ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			

QUANTITIES

ITEM	Conc. Cu. Yds.	Steel Lbs.
0-10'	36.56	5364
Inlet Beveling	12	—
Wingwalls & Parapets	16.50	670
Apron (Outlet End)	3.95	302
Total:	55.15	6324

H.W.M. Elev. 823.70

Elev. 818.3

Inlet Elev. 818.1

Outlet Elev. 817.4

Apron Req'd Outlet End

2641+78 (90°)

42'-9'x5' Concrete Box Culvert

F.L. Elev. 817.4 1.1% Grade

D.A. 1253.3 Acres

15 Cu. Yds. Ditch Excavation 66 Cu. Yds. Found. Backfill Mat'l. Type II

55.15 Cu. Yds Class "A" Concrete

6324 Lbs. Bar Reinforcement Steel

Special Design Design 1 Std. Std. 2323

Q50 = 370

Q100 = 550

DELETE ON CONSTR.

See Sheet No. for Detail of Inlet Beveling

Special Ditch Req'd. Sta. 2631+60 - 2641+28

3.1% Grade

Plug

Plug

F.L. 810.4

2638+70

In Place - 30'-20" I.C.C.D. Pipe - Retain

Req'd.: 0.7 Cu. Yds. Class "B" Concrete (To be Used for plugging each end of pipe)

QUANTITIES

ITEM	Conc. Cu. Yds.	Steel Lbs.
0-10'	48.30	7966.70
Inlet Beveling	.07	
Wingwalls & Parapets	15.13	470
Apron (Outlet End)	3.65	238
Total:	67.15	8674.70

H.W.M. Elev. 838.80

DELETE ON CONSTRUCTION

See Sheet No. 79 for detail of Inlet Beveling

2531+89 (90°)

70'-6'x6' Concrete Box Culvert

F.L. Elev. 823.3 5.7% Grade

D.A. 293.8 Acres

67.15 Cu. Yds. Class "A" Concrete

8675 Lbs. Bar Reinforcement Steel

Special Design Design 1 Std. 2381

62 Cu. Yds. Found. Backfill Mat'l. Type II

7 Cu. Yds. Ditch Excavation

Q50 = 305 c.f.s.

Q100 = 355 c.f.s.

Apron Req'd Outlet End

Outlet Headwall

Inlet Elev. 840.1

Outlet El. 835.5

2431+90 (90°)

46'-30" Storm Drain Pipe

F.L. Elev. 839.3 3.5 % Grade

D.A. 18.8 Acres Fill Ht. 1-10'

3 Cu. Yds. Ditch Excavation

2.32 Cu. Yds. Class A Conc. Incl. Reinf. Steel

1 Each Flared End Section

Q50 = 33

Q100 = 36

H.W.M. Elev. 830.00

STA. 2321+00 ± IN Place 175' R.C. Under R.R. Triple Line 60" Pipe

Inlet Elev. 823.2

Outlet Elev. 823.0

See Sheet No. 79 for Detail of Inlet Beveling

2311+98 (90°)

44'-9'x6' Concrete Box Culvert

F.L. Elev. 823.1 0.5% Grade

D.A. = 350.0 Acres Special Design Design 1

56 Cu. Yds. Foundation Backfill Mat'l. Type II

56.81 Cu. Yds. Class "A" Concrete

6579 Lbs. Bar Reinforcement Steel

8 Cu. Yds. Ditch Excav.

Q50 = 325 c.f.s. Q. Std. 2323

Q100 = 405 c.f.s.

Apron Req'd Outlet End

DELETE ON CONSTRUCTION

QUANTITIES

ITEM	Conc. Cu. Yds.	Steel Lbs.
0-10'	36.16	5607
Inlet Beveling	0.14	
Wingwalls & Parapets	16.56	670
Apron (Outlet End)	3.95	302
Total:	56.81	6579

PLATE 3 FULL CROSS SECTION CARLE BRINK COMPANY BUL. 3.3.1.

STATE	FEDERAL AID PROJECT	SHEET NO.
CA	BRLS-1135(3)	96

TOTAL SHEETS 135

REV. 3-15-68