CITY of

ST. LOUIS PARK

January 16, 1967

Mr. Raymond B. Drake, P.E.
Village Engineer
Village of Edina, Minnesota

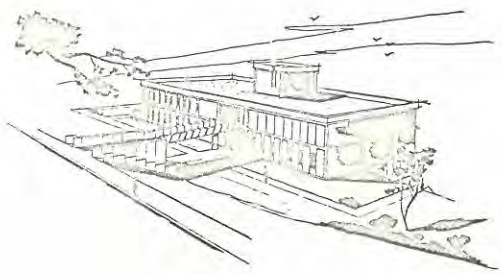
Re: Storm Sewer Project 62-85
Southeast St. Louis Park

Dear Ray:

Please find enclosed our report and assessment map as presented to the Council on January 8, 1968. The City Council has set the hearing for this project for February 5th. If you have any comments or suggestions on the report we would be glad to hear them.

I would also like to call to your attention the necessity for coordinating our bench mark systems in the design of this project. I would like to suggest that our Engineering Department set the bench mark in the vicinity of the west end of the trunk line at Quentin Avenue south of 41st Street, and that your Engineering Department check into this bench mark with your levels from France Avenue. I presume that you will also coordinate your bench mark system with that of Minneapolis from Calhoun to France.

The reason I raise this question is that there is always the possibility of a difference in the bench marks, and it would be best if a line of levels were run from Lake Calhoun up to Princeton Avenue in St. Louis Park so that we could check them out and all be on the same bench mark system without any errors when this is being done actually as three separate projects.



5005 minnetonka boulevard
st. louis park, minnesota 55416 phone 920-3000

Mr. Raymond B. Drake, P.E.

I would appreciate it if we could make this check prior to completing the plans; our Engineering Department would like to cooperate in any way possible. I would appreciate it if you would contact Mr. Joe Zikan to make this check as far as future extensions from Princeton Avenue are concerned.

Yours very truly,

R. O. Folland, P.E.
Director of Public Works

ROF:lh

cc. J. Zikan
J. Dickson, Barr Engr.
Wm. Ridge, Mpls. 330 - 2405

COST ESTIMATE - TRUNK STORM SEWER

ST. LOUIS PARK - EDINA

LINE	LOCATION	DRAINAGE AREA TOTAL	DRAINAGE AREA ST. LOUIS PARK	DRAINAGE AREA EDINA	SEWER SIZE	CAPACITY	COST ESTIMATE TOTAL	COST ESTIMATE ST. LOUIS PARK	COST ESTIMATE EDINA
A		105.8	105.8	0.0	48"	84 (73)***			
1	on 41st Street Natchez to Monterey	144.8	137.9	6.9	54"	152 (93)	14,025	13,600	425
2	on Monterey 41st to Natchez	4.8	1.1	3.7	18"	8	4,390	1,010	3,380
3	on 41st Street Monterey to Lynn	153.9	139.0	14.9	54"	159 (99)	22,095	19,995	2,100
4	on 41st Street Lynn to Kipling	158.4	139.0	19.4	42"	60 (74)	61,520*	54,000	7,520
5	on 41st Street Kipling of Joppa	174.4	139.0	35.4	42"	60 (74)	12,175	9,675	2,500
6	on Joppa Inglewood to 41st Street	17.8	13.2	4.6	27"	24	4,955	3,680	1,275
7	on 41st Street extended Joppa to pond outlet	198.1	152.2	45.9	42"	60	21,920	16,820	5,100
8	west side Minneapolis W. D. Prop. S½	333.5	156.6	176.9	30"	22	73,295**	34,450	38,845
9	Thru School Prop. Inglewood to Minneapolis W. D. Property	6.9	3.7	3.2	18"	8	3,982	2,140	1,842
10	west side Minneapolis W. D. Prop. N ½	344.2	160.3	183.9	30"	22	16,780	7,830	8,950
11	north side Minneapolis W. D. Prop.	354.2	168.0	186.2	30"	22	31,065	14,750	16,315
12	France Avenue Mpls. W. D. Prop. to 39th Avenue	376.2	190.0	186.2	30"	22	8,205	4,150	4,055
	TOTAL	376.2	190.0	186.2			$274,407	182,100	92,307

* This cost includes the $39,900 which will be delayed for future construction.
** This cost includes the $62,088 which is the cost of the pond.
( )*** Capacity of line until inundation area is constructed

COST ESTIM - TRUNK STORM SEWER, ST. LOUI 'ARK - EDINA

LINE	LOCATION	DRAINAGE AREA TOTAL	DRAINAGE AREA ST. LOUIS PARK	DRAINAGE AREA EDINA	SEWER SIZE	CAPACITY	COST ESTIMATE TOTAL	COST ESTIMATE ST. LOUIS PARK	COST ESTIMATE EDINA
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3	on 41st Street Monterey to Lynn	153.9	139.0	14.9	54"	159 (99)***	22,095	19,995	2,100
4	on 41st Street Lynn to Kipling	158.4	139.0	19.4	42"	60 (74)***	61,520*	54,000	7,520
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	TOTAL	376.2	190.0	186.2			$274,407	182,100	92,307

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( )*** Capacity of line until innundation area is constructed.

ST. LOUIS PARK--EDINA SYSTEM

Location	Size Sewer	Estimated Cost
on 41st Street Natchez to Monterey	54"	$14,025
on 41st Street Monterey to Lynn	54"	$22,095
on 41st Street Lynn to Kipling	42"	$22,500
on 41st Street Kipling to Joppa	42"	$12,175
on 41st Street Joppa to pond outlet	42"	$21,920
on west side Mpls. Water Dept. Prop. South ½	30"	$73,295
on west side Mpls. Water Dept. Prop. North ½	30"	$16,780
on north side Mpls. Water Dept Prop. to France Ave.	30"	$31,065
sub-total Trunk		$213,855
on Monterey 41st to Natchez	18"	$4,390
on 40th St. Monterey to Lynn	15"	$4,932
on 40th St. Lynn to Kipling	18"	$5,968
on 40th Street Kipling to Joppa	24"	$6,210
on Joppa 40th to Inglewood	24"-27"	$8,880

Location	Size Sewer	Estimated Cost
on Joppa Inglewood to 41st St.	27"	$4,955
on School Prop. Inglewood to M.W.D.P.	18"	$3,982
sub-total Laterals		$39,317
Total combined system		$253,172

St. Louis Park	2/3 share	$168,781.33
Edina	1/3 share	$ 84,380.67

This is a construction cost estimate. It does not include engineering, administration, legal, easements, etc.

This estimate does not include the excavation of additional storage capacity amounting to $39,000.

ST. LOUIS PARK SYSTEM

Location	Size Sewer	Estimated Cost
on School Property Quentin to Natchez	48"	$26,435
on 39th St. Inglewood to Huntington	18"	$ 5,915
on 39th St. Huntington to Glenhurst	18"	$ 5,345
on 39th St. Glenhurst to France	18"	$ 5,020
on lot 11 Minikahda Park Glenhurst Circle to Trunk	15"	$ 3,090
TOTAL		$45,805

This is a construction cost estimate. It does not include engineering, administration, legal, easements, etc.

St Louis Park – Edina System

location	size sewer	est. cost
on 41st Street Natchez to Monterey	54"	$14,025
on 41st Street Monterey to Lynn	54"	$22,095
on 41st Street Lynn to Kipling	42"	$22,500
on 41st Street Kipling to Joppa	42"	$12,175
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sub-total Trunk		213,855
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on Joppa 40th to Inglewood	24"-27"	$8,880
on Joppa Inglewood to 41st St	27"	$4,955
on School Prop Inglewood to M.W.D.P	18"	$3,982
sub-total Laterals		39,317

Total combined System 253,172

St Louis Park $\frac{2}{3}$ share — 168,781.33

Edina $\frac{1}{3}$ share — 84,390.67

This is a construction cost estimate. It does not include engineering, administration, legal, easements, etc.

This estimate does not include the excavation of additional storage capacity amounting to $39,000.—

ST Louis Park System

Location	Size of Sewer	est. cost
on School Property Quentin to Natchez	48"	26,435
on 39th St Inglewood to Huntington	18"	$5,915
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on 39th St Glenhurst to France	18"	$5,020
on lot 11 Minikahda Park Glenhurst Circle to Trunk	15"	$3,090
Total		45,805 —

KARSKO BROS., INC.

RECEIVED DEC 11 1967

Formula Used
P=2E

S 0.I

Rec'd from Edina 1/13/68

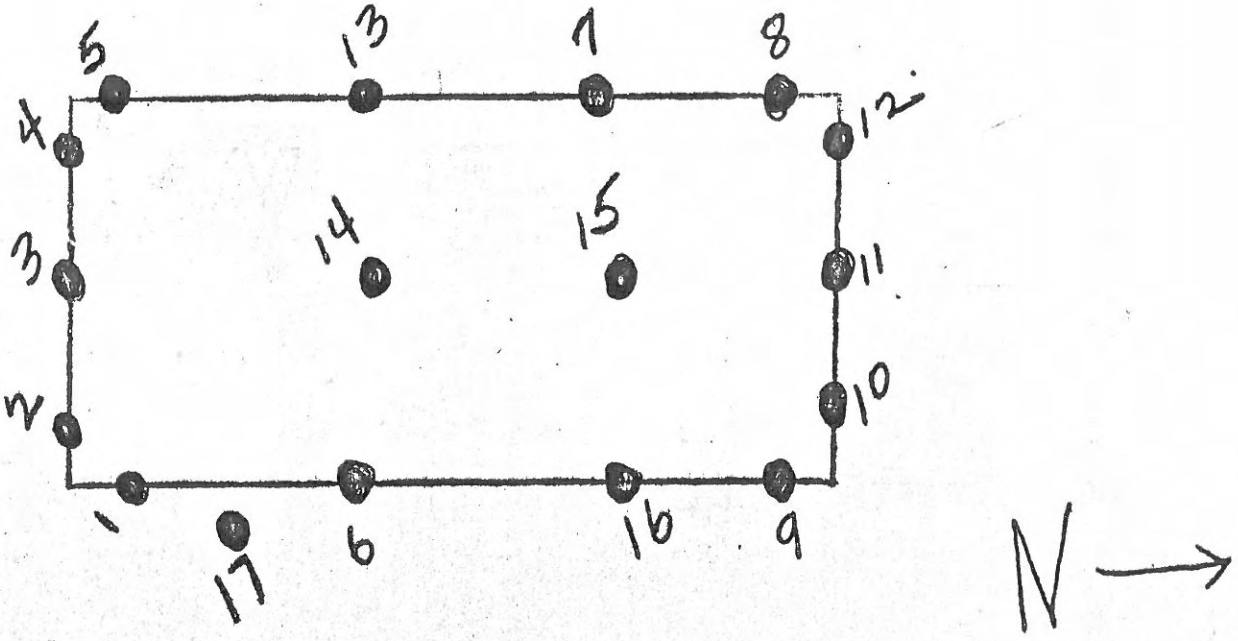
PILE - DRIVING - LOG

Date Start November 30, I967 Finish Date December I, I967

Location 4I00-Lynn Ave. So. Owner or Cont. Pew-Bel Const. Corp.

Type of Piling Wood Hammer Linkbelt I80 Diesel Energy - Rating 8I00 ft. lbs.

Pile No.	Length	Pen. 20 Blows	Bearing Tons	Length Below Cutoff	Remarks	Pile No.	Length	Pen. 20 Blows	Bearing Tons	Length Below Cutoff	Remarks
I	50 ft.	5½ in.	2I								
2	50 "	5 "	22								
3	50 "	6 "	20								
4	50 "	6 "	20								
5	50 "	6 "	20								
6	50 "	5½ "	2I								
7	50 "	6 "	20								
8	50 "	6 "	20								
9	50 "	6 "	20								
I0	55 "	5½ "	2I								
II	55 "	5 "	22								
I2.	55 "	4 "	26								
I3	55 "	4½ "	24								
I4	55 "	3½ "	30								
I5	55 "	4 "	26								
I6	55 "	4½ "	24								
I7	55 "	4 "	26								


5
13
1
8
4
12
14
15
3
11
2
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17
6
16
9
N

Pow-Bel Const. Co.

Or. 6658-1
154-69 &61

F. C. JACKSON
LAND SURVEYOR

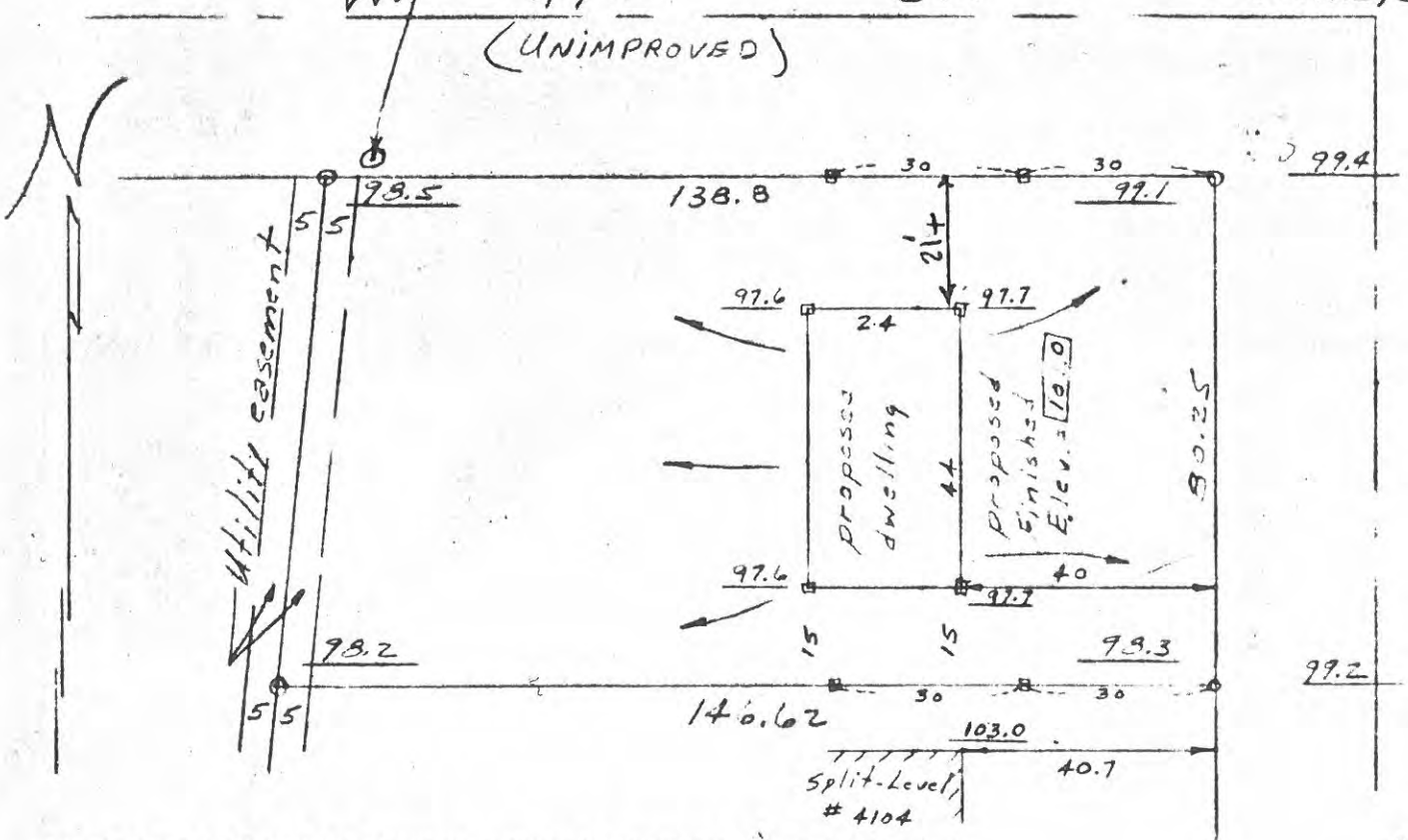
REGISTERED UNDER LAWS OF STATE OF MINNESOTA
LICENSED BY ORDINANCE OF CITY OF MINNEAPOLIS

3616 EAST 55TH STREET PA. 4-4681

Scale: 1"=30'
o Denotes Iron
000.0 Existing Elev.
000.0 Proposed Elev.
B.M. is assumed
= Drainage

Top of Fire Hyd. on W. 41st St. Between Monterey & Lynn. Elev. = 100.0

Surveyor's Certificate



I HEREBY CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT PLAT OF A SURVEY OF

Lot 1 Block 1, A and B Addition.
Hennepin County, Minn.

4100 Lynn S.

APPROVED
11/3-67
BUILDING INSPECTOR
VILLAGE OF EDINA

8-585

AS SURVEYED BY ME THIS 19th DAY OF Oct. A.D. 1967

SIGNED F. C. Jackson

F. C. JACKSON, MINNESOTA REGISTRATION, No. 3600

RECEIVED NOV 1 1967

See 7-28-24

PLAT NUMBER: 60610

BUILDING PERMIT

VILLAGE OF EDINA

4801 WEST 50TH STREET • EDINA, MINNESOTA 55424 • WA.7-8861

PARCEL NUMBER: 700

1. SITE ADDRESS: 4100 LYNN AVENUE SOUTH
2. CONST. TYPE: V
3. GROUP: I

PERMIT NUMBER: B-585

4. OWNER'S NAME: POW BEL CONST. | ADDRESS: 4501 Garrison Lane | TEL. NO.: 922-3941

DATE APPLIED FOR: 10-31-67 | DATE OF PERMIT: 11-3-67

5. BUILDERS NAME & LICENSE NO.: POW BEL CONST. | ADDRESS: | TEL. NO.:

6. ARCHITECT'S NAME: DESIGN SERVICES | ADDRESS: | TEL. NO.:

7. BUILDING DESCRIPTION AND USE: SINGLE DWELLING, SPLIT ENTRY, 2 CAR GARAGE UNDER, WALKOUT REAR.

8. BUILDING FACES: ☐ NORTH ☒ EAST ☐ SOUTH ☐ WEST ON Lynn Ave.

9. SET BACK: FRONT 40 FT. BACK ____ FT. | S SIDE 15 FT. | N SIDE 21+ FT.

10. LOT SIZE	11. BUILDING SIZE	12. STORIES	13. VOLUME CU. FT.	14. FIRE ZONE	15. DECLARED VALUE
80 × 146/138	44 × 25½			☐ 1 ☐ 2 ☒ 3	$19,000.00

16. BLDG. DEPT. ESTIMATE	17. STARTING DATE	18. FINISHING DATE	19. SOIL TESTS	19A. ELEVATOR NO.
$22,500.00	11-1-67	1-31-68	to be built on piling	

20. LEGAL DESCRIPTION: Lot 1 Blk 1 A & B Addition

DRIVEWAY TO BE HARD SURFACED

21. FOUNDATION ELEVATION ..... FT.
GARAGE FLOOR ELEVATION 100.9 FT.

21A. BED ROOMS 3
BATH ROOMS 2 1 RI

22. SPECIAL CONDITIONS: Correct glass area as shown on plan.

23. OCCUPANCY CONDITIONS:

No part of any building area authorized by this Permit may be Occupied until final inspection and issuance of Permit to Occupy by Building Inspector.

ACKNOWLEDGEMENT AND SIGNATURE: - The undersigned hereby represents upon all of the penalties of law, for the purpose of inducing the Village of Edina to take the action herein requested, that all statements herein are true and that all work mentioned will be done in accordance with the Ordinances of the VILLAGE OF EDINA, THE STATE OF MINNESOTA, and rulings of the Building Dept.

E. Shaw — 11-3-67
Permit Approved — Bldg. Inspector — Date

John E. Snyder
Agent for the Owner

FEES

PERMIT	$ 72.00
PLAN CHECK	$ 15.00
PENALTY	$
SPECIAL	$
TOTAL FEE	$ 87.00
CREDIT DEP.	$
AMT. DUE	$ 87.00

DEPARTMENT FINAL APPROVALS

VARIANCE GRANTED BY BOARD OF APPEALS

By ..... Date

NOV 15-67 066 2★★★★87.00

By ..... PLANNING AND ZONING DEPT. Date

..... Electrical Inspector Date

..... Mechanical Inspector Date

..... Building Inspector Date

..... Fire Chief Date

..... Sanitarian Date

PERMIT TO OCCUPY - ☐ GRANTED ☐ CONDITIONAL

..... Building Inspector Date

Edina Morningside Area

Barr Engi.

Dickson
Zikan
[illegible]
Lounsbury

12-21-67

62-85

1) Revise sketch plan - include inverts & sizes.
Add laterals on 39th St.
" " & 40th St.

2) Give us a revised cost estim. Showing share by Edina & St. L. Pk.

3) Show pond storage capacity and elevations on sketch.

4) Revise the sheet on trunk capacity to get about .45 to .5 cfs / acre minimum to the France Ave. pond.

5) Make recommendation 42 boundary

6) Coordinate the connection of trunk to Mpls sewer to be constructed in France & 39th St. (Orr - Schelen)

Edina Morningside

1) St. Louis Park Engr. Dept.

Ray Folland
John Dixon
Dyand Larsung
Joe Zikes
Dec. 21, 1961

a) Prepare assessment map. for area east of Natchez Ave. (only)
Include area west of Natchez on map.

Symbols:

——— —o— ——— existing
——————o—————— proposed
- - - - - - o - - - - - future

b) Cost estim. for
1) Barr engr.
2) Mpls. engr. work.
3) HHFA participation
4) State participation

c) Prepare Engr. report on the job

Ready by ~~the~~ Jan. 3rd

Mem.
CRM 12/18/07

Called Cretex — 7 is in Elk River Office
Richard Longfellow: 421-8100 (not long distance)

Out, now back @ 2:00 PM

30"
48"
54"
} 8" spacing #7 wire
↓
#5 wire

Recommended Steel ~~3/8 to 1/2~~" Bar
@ 8" on 30" 8' Lengths

They would use:

	Fabric II	III	IV	V
30" RCP	#7 gage 6" spac	same	#6 gage 6"	6ga 6" 7ga 6" out.
~~48" RCP~~				
~~54" RCP~~				
48" RCP	} #4 Bars @ 8" for smaller pipe on piling			

He said he'd send a detail of what they recommend.

Rec'd Info. — Put it in piling file "

Morn.
LRM 12/18/67

Called Gordy Peterson Mpls. Water Dept. this afternoon re: plans they have of existing & proposed facilities on property in Morningside. He said that only he & Bruce Corlett were in city office, that I should call Jim Hayek at their Fridley Plant. He would have plans for future etc.

I Called Jim Hayek @ { Su 8 7050 or Su 8 5881 at 1:00 PM — not in.

He said that the only thing out there now is the newly built booster pump station at 40th. I explained where the line was to go roughly, and asked if they had anything in the ground near North line of property (or west). He said he'd check but was sure they didn't. He said they may want some fill on the S. end of the property if Edina wants to lose some. I said he'd mention it to them. He'll call back.

Morningside Proj.
LRM 12/18/67

Call to Soil Explor. Co. (T.C. Testing)
I Called Ken Lafond this AM to get verbal results of their computations re: piling.

He gave me the following estimated pile lengths for the various locations:
for 12 TONS/PILE only:

Boring #	Cutoff Elev	Pile Length
1	860	25'
2	860	35'
3	860	30'
9A	858	35'
10	858	35'

He said they'd pull together a report about Wednesday and include a recommendation for 18 TONS/pile. I said O.K.

BARR ENGINEERING CO.
CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

December 15, 1967

Mr. Robert F. Wittman
Soil Exploration Company
662 Cromwell
St. Paul, Minnesota 55114

Dear Mr. Wittman:

On November 26, we first contacted you regarding additional soil boring investigations in the Morningside area of Edina. On November 29, we authorized your company to proceed with the field work to obtain the necessary information. The field work was completed on Friday, December 8. We appreciate your efforts in expediting the field work by furnishing an additional penetration boring crew on Friday, December 8, and also, for furnishing preliminary copies of your field notes.

The required depths of the penetration borings were determined by Mr. LaFond on the basis of maximum pile loadings and pipe elevations as furnished by us. In the case of the power auger borings, we instructed your crew chief to obtain borings to a depth of approximately 15 feet into the granular material.

In our telephone conversation I said we would furnish a sketch of the area showing the boring locations, and also furnish the ground surface elevation at each boring. Accordingly, we are enclosing a sketch which shows the locations and a table which shows the ground elevations. You may note that our numbering systems differ with regard to the penetration borings. Your field crew used a numbering system based on the order in which they obtained the penetration borings. We would prefer, however, to have your soil boring logs numbered in accordance with the enclosed sketch. In the tabulation, I have indicated the boring designation given by your crew when it differs from our numbering system. You may also note that several boring numbers are missing from the system. This was the result of our eliminating two of the originally proposed borings in the field.

We would like to have you prepare a report concerning these investigations which includes the following information:

1. A basic soils report including:
   a. Soil boring logs (including ground elevation)
   b. Map of boring locations

2. Piling recommendations:

   a. Pile lengths in the vicinity of penetration borings 1, 2, and 3, assuming the tops of piles and forces are applied at approximately

elevation 861. Separate pile lengths should be recommended for loadings of 12 tons per pile, and also for 18 tons per pile in this area.

b. Pile length recommendations in the vicinity of penetration borings 9A and 10, assuming the tops of piles and loads would be applied at approximately elevation 858. The pile loadings in this area would be a maximum of 12 tons per pile.

Your previous work in this area referenced Laboratory No. 10809, may be helpful concerning mapping the granular material in the piling areas.

As I indicated to you in our first telephone conversation, the Village of Edina has requested that you prepare the bill for this work in their name, but first send it to our office for our review and approval. If you have any questions concerning the information we have requested, please contact us. As I believe you are aware, our plans must be complete prior to December 25. We would therefore appreciate obtaining your piling recommendations at the earliest possible date.

Sincerely,,

L R Molsather

Lawrence R. Molsather, P.E.

Enc

cc: Village of Edina
G. Rite - R. Drake

LRM:nc

Boring No	Ground Elevation
1 (Field Notes #1)	871.2
2 (Field Notes #2)	869.5
3 (Field Notes #3)	869.5
4 (Field Notes #4)	869.9
5	878.2
6	864.9
7	865.4
8	867.4
9A (Field Notes #8)	863.1
10 (Field Notes #9)	863.3
11	863.8
12	873.8
13	867.5
14	866.3
15 (Field Notes #5)	867.5
17	867.1
18	875.3
19	874.7
20	875.3
21	870.2
22 (Field Notes #6)	873.4
23	876.3

Soil Boring Elevations

A6
12/14/67

	Boring #		Station	℄	Elev
41st St Alignment	12		1+90	5' L	873.8
	11		4+80	5' L	863.8
	10	(PB)	5+60	5' L	863.3
	9A	(PB)	6+00	5' L	863.1
	8		7+75	℄	867.4
	7		~~25 Skewed~~	℄	865.4
	6		11+50	2' R	864.9
	5		13+40	℄	878.2
	4	(PB)	~~18+20~~ 17+78	℄	869.9
	3	(PB)	24+30	℄	869.5
	2	(PB)	30+30	10' L	869.5
	1	(PB)	31+16	5' L	871.~~6~~2 OK
42nd St Alignment	23		17+30	10' L	906.7 ? revised
	22	(PB)	11+75	18' R	873.4
	19		8+80	20' R	874.7
	18		4+00	18' R	875.3
	15	(PB)	0+00	15' R	867.5
Alden Alignment	17		2+20	Parallel to 42nd 50' R	~~862.9~~ 867.1
	14		9+80	10' L	866.3
	13		0+25	15' L	867.5
GERMES EXT Alignment	21		3+20 R	17' L	870.2
	20		2+85 L	15' R	875.3

Edina S.S.
Morn. File

BARR ENGINEERING CO.
CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

December 13, 1967

Minnesota Highway Department
Plans & Proposals
Room 707, State Highway Building
John Ireland Boulevard
St. Paul, Minnesota

Gentlemen:

We are enclosing a check in the amount of $1 for a copy of the abstract of bids received by the Minnesota Highway Department for S.P. 2781-90 (T.H. 94). Mr. Floyd Laumann telephoned your office on December 13, and was told that this information is available.

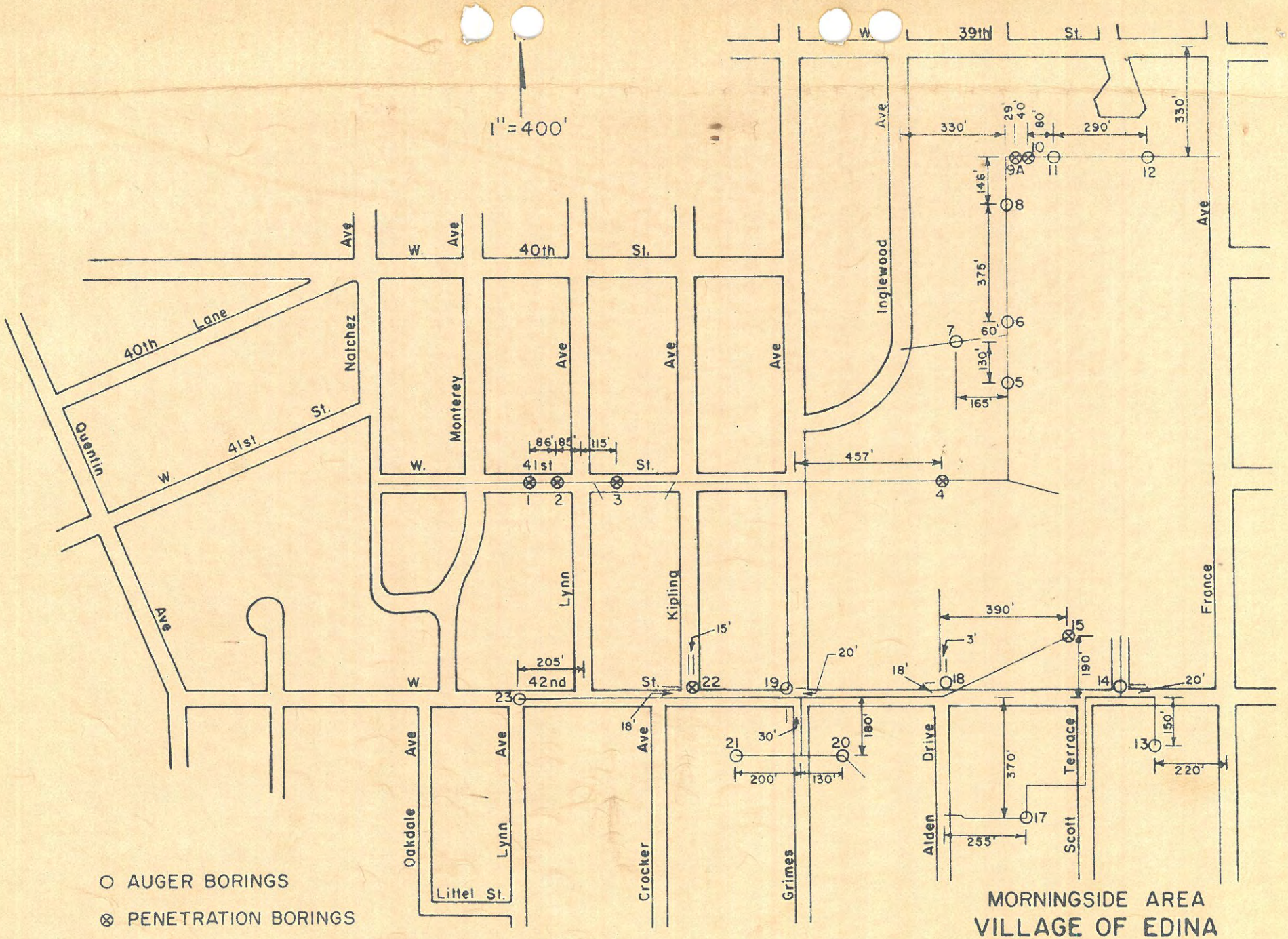
Sincerely,

LRM

L. R. Molsather

LRM:dh
Encl. check

Letter to MHD for purposes of getting cost estimates on pile support system for Morningside Project.



○ AUGER BORINGS

⊗ PENETRATION BORINGS

MORNINGSIDE AREA
VILLAGE OF EDINA

SOIL BORING LOCATIONS

24127-1A025

Morningside

Call to Floyd Bjorklund of T.G.T.
(Soil Explor. Co.)

I said we'd decided to eliminate P.B. # 9, and al would tell Gary Axtell.

I said that max pile load in the 9, 9A, & 10 locations would be 12 TON.

I said we'd furnish a sketch to them and the elevation (for their report).

I asked for xerox copies of power auger field notes. He said he'd mail them to us. Also, notes for holes 9A, & 10.

I said we'd send them a letter telling them what we want in the report in the way of data & recommendations.

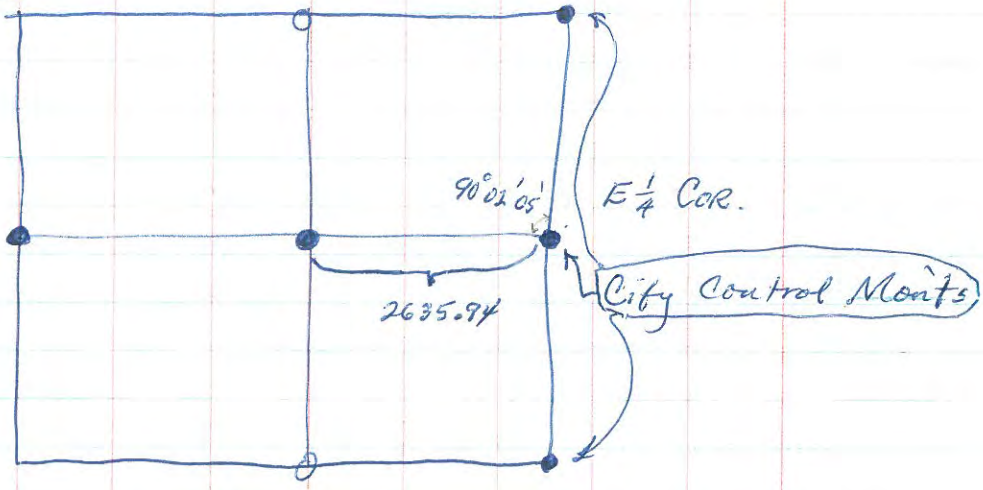
Morningside Proj.
LRM 12-8-67

Call to Don Loftus, Village of Edina,
re: Property corners along 42nd St.

They don't have anything along 42nd

Don offered help with one of their crews if we wanted. I said I'd let them know

County Surveyors Office



Sec. 7

Nothing more over there!

~~Call to Twin City Testing~~

Morningside Storm Sewer 12-7-67

AL

T.C. Testing is O.K. to enter Mpls. Water Dept Property, Barr Engr. Co. not.

Called Pres. School Board for small school, he said O.K. but to use special caution around children and not disturb classes.

Morningside
LRM 12/7/67

Call to Mr. Corlette 330-2418
— Twin City Testing O.K. not us tho.
— Stay away from the prop. line W/ S. sewer.
— 2-30 MG Res. planned O.K. now but
— Mention Mpls. in policy (?)
— He said we may be better off sending them in and us "staying on side"

Called Mr. "Ike" Van Someren
President of School Board
"Small private school" name??

He said O.K. to enter property for borings. I said we'd be at least 200' away from bldg. in all cases, generally along property line. He said fine if we don't bother the kids.

I said we'd instruct the soil boring crews to use special care and safety around the children.

Morningside
LRM 12-6-67

Phone Call to
Lloyd Bjorklund (Soil Explor. Co.)

- they'll have power auger available on Thursday & Friday.
- I said we wanted them available tomorrow, & would have locations marked
- $112/day + $10/day = $122/8 hr. day.
- I said I was concerned a rate of work. I asked if they could make fuller use of daylight. He said they would
- He said to finish this week, we'd need another crew. I said to plan on an extra crew for Friday.
- He said they do work Saturdays at same rate as weekdays if needed.
- I also asked for a new fee schedule.
- I told him that the next Boring would not likely need be very deep. No piles intended.
- Also, the holes near N.W. Cor Water Dept. Property would likely only need 1/2 ton piling.

Morningside Proj
LRM 12-2-67

Soil Borings

Monday

Borings 1, 2, 3, & 4 if possible.
Alternates 17, 20, 21
Call for Locaters Mpls Gas,

T

Morningside
LRM 11-30-67

Permission to enter property of Mpls. Water Dept.

Called for Bill Ridge Mpls. Sewer Dept. but he was out. Talked to Milt Christensen, he said we'd have to get permission from Mpls. Water Dept. He referred me to

Called Gordon Peterson

→ referred me to Bruce Corlette (Check Sp.)
721 City Hall

He said O.K. if we provide a letter releasing Mpls. from liability for personal injury on the property. TC Testing too. I said we would do that and send to him.

330-2418

Call to Mr.

Edina – Morningside
LRM 11/29/67

Utilities

The following areas should have utilities located in the field by:

NSP

① Underground Cable along 42nd between Scott Terrace and France.

MPLS. GAS

① 10" Main along 42nd St. between Lynn Ave & France Ave.

② Along Scott Terrace between 42nd & Morningside Road

Telephone Company

None

Barr Engr. Co. or Edina

① Sanitary Sewer & Pump Station along W. 44th between Monterey & Lynn Lynn & Grimes

② Sanitary Sewer, Water, Storm Sewer Along W. 42nd Lynn to France

③ Sanitary Sewer & Water along Scott Terrace

Gary Axtell - Crew Chief - Soil Explor. Co.

Cy Uhlencodtte — City Mgr.

Water & Sewer Connections

8:30 → 8:45

→ 4:30

Lloyd Björklund - Soil Explor. Co.

Ken LaFon "

(per Ray Drake

see about piling recomm.

Edina: Morningside
LRM 11-29-67
Utilities

Mpls. Gas Company 372-4664

Engineering switched me to other office (didn't say where) talked to a girl.

Natchez → Grimes along 41st
nothing along 41st

except crossings @

Monterey	3"	main 20' W of E. Line
Lynn	4"	" " "
Crocker	4"	" " "
Grimes	4"	" " "

10" main approx 20' N of S. line
Map we have S. of 42nd appears to be O.K.
372 4900 Dispatcher
↳ to get a locater

Can't Go From Garage

Edina - Morningside
LRM 11-29-67
Utilities

Tel. Call to Telephone Company

~~[redacted] 330 4701~~

Walnut Test Board: We 9-8501
Talked to Ken Bakken

I described the Boring Locations, and he said it looked to be all clear.

Call to NSP 3305500

Location of buried cable
Mr. Gardner (talked to)

Look for conduit running down a pole in front of schools or churches to get an indication of private underground connections.

He said there is a line a short way west of France along W. 41st St. Line is located

4232 Scott Terrace Pole w/underground
4223 Alden Drive
4208-4210 Alden

Show up on the map we have.

* They do have a line underground along N. Side of 42nd between Scott Terrace and France

If we want help in field, let them know!

Edina - Norm. Proj.
LRM 11-29-67

Tel. Call to
Soil Exploration Co
Bob Whitman

(1) I said we had decided to have them proceed with the borings if it can be scheduled soon enough.

(2) He said he believed they could start early next week (Mon. or Tuesday). They were attempting to prepare a schedule for next week today, and he said he could let me know this afternoon or tomorrow morning as to exactly they can start.

(3) He said the main problem in their scheduling is that they don't know the full extent of the work on their present projects. I said this would probably be the case on our project also. He said this is a common problem in this type of work.

(4) I said we would provide a sketch of the boring locations, but since we may want to move some, we'd prepare it after the work is done.

(5) I said I stake the borings personally and probably spend some time in the field with their crew.

(6) I now must wait for him to call back with a time commitment.

EDINA STORM SEWER
MORNINGSIDE PROJECT
PROPOSED SOIL BORINGS
LRM 11-27-67

BORING NO.	AUGER BORINGS	SPLIT SPOON WITH SOUNDINGS & SAMPLES @ 5' INTERUALS (MAX)
1		35 L.F.
2		35 L.F.
3		30 L.F.
4		15 L.F
5	25 L.F.	
6	15 L.F.	
7	20 L.F.	
8	20 L.F.	
9		25 L.F.
9A		35 L.F
10		30 L.F
11	25 L.F.	
12	20 L.F	
13	15 L.F	
14	20 L.F.	
15		20 L.F.
16	20 L.F.	
17	20 L.F.	
18	25 L.F.	
19	20 L.F.	
20	15 L.F.	
21	15 L.F.	
22		20 L.F.
23	15 L.F.	
TOTAL	290	245

290' x $1.50 = $435
245' x 3.25 = 800
Report = 150
$1385 Say $1400

EDINA DRAWINGS INDEX

LK
5-27

MORNINGSIDE AREA

(1)

1 STREET PROFILE, INGLE WOOD AVE. (2) 22X34

2 SANITARY PROFILE, MORINGSIDE RD., BRANSON ST., GRIMES, W. 44TH ST. (2) 22X34

3 SANITARY PROFILE, MORINGSIDE, W. 44TH. ST., BRANSON, SUNNYSIDE (2) 22X34

4 SANITARY PROFILE, W. 42ND ST., GRIMES, EATON, CURVE AVE., W. 45TH ST. (2) 22X34

5 SANITARY & WATER PROFILE, FRANCE, EATON CURVE AVE, SUNNYSIDE (2) 22X34

6 SANITARY PROFILE, ALDEN, SCOTT, CROCKER, ELMER (2) 22X34

7A, 7B, 7C GROUND PROFILE ALONG TRUNK FOR ALT. #5 22X34

8 SANITARY PROFILE, GRIMES, W. 42ND ST., SCOTT, ALDEN (2) 22X34

9 SANITARY PROFILE, GRIMES, SUNNYSIDE, W. 45TH (2) 11X34

10 STORM SEWER, CROCKER (2) 11X34

11 STORM SEWER, MORNINGSIDE (2) 11X34

12 WATER MAIN PROFILE, ELMER, CROCKER, W. 42ND ST. (3) 11X34

13A, 13B SANITARY PROFILE & DETAILS ON INGLEWOOD 22X34

14 WATER MAIN ON 42ND ST, SCOTT 22X34

15A, 15B PLOT OF SOIL BORINGS 22X34

16 STORM SEWER PROFILE, W 42ND, CROCKER (2) 11X17

17 STORM SEWER PROFILE, OAKDALE (2) 11X17

18 WATERMAIN, OAKDALE 11X17

19 EXT. OF WATER MAIN & SANITARY ON OAKDALE 11X18

20 STORM SEWER NEAR INT. OF SUNNYSIDE & FRANCE 11X14

21 WATER MAIN PROFILE, OAKDALE 11X24

22 LOCATION OF CO. DITCH #17 (2) 14X20

23 SANITARY SEWER PROFILE, GRIMES 11X28

24 WATER MAIN FOR REC. CENTER 12X13

25 STORM SEWER PROFILE, CROCKER 11X34

26 STORM SEWER IN VICINITY OF 36TH ST. & SEVENTH (2) 17X34

27 WATER MAIN PROFILE, CROCKER, W. 40TH. ELMER 11X34

28 INTERSECTION LAYOUT, W.44TH, SUNNYSIDE, FRANCE (2) 11X17

29 MPLS GAS CO. LINES 20X30

30 STREET LIGHTING DIAGRAM MORNINGSIDE, ST. LOUIS PARK 17X22

31 PROFILE OF CO. DITCH #17 (2) 24X55

32 LETTER & DRAWING - EST. & RECOMMENDATIONS CONCERNING IMPROVEMENT OF GRIMES AVE. 8 1/2 X 11

33	STORM SEWER PROFILE ON 42ND	8½ X 11
34	STORM SEWER PROFILE ON 42ND	8½ X 11
35	EASEMENT FOR STORM SEWER NEAR INTER. OF SUNNYSIDE & FRANCE	8½ X 11
36	DRAINAGE PLAN SOUTH & WEST CALHOUN	30 X 38
37	LOCATION OF CO. DITCH #17	30 X 38
38	FRANCE AVE. RESERVOIR & PUMPING STATION	22 X 34

ROLL OF SHEETS — TABULATIONS OF BIDS, WATER MAIN PROJ., STREET SEAL COAT, FRANCE AVE. STORM SEWER, SANITARY SEWER, RECREATION BLG'D. & GARAGE

FOLDER — SPECIFICATIONS AND OTHER INFORMATION CONCERNING BOND ISSUE #8, SANITARY SEWER INSTALLATION.

Morningside
LRM 11-26-67

Soil Exploration Co. 645-6446
Called Chuck Obrien
He referred me to Bob Whitman

Factors:
{ Swamp
{ Access
to $3.50

For Estimating Purposes { $3/ft. on Split Barrel (Cased)
$1.50/ft. Power Auger

Report including $75 - Report - Soil logs basis data etc.
$150 - Report w/ pile recommendations

Running a week behind now
Could probably start next week
about a week

August 30, 1967

RIS No. 650

LOT	BLOCK	SQUARE FEET
A		9,000
B		8,300
C		7,750
D		9,100
E		8,438

MORNINGSIDE OAKS

1	1	9,450
2	1	9,450
3	1	9,450
8	1	9,450
9	1	9,450
10	1	9,450
11	1	9,450
1	2	9,450
2	2	9,450
3	2	8,775
4	2	8,775
5	2	8,775
6	2	8,775
7	2	8,775
8	2	8,775
9	2	9,600
1	3	9,601
2	3	9,450

MORNINGSIDE OAKS

LOT	BLOCK	SQUARE FEET
3	3	9,450
4	3	8,775
5	3	8,775
6	3	8,775
7	3	9,450
8	3	9,450
9	3	9,450

MINIKANDA VISTA THIRD ADDITION

1	1	6,678
2	1	6,689
3	1	6,696
4	1	6,703
5	1	6,710
6	1	6,716
7	1	6,723
8	1	6,730
9	1	6,737
10	1	6,741
12	1	6,746
13	1	8,584
1	2	6,615
2	2	6,615
3	2	6,615
4	2	6,615

MINIKANDA VISTA THIRD ADDITION

LOT	BLOCK	SQUARE FEET
5	2	6,615
6	2	6,615
7	2	6,615
8	2	6,615
9	2	6,615
10	2	6,615
11	2	6,615
12	2	8,432
13	2	8,454
14	2	6,615
15	2	6,615
16	2	6,615
17	2	6,615
18	2	6,615
19	2	6,615
22	2	6,615
23	2	6,615
24	2	6,615
25	2	6,615
26	2	6,615
1	3	6,556
2	3	6,556
3	3	6,556
4	3	6,556

MINIKANDA VISTA THIRD ADDITION

LOT	BLOCK	SQUARE FEET
5	3	6,556
6	3	6,556
7	3	6,556
8	3	6,556
9	3	6,556
10	3	6,556
11	3	6,556
12	3	8,403
13	3	8,424
14	3	6,556
15 & W. 62' of S. 16' of Lot 16	3	7,548
N. 33' of W. 62' of Lot 16 & E. 71.8' of Lot 16	3	5,564
17	3	6,556
18	3	6,556
19	3	6,556
22	3	6,556
23	3	6,556
24	3	6,556
25	3	6,556
26	3	6,556
1	4	6,556
2	4	6,556
3	4	6,556
4	4	6,556

MINIKANDA VISTA THIRD ADDITION

LOT	BLOCK	SQUARE FEET
5	4	6,556
6	4	6,556
7	4	6,556
8 & N. 24.5' of Lot 9	4	9,834
10 & S. 24.5' of Lot 9	4	9,834
11 & N. 6' of Lot 12	4	7,359
12 except N. 6' of Lot 12	4	7,645
13	4	8,470
14	4	6,556
15	4	6,556
16	4	6,556
17	4	6,556
18	4	6,556
21	4	6,556
22	4	6,556
23	4	6,556
24	4	6,556
25	4	6,556
26	4	6,556

WILLIAM SCOTT'S ADDITION

1		9,450
2		9,450
3		9,450

WILLIAM SCOTT'S ADDITION

LOT	BLOCK	SQUARE FEET
4		8,775
5		8,775
6 & W. 10' of Lot 7		11,475
E. 65' of Lot 7		8,775
8		12,177
9		9,450
10		9,450
11		9,450
12		9,450
13		9,450
14		9,388
15 except N. 155' of Lot 15		47,102
S. 80' of N. 155' of Lot 15		11,475
N. 75' of Lot 15		10,744
16		31,502
17		31,200
19		34,800
20		23,100

A & B ADDITION

1		11,465
2		12,114
3		12,742
4		13,377
5		14,008
6		14,635

A & B ADDITION

LOT	BLOCK	SQUARE FEET
7		12,714
8		13,414
9 & that portion of Lot 10 S. of, except that portion of Lot 9 N. of, a line between a point 5' N. of the S.W. corner of Lot 10 measured along the W. line of Lot 10 & a point 15' S. of the S.E. corner of Lot 10 measured along the E. line of Lot 9.		12,200
10 & that portion of Lot 9 N. of, except that portion of Lot 10 S. of, a line between a point 5' N. of the S.W. corner of Lot 10 measured along the W. line of Lot 10 and a point 15' S. of the S.E. corner of Lot 10 measured along the E. line of Lot 9 and except that portion of Lot 10 S of a line between the N.W. corner of Lot 10 and a point 15' S of the N.E. corner of Lot 10 measured along the E. line of Lot 10.		13,750
11 & that portion of Lot 10 N. of a line between the N.W. corner of Lot 10 and a point 15' S. of the N.E. corner of Lot 10 measured along the E. line of Lot 10		13,750
12		12,756

RLS No. 567

A		266,160 ~~41,530~~

Sec. 7, T. 28, R. 24

Parcel

1100		240,451
2000		209,088
5000		54,855

MORNINGSIDE MANOR

1	1	11,024

MORNINGSIDE MANOR

LOT	BLOCK	SQUARE FEET
2	1	11,250
1	2	11,250
2	2	11,230

RLS No. 651

A		4,050
B		10,751
C		10,125
D		10,125
E		10,125
F		10,125
G		10,125
E. 125' of Lot H		9,375
E. 125' of Lot I		9,375

MICHELSEN'S RE-ARRANGEMENT

1	1	9,555
2	1	9,555
3	1	9,620
4	1	9,620
5	1	9,620
6	1	9,620
7	1	9,620
8	1,	9,620

MICHELSEN'S RE-ARRANGEMENT

LOT	BLOCK	SQUARE FEET
1 & S. 10' of Lot 1 Wooddale Heights 2nd Addition & S. 10' of E. 40' of Lot 2 Wooddale Height's 2nd Addition	2	10,150
2	2	9,250
3	2	9,250
4	2	9,250
5	2	9,250
6	2	9,250
7	2	9,250
8	2	9,250
9	2	9,250
10	2	9,250
11	2	9,250
12	2	9,250

WOODDALE HEIGHTS SECOND ADDITION

N. 132' of Lot 1 & N. 132' of E. 40' of Lot 2		11,880
3 & W. 10' of Lot 2		8,520
S. 93.5' of Lot 4 and S. 93.5' of Lot 5		9,350
N. 49.5' of Lot 4 and N. 49.5' of Lot 5		4,950

CROCKER AND CROWELL'S FIRST ADDITION

E. 60' of S. 35' of Lot 1 & E. 60' of Lot 2	1	8,100
W. 110' of E. 170' of S. 35' of Lot 1 & W. 110' of E. 170' of Lot 2	1	14,850
3	1	20,000
4	1	20,000

CROCKER AND CROWELL'S FIRST ADDITION

LOT	BLOCK	SQUARE FEET
N. 50' of Lot 5	1	10,000
S. 50' of Lot 5	1	10,000
6	1	20,000
N. 50' of Lot 7	1	10,000
S. 50' of Lot 7	1	10,000
N. 75' of Lot 8	1	15,000
N. 35' of Lot 9 and S. 25' of Lot 8	1	12,000
S. 65' of Lot 9	1	13,000
10	1	20,000
11	1	20,000
N. 50' of Lot 12	1	10,000
S. 50' of Lot 12	1	10,000
N. 50' of Lot 13	1	10,000
S. 50' of Lot 13	1	10,000
N. 50' of Lot 14 & E. 10' of S. 50' of Lot 14	1	10,500
W. 190' of S. 50' of Lot 14	1	9,500
N. 50' of Lot 15	1	10,000
S. 50' of Lot 15	1	10,000
N. 50' of Lot 16	1	10,000
S. 50' of Lot 16	1	10,000
N. 50' of Lot 17	1	10,000
S. 50' of Lot 17	1	10,000
N. 50' of Lot 18	1	10,000
S. 50' of Lot 18	1	10,000
N. 50' of Lot 19	1	10,000

CROCKER AND CROWELL'S FIRST ADDITION

LOT	BLOCK	SQUARE FEET
S. 50' of Lot 19	1	10,000
N. 50' of Lot 20	1	10,000
S. 50' of Lot 20	1	10,000
N. 50' of Lot 21	1	10,000
S. 50' of Lot 21	1	10,000
S. 50' of Lot 22	1	10,000
N. 50' of Lot 22 & S. 20' of Lot 23	1	14,000
N. 80' of Lot 23 & S. 10' of Lot 24	1	18,000
N. 90' of Lot 24	1	18,000
W. 50' of S. 35' of Lot 26 & 50' of Lot 25	1	6,750
E. 60' of W. 110' of S. 35' of Lot 26 & E. 60' of W. 110' of Lot 25	1	8,100
E. 60' of W. 170' of S. 35' of Lot 26 & E. 60' of W. 170' of Lot 25	1	8,100
E. 30' of S. 35' of Lot 26 & E. 30' of Lot 25 & W. 30' of S. 35' of Lot 1 & W. 30' of Lot 2	1	8,100
E. 66.66' of S. 35' of Lot 1 & E. 66.66' of Lot 2	2	8,999
W. 66.66' of E. 133.33' of S. 35' of Lot 1 & W. 66.66' of E. 133.33' of Lot 2	2	8,999
W. 66.66' of S. 35' of Lot 1 & W. 66.66' of Lot 2	2	8,999
N. 66.66' of Lot 3	2	13,332
S. 33.33' of Lot 3	2	6,666
N. 33.33' of Lot 4	2	6,666
S. 66.66' of Lot 4	2	13,332
N. 66.66' of Lot 5	2	13,332
S. 33.33' of Lot 5	2	6,666
N. 33.33' of Lot 6	2	6,666

CROCKER AND CROWELL'S FIRST ADDITION

LOT	BLOCK	SQUARE FEET
S. 66.66' of Lot 6	2	13,332
N. 50' of Lot 7	2	10,000
S. 50' of Lot 7	2	10,000
N. 67' of Lot 8	2	13,400
S. 33' of Lot 8	2	6,600
N. 33' of Lot 9	2	6,600
S. 67' of Lot 9	2	13,400
10	2	20,000
11	2	20,000
N. 50' of Lot 12	2	10,000
S. 50' of Lot 12	2	10,000
E. 135' of N. 50' of Lot 13	2	6,750
E. 135' of S. 50' of Lot 13	2	6,750
W. 65' of Lot 13	2	6,500
E. 50' of Lot 14 & E. 50' of S. 50' of Lot 15	2	7,500
W. 150' of S. 50' of Lot 14	2	7,500
W. 150' of N. 50' of Lot 14	2	7,500
W. 150' of S. 50' of Lot 15	2	7,500
N. 50' of Lot 15	2	10,000
16 & S. 10' of Lot 17	2	22,000
N. 50' of S. 60' of Lot 17	2	10,000
N. 40' of Lot 17 & S. 10' of Lot 18	2	10,000
N. 90' of Lot 18	2	18,000
S. 50' of Lot 19	2	10,000
N. 50' of Lot 19	2	10,000

CROCKER AND CROWELL'S FIRST ADDITION

LOT	BLOCK	SQUARE FEET
S. 50' of Lot 20	2	10,000
N. 50' of Lot 20	2	10,000
S. 66.66' of Lot 21	2	13,332
N. 33.33' of Lot 21	2	6,666
S. 33.33' of Lot 22	2	6,666
N. 66.66' of Lot 22	2	13,332
S. 66.66' of Lot 23	2	13,332
N. 33.33' of Lot 23 & S. 33.33' of Lot 24	2	13,332
N. 66.66' of Lot 24	2	13,332
W. 66.66' of Lot 25 & W. 66.66' of S. 35' of Lot 26	2	8,999
E. 66.66' of W. 133.33' of Lot 25 & E. 66.66' of W. 133.33' of S. 35' of Lot 26	2	8,999
E. 66.66' of Lot 25 & E. 66.66' of S. 35' of Lot 26	2	8,999
8	3	20,000
9	3	20,000
10	3	20,000
N. 50' of Lot 11	3	10,000
S. 50' of Lot 11	3	10,000
N. 50' of Lot 12	3	10,000
E. 150' of S. 50' of Lot 12	3	7,500
E. 150' of N. 50' of Lot 13	3	7,500
E. 150' of S. 50' of Lot 13	3	7,500
W. 50' of Lot 13 & W. 50' of S. 50' of Lot 12	3	7,500
14 & 20' vac. street	3	22,000
15 & 50' vac. street	3	22,000

CROCKER AND CROWELL'S FIRST ADDITION

LOT	BLOCK	SQUARE FEET	
16 & 20' vac. street	3	22,000	
W. 114' of Lot 17 & 20' vac. street	3	13,400	
E. 86' of Lot 17 & E. 86' of S. 33.73' of Lot 18	3	11,501	
W. 114' of S. 33.73' of Lot 18 & 20' vac. street	3	4,520	
N. 66.27' of Lot 18 & 20' vac. street	3	14,579	
19 & 20' of vac. street & 130' of vac. Little Ave.	3	27,720	

WOODDALE HEIGHTS

E. 47' of Lot 1	1	6,683	
W. 47' of Lot 1	1	6,683	
Lot 2 except E. 50' & portion W. of E. boundary of Oakdale Ave.	1		2050
E. 50' of Lot 2 & E. 50' of Lot 3	1	4,740	
Lot 3 except E. 50' & portion W. of E. boundary of Oakdale Ave.	1		2050
4	1	5,218	
5	1	8,928	
6	1	8,182	
7	1	7,437	
8	1	6,691	
9	1	5,945	
10	1	5,744	
1 & vac. street	2		13940
2	2	8,904	
3	2	8,400	
4	2	7,000	

WOODDALE HEIGHTS

LOT	BLOCK	SQUARE FEET
5	2	7,000
6	2	7,000
7	2	7,000

GRIMES HOMESTEAD

E. 150' of Lot 1	15,000
E. 75' of W. 150' of Lot 1	7,500
E. 225' of Lot 2	22,500
W. 75' of Lot 1 & W. 75' of Lot 2	15,000
N. 130' of S. 200' of E. 50' of Lot 11	6,500
N. 130' of S. 200' of W. 50' of Lot 11	6,500
S. 100' of N. 200' of E. 80' of Lot 11	8,000
N. 100' of E. 80' of Lot 11	8,000
S. 80' of E. 80' of Lot 16	6,400
E. 80' of Lot 17 except street & N. 20' of E. 80' of Lot 16	6,000
N. 93.5' of S. 163.5' of Lot 12 & N. 93.5' of S. 163.5' of E. 15.5' of Lot 13	10,799
W. 88' of S. 74' of N. 136.5' of Lot 12 & E. 50' of S. 74' of N. 136.5' of Lot 13 & E. 50' of N. 13.5' of S. 150' of Lot 13	10,677
N. 80' of W. 59.5' of E. 75' of Lot 12	4,760
N. 62.5' of W. 88' of Lot 12 & N. 62.5' of E. 50' of Lot 13	8,625
S. 50' of W. 130' of E. 150' of Lot 15	6,500
N. 50' of W. 130' of E. 150' of Lot 15	6,500
S. 50' of W. 130' of E. 250' of Lot 16	6,500

GRIMES HOMESTEAD

LOT	BLOCK	SQUARE FEET
N. 50' of W. 130' of E. 250' of Lot 16		6,500
N. 50' of W. 130' of E. 150' of Lot 17		6,500
S. 50' of W. 130' of E. 150' of Lot 17		6,500
S. 50' of W. 140' of E. 160' of Lot 18		7,000
N. 50' of W. 140' of E. 160' of Lot 18		7,000
N. 210' of Lot 24		21,000
W. 50' of Lot 24 except N. 210' and S. 20'		11,069
E. 50' of Lot 24 except N. 210' and S. 20'		11,007
W. 50' of N. 215' of Lot 25		10,750
E. 50' of N. 215' of Lot 25		10,750
W. 50' of Lot 25 except N. 215' & S. 20'		10,694
E. 50' of Lot 25 except N. 215' & S. 20'		10,632
W. 50' of N. 227' of Lot 26		11,350
E. 50' of N. 227' of Lot 26		11,350
W. 50' of Lot 26 except N. 227' & S. 20' measured perpendicular to S. base line		10,507
E. 50' of Lot 26 except N. 227' & S. 20' Measured perpendicular to S. base line		9,258
W. 50' of N. 210' of Lot 27		10,500
E. 50' of N. 184.5' of Lot 27		9,225
W. 50' of Lot 27 except N. 210' & S. 20' measured perpendicular to S. base line		9,233
E. 50' of Lot 27 except N. 184.5' & S. 20' measured perpendicular to S. base line		9,633
W. 50' of N. 180' of Lot 28		9,000
E. 50' of N. 180' of Lot 28		9,000

GRIMES HOMESTEAD

LOT	BLOCK	SQUARE FEET
W. 50' of Lot 28 except N. 180' & S. 20' measured perpendicular to S. base line		8,978
E. 50' of Lot 28 except N. 180' & S. 20' measured perpendicular to S. base line		8,093
W. 50' of N. 160' of Lot 29		8,000
E. 50' of N. 162.5' of Lot 29		8,125
W. 50' of Lot 29 except N. 160' & S. 20' measured perpendicular to S. base line		8,000
E. 50' of Lot 29 except N. 162.5' & portion S. of N. boundry of Branson St.		8,450

MELVIN GRIMES SUBDIVISION

1 except portion N. of S. boundry of Branson St.		8,500
2 except portion N. of S. boundry of Branson St.		8,250
3 except portion N. of S. boundry of Branson St.		9,100
4		9,360
5		9,360
6		9,360
7		9,360
8		9,360
9		9,214
10		9,142
11		9,142
12		8,787
13		8,787
Lot 14 except S. 78' of Lot 14		28,120
W. 50' of Lot 15 except S. 78' of W. 50' of Lot 15		12,898

MELVIN GRIMES SUBDIVISION

LOT	BLOCK	SQUARE FEET
W. 95' of E. 172' measured parallel to S. base line of Lot 15 except S. 78' of said portion of Lot 15		22,368
W. 72' of E. 77' of Lot 15 except S. 78' of said portion of Lot 15		15,912
N. 221.4' of W. 52.68' of Lot 16 & N. 221.4' of E. 5' of Lot 15		12,770
E. 57.67' of W. 110.35' of N. 221.4' of Lot 16		12,768
E. 50' of W. 160.35' of N. 221.4' of Lot 16		11,070
E. 50' of W. 210.35' of N. 221.4' of Lot 16		11,070
W 50' of E. 150' of Lot 16		14,970
E. 100' of Lot 16		29,940

RILEY'S SUBDIVISION

1		10,000
2		10,000
3		7,500
4		7,500
5 & vac. street		8,850
6 & vac. street		8,800
7 & vac. street		7,000
8		7,000
9		7,000
10		7,000
11 & W. 2' of Lot 12		7,280
E. 48' of Lot 12		6,720
13		7,000

RILEY'S SUBDIVISION

LOT	BLOCK	SQUARE FEET
14		7,000
15		7,000
16		7,000
17		7,000
18		7,000
19		7,000
20		7,000
21		7,000
22		32,442
23 & W. 10' of Lot 24 & 8' vac. street		17,809
E. 50' of Lot 24 except S. 70' of E. 50' of Lot 24		7,767
25 except S. 70' of Lot 25		8,162
26 except S. 70' of Lot 26		6,750
27 except S. 70' of Lot 27 measured paralliel to W. Lot line of Lot 27		8,450

MORNINGSIDE

S. 35' of Lot 1 & E 150' of N. 20' of Lot 2 & N. 70' of W. 50' of Lot 2		13,500
E. 150' of S. 50' of N. 70' of Lot 2		7,500
S. 30' of Lot 2 & N. 20' of Lot 3		10,000
S. 50' of N. 70' of Lot 3 & W. 65' of S. 30' of Lot 3 & W. 65' of N. 62' of Lot 4		15,980
E. 135' of S. 30' of Lot 3 & E. 135' of N. 62' of Lot 4		12,420
S. 38' of Lot 4 & N. 12' of Lot 5		10,000
S. 46' of N. 58' of Lot 5		9,200

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
S. 42' of Lot 5 & N. 66.7' of Lot 6		21,740
N. 33.3' of Lot 7 & S. 33.3' of Lot 6		13,320
S. 66.7' of Lot 7		13,340
W. 100' of S. 50' of Lot 16		5,000
W. 100' of N. 50' of Lot 16		5,000
W. 100' of S. 58' of Lot 17		5,800
W. 100' of N. 42' of Lot 17		4,200
W. 100' of S. 50' of Lot 18		5,000
W. 100' of N. 50' of Lot 18		5,000
W. 100' of S. 49' of Lot 19		4,900
W. 100' of N. 51' of Lot 19		5,100
W. 100' of S. 50' of Lot 20		5,000
N. 50' of Lot 20		10,000
21		20,000
S. 50' of Lot 22		10,000
N. 50' of Lot 22		10,000
S. 50' of Lot 23		10,000
N. 50' of Lot 23		10,000
24		20,000
25		20,000
S. 35' of Lot 26		7,000
E. 66.6' of S. 35' of Lot 27 & E. 66.6' of Lot 28		9,000
W. 66.6' of E. 133.3' of S. 35' of Lot 27 & W. 66.6' of E. 133.3' of Lot 28		9,000

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
W. 66.6' of S. 35' of Lot 27 & W. 66.6' of Lot 28		9,000
N. 50' of Lot 29		10,000
S. 50' of Lot 29		10,000
30		20,000
31		20,000
32 & E. 150' of N. 50' of Lot 33 & W. 50' of Lot 33		32,500
E. 150' of S. 50' of Lot 33		7,500
N. 50' of Lot 34		10,000
S. 50' of Lot 34		10,000
N. 45' of Lot 35		9,000
S. 55' of Lot 35		11,000
N. 51' of Lot 36		10,200
S. 49' of Lot 36		9,800
N. 50' of Lot 37		10,000
S. 50' of Lot 37		10,000
W. 45' of S. 50' of Lot 40		2,250
W. 45' of N. 50' of Lot 40		2,250
W. 45' of S. 50' of Lot 41		2,250
W. 45' of N. 50' of Lot 41		2,250
S. 50' of Lot 42		10,000
N. 50' of Lot 42		10,000
S. 50' of Lot 43		10,000
N. 50' of Lot 43		10,000

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
S. 50' of Lot 44		10,000
N. 50' of Lot 44		10,000
S. 50' of Lot 45		10,000
N. 50' of Lot 45		10,000
46		20,000
47		20,000
48		20,000
49		20,000
S. 60' of Lot 50		12,000
N. 40' of Lot 50 & S. 20' of Lot 51		12,000
N. 57.5' of S. 77.5' of Lot 51		11,500
N. 22.5' of Lot 51 & S. 35' of Lot 52		11,500
E. 150' of S. 35' of Lot 53 & E. 150' of N. 18' of Lot 54		7,950
S. 48' of N. 66' of E. 150' of Lot 54		7,200
S. 34' of E. 150' of Lot 54 & N. 14' of E. 150' of Lot 55		7,200
W. 50' of S. 35' of Lot 53 & W. 50' of Lot 54 & W. 50' of N. 14' of Lot 55		7,450
S. 48' of N. 62' of Lot 55		7,200
S. 38' of Lot 55 & N. 10' of Lot 56		9,600
S. 75' of N. 85' of Lot 56		15,000
S. 15' of Lot 56 & N. 40' of Lot 57		11,000
S. 52' of N. 92' of Lot 57		10,400
S. 8' of Lot 57 & N. 50' of Lot 58		11,600
S. 30' of Lot 58 & N. 18' of Lot 59		13,600

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
S. 62' of N. 80' of Lot 59		12,400
S. 20' of Lot 59 & N. 40' of Lot 60		12,000
S. 60' of Lot 60		12,000
N. 50' of Lot 61		10,000
S 50' of Lot 61		10,000
N. 50' of Lot 62		10,000
S. 50' of Lot 62		10,000
N. 50' of Lot 63		10,000
S. 50' of Lot 63		10,000
N. 50' of Lot 64		10,000
N. 46' of S. 50' of Lot 64		9,200
S. 4' of Lot 64 & N. 50' of Lot 65		10,800
S. 50' of Lot 65		10,000
E. 60' of Lot 66		6,000
W. 140' of S. 50' of Lot 66		7,000
W. 140' of N. 50' of Lot 66		7,000
67		19,998
68		19,996
69		19,994
70		19,992
S. 50' of Lot 71		9,995
N. 50' of Lot 71		9,995
S. 50' of Lot 72		9,994
N. 50' of Lot 72		9,994
S. 50' of Lot 73		9,993

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
N. 50' of Lot 73		9,993
S. 50' of Lot 74		9,992
N. 50' of Lot 74		9,992
75		19,982
76		19,979
E. 50' of S. 35' of Lot 78 & E. 50' of Lot 77		6,750
W. 50' of E. 100' of S. 35' of Lot 78 & W. 50' of E. 100' of Lot 77		6,750
W. 50' of E. 150' of S. 35' of Lot 78 & W. 50' of E. 150' of Lot 77		6,750
S. 35' of Lot 78 except E. 150' of Lot 78 & Lot 77 except E. 150' of Lot 77		6,719
E. 50' of Lot 90 except S. 75' measured perpendicular to S. base line		8,432
W. 50' of Lot 90 except S. 75' measured perpendicular to S. base line		9,282
E. 50' of Lot 91 except S. 75' measured perpendicular to S. base line		10,131
W. 50' of Lot 91 except S. 75' measured perpendicular to S. base line		10,981
N. 75' of Lot 92		7,500
S. 75' of N. 150' of Lot 92		7,500
E. 50' of Lot 92 except N. 150' of E. 50' of Lot 92 & S. 75' of E. 50' ofLot 92 measured perpendicular to S. base line		4,331
W. 50' of Lot 92 except N. 150' of W. 50' of Lot 92		9,138
S. 50' of Lot 93		15,000
N. 50' of Lot 93		15,000

MORNINGSIDE

LOT	BLOCK	SQUARE FEET
W. 50' of Lot 94 & W. 50' of Lot 95		10,000
E. 50' of W. 100' of Lot 94 & E. 50' of W. 100' of Lot 95		10,000
E. 50' of W. 150' of Lot 94 & E. 50' of W. 150' of Lot 95		10,000
E. 50' of W. 200' of Lot 94 & E. 50' of W. 200' of Lot 95		10,000
W. 50' of E. 100' of Lot 94		5,000
E. 50' of Lot 94		5,000

(Official Publication)
VILLAGE OF EDINA
HENNEPIN COUNTY, MINN.
NOTICE OF PUBLIC HEARING ON STORM SEWER

EDINA VILLAGE COUNCIL will meet at the Edina Village Hall on Monday, September 18, 1967, at 7:00 p.m., to consider the following proposed improvement to be constructed under the authority granted by Minnesota Statutes of 1961, Chapter 429. The approximate cost of said improvement is estimated by the Village at $602,000.

CONSTRUCTION OF VILLAGE STORM SEWER AND APPURTENANCES IN THE FOLLOWING:

West 41st Street from Natchez Avenue to Grimes Avenue
West 42nd Street from Lynn Avenue to Alden Avenue
West 42nd Street from Scott Avenue to a point 200 feet east of Scott Avenue
Branson Street from Grimes Avenue to a point 350 feet west of Grimes Avenue
France Avenue from West 39th Street to a point 300 feet south of West 39th Street
Grimes Avenue from Inglewood Avenue to West 41st Street
Monterey Avenue from West 41st Street to a point 300 feet south of West 41st Street
Scott Avenue from West 42nd Street to a point 235 feet south of West 42nd Street
Grimes Avenue from West 42nd Street, to Branson Street
Crocker Avenue from West 42nd Street to a point 635 feet south of West 42nd Street
Scott Avenue from 42nd Street to a point 150 feet north of 42nd Street
Along the east line of Lot 22, Riley's Subdivision of Lots 3, 4, 5, 6, 7, 30 and 31, Grimes Homestead
Along the south and east lines of the north ½ of Lot 19, Block 2, Crocker and Crowell's First Addition
Along the north line of Lot 8, Block 2, Crocker and Crowell's First Addition
Along the north line of Lot 3, Block 1, Crocker and Crowell's First Addition
Along the north line of Lot 76, Morningside
Along the north line of Lot 48, Morningside
Along the west and north lines of Lot 30, Morningside
Along the east line of Lots 25 and 26, Morningside
Along a line from Alden Avenue at West 42nd Street to the southwest corner of Outlot 1, Morningside Manor
Along a line from a point 230 feet south of the north line of Morningside Oaks, on Inglewood Avenue to a point along the east line of R.L.S. No. 567, 140 feet south of the north line of R.L.S. No. 567
Along the east line of R.L.S. No. 567 and the south 330 feet of the east line of Lot 81, Auditor's Subdivision No. 30
Along the south line of Minikahda Park from France Avenue to the east line of Lot 81, Auditor's Subdivision No. 30
Along the south line of R.L.S. No. 567

The area proposed to be assessed for the cost of the proposed storm sewer includes all lots and tracts of land within the following described boundaries:

Commencing at a point on the north-south ¼ line of Sec. 7, T. 28N, R. 24W, said point being at the center line intersection of West 40th Street and Natchez Avenue, thence south along the north-south ¼ line of said Section 7 to the south line of said Section 7, thence south along the north-south ¼ line of Sec. 18, T. 28N, R. 24W, to the center line of Morningside Road, thence west along the center line of Morningside Road to a point 30 feet north of the northeast corner of Lot 16, Wooddale Heights, thence south 30 feet to the northeast corner of said Lot 16, thence southeasterly along a line parallel to Woodale Avenue to a point on the north line of Lot 17, Grimes Homestead, thence northeasterly ten feet along the north line of said Lot 17, thence southeasterly along a line parallel to Wooddale Avenue to a point 150 feet north of the south line of Lot 13, Grimes Homestead, measured perpendicular to the south line of said lot, thence southwesterly 25 feet along a line parallel to the south line of said Lot 13, thence southeasterly along a line parallel to Wooddale Avenue, to a point 70 feet north of the south line of said Lot 13 measured perpendicular to the south line of said Lot 13, thence northeasterly along a line parallel to West 44th Street, to a point 150 feet west of the east line of Lot 16, Melvin Grimes Subdivision of Lots 8, 9, and 10, Grimes Homestead, measured along said line projected, thence southeasterly along a line parallel to the east line of said Lot 16 to the south line of said Lot 16, thence northeasterly along the north line of West 44th Street, a distance of 220 feet, thence northwesterly along a line parallel to the west line of Lot 24, Riley's Subdivision of Lots 3, 4, 5, 6, 7, 30, and 31, Grimes Homestead, to a point 136 feet north of the south line of West 44th Street measured perpendicular to said south line of West 44th Street, thence northeasterly along a line parallel to West 44th Street to the center line of Grimes Avenue, thence south along the center line of Grimes Avenue to the north line of West 44th Street, thence northeasterly along the north line of West 44th Street to a point 50 feet east of the east line of Grimes Avenue, measured perpendicular to Grimes Avenue, thence north along a line parallel to Grimes Avenue to a point 141 feet north of the south line of 44th Street, thence northeasterly along a line parallel to 44th Street to the east line of Lot 90, Morningside, thence north along the east line of Lots 90, 93, and 94, Morningside, to the southeast corner of Lot 95, Morningside, thence west 100 feet along the south line of said Lot 95, thence north along a line parallel to Grimes Avenue to the center line of Morningside Road, thence east along the center line of Morningside Road to a point 45 feet east of the east line of Alden Avenue, thence north along a line parallel to Alden Avenue to the north line of Lot 41, Morningside, thence east along the north side of Lots 41, 38, and 15, Morningside, to a point 100 feet east of the east line of Scott Ave., thence north along a line parallel to Scott Avenue to a point 50 feet north of the south line of Lot 20, Morningside, thence east along a line parallel to the south line of said Lot 20 to the west line of Lot 7, Morningside, thence south along the west line of said Lot 7 to the south line of said Lot 7, thence east along the south line of said Lot 7 to the east line of Sec. 18, T. 28N, R. 24W, thence north along the said east line of Section 18, to the southeast corner of Sec. 7, T. 28N, R. 24W, thence north along the east line of said Section 7 to the northeast corner of the southeast ¼ of the southeast ¼ of said Section 7, thence west along the south east - west ¼, ¼ line of said Section 7, to the point of beginning.

FLORENCE B. HALLBERG
Village Clerk

(Sept. 7 & 14, 1967)—C-2A-10C

Legal Boundary for the Morningside Storm Sewer ASSESSMENT DISTRICT

Commencing at a point on the north-south ¼ line of Sec. 7, T. 28N, R. 24W, said point being at the center line intersection of West 40th Street and Natchez Avenue, thence south along the north-south ¼ line of said Section 7 ~~to the south line of said Section 7, thence south along the north-south ¼ line of Sec. 18, T. 28N, R. 24W,~~ to the center line of Morningside Road, thence west along the center line of Morningside Road to a point 30 feet north of the northeast corner of Lot 16, Block 2 Wooddale Heights, thence south 30 feet to the northeast corner of said Lot 16, thence southeasterly along a line parallel to Wooddale Avenue to a point on the north line of Lot 17, Grimes Homestead, thence northeasterly ten feet along the north line of said Lot 17, thence southeasterly along a line parallel to Wooddale Avenue to a point 150 feet north of the south line of Lot 13, Grimes Homestead, measured perpendicular to the south line of said lot, thence southwesterly 25 feet along a line parallel to the south line of said Lot 13, thence southeasterly along a line parallel to Wooddale Avenue, to a point 70 feet north of the south line of said Lot 13 measured perpendicular to the south line of said Lot 13, thence northeasterly along a line parallel to West 44th Street, to a point 150 feet west of the east line of Lot 16, Melvin Grimes Subdivision of Lots 8, 9, and 10, Grimes Homestead, measured along said line projected, thence southeasterly along a line parallel to the east line of said Lot 16 to the south line of said Lot 16, thence northeasterly along the north line of West 44th Street, a distance of 220 feet, thence northwesterly along a line parallel to the west line of Lot 24, Riley's Subdivision of Lots 3, 4, 5, 6, 7, 30, and 31, Grimes Homestead, to a point 136 feet north of the south line of West 44th Street measured perpendicular to said south line of West 44th Street, thence northeasterly along a line parallel to West 44th Street to the center line of Grimes Avenue, thence south

along the center line of Grimes Avenue to the north line of West 44th Street, thence northeasterly along the north line of West 44th Street to a point 50 feet east of the east line of Grimes Avenue, measured perpendicular to Grimes Avenue, thence north along a line parallel to Grimes Avenue to a point 141 feet north of the south line of 44th Street, measured perpendicular to the said south line of 44th Street, thence northeasterly along a line parallel to 44th Street to the east line of Lot 90, Morningside, thence north along the east line of Lots 90, 93, and 94, Morningside, to the southeast corner of Lot 95, Morningside, thence west 100 feet along the south line of said Lot 95, thence north along a line parallel to Grimes Avenue to the center line of Morningside Road, thence east along the center line of Morningside Road to a point 45 feet east of the east line of Alden Avenue, thence north along a line parallel to Alden Avenue to the north line of Lot 41, Morningside, thence east along the north ~~side~~ line of Lots 41, 38, and 15, Morningside, to a point 100 feet east of the east line of Scott Avenue, thence north along a line parallel to Scott Avenue to a point 50 feet north of the south line of Lot 20, Morningside, thence east along a line parallel to the south line of said Lot 20 to the west line of Lot 7, Morningside, thence south along the west line of said Lot 7 to the south line of said Lot 7, thence east along the south line of said Lot 7 to the east line of ~~Sec. 18, T. 28N, R. 24W, thence north along the said east line of Section 18, to the southeast corner of~~ Sec. 7, T. 28N, R. 24W, thence north along the east line of said Section 7 to the northeast corner of the southeast ¼ of the ~~southeast~~ northeast ¼ of said Section 7, thence west along the ~~south~~ north east-west ¼, ¼ line of said Section 7, to the point of beginning.

Legal Boundary for the Morningside Storm Sewer ASSESSMENT DISTRICT

Commencing at a point on the north-south ¼ line of Sec. 7, T. 28N, R. 24W, said point being at the center line intersection of West 40th Street and Natchez Avenue, thence south along the north-south ¼ line of said Section 7 ~~to the south line of said Section 7, thence south along the north-south ¼ line of Sec. 18, T. 28N, R. 24W,~~ to the center line of Morningside Road, thence west along the center line of Morningside Road to a point 30 feet north of the northeast corner of Lot 16, BLOCK 2 Wooddale Heights, thence south 30 feet to the northeast corner of said Lot 16, thence southeasterly along a line parallel to Wooddale Avenue to a point on the north line of Lot 17, Grimes Homestead, thence northeasterly ten feet along the north line of said Lot 17, thence southeasterly along a line parallel to Wooddale Avenue to a point 150 feet north of the south line of Lot 13, Grimes Homestead, measured perpendicular to the south line of said lot, thence southwesterly 25 feet along a line parallel to the south line of said Lot 13, thence southeasterly along a line parallel to Wooddale Avenue, to a point 70 feet north of the south line of said Lot 13 measured perpendicular to the south line of said Lot 13, thence northeasterly along a line parallel to West 44th Street, to a point 150 feet west of the east line of Lot 16, Melvin Grimes Subdivision of Lots 8, 9, and 10, Grimes Homestead, measured along said line projected, thence southeasterly along a line parallel to the east line of said Lot 16 to the south line of said Lot 16, thence northeasterly along the north line of West 44th Street, a distance of 220 feet, thence northwesterly along a line parallel to the west line of Lot 24, Riley's Subdivision of Lots 3, 4, 5, 6, 7, 30, and 31, Grimes Homestead, to a point 136 feet north of the south line of West 44th Street measured perpendicular to said south line of West 44th Street, thence northeasterly along a line parallel to West 44th Street to the center line of Grimes Avenue, thence south

along the center line of Grimes Avenue to the north line of West 44th Street, thence northeasterly along the north line of West 44th Street to a point 50 feet east of the east line of Grimes Avenue, measured perpendicular to Grimes Avenue, thence north along a line parallel to Grimes Avenue to a point 141 feet north of the south line of 44th Street, measured perpendicular to the said south line of 44th Street, thence northeasterly along a line parallel to 44th Street to the east line of Lot 90, Morningside, thence north along the east line of Lots 90, 93, and 94, Morningside, to the southeast corner of Lot 95, Morningside, thence west 100 feet along the south line of said Lot 95, thence north along a line parallel to Grimes Avenue to the center line of Morningside Road, thence east along the center line of Morningside Road to a point 45 feet east of the east line of Alden Avenue, thence north along a line parallel to Alden Avenue to the north line of Lot 41, Morningside, thence east along the north ~~side~~ LINE of Lots 41, 38, and 15, Morningside, to a point 100 feet east of the east line of Scott Avenue, thence north along a line parallel to Scott Avenue to a point 50 feet north of the south line of Lot 20, Morningside, thence east along a line parallel to the south line of said Lot 20 to the west line of Lot 7, Morningside, thence south along the west line of said Lot 7 to the south line of said Lot 7, thence east along the south line of said Lot 7 to the east line of ~~Sec. 18, T. 28N, R. 24W, thence north along the said east line of Section 18, to the southeast corner of~~ Sec. 7, T. 28N, R. 24W, thence north along the east line of said Section 7 to the northeast corner of the southeast ¼ of the ~~southeast~~ NORTHEAST ¼ of said Section 7, thence west along the ~~south~~ NORTH east-west ¼, ¼ line of said Section 7, to the point of beginning.

Edina-Morningside File
Description of proposed system

The project includes the installation of storm sewers and appurtenances along the following streets:

West 41st Street from Natchez Avenue to Grimes Avenue
West 42nd Street from Lynn Avenue to Alden Avenue
West 42nd Street from Scott Avenue to a point 200 feet east of Scott Avenue
Branson Street from Grimes Avenue to a point 350 feet west of Grimes Avenue
France Avenue from West 39th Street to a point 300 feet south of West 39th Street
Grimes Avenue from Inglewood Avenue to West 41st Street
Monterey Avenue from West 41st Street to a point 300 feet south of West 41st Street
Scott Avenue from West 42nd Street to a point 235 feet south of West 42nd Street
Grimes Avenue from West 42nd Street, to Branson Street
Crocker Avenue from West 42nd Street to a point 635 feet south of West 42nd Street
Scott Avenue from 42nd Street to a point 150 feet north of 42nd Street

Storm sewers and appurtenances will also be installed along the following proposed easements:

Along the east line of Lot 22, Riley's Subdivision, of Lots 3, 4, 5, 6, 7, 30, and 31, Grimes Homestead
Along the south and east lines of the north ½ of Lot 19, Block 2, Crocker and Crowell's First Addition
Along the north line of Lot 8, Block 2, Crocker and Crowell's First Addition
Along the north line of Lot 3, Block 1, Crocker and Crowell's First Addition
Along the north line of Lot 76, Morningside
Along the north line of Lot 48, Morningside
Along the west and north lines of Lot 30, Morningside
Along the east line of Lots 25 and 26, Morningside
Along a line from Alden Avenue at West 42nd Street to the southwest corner of Outlot 1, Morningside Manor
Along a line from a point 230 feet south of the north line of Morningside Oaks, on Inglewood Avenue to a point along the east line of R.L.S. No. 567, 140 feet south of the north line of R.L.S No. 567
Along the east line of R.L.S. No. 567 and the south 330 feet of the east line of Lot 81, Auditors' Subdivision No. 30
Along the south line of Minikahda Park from France Avenue to the east line of Lot 81, Auditor's Subdivision No. 30
Along the south line of R.L.S. No. 567

BARR ENGINEERING CO.
CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

September 14, 1967

Mr. George Hite
Director of Public Works & Engineering
Village of Edina
4801 West 50th Street
Edina, Minnesota 55424

Re: Morningside Area Storm Sewer System

Dear Mr. Hite:

In accordance with your instructions we have revised the storm sewer system using a 50 year storm frequency in determining the volume of water that will need to be stored in the storage sites. The five year storm frequency was still used in sizing the storm sewers carrying water to the storage sites. By reducing the storm frequency from 100 year to 50 year the cost estimate for the trunk storm sewer system was reduced $41,000. This reduction is for that portion of the trunk system starting at Natchez and 41st Street and extending to 39th Street and France Avenue. As can be seen on the attached estimate the total construction cost is estimated to be $274,407 compared to the previous estimate of $315,150.

It is roughly estimated that there would be approximately a $15 a foot reduction for the remaining 4,000 feet of storm sewer located in Minneapolis. This will result in an additional reduction of approximately $60,000.

Also in accordance with your instructions we have separated the excavation required at the inundation area and the excavation required on the north end of the ball field from the main pond excavation. If the excavation at the two inundation sites is delayed the construction cost estimate can be reduced an additional $39,900.

We have attached a plan labeled Alternate No. 6 showing the proposed storm sewer sizes and elevations, and the normal level on the proposed pond. We have also attached a small drawing showing the final grading at the pond and the inundation area on the ball field. The division line between the immediate and delayed construction is the west line of out-lot 1 of Morningside Manor.

One additional item which should be kept in mind, is that St. Louis Park must limit the discharge from the Browndale Park area to a maximum of 5 cfs, if this system is to work as designed.

If you have any questions please contact us.

Yours truly,

John D. Dickson

JDD:dh
cc: Ray Drake

Revised Cost Estimate

TRUNK STORM SEWER - MORNINGSIDE AREA

Village of Edina

Proposed 1967 - 1968 Construction

Item		Quantity	Unit Price	Cost
12" RCP	0-8' Depth	60 L.F.	$ 6.50	$ 390
15" RCP	0-8'	150	7.50	1,125
18" RCP	0-8'	560	8.50	4,755
18" RCP	0-10'	70	10.00	700
27" RCP	0-8'	200	13.00	2,600
30" RCP	0-8'	274	14.50	3,973
	8-10'	430	16.00	6,880
	10-12'	400	17.50	7,000
	12-14'	124	20.50	2,542
	14-16'	195	25.00	4,875
	16-18'	128	30.00	3,840
	18-20'	108	36.00	3,888
	20-22	305	44.00	13,420
36" RCP	0-8'	176	21.00	3,696
	8-10'	38	24.00	912
	10-12'	34	26.00	884
	12-14'	22	28.00	616
42" RCP	0-8'	16	25.00	400
	8-10'	392	27.00	7,884
	10-12'	1052	29.00	30,508
54" RCP	8-10'	429	35.00	15,015
	10-12'	81	38.00	3,078
	12-14'	94	41.00	3,854
	14-16'	32	45.00	1,440
	20-22'	54	61.00	3,294
48" CMP	0-8'	12	25.00	300
Manholes and Catch Basins		159	30.00	4,770
M.H. & C.B. Casting Assemblies		24	70.00	1,680
Pipe Gaskets	18" RCP	80 Jts.	5.00	400
	27" RCP	25	7.50	188
	30" RCP	206	8.50	1,750
	36" RCP	35	12.00	420
	42" RCP	225	14.00	3,150
	54" RCP	115	17.00	1,955
R.C. Apron End Sections		2	150.00	300
Pile Support System		665	50.00	33,250

Item	Quantity	Unit Price	Cost
Excavation for Storage Sites	51,400	$ .90	$ 46,200
Lower Water Mains	L.S.		1,000
Alter Sanitary Sewer	L.S.		400
Pond Fencing	1,660	3.00	4,980
Sodding & Black Dirt	4,500	1.00	4,500
Remove & Replace Conc. C. & G.	60	3.25	195
Resurface Streets	2,000	.75	1,500
TOTAL COST 1967 - 1968 Construction			$ 234,507
Delayed Construction			
Excavation	38,300 C.Y.	.90	$ 34,500
Drain Tile	1,500 L.F.	2.00	3,000
Seeding & Preparation	300#	3.00	2,400
TOTAL COST - Delayed Construction			$ 39,900
TOTAL CONSTRUCTION COST			$ 274,407

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CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

August 25, 1967

Mr. Raymond Drake, P.E.
Edina Village Engineer
Edina Village Hall
4801 West 50th Street
Edina, Minnesota 55424

Re: Morningside Area Storm Sewer

Dear Mr. Drake:

Enclosed are copies of the estimates for the lateral system and the trunk system in the above referenced storm sewer. I found them in my briefcase after returning from our meeting on Tuesday. You may want somebody on your staff to review our unit prices and if some are found grossly in error it may be desirable to revise the estimate before the public hearing.

Yours truly,

John D. Dickson

JDD:ta
Enc.

Prov. Fed
LAH

VILLAGE OF EDINA

STORM SEWER - MORNINGSIDE AREA

Estimated Construction Cost — Trunk System

Item			Quantity	Unit Price	Cost
12" RCP	0- 8'	Depth	45 L.F.	6.50	$ 290
15" RCP	0- 8'		120	7.50	900
18" RCP	0- 8'		560	8.50	4,755
18" RCP	8-10'		70	10	700
27" RCP	0- 8'		180	13	2,340
36" RCP	0- 8'		64	21	1,350
42" RCP	8-10'		288	28	8,060
48" RCP	0- 8'		142	27.50	3,900
48" RCP	8-10'		566	29.50	16,680
48" RCP	10-12'		433	32	13,850
48" RCP	12-14'		24	35	840
48" RCP	14-16'		44	40	1,760
48" RCP	16-18'		38	45	1,710
48" RCP	18-20'		96	51	4,900
54" RCP	0- 8'		202	32	6,460
54" RCP	8-10'		201	35	7,040
54" RCP	10-12'		842	38	32,000
54" RCP	12-14'		108	41	4,430
54" RCP	14-16'		188	45	8,450
54" RCP	16-18'		36	51	1,830
54" RCP	20-22'		304	61	18,540
60" RCP	8-10'		509	42	21,380
60" RCP	10-12'		78	45	3,510
60" RCP	12-14'		108	49	5,300
72" CMP	0- 8'		20	50	1,000
Catch Basins and Manholes			70	30	2,100
M.H. and C.B. Castings			20	77.50	1,550
48" Round Cover for Riser			3	50	150
Pipe Gaskets	18" RCP		38 Jts.	5	190
	42" RCP		40	14	560
	48" RCP		214	14	3,000
	54" RCP		303	17	5,150
	60" RCP		116	20	2,320
Pile Support System			748 L.F.	50	37,400
Drain Tile (Inundation Area)			1500	2	3,000

Estimated Construction Cost

Trunk System

Item	Quantity	Unit Price	Cost
Excavation for Storage Sites	84,000 yd^3	0.90	$ 75,500
Lower Water Mains		Lump	1,000
Alter Sanitary Sewers	40 L.F.	10	400
Pond Fencing	1,660	3	4,980
Sodding and Black Dirt	3,000 yd^2	1	3,000
Seeding and Preparation	400#	3	1,200
Remove and Replace Concrete C. and G.	60 L.F.	3.25	195
Resurfacing Streets	1,975 yd^2	0.75	1,480
	TOTAL COST		$315,150

VILLAGE OF EDINA

STORM SEWER - MORNINGSIDE AREA

Estimated Construction Cost — Lateral System

Item			Quantity	Unit Price	Cost
12" RCP CL. IV	0- 8'	Depth	2060 L.F.	6.50	$ 13,400
12" RCP CL. IV	8-10'		124	7	870
12" RCP CL. IV	10-12'		35	9.50	330
15" RCP CL. III	0- 8'		1086	7.50	8,150
15" RCP CL. III	8-10'		24	9	220
15" RCP CL. III	10-12'		34	10.50	360
18" RCP CL. II	0- 8'		592	8.50	5,030
18" RCP CL. II	8-10'		80	10	800
21" RCP CL. II	8-10'		276	11.50	3,180
24" RCP CL. II	8-10'		240	12.50	3,000
27" RCP CL. II	0- 8'		390	13	5,070
27" RCP CL. II	8-10'		100	14.50	1,450
30" RCP CL. II	0- 8'		190	14.50	2,760
30" RCP CL. II	8-10'		540	16	8,630
30" RCP CL. II	10-12'		126	17.50	2,200
30" RCP CL. III	12-14'		302	20.50	6,190
33" RCP CL. II	0- 8'		16	16.50	260
33" RCP CL. II	8-10'		54	18.50	1,000
33" RCP CL. II	10-12'		196	20	3,920
33" RCP CL. II	12-14'		420	23	9,650
33" RCP CL. III	14-16'		243	27	6,560
33" RCP CL. IV	16-18'		430	31.50	13,550
42" RCP CL. II	12-14'		43	30.50	1,310
42" RCP CL. III	14-16'		142	34	4,830
42" RCP CL. III	16-18'		66	37.50	2,480
42" RCP CL. IV	16-18'		185	39.50	7,300
48" RCP CL. II	0- 8'		14	26	360
48" RCP CL. II	8-10'		56	28.50	1,600
48" RCP CL. II	10-12'		252	30	7,550
48" RCP CL. II	12-14'		88	33.50	2,950
48" RCP CL. III	14-16'		18	39	700
42" CMP 14 ga.	0- 8'		12	16	190
60" CMP 10 ga.	0- 8'		12	37	440
Eccentric Increasors or Reducers (RCP)	33" to 36"		one	120	120
	36" to 42"		one	150	150
	42" to 48"		three	175	525
	24" to 18"		one	100	100
	30" to 24"		one	100	100
	33" to 30"		one	100	100

Estimated Construction Cost

Lateral System

Item		Quantity	Unit Price	Cost
Pipe Gaskets	12" RCP	117 Jts.	4	$ 470
	15" RCP	88	4.50	400
	18" RCP	85	5	420
	21" RCP	35	5.50	190
	24" RCP	30	6	180
	27" RCP	13	7.50	100
	30" RCP	100	8.50	850
	33" RCP	58	9.50	550
	42" RCP	56	13.00	730
	48" RCP	56	13.50	760
Catch Basins and Manholes		349 L.F.	35	12,220
M.H. and C.B. Castings		73	80	5,840
R.C. Tee Sections	48" RCP	two	275	550
$7\frac{1}{2}^{0}$ Long Rad. Bends	48" RCP	two	130	260
48" RCP Riser		18 L.F.	20	360
R.C. Apron End Sections	12" RCP	one	25	25
Resurfacing Streets		15,675 yd^2	0.75	11,760
Rolled Bituminous Curb		233 Tons	10	2,330
Remove Concrete Curb and Gutter		4306 L.F.	0.75	3,230
Remove Concrete Curb		828 L.F.	0.25	210
Remove and Replace Concrete Sidewalk		2306 L.F.	2.50	5,760
Remove and Replace Trees		18 Trees	115	2,070
Sodding and Black Dirt		4150 yd^2	1	4,150
Remove and Replace 9" V.C.P. Sanitary Sewer		675 L.F.	6	4,050
		TOTAL COST		$184,850

EDINA-MORNINGSIDE
August 9, 1967

CONTROVERSY IN EDINA

Residents Protest Site Choice

By KRISTIN SERUM
Minneapolis Star Staff Writer

A group of Edina residents have asked the Edina Village Council and village attorney to request an attorney general's opinion regarding the selection of a site for an elementary school by the St. Louis Park School District.

The swampy site on 41st St. and Natchez Av., near the boundary between St. Louis Park and Edina, was approved by the St. Louis Park Board last October after nearly a year of deliberation. Contracts for construction of the school were let in July, and construction began about two weeks ago.

Three acres of the site, which are planned for use as a playground, are in Edina and in the Edina School District.

Opinion Asked

The Edina group, led by James Jordan, 4406 W. 42nd St., asked this week for an attorney general's opinion on whether Edina can refuse to allow the land to be used for a school playground.

The group contends that the site is a natural drainage area and that residents of the area will have to pay more for a proposed storm sewer to serve the area if it is converted into a playground.

The St. Louis Park School Board contends that the three acres are necessary for the site to meet standard acreage requirements for an elementary school.

Other Objections

The group also objects to the site on the grounds that:

The school is being constructed before St. Louis Park, Edina and Minneapolis have completed negotiations on the storm sewer that will serve the area.

A drainage ditch, which has served the area in the absence of a storm sewer, cuts through the area.

Part of the site is thought to be owned by the state and reserved for park purposes.

Construction on the site prior to construction of the storm sewer has caused part of 40th St., adjoining the site, to "cave in," according to Jordan.

The Edina Village Council told the group Monday to submit its complaints and requests in writing. The council will then consider appealing to the attorney general.

BARR ENGINEERING CO.
CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

August 8, 1967

Village of Edina
4801 West 50th Street
Edina, Minnesota 55424

Re: Morningside Area Storm Sewer

Attn: Mr. George Hite, Director of Public Work and Engineering
Mr. Raymond Drake, Village Engineer

Gentlemen:

We have completed our construction cost estimate for the storm sewer in the above referenced area.

On June 12 of this year we sent you a construction cost estimate for the trunk system from Natchez Avenue and West 41st Street to France Avenue and 39th Street. The amount of that estimate was $302,100. In accordance with your instructions we have made cost estimates of three storm sewer stubs which will drain both Edina and St. Louis Park drainage areas. These costs should be added to the cost estimate of the trunk storm sewer system. These stubs are located as follows: From the intersection of Monterey and 41st Street south approximately 300 feet, from the intersection of Grimes Avenue and 41st Street north approximately 200 feet, and from the low point in Inglewood Avenue (approximately 200 feet south of the north line of Edina) easterly to connect to the north-south trunk. The cost of these three stub storm sewers, including catch basins, is estimated to be $13,050 making a new total cost of the trunk system of $315,150.

The estimated construction cost for the complete lateral system located in this area of Edina is $184,850. This cost estimate includes the costs of all storm sewers, man holes, catch basins, leads, street replacement with a oil stabilized base, bituminous berm curve, tree removal, sidewalk replacement, sod replacement, and the relaying of sanitary sewer where necessary. In preparing this cost estimate we took into consideration that a considerable portion of the system will be installed on narrow street right-of-ways, all other utilities are already in place, and there is a high water table for a considerable portion of the system. No soil borings were made on any of the lateral system.

There are five stubs that possibly could be delayed to some future date until they are proved necessary by experience. The location of these five stubs are as follows:

1) A 12-inch line draining the low area between Branson Road and 44th Street west of Grimes. The estimated cost of this stub exclusive of right-of-way is $1,800.

2) A stub from the drainage lot located on Littel Street and Lynn Avenue and running easterly to Crocker Avenue. This line would also pick up the low area between Crocker Avenue and Lynn Avenue. The estimated cost of this storm sewer is $5,300.

3) A stub located on a low point in Lynn Avenue between 41st Street and 42nd Street to empty into the inundation area. Until the inundation area is excavated and Lynn is improved, this stub may be delayed. The cost of this was estimated to be $1,000.

4) On the low point of Kipling Avenue between 41st Street and 42nd Street. This is similar to the one on Lynn Avenue and likewise this can be delayed until the inundation area has been excavated and Kipling is improved. The estimated cost including catch basins and storm sewer is $1,000.

5) A stub to pick up the low area on the northeast corner of 41st Street and Kipling Avenue. There is a low depression at this location that will need an outlet to the storm sewer system prior to its development. However, it is quite possible that this also can be delayed. The estimated cost of this storm sewer stub is $700.

If all five of these storm sewer stubs are indefinitely postponed it would reduce the total lateral cost by approximately $9,800, reducing the total estimated cost of the lateral system to $175,050.

The total drainage area within the Village of Edina, to be served by this sewer system, is 182.3 acres. Of this total area 26.8 acres is in street right-of-way, 9.55 acres is owned by the City of Minneapolis for their water reservoir, and 3.75 acres is the area of the proposed pond located northwest of 42nd Street and France Avenue. This leaves 142.2 acres as the assessable drainage area within Edina.

The proposed system will make available for urban development seven lots which are presently being used as drainage lots. Six of these lots are extremely large lots being 100' x 200'. We have not attempted to place a value on making these into developable lots.

All of the cost estimates indicated in this letter are for the construction

cost of the improvement. They do not include the cost of any right-of-way acquisition, legal and engineering costs and similar items. Therefore, it may be desirable to add a percentage for contingencies.

If you have any questions concerning these estimates, please contact us.

Yours truly,

John D. Dickson

JDD:ta

July 19, 1967

Mr. Warren Hyde
Village Manager
Village of Edina
4801 West 50th Street
Edina, Minnesota

Att: George Hite
Director of Pub.Works

Re: Storm Sewer Project 62-85
Southeast St. Louis Park

Dear Mr. Hyde:

Please find enclosed an easement description and sketch plan of the proposed easement for the storm sewer extension from Natchez to Quentin Avenue through the low area to the south of the new Susan Lindgren Elementary School.

The location for this storm sewer easement was determined after the attached soil borings were made and by discussions with the school architects.

It would appear that, although we have peat soils in this section, it is feasible to construct the storm sewer by the use of rock foundation. I am basing this judgment on the soil boring information and the proposed sewer inverts in accordance with your preliminary plans.

I have discussed this with Mr. Andre, and we would like to request that, in the preparation of your preliminary plans for this project to be done under a cooperative agreement with the City of St. Louis Park, we plan to construct this portion of the storm sewer as part of the contract to terminate at Quentin Avenue. This would complete the storm sewer through this school property area which would enable them to finish the school and its parking and playground areas.

Mr. Warren Hyde
Village Manager

We would appreciate it if you could confirm that this portion of the sewer would be included in the preliminary plans which we understand will be submitted to the City Council of Edina and St. Louis Park some time in August.

If you have any questions regarding this proposal please call me.

Very truly yours,

R. O. Folland, P.E.
Director of Public Works

ROF:lh

Enc. 3

cc. C. D. Andre
Bart Engineering Co.

Phone: 827-1775

HAROLD HOFSTRAND
PRESIDENT
ARTHUR E. OSTLUND
VICE PRESIDENT
WAYNE R. LONG
VICE PRESIDENT

Description for Storm Sewer Easement from
Independent School District St.Louis Park.

That part of Tract B, Registered Land Survey No.32 and that part of Tract A, Registered Land Survey No.243, Files of Registrar of Titles, Hennepin County, Minnesota, and that part of Lots 6 and 7, Yale Land Company's Garden Lots, described as a strip of land 30 feet in width, being 15 feet on each side of the following described line; beginning at a point on the Southwesterly line of said Tract A, distant 15 feet Northwesterly of the Southwesterly corner thereof; thence Northeasterly parallel with the Southeasterly line of said Tract A, 40 feet; thence Northeasterly deflecting to the left at an angle of 36 degrees 00 minutes a distance of 170 feet; thence Northeasterly 591 feet, more or less, to a point on the East line of said Lot 7, Yale Land Company's Garden Lots, where a line 10 feet Northerly of the center line of West 41st. Street extended West intersects the East line of said Lot 7, and there terminating. The Northwesterly line of said strip to be extended a sufficient distance to intersect the Easterly line of said Lot 7.

S.L. Pk. Proj. 62-85

Storm Sewer Easement

Soil Borings

Barr Engr. Co.

7-19-67

SOIL ENGINEERING SERVICES, INC.
615 NORTH COUNTY RD. 18 | MINNEAPOLIS, MINN. 55427 • 544-2739

J. S. BRAUN, P.E.

June 13, 1967

Mr. Ray Folland, P.E.
Department of Public Works
City of St. Louis Park
5005 Minnetonka Boulevard
St. Louis Park, Minnesota 55416

Re: 67-125 SOIL BORINGS
Storm Sewer
S of Susan Lindgren
Elementary School
(City Project #62-85)

Mr. Folland:

Per your request, soil borings were taken, on June 9, on the above referenced project in order to evaluate the depth of soft organic soils and also to determine the type of underlying mineral soil.

You requested a total of eight borings at locations indicated on the plot and roof plan furnished for our use. Egan, Field, and Nowak, Land Surveyors, flagged four property irons, as shown on the attached sketch, so that we could reference our borings to the property lines. Boring locations are also shown on the attached sketch. Locations are somewhat approximate since dense woods made locating difficult without brushing a line.

These boring locations have been flagged and lathed in the field. We suggest that, as a part of the survey, these boring locations be referenced.

Boring B-1 was accessible to the truck-mounted equipment and was taken with a power auger. Soils encountered in the borings were visually classified in accordance with the U.S. Bureau of Chemistry and Soils Classification System. A copy of that chart is attached. Boring HA-3 was inaccessible to the truck-mounted equipment. Mineral soils at the surface prevented the taking of a hand auger boring. All of the other borings were taken with hand auger equipment. Hand auger borings are limited to the depth from which the hand auger can be manually withdrawn, hence, they are limited to indicating the depth of soft organic soils and merely identifying the surface of underlying mineral soils.

After completion of the final boring, the depth to water was measured in the power auger boring. Reliable water level measurements cannot be made in hand auger borings.

RESULTS

Results of the borings are plotted on the attached soil boring log sheets.

Boring B-1 indicated approximately 6 feet of sand and gravel fill over about 6 feet of peat and muck. Between the 12 and 15-foot depths in this boring, a non plastic dark brown to black sandy loam was encountered. Between the 15 and termination depth of 25 feet, the boring encountered a brown fine to medium sand. The water level was recorded at the 6.5-foot depth when measured 3½ hours after completion of the boring.

Borings HA-2, 5, and 6 indicated approximately 1-foot of water over peat and muck. This peat and muck was between 3 and 8 feet deep. Borings HA-2 and HA-5 indicated a sand below the peat while HA-6 indicated a clay loam with a little fine gravel below the peat.

Borings HA-4, 7, and 8 indicated from 1 to 3 feet of loam or sandy loam topsoil at the surface. Sandy loams or clay loams were found to underlie the topsoils in these borings.

RECOMMENDATIONS

The proposed route lies in about the center of a valley, the sides of which slope sharply upward to the north and south. Water currently covers much of this lower region and the topographic features indicate that extensive depths of peat are a distinct possibility.

These borings indicate the bottom of the organic soils to be as much as 12 feet below current grade on the east end of the route and on the order of 7 to 9 feet on central portions of the route.

Topographic features, as well as previous borings taken by others on the adjacent school site, indicate that a more limited depth of organic soils would be anticipated to the north of the currently proposed route. Depending upon invert grade and other factors, some economy might result by shifting the route to the north.

After a final route has been selected and the surface has dried, it is suggested that penetration test borings be taken to assist in defining depths of organic soils and to also establish whether the underlying mineral soils are capable of supporting the proposed sewer and fill.

SOIL ENGINEERING SERVICES, INC.

Of necessity, the area of the borings in relation to the area of the site, and the depth of the borings, are limited. Suggestions and/or recommendations of this report are opinions based upon the data obtained from the borings.

If we can be of further assistance in evaluating these data, or taking additional borings, kindly contact us at your convenience.

Very truly yours,

SOIL ENGINEERING SERVICES, INC.

J. S. Braun, P.E.
Soils Engineer

JSB/DLG:mlk
Enclosures

LOG OF TEST BORINGS

SOIL ENGINEERING SERVICES, INC.

PROJECT: 67-125
Storm Sewer
LOCATION: S of Susan Lindgren Elem. School
St. Louis Park, Minnesota VERTICAL SCALE: 1" = 3'

B-1

DEPTH		BPF
0'	Fill, Medium Sand with Fine Gravel, brown, moist	
6'	(Water Level) Peat and Muck, black, wet	
12'	Sandy Loam, non plastic, dark brown to black, wet	
15'	Fine to Medium Sand, brown, wet	

*Water level down 6.5' when measured 3½ hours after completion of boring.

HA-2

DEPTH		BPF
0'		
1'	Water	
	Peat and Muck, black, wet	
9'		
10'	Medium Sand, grey, wet	

LOG OF TEST BORINGS

PROJECT: 67-125
Storm Sewer
LOCATION: S of Susan Lindgren Elem. School
St. Louis Park, Minnesota VERTICAL SCALE: 1" = 3'

HA-3

DEPTH		BPF
0	Inaccessible to truck-mounted power auger, mineral soils at surface prevented hand auger boring.	

HA-4

DEPTH		BPF
0'	Sandy Loam Topsoil, plastic, black, moist	
3'		
4'	Sandy Loam, slightly plastic brown, moist	

LOG OF TEST BORINGS

67-125
PROJECT: Storm Sewer
LOCATION: S of Susan Lindgren Elem. School
St. Louis Park, Minnesota VERTICAL SCALE: 1" = 3'

HA-5

DEPTH		SPF
0		
1'	Water	
	Peat and Muck, black, wet	
4'		
5'	Fine Sand, grey, wet	

HA-6

DEPTH		SPF
0'		
0.5'	Water	
	Peat and Muck, black, wet	
7'		
8'	Clay Loam with a little Fine Gravel, dark grey, wet	

LOG OF TEST BORINGS

SOIL BORING SERVICES, INC.

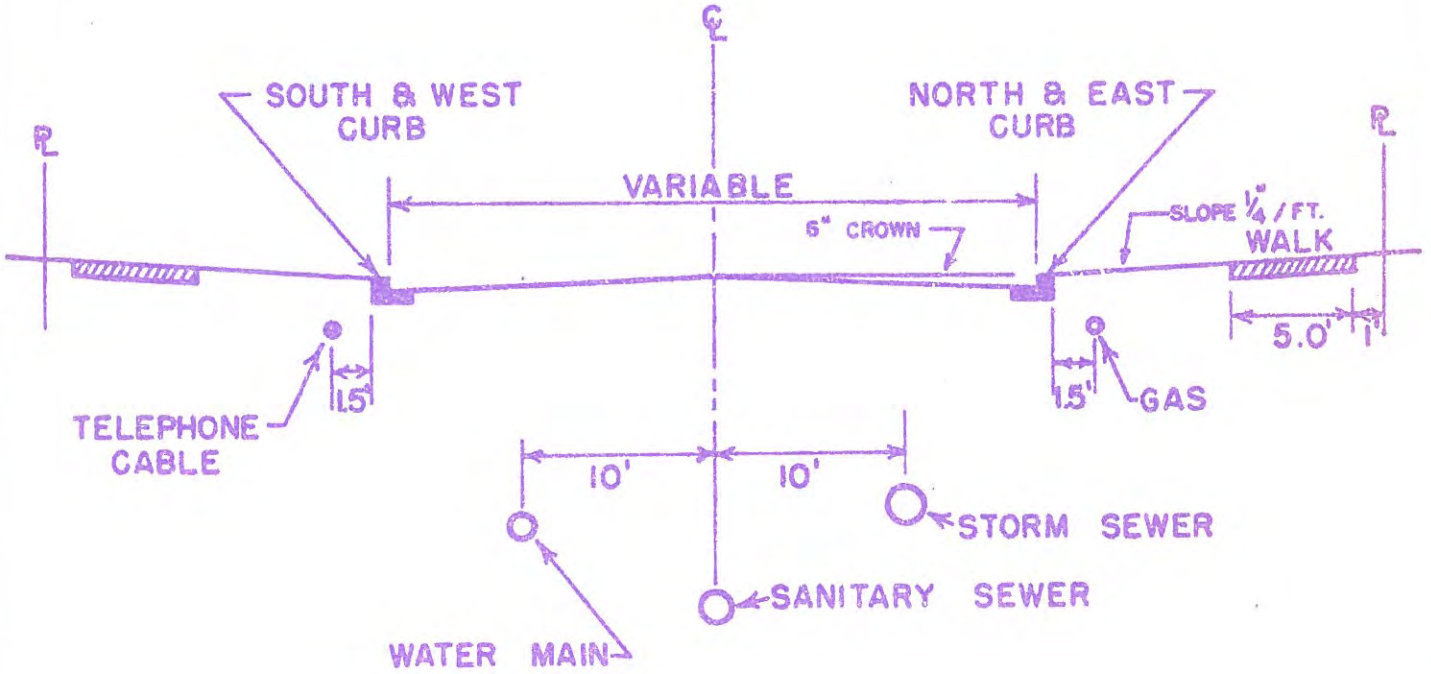
PROJECT: 67-125
Storm Sewer
LOCATION: S of Susan Lindgren Blem School
St. Louis Park, Minnesota VERTICAL SCALE: 1" = 3'

HA-7

DEPTH		PPF
0		
1'	Loam Topsoil, plastic, black, moist	
2'	Sandy Loam, plastic, brown, moist	

HA-8

DEPTH		PPF
0'	Loam Topsoil, plastic, black, moist	
3'		
4'	Clay Loam, brown, moist	



STREET WIDTH, WHERE CURB & GUTTER DOES NOT EXIST, SHALL BE DETERMINED AT TIME OF APPLICATION.

ST. LOUIS PARK, MINNESOTA

STANDARD LOCATIONS FOR UTILITIES

ADOPTED 5/12/59

BARR ENGINEERING CO.
CONSULTING HYDRAULIC ENGINEERS

DOUGLAS W. BARR, PRESIDENT
JOHN D. DICKSON, VICE PRESIDENT

440 ROANOKE BUILDING
MINNEAPOLIS, MINNESOTA 55402
TELEPHONE (AREA 612) 333-7221

June 12, 1967

Mr. Raymond Drake
Village Engineer
Village of Edina
4801 West 50th Street
Edina, Minnesota 55424

Re: Morningside area storm sewer

Dear Mr. Drake:

At your request we have prepared a construction cost estimate for the storm sewer trunk in the above referenced area. Included in this cost estimate is the cost of the trunk storm sewer from Natchez Avenue and 41st Street to France Avenue and 39th Street including storage ponds and inundation areas.

We did not include in this estimate any provision for repaving streets, or resodding except at the storage sites. Neither did we include the cost of any clearing or grubbing, the cost of sheeting if necessary in the deep cut near the Minneapolis water reservoir, or the replacement or relocation of sanitary sewer or water main that may be located in France Avenue near 39th. If you believe any of these items will be required it may be wise to add a percentage for contingencies of this type.

Yours truly,

John D. Dickson

JDD/lf

VILLAGE OF EDINA

STORM SEWER - MORNINGSIDE AREA

Estimated Construction Cost — Alternate 5

Item		Quantity	Unit Price	Cost
36" RCP CL. II		52 L.F.	$ 15	$ 780
42" RCP CL. II		176 L.F.	19	3,340
42" RCP CL. III		112 L.F.	19.50	2,180
48" RCP CL. II		967 L.F.	22	21,300
48" RCP CL. III		309 L.F.	23	7,100
54" RCP CL. II		1137 L.F.	27	30,750
54" RCP CL. III		230 L.F.	28	6,440
54" RCP CL. IV		318 L.F.	32	10,170
60" RCP CL. II		438 L.F.	31	13,600
60" RCP CL. III		224 L.F.	33	7,400
72" CMP (10 gage)		20 L.F.	43	860
7 1/2° Long Rad. Bends	36" RCP	3	83 Ea.	250
7 1/2° Long Rad. Bends	42" RCP	3	110	330
7 1/2° Long Rad. Bends	48" RCP	12	130	1,560
7 1/2° Long Rad. Bends	54" RCP	36	160	5,760
R.C. Tee Sections	48" RCP	3	275	830
	54" RCP	7	340	2,380
	60" RCP	4	400	1,600
R.C. Apron End Sections	36" RCP	1	135	135
	42" RCP	1	165	165
Eccentric Increasors or Reducers	42" to 48"	2	175	350
	48" to 54"	4	215	860
	54" to 60"	1	260	260
Standard 4 Ft. Conc. Cone		7	100	700
48" Round Cover for Riser		3	50	150
Manhole Casting Assembly		10	75	750
Gaskets for:	42" RCP	40 Jts.	14/Jt.	560
	48" RCP	214	14	3,000
	54" RCP	303	17	5,150
	60" RCP	116	20	2,320

VOID

Estimated Construction Cost — Alternate 5

Item		Quantity	Unit Price	Cost
Trench Excavation:				
36" RCP	0-8'	64 L.F.	$ 5	$ 320
42" RCP	8-10'	288	7.50	2,160
48" RCP	0-8'	142	6	850
48" RCP	8-10'	566	8	4,520
48" RCP	10-12'	433	11	4,760
48" RCP	12-14'	24	14	340
48" RCP	14-16'	44	18	790
48" RCP	16-18'	38	22	840
48" RCP	18-20'	96	27	2,590
54" RCP	0-8'	202	7	1,410
54" RCP	8-10'	201	9	1,810
54" RCP	10-12'	842	11	930
54" RCP	12-14'	108	15	1,620
54" RCP	14-16'	188	19	3,570
54" RCP	16-18'	36	23	830
54" RCP	20-22'	304	33	10,000
60" RCP	0-8'	0	7	---
60" RCP	8-10'	509	9	4,580
60" RCP	10-12'	78	12	940
60" RCP	12-14'	108	16	1,730
Pile Support System		748 L.F.	$ 50/L.F.	37,400
Drain Tile (Inundation Area)		1500 L.F.	$ 2/L.F.	3,000
Excavation for Storage Sites		84,000 C.Y.	$.90/C.Y.	75,500
Lower Water Mains		---	Lump	1,000
Alter Sanitary Sewers		40 L.F.	$ 10/L.F.	400
Pond Fencing		1660 L.F.	$ 3/L.F.	4,980
Sodding and Black Dirt		3000 Yd.	$ 1/yd.	3,000
Seeding and Preparation		400#	$ 3/#	1,200
	TOTAL COST.			$302,100

Estimate of Cost

Storm sewer Alt 5 Mpls section

Location: City of Minneapolis From W 39th St. & France Ave to Lake Calhoun

Estimated Cost of Construction

Quantity	Material	Unit Price	Total
1560	4/F 54" R.C.P. 0-8' Depth	40.00	62,400.00
660	4/F 54" R.C.P. 8-10' Depth	43.00	28,380.00
1980	4/F 54" R.C.P. 10-12' Depth	46.00	91,080.00
1	Outlet structure	500.00	500.00
13	Manholes	300.00	3,900.00
	Estimated Cost of construction	#	186,260.00

Quantity	Material	Unit Price	Total
1	42X48" increaser. 160	195,00	195,00
1	48X42" reducer 160	195,00	195,00
18	V/F 48" Diam Manhole Wall	22,00	396.00
7	std Manhole castings F+I	65,00	455,00
7	48" Diam X1' Thick with 27" cut out Manhole top sections	50,00	350.00
2	Lower 6" C.I.P. Water Mains (Includes all material + labor)	Lump Sum	1,000.00
40	L/F 8" D.I.P. For San. Sewer 0-8' Depth	10.00	400.00
1660	L/F 5' high Chain link Fence F+I with gate	3.00	4,980.00
65,000	C/y Excavation	0.90	58,500.00
2000	S/y Cultured Sod includes excavation + 4" compacted black dirt	1.00	2,000.00
1100	Lbs MHD Class 16 Grass seed F+I includes soil preparation	3,00	1,200.00
5	C/y Concrete For Footings	50.00	250.00
	Estimated Cost of Construction		# 239,190,00

Edmas Estimate

Estimate of Cost Alt 5

Storm Sewer

Location: Morningside Area

Estimated Cost of Construction: $

Quantity	Material	F&I	Trench	Unit Price	Total
309	L/F 60" R.C.P 0-8' Depth	31.19	7.06	43.00	13,287.00
172	L/F 60" R.C.P. 8-10' Depth	31.19	9.15	46.00	7,912.00
84	L/F 60" R.C.P. 10-12' Depth	31.19	11.58	49.00	4,116.00
93	L/F 60" R.C.P. 12-14 Depth	31.19	15.69	54.00	5,022.00
1293	L/F 54" R.C.P. 0-8' Depth	26.63	6.78	40,00	51,720.00
510	L/F 54" R.C.P. 8-10' Depth	26.63	8.74	43.00	21,930.00
44	L/F 54" R.C.P. 10-12' Depth	26.63	11.14	46.00	2,024.00
49	L/F 54" R.C.P. 12-14' Depth	26.63	15.08	50.00	2,450.00
234	L/F 54" R.C.P. 14-16' Depth	27.69	18.86	55.00	13,145.00
130	L/F 54" R.C.P. 16-18' Depth	27.69	23.14	60,00	7,800.00
99	L/F 54" R.C.P. 18-20' Depth	27.69	27.79	67,00	6,633.00
75	L/F 48" R.C.P. 8-10' Depth.			39.00	2,925.00
122	L/F 48" R.C.P. 10-12' Depth			41,00	5,002.00
137	L/F 48" R.C.P. 12-14' Depth			45.00	6,165.00
284	L/F 42" R.C.P. 0-8' Depth			25,50	7,242,00
75	L/F 42" R.C.P. 8-10' Depth			29,50	2,212,50
19	L/F 42" R.C.P. 10-12' Depth			31.50	598,50
110	L/F 66" C.M.P. Bit Coated, Paved invert 0-8' Depth			38.00	4,180,00
50	L/F 36" R.C.P. 0-8' Depth			25,00	1,250,00
2	60x48" Tees	390,73		310.00	620,00
1	54x54" Tee	331.46		285.00	285.00
1	54x48" Tee	331.46		270.00	270.00
5	48x48" Tees	264.97		225.00	1,125.00
2	42x48" Tees			220.00	440,00
1	42x42" Tee			195.00	195.00
1	42x36" Tee			180,00	180,00
1	60x48" reducer	240		220.00	220,00
1	54x48" reducer	200		160.00	160,00
1	48x54" increaser	200		160.00	160,00

Estimate of Cost — (St Louis Park Sect State Aid) Alt 3 —

Storm Sewer

Location : Fruce Ave W 39th ST, to 326' ± So.

Quantity	Material	Unit Price	Total
87	L/F 54" R.C.P. 8-10' Depth	43.00	3,741.00
67	L/F 54" R.C.P. 10-12' Depth	46.00	3,082,00
69	L/F 54" R.C.P. 12-14' Depth	50.00	3,450.00
147	L/F 54" R.C.P. 14-16' Depth	55.00	8,085.00
5	L/F 54" R.C.P. 16-18' Depth	60.00	300.00
2	54x48" Tees	270.00	540,00
10	L/F 48" Dia. Manhole wall	22.00	220,00
2	std Manhole Castings F4I	65.00	130,00
2	48" Dia. x 1' Thick with 27" Cutout Manhole top Sections	50.00	100,00
	Estimated Cost of Construction		#19,648.00

Edina Storm Sewer

M E M O

Edina Storm Sewer, Morningside Area, Cost Estimates
May 8, 1967
Lawrence Molsather LRM.

We recently prepared a fifth alternate storm sewer system for the draining of the low area in Morningside along the west side of France Avenue and north of 42nd Street.

In our analysis it appeared that considerable difficulty will be encountered within the Minneapolis City limits due to interference with the existing facilities. Orr, Schelen, Mayeron & Associates prepared a plan to drain this area prior to our investigation. Their system, however, does not appear to be sufficiently low to benefit the Morningside Area.

John Dickson has succeeded in designing a storm sewer utilizing storage which will have capacity for a 100-year frequency storm and yet enter Minneapolis at the same flow line elevation as the pipe proposed by Orr, Schelen.

Edina has decided to let Orr, Schelen design the portion of the system within the city of Minneapolis between France Avenue at 40th Street and Lake Calhoun. They will be using 80 cfs for a discharge which John gave to Edina. We will then review the system that they come up with and discuss it with Edina at that time.

John Dickson received the following of breakdown of estimated cost from Don Loftness of Edina last week:

	Sewer in Edina	Sewer along France Ave.	Sewer in Mpls.	Total Cost.
Village of Edina Alt. #5	$239,190.00	$19,648.00	$186,260.00	$445,098.00
Orr-Schelen System	$176,255.00	$24,555.00	$270,570.00	$471,380.00
		COST DIFFERENCE.		$ 26,282.00

Orr is the cheaper solution.

M E M O

Edina Storm Sewer, Morningside area
April 11, 1967
John D. Dickson

Don Loftness of Edina called wanting some additional information concerning discharges into Minneapolis and storage volumes in Edina. I gave him this information from the computation file. He then told me the cost of the various alternates. For Alternate #1, as we proposed, the cost would be $409,000. For Alternate #2, $368,000, and for Alternate #3, $849,000. For Alternate #4, $537,000. All of these costs include the trunk system through Edina and either over sizing or running new pipe to Lake Calhoun

He also indicated that they had determined from O'Seliens report that the cost of the over sizing through Minneapolis that would be contributed to St. Louis Park and Edina would be $301,000. This cost would not include the trunk system within Edina which would raise this cost tremendously. Therefore, it appears that alternate #1 or #2 would be considerably cheaper than that recommended in Orr-Scheleen report.

March 22, 1967

Mr. Bill Ridge
Minneapolis Sewer Dept.
City of Minneapolis
Minneapolis, Minnesota

Re: Morningside Area Storm Sewer System

Mr. Ridge:

The Village of Edina retained Barr Engineering Company to review the various proposals previously submitted with respect to the Morningside Area Storm Sewer System and to consider the feasibility of a number of alternate possibilities. Their report was prepared by Mr. John Dickson and submitted to the Village on March 16, 1967. A copy of Mr. Dickson's letter along with its accompanying plans and profiles are enclosed.

The Edina Engineering Department is now preparing cost estimates for each of the various alternates suggested by Mr. Dickson. It is our intent to have these estimates completed by April 3rd. You will be furnished with a copy of these estimates as soon as they are available. I hope to make a report to the Edina Council at its meeting on April 17. I would, therefore, suggest that there be a meeting between all parties involved sometime during the week of April 10 through 14. Either I or Tom Andre will be in touch with you shortly to arrange a specific date and time.

Please note that the alternates considered by Mr. Dickson involve the use of part of the Minneapolis Water Department property as a permanent water storage basin. We have not discussed this possibility with the Minneapolis Water Department, but we have reviewed some of their earlier preliminary plans for this property which indicated that they did not then intend to use the portion of the property encompassed by the storage pond. I would

If your Engineering Department needs any additional information about this project before our April meeting, please have them contact Mr. Ray Burke, Edina Village Engineer.

Thank you.

George C. Hite
Director of Public Works and Engineering

GCHlerh
Encl.

March 21, 1967

Mr. Raymond B. Drake
Village Engineer
Village of Edina
4801 West 50th Street
Edina, Minnesota 55424

Dear Mr. Drake:

Enclosed are two copies of each of the drawings for the storm sewer in the Morningside area of Edina.

Yours truly,

John D. Dickens

JDD:db
Encl.

March 16, 1967

Mr. Raymond B. Drake
Village Engineer
Village of Edina
4801 West 50th Street
Edina, Minnesota 55424

Re: Storm Sewer Morningside Area-Edina

Dear Mr. Drake:

At your request, we have computed alternate methods of handling the storm water for the above referenced area using various combinations of storage, and also without storage. The storm sewers were sized using a storm of a ten-year frequency of occurence. The flood levels at the storage sites were also determined for storms of 5, 10, 25, 50, and 100-year frequency of occurence.

The drainage areas used in this study are almost the same as shown in the report submitted by Orr-Schelen-Mayeron & Associates, Inc., dated November 1966. The only revision in the drainage boundary was in the vicinity of 44th Street at France Avenue in Edina. This revision was based on your instructions during our meeting of February 17, 1967.

In accordance with your instructions we did not attempt to evaluate any of the existing or proposed storm sewers, other than those shown on the plans of the four alternate systems, with one exception. We did evaluate the existing outlet from the pond located in Browndale Park. For any of the Alternates outlined in this letter to work as proposed, this outlet should be revised by placing an additional control in the manhole located on the Morningside Road just east of Quentin Avenue. This control should restrict the outflow from this area to a maximum discharge of 5 cfs.

Following is a brief description of the four alternates.

Alternate Number 1:

This alternate consists of a storage site located northwest of the intersection of 42nd Street and France Avenue. This pond would have a normal water level at elevation 861. There should be side slopes of approximately

4 feet horizontal to 1 foot vertical. The depth of the pond should be at least four feet.

We have attached two small sketches to this letter. One of these sketches shows the approximate boundry of the pond as well as the proposed flood limits for storms of various frequencies. The other sketch shows the boring log of a test hole that was made at this site. Because of the sand and gravel at this site, if a pond is constructed consideration should be given to either sealing the bottom or providing a well to maintain the water level.

In addition to the pond, we have shown an outlet going south from the pond, then east along 42nd Street to Chowan Avenue where it would connect into a storm sewer proposed by the City of Minneapolis. With this particular alternate it would be necessary to increase the size of this storm sewer all the way to Lake Calhoun. We have also shown two major storm sewers feeding into the pond. The one storm sewer will collect the water flowing from the west at 39th Street and France Avenue. The other storm sewer will collect the water at Lynn Avenue and 41st Street.

The required outlet capacity into Minneapolis for this alternate was calculated to be 65 cfs.

Sheet five of the attached drawings shows the profiles of the storm sewers proposed in this alternate.

Alternate Number 2:

Alternate number 2 is similar to alternate number 1 except in addition to the pond located northwest of the intersection of 42nd Street and France Avenue, an inundation area is proposed between 42nd and 41st Streets and between Lynn Avenue and Kipling Avenue. The pond located northwest of 42nd and France would essentially operate the same as under Alternate number 1 for the various frequencies.

We did not include an enlarged sketch of the inundation area with this letter as we did for the larger storage site but we did calculate the flood levels for storms of various frequencies. For a one-year frequency storm, no runoff would be diverted into the inundation area. For a five-year frequency storm, the water depth in the site would be two feet, or at elevation 866. For a ten-year frequency storm, there would be 3½ feet of water in this area which would be at elevation 867.5. The 50-year storm would place 6 feet of water in this storage site which would be at elevation 870. The 100-year storm would raise the water level to elevation 871 or equal to a depth of 7 feet. With the large outlet proposed for this inundation area, all the water

from a 100-year storm would be removed from this site within three hours after the storm.

The storm sewer along 41st Street would be sufficiently low to enable sub-drainage of the inundation area if it is necessary in order to make this area into a useful recreational site.

All other features of this alternate are the same as on the Alternate 1, except many of the storm sewers are considerably smaller. In addition, to the smaller storm sewer outlet required by this alternate, it does not appear that it would be necessary to oversize the proposed Minneapolis system after it reaches the intersection of 41st Street and York Avenue. The outlet capacity into Minneapolis for this system would be 22 cfs.

Sheet 6 shows the profiles of the storm sewers proposed by this Alternate.

Alternate Number 3:

The layout of the storm sewer system in Alternate number 3 is the same as shown in the report prepared by Orr-Schelen-Mayeron & Associates, Inc., However, in order to make a fair cost evaluation of the various alternates, this system was sized on the same basis as the other three alternates. As can be seen, in looking at the storm sewer sizes proposed, these storm sewers are considerably larger than set forth in the previous mentioned report. A good share of this increase is due to the frequency of storm used in the design.

Sheet 7 of the attached plans shows the profiles for the storm sewers proposed by this alternate.

Alternate Number 4:

This alternate is almost the same as Alternate number 1. The main difference being that the outlet for the pond is this alternate follows the same route as the outlet in alternate number 3. The area draining directly to this outlet storm sewer would not flow to the storage site but would be carried by this outlet directly to Lake Calhourn. Therefore, it was possible to reduce the capacity of the outlet of the pond and still maintain the same flood levels at the pond. This alternate requires an outlet capacity at the pond of 50 cfs. Naturally, to fully evaluate the costs of alternates 3 and 4 in comparison to alternates 1 and 2, it will be necessary to extend these outlets to Lake Calhoun.

Sheet 8 shows the profiles of the storm sewers set forth under this alternate.

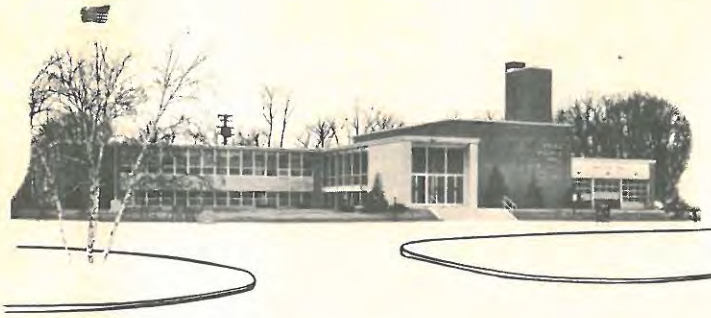
If you have any questions concerning any of the information set forth in this letter or want a more detailed description of any or all of the alternates, please contact us.

Yours truly,

John D. Dickson

JDD:dh

See Dwgs No 27-140 003
↓
27-140 001



Village of Edina
4801 WEST FIFTIETH STREET • EDINA, MINNESOTA 55424
927-8861

February 23, 1967

Mr. John D. Dickson
Barr Engineering Co.
440 Roanoke Building
Minneapolis, Minnesota 55402

Re: Morningside Area Storm Sewer Design

Mr. Dickson:

This letter is to serve as confirmation of my recent verbal authorization for your firm to provide engineering services in connection with the design of the Morningside Area storm sewer system.

Your services are to include the preparation of a preliminary design for a trunk storm sewer system extending from Monterey Avenue easterly to its connection to the Minneapolis system. This trunk system is to accommodate all of the storm water flow originating within the watershed. The design will incorporate a permanent storm water storage facility in the general vicinity of West 41st Street and Scott Terrace extended with the intent that the "during storm" flow requirement in the Minneapolis system will be reduced to an absolute minimum. An alternate design incorporating some temporary storm water storage in the area near West 41st Street and Lynn, in addition to the permanent storage provided in the basic design, shall also be provided.

Your design report shall designate the location, size and elevation of all required pipe system plus the elevations and acre foot storage requirments of all ponding areas. You are to also designate the extent to which the current design of the Minneapolis storm sewer system will need to be modified to accommodate the flow from our area. Design flow rates will be provided in support of the recommended pipe design.

You are also asked to determine what, if any, changes your design flows would necessitate in the no storage design recently recommended by Orr-Schelen-Mayeron & Associates, Inc. in their report dated November 1966. The Village of Edina Engineering Department will utilize your data to determine construction quantities and total project cost estimates.

Your design report is to be submitted to the Village by no later than March 13, 1967.

Fees for the performance of all services outlined above shall be charged on the basis of your current hourly rate schedule. Expenses directly connected with the project shall be billed at cost, including identifiable materials, services or supplies used in reproduction of reports, drawings, specifications or field work. The total amount of all fees and expenses shall not exceed $1500.

George C. Hite
Director of Public Works and Engineering

GCH:rh
cc: Ray Drake

Edina Storm Sewer

EDINA FLOOD ZONE located in the Morningside area features for to five foot deep lakes of water throughout the summer with floods after each storm. The large building is Morningside Elememtary School.

Edina Reaffirms 'Go Slow' On St. Louis Park School

"I think they feel that school is going to be there come hell or high water--and it's going to be high water," Edina Councilman Wayne Courtney assessed the fight over St. Louis Park's plans for construction of the Susan Lindgren Elementary School.

The new school, which the St. Louis Park School Board hopes to open in the fall of 1968, is scheduled for construction on a site adjacent to Edina's Morningside area. Two acres of the 7.4 acre school site which are slated to become a part of the school playground actually is located within Edina.

Flooded Yards

Residents of the Morningside area point to their already flooded backyards and state the school will only compound an already bad situation.

Two studies have been completed in past years with recommendations for solution of the water problem, but no permanent solution has been actually undertaken yet. The drainage problem is complicated by the fact that Edina, St. Louis Park and Minneapolis are all involved in the area.

"I know people in this area aren't very happy about it and they've never received anything but the politeness of the board's listening to them," Courtney said.

"This is why Morningside joined Edina," Daniel Smith, 4024 Grimes, stated.

George Hite, director of public works, told the Edina council, "I don't think there's any question about the need for a sewer. The school district has agreed not to put the Edina portion of their property under construction until the sewer is installed."

$380,000 Project

Hite said the sewer would cost an estimated $380,000 to rid the 277 acre area of its drainage problem. The cost of the sewer and other required improvements would run $3,000 per lot, he said.

"I am not against schools, but we have a water problem there that' s abominable and we should not consider putting a school there until this problem is solved," Courtney stated.

"This is a three-story building, the most expensive type of school possible. It will require $100,000 worth of pilings to support it. If they are spending this kind of money already all we ask is that you attempt to encourage them to hold back," James Lushine, 4166 Monterey Ave., told the council.

Petitions

Lushine presented a petition signed by 400 persons asking that the school construction be delayed until the water problem is solved.

Minneapolis is going ahead with plans to improve its sewers in the area, Hite said. "We will have to decide what we are going to do and be prepared for a hearing in 60 days," he said.

The council ordered the village staff to outline a plan with suggested financing within the next 60 days. Edina will also ask the St. Louis Park School Board for the second time to delay their construction plans until the sewer is installed.

"They should be concerned about damaging the property of their neighbors," Mayor Arthur Bredesen said.