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I N T E R O F F I C E M E M O R A N D U M

Printed by: Mike Lindébak
Date: 15-Jan-1993 03:39pm CST
From: Steve Lackey
LACKEY_S
Dept: Public Works
Tel No: 268-4422

TO: Mike Lindebak

(LINDEBAK_M)

Subject: Town West

Mike, before we meet with Law Co. again, I need to have a map that shows the system in Maple and the drainage basin that feeds it. I'd also like to have some idea as to what size system is necessary today to meet our current day standards.

In addition, Law was pretty fuzzy on what the curb height on Maple is versus what the floor elevation of Sears is (remember a bench mark bust). I'd like that information too.

Tell me why Towne West is hooked to the Maple system anyway....it was part of the original plan or was this something that happened during the site construction.

Pls have Chris or Vicky get
the info Lackey is asking for.

My

THE CITY OF WICHITA
OFFICE OF PUBLIC WORKS - ENGINEERING

DATE: March 25, 1993

TO: Gene Rath, Assistant City Engineer

FROM: Behrooz Rahbar, P.E., L.S., Civil Engineer I

BR

SUBJECT: Runoff At The Pump Station By
Maple and Big Ditch

The peak runoff rate from the basin of SWS #70, at the pump station by Maple & Big Ditch, are as follows:

$$Q_2 = 186,911\text{GPM} = 416\text{CFS}$$

$$Q_5 = 255,811\text{GPM} = 570\text{CFS}$$

$$Q_{10} = 346,495\text{GPM} = 772\text{CFS}$$

$$Q_{100} = 622,424\text{GPM} = 1,387\text{CFS}$$

The pump station capacity is 34,000 to 64,000GPM (75CFS to 14CFS). The maximum capacity of the 6' x 3' culvert at the outfall is 45,844GPM or 102CFS.

BR:bjm

cc: Larry Henry