TYPICAL LAYOUT AT PIERS AND SIGN SUPPORTS USING GUARDRAIL TYPE MGS-8

- The 22' dimension is centered on the pier or median from back of guardrail to back of guardrail. For piers greater than 4' in width/diameter, increase the 22' dimension to pier width/diameter + 18'.
- ** Increase length by 7.5' for each foot of pier width/diameter above 4'.
- *** Ensure no portion of guardrail encroaches on shoulder.

FOR MEDIANS 36' WIDE
TO MEDIANS LESS THAN 70' WIDE
USING GUARDRAIL TYPE MGS-8
GRADING OF SLOPES AT PIERS

FLATTER OR SHOULDER SLOPE
EXISTING SLOPE TO 1:10 OR UNIFORMLY TRANSITION FROM FLATTER 1:20 OR SHOULDER SLOPE
EXISTING
SHOULDER
OF TRAFFIC DIRECTION
EDGE OF PAVEMENT (TYP)

* SLOPE
* SLOPE
EXISTING SLOPE
TOE OF SLOPE LINE (TYP.)


GRADING IN MEDIANS FROM 36' TO LESS THAN 70' IN WIDTH USING GUARDRAIL TYPE MGS-8
**MEDIAN OBJECT PROTECTION**

**GUARDRAIL**

**TWIN PARALLEL GUARDRAIL RUNS USING GUARDRAIL TYPE MGS-8**

**SECTION C-C**

MEDIAN OBJECT PROTECTION

MEDIAN 70' IN WIDTH

USING GUARDRAIL TYPE MGS-8

**NOTE:**

1. GUARDRAIL DEPARTING TERMINAL TYPE MGS
2. GUARDRAIL APPROACH TERMINAL TYPE 2M
3. SIGN FOUNDATION IN ADVANCE OF GUARDRAIL, TYPE MGS-8
4. VARIABLE LENGTH
5. EDGE OF PAVEMENT (TYP.)
6. 1:8 OR FLATTER
GUARDRAIL CONNECTION AT FILLER WALL

(VARIA BLE WIDTH AS REQUIRED)

THRIE BEAM ELEMENT (TYP.)

POST BOLT WITH ROUND WASHER UNDER NUT (TYP.)

WOOD OFFSET BLOCK (TYP.)

GROUND LINE

6" x 8" x 7'-0" WOOD POST (TYP.)

POST DETAIL

WHEN WIDTH CAN ACCOMMODATE TWO GUARDRAIL POSTS

7/8" DIA. THREADED STUD

NUT SHALL FULLY ENGAGE THREADS AND BE WELDED FLUSH TO END OF THREADED STUD PRIOR TO BEING GALVANIZED

LENGTH AS REQUIRED

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT

GUARDRAIL
MEDIAN OBJECT PROTECTION

F.H.W.A. APPROVAL
2-5-2019
R-56-F