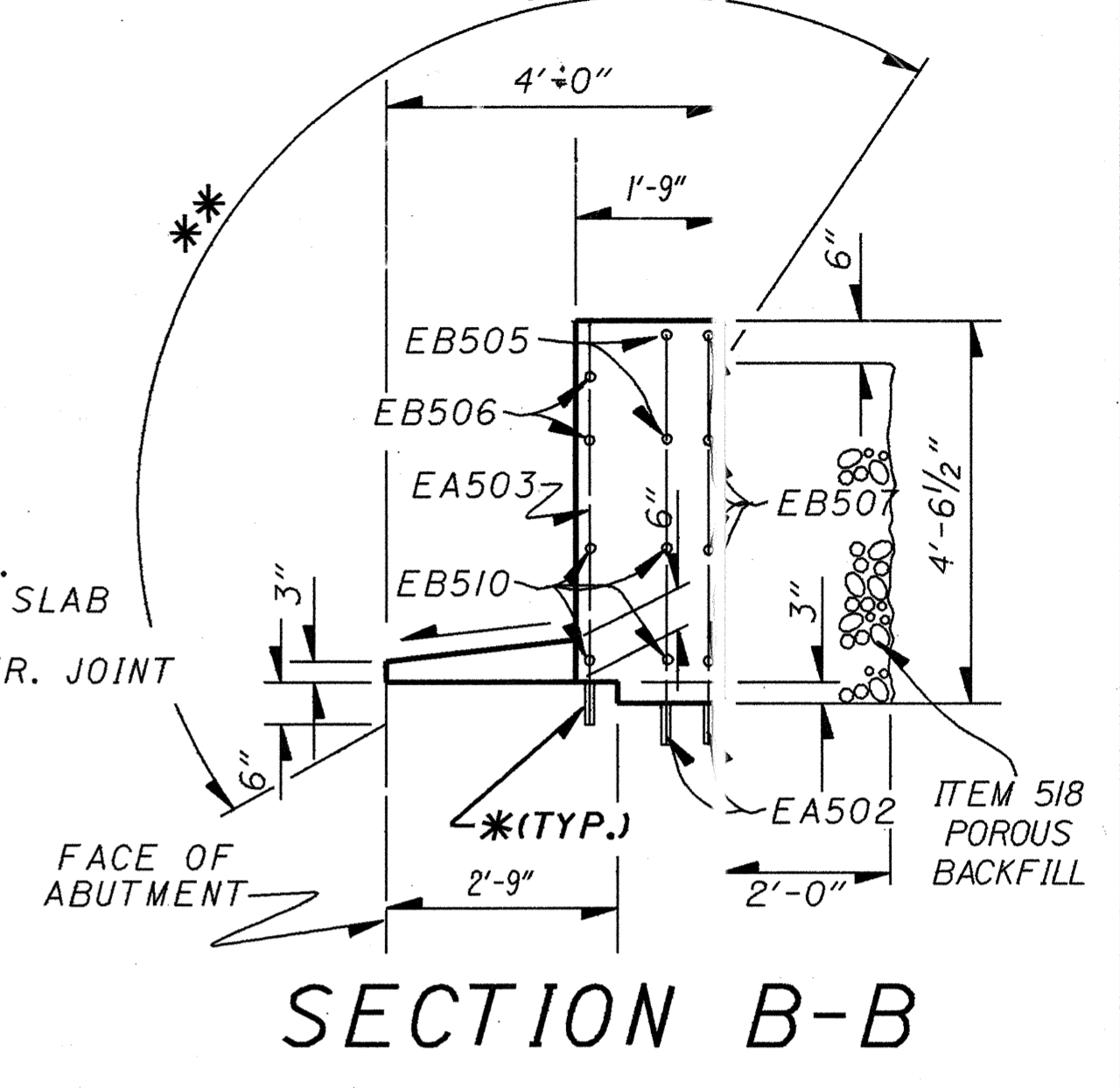
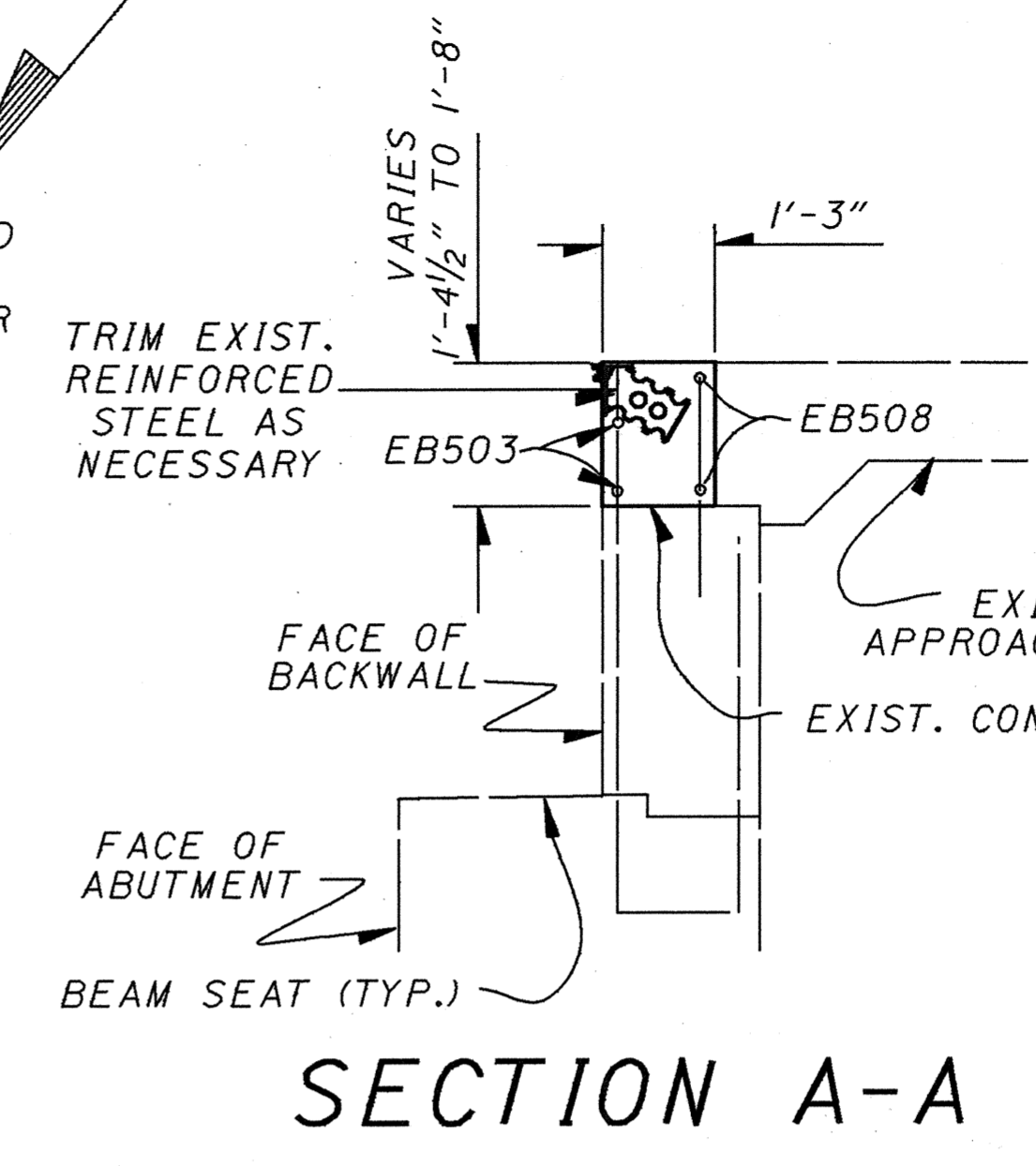
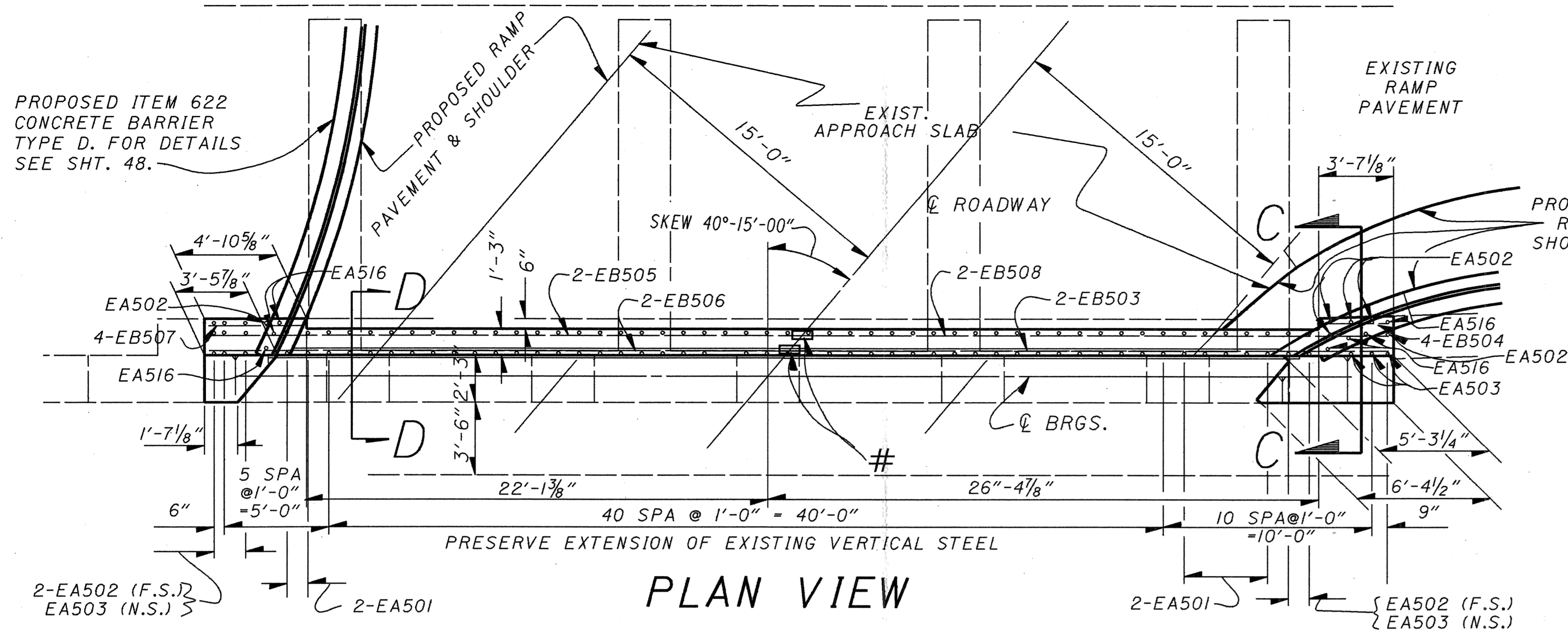
SECTION D-D

SECTION C-C

- LEGEND**
- REMOVE BACKWALL TO APPROACH SLAB SEAT
 - REMOVE SAFETY CURB
 - REMOVE WINGWALL TO BEAM SEAT

STATE OF OHIO					7 / 15
DEPARTMENT OF TRANSPORTATION					
DISTRICT ONE PLANNING AND DESIGN OFFICE					
ABUTMENT REMOVAL DETAILS					
BR. NO. ALL-103-0030 S.R. 103 OVER					
NORFOLK SOUTHERN RAILROAD					
SOUTH ABUTMENT					
SFN 0203572					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
RS	RS	RS	JC	JMK	1/28/93

DESIGN FILE : I:\dgn\bentley\at7522ad3.dgn
 USERNAME : nick
 DATE : 27-JAN-1993
 TIME : 12:00



NOTE: FOR STRIP SEAL DETAILS SEE SHT 128.
 NOTE: PRESERVE SEXTENSIONS OF ALL VERTICAL STEEL IN BACKWALL.
 NOTE: FOR CONCRETE BARRIER DETAILS SEE SHT 48.

- * GROUT PROPOSED REINFORCING BARS INTO HOLES DRILLED INTO EXISTING CONCRETE IN ACCORDANCE WITH SS 852 & SPEC. 705.20. HOLES SHALL BE 12" DEEP.
- # MECHANICAL CONNECTORS @ ϕ ROADWAY TO BE INCLUDED WITH ITEM 509 EPOXY COATED REINFORCING STEEL.
- ** SURFACE TO BE EPOXY SEALED.

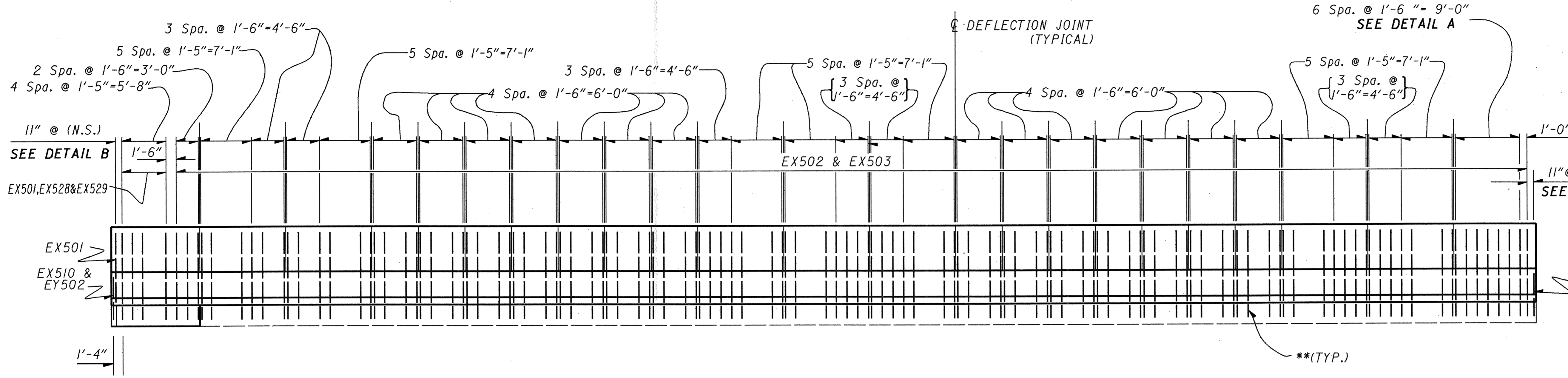
STATE OF OHIO		8 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN OFFICE			
ABUTMENT REHABILITATION DETAILS			
BR. NO. ALL-103-0030 S.R. 103 OVER NORFOLK SOUTHERN RAILROAD SOUTH ABUTMENT SFN 02(3572			
DESIGNED	DRAWN	TRACED	CHECKED
REVIEWED	DATE	REVISED	
RLS	RLS	RLS	JRC
	DMK	1/28/93	

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 DATE : 27-JAN-1993
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CALC BY
DATE
CHKD BY
DATE

ALLEN COUNTY
ALL-75-22.12

OHIO
FHWA REGION 5
131
137



ELEVATION

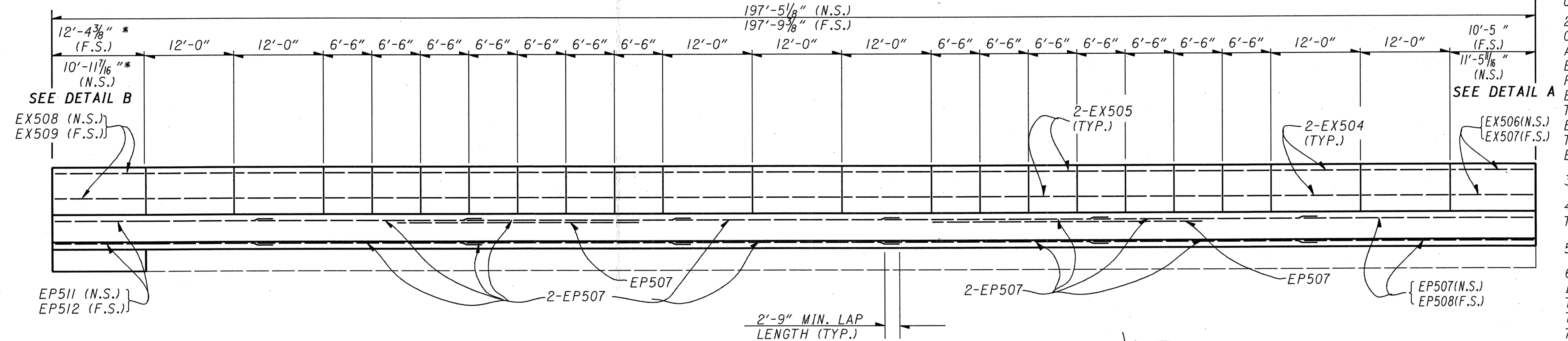
VERTICAL STEEL IN DEFLECTOR PARAPET

LEGEND

N.S. - NEAR SIDE
F.S. - FAR SIDE
* - RADIAL DIMENSION
** - GROUT PROPOSED REINFORCING BARS INTO HOLES DRILLED INTO EXIST. CONCRETE IN ACCORDANCE WITH SS852 & SPEC. 705.20. HOLES SHALL BE 6" DEEP.

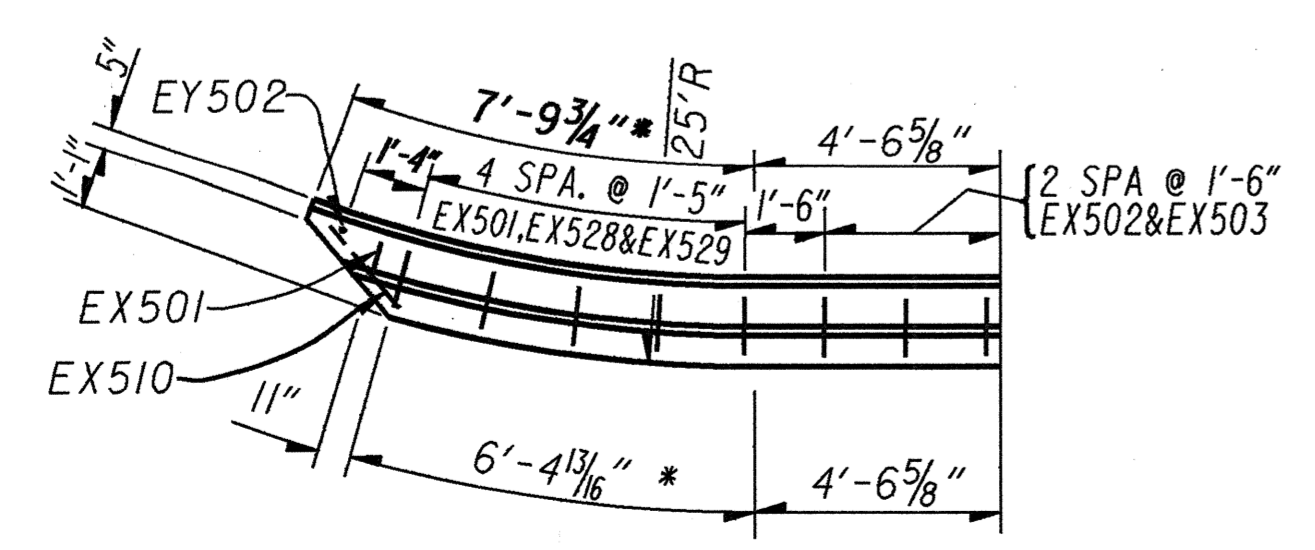
NOTES

- 1) - ALL SPACING BETWEEN & DEFLECTION JOINT AND & OF VERTICAL REINFORCING STEEL BARS SHALL BE A MINIMUM OF 2 1/2" UNLESS OTHERWISE NOTED.
- 2) - CONCRETE PARAPETS ABOVE THE CONSTRUCTION JOINT SHALL BE PLACED IN ALTERNATING SECTIONS BY THE USE OF BULKHEADS. CLOSING SECTIONS SHALL BE PLACED AFTER THE REMOVAL OF THE BULKHEADS AND AFTER THE PLACEMENT OF THE EXPANSION JOINT FILLER. EXPOSED EDGES OF THE FILLER SHALL BE FLUSH WITH THE SURFACE OF THE CONCRETE AND SHALL BE FREE OF MORTAR.
- 3) - DRAWINGS NOT TO SCALE
- 4) - REINFORCING BARS SHALL NOT EXTEND THROUGH THE DEFLECTION JOINTS.
- 5) - SECTION SHOWN VIEWING FACE OF PARAPET
- 6) - FOR DETAILS OF REMOVING THE EXISTING PARAPET AND THE RECONSTRUCTION OF THE PROPOSED SAFETY SHIELD PARAPET ON THE STRUCTURE, SEE SHT. 134.
- 7) - ALL REINFORCING STEEL SHALL BE EPOXY COATED



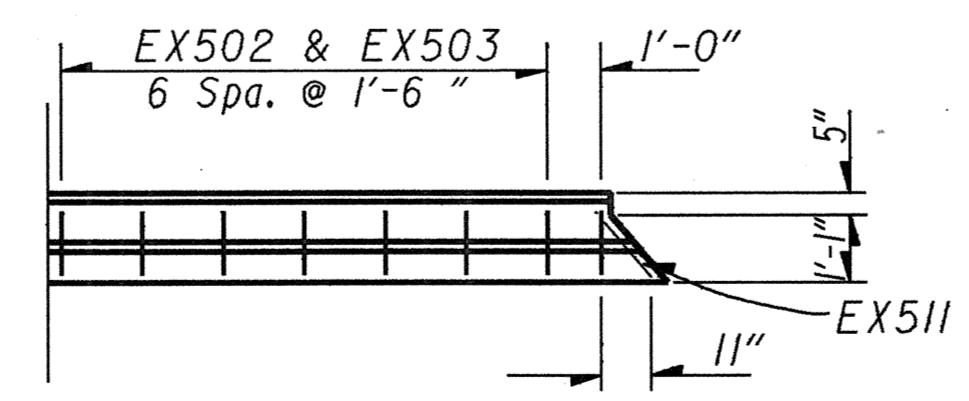
ELEVATION

HORIZONTAL STEEL IN DEFLECTOR PARAPET



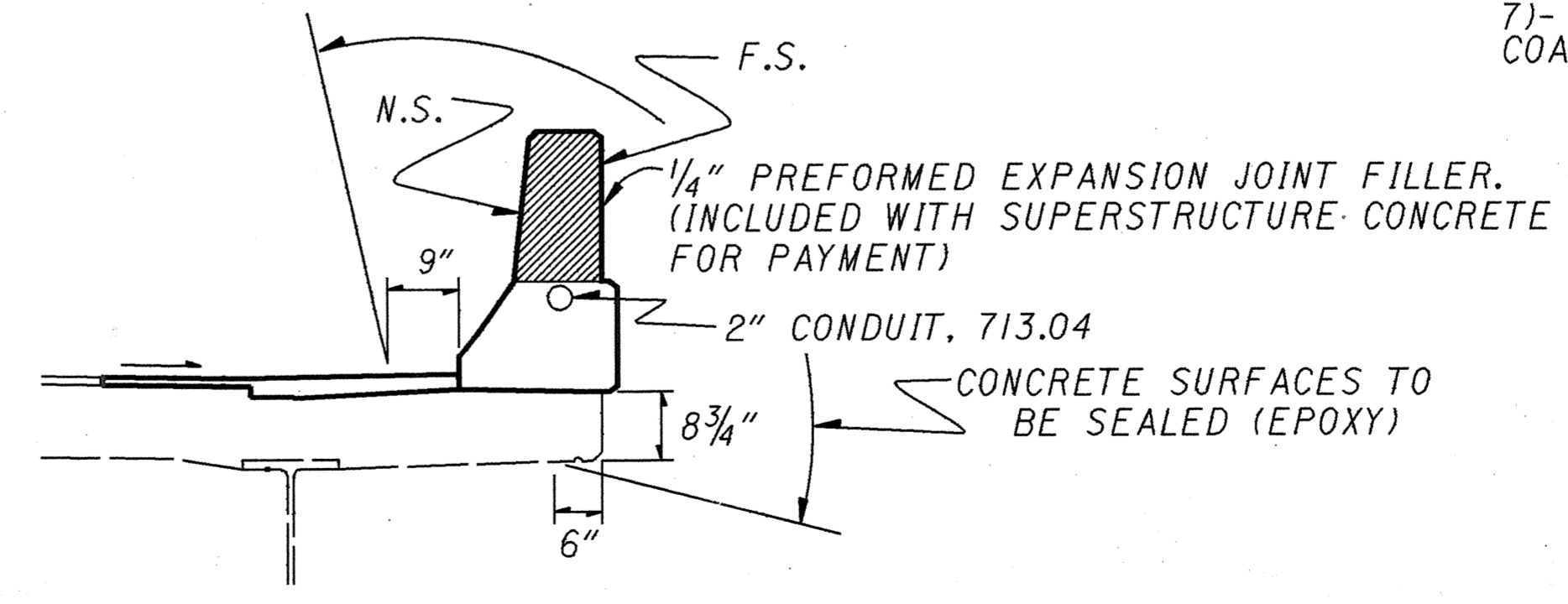
DETAIL B

(PLAN VIEW)



DETAIL A

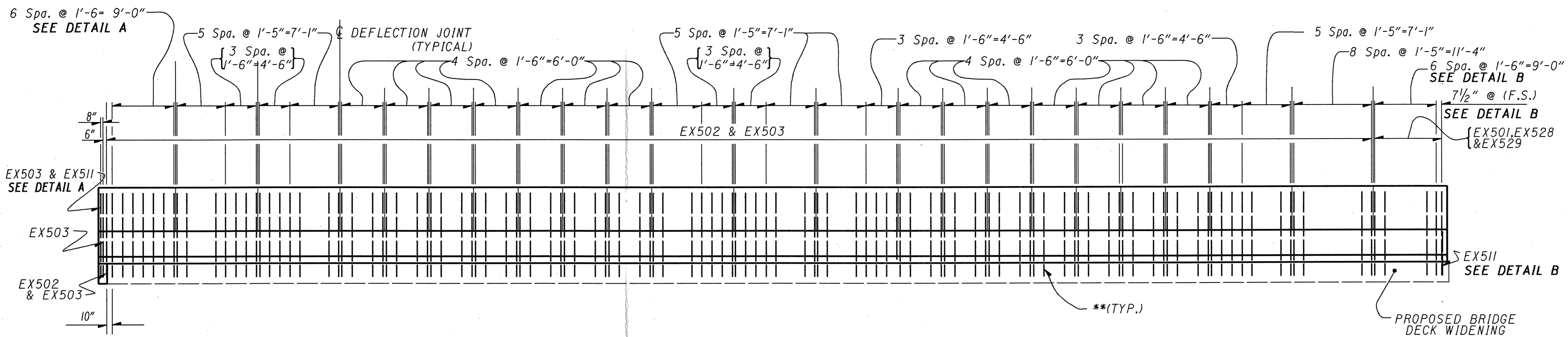
(PLAN VIEW)



SECTION THRU DEFLECTION PARAPET

STATE OF OHIO		9/15	
DEPARTMENT OF TRANSPORTATION		PLANNING AND DESIGN DEPARTMENT	
DISTRICT ONE			
PARAPET DETAIL - LEFT SIDE			
STR. NO ALL-103-C030			
S.R. 103 OVER			
NORFOLK SOUTHERN RAILROAD			
SFN 0203572			
DESIGNED	DRAWN	TRACED	CHKD
REVIEWED	DATE	REVISED	
RLS	RLS	RLS	JJC
			JMK 1/20/23

DESIGN FILE : I:\dgn\bentley\7522pdl.dgn
 USERNAME : nick
 DATE : 27-JAN-1993
 TIME : 12:11



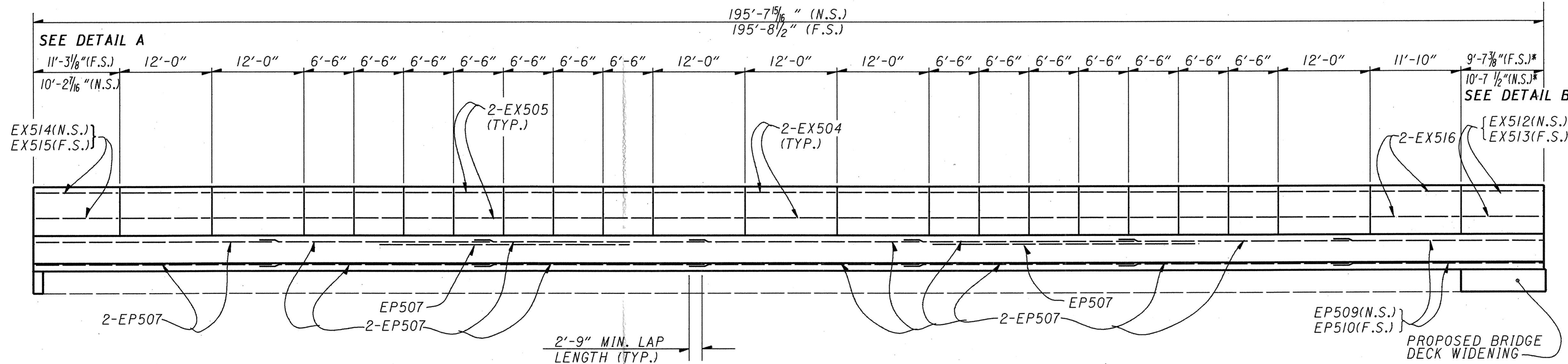
ELEVATION
VERTICAL STEEL IN DEFLECTOR PARAPET

LEGEND

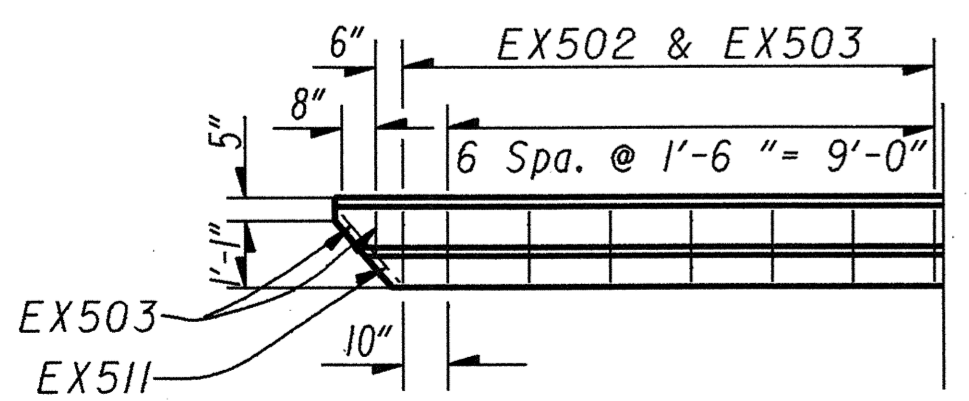
N.S. - NEAR SIDE
F.S. - FAR SIDE
* - RADIAL DIMENSION
** - GROUT PROPOSED REINFORCING BARS INTO HOLES DRILLED INTO EXIST. CONCRETE IN ACCORDANCE WITH SS852 & SPEC. 705.20. HOLES SHALL BE 6" DEEP.

NOTES

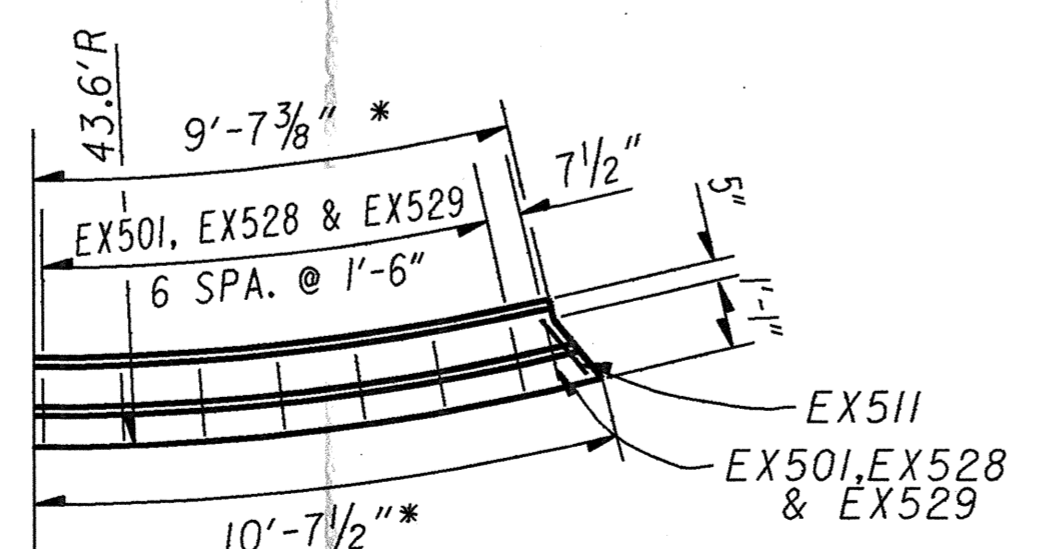
- 1) - ALL SPACING BETWEEN Q DEFLECTION JOINT AND Q OF VERTICAL REINFORCING STEEL BARS SHALL BE A MINIMUM OF 2 1/2" UNLESS OTHERWISE NOTED.
- 2) - CONCRETE PARAPETS ABOVE THE CONSTRUCTION JOINT SHALL BE PLACED IN ALTERNATING SECTIONS BY THE USE OF BULKHEADS. CLOSING SECTIONS SHALL BE PLACED AFTER THE REMOVAL OF THE BULKHEADS AND AFTER THE PLACEMENT OF THE EXPANSION JOINT FILLER. EXPOSED EDGES OF THE FILLER SHALL BE FLUSH WITH THE SURFACE OF THE CONCRETE AND SHALL BE FREE OF MORTAR.
- 3) - DRAWINGS NOT TO SCALE
- 4) - REINFORCING BARS SHALL NOT EXTEND THROUGH THE DEFLECTION JOINTS.
- 5) - SECTION SHOWN VIEWING FACE OF PARAPET
- 6) - FOR DETAILS OF REMOVING THE EXISTING PARAPET AND THE RECONSTRUCTION OF THE PROPOSED SAFETY SHAPE PARAPET ON THE STRUCTURE, SEE SHT. 10.4.
- 7) - ALL REINFORCING STEEL SHALL BE EPOXY COATED



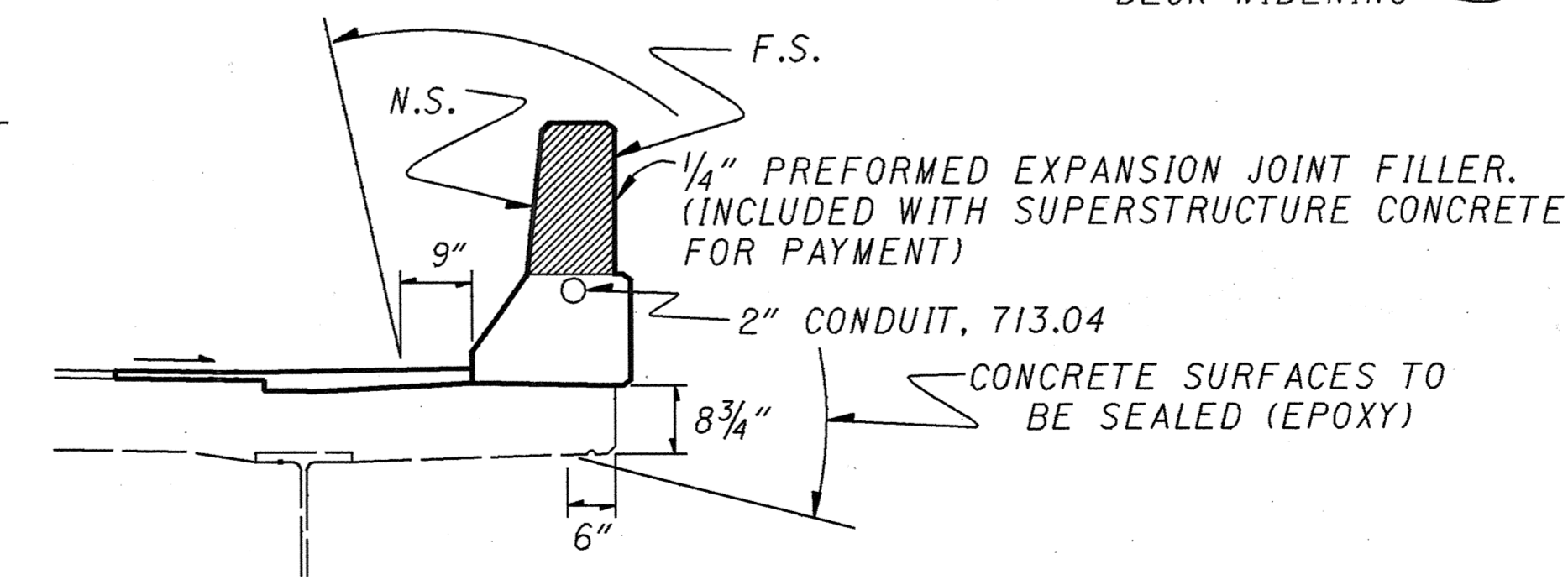
ELEVATION
HORIZONTAL STEEL IN DEFLECTOR PARAPET



DETAIL A
(PLAN VIEW)



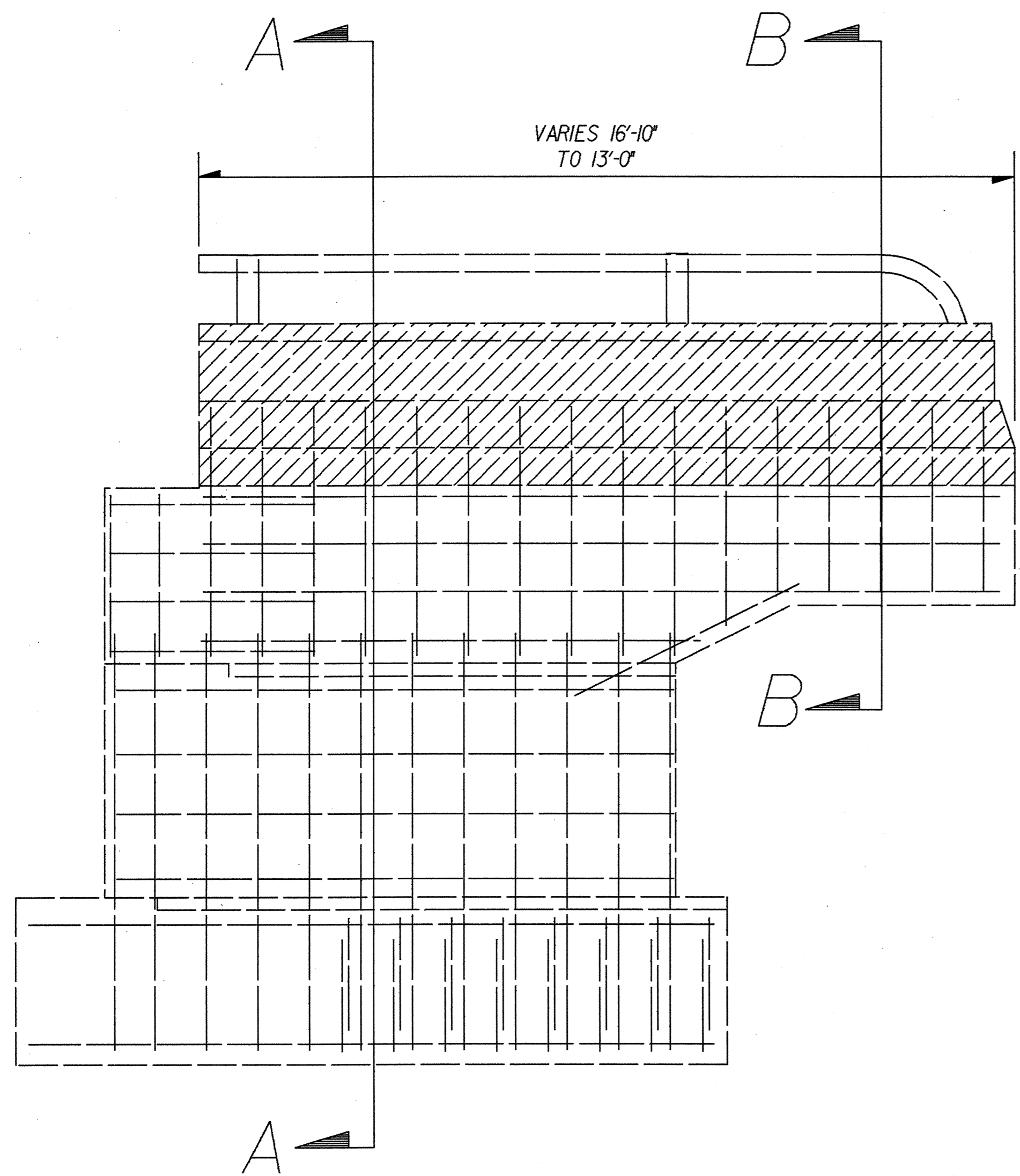
DETAIL B
(PLAN VIEW)



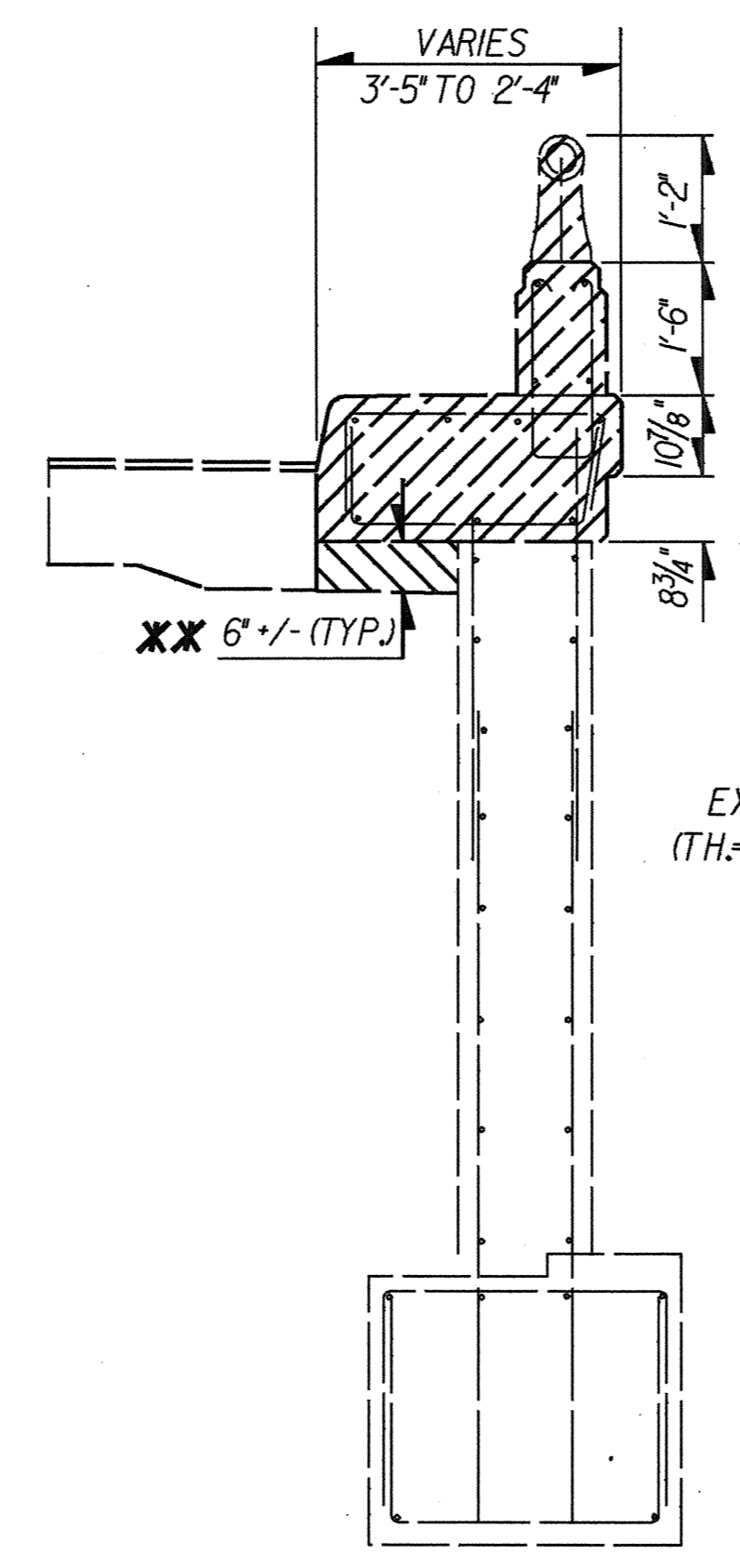
SECTION THRU DEFLECTION PARAPET

STATE OF OHIO		10/15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE		PLANNING AND DESIGN DEPARTMENT	
PARAPET DETAIL - RIGHT SIDE			
STR. NO ALL-103-030			
S.R. 103 OVER			
NORFOLK SOUTHERN RAILROAD			
SFN 0203572			
DESIGNED	DRAWN	TRACED	CH. CKD
REVIEWED	DATE	REVISED	
RLS	RLS	RLS	JLC
	1/28/92		

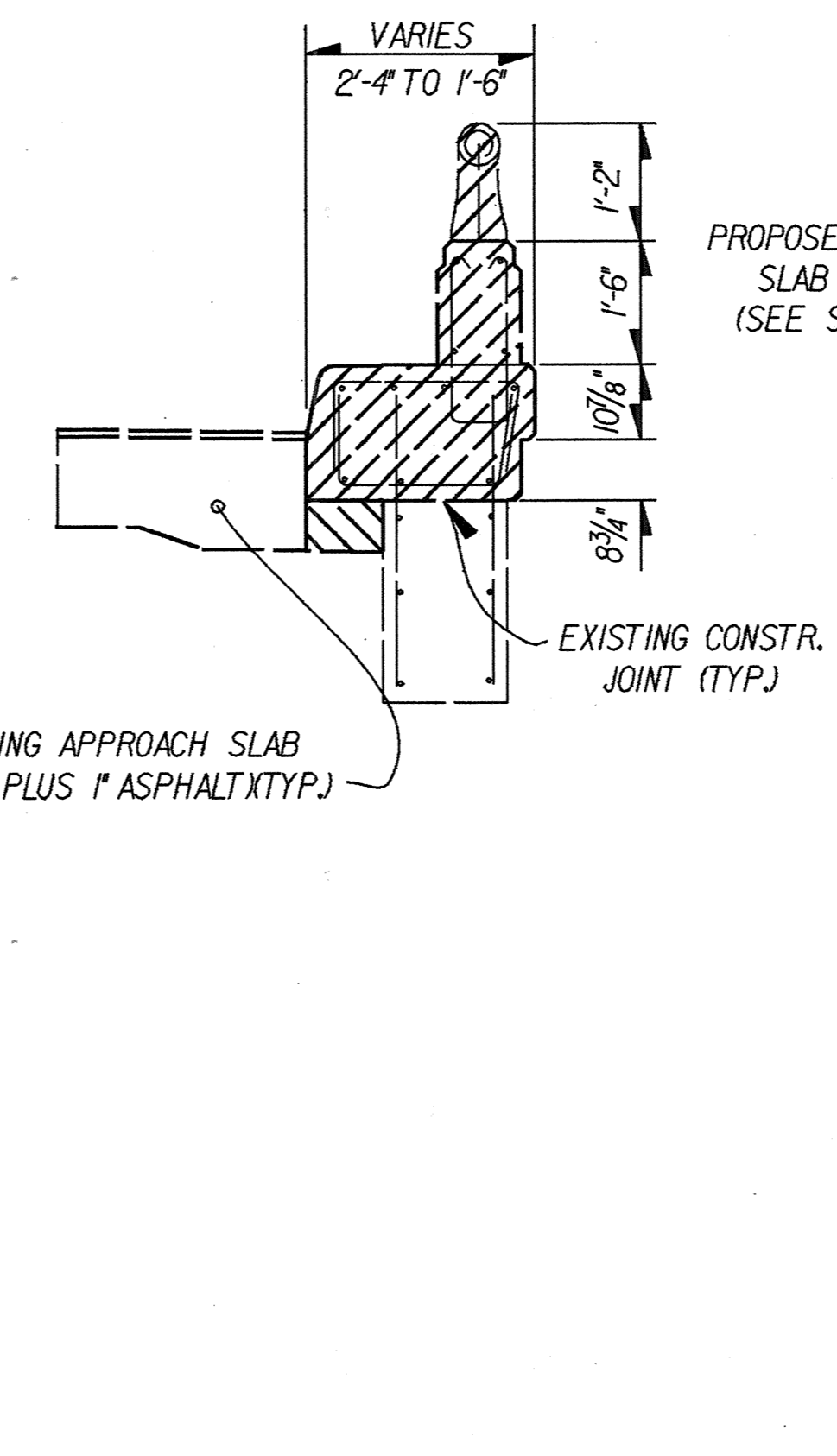
DESIGN FILE : I:\adgn\bentley\at7522p.dgn
USER NAME : nick
DATE : 27-JAN-1993
TIME : 12:15



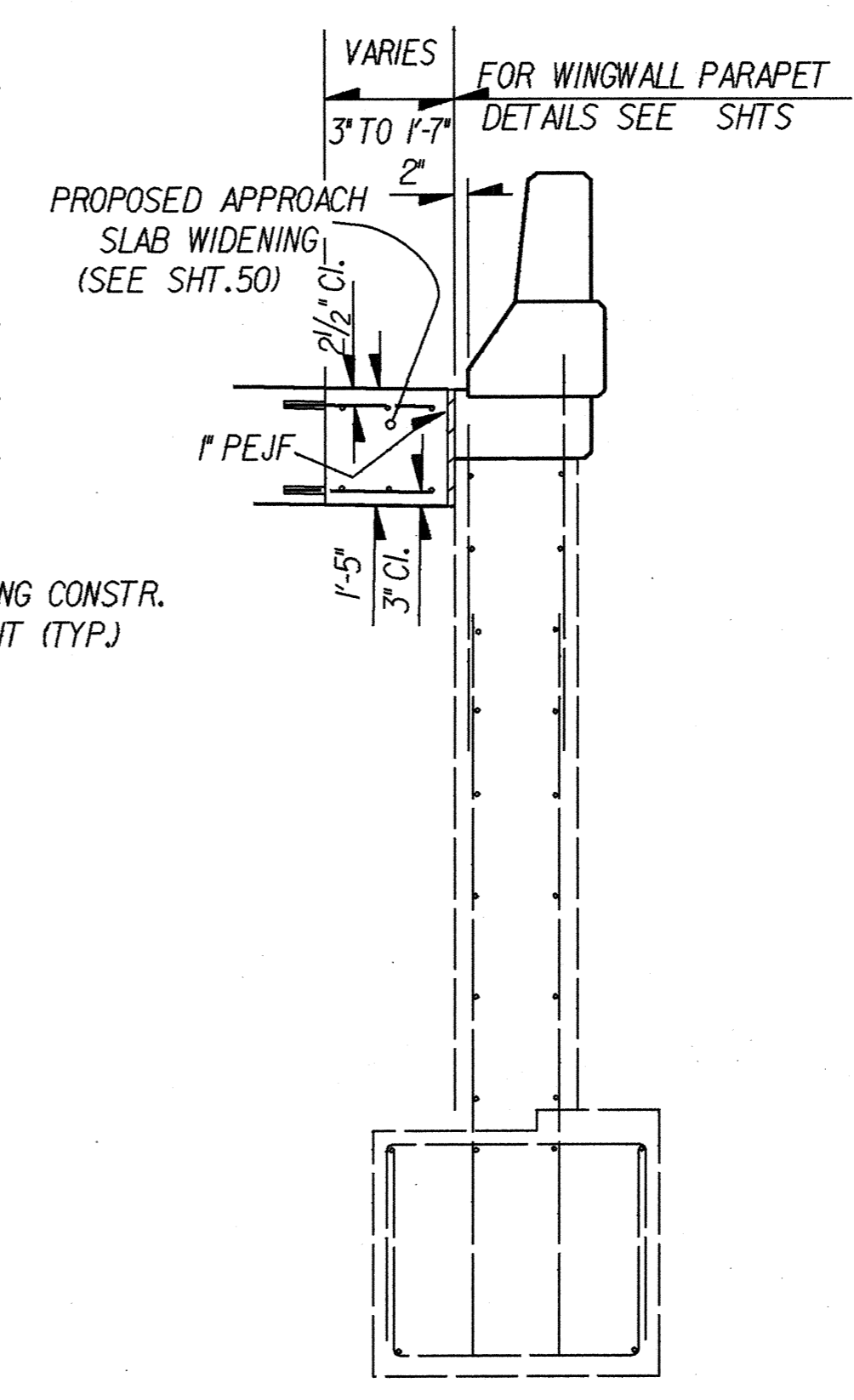
ELEVATION VIEW



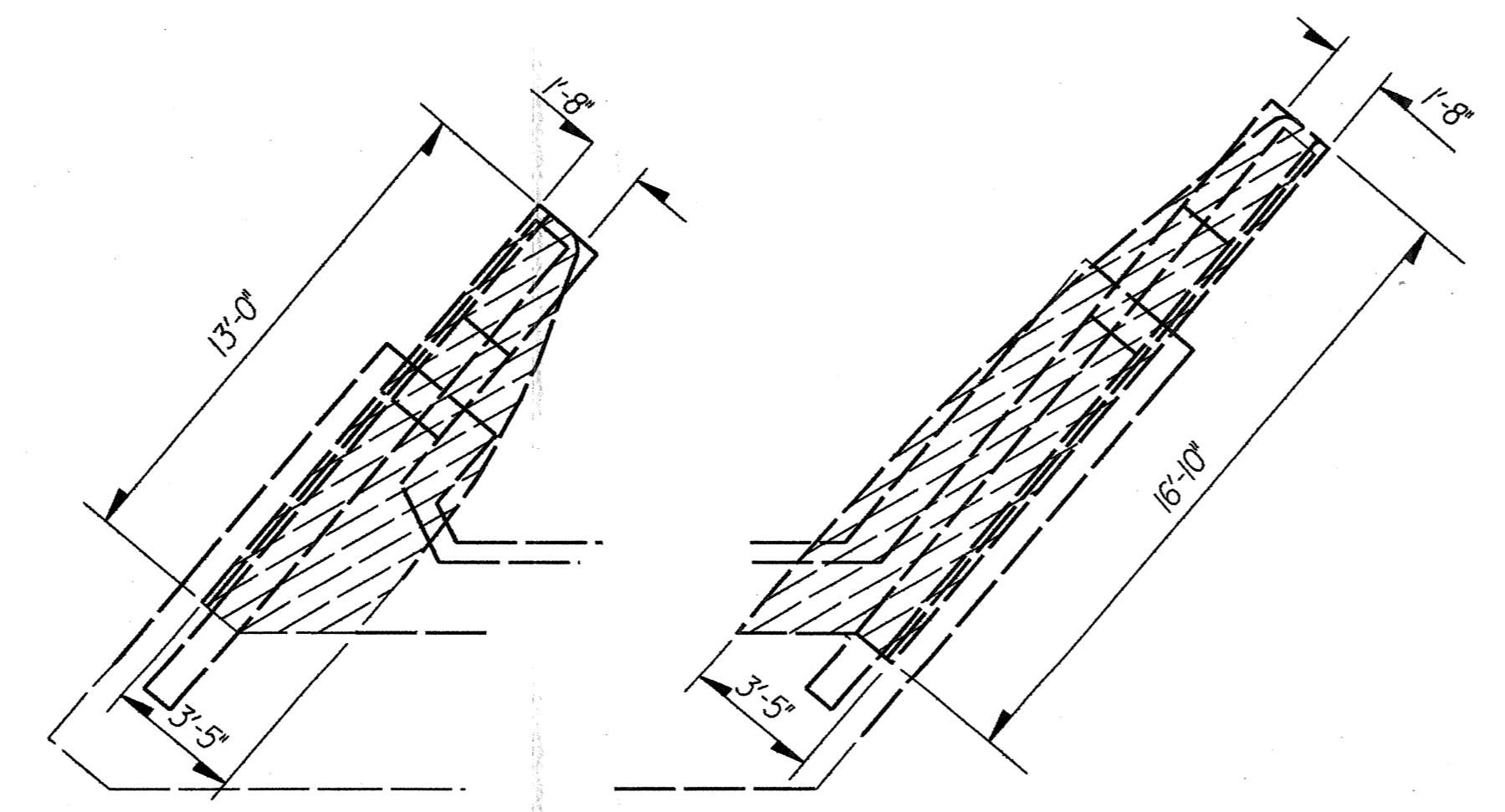
SECTION A-A (EXISTING)



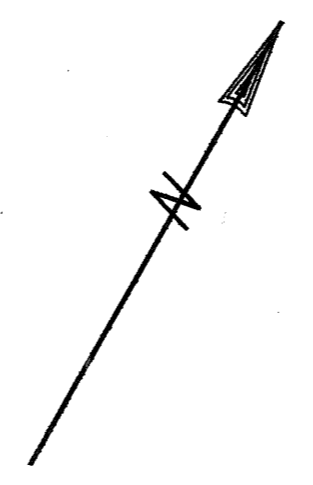
SECTION B-B



SECTION A-A (PROPOSED)



SAFETY CURB REMOVAL DETAIL (PLAN VIEW)



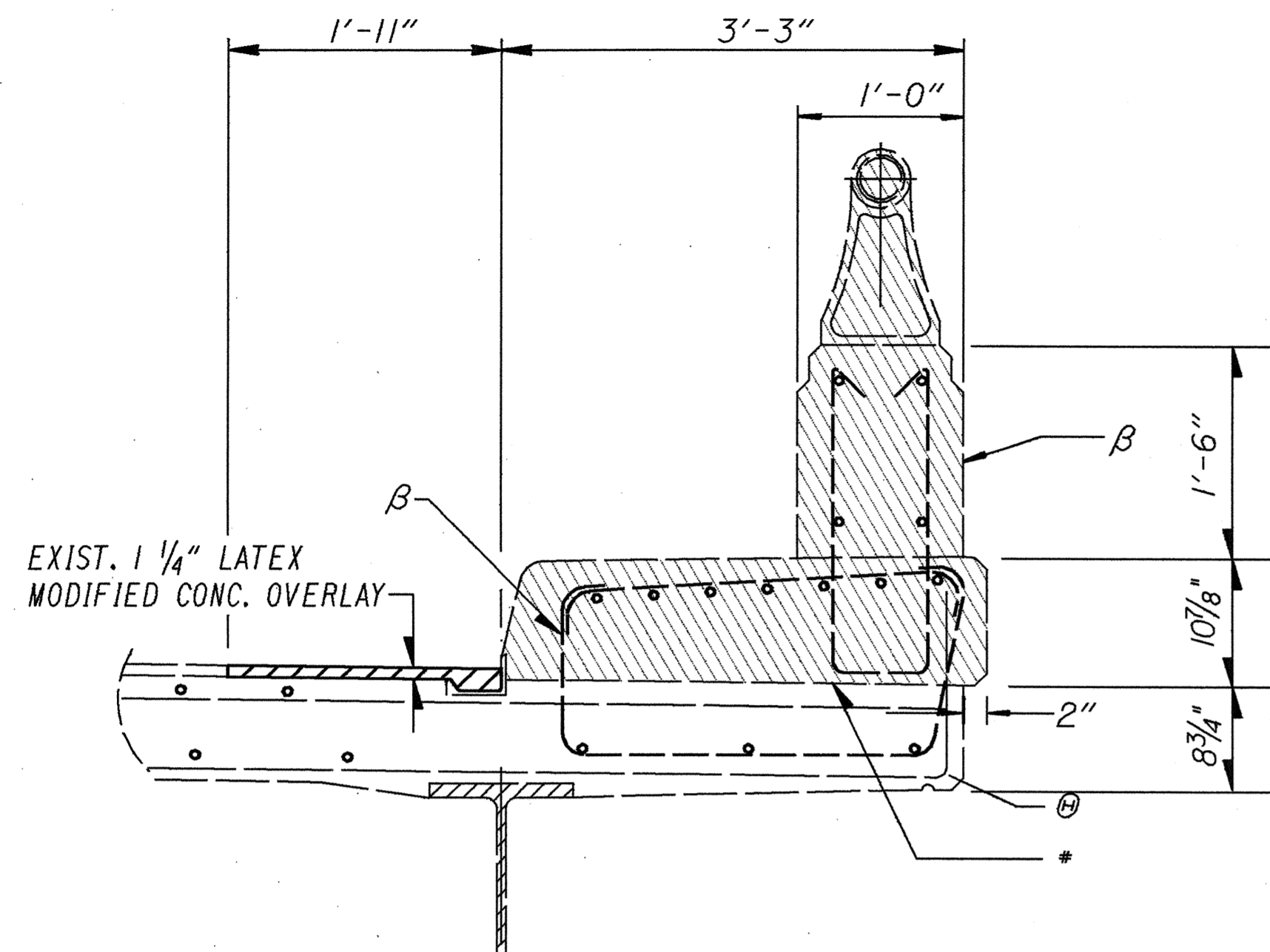
NOTE: REMOVAL OF SAFETY CURBS AND PARAPET INCLUDED WITH BRIDGE QUANTITIES. ALL OTHER WORK TO WIDEN APPROACH SLAB INCLUDED WITH ROADWAY QUANTITIES.

- LEGEND**
- ITEM 202 PORTIONS OF STRUCTURE REMOVED
 - ITEM 203 EXCAVATION **XX**

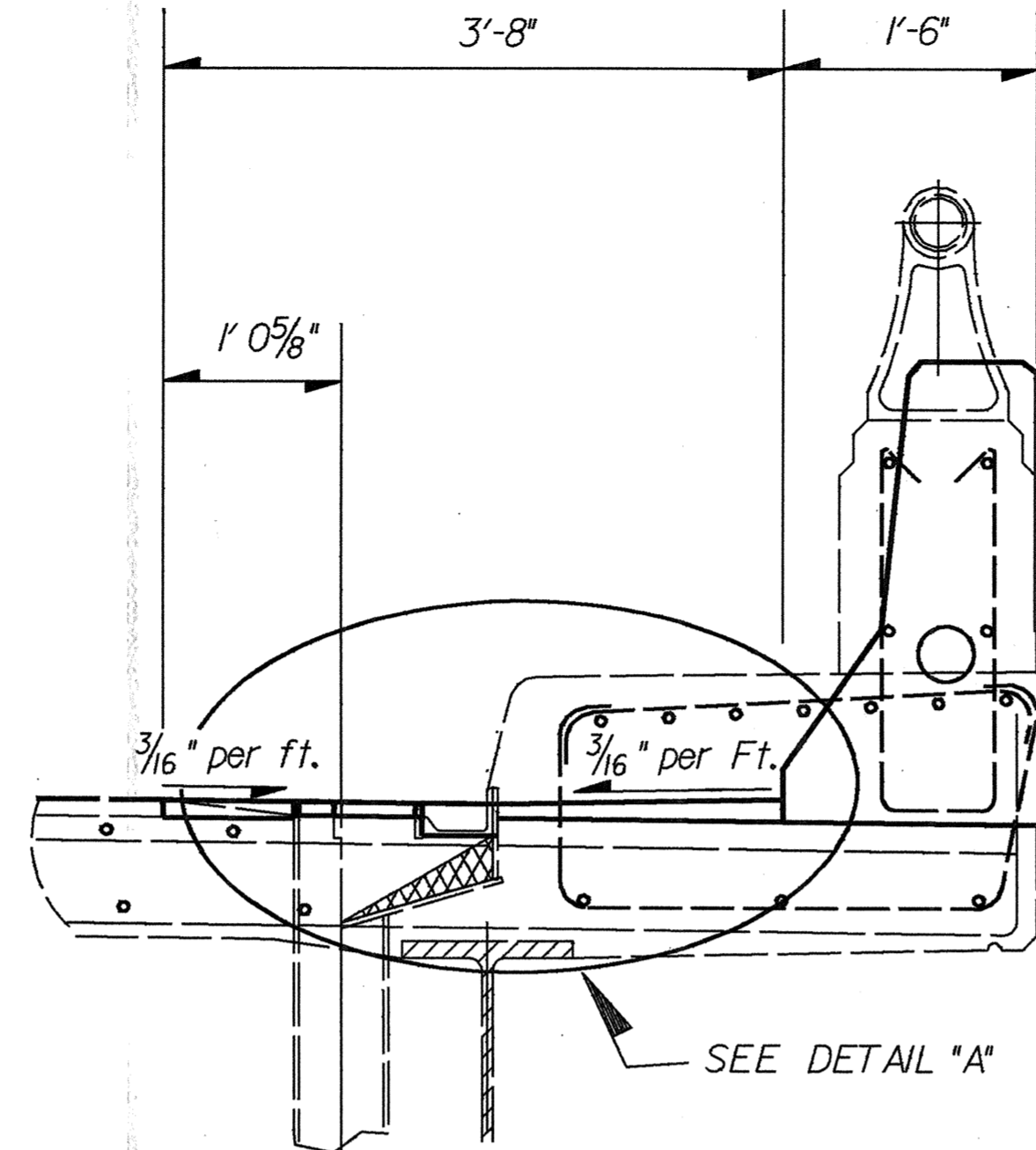
NOTE: FOR WINGWALL PARAPET DETAILS. SEE SHTS. 135-136.
 NOTE: PRESERVE EXTENSIONS ON ALL EXISTING VERTICAL STEEL
 NOTE: FOR ADDITIONAL EXISTING SAFETY CURB DIMENSIONS, SEE SHT. 125.

DESIGN FILE : i:\dgm\bentley\at7522ad6.dgn
 USERNAME : nick
 DATE : 27-JAN-1993
 TIME : 12:22

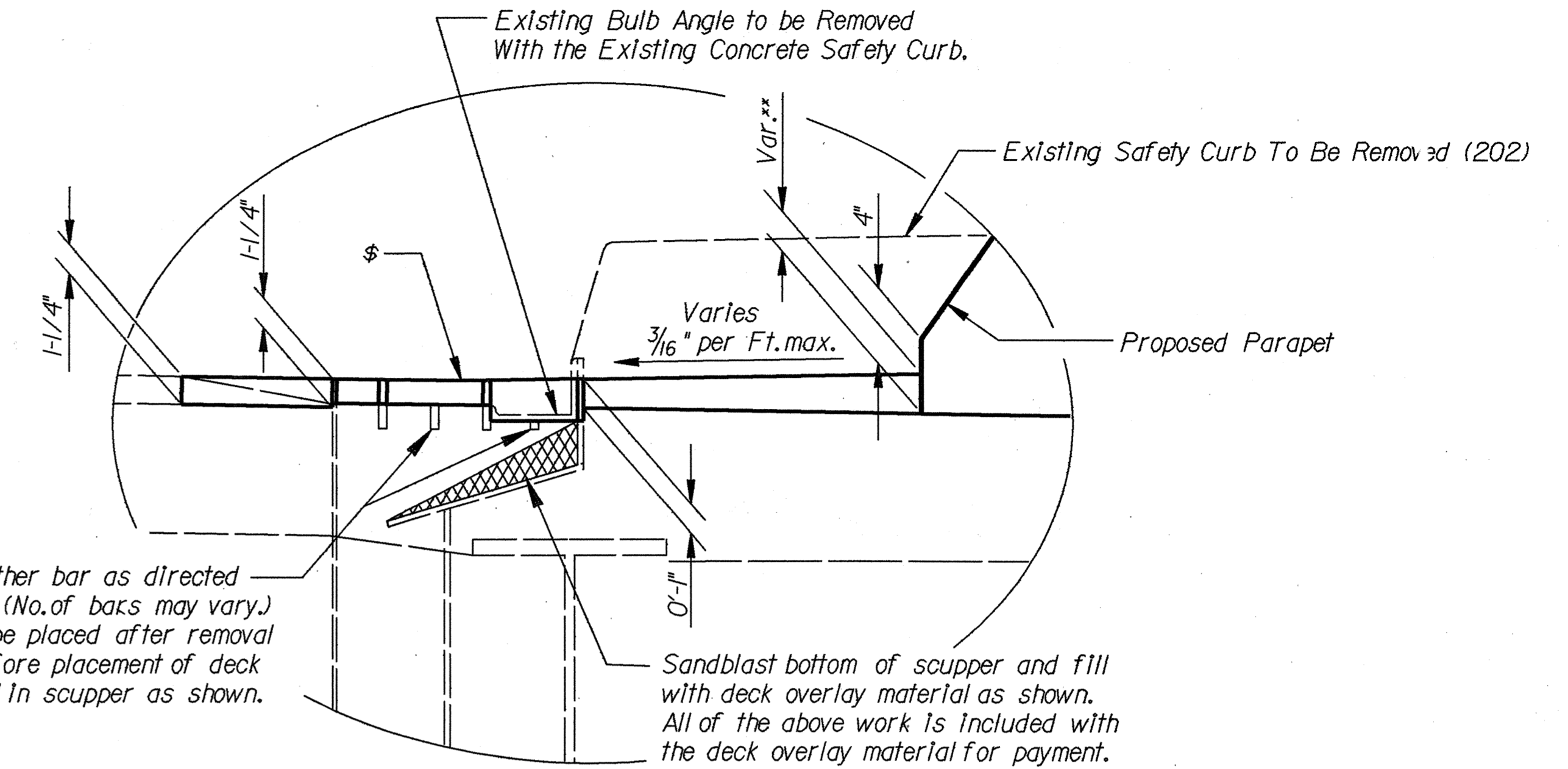
STATE OF OHIO		11 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN OFFICE			
SAFETY CURB REMOVAL DETAILS			
STR. NO. ALL-103-0030			
S.R. 103 OVER NORFOLK SOUTHERN RAILROAD			
NORTH ABUTMENT			
SFN 0203572			
DESIGNED	DRAWN	TRACED	CHECKED
RES	RES	RES	JRC
REVIEWED	DATE	REVISED	
	1/28/93		



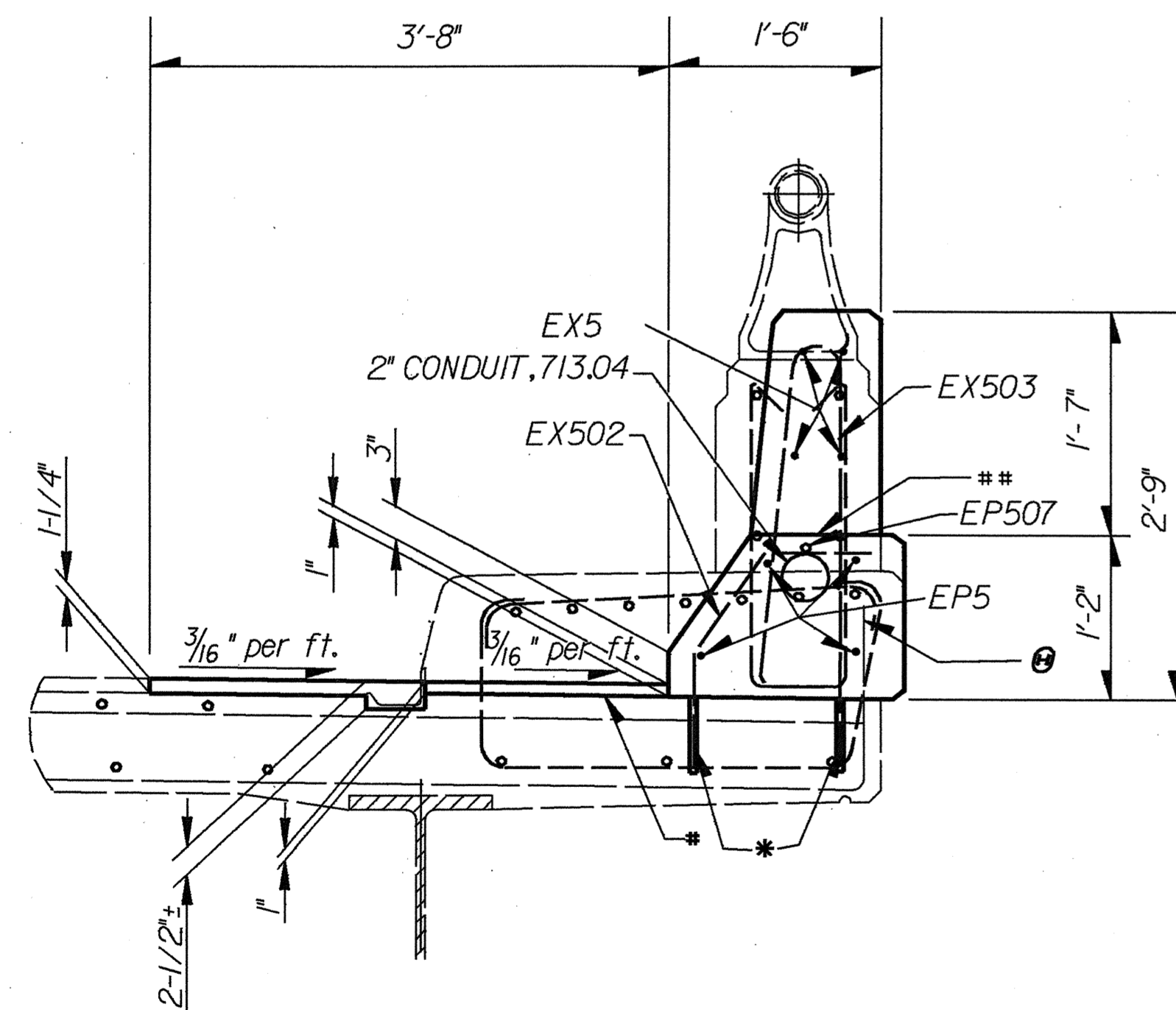
TYPICAL SECTION THRU EXISTING PARAPET ON STRUCTURE



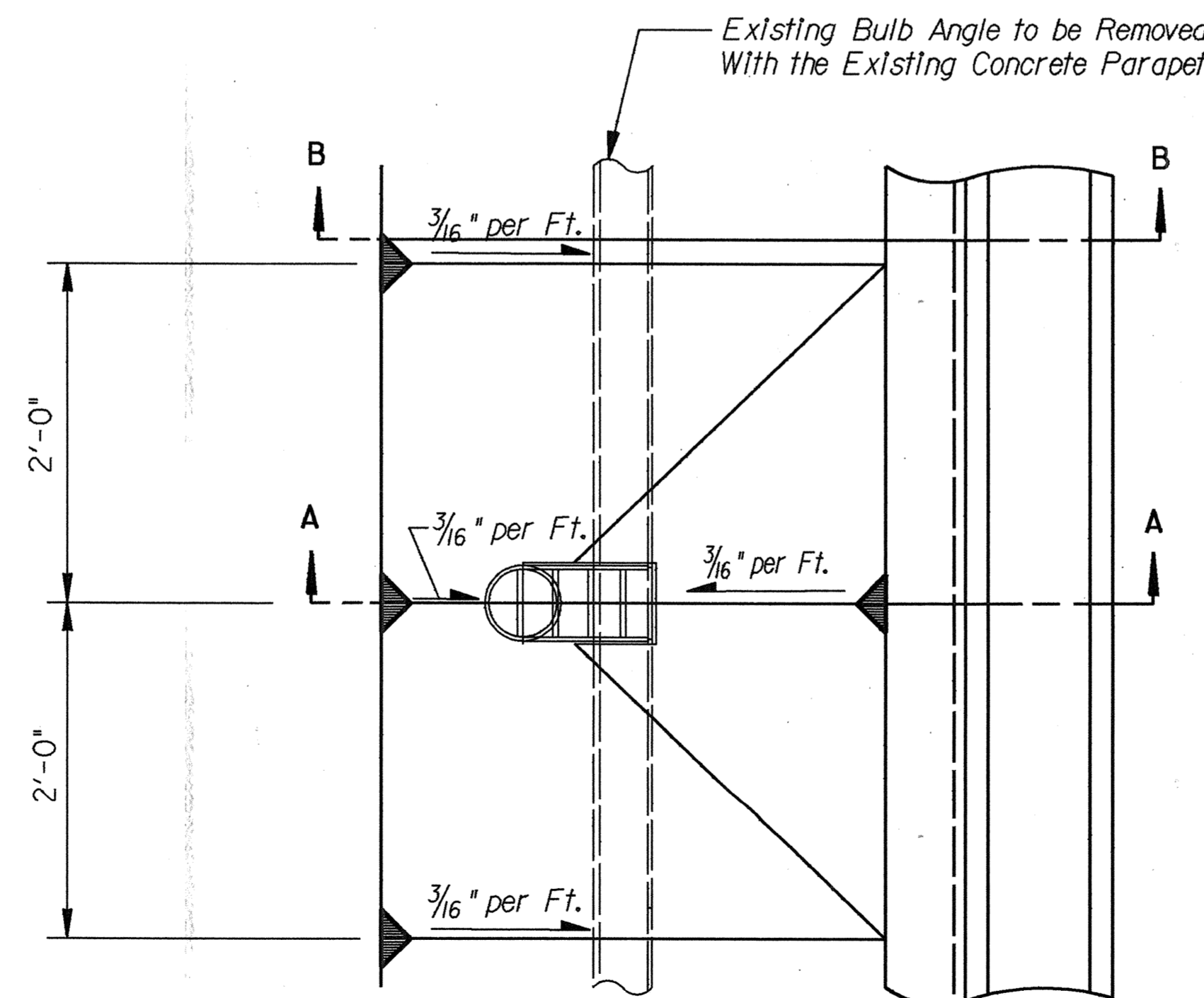
SECTION A-A
(Located at Exst. Scupper Locations)



DETAIL 'A'



SECTION B-B
TYPICAL SECTION THRU PROPOSED SAFETY SHAPE PARAPET ON STRUCTURE
(Located In Constant Width Deck Areas)



SCUPPER DETAIL PLAN VIEW

LEGEND

- 1 1/4" Existing Concrete Deck Overlay Removal (Paid as Item 202 Wearing Course Removed)
- Existing Concrete Parapet and Safety Curb to be Removed (202).
- Proposed Item 845 Latex Modified Concrete.
- \$ - Vertical Extension of Existing Scuppers
- * - Existing Construction Joint
- ** - Proposed Construction Joint
- @ - Save existing reinforcing bar and bend, (providing 2" clearance) if necessary, to incorporate it into the proposed vertical reinforcing wherever possible.
- β - Remove existing concrete Parapet and Curb to existing construction joint. Any existing exposed reinforcing steel not noted otherwise, shall be cut off even with the removal lines. Payment under Item 202, Portions of Structure Removed.
- * - Grout proposed reinforcing bars into holes drilled into existing concrete in accordance with Supplemental Specifications 852 & Spec. 705.20. Holes shall be 6" deep.
- ** - Varies From 1" min. at Normal Deck Slope of 3/16"/ft. towards Parapet Railing to 1-3/8" max. at Scupper Locations as shown at left.
- *** - EP507 centered over piers.

NOTES:

All bars shall maintain a 2" minimum clearance from outside edge of Parapet unless otherwise noted.

Drawings not to scale.

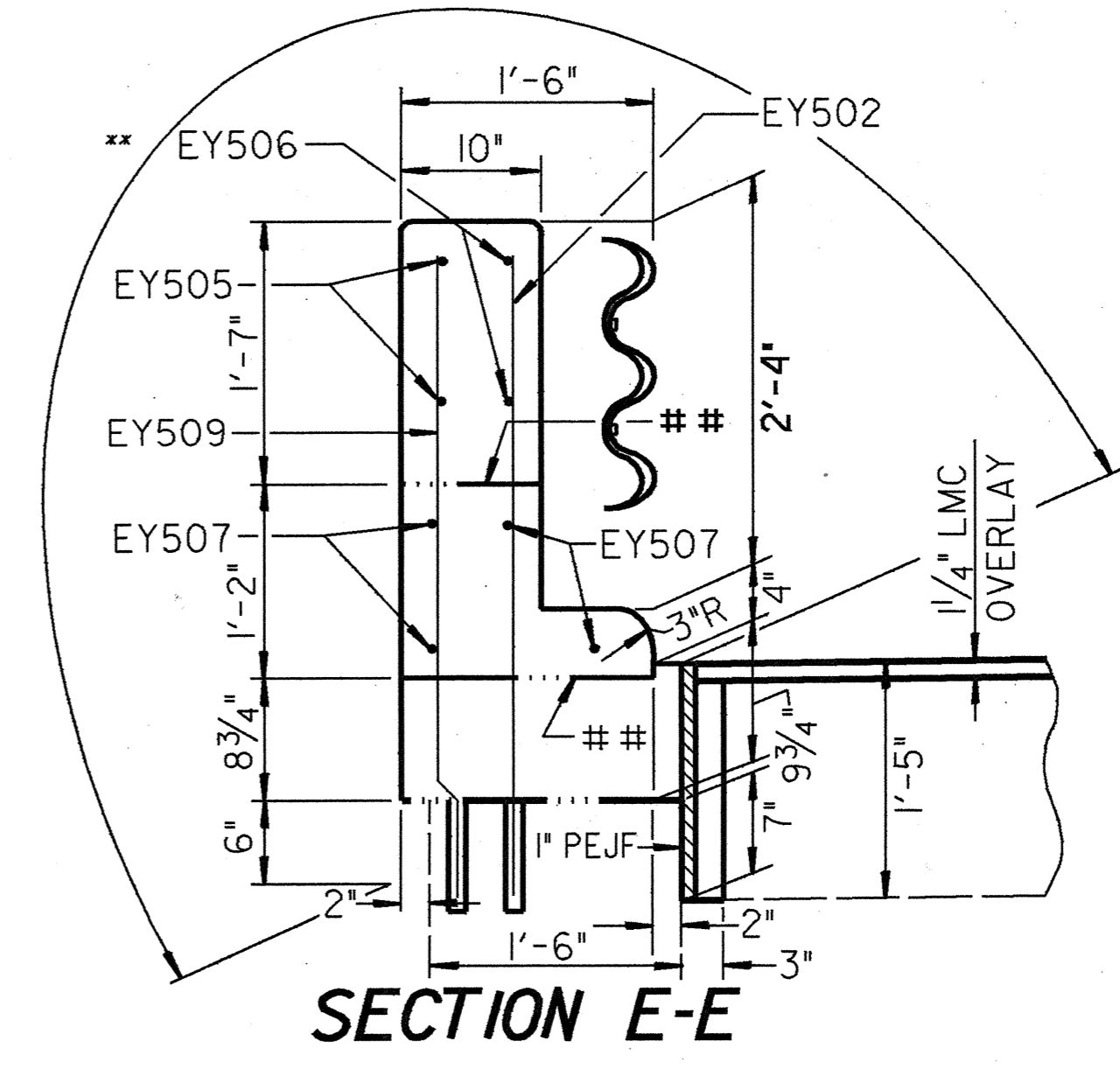
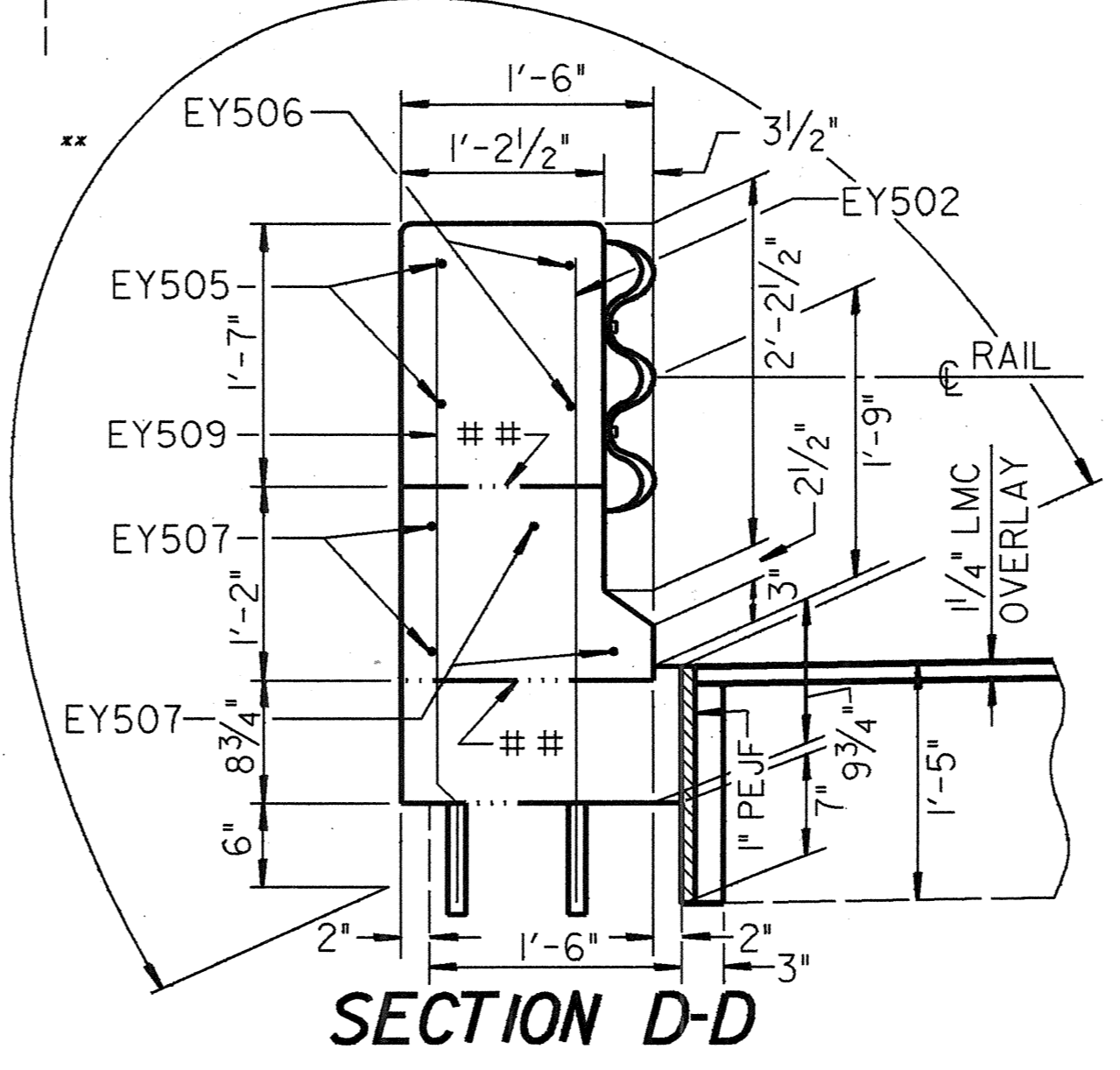
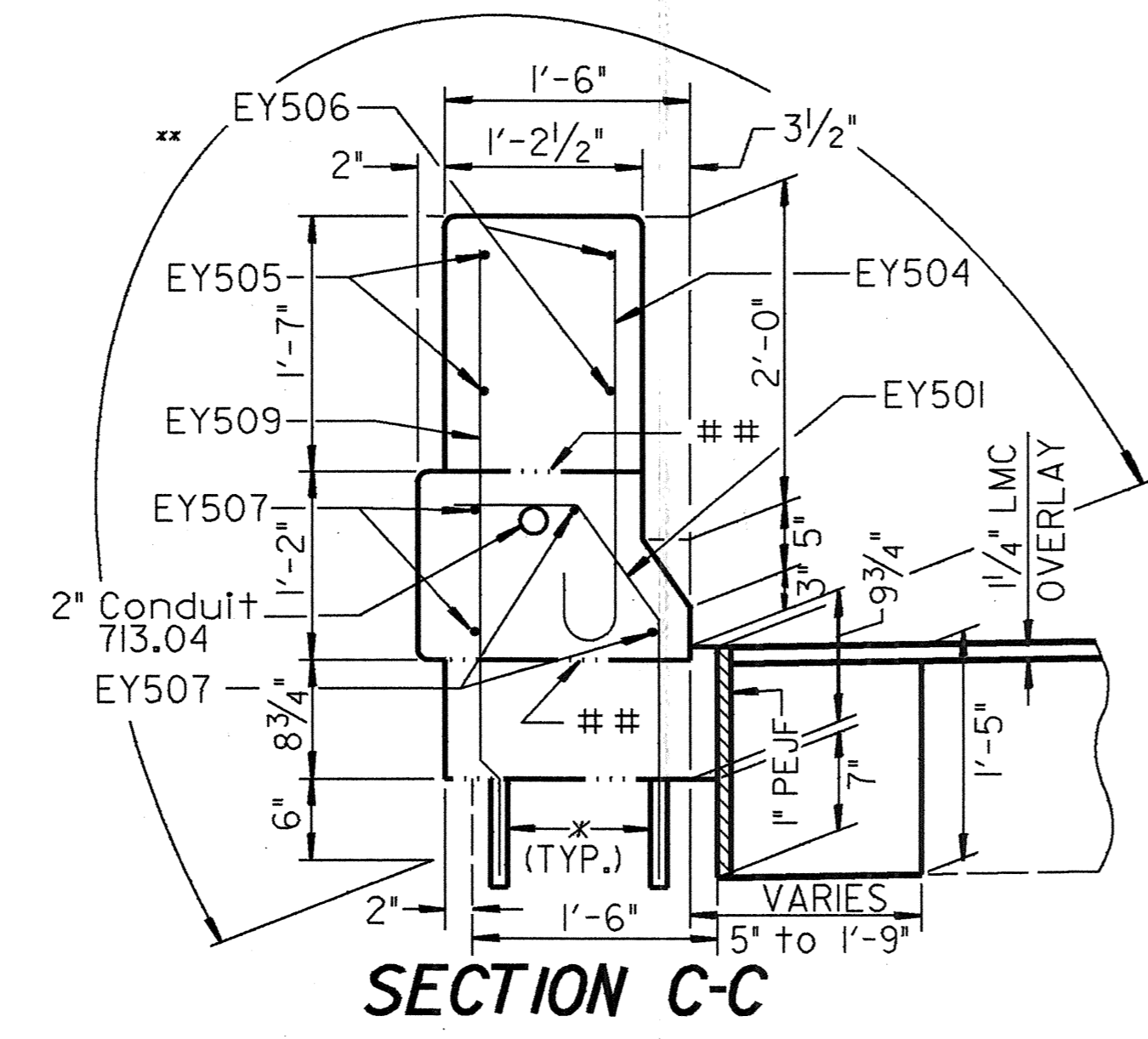
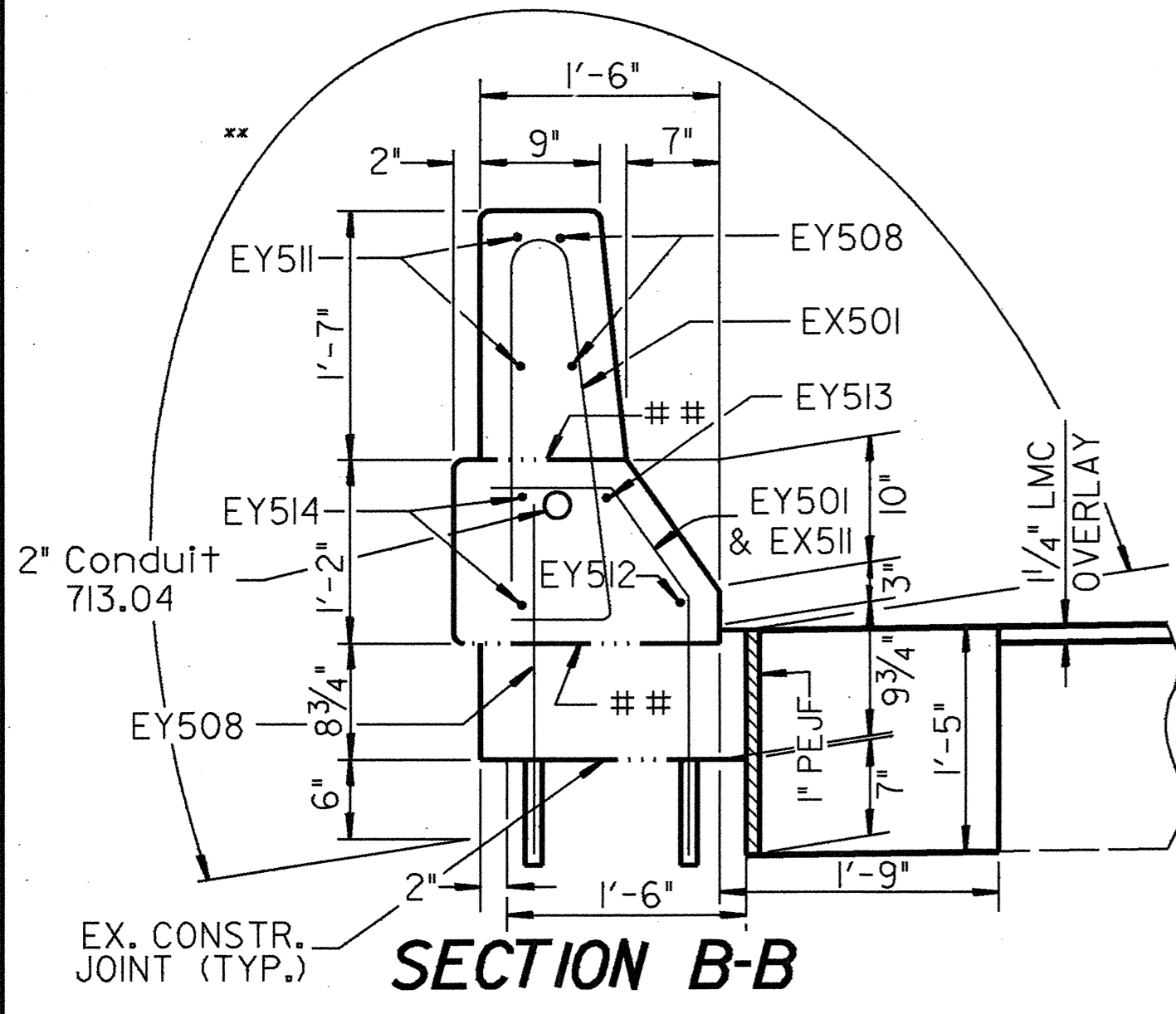
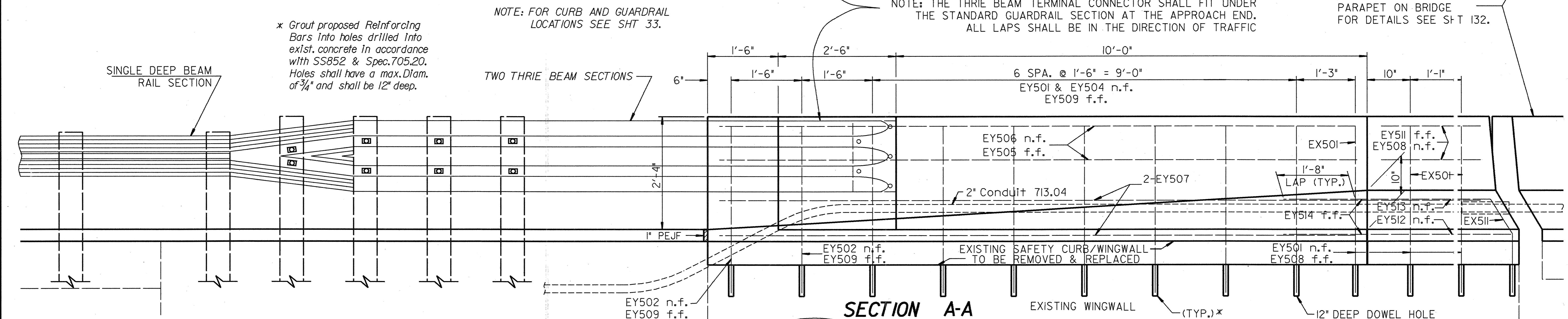
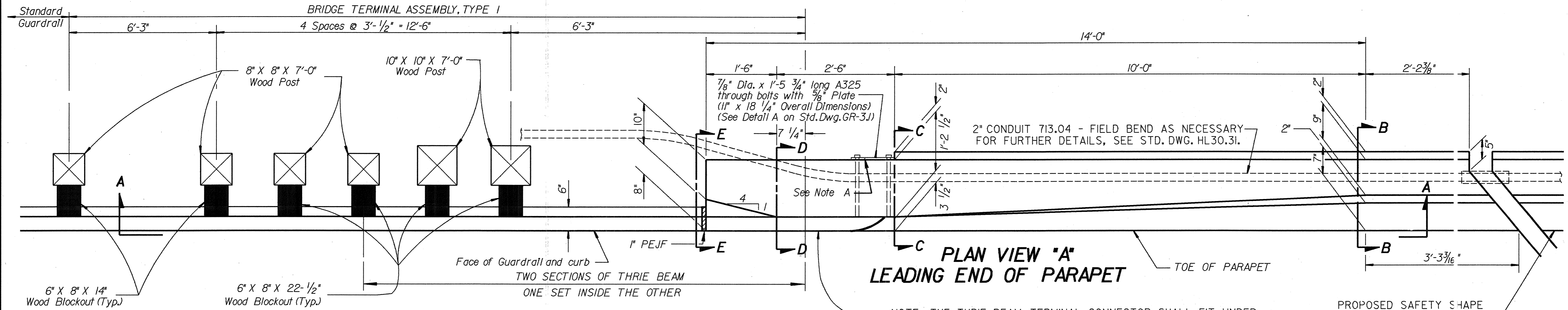
The top of the existing scupper shall be extended to the top of the proposed latex modified concrete overlay. The extension shall be paid under Item Special, Vertical Extension of Existing Scupper.

STATE OF OHIO		12 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN OFFICE			
PARAPET REMOVAL AND RECONSTRUCTION DETAILS			
Br. No. ALL-103-0130 S.R. 103 OVER NORFOLK SOUTHERN RAILROAD SFN 0203572			
DESIGNED	DRAWN	TRACED	CHECKED
RES	RES	RES	JSC
REVIEWED	DATE	REVISED	
JMK	1/28/93		

DESIGN FILE : i:\dgn\bentley\at7522pd3.dgn
USERNAME : rick

DATE : 27-JAN-1993
TIME : 12:28

NOTE A: SEAL 5/8" PLATE ALL AROUND WITH HYPALON. INCLUDE WITH ITEM 606, BRIDGE TERMINAL ASSEMBLY, TYPE I FOR PAYMENT.



LEGEND
 n.f. ~ NEAR FACE
 f.f. ~ FAR FACE
 ## ~ CONST. JOINT
 ** ~ Concrete surfaces to be sealed (Epoxy)

STATE OF OHIO DEPARTMENT OF TRANSPORTATION DISTRICT ONE PLANNING AND DESIGN OFFICE		13 / 15
NORTHEAST WINGWALL PARAPET DETAILS		
BR. NO. ALL-103-003C S.R.103 OVER NORFOLK SOUTHERN R.R. SFN 0203572		
DESIGNED RLS	DRAWN RLS	TRACED RLS
CHECKED JRL	REVIEWED JMK	DATE 1/28/82

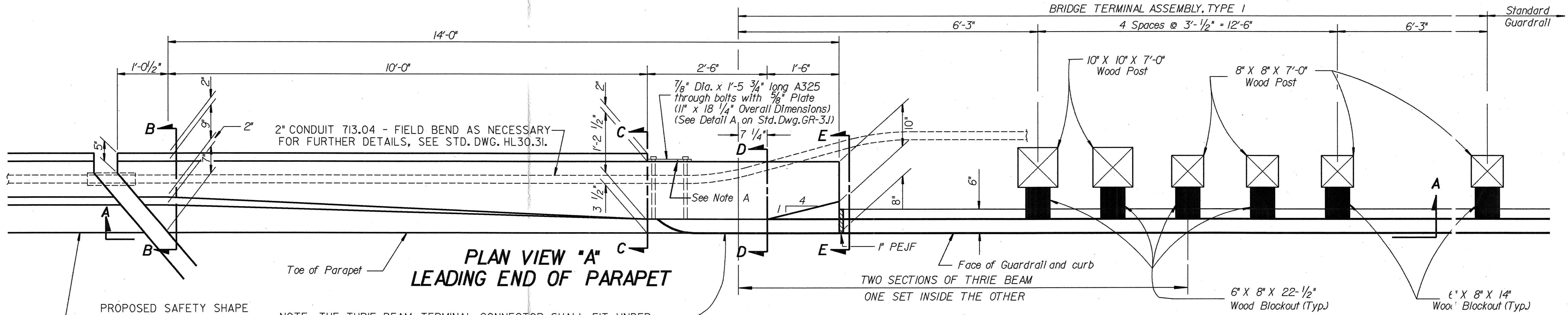
NOTE A: SEAL 5/8" PLATE ALL AROUND WITH HYPALON. INCLUDE WITH ITEM 606, BRIDGE TERMINAL ASSEMBLY, TYPE I FOR PAYMENT.

CALC BY
DATE
CHKD BY
DATE

ALLEN COUNTY
ALL-75-22/2

OHIO
FHWA REGION 5
136
137

BRIDGE TERMINAL ASSEMBLY, TYPE I

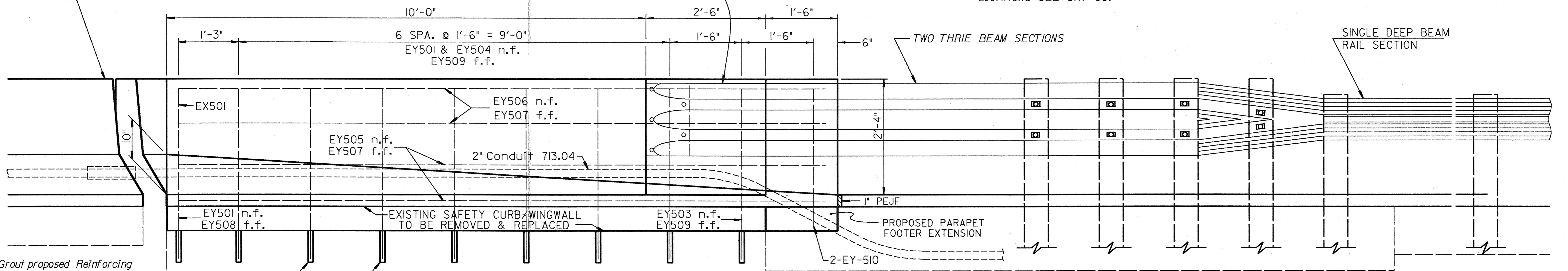


**PLAN VIEW "A"
LEADING END OF PARAPET**

PROPOSED SAFETY SHAPE PARAPET ON BRIDGE FOR DETAILS SEE SHT 131.

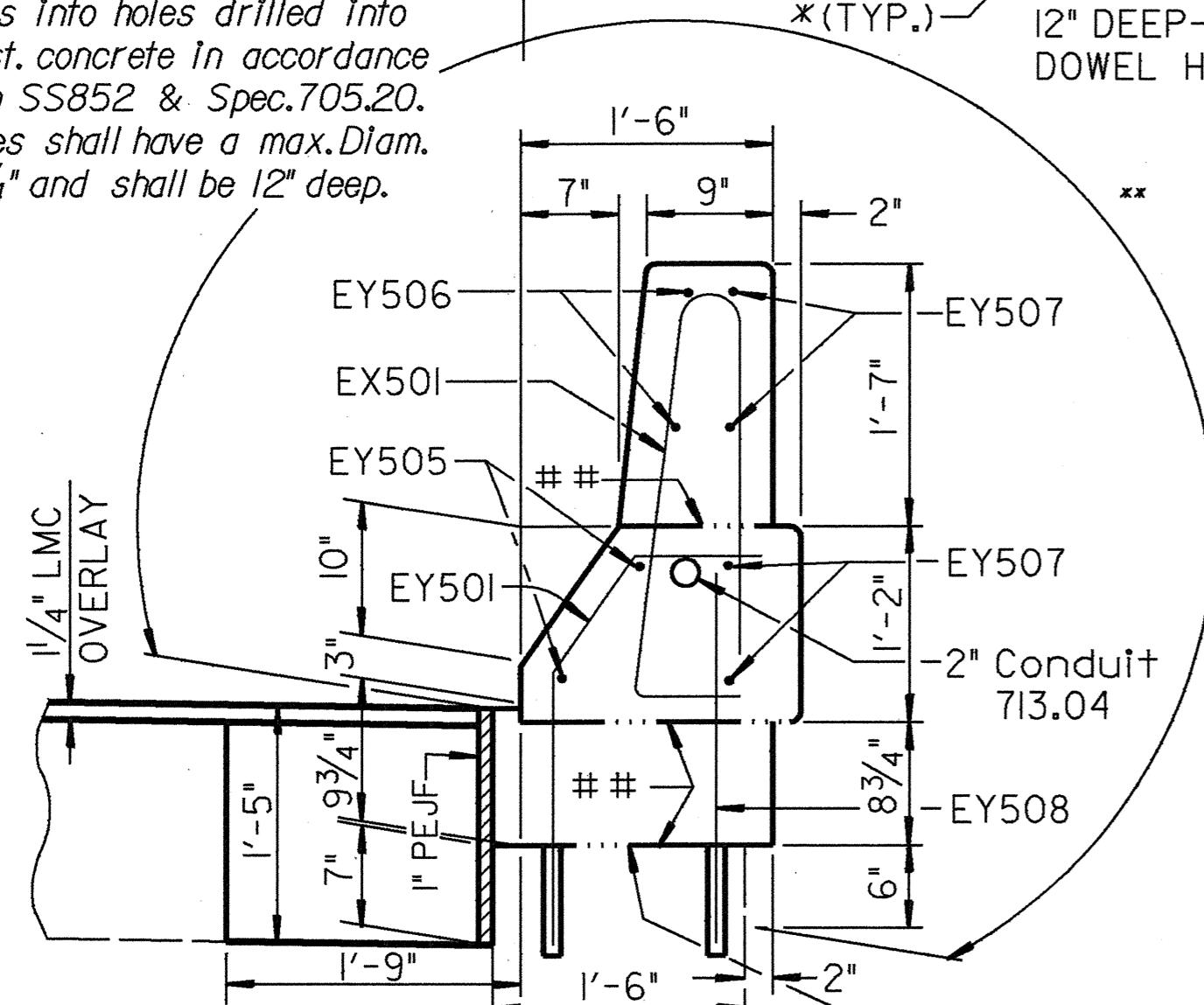
NOTE: THE THRIE BEAM TERMINAL CONNECTOR SHALL FIT UNDER THE STANDARD GUARDRAIL SECTION AT THE APPROACH END. ALL LAPS SHALL BE IN THE DIRECTION OF TRAFFIC

NOTE: FOR CURB AND GUARDRAIL LOCATIONS SEE SHT 33.

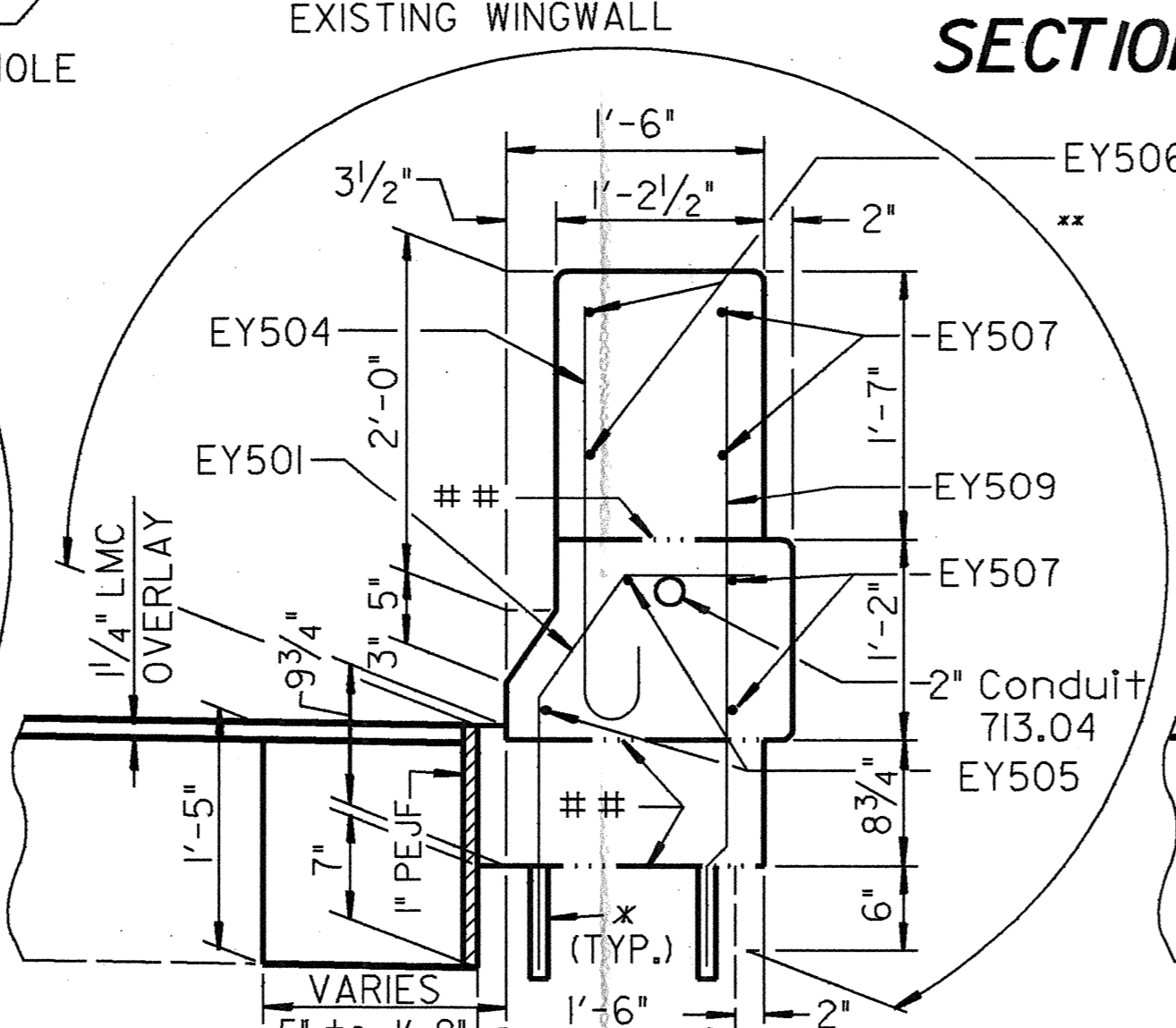


SECTION A-A

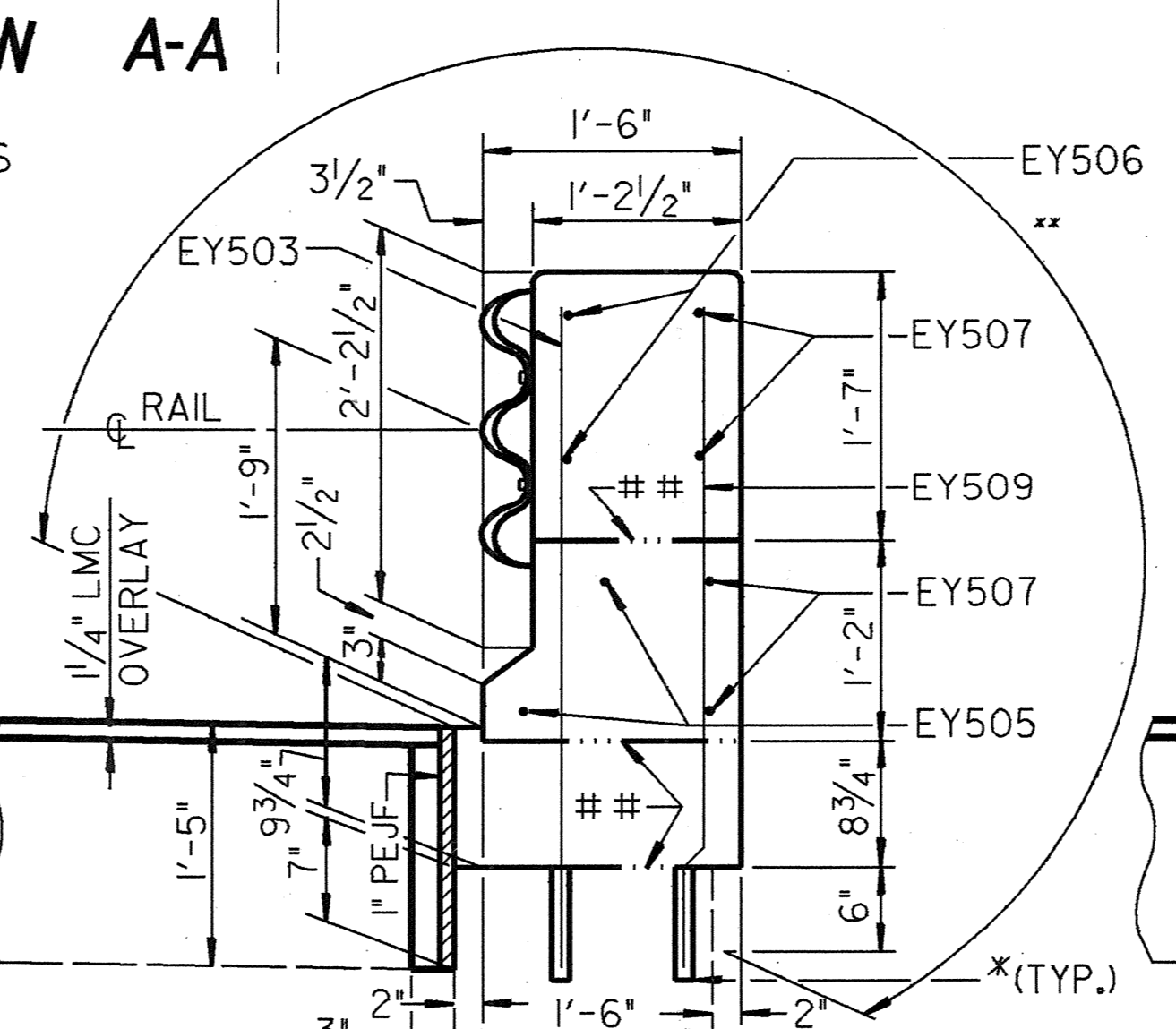
* Grout proposed Reinforcing Bars into holes drilled into exlst. concrete in accordance with SS852 & Spec.705.20. Holes shall have a max. Diam. of 3/4" and shall be 12" deep.



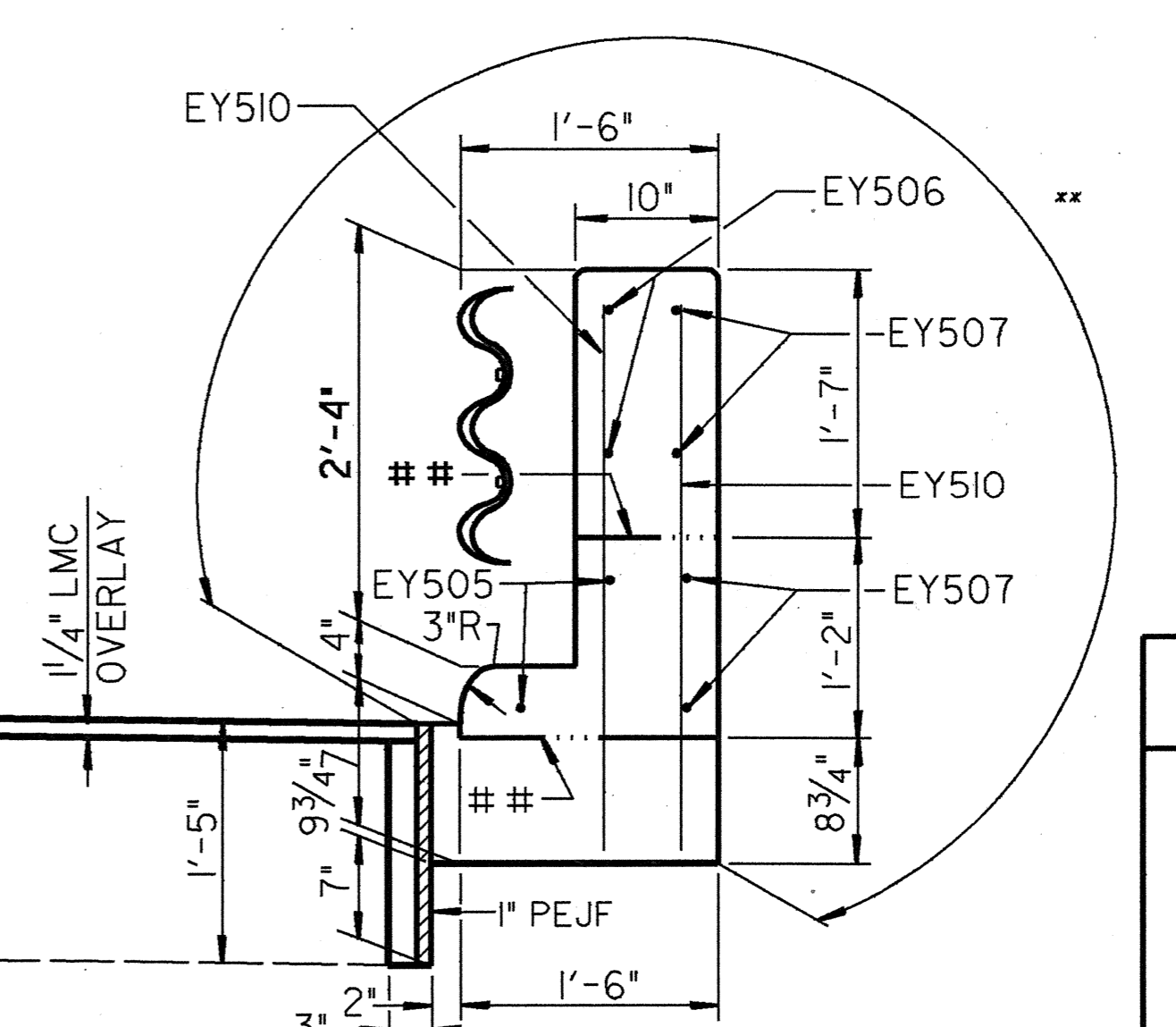
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

LEGEND

- n.f. ~ NEAR FACE
- f.f. ~ FAR FACE
- ** ~ CON'S R. JOINT
- ** ~ CONCRETE SURFACES TO BE SEALED (EPOXY)

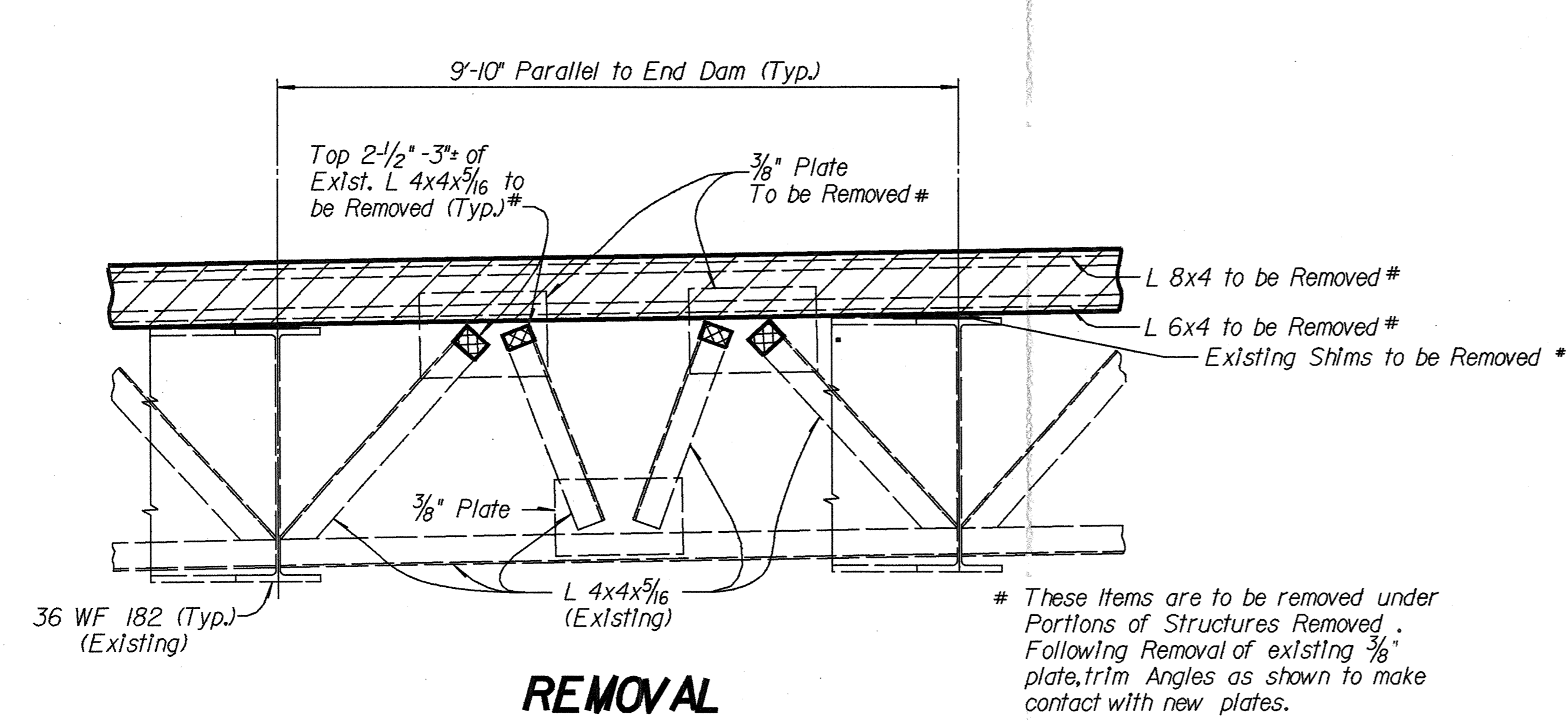
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT ONE PLANNING AND DESIGN OFFICE

**NORTHWEST WINGWALL
PARAPET DETAILS**


BR. NO. ALL-103-0037
S.R.103 OVER NORFOLK SOUTHERN R.R.
SFN 0203572

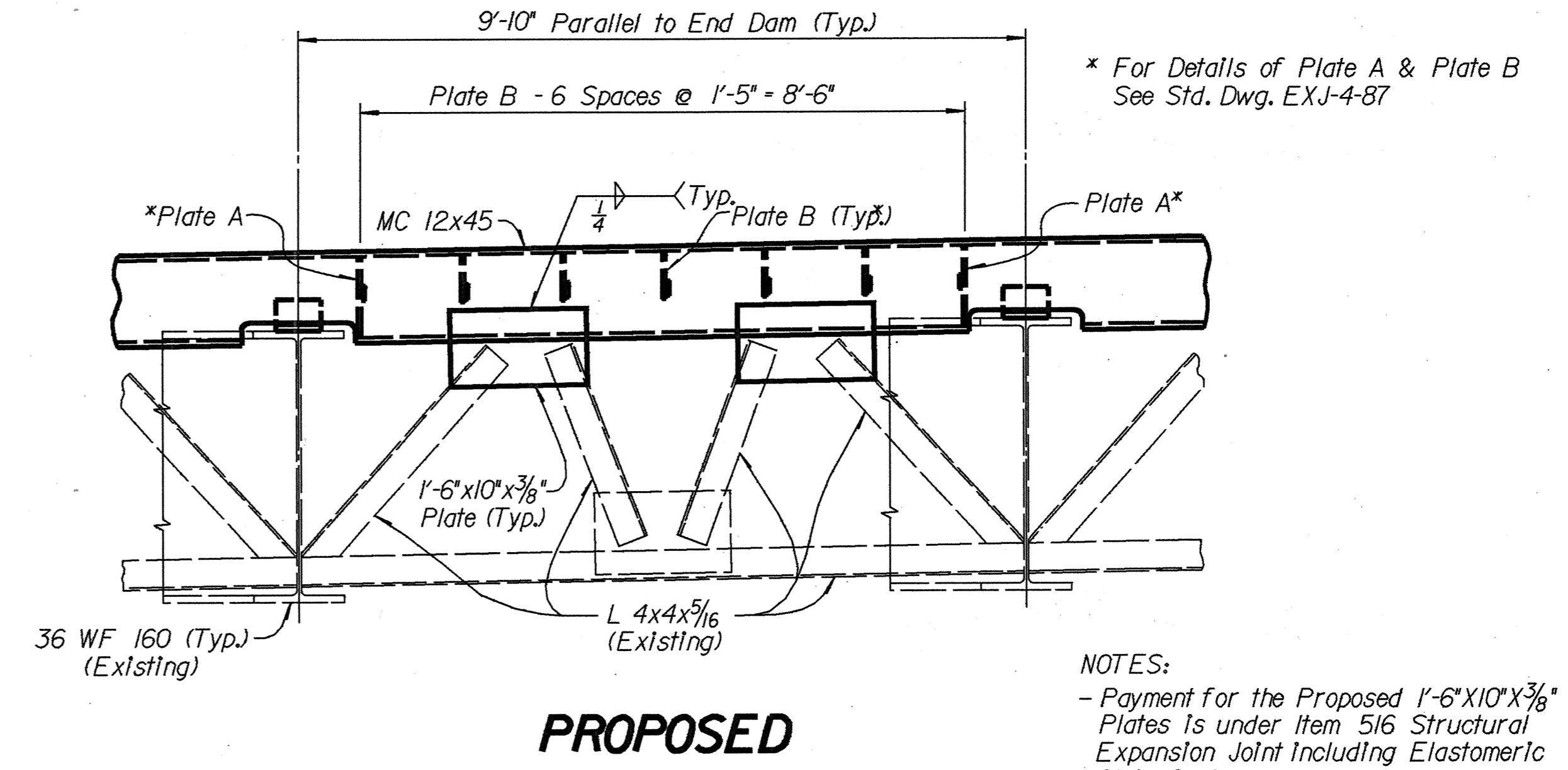
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
RLS	RLS	RLS	JTC	AMK	1/20/93	

END CROSSFRAME DETAILS



These Items are to be removed under Portions of Structures Removed. Following Removal of existing 3/8" plate, trim Angles as shown to make contact with new plates.

 ~ Portions of Structure Removed



* For Details of Plate A & Plate B See Std. Dwg. EXJ-4-87

NOTES:
 - Payment for the Proposed 1'-6" x 10" x 3/8" Plates is under Item 516 Structural Expansion Joint Including Elastomeric Strip Seal
 - Refer to Std. Dwgs. EXJ-4-87 & SD-1-69 for additional Details.

DESIGN FILE : I:\dgn\bentley\defmisc.dgn
 USERNAME : nick

DATE : 27-JAN-1993
 TIME : 13:44

STATE OF OHIO		15 / 15	
DEPARTMENT OF TRANSPORTATION			
DISTRICT ONE PLANNING AND DESIGN OFFICE			
MISCELLANEOUS DETAILS			
BRIDGE No. ALL-113-0030 OVER NORFOLK SOUTHERN RAILROAD SFN 0203572			
DESIGNED	DRAWN	TRACED	CHECKED
RLS	RLS	RLS	J.C.
REVIEWED	DATE	REVISED	
JMK	1/28/93		