

Construction of Apron

CITY OF NORTH OLMSTED

1. The contractor or owner shall obtain a permit for apron construction from the City of North Olmsted, Building Department, 5200 Dover Center Road. The permit cost is \$30.00 and is non-refundable. **Fee for starting work without permit is \$60.00.**
2. All aprons must be inspected prior to pouring the concrete. The Building Department should be called, (440) 777-8000, at least twenty-four (24) hours before concrete is poured to arrange for inspection.
3. In general aprons shall be:

Aprons shall be six inches (6") thick for residential aprons & eight inches (8") thick for commercial aprons. Wire mesh 6" x 6", No. 10 shall be used in residential aprons & 6" x 6" No. 4 for commercial aprons. An isolation joint shall be used where apron meets curb, drive & sidewalk. An industrial type curb shall be used in commercial areas. 6" minimum #57 limestone shall be installed as sub-base.
4. Aprons shall be flared three feet (3') on each side.
5. Concrete shall be Class "C" except that it shall contain at least 6.0 sacks of cement per cubic yard and not more than 5.5 gallons of water per sack of cement.
6. Concrete shall have seven (7) percent + one (1) percent entrained air.
7. Concrete shall be cured and sealed with a liquid membrane sealer which is an epoxy chlorinated polymer, containing a fugitive dye, preferable red. Some common trade names of the specified liquid membrane-curing compound are:
 - Polyseal
 - Clearseal
 - Clear & Seal
 - Clear Bond
 - Euco Floor Coat
 - Chem Masters, Inc.
 - A.C. Horn Company
 - Sanaborn
 - Guardian Chemical Company
 - Euclid Chemical Company
8. The bottom of the excavation for the apron or top of the fill shall be known as the subgrade.
 - All soft or hard material and other portions of the subgrade, which will not compact readily when rolled or tamped, shall be removed as directed and replaced with suitable material placed and compacted as specified herein.
 - Foundry sand, ground cinders, "popcorn," or similar materials **shall not** be used for a subbase. The subgrade shall be finished in an acceptable condition for at least one day's progress in advance of the apron construction at all times.
9. Manhole, water box and gas box castings that are in the apron shall be adjusted flush to the finish grade of the apron, at the owner's expense.
10. Asphalt maybe used for aprons in the residential area only where there are ditches. The base is to be four inches (4") of aggregate stone topped with two inches of asphalt. If the base is good it need not be replaced.
11. Where existing ditches are now located, the culvert pipe shall be approved by North Olmsted Engineering Department inspector and installed at elevation set by the North Olmsted Engineering Department surveyor.

COLD WEATHER CONSTRUCTION

No concrete will be poured after November 15 or before April 15 without the written permission of the City Engineer. **WHEN PERMISSION IS GRANTED, THE FOLLOWING CONDITIONS MUST BE OBSERVED:**

1. Permissions to pour concrete must be obtained twenty-four (24) hours in advance of a pour.
2. No pour can be made when temperature is below 40 degrees Fahrenheit.

CHAPTER 903 Sidewalks

903.01	Permit required; fees.	903.03	Construction of sidewalks required.
903.02	Construction standards.	903.99	Penalty.

CROSS REFERENCES

Construction or repair at owner's expense - see Ohio R.C. 729.05

Cleaning at owner's expense - see Ohio R.C. 729.15

Sidewalk damage - see GEN. OFF. 521.04

Notice to construct, repair or clean sidewalks - see GEN. OFF. 521.06

903.01 PERMIT REQUIRED; FEES.

No person, except in cases of undedicated subdivisions or in streets where special assessments are to be made, shall install, construct or replace sidewalks in or on any public street or highway or other public property without first obtaining a permit to do so from the Service Director.

The Service Director shall demand and receive a fee of thirty dollars (\$30.00) for each 500 square feet or fraction thereof of sidewalk before the issuance of any such permit. This amount is necessary to defray the costs of administration and inspection to insure conformance of the work to City specifications. If construction is commenced prior to obtaining the permit, the fee shall be sixty dollars (\$60.00) for each 500 square feet, or fraction thereof of sidewalk.

No portion of the fee shall be refundable.

(Ord. 94-58. Passed 4-19-94.)

903.02 CONSTRUCTION STANDARDS.

The following standards regarding the construction or reconstruction of sidewalks within the City are hereby established:

- (a) On local residential streets, sidewalks shall be located in the public right of way so that the inner line is approximately one foot from the property line. On corner lots, each sidewalk shall be extended to the curb. In one-family and multi-family residential developments, industrial developments and business developments, walks shall be not less than five feet wide.
- (b) Sidewalks shall be constructed of concrete four inches thick, except that where they are crossed by driveways they shall not be less than six inches thick. Moreover, all sidewalks shall be in accordance with other City standards for construction.

- (c) Sidewalks shall be constructed for all new buildings or residences along the entire right-of-way line of the parcel. The Service Director may waive this requirement if less than one-fourth of the existing buildings or residences on the street have a sidewalk in front of their parcel of land.
- (d) All new curbs that are authorized to be constructed under the Subdivision Regulations, and all existing curbs which are part of any reconstruction, shall have a ramp with a nonslip surface built into the curb at each pedestrian crosswalk so that the sidewalk and street blend into a common level. Such ramps shall not be less than forty inches wide and shall, insofar as feasible, be constructed in accordance with the standard drawings and specifications for curb ramps of the Ohio Department of Transportation and the applicable provisions of the Ohio Basic Building Code, which drawings, specifications and provisions are hereby adopted and approved by Council and made a part hereof as though fully rewritten herein.
(Ord. 94-58. Passed 4-19-94.)

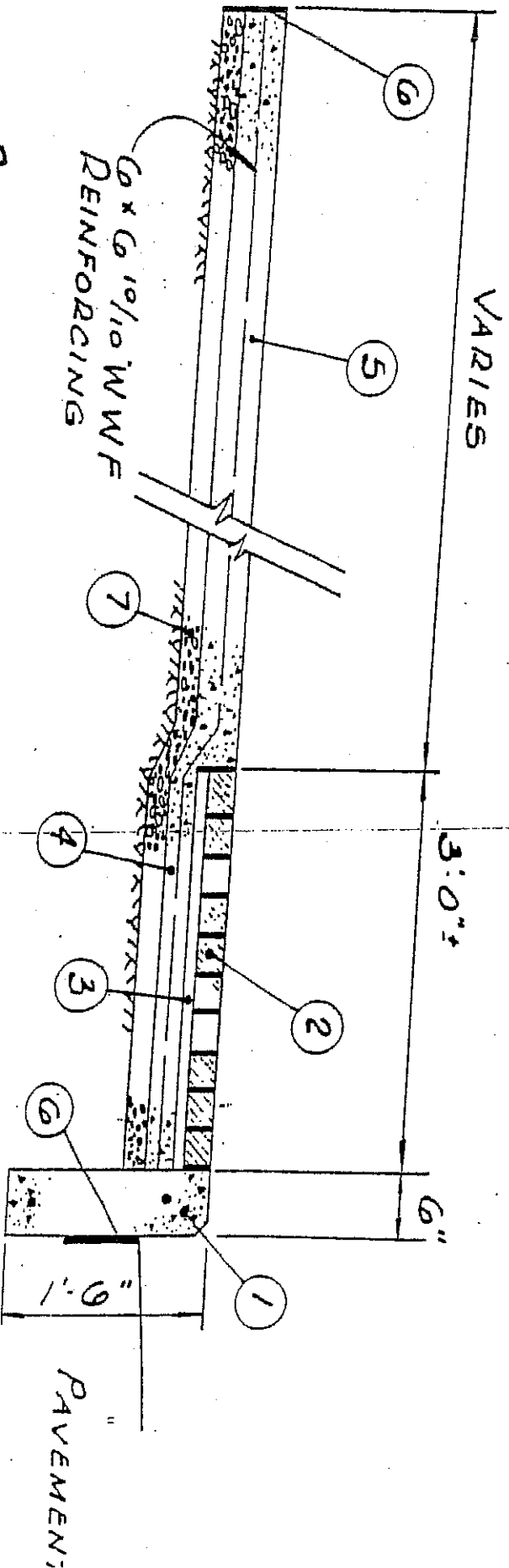
903.03 CONSTRUCTION OF SIDEWALKS REQUIRED.

Every owner of land who applies for and receives a building permit pursuant to the provisions of Chapter 1126 of the Zoning Code shall, prior to obtaining any occupancy permit to use said land, construct, or if applicable reconstruct, a sidewalk along the entire right-of-way line of said land in accordance with the standards and other provisions of this chapter.
(Ord. 99-75. Passed 8-17-99.)

903.99 PENALTY.

Whoever violates any provision of this chapter is guilty of a minor misdemeanor. Any such violation shall constitute a separate offense on each successive day continued.
(Ord. 94-58. Passed 4-19-94.)

- ① 6" x 18" CONCRETE CURB W/ 2-#5 REBARS
- ② 2 1/4" x 3 5/8" x 7 5/8" PAVING BRICK
- ③ 1" SAND LEVELING BED
- ④ 3" CONCRETE BASE
- ⑤ 4" CONCRETE WALK
- ⑥ 1/2" PERFORMED JOINT O.D.O.T. ITEM 705.03
W/ JOINT SEALER O.D.O.T. ITEM 705.01
- ⑦ 2" GRANULAR BEDDING



BRICK PAVING & CONCRETE WALK

Minimum Requirements for Sanitary & Storm Sewer Connections

CITY OF NORTH OLMSTED

1. Twenty-four (24) hours notice is required prior to all inspections. Request for inspection must be made to the Engineering Department (through the Building Department). Phone (440) 777-8000.
2. All sewer pipe shall be six inch (6") solid wall pipe, A.S.T.M. designation D-3034 or approved equal. The connection to the line shall be made with the proper adapters. No pipe inserted into a main will be accepted. When total pipe cover is 12 inches or less and the pipe will be subjected to vehicle loading, Schedule 40 is required.
3. All connections shall have solvent welded joints installed at a minimum grade of 1.00%.
4. All sewers shall have six inches (6") of bedding and six inches (6") of cover over the top of the pipe consisting of course interlocking aggregate, no. 57, 6, 67, 68, 7, 78 or 8.
5. Backfill in the right-of-way beneath areas which will be paved and within three feet (3') of any building shall be to a point within one foot (1') of the surface and shall be premium backfill.
6. All sanitary connections shall be plugged by means of a rubber stopper or plastic stopper. No sanitary connection shall be left open overnight.
7. The contractor shall not block any drainage ditches or swales or overland flow of water.
8. Any existing storm drains, roof drains, foundation drains, or field tile intercepted or found to be incorrectly connected to the sanitary sewer shall be correctly placed into the storm sewer.
9. No pipe shall be permitted to rest on the bell in the trench. All pipe shall rest a full length of the barrel. No rocks, boulders or deleterious material shall be used in the fill.
10. Draining of the excavation trench into the sanitary line is prohibited. Violators will be
11. The top of the inspection tee shall be plugged with a rubber or plastic stopper if it is located in a lawn area. If it is in the sidewalk or driveway area, a metal or screw top stopper must be provided and brought to grade.
12. Provisions must be made to keep existing facilities in operation as much as possible during the work. All facilities must be reconnected at the end of each workday.
13. All installations from the building to the inspection tee or sewer main shall be inspected by the Engineering Department.
14. No backfilling is to be made until the inspector has approved the pipe, pipe joints, bedding and tie-ins. Any portion of the work backfilled prior to inspection shall be excavated so a visual inspection can be made.
15. Any pipes showing signs of cracks, checking or sloppy workmanship in the construction shall be rejected. No broken or patched pipe is permitted. If any leak is suspected or detected, this leak must be corrected before approval is given.
16. All areas disturbed in the right-of-way must be restored in kind to their original condition, or better.
17. Where a sanitary sewer passes under a storm drainage ditch and the cover over the pipe is one foot (1') or less, the sanitary sewer shall be encased in concrete a minimum of one foot (1') beyond the outside edge at the ditch.