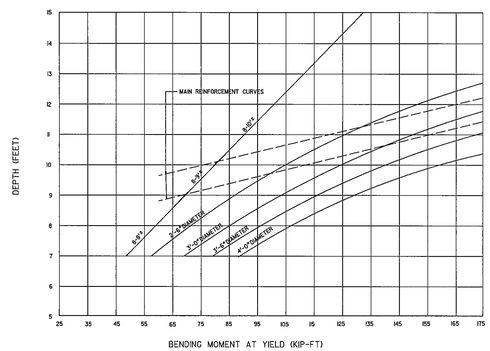
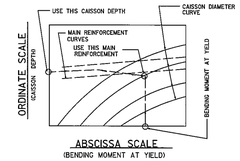
RELEASED FOR CONSTRUCTION 12/02/10

PIEDMONT
γ= 120 PCF
φ= 25 DEGREES
C= 300 PCF

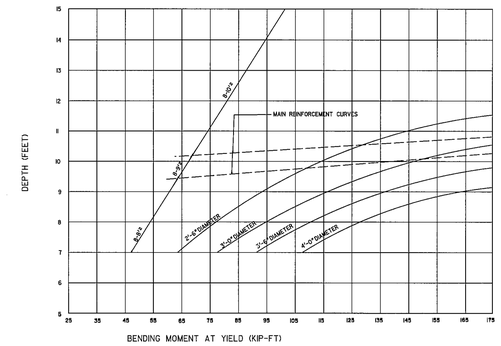




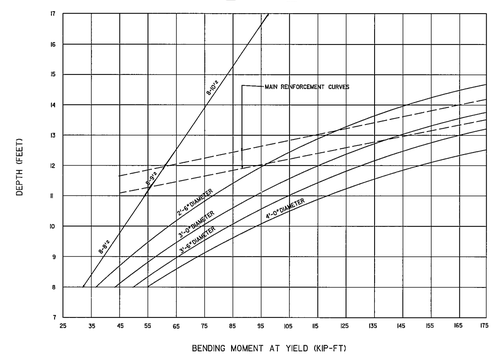
PROCEDURE TO FIND FOOTING SIZE

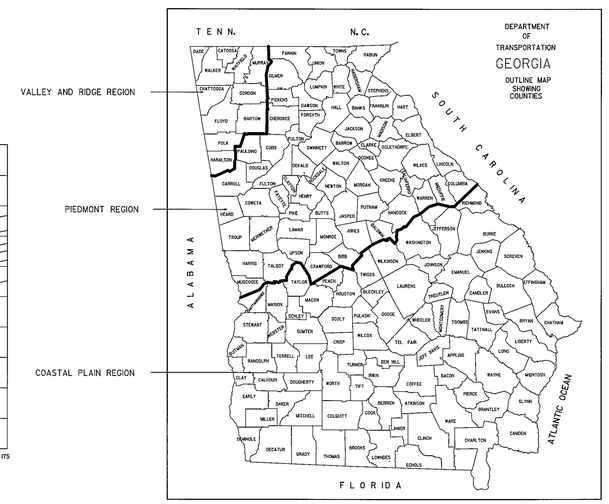
1. DETERMINE "BENDING MOMENT AT YIELD" FROM APPROVED SHOP DRAWINGS
2. SELECT DIAMETER OF CAISSON.
3. READ "BENDING MOMENT AT YIELD" ON ABSCISSA SCALE, PROJECT A VERTICAL LINE UPWARD UNTIL THE DESIRED "CAISSON DIAMETER CURVE" IS INTERSECTED, TURN 90 DEGREES AND PROJECT A HORIZONTAL LINE UNTIL THE ORDINATE 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.

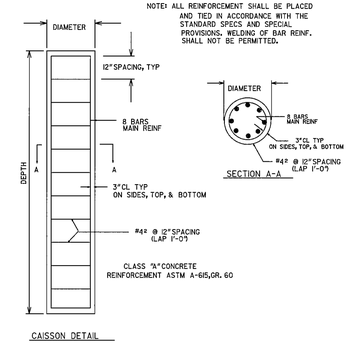
VALLEY & RIDGE
γ= 115 PCF
φ= 18 DEGREES
C= 750 PSF



COASTAL PLAIN
γ= 120 PCF
φ= 32 DEGREES
C= 0 PCF







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.

3/1/2007 GPLN

GEORGIA
DEPARTMENT OF TRANSPORTATION

-NO SCALE-

REVISION DATES		
7-09-2004		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC OPERATIONS
SIGNAL PLANS
DETAILS OF STRAIN POLE AND MAST ARM POLE FOUNDATIONS
DECEMBER 1998
DRAWING No. TS-06

THE LPA GROUP
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY
CONSTRUCTION DETAILS

DRAWING No. 40-045

3/1/2007 GPLN