

PROJECT: 5.6841016 M-95100

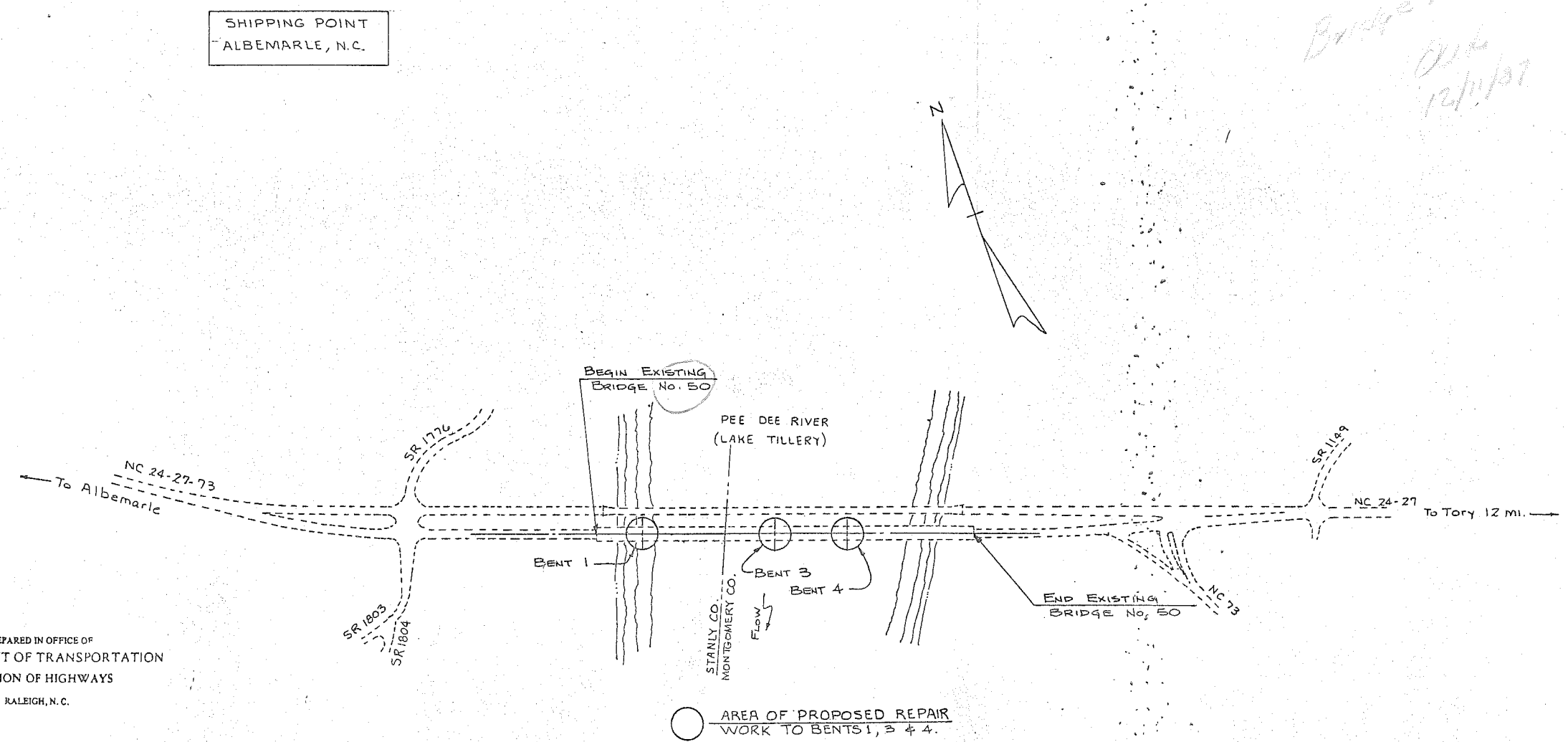
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
STANLY COUNTY

LOCATION: BRIDGE OVER PEE DEE RIVER ON NC 24-27-73.
TYPE OF WORK: REPAIR OF SEAL AT BENTS 1, 3 & 4.

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N. C.	5.6841016	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
5.6841016			

CONVENTIONAL SIGNS	
County Line	-----
City or Town Line	-----
Exist. Right of Way Line	-----
Right of Way Line	(R W)
Survey Line	-----
Property Line	-----
Exist. Fence	-----
Proposed Road	-----
Existing Road	-----
Railroad	-----
Control of Access Line	(C A)
Slope Stake Line	-----
Bridge	-----
Culvert	-----
Woods	(W) or (D) or (S) or (T)
Telephone or Telegraph Pole	(EXISTING -) (PROPOSED -O-)
Tower Pole and Line	-----
Power Pole	(EXISTING -) (PROPOSED -O-)
Proposed Right of Way Marker	-----
Existing Right of Way Marker	-----
Guard Rail	-----
Sanitary Sewer Line	SS SS
Water Line	-----
Gas Line	GAS
Proposed Woven Wire Fence	-----
Proposed Chain Link Fence	-----
Easement Line	-----

STRUCTURES



PREPARED IN OFFICE OF
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N. C.

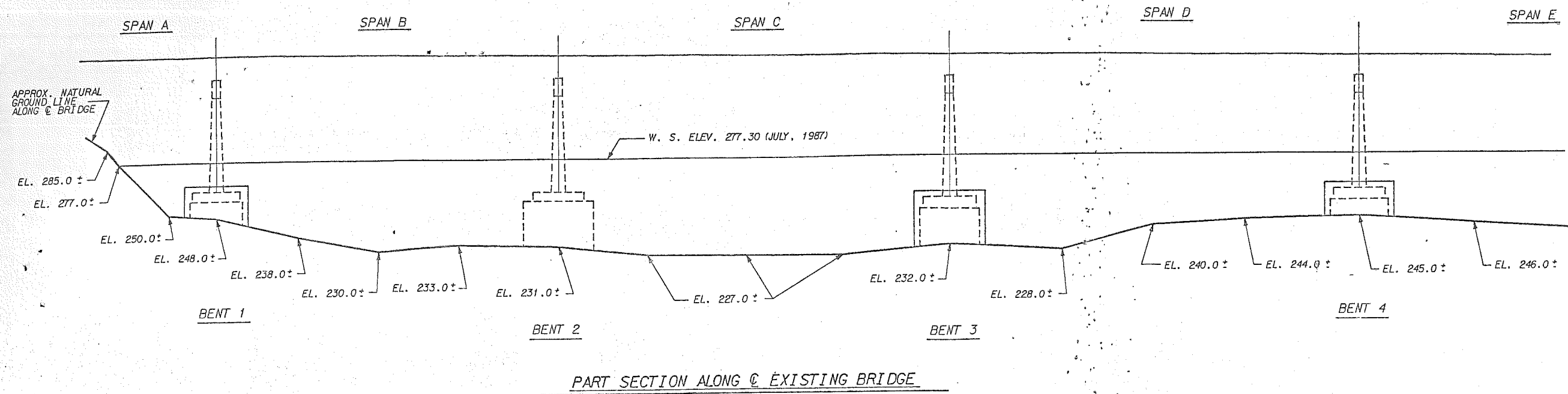
PLANS PREPARED BY: STRUCTURE DESIGN UNIT
PROJECT ENGINEER : N. C. SPIVEY
PROJECT DESIGN ENGINEER : D. E. PETREY

LETTING DATE: DECEMBER 15, 1987

1984 STANDARD SPECIFICATIONS



DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA	
APPROVED: <i>J. J. Penick, Jr.</i>	P. E.
MANAGER, HIGHWAY DESIGN BRANCH	
APPROVED: <i>E. M. E. B.</i>	
CHIEF ENGINEER - OPERATIONS	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED: _____	DATE _____
DIVISION ADMINISTRATOR	



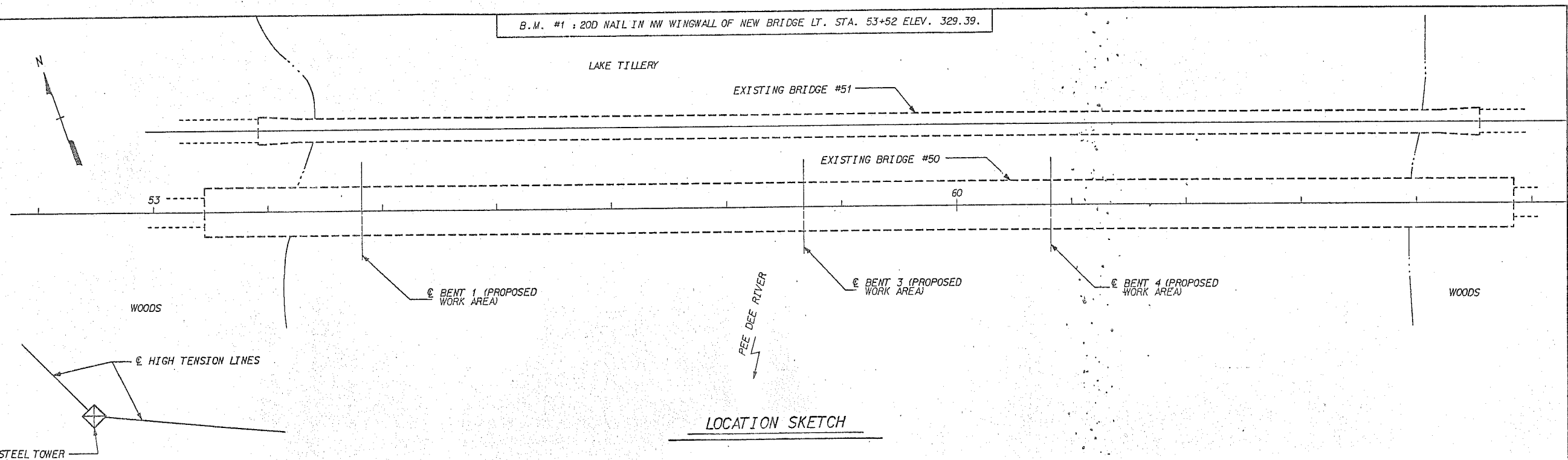
— NOTES —

FOR COFFERDAMS, SEE SPECIAL PROVISIONS.

FOR CLASS "S" CONCRETE, SEE SPECIAL PROVISIONS.

ALL REINFORCING STEEL SHALL BE GRADE 60.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.



FOR BRIDGE #50

PROJECT NO. 5.6841016

STANLY COUNTY

STATION: _____

— TOTAL BILL OF MATERIAL —

	COFFERDAM	CLASS "S" CONCRETE	REINFORCING STEEL
	LUMP SUM	LUMP SUM	LBS.
BENT 1	LUMP SUM	LUMP SUM	32,712
BENT 3	LUMP SUM	LUMP SUM	38,793
BENT 4	LUMP SUM	LUMP SUM	34,668
TOTAL	LUMP SUM	LUMP SUM	106,173

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING FOR
BRIDGE OVER PEE DEE RIVER
ON NC24/27
BETWEEN ALBEMARLE AND TROY

JULY 1987

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

DRAWN BY: F. C. JONES DATE: 7/23/87

CHECKED BY: D.E. Petrey DATE: 8/11/87

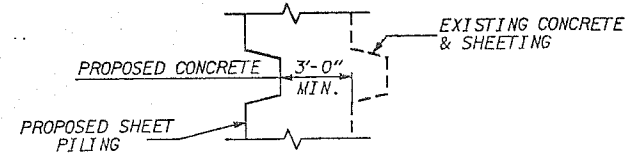
CADD 160550GDR

NOTES

EXISTING LOW BRIDGE SEAT ELEVATION
IS EL. 320.57

TOP OF EXISTING FOOTING ELEVATION
IS EL. 262.15

FOR CLASS "S" CONCRETE, SEE
SPECIAL PROVISIONS.



SKETCH SHOWING CONCRETE
PLACEMENT

BILL OF MATERIAL

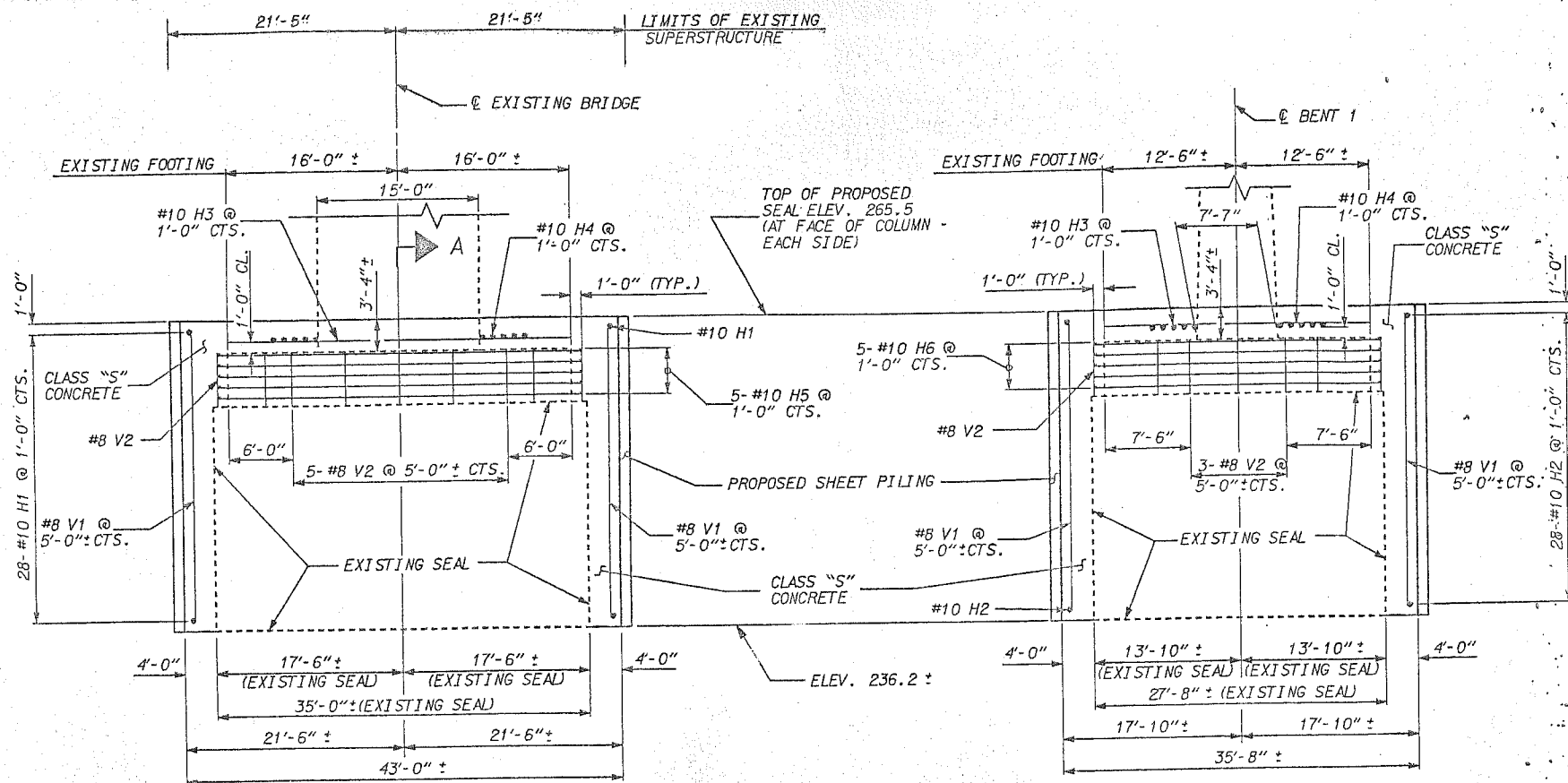
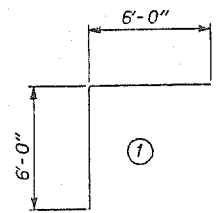
BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	132	10	1	12'-0"	6.816
H1	56	10	STR	33'-8"	8.113
H2	56	10	STR	41'-0"	9.880
H3	10	10	STR	32'-0"	1.377
H4	10	10	STR	25'-0"	1.076
H5	10	10	STR	34'-0"	1.463
H6	10	10	STR	27'-0"	1.162
V1	34	8	STR	27'-0"	2.451
V2	28	8	STR	5'-0"	374

REINFORCING STEEL	LBS.	32,712
CLASS "S" CONCRETE	LUMP SUM	

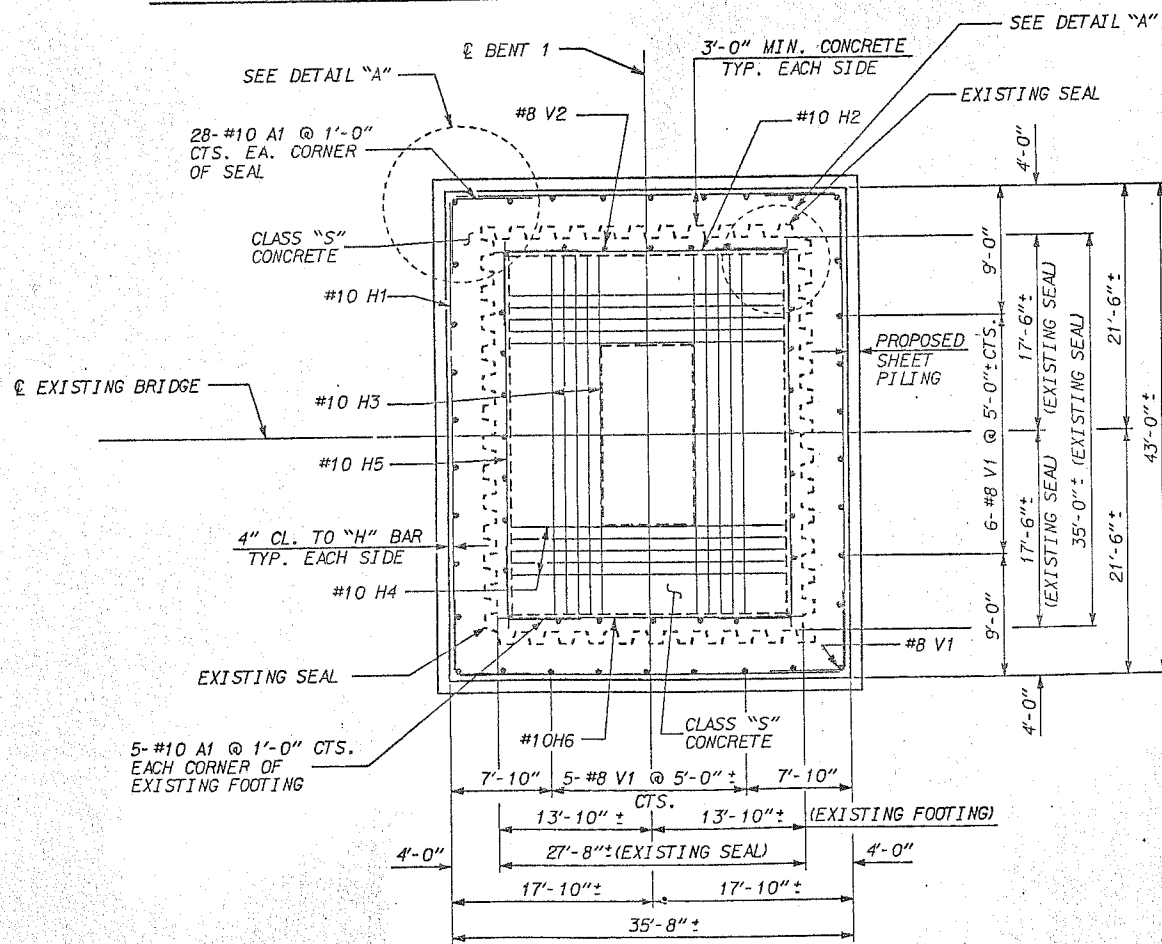
BAR TYPE

DIMENSIONS ARE OUT TO OUT.

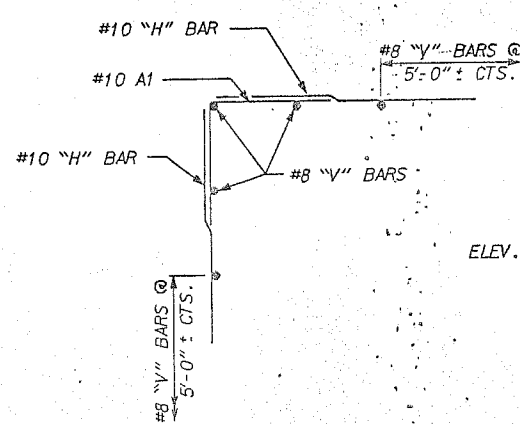


ELEVATION VIEW BENT 1

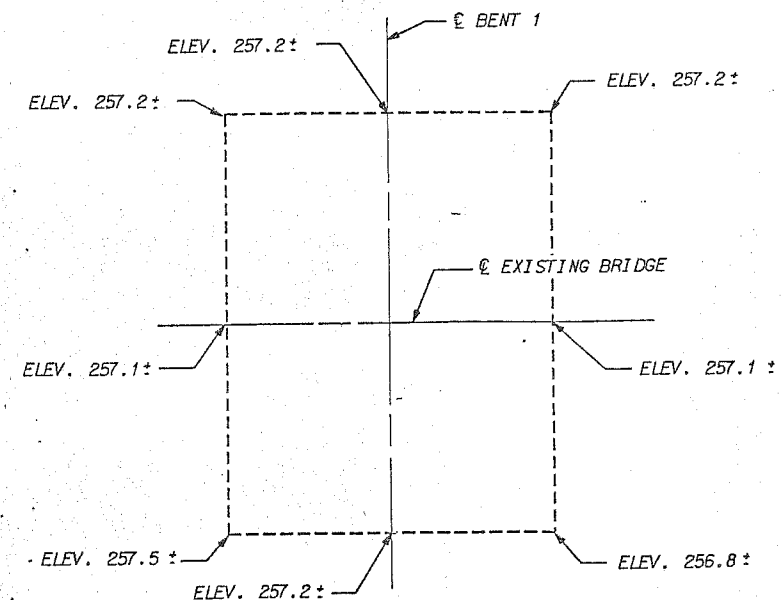
SECTION A-A



PLAN



DETAIL "A"



SKETCH SHOWING ELEVATIONS
@ TOP OF EXISTING SEAL

PROJECT NO. 5.6841016

STANLY COUNTY

STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DETAILS FOR SEAL
REPAIR @
BENT 1

JULY 1987

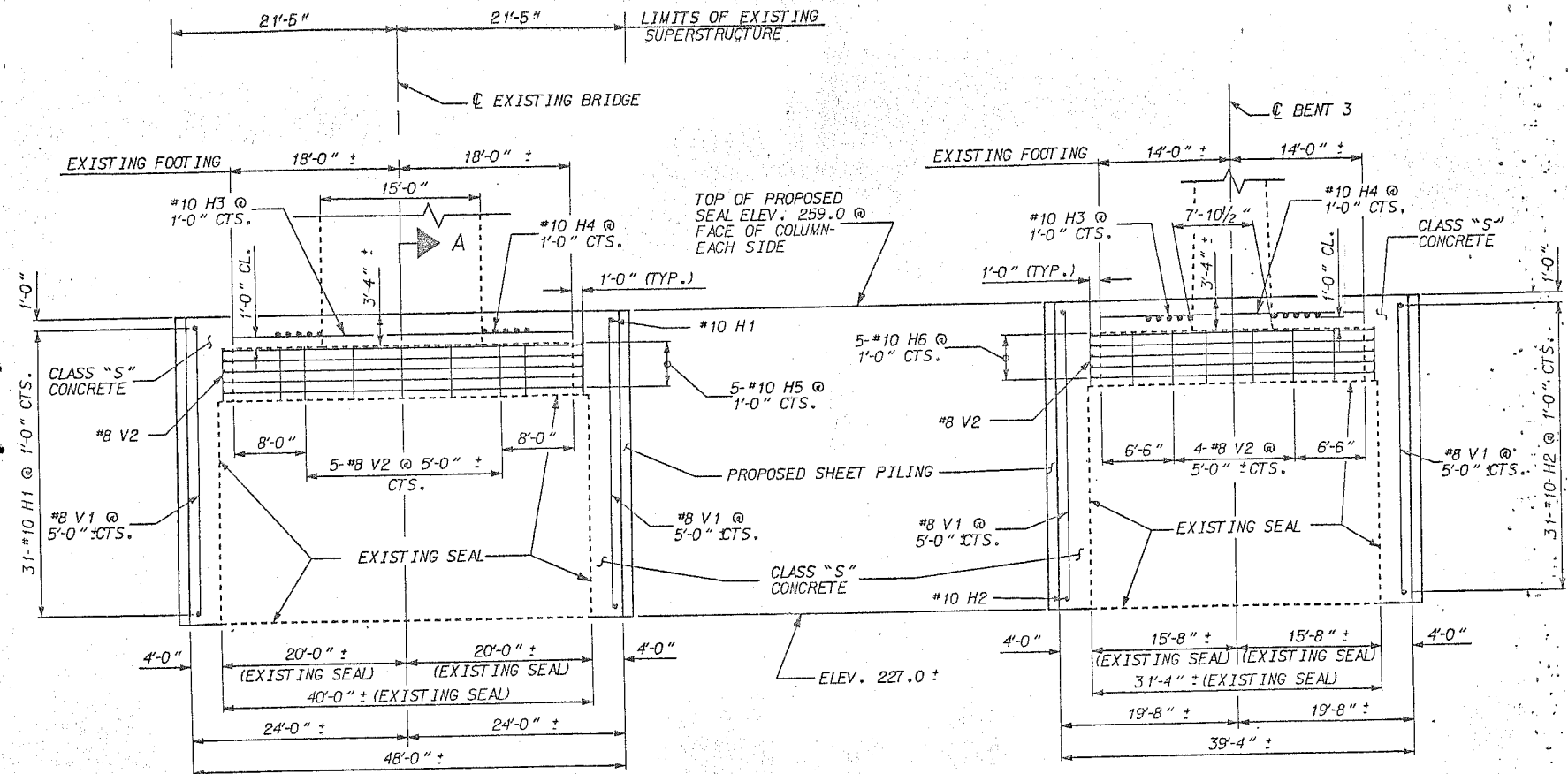
NO.	BY	DATE	NO.	BY	DATE	SHEET NO.
1			3			5-2
2			4			TOTAL SHEETS

NOTES

EXISTING LOW BRIDGE SEAT ELEVATION IS EL. 318.61.

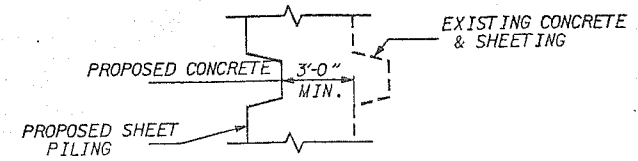
TOP OF EXISTING FOOTING ELEVATION IS EL. 255.64.

FOR CLASS "S" CONCRETE, SEE SPECIAL PROVISIONS.



ELEVATION VIEW BENT 3

SECTION A-A



SKETCH SHOWING CONCRETE PLACEMENT

BILL OF MATERIAL BENT 3

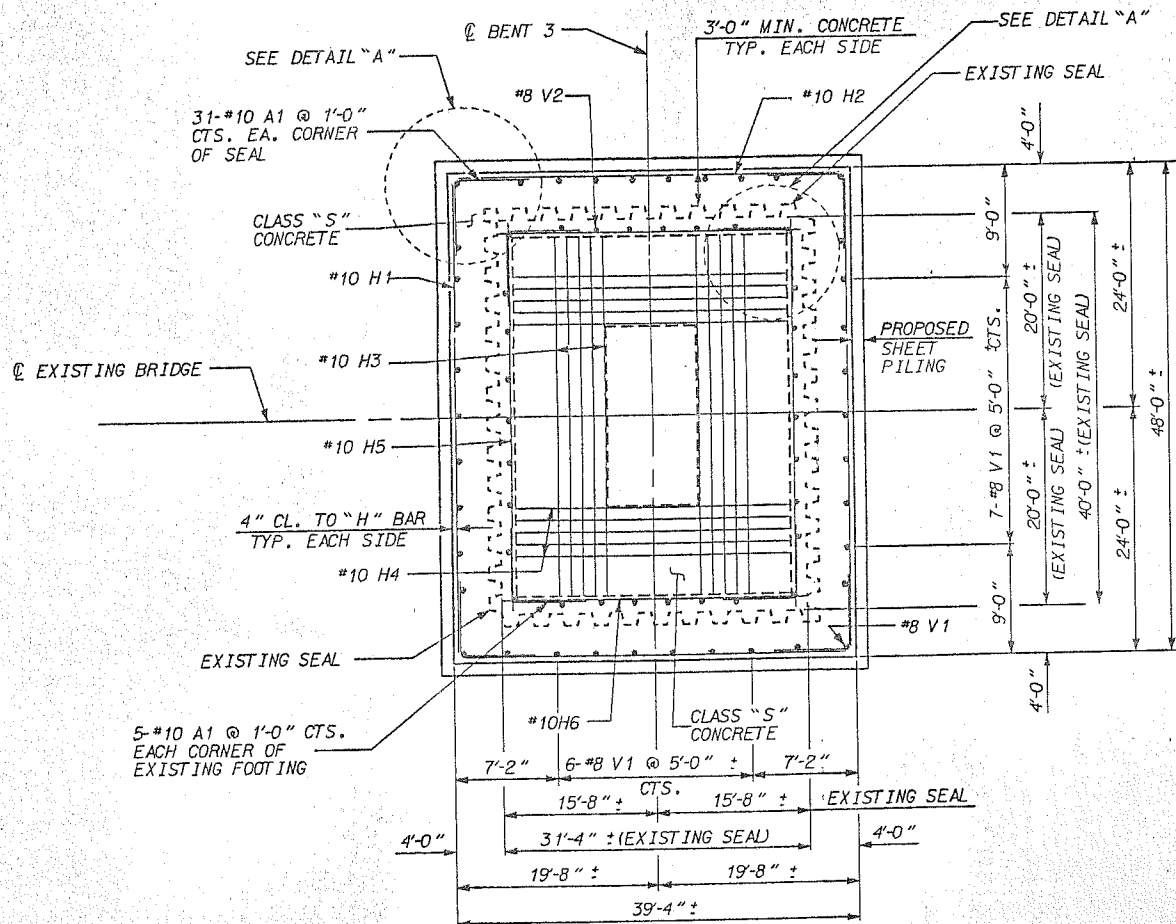
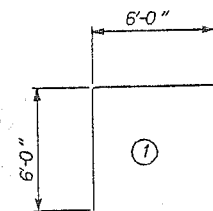
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	144	10	1	12'-0"	7,436
H1	62	10	STR	37'-4"	9,960
H2	62	10	STR	46'-0"	12,272
H3	10	10	STR	36'-0"	1,549
H4	10	10	STR	28'-0"	1,205
H5	10	10	STR	38'-0"	1,635
H6	10	10	STR	30'-0"	1,291
V1	38	8	STR	30'-0"	3,044
V2	30	8	STR	5'-0"	401

REINFORCING STEEL LBS. 38,793

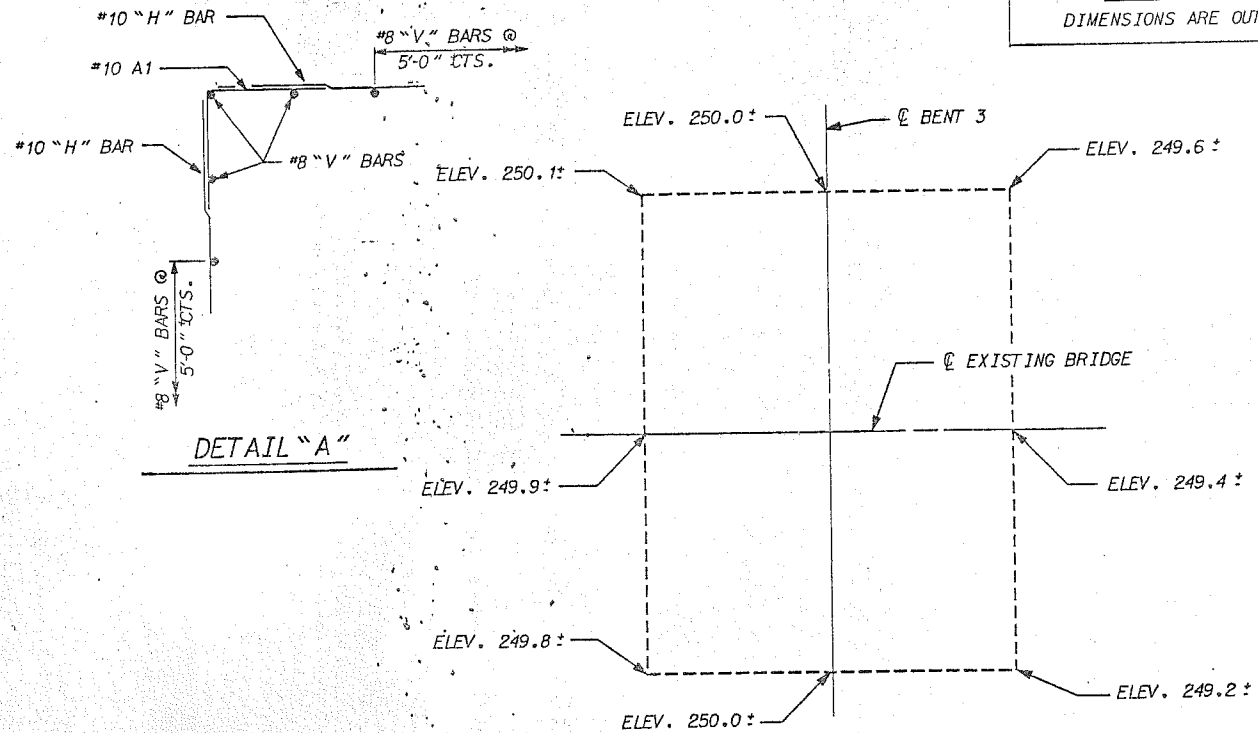
CLASS "S" CONCRETE LUMP SUM

BAR TYPE

DIMENSIONS ARE OUT TO OUT.



PLAN



SKETCH SHOWING ELEVATIONS @ TOP OF EXISTING SEAL

PROJECT NO. 5.6841016

STANLY COUNTY

STATION: _____

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

DETAILS FOR SEAL REPAIR @ BENT 3

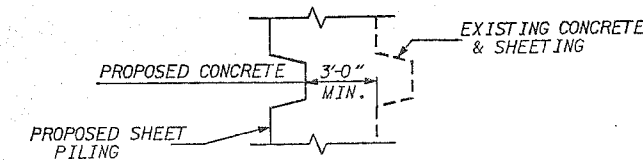
JULY				1987			
REVISIONS				SHEET NO.			
NO.	BY	DATE	NO.	BY	DATE	S-3	
1			3			TOTAL SHEETS	
2			4			4	

NOTES

EXISTING LOW BRIDGE SEAT ELEVATION
IS EL. 317.43.

TOP OF EXISTING FOOTING ELEVATION
IS EL. 259.07.

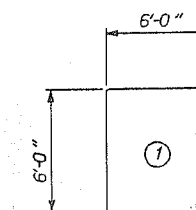
FOR CLASS "S" CONCRETE, SEE
SPECIAL PROVISIONS.



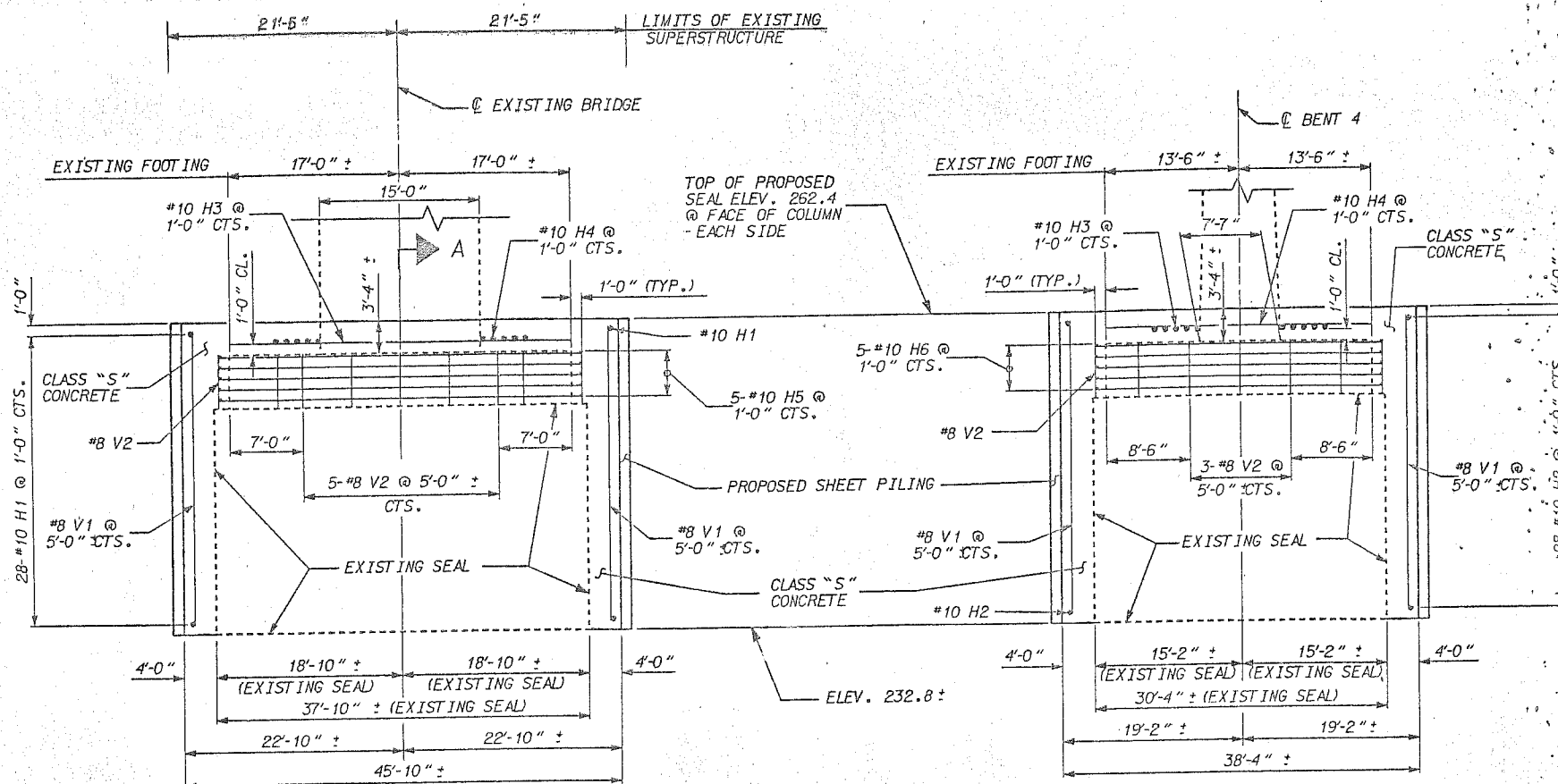
SKETCH SHOWING CONCRETE
PLACEMENT

BILL OF MATERIAL

BENT 4					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	132	10	1	12'-0"	6,816
H1	56	10	STR	36'-4"	8,755
H2	56	10	STR	43'-10"	10,562
H3	10	10	STR	34'-0"	1,463
H4	10	10	STR	27'-0"	1,162
H5	10	10	STR	36'-0"	1,549
H6	10	10	STR	29'-0"	1,248
V1	38	8	STR	27'-0"	2,739
V2	28	8	STR	5'-0"	374
REINFORCING STEEL				LBS.	34,668
CLASS "S" CONCRETE				LUMP SUM	

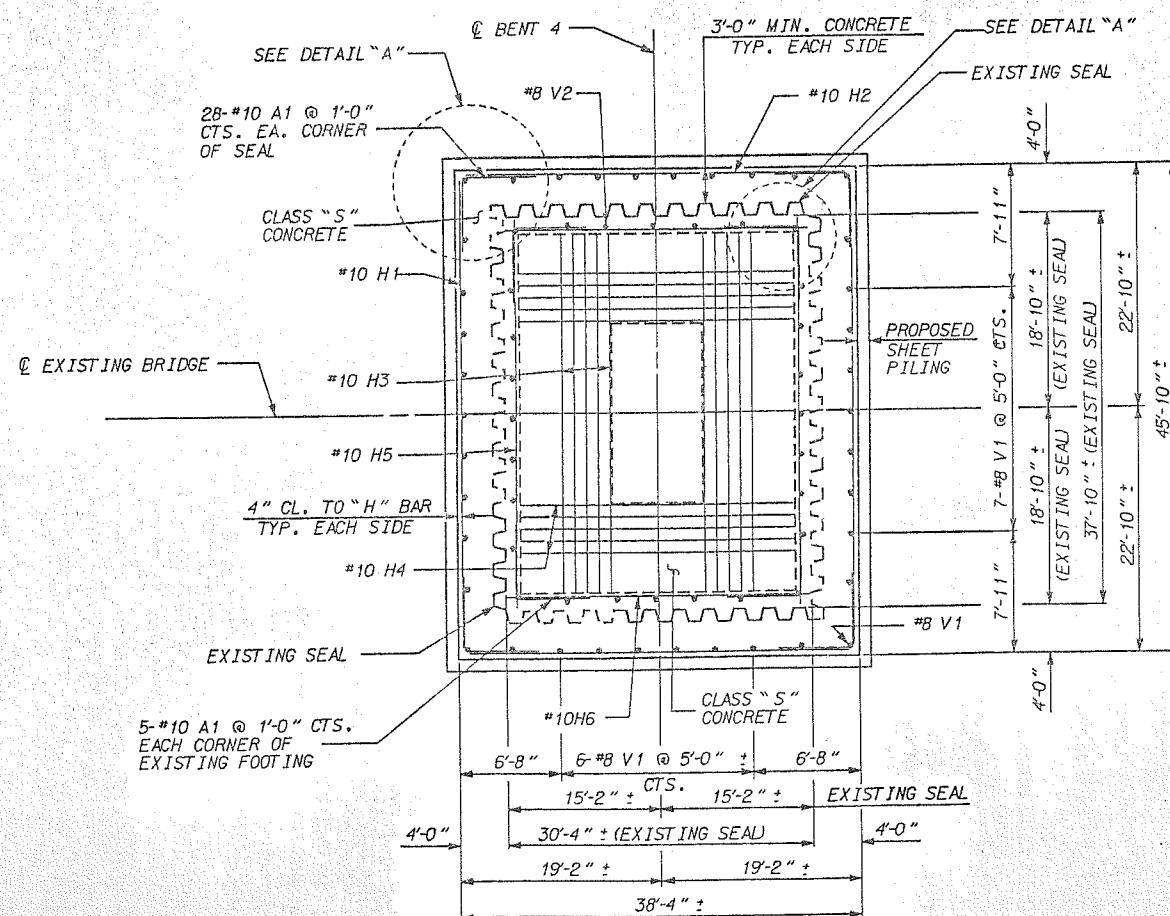


BAR TYPE
DIMENSIONS ARE OUT TO OUT.

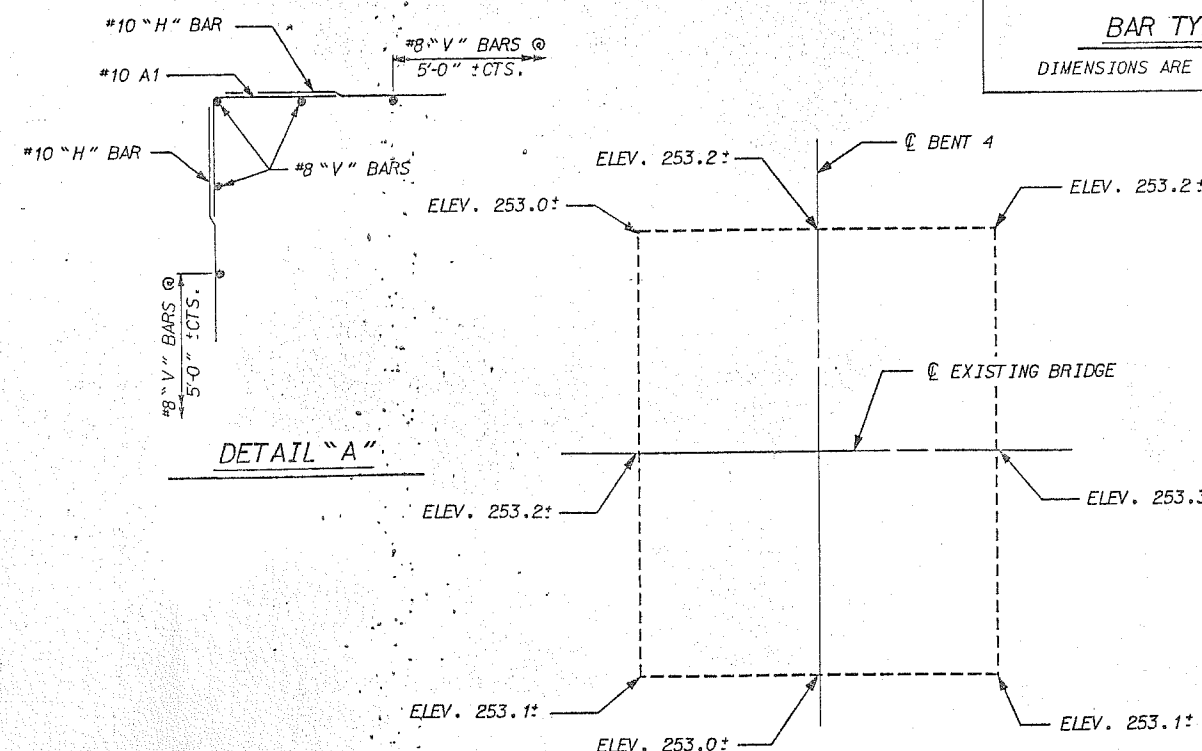


ELEVATION VIEW BENT 4

SECTION A-A



PLAN



DETAIL "A"

SKETCH SHOWING ELEVATIONS
@ TOP OF EXISTING SEAL

PROJECT NO. 5.6841016
STANLY COUNTY
STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DETAILS FOR SEAL REPAIR @ BENT 4

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

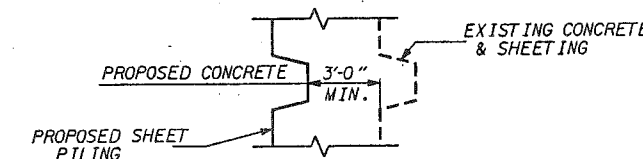
1987
SHEET NO.
S-4
TOTAL SHEETS
4

NOTES

EXISTING LOW BRIDGE SEAT ELEVATION
IS EL. 316.33.

TOP OF EXISTING FOOTING ELEVATION
IS EL. 267.65.

FOR CLASS "S" CONCRETE, SEE
SPECIAL PROVISIONS.

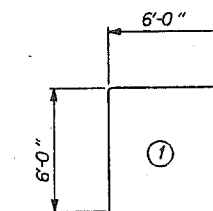


SKETCH SHOWING CONCRETE
PLACEMENT

BILL OF MATERIAL BENT 5

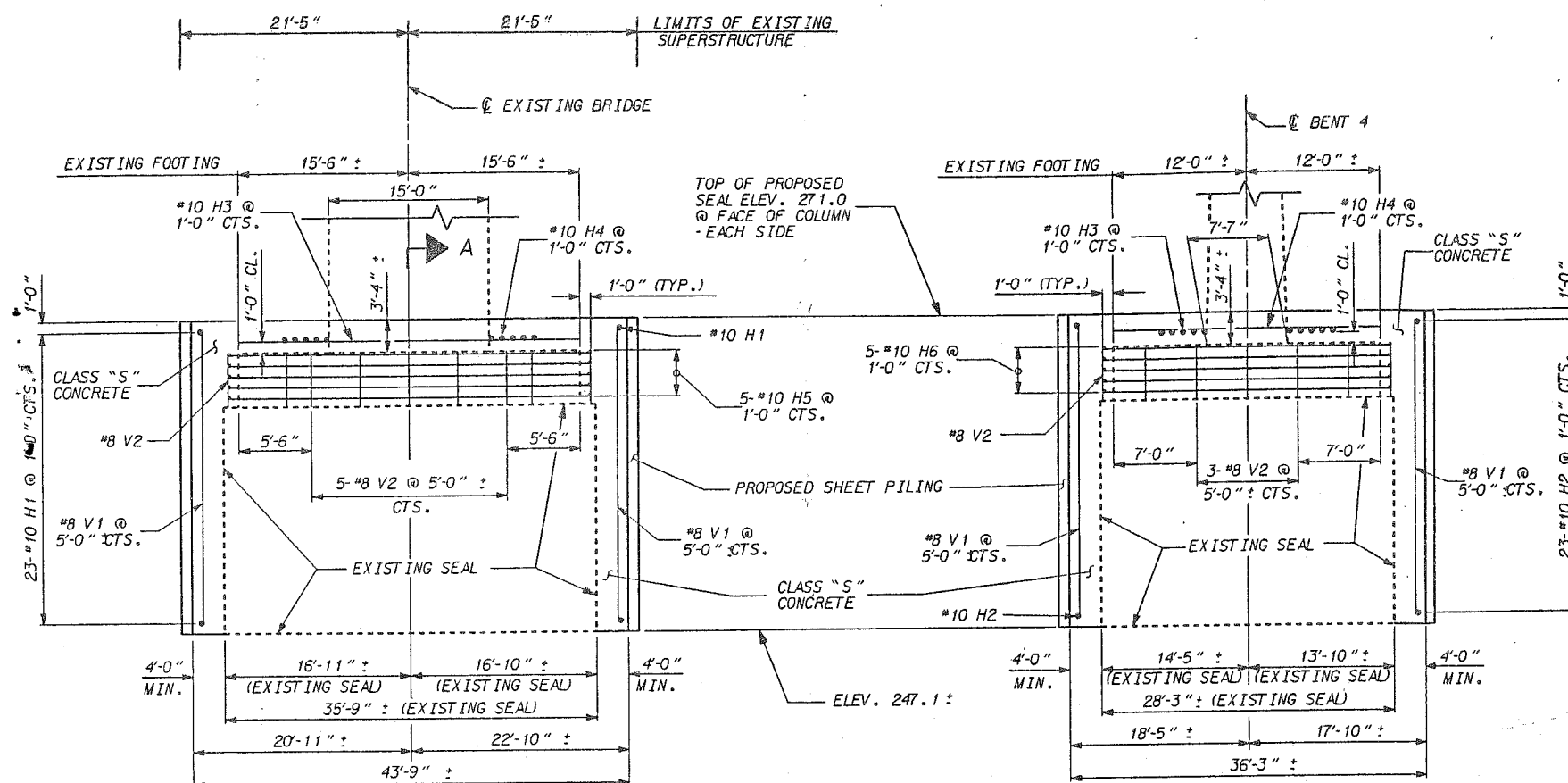
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	92	10	I	12'-0"	4,751
H1	46	10	STR	35'-7"	7,043
H2	46	10	STR	43'-1"	8,528
H3	10	10	STR	31'-0"	1,334
H4	10	10	STR	24'-0"	1,033
H5	10	10	STR	33'-0"	1,420
H6	10	10	STR	26'-0"	1,119
V1	34	8	STR	22'-0"	1,997
V2	28	8	STR	5'-0"	374

REINFORCING STEEL LBS. 27,599
CLASS "S" CONCRETE LUMP SUM



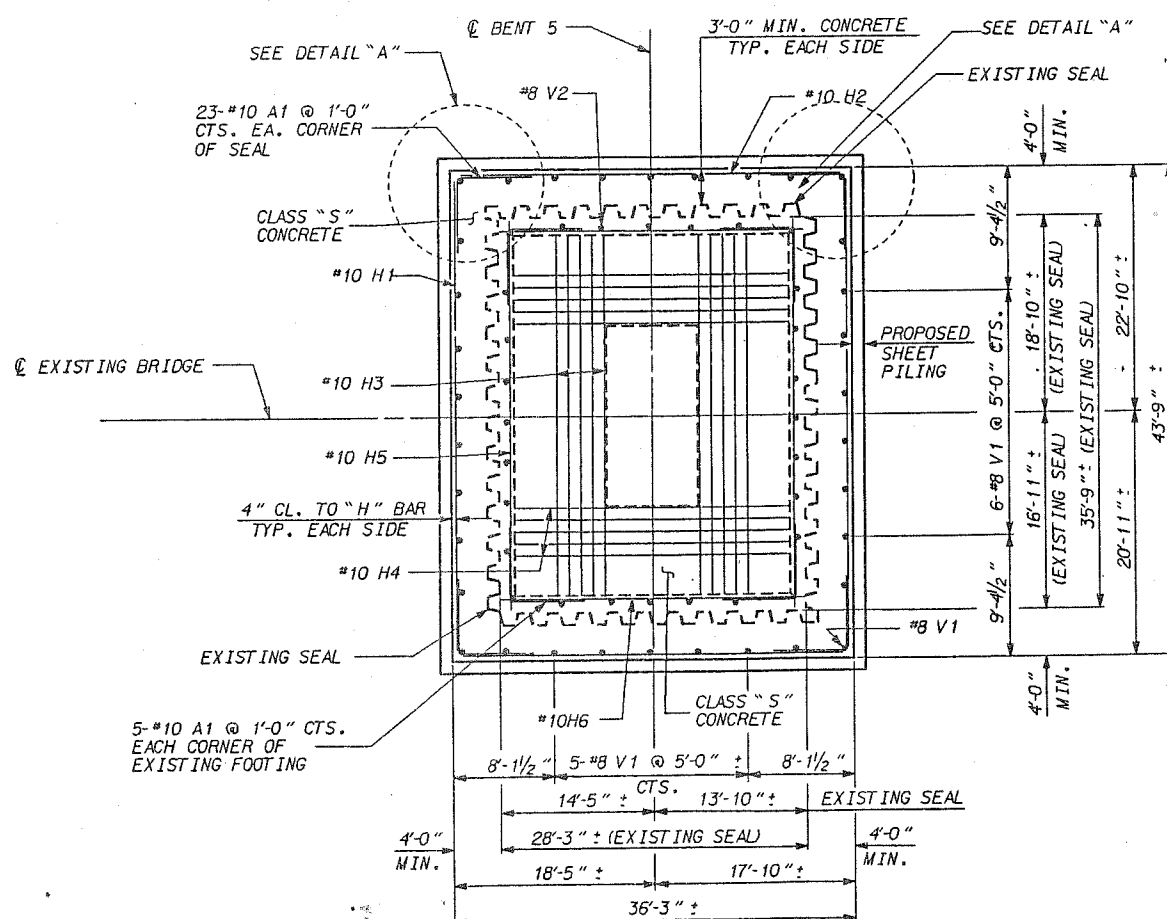
BAR TYPE

DIMENSIONS ARE OUT TO OUT.

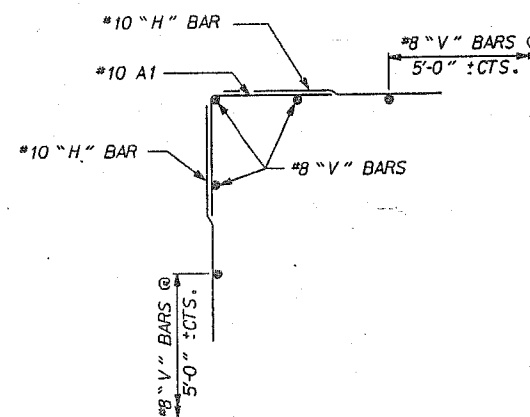


ELEVATION VIEW BENT 5

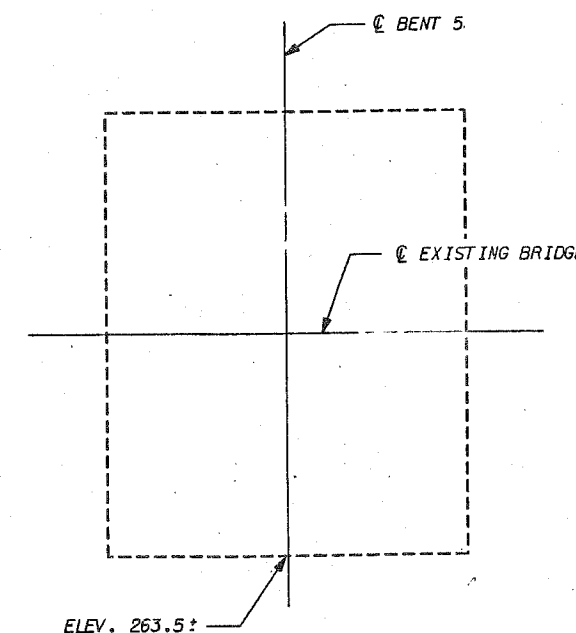
SECTION A-A



PLAN



DETAIL "A"



SKETCH SHOWING ELEVATIONS
@ TOP OF EXISTING SEAL

REVISION #1: REVISED TO ADD SHEET S-4A TO PLANS
FOR THE ADDITION OF SEAL REPAIR AT
BENT #5 TO THE ORIGINAL CONTRACT.

PROJECT NO. 5.6841016
STANLY COUNTY
STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DETAILS FOR SEAL REPAIR @ BENT 5

JULY				1988			
REVISIONS							
NO.	BY	DATE	NO.	BY	DATE	SHEET NO.	
1	FCJ	8/26/88	3			S-4A	
2			4			TOTAL SHEETS 4	