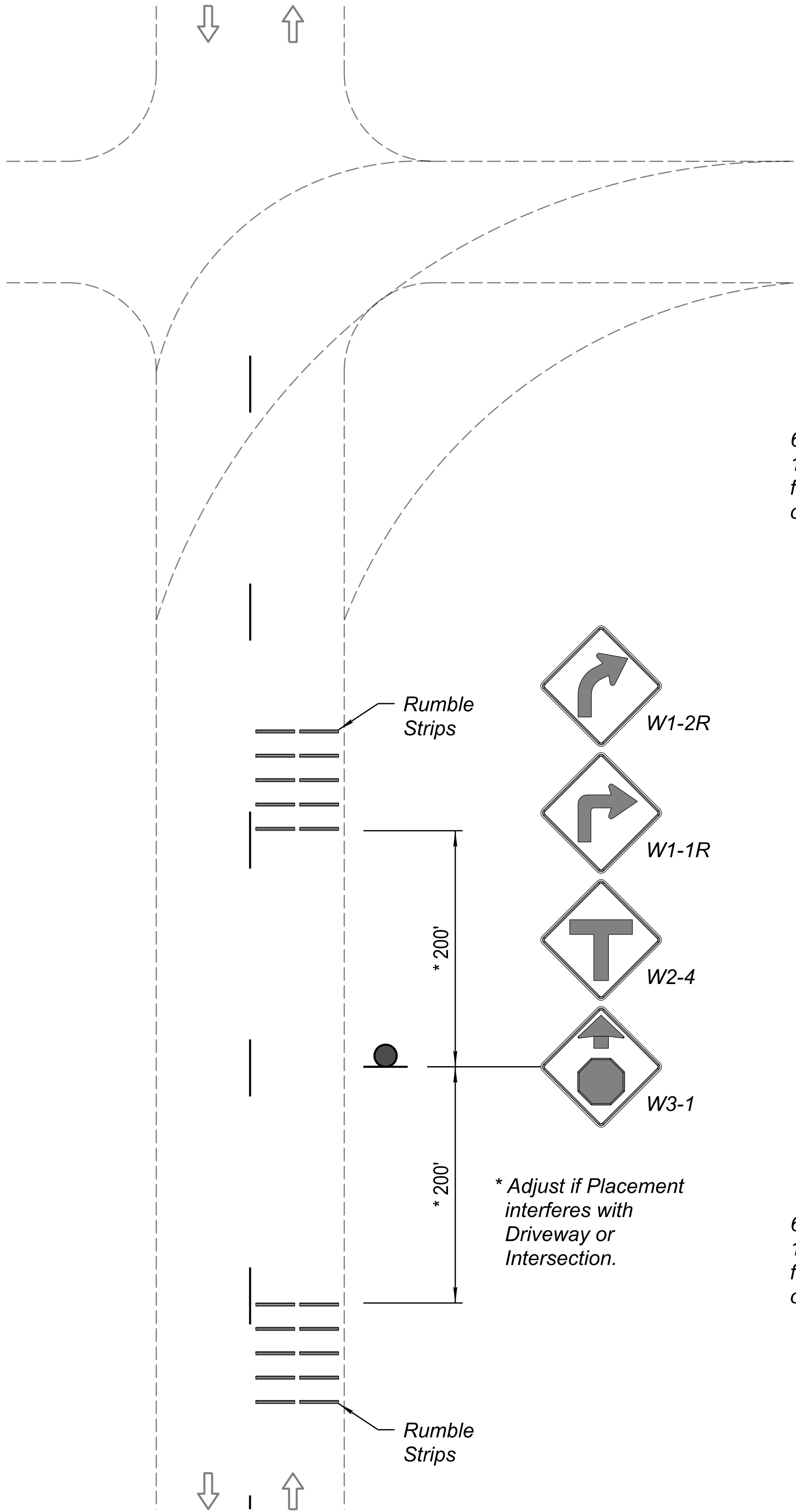
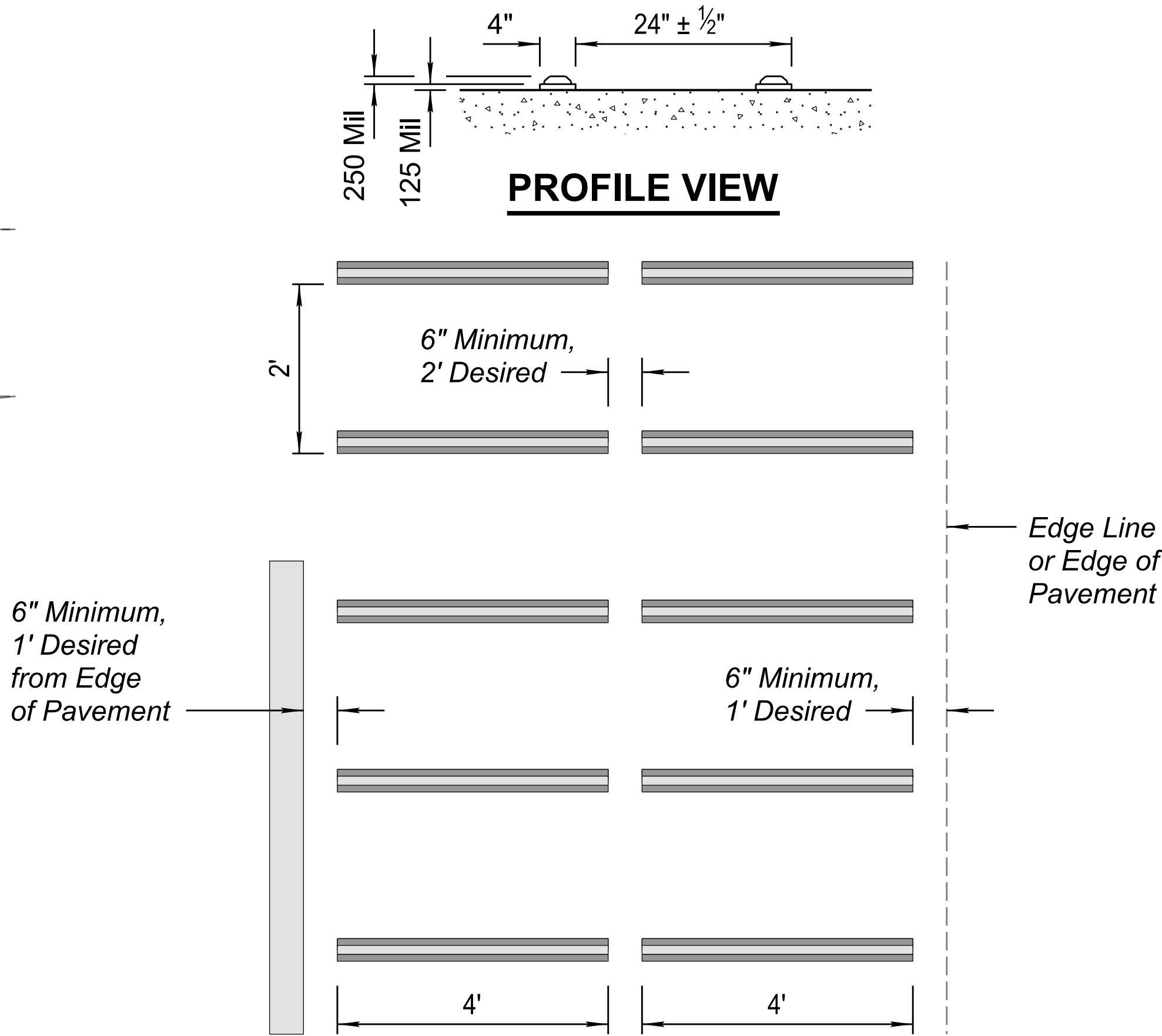


Note to Designer:
The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

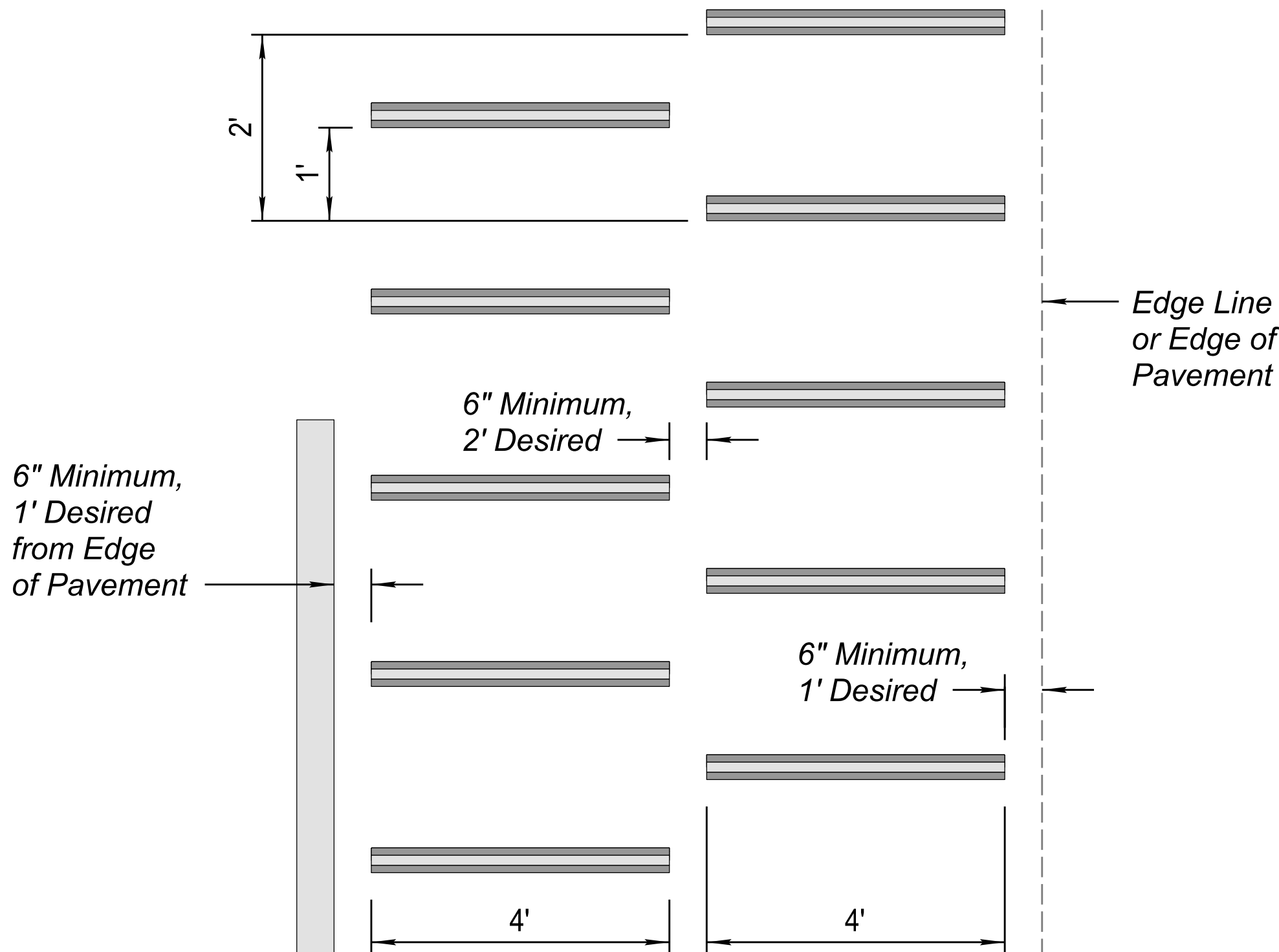
PRIOR DISTRIBUTION DATE
ORIGINAL ISSUE



**RUMBLE STRIP
TYPICAL APPLICATION**
See Note #1



**RUMBLE STRIP STANDARD PATTERN
PLAN VIEW**



**RUMBLE STRIP ALTERNATIVE PATTERN
PLAN VIEW**

NOTES:

1. Transverse or in-lane rumble strips should only be used at high incident and special geometric locations. These special geometric locations may include: approaches to rural, high speed signalized or stop-controlled intersections with sight restrictions and/or high crash rates, approaches to unexpected urban intersections, approaches to newly installed stop or signalized controlled intersections, approaches to toll plazas, approaches to hazardous horizontal curves, and approaches to railroad grade crossing.
2. When used, the rumble strips placement is dependent on operation speeds and shall be based on the Table 2C-3 "Guidelines for Advance Placement of Advance Warning Signs" of the 2023 MUTCD. Apply upstream and downstream of the warning sign.
3. The use of rumble strips should not be widespread or indiscriminate and shall be approved by the RTE or State Traffic Engineer.
4. Preformed black raised rumble strips should be used. They should be installed in accordance with the manufacturer's recommendations.
5. Please reference the ADOT Material Producers List for approved rumble strips (transverse): <http://www.azdot.gov/>
6. Consideration should be given to noise levels when in-lane or transverse rumble strips are to be installed near residential areas, schools, churches, etc.
7. The RUMBLE STRIPS AHEAD (W17-2AZ) sign may be used in advance of in-lane or transverse rumble strips, based on engineering judgement. This sign is typically not necessary for rumble strip installations built to the guidelines on this standard drawing. When used, this sign should be spaced in advance of the rumble strips based on the Guidelines for Advance Placement of Warning Signs table of the Arizona Manual on Uniform Traffic Control Devices.



8. Consideration shall be given to bicyclists. See RS(6).
9. Other signs can be used as conditions warrant.

STANDARDS ENGINEER		ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING AND MARKING STANDARD DRAWING	
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RECOMMENDED FOR APPROVAL			
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K. WILCOXON			
APPROVED			
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION		05/2026 DATE	DRAWING NO. M-22 Sheet 11 of 11