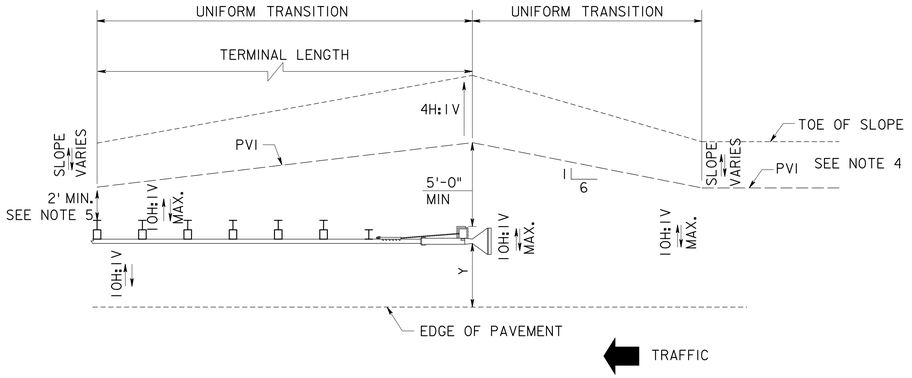
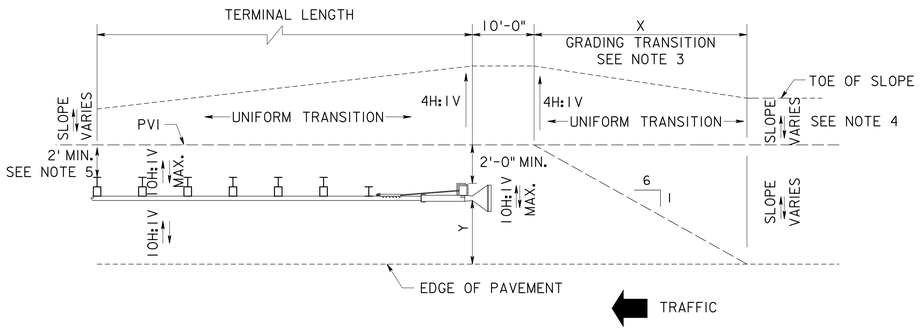
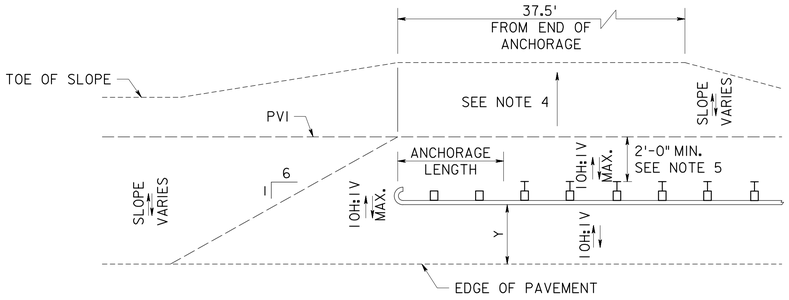


TANGENT GUIDE RAIL TERMINALS STANDARD GRADING



TANGENT GUIDE RAIL TERMINALS ALTERNATE GRADING



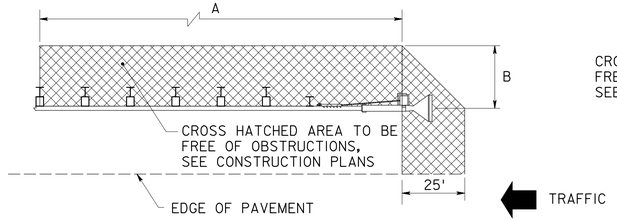
BEAM GUIDE RAIL END ANCHORAGE GRADING

Y = GUIDE RAIL OFFSET FROM EDGE OF PAVEMENT	X
0' (SEE NOTE 2)	30'
2'-0"	30'
4'-0"	42'

NOTES:

1. TERMINAL GRADING TREATMENT TO BE AS SPECIFIED ON CONSTRUCTION PLANS.
2. WHERE GUIDE RAIL IS INSTALLED FLUSH WITH THE GUTTER LINE, THE TANGENT GUIDE RAIL TERMINAL SHALL BE CONSTRUCTED WITH A STRAIGHT FLARE FOR ITS ENTIRE LENGTH TO CREATE A 2 FOOT OFFSET SO THAT THE EXTRUDER HEAD DOES NOT PROTRUDE INTO THE ROADWAY. SEE GR-5.
3. GRADING TRANSITION ONLY NEEDED IF APPROACHING SLOPE IS STEEPER THAN 4H:1V.
4. SIDE SLOPES 4H:1V MAX OR AS NOTED ON PLANS.
5. THE 2 FOOT MINIMUM OFFSET FROM BACK OF GUIDE RAIL POSTS TO THE PVI SHALL EXTEND THROUGH THE FIRST TWO FULL RAIL ELEMENTS BEYOND THE PAY LIMITS OF THE TERMINAL OR ANCHORAGE AS SHOWN. SEE GR-10 FOR ADDITIONAL POST LENGTHS IF OFFSET BEYOND THESE LIMITS IS LESS THAN 2 FEET.

MINIMUM RECOVERY AREA AT TANGENT GUIDE RAIL TERMINAL		
DESIGN SPEED (MPH)	A	B
40 OR LESS	50'	10'
45	55'	12'
50	60'	15'
55	65'	18'
60 OR GREATER	75'	20'

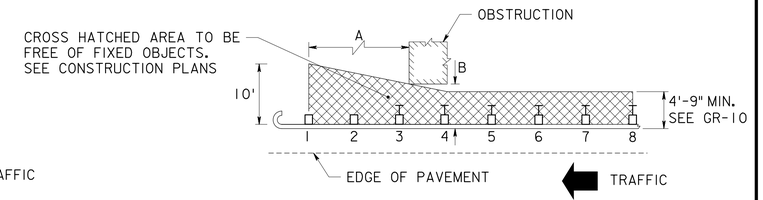


MINIMUM RECOVERY AREA AT TANGENT GUIDE RAIL TERMINALS

NOTES:

1. THERE SHALL BE NO FIXED OBJECTS IN FRONT OF THE TANGENT GUIDE RAIL TERMINAL FOR ITS ENTIRE LENGTH.
2. USE MINIMUM RECOVERY AREA DIMENSIONS UNLESS GREATER DIMENSIONS ARE ROCOMMENDED BY TERMINAL MANUFATURER.

MINIMUM RECOVERY AREA AT GUIDE RAIL END ANCHORAGE	
DISTANCE FROM FRONT FACE OF RAIL TO OBSTRUCTION (B)	MINIMUM DISTANCE FROM LAST POST OF ANCHORAGE TO THE OBSTRUCTION (A)
4'-9"	25'
6'-0"	20'
7'-0"	15'
7'-6" OR GREATER	12.5'
3'-6" (SEE NOTE 1)	43.75' (POST #8)



MINIMUM RECOVERY AREA AT BEAM GUIDE RAIL END ANCHORAGE

NOTES:

1. REDUCED DISTANCE IS APPLICABLE ONLY TO MASH APPROVED BREAKAWAY FEATURES BEHIND GUIDE RAIL.

MASH TL-3

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

REV.	DESCRIPTION	DATE
0	ORIGINAL DRAWING	07/21

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE
GARDEN STATE PARKWAY

STANDARD DRAWINGS

ANCHORAGE AND TERMINAL GRADING AND ROADSIDE RECOVERY AREA

OFFICE OF THE CHIEF ENGINEER
NEW JERSEY TURNPIKE AUTHORITY
WOODBRIDGE, NEW JERSEY

STANDARD DRAWING

GR-6

CONTRACT NO.

SHEET NO. OF