

Article 4-3 GRAPHIC STANDARDS

Commented [RR1]: Article 4-3; ABCWUA CHANGES

Unless specified otherwise, the graphic standards shall be as recommended in the City AutoCAD Standards. The line widths and color requirements for specific features shall be followed as outlined in the City AutoCAD Standards.

See [Part 4-3\(K\) Legend](#) for the City Legend. This drawing also includes line width, color standards, and text styles.

~~The recommended plot style, in .ctb format, can be accessed at the following hyperlink: [ABCWUA Plot Style](#).~~

Part 4-3(A) Plan Scales

The scales for the various plan sheets can be found in [TABLE 4.3.5 TYPICAL PLAN SCALES 1](#) and shall be followed unless otherwise approved by the City project manager or City Engineer.

On a project by project basis, any combination of the following scales may be used with prior approval by the City project manager or City Engineer:

Horizontal	Vertical
1"=100'	1"=10'
1"=50'	1"=5'
1"=40'	1"=4'
1"=30'	1"=3'
1"=20'	1"=2'
1"=10'	1"=1'

See [Part 4-3\(I\) Bar Scales](#) and [Part 4-3\(L\) North Arrow](#) for hyperlinks to AutoCAD files.

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Part 4-3(B) Line Weights

Line weights must conform to the requirements shown in the City standard Legend in [Part 4-3\(K\) Legend](#). Plans containing line work that does not reproduce satisfactorily will not be accepted by the DRC.

Line weights and screening are based on color. The actual display color associated with a specific AutoCAD element color is defined by the color table. Refer to [City Standard Specifications](#) for recommended plot style. If the user is unable to distinguish between the assigned colors, the screen color table can be modified; however, the line widths used shall be as recommended in these [AutoCAD Standards](#).

¹ Horizontal and vertical scale combinations shall not result in an exaggeration greater than 10:1. *Scales of 1"=100' can be used for overall layouts only.

3. Three (3) vehicle lanes may be provided as needed within 150 feet of intersections with collector or arterial streets, with 2 lanes for vehicles exiting and 1 lane for vehicles entering the Major Local street.
4. Right-of-way width requirements for extensions of existing roadways may be adjusted by the City Engineer if necessary to match existing right-of-way on the same street or to conform to drainage and/or landscaping requirements.
5. Bicycles may share the roadway on local streets. For additional information about bicycle lanes and bicycle routes, see [Part 7-4\(F\) Bikeways and Trails](#).
6. On-street parking is generally permitted on local streets, though on-street parking areas do not have to be designated (i.e. pavement markings, and signage), and additional right-of-way and pavement width are not required.
7. Bicycle lanes and designated on-street parking are discouraged on Access Local and Normal Local streets.
8. Additional road elements that may be added to the cross section for Major Local streets, depending on the context and location, include additional turning lanes, medians, bicycle lanes, designated on-street parking, and additional planting areas to accommodate large trees.
9. Intersections involving two local streets are generally served by stop or yield-sign controls or neighborhood traffic circles.
10. The following sections provide additional guidance on street element design:
 - a. [Part 7-4\(E\) Pedestrian Facilities](#) for guidance related to pedestrian facilities.
 - b. [Part 7-4\(F\) Bikeways and Trails](#) for bicycle facilities.
 - c. [Part 7-4\(H\) On-street Parking](#) for on-street parking.
 - d. [Section 7-4\(I\)\(6\)](#) for intersection design.
 - e. [Section 7-4\(I\)\(7\)](#) for medians and turn lane design.

TABLE 7.4.73 Local Street Design Standards

Corridor Type	Location	Design Speed (MPH)	Required Elements					Optional Elements	
			ROW Width (ft.)	Frontage Zone (ft.)	Sidewalk Width (ft.)	Landscape/ Buffer Zone (ft.)	Roadway Width (ft.) <small>(From curb face to curb face)</small>	Min. On-street Parking (ft.)	Min. Median (ft.)
Access Local	Citywide	15-25	44 - 46	0	5	4	26 - 28	N/A	N/A
Normal Local	Single-family Residential Areas*	18-25	48 - 52	0	5	5	28 - 32	N/A	N/A
	All Other Areas	18-25	48 - 61	1-2.5	5	5	26 - 36	N/A	N/A
Major Local	Single-family Residential Areas*	18-25	48 - 58	0	5	5	28 - 38	8	4 - 14
	All Other Areas	18-30	50 - 73	1-2.5	5	5-6	28 - 46	8	4 - 14

Commented [RR10]: ABCWUA changes.

*When three utilities (storm sewer, sanitary sewer, and water lines) are proposed for new right-of-way, there shall be a minimum of 52 feet width and a minimum Roadway Width of 32 feet (from face of curb to face of curb).