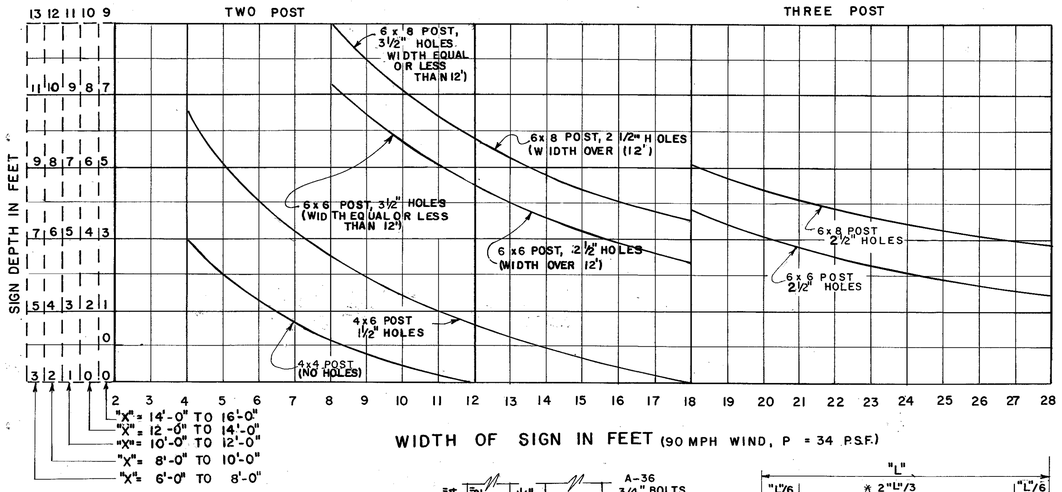
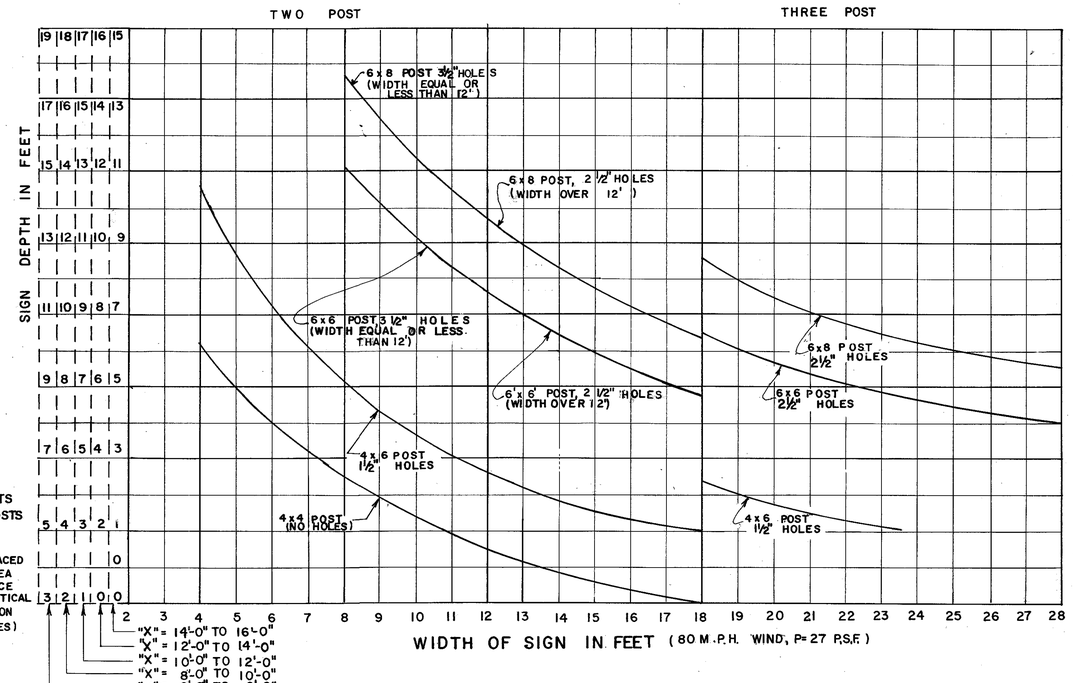
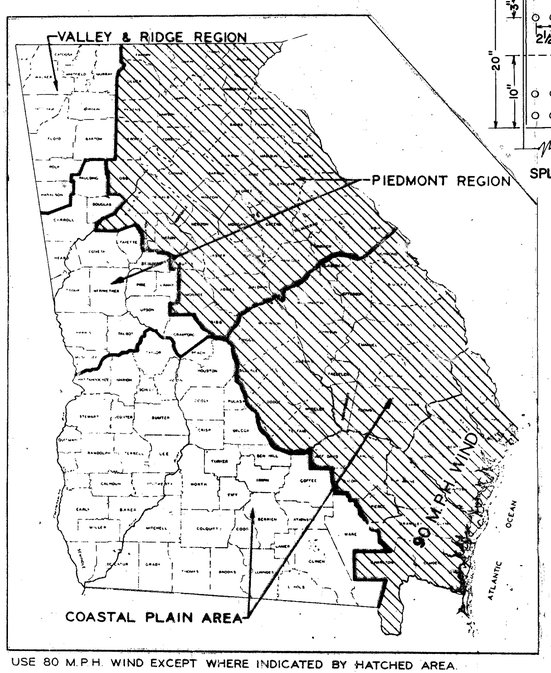
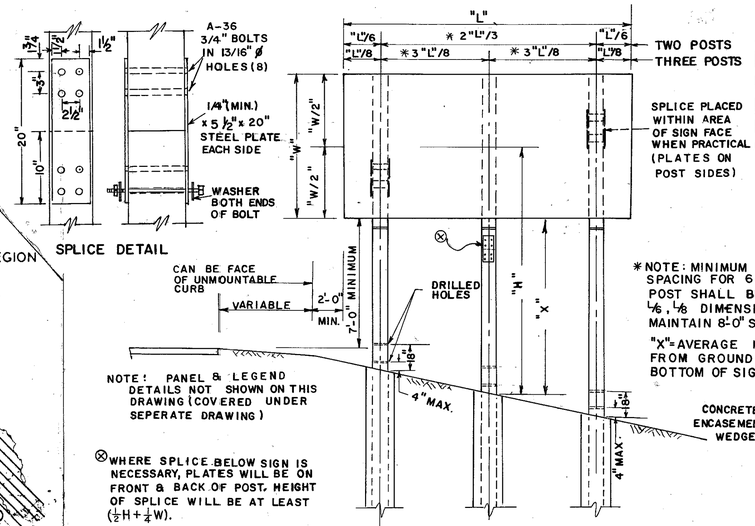
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | 0012683 | 106 | 110 |



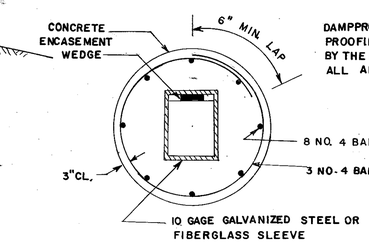



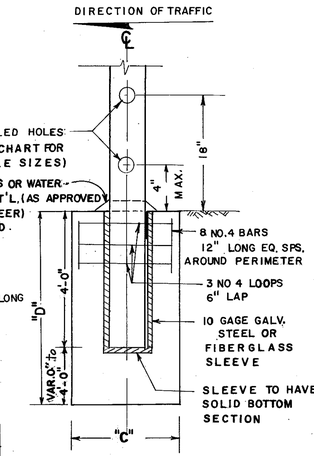

USE 80 M.P.H. WIND EXCEPT WHERE INDICATED BY HATCHED AREA.

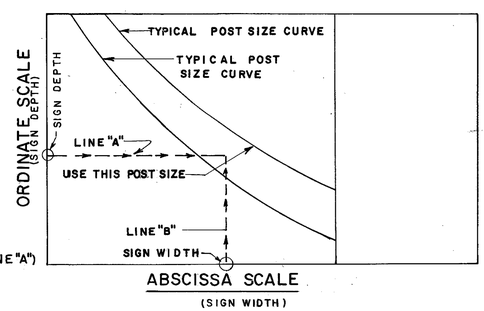



* NOTE: MINIMUM POST SPACING FOR 6x6 AND 6x8 POST SHALL BE 8'-0" (VARY L/6, L/8 DIMENSIONS TO MAINTAIN 8'-0" SPACING.)

"X" = AVERAGE HEIGHT FROM FROM GROUND LINE TO BOTTOM OF SIGN.




## PROCEDURE TO FIND POST SIZE.

1. DETERMINE SIGN WIDTH AND DEPTH.
2. DETERMINE "X" DIMENSION USING TYPICAL SIGN ERECTION DETAIL.
3. DETERMINE PROPER "X" COLUMN AND READ UP ORDINATE SCALE UNTIL REACHING CORRECT SIGN DEPTH (STEP 1), IN THAT COLUMN TURN 90° TO ORDINATE SCALE AND PROJECT A LINE PARALLEL TO THE ABSCISSA SCALE (LINE "A")
4. READ ALONG ABSCISSA SCALE TO CORRECT SIGN WIDTH, TURN 90° TO ABSCISSA SCALE AND PROJECT A LINE (LINE "B") TO INTERSECT LINE "A" THE NO. OF POSTS SHALL BE DETERMINED BY WHICH AREA THE POINT FALLS WITHIN. THE SIZE SHALL BE THAT OF THE LARGER OF THE TWO POST SIZE CURVES THE INTERSECT POINT FALLS BETWEEN.

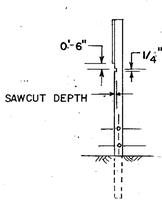
| FOOTING SIZE | | | | |
|---|---|---|---|---|
| POST | 4 x 4 ** | 4 x 6** | 6 x 6 ** | 6 x 8** |
| "C" | 1'-6" | 2'-0" | 2'-0" | 2'-0" |
| "D" | 4'-0" | 5'-0" | 6'-6" | 8'-0" |
| "C" | 1'-0" | 1'-6" | — | — |
| "D" | 5'-0" | 6'-0" | — | — |

FOOTING FOR 4x4 POST MAY BE EITHER 1'-6" IN DIA. BY 4'-0" DEEP, OR 1'-0" IN DIA. BY 5'-0" DEEP.

FOOTINGS FOR 4x6 POST MAY BE EITHER 2'-0" IN DIAMETER BY 5'-0" DEEP OR 1'-6" IN DIA. BY 6'-0" DEEP.

NOTE: IF ROCK IS ENCOUNTERED, SOCKET FOOTING 2 FEET INTO ROCK, "C" MAY BE REDUCED TO POST SIZE + 3".

** NOMINAL DIMENSIONS




| NOMINAL POST SIZE | INSIDE DIMENSIONS OF SLEEVE | SAWCUT DEPTH |
|---|---|---|
| 4 x 4 | 4" x 4" | NOT REQ'D. |
| 4 x 6 | 4" x 6" | 1½" |
| 6 x 6 | 6" x 6" | 1½" |
| 6 x 8 | 6" x 8" | 2½" |

## GENERAL NOTES

1. SPECIFICATIONS: GEORGIA STANDARDS AND/OR SPECIAL PROVISIONS.
2. ALL CONCRETE SHALL BE CLASS "A".
3. POST MUST BE PLUMB AND LOCATED AS SPECIFIED.
4. PLACE GREATER DIMENSION OF POST IN DIRECTION OF TRAFFIC.
5. SIGN FACE SHALL BE ORIENTED TO AVOID SPECULAR REFLECTION ORDINARILY BY A SLIGHT TURNING AWAY FROM THE ROADWAY OF APPROXIATELY 3 DEGREES, CARE SHALL BE TAKEN TO KEEP THE ADJUSTMENT SMALL SO AS TO MAINTAIN ADEQUATE REFLECTIVE VALUES.
6. OTHER REQUIREMENTS – FOR GENERAL NOTE AND CONTRACT REQUIREMENT, SEE SPECIAL PLANS, SUPPLEMENTAL SPECS. AND SPECIAL PROVISIONS.
7. POST SHALL BE SHIMMED TO PROVIDE A TIGHT FIT WITH THE STEEL SLEEVE, USE A TAPERED, TREATED HARDWOOD WEDGE.
8. 4"x 4" OR 4"x6" POSTS SHALL BE S.P.I.B. GRADE 1SR STRESS RATED TIMBER 1500 P.S.I. IN BENDING. LARGER SIZES SHALL BE S.P.I.B. GRADE 2SR STRESS RATED TIMBER 1100 P.S.I. IN BENDING. DIMENSIONS ARE NOMINAL.
9. POSTS SHALL BE TREATED WITH PENTA-CHOLO-PHENOL OR CHROMATED COPPER ARSENATE (CCA) IN ACCORDANCE SECTION 863 OF THE STANDARD SPECIFICATIONS. ALL POSTS WITHIN THE BOUNDS OF A PROJECT SHALL BE OF THE SAME TREATMENT. POSTS SHALL BE DRESSED ON 4 SIDES.
10. FIBERGLASS SLEEVE SHALL BE 4 LAYERS: 2 LAYERS 1½" OZ/FT² FIBERGLASS FOLLOWED BY ONE LAYER OF 2 MIL. CORE MAT'L & 1 LAYER OF 1½" OZ./FT² OF FIBERGLASS TO BE PRODUCED WITH 33-031 ROSIN. WALL THICKNESS= 1/4"+1/16". SIDES WILL BE 1/8" TO 3/16" OFFSET TO CORNERS & CORNERS SQUARED TO 1/16".

RELEASED FOR CONSTRUCTION
2-19-2016

| | |
|---|---|
| R.M.U. | POST HOLE SIZES REV. 6-27-83 |
| R.M.U. | ADJ. NOTE #8 SPICE DET. 4-19-82 |
| R.M.U. | REV. NOTE #3 5-1-81 |

# DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

## STANDARD
## ERECTION AND FOUNDATION DETAILS FOR SPECIAL ROADSIDE SIGNS BREAKAWAY TYPE POSTS (WOOD)
(TO BE USED ONLY WHERE SPECIFIED)

NO SCALE — SEPTEMBER, 1980

DES. H.W.C.
DRW. M.A.W.
TRA. G.M.E.
CHK. R.M.U.
W.J.O.

(SUBMITTED) STATE BRIDGE & STRUCTURAL DESN. ENGR
(APPROVED) Thomas D. Moreland Jr. STATE HIGHWAY ENGINEER

NUMBER 9055

FORM EF3