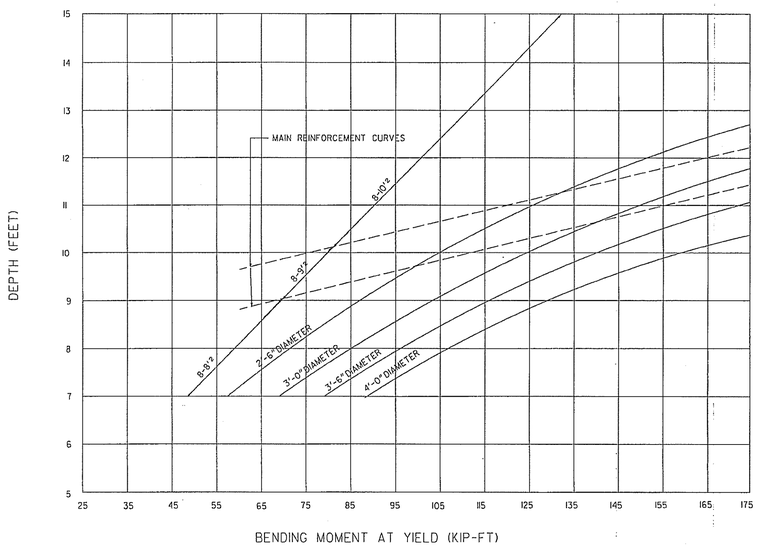
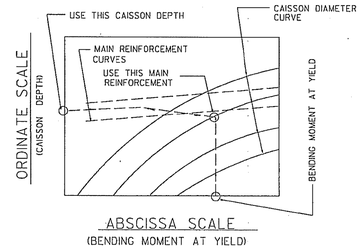
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0009629	57	80

PIEDMONT

γ= 120 PCF
ϕ= 25 DEGREES
C= 300 PCF



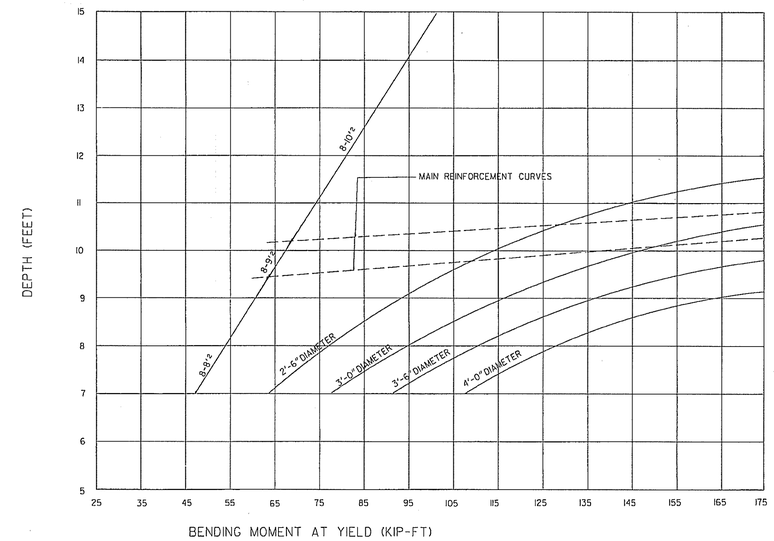


PROCEDURE TO FIND FOOTING SIZE

1. DETERMINE "BENDING MOMENT AT YIELD" FROM APPROVED SHOP DRAWINGS
2. SELECT DIAMETER OF CAISSON.
3. READ "BENDING MOMENT AT YIELD" ON ABSCISSA SCALE, PROJECT A VERTICAL LINE UPWARD UNTIL THE DESIRED "CAISSON DIAMETER CURVE" IS INTERSECTED, TURN 90 DEGREES AND PROJECT A HORIZONTAL LINE UNTIL THE ORDINATE SCALE IS INTERSECTED.
4. READ THE REQUIRED "CAISSON DEPTH" FROM THE INTERSECTION POINT ON THE ORDINATE SCALE DEPTH SHALL BE INTERPOLATED TO THE NEAREST 3 INCH INCREMENT.
5. READ THE REQUIRED "MAIN REINFORCEMENT SIZE" FROM THE INTERSECTION POINT ON THE CAISSON DIAMETER CURVE.

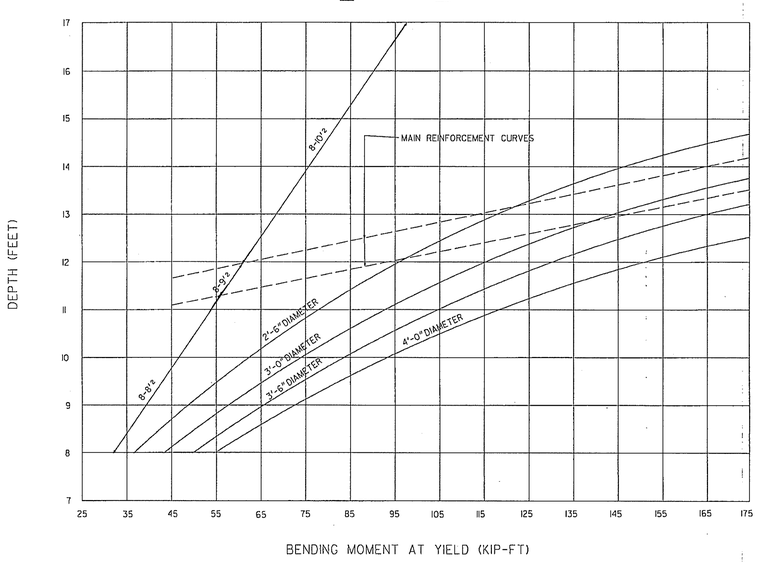
VALLEY & RIDGE

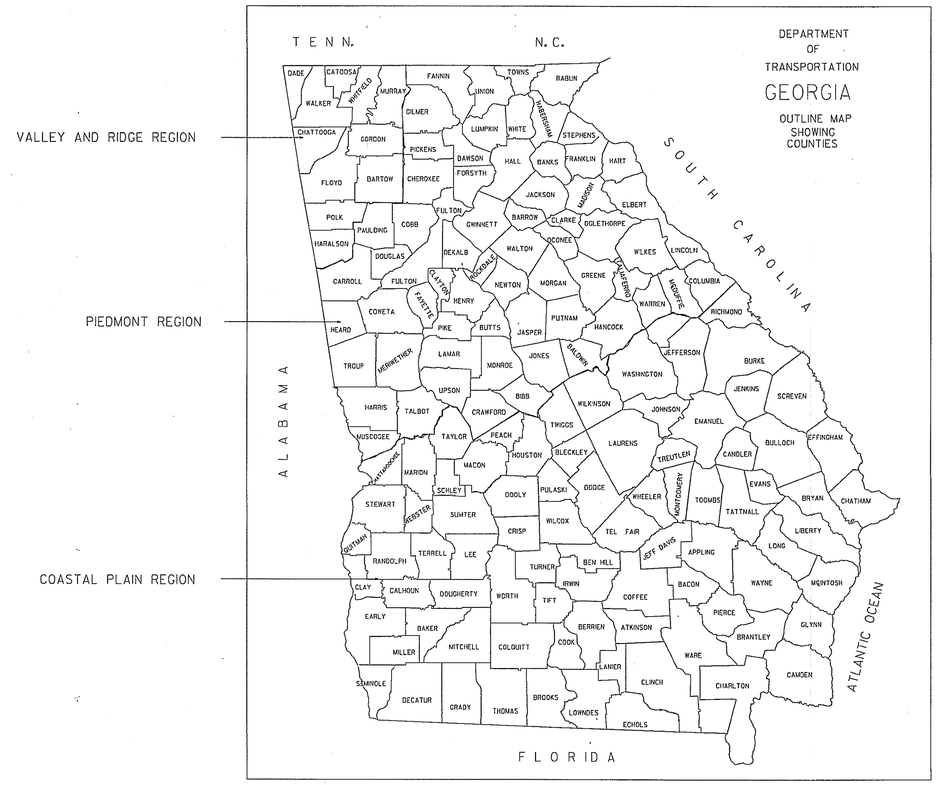
γ= 115 PCF
ϕ= 18 DEGREES
C= 750 PSF

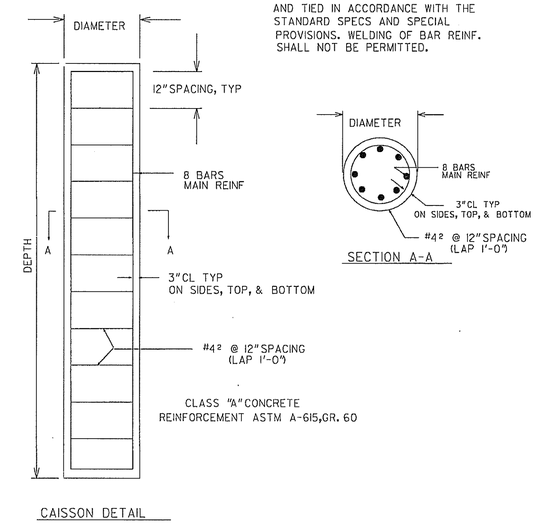


COASTAL PLAIN

γ= 120 PCF
ϕ= 32 DEGREES
C= 0 PCF







CAISSON DETAIL

NOTE: ALL REINFORCEMENT SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE STANDARD SPECS AND SPECIAL PROVISIONS. WELDING OF BAR REINF. SHALL NOT BE PERMITTED.

DATE	REVISIONS
7/9/04	CORRECTED MISSPELLED WORDS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF
STRAIN POLE AND
MAST ARM POLE FOUNDATIONS

NO SCALE — DECEMBER 1998

PCBDTB
4/7/2010 10:03:48 AM \\GDOT-DSN\GOPLOT\QCF\D7_Klp5000-2.qcf anetterville W:\Andre\0009629_I-285 at Glenridge\Standards and Details\gcdets06.TIF D7-Chamblee