



[Crystal \(Minn.\).](#)
[City Council Minutes and Agenda Packets.](#)

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ANOKA
(as of Nov. 17, 1988)

Russ Holmes
421-1373

Fire Call Pay 8.00 F.F.
Per Hour 8.50 LT.
9.00 Captain
9.50 Asst. Chief

Doug Freeby
Fire Marshal
421-6631

Lump sum only = \$3,660.00 per year of service - goes up each year.

BROOKLYN CENTER
(as of Jan. 1, 1989)

Jim McClure
561-4454

Duty Pay - Monday thru Friday - 2000 to 0800 hours = \$45.00 per shift

Duty pay weekends =

Saturday	0800 - 1400)	
	1400 - 2000)	
	2000 - 0800)	
Sunday	0800 - 1400)	-----Each shift is \$45.00
	1400 - 2000)	
	2000 - 0800)	

Each man has about 18 duties per year. They can trade, pickup, or give away.
There is "No Fire Call Pay."

PENSION MONTHLY:

\$22.50 per month for each year of service.

LUMP SUM:

\$3,000.00 per year of service. At max according to law at this time = will be
getting law changed. Hopefully.

.....

Jack Becker
424-6115

MAPLE GROVE
(as of Nov. 17, 1988)

Fire call pay per hours: 7.55 F.F.
8.05 Lt.
8.55 Captain
9.05 Asst. Chief

Sleep in on bad weather = $\frac{1}{2}$ pay unless they get a fire call then fire call pay.
Sleep in is for 8 hours.

Example Captain: \$8.55 hour 2 = \$4.27 hr. for sleep in.

Drills, station duty, Administrative work is all paid at the above man's rank.

PENSION:

Lump sum only:

\$2100.00 per year of service.

Called on 11/9/89

They are going for \$2400.00 the max that they can ask for by Law.

Ed Anderson
544-1921

NEW HOPE FIRE DEPARTMENT
(as of January 1989)

FIRE CALL PAY PER HOUR \$8.20 F.F.
add 60¢ per hour for EMT or FMO
add \$2.65 per hour for Lt.
add \$3.15 per hour for Captain
add \$5.75 per hour for Asst. Chief

\$21.00 shift for standbys, bad weather. Shift is max of 12 hours.

Training \$6.75 per hour for anyone that attends.

Lump sum Pension:

As of now they receive...\$2,300.00 per year for a year of service.
Nov. 9, 1989 they receive...\$2,650.00

Monthly Pension:

\$17.00 per year.

.....
GOLDEN VALLEY FIRE DEPARTMENT
(as of January 1989)

Erick Sherman
545-1510

FIRE CALL PAY PER HOUR \$7.50 F.F.
8.00 per hour for Captain

Sleepins and standby, drills and cleanup.....\$7.50 per hour.

As of 1987 \$2,700 per year service..lump sum only

As of Oct. 19, 1989 \$3,000 per year service

Called - effective 11/9/89 on 10/19/89 they went up to \$3,000.00 per year.
.....

Lou Star
559-2813

PLYMOUTH
(as of Jan. 1, 1989)

Fire Call pay per hour \$7.25 for all men on Fire Dept. Went to
7.50 an hour about March 1989

Sleepins, drill, work details, paid at above hourly rate.

PENSION:

Monthly = \$24.00 per month for each year of service.

LUMP SUM = \$2400.00 per year of service.

They keep their eye on the money and go for a raise when they figure the city should kick in more.

Called on 11/9/89..Lump sum = asking for \$3,000.00 on Feb. 1990.

.....
ROBBINSDALE
(as of Jan. 1, 1989)

Fire call pay per hour \$7.00

Drills, station duty = \$5.00 per hour.

Sleepins = December 1st thru April 30th = \$15.00 per night.

Each man has about 4 per month, but may trade, pick up extra ones.

PENSION: Jan. 1, 1989

Lump sum only.

\$30,000.00 for 20 years of service then \$750.00 for each year after to a maximum of 30 years service which equals - \$37,500.00

.....
BLOOMINGTON FIRE DEPARTMENT
(as of 11/9/89)

\$26,000.00 Mustering out pay
and \$1,000.00 a month after 20 years for the rest of their life.

Crystal Firefighters' Relief Association
Proposed Benefit Increases for Actives and Retirees
(July 26, 1989)

	<u>Current Plan</u>	<u>Proposal</u>
1) Total Normal Cost	\$ 47,953	\$ 56,861
2) Accrued Liabilities		
Retirants & Beneficiaries	\$1,325,653	\$1,498,561
Active Members	<u>784,818</u>	<u>926,585</u>
Total	\$2,110,471	\$2,425,146
3) Total Assets	<u>\$1,874,988</u>	<u>\$1,874,988</u>
4) Unfunded Accrued Liabilities (UAL)	\$ 235,483	\$ 550,158
5) Amortization of UAL	\$ 17,922	\$ 41,872
6) Total Computed Contributions (Line 1 + Line 5)	\$ 65,875	\$ 98,733
7) Increase from Current Plan	\$ -0-	\$ 32,858
8) Benefit Rates		
a) Monthly benefit	\$ 15	\$ 17
b) Lump sum payment in lieu of (a)	\$ 1,500	\$ 2,500
c) Maximum credited service	30	30

Memorandum

DATE: November 15, 1989
TO: Jerry Dulgar, City Manager
FROM: Joan Schmidt, Administrative Secretary
SUBJECT: Employee Recognition Program

Attached is the outline of the Employee Recognition Program and a Resolution Establishing an Employee of the Year Award Program from the City of Crystal Employee Committee. We are asking that Council approve this at their next meeting.
Thank you.

THE CITY OF CRYSTAL
EMPLOYEE RECOGNITION PROGRAM

I. PURPOSE

To establish a formal and uniform method for recognizing outstanding and/or notable achievement by municipal employees.

II. POLICY

The Recognition Program provides a means by which employees may receive structured positive feedback for actions benefiting the organization and public purpose.

The City of Crystal recognizes the need to involve peers as well as management within the review of employee achievement. It is also recognized that recognition must not be rote but based upon specific achievement recognized as such by both peer and management groups.

The program is being undertaken with the following objectives in mind:

- a. To involve peer review of nominations by utilization of the Employee Committee.
- b. To receive public perusal and support by formal recognition.
- c. To create a positive atmosphere by soliciting employee, management and Council support and to maintain an active program.

III. RESPONSIBILITY

1. Nominations may be made by any City employee, utilizing forms as provided. Nominations are directed to the Employee Committee after being submitted to the Administrative Secretary.
2. The Employee Committee will review all nominations and make a written report to the City Manager.
3. The City Manager, with assistance from the Finance Director and Administrative Assistant, makes decision as to which employee(s) is/are to be recognized and informs the Council of the final decision.

IV. PROCEDURE

1. A supply of "Employee Recognition Forms" will be furnished to each department. A supply is also available from the Administrative Secretary. Anyone wishing to make a nomination should do so with the form provided and submit to the Administrative Secretary. Nominations can be made at anytime throughout the year.
2. Nominations are to be brought to the Employee Committee on a monthly basis for perusal. The Committee review will provide comment as to validity and appropriateness of nomination but will not rank or recommend action.
3. The City Manager shall make a decision based upon statements by the Employee Committee, the nomination form and counsel with the nominating party. The committee shall have the option not to recommend an employee(s) each month. No more than twelve recognitions will be presented each year. From these twelve recognitions the "Employee of the Year" is chosen. The person(s) will be recognized and their picture and name applied to a plaque located at the City Hall or Community Center. This individual will receive a certificate from the City Manager with a letter to be placed in their personnel file. This presentation will take place at a City activity throughout the year.
4. Once each year, an "Employee of the Year" selection will be made from nominations from the previous twelve months.
5. Actual award(s) will be as determined by the City Manager and shall be in the form of a non cash contribution (plaque, certificate, trophy, etc.). The employee of the year shall receive one day off with pay and all other awards deemed appropriate by the City Manager.

V. DISTRIBUTION

All employees.

Jerry Dulgar
City Manager
November 14, 1989

RESOLUTION NO.89-

RESOLUTION ESTABLISHING AN
EMPLOYEE OF THE YEAR
AWARD PROGRAM

WHEREAS, the City Council of the City of Crystal encourages all efforts to improve the City; and

WHEREAS, the quality of work of each employee is a vital link in the betterment of the community; and

WHEREAS, the City Council of the City of Crystal believes that the dedicated work by employees should be rewarded; and

WHEREAS, the City Council of the City of Crystal believes that such awards are in the best interest of the community.

NOW THEREFORE BE IT RESOLVED that the City Council of the City of Crystal establishes an employee of the year award program to include an employee of the month award; and

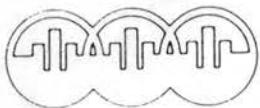
BE IT FURTHER RESOLVED that such program is in the best interest of the City; and

BE IT FINALLY RESOLVED that awards for such an honor of employee of the year shall include one day off with pay and all other awards deemed appropriate by the City Manager.

Mayor

ATTEST:

City Clerk



National
League
of
Cities

1301 Pennsylvania Avenue NW
Washington, D.C.
20004
(202) 626-3000

Officers

President
Terry Goddard
Mayor, Phoenix, Arizona

First Vice President
Bob Bolen
Mayor, Ft. Worth, Texas

Second Vice President
Sidney J. Barthelemy
Mayor, New Orleans, Louisiana

Immediate Past President
Pamela P. Plumb
Councilor, Portland, Maine

Executive Director
Alan Beals

October 31, 1989

To: Voting and Alternate Voting Delegates
From: Alan Beals, Executive Director *Alan Beals*
Subject: Annual Congress of Cities, Atlanta, Georgia

Appointment - This is to confirm your designation as a voting delegate or an alternate voting delegate to the 1989 Congress of Cities.

Voting Procedures - You will vote on a revised National Municipal Policy and other resolutions and for new officers and members of the Board of Directors at the Annual Business Meeting on Wednesday, November 29, in the Georgia World Congress Center beginning at 10:30 a.m. (Check your program for exact location). To be eligible to cast a vote, all voting and alternate voting delegates **must have a voting delegate designation form on file with the Credentials Committee; you must wear a registration badge bearing a "delegate" or "alternate" sticker; and you must present an official voting card issued by the Credentials Committee.** Pre-registered voting delegates and alternates should receive a conference registration badge with the "delegate" or "alternate" sticker already affixed. Delegates and alternates who will register for the Congress of Cities after they arrive in Atlanta should report to the Credentials Desk (located in the Registration Area) to obtain a sticker for their badge (if there is not one already affixed to their badge). Voting cards may be picked up by Credentialed Voting Delegates only at the Credentials Desk after 8:00 a.m. on Tuesday, November 28th. **Registration badges and voting cards must be displayed in order to gain entry to the floor during the Annual Business Meeting.** Only certified voting delegates and alternates will be permitted on the floor. All others will be restricted to the gallery.

Past Presidents: Tom Bradley, Mayor, Los Angeles, California • Henry G. Cisneros, Mayor, San Antonio, Texas • Ferd L. Harrison, Mayor, Scotland Neck, North Carolina • William H. Hudnut, III, Mayor, Indianapolis, Indiana • George Latimer, Mayor, St. Paul, Minnesota • Jessie M. Rattley, Mayor, Newport News, Virginia • Cathy Reynolds, Councilwoman-at-Large, Denver, Colorado • John P. Rousakis, Mayor, Savannah, Georgia • Charles Royer, Mayor, Seattle, Washington • George V. Voinovich, Mayor, Cleveland, Ohio • **Directors:** Gary Anderson, Mayor, Decatur, Illinois • Jane Baker, Mayor, San Mateo, California • Carolyn Long Banks, Councilmember, Atlanta, Georgia • Marjorie A. Boon, Mayor, Grand Haven, Michigan • John E. Bourne, Jr., Mayor, North Charleston, South Carolina • Margaret W. Carpenter, Mayor, Thornton, Colorado • Stephen T. Cassano, Deputy Mayor, Manchester, Connecticut • Hal Conklin, Mayor Pro Tem, Santa Barbara, California • Beulah Coughenour, Councilmember, Indianapolis, Indiana • Joseph S. Daddona, Mayor, Allentown, Pennsylvania • Ed Eilert, Mayor, Overland Park, Kansas • Edward C. Farrell, Executive Director, New York Conference of Mayors • Robert Farrell, Councilmember, Los Angeles, California • Fred Guerra, Mayor Pro Tem, San Marcos, Texas • Anthony Hall, Jr., Councilmember, Houston, Texas • Glenda E. Hood, Mayor Pro Tem, Orlando, Florida • Joe B. Jackson, Mayor, Murfreesboro, Tennessee • Peter King, Executive Director, League of Iowa Municipalities • Mike D. Lindberg, City Commissioner, Portland, Oregon • Gary Markenson, Executive Director, Missouri Municipal League • Melissa Mershon, Alderman, Louisville, Kentucky • William A. Moyer, Executive Director, Oklahoma Municipal League • David D. Orr, Alderman, Chicago, Illinois • David E. Reynolds, Executive Director, North Carolina League of Municipalities • John H. Rodriguez, Councilman, Yuma, Arizona • Perry Roquemore, Executive Director, Alabama League of Municipalities • James Scheibel, Council President, St. Paul, Minnesota • Florence Shapiro, Mayor Pro Tem, Plano, Texas • Dolores Sibonga, Councilmember, Seattle, Washington • E.B. Turner, Councilman, Lumberton, North Carolina

Memo to Voting Delegates
Page 2
October 31, 1989

Each member city is entitled to one to twenty votes to be cast through its voting delegate. Each state league of municipalities is entitled to twenty votes to be cast through its voting delegate or delegates. Voting delegates must be present to vote. **No proxies are allowed.**

Attached is a copy of the Official Rules and Procedures for the Annual Business Meeting. Assistance in clarifying any aspect of voting procedures may be secured prior to the Congress of Cities from NLC's Office of Policy Analysis and Development at the Georgia World Congress Center; assistance relative to credentials or voting is available from the NLC Credentials Desk or the Policy Office throughout the Congress of Cities.

Attachment

OFFICIAL RULES AND PROCEDURES
FOR THE ANNUAL BUSINESS MEETING
NATIONAL LEAGUE OF CITIES*

1. Call to Order - The President of the National League of Cities shall call the business meeting to order. If the President is absent from the meeting, the call to order shall be made by, in order of succession: a) the first vice president, b) the second vice president, c) a member of the Board of Directors selected by the Board of Directors.
2. Presiding Officers - The presiding officer of the annual business meeting shall be the President or his successor as defined in Rule #1 or the Chairman of the Resolutions Committee or any member of the Board of Directors or Nominating Committee recognized by the President as presiding officer for the purpose of conducting business.
3. General Rules -
 - 3.1 Separation of Floor from Gallery - The site of the business meeting shall be divided into a floor section and a gallery section. The floor section shall be further separated into an area for voting delegates and an area for alternates. No one shall be given access to the voting delegate section except as provided in these rules.
 - 3.2 Delegate and Staff Access to the Floor - Only certified voting delegates or their alternates, members of the Board of Directors and Advisory Council, Executive Directors of State Municipal Leagues, designated staff members and others granted access at the discretion of the presiding officer, will be allowed in the voting delegate section on the floor of the business meeting. To gain access to the floor, voting delegates or their alternates must be wearing a registration badge bearing a "delegate" or "alternate" sticker and must present an official voting card issued by the Credentials Committee. Except as provided in Section 3.4 of these rules, only certified voting delegates or alternates will be recognized to speak by the presiding officer.
 - 3.3 Press Access to the Floor - Members of the press will be allowed on the floor at the discretion of the presiding officer.
 - 3.4 Committee Access to the Floor - Policy committee, task force or special committee chairpersons or vice-chairpersons not certified to vote may be allowed on the floor and recognized to speak at the discretion of the presiding officer.
 - 3.5 Delegates, Guests and Observers - Any delegate will have access to the gallery. Guests and observers may have access to the gallery at the discretion of the presiding officer.
 - 3.6 Quorum - A quorum shall consist of a majority of the votes certified on the official voting roll for the annual business meeting.
 - 3.7 Rules of Order - Robert's Rules of Order shall govern the conduct of the business meeting unless otherwise specified in the NLC Bylaws or these official Rules and Procedures.

*Adopted August 3, 1979, by the Board of Directors of the National League of Cities, as permanent rules of the Annual Business Meeting. Amended by the Board of Directors November 27, 1982.

3.8 Parliamentarian - A qualified parliamentarian shall be appointed to assist the presiding officer and delegates on matters of procedure at all times during the business meeting.

3.9 Sergeant-at-Arms - The President shall appoint a Sergeant-at-Arms who will be responsible for enforcing these official Rules and Procedures and tallying all votes (other than voice votes) taken on the floor. Such additional persons as are necessary to assist the Sergeant-at-Arms in monitoring orderly procedures and efficient vote counting may be appointed by the President.

4. Voting -

4.1 Credentials Committee - Prior to the annual business meeting, the President shall appoint a credentials committee of three, at least one of whom shall be a representative of a member city. It shall be the duty of the credentials committee to settle any dispute concerning the voting rights of members and their voting delegates and to certify to the President prior to each annual meeting a voting roll of qualified voting delegates and alternate voting delegates, the number of votes which may be cast by each member of the National League, the total number of such votes, the number of votes required to constitute a quorum, and the number of votes required to trigger a weighted vote.

4.2 Designation and Certification of Voting Delegates and Alternates - Prior to the annual business meeting, each member city shall designate one voting delegate and may designate one first alternate and one second alternate to cast the city's vote or votes at the annual business meeting. The persons so designated by each member city must be official employees of the city, with one exception. A newly elected city official who at the time of the meeting has not yet taken office may be designated to cast the city's vote if appointed for that purpose by the outgoing Mayor. No person may serve as a voting delegate or alternate for more than one city.

Each state league shall designate up to twenty (20) voting delegates and twenty alternates, which may include the state league director, of which one (1) shall be designated head of the delegation. On a weighted vote, the head of each state league delegation may tally and report the vote of the delegation. A city official serving as the voting delegate or alternate for his city may also serve as a voting delegate or alternate for his state league.

All voting delegates must be registered with and certified by the Credentials Committee by 5:00 p.m. the day before the annual business meeting. To cast a vote at the annual business meeting, all voting or alternate delegates must be registered with the Credentials Committee, must be wearing a badge bearing a "delegate" or "alternate" sticker, and must present an official voting card issued by the Credentials Committee.

4.3 Vote Entitlement - Each state municipal league shall be entitled to twenty (20) votes. The number of votes to which a member city is entitled shall be based on population (as determined by the most recent U.S. Census) according to the following table:

a.	Under 50,000	1 vote
b.	50,000 to 99,999	2 votes
c.	100,000 to 199,999	4 votes
d.	200,000 to 299,999	6 votes
e.	300,000 to 399,999	8 votes
f.	400,000 to 499,999	10 votes
g.	500,000 to 599,999	12 votes
h.	600,000 to 699,999	14 votes
i.	700,000 to 799,999	16 votes
j.	800,000 to 899,999	18 votes
k.	900,000 and above	20 votes

Member cities, but not member leagues must cast unanimous votes.

4.4 Voting Method - Except as specified in Section 6.2 of these rules, all voting shall be by voice vote unless a weighted vote is demanded by 10 percent or more of the certified votes present at the annual business meeting. Voting shall be limited to duly certified voting delegates or their alternates. In weighted voting, each certified voting delegate shall cast the total number of votes to which he or she is entitled.

4.5 Proxy Voting - Proxy voting is expressly prohibited.

4.6 Vote Required for Official Actions - A majority of certified votes present and voting shall be required for election of any officer or board member or for passage of any matter of business voted upon at the annual business meeting, except as follows. A two-third vote of certified votes present and voting shall be required to adopt, repeal or amend National Municipal Policy statements and to adopt separate policy resolutions. A two-thirds majority of certified votes cast is required to amend or repeal any section of the Bylaws. (Note: Notice of any proposed Bylaws amendments to be voted on at the annual business meeting must be mailed to all members not less than 15 days prior to the annual meeting.)

5. National Policy Statements -

5.1 Submission of Amendments to National Municipal Policy and Separate Resolutions - Amendments to National Municipal Policy and separate policy resolutions may be submitted to the voting delegates by the Board of Directors, by a Resolutions Committee appointed by the Board for that purpose, or by petition of ten (10) certified voting delegates provided that such petition receives a majority vote of the delegates present and voting on a motion to consider the petition. Petitions must carry the printed name, title, city and state, and the signature of sponsoring delegates.

The petition process is not required in cases where the motion is to amend the National Municipal Policy language or separate resolution submitted to voting delegates by NLC's Board of Directors or Resolutions Committee, and where the proposed amendment is germane to the language submitted by the Board or Resolutions Committee. However, a motion to adopt, repeal or amend National Municipal Policy must be accompanied by a petition if it will amend any paragraph of National Municipal Policy other than those proposed for change by the Board of Directors or Resolutions Committee or if it is not germane to such proposed changes. Separate policy resolutions other than those submitted by the Board of Directors or Resolutions Committee will require a petition.

- 5.2 Deadline for Submission of National Policy Statements - To be considered by delegates at the annual business meeting, all proposed National Municipal Policy Statements or separate policy resolutions must be presented in writing to the presiding officer by one-half hour (30 minutes) before the call to order of the annual business meeting.

6. Elections -

- 6.1 Nominations - A nominating committee of not less than seven nor more than eleven officers of member leagues, state league cities and member cities shall be appointed by the President to present to the annual meeting a slate of qualified candidates for officer positions and seats on the Board of Directors. Such report by the nominating committee must be made in writing at least four hours in advance of the scheduled election. In addition, nominations may be made from the floor at the annual business meeting. A second to each nomination will be required. Nominating and seconding speeches for each officer position shall be limited to five (5) minutes total. Nominating speeches for Board of Directors positions shall be limited to two (2) minutes in length; seconding speeches shall be limited to one (1) minute.
- 6.2 Voting and Elections Procedures - At the discretion of the presiding officer, a written ballot may be used for any contested election. Such a written ballot shall separate those names presented by the nominating committee from those nominated from the floor. A ballot for Board of Director positions shall also distinguish those positions held customarily by State League Directors.

A majority vote of the certified votes present at the annual business meeting shall be required for election of any officer or member of the Board of Directors. When more than two persons are nominated for an NLC officer position and no candidate receives a majority of the votes cast, the candidate receiving the lowest vote will be eliminated from the ballot and a new vote taken. To facilitate the elections process, the names of any candidates receiving less than ten (10) percent of the votes cast on any ballot may be eliminated from subsequent ballots.

When more persons are nominated for election to the Board of Directors than vacancies exist, those persons receiving a majority vote on the first ballot will be declared elected. The name receiving the least number of votes, and any names receiving less than ten (10) percent of the votes cast on the previous ballot, shall then be eliminated and a new vote taken. This process will be repeated until all vacant positions are filled.

7. Agenda for the Annual Business Meeting - The NLC staff shall annually prepare an agenda for the annual business meeting to be reviewed and approved by the Board of Directors at the last meeting of the Board before the annual business meeting.
8. Supplemental Procedures for Management of Floor Activities - The NLC staff shall prepare annually such supplemental procedures as are necessary to the orderly and efficient conduct of the annual business meeting. Such procedures are subject to approval by the Board of Directors before they are promulgated.

RESOLUTION NO. 89-_____

RESOLUTION RELATING TO LICENSE
FEES AND PERMIT FEES

BE IT RESOLVED by the City Council of the City of Crystal,
Minnesota as follows:

Section 1. Background.

1.01. Ordinance No. 89-23 provides that the various license fees and permit fees required by the various sections of the Crystal City Code are to be established by Council resolution and embodied as Appendix IV to the City Code.

1.02. The Council finds that it is necessary and desirable to utilize the procedure set out in Ordinance No. 89-23 to establish fees for licenses and permits now in the process of application for the calendar year 1990 and for other licenses and permits during the period commencing January 1, 1990 and thereafter until changed by Council resolution.

Sec. 2. Fees Established.

2.01. The fees for the various licenses and permits required by the Crystal City Code are set forth in Exhibit 1 to this resolution.

2.02. The fees set forth in Exhibit 1 are effective for licenses and permits to become effective on January 1, 1990 and thereafter.

2.03. The Clerk is authorized and directed to title this resolution as Appendix IV to the Crystal City Code and to file it in the appropriate City records.

Mayor

Attest:

City Clerk

Ordinance 2

CITY OF CRYSTAL

FEE SCHEDULE

Adopted by the Crystal

City Council November 21, 1989

Effective January 1, 1990

DEPT.	TYPE	ORD. #	DESCRIPTION	VALUATION	EXPIRATION	FEE
Admn	License	1100	Amusements centers		12/31	3000.00
Admn	License	1100	Amusements centers (ea. addn'l over 30)		12/31	30.00
Admn	License	1105	Auctioneer		1 day	18.25
Admn	License	1105	Auctioneer		12/31	220.00
Admn	License	1115	Auto junk yard		12/31	220.00
Admn	License	1125	Automatic Dry Cleaning Establishment		12/31	47.25
Admn	License	1100	Billiard and Pool (per table)		12/31	30.00
Admn	License	1215	Bona-fide club, 3.2 beer		6/30	66.00
Admn	License	1200	Bona-fide Club on sale		6/30	110.00
Admn	License	1205	Bottle club		6/30	300.00
Admn	License	1100	Bowling (per lane)		12/31	25.00
Admn	License	1120	Bulk oil		12/31	72.75
Admn	License	955	Burglar alarm (monthly)		6/1	5.50
Admn	License	1100	Carnival with games (1st day)		12/31	71.50
Admn	License	1100	Carnival with games (addn'l. days)		12/31	18.75
Admn	License	1135	Cigarette		12/31	30.00
Admn	License	1100	Circuses (1st day)		12/31	220.00
Admn	License	1100	Circuses (each addn'l. day)		12/31	18.25
Admn	License	805	Courtesy bench		12/31	20.00
Admn	License	1100	Dance hall		12/31	363.00
Admn	License	1100	Fortune tellers, astrologers, etc.		12/31	151.25
Admn	License	1100	Gambling (State License)		12/31	3%/adm. fees
Admn	License	1100	Gambling (State License)		12/31	10%/expend
Admn	License	1120	Gas station		12/31	50.00
Admn	License	1120	Gas station, each hose connection		12/31	7.25
Admn	License	1120	Gasoline storage		12/31	72.75
Admn	License		Inv. Fee, Liq/2nd Hd Gds/Pawnbrok-in St.			500.00
Admn	License		Inv. Fee, Liq/2nd Hd Gds/Pawnbrok-out St.			750.00
Admn	License	1100	Juke box (each machine)		12/31	20.00
Admn	License	1100	Kiddie rides (each)		12/31	20.00
Admn	License	1125	Laundromat		12/31	30.25

Admn	License	1170 Massage, each thereafter		35.00
Admn	License	1170 Massage, first 2 terms	12/31	1100.00
Admn	License	1100 Mechanical amusements (pinball) (ea mchn)	12/31	104.50
Admn	License	1100 Miniature golf	12/31	99.00
Admn	License	1215 Off sale 3.2 beer	6/30	42.00
Admn	License	1200 Off sale liquor	6/30	200.00
Admn	License	1200 On sale liquor	6/30	5500.00
Admn	License	1215 On sale spec beer stands, 3.2 beer (day)	6/30	13.25
Admn	License	1175 Pawn broker (\$5000 bond req.)	6/30	500.00
Admn	License	1160 Peddlers/Solicitors/Transient Merchants	1 day	5.00
Admn	License	1160 Peddlers/Solicitors/Transient Merchants	12/31	25.00
Admn	License	1160 Peddlers/Solicitors/Transient Merchants	wk.	30.00
Admn	License	1160 Peddlers/Solicitors/Transient Merchants	mo.	130.00
Admn	License	1160 Peddl/Solicit/Tsnt. Mcht. (addn'l app.)	12/31	10.00
Admn	License	1120 Private gas dispensing (1st hose)	12/31	14.25
Admn	License	1120 Private gas dispensing (add. hose)		7.25
Admn	License	620 Public steam bath fac. (commercial)	12/31	1000.00
Admn	License	620 Public steam bath fac. (semi-private)	12/31	500.00
Admn	License	1100 Roller skating rink	12/31	363.00
Admn	License	1175 Second hand dealers (\$3000 bond req.)	6/30	200.00
Admn	License	1175 Second hnd deal/multi sls (\$3000 bond req.)	6/30	400.00
Admn	License	1100 Shooting gallery (per game)	12/31	49.50
Admn	License	1100 Shows and performances, indoor (1st day)	12/31	36.25
Admn	License	1100 Shows and performances, indoor (add. days)	12/31	18.75
Admn	License	1100 Small shows, exhibits (1st day)	12/31	36.25
Admn	License	1100 Small shows, exhibits (addn'l. days)	12/31	18.75
Admn	License	1200 Sunday liquor	6/30	200.00
Admn	License	945 Target & Trapshooting Premises	12/31	71.50
Admn	License	1215 Tavern, 3.2 beer	6/30	522.50
Admn	License	1150 Taxicab - company	12/31	30.25
Admn	License	1150 Taxicab - each cab		18.25
Admn	License	1200 Temporary (on sale, per day)	per day	50.00
Admn	License	1100 Theater	12/31	363.00

Admn	License	1150 Trailer camp	12/31	220.00
Admn	License	1100 Trampoline (each)	12/31	10.50
Admn	License	1165 Tree trimmer	12/31	55.00
Admn	License	1200 Wine, premises seating 100 or more		1000.00
Admn	Other	Bicycle/\$5 fee for state, \$1 fee for City 3 yr.		6.00
Admn	Other	Certification of minutes		3.00
Admn	Other	Certification of minutes (mailed)		4.00
Admn	Other	City code book		50.00
Admn	Other	Community room rental charge		50.00
Admn	Other	Filing for election		5.00
Admn	Other	Photocopying (.40/page, minimum fee .50)		0.25
Bldg	License	1130 Christmas tree sales	12/31	50.00
Bldg	License	400 Gas fitters	12/31	30.25
Bldg	License	400 Plumbers	12/31	30.25
Bldg	License	406 Sign hangers/Billboard erectors	5/1	66.00
Bldg	License	406 Signs - conforming, min. \$15	2/1	30%/permit
Bldg	License	406 Signs - nonconforming, min. fee \$15	2/1	50%/permit
Bldg	Other	1 1/2" Bdgr Mdl 70, Bronze, w/remote		250.00
Bldg	Other	1 1/2" Bdgr Split Case, Bronze w/remote		380.00
Bldg	Other	1 1/2" CC tapered brass plugs		13.00
Bldg	Other	1 1/2" Meter flanges (pair)		25.00
Bldg	Other	1 1/2" Mueller with 1/8 bend corp stop		35.00
Bldg	Other	1 1/2" Mueller #15201, Oriseal, round port		65.50
Bldg	Other	12", 2 strap, w/2" cc tap water main saddle		64.00
Bldg	Other	16", lock joint w/1" cc tap water main saddle		170.00
Bldg	Other	1" A-ER Generators		34.00
Bldg	Other	1" Badger Model 40 water meter		88.00
Bldg	Other	1" Bdgr Mdl 40, bronze		84.00
Bldg	Other	1" Bdgr Mdl 40 fire ln meter, no remote		87.00
Bldg	Other	1" Bdgr Mdl 40 w/remote, lawn sprink meter		97.00
Bldg	Other	1" CC tapered brass plugs		5.00
Bldg	Other	1" Compression coupling, 3 piece, copper to copper		17.00
Bldg	Other	1" Copper to copper flare couplings, 3 piece		13.00

Bldg	Other	1" Ford Mpls Pattern, ball valve #b22-44m curb stop	31.50
Bldg	Other	1" Mueller 1/8 bend only	6.00
Bldg	Other	1" Mueller #15000, less 1/8 bend corp stop	12.00
Bldg	Other	1" Mueller #15010, with 1/8 bend corp stop	20.00
Bldg	Other	1" stop, Mpls pattern #5614A, tap 1 1/2" at btm curb box	32.00
Bldg	Other	1" stop, Mpls pattern #5615, tapped 2" at btm curb box	32.00
Bldg	Other	1" Tail pieces (pair)	10.00
Bldg	Other	2 1/2"x2" Mueller #10344 curb stop to box adaptor	20.00
Bldg	Other	24", lock joint w/1 1/2" cc tap water main saddle	210.00
Bldg	Other	24", lock joint w/1" cc tap water main saddle	190.00
Bldg	Other	2" Bdgr, Compound, Bronze w/remote	1015.00
Bldg	Other	2" Meter flanges (pair)	30.00
Bldg	Other	2" Mueller with 1/8 bend corp stop	39.00
Bldg	Other	2" Mueller #15201, Oriseal, round port	128.00
Bldg	Other	2" - 1/8 bend only, Mueller	12.00
Bldg	Other	3" Compound, Bronze 17 1/2" lay length/remote	1382.00
Bldg	Other	3/4" Badger Model 25 water meter	31.00
Bldg	Other	3/4" Bdgr Mdl 25 fire ln mtr, no remote	40.00
Bldg	Other	3/4" Bdgr Mdl 25 water meter w/remote	41.00
Bldg	Other	3/4" CC tapered brass plugs	5.00
Bldg	Other	3/4" Tail pieces (pair)	9.00
Bldg	Other	4" Compound, Bronze w/remote	2100.00
Bldg	Other	4" Turbo, w/remote Park Bldgs Only)	1190.00
Bldg	Other	5/8" Bronze measuring chamber for A-ER	55.00
Bldg	Other	5/8" Generator for A-ER	34.00
Bldg	Other	5/8" Plastic measuring chamber for A-ER	28.00
Bldg	Other	6", 2 strap, w/2" cc tap water main saddle	34.00
Bldg	Other	8", 2 strap, w/2" cc tap water main saddle	48.00
Bldg	Other	8"x4" Sealtite & 4" Fernco coupling sewer saddle	31.00
Bldg	Other	Curb box lid, slip on type	23.00
Bldg	Other	Curb box lid, #5627	11.00
Bldg	Other	For 1 1/2" stop, arch pattern #5630 or Mueller H-10395	80.00
Bldg	Other	For 2" stop, arch pattern #5631	80.00

Bldg	Other	Lead meter seals			0.08
Bldg	Other	Meter horn #2 Ford for 3/4" Model 25			19.00
Bldg	Other	Meter horn #4 Ford for 3/4" Model 25			38.00
Bldg	Other	Meter sealing wire (ft.)			0.08
Bldg	Other	Remote lead in wire (Belden #8486) (500 ft.)			65.17
Bldg	Other	Remote lead in wire (Belden #8486) (ft.)			0.15
Bldg	Other	Remote register (cover only)			8.00
Bldg	Other	Remote registers			15.00
Bldg	Permit	Abandoning/repair water service		6 mo.	17.50
Bldg	Permit	Basic	1	500 6 mo.	15.00
Bldg	Permit	Basic	501	600 6 mo.	17.00
Bldg	Permit	Basic	601	700 6 mo.	19.00
Bldg	Permit	Basic	701	800 6 mo.	21.00
Bldg	Permit	Basic	801	900 6 mo.	23.00
Bldg	Permit	Basic	901	1000 6 mo.	25.00
Bldg	Permit	Basic	1001	1100 6 mo.	27.00
Bldg	Permit	Basic	1101	1200 6 mo.	29.00
Bldg	Permit	Basic	1201	1300 6 mo.	31.00
Bldg	Permit	Basic	1301	1400 6 mo.	33.00
Bldg	Permit	Basic	1401	1500 6 mo.	35.00
Bldg	Permit	Basic	1501	1600 6 mo.	37.00
Bldg	Permit	Basic	1601	1700 6 mo.	39.00
Bldg	Permit	Basic	1701	1800 6 mo.	41.00
Bldg	Permit	Basic	1801	1900 6 mo.	43.00
Bldg	Permit	Basic	1901	2000 6 mo.	45.00
Bldg	Permit	Basic	2001	3000 6 mo.	54.00
Bldg	Permit	Basic	3001	4000 6 mo.	63.00
Bldg	Permit	Basic	4001	5000 6 mo.	72.00
Bldg	Permit	Basic	5001	6000 6 mo.	81.00
Bldg	Permit	Basic	6001	7000 6 mo.	90.00
Bldg	Permit	Basic	7001	8000 6 mo.	99.00
Bldg	Permit	Basic	8001	9000 6 mo.	108.00
Bldg	Permit	Basic	9001	10000 6 mo.	117.00

Bldg	Permit	Basic	10001	11000 6 mo.	126.00
Bldg	Permit	Basic	11001	12000 6 mo.	135.00
Bldg	Permit	Basic	12001	13000 6 mo.	144.00
Bldg	Permit	Basic	13001	14000 6 mo.	153.00
Bldg	Permit	Basic	14001	15000 6 mo.	162.00
Bldg	Permit	Basic	15001	16000 6 mo.	171.00
Bldg	Permit	Basic	16001	17000 6 mo.	180.00
Bldg	Permit	Basic	17001	18000 6 mo.	189.00
Bldg	Permit	Basic	18001	19000 6 mo.	198.00
Bldg	Permit	Basic	19001	20000 6 mo.	207.00
Bldg	Permit	Basic	20001	21000 6 mo.	216.00
Bldg	Permit	Basic	21001	22000 6 mo.	225.00
Bldg	Permit	Basic	22001	23000 6 mo.	234.00
Bldg	Permit	Basic	23001	24000 6 mo.	243.00
Bldg	Permit	Basic	24001	25000 6 mo.	252.00
Bldg	Permit	Basic	25001	26000 6 mo.	258.50
Bldg	Permit	Basic	26001	27000 6 mo.	265.00
Bldg	Permit	Basic	27001	28000 6 mo.	271.50
Bldg	Permit	Basic	28001	29000 6 mo.	278.00
Bldg	Permit	Basic	29001	30000 6 mo.	284.50
Bldg	Permit	Basic	30001	31000 6 mo.	291.00
Bldg	Permit	Basic	31001	32000 6 mo.	297.50
Bldg	Permit	Basic	32001	33000 6 mo.	304.00
Bldg	Permit	Basic	33001	34000 6 mo.	310.50
Bldg	Permit	Basic	34001	35000 6 mo.	317.00
Bldg	Permit	Basic	35001	36000 6 mo.	323.50
Bldg	Permit	Basic	36001	37000 6 mo.	330.00
Bldg	Permit	Basic	37001	38000 6 mo.	336.50
Bldg	Permit	Basic	38001	39000 6 mo.	343.00
Bldg	Permit	Basic	39001	40000 6 mo.	349.50
Bldg	Permit	Basic	40001	41000 6 mo.	356.00
Bldg	Permit	Basic	41001	42000 6 mo.	362.50
Bldg	Permit	Basic	42001	43000 6 mo.	369.00

Bldg	Permit	Basic	43001	44000 6 mo.	375.50
Bldg	Permit	Basic	44001	45000 6 mo.	382.00
Bldg	Permit	Basic	45001	46000 6 mo.	388.50
Bldg	Permit	Basic	46001	47000 6 mo.	395.00
Bldg	Permit	Basic	47001	48000 6 mo.	401.50
Bldg	Permit	Basic	48001	49000 6 mo.	408.00
Bldg	Permit	Basic	49001	50000 6 mo.	414.50
Bldg	Permit	Basic	50001	51000 6 mo.	419.00
Bldg	Permit	Basic	51001	52000 6 mo.	423.50
Bldg	Permit	Basic	52001	53000 6 mo.	428.00
Bldg	Permit	Basic	53001	54000 6 mo.	432.50
Bldg	Permit	Basic	54001	55000 6 mo.	437.00
Bldg	Permit	Basic	55001	56000 6 mo.	441.50
Bldg	Permit	Basic	56001	57000 6 mo.	446.00
Bldg	Permit	Basic	57001	58000 6 mo.	450.50
Bldg	Permit	Basic	58001	59000 6 mo.	455.00
Bldg	Permit	Basic	59001	60000 6 mo.	459.50
Bldg	Permit	Basic	60001	61000 6 mo.	464.00
Bldg	Permit	Basic	61001	62000 6 mo.	468.50
Bldg	Permit	Basic	62001	63000 6 mo.	473.00
Bldg	Permit	Basic	63001	64000 6 mo.	477.50
Bldg	Permit	Basic	64001	65000 6 mo.	482.00
Bldg	Permit	Basic	65001	66000 6 mo.	486.50
Bldg	Permit	Basic	66001	67000 6 mo.	491.00
Bldg	Permit	Basic	67001	68000 6 mo.	495.50
Bldg	Permit	Basic	68001	69000 6 mo.	500.00
Bldg	Permit	Basic	69001	70000 6 mo.	504.50
Bldg	Permit	Basic	70001	71000 6 mo.	509.00
Bldg	Permit	Basic	71001	72000 6 mo.	513.50
Bldg	Permit	Basic	72001	73000 6 mo.	518.00
Bldg	Permit	Basic	73001	74000 6 mo.	522.50
Bldg	Permit	Basic	74001	75000 6 mo.	527.00
Bldg	Permit	Basic	75001	76000 6 mo.	531.50

Bldg	Permit	Beer dispenser/connected with water supply	6 mo.	17.50
Bldg	Permit	Blowoff basin	6 mo.	17.50
Bldg	Permit	Building sewer permit	6 mo.	17.50
Bldg	Permit	Catch basin	6 mo.	17.50
Bldg	Permit	Electric water heater	6 mo.	17.50
Bldg	Permit	Extension of water pipe or system	6 mo.	17.50
Bldg	Permit	Free Stand Sign/1st 5 sq.ft, .40 ea. add.	6 mo.	15.00
Bldg	Permit	Gas fitters card	12/31	5.00
Bldg	Permit	Gas fitting to 99,999 BTU	6 mo.	17.50
Bldg	Permit	Gas fit. 1,000,000-2,499,999 BTU	6 mo.	160.00
Bldg	Permit	Gas fit. 10,000,000-49,999,999 BTU	6 mo.	290.00
Bldg	Permit	Gas fit. 100,000-199,999 BTU	6 mo.	25.00
Bldg	Permit	Gas fit. 2,500,000-9,999,999 BTU	6 mo.	200.00
Bldg	Permit	Gas fit. 200,000-399,999 BTU	6 mo.	50.00
Bldg	Permit	Gas fit. 400,000-599,999 BTU	6 mo.	75.00
Bldg	Permit	Gas fit. 50,000,000-74,999,999 BTU	6 mo.	375.00
Bldg	Permit	Gas fit. 600,000-999,999 BTU	6 mo.	100.00
Bldg	Permit	Gas fit. 75,000,000 BTU and over	6 mo.	500.00
Bldg	Permit	Gas piping (ea. addn'l opening, over 2")	6 mo.	5.00
Bldg	Permit	Gas piping (ea. addn'l opening, under 2")	6 mo.	3.50
Bldg	Permit	Gas piping (up to 3 openings, over 2")	6 mo.	17.50
Bldg	Permit	Gas piping (up to 3 openings, under 2")	6 mo.	7.00
Bldg	Permit	Heating & air cond. 1 1000	6 mo.	15.00
Bldg	Permit	Heating & air cond. 1001 5000	6 mo.	per value
Bldg	Permit	Heating & air cond. 5001 50000	6 mo.	per value
Bldg	Permit	Heating & air cond. 50001 500000	6 mo.	per value
Bldg	Permit	Heating & air cond. 500001 1000000	6 mo.	per value
Bldg	Permit	Heating & air cond. 1000001 over	6 mo.	per value
Bldg	Permit	Hydraulic sewer valve	6 mo.	17.50
Bldg	Permit	Inspection of moved bldgs. (hr. rate)	6 mo.	30.00
Bldg	Permit	Minor moving 1 loc./another or diff. lot	6 mo.	35.00
Bldg	Permit	Moving 1 loc. to another or different lot	6 mo.	125.00
Bldg	Permit	Moving on same lot	6 mo.	30.00

Bldg	Permit	Moving (over \$500 value/\$6 ea. add. \$200	6 mo.	6.00
Bldg	Permit	Off premise sign/1st 5 sq.ft., .40 ea. add.	6 mo.	15.00
Bldg	Permit	Plan check	1 500 6 mo.	9.75
Bldg	Permit	Plan check	501 600 6 mo.	11.05
Bldg	Permit	Plan check	601 700 6 mo.	12.35
Bldg	Permit	Plan check	701 800 6 mo.	13.65
Bldg	Permit	Plan check	801 900 6 mo.	14.95
Bldg	Permit	Plan check	901 1000 6 mo.	16.25
Bldg	Permit	Plan check	1001 1100 6 mo.	17.55
Bldg	Permit	Plan check	1101 1200 6 mo.	18.85
Bldg	Permit	Plan check	1201 1300 6 mo.	20.15
Bldg	Permit	Plan check	1301 1400 6 mo.	21.45
Bldg	Permit	Plan check	1401 1500 6 mo.	22.75
Bldg	Permit	Plan check	1501 1600 6 mo.	24.05
Bldg	Permit	Plan check	1601 1700 6 mo.	25.35
Bldg	Permit	Plan check	1701 1800 6 mo.	26.65
Bldg	Permit	Plan check	1801 1900 6 mo.	27.95
Bldg	Permit	Plan check	1901 2000 6 mo.	29.25
Bldg	Permit	Plan check	2001 3000 6 mo.	35.10
Bldg	Permit	Plan check	3001 4000 6 mo.	40.95
Bldg	Permit	Plan check	4001 5000 6 mo.	46.80
Bldg	Permit	Plan check	5001 6000 6 mo.	52.65
Bldg	Permit	Plan check	6001 7000 6 mo.	58.50
Bldg	Permit	Plan check	7001 8000 6 mo.	64.35
Bldg	Permit	Plan check	8001 9000 6 mo.	70.20
Bldg	Permit	Plan check	9001 10000 6 mo.	76.05
Bldg	Permit	Plan check	10001 11000 6 mo.	81.90
Bldg	Permit	Plan check	11001 12000 6 mo.	87.75
Bldg	Permit	Plan check	12001 13000 6 mo.	93.60
Bldg	Permit	Plan check	13001 14000 6 mo.	99.45
Bldg	Permit	Plan check	14001 15000 6 mo.	105.30
Bldg	Permit	Plan check	15001 16000 6 mo.	111.15
Bldg	Permit	Plan check	16001 17000 6 mo.	117.00

Bldg	Permit	Plan check	17001	18000 6 mo.	122.85
Bldg	Permit	Plan check	18001	19000 6 mo.	128.70
Bldg	Permit	Plan check	19001	20000 6 mo.	134.55
Bldg	Permit	Plan check	20001	21000 6 mo.	140.40
Bldg	Permit	Plan check	21001	22000 6 mo.	146.25
Bldg	Permit	Plan check	22001	23000 6 mo.	152.10
Bldg	Permit	Plan check	23001	24000 6 mo.	157.95
Bldg	Permit	Plan check	24001	25000 6 mo.	163.80
Bldg	Permit	Plan check	25001	26000 6 mo.	168.03
Bldg	Permit	Plan check	26001	27000 6 mo.	172.25
Bldg	Permit	Plan check	27001	28000 6 mo.	176.48
Bldg	Permit	Plan check	28001	29000 6 mo.	180.70
Bldg	Permit	Plan check	29001	30000 6 mo.	184.93
Bldg	Permit	Plan check	30001	31000 6 mo.	189.15
Bldg	Permit	Plan check	31001	32000 6 mo.	193.38
Bldg	Permit	Plan check	32001	33000 6 mo.	197.60
Bldg	Permit	Plan check	33001	34000 6 mo.	201.83
Bldg	Permit	Plan check	34001	35000 6 mo.	206.05
Bldg	Permit	Plan check	35001	36000 6 mo.	210.28
Bldg	Permit	Plan check	36001	37000 6 mo.	214.50
Bldg	Permit	Plan check	37001	38000 6 mo.	218.73
Bldg	Permit	Plan check	38001	39000 6 mo.	222.95
Bldg	Permit	Plan check	39001	40000 6 mo.	227.18
Bldg	Permit	Plan check	40001	41000 6 mo.	231.40
Bldg	Permit	Plan check	41001	42000 6 mo.	235.63
Bldg	Permit	Plan check	42001	43000 6 mo.	239.85
Bldg	Permit	Plan check	43001	44000 6 mo.	244.08
Bldg	Permit	Plan check	44001	45000 6 mo.	248.30
Bldg	Permit	Plan check	45001	46000 6 mo.	252.53
Bldg	Permit	Plan check	46001	47000 6 mo.	256.75
Bldg	Permit	Plan check	47001	48000 6 mo.	260.98
Bldg	Permit	Plan check	48001	49000 6 mo.	265.20
Bldg	Permit	Plan check	49001	50000 6 mo.	269.43

Bldg	Permit	Plan check	50001	51000	6 mo.	272.35
Bldg	Permit	Plan check	51001	52000	6 mo.	275.28
Bldg	Permit	Plan check	52001	53000	6 mo.	278.20
Bldg	Permit	Plan check	53001	54000	6 mo.	281.13
Bldg	Permit	Plan check	54001	55000	6 mo.	284.05
Bldg	Permit	Plan check	55001	56000	6 mo.	286.98
Bldg	Permit	Plan check	56001	57000	6 mo.	289.90
Bldg	Permit	Plan check	57001	58000	6 mo.	292.83
Bldg	Permit	Plan check	58001	59000	6 mo.	295.75
Bldg	Permit	Plan check	59001	60000	6 mo.	298.68
Bldg	Permit	Plan check	60001	61000	6 mo.	301.60
Bldg	Permit	Plan check	61001	62000	6 mo.	304.53
Bldg	Permit	Plan check	62001	63000	6 mo.	307.45
Bldg	Permit	Plan check	63001	64000	6 mo.	310.38
Bldg	Permit	Plan check	64001	65000	6 mo.	313.30
Bldg	Permit	Plan check	65001	66000	6 mo.	316.23
Bldg	Permit	Plan check	66001	67000	6 mo.	319.15
Bldg	Permit	Plan check	67001	68000	6 mo.	322.08
Bldg	Permit	Plan check	68001	69000	6 mo.	325.00
Bldg	Permit	Plan check	69001	70000	6 mo.	327.93
Bldg	Permit	Plan check	70001	71000	6 mo.	330.85
Bldg	Permit	Plan check	71001	72000	6 mo.	333.78
Bldg	Permit	Plan check	72001	73000	6 mo.	336.70
Bldg	Permit	Plan check	73001	74000	6 mo.	339.63
Bldg	Permit	Plan check	74001	75000	6 mo.	342.55
Bldg	Permit	Plan check	75001	76000	6 mo.	345.48
Bldg	Permit	Projecting sign/1st sq. ft, .40 ea. add.		6 mo.	15.00	
Bldg	Permit	Rainwater leader-10 stories		6 mo.	17.50	
Bldg	Permit	Rainwater leader-15 or more stories		6 mo.	17.50	
Bldg	Permit	Repairs over \$500, 17.50 ea. \$500		6 mo.	17.50	
Bldg	Permit	Repairs to existing burners (under \$500)		6 mo.	17.50	
Bldg	Permit	Replace water distribution piping or sys		6 mo.	17.50	
Bldg	Permit	Roof sign/1st sq. ft, .40 ea. add.		6 mo.	15.00	

Bldg	Permit	Rough in fixtures only	6 mo.	8.50
Bldg	Permit	Set fixtures	6 mo.	17.50
Bldg	Permit	Sewage ejector	6 mo.	17.50
Bldg	Permit	Sewer connection		17.50
Bldg	Permit	Solar heat exchanger	6 mo.	17.50
Bldg	Permit	State surcharge (no valuation)		0.50
Bldg	Permit	State surcharge/work with value(min. .50)		.0005xval.
Bldg	Permit	Storm sewer connection	6 mo.	17.50
Bldg	Permit	Sump or receiving tank	6 mo.	17.50
Bldg	Permit	Temporary Signs	1 wk.	25.00
Bldg	Permit	Vacuum breaker	6 mo.	17.50
Bldg	Permit	Wall/\$15 1st 100 sq ft., 4.25 ea. add 100	6 mo.	15.00
Bldg	Permit	Water connection charge	6 mo.	17.50
Bldg	Permit	Water meter, fire meter	6 mo.	17.50
Bldg	Permit	Water piping additional 100 lineal feet	6 mo.	17.50
Bldg	Permit	Water piping first 100 lineal feet	6 mo.	17.50
Bldg	Permit	Water reconnection charge	6 mo.	17.50
Bldg	Permit	Water treating or softening device	6 mo.	17.50
Bldg	Permit	Wrecking (minimum fee)	6 mo.	30.00
Engr	Other	Commission minutes		3.00
Engr	Other	Comp. plan		20.00
Engr	Other	Res. sewer rate per quarter (Sr. rate \$14)		24.00
Engr	Other	Res. water rate per 100 cu. ft.		0.72
Engr	Other	Special assessment search		10.00
Engr	Other	Street maps and reproductions (\$1-\$12)		1.00
Engr	Other	Zoning book		20.00
Engr	Permit	Conditional use		150.00
Engr	Permit	Daily hydrant use		20.00
Engr	Permit	Driveway, sidewalk, or curb & gutter const.		17.50
Engr	Permit	Grading permit		UBC Rate
Engr	Permit	Plat		75.00 Min. +25.00 per lot over 1 with 500.00 max.
Engr	Permit	Rezoning		150.00
Engr	Permit	Street excavation		17.50

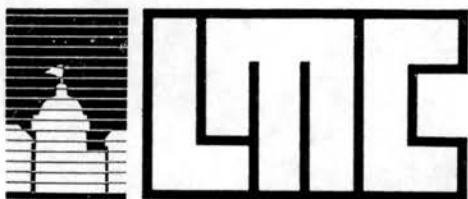
Engr	Permit	Subdivision/split		75.00 Residential;125.00 other uses
Engr	Permit	Variance		75.00
Fire	Other	Duplicate fire report	6 mo.	3.50
Fire	Permit	Vent hood cleaning (chg. per cleaning)		25.00
Hlth	License	600 Animal board	ea. day	6.50
Hlth	License	600 Animal impound	per impound	25.00
Hlth	License	600 Dog license/spayed or neutered		5.00
Hlth	License	600 Dog license/unaltered		10.00
Hlth	License	600 Food vehicle (catering)	12/31	110.00
Hlth	License	600 Food vehicle (fleet 5 or more trucks)	12/31	150.00
Hlth	License	600 Food vehicle (incl. bakery)	12/31	30.00
Hlth	License	600 Itinerant-ea. addn'l. day	1 day	12.00
Hlth	License	600 Itinerant-first day	1 day	30.00
Hlth	License	600 Kennel-commercial	12/31	50.00
Hlth	License	600 Kennel-private	12/31	50.00
Hlth	License	600 Lodging	12/31	90.00
Hlth	License	600 Lodging, charge per unit	12/31	2.50
Hlth	License	600 Lodging w/medication, additional	12/31	50.00
Hlth	License	600 Readily perishable food vehicles (ea. veh.	12/31	33.00
Hlth	License	600 Refuse vehicle company license	12/31	50.00
Hlth	License	600 Refuse vehicle-ea. vehicle	12/31	25.00
Hlth	License	600 Restaurant, bar, food, beverage/with QA	12/31	150.00
Hlth	License	600 Restaurant, bar, food, beverage/w/o QA	12/31	275.00
Hlth	License	600 Restaurant-additional facility, with QA	12/31	30.00
Hlth	License	600 Restaurant-additional facility, w/o QA	12/31	40.00
Hlth	License	600 Restaurant-plan review	12/31	50% lic.
Hlth	License	600 Retail, with QA	12/31	100.00
Hlth	License	600 Retail, w/o QA	12/31	190.00
Hlth	License	600 Retail-additional, with QA	12/31	30.00
Hlth	License	600 Retail-additional, w/o QA	12/31	40.00
Hlth	License	600 Retail-plan review	12/31	50% lic.
Hlth	License	600 Special food handling	12/31	35.00
Hlth	License	600 Special food handling, addn'l. locations	12/31	220.00

Hlth	License	600 Special food handling (Honor Snacks)	12/31	35.00
Hlth	License	600 Swim pool, indoor	4/30	175.00
Hlth	License	600 Swim pool, outdoor	4/30	125.00
Hlth	License	600 Vending-bulk	12/31	30.00
Hlth	License	600 Vending-nonperishable/1st machine	12/31	10.00
Hlth	License	600 Vending-nonperish/addn'l. mach., same loc.	12/31	5.00
Hlth	License	600 Vending-perishable	12/31	15.00
Hlth	Other	Well water samples		10.00
Park	Other	Adult fitness	Seasonal	18.00
Park	Other	Adult open basketball	Seasonal	24.00
Park	Other	Adult open volleyball	Seasonal	12.00
Park	Other	Adult tennis league	Seasonal	6.00
Park	Other	Adult tennis lessons	Seasonal	14.00
Park	Other	Adult unscheduled	Seasonal	Varies
Park	Other	Advanced gymnastics	Seasonal	24.50
Park	Other	Adv. life swimming lessons	Seasonal	26.00
Park	Other	Aerobic dance	Seasonal	18.00
Park	Other	Arts & crafts	Seasonal	4.00
Park	Other	Beginners gymnastics	Seasonal	11.50
Park	Other	Bridge lessons	Seasonal	5.00
Park	Other	Calligraphy	Seasonal	12.00
Park	Other	Community events	Seasonal	Varies
Park	Other	Courtesy bench		20.00
Park	Other	Co-rec softball league	Seasonal	Varies
Park	Other	Co-rec volleyball league	Seasonal	Varies
Park	Other	Crafts	Seasonal	Varies
Park	Other	Crystal frolics other	Seasonal	Varies
Park	Other	Crystal frolics softball	Seasonal	Varies
Park	Other	Crystal frolics tennis	Seasonal	6.00
Park	Other	Dance	Seasonal	14.50
Park	Other	Dance lessons	Seasonal	10.00
Park	Other	Day camp playgrounds	Seasonal	30.00
Park	Other	Discovery club	Seasonal	11.00

Park	Other	Drama	Seasonal	8.00
Park	Other	Floor hockey	Seasonal	10.00
Park	Other	Golf lessons	Seasonal	12.00
Park	Other	Greeting cards	Seasonal	6.00
Park	Other	Handicap activities	Seasonal	Varies
Park	Other	Intermediate gymnastics	Seasonal	19.00
Park	Other	Mens golf league	Seasonal	5.00
Park	Other	Mens softball league	Seasonal	Varies
Park	Other	Mens volleyball league	Seasonal	Varies
Park	Other	Misc. adult field trips	Seasonal	Varies
Park	Other	Movies	Seasonal	0.75
Park	Other	Neighborhood volleyball	Seasonal	10.00
Park	Other	Non-resident	Seasonal	Varies
Park	Other	Non-res. adult open basketball	Seasonal	27.00
Park	Other	Non-res. adult open volleyball	Seasonal	15.00
Park	Other	Non-res. adult tennis league	Seasonal	10.00
Park	Other	Non-res. adult tennis lessons	Seasonal	17.00
Park	Other	Non-res. crystal frolics tennis	Seasonal	9.00
Park	Other	Non-res. mens golf league	Seasonal	10.00
Park	Other	Non-res. sr. golf league	Seasonal	10.00
Park	Other	Non-srs. dance lessons	Seasonal	20.00
Park	Other	Non-srs. greeting cards	Seasonal	12.00
Park	Other	Non-srs. sketch & paint	Seasonal	32.00
Park	Other	Non-srs. stitch & sew	Seasonal	12.00
Park	Other	Open gym (charge per time)	Seasonal	4.00
Park	Other	Over 35 softball	Seasonal	Varies
Park	Other	Picnic pavillion		15.00
Park	Other	Pre-school gym & crafts	Seasonal	8.00
Park	Other	Private group useage	Seasonal	Varies
Park	Other	Puppetry	Seasonal	None
Park	Other	Red cross swimming lessons	Seasonal	14.00
Park	Other	Senior center dues		5.00
Park	Other	Senior class	Seasonal	Varies

Park	Other	Senior drop-in center	Seasonal	None
Park	Other	Senior fitness	Seasonal	8.00
Park	Other	Senior trips	Seasonal	Varies
Park	Other	Silk flowers	Seasonal	12.00
Park	Other	Skating lessons	Seasonal	6.50
Park	Other	Sketch & paint	Seasonal	16.00
Park	Other	Special events	Seasonal	Varies
Park	Other	Special interest groups	Seasonal	None
Park	Other	Special swimming lessons	Seasonal	14.00
Park	Other	Spec. lessons swimming lessons	Seasonal	12.00
Park	Other	Sr. golf league	Seasonal	5.00
Park	Other	Stitch & sew	Seasonal	6.00
Park	Other	Swimming pool admission	1 day	2.00
Park	Other	Swimming pool admission(family/single)	Season	36/23
Park	Other	Swim. pool adm.(family/single) non res.	Season	45/28
Park	Other	Teens	Seasonal	Varies
Park	Other	Tots gymnastics	Seasonal	10.50
Park	Other	Tots playgrounds	Seasonal	8.00
Park	Other	Trips playgrounds	Seasonal	0.75
Park	Other	Walk	Seasonal	5.00
Park	Other	Warming house	Seasonal	None
Park	Other	Womens softball league	Seasonal	Varies
Park	Other	Womens volleyball leagues	Seasonal	Varies
Park	Other	Youth art	Seasonal	8.00
Park	Other	Youth baseball	Seasonal	12.00
Park	Other	Youth basketball	Seasonal	13.00
Park	Other	Youth basketball, junior high	Seasonal	15.00
Park	Other	Youth flag football	Seasonal	12.00
Park	Other	Youth hockey	Seasonal	26.00
Park	Other	Youth soccer	Seasonal	12.00
Park	Other	Youth softball	Seasonal	12.00
Park	Other	Youth softball, junior high	Seasonal	18.00
Park	Other	Youth softball, senior high	Seasonal	18.00

Park	Other	Youth special events	Seasonal	Varies
Park	Other	Youth tennis leagues	Seasonal	20.00
Park	Other	Youth tennis lessons	Seasonal	10.00
Park	Other	Youth unscheduled	Seasonal	Varies
Park	Other	Youth wrestling	Seasonal	15.00
Plce	Other	Copy of record (1st page)		5.00
Plce	Other	Copy of record (each additional page)		0.50
Plce	Other	False alarms (10-15 per year)		100.00
Plce	Other	False alarms (15 or more per year)		150.00
Plce	Other	False alarms (3-10 per year)		50.00



League of Minnesota Cities

183 University Ave. East
St. Paul, MN 55101-2526
(612) 227-5600 (FAX: 221-0986)

November 8, 1989

Betty Herbes
Mayor
4141 Douglas Drive N.
Crystal, MN 55422

Dear Mayor Herbes:

There has been some discussion of the fees charged by the League for various services to the League of Minnesota Cities Insurance Trust (LMCIT). Because some of the information being circulated to cities is not completely accurate, I believe that, as League president, I should communicate the facts to every League member.

First, what is the present situation with League fees for services to LMCIT? The League has an agreement with insurance trust which specifies that LMCIT pays LMC for all direct costs attributable to the operation of LMCIT. As the agreement on League costs was developed, the League board realized the value of certain services provided to LMCIT were difficult to assign a direct cost figure. After considerable discussion by the League board and the LMCIT trustees, the board concluded that a fee of 1.5 percent of the premium volume for the property casualty and the workers' compensation program would be appropriate. This fee went into effect on January 1, 1989.

The League board did not arrive at this decision suddenly or without considerable discussion. The question of a fee of this type was considered by the 1986 Dues and Services Committee. That Committee recommended that the League collect an additional fee from LMCIT. The issue was further considered by the League budget committees in 1987 and 1988. These committees recommended a fee of this type. The League board considered the matter on more than three occasions and the issue was before the LMCIT trustees at least three times as well. Finally, the board asked a special "blue ribbon" committee to review the matter before final action was taken. Each of these broadly representative committees supported the additional fee.

The board has received several resolutions adopted by city councils suggesting this fee be reviewed. The board has directed the League meet with the first city which adopted such a resolution to discuss the issue. That meeting has been set for later this month.

This issue also arose at the August meeting of the Coalition of Greater Minnesota Cities. A resolution on this subject was offered during that meeting for consideration but it was withdrawn after I suggested that

we discuss the issue before putting everyone in a corner on the question. After that meeting, I held a meeting with the authors of the resolution.

In reviewing the resolutions passed by the cities and offered at the Coalition meeting, I believe some issues need clarification. The resolutions suggest that the League/LMCIT fee is an "excess profits tax". This is not the case. LMCIT has no profits. Any funds not used to pay claims, reserved for future claims, or to pay for the operation of LMCIT are returned to the LMCIT members. The trustees, in fact, voted to return \$7,000,000 at their October meeting. This means that LMCIT has returned \$15,000,000 to members over the past three years.

What does the 1.5 percent fee cover and why is it hard to calculate an exact cost for League services? Consider how difficult it is to answer the following questions: How valuable to the LMCIT are the retention of the statutory limits on municipal liability? How valuable to LMCIT is the tort reform act which materially limited tort claims against cities? How valuable to LMCIT are many of the briefs filed at the Minnesota Court of Appeals and the Supreme Court on issues affecting municipal liability and personnel management issues? And, how valuable to LMCIT is the lobbying which the League conducts on personnel and management issues at the Legislature and with the Governor? How valuable to LMCIT was League sponsorship and endorsement when LMCIT was established? And, how valuable to LMCIT was the three years of staff and board work which the League undertook to establish LMCIT? How valuable to LMCIT is the promotion of the insurance trust through articles in Minnesota Cities magazine? And, how valuable to LMCIT is the preparation of press releases and other promotional materials? Finally, how valuable is it to LMCIT to provide promotional materials and programs to city officials at the LMC annual meetings, regional meetings, and other meetings? These League services are unreimbursed by LMCIT and an exact valuation is difficult, if not impossible to achieve.

How does LMCIT pay for the services it receives? LMCIT pays North Star Risk Services 12 percent of casualty program's premium volume for its services in managing the program. Employee Benefit Administration (EBA) is paid 9.4 percent of the workers compensation premium volume for similar services with respect to this program. This is a customary method of paying for some services and value received by LMCIT.

Is the LMCIT fee structure unique? Is it unusual for LMCIT to pay a percentage of premium volume for the value it receives? No, it is not. A number of state municipal leagues sponsor pooled self insurance programs. Most charge a flat fee for these same kind of services and most charge more than 1.5 percent of premium volume.

The LMCIT trustees suggested the proceeds from this fee be placed in a special account and not be combined with the League's general fund.

The League board agreed with the trustees and established a separate account which would finance projects undertaken with the proceeds from the fee. A special committee representing the broad spectrum of the membership was created to advise the board on what projects should be funded and to review proposed budgets. Based on this committee's work, the board approved funding for three projects. The projects are a property tax analysis project; an economic development information project; and a personnel information project.

The project which has caused the most discussion is the property tax analysis project. Some cities have suggested that the League should not undertake this project because the Coalition of Greater Minnesota Cities already has developed a property tax model and the League project might be used against the interests of the cities who supported this research. In a meeting with representatives from some of the Coalition's cities, I pointed out that the League will establish an advisory committee to the property tax analysis project. I also indicated the committee would be appointed immediately so the project would be monitored by representatives from all interested cities as the work develops.

The League board also discussed this issue extensively. The board concluded that there ought to be an objective, unbiased property tax research capability which belongs to all of Minnesota's cities. The board hopes that other groups of cities will benefit from the League capability and, perhaps, be able to diminish expenditures on independent systems.

The other two projects also rely upon extensive data collection and should provide beneficial products to Minnesota cities. The economic development/tax increment project will seek to develop extensive information on various economic development and redevelopment tools, such as tax increment finance and the use of bond allocation authority. Tax increment financing has been the subject of extensive criticism by the Legislature for the past four legislative sessions. Sound information concerning TIF projects is needed to document cities proper use of TIF and to guard against further restrictions on this vital development tool.

The personnel information system will collect and analyze information on municipal employment. It will provide an automated wages and benefits information database which is current throughout the year. This will assist cities in establishing appropriate compensation arrangements for municipal employees and serve as a basis for research on municipal compensation. As we all know, current information and research is fundamental to influencing the legislative process.

The budget for these "special projects" in their first year, which was supported by the proceeds of the LMCIT fee, was \$387,000. During the first full year of fee collection, the budget will be \$554,000.

November 14, 1989
Page 4

The three projects are proposed to continue at that funding level for the next three years, at which time these special projects will be subject to board review.

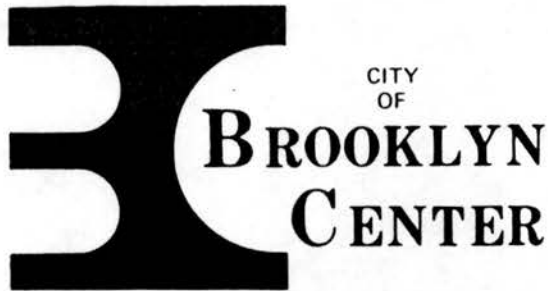
I believe the League board has acted responsibly in dealing with both the institutional fee and the expenditures of its proceeds. The process has been a slow and deliberative one spanning over two years. A broad spectrum of opinion and a great quantity of analysis was considered as we proceeded. We are available to continue to work with the cities and to support quality services for our members.

Please consider the information I have provided you. The board is laboring earnestly to produce programs which will benefit all of our members through equitable policies. With the League, what you see is what you get. There are no hidden agendas. The entire program remains in the firm control of representatives of all of the cities in Minnesota under whose leadership we seek the best solutions for all.

Sincerely,

A handwritten signature in cursive script that reads "Millie MacLeod".

Millie MacLeod
LMC President
Councilmember, City of Moorhead



6301 SHINGLE CREEK PARKWAY
BROOKLYN CENTER, MINNESOTA 55430
TELEPHONE 561-5440
EMERGENCY - POLICE - FIRE
911

TO: Mayors of Minnesota Cities
FROM: Dean A. Nyquist, Brooklyn Center Mayor *DAN*
DATE: October 13, 1989
SUBJECT: Imposition of an Institutional Fee by the League of Minnesota Cities on the League of Cities Insurance Trust

Attached please find a copy of a resolution passed by the City of Brooklyn Center objecting to the institutional fee charged by the League of Minnesota Cities (LMC) to the League of Minnesota Cities Insurance Trust (LMCIT).

Some of you may be aware of this institutional fee and others may not. If you examine the founding documents of the LMCIT, you will find its purpose was and is to obtain insurance coverage at reasonable cost and join together with other cities to provide that service. It also provided that should there be monies in excess of the needs of the LMCIT, it should be returned to the members of the LMCIT. It should also be noted the LMCIT has consistently marketed itself as returning excess monies as dividends to member cities. From its inception in 1980 until 1988, the LMCIT operated within those guidelines. In 1988 the LMC and the LMCIT entered into a management service agreement which, for the first time, instituted a 1.5% institutional fee based on the gross premiums of workers' compensation and property/casualty programs of the LMCIT. From my perspective, this is not a proper expenditure by the LMCIT as the monies paid to the LMC as an institutional fee should have been paid to the members of the LMCIT.

In the last two years the institutional fee has amounted to \$425,000 in the 1988-89 fiscal year and \$584,000 in 1989-90. The LMC has used these funds for property tax computer modeling, tax increment financing project, and the League's personnel project. These are legitimate League of Cities' activities. However, our objection is to the matter in which they are being financed. If these projects are needed, and they well might be, then we believe they should go through the LMC dues funding process, not



Mayors of Minnesota Cities

-2-

October 13, 1989

a special "tax or institutional fee" on the LMCIT membership. The membership of the LMC is larger than the membership of the LMCIT and, as a result, some LMC member cities receive benefits without sharing in their cost. Cities who have joined the LMCIT to save money on insurance costs are now financing League programs through this "institutional fee".

Brooklyn Center is asking other cities to join it in passing resolutions, similar to the one attached, which calls for the LMC to stop this practice and reimburse the LMCIT for previous "institution fees" paid. Should you have any questions or other concerns, please contact me or Jerry Splinter, Brooklyn Center City Manager, at 612-561-5440.

Enc.

Member Celia Scott introduced the following resolution and moved its adoption:

RESOLUTION NO. 89-175

RESOLUTION OPPOSING THE IMPOSITION OF AN INSTITUTIONAL FEE
BY THE LEAGUE OF MINNESOTA CITIES UPON THE LEAGUE OF MINNESOTA CITIES
INSURANCE TRUST

WHEREAS, The League of Minnesota Cities' Insurance Trust was created under the authority of the joint Powers Act, M.S. 471.59 in 1980 to provide a means through which cities can cooperate to obtain the insurance coverage they need at a reasonable cost; and

WHEREAS, the League of Minnesota Cities Insurance Trust (LMCIT) is governed by a five member board of trustees appointed by the League of Minnesota Cities (LMC); and

WHEREAS, Article VI. of the LMCIT Insurance Trust Agreement established a fund into which all of the Trust's income is to be deposited and which is used to pay the expenses of operating LMCIT's risk protection programs, including administrative, legal, and other expenses; and

WHEREAS, Article VI. directs that any excess in the fund be returned to the individual LMCIT members and that each member's refund will be determined on the basis of (1) the total amount paid by the member to the Trust; and (2) to the extent that the trustees decide it is advisable, the member's individual loss experience; and

WHEREAS, since the beginning of LMCIT's insurance program, brochures and other marketing tools promoting the insurance program, as well as frequent articles in the Minnesota Cities' magazine, have consistently stated that, if premiums exceed what is needed to fund losses and expenses, the only thing which can be done with the surplus is to return the money to the cities; and

WHEREAS, many cities bought into the program with confidence that this promise would be kept; and

WHEREAS, since the creation of LMCIT by LMC, LMC has been, and continues to be, reimbursed by LMCIT for LMC cost of administering the insurance program. Such costs include personnel, overhead, direct costs, and pro-rated expenses; and

WHEREAS, the trustees of LMC and LMCIT did, in 1988, enter into a management services agreement which, for the first time, included an institutional charge of 1.5% of the gross premiums of the LMCIT workers compensation and property/casualty programs to "constitute reimbursement to LMC for the use by LMCIT of LMC's name, good will, reputation, municipal and legislative expertise, and organizational capacity"; and

WHEREAS, this charge is in addition to other reimbursed costs; and

RESOLUTION NO. 89-175

WHEREAS, the LMC has transferred, or will transfer, the amounts of \$425,226 for fiscal year 1988-89 and \$584,466 for fiscal year 1989-90 and LMC subsequently appropriated \$387,292 and \$554,019 respectively of the transfers in fiscal years 1988-89 and 1989-90 to the LMC special projects budgets to fund a property tax model, a tax increment financing project, and a personnel project; and


WHEREAS, the City Council of the City of Brooklyn Center has determined that the institutional fee is an inappropriate profit taking by the LMC, particularly in light of representations which have been made to the members that all unused funds will be rebated to LMCIT members, and questions the appropriateness of raising funds from LMCIT members to pay for expenses and programs of the LMC for which they are already paying dues, thereby in effect penalizing LMCIT members by requiring them to pay a disproportionate share of the costs of projects approved in the LMC special projects budget solely because they are participants in the LMCIT.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Brooklyn Center to request the trustees of the League of Minnesota Cities and the League of Minnesota Cities Insurance Trust to remove the institutional charge from the management services agreement and for LMC to return to LMCIT all funds transferred for institutional charges; and

BE IT FURTHER RESOLVED that the City Clerk be directed to forward a copy of this resolution to the trustees of the LMC and the LMCIT.

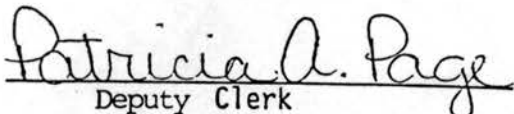
September 11, 1989

Date



Mayor

ATTEST:


Deputy Clerk

The motion for the adoption of the foregoing resolution was duly seconded by member Todd Paulson, and upon vote being taken thereon, the following voted in favor thereof: Dean Nyquist, Celia Scott, Todd Paulson, Jerry Pedlar, and Philip Cohen; and the following voted against the same: none, whereupon said resolution was declared duly passed and adopted.

DATE: November 15, 1989
TO: Jerry Dulgar, City Manager
FROM: Bill Monk, City Engineer
SUBJECT: Twin Lakes/Ryan Lake Outlet Modification

In 1984, nine cities with land tributary to the Shingle Creek Watershed entered into a joint powers agreement and formed the Shingle Creek Watershed Management Commission (SCWMC) to plan for and regulate water-related issues within the Shingle Creek Watershed. The first order of business for the Commission, which has one representative from each City, was to prepare a watershed management plan as required by the MN Metropolitan Surface Water Management Act of 1982.

It was during preparation of the management plan that the 100-year flood stage for the Twin/Ryan Lake basin was studied in detail. Forty-seven (47) residential buildings as well as numerous other structures, such as parking lots and streets, were found to be below the flood stage elevation. Additionally, the release of flood waters through the existing outlets is so slow that recovery of flooded properties/structures can take as long as 24 days.

For this reason the Watershed Commission initiated a study of the situation in relation to potential outlet modifications. The study was also timely in relation to plans by the City of Minneapolis to expand a downstream storm sewer in 1990 that carries lake outflow.

The specifics of the outlet situation are detailed in the attached feasibility study prepared by JMM Consulting Engineers. The recommended improvements included enlarging both the Twin Lake outlet at France Avenue and the Ryan Lake outlet at the Soo Line RR. While an expansion of a storm sewer in Minneapolis is also required as a part of the project, the Watershed Commission is only responsible for oversizing costs beyond those currently proposed by Minneapolis.

The larger outlets lower the 100-year flood stage by approximately one foot and reduce the time period for which the lakes are at flood levels. It is important to note that the improvements as proposed do not involve any change to the structure run out elevations and will not affect the low lake water levels.

Total costs for the outlet improvement project are estimated at \$153,900. Based on provisions of the joint powers agreement costs are proposed to be distributed back to the six Cities tributary to the lake basin. Fifty percent of the cost participation be based on land area and half on the tax

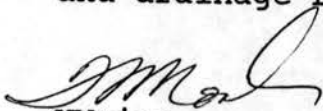
Jerry Dulgar
November 15, 1989
Page 2

capacity (assessed valuation) of that same area. This formula sets Crystal's share at \$48,324 due to the large area we have tributary to the lakes.

This project represents the only water quantity improvement meriting Commission consideration in this portion of the watershed. While Crystal property owners have not been impacted by high water/flood conditions in recent years, buildings in Crystal would be seriously impacted if flood levels of 956.0 were reached. The level of risk and impact by flood conditions are significantly reduced for lakeshore residents in Crystal, Robbinsdale and Brooklyn Center as well as further downstream in Minneapolis as a result of this project.

I am in favor of proceeding with this project as a Commission endeavor. While the City Council is not required to take formal action, their comments and concerns are important in terms of Crystal's vote on this issue. Further, to insure property owners along the lake are informed about the proposed project, said owners will be sent a copy of this memo and invited to attend an informational meeting on this matter in early December.

In terms of financing this project should it be approved by the Commission, a recommendation would be forthcoming to allocate funds from the Infrastructure Fund which currently has a balance of \$500,000. This funding method is appropriate in that the fund was established to deal with street and drainage related problems.



WM:jrs


Encls

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION

3030 Harbor Lane • Plymouth, MN 55441
(612) 553-1144

October 27, 1989

To: Member Cities
Shingle Creek Watershed
Management Commission

Fr: Neil M. Johnson, Chairman 

Enclosed you will find a copy of a resolution and a Notice of Hearing relating to the first capital improvement proposed by the Shingle Creek Watershed Management Commission. The hearing will be held December 14, 1989. If you have preliminary questions, I suggest you confer with your representative on the Commission.

The Commission has adopted a policy relating to capital improvement cost distribution. We have determined that the cost of improvements will be assessed against subdistricts within the watershed.

The hearing on December 14, 1989, will decide:

1. If we wish to proceed with the improvements as proposed.
2. The allocation of the cost distribution between member cities by percentage of the cost of the improvements.
3. The designation of an engineer to prepare plans and specifications.
4. The designation of the member city who will contract to construct the improvements.

Thank you for your cooperation in helping this Commission carry out its mandate in a very important area.

NMJ:ja

Encls.

RESOLUTION RECEIVING THE TWIN LAKES/RYAN LAKE OUTLET
MODIFICATIONS FEASIBILITY STUDY REPORT
AND CALLING FOR A HEARING ON THE IMPROVEMENTS

WHEREAS, the Shingle Creek Watershed Management Commission ordered James M. Montgomery Engineers to prepare a feasibility study report to consider improvements to the Twin Lakes/Ryan Lake Outlet, and

WHEREAS, Montgomery has prepared a report dated June 8, 1989 with recommended improvements that if constructed are estimated to cost \$153,900.00, and

WHEREAS, Article VII, subd. 4 of the Joint Powers Agreement requires a public hearing before the improvement can be ordered,

NOW, THEREFORE, BE IT RESOLVED, by the Shingle Creek Watershed Management Commission, as follows:

1. The Commission will consider the improvements proposed for the Twin Lakes/Ryan Lake Outlet as presented in the feasibility study report dated June 8, 1989, and will consider the apportionment of costs in accordance with the Joint Powers Agreement and the Capital Improvement Policy relating to cost allocation. The estimated cost of the improvement is \$153,900.00 and it is proposed that the cost of said improvement will be allocated to Brooklyn Center, Brooklyn Park, Crystal, Minneapolis, New Hope, and Robbinsdale.

2. A public hearing for the nine member cities shall be held on the proposed improvements on the 14th day of December, 1989, at the Edinburgh USA, Saint Andrews Club, 8700 Edinbrook Crossing, Brooklyn Park, MN at 1:30 o'clock p.m. The Secretary of the Commission shall give mailed notice to the City Clerk of each member municipality and the mailed notice shall be made not less than 45 days before the hearing and shall state the time and place of the hearing, the general nature of the improvements, the estimated total cost, and the estimated cost to each member municipality.

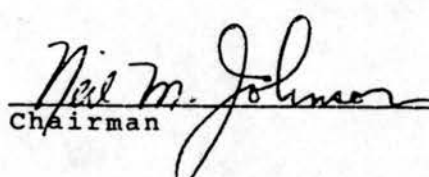
Commissioner Gustafson moved the adoption of the above resolution. Commissioner Knapp seconded the motion.

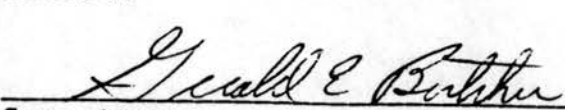
Upon vote being taken, the following voted in favor thereof: Knapp, Johnson, Butcher, Hanson, Hakanson, Moore and Gustafson, and the following voted against the same: none.

Whereupon said resolution was declared duly passed and adopted.

Dated: October 12, 1989.

Attest:


Chairman


Secretary

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION

3030 Harbor Lane • Plymouth, MN 55441
(612) 553-1144

NOTICE OF HEARING

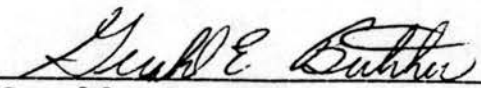
TWIN LAKES/RYAN LAKE OUTLET MODIFICATION IMPROVEMENTS

On December 14, 1989, at 1:30 o'clock p.m. at the Edinburgh USA, Saint Andrews Club, 8700 Edinbrook Crossing, Brooklyn Park; Minnesota, the Shingle Creek Watershed Management Commission will conduct a public hearing pursuant to Article VII, Subdivision 4, of the Joint Powers Agreement.

The Commission will consider the improvements proposed for the Twin Lakes/Ryan Lake Outlet as presented in the feasibility study report dated June 8, 1989, which recommended that capital improvements are needed to accomplish the Commission's goals of increasing the low flow capacity of the Twin Lakes Outlet at France Avenue and reducing the 100-year flood elevations in Ryan Lake, and will consider apportionment of costs in accordance with the Joint Powers Agreement and the Capital Improvement Policy relating to cost allocation. The estimated cost of the improvement is \$153,900.00, and it is proposed that the cost of the improvements will be allocated to the Subdistrict area lying within the cities of Brooklyn Center, Brooklyn Park, Crystal, Minneapolis, New Hope, and Robbinsdale as follows:

	Cost Allocation Based on Area		Cost Allocation Based on Tax Capacity		Total Cost	
	%	\$	%	\$	%	\$
Brooklyn Center	8.8	\$ 6,772	7.0	\$ 5,387	7.9	\$ 12,159
Brooklyn Park	12.7	9,773	11.4	8,772	12.1	18,545
Crystal	35.3	27,163	27.5	21,161	31.4	48,324
Minneapolis	7.1	5,463	9.1	7,003	8.1	12,466
New Hope	15.3	11,773	21.4	16,467	18.3	28,240
Robbinsdale	20.8	16,006	23.6	18,160	22.2	34,166
TOTALS	100.0	\$76,950	100.0	\$76,950	100.0	\$153,900

The Commission will hear representatives of any member municipalities who wish to comment on the proposed Twin Lakes/Ryan Lake Outlet Modification Improvements. Comments may be made orally or in writing.


Gerald E. Butcher
Secretary
Shingle Creek Watershed Management Commission

Dated: October 27, 1989



SHINGLE CREEK WATERSHED

Shingle Creek Watershed Management Commission

Feasibility Study Report

Twin Lakes/Ryan Lake Outlet Modifications

June 1989

JMM James M. Montgomery
Consulting Engineers Inc.



545 Indian Mound
Wayzata
Minnesota 55391

JMM James M. Montgomery
Consulting Engineers, Inc.

October 23, 1989



Commissioners
Shingle Creek Watershed Management Commission
3030 Harbor Lane
Plymouth, MN 55447

Attention: Neil Johnson, Chairman

Project: Twin Lakes/Ryan Lake Outlet Modifications
Feasibility Study

Subject: Submittal of Final Report

Gentlemen:

Transmitted herewith is the Final Report for the Twin Lakes/Ryan Lake Outlet Modifications Feasibility Study. This report was ordered by the Commission on May 4, 1989. Resolutions requesting the Commission to prepare a feasibility study were approved by the City Councils of Brooklyn Center, Crystal and Robbinsdale. Copies of the resolutions are included in Appendix A of this report.

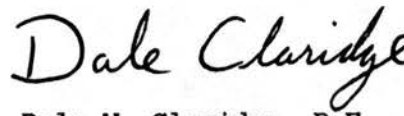
A draft report was presented to the Commission on June 8, 1989. Revisions have been made to the report as directed by the Commission. In addition, the resolution adopted by the City of Brooklyn Park agreeing to pay the costs for construction of the weir at France Avenue and any right-of-way costs that may be required has been included in the Final Report as Appendix C.

The report describes improvements for outlet modifications to the Twin Lakes Outlet at France Avenue and the Ryan Lake Outlet located in the northeast corner of Ryan Lake. In 1986, the Commission began studying ways to increase low flow capacity of Twin Lakes and reduce 100-year flood elevations in Ryan Lake. The report also presents estimated costs for the improvements and a cost-sharing analysis for District C communities.

Should you have any questions or comments on the Final Report, please contact us at 473-4224.

Sincerely,


William D. Weidenbacher, P.E.
Principal Engineer


Dale W. Claridge, P.E.
Project Engineer

cml
Enclosure

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION

FEASIBILITY STUDY REPORT
ON
TWIN LAKES/RYAN LAKE OUTLET MODIFICATIONS

June 8, 1989

Project No.'s 2405.0021
2405.0033

Prepared by:

James M. Montgomery, Consulting Engineers, Inc.
545 Indian Mound
Wayzata, Minnesota 55391

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.


William D. Weidenbacher, P.E.

6/8/89
Date

8968
Registration No.

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION

Commissioners

Sy Knapp	Brooklyn Center
Neil Johnson	Brooklyn Park
William Monk	Crystal
Gerry Butcher	Maple Grove
Marvin Hoshaw	Minneapolis
Mark Hanson	New Hope
Eugene Hakanson	Osseo
Fred Moore	Plymouth
Lee Gustafson	Robbinsdale

Administration

Curt Pearson	Legal Counsel
Judie Anderson	Recording Secretary

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William Monk	Crystal
Perry Damon	Minneapolis
Milt Christensen	Minneapolis
Mark Hanson	New Hope
Lee Gustafson	Robbinsdale

TABLE OF CONTENTS

	<u>Page</u>
CONCLUSIONS	1
RECOMMENDATIONS	3
INTRODUCTION	6
OBJECTIVE	6
EXISTING DRAINAGE SYSTEM	9
TWIN LAKES OUTLET MODIFICATION	13
RYAN LAKE OUTLET MODIFICATION	19
RYAN CREEK CHANNEL/PIPE CAPACITY ANALYSIS	22
PROPOSED IMPROVEMENTS BY MINNEAPOLIS	25
RYAN LAKE OUTLET AND CHANNEL IMPROVEMENTS	27
COST-SHARING ANALYSIS	29

LIST OF TABLES

TABLE 1 - Results of Hydraulic Analysis for Twin Lakes Outlet Modification - 1-Year Storm	15
TABLE 2 - Preliminary Engineer's Cost Estimate for Twin Lakes Outlet Modification - Option 1	16
TABLE 3 - Preliminary Engineer's Cost Estimate for Twin Lakes Outlet Modification - Option 2	18
TABLE 4 - Results of Hydraulic Analysis for Ryan Lake Outlet Modification - 100-Year Storm	21
TABLE 5 - Preliminary Engineer's Cost Estimate for Ryan Lake Outlet Modification	28

LIST OF FIGURES

	<u>Page</u>
FIGURE 1 - Project Study Area	8
FIGURE 2 - Twin Lakes/Ryan Lake Drainage Area	11
FIGURE 3 - Ryan Creek Drainage System	12
FIGURE 4 - Flooding Resulting When Capacity of 48-Inch RCP is Exceeded	24
FIGURE 5 - Capital Improvement District C	30

APPENDICES

- APPENDIX A - Resolutions adopted by the cities of Brooklyn Center, Crystal, and Robbinsdale requesting the SCWMC to prepare a feasibility study for the Twin Lakes/Ryan Lake Outlet Modification
- APPENDIX B - Cost estimate prepared by Minneapolis to increase the size of the proposed storm sewer enclosure of Ryan Creek from a 54-inch pipe to a 60-inch pipe
- APPENDIX C - Resolution adopted by Brooklyn Center agreeing to pay the cost for construction of the weir at France Avenue and any right-of-way costs that may be required

CONCLUSIONS

The purpose of this study is to determine which combination of structure modifications to the Twin Lakes Outlet at France Avenue and the Ryan Lake Outlet will result in the most desirable alternatives to increase the low flow capacity of Twin Lakes and reduce 100-year flood elevations in Ryan Lake.

If a larger outlet is provided at France Avenue, the time necessary for lake levels in Twin Lakes to recede during a 1-year frequency storm will be significantly reduced.

The outlet of Ryan Lake located under the Soo Line railroad tracks controls water levels in the Twin Lakes/Ryan Lake Basin during a 100-year frequency storm. If a larger outlet is provided from Ryan Lake, the peak elevation will be lowered. As a result, the number of low-lying structures that would experience flooding during a 100-year storm will be reduced.

Under existing conditions, the downstream capacity of the 48-inch RCP storm sewer between Russell and Oliver Avenues is inadequate to contain 100-year peak discharges from Ryan Lake. Flooding occurs at the intersection of Russell and 49th Avenue resulting in minor flooding of front yards and the parking lot on the south side of 49th Avenue. Stormwater eventually overflows to the east down 49th Avenue and drains to the larger 60-inch RCP storm sewer at Oliver Avenue. If a larger outlet is provided from Ryan Lake, the peak flows downstream in Ryan Creek will be increased. However, the resulting increase in flood levels at the intersection of 49th and Russell will be insignificant (as compared to existing conditions) due to the overflow capacity of 49th Avenue.

The City of Minneapolis is proposing to bypass the existing 48-inch RCP by constructing a 54-inch RCP to increase the flow capacity of the storm sewer. The existing 48-inch RCP will be connected to the proposed 54-inch RCP and utilized as a relief drain if necessary. The proposed 54-inch RCP will accommodate 100-year peak discharges from the existing 36-inch RCP outlet at Ryan Lake as well as peak discharges from a proposed 42-inch or 48-inch RCP equivalent outlets. If the proposed storm sewer is increased to a 60-inch RCP, it will have adequate capacity to handle 100-year peak discharges from Ryan Lake with a proposed 54-inch RCP equivalent outlet. The 54-inch RCP equivalent was the largest outlet size considered for Ryan Lake since the existing outfall to Ryan Creek is a 54-inch RCP under T.H. 152.

On January 12, 1989, the Commission adopted a resolution defining districts within the Shingle Creek Watershed and establishing a capital improvement policy. The proposed improvements to the Twin Lakes Outlet, Ryan Lake Outlet, and Ryan Creek are located within District C which includes the communities of Brooklyn Center, Brooklyn Park, Crystal, Minneapolis, New Hope, and Robbinsdale. District C communities will be responsible for all capital improvement costs as outlined in the cost-sharing analysis section of this report.

RECOMMENDATIONS

The results of this study indicate that capital improvements are needed to accomplish the Commission's goals of increasing the low flow capacity of the Twin Lakes Outlet at France Avenue and reducing the 100-year flood elevations in Ryan Lake.

The proposed improvements as outlined in the report are feasible as they relate to general engineering principles and construction procedures.

It is recommended that:

1. The Feasibility Study Report as presented herein be adopted by the Shingle Creek Watershed Management Commission.
2. The low flow capacity of the Twin Lakes Outlet at France Avenue be increased by replacing the existing 48-inch RCP culvert with a 6'x4' concrete box culvert at a lower elevation and installing 20-foot long concrete weir upstream to maintain the existing runout elevation.

Estimated Cost: Box Culvert \$47,200

Weir \$ 700

3. The projected 100-year flood elevations in the Twin Lakes/Ryan Lake Basin be lowered by increasing the flow capacity of the existing 36-inch RCP outlet from Ryan Lake. Install a 30-inch RCP alongside the existing outlet pipe at the same runout elevation (54-inch RCP equivalent); clean out the existing 54-inch RCP outfall to Ryan Creek under T.H. 152; and perform channel excavation along Ryan Creek to lower the channel bottom grade and improve hydraulic capacity of the channel.

Estimated Cost: \$70,000

4. If the City of Minneapolis proceeds with the proposed storm sewer enclosure of Ryan Creek along 49th Avenue North which is scheduled for 1990, that the pipe size be increased from a 54-inch RCP to a 60-inch RCP. The Commission shall be responsible for the additional costs associated with the pipe size increase. These additional costs are outlined in the cost estimate prepared by Minneapolis and are included in Appendix B of the report.

Estimated Cost: \$36,700

5. The above recommended capital improvements, with the exception of the concrete weir at France Avenue, be considered 100-year storm improvements that benefit all District C communities. The Commission shall be responsible for all costs associated with these 100-year storm improvements based on the 50/50 formula (area/tax capacity) as outlined in the resolution adopted by the Commission defining districts within the Shingle Creek Watershed and establishing a capital improvement policy. As presented in the cost-analysis section of the report, the cost allocation for each District C community to fund the capital improvement costs for the 100-year storm improvements are as follows:

Brooklyn Center	\$ 12,159
Brooklyn Park	18,545
Crystal	48,324
Minneapolis	12,466
New Hope	28,240
Robbinsdale	<u>34,166</u>
Total	\$153,900

6. The concrete weir at France Avenue, designed to provide additional low flow capacity while maintaining the existing runout elevation of Twin Lakes, be considered a local improvement benefitting the City of Brooklyn Center. Brooklyn Center shall be responsible for the costs of the weir (\$700) and any right-of-way costs that may be required. The Brooklyn Center City Council adopted a resolution on June 26, 1989 wherein Brooklyn Center agrees to pay the costs for construction of the weir and any right-of-way costs. A copy of the resolution is included in Appendix C of this report.
7. The additional 30-inch RCP recommended at the outlet of Ryan Lake be bulkheaded if installed prior to the downstream improvements along Ryan Creek being in place.

INTRODUCTION

A hydraulic analysis on Twin Lakes/Ryan Lake was undertaken by the Commission in 1986 during the 509 planning process to address concerns regarding recent high water levels maintained in Twin Lakes after significant rainfall events. During periods of low flow such as a 1-year frequency storm, the 48-inch RCP culvert under France Avenue controls the flow from Twin Lakes (see Figure 1). It was determined from the 1986 study that if a larger structure was placed at France Avenue, the time it takes for lake levels in Twin Lakes to recede during a 1-year frequency storm would be significantly reduced. During larger rainfall events such as 100-year frequency storm, the smaller 36-inch RCP culvert at the outlet of Ryan Lake was determined to control the water levels in the Twin Lakes/Ryan Lake Basin. The 100-year flood elevation projected by computer simulation methods would result in lake levels which would flood a number of homes adjacent to Twin Lakes and Ryan Lake.

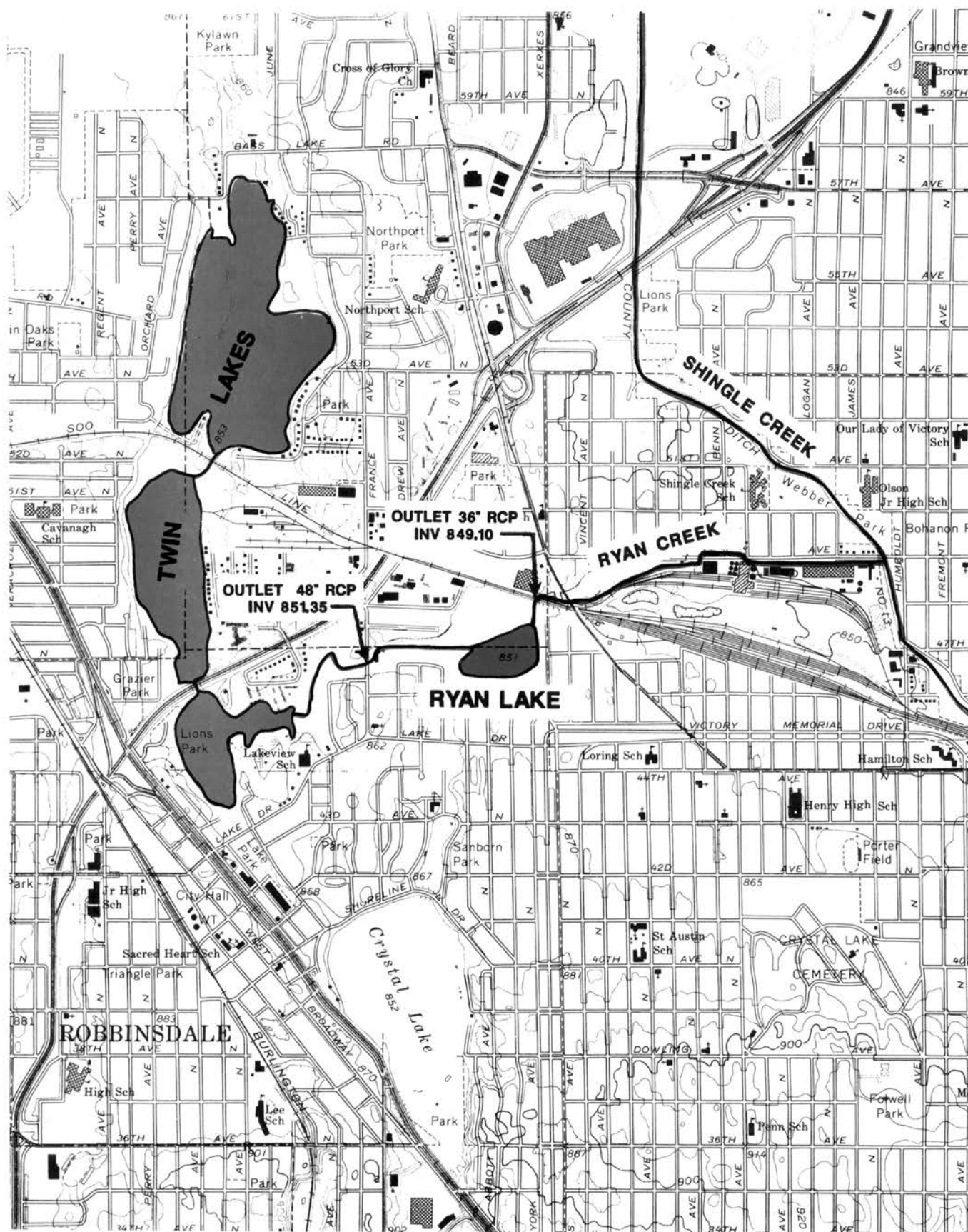
A further hydraulic analysis was performed in 1986 to determine the 100-year flood elevation that would result in the Twin Lakes/Ryan Lake Basin if a larger structure was placed at the Ryan Lake outlet. It was determined that if the size of the Ryan Lake outlet was increased, the 100-year flood elevation of the Twin Lakes/Ryan Lake Basin would be reduced. The larger outlet would also result in an increase in the peak discharge rate downstream in Ryan Creek. The effects of these increased flows in Ryan Creek were not determined as part of the 1986 analysis.

OBJECTIVE

The objective of this study is to determine which combination of structure modifications to the Twin Lakes outlet at France Avenue and the Ryan Lake outlet will result in the most desirable alternatives to increase the low flow capacity

of Twin Lakes and reduce 100-year flood elevations in Ryan Lake. Information previously generated in the 1986 analysis will be incorporated into this report. The costs associated with any outlet modification will be estimated and the resulting increase in peak discharges to Ryan Creek will be analyzed downstream to determine whether adequate channel capacity exists. Should flooding occur in Ryan Creek under existing conditions or as a result of any proposed upstream modifications, measures to increase downstream capacity such as channel improvements, larger storm sewer, etc. will be considered and costs estimated for these improvements.

Cost allocation associated with the recommended improvements is presented in the cost-sharing analysis section. Benefitted areas of the Shingle Creek Watershed, namely District C, will be responsible for the costs of the improvements.



SHINGLE CREEK WMC

PROJECT STUDY AREA

**E.A. HICKOK & ASSOCIATES
HYDROLOGISTS-ENGINEERS
MINNEAPOLIS-MINNESOTA**

AUG 88

FIG 1

EXISTING DRAINAGE SYSTEM

Twin Lakes/Ryan Lake

The Twin Lakes/Ryan Lake drainage area consists of 5,720 acres of urban land located in the south central portion of the Shingle Creek Watershed. This drainage area consists of six subwatersheds located in parts of Brooklyn Center, Brooklyn Park, Crystal, Minneapolis, New Hope and Robbinsdale (see Figure 2).

A 48-inch RCP culvert with an invert elevation of 851.35 is located at France Avenue and is the outlet for the Twin Lakes system. This culvert controls the discharge from Twin Lakes during low flow events such as a 1-year frequency storm. During larger storm events such as a 100-year frequency storm, the smaller 36-inch RCP located under the railroad tracks in the northeast corner of Ryan Lake, at an invert elevation of 849.10, controls the discharge from both Twin Lakes and Ryan Lake. Thus, the existing Ryan Lake outlet causes the reservoirs to function together as one basin.

The 36-inch RCP outlet from Ryan Lake is connected to a 54-inch RCP storm sewer which outlets to Ryan Creek east of T.H. 152. The 54-inch storm sewer also picks up local drainage from Howe Fertilizer, Inc. as well as drainage from the intersection of 49th Avenue and T.H. 152 and low areas along T.H. 152 and the railroad tracks.

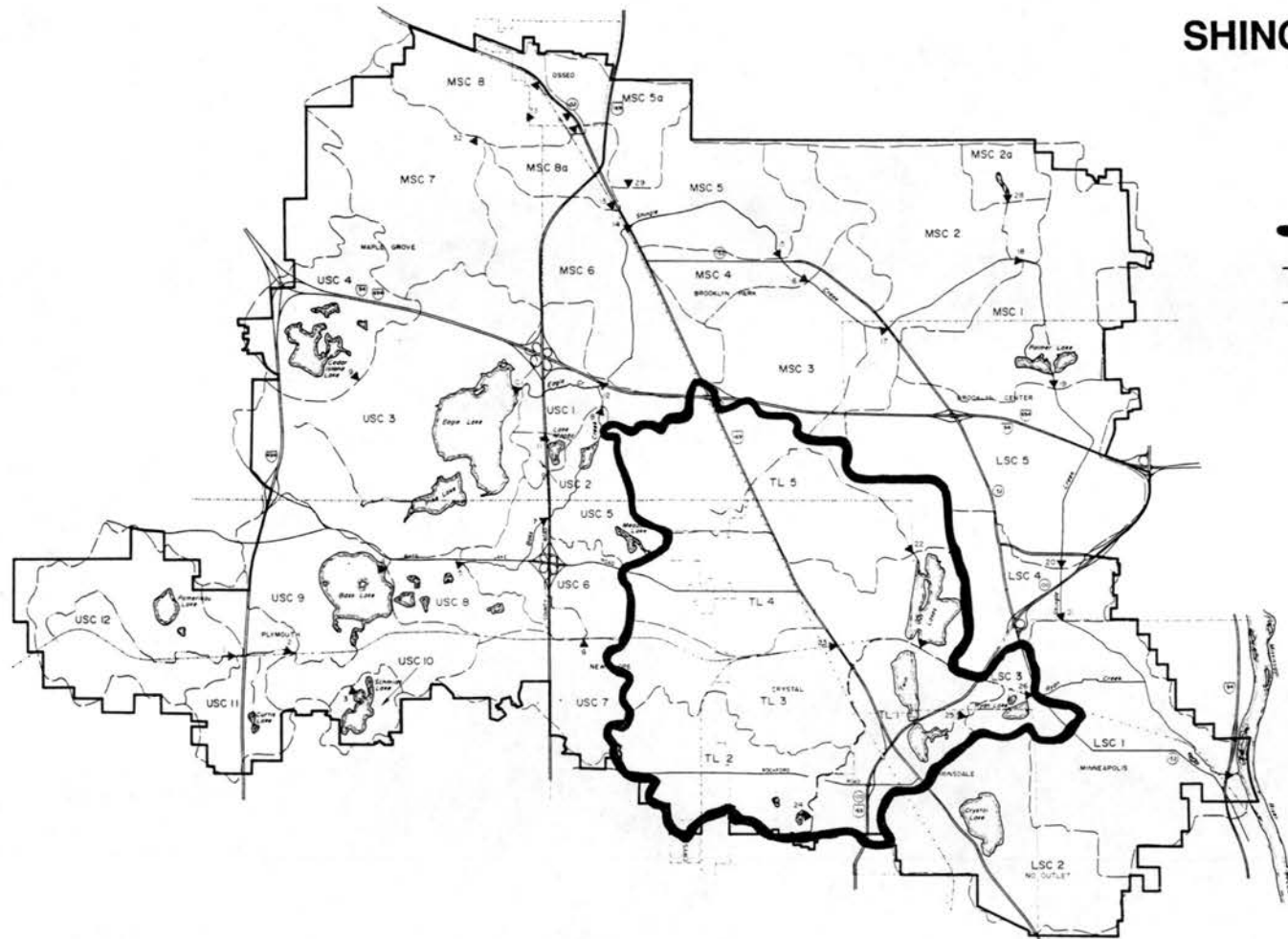
Ryan Creek

Ryan Creek, which consists of both open channel and storm sewer, flows easterly along 49th Avenue in Minneapolis outletting to Shingle Creek (see Figure 3). The first 1,600 feet of the creek between T.H. 152 and Russell Avenue is open channel. There is a 48-inch CMP culvert located in the channel under a driveway across from Russell Avenue. East of Russell Avenue, Ryan Creek is enclosed in a

storm sewer. The first section of storm sewer consists of 870 feet of 48-inch RCP which was built in 1955. The remaining 2,000 feet of storm sewer increases to a larger 60-inch RCP at Oliver Avenue. The 60-inch RCP, which outlets to Shingle Creek, was installed in the previously open channel in 1981 and 1983.

A storm sewer line was installed in the spring of 1988 along the south side of 49th Avenue from Washburn Avenue east past Sheridan Avenue where it outlets to Ryan Creek. This RCP storm sewer ranges in size from 18-36 inches and collects runoff from a 19 acre drainage area. Additional runoff to Ryan Creek along 49th Avenue is collected in catch basins at the intersections of Russell, Queen, Penn, Oliver, Morgan, Knox and James Avenues.

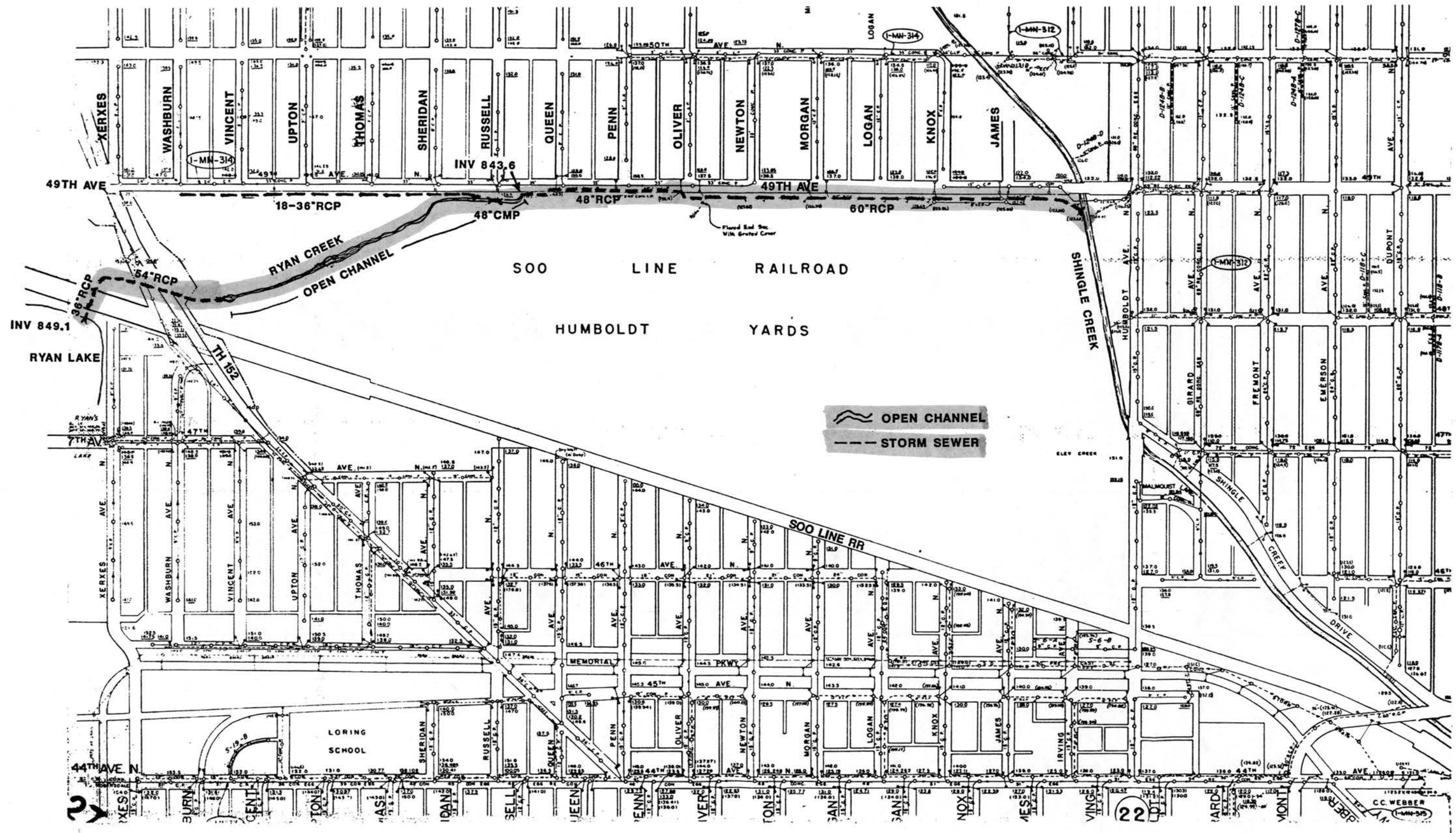
SHINGLE CREEK WATERSHED



- Twin Lakes/Ryan Lake Drainage Boundary
- Legal Watershed Boundary
- - -** Subwatershed Boundary
- ◻▶** Subwatershed Outlet/
Outlet Control Structure



SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION	E.A. HICKOK & ASSOCIATES HYDROLOGISTS-ENGINEERS	AUG 88
TWIN LAKES / RYAN LAKE DRAINAGE AREA	MINNEAPOLIS-MINNESOTA	FIG 2



SCALE 1" = 500'

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION

RYAN CREEK DRAINAGE SYSTEM

E.A. HICKOK & ASSOCIATES
HYDROLOGISTS-ENGINEERS
MINNEAPOLIS-MINNESOTA

AUG 88

FIG 3

TWIN LAKES OUTLET MODIFICATION

The hydraulic analysis on Twin Lakes/Ryan Lake undertaken by the Commission in 1986 consisted of analyzing the hydraulic capacity of the existing 48-inch RCP outlet at France Avenue as well as three different alternatives to increase the capacity of the outlet and reduce the time necessary for lake levels to recede. The SCS TR-20 computer runoff model was used to simulate the effects resulting from a 1-year frequency rainfall event on Twin Lakes considering four different outlet configurations.

The following Twin Lakes outlet structures were analyzed:

1. Existing 48-inch RCP culvert.
2. Existing 48-inch RCP culvert plus one 18-inch RCP culvert.
3. Existing 48-inch RCP culvert plus two 18-inch RCP culverts.
4. Existing 48-inch RCP culvert plus three 18-inch RCP culverts.

The inverts of the 18-inch RCP culverts were set at an elevation of 850.0. These culverts would be downstream of a 35-foot long weir. The weir was set at an elevation of 851.35 to continue maintaining the existing runout elevation of Twin Lakes since low lake levels in the past have been a problem. The 18-inch culverts were selected because they will be flowing full when water reaches elevation 851.5, thereby providing a high flow capacity when lake elevations range from 851.4 to 851.8.

Results

The results of the hydraulic analysis for the Twin Lakes outlet modification at France Avenue are summarized in Table 1. The time necessary for lake levels in Twin Lakes to recede during a 1-year frequency storm was significantly reduced by increasing the capacity of the outlet. As shown in Table 1, if three 18-inch RCP's were added to the existing 48-inch RCP at France Avenue, the time necessary

to lower Twin Lakes from a peak elevation of 852.0 to 851.5 will be reduced from 600 hours to 85 hours, a difference of about 21 days. Modifications to the outlet at France Avenue will result in greater discharges and an increase in lake levels downstream in Ryan Lake during the 1-year frequency storm. Since the Ryan Lake outlet controls the discharge during a 100-year frequency storm, modifications to the France Avenue culvert would not affect 100-year lake levels of the basin since this structure equalizes lake levels in Twin Lakes and Ryan Lake.

Cost Estimate

A Preliminary Engineer's Cost Estimate to install one, two, or three additional 18-inch RCP culverts at the existing outlet under France Avenue in conjunction with a 35-foot long weir is shown in Table 2.

TABLE 1

RESULTS OF HYDRAULIC ANALYSIS FOR TWIN LAKES OUTLET - 1-YEAR STORM
(Assumes existing 36-inch RCP is in-place at Ryan Lake outlet)

<u>Description of Twin Lakes Outlet at France Avenue</u>	<u>Peak Elevation (NGVD)</u>	<u>Peak Q (cfs)</u>	<u>Time to Peak (hrs)</u>	<u>Time to Drain From Peak Elevation to Elevation 851.5 (hrs)</u>	<u>Peak Elevation in Ryan Lake (NGVD)</u>
48-inch RCP (Existing)	852.1	4.8	28.0	600	849.8
48-inch RCP plus one 18-inch RCP	852.0	14.5	26.2	185	850.4
48-inch RCP plus two 18-inch RCP's	852.0	24.1	25.6	107	850.8
48-inch RCP plus three 18-inch RCP's	852.0	32.9	25.2	85	851.1

TABLE 2

PRELIMINARY ENGINEER'S COST ESTIMATE FOR
TWIN LAKES OUTLET MODIFICATION - OPTION 1JACK INSTALLATION OF ONE 18-INCH PIPE UNDER FRANCE AVENUE ALONG WITH
CONSTRUCTION OF 35-FOOT LONG SHEET PILE WEIR

Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization	L.S.	1	\$ 4,000	\$ 4,000
2	Jack 30" Diameter Steel Casing (1/4" Thick) with 18" RCP	L.F.	66	\$ 200	\$13,200
3	Construct Jacking Pit	L.S.	1	\$ 2,000	\$ 2,000
4	Rip Rap Class III, 1-Foot Thick with Filter Fabric	S.Y.	40	\$ 30	\$ 1,200
5	Restoration (Erosion Control Blankets)	L.S.	1	\$ 1,000	\$ 1,000
6	Construct Bentonite Seepage Dams	Each	2	\$ 300	\$ 600
7	Furnish and Install Steel Sheet Piling	S.F.	200	\$ 25	\$ 5,000
TOTAL ESTIMATED CONSTRUCTION COST					\$22,000
ENGINEERING (10%)					\$ 2,700
ADMINISTRATIVE (5%)					\$ 1,400
CONTINGENCIES (7%)					<u>\$ 1,900</u>
TOTAL					\$33,000*

*If an additional 18-inch RCP culvert is installed, increase total project cost by \$33,000.

If two additional 18-inch RCP culverts are installed, increase total project cost by \$26,000.

NOTE: The above cost estimate does not include easement costs for land that may be required as part of this project.

BOX CULVERT OPTION

Subsequent to the above hydraulic analysis, the Commission discussed the possibility of replacing the existing 48-inch RCP culvert at France Avenue with a concrete box culvert. The box culvert would need to provide sufficient low flow capacity similar to that provided by the addition of three 18-inch RCP's while maintaining the existing runout elevation of 851.35.

A hydraulic capacity analysis was performed for different size box culverts and various weir lengths. It was determined that a 6'x4' box culvert placed at an invert elevation of 850.0 and a 20-foot long weir set at an elevation of 851.35 will achieve approximately the same low flow capacity as the existing 48-inch RCP along with three 18-inch RCP's and a 35-foot weir. The 6'x4' box culvert will also provide a greater flow capacity to handle storm events larger than the 1-year storm.

The estimated costs to install a 6'x4' box culvert and a 20-foot weir are outlined in a preliminary engineer's cost estimate shown in Table 3.

TABLE 3

PRELIMINARY ENGINEER'S COST ESTIMATE FOR
TWIN LAKES OUTLET MODIFICATION - OPTION 2REPLACE EXISTING 48-INCH RCP CULVERT AT FRANCE AVENUE WITH A 6'x4'
CONCRETE BOX CULVERT AND A 20-FOOT LONG CONCRETE WEIR

Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization	L.S.	1	\$ 4,000	\$ 4,000
2	6' span x 4' rise precast concrete box culvert	L.F.	66	\$ 300	\$19,800
3	12" concrete headwalls and wingwalls	C.Y.	12	\$ 200	\$ 2,400
4	6" concrete weir and slab	C.Y.	3	\$ 200	\$ 600
5	Remove existing 48" RCP culvert and wing walls	L.S.	1	\$ 3,000	\$ 3,000
6	Remove and replace iron railings	L.S.	2	\$ 300	\$ 600
7	Trench rock	Tons	65	\$ 8	\$ 520
8	Class II riprap (grouted) with geotextile fabric	C.Y.	40	\$ 60	\$ 2,400
9	Remove and replace curb and gutter	L.F.	100	\$ 8	\$ 800
10	Class 5	Ton	110	\$ 8	\$ 880
11	Bituminous base	Ton	50	\$ 24	\$ 1,200
12	Bituminous binder course	S.Y.	230	\$ 2.80	\$ 650
13	Bituminous wear course	S.Y.	230	\$ 2.80	\$ 650
14	Concrete Sidewalk	S.F.	600	\$ 2.00	\$ 1,200
15	Restoration	L.S.	1	\$ 500	\$ 500
TOTAL ESTIMATED CONSTRUCTION COST					\$39,200
ENGINEERING (10%)					\$ 3,900
ADMINISTRATIVE (5%)					\$ 2,000
CONTINGENCIES (7%)					\$ 2,800
TOTAL					\$47,900

Note: The above cost estimate does not include right-of-way costs for land that may be required as part of this project.

RYAN LAKE OUTLET MODIFICATION

High water levels in the Twin Lakes/Ryan Lake Basin resulting from a 100-year frequency storm over the watershed is an important concern of the Commission since flooding of low-lying structures adjacent to Twin Lakes and Ryan Lake will occur. The downstream capacity of Ryan Creek to handle 100-year peak discharges from Ryan Lake will be determined as part of this study. Existing drainage problems along Ryan Creek will also be identified which may be adversely affected by providing a larger outlet at Ryan Lake.

Hydraulic Analysis

A hydraulic analysis using the SCS TR-20 computer runoff model was used to simulate a 100-year frequency runoff event to determine both peak discharge rates to Ryan Creek and projected 100-year flood elevations in the Twin Lakes/Ryan Lake Basin. Four different outlet configurations at Ryan Lake were analyzed. The existing and proposed outlet structures would continue to maintain the current runout elevation of Ryan Lake at 849.10. The existing 36-inch RCP would continue to be used, while the outlet capacity would be increased by the installation of an additional outlet pipe under the railroad tracks alongside the existing 36-inch RCP. The maximum outlet size for Ryan Lake considered in this analysis is a 54-inch RCP equivalent since the existing outfall to Ryan Creek is a 54-inch RCP under T.H. 152.

The following Ryan Lake outlet structures were analyzed:

1. Existing 36-inch RCP
2. Existing 36-inch RCP plus 18-inch RCP
(Equivalent to a 42-inch RCP)
3. Existing 36-inch RCP plus 24-inch RCP
(Equivalent to a 48-inch RCP)
4. Existing 36-inch RCP plus 30-inch RCP
(Equivalent to a 54-inch RCP)

It is important to note that storm sewers discharging to Ryan Creek downstream of Ryan Lake will not be affected by peak discharge rates from Ryan Lake since peak discharges from Ryan Lake will occur much later.

Results

The results of the hydraulic analysis for the Ryan Lake outlet modification are summarized in Table 4. The 100-year peak elevation in the Twin Lakes/Ryan Lake Basin will be lowered as a result of increasing the capacity of the outlet. As the peak elevation of the basin is lowered, the number of low-lying structures that will experience flooding is reduced. However, the peak discharges downstream to Ryan Creek will be increased. As shown in Table 4, the installation of a 30-inch RCP in addition to the existing 36-inch RCP (equivalent to a 54-inch RCP) will lower the 100-year peak elevation from 855.9 to 855.1, a difference of 0.8 feet. By lowering the peak elevation 0.8 feet, the number of structures below the 100-year peak elevation that will experience flooding is reduced from 47 to 25, a difference of 22 structures. The corresponding peak discharge rate to Ryan Creek will be increased from 90 cfs to 135 cfs.

At the 100-year flood elevation of 855.1, the flow capacity of the existing 48-inch RCP culvert at France Avenue plus three 18-inch RCP's and a 35-foot weir is 139 cfs. If a 6'x4' box culvert was installed at France Avenue as previously discussed, the flow capacity of the structure at the 100-year flood elevation of 855.1 is 180 cfs. Therefore, both options for modifications to the France Avenue outlet would adequately pass the 100-year peak flow of 135 cfs and the Ryan Lake outlet would continue to act as the control for the system.

TABLE 4

RESULTS OF HYDRAULIC ANALYSIS FOR RYAN LAKE OUTLET - 100-YEAR STORM

Description of Ryan Lake Outlet Under Railroad Tracks	Peak Elevation (NGVD)	Number of Structures Below Peak Elevation*	Peak Q (cfs)	Time To Peak (hrs)
36-inch RCP (Existing)	855.9	47	90	185
36-inch RCP plus 18-inch RCP (Equivalent 42-inch RCP)	855.5	39	107	167
36-inch RCP plus 24-inch RCP (Equivalent 48-inch RCP)	855.3	33	120	159
36-inch RCP plus 30-inch RCP (Equivalent 54-inch RCP)	855.1	25	135	152

* Number of structures adjacent to Twin Lakes and Ryan Lake with lowest opening elevations below the projected 100-year peak elevation.

Additional structures located near Twin Lakes and Ryan Lake, specifically in the southwest corner of Ryan Lake, may also experience flooding at the peak elevations shown.

RYAN CREEK CHANNEL/PIPE CAPACITY ANALYSIS

A channel/pipe capacity analysis of Ryan Creek was completed to determine the flow capacity of the creek and to identify any existing flooding problems. All field information necessary to complete the analysis was provided by the City of Brooklyn Center. Field work performed in April and May of 1988 included taking cross-sections of the open channel, determining invert elevations of the existing storm sewer system, and determining centerline elevations along 49th Avenue. Lowest opening elevations of homes located at the intersection of 49th Avenue and Russell Avenue were also determined.

Channel Capacity

The estimated capacity of the open channel varies from 115 cfs to 422 cfs and thus has adequate capacity to handle estimated 100-year peak discharges from Ryan Lake under existing outlet conditions.

During field inspections, the channel was found to be in relatively poor condition. Dense brush, tall weeds, and small trees are present in some places within the channel bottom and along the banks, particularly east of Sheridan Avenue. Assorted debris such as tires, trash, cans, metal boxes, boards and tree stumps is also present within the channel. The brush and debris reduce the hydraulic capacity of the channel and may create obstructions in the downstream storm sewer system.

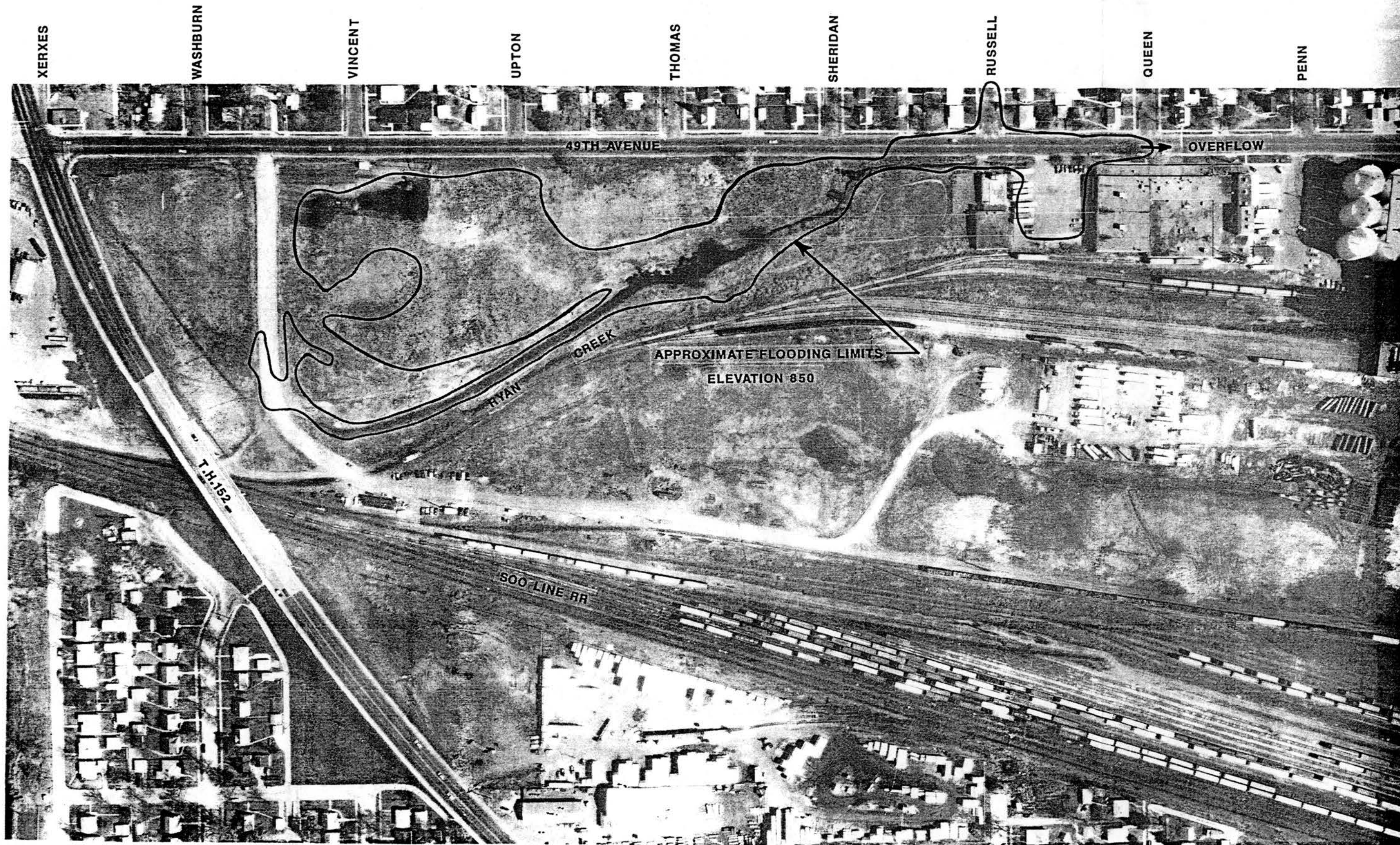
The 54-inch RCP outletting to Ryan Creek east of T.H. 152 has approximately 1.5 to 2 feet of sediment within the pipe at the outlet. Pipe cleaning and channel excavation would be necessary as part of any outlet modification of Ryan Lake to assure adequate capacity is provided.

Pipe Capacity

The pipe capacity of the existing storm sewer system enclosing Ryan Creek between Russell Avenue and Shingle Creek was determined. The 48-inch storm sewer at an average slope of .056% has a capacity of 40 cfs while the 60-inch RCP further downstream has an average slope of .25% and a flow capacity of 140 cfs.

Existing Flooding Problems

The relatively flat slope and shallow depth of the 48-inch storm sewer will result in flooding of the low area at the intersection of Russell and 49th Avenues as well as backing up water in the Ryan Creek channel. Figure 4 shows the area flooded when the capacity of the 48-inch storm sewer is exceeded. Stormwater will eventually flow along 49th Avenue to the east to a low spot at the intersection of Oliver and 49th overflowing to catch basins draining to the larger 60-inch storm sewer. It does not appear that any homes or businesses along 49th Avenue will experience direct flooding if the storm sewer capacity is exceeded since the area is relatively flat and stormwater will be contained mostly within the streets overflowing down 49th Avenue to the east. Some minor flooding will occur in front yards and in the parking lot on the south side of 49th Avenue. If a larger outlet is provided from Ryan Lake resulting in larger peak flows downstream in Ryan Creek, the increase in flood levels will be insignificant due to the overflow capacity of 49th Avenue. Residents along 49th Avenue have reported water seepage in basements when water is present in Ryan Creek.



SCALE 1"=200'

MINNEAPOLIS



SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION
FLOODING RESULTING WHEN CAPACITY OF 48"RCP IS EXCEEDED

E.A. HICKOK & ASSOCIATES
HYDROLOGISTS-ENGINEERS
MINNEAPOLIS-MINNESOTA

AUG 88
FIG 4

PROPOSED IMPROVEMENTS BY MINNEAPOLIS

Construction plans have been prepared by the City of Minneapolis to bypass the existing 48-inch RCP located in the street by constructing a 54-inch RCP storm sewer along the south side of 49th Avenue. The project would benefit the City of Minneapolis by minimizing local flooding and improve maintenance problems. The proposed 1,138 feet of 54-inch RCP would extend from the existing 60-inch RCP at Oliver Avenue west along 49th Avenue ending 180 feet west of Russell Avenue. The proposed storm sewer will replace 260 feet of open channel including the 48-inch CMP culvert under the driveway across from Russell Avenue. The proposed 54-inch storm sewer will have a flow capacity of 120 cfs at the design slope of 0.33 percent. The existing 48-inch RCP will be connected to the proposed 54-inch RCP at Queen and Oliver Avenues and utilized as a relief drain if necessary.

The construction of the 54-inch RCP storm sewer is scheduled for 1990. The estimated cost to install 1,138 feet of 54-inch RCP by Minneapolis city crews is \$384,000. A 60-inch RCP constructed at the same slope would have a flow capacity of 160 cfs. The additional costs associated with increasing the storm sewer from a 54-inch to a 60-inch RCP is \$36,700. These estimated costs are documented in a letter from Perry Damon to Dale Claridge dated May 26, 1989 which are included in Appendix B of this report.

Below is a summary of the hydraulic capacity of the existing and proposed storm sewer system in Ryan Creek.

- Existing system

Capacity of 48-inch RCP - 40 cfs

Capacity of 60-inch RCP - 140 cfs

- Storm sewer extension proposed by the City of Minneapolis
(48-inch RCP replaced by 54-inch RCP)

Capacity of 54-inch RCP - 120 cfs

- Increase storm sewer extension capacity by installing a 60-inch
RCP instead of a 54-inch RCP

Capacity of 60-inch RCP - 160 cfs*

*Storm sewer system will be limited to 140 cfs, the capacity of the existing
60-inch RCP downstream from Oliver to Shingle Creek.

RYAN LAKE OUTLET AND CHANNEL IMPROVEMENTS

Under existing conditions, the downstream capacity of the 48-inch RCP storm sewer between Russell and Oliver Avenues is inadequate to handle estimated 100-year peak discharges from Ryan Lake. If improvements are made to the storm sewer system as proposed by the City of Minneapolis, the capacity of the storm sewer will be increased from 40 cfs to 120 cfs. As shown in Table 4, the 100-year peak discharge rate to Ryan Creek is estimated to be 120 cfs if a 24-inch RCP is installed in addition to the existing 36-inch RCP. The downstream capacity could be further increased to 140 cfs if a 60-inch RCP is installed instead of the proposed 54-inch RCP. However, with minor surcharging of the 54-inch RCP and utilization of the 48-inch RCP bypass, the capacity would be increased to 140 cfs. As shown in Table 4, the 100-year peak discharge rate to Ryan Creek is estimated to be 135 cfs if a 30-inch RCP is installed in addition to the existing 36-inch RCP.

Any proposed modifications to the Ryan Lake outlet should include sediment cleanout of the 54-inch RCP outfall pipe and channel excavation along Ryan Creek to lower the channel bottom grade. The existing channel bottom grade will need to be lowered an average of 2.5 feet over a distance of 1,300 feet to match the invert of the existing 54-inch RCP outfall east of T.H. 152 and the invert of the proposed storm sewer inlet west of Russell Avenue. This channel improvement will not only improve the hydraulic capacity of the creek to adequately handle peak discharges from Ryan Lake but will also clean the channel of unsightly debris and other materials.

Cost Estimate

A Preliminary Engineer's Cost Estimate to install an additional 18-inch RCP, 24-inch RCP, or 30-inch RCP at the existing outlet of Ryan Lake in conjunction with Ryan Creek channel excavation is shown in Table 5.

TABLE 5
PRELIMINARY ENGINEER'S COST ESTIMATE FOR
RYAN LAKE OUTLET MODIFICATION

JACK INSTALLATION OF 18" RCP UNDER RAILROAD TRACKS ALONG WITH RYAN CREEK
CHANNEL EXCAVATION

Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization	L.S.	1	\$ 4,000	\$ 4,000
2	Jack 30" Diameter Steel Casing (1/4" thick) with 18" RCP	L.F.	80	\$ 200	\$ 16,000
3	18" Flared End with Rip Rap and Filter Fabric	L.S.	1	\$ 600	\$ 600
4	96" Diameter manhole	Each	1	\$ 3,000	\$ 3,000
5	Jacking Pit With Dewatering	L.S.	1	\$ 5,000	\$ 5,000
6	Construct Bentonite Seepage Dams	Each	2	\$ 300	\$ 600
7	Construct Inlet Skimmer Structure	Each	1	\$ 2,000	\$ 2,000
8	Restoration (Erosion Control Blanket with Seed and Fertilizer)	L.S.	1	\$ 1,000	\$ 1,000
9	Soil Stabilization (Trench Rock)	C.Y.	10	\$ 10	\$ 100
10	36" RCP Flared End with Rip Rap and Filter Fabric	L.S.	1	\$ 1,000	\$ 1,000
11	Channel Excavation	C.Y.	3,400	\$ 4	\$ 13,600
12	54" RCP Sediment Clean Out	L.F.	450	\$ 8	\$ 3,600
13	Restoration (Hydro-Mulching)	Acre	1.5	\$ 1,000	\$ 1,500
14	Clearing and Grubbing	Acre	1.0	\$ 1,000	\$ 1,000
TOTAL ESTIMATED CONSTRUCTION COST					\$ 53,000
ENGINEERING (10%)					\$ 5,300
ADMINISTRATIVE (5%)					\$ 2,700
CONTINGENCIES (7%)					\$ 3,700
TOTAL					\$ 64,700*

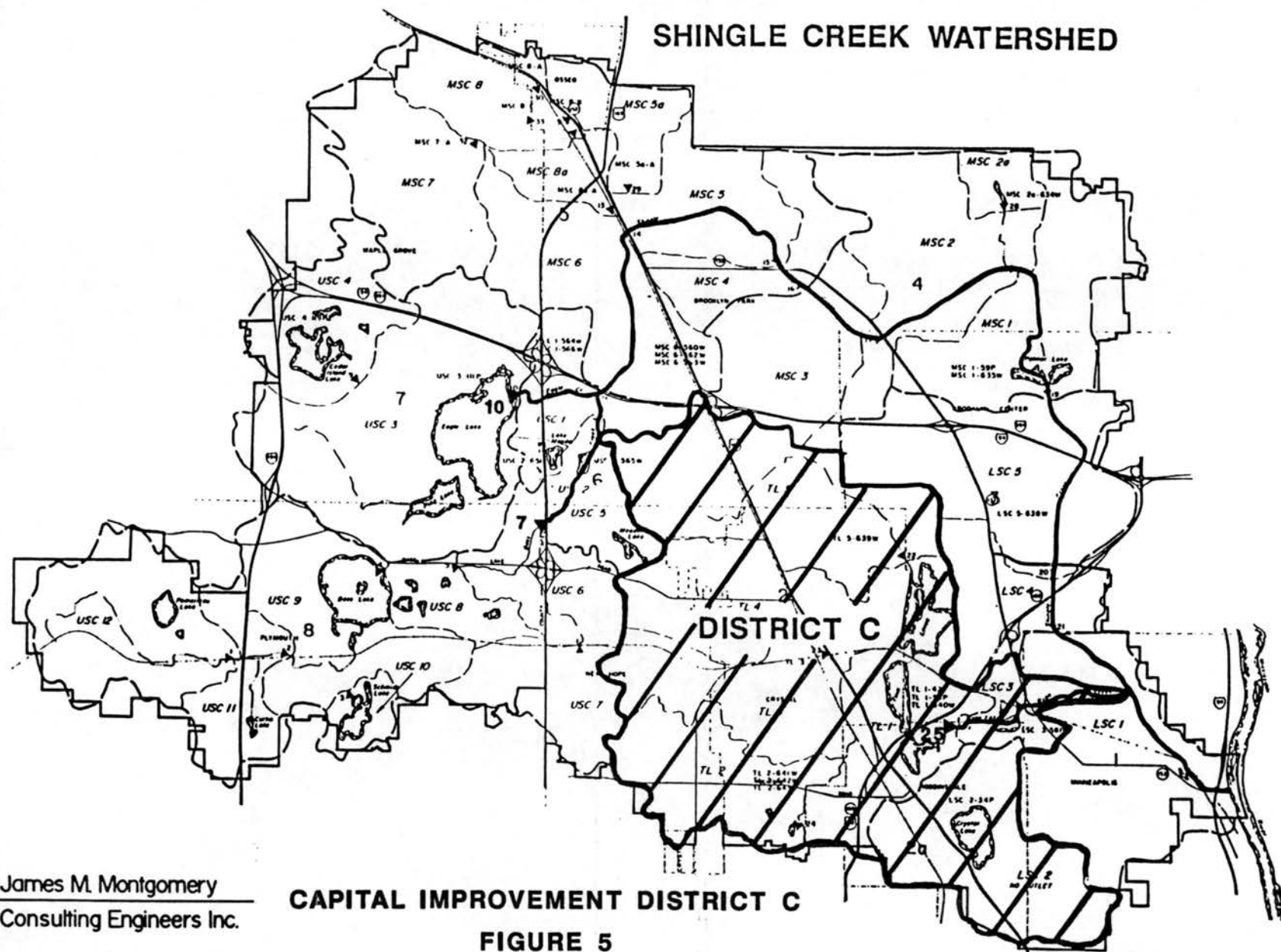
* If 24-inch RCP is installed, increase Total Project Cost by \$2,800.
If 30-inch RCP is installed, increase Total Project Cost by \$5,300.

COST-SHARING ANALYSIS

Article VII, Subdivision 4 of the Joint Powers Agreement provides that the Commission shall have authority to separate the Shingle Creek Watershed into subtrunks and subdistricts if the capital improvement project and costs only benefit a subtrunk or subdistrict area, and the Commission is further given authority to determine that a capital improvement benefits only a subtrunk or subdistrict area, which area shall be responsible for said costs, and allows the assessment of the costs to the subdistrict area rather than the entire watershed.

On January 12, 1989, the Commission adopted a resolution defining districts within the Shingle Creek Watershed and establishing a capital improvement policy. The watershed was divided into three capital improvement districts. The proposed improvements to the Twin Lakes Outlet, Ryan Lake Outlet, and Ryan Creek are located within District C which is shown in Figure 5. District C is defined as that area draining to Ryan Creek upstream of its confluence with Shingle Creek at 49th Avenue North in Minneapolis which includes portions of six communities, namely, Brooklyn Center, Brooklyn Park, Crystal, Minneapolis, New Hope, and Robbinsdale.

Article VIII, Subdivision 5 of the Joint Powers Agreement directs that the Commission shall apportion all capital costs based on 50 percent of the cost being allocated on the basis of real property values of each member within the boundaries, and 50 percent of all capital costs being allocated on the basis of area within the established boundaries, and allows this basic formula to be modified by a 7/9th vote if: (a) any member receives a direct benefit from the capital improvements, which benefit can be defined as a lateral as well as a trunk benefit; or (b) the capital improvement provides a direct benefit to one or more members, which benefit is so disproportionate as to require in a sense of fairness a modification of the 50/50 formula. As provided in the resolution previously discussed, cost allocations for capital improvements shall be divided



JMM James M. Montgomery
Consulting Engineers Inc.

CAPITAL IMPROVEMENT DISTRICT C
FIGURE 5



by the districts established by the resolution and shall follow the procedures outlined in the Joint Powers Agreement.

The areas and 1988 tax capacities (replaces assessed valuations) were determined by each District C community and are shown below.

DISTRICT C (Ryan Creek Drainage Area)		
<u>Acreage and Assessed Valuation Summary</u>		
	<u>Acreage</u>	<u>1988 Tax Capacity</u>
Brooklyn Center	621	\$ 2,722,414
Brooklyn Park	892	4,401,836
Crystal	2,480	10,607,305
Minneapolis	498	3,495,828
New Hope	1,075	8,243,748
Robbinsdale	<u>1,460</u>	<u>9,128,979</u>
Totals	7,025 acres	\$38,600,110

The following is a summary of the estimated costs associated with the Twin Lakes/Ryan Lake Outlet Modification Project. These costs include construction costs plus allowances for engineering (10%), administrative (5%), and contingencies (7%).

1) France Avenue Outlet Improvements	
6'x4' Concrete Box Culvert	\$ 47,200
Concrete weir (does not include right-of-way costs that may be required)	\$ 700
2) Ryan Lake Outlet Improvements	
Additional 30-inch RCP outlet pipe and downstream channel improvements to Ryan Creek	\$ 70,000
3) Ryan Creek Storm Sewer	
Oversizing proposed storm sewer enclosure of Ryan Creek from 54-inch RCP to 60-inch RCP	\$ 36,700*
TOTAL COST	<u>\$154,600</u>

* Includes only cost of oversizing. Source: City of Minneapolis.

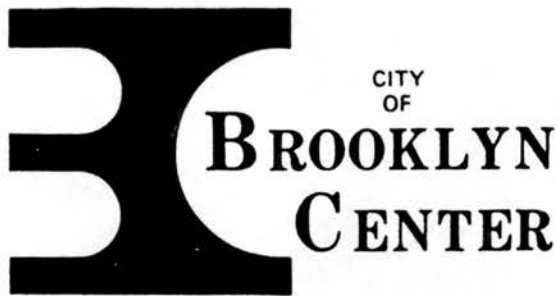
Since capital improvements associated with a 100-year storm benefit all District C communities, the Commission shall be responsible for these costs based on the 50/50 formula (area/tax capacity). With the exception of the weir at France Avenue, the above improvements are considered 100-year storm improvements. The weir at France Avenue was designed to provide additional low flow capacity while maintaining the existing runout elevation of Twin Lakes. Increasing the low flow capacity of the weir is considered a local improvement benefitting the City of Brooklyn Center, therefore, Brooklyn Center shall be responsible for the cost of the weir (\$700) and any right-of-way that may be required. The Brooklyn Center City Council adopted a resolution on June 26, 1989 wherein Brooklyn Center agrees to pay the costs for construction of the weir and any right-of-way costs. A copy of the resolution is included in Appendix C of this report.

Based on the 50/50 formula (area/tax capacity), the cost allocation for each District C community to fund the estimated capital improvement costs (\$159,900) for 100-year storm improvements are shown below.

	Cost Allocation Based on Area		Cost Allocation Based on Tax Capacity		Total Cost	
	%	Dollars	%	Dollars	%	Dollars
Brooklyn Center	8.8	\$ 6,772	7.0	\$ 5,387	7.9	\$ 12,159
Brooklyn Park	12.7	9,773	11.4	8,772	12.1	18,545
Crystal	35.3	27,163	27.5	21,161	31.4	48,324
Minneapolis	7.1	5,463	9.1	7,003	8.1	12,466
New Hope	15.3	11,773	21.4	16,467	18.3	28,240
Robbinsdale	20.8	16,006	23.6	18,160	22.2	34,166
TOTALS	100.0	\$76,950	100.0	\$76,950	100.0	\$153,900

APPENDIX A

Resolutions adopted by the cities of Brooklyn Center,
Crystal and Robbinsdale requesting the SCWMC to
prepare a feasibility study for the Twin Lakes/Ryan Lake
Outlet Modification



6301 SHINGLE CREEK PARKWAY
BROOKLYN CENTER, MINNESOTA 55430

TELEPHONE 561-5440

EMERGENCY - POLICE - FIRE

RECEIVED

911

FEB 16 1989

E.A. Hickok & Associates

February 15, 1989

Mr. Neil Johnson, Chairman
Shingle Creek Watershed Management Commission
Brooklyn Park City Hall
5800 - 85th Avenue North
Brooklyn Park, MN 55443

Re: Twin Lakes/Ryan Lake Outlet Modifications


Dear Mr. Johnson:

Enclosed is a certified copy of Resolution No. 89-30, as adopted by the Brooklyn Center City Council on February 13, 1989, wherein the City of Brooklyn Center requests the Shingle Creek Watershed Management Commission to conduct a feasibility study for implementation of the Twin Lakes/Ryan Lake Outlet Modification as described in the September 8, 1988 report prepared by E. A. Hickok & Associates, and in accordance with the resolution establishing a Capital Improvement policy as adopted by the Commission on January 12, 1989.

You will note that the resolution also requests that the cities of Crystal and Robbinsdale support this request by resolution of their City Councils.

Please place this request on the agenda for the March 9, 1989 meeting. I'd also ask that you request Bill Wiedenbacker to submit a proposal to conduct the feasibility study so that this matter can be considered by the Commission at that meeting.

Yours very truly,



Sy Knapp

Enclosure

cc: Bill Monk, City Engineer, Crystal
Lee Gustafson, City Engineer, Robbinsdale
Judie Anderson, Recording Secretary
Bill Wiedenbacker, E.A. Hickok & Associates
SCWMMC Correspondence File
Twin Lakes - Flood File



STATE OF MINNESOTA)
COUNTY OF HENNEPIN)
CITY OF BROOKLYN CENTER)

ss. Certification as to Extract of Minutes

I, the undersigned, being the duly qualified and acting Executive Director of the City of Brooklyn Center, Minnesota do hereby certify as follows:

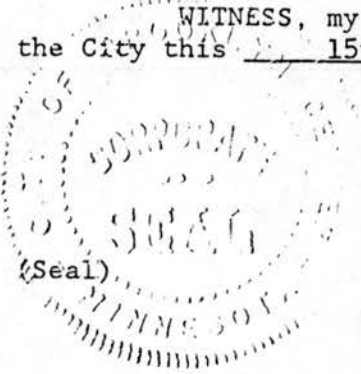
1. That attached hereto is an extract of minutes of a regular meeting of the Economic Development Authority in and for the City of Brooklyn Center held on February 13, 1989.

2. That said meeting was held pursuant to due call and notice thereof and was duly held at the City Hall in said City at 7 p.m.

3. That I have carefully compared the attached extract of minutes with the original thereof on file in my office and the same is a full, true and complete transcript therefrom insofar as the same related to

Resolution No. 89-30

WITNESS, my hand as such Executive Director and the Corporate seal of the City this 15th day of February, 1989.



Gerald G. Sptankus

Executive Director
CITY OF BROOKLYN CENTER

Member Jerry Pedlar
moved its adoption:

introduced the following resolution and

RESOLUTION NO. 89-30

RESOLUTION REQUESTING THE SHINGLE CREEK WATERSHED MANAGEMENT
COMMISSION TO CONDUCT A FEASIBILITY STUDY FOR IMPLEMENTATION
OF THE TWIN LAKES/RYAN LAKE OUTLET MODIFICATION

WHEREAS, areas within the Cities of Brooklyn Center, Crystal and Robbinsdale which lie adjacent to the Twin Lakes and to Ryan Lake experience wide fluctuations in lake water levels, sometimes resulting in considerable flooding damage; and

WHEREAS, the Shingle Creek Watershed Management Commission has recently completed preparation of a proposed management plan for the Shingle Creek Watershed, and a special report entitled "Twin Lakes/Ryan Lake Outlet Modification"; and has adopted a resolution establishing a Capital Improvements Policy, and

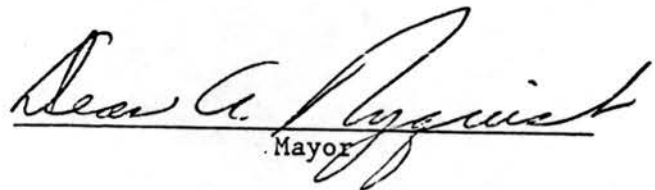
WHEREAS, the Watershed Plan, the proposed outlet modification, and the capital improvement policy provide a basis for proceeding with improvements to the Twin Lakes/Ryan Lake outlet which will reduce flood damage resulting from high waters while protecting normal water levels.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL of the City of Brooklyn Center, Minnesota:

1. That the City of Brooklyn Center hereby requests the Shingle Creek Watershed Management Commission to conduct a feasibility study for implementation of the Twin Lakes/Ryan Lake Outlet Modification.
2. That the Crystal City Council and the Robbinsdale City Council are hereby requested to support this request by the adoption of similar resolutions.

February 13, 1989

Date


Mayor

ATTEST:


Clerk

The motion for the adoption of the foregoing resolution was duly seconded by member Todd Paulson, and upon vote being taken thereon, the following voted in favor thereof: Dean Nyquist, Gene Lhotka, Jerry Pedlar, and Todd Paulson; and the following voted against the same: none, whereupon said resolution was declared duly passed and adopted.



4141 Douglas Drive North • Crystal, MN 55422-1696 • 537-8421

ADMINISTRATIVE OFFICE

STATE OF MINNESOTA)

COUNTY OF HENNEPIN) ss

CITY OF CRYSTAL

I, Darlene George, duly appointed and qualified City Clerk of the City of Crystal, do hereby certify that the attached is a true and correct copy of the original Resolution No. 89-10 pertaining to preparation of a feasibility study for Twin Lake/Ryan Lake outlet modifications, which was adopted by the Crystal City Council at its regular meeting held on March 7, 1989.

Witness my hand as such City Clerk and the corporate seal of said City of Crystal this 8th day of March, 19 89.

Darlene George
Darlene George
City Clerk
City of Crystal

SEAL :

RESOLUTION NO. 89-10

RESOLUTION REQUESTING SHINGLE CREEK WATERSHED
MANAGEMENT COMMISSION TO PREPARE A
FEASIBILITY STUDY FOR TWIN LAKE/RYAN
LAKE OUTLET MODIFICATIONS

WHEREAS, areas within Crystal, Robbinsdale and Brooklyn Center which lie adjacent to Twin Lake and Ryan Lake experience wide fluctuations in lake water levels that can result in considerable flooding damage, and

WHEREAS, previous preliminary studies indicate outlet modifications at Twin Lake and Ryan Lake can lower flood levels and reduce the resultant damage.

NOW, THEREFORE, BE IT RESOLVED that the Crystal City Council hereby requests the Shingle Creek Watershed Management Commission prepare a feasibility study detailing improvements by which flooding around Twin Lake and Ryan Lake may be reduced but the low lake levels protected. Said improvement study shall include cost data describing the Commission's involvement and the participation level estimated for each member municipality.

Adopted this 7th day of March, 1989.

Betty Hughes
Mayor

ATTEST:

Darlene George
City Clerk

Robbinsdale

Member Ruffenach and Member Holtz seconded a motion that the following resolution be read and adopted this 7th day of March, 1989.

RESOLUTION NO. 4154

RESOLUTION REQUESTING THE SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION TO CONDUCT A FEASIBILITY STUDY OF THE TWIN LAKES/RYAN LAKE OUTLET MODIFICATION THAT INCLUDES FUNDING OPTIONS AND RETURN SUCH STUDY TO THE CITY OF ROBBINSDALE FOR FURTHER REVIEW AND CONSIDERATION

WHEREAS, areas within the Cities of Brooklyn Center, Crystal and Robbinsdale which lie adjacent to the Twin Lakes and to Ryan Lake experience wide fluctuations in lake water levels, sometimes resulting in considerable flooding damage; and

WHEREAS, the Shingle Creek Watershed Management Commission has recently completed preparation of a proposed management plan for the Shingle Creek Watershed, and a special report entitled "Twin Lakes/Ryan Lake Outlet Modification"; and has adopted a resolution establishing a Capital Improvements Policy, and

WHEREAS, the Watershed Plan, the proposed outlet modification, and the capital improvement policy provide a basis for proceeding with improvements to the Twin Lakes/Ryan Lake outlet which will reduce flood damage resulting from high waters while protecting normal water levels.

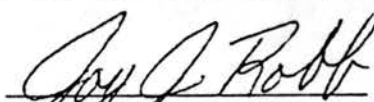
NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL of the City of Robbinsdale, Minnesota, that the City of Robbinsdale hereby requests the Shingle Creek Watershed Management Commission to conduct a feasibility study for the Twin Lakes/Ryan Lake Outlet Modification that includes funding options and return such study to the City of Robbinsdale for further review and consideration.

The question was on the adoption of the resolution and upon a vote being taken thereon the following voted in favor thereof:

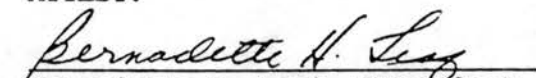
Ruffenach, Holtz, Johnson, Mayor Robb
and the following voted against the same: NONE

ABSENT: BLONIGAN

WHEREUPON SAID RESOLUTION WAS DECLARED DULY PASSED AND ADOPTED THIS 7th DAY OF March, 1989.


Joy J. Robb, Mayor

ATTEST:


Bernadette H. Leaf, City Clerk
(seal)

STATE OF MINNESOTA,
COUNTY OF HENNEPIN,
CITY OF ROBBINSDALE

I, Bernadette H. Leaf, City Clerk of the City of Robbinsdale, Hennepin County, Minnesota do hereby certify that I have compared the foregoing copy of resolution of the City Council of the City of Robbinsdale with the original record of such resolution in the minutes of the proceedings of said City Council held on March 7, 19 89 and that the same is a true and correct copy of said original record and that said resolution was duly adopted by said City Council at said meeting.

In Witness whereof I have hereunto set my hand and seal this 9th day of March, 19 89.


CITY CLERK

(Seal)

APPENDIX B

Cost estimate prepared by Minneapolis to increase the
size of the proposed storm sewer enclosure of Ryan Creek
from 54-inch pipe to a 60-inch pipe

DEPARTMENT OF PUBLIC WORKS
203 CITY HALL
MINNEAPOLIS, MINNESOTA 55415

PERRY D. SMITH, P.E.
CITY ENGINEER - DIRECTOR OF PUBLIC WORKS

MARVIN A. HOSHAW, P.E.
DEPUTY CITY ENGINEER

J. M. GARBER DIRECTOR, ADMINISTRATION
J. F. HAYEK DIRECTOR, WATER WORKS
R. KANNANKUTTY DIRECTOR, ENGR'G DESIGN
M. J. KROENING DIRECTOR, GEN'L SERVICES
B. J. LOKESMOE DIRECTOR, OPERATIONS
A. E. MADISON MANAGER, FINANCE
M. J. MONAHAN DIRECTOR, TRAFFIC ENGR'G
T. B. SADLER SUPERINTENDENT, EQUIPMENT
S. J. SKOKAN MANAGER, PUBLIC WORKS BILLING

minneapolis

city of lakes

RECEIVED

MAY 30 89

JMM / Minnesota

May 26, 1989

Dale Claridge
JMM/Hickok, Consulting Engineers
545 Indian Mound
Wayzata, MN 55391

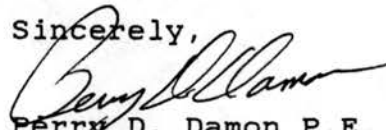
Re: Estimate to oversize Ryan Creek enclosure (54" to 60")

Dear Dale:

Enclosed are two estimates on the enclosing of Ryan Creek from Oliver to Sheridan Ave. N. Our original estimate for 54" reinforced concrete pipe was \$384,010.75. The revised estimate using 60" reinforced concrete pipe is \$420,689.17 which is a \$36,678.42 cost increase.

I am also enclosing a copy of our cost estimate data sheet which we use for estimating construction costs.

Sincerely,



Perry D. Damon P.E.
Sewer Design Engineer
Engineering Design

AFFIRMATIVE ACTION EMPLOYER

TTY/VOICE (612) 348-2157



CITY OF MINNEAPOLIS
SEWER CONSTRUCTION COST ESTIMATE

EST. NO. 1148

DATE: 4/4/88

PROJECT: RYAN CREEK (SHERIDAN TO OLIVER) 54" PIPE

SEWER PROJECT NO. PD7288

ITEM	DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL COST
812	12" R.C.P. CL.II	LF	28	14.80	414.40
854	54" R.C.P. CL.II F&I	LF	1138	178.00	202564.00
511	CONSTRUCT MANHOLE-60" DIA.	LF	24	175.00	4200.00
500	CONSTRUCT INLET STRUCTURE	EACH	1	15000.00	15000.00
500	CONSTRUCT LARGE CHAMBER	EACH	1	8500.00	8500.00
530	CASTING ASSEMBLY-R&C	EACH	5	321.00	1605.00
507	EXCAVATION	CY	5235	6.80	35598.00
515	BACKFILL OF EXCAVATION	CY	4194	5.70	23905.80
527	SAND FILL	CY	40	11.00	440.00
516	COMPACTION	CY	4234	2.40	10161.60
517	REMOVE EXCAVATED MATERIAL	CY	500	12.00	6000.00
523	TURF ESTABLISHMENT	SY	1890	5.40	10206.00
519	REPAIR STREET (OIL DIRT)	SY	60	24.00	1440.00
521	CONCRETE CURB B-6	LF	90	9.50	855.00
708	CUT AND LOOP WATER MAIN	EACH	2	2000.00	4000.00
	TRAFFIC CONTROL	LS	1	2500.00	2500.00
	LOCATION OF UTILITIES	LS	1	4500.00	4500.00
	MOBILIZATION 508,515,524,525	LS	1	3500.00	3500.00
	MISC. (561,562,563,564)	LS	1	5000.00	5000.00

712 ENGINEERING DESIGN @ 9.0%

COMPTROLLER-TREASURER @ 3.5%

S U B T O T A L = 340389.80
30635.08

S U B T O T A L = 371024.88
12985.87

T O T A L = 384010.75

CITY OF MINNEAPOLIS
SEWER CONSTRUCTION COST ESTIMATE

EST. NO. 0048

DATE: 5/11/89

PROJECT: RYAN CREEK (SHERIDAN TO OLIVER) 60" PIPE

SEWER PROJECT NO. PD7288

ITEM	DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL COST
812	12" R.C.P. CL.II	LF	28	14.80	414.40
860	60" R.C.P. CL.II	LF	1138	206.00	234428.00
511	CONSTRUCT MANHOLE-72" DIA.	LF	24	202.00	4848.00
500	CONSTRUCT INLET STRUCTURE	EACH	1	15000.00	15000.00
500	CONSTRUCT LARGE CHAMBER	EACH	1	8500.00	8500.00
530	CASTING ASSEMBLY-R&C	EACH	5	321.00	1605.00
507	EXCAVATION	CY	5235	6.80	35598.00
515	BACKFILL OF EXCAVATION	CY	4194	5.70	23905.80
527	SAND FILL	CY	40	11.00	440.00
516	COMPACTION	CY	4234	2.40	10161.60
517	REMOVE EXCAVATED MATERIAL	CY	500	12.00	6000.00
523	TURF ESTABLISHMENT	SY	1890	5.40	10206.00
519	REPAIR STREET (OIL DIRT)	SY	60	24.00	1440.00
521	CONCRETE CURB B-6	LF	90	9.50	855.00
708	CUT AND LOOP WATER MAIN	EACH	2	2000.00	4000.00
	TRAFFIC CONTROL	LS	1	2500.00	2500.00
	LOCATION OF UTILITIES	LS	1	4500.00	4500.00
	MOBILIZATION 508,515,524,525	LS	1	3500.00	3500.00
	MISC. (561,562,563,564)	LS	1	5000.00	5000.00

S U B T O T A L = 372901.80
33561.16

712 ENGINEERING DESIGN @ 9.0%

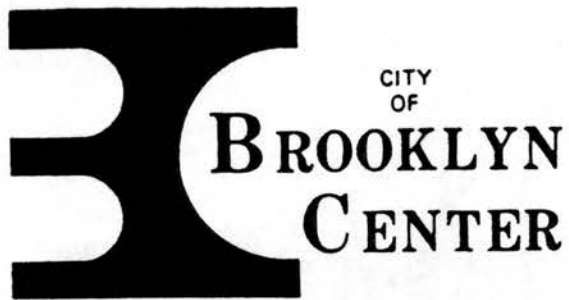
S U B T O T A L = 406462.96
14226.20

COMPTROLLER-TREASURER @ 3.5%

T O T A L = 420689.17

APPENDIX C

Resolution adopted by Brooklyn Center
agreeing to pay the cost for construction
of the weir at France Avenue and any
right-of-way costs that may be required



6301 SHINGLE CREEK PARKWAY
BROOKLYN CENTER, MINNESOTA 55430
TELEPHONE 561-5440
EMERGENCY - POLICE - FIRE
911

June 27, 1989

Mr. Neil Johnson, Chairman
Shingle Creek Watershed Management Commission
Brooklyn Park City Hall
5800 - 85th Avenue North
Brooklyn Park, MN 55443

Re: Twin Lakes/Ryan Lake Outlet Modifications

Dear Neil:

Enclosed is a certified copy of Resolution No. 89-123, which was adopted by the Brooklyn Center City Council on June 26, 1989, wherein Brooklyn Center agrees to pay the \$700 estimated costs for construction of the weir and the right-of-way costs related thereto.

In addition, please note that our Council requests that the Commission commence proceedings to accomplish construction of this proposed improvement.

Yours very truly,

Sy Knapp
Director of Public Works

Enclosure
cc: Judie Anderson, Recording Secretary



STATE OF MINNESOTA)
COUNTY OF HENNEPIN)
CITY OF BROOKLYN CENTER)

ss. Certification as to Extract of Minutes

I, the undersigned, being the duly qualified and acting Clerk of the City of Brooklyn Center, Minnesota do hereby certify as follows:

1. That attached hereto is an extract of minutes of a regular meeting of the City Council of said City held on June 26, 1989.
2. That said meeting was held pursuant to due call and notice thereof and was duly held at the City Hall in said City at 7 p.m.
3. That I have carefully compared the attached extract of minutes with the original thereof on file in my office and the same is a full, true and complete transcript therefrom insofar as the same related to

Resolution No. 89-123

WITNESS, my hand as such Clerk and the Corporate seal of the City this 27th day of June, 1989.

D.K. Weeks

City Clerk
CITY OF BROOKLYN CENTER, MINNESOTA

(Seal)

Member Celia Scott introduced the following resolution and moved its adoption:

RESOLUTION NO. 89-123

RESOLUTION APPROVING PROPOSED COST DISTRIBUTION FOR TWIN LAKES/RYAN LAKE OUTLET MODIFICATIONS

WHEREAS, on February 13, 1989, the Brooklyn Center City Council adopted Resolution No. 89-30 requesting the Shingle Creek Watershed Management Commission (SCWMC) to conduct a feasibility study for implementation of the Twin Lakes/Ryan Lake Outlet Modification; and

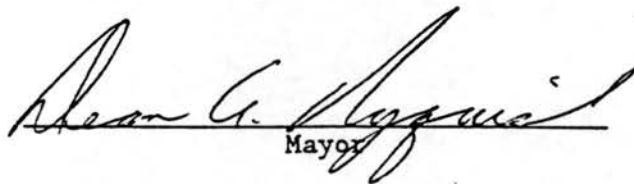
WHEREAS, the SCWMC has completed a draft copy of that study and the Brooklyn Center City Council has reviewed that study and concurs with its findings.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL of the City of Brooklyn Center, Minnesota:

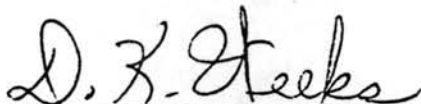
1. that this Council recommends acceptance and approval of that study by the SCWMC;
2. that this Council agrees with the cost distribution formula as described in that report and specifically agrees that the estimated \$700 cost for construction of a weir, and right-of-way costs related thereto should be considered as a local improvement benefiting the City of Brooklyn Center; and
3. that the SCWMC is hereby requested to commence proceedings to accomplish construction of this proposed improvement.

June 26, 1989

Date


Mayor

ATTEST:


Clerk

The motion for the adoption of the foregoing resolution was duly seconded by member Todd Paulson, and upon vote being taken thereon, the following voted in favor thereof: Dean Nyquist, Celia Scott, Todd Paulson, Jerry Pedlar, and Philip Cohen; and the following voted against the same: none, whereupon said resolution was declared duly passed and adopted.

Darlene

STAFF MEETING AGENDA

Community Room

11:00 A.M., Thursday, November 30, 1989

1. Council Agenda
2. Orientation Program
3. Miscellaneous

COUNCIL AGENDA - SUMMARY

COUNCIL MEETING OF
DECEMBER 5, 1989

Call to order

Roll call

Pledge of Allegiance to the Flag

Acceptance of Certificate of Commendation from Governor Perpich for providing affordable housing in Crystal through the Minnesota Communities Program.

Approval of the minutes of the regular meeting of November 21, 1989.

Public Hearings

1. Public hearing to consider the 1990 City Budget.

Regular Agenda Items

1. Consideration of Ordinance Amendment and Resolution Related to Utility Rate Increases.
2. Interview of four attorney firms for Municipal Legal Services for the City of Crystal.
3. Reconsideration of condition(s) for operation of outside cafe as requested from Steve O's.
4. Appearance of Mary Linkner, owner of The Clothes Exchange, 2712 Douglas Drive, to discuss her second-hand goods' license.
5. Consideration of a variance of 5' in the required 30' front yard setback for a 6' x 14' screened porch which encroaches in the required 30' front yard setback at 5423 Welcome Avenue North.
6. Consideration of a variance of 9' in the required 10' side street side yard setback for a 11' x 12' detached shed at 5955 Jersey Avenue North.
7. Consideration of a variance of 9' to the required 10' setback for a free standing sign at 5200 Douglas Drive.
8. Consideration of Second Reading of an Ordinance Relating to Building Construction.

9. Consideration of the gambling license renewal application for Minnesota Therapeutic Camp at Rostamos.
10. Consideration of Tax Increment Policy Statement of Northern Mayors Association.
11. Consideration of observations made by George M. Hansen Company, Auditors, relating to the system of internal control and accounting procedures.
12. Consideration of a report from the Environmental Quality Commission on the need for a housing maintenance code in Crystal.
13. Consideration of Planning Commission recommendation regarding Long Range Planning Commission work items and status.

Open Forum

Informal Discussion and Announcements

Licenses

Adjournment

APPLICATIONS FOR LICENSE
DECEMBER 5, 1989

FOOD ESTABLISHMENT - Special Food Handling (\$35.00)

Chalet Liquors, Inc., 5301 36th Avenue North
Crystal E-Z Stop, 4800 56th Ave. No.

FOOD ESTABLISHMENT - Restaurant (Exempt)

Senior Citizens Center, 4947 West Broadway
Crystal Park & Rec. Dept. at Municipal Pool
Crystal Park & Rec. Dept. at Becker Park
Crystal Park & Rec. Dept. at Valley Place

FOOD ESTABLISHMENT - Churches (Exempt)

St. Raphael's Catholic Church & School, 7301 56th Ave. No.
Church of the Open Door, 6421 45th Avenue North

FOOD ESTABLISHMENT - Retail (Exempt)

N.E.A.R. Food Shelf, 4801 Welcome Avenue North

GAS FITTER'S LICENSE - \$30.25

Central Heating & Air, 2020 Silver Bell Road, Eagan, MN 55122

GAS FITTER'S LICENSE - \$30.25 - Renewals

Superior Contractors, 6121 42nd Ave. N., Crystal, MN 55422

DelMar Furnace Exchange, 4080 83rd Ave. N., Brooklyn Park, MN 55443

Boedeker Plumbing & Heating, 2905 Garfield Ave. S., Minneapolis, MN 55408

Fred Vogt & Co., 3260 Gorham Ave., Minneapolis, MN 55426

Home Energy Center, 12827 Industrial Park Blvd., Plymouth, MN 55441

Standard Heating & Air Conditioning, 410 W. Lake St., Minneapolis, MN 55408

Minnegasco, Inc., 201 South 7th St., Minneapolis, MN 55402

Golden Valley Heating & Air Conditioning, 5182 West Broadway, Crystal, MN 55429

Owens Service Corp., 930 E. 80th St., Bloomington, MN 55420

Thermex Corp. 4850 Park Glen Road, Minneapolis, MN 55416

PLUMBER'S LICENSE - \$30.25 - Renewals

Boedeker Plumbing & Heating, 2905 Garfield Ave. S., Minneapolis, MN 55408

1990 LICENSE RENEWALS

CIGARETTES - \$30.00 each machine and/or over counter sales

Crown Coco, Inc. dba E-Z Stop Stores, 4800 - 56th Ave. N.
Chalet Liquor, Inc., 5301 - 36th Ave. N.
Modern Tool, Inc., 5217 Hanson Court

GASOLINE STATIONS - \$50.00 station + \$7.25 each hose connection

Crown Coco, Inc. dba E-Z Stop Stores, 4800 - 56th Ave. N.

BULK STORAGE OF GASOLINE AND/OR OIL - (wholesale) - \$72.75 each location

Sipe and Gray Oil Company, Crystal Soo Tracks
Sipe and Gray Oil Company, Douglas Drive Soo Tracks

ORDINANCE NO. 89-_____

AN ORDINANCE RELATING TO BUILDING CONSTRUCTION:
AMENDING CRYSTAL CITY CODE SECTION 400
BY ADDING A SUBSECTION: REPEALING
CRYSTAL CITY CODE, SUBSECTION 400.01

THE CITY OF CRYSTAL ORDAINS:

Section 1. Crystal City Code, Section 400 is amended by adding subsection to read:

"401.02. State Building Code. Subdivision 1. Code Adoption. The Building Code of the State of Minnesota, authorized by Minnesota Statutes, Sections 16B.60 to 16B.73, and embodied in the Rules of the Commissioner of Administration, is the Building Code of the City, and is a part of this Code as completely as if fully set forth herein. A copy of the State Building Code shall be kept available for public use in the office of the Building Official.

Subd. 2. Procedures and Administration.

(a) As provided in the 1987 State Building Code, the following are hereby adopted by reference:

- (1) 1985 Edition of the Uniform Building Code, identified as "UBC".
- (2) 1984 Edition of the National Electrical Code, identified as "NEC".
- (3) American National Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, identified as ANSI A17.1-1984 and Supplement, ANSI A17.1a-1985.
- (4) Minnesota Plumbing Code, identified in the Minnesota State Building Code as Chapter 1355, 1987 Edition.
- (5) "Flood Proofing Regulations", June, 1972, Office of the Chief of Engineers, U.S. Army, identified in the Minnesota Statute Building Code as Chapter 1335.

- (6) One and Two Family Dwelling Code, 1975 Edition.
 - (7) Minnesota Heating, Ventilation, Air Conditioning and Refrigeration Code, identified in the Minnesota State Building Code as Chapter 1345.
 - (8) 1983 Model Energy Code, identified in the Minnesota State Building Code as Chapter 4215.
 - (9) Solar Energy Systems, identified in the Minnesota Statute Building Code as Chapter 1325.
 - (10) State of Minnesota Manufactured Home Rules, 1983 Edition, identified in the Minnesota State Building Code as Chapter 1350.
 - (11) Minnesota Prefabricated Building Code, identified in the Minnesota State Building Code as Chapter 1360.
 - (12) Technical Requirements for Fallout Shelters, identified in the Minnesota State Building Code as Chapter 1330.
 - (13) Variations in Snow Loads, identified in the Minnesota State Building Code as Chapter 1365.
 - (14) 1985 Uniform Building Code Appendix Chapter 35 (Sound Transmission Control).
- (b) The following Appendices, Standards and Supplemental Materials are not a mandatory part of the State Code but are adopted by reference for the City of Crystal and are incorporated into this Code as completely as if set out in full.
- (1) The following Chapters from the 1985 UBC Appendix:
 - Chapter 1. (Life Safety Requirements for Existing Buildings other than High-Rise Buildings)
 - Chapter 7. (Covered Mall Buildings)
 - Chapter 38. (Basement Pipe Inlets)
 - Chapter 55. (Membrane Structures)
 - Chapter 70. (Excavation and Grading)
 - (2) Flood Proofing Regulations, Sections 200.2 through 205.3, Chapter 1335 of the Minnesota State Building Code.

Sec. 2. Crystal City Code, Subsection 400.01 is repealed.

Sec. 3. This ordinance is effective in accordance with Crystal City Code, Subsection 110.11.

Mayor

Attest:

Clerk

Ordinance 1

1989
ECONOMIC DEVELOPMENT AUTHORITY ADVISORY COMMISSION
CITY OF CRYSTAL

<u>Name</u>	<u>Address</u>	<u>Date Appointed</u>	<u>Phone #</u>	<u>Term Expires</u>
1. Arthur Cunningham (W-1)	7720 - 36th Av.#310 55427	11-08-89	544-6557	1991
2. Gail M. Wawrzyniak (W-4)	5646 Regent Av. N. 55429	11-08-89 (work)	533-7461 349-6868	1991
3. John Neznik (Business)	16110-46th Ave. Plymouth 55446	11-08-89 (work)	559-1210 533-0412	1991
4. Merle D. Mattson (Business)	4713 - 36th Av.N. 55422	11-08-89 (work)	553-1747 588-9449	1991
5. Jame A. Elsen (Planning Comm.)	5419 Maryland Av.N. 55428	11-08-89	537-8595	1991
6. Paulette Magnuson (Planning Comm.)	3159 Jersey Av.N. 55427	11-08-89 (work)	546-5046 542-3118	1991
7. Mark G. Hoffmann (City at large)	3307 Zane Av. N. 55422	11-08-89 (work)	536-0385 347-7659	1991
8. Anthony W. Brace (W-2)	4169 Adair Av.N. 55422	11-08-89 (work)	533-3086 535-2604	1991
9. (W-3)				
10. (Over age 55)				



4141 Douglas Drive North • Crystal, MN 55422-1696 • 537-8421

ADMINISTRATIVE OFFICE

November 16, 1989

Mr. Dan Donahue, City Manager
City of New Hope
4401 Xylon Avenue North
New Hope, MN 55428

Dear Mr. Donahue:

This office recently conducted a public meeting with Crystal residents in the area of the Sumter Avenue/Lamphere Drive barricade. While numerous comments and concerns were raised, the roadway closure was generally supported. Two conditions, however, were repeatedly voiced in regards to a permanent structure:

- 1) The existing barricade should be removed and rebuilt with a structure that better allows for pedestrian and bicycle movements. Also, the structure should be designed to fit the area in terms of an aesthetic layout with landscaping.
- 2) The structure should be moved south 15 to 25 feet (as much as possible) to lessen the impact on the driveway at 2947 Sumter Ave. N., allow for increased snow storage and afford better access to the nearby fire hydrant.

Crystal feels these comments represent realistic proposals and would ask New Hope to review the structure and address the recommendation if the structure is to be made permanent. Your attention to this matter is appreciated.

Sincerely,

William Monk
City Engineer

WM:jrs

Encl

cc: Mayor and Council
Jerry Dulgar

CRYSTAL PLANNING COMMISSION MINUTES

November 13, 1989

The meeting of the Crystal Planning Commission convened at 7:00 p.m. with the following present: Anderson, Barden, Christopher, Elsen, Feyereisen, Guertin, Kamp, Magnuson Nystrom and Smith; also present were Building Inspector Barber, City Engineer Monk and Recording Secretary Scofield.

Moved by Commissioner Magnuson and seconded by Commissioner Elsen to approve the minutes of the October 9, 1989, meeting.
Motion carried.

1. Chairperson Feyereisen declared this was the time and the place as advertised for a public hearing to consider Application #89-34 of Pravin Bhakta for rezoning a portion of the property from R-1 (Single Family Residential) District to B-3 (Auto-Oriented Commercial) District at 6000 Lakeland Ave. N. City Engineer stated applicant proposes expanding the motel by constructing a 22-unit, two-story addition but there is a concern about an adequate buffer between commercial and single family residential. The proponent, Denis Villella, real estate consultant to Pravin Bhakta, presented the following: Plans to have a Spanish style building, leave garage, has a buffer of a solid fence, vegetation and space, and wants to start construction yet this year.

The following were heard: Cliff Gawtry, 6329 Lombardy Lane, was concerned with the water table and drainage, and Michael Baillargeon, 6400 - 60th Ave. N., questioned the buffer and close proximity to the new single family residences.

Moved by Commissioner Magnuson and seconded by Commissioner Nystrom to continue until December 11, 1989, the discussion of Application #89-34, as submitted by Pravin Bhakta, to rezone a portion of the property from R-1 (Single Family Residential) District to B-3 (Auto-Oriented Commercial) District; so entire property will be zoned B-3 at 6000 Lakeland Ave. N., legally described as Lot 1, Block 1, Liberty Estates, and requested Mr. Bhakta submit proposed building plans at that time which provide a more definitive buffer between the commercial and residential uses.

Motion carried.

2. Chairperson Feyereisen declared this was the time and the place as advertised for a public hearing to consider Application #89-36 as submitted by Robert Ayers (Car-X Muffler Shop) to rezone from B-4 (Community Commercial) District to B-3 (Auto-Oriented Commercial) District and

November 13, 1989 - Continued

#89-37 for a conditional use permit to allow an auto repair-minor facility in a B-3 District at 3343 Vera Cruz Ave. N. The City Engineer stated problems with increased noise in the area, Highway Department may upgrade the 36th Ave. intersection and Hwy 100 but can't deny a proposal of owner of property in the area because an improvement may come along, bays should not directly face single family properties, need for more landscaping and buffering, because frontage road is one-way traffic must circulate through residential neighborhood, and more truck traffic. The proponents presented the following: Robert Ayers, Dave Kievet and Rick Behrens want building as close to highway as possible (Chalet Ski and Patio is closer to highway); willing to put up buffer of fencing, etc.; Car-X Muffler Shop rated second of national muffler shop franchises in country by "Consumer Reports;" dumpsters for paper products and old mufflers will be enclosed; delivery trucks will deliver once a week; hours will be for six days a week Tues., Wed. and Fri. 8 a.m. to 5:30 p.m., Mon. and Thurs. 8 a.m. to 8 p.m. and Sat. 8 a.m. to 3 p.m.; there is noise from Highway 100 and most mufflers taken off by blow torch; traffic of 20 to 25 cars repaired daily which would be a much lower traffic rate than a convenience store or dry cleaning establishment and drainage would stay the same with more surface water running off to Vera Cruz.

The following were heard:

Marlene Nelson, 3324 Welcome Ave. N.
Durwin Ward, 3356 Welcome Ave. N.
Angie Nord, 3332 Welcome Ave. N.
Don Persons, 3340 Welcome Ave. N.
Margaret Hajder, 5600 - 35th Ave. N.
Charles Hillstrom, Owner of 3333 Vera Cruz Ave. N.

The following concerns were presented: Increased traffic, noise from eight bays in auto repair shop, cars do not respect the 4-way stop signs now making it difficult for children to catch bus, franchisee not concerned with State's highway plans, view of Car-X Muffler Shop, moving dirt from front of lot to rear will cause flooding into yards, pollution from traffic already bad, don't need muffler service and impossible to build a high enough fence for screening.

Moved by Commissioner Barden and seconded by Commissioner Magnuson to close the public hearing.

Motion carried.

Moved by Commissioner Christopher and seconded by Commissioner Magnuson to recommend to the City Council to deny Application #89-36, as submitted by Robert Ayers (Car-X Muffler Shop) to rezone from B-4 (Community Commercial) District to B-3 (Auto-Oriented Commercial) District and #89-37 for a conditional use permit to allow an auto

November 13, 1989 - Continued

repair-minor facility in a B-3 District at 3343 Vera Cruz Ave. N., Lot 2, Block 6, Rosedale Acres.

The findings of fact are: No apparent need for this service demonstrated, buffer insufficient, noise issue, spot zoning and inconsistent with Comprehensive Plan.

The following voted aye: Anderson, Christopher, Elsen, Feyereisen, Guertin, Kamp, Magnuson and Nystrom. The following voted no: Barden and Smith.

Motion carried 8 to 2.

3. No action on a building permit for construction of a Car-X Muffler Shop building at 3343 Vera Cruz Ave. N., as requested by Kievet Construction Services, because rezoning and conditional use permit not recommended for approval.
4. Consideration of Variance Application #89-39 for a screened porch which encroaches in the required 30' front yard setback at 5423 Welcome Ave. N., as requested by Charles L. Jordan.

Moved by Commissioner Magnuson and seconded by Commissioner Barden that pursuant to Section 515.55 of the Crystal City Code to recommend to the City Council to deny granting a variance of 5' in the required 30' front yard setback for a 6' x 14' screened porch on the existing house at 5423 Welcome Ave N., P.I.D. #04-118-21-34-0123, as requested in Application #89-39 of Charles L. Jordan.

The findings of fact are: Really don't feel a hardship demonstrated, ample area that deck could be moved to and be consistent with ordinance, setting a precedent allowing construction in front yard setback and setting a precedent granting variances automatically for something already built.

The following voted aye: Anderson, Barden, Elsen, Feyereisen, Guertin, Kamp, Magnuson, Nystrom and Smith. The following voted no: Christopher.

Motion carried 9 to 1.

5. Consideration of Variance Application #89-41 for a detached shed which encroaches in the required 10' side street side yard setback at 5955 Jersey Ave. N., as requested by Gregory A. Johnson.

Moved by Commissioner Barden and seconded by Commissioner Elsen that pursuant to Section 515.55 of the Crystal City Code to recommend to the City Council to deny granting a variance of 9' in the required 10' side street side yard setback for a 11' x 12' detached shed at 5955 Jersey Ave N., P.I.D. #05-118-21-13-0051, as requested in Application #89-41 of Gregory A. Johnson.

November 13, 1989 - Continued

The findings of fact are: No hardship demonstrated, too large a variance and exceeds percentage of coverage for accessory buildings.

Motion carried.

6. Consideration of Application #89-42 of Bill Nicklow (St. Anthony Shopping Center) for a conditional use permit to allow an amusement center in a B-4 (Community Commercial) District at 5311 - 36th Avenue North.

Moved by Commissioner Christopher and seconded by Commissioner Kamp to set a public hearing before the Planning Commission at 7:00 p.m., or as soon thereafter as the matter may be heard, Monday, December 11, 1989, to consider the request of Bill Nicklow (St. Anthony Shopping Center) in Application #89-42 for a conditional use permit to allow an amusement center in a B-4 (Community Commercial) District (Section 515.37, Subd. 2 c), property located at 5311 - 36th Avenue North, P.I.D. #07-029-24-22-0076.

Motion carried.

7. Discussion items:

- A. Long-Range Planning Commission being phased out.

Moved by Commissioner Anderson and seconded by Commissioner Elsen to recommend that the City Council give appropriate Long-Range Planning Commission duties to the Planning Commission and make the Long-Range Planning Commission inactive.

- B. Suggestion of establishing Planning Commission as Board of Adjustments and Appeals; so Planning Commission gives final approval. If Planning Commission denies a variance, it would go to City Council. Applicant gets quicker action by this method.

- C. Suggestion regarding buffer between commercial and residential to place trees, etc. on resident's side of fence--would move the fence away from lot line into the commercial property.

Moved by Commissioner Magnuson and seconded by Commissioner Barden to adjourn.

Motion carried.

The meeting adjourned at 9:10 p.m.

Chairperson Feyereisen

Secretary Barden