

RWD NO. 4, DOUGLAS COUNTY, KANSAS

9E WATER MAIN EXTENSION DRAWING STANDARDS

1. DRAWING PREPARATIONS

- a. Preparation of water main extensions shall conform to the following requirements and guidelines.
 - 1) Drawings shall not exceed 24 inches by 36 inches in overall size. Standard District drawing sizes will be used. This will include standard sheet with title block. Drawings shall be computer generated.
 - 2) Drafting media shall be ink on bond paper or equivalent plotter-generated original drawings. Line work shall be dense enough to make quality prints.
 - 3) Computer drawings will be changed to reflect construction records and hard copy construction record drawings shall be provided to the District. The District will store the construction record drawings with accessibility for future use.
 - 4) The engineer shall provide the District with computer drawing files of the project in an acceptable file format.
 - 5) Sheet title block shall indicate:
 - a) Name of development, subdivision or other description approved by District
 - b) Douglas County RWD No. 4
 - c) Name of Applicant
 - d) Name of engineer or engineering firm preparing drawings
 - e) Kansas Engineering Registration Seal. This may be applied adjacent to the title block.
 - 6) Drawings of pipeline plan shall have a maximum scale of 1"=100'. Detail plans of pipe alignment around structures or other obstructions may have a scale of 1"=20' or less.
 - 7) Details of pipeline connections and other fitting and valve locations shall have sufficient size and dimensions to convey meaning, but need not be to scale. Plan drawings and details shall have sufficient titles and north arrows to identify locations.
 - 8) Pipeline drawings may be drawn in part or entirely on standard plan and profile sheets. This may be needed to illustrate grading, separation from sanitary sewer

and storm drain facilities, stream crossings, parallel or intersecting roadway profiles and other pertinent vertical location data.

- 9) Water main extension easements must be shown on the pipeline drawings. Known and recorded existing utilities and easements should be shown where conflicts may arise or affect the construction. Rights-of-way of adjacent streets and roadways will also be shown.
- 10) When development grading plans have not been prepared by Applicant, proposed grading within 30 feet of the pipe alignment will be furnished for use on the design drawings. This can be done by profiles, contours (existing and proposed) or spot elevations (existing and proposed).
- 11) Where extension traverses property outside of Applicant's property, sufficient grade or contour information shall be provided to illustrate differences between pipe alignment profile and adjacent roadway and ditch elevations. This information shall be used in preparation of the water main extension drawings.
- 12) All drawings, including "Conformed to Construction Records" information, will be provided to the District in computer digital form using an acceptable format.

Approved: January 13, 2004

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