

RESOLUTION NO. 364

ESTABLISHING PIPE SIZE FOR TRANSMISSION AND WATER DISTRIBUTION MAINS

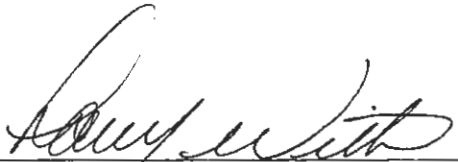
WHEREAS, the East Wenatchee Water District has miles of transmission water mains that are two and four inch in diameter and are incapable of providing adequate fire flow and,

WHEREAS, the Washington State Survey and Rating Bureau as well as the Department of Social and Health Services have specific guidelines which require a minimum of 500 gallons per minute (G.P.M.) be required to flow water through a fire hydrant and,

WHEREAS, the Board of Commissioners deem it to be in the best interest of the District to upgrade its facilities as time and money permits in order to meet the pipe sizing requirements as outlined in W.A.C. 248-54 and more specifically a letter directed to the District, dated March 24th, 1988, by the Regional Engineer of the Department of Social and Health Services.

NOW THEREFORE BE IT HEREBY RESOLVED, that the Board of Commissioners of the EAST WENATCHEE WATER DISTRICT will require that the minimum diameter of all distribution mains shall be six inches unless justified by hydraulic analysis. The justification for small pipe is generally limited to rural systems where no fire flows are ever expected, and be it further resolved that in areas where water mains larger than six inch are necessary to meet peak demand use, the District will have its' engineering firm provide a hydraulic analysis, outlining a detailed report of a suggested pipe size.

ADOPTED, this ^{1988,} 11th day of April, by the Board of Commissioners of the East Wenatchee Water District, Douglas County, Washington at a regular meeting thereof.



Larry D. Witte, President

ATTEST:



Matthew S. Warner, Secretary

Matthew S. Warner, Secretary

See attached letter

/sr

JULE M. SUGARMAN
Secretary



STATE OF WASHINGTON

DEPARTMENT OF SOCIAL AND HEALTH SERVICES

West 924 Sinto Avenue, L32-4 • Spokane, Washington 99201-2595 • (509) 456-3115

March 24, 1988

East Wenatchee Water District
P O Box 7190
East Wenatchee WA 98801
ATTN: Charlie Johnston

Dear Mr. Johnson:

To confirm our discussion from several days ago, the State Water Supply Regulations WAC 248-54 (require that the minimum diameter of all distribution mains shall be six inches unless justified by hydraulic analysis. The justification for smaller pipe is generally limited to rural systems where no fire flows are ever expected.)

We would not consider East Wenatchee Water District as meeting the criteria for small diameter mains, knowing the history of some of the low pressures and limited fire flow capabilities that have been experienced over the years. Also, the comprehensive water plan approved in 1981 recognized the problems resulting from small diameter pipe and made recommendations for eliminating some of the existing problems. We would see it as a conflict to consider creating new problems similar to the ones we are striving to correct through replacement of the small diameter mains with larger ones.

Please give us a call if we can be of further assistance.

Sincerely,

Tom Justus, P.E.
Regional Engineer
(509) 456-2453

TJ:vw

cc: Chelan-Douglas County Health District
Douglas County Planning