

MEMO:

ATTACHED IS LETTER FROM MILNAR W. CARLEY & ASSOCIATES°, DATED JULY 2, 1965, IN BEHALF OF THE VILLAGE OF BLAINE°, MAKING APPLICATION TO DISCHARGE STORM RUNOFF FROM LADDIE LAKE INTO COUNTY DITCH # 17.

IT APPEARS THAT THE COUNTY IS BEING BROUGHT INTO THE MATTER A LITTLE LATE. THE JOB HAS APPARENTLY BEEN BID TWICE AND HAS BEEN LET WITH THE LADDIE LAKE OVERFLOW AS AN ALTERNATE.

HOWEVER, WE FEEL THAT ANY ASSISTANCE THE COUNTY CAN GIVE IN ALLOWING THE WORK TO BE DONE ON THEIR STORM SEWER PROJECT WILL BE FULLY APPRECIATED. WE UNDERSTAND THAT APPROVAL BY THE MINNESOTA HIGHWAY DEPARTMENT AND BY THE CONSERVATION DEPARTMENT IS UNDER WAY.

WE WALKED THE INTERSECTION OF T.H. 10 AND T.H. 47 with BOB LUND THIS MORNING: (1) GOOD FLOW IN COUNTY DITCH 17.  
(2) WATER IN T.H. 10 DITCH APPARENTLY AT SAME LEVEL AS LADDIE LAKE BY SEEPAGE.  
(3) PIPE CARRYING C.D. 17 UNDER T.H. 10 IS 30" SCP. IMMEDIATELY DOWNSTREAM TWO PIPES UNDER UNIVERSITY AND T.H. 47 are 42" SCP. FLOW OF THE DITCH UNDER T.H. 10 SHOULD BE INCREASED BY JACKING IN ANOTHER 30" PIPE TO AVOID PONDING OF OVERFLOW IN ROAD DITCH. WE UNDERSTAND THAT A CHANGE ORDER TO THIS EFFECT HAS BEEN PREPARED.

WE WILL WALK THE DITCH FROM THE ABOVE INTERSECTION TO ITS OUTLET LATER THIS WEEK.

WE HAVE PREPARED A SMALL MAP SHOWING THE ORIGINAL DITCH AND THE AREA ASSESSED IN THE 1905 CLEANOUT OF C.D. 17.

AUGUST 5, 1965  
R.S.

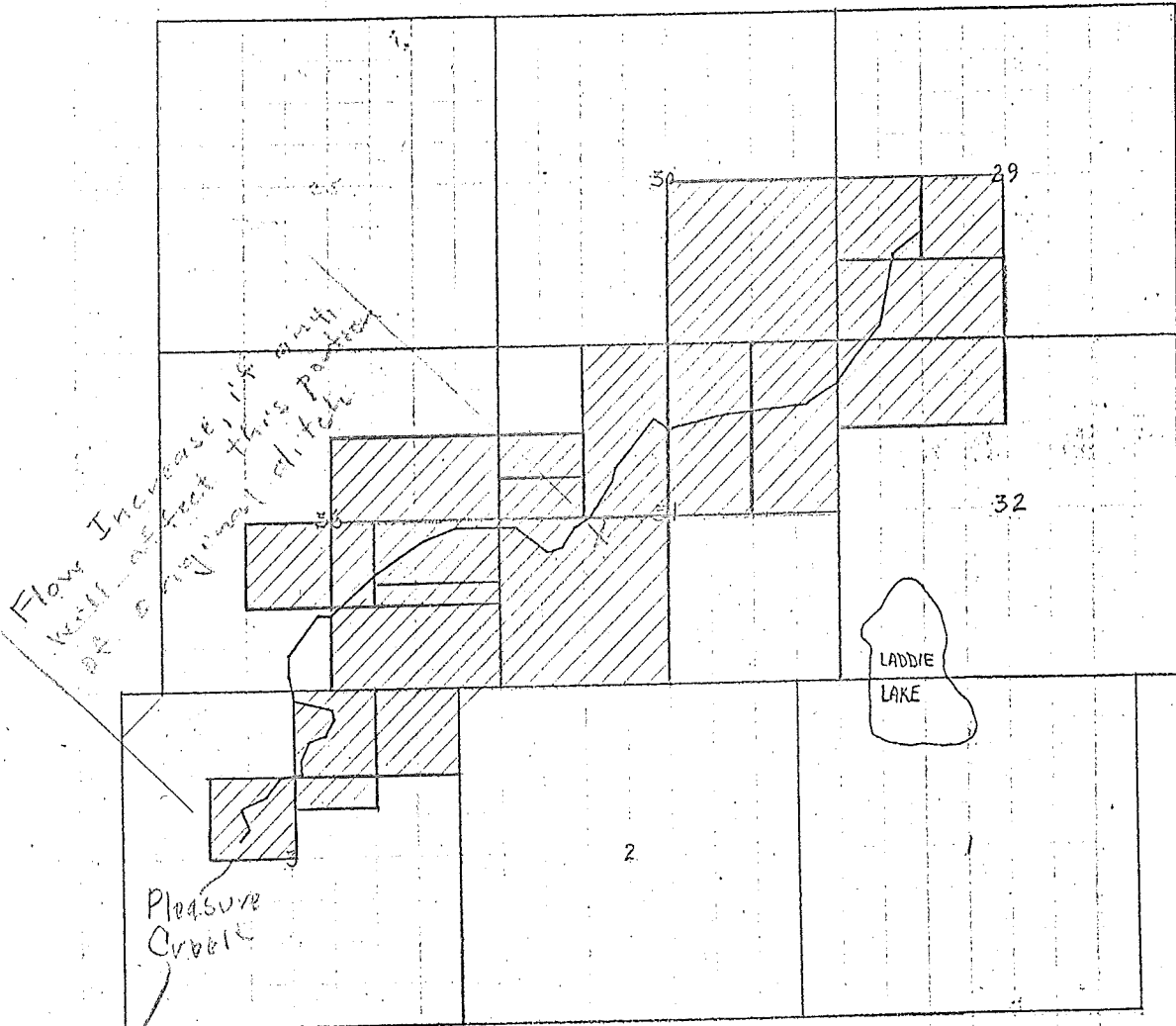
*Location Map Added*

Blaine Assessor

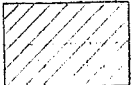
C.D. # 17

C.D. # 17

DITCH CLEAN OUT



Review - Benefits of 1905 ditch clean out assessed to areas

shown: 

Study in connection with application of Milner W. Carley & Associates acting for the Village of Blaine. Re: Laddie Lake Overflow and Storm Sewer, Blaine, Minn.

# MILNER W. CARLEY & ASSOCIATES

CONSULTING ENGINEERS ■ LAND SURVEYORS

500 WEST HIGHWAY 96  
SAINT PAUL 12, MINNESOTA  
484-3301

July 2, 1965

18 FOURTH AVENUE S.E.  
SAINT CLOUD, MINNESOTA  
BL. 1-7751

Mr. Jake Lundheim  
Anoka County Engineer  
County Highway Dept.  
Anoka, Minn.

Attn: Mr. Redepenning, Engr.  
Mr. Ross Sanderson, Engr.

Re: Laddie Lake Overflow and  
Storm Sewer, Blaine, Minn.

Gentlemen:

At the suggestion of the Minnesota Highway Dept., with whom we are currently working out a cost-share of the above referenced drainage project to solve a long-suffered high water problem on Laddie Lake, we are making application to the Commissioners of Anoka County for permission to discharge 23 cfs of storm run-off into County Ditch # 17 at the junction of Highway 10 and Highway 47 (University Ave.), on behalf of the City of Blaine.

Enclosed are two sets of plans for consideration of the County Highway Dept. and the Commissioners for Anoka, whom we understand from conversations with your office, are currently studying the overall County ditching system and have recently embarked on a ditch inspection program as well.

The plans entail our proposal to Blaine to stabilize Laddie Lake thru a 15" overflow which would discharge approximately 1.0 cfs over a control weir, ultimately into Co. Ditch 17 and Pleasure Creek. The Lake can then be utilized as an 85 acre ponding or storage basin with a two-fold purpose:

1. On a long term basis, the lake cachement area may be increased to divert areas away from Co. Ditch 17, thereby reducing the storm load on the ditch and storing storm water on the lake to keep it uniformly full throughout the summer.
2. On a more immediate basis, a decrease in run-off to Co. Ditch 17 is possible because the lake now has no outlet and collects surface and ground water until it rises 4 to 5 feet and overflows its banks. This saturates the entire cachement area, flooding basements and drastically increasing percentage of run-off later during summer rains.

July 2, 1965  
Laddie Lake

Among some of the advantages to be listed here are:

- a) Stabilized shoreline and lake level
- b) Storage made available throughout year
- c) Lake becomes outlet for additional areas development
- d) Immediate use of lake to drain Hwys 10 & 65
- e) Immediate use of lake to drain Blaine residential property
- f) Reduction of stagnation due to water turn-over.

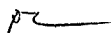
After having investigated considerable alternate proposals, such as the R.D. Thomas drainage study of 1952, a by-pass overflow along Hwy 10 and others, we consider the above plan to be the most feasible, most economical, and most desirable.

After you have had an opportunity to review the plans, we would welcome your comments and will be happy to discuss them with you at your earliest convenience.

Very truly yours,

MILNER W. CARLEY & ASSOCIATES

*Robert E. Lund*

Robert E. Lund, P.E. 

REL:dc

encl.

WEST CITY LIMITS OF BLAINE

U. S.

COUNTY

DITCH

MARSH

EXISTING DITCH

Project 64-1

CONNECTION POINT  
PROJECT 65-23 TO 64-1

10' ESM

36" FLARED  
END SEC

NO. 10

DITCH

S.T.H.

NO. 17

UNIVERSITY AVE.

UNIVERSITY

JEFFERSON

89 IN

MADISON

15

87

RESAITE

MONRIE

