



FED. ROAD DIST. NO.	STATE	COUNTY	DOCKET NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
12	SC	Richland	40.245	48	22	71

Mark	No.	Size	Length	Spacing	Location
A	128	5/8"	30'-4"	12" c/c	T & B Slabs
B1	124	7/8"	16'-7"	"	"
B2	62	1/2"	24'-10"	"	"
C1	128	5/8"	7'-9"	"	Corners
C2	62	5/8"	37'-4"	"	T & B Slabs
C3	124	3/4"	10'-4"	"	"
C4	62	1/2"	9'-0"	"	"
D	96	1/2"	31'-2"	As Shown	"
F1 to F6	4 ea.	1/2"	3'-0" to 4'-3"	Vary by 3"	Wing Footings
F7 to F24	4 ea.	5/8"	4'-4" to 7'-2"	Vary by 2"	"
G1	124	5/8"	11'-3"	12" c/c	Side & Corners
G2	42	1/2"	12'-8"	18" c/c	Side Walls
G3	128	1/2"	12'-8"	18" c/c	Interior Walls
H	22	1/2"	23'-0"	12" Stagger	S. Walls & Wings
H1 to H7	2 ea.	1/2"	15'-4" to 36'-4"	Vary by 3'-6"	"
H8	8	1/2"	38'-0"	"	"
H9	33	1/2"	31'-2"	"	Interior Walls
I1	4	1/2"	6'-2"	As Shown	Wings
I2	4	1/2"	7'-2"	"	"
I3 to I14	4 ea.	5/8"	7'-8" to 15'-0"	Vary by 8"	"
I15	28	5/8"	6'-1"	"	"
J	8	5/8"	18'-0"	"	"
K	4	1"	38'-6"	"	Headwalls
L1	16	1/2"	17'-6"	"	Wing Footings
L2	4	1/2"	20'-0"	"	"

CLASS "A" CONCRETE	214.26 C. Yds.
REINFORCING STEEL	234.45 LBS.

Concrete P.F.L. Barrel	5.8519 C. Yds.
Concrete P.F.D. Cut-off Wall (Tend)	2.3805 C. Yds.
Excav. P.F.D. P.F.L. Barrel	2.1235 C. Yds.

NOTES:-  
 Design Specifications - "Standard Specifications for Highway Bridges," A.R.S.H.O. 1941 (except F3) f<sub>s</sub> = 20,000 #/in<sup>2</sup>, f<sub>c</sub> = 1,000 #/in<sup>2</sup>, n = 10, v = 90 #/in<sup>2</sup>, u = 185 #/in<sup>2</sup>, H15 loading and 10' (max.) earth fill.  
 All concrete shall be class "A".  
 Chamfer all exposed edges 3/4".  
 Center of main reinforcing steel shall be placed 2" from the surface of the concrete. Structural grade reinforcing steel not permitted.  
 Depth of cut-off walls shall be determined by the Engineer and quantities added to those shown.  
 Construction joints to be made between both top and bottom slabs and walls.  
 15'-7"

SEE SPECIAL PROVISIONS REGARDING  
 WEEP HOLES AND FRENCH DRAINS

S. C. STATE HIGHWAY DEPARTMENT  
 COLUMBIA  
**CONCRETE CULVERT**  
 REINFORCED BOX TYPE  
 QUADRUPLE 12'x11'x30'-0"  
 STA NO. B10+70  
 S. C. DOCKET NO. 40.245 Richland COUNTY  
 ROUTE NO. 48 DATE 8-47  
 B 4.1211

Rev.	RKMWB B-47
Drawn	W. B. B. (R. B.) 1-45
Tr.	W. B. B. (R. B.) 1-45
Ch.	W. B. B. (R. B.) 1-45
Dep.	W. B. B. (R. B.) 1-45
By	Check Date