CULVERT DESIGN

PROJECT: _____
COUNTY: _____
STATION: _____
DATE: _____
COMP'S BY: _____
✓ BY: _____

SUMMARY

CULVERT ANGLE _____
℄ CROWN ELEV. _____
℄ BED ELEV. _____
DESIGN FILL _____
SLOPES _____
ROADWAY WIDTH _____

LENGTH LEFT _____
LENGTH RIGHT _____
TOTAL LENGTH _____

CALCULATE DESIGN FILL

MAX. FILL ELEVATION _____
BED ELEVATION _____
VERTICAL CLEARANCE _____
BOTTOM OF TOP SLAB ELEV. _____
DESIGN FILL _____

GRADE DATA

SIN _____
COS _____
TAN _____

CRITICAL STATION	LEFT	RIGHT
A) CROWN STATION		
B) DROP (OR RISE) TO SHOULDER		
C) SHOULDER ELEVATION		
D) BED ELEVATION		
E) VERTICAL CLEARANCE		
F) TOP SLAB (ESTIMATED) + 0.75'		
G) ELEVATION 9" UP ON HEADWALL		
H) (C) - (G)		
I) SLOPE (:1) X (H)		
J) ROADWAY		
K) CLEAR ROADWAY = (I + J)		
M) CLEAR ROADWAY + 1.25'		
N) OVERALL LENGTH = (M / SIN ∡)		

FIGURE 9 - 1