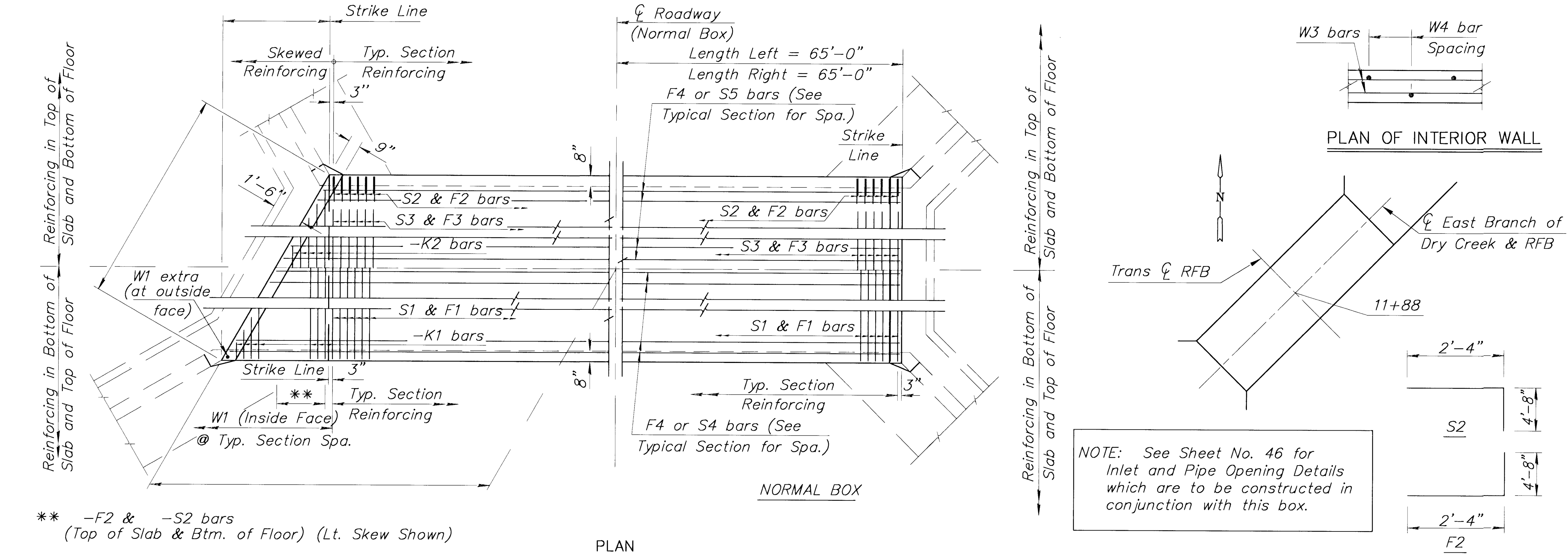
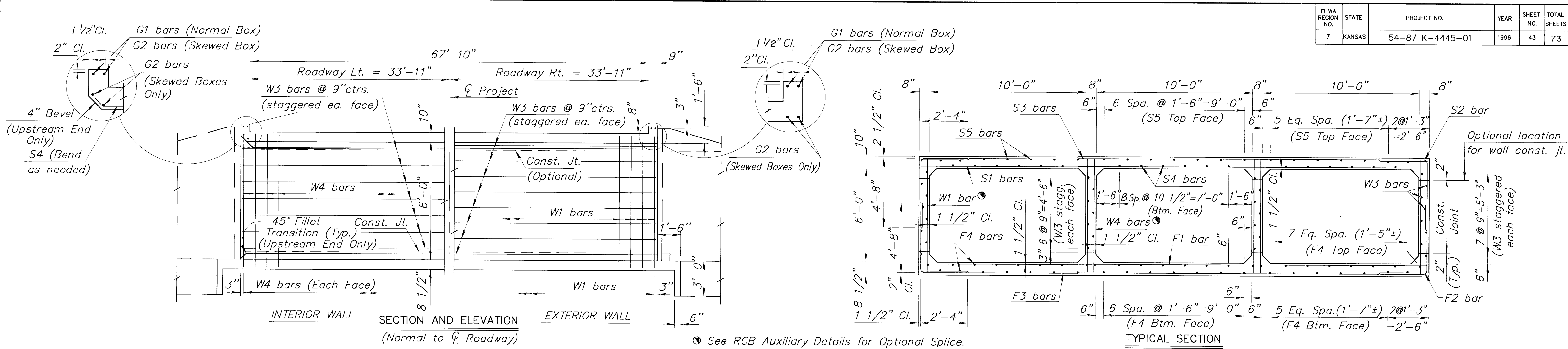


VERSION: 5.0.0 COMPILED: 9/01/94

DESIGN	CHECK	DATE
DESIGN	DATE	DATE
DETAILS	DATE	DATE
TRACING	DATE	DATE
RETRACTED	DATE	DATE

Drawn By : \$\$\$USERNAME\$\$\$
DGN File : \$\$\$DGN\$SPEC
Plotted : \$\$\$SYTIME\$\$\$



CULVERT SUMMARY												
Flow Line Elev. Lt.	Flow Line Elev. Rt.	Crown Gr. Elev.	Design Fill Ht.	Skew	Left Wings	Right Wings	Scour Apron	Soil Saver	Granular Backfill	Concrete		
										Barrel (Cu. Yds.)	Wings (Cu. Yds.)	Total (Cu. Yds.)
1329.50	1329.38	1337.23	2 ft.	0°	FLARED	SPECIAL	NO	NO	NO	327.9	29.5	357.4

BAR SCHEDULE																																			
F1				F2 *				F3				F4				S1				S2 *				S3				S4				S5			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	No.	Length						
4	5 1/2"	284	32'-4"	5	5 1/2"	568	7'-0"	6	5 1/2"	284	32'-4"	4	180	33'-5"	5	5 1/2"	284	32'-4"	5	5 1/2"	568	7'-0"	6	5 1/2"	284	32'-4"	4	108	33'-5"	4	84	33'-5"			
K1				K2				W1				W2				W3				W4				G1				G2				S6			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	No.	Length	Size	Spa.	No.	Length	Size	No.	Length	Size	No.	Length	Size	Spa.	No.	Length			
-	-	-	*	-	-	-	*	4	11"	284	7'-3"	-	-	-	-	4	120	33'-5"	5	11"	568	7'-3"	5	4	32'-4"	-	-	-	7	-	4	14'-0"			

BENDING DIAGRAMS

Bars are out to out of bars.

Minimum Splice Lengths	
#4	1'-4"
#5	1'-8"
#6	2'-0"

STRIKE LINE: Wingwalls

Strike Line shall be constructed with

SUMMARY OF QUANTITIES	
Class AAA Concrete	357.4 C.Y.
Class AAA Concrete †	48.8 C.Y.
Class III Excavation	1,317 C.Y.
Reinforcing Steel (Gr. 60)	70,870 Lbs.
Reinforcing Steel (Epoxy Coated)	0 Lbs.
Foundation Stabilization (Set)	195 C.Y.
Granular Backfill (Wingwalls) (Set)	57 C.Y.

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-4445-01	1996	43	73

KANSAS DEPARTMENT OF TRANSPORTATION				
STA. 57+50.28				
TRIPLE 10' x 6' RFB (Pinecrest)				
(45° ROTATION LT.)				
Std. No. 340.00F SEDGWICK CO.				
FHWA APPROVAL	6-5-91	APP'D	KENNETH F. HURST	
DESIGNED	DETAILED	QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.	