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SOUTH CAROLINA STATE HIGHWAY DEPARTMENT COLUMBIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

ACCESS PROJ. NO. D.A.W.C. 21-A(1)

DOCKET NO. 40.290

STATE ROUTE NO. 769

RICHLAND COUNTY

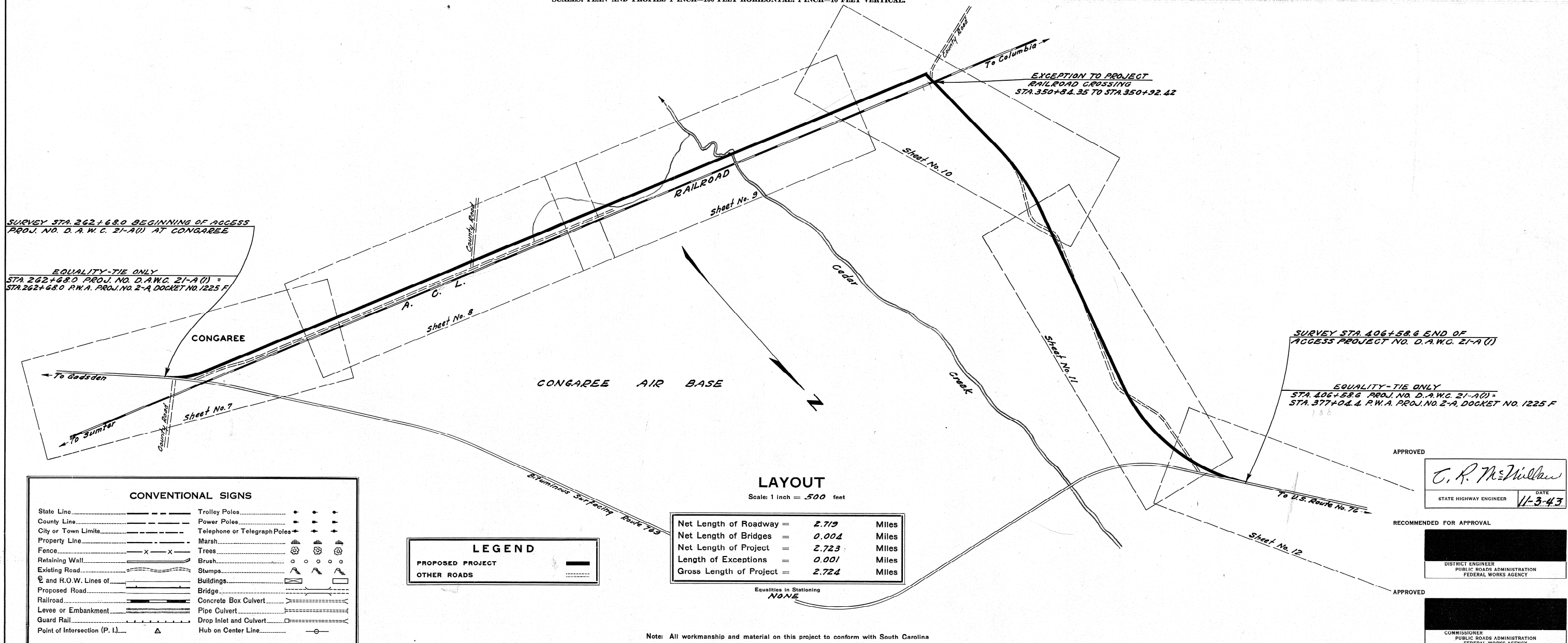
RELOCATION OF A SECTION OF RT. 769 CLOSED BY CONGAREE AIR BASE

SCALES: PLAN AND PROFILE 1 INCH=100 FEET HORIZONTAL; 1 INCH=10 FEET VERTICAL.

FED. ROAD DIST. NO.	STATE	COUNTY	ACCESS PROJ. NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
14	S. C.	RICHLAND	D.A.W.C. 21-A(1)	769	1	34

SUMMARY OF ESTIMATED QUANTITIES

EARTHWORK		
CLEARING AND GRUBBING WITHIN RIGHT OF WAY	NECESSARY	
CLEARING AND GRUBBING OF BORROW AND MATERIAL PITS	2	ACRES
COMMON EXCAVATION	50,950	C.Y.
EXCAVATION FOR STRUCTURES	290	C.Y.
OVERHAUL	77400	C.Y.M.
SELECTED MATERIAL FOR SHOULDERS	3329	C.Y.
BASE COURSE		
EARTH TYPE BASE COURSE (PIT MATERIAL)	10,156	C.Y.
SCARIFYING, MIXING, REMIXING, SHAPING AND RESHAPING	36,161	M.S.Y.
ADDITIONAL SCARIFYING, MIXING, REMIXING, SHAPING AND RESHAPING	12,080	M.S.Y.
SURFACING		
BITUMINOUS SURFACING	34,989	S.Y.
STRUCTURES		
PORTLAND CEMENT CONCRETE FOR STRUCTURES (CLASS "A")	178.83	C.Y.
PORTLAND CEMENT CONCRETE FOR STRUCTURES (CLASS "B")	1.9	C.Y.
REINFORCING STEEL	13,065	LBS.
18" R.C. PIPE	236	L.F.
24" R.C. PIPE	68	L.F.
30" R.C. PIPE	120	L.F.
15" RELAY PIPE	147	L.F.
18" RELAY PIPE	21	L.F.
INCIDENTAL CONSTRUCTION		
UNTREATED TIMBER SHEET PILING	0.403	M.B.M.
RAILROAD ADVANCE WARNING SIGNS COMPLETE IN PLACE	2	
RAILROAD CROSSING SIGNS COMPLETE IN PLACE	2	
FEDERAL AID MARKERS	2	
FEDERAL AID NUMBER PLATES	2	
LAYING 6" PIPE (TO BE FURNISHED ON SITE WITHOUT COST TO CONTRACTOR)	100	L.F.



Note: All workmanship and material on this project to conform with South Carolina State Highway Department Standard Specifications for Highway Construction dated March 15th, 1939, as approved by the Administrator, Federal Works Agency.

PLAN	DATE	BY
SURVEYED		
NOTE BOOK		
ALIGNED CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTE BOOK		
GRADES CHECKED		
B.M.'S NOTED		
STRUCTURE NOTED		
NO.		

FED. ROAD DIST. NO.	STATE	COUNTY	DOCKET NO.	SHEET NO.	TOTAL SHEETS
14	S.C.	RICHLAND	40.290	769	9

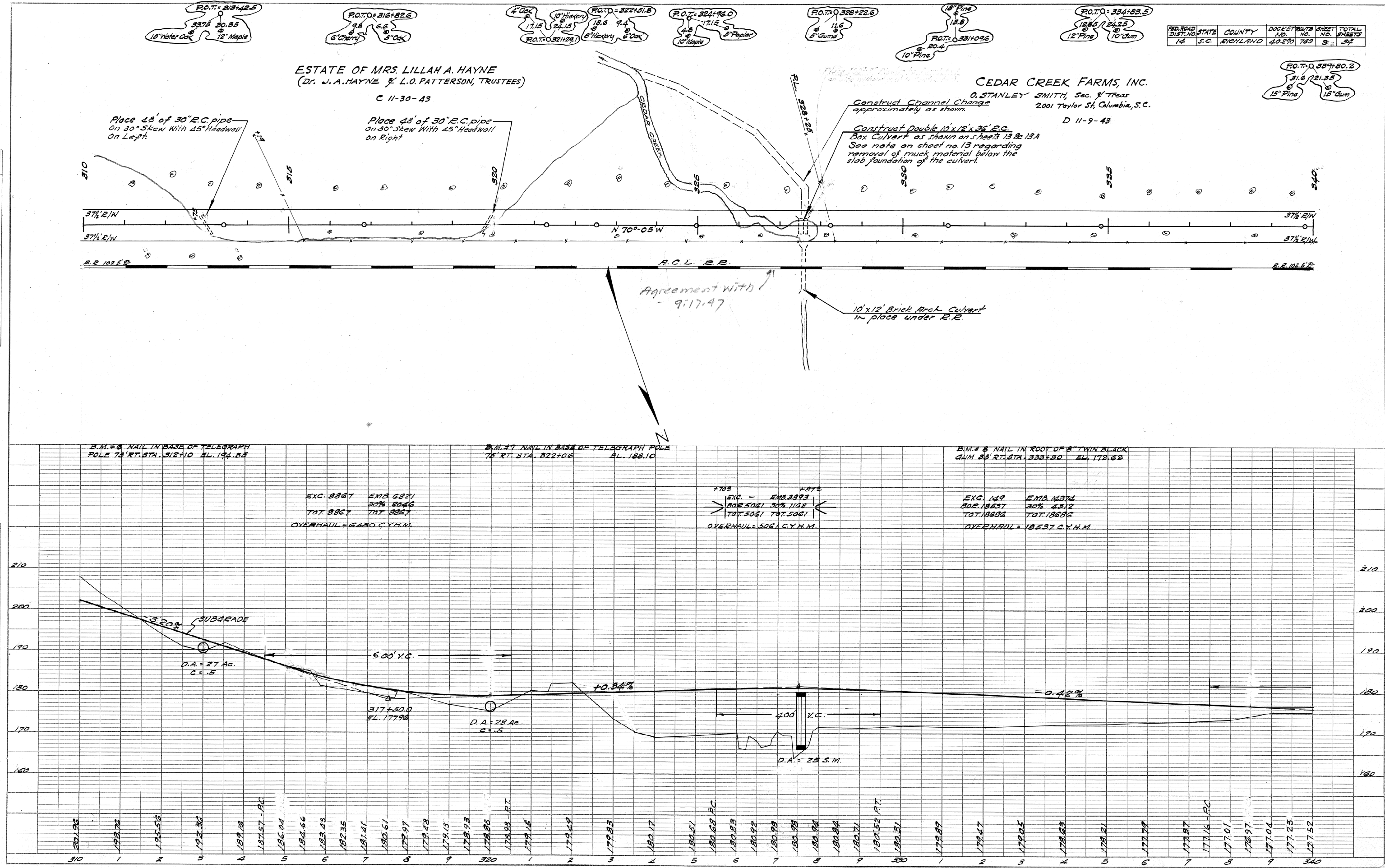
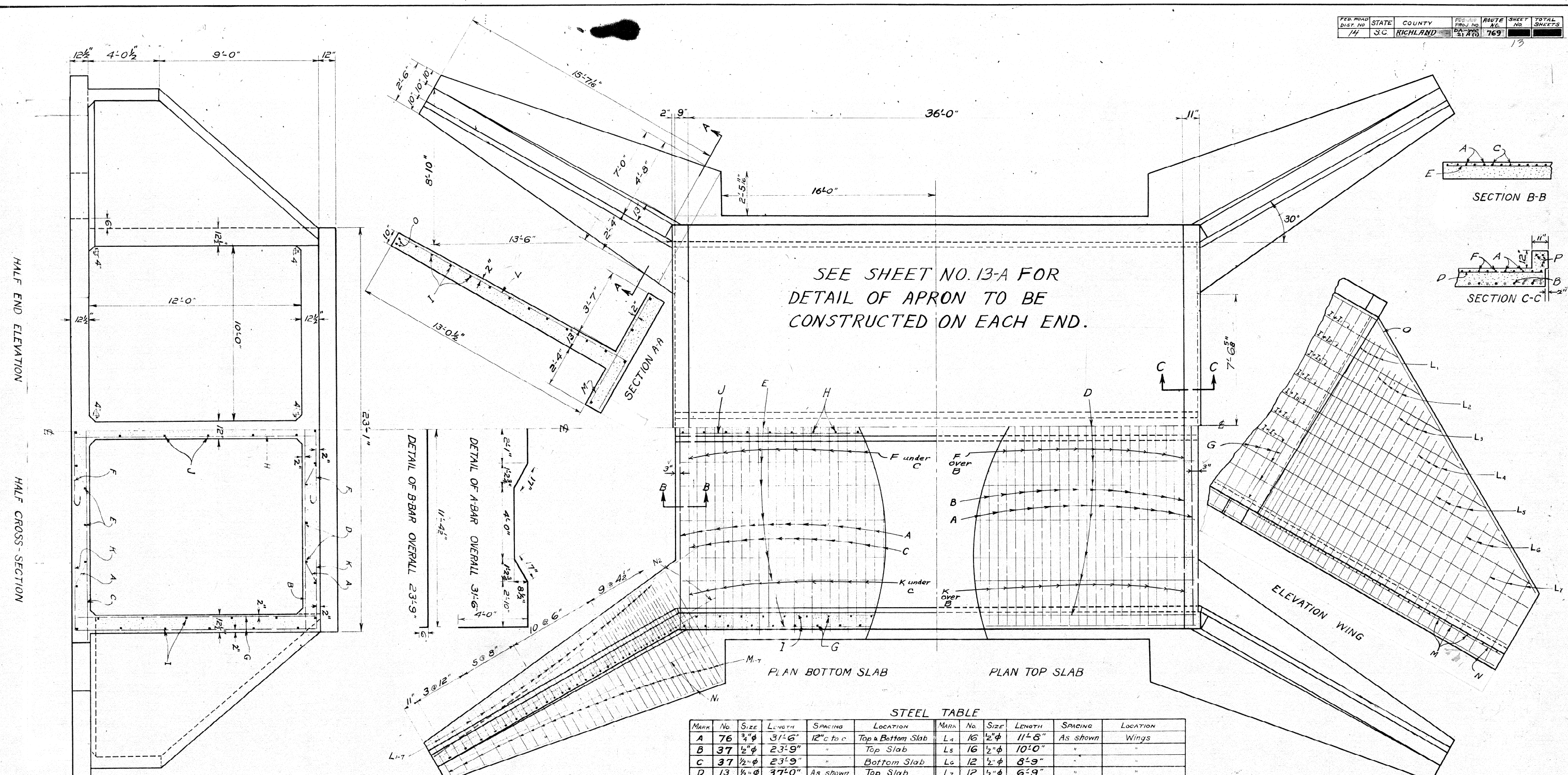


PLATE 1- PLAN - PROFILE O. P. R. & R. E. STANDARD
CHARLES BRUNING CO. INC., NEW YORK

FED. ROAD DIST. NO.	STATE	COUNTY	PROJ. NO.	ROUTE	SHEET NO.	TOTAL SHEETS
14	S.C.	RICHLAND	40.290	769	13	



NOTES -
All exposed edges are to be chamfered $\frac{3}{4}$ "
All concrete shall be class "A".
Any removal of muck material below the bottom of the slabs considered necessary by the Engineer shall be measured in place and paid for at the unit price bid for common excavation. In addition the necessary back fill of the mucked volume will be measured in place before excavation and paid for at the unit price bid for common excavation.
Measurement for excavation for structures shall not extend below the bottoms of the slab foundation.

MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION
A	76	$\frac{3}{4}$ " ϕ	31'-6"	12" c to c	Top & Bottom Slab	L ₄	16	$\frac{1}{2}$ " ϕ	11'-8"	As shown	Wings
B	37	$\frac{1}{2}$ " ϕ	23'-9"	"	Top Slab	L ₅	16	$\frac{1}{2}$ " ϕ	10'-0"	"	"
C	37	$\frac{1}{2}$ " ϕ	23'-9"	"	Bottom Slab	L ₆	12	$\frac{1}{2}$ " ϕ	8'-9"	"	"
D	13	$\frac{1}{2}$ " ϕ	37'-0"	As shown	Top Slab	L ₇	12	$\frac{1}{2}$ " ϕ	6'-9"	"	"
E	13	$\frac{1}{2}$ " ϕ	37'-0"	"	Bottom Slab	M ₁	32	$\frac{1}{2}$ " ϕ	6'-5"	"	Wing Footing
F	74	$\frac{3}{8}$ " ϕ	9'-4"	12" c to c	Top & Bottom Slab	M ₂	20	$\frac{1}{2}$ " ϕ	5'-9"	"	"
G	122	$\frac{3}{8}$ " ϕ	13'-9"	7 $\frac{1}{2}$ " stgd.	Side Walls	M ₃	16	$\frac{1}{2}$ " ϕ	5'-2"	"	"
H	60	$\frac{3}{8}$ " ϕ	13'-9"	"	Mid. Wall	M ₄	16	$\frac{1}{2}$ " ϕ	4'-7"	"	"
I	20	$\frac{1}{2}$ " ϕ	38'-0"	15" stgd.	Side & Wing Walls	M ₅	16	$\frac{1}{2}$ " ϕ	3'-11"	"	"
I ₁	2	$\frac{1}{2}$ " ϕ	6'-0"	"	"	M ₆	16	$\frac{1}{2}$ " ϕ	3'-2"	"	"
I ₂	2	$\frac{1}{2}$ " ϕ	11'-0"	"	"	M ₇	12	$\frac{1}{2}$ " ϕ	2'-5"	"	"
I ₃	2	$\frac{1}{2}$ " ϕ	15'-0"	"	"	N ₁	8	$\frac{1}{2}$ " ϕ	16'-6"	"	"
I ₄	2	$\frac{1}{2}$ " ϕ	20'-0"	"	"	N ₂	8	$\frac{1}{2}$ " ϕ	20'-0"	"	"
I ₅	2	$\frac{1}{2}$ " ϕ	24'-0"	"	"	O	8	$\frac{1}{2}$ " ϕ	19'-3"	"	Wing Wall
I ₆	2	$\frac{1}{2}$ " ϕ	29'-0"	"	"	P	6	$\frac{3}{8}$ " ϕ	22'-6"	"	Headwall
I ₇	8	$\frac{1}{2}$ " ϕ	33'-0"	"	"						
J	10	$\frac{1}{2}$ " ϕ	37'-0"	"	Mid. Wall						
K	148	$\frac{3}{8}$ " ϕ	8'-0"	As shown	Alt with A-Bars						
L ₁	20	$\frac{1}{2}$ " ϕ	15'-7"	"	Wings						
L ₂	20	$\frac{1}{2}$ " ϕ	14'-4"	"	"						
L ₃	16	$\frac{1}{2}$ " ϕ	13'-0"	"	"						

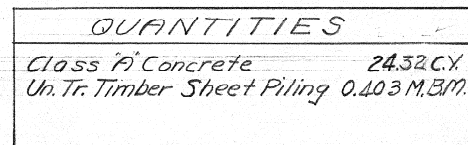
S.C. STATE HIGHWAY DEPARTMENT
COLUMBIA, S.C.
CONCRETE CULVERT
REINFORCED BOX TYPE
DOUBLE 10'x12'x36'-0"
STATION 327+58 PROJ. 40.290 RICHLAND CO.
SCALE $\frac{3}{8}$ INCH = 1 FOOT DATE: Nov. 23, 1943

CORRECT: _____ BRIDGE ENGINEER
APPROVED: _____ STATE HIGHWAY ENGINEER

Drawn By: J.H. Briggs 11-29-30
Traced By: J.H. Briggs 12-1-30
Checked By: F.M. Joye 12-5-30
CHECKED DESIGN: A.C. Colberg 11/1/50
Worked up By: W.B.B. 11-2-43 ; Revised By: W.B.B. 11-8-43
Checked By: A.T.C. 11-2-43 ; Checked By: A.T.C. 11-9-43

CONCRETE * 154.51 CU. YDS.
STEEL 12,931 LBS.
EXCAVATION F2'D 290 CU. YDS.
* Does not include concrete in Aprons
Includes excavation for Aprons

2



Scale 3/8" = 1'-0"

Drawn by G.K.B. 11-2-43
Checked by A.T.C.