

SECTION 16

EFFECTIVE DATE

This Ordinance is hereby declared to be a measure necessary in the interest, and for the promotion of safety, convenience, peace, comfort, order, and public welfare.

This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

Approved this _____ day of _____, ____.

Chairman
City Planning Commission

ATTEST:

Secretary
City Planning Commission

Read three (3) times and adopted this _____ day of _____, ____.

Mayor
City of Arcadia

ATTEST:

City Clerk

DESIGN CHARACTERISTICS OF STREET PAVEMENT

CONCRETE SURFACE

| Type of Street | Minimum Uniform Thickness |
|----------------|---------------------------|
| Arterial | 7.25" to 8.25" |
| Collector | 6.50" |
| Local | 6.00" |
| Marginal | 6.00" |
| Alley | 6.00" |

All intersections shall be of uniform thickness 1" greater than the maximum thickness of the two intersecting streets.

Concrete flexural strength shall be a minimum of 550 psi (Modulus of Rupture), water-cement ratio not exceeding 6.0 gals./sack, 6 sacks of cement per cubic yard of concrete, 4% to 6% entrained air with maximum aggregate size of 1-1/2 inches; or as required to meet Missouri State Highway Commission Standards.

FLEXIBLE SURFACE

| Type of Street | Surface | | Base | | Subbase |
|----------------|---------|-----------------------|-----------------|---------------------|---------|
| | Asphalt | Gravel/Crushed Stone* | Asphalt Treated | Water Bound Macadam | |
| Arterial | 4" | Grade B or G | 4" | 6" | 7" |
| Collector | 3" | " | 3-1/2" | 5" | 5" |
| Local | 2" | " | 3" | 5" | 3" |
| Marginal | 2" | " | 3" | 5" | 3" |
| Alley | 2" | " | 3" | 5" | 3" |

*Gradations:

Grade B - Crushed Stone

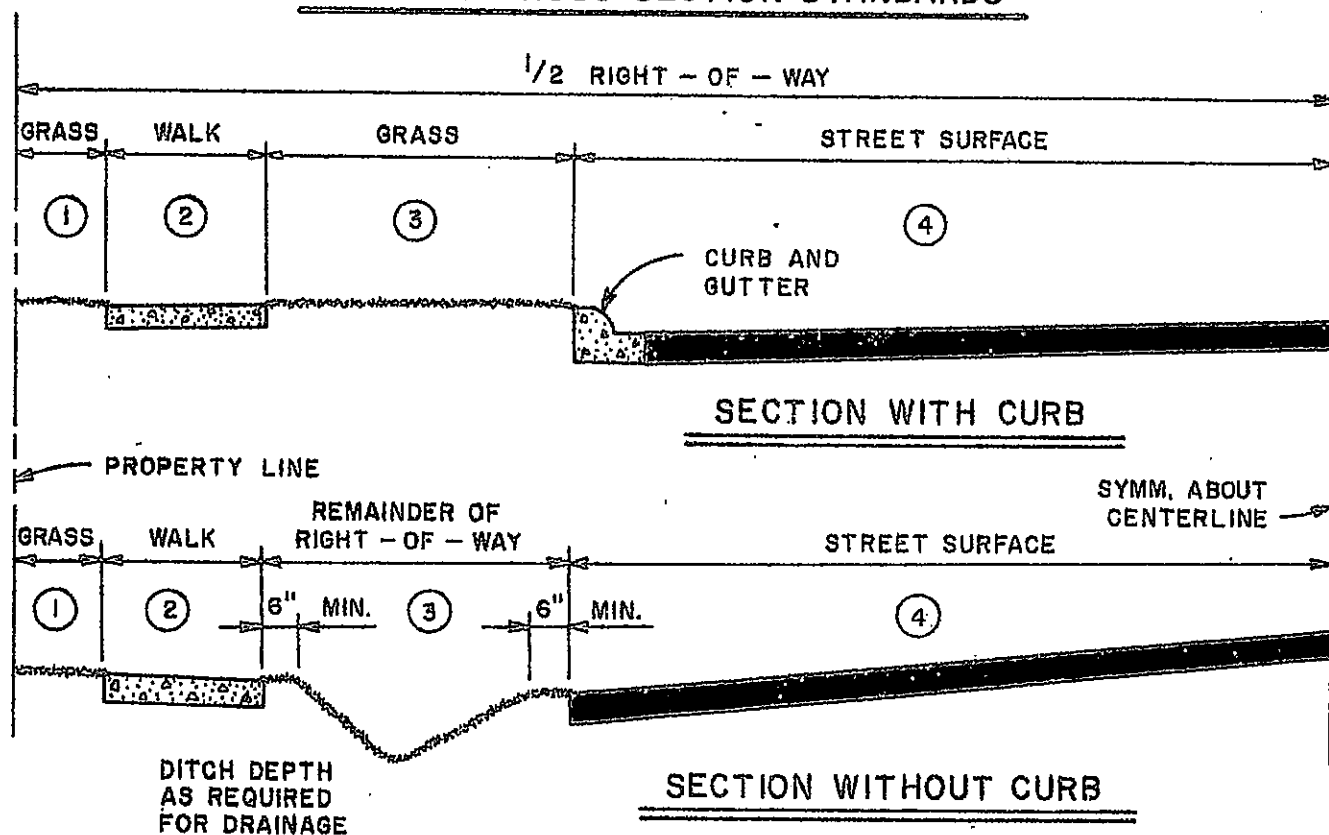
| | | |
|---------|-------|------------------|
| | 100% | through 1" sieve |
| maximum | 65% | " 3/8" sieve |
| | 5-25% | " #10 sieve |

Grade G - Crushed Stone or Gravel

| | | |
|---------|-------|--------------------|
| | 100% | through 3/4" sieve |
| maximum | 75% | " 3/8" sieve |
| | 0-15% | " #10 sieve |

Subbase material to be coarse aggregate containing 10-20% fines, maximum aggregate size 2/3 of sub-base depth, or good subbase soil, if approved by the County Engineer; or as required to meet Missouri State Highway Commission Standards.

All intersections shall be of the maximum thickness of the two intersecting streets as shown in the table, plus 1" of additional base material if waterbound macadam is used or 1/2" of additional base if asphalt treated base is used.

STREET CROSS-SECTION STANDARDS

| Street Type | Minimum Right-of-Way | 1 | 2 | 3 | 4* | Parking Data |
|-----------------|----------------------|----|----|-----|-----|----------------|
| Arterial | 80' | 2' | 4' | 10' | 48' | None (2 lanes) |
| | | 2' | 4' | 14' | 40' | Both Sides |
| | | 2' | 4' | 19' | 32' | One Side |
| | | 2' | 4' | 22' | 24' | None (1 lane) |
| Marginal Access | 40' | 2' | 0' | 6' | 24' | None |
| Collector | 60' | 2' | 4' | 4' | 40' | Both Sides |
| | | 2' | 4' | 8' | 32' | One Side |
| Local | 50' | 2' | 4' | 3' | 32' | ** |
| Alley | 20' | 0' | 0' | 2' | 16' | None |

* Indicates full width of street surface.

** Parking will be permitted on both sides of local streets but full 12' lanes and 8' parking strips are not required due to low traffic volume.

STREET NAME GUIDE

