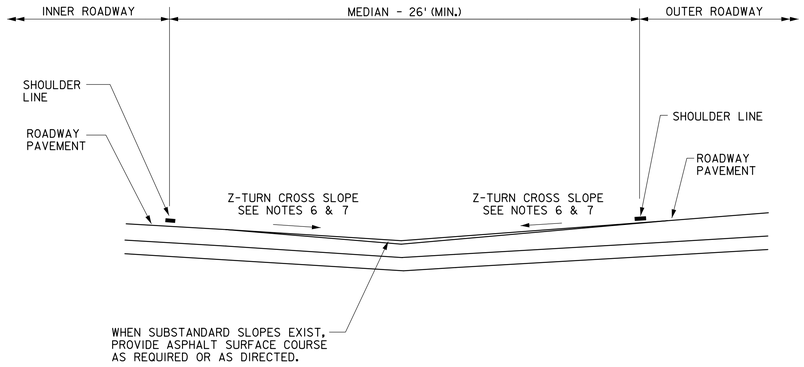
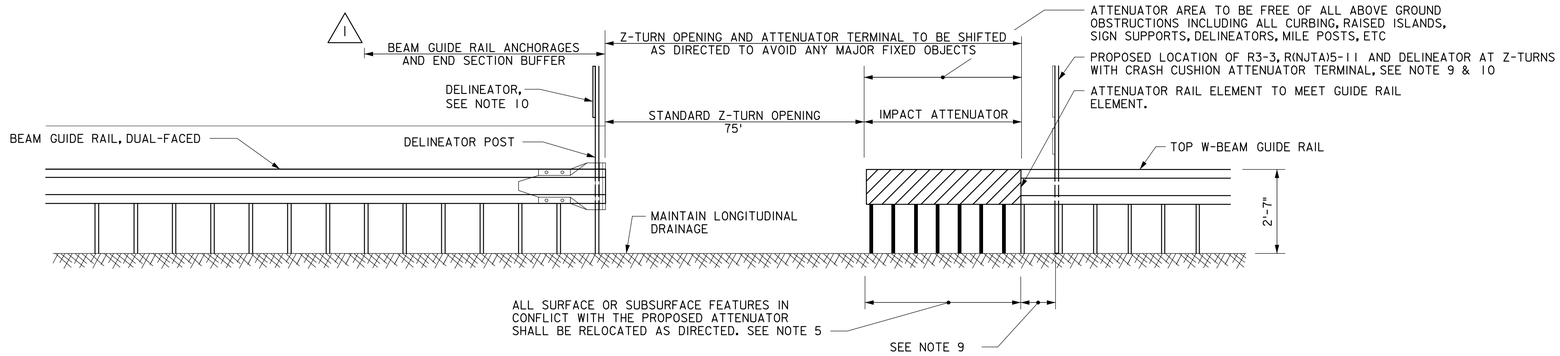
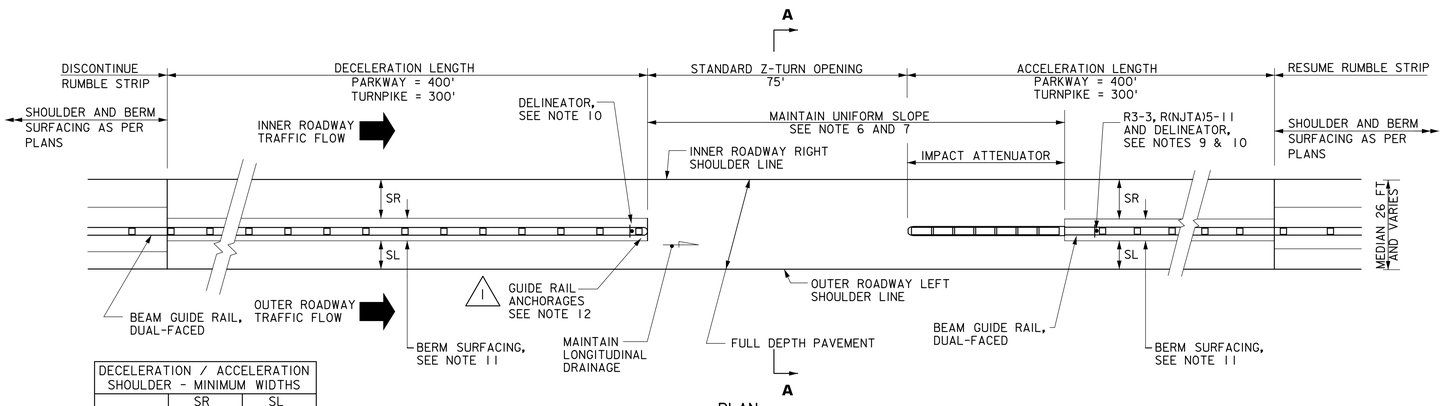


SECTION A-A



ELEVATION



DECELERATION / ACCELERATION SHOULDER - MINIMUM WIDTHS		
	SR	SL
PARKWAY	12'-0"	12'-0"
TURNPIKE	14'-0"	10'-0"

PLAN

STANDARD MEDIAN Z-TURN INSTALLATION
DUAL-FACED GUIDE RAIL

GENERAL NOTES:

1. THE SELECTION CRITERIA FOR Z-TURN INSTALLATIONS IS AS FOLLOWS:
   - -THE STANDARD MEDIAN INSTALLATION SHALL BE APPLICABLE AT Z-TURNS WITH DUAL FACED BEAM GUIDE RAIL.
   - -THE STANDARD WIDE MEDIAN INSTALLATION SHALL BE APPLICABLE TO Z-TURNS WITH SINGLE FACED BEAM GUIDE RAIL WHERE AMPLE UNOBSTRUCTED SPACE IS AVAILABLE TO INSTALL THE REQUIRED GUIDE RAIL TRANSITIONS TO THE IMPACT ATTENUATOR. SEE GR-20.
   - -THE ALTERNATE WIDE MEDIAN INSTALLATION SHALL BE APPLICABLE TO Z-TURNS WITH SINGLE FACE GUIDE RAIL WHERE THE SINGLE FACED GUIDE RAIL CANNOT BE PROPERLY TRANSITIONED OR IN EXCESSIVELY WIDE MEDIAN AREAS. SEE GR-20.
2. DRAINAGE IN THE MEDIAN SHOULD BE MAINTAINED.
3. FOR THE REQUIRED INSTALLATION OF ALL STANDARD BEAM GUIDE RAIL COMPONENTS, REFER TO STANDARD DRAWINGS GR-1 TO GR-18.
4. ADJUST GUIDE RAIL TRANSITION AS REQUIRED TO MINIMIZE IMPACTS TO THE FIXED OBJECTS IN THE MEDIAN.
5. IN AREAS WHERE ELECTRICAL CONDUIT OR OTHER UTILITY LINES MIGHT CONFLICT WITH BEAM GUIDE RAIL POSTS OR ATTENUATOR FOUNDATIONS, THE CONTRACTOR MUST EXPOSE THE CONDUIT BY HAND EXCAVATED TEST PITS.
6. ELIMINATE ANY BREAKS IN LONGITUDINAL GRADE OR CROSS SLOPE TO PROVIDE A SMOOTH APPROACH.
7. CROSS SLOPES SHALL BE 10H:1V OR FLATTER, WITH AN ABSOLUTE MAXIMUM OF 8H:1V, AND AS PER IMPACT ATTENUATOR MANUFACTURER REQUIREMENTS.
8. GARDEN STATE PARKWAY RAIL ELEMENTS AND POSTS TO BE PRE-STAINED PRIOR TO INSTALLATION TO CREATE A RUSTIC BROWN MATTE FINISH. REFER TO SPECIFICATIONS FOR STAIN TREATMENT.
9. R3-3, R(NJTA)5-11 AND DELINEATOR SHALL BE LOCATED A MINIMUM OF 6'-3" BEYOND END OF IMPACT ATTENUATOR OR BULLNOSE ATTENUATOR.
10. SEE DE STANDARD DRAWINGS FOR Z-TURN DELINEATOR LAYOUT.
11. SEE GR-9 FOR BERM SURFACING DIMENSIONS.
1. 12. BEAM GUIDE RAIL DUAL FACED END ANCHORAGE CONSISTS OF TWO GUIDE RAIL END ANCHORAGES AND END SECTION BUFFER AS DETAILED AND NOTED ON GR-4.

MASH TL-3

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

REV.	DESCRIPTION	DATE
1	REVISED END ANCHORAGE CALLOUT AND NOTE	07/26
0	ORIGINAL DRAWING	07/21

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
GARDEN STATE PARKWAY
STANDARD DRAWINGS

Z-TURN TREATMENT - 1

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

STANDARD DRAWING
GR-19

CONTRACT NO.

SHEET NO. OF