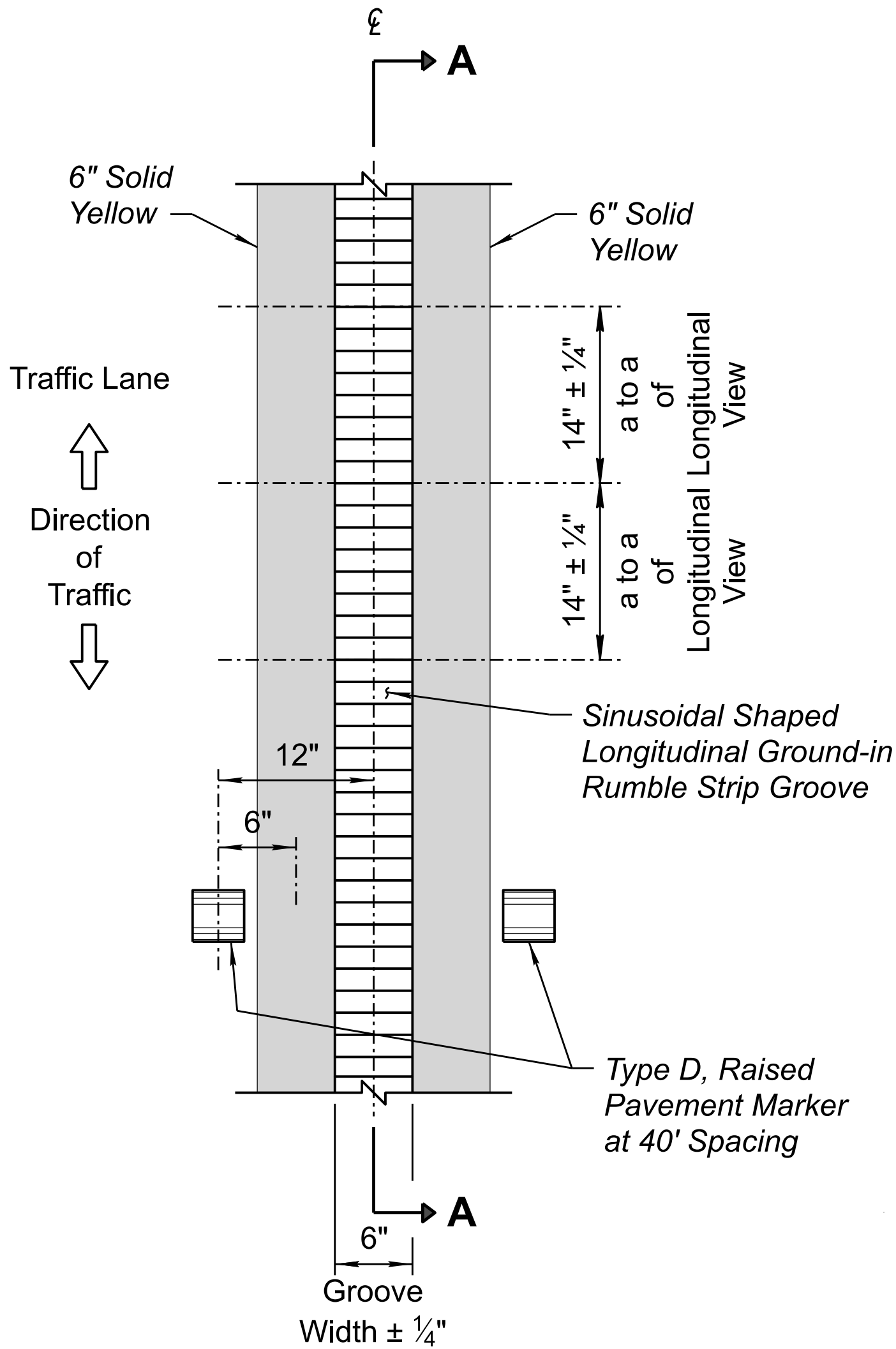


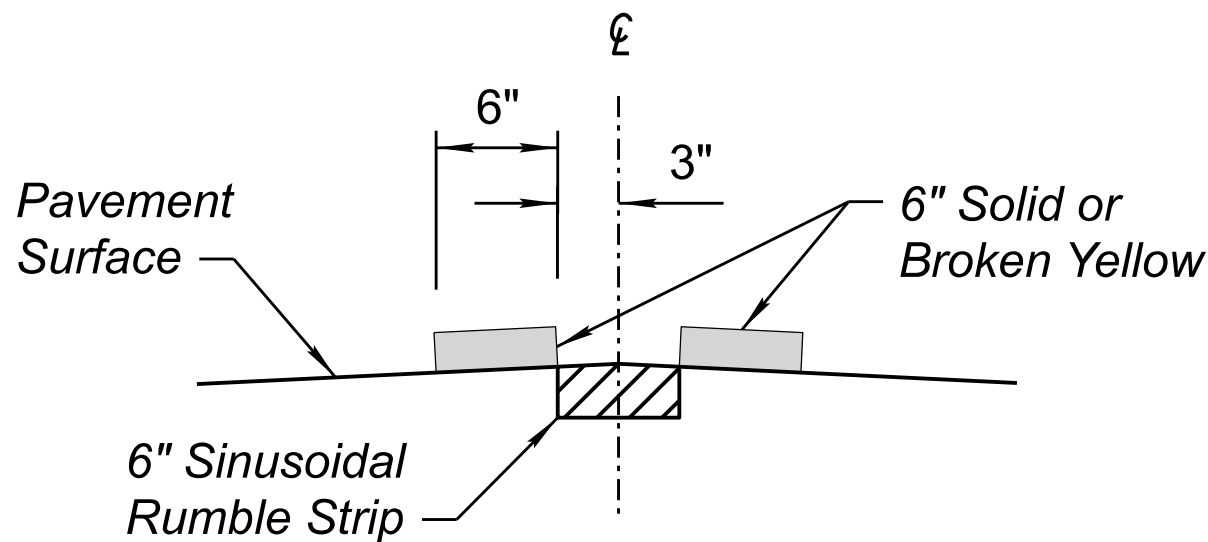
Note to Designer:
The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability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

NOTES:

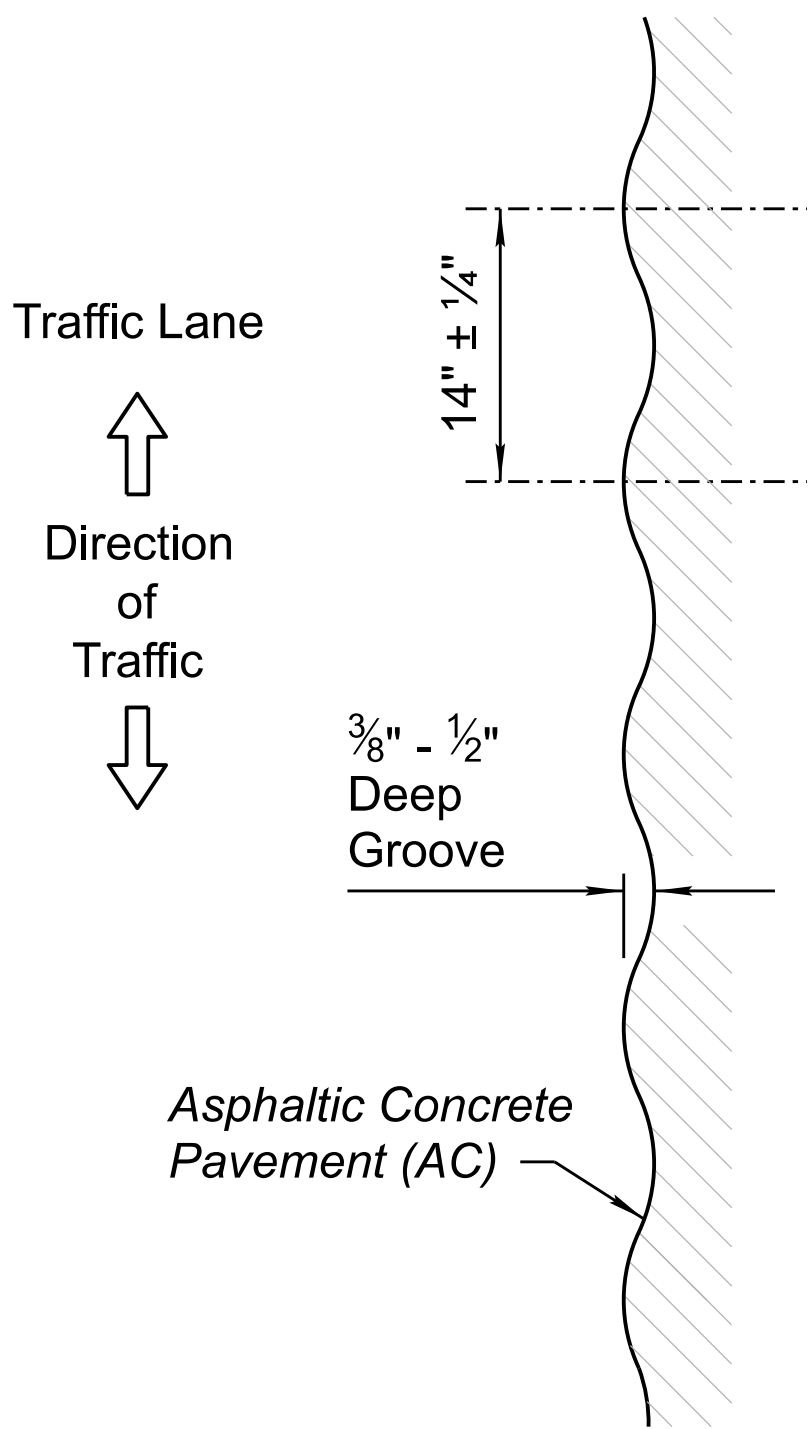
- 1. Plans shall identify specific ground-in rumble strips locations and exceptions.
- 2. The longitudinal ground-in rumble strips groove and pattern shall be constructed by milling or grinding the indentations in the asphaltic concrete pavement.
- 3. The grinding machine shall be equipped with an acceptable guide that allows the rumble strips to be installed to the proper alignment within acceptable tolerances.
- 4. If permanent markings are not in place, to ensure proper rumble strips location, a temporary painted edge line shall be installed at the permanent location of the center lines prior to the installation of the ground-in rumble strips. The rumble strips shall follow the location of the painted center line.
- 5. The radius and configuration of the cutting/milling drum and machine shall be able to produce a smooth and consistent groove to the requirements of these standard drawing details.



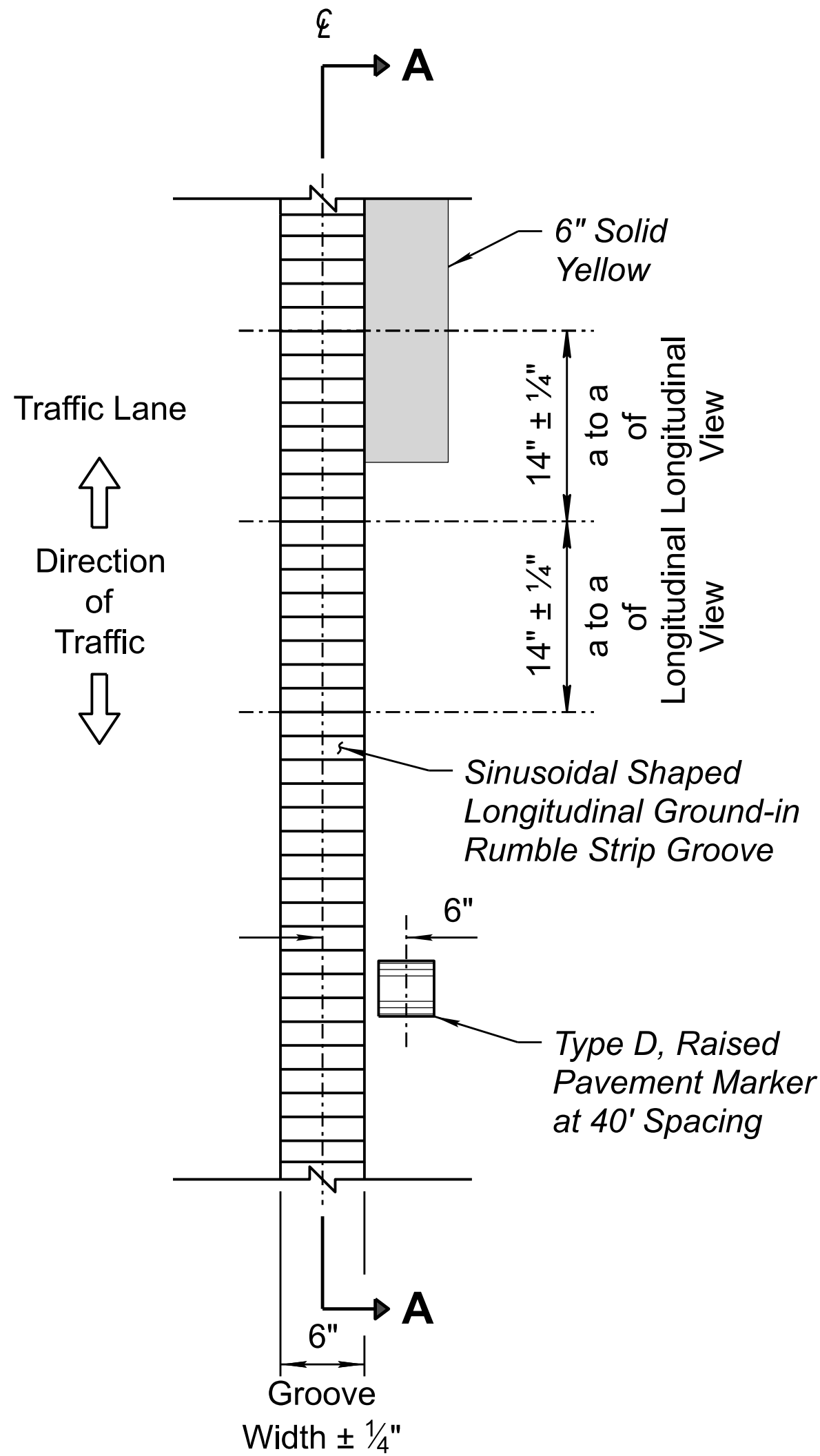
PLAN VIEW



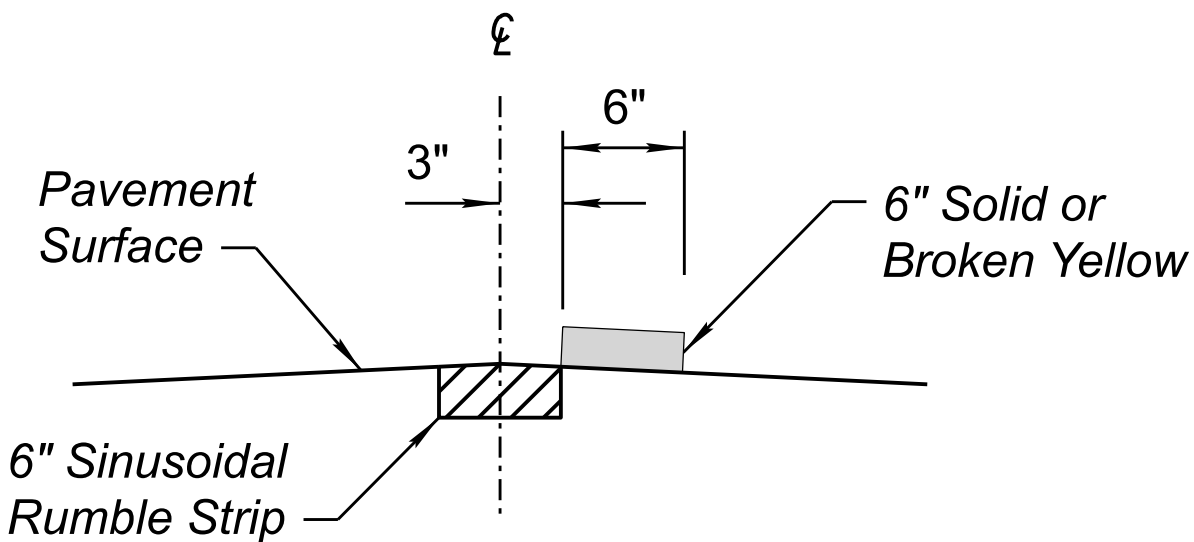
PROFILE VIEW



SECTION A - A

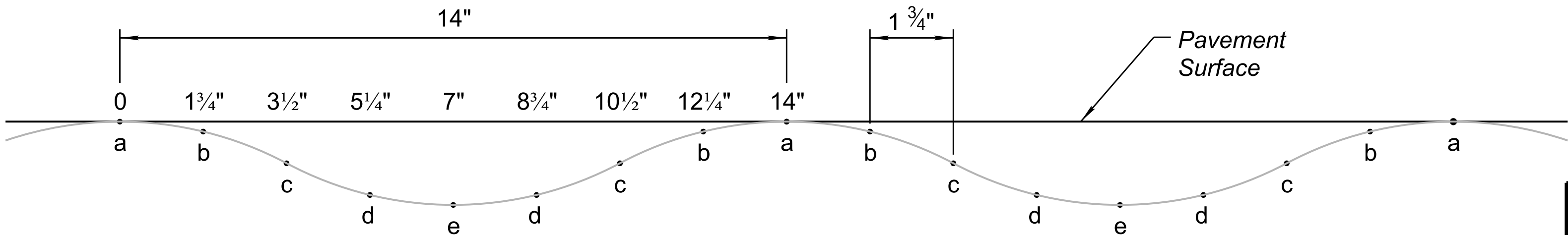


PLAN VIEW



PROFILE VIEW

LOCATION	DEPTH	
	MIL	INCHES
a	62.5	1/16"
b	156	5/32"
c	281	9/32"
d	438	7/16"
e	500	1/2"



LONGITUDINAL VIEW

STANDARDS ENGINEER		ARIZONA DEPARTMENT OF TRANSPORTATION PROJECT DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING AND MARKING STANDARD DRAWING	
M. ORLANDINI			
RECOMMENDED FOR APPROVAL GROUP MANAGER		SINUSOIDAL RUMBLE STRIPE GROOVE, PATTERN AND LOCATION DETAILS	
K. WILCOXON			
APPROVED			
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION		05/2026 DATE	DRAWING NO. M-22 Sheet 8 of 11