



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

CONCRETE / ASPHALT REQUIREMENTS

ALL CONCRETE WORK, WHETHER ORIGINAL INSTALLATION OR REPAIR, OF ANY DRIVEWAY, APRON, CITY WALK, OR COMMERCIAL PROPERTY, SHALL MEET AND BE GOVERNED BY THE SPECIFICATIONS SET FORTH HEREIN.

CONCRETE:

- A. Residential aprons, including the portion of the public sidewalk crossed by such driveways shall have a thickness of six (6) inches reinforced with 6 x 6 – W1.4 x W1.4 wire mesh, or fiber mesh, and shall have an aggregate base of four (4) inches.
- B. Commercial driveways and that portion of sidewalk crossed by such driveways, shall have a thickness of eight (8) inches reinforced with 6 x 6 – W1.4 x W1.4 wire mesh, or fiber mesh, and shall have an aggregate base of six (6) inches.
- C. Sidewalks not crossed by driveways shall have a thickness of four (4) inches and an aggregate base of four (4) inches.

Excavation of sub grade shall be made to the depth necessary to permit the required thickness of aggregate base and thickness of concrete for the specified installation. The contractor shall remove all spongy material, roots, shale, loam and earth, and all material excavated shall be removed from the premises by the contractor. Any fill necessary to level shall be compacted in accordance with ODOT Item 203 Specifications.

Sub grade must be smooth and consist of compacted earth in accordance with ODOT Item 203 Specifications. Stone, gravel, or limestone aggregate conforming to ODOT Item 304 shall be used as a base course. Excavations or trenches under a drive must be compacted or filled with similar aggregate material in accordance with ODOT Specification 611. The use of cinders, potash, or similar material is prohibited.

Appropriate grading and fill shall be placed prior to setting forms for the concrete to properly support all new concrete work.

Adequate embankment shall be placed adjacent to new concrete and aggregate base materials to insure that no voids develop beneath new concrete work.

ASPHALT:

Asphalt driveways shall be composed of the following: 6" thick of aggregate base, ODOT Item 304, placed on compacted subgrade, Bituminous prime coat per ODOT 408, and a 2-1/2" thickness of asphalt concrete ODOT Item 401.