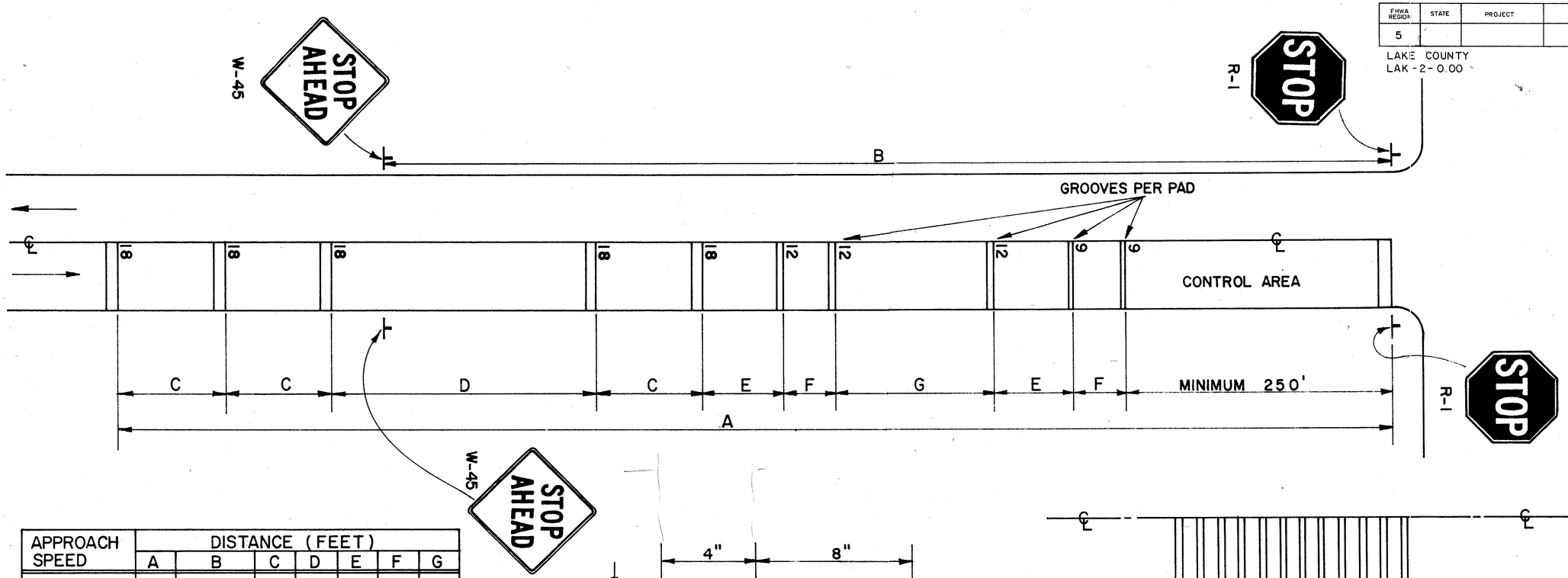
FHWA REGION	STATE	PROJECT	
5			

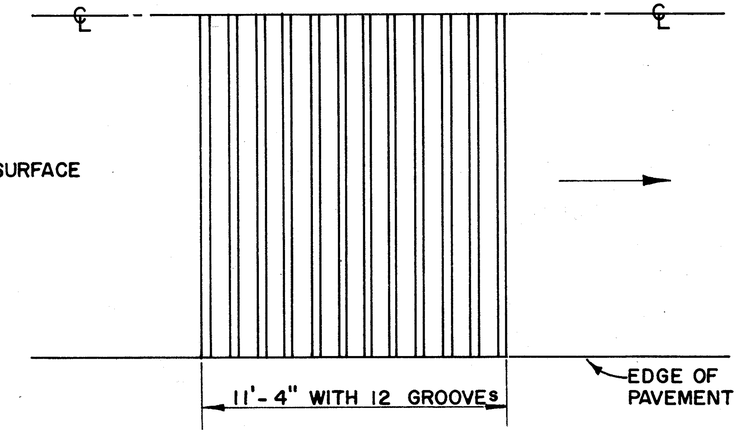
LAKE COUNTY
LAK-2-0.00

51
171



APPROACH SPEED	DISTANCE (FEET)						
	A	B	C	D	E	F	G
50-55 MPH	1200	750-950	100	250	75	50	150
40-45 MPH	1060	680-840	85	210	65	45	125
35 or LESS	895	590-705	70	165	50	35	100

TYPICAL GROOVE DETAIL



TYPICAL RUMBLE STRIP

GENERAL NOTES

1. THE PROPOSED RUMBLE STRIPS SHALL CONSIST OF PARALLEL GROOVES CUT AT ONE (1) FOOT CENTER TO CENTER.

2. EACH GROOVE SHALL BE CUT TO A DEPTH OF APPROXIMATELY 3/8 INCH, WITH ALLOWANCE FOR PAVEMENT SURFACE IRREGULARITIES AND VARIATIONS. WIDTH OF THE GROOVE AT THE PAVEMENT SURFACE IS TO BE 4 INCHES, WITH TAPERED SIDES SUCH THAT GROOVE WIDTH AT THE BOTTOM IS APPROXIMATELY 3 1/2 INCHES. CONSTRUCTION METHODS OTHER THAN SAW CUTTING MUST BE APPROVED BY THE ENGINEER OF TRAFFIC PRIOR TO USE.

3. THIS APPLICATION STANDARD WAS DEVELOPED FOR STOP APPROACHES. THE CONTROL AREA LENGTH SHALL BE A MINIMUM OF 250 FEET FOR ALL APPLICATIONS AND MAY BE EXTENDED AS NECESSARY. THE CONTROL AREA FOR CURVES ON MAINLINES, DIRECTIONAL RAMPS, EXIT RAMPS OR OTHER NON-STOP APPROACHES SHALL BE THE AREA FROM THE CLOSEST RUMBLE STRIP TO THE CURVE TO THE P.C. (POINT OF CURVE) CLOSEST TO THE RUMBLE STRIP. CONTROL AREA LENGTHS FOR VARIOUS RUMBLE STRIP APPLICATIONS MUST BE OF SUFFICIENT LENGTH TO ALLOW THE MOTORISTS TO BRAKE THEIR VEHICLES PROPERLY.

OHIO DEPARTMENT OF TRANSPORTATION

TYPICAL GROOVED RUMBLE STRIP INSTALLATION FOR STOP APPROACHES	DATE 8/77