

PRAIRIE



LIATRIS



LITTLE BLUESTEM



DAFFODIL



LIATRIS



QUAKING ASPEN



HERITAGE ROSES



OAK



PRAIRIE



ELM



MAPLE

5TH STREET COLLECTOR DESIGN GUIDELINES

5th Street seeks to become the backbone of future development along the I94 corridor, essentially becoming the primary access in and out of the future neighborhoods. The quality of the street and its connections are critically important. The purpose of the proposed street standards are to 1) improve the function and appearance of the street, 2) encourage pedestrian and bicycle use, and 3) reduce the potential for speeding.

2030 PROJECTED ADT = 5,000 [Transportation Plan]. 4-lane road not required in foreseeable future.
STATE AID URBAN DESIGN [8820.9936] – Collector with ADT > 10,000; 40 mph design speed.

TYPICAL SECTION

- Minimum R/W = 100 feet. **PLUS** 10-ft utility easements /clear zones on each side of the street.
- Two-lane Parkway design with 16 foot center landscaped median.
- Trough Lanes = 18 feet wide from face-face, with 4-foot curb reaction zones.
- With Median, curb reaction zone = 1 foot on either side.
- Minimum median width with turn lanes = 4 feet hardscaped.
- Pavement Section = minimum 10 ton design.
- For posted speeds 40 – 45 mph, 1.5 foot minimum clearance from face of curb to fixed objects.
- No on street parking. If parking is incorporated, minimum parking lane width = 10 feet.
- No super elevation. Maintain 2.0% cross slopes on curves.
- Minimum horizontal curvature is 667 feet.

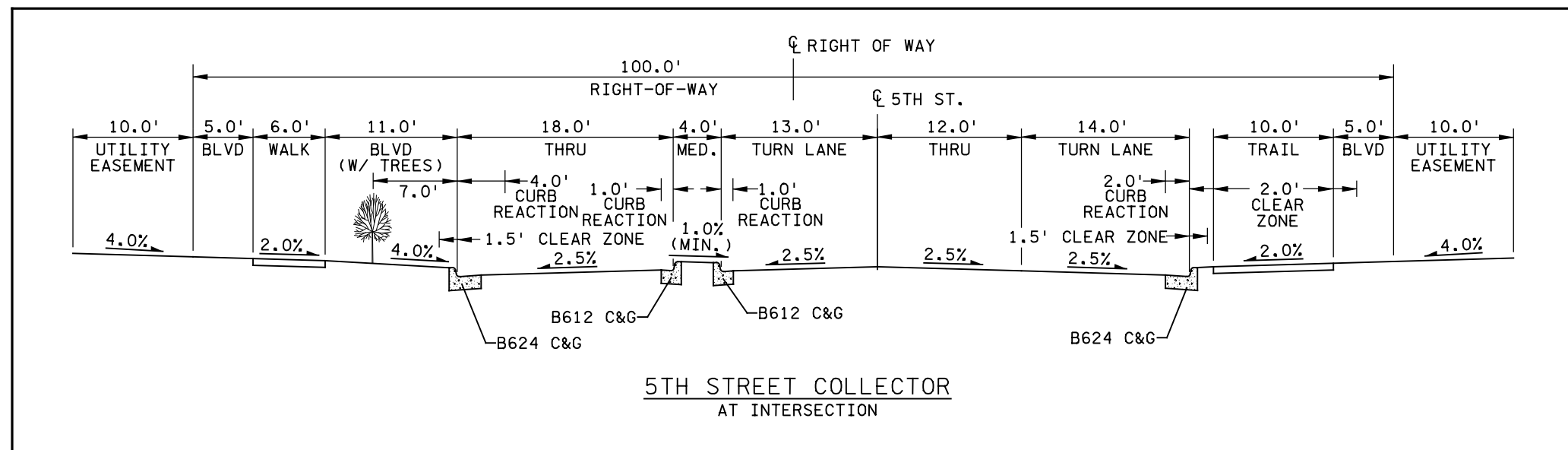
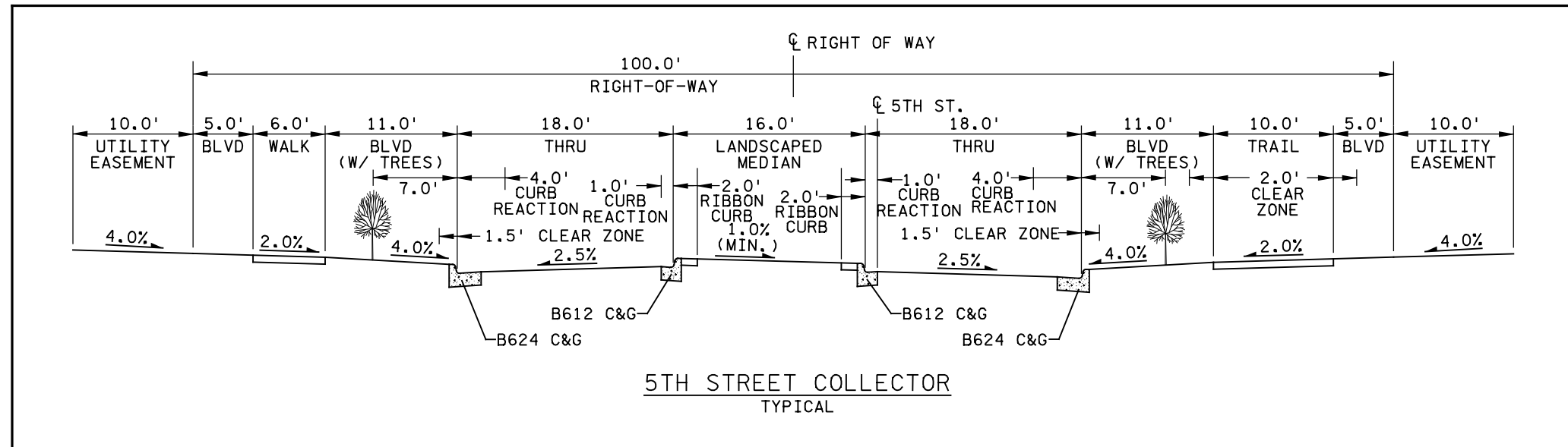
ACCESS SPACING AND INTERSECTION REQUIREMENTS

- Residential driveways prohibited.
- Commercial driveways, non-continuous streets, and continuous local streets every 660 feet.
- Collector streets every 1,320 feet. Arterial streets every 2,640 feet.
- Left turn lanes required at all full access intersections.
- Right turn lanes required for all non-residential areas and residential areas with 25 units or greater.

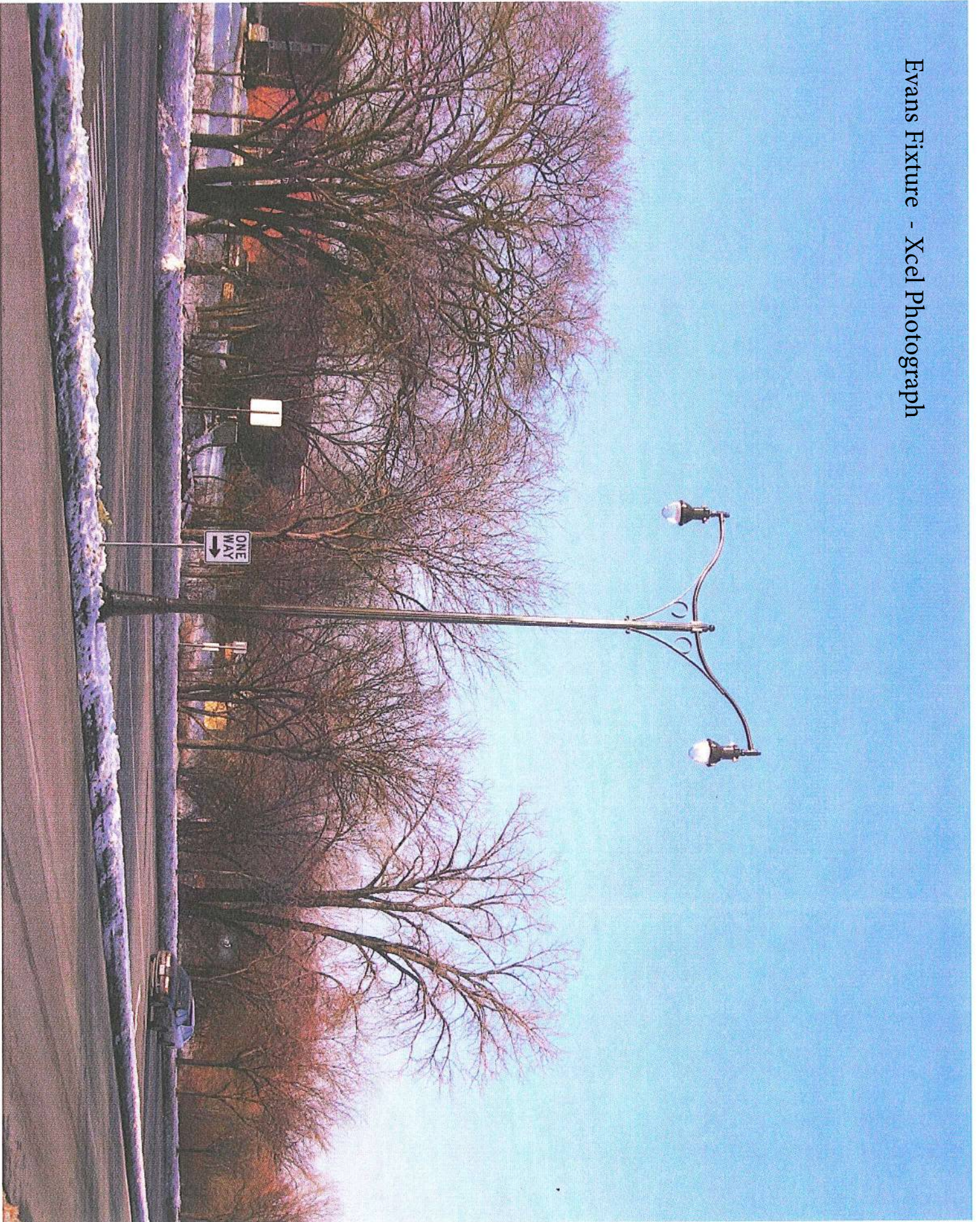
AMENITIES

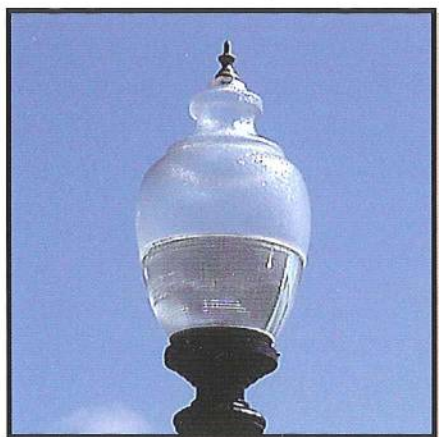
- North side Bituminous Trail = 10 foot minimum with 5 foot clear zone.
- South side Concrete Sidewalk = 6 foot minimum with 2 foot clear zone.
- Landscaping elements:
 - Center landscape median [combination perennial/shrub beds + sod + median trees]. Center median lined with 2 ft. wide concrete ribbon curb.
 - Boulevards at 7-ft from face of curb [boulevard trees, deciduous trees = 2.5" cal in. minimum + ornamental trees = 1.5" cal in. minimum. Tree spacing = 75 feet on both sides.
 - Special concrete in median [pavers or color concrete at end caps of median]. Bollards at key pedestrian crossings to provide a pedestrian refuge.
 - Landscape Berms, 3 to 5 feet in height, between residential property and street R/W.
 - Site Irrigation.
- Theming Elements:
 - Street Lights -25 ft. poles @ 250 ft. spacing [Xcel Energy - 'Evans' Lamp].
 - Ornamental Street Lights – 15 ft. poles @ intersections [Xcel Energy - 'Acorn' Lamp].
 - Banner Poles at primary gateway intersections.
 - White post & rail fencing along important arterial streets.
 - Protective bollards at key pedestrian crossings.

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Evans Fixture - Xcel Photograph





Acorn

High Performance Beauty

The Acorn Series combines superior photometrics with exceptional design and sets a new standard for decorative post top luminaires.

