

# BOROUGH OF RED LION

## Curb and Sidewalk Specification Summary\*

\*"Red Lion Borough Construction and Material Specifications for Land Development", dated December, 2011 contains the actual specifications. This summary is provided for convenience only.

### Prior to Construction

1. Complete PA One Call, 1-800-242-1776.
2. Contact Brett Patterson, Public Works Supervisor 717-324-0795.
  - a. Schedule inspections.

### Construction

1. Excavation
  - a. Saw cut existing pavement, sidewalk and curb adjacent to the proposed improvements.
  - b. Excavate to required depth and properly dispose of all material.
  - c. Compact existing subgrade. If soft subgrade is encountered, over excavation and placement of suitable material is required. **Inspection of subgrade required.**
2. Concrete- Use Portland concrete shall be **air-entrained** and have a minimum 28-day compressive strength of **3,300 PSI** concrete for curb and sidewalk construction, unless specified higher.
3. Curb
  - a. Construct **Vertical Curb Only** unless approved by Borough Engineer.
  - b. Provide 6" curb reveal, unless approved otherwise.
  - c. **Inspection of formwork required prior to pouring concrete.**
  - d. Construct as shown on attached Details 2525-1 and 2525-2 including but not limited to dimensions, reinforcement, materials and radii.
  - e. Contraction joints ( $\frac{3}{16}$ " wide x 2" deep) to be done every 10 feet. **Inspection of stone base and/or reinforcement is required prior to pouring concrete.**
  - f. Place  $\frac{1}{2}$ " expansion joint at 60 feet, end of each pour, beginning/end of all radii, between adjacent sidewalk, and other permanent structures. A  $\frac{3}{4}$ " expansion joint is required at all storm inlets.
  - g. Construction along State Routes requires PennDOT approval.
4. Sidewalk
  - a. Use standard 4" thickness except;
    - i. 6" thickness at driveways and handicap ramps.
    - ii. 8" thickness over sanitary and storm sewer easements.
  - b. Construct as shown on attached Details 2525-1 and 2525-3 including but not limited to dimensions, stone base, reinforcement, materials, radii, cross slopes ( $\frac{1}{4}$ " per foot max), grass strips (needs approved by committee). **Inspection of stone base and/or reinforcement required prior to pouring concrete.**
  - c. Score contraction joints at 5 foot intervals; **do not saw cut.**
  - d. Place  $\frac{1}{4}$ " expansion joint at 30 foot intervals and a  $\frac{1}{2}$ " joint at all permanent structures.
  - e. Provide light broom finish.
  - f. Utility boxes shall be adjusted to match grade of new sidewalk. The work shall be coordinated with the affected utility owners.
5. Stamped/Colored Concrete
  - a. Template pattern- "old brick running board" by Matcrete; contact Brett Patterson.
  - b. Pigment- Brick red #10160 by David Colors, Beltsville, MD or equal.
  - c. Clear sealer- Sonneborn #800 by Sonneborn or equal.
  - d. Template release agent- dry blend powder.
6. Handicap Ramps
  - a. American with Disabilities Act requires Handicap Ramps to be constructed at every street corner.
7. Restoration
  - a. All adjacent areas shall be restored in kind.