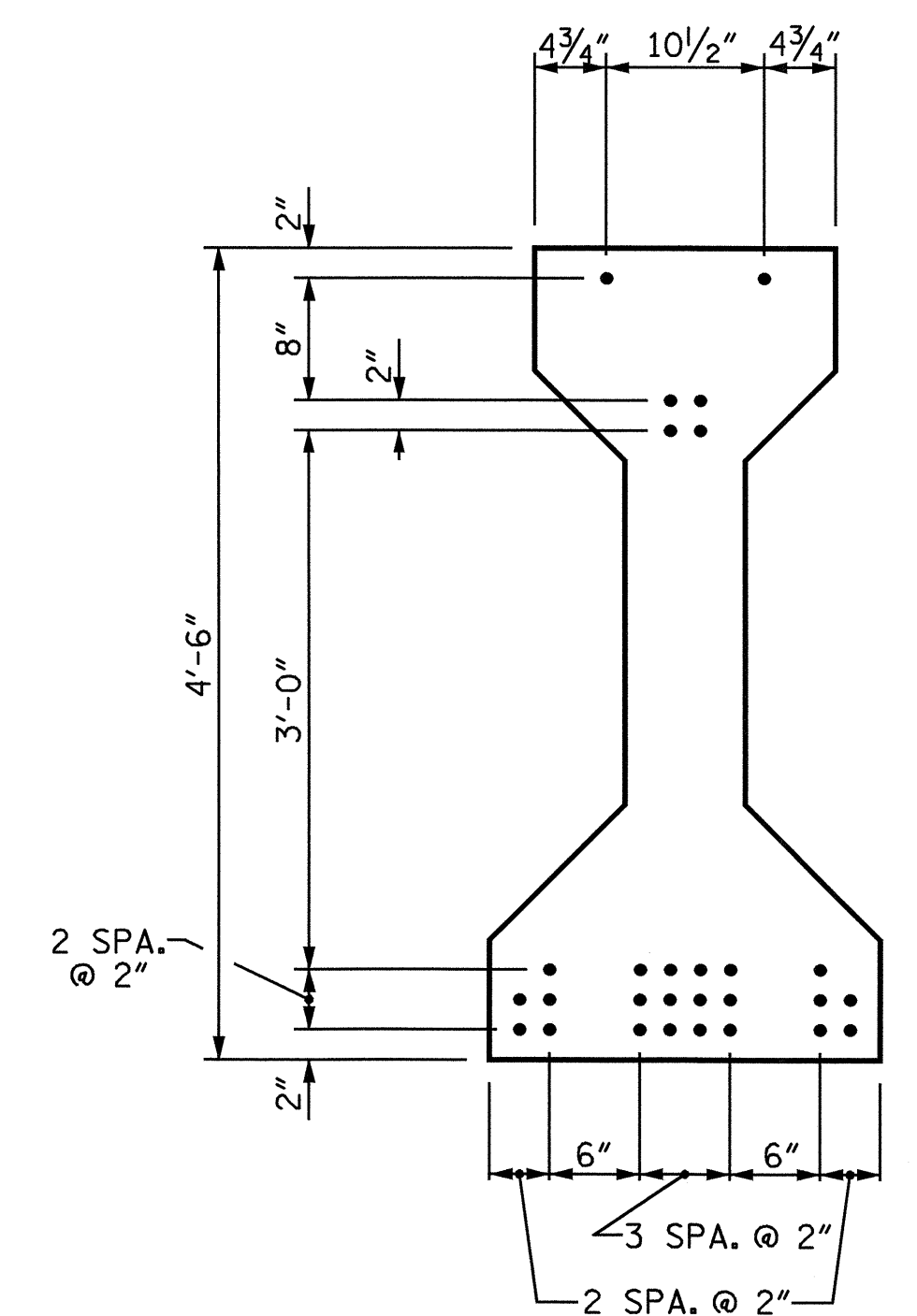
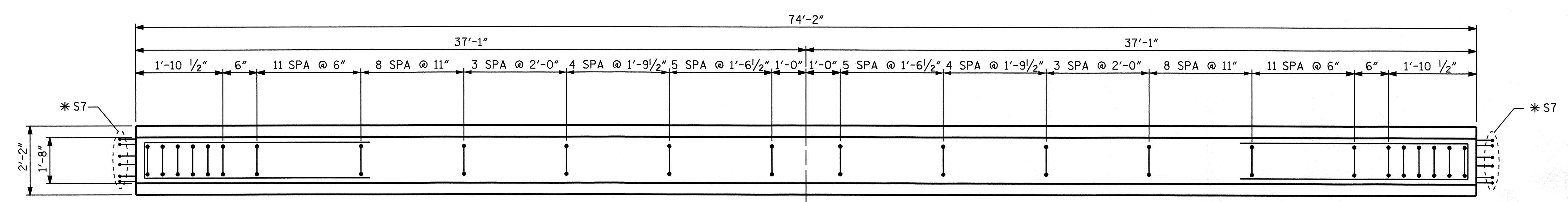


* FOR S7 BARS, SEE
 DETAIL "A" OF "PRESTRESSED
 CONCRETE GIRDER CONTINUOUS
 FOR LIVE LOAD DETAILS"
 SHEET 3 OF 3.

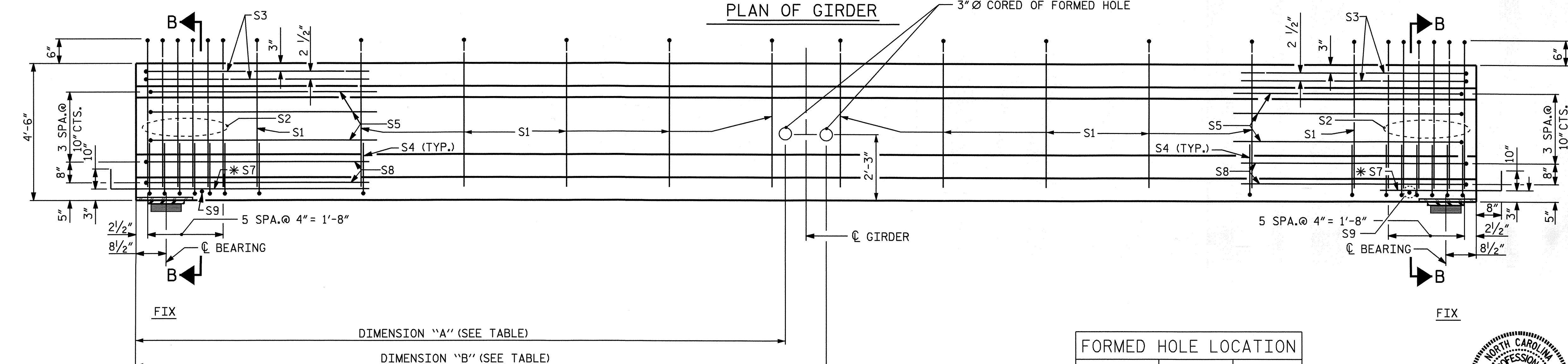
SECTION B-B



0.6" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

FORMED HOLE LOCATION		
	DIM. "A"	DIM. "B"
GIRDER 1	34'-0"	-
GIRDER 2	34'-0"	40'-2"
GIRDER 3	34'-0"	40'-2"
GIRDER 4	-	40'-2"

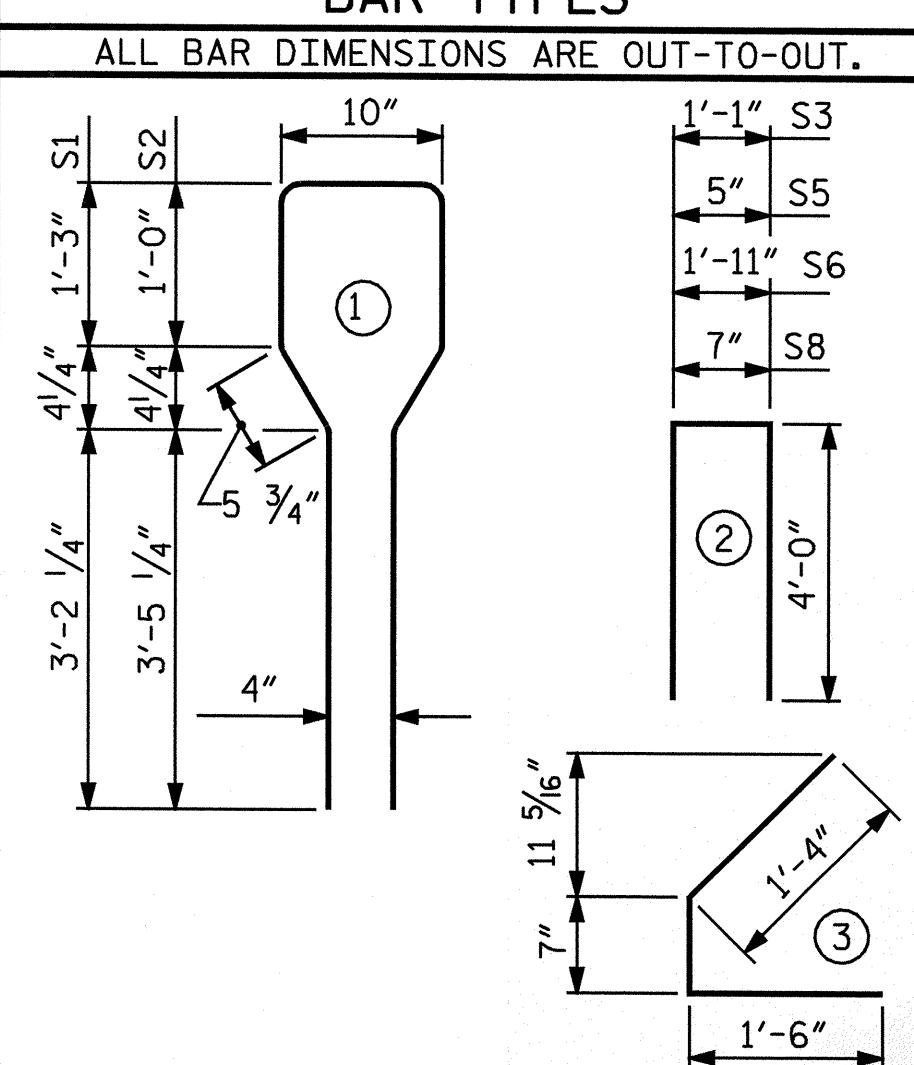


0.6" Ø L.R GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	64	#4	1	10'-8"	456
S2	12	#6	1	10'-8"	192
S3	4	#4	2	9'-1"	24
S4	72	#4	3	3'-5"	164
S5	6	#4	2	8'-5"	34
*S7	12	#5	STR	3'-8"	46
S8	4	#4	2	8'-7"	23
S9	2	#3	STR	1'-10"	1

* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	6000 PSI CONCRETE C.Y.	0.6" Ø L.R STRAND No.
INTERIOR GIRDER	940	15.1	28
EXTERIOR GIRDER	940	15.1	28

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	74.17	296.67

PROJECT NO. B-4096
DAVIDSON COUNTY
 STATION: 20+38.40 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**AASHTO TYPE IV
 PRESTRESSED CONCRETE
 GIRDER CONTINUOUS
 FOR LIVE LOAD
 (SPAN B)**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-10
1			3			TOTALS
2			4			33

ASSEMBLED BY : J. G. KHARVA	DATE : 03-15-04	CADD STANDARD
CHECKED BY : J. D. HAWK	DATE : 03-31-04	
DRAWN BY : RB 2/97	REV. 10/99	MAB/LES
CHECKED BY : VP 2/97		