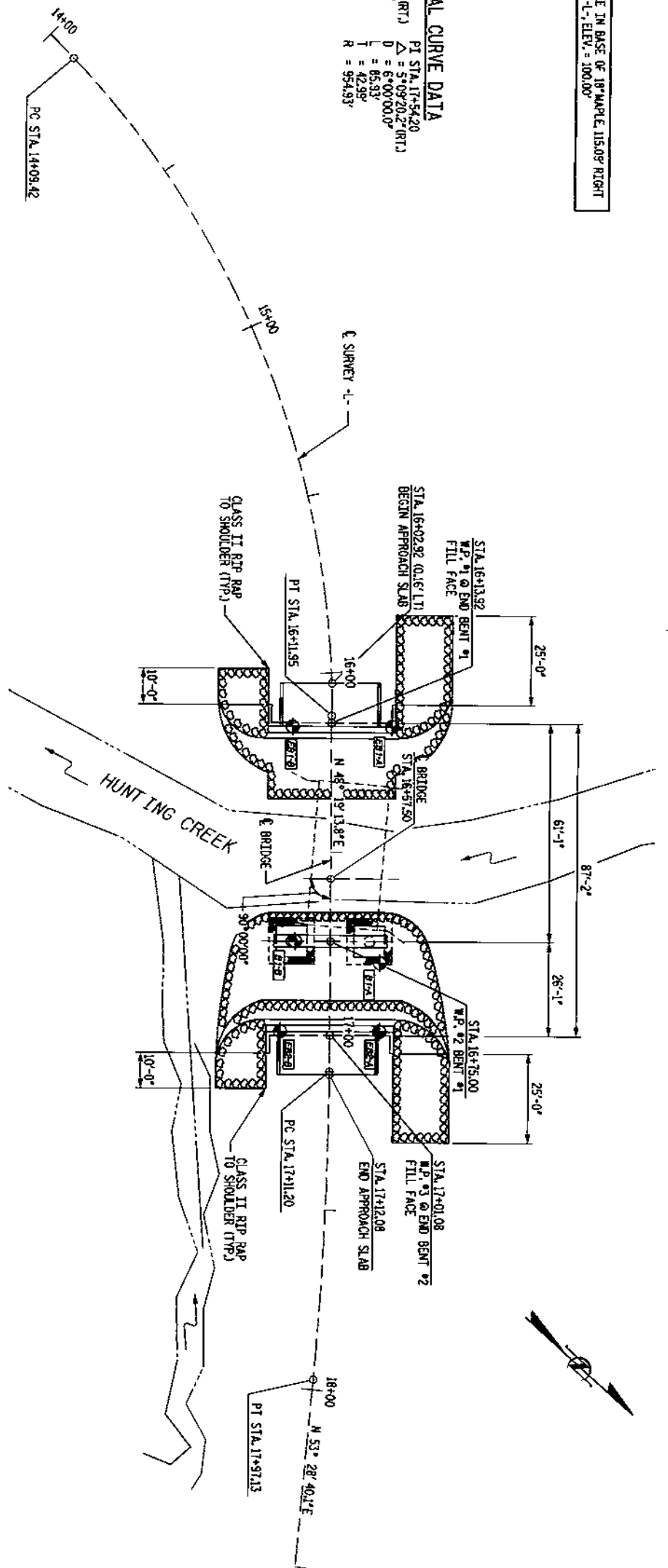


BAL. 11 - RR SPIKE IN BASE OF 18" W/4" DIA. 115.00' RIGHT OF STA. 15+13.34 - L -; ELEV. = 100.00'

HORIZONTAL CURVE DATA
 PI STA. 15+16.12
 $\Delta = 44^{\circ}33'23.9"$ (RT)
 $D = 22^{\circ}00'00.0"$
 $L = 106.70'$
 $R = 280.44'$
 PI STA. 17+44.20
 $\Delta = 57^{\circ}09'20.2"$ (RT)
 $D = 6^{\circ}00'00.0"$
 $L = 63.33'$
 $T = 42.35'$
 $R = 954.93'$

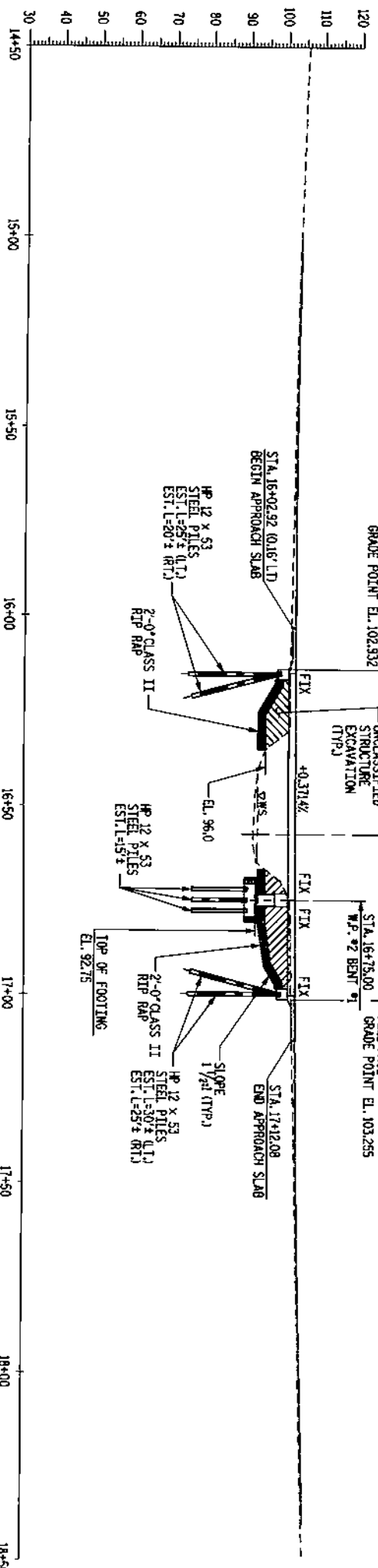


PLAN
SCALE: 1" = 20'-0"

HYDRAULIC DATA
 DESIGN DISCHARGE = 3200 CFS
 DESIGN FREQUENCY = 25 YRS
 DESIGN HW ELEVATION = 103.81 FT
 DRAINAGE AREA = 19.3 SQ MI
 BASE DISCHARGE (10,000') = 4700 CFS
 BASE HW ELEVATION = 103.34 FT

GRADE DATA
 P.I. 15+65.00
 EL. 102.75'
 L = 90'
 GRADE DATA

GRADE DATA
 P.I. 17+40.00
 EL. 103.40'
 L = 80'
 GRADE DATA



PROFILE ALONG Q SURVEY
SCALE: 1" = 20'

NOTES

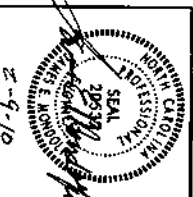
1. ALL PILES SHALL BE DRIVEN TO MINIMUM BEARING CAPACITY OF 30 TONS EX-1.
2. THE QUANTITY OF RIP RAP TO BE PAID FOR WILL BE THE ACTUAL NUMBER OF TONS OF EACH CLASS OF RIP RAP WHICH HAS BEEN INCORPORATED INTO THE COMPLETED AND ACCEPTED WORK. THE RIP RAP WILL BE MEASURED BY BEING WEIGHED IN TONS ON CERTIFIED PLATFORM SCALES OR OTHER CERTIFIED WEIGHING DEVICES. THE QUANTITY OF RIP RAP WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. FILTER FABRIC SHALL BE INCLUDED IN THE PRICE BID FOR CLASS II RIP RAP.
3. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH F.H.W.S. TECHNICAL ADVISORY 1514.20 (SCOUR AT BRIDGES).
4. THE SCOUR CRITICAL ELEVATION FOR INTERIOR BENT NO. 1 IS 60.00 FT. THE SCOUR CRITICAL ELEVATION FOR INTERIOR BENT NO. 2 IS 60.00 FT. THE SCOUR CRITICAL ELEVATION IS PROBABLY DURING THE LIFE OF THE STRUCTURE.
5. PIER SCOUR PROTECTION SHALL BE REQUIRED AT INTERIOR BENT NO. 1. PILES AT END BENT NO. 1 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN EL. 81.0 FT., AND SATISFY THE BEARING CAPACITY OF 50 TONS EACH.
6. PILES AT INTERIOR BENT NO. 1 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN EL. 72.0 FT., AND SATISFY THE BEARING CAPACITY OF 50 TONS EACH.
7. PILES AT END BENT NO. 2 SHALL BE DRIVEN TO AN ELEVATION NO HIGHER THAN EL. 72.0 FT., AND SATISFY THE BEARING CAPACITY OF 50 TONS EACH.
8. STEEL PILE POINTS ARE REQUIRED FOR PILES AT END BENT NO. 1, INTERIOR BENT NO. 1, AND END BENT NO. 2. SEE SPECIAL PROVISIONS FOR STEEL PILE POINTS.
9. THE STEEL PILES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS FOR GALVANIZING STEEL PILES. SEE SPECIAL PROVISIONS.
10. WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.
11. CURRENT AOT = 110 YRS.
12. DELINEATIONS ON BARRIER RAIL AND ON STEEL BEAM GUARDRAIL SHALL BE INCLUDED IN THE PRICE BID FOR STEEL BEAM GUARDRAIL.
13. GEOTECH BORE HOLES LOCATION

DESCRIPTION OF EXISTING BRIDGE
 1 SPAN @ 40'-7 1/2" x 8" TIMBER FLOOR
 7 1/2" ASPHALT WEARING SURFACE ON STEEL I-BEAMS
 ON TIMBER POSTS AND SILLS ON TIMBER PILES 19'-2" CLEAR
 ROADWAY WIDTH SHALL BE REMOVED.

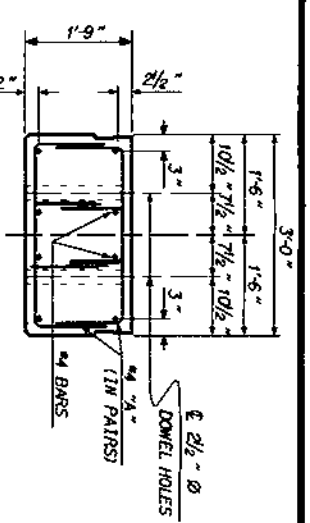
PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BRIDGE NO. 24 ON SR 2428
 OVER HUNTING CREEK

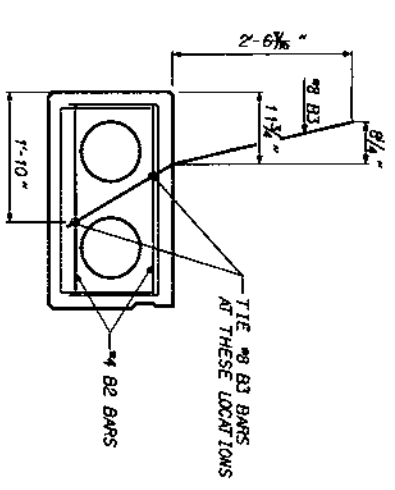
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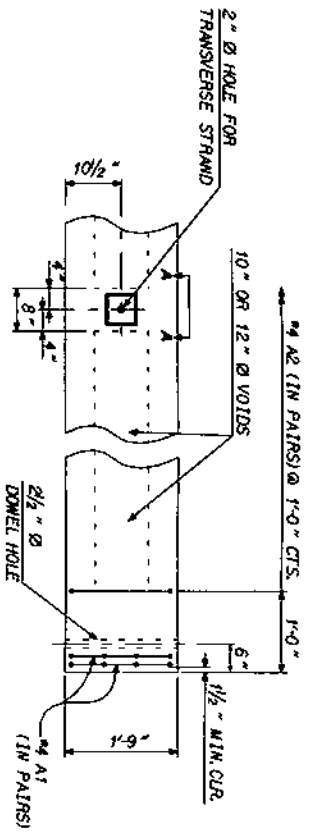
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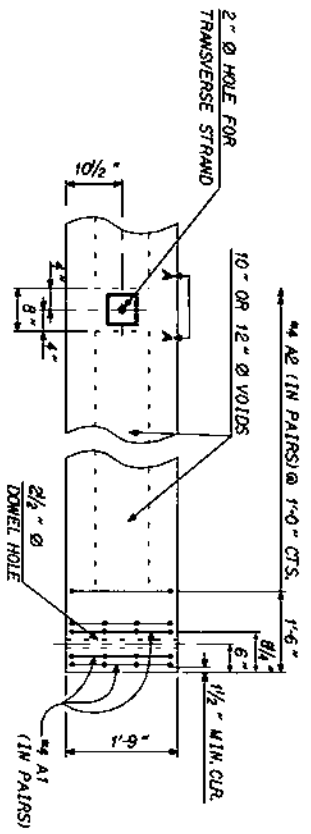
SLAB END ELEVATION
THE 2 1/2" DOWEL HOLES AT FIXED ENDS OF SLAB SECTIONS SHALL BE FILLED WITH GROUT.



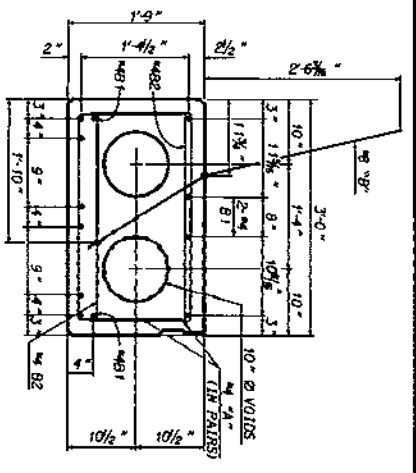
THE LOCATION FOR #8 B3



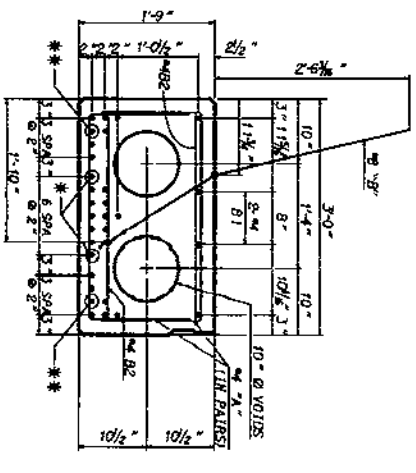
25' SLAB ELEVATION



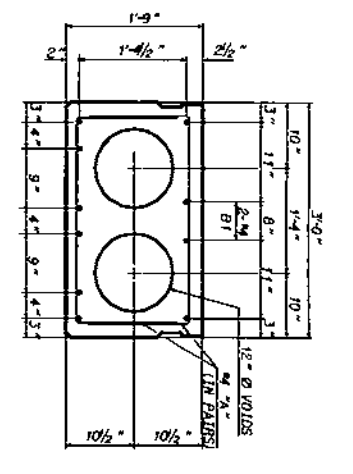
60' SLAB ELEVATION



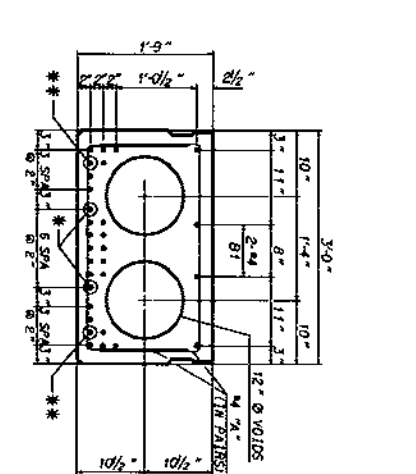
25' SPAN EXTERIOR SLAB SECTIONS



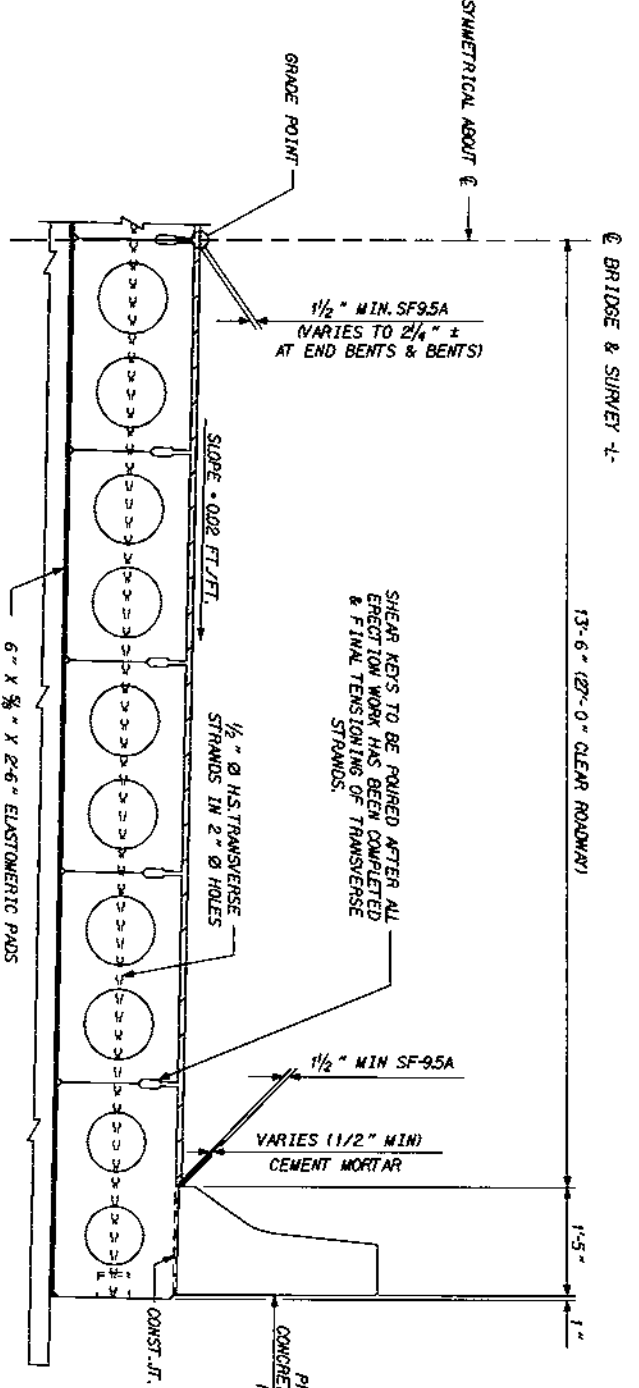
60' SPAN EXTERIOR SLAB SECTIONS



25' SPAN INTERIOR SLAB SECTIONS



60' SPAN INTERIOR SLAB SECTIONS

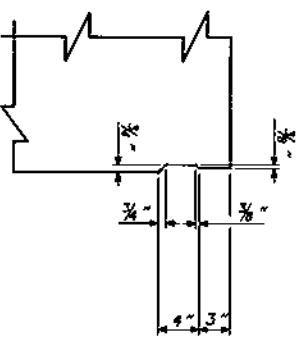


TYPICAL HALF SECTION

DRAWN BY: C.J. SMITH DATE: DEC 2009
CHECKED BY: J.E. MONDOLFI DATE: DEC 2009

SHEATH CHART			
SPAN LENGTH	NUMBER OF SHEATHED STRANDS PER EXTERIOR SLAB SECTIONS	NUMBER OF SHEATHED STRANDS PER INTERIOR SLAB SECTIONS	
25'	2 @ 2"	2 @ 2"	
60'	2 @ 2"	2 @ 2"	

* BOND SHALL BE BROKEN ON THESE STRANDS FOR A DISTANCE OF 4 FEET FROM THE END OF THE SLAB
** BOND SHALL BE BROKEN ON THESE STRANDS FOR A DISTANCE OF 6 FEET FROM THE END OF THE SLAB



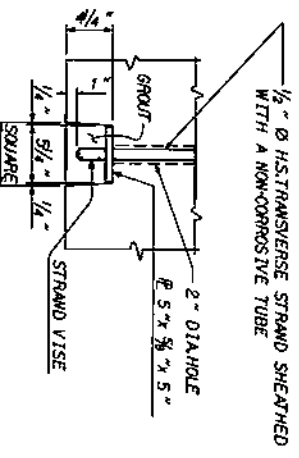
SHEAR KEY DETAIL

EXTERIOR SLAB UNIT			
SPAN	CHAMBER (RADIUS)	DEFLECTION (UP)	DEFLECTION (DOWN)
25'	0.125'	2.267'	0.460'
60'	0.116'	1.803'	0.460'

INTERIOR SLAB UNIT			
SPAN	CHAMBER (RADIUS)	DEFLECTION (UP)	DEFLECTION (DOWN)
25'	0.140'	2.267'	0.460'
60'	0.130'	2.267'	0.460'

* INCLUDES FUTURE WEARING SURFACE

SECTION A-A



GENERAL NOTES

ASSUMED LIVE LOAD = HS 20-44 OR ALTERNATE LOADING.

CONCRETE F_{ci} = 5000 PSI PER SPAN ONLY
CONCRETE F_{cs} = 4000 PSI PER 25' SPAN ONLY
CONCRETE F_{cs} = 3000 PSI PER 60' SPAN ONLY
CONCRETE F_{cs} = 5000 PSI PER 60' SPAN ONLY

* COMPRESSIVE STRENGTH FORCE

ALL PRESTRESS STRANDS SHALL MEET THE REQUIREMENTS OF ASTM A186.

ALL PRESTRESS STRANDS SHALL BE 7 WIRE, LOW RELAXATION, HIGH STRENGTH CABLES IN ACCORDANCE WITH THE SPECIFICATIONS. SIZE TYPE AREA ULTIMATE STR. 1/2" @ HIGH STR. 0.153 OR 41,300*

APPLIED FORCE 30,900* PER CABLE

STRUCTURAL STEEL ITEMS SHALL BE OF A GRADE CONFORMING TO EITHER ASTM A588 OR A573, EXCEPT HIGH STRENGTH BOLTS, HIGH STRENGTH BOLTS SHALL BE ASTM A325. ALL STRUCTURAL STEEL SHALL BE GALVANIZED AS PER THE SPECIFICATIONS.

ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OF THE NC DEPARTMENT OF TRANSPORTATION DATED JULY 2006 AND WITH THE SPECIAL PROVISIONS.

THE ULTIMATE STRENGTH OF THE CORDED SLAB UNIT MUST MEET THE REQUIREMENTS OF THE APPLICABLE ASHTO SPECIFICATIONS.

STRANDS SHALL BE CUT FLUSH WITH ENDS OF SLABS. A POSITIVE HOLD DOWN SYSTEM MUST BE EMPLOYED TO PREVENT VOIDS FROM RISING.

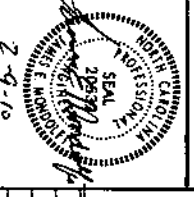
NOTE: SPINAL WIRE REINFORCEMENT MAY BE USED IN LIEU OF DEFORMED BARS FOR STRIPPERS. MINIMUMS 5 X 6" PITCH.

UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXPOSED CORNERS ON STRUCTURES SHALL BE CHAMFERED 3/4".

APPLY EPOXY PROTECTIVE COATING TO THE ENDS OF THE CORDED SLAB UNITS.

NOT TO SCALE

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NC License No. P10088



PROJECT NO. 42825
COUNTY: WILKES
STATION: 16+57.50
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALPHIGH

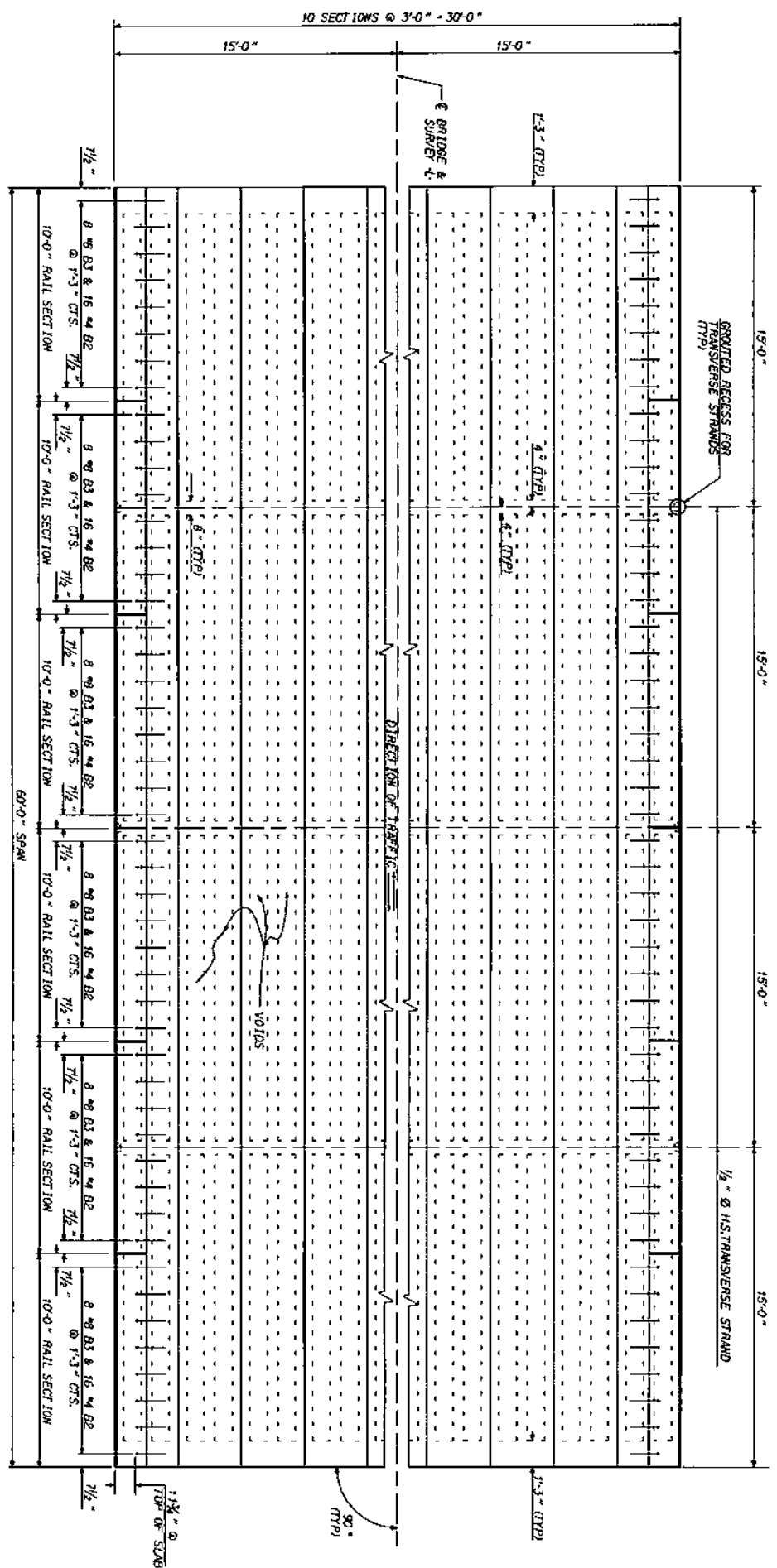
STANDARD PRESTRESSED CORDED SLAB
25' AND 60' SPANS
27' CLEAR ROADWAY - 90° SKEW

NO.	BY	DATE	NO.	BY	DATE
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2			3		
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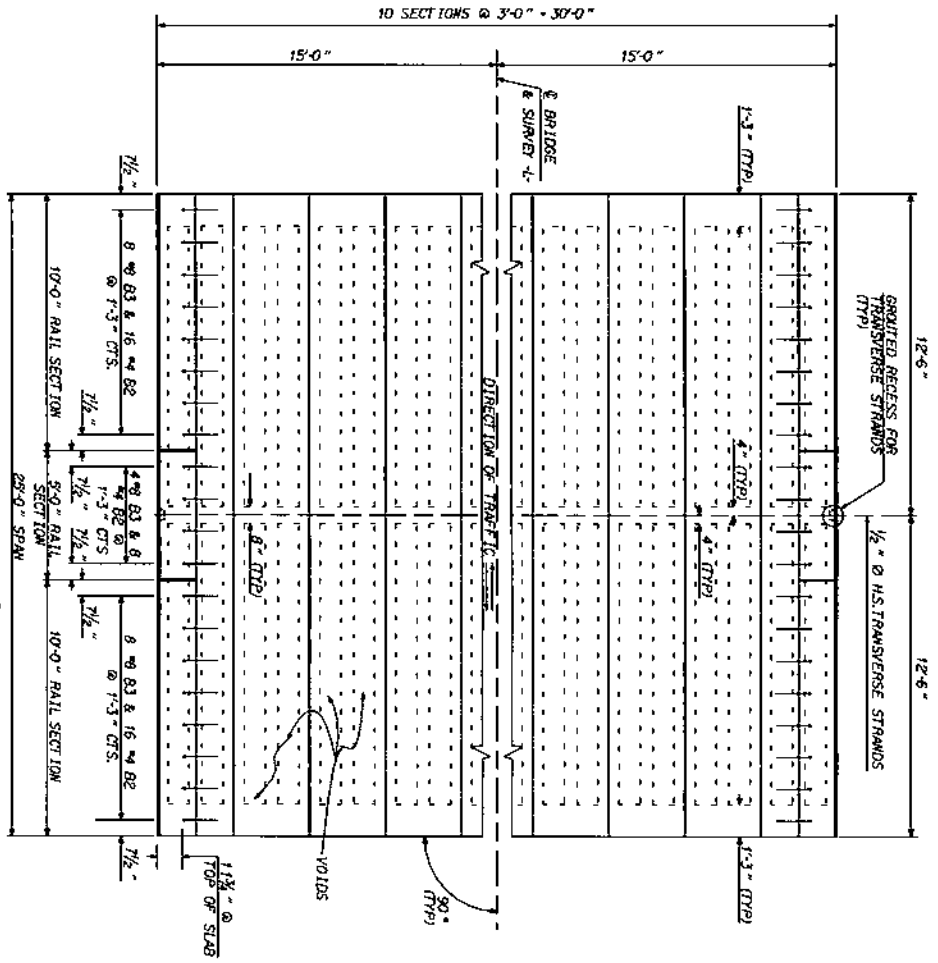
REVISIONS: 2
TOTAL: 23

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DRAWN BY: C.L. SMITH DATE: DEC 2006
 CHECKED BY: J.E. MUNDOLIN DATE: DEC 2006



PLAN VIEW - 60' SPAN



PLAN VIEW - 25' SPAN

NOT TO SCALE

BILL OF MATERIAL FOR ONE 25'-0" INTERIOR CORED SLAB SECTION

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	#4	STR	24'-8"	33
A1	8	#4	1	4'-5"	24
A2	48	#4	1	5'-4"	171
REINFORCING STEEL					LBS. 251
5000 P.S.I. CONCRETE					C.Y. 3.4
0.5" Ø L.R. STRANDS					NO. 8

BILL OF MATERIAL FOR ONE 60'-0" INTERIOR CORED SLAB SECTION

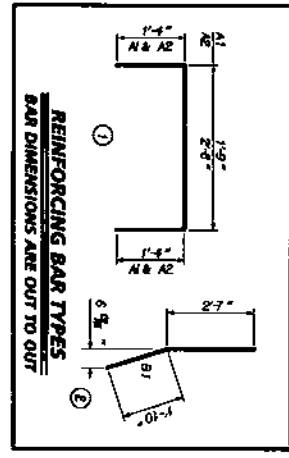
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#4	STR	30'-9"	82
A1	16	#4	1	4'-5"	47
A2	116	#4	1	5'-4"	413
REINFORCING STEEL					LBS. 542
7000 P.S.I. CONCRETE					C.Y. 8.2
0.5" Ø L.R. STRANDS					NO. 29

BILL OF MATERIAL FOR ONE 25'-0" EXTERIOR CORED SLAB SECTION

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#4	STR	24'-8"	66
B2	40	#4	STR	2'-8"	71
*B3	20	#8	2	4'-5"	236
A1	8	#4	1	4'-5"	24
A2	48	#4	1	5'-4"	171
REINFORCING STEEL					LBS. 332
*EPOXY COATED REINFORCING STEEL					LBS. 236
5000 P.S.I. CONCRETE					C.Y. 3.8
0.5" Ø L.R. STRANDS					NO. 8

BILL OF MATERIAL FOR ONE 60'-0" EXTERIOR CORED SLAB SECTION

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#4	STR	30'-9"	82
B2	96	#4	STR	2'-8"	171
*B3	48	#8	2	4'-5"	566
A1	16	#4	1	4'-5"	47
A2	116	#4	1	5'-4"	413
REINFORCING STEEL					LBS. 713
*EPOXY COATED REINFORCING STEEL					LBS. 566
7000 P.S.I. CONCRETE					C.Y. 9.2
0.5" Ø L.R. STRANDS					NO. 29



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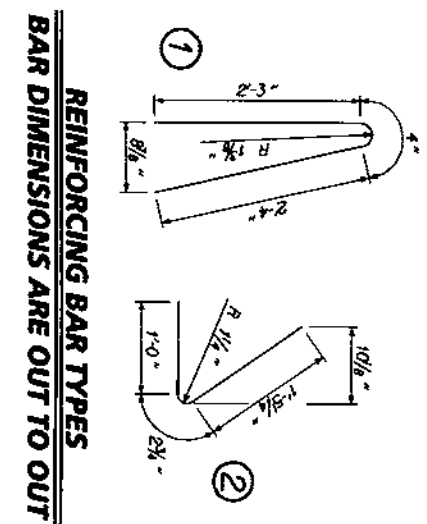
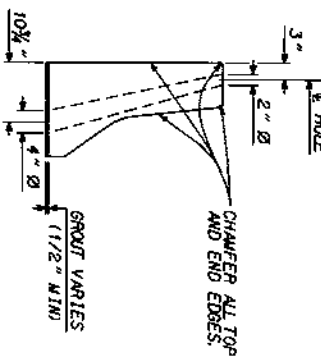
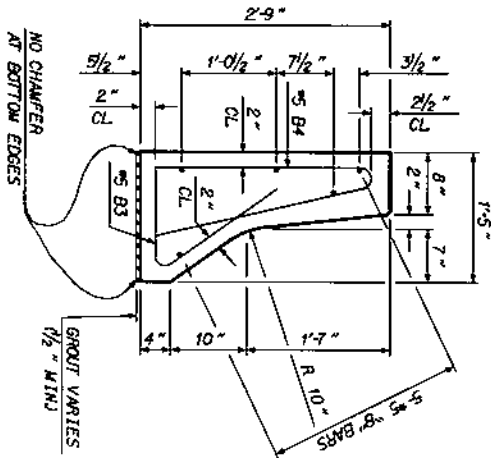
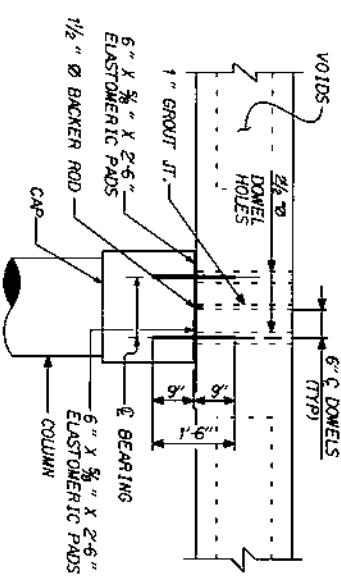
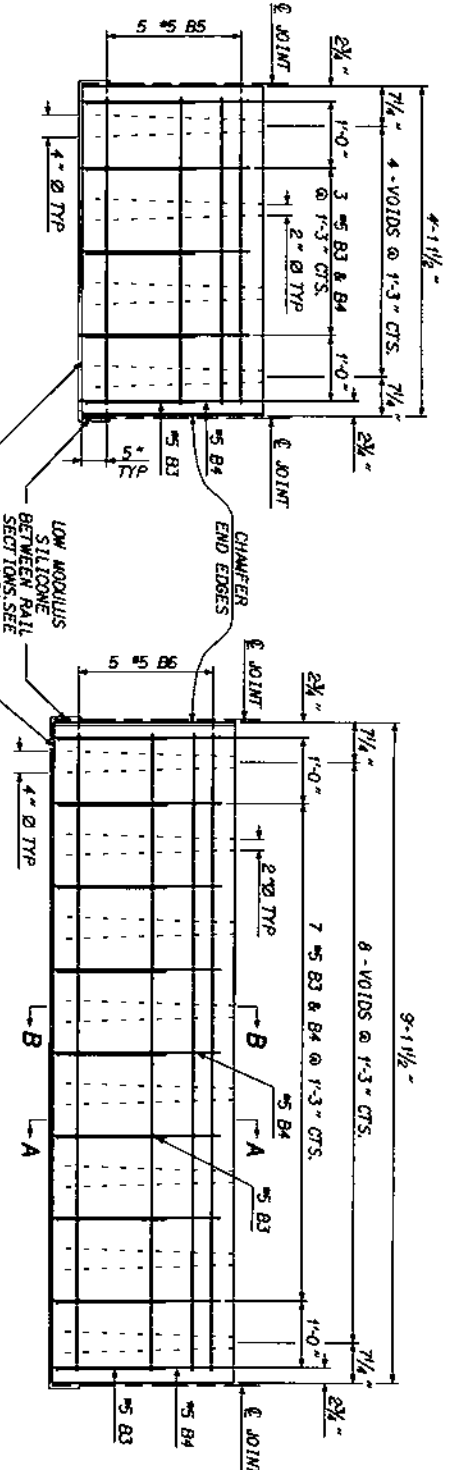


PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PLANS OF PRESTRESSED CORED SLAB AND BILL OF MATERIALS

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



BILL OF MATERIAL

FOR ONE 10'-0" RAIL SECTION

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B3	9	#5	1	4'-11"	46
B4	9	#5	2	2'-4"	25
B5	5	#5	STR	9'-7"	50

REINFORCING STEEL LBS. = 121
CLASS AA CONCRETE CU. YDS. = 1.0

BILL OF MATERIAL

FOR ONE 5'-0" RAIL SECTION

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B3	5	#5	1	4'-11"	26
B4	5	#5	2	2'-4"	14
B5	5	#5	STR	4'-7"	24

REINFORCING STEEL LBS. = 64
CLASS AA CONCRETE CU. YDS. = 0.5

NOTES

EACH PRECAST RAIL UNIT SHALL BE CAST WITH CLASS AA CONCRETE.

EACH PRECAST RAIL UNIT SHALL BE SUPPLIED WITH LIFTING DEVICES. NO CABLES ARE TO BE WRAPPED AROUND THE RAIL UNITS FOR LIFTING.

THE JOINT SEALER SHALL BE LOW MODULUS SILTONE SEALANT. SEE SECTION 102B-4 OF THE STANDARD SPECIFICATIONS.

PROJECT NO. 42825
COUNTY: WILKES
STATION: 16+57.50
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

FH
Florence & Hutcheson
CONSULTING ENGINEERS
5151 Kingsley Way, Suite 100 Raleigh, NC 27607
NC License No. F0228

PROFESSIONAL ENGINEER
SEAL
2-9-10

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
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2			4		

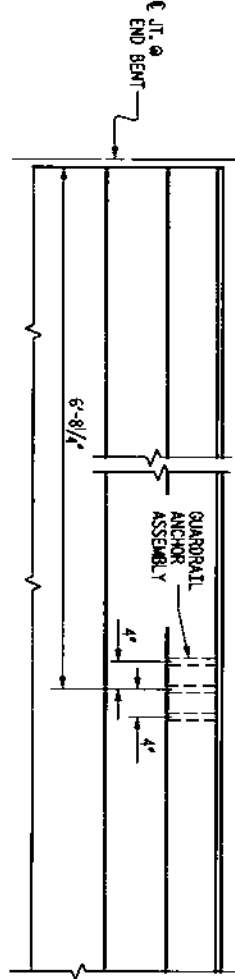
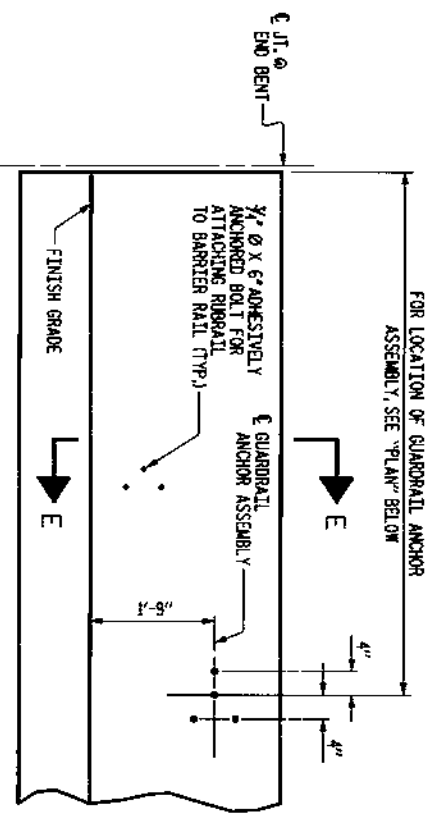
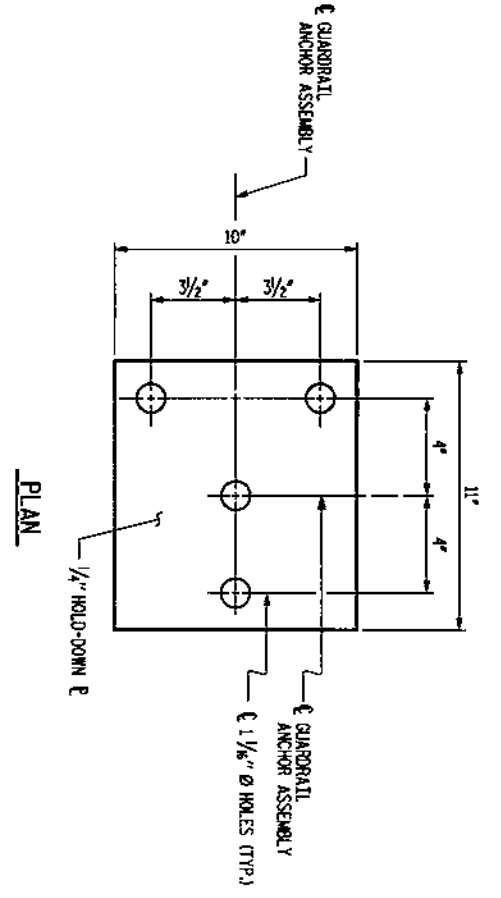
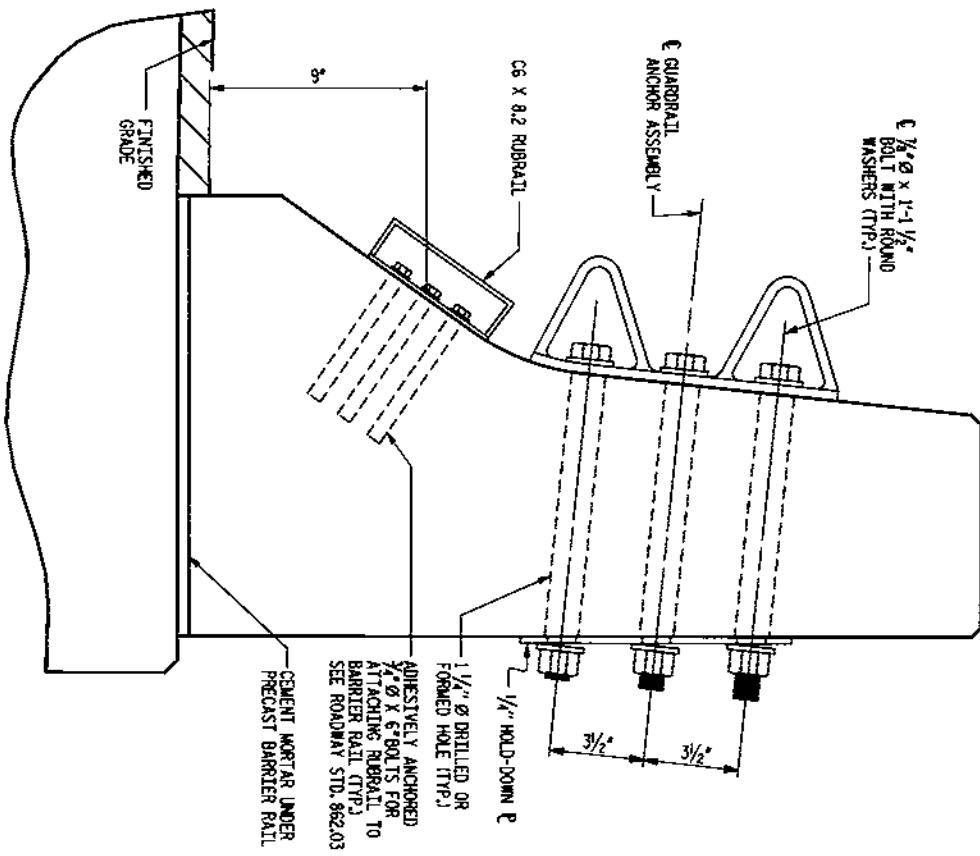
DATE: DEC 2009
DRAWN BY: CL SMITH
CHECKED BY: J.E. MONROULT
DATE: DEC 2009

NOT TO SCALE

DATE: DEC 2000
 CHECKED BY: J.E. MONROE DATE: DEC 2000

GUARDRAIL ANCHOR ASSEMBLY DETAILS
 FOR CONCRETE BARRIER RAIL ONLY
 FOR LOCATION OF GUARDRAIL ANCHOR ASSEMBLY, SEE THIS SHEET

SECTION E-E



LOCATION OF ANCHORS FOR GUARDRAIL
 FOR CONCRETE BARRIER RAIL
 END BENT #1 SHOWN, END BENT #2 SIMILAR

ELEVATION
 FOR LOCATION OF RUBERRAIL, SEE ROADWAY STD. 862.03

NOTES

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A 1/2" HOLD DOWN PLATE AND 1/2" BOLTS WITH NUTS AND WASHERS, RUBERRAIL, AND ADHESIVELY ANCHORED BOLTS.

THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 36. AFTER FABRICATION, THE HOLD-DOWN PLATE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M11.

BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLTS, NUTS AND WASHERS MAY BE USED AS AN ALTERNATE FOR THE 1/2" GALVANIZED BOLTS, NUTS AND WASHERS. THEY SHALL CONFORM TO OR EXCEED THE MECHANICAL REQUIREMENTS OF ASTM A307. THE USE OF THIS ALTERNATE SHALL BE APPROVED BY THE ENGINEER.

THE GUARDRAIL ANCHOR ASSEMBLY IS REQUIRED AT ALL POINTS WHERE APPROACH OR ATTACHMENT TO THE END OF CONCRETE BARRIER RAIL. FOR POINTS OF ATTACHMENT, SEE SKETCH.

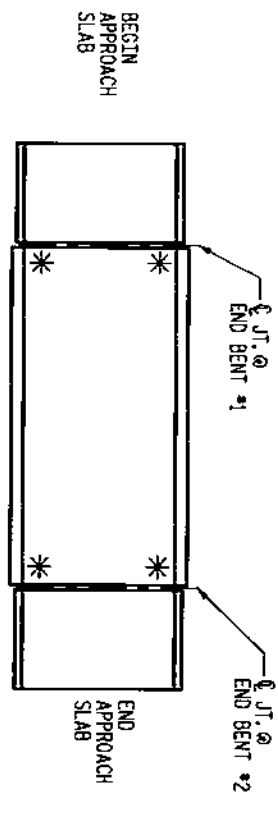
AFTER INSTALLATION, THE EXPOSED THREAD OF THE BOLT SHALL BE BURIED WITH A SHARP POINTED TOOL.

THE COST OF THE GUARDRAIL ANCHOR ASSEMBLY SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR GUARDRAIL ANCHOR UNIT, TYPE B-7T.

THE 1/2" HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED. ANY CONCRETE DAMAGED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.

THE 6x8 1/2 RUBERRAIL IS TO BE ADHESIVELY ANCHORED TO THE RAIL USING THREE 3/4" X 6" BOLTS WITH WASHERS. LEVEL ONE FIELD TESTING IS REQUIRED, AND THE FIELD LOAD OF THE 3/4" X 6" BOLT IS 12 KIIPS. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOMES, SEE SPECIAL PROVISIONS. SEE ROADWAY STANDARD 862.03 FOR DETAILS AND LOCATION OF THE RUBERRAIL.

SKETCH SHOWING POINTS OF ATTACHMENTS
 * DENOTES GUARDRAIL ANCHOR ASSEMBLY



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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

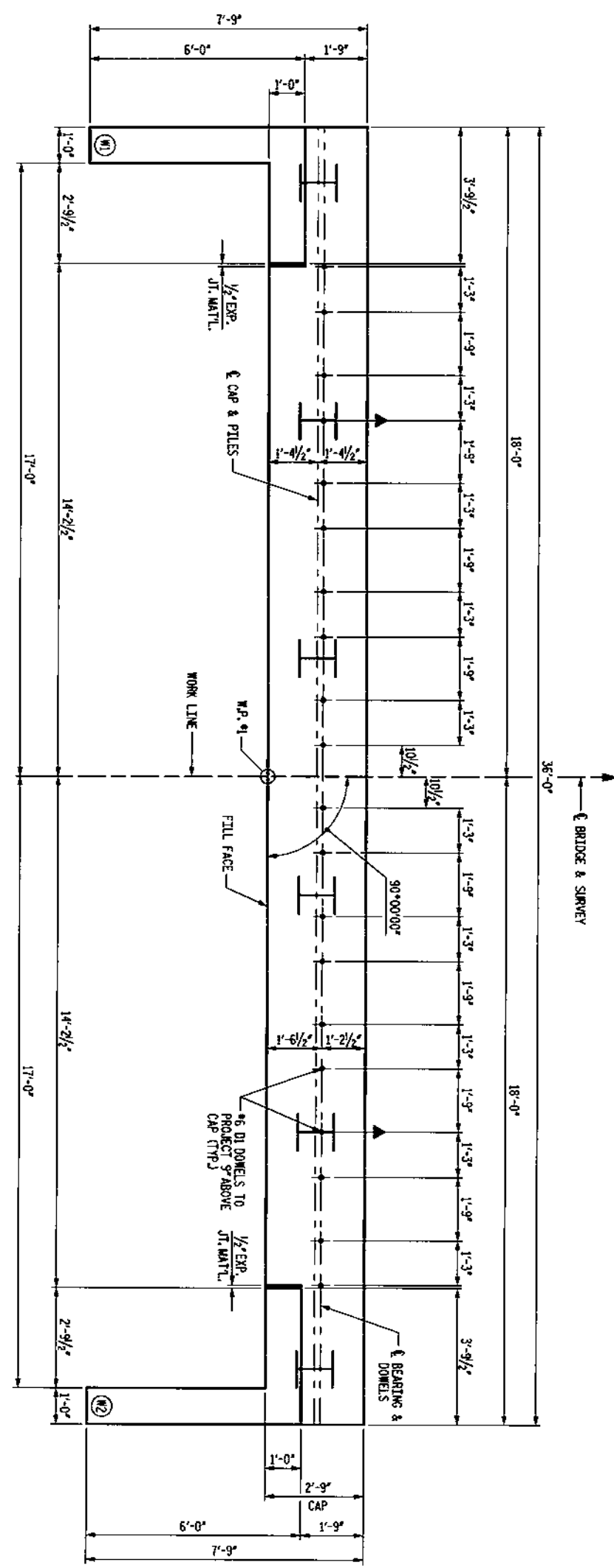
**SUPERSTRUCTURE
 GUARDRAIL ANCHORAGE DETAILS**

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

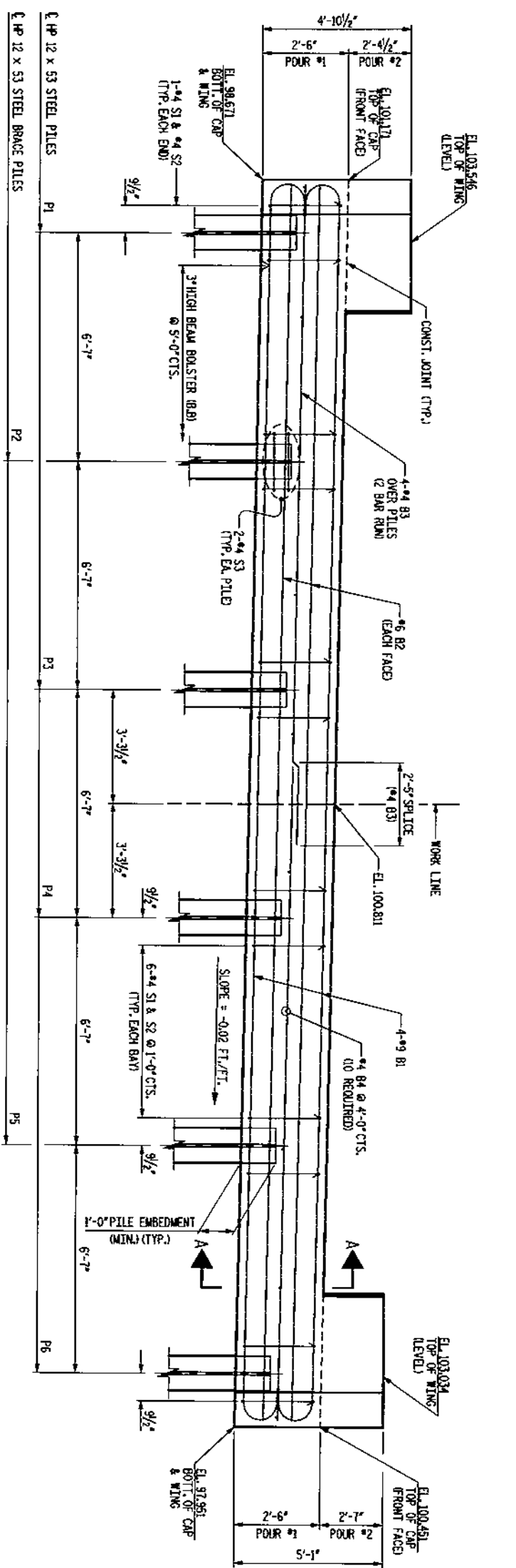
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 SHEET NO.: 23

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DRAWN BY: CL SAUTER DATE: DEC 2009
 CHECKED BY: AK ORR DATE: DEC 2009

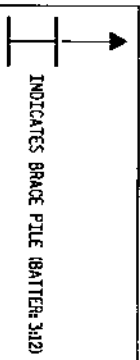


PLAN



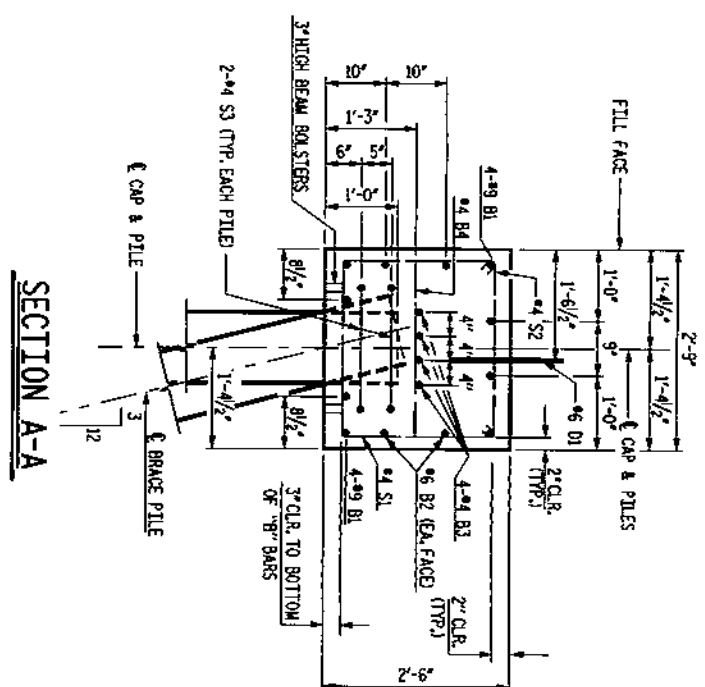
ELEVATION

TOP OF PILE ELEVATIONS	
PILE	ELEVATION
P1	99.630
P2	99.498
P3	99.367
P4	99.235
P5	99.103
P6	98.972

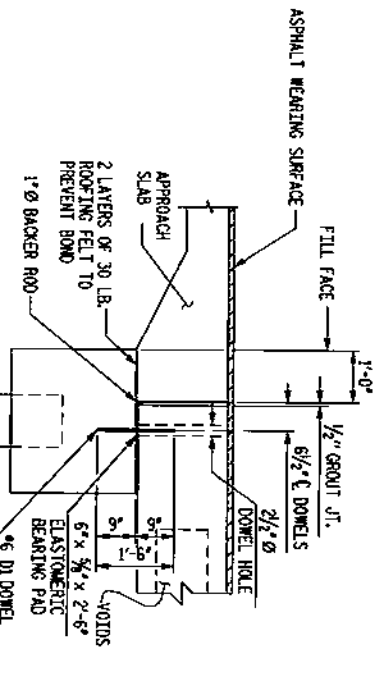


NOT TO SCALE

NOTE:
 STIRRUPS IN CAP MAY BE SHIFTED SLIGHTLY AS NECESSARY TO CLEAR DOWELS.



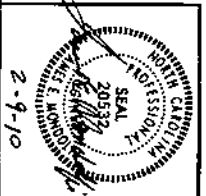
SECTION A-A



DOWEL LOCATION DETAIL

NOTE: # OF DOWELS SHALL MATCH # OF DOWEL HOLES IN CORED SLAB UNITS.

FH Florence & Hutcheson
 CONSULTING ENGINEERS
 513 Henderson Way, Suite 100A, Raleigh, NC 27603
 NC License No. E7028



PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

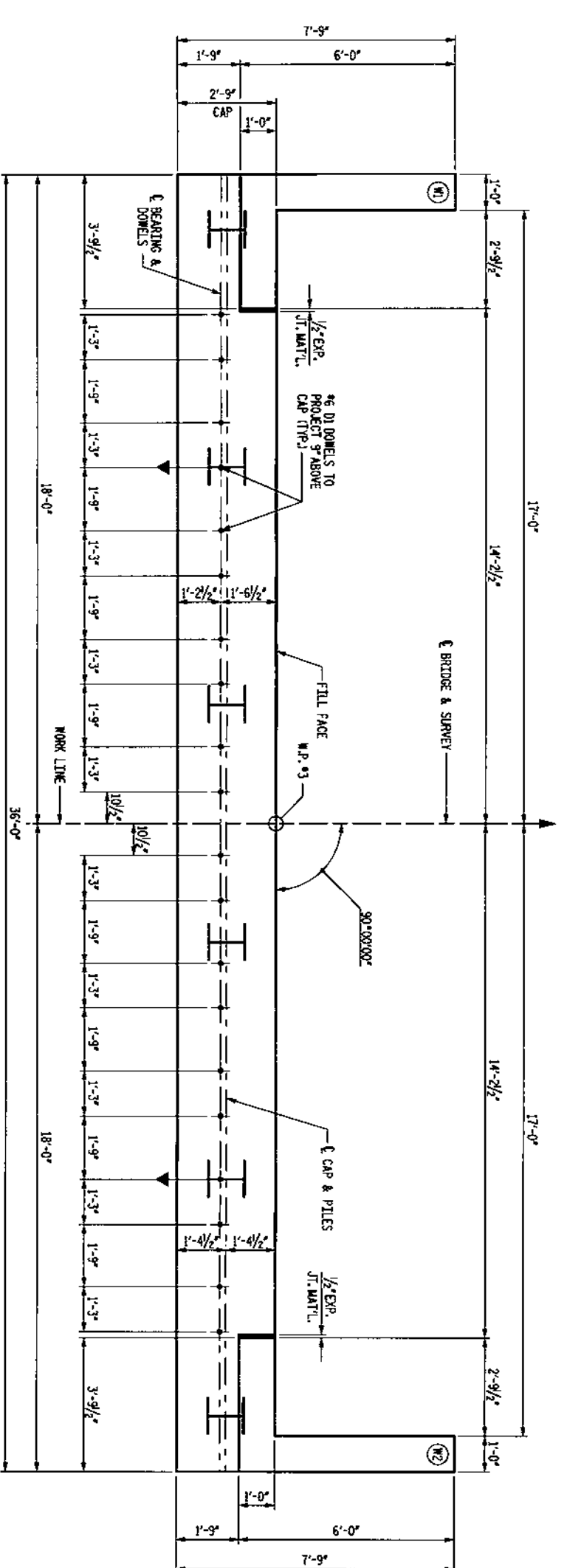
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 NAHIGH

CAST-IN-PLACE
 END BENT NO. 1
 27' CLEAR ROADWAY - 90° SKEW

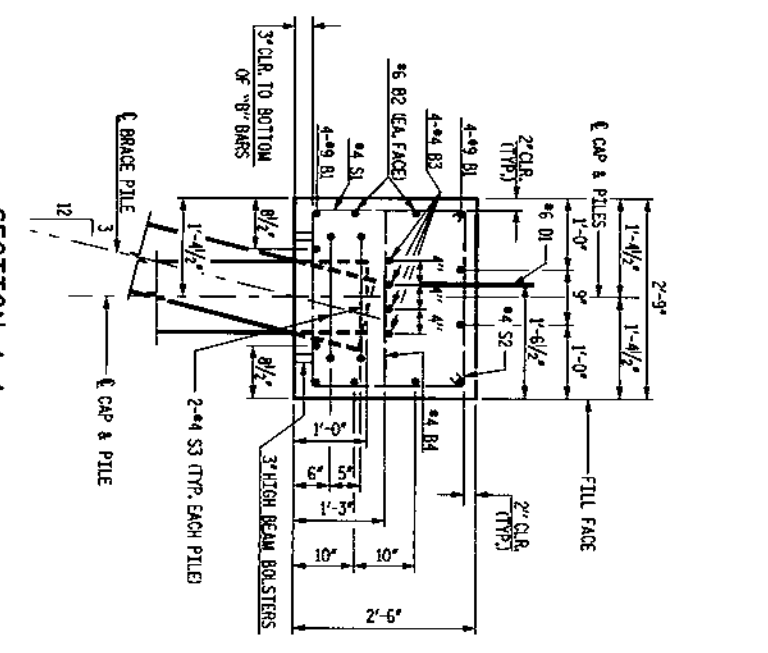
REVISIONS			
NO.	BY	DATE	DATE
1			
2			
3			
4			

DATE: 6/23

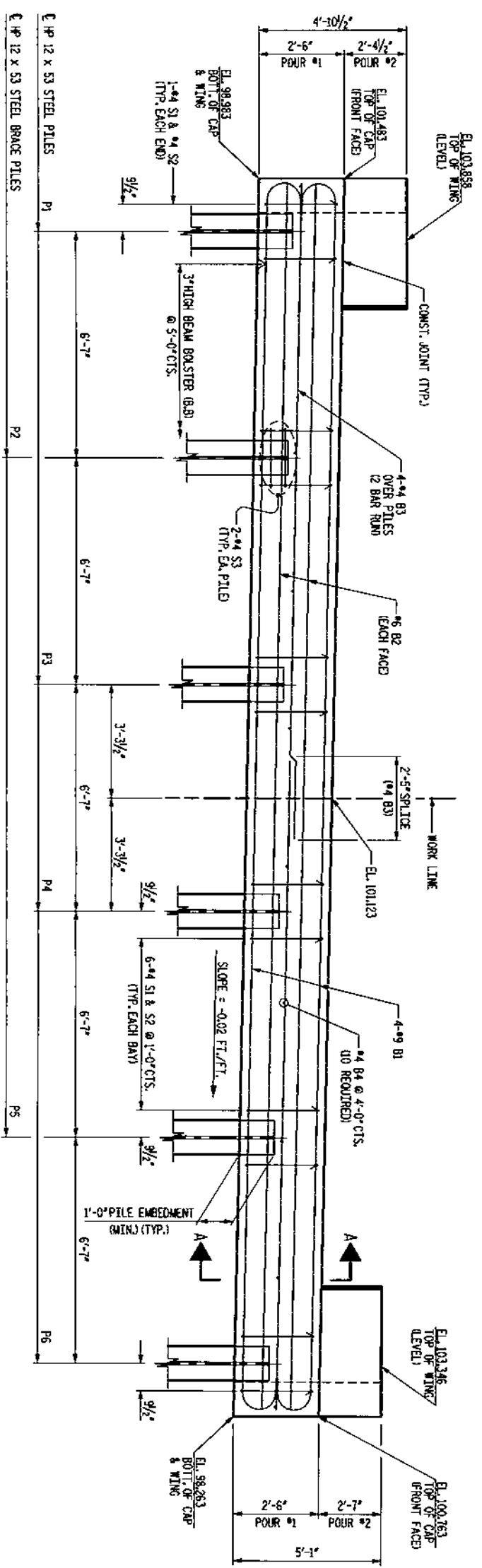
DRAWN BY: CL SMITH DATE: DEC 2009
 CHECKED BY: AK ORR DATE: DEC 2009



PLAN



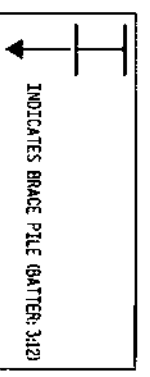
SECTION A-A



ELEVATION

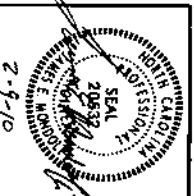
NOTE:
 STIRRUPS IN CAP MAY BE SHIFTED SLIGHTLY AS NECESSARY TO CLEAR DOMELS.

PILE	ELEVATION
P1	99.942
P2	99.810
P3	99.679
P4	99.547
P5	99.415
P6	99.284



NOT TO SCALE

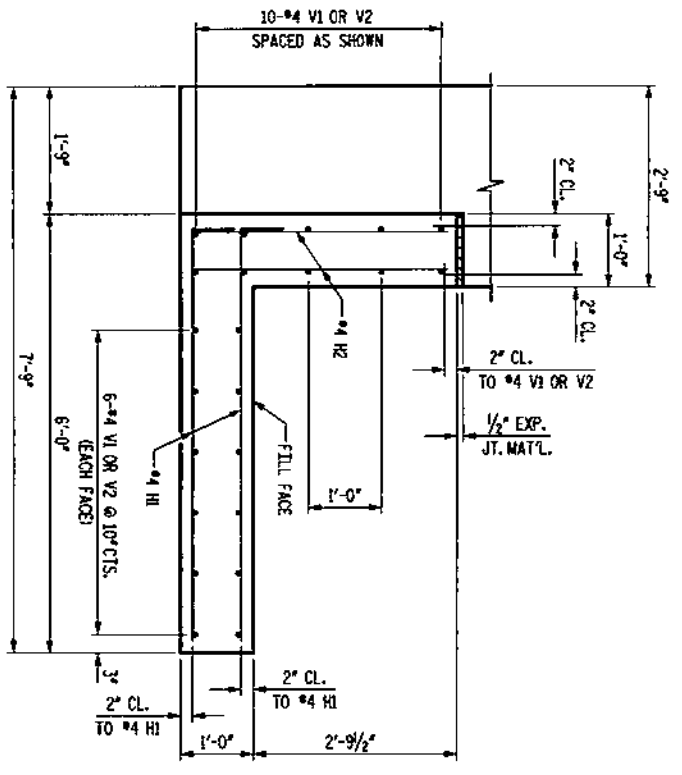
FH Florence & Hutcheson
 CONSULTING ENGINEERS
 5121 Kingsman Way, Suite 100, Raleigh, NC 27603
 NC License No. E70088



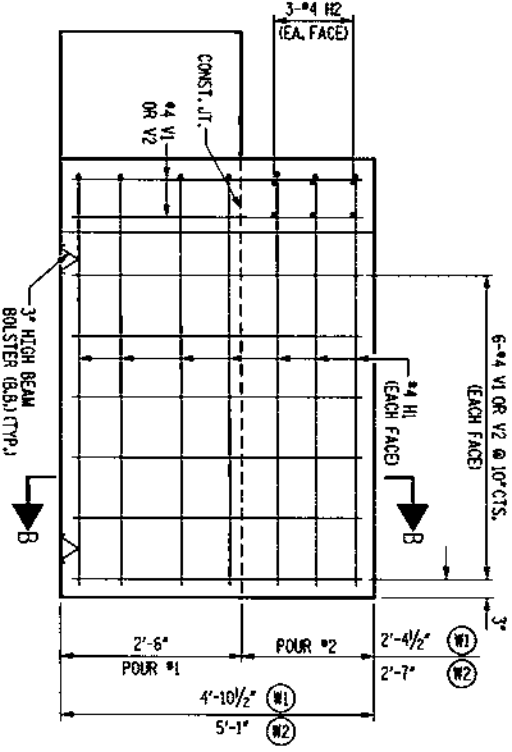
PROJECT NO. 42825		COUNTY: WILKES	
STATION: 16+57.50		REPLACES BRIDGE NO. 24	
STATE OF NORTH CAROLINA			
DEPARTMENT OF TRANSPORTATION			
RALEIGH			
CAST - IN - PLACE			
END BENT NO. 2			
27' CLEAR ROADWAY - 90° SKEW			
REVISIONS		DATE	
NO.	BY	DATE	BY
1			
2			
3			
4			
TOTAL REVISIONS		7	
		23	

FILE NAME: p:\projects\10110101\10110101\10110101.dwg

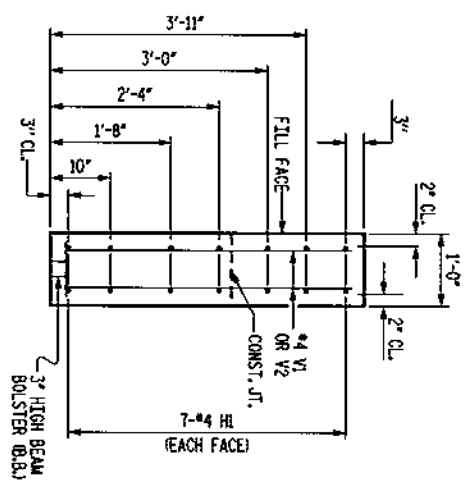
DRAWN BY: C.L. SMITH
 CHECKED BY: A.K. ORR
 DATE: DEC 2005
 DATE: DEC 2005



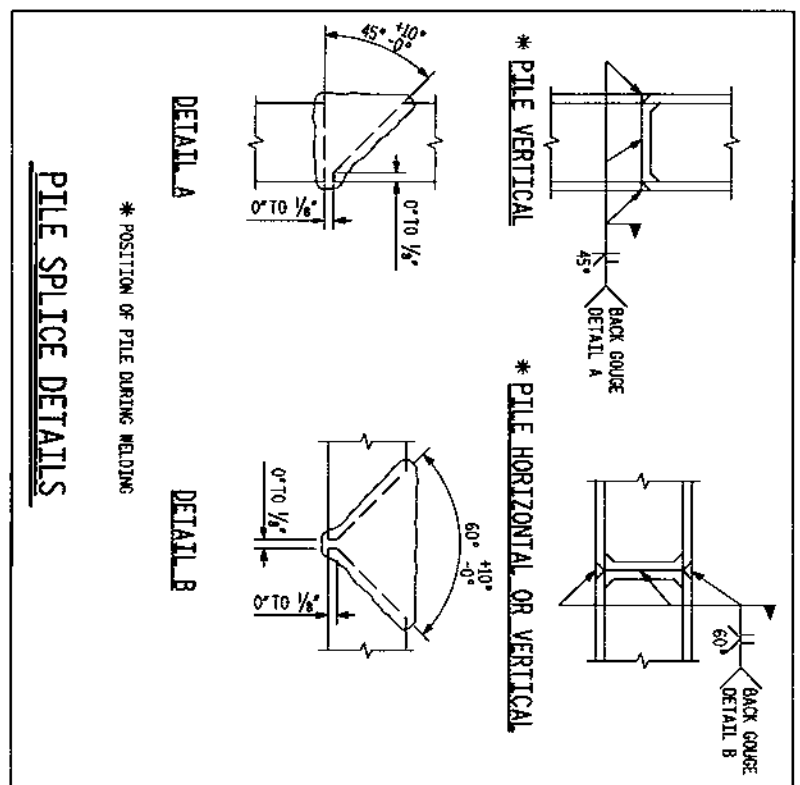
PLAN OF WING



ELEVATION OF WING



SECTION B-B



PILE SPlice DETAILS

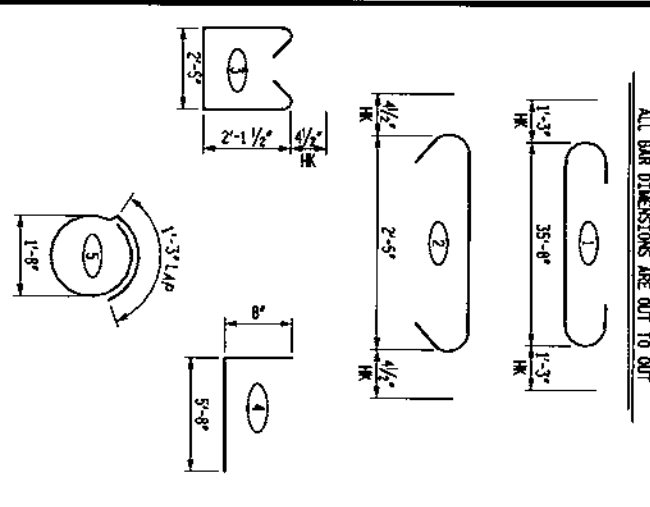
BILL OF MATERIAL
ONE END BENT (2 REQUIRED)

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	1	38'-2"	1038
B2	4	STR	35'-8"	204
B3	8	4	19'-1"	102
B4	10	4	2'-5"	16
B5	20	6	STR	45
B6	28	4	6'-4"	118
B7	12	4	STR	27
B8	32	4	7'-5"	159
B9	32	4	3'-2"	88
B10	12	4	6'-6"	52
B11	22	4	STR	66
B12	22	4	STR	70
REINFORCING STEEL TOTAL				1,975 LBS.

CLASS "A" CONCRETE

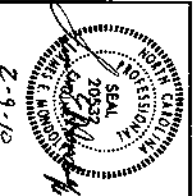
POUR 1	10.1 CYS.
POUR 2	1.5 CYS.
TOTAL	11.7 CYS.

BAR TYPES



NOT TO SCALE

FH
Florence & Hutcheson
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 5101 Raleigh Way, Suite 100 Raleigh, NC 27607
 NC License No. E-10288



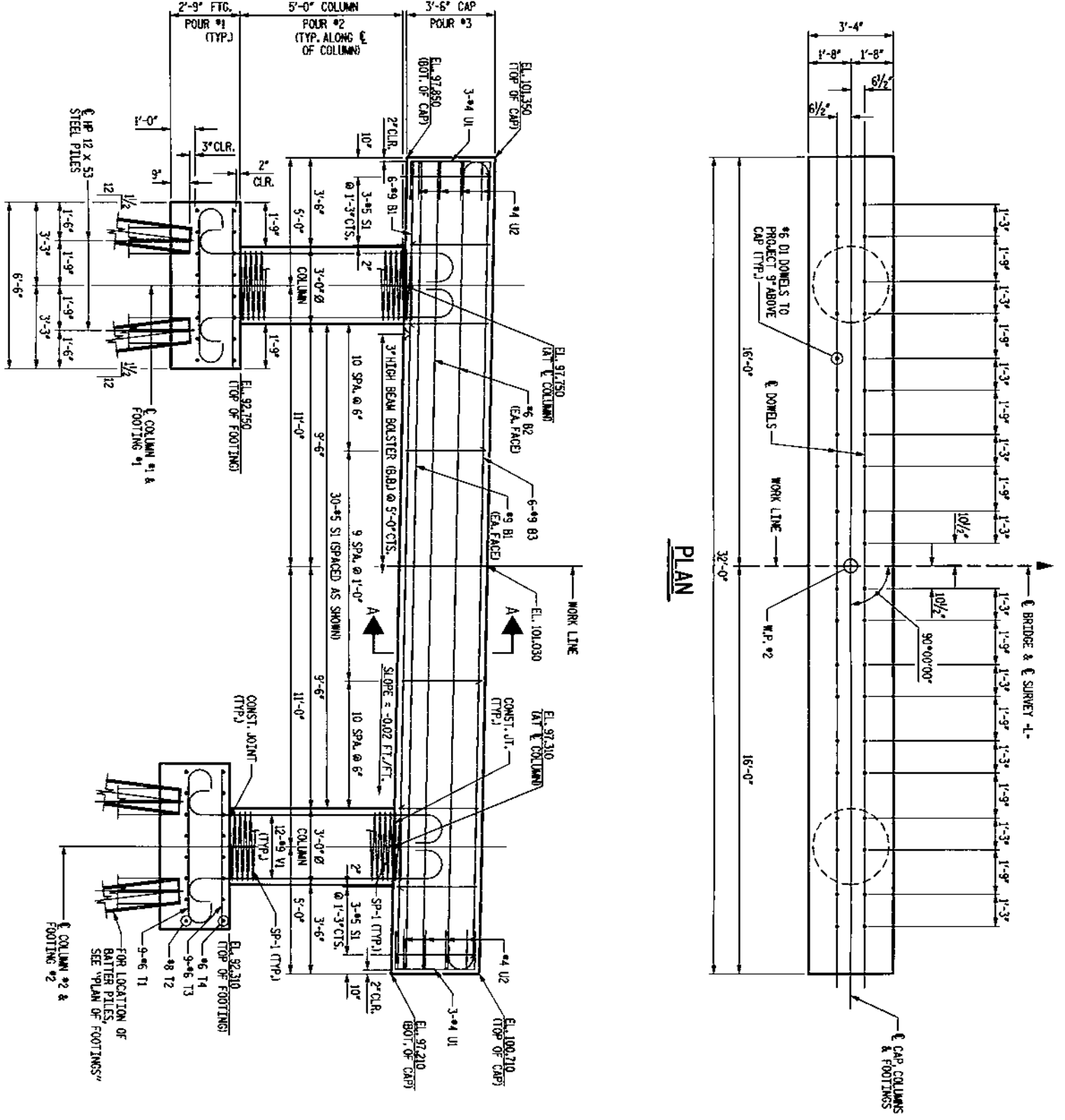
PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

CAST - IN - PLACE
 END BENTS #1 & #2 DETAILS

NO.	BY	DATE	REVISIONS	NO.	BY	DATE	TOTAL QUANTITY
1				8			23

DESIGNED BY: C.L. SMITH DATE: DEC. 2009
 CHECKED BY: J.C. MO DATE: DEC. 2009

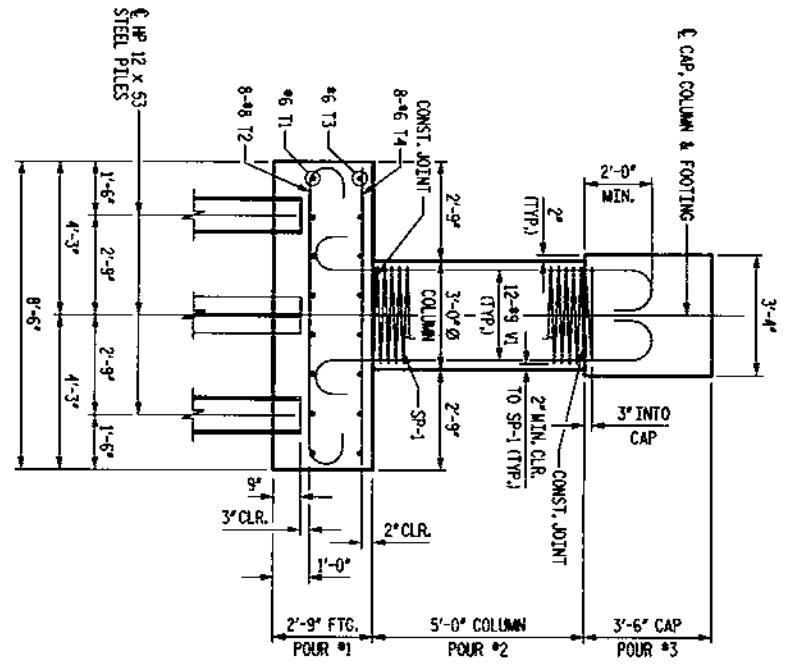


INVERT ALTERNATE #5 SI STIRRUPS.

ELEVATION

DETAILS SHOWN FOR FOOTINGS ARE TYPICAL.

END ELEVATION



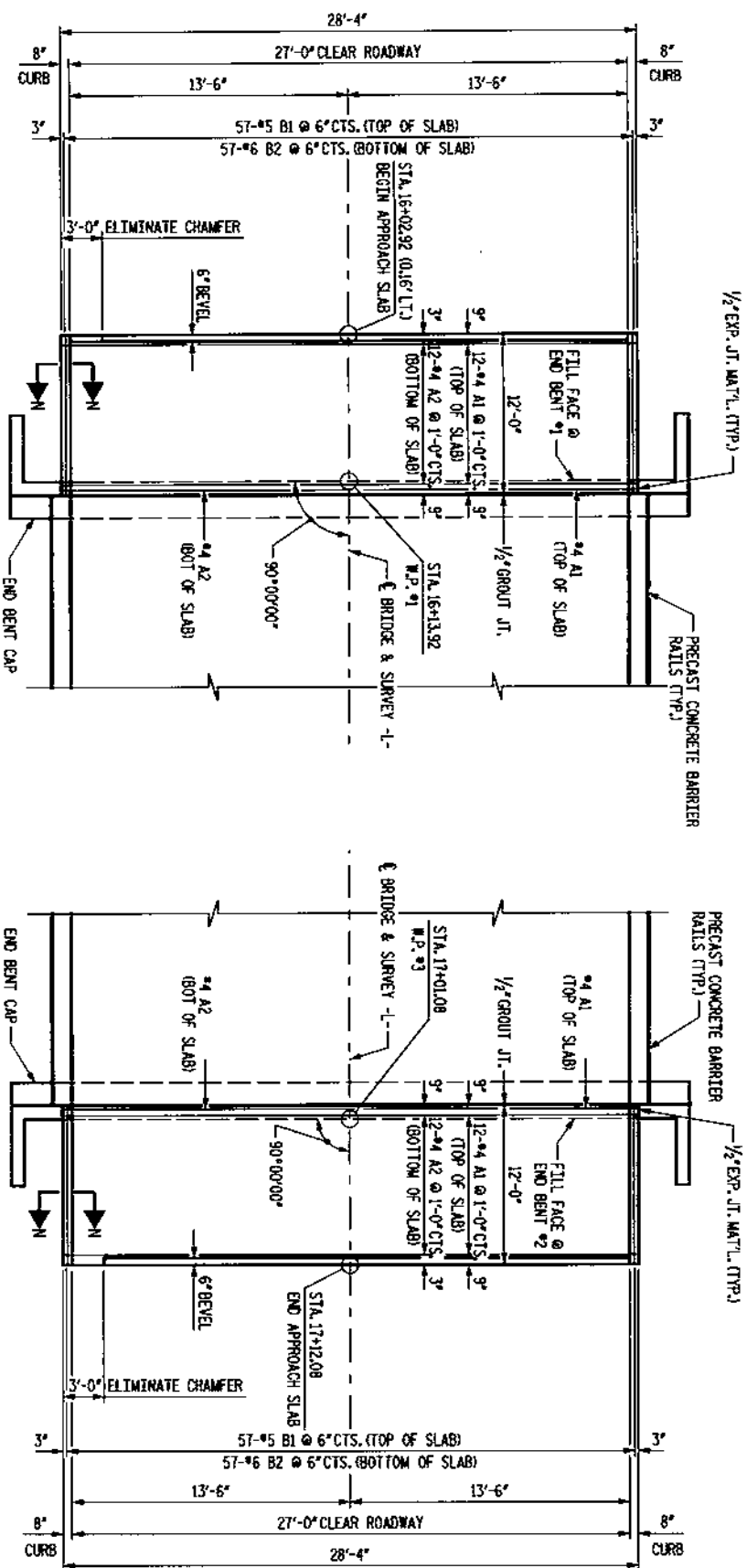
NOTES:
 STIRRUPS MAY BE SHIFTED SLIGHTLY AS NECESSARY TO CLEAR DOMELS.
 HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

NOT TO SCALE

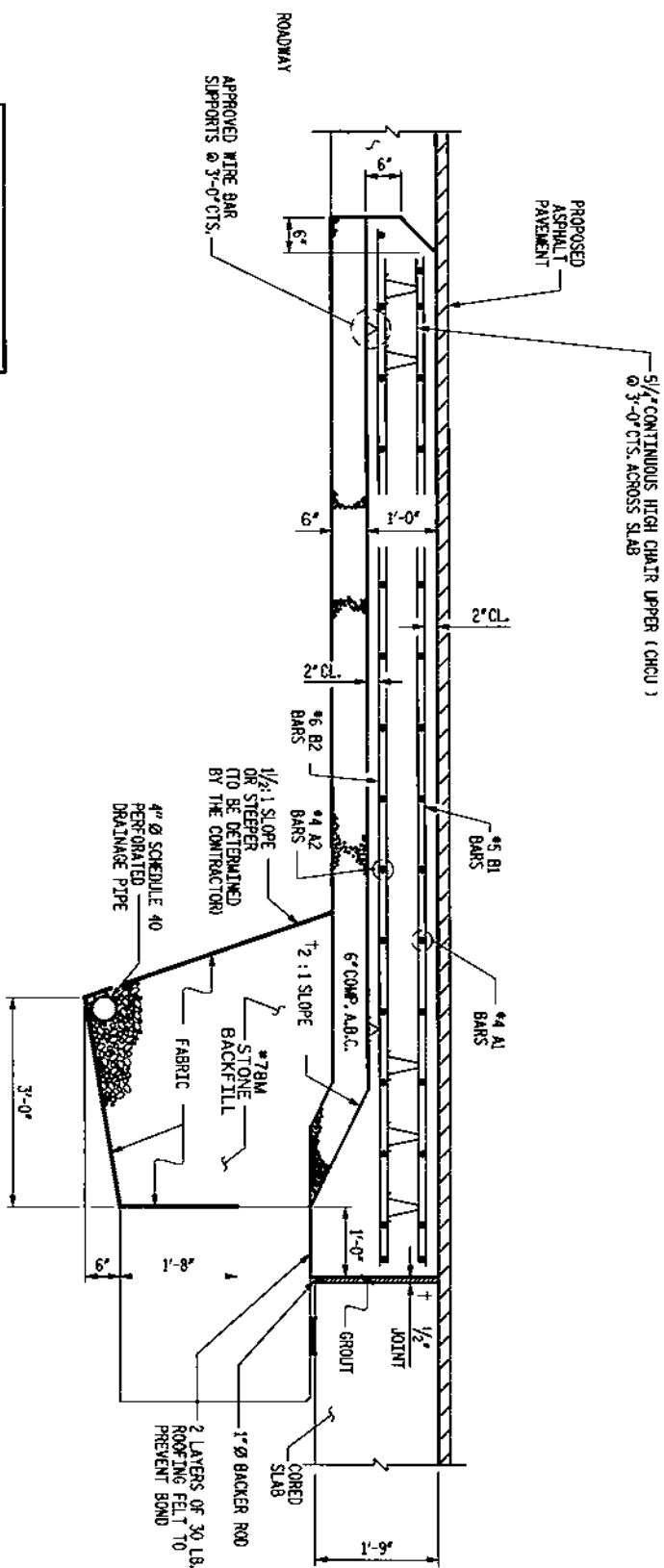
FH
Florence & Hutcheson
 CONSULTING ENGINEERS
 5121 Ralston Way, Suite 100, Raleigh, NC 27607
 NC License No. P19824



PROJECT NO. 42825		COUNTY: WILKES	
STATION: 16+57.50		REPLACES BRIDGE NO. 24	
STATE OF NORTH CAROLINA			
DEPARTMENT OF TRANSPORTATION			
RALEIGH			
CAST - IN - PLACE			
INTERIOR BENT #1			
27' CLEAR ROADWAY - 90° SKEW			
REVISIONS		DATE	
NO.	BY	NO.	BY
1		2	
2		3	
3		4	
TOTAL REVISIONS		DATE	
9		23	



PLAN OF APPROACH SLABS



SECTION THRU SLAB

NOTES

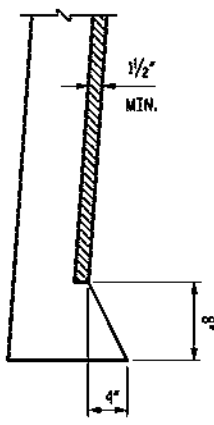
- FOR BRIDGE APPROACH FILL INCLUDING FABRIC, 4" Ø DRAINAGE PIPE, AND APPROACH SLAB BACKFILL, SEE BRIDGE APPROACH FILLS, SHEET 13.
- 78M STONE BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF END BENT CAP FROM OUTSIDE EDGE OF APPROACH SLAB.
- FOR THE 4" Ø DRAINAGE PIPE OUTLETS, SEE BRIDGE APPROACH FILLS, SHEET 13.
- AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED.
- THE 6" COMP. A.B.C. SHALL BE FLUSH WITH EACH EDGE OF APPROACH SLAB, SLAB AND SHALL BE FLUSH WITH THE ROADWAY END OF THE APPROACH SLAB.
- THE CONTRACTOR MAY USE 4" TYPE B-25.08 ASPHALT CONCRETE BASE COURSE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL BE FLUSH WITH THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.
- THE CONTRACTOR MAY USE 5" CLASS "A" CONCRETE BASE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL BE FLUSH WITH THE ROADWAY END OF THE APPROACH SLAB, AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 30 LB. ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.
- THE JOINT AT THE END BENT SHALL BE GROUTED AS SOON AS PRACTICAL AFTER THE CONSTRUCTION OF THE APPROACH SLABS.
- APPROACH SLAB GROOVING IS NOT REQUIRED.
- 78 STONE BACKFILL 4" Ø DRAINAGE PIPE, AND FABRIC SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR APPROACH SLABS.

BILL OF MATERIAL

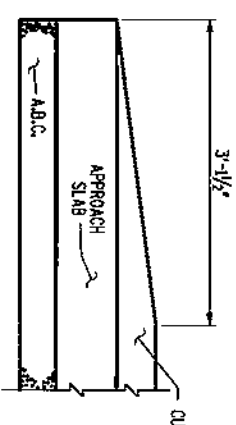
FOR ONE APPROACH SLAB (2 REQUIRED)

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	13	#4 STR	28'-0"	243
A2	13	#4 STR	28'-0"	243
*B1	57	#5 STR	11'-3"	669
B2	57	#6 STR	11'-8"	999

REINFORCING STEEL	LBS.	1,242
*EPOXY COATED REINFORCING STEEL	LBS.	912
CLASS AA CONCRETE	C.Y.	14.3



SECTION N-N



END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

† NORMAL TO END BENT

DRAWN BY: C.L. SMITH DATE: DEC 2009
CHECKED BY: A.K. ORR DATE: DEC 2009

SECTION THRU SLAB

NOT TO SCALE

FH Florence & Hutcheson
CONSULTING ENGINEERS
5111 Davidson Hwy, Suite 100, Durham, NC 27707
NC License No. 57228



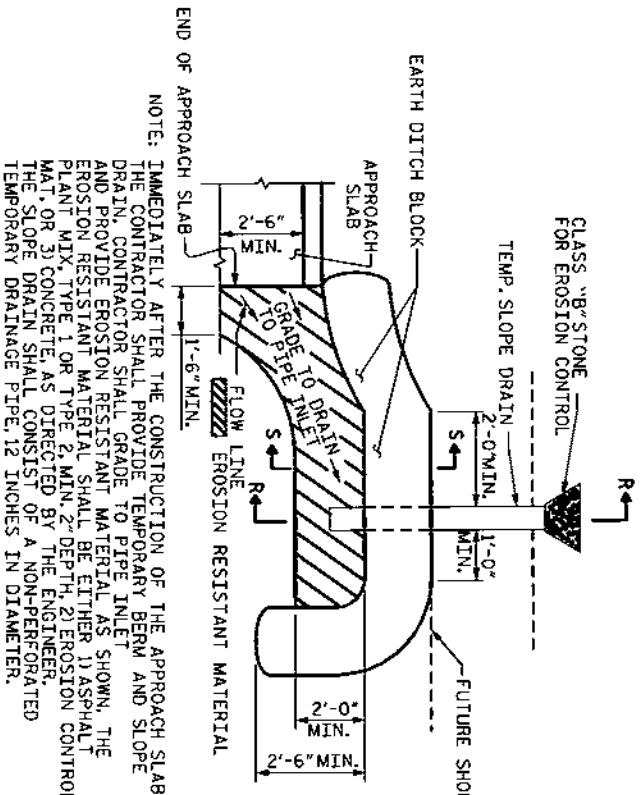
PROJECT NO. 42825
COUNTY: WILKES
STATION: 16 + 57.50
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RAILROAD

APPROACH SLAB
27'-0" CLEAR ROADWAY
90° SKEW

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

TOTAL SHEETS: 23

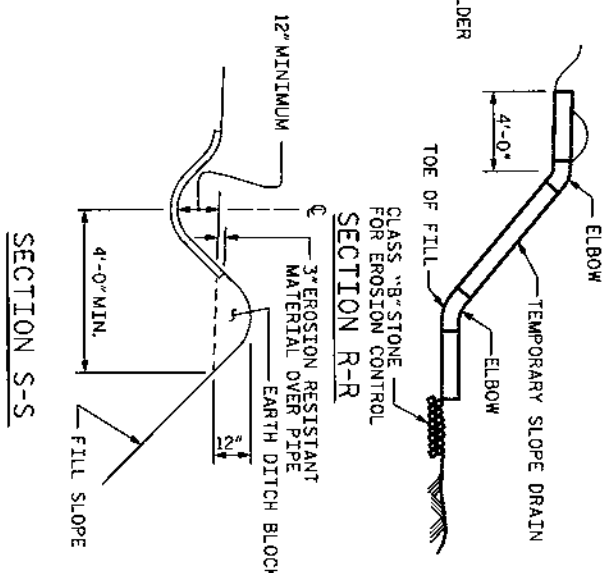


NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

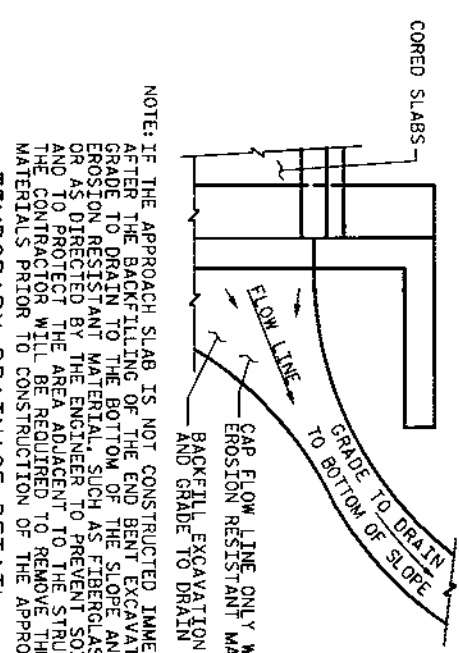
PLAN VIEW

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM CUTTER IS REQUIRED)



SECTION R-R



NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

TEMPORARY DRAINAGE DETAIL

DRAWN BY: C.L. SMITH DATE: DEC 2009
 CHECKED BY: J.E. HONOLUHUA DATE: DEC 2009

NOT TO SCALE

FH
Florence & Hutcheson
 CONSULTING ENGINEERS
 5151 Redwood Way, Suite 1100 Raleigh, NC 27607
 NC License No. E02028



NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
TOTAL SHEETS					
23					

PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

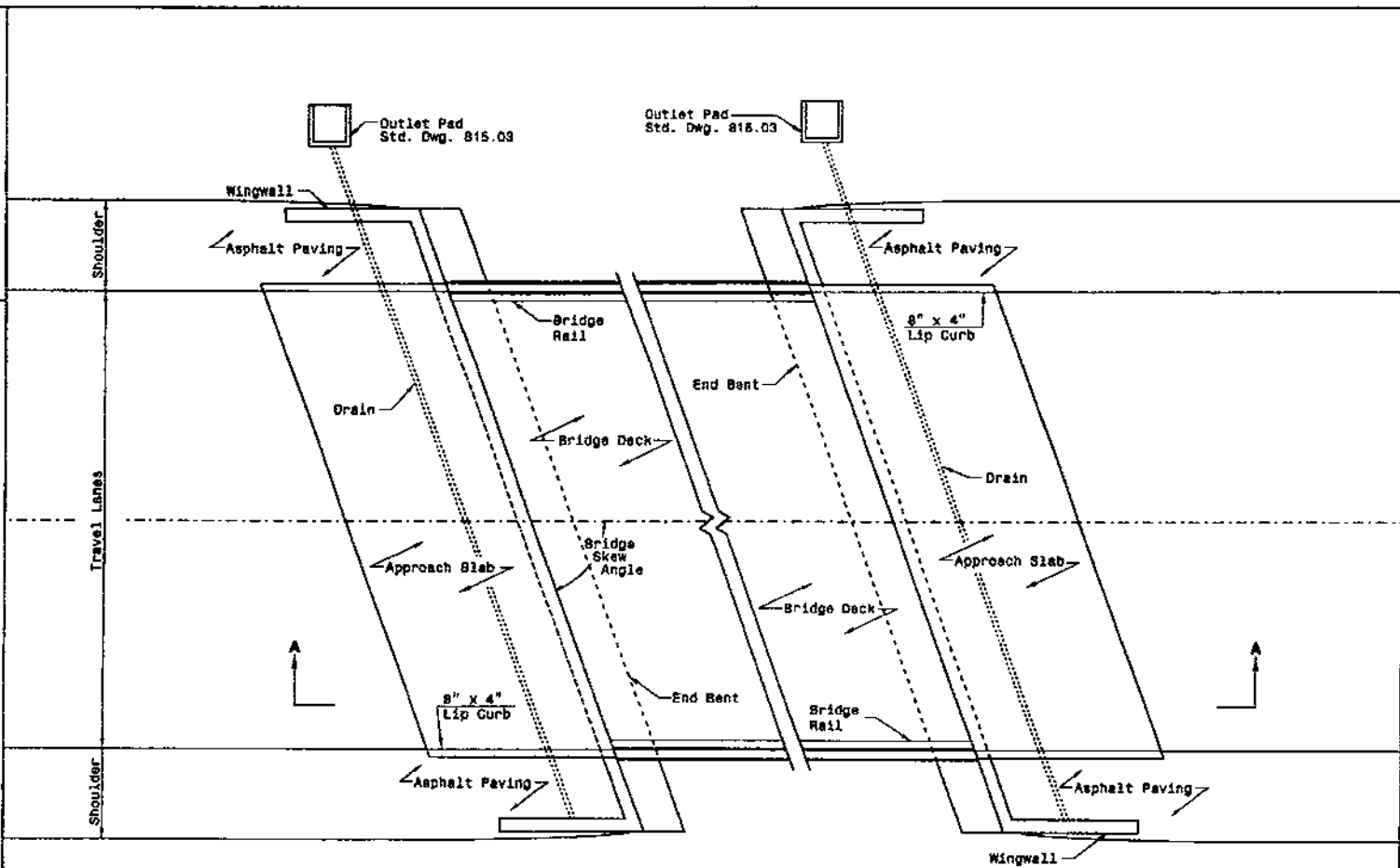
APPROACH SLAB
 27'-0" CLEAR ROADWAY
 60° SKEW

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
BRIDGE APPROACH FILLS
 CORED SLAB & BOX BEAM BRIDGES
 SUB REGIONAL TIER

ENGLISH DETAIL DRAWING FOR
BRIDGE APPROACH FILLS
 CORED SLAB & BOX BEAM BRIDGES
 SUB REGIONAL TIER



PLAN VIEW
12' APPROACH SLAB

SHEET 1 OF 2
422D11

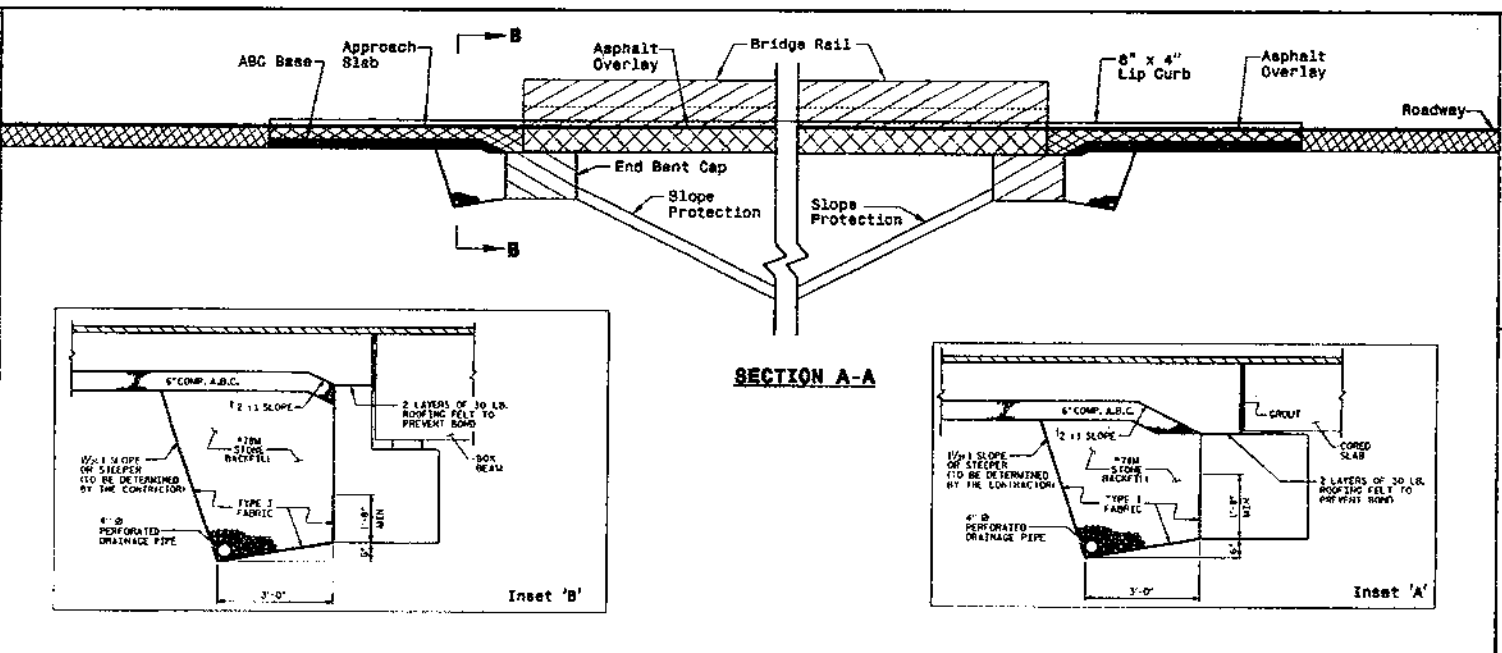
SHEET 1 OF 2
422D11

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

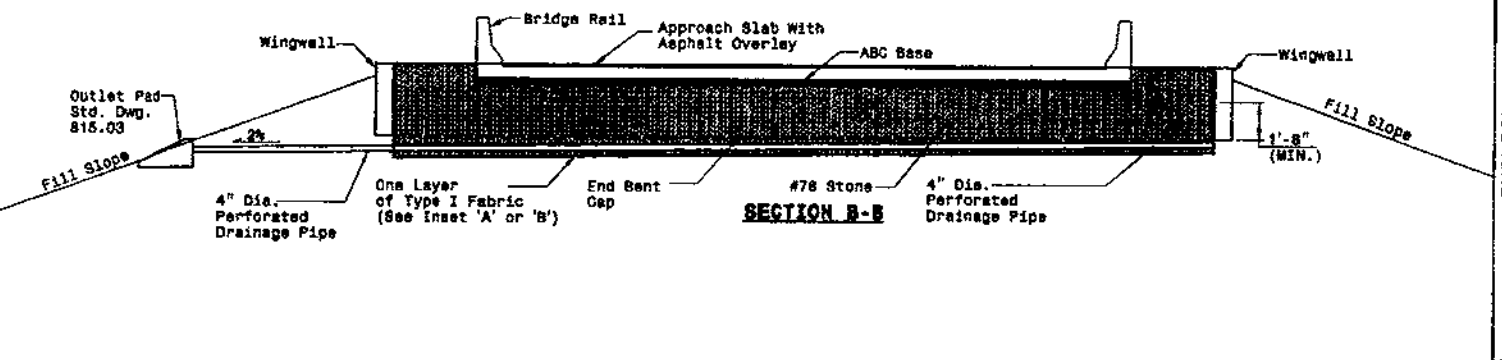
STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
BRIDGE APPROACH FILLS
 CORED SLAB & BOX BEAM BRIDGES
 SUB REGIONAL TIER

ENGLISH DETAIL DRAWING FOR
BRIDGE APPROACH FILLS
 CORED SLAB & BOX BEAM BRIDGES
 SUB REGIONAL TIER



SECTION A-A



SECTION B-B

12' APPROACH SLAB

SHEET 2 OF 2
422D11

SHEET 2 OF 2
422D11

PROJECT SERVICES UNIT
 STANDARDS AND SPECIAL DESIGN
 OFFICE 919-250-4128 FAX 919-250-4119

BRIDGE APPROACH FILLS
 CORED SLAB & BOX BEAM BRIDGES
 SUB REGIONAL TIER

ORIGINAL BY: K. A. Kempf DATE: 6-10-08
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC: 11/16/08



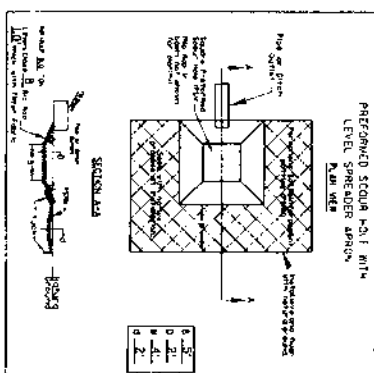
PROJECT NUMBER NO. B-5227
 SHEET NO. 3

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY BSM ASSOCIATES, INC. FOR WORKSHEET "B-2" WITH NAD 83 STATE PLANE GRID COORDINATES OF WORKING PARADIGM EASTING: 1415000.000M THE MERGEE CORNERED GRID USED ON THIS PROJECT (ROUND TO GRID IS MADE APPLICABLE) THE NAD 83 STATE PLANE GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM -86-2-10 E. STATION 15+00.00 IS N 41° 41' 43" E, 192.32' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS ASSUMED

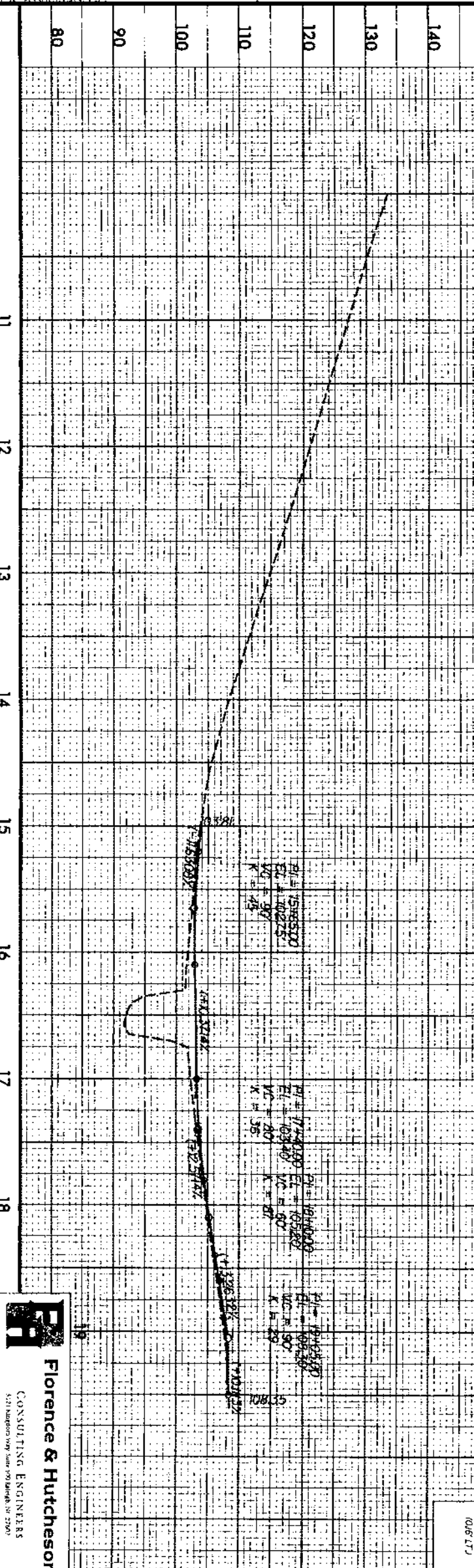
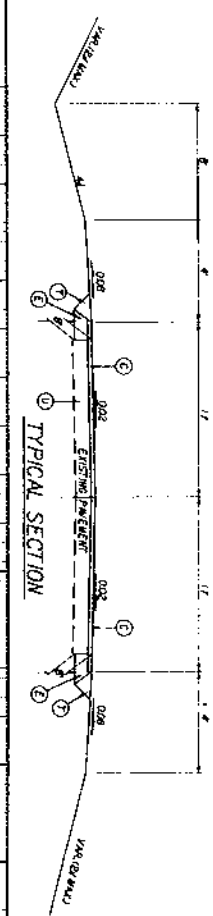
RIGHT OF WAY AREA DATA

PANEL NO.	PROPERTY OWNER NAME	TOTAL ACRES	AREA IN ACRES	COUNTY	REMARKS
1	ALVIN GREGORY	0.10	0.10	WYOMING	REQUIREMENT DRAINAGE BASIN
2	THELMA BROOKS JOHNSON	0.01	0.01	WYOMING	REQUIREMENT DRAINAGE BASIN



PAVEMENT SCHEDULE

(C)	2 1/2" SURFACE COURSE, TYPE SF95A
(E)	5 1/2" BASE COURSE, TYPE B850B
(T)	EARTH MATERIAL
(U)	EXISTING PAVEMENT



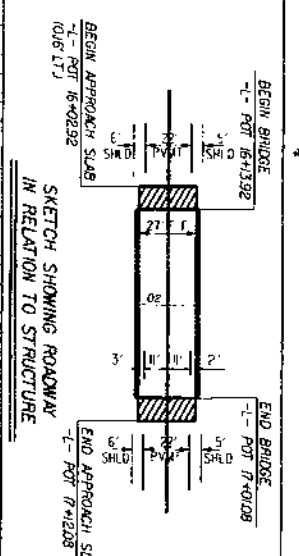
PI Sta 10+70.07 Δ = 8'25.17' (LT) D = 10'00' 00.0" L = 84.21' T = 42.18' R = 572.96'	PI Sta 15+16.12 Δ = 44'33' 23.9" (RT) D = 22'00' 00.0" L = 202.53' T = 106.70' R = 260.44'	PI Sta 17+54.20 Δ = 5'09' 20.2" (RT) D = 6'00' 00.0" L = 85.93' T = 42.99' R = 954.93'	PI Sta 18+90.99 Δ = 5'12' 38.8" (LT) D = 8'00' 00.0" L = 65.13' T = 32.59' R = 716.20'
---	---	---	---



PROJECT REFERENCE NO. B-5227
SHEET NO. 14

ROADWAY DESIGN ENGINEER
DAVID C. MILLER
20233 M

HYDRAULICS ENGINEER
ALVIN WILLIAMS
20233 M



PROJECT NO. 42875
COUNTY: WILKES
STATION: 16+57.50
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE NO. 24 ON SR 2428
OVER HUNTING CREEK

Florence & Hutcheson
CONSULTING ENGINEERS
5211 HUNTERS WAY SUITE 100 RALEIGH, NC 27601
NC License No. E-6519

REVISIONS

NO.	DATE	BY	REVISION
1			
2			

TIP PROJECT: B-5227

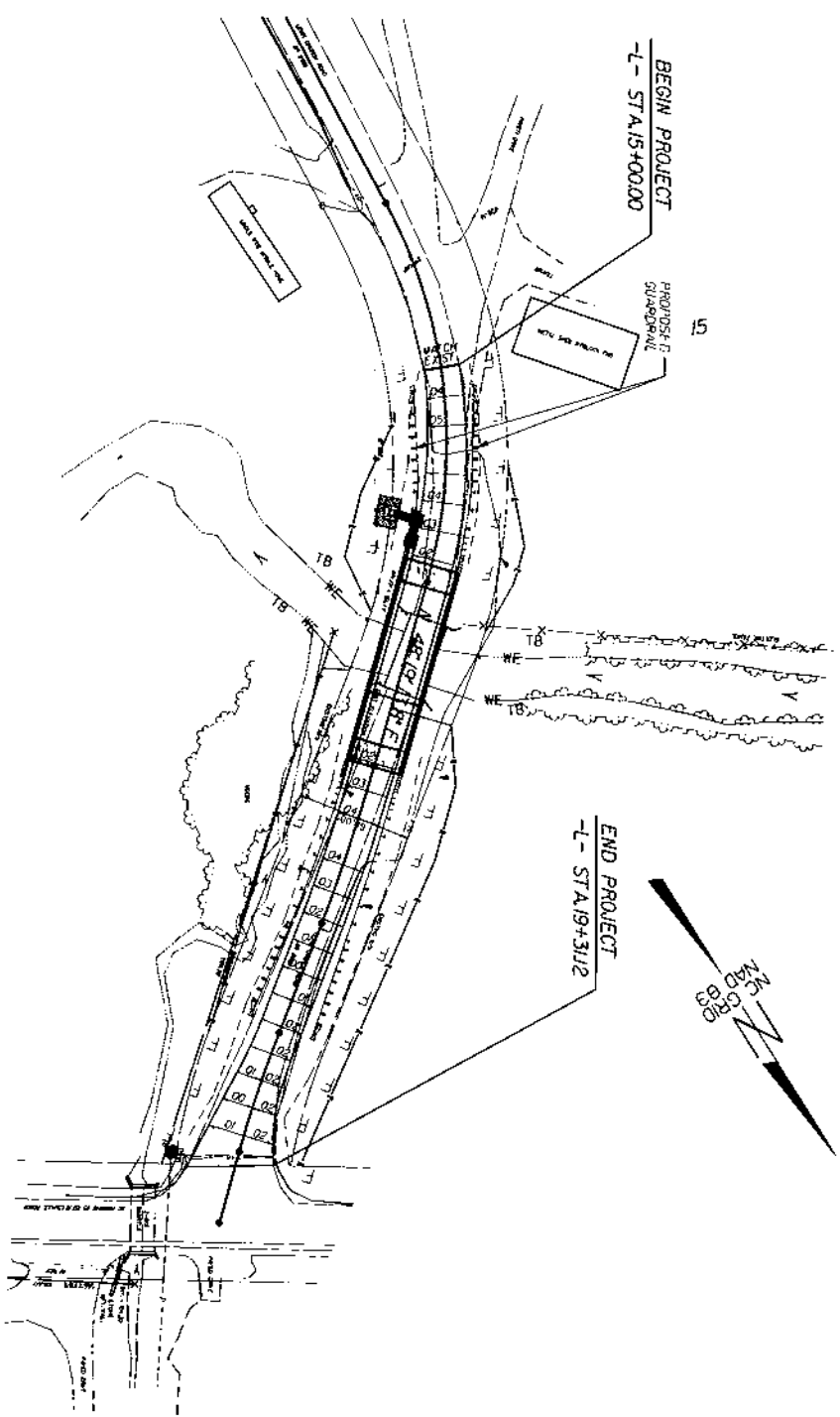
STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

WILKES

LOCATION: BRIDGE NO. 24 OVER HUNTING CREEK ON SR 2423
TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURES



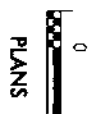
STATE	N.C.	SHEET NO.	EC-1
PROJECT NUMBER	B-5227	TOTAL SHEETS	
DATE		DESIGNER	

EROSION AND SEDIMENT CONTROL MEASURES

Seq. #	Description	Symbol
1630.03	Temporary Silt Ditch	—
1630.05	Temporary Diversion	—
1605.01	Temporary Silt Fence	—
1606.01	Special Sediment Control Fence	—
1622.01	Temporary Berms and Slope Drains	—
1633.01	Silt Basin Type B	—
	Temporary Rock Silt Check Type-A	—
	Temporary Rock Silt Check Type-A with Matting and Polyethylene (PAM)	—
	Temporary Rock Silt Check Type-B	—
	Wall	—
1634.01	Temporary Rock Sediment Dam Type-A	—
1634.02	Temporary Rock Sediment Dam Type-B	—
1635.01	Rock Pipe Inlet Sediment Trap Type-A	—
1635.02	Rock Pipe Inlet Sediment Trap Type-B	—
1630.04	Sillings Basin	—
1630.06	Special Sillings Basin	—
	Rock Inlet Sediment Trap	—
1632.01	Type A	—
1632.02	Type B	—
1632.03	Type C	—
	Skimmer Basin	—
	Tiered Skimmer Basin	—
	Infiltration Basin	—

SHEET NO. 15 OF 23

GRAPHIC SCALE



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

ROADSIDE ENVIRONMENTAL UNIT

2006 STANDARD SPECIFICATIONS

Prepared in the Office of:

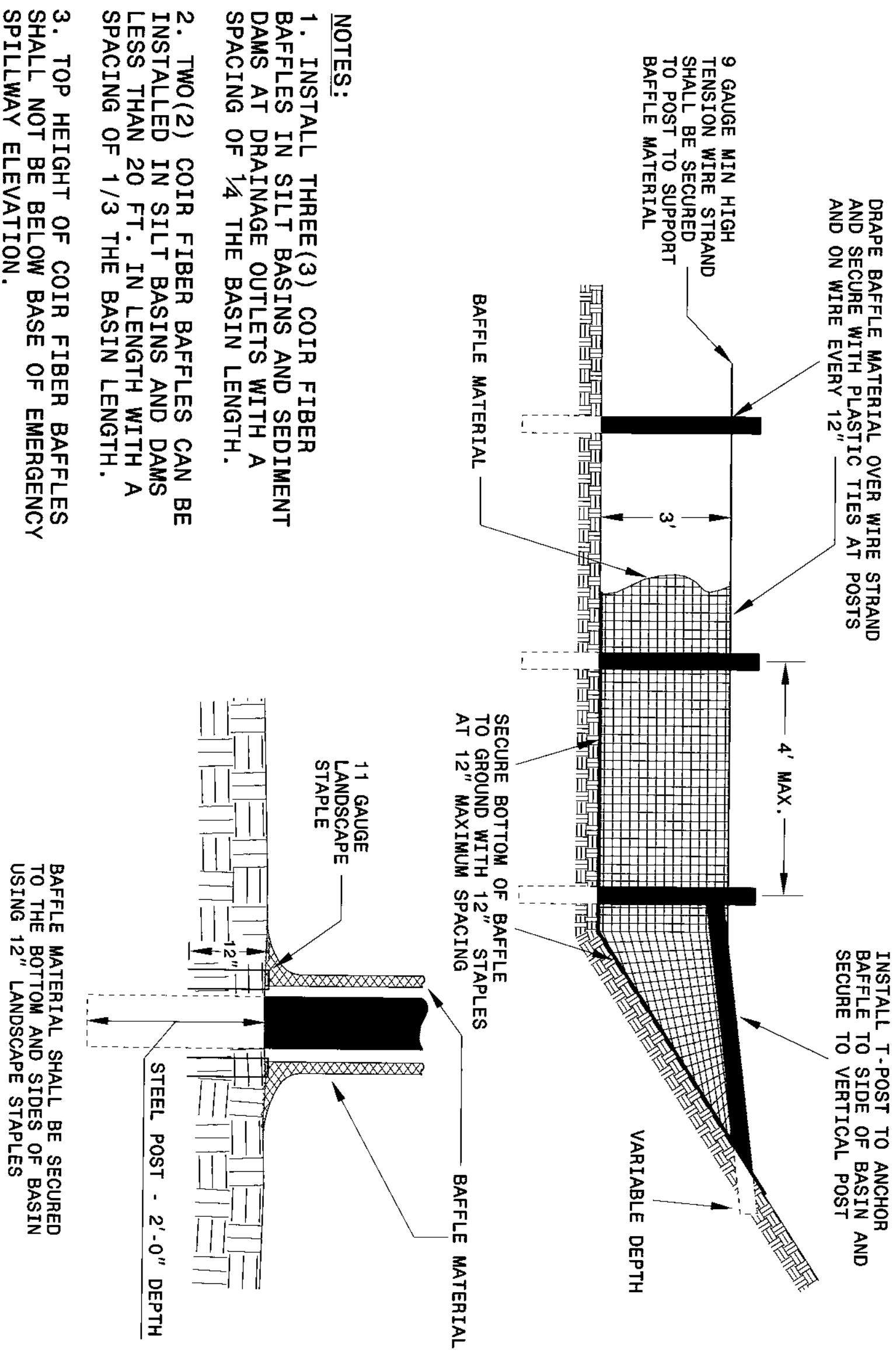
1 South Wilmington St.
Raleigh, NC 27611

Roadway Standard Drainage

The following roadway design standards as appear in "Roadway Standard Drainage", Roadway Design Unit - N.C. Department of Transportation - Raleigh, N.C., dated July 15, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

- 1605.01 Temporary Silt Fence
- 1606.01 Special Sediment Control Fence
- 1607.01 Gravel Construction Entrance
- 1622.01 Temporary Berms and Slope Drains
- 1632.03 Rock Inlet Sediment Trap Type C
- 1634.02 Temporary Rock Sediment Dam Type B

COIR FIBER BAFFLE DETAIL

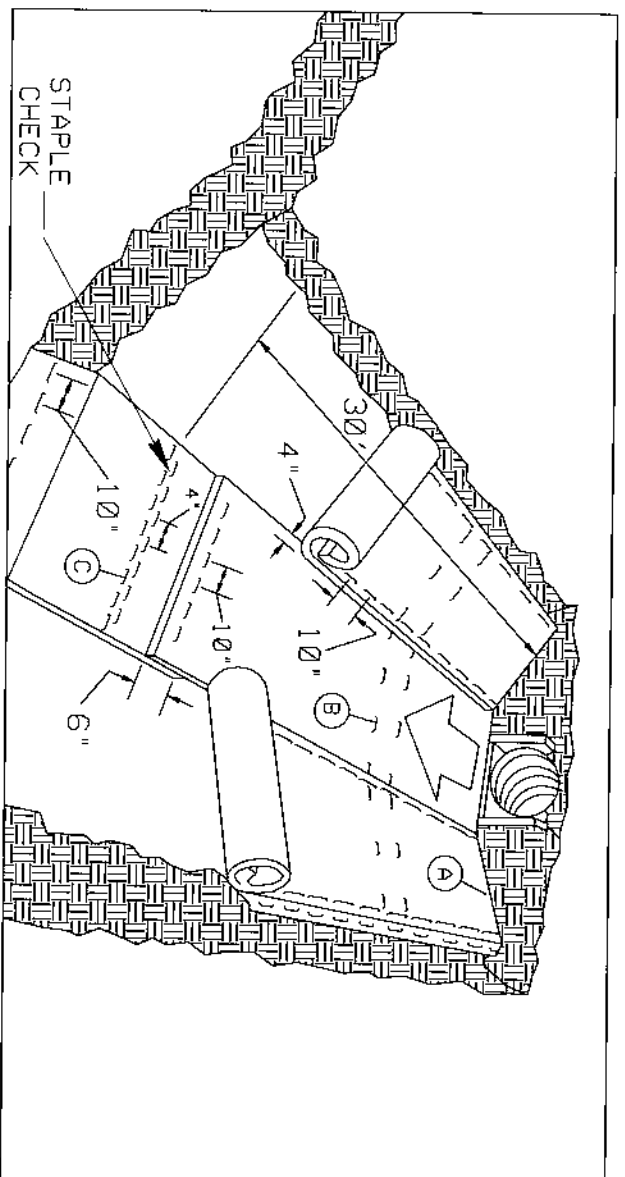


PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

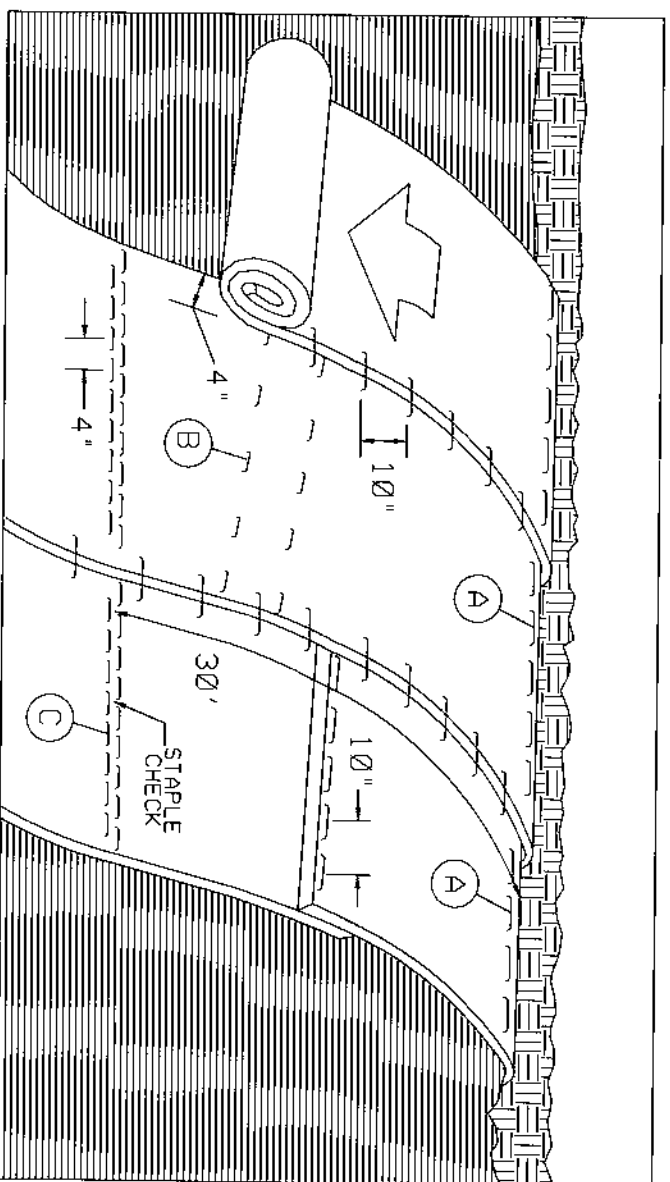
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 BRIDGE NO. 24 ON SR 2428
 OVER HUNTING CREEK

NO.	REV.	DATE	BY	DATE	SHEET NO.	TOTAL SHEETS
1					16	23

MATTING INSTALLATION DETAIL



MATTING IN DITCHES



MATTING ON SLOPES

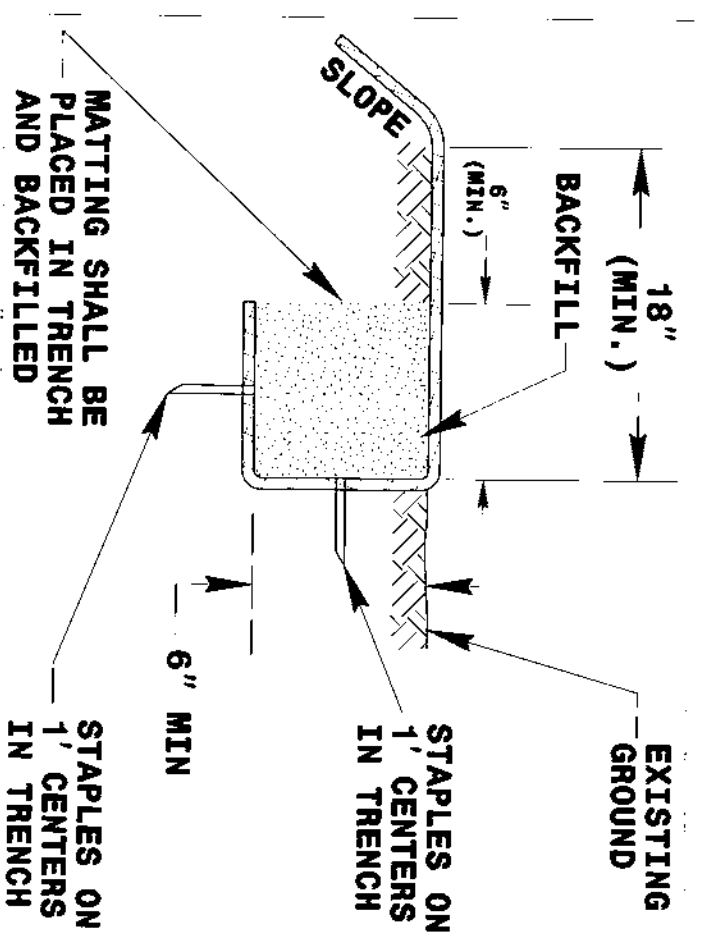


DIAGRAM (A)

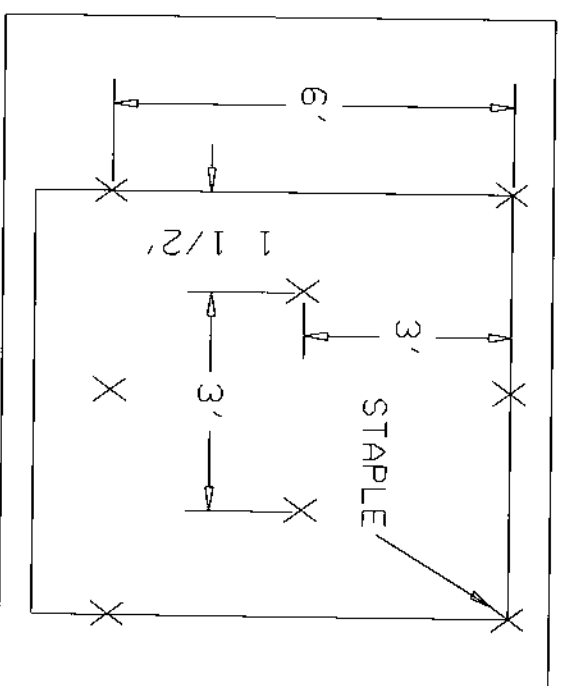


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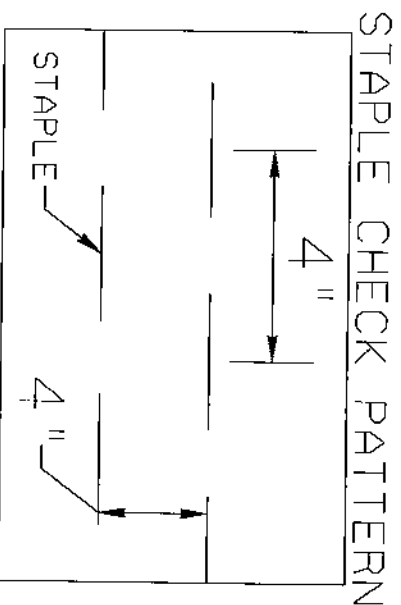


DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSTOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.
 STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

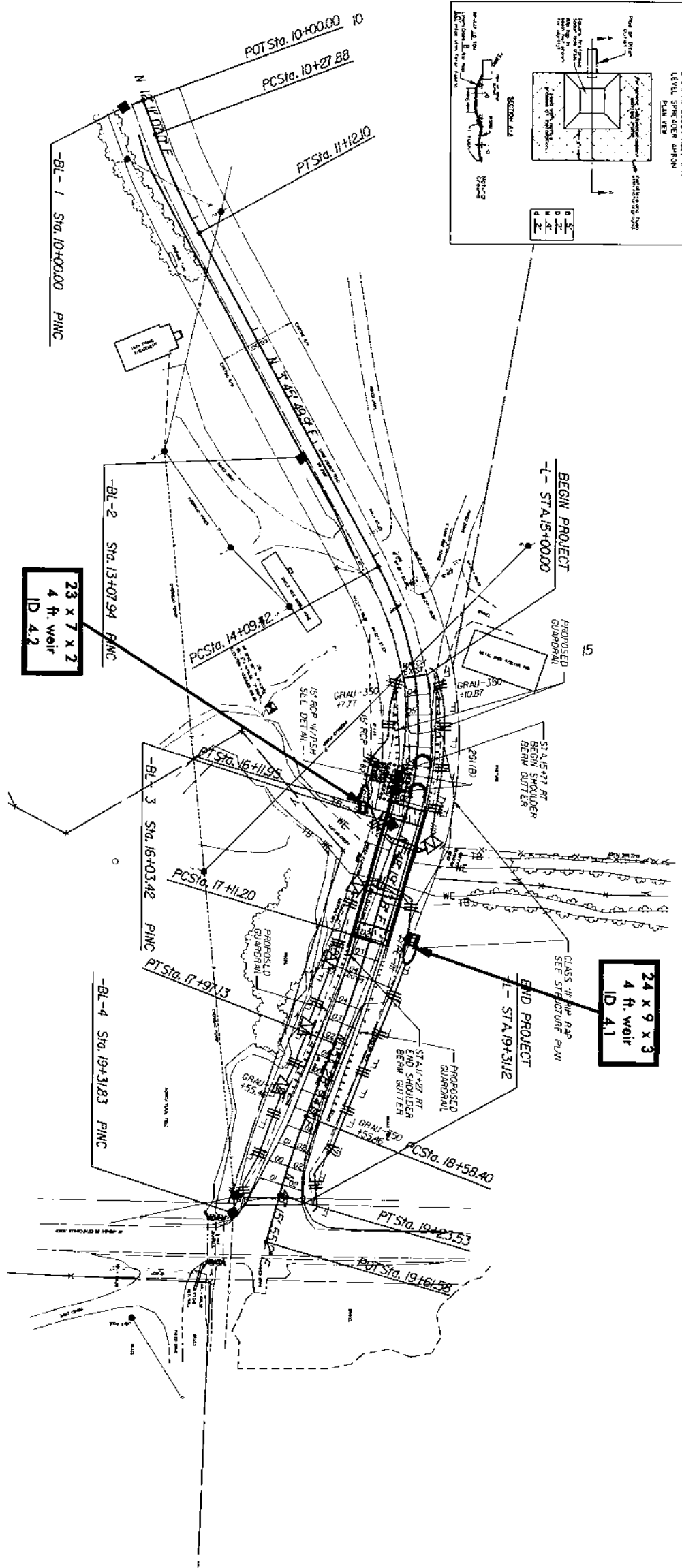
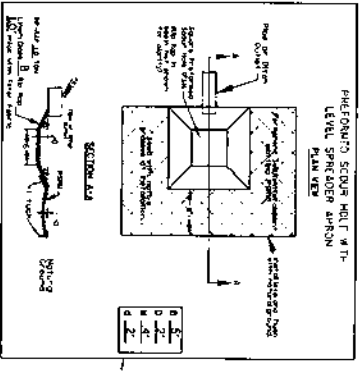
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 SALEM, NC

BRIDGE NO. 24 ON SR 2428
 OVER HUNTING CREEK

NO.	BY	DATE	NO.	BY	DATE	SHEET NO.	TOTAL SHEETS
1			5			17	
2			4			23	



PROJECT REFERENCE NO. B-5227
 SHEET NO. EC-3
 DRAWING SHEET NO.



NOTE:
 PERIMETER EROSION CONTROL MEASURES SHALL BE
 INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

NOTE:
 UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B
 AS STILING BASIN WHERE APPLICABLE.

PROJECT NO. 42825
 COUNTY: WILKES
 STATION: 16+57.50
 REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 MALDEN

BRIDGE NO. 24 ON SR 2428
 OVER HUNTING CREEK

NO.	REV.	DATE	BY	CHKD.	TOTAL SHEETS
1					18
2					23

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS", ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TRAFFIC PATTERN ALTERATIONS

- A) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.
- B) PROVIDE PERMANENT SIGNING.
- C) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS. PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS, UNLESS OTHERWISE NOTED.
- D) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- E) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- F) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- G) INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:
 - ROAD NAME
 - MARKING
 - 1. SR 2428
 - (LEWIS CHURCH RD.)
 - PAINT
- H) PLACE AT LEAST TWO APPLICATION OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE ON NEW ASPHALT PAVEMENT. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

1) CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS, WITHIN THE PROJECT LIMITS, AT ALL TIMES.

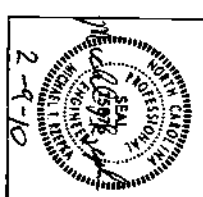
LOCAL NOTES

PHASE I

- STEP 1: - USING ROADWAY STANDARD DRAWING NUMBER 1101.04, SHEET 1 OF 1, INSTALL ALL TEMPORARY ROAD CLOSURE SIGNS KEEPING SIGNS COVERED (SEE ROADWAY STANDARD DRAWING NUMBER 1101.03, SHEETS 1 OF 9 AND 2 OF 9).
- WORKING IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 2.
- STEP 2: - CLOSE SR 2428 (LEWIS CHURCH RD.) TO TRAFFIC. UNCOVER ALL TEMPORARY ROAD CLOSURE SIGNS AND SHIFT TRAFFIC TO DETOUR (SEE SHEET 16).
- STEP 3: - DISMANTLE AND REMOVE EXISTING BRIDGE NUMBER 201.
- STEP 4: - COMPLETE CONSTRUCTION OF PROPOSED STRUCTURE, APPROACH ROADWAY TIE-INS, AND ASSOCIATED ITEMS.
- STEP 5: - PLACE FINAL PAVEMENT MARKINGS (PAINT) ON SR 2428 (LEWIS CHURCH RD.).
- WORKING IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING WORK IN PHASE I, STEP 6.
- STEP 6: - USING ROADWAY STANDARD DRAWING NUMBER 1101.04, SHEET 1 OF 1, REMOVE ALL TEMPORARY ROAD CLOSURE SIGNS, ALL TRAFFIC CONTROL DEVICES AND OPEN SR 2428 (LEWIS CHURCH RD.) TO TRAFFIC.

FINAL PAVT MARKING SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY BREAKDOWN	PAY ITEM	TOTAL QUANTITY
PA	WHITE EDGE LINE 2X	1,724 LF	PAINT (4")	3,448 LF
PI	YELLOW DOUBLE CENTER LINE 2X	1,724 LF		
			TOTAL	
				3,448 LF



PROJECT REFERENCE NO.	SHEET NO.
MA10048	
REV. SHEET NO.	

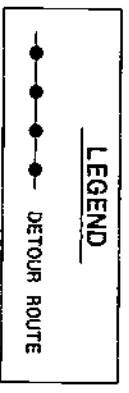
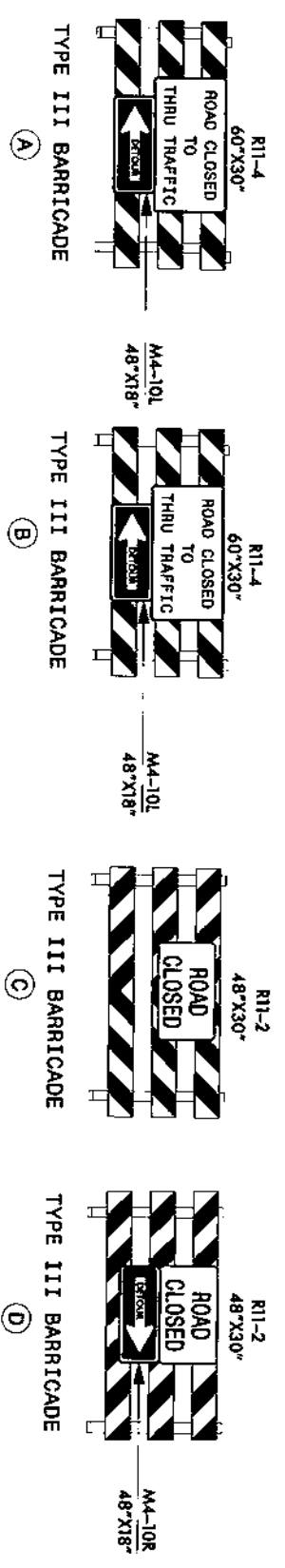
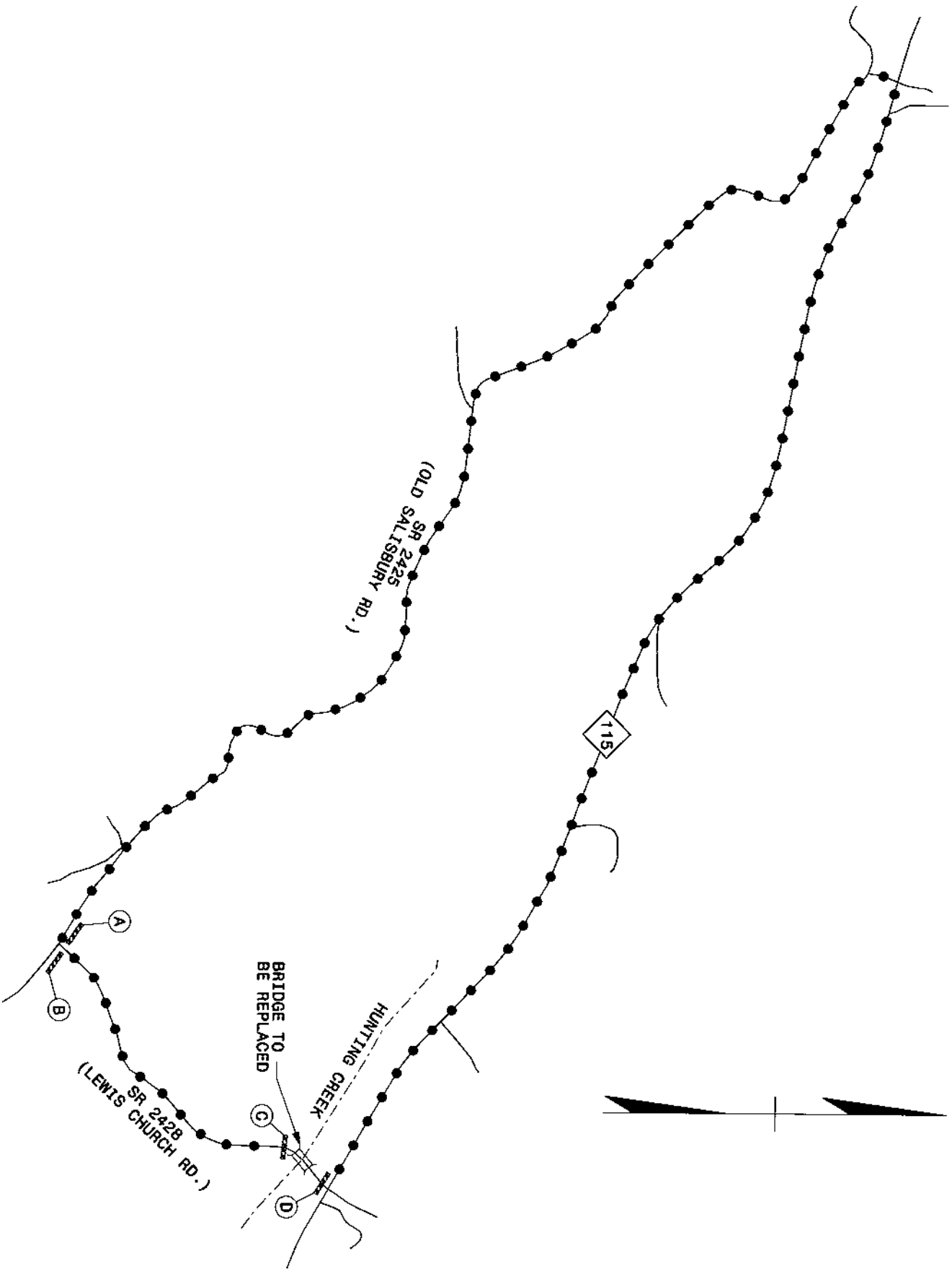
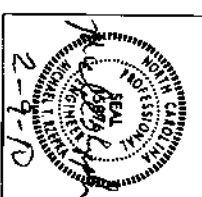
FH Florence & Hutcheson
CONSULTING ENGINEERS
5121 Regency Way, Suite 600 Raleigh, NC 27607
NO. 1 License No. E-10286

PROJECT NO. 42825
COUNTY: WILKES
STATION: 16+55.00
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE NO. 24 ON SR 2428
OVER HUNTING CREEK

NO.	BY	DATE	NO.	BY	DATE
1			2		
3			4		
5			6		



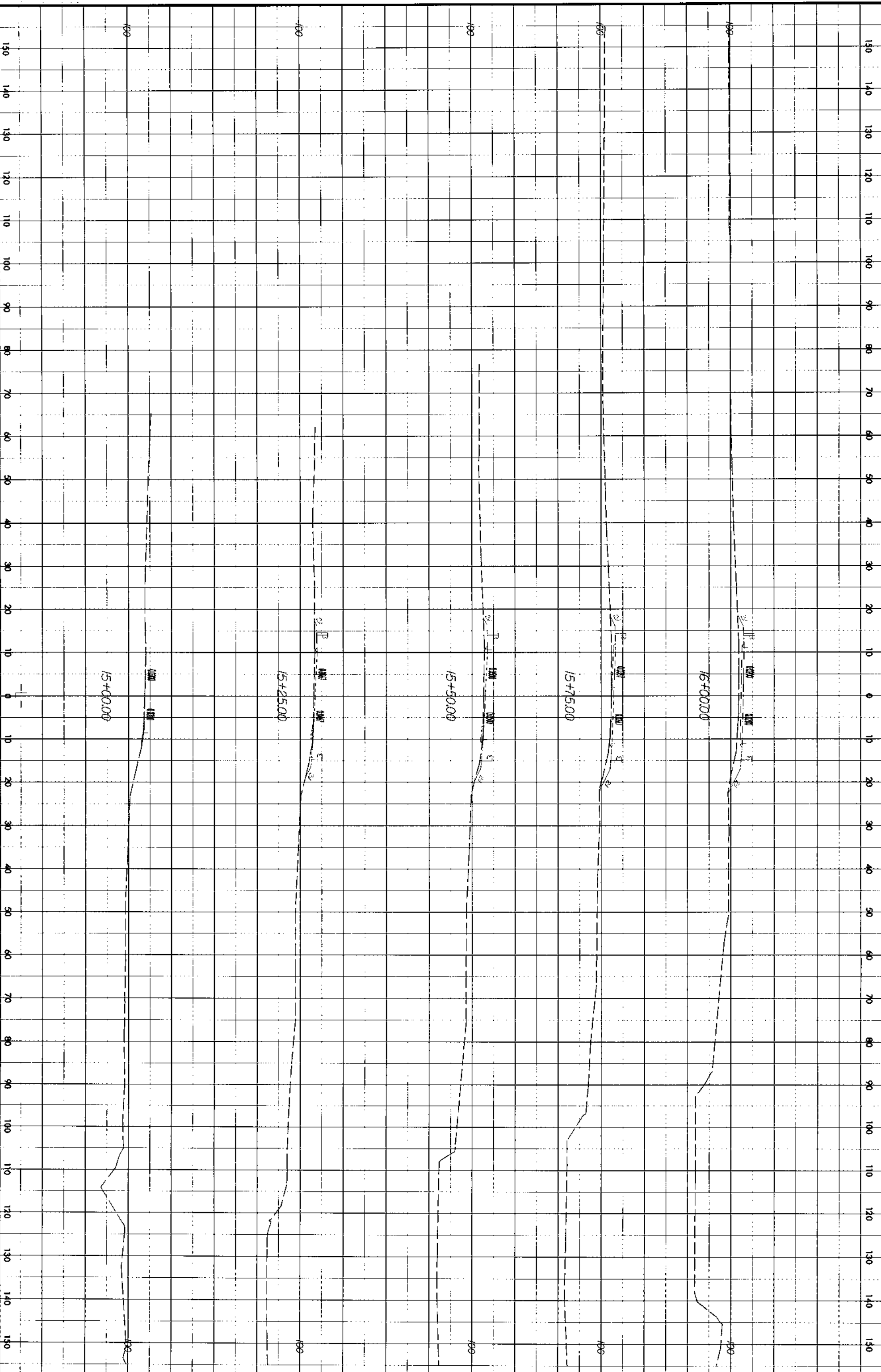
PROJECT NO. 42825
COUNTY: WILKES
STATION: 16 + 55.00
REPLACES BRIDGE NO. 24

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 MALLONB

BRIDGE NO. 24 ON SR 2428
OVER HUNTING CREEK

FH Florence & Hutcheson
 CONSULTING ENGINEERS
 5121 Highway 707, Suite 100, Mooresville, NC 28107
 NC License No. 70944

NO.	DATE	BY	DATE
1			
2			
3			



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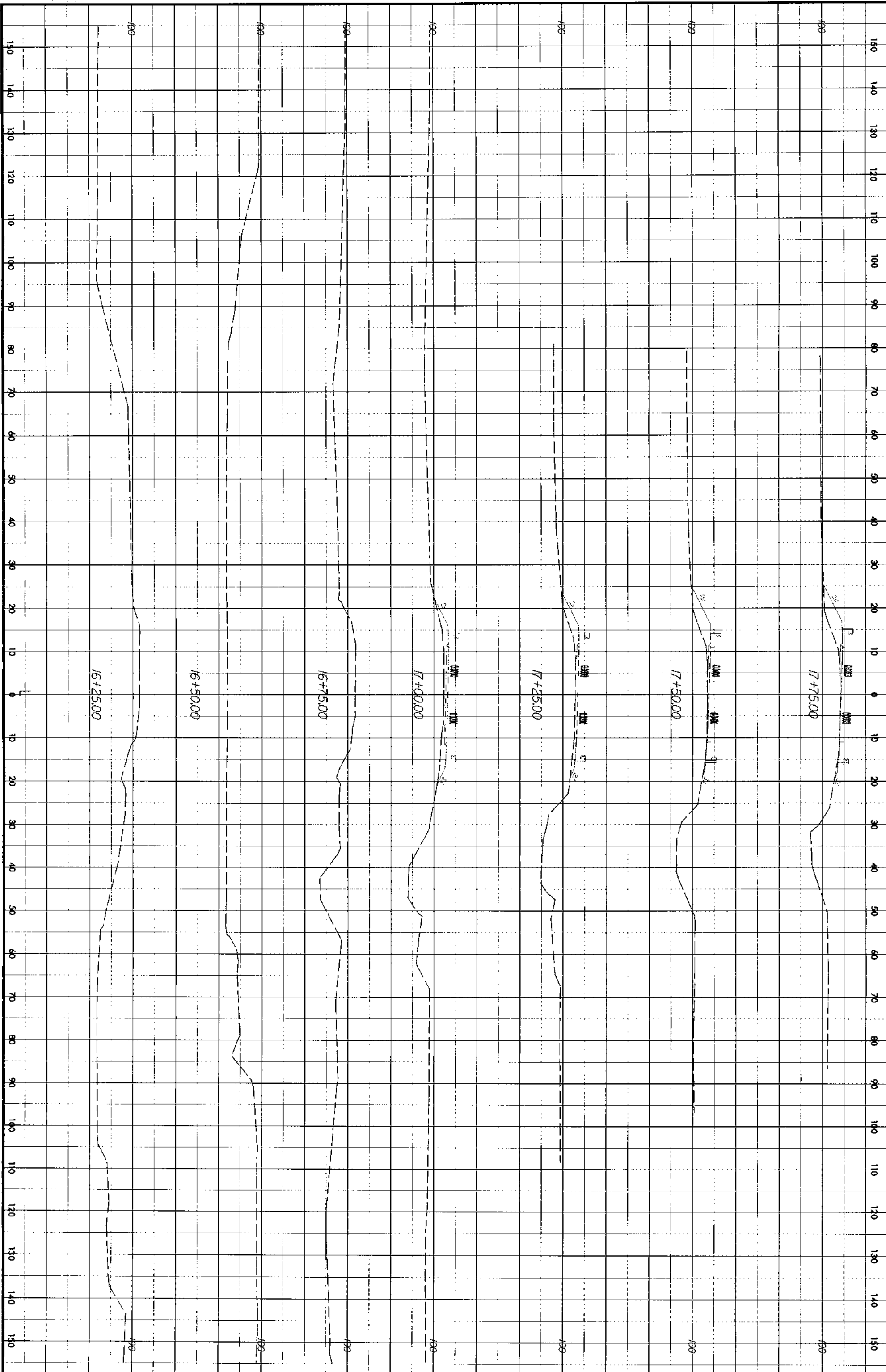
15+00.00

15+25.00

15+50.00

15+75.00

15+00.00



17+75.00

17+50.00

17+25.00

17+00.00

16+75.00

16+50.00

16+25.00

