



# City of Macedonia

## The Crossroads of Northeast Ohio

9691 Valley View Road • Macedonia, Ohio 44056  
(330) 468-8360 • FAX (330) 468-8396

Building/Engineering/Zoning/Planning Department

### CITY OF MACEDONIA SIDEWALK SPECIFICATIONS

#### TRAFFIC CONTROL

1. Sidewalks under construction shall be barricaded or fenced to protect pedestrians.

#### THICKNESS AND MATERIAL

1. Sidewalks shall have a minimum thickness of 4 inches. Sidewalks crossing driveways shall have a minimum thickness of 6 inches.
2. Sidewalks shall be constructed as specified in ODOT 608 of materials specified in ODOT 499 Class QC-1 mix (4,000 psi @ 28 days) with limestone aggregate only, no slag.
3. Reinforcement shall consist of fibrous polypropylene fiber (30 lb./100 sf) or approved equal. Alternatively, 6" thick concrete shall be permitted to be reinforced with welded wire fabric 6x6 W2.1/W2.1 pursuant to ODOT 709.10.
4. Subbase material shall consist of 4-inch thick ODOT 304 limestone, no slag.
5. Tree roots shall be removed after the sidewalk block is removed and the roots are exposed. Roots are to be removed perpendicular to the walk, not parallel, using a root grinder to pose minimal damage to the root structure.

#### CROSS SLOPE

1. New sidewalks shall slope, to the street at a rate of ¼ inch/foot.
2. Replacement walks should match existing cross-slope of sidewalks to remain in place.

#### MATCH EXISTING WALKS

1. The width and location of the walk shall match the width and location of the existing walks in the area. However, the sidewalk width shall not be reduced less than 4-feet in width.
2. Sidewalk cross slope may be varied through gradual transition to match existing adjoining walks.

#### JOINTS AND FINISH

1. Expansion joint material shall conform to ODOT 705.03 and shall be installed at approximate 25-foot intervals.
2. Sidewalks shall have a uniform texture.
3. Joints shall be cut to form squared panels at approximately 5-foot intervals and may be saw cut or tooled. Sawed joints shall be cut as soon as possible without damaging the concrete.
4. Sidewalk joints should be delineated through driveways.
5. Curing materials shall be installed pursuant to ODOT 255 as soon as possible after finishing.
6. All concrete shall be protected from freezing.
7. Concrete shall not be placed upon a surface that is frozen or has frost.

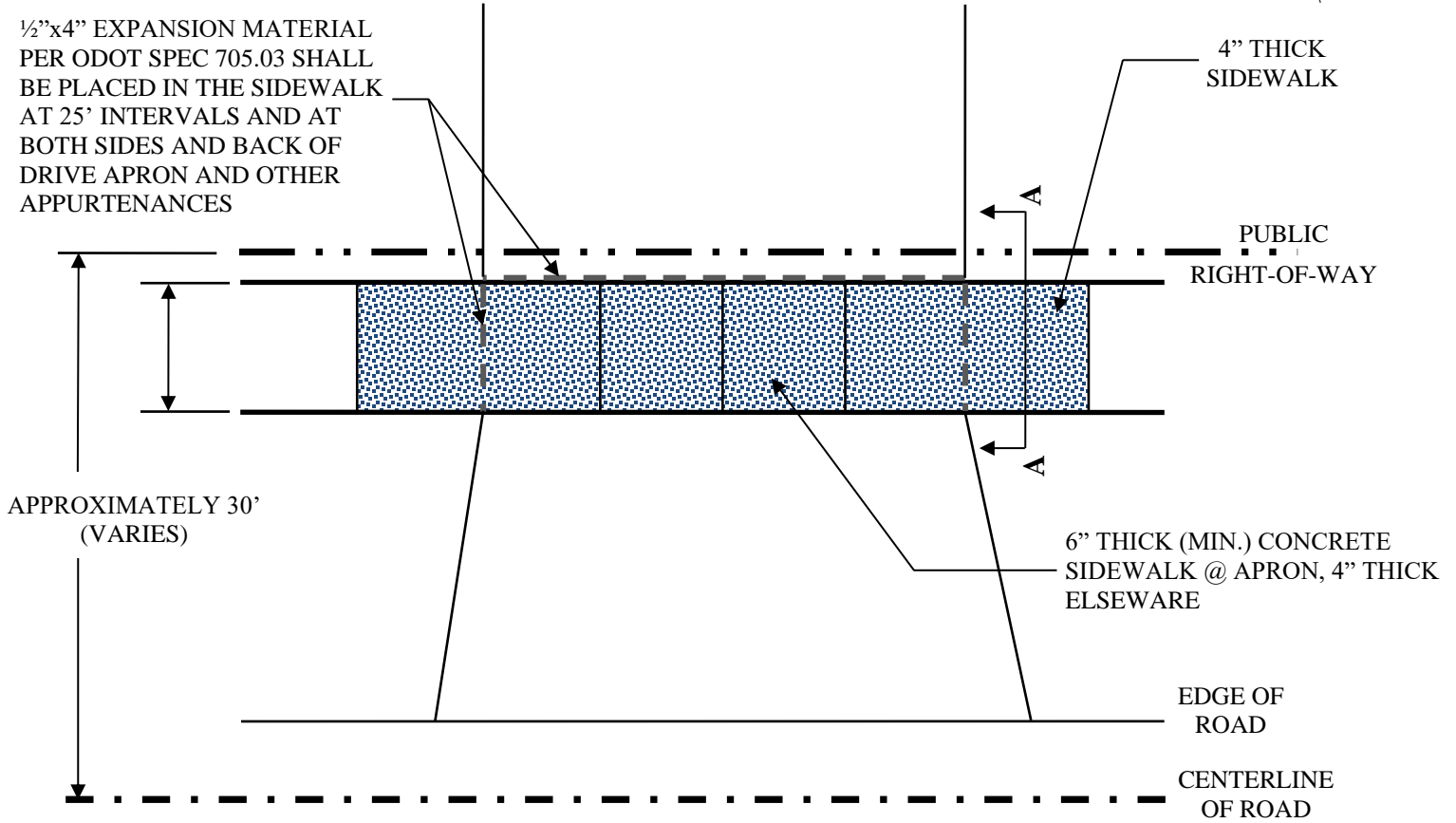


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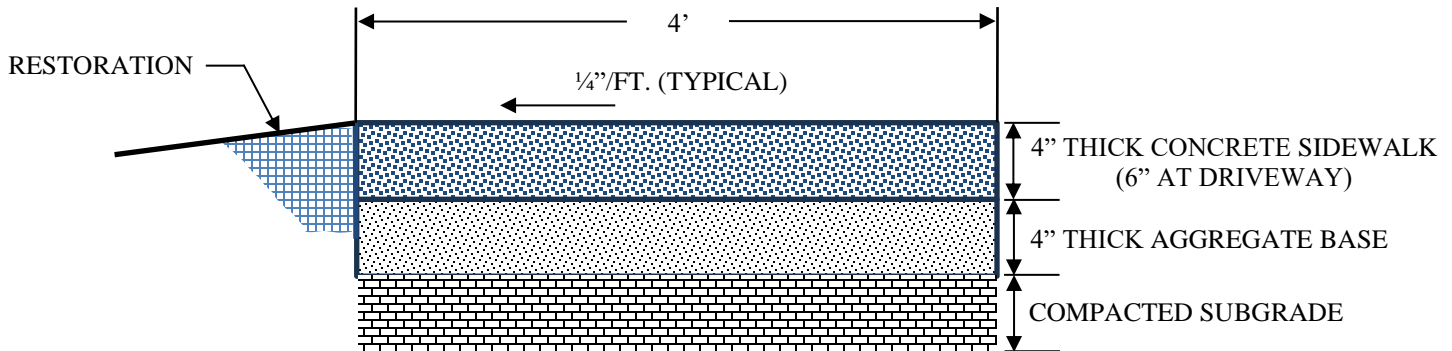
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**TYPICAL SIDEWALK PLAN VIEW**



**TYPICAL SIDEWALK SECTION A-A**

\* SEE SIDEWALK SPECIFICATION SHEET FOR MORE INFORMATION