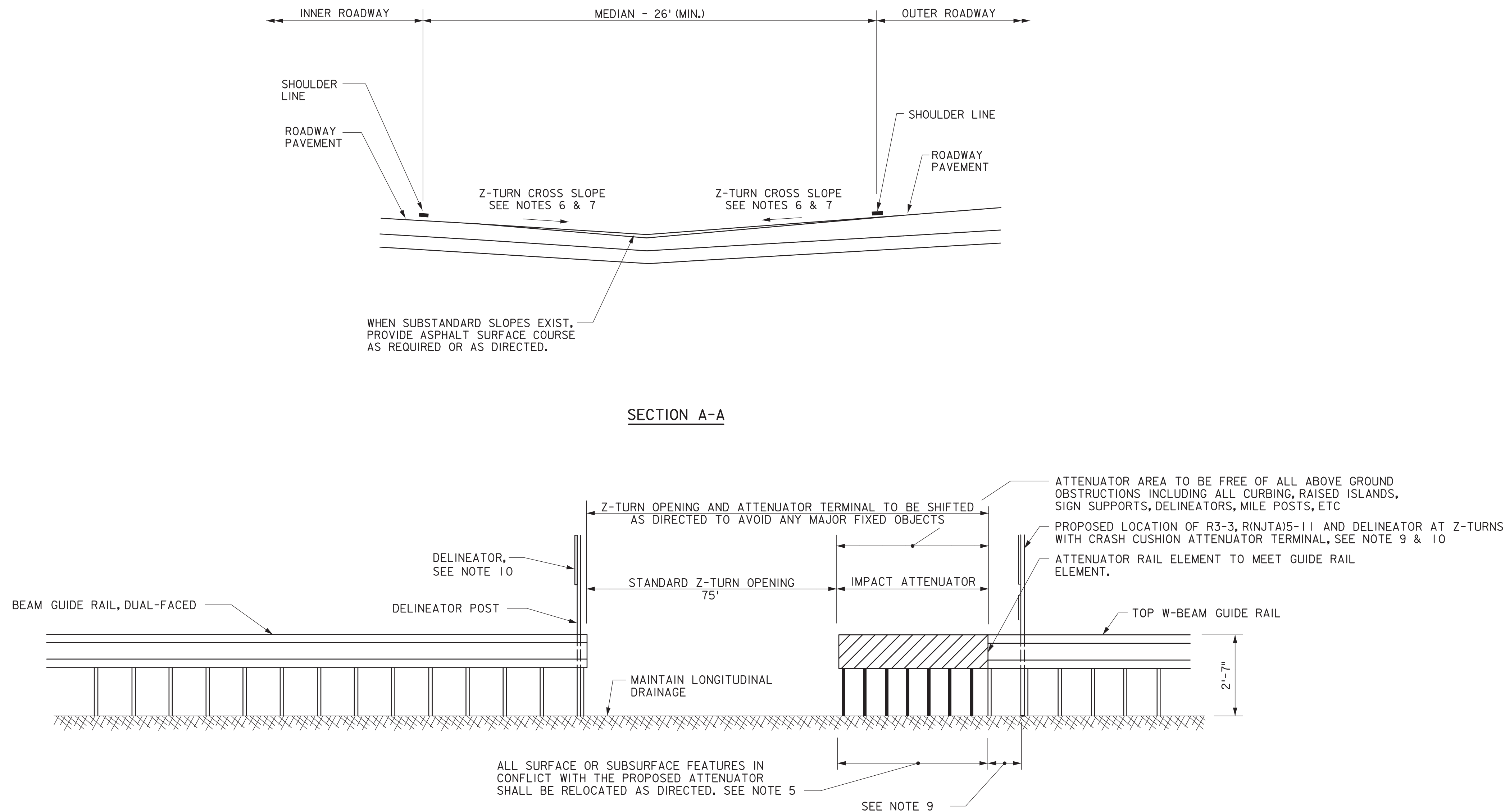
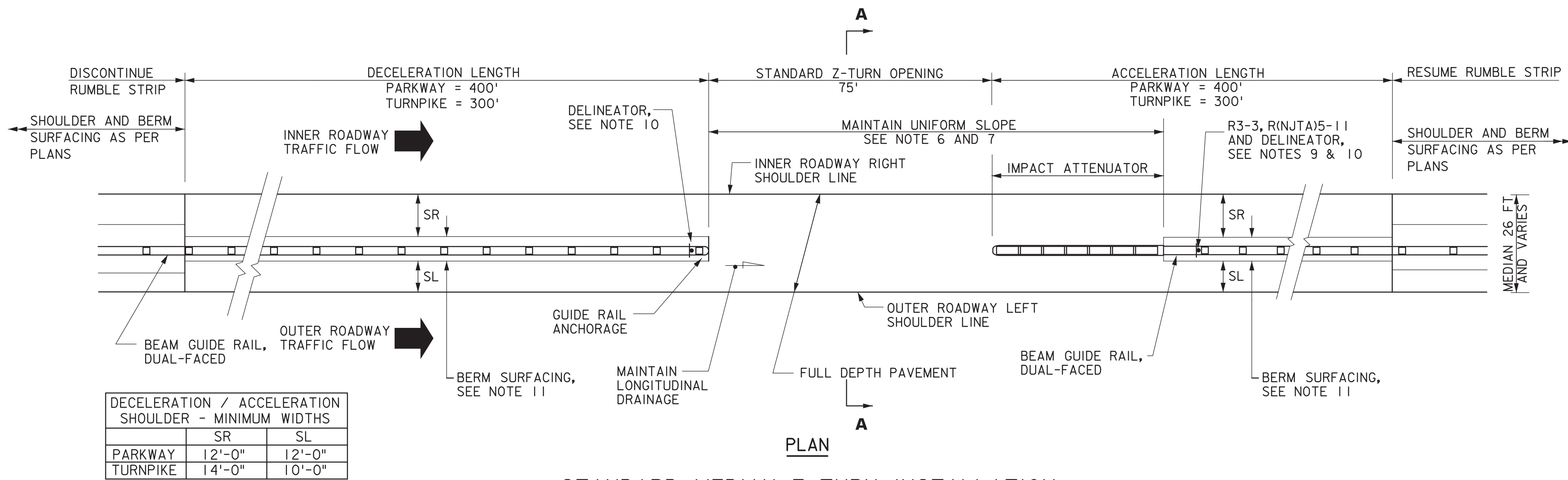


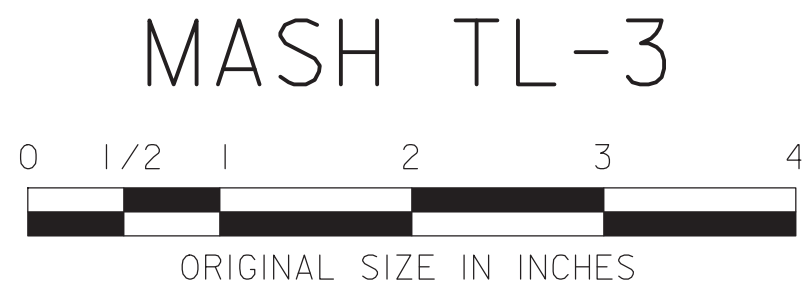


GENERAL NOTES:

- 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.
- DRAINAGE IN THE MEDIAN SHOULD BE MAINTAINED.
- FOR THE REQUIRED INSTALLATION OF ALL STANDARD BEAM GUIDE RAIL COMPONENTS, REFER TO STANDARD DRAWINGS GR-1 TO GR-18.
- ADJUST GUIDE RAIL TRANSITION AS REQUIRED TO MINIMIZE IMPACTS TO THE FIXED OBJECTS IN THE MEDIAN.
- 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.
- ELIMINATE ANY BREAKS IN LONGITUDINAL GRADE OR CROSS SLOPE TO PROVIDE A SMOOTH APPROACH.
- CROSS SLOPES SHALL BE 10H:1V OR FLATTER, WITH AN ABSOLUTE MAXIMUM OF 8H:1V, AND AS PER IMPACT ATTENUATOR MANUFACTURER REQUIREMENTS.
- 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.
- R3-3, R(NJTA)5-11 AND DELINEATOR SHALL BE LOCATED A MINIMUM OF 6'-3" BEYOND END OF IMPACT ATTENUATOR OR BULLNOSE ATTENUATOR.
- SEE DE STANDARD DRAWINGS FOR Z-TURN DELINEATOR LAYOUT.
- SEE GR-9 FOR BERM SURFACING DIMENSIONS.



STANDARD MEDIAN Z-TURN INSTALLATION
DUAL-FACED GUIDE RAIL



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
WOODBIDGE, NEW JERSEY

STANDARD DRAWING
GR-19

0	ORIGINAL DRAWING	07/21
REV.	DESCRIPTION	DATE