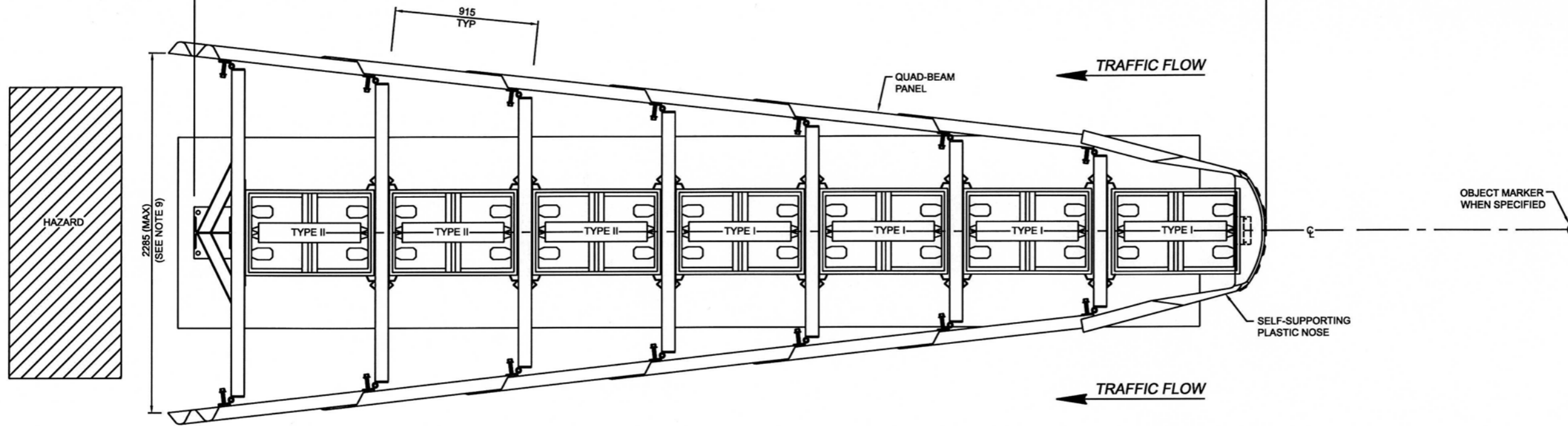
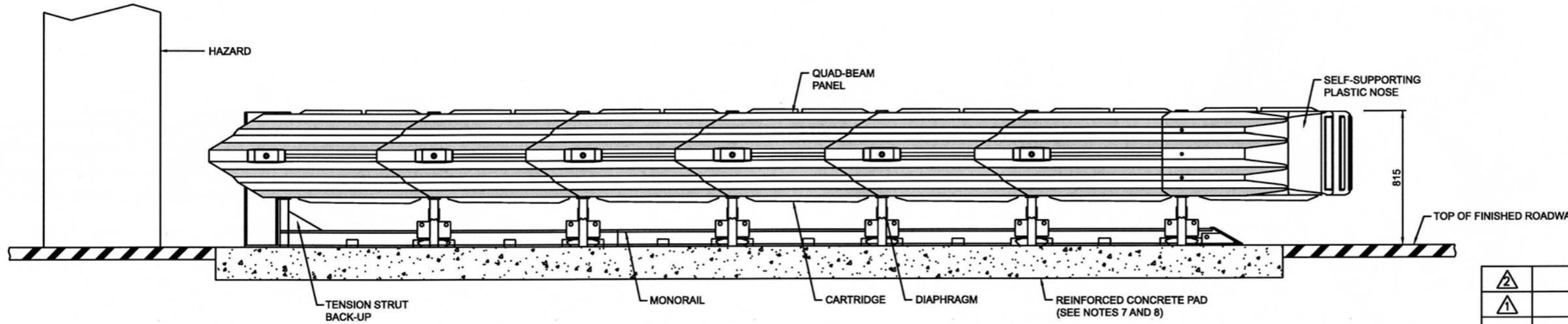


SYSTEM LENGTH - SEE TABLE A

2000



PLAN



ELEVATION

NOTES:

1. THE QUADGUARD SYSTEM DEPICTED ON THIS DRAWING IS PROPRIETARY TO ENERGY ABSORPTION SYSTEMS, INC. THE SYSTEM SHOWN IS FOR A PERMANENT APPLICATION WITH A TENSION STRUT PROVIDING BACK-UP.
2. SEE TABLE A FOR NUMBER OF CARTRIDGE TYPES REQUIRED BASED ON POSTED SPEED.
3. THE QUADGUARD SYSTEM SHALL NOT BE PLACED DIRECTLY BEHIND A RAISED CURB.
4. THE APPROACH AREA IN FRONT OF THE INSTALLED SYSTEM SHALL BE GRADED TO A SLOPE NOT EXCEEDING 10:1 IN THE DIRECTION OF TRAFFIC FLOW. THE CROSS SLOPE SHALL NOT EXCEED 12:1.
5. THE ENTIRE LENGTH OF THE QUADGUARD SYSTEM LESS 500 CAN BE USED IN LENGTH OF NEED CALCULATIONS AS IT IS FULLY REDIRECTING.
6. SIGNS AND OTHER APPURTENANCES SHALL NOT BE INSTALLED WITHIN 1500 DIRECTLY BEHIND THE END OF THE FENDER PANELS. THIS IS TO ALLOW THE FENDER PANELS OF THE QUADGUARD TO RETRACT DURING END-ON IMPACT.
7. THE QUADGUARD SYSTEM SHALL BE ANCHORED TO A CONCRETE PAD FOUNDATION AS PER THE INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER. SEE DRAWING RDG-B6.11 FOR DETAILS.
8. FOR TEMPORARY APPLICATIONS, THE QUADGUARD SYSTEM IS AVAILABLE IN A CZ CONFIGURATION AND MAY BE ANCHORED INTO 150 OF ASPHALT UNDERLAIN WITH AT LEAST 150 OF COMPACTED SUBBASE USING 16 DIA X 460 LONG ANCHOR STUDS AS PER THE MANUFACTURER'S INSTRUCTIONS.
9. THE QUADGUARD SYSTEM IS AVAILABLE IN 5 NOMINAL WIDTHS: 610, 760, 915, 1755 AND 2285. UNLESS OTHERWISE WARRANTED BY SITE SPECIFIC REQUIREMENTS, SELECTION OF THE NARROWEST WIDTH THAT ADEQUATELY SHIELDS THE HAZARD IS RECOMMENDED.

POSTED SPEED KM/H	< 70	≥ 70
NCHRP REPORT 350 TEST LEVEL	TL - 2	TL - 3
BAYS	3	6
TYPE I CARTRIDGES FRONT	3	4
TYPE II CARTRIDGES REAR	1	3
SYSTEM LENGTH	4000	6740

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

No.	REVISIONS	BY	DATE

Approved:
Alan Swan
Executive Director,
Technical Standards Branch
Date: NOVEMBER, 2007



**TL-2 AND TL-3
UNIDIRECTIONAL QUADGUARD
CRASH CUSHION SYSTEM
FOR WIDE MEDIAN HAZARDS**

Prepared By: MO Checked By: WS Scale: N.T.S. Dwg No.: **RDG-B6.10**