



SECTION

NOTES:

1. DESIGN CALCULATIONS MUST BE SUBMITTED FOR RETAINING WALLS WITH HEIGHTS EXCEEDING 24".
2. HANDRAIL IS REQUIRED FOR RETAINING WALLS WITH HEIGHTS OF 30" OR GREATER.
3. CONTRACTION JOINTS IN THE SIDEWALK SHALL BE HAND-TOOLED OR SAWED AT RIGHT ANGLES TO THE ALIGNMENT OF THE SIDEWALK WITH A LONGITUDINAL SPACING OF 7 FEET. VERTICAL JOINTS IN THE RETAINING WALL WILL ALIGN WITH THE JOINTS IN THE SIDEWALK.
4. EXPANSION JOINT SPACING IS 100 FEET MAXIMUM. HORIZONTAL AND VERTICAL JOINTS WILL ALIGN WITH EACH OTHER. #5 SMOOTH DOWELS, 24" IN LENGTH, WILL BE REQUIRED AT 12" CENTERS FOR BOTH HORIZONTAL AND VERTICAL JOINTS.
5. ALL VERTICAL JOINTS SHALL HAVE A 1" WIDE PREFORMED CHAMFER. EXPOSED EDGES OF THE WALL SHALL HAVE A 3/4" PREFORMED CHAMFER.
6. PROTECTIVE CAPS SHALL BE PLACED ON ALL VERTICAL STEEL UNTIL CONCRETE IS POURED.
7. KCMMB 4K CONCRETE SHALL BE USED THROUGHOUT AND ADHERE TO CITY OF GARDNER TECHNICAL SPECIFICATIONS.
8. SEE SIDEWALK STANDARD DETAIL FOR ADDITIONAL REQUIREMENTS.
9. SEE UNDERDRAIN STANDARD DETAIL FOR ADDITIONAL UNDERDRAIN REQUIREMENTS. UNDERDRAIN LAYOUT INCLUDING PIPE ELEVATIONS AND INLET CONNECTION POINTS SHALL BE APPROVED BY THE CITY ENGINEER.
10. WALLS PLACED ALONG ARTERIAL ROADWAYS, OR OTHER LOCATIONS DESIGNATED BY THE CITY ENGINEER, SHALL BE POURED IN PLACE WITH DECORATIVE FORMLINER, TO BE SUBMITTED TO CITY ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. SEE CITY OF GARDNER APPROVED MATERIALS LIST.

	APPROVED	REVISED	SIDEWALK DETAIL W/ABUTTING RETAINING WALL	STANDARD DETAIL 21-8
	TRM CITY ENGINEER	5-25-22		
	2-1-07 DATE	_____		