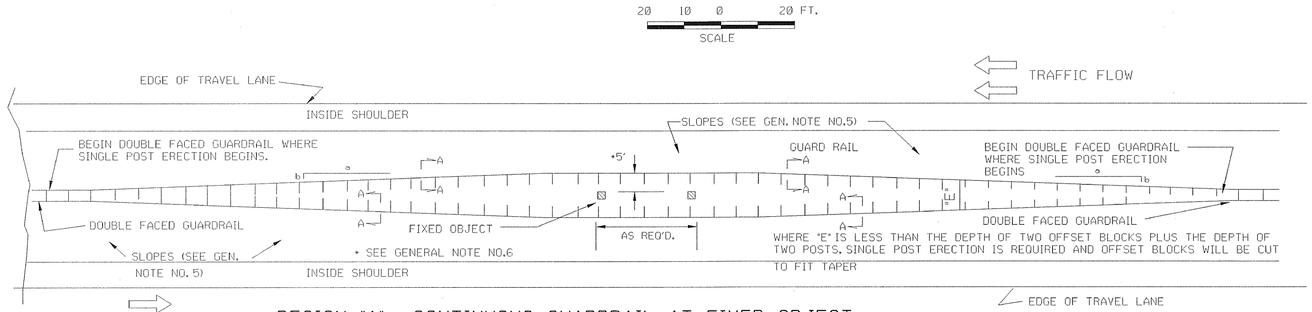
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CM-285-1(361)	226	234

GUARDRAIL LOCATIONS IN MEDIANS

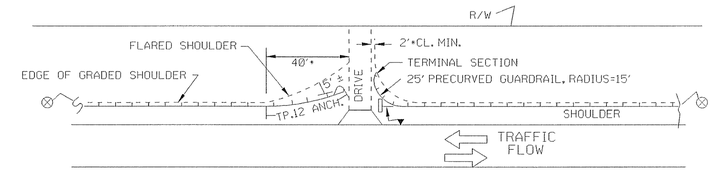


DESIGN "A" - CONTINUOUS GUARDRAIL AT FIXED OBJECT

NOTE: DESIGN "A" IS OF LIMITED APPLICATION. SEE SEPARATE STANDARDS OR DETAILS FOR DOUBLE FACED GUARDRAIL ON INSIDE SHOULDERS OF MEDIANS OR FOR CONCRETE MEDIAN BARRIERS AT FIXED OBJECTS.

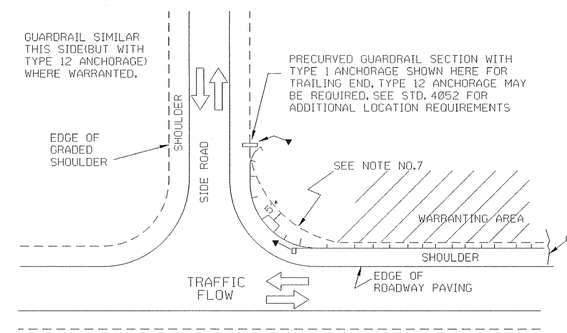
GUARDRAIL LOCATIONS AT TURNOUTS

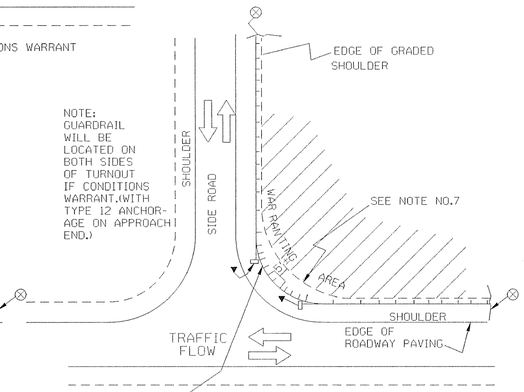
NO SCALE



NOTE:
PRECURVED GUARDRAIL WILL BE REQUIRED WITH RADII LESS THAN 150'.

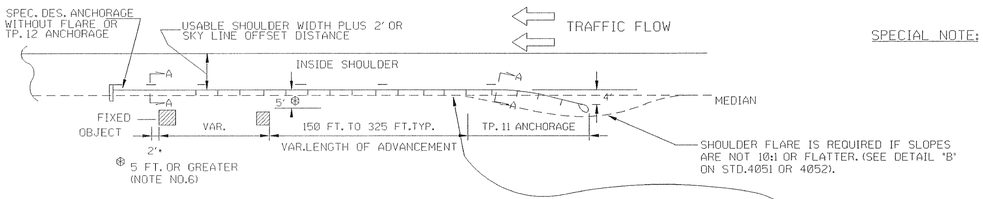
NOTE: GUARDRAIL IS NOT REQUIRED ON BOTH SIDES OF DRIVEWAY UNLESS CONDITIONS WARRANT





▼ - TYPE 1 ANCHORAGE

⊗ - EXTENDED GUARDRAIL TO HAVE ANCHORAGE OR ATTACHMENT PER APPLICABLE STANDARD DETAILS.



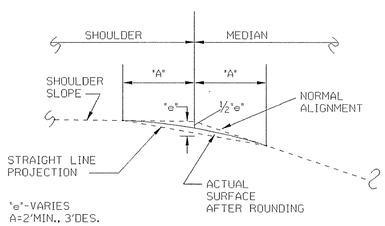
DESIGN "C"-GUARDRAIL ON INSIDE SHOULDERS AT FIXED OBJECTS

NOTE: GUARDRAIL PROTECTION SHALL BE REQUIRED ON BOTH SIDES OF OBJECT FOR DESIGN "C", UNLESS OTHERWISE SPECIFIED.

ANY PORTION OF GUARDRAIL WITH THE BACK SIDE OF POST EXPOSED INSIDE THE CLEAR ZONE OF OPPOSING TRAFFIC SHALL BE DOUBLE FACED, EXCEPT FOR BREAK-AWAY POSTS.

SPECIAL NOTE: FOR CONTINUOUS DOUBLE FACED GUARDRAIL ON THE INSIDE SHOULDER OF MEDIAN, SEE SEPARATE DETAILS.

FLARE RATE:DESIGN"A","B",&"D"	
DESIGN SPEED(mph)	MAX.FLARE RATE a/b
70	15
60	13
50	11
40	9
30	7



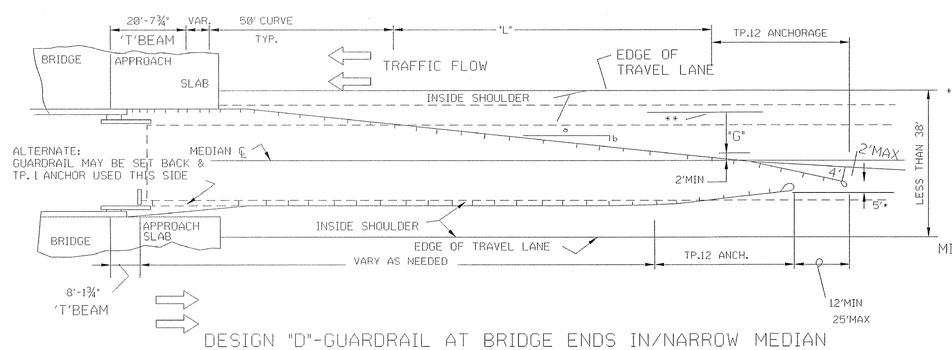
DETAIL OF SHOULDER ROUNDING

(TYPICAL FOR EXISTING GUARDRAIL INSTALLATIONS ON 6:1 OR ON 8:1 SLOPE)

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. FOR DETAILS OF GUARDRAIL HARDWARE, POST, AND OFFSET BLOCKS, SEE STANDARDS 4010 AND 4011 A.
3. FOR DETAILS OF GUARDRAIL ANCHORAGES, SEE SEPARATE STANDARDS, OR CONSTRUCTION DETAILS AS APPLICABLE.
4. FOR DETAILS OF DOUBLE FACED GUARDRAIL ATTACHED TO OR TERMINATED AT CONCRETE MEDIAN BARRIER, SEE STANDARD 4940.
5. NEGATIVE SLOPES IN FRONT OF GUARDRAIL AND ALL ANCHORAGES SHALL BE 10:1, OR FLATTER, FOR ALL NEW INSTALLATIONS.
6. OFFSET BETWEEN FACE OF GUARDRAIL AND FACE OF FIXED OBJECT SHALL BE 5FT.+DESIRABLE. 4'-3"MINIMUM. WHERE AN OFFSET OF LEAST 4'-3' CANNOT BE OBTAINED, DOUBLE POST SPACINGS (3'-1½" O.C.) IN FRONT OF OBJECT PLUS A MINIMUM OF 7 SUCH SPACINGS IN ADVANCE OF OBJECT IS REQUIRED WITH A 3 FT. MINIMUM OFFSET.
7. WHERE PRECURVED GUARDRAIL IS INSTALLED AROUND RADII AT INTERSECTING SIDE ROADS, THE SHOULDER AREA BACK OF THE GUARDRAIL IS TO BE WIDENED AS SHOWN ABOVE WITH THE OFFSET BETWEEN THE TRAVEL LANE AND GUARDRAIL REMAINING APPROXIMATELY CONSTANT.

NOTE: SEE SEPARATE STANDARDS FOR GUARDRAIL CONNECTIONS AND POST SPACINGS AT BRIDGE ENDS



** PROJECTION FROM FACE OF GUARDRAIL AT BRIDGE END

"G"=DISTANCE FROM ** TO WITHIN 2' OF MEDIAN ℄

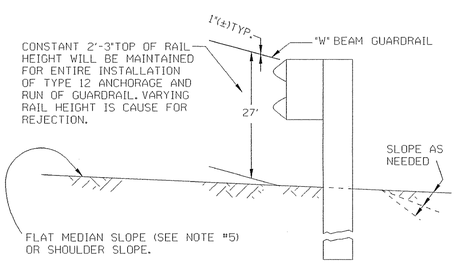
MIN "L" = "G"(a/b)-25'

FOR MINIMUM FLARE a/b SEE CHART AT TOP.

DESIGN "D"-GUARDRAIL AT BRIDGE ENDS IN/NARROW MEDIAN

DESIGN "D"IS LIMITED FOR USE WHERE THE GRASSED MEDIAN AT BRIDGE APPROACHES IS ALMOST FLUSH (SLOPES NOTE STEEPER THAN 20:1) AND MEDIAN IS LESS THAN 38 FT. IN WIDTH FOR OTHER CONDITIONS. SEE STD. 4051 OR CONSTRUCTION DETAILS.

⊕ FOR WIDER MEDIANS, SEE STD.4051



SECTION A-A

(SHOWN FOR "W"BEAM GUARDRAIL)

REVISION	DATE	BY
REV. ANCH. AT TURNOUTS	3-26-03	G.J.P.
REDRAWN	6-30-98	R.M.U.
CHG. TP.11 TO TP.12	11-17-97	R.M.U.
CHG. TP.9 TO TP.11	1-17-95	R.M.U.
DES. B TO STD.4055	10-4-93	R.M.U.
REV. NOTE 5	2-17-92	R.M.U.
REV. DES "B" & "D"	6- 1-90	R.M.U.
REV. NOTES 2,3, & 6	5-22-89	R.M.U.
REV. DES. B & C REQMT	10- 9-87	R.M.U.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

GUARDRAIL LOCATIONS IN MEDIANS
GUARDRAIL LOCATIONS AT TURNOUTS

SCALE: AS SHOWN

REV. & REDR.: DECEMBER, 1984

DES. R.M.U.
DRW. R.M.U.
TRA. G.M.E.
CHK. R.K.C.

(SUBMITTED)
STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED)
STATE HIGHWAY ENGINEER

NUMBER
4022A