

DOWNERS GROVE SANITARY DISTRICT  
GENERAL MANAGER'S REPORT  
April 12, 2019

April Board Meeting

Copies of the following items are enclosed for the Monday, April 15, 2019 meeting:

- 1) Proposed Agenda
- 2) Minutes of the March 19, 2019 regular meeting
- 3) Minutes of the March 19, 2019 executive session *confidential under separate cover*
- 4) Claim Ordinance 1876
- 5) Memo regarding Group Coverage Renewal
- 6) Memo regarding the 2019 Annual Newsletter
- 7) Memo regarding the 2019 Unsewered Area Plan Update
- 8) Memos regarding Refund Resolutions for Special Assessment 54, 55, 56 and 57
- 9) Memo regarding General Manager Compensation for FY 19-20
- 10) Memo regarding Assistant General Manager Interview *confidential under separate cover*

BOLI Meeting

There is no BOLI meeting scheduled for April.

Operations Reports

Copies of the following are enclosed for March operations:

- 1) Progress Report from Clay on Administrative Services activities.
- 2) The WWTC Operations Report from Marc.
- 3) The WWTC/Lift Station Maintenance Report from Jeff.
- 4) Progress Report from Bob on Collection System Maintenance activities.
- 5) Progress Report from Ted on Collection System Construction activities.
- 6) Progress Report from Reese on Laboratory activities.

Infiltration/Inflow Removal Work

Inspection efforts on private property under the I/I program with the intention of conducting I/I removal is ongoing in the 1-K-028 (Cass and Burlington, WT) area. A map showing progress for this area is included here, as well as a status summary sheet.

Flow metering continues, including meters in the 1-M-050 (55<sup>th</sup> and Victor, DG) vicinity to evaluate post-rehabilitation and I/I reduction performance.

Financial

A copy of the Investment Schedule as of March 31, 2019 is enclosed.

The Treasurer's Report for March, 2019 covering the first eleven months of FY 18-19 is included here, along with a summary cover memo.

## Meetings

I attended the following meetings since the March 15, 2019 General Manager's report:

- March 21 attended CSWEA/IAWA Collection System Committee Meeting in Downers Grove. Bob also attended.
- March 26-28 attended CSWEA Government Affairs Seminar and IAWA Mini-conference in Springfield, IL.
- April 10 attended Illinois Association of Environmental Professionals seminar on IEPA Priorities under the Pritzker Administration, in Des Plaines, IL.
- April 11-12 visited Grand Rapids Michigan Wastewater Treatment Plant to observe sludge thickening equipment operation in preparation for project design. Jeff and Marc also attended.
- April 13 scheduled to give tour of WWTC for College of DuPage environmental sciences class.

## Miscellaneous

I am planning to be on vacation during late May and expect to miss the May 2019 regular meeting.

Copies of the following items are enclosed:

- 1) General Manager's Reports to Employees dated March 29 and April 12, 2019.

cc: WDVB, AES, PWC, BOLI, TTC, WCC, MGP

**DOWNERS GROVE SANITARY DISTRICT  
BOARD OF TRUSTEES MEETING  
APRIL 15, 2019 – 7:00 PM**

**PROPOSED AGENDA**

- I. APPROVAL OF MEETING MINUTES
  - A. REGULAR MEETING – MARCH 19, 2019
  - B. EXECUTIVE SESSION – MARCH 19, 2019
- II. APPROVAL OF CLAIM ORDINANCE NO. 1876
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
  - A. INSURANCE – EMPLOYEE GROUP COVERAGE
  - B. ANNUAL NEWSLETTER REVIEW
  - C. UNSEWERED AREA PLAN UPDATE
  - D. SPECIAL ASSESSMENT REBATE RESOLUTIONS
    - 1. RESOLUTION NO. 19-02 SPECIAL ASSESSMENT 54
    - 2. RESOLUTION NO. 19-03 SPECIAL ASSESSMENT 55
    - 3. RESOLUTION NO. 19-04 SPECIAL ASSESSMENT 56
    - 4. RESOLUTION NO. 19-05 SPECIAL ASSESSMENT 57
  - E. GENERAL MANAGER COMPENSATION FOR FY 19-20
- VI. EXECUTIVE SESSION - PERSONNEL

## MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, March 19, 2019, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were President Wallace D. Van Buren, Trustee Amy E. Sejnost, Trustee Paul W. Coultrap, General Manager Nicholas J. Menninga, Administrative Supervisor W. Clay Campbell, Sewer Construction Supervisor Ted T. Cherwak, Inspector Keith W. Shaffner, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp. Mitch Backes of Corkill Insurance Co. also attended.

### Minutes of Regular Meeting – February 12, 2019

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on February 12, 2019 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

### Claim Ordinance No. 1875

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Claim Ordinance No. 1875 in the total amount of \$584,409.64 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

### Public Comment – None

### Old Business – None

### New Business:

#### Insurance Renewals for FY 19-20

Administrative Supervisor Campbell reviewed the proposal for renewal of the District's property and liability coverages effective April 14 (along with the District's Tank Storage Pollution Liability coverage effective April 7). The proposal included Property, General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime, Tank Storage Pollution Liability, Cyber-Liability and Workers Compensation. Staff's recommendation is to renew the Property, General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime and Workers Compensation lines of coverage with Selective Insurance Group, Inc. The Property policy with Selective includes Equipment Breakdown coverage through Inland Marine. Staff also recommended to renew the existing Cyber-Liability coverage through Travelers and the existing Tank Storage Pollution Liability coverage through Crum & Forster. Mitch Backes of Corkill Insurance, the District's broker, provided some insight on the rising cost of the Tank Storage Pollution Liability policy due to industry trends and the age of the District's diesel storage tank at the WWTC. By making these changes, total annual premiums are proposed at \$182,066. A motion was made by Trustee Coultrap seconded by Trustee Sejnost authorizing the Administrative Supervisor to renew the District's insurance coverages as presented in his March 14, 2019 memo. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)



## Five Year Financial Plan and Budget Approval – FY 2019-20

The Five Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 13 following a public notice of availability. A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the Five Year Financial Plan for Fiscal Years 2019-20 to 2023-24 which includes the budget for Fiscal Year 2019-20. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

## Adopt Appropriation Ordinance for Fiscal Year 2019-20

The Fiscal Year 2019-20 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 13 following a public notice of availability. The Ordinance establishes the spending limits for the year including operation and maintenance and capital improvements for all areas of District operations. A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting the Fiscal Year 2019-20 Appropriation Ordinance and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

## Adopt Ordinance Amending Fees

General Manager Menninga presented Ordinance No. ORD 19-01. This ordinance increases various District fees and charges to the following amounts:

- a) Permit inspection fees - \$216 per building sanitary service for single family class or \$357 per building sanitary service (or \$206 per building sanitary service if no work on building sanitary service is required) for all other classes.
- b) Tap-in fee - \$912 per population equivalent (P.E.).
- c) Trunk sewer service charges - \$423 per P.E.
- d) Lateral sewer charge - \$11,760 per building drain to near side property and \$8,519 per building drain to far side property.
- e) Sewer construction inspection fee - \$68 per hour straight time and \$102 per hour overtime.
- f) Basic user rate - \$1.70 per 1000 gallons of water (or \$40.80 per quarter for all non-metered single family residential users).
- g) Monthly service fee - \$17.00 per month.
- h) Sampling and monitoring charge – This charge will vary from \$5.56 per month to \$123.51 per month depending on the type of user.

A motion was made by Trustee Coultrap seconded by Trustee Sejnost adopting Ordinance No. ORD 19-01 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

## Annexation Ordinance AO 2019-01 – 6400 Carpenter, Downers Grove

Inspector Shaffner presented Annexation Ordinance No. AO 2019-01 for the annexation of one lot located at 6400 Carpenter, Downers Grove. A motion was made by Trustee Coultrap seconded by Trustee Sejnost accepting the Petition for Annexation, adopting Annexation Ordinance No. AO 2019-01 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

## Operations Report – Financial Reporting and Auditing

Administrative Supervisor Campbell presented a report on the District's current financial reporting and auditing processes along with a highlight of additional supplemental auditing work performed by the District's auditors in recent years.

### Other New Business

Trustee Van Buren inquired about the recent student tours and SCARCE tour hosted at the wastewater treatment center. He also congratulated Dwayne Carpenter on his 15 years of service and Jeff Barta on his 35 years of service to the District. He inquired about the recent performance of the CHP engine, collection system during recent storm events and the status of an anticipated sag repair by Uno Construction for work performed on the Westmont Alley project.

Trustee Sejnost congratulated Irene Taylor on her upcoming retirement. She also congratulated Dwayne Carpenter on his 15 years of service and Jeff Barta on his 35 years of service with the District. She inquired about the recent educational tours hosted at the wastewater treatment center, the new online BSSRAP application and the performance of the CHP engine. She also commented on the new Rexnord contact noted in Reese's report. She inquired about the tour and filming of the wastewater treatment center with PBS NewsHour, the upcoming DuPage County River Sweep and participation in the recent employee CPR and AED Training.

Trustee Coultrap congratulated Irene Taylor on her upcoming retirement. He inquired about the upcoming DuPage County River Sweep. He also congratulated Dwayne Carpenter on his 15 years of service and Jeff Barta on his 35 years of service with the District. He welcomed back Information Coordinator Caballero, and thanked Inspector Shaffner and Sewer Construction Supervisor Cherwak for their reports. Lastly, Trustee Coultrap noted the anticipated slight decrease in the District's medical insurance premiums from BlueCross BlueShield of Illinois for the District's employees.

A motion was made by Trustee Sejnost seconded by Trustee Coultrap to recess the regular meeting and convene an executive session at 7:59 p.m. under exception 2(c)1 of the Open Meetings Act to discuss the compensation and performance of specific employees of the District. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Coultrap.)

A motion was made by Trustee Kovacevic seconded by Trustee Coultrap to reconvene the regular meeting at 8:12 p.m. The motion carried. (Votes recorded: Ayes- Van Buren, Sejnost and Coultrap.)

A motion was made by Trustee Coultrap seconded by Trustee Sejnost to adjourn the regular meeting at 8:13 p.m. The motion carried.

Approved: April 15, 2019

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President

Attest: \_\_\_\_\_  
Clerk

This attachment has been removed for its contents are currently confidential.

Downers Grove, Illinois

Date: April 16, 2019

Claim Ordinance No. 1876

An Ordinance Providing for the Payment of Certain Claims.

WHEREAS, it appears to the Board of Trustees of the Downers Grove Sanitary District that there are certain claims against said District which would be allowed and paid therefore,

BE IT ORDAINED, by the Board of Trustees of the Downers Grove Sanitary District

That the following claims be and they are hereby approved and ordered paid and that an order be drawn on the Treasurer of said District out of the funds shown below. Said claims, totaling **\$642,597.70** being in words and figures as follows:

## GENERAL LEDGER RECAP

DATE 02/14/19 PERIOD END 02/09/19 PAGE 5

Payroll Ending Date: 02/09/19  
Payroll Paid Date: 02/15/19  
GL Date: 03/31/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		53836.19-
01-00.2000	FEDERAL TAX WITHHELD		9267.44-
01-00.2001	STATE TAX WITHHELD		3823.85-
01-00.2002	SOCIAL SECURITY WITHHELD		6203.59-
01-00.2003	IMRF WITHHELD		3567.32-
01-00.2012	WAGE DEDUCTION ORDER		627.23-
01-00.2013	CREDIT UNION WITHHELD		1061.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1996.96-
01-00.2017	VOLUNTARY GROUP LIFE		256.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		345.50-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		36.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1040.70-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		342.45-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		110.51-
01-11.A003	GENERAL MANAGEMENT	1779.25	
01-11.A004	FINANCIAL RECORDS	7438.43	
01-11.A005	ADMINISTRATIVE RECORDS	1719.29	
01-11.A007	CODE ENFORCEMENT	6812.85	
01-12.A011	MAINTENANCE - WWTC	12484.57	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	1995.43	
01-12.A014	MAINTENANCE - ELECTRICAL	4535.58	
01-12.A021	WWTC - OPERATIONS	14077.02	
01-12.A022	WWTC - SLUDGE HANDLING	2061.10	
01-12.A023	WWTC - ENERGY RECOVERY	1354.23	
01-12.A030	BUILDING AND GROUNDS	4221.87	
01-13.A041	LAB - WWTC	5127.39	
01-13.A048	LAB - ENERGY RECOVERY	146.94	
01-14.A051	SEWER MAINTENANCE	6653.07	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	612.15	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1620.68	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	278.85	
01-14.A064	INSPECTION - MISCELLANEOUS	5960.48	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1342.15	
01-14.A066	INSPECTION - CODE ENFORCEMENT	534.28	
01-14.A072	SEWER INVESTIGATIONS	221.06	
01-15.A030	BUILDING AND GROUNDS	121.99	
01-15.A080	LIFT STATION MAINTENANCE	1416.39	
		82515.05	82515.05-

## GENERAL LEDGER RECAP

DATE 03/19/19 PERIOD END 03/15/19 PAGE 4

Payroll Ending Date: 03/15/19  
Payroll Paid Date: 03/19/19  
GL Date: 04/30/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		19183.18-
01-00.2000	FEDERAL TAX WITHHELD		3009.60-
01-00.2001	STATE TAX WITHHELD		1383.27-
01-00.2002	SOCIAL SECURITY WITHHELD		2411.02-
01-00.2003	IMRF WITHHELD		1418.26-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1637.73-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		100.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		359.89-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		198.03-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1000.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	8035.61	
01-11.A004	FINANCIAL RECORDS	463.46	
01-11.A005	ADMINISTRATIVE RECORDS	380.75	
01-11.A007	CODE ENFORCEMENT	9018.77	
01-11.A030	BUILDING AND GROUNDS	50.43	
01-12.A009	OPERATIONS MANAGEMENT	4419.06	
01-12.A011	MAINTENANCE - WWTC	2685.94	
01-12.A014	MAINTENANCE - ELECTRICAL	101.37	
01-12.A021	WWTC - OPERATIONS	1147.87	
01-12.A023	WWTC - ENERGY RECOVERY	263.14	
01-12.A030	BUILDING AND GROUNDS	1621.85	
01-13.A009	OPERATIONS MANAGEMENT	3606.77	
01-13.A042	LAB - PRETREATMENT	83.02	
		31878.04	31878.04-

## GENERAL LEDGER RECAP

DATE 03/27/19

PERIOD END 03/23/19

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Payroll Ending Date: 03/23/19

Payroll Paid Date: 03/29/19

GL Date: 04/30/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		45572.34-
01-00.2000	FEDERAL TAX WITHHELD		7614.77-
01-00.2001	STATE TAX WITHHELD		3196.06-
01-00.2002	SOCIAL SECURITY WITHHELD		5217.47-
01-00.2003	IMRF WITHHELD		3184.46-
01-00.2013	CREDIT UNION WITHHELD		1061.31-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1927.84-
01-00.2017	VOLUNTARY GROUP LIFE		32.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		345.50-
01-00.2022	FLEXIBLE ACCOUNT WITHHELD - DEPENDENT CARE		36.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		959.85-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		285.40-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		110.51-
01-11.A003	GENERAL MANAGEMENT	673.64	
01-11.A004	FINANCIAL RECORDS	7082.76	
01-11.A005	ADMINISTRATIVE RECORDS	2165.20	
01-11.A007	CODE ENFORCEMENT	6915.20	
01-11.A030	BUILDING AND GROUNDS	397.90	
01-12.A009	OPERATIONS MANAGEMENT	341.25	
01-12.A011	MAINTENANCE - WWTC	14387.09	
01-12.A012	MAINTENANCE - VEHICLES	30.18	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	90.54	
01-12.A014	MAINTENANCE - ELECTRICAL	1368.96	
01-12.A021	WWTC - OPERATIONS	12929.61	
01-12.A022	WWTC - SLUDGE HANDLING	2783.12	
01-12.A023	WWTC - ENERGY RECOVERY	378.47	
01-12.A030	BUILDING AND GROUNDS	604.78	
01-13.A041	LAB - WWTC	4865.55	
01-13.A048	LAB - ENERGY RECOVERY	174.01	
01-14.A051	SEWER MAINTENANCE	5459.44	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	968.78	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1682.26	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	245.48	
01-14.A064	INSPECTION - MISCELLANEOUS	1023.98	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	2583.90	
01-14.A066	INSPECTION - CODE ENFORCEMENT	217.01	
01-15.A030	BUILDING AND GROUNDS	236.56	
01-15.A080	LIFT STATION MAINTENANCE	1937.84	
		69543.51	69543.51-

## GENERAL LEDGER RECAP

DATE 04/01/19

PERIOD END 03/31/19

PAGE 4

Payroll Ending Date: 03/31/19

Payroll Paid Date: 04/02/19

GL Date: 04/30/19

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		19056.85-
01-00.2000	FEDERAL TAX WITHHELD		3011.67-
01-00.2001	STATE TAX WITHHELD		1383.42-
01-00.2002	SOCIAL SECURITY WITHHELD		2411.24-
01-00.2003	IMRF WITHHELD		1418.39-
01-00.2013	CREDIT UNION WITHHELD		800.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1681.49-
01-00.2017	VOLUNTARY GROUP LIFE		80.00-
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC		300.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		100.00-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		359.89-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		198.03-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		1000.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	9669.47	
01-11.A004	FINANCIAL RECORDS	212.38	
01-11.A005	ADMINISTRATIVE RECORDS	47.14	
01-11.A007	CODE ENFORCEMENT	8810.89	
01-11.A008	SAFETY ACTIVITIES	11.67	
01-11.A030	BUILDING AND GROUNDS	138.42	
01-12.A009	OPERATIONS MANAGEMENT	4105.39	
01-12.A011	MAINTENANCE - WWTC	3019.36	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	82.84	
01-12.A014	MAINTENANCE - ELECTRICAL	304.61	
01-12.A021	WWTC - OPERATIONS	1183.33	
01-12.A023	WWTC - ENERGY RECOVERY	48.58	
01-12.A030	BUILDING AND GROUNDS	498.60	
01-13.A009	OPERATIONS MANAGEMENT	3413.92	
01-13.A042	LAB - PRETREATMENT	275.87	
01-15.A080	LIFT STATION MAINTENANCE	55.57	
		31878.04	31878.04-



===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
ACE HARDWARE	A000095	03/19/19	331436-3	01-12.B116	MSB Supplies	2.99		
		03/21/19	331448-3	01-12.B116	MSB Supplies	8.59		
		03/22/19	331459-3	01-12.B116	MSB Supplies	14.95	26.53	061445
ADVOCATE OCCUPATIONAL HEALTH	A000150	03/29/19	726931	01-11.B117	Drug Screening	62.00		
		03/29/19	726931	01-14.B117	Drug Screening	27.00	89.00	061446
ADVANCED DISPOSAL	A000153	03/31/19	T8009072	01-12.B102	Garbage & Recycle Pick Up	285.88	285.88	061447
ALLIED WASTE SERVICE	A000255	03/15/19	551014375041	01-12.B102	Grit Scrn Dmpstr PU & Rnt	694.55	694.55	061448
ALTORFER INDUSTRIES, INC.	A000292	04/03/19	P60C0232840	01-15.B522	College LS Coolant	165.64		
		04/03/19	P60C0232840	01-15.B529	LS General Block Heater	379.66		
		03/27/19	PM600280491	01-12.B513	Emergency Gen 3 PM	209.00		
		03/27/19	PM600280492	01-12.B513	Emergency Gen 2 PM	209.00		
		03/27/19	PM600280493	01-12.B513	Emergency Gen 1 PM	394.50		
		04/04/19	PM600280660	01-15.B520	Butterfield LS Engine Rep	4094.43	5452.23	101203
SYNCHB/AMAZON	A000295	04/02/19	436337597656	01-14.B115	SS Spot Light	293.46		
		03/25/19	469673957938	01-12.B116	MSB Supplies	27.96	321.42	061449
BAXTER & WOODMAN, INC.	B000120	03/22/19	0204980	01-14.B124	Flow Monitoring	225.25		
		03/22/19	0204981	01-14.B903	Outfall Sewer Sag Repair	4384.54		
		03/22/19	0204982	01-11.B124	Misc Engineering Services	3284.85		
		03/22/19	0204983	01-12.B508	WWTC WAS Thickener	2922.50		
		03/22/19	0204984	01-14.B903	Warren Ave Sewer Rehab	3682.50	14499.64	101204
BIOTEK CORPORATION	B000220	03/15/19	70730	01-12.B116	Bioscrub	207.67	207.67	061450
BLACKSTONE LABORATORIES	B000253	03/29/19	105093	01-12.B513	CHP Oil Sample	53.00	53.00	061451
BRUCKER COMPANY	B000400	03/14/19	141577	01-12.B509	Belt Press Belt Drive VFD	315.00	315.00	061452
CDW GOVERNMENT, INC.	C000020	03/22/19	RPH2743	01-12.B513	UPS Replace Battery	397.60	397.60	101205
CALLONE	C000073	04/15/19	121446813981	01-11.B112	Admin Phone Service	536.12		
		04/15/19	121446813981	01-12.B112	WWTC Phone Service	301.33	837.45	061453
CINTAS #344	C000300	03/22/19	344150303	01-12.B117	WWTC Uniform Rental	32.80		
		03/22/19	344150303	01-14.B117	SS Uniform Rental	12.50		
		03/29/19	344153766	01-12.B117	WWTC Uniform Rental	32.80		
		03/29/19	344153766	01-14.B117	SS Uniform Rental	12.18		
		04/05/19	344157279	01-12.B117	WWTC Uniform Rental	36.83		
		04/05/19	344157279	01-14.B117	SS Uniform Rental	12.18		
		04/12/19	344160743	01-12.B117	WWTC Uniform Rental	57.80		
		04/12/19	344160743	01-14.B117	SS Uniform Rental	12.18	209.27	061454
CINTAS FIRST AID & SAFETY	C000320	03/18/19	5013252658	01-11.B116	Admin First Aid Supplies	78.48		
		03/18/19	5013252658	01-12.B113	WWTC First Aid Supplies	198.68		
		04/12/19	5013513924	01-11.B116	Admin First Aid Supplies	105.21		
		04/12/19	5013513924	01-12.B113	WWTC First Aid Supplies	188.90	571.27	061455
COAST TO COAST	C000337	03/01/19	A1947228	01-11.B116	Toners	196.00	196.00	061456
COLLEY ELEVATOR CO.	C000370	02/28/19	172623	01-12.B113	Elevator Tests & Fees	875.00		
		04/01/19	182753	01-12.B805	6 Month Elevator Inspect	741.00	1616.00	101206
COMCAST	C000373	04/03/19	1200550568	01-11.B112	Internet Service	146.85	146.85	061457
COMED	C000380	03/15/19	0055025057	01-15.B100	College LS Elec	311.64		
		03/15/19	0068029014	01-15.B100	Centex LS Elec	98.67		
		03/15/19	0120089072	01-15.B100	Wroble LS Elec	529.00		
		03/15/19	0458029046	01-15.B100	Liberty Park LS Elec	418.59		

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/22/19	0562080004	01-15.B100	Venard Elec	372.36		
		03/15/19	1095091170	01-15.B100	Northwest LS Elec	1039.87		
		03/15/19	1810068039	01-15.B100	Earlston LS Elec	276.95		
		03/15/19	3240038012	01-15.B100	Butterfield LS Elec	124.84		
		03/15/19	4657083017	01-15.B100	Hobson LS Elec	1670.92		
		03/26/19	6770572011	01-00.2005	BSSRAP Yard Elec Use	215.52		
		03/26/19	6770572011	01-12.B100	Walnut House Elec	75.95		
		03/26/19	8762083052	01-12.B100	Big Top Elec	70.16	5204.47	061458
CONCENTRIC INTEGRATION, LLC	C000410	04/11/19	0205236	01-11.B115	PC's & Memory Upgrades	5573.40	5573.40	101207
CORE & MAIN LP	C000485	03/18/19	K276953	01-14.B913	SS Parts for Stock	112.60	112.60	061459
JOHN CRANE INC.	C000560	04/03/19	3606562	01-12.B810	Sludge Pumps 2 & 6 Parts	1262.85	1262.85	061460
CURTIS MARTIN GROUP, INC.	C000660	03/23/19	7016	01-11.B115	Billing Program Fix	300.00		
		03/30/19	7025	01-11.B115	Billing Program Fix	480.00		
		04/12/19	7037	01-11.B115	Prepaid Programming Time	6000.00	6780.00	101208
DORNER VALVES & AUTOMATION	D000315	03/26/19	147252-IN	01-12.B506	Primary 5 Sludge Valve	1044.57	1044.57	061461
VILLAGE OF DOWNERS GROVE	D000480	03/15/19	148317	01-11.C222	Admin Vehicle Fuel	34.86		
		03/15/19	148317	01-12.B104	Generator Fuel	8404.59		
		03/15/19	148317	01-12.B812	Gas Can Fuel	1.90		
		03/15/19	148317	01-12.C222	WWTC Vehicle Fuel	832.17		
		03/15/19	148317	01-13.C222	Lab Vehicle Fuel	25.84		
		03/15/19	148317	01-14.C222	SS Vehicle Fuel	914.05		
		03/15/19	148401	01-11.B121	Meter Readings	413.32		
		03/20/19	148469	01-12.B113	Elevator Inspections	138.00		
		04/02/19	148593	01-11.B121	Water Shut Off's	634.02	11398.75	061462
DRYDON EQUIPMENT INC.	D000540	02/07/19	14119	01-12.B502	Bisulfite Pump Repair	1614.93	1614.93	101209
DUPAGE COUNTY RECORDER	D000620	03/18/19	40021944	01-11.B124	SS Construction Docs	176.00		
		03/18/19	40021944	01-14.B901	I/I Docs	44.00		
		03/18/19	40021944	01-14.B910	BSSRAP Docs	308.00	528.00	061463
EJ EQUIPMENT, INC.	E000030	03/19/19	P16760	01-14.B115	Vac-Con Rear Door Shield	369.83		
		03/30/19	W01672	01-14.B115	Vac-Con Service	443.47		
		03/30/19	W01673	01-12.B501	Dump Truck Maintenance	857.76		
		04/05/19	W01682	01-12.B501	Biosolids Dump Truck Serv	554.83		
		04/10/19	W01705	01-14.B115	Vac-Con Repair	568.08	2793.97	061464
EVERCLEAN BY CHEM-DRY	E000360	03/23/19	20190065	01-11.B118	Admin Carpet Cleaning	498.00	498.00	101210
EYE MED VISION CARE	E000600	04/01/19	163843001	01-17.E455	Vision Insurance	437.45	437.45	061465
FASTENAL COMPANY	F000060	03/18/19	ILWES67239	01-12.B512	Grit Bldg Tunnel Piping	41.84		
		04/04/19	ILWES67795	01-12.B507	Secondary Clar 1 & 2 Part	25.46		
		04/08/19	ILWES67856	01-12.B116	MSB Supplies	3.53		
		04/08/19	ILWES67871	01-12.B507	Secondary Pump 5	60.56	131.39	101211
FIRST ADVANTAGE	F000130	03/31/19	2502311903	01-11.B117	Drug Screening	28.56		
		03/31/19	2502311903	01-14.B117	Drug Screening	42.29	70.85	061466
FIRST ENVIRONMENTAL LAB	F000140	03/20/19	146527	01-13.B123	March Sulfate	14.40		
		04/02/19	146809	01-13.B123	Semi-Annual Spring Sample	1425.60		
		04/02/19	146810	01-13.B123	Semi-Annual Spring Sample	711.60		
		04/04/19	146871	01-13.B123	Pretreat Cyanide	129.60	2281.20	101212
FOX VALLEY FIRE & SAFETY CO.	F000280	03/12/19	IN00249333	01-12.B113	Semi-Ann Fire Alarm Inspt	222.00	222.00	101213

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
REVERE ELECTRIC	G000410	03/26/19	S3827772.001	01-11.B115	Admin Bldg Electrical	163.87		
		03/26/19	S3827772.002	01-11.B115	Admin Bldg Electrical	124.00	287.87	061467
W. W. GRAINGER, INC.	G000520	04/03/19	7135227552	01-13.B117	See Sheet	178.20		
		03/19/19	9120030953	01-13.B115	See Sheet	44.37		
		03/20/19	9121340310	01-12.B513	See Sheet	156.83		
		03/21/19	9122359103	01-12.B512	See Sheet	15.81		
		03/26/19	9127395102	01-15.B526	See Sheet	189.60		
		03/27/19	9129091345	01-12.B116	See Sheet	123.00		
		03/28/19	9129961448	01-12.B116	See Sheet	123.00		
		03/28/19	9130063069	01-12.B507	See Sheet	98.60		
		04/01/19	9132686339	01-12.B116	See Sheet	119.76		
		04/02/19	9133374620	01-12.B507	See Sheet	43.20		
		04/02/19	9133446519	01-13.B114	See Sheet	119.19		
		04/03/19	9134715920	01-12.B116	See Sheet	7.05-		
		04/03/19	9135889575	01-12.B113	See Sheet	73.60		
		04/04/19	9136552933	01-12.B512	See Sheet	83.01		
		04/04/19	9136552941	01-13.B117	See Sheet	75.91-		
		04/04/19	913723336	01-13.B117	See Sheet	75.91		
		04/05/19	9137643624	01-12.B512	See Sheet	180.93		
		04/05/19	9138388666	01-12.B113	See Sheet	16.40		
		04/10/19	9142474155	01-12.B507	See Sheet	142.00		
		04/11/19	9142889915	01-12.B113	See Sheet	2800.15	4500.60	101214
HACH COMPANY	H000040	03/25/19	11394414	01-13.B116	Lab Supplies	146.67		
		03/26/19	11395527	01-13.B122	Lab Equipment Part	718.00		
		03/29/19	11402825	01-13.B115	Lab Equip 3 Year Serv Agr	15210.10	16074.77	101215
HARBOR FREIGHT TOOLS	H000060	04/01/19	878869	01-12.B116	Ops Supplies	87.91	87.91	061468
HOME DEPOT	H000400	04/03/19	0014183	01-12.B116	See Sheet	217.04		
		04/03/19	0574493	01-14.B115	See Sheet	60.11		
		04/02/19	1013006	01-12.B507	See Sheet	8.07		
		03/21/19	3023693	01-14.B116	See Sheet	40.91		
		04/09/19	4050422	01-14.B116	See Sheet	271.49		
		03/29/19	5013848	01-12.B116	See Sheet	121.48		
		04/08/19	5340274	01-12.B507	See Sheet	34.97		
		03/26/19	8013558	01-12.B116	See Sheet	100.16		
		03/25/19	9013429	01-12.B116	See Sheet	13.47		
		04/04/19	9020079	01-14.B116	See Sheet	17.62	885.32	061469
IAWA	I000100	04/02/19	4595	01-11.B117	NJM IAWA Mini-Conference	211.00	211.00	061470
IL ENV PROTECTION AGENCY	I000260	03/21/19	L17-3088-2	01-14.B929	Loan Repayment	90795.59	90795.59	101216
IMPACT NETWORKING INC.	I000400	03/21/19	1383598	01-11.B115	Copies	58.55	58.55	061471
INFOSEND, INC.	I000415	02/28/19	150024	01-11.B121	Customer Bill Mailings	3847.12		
		03/29/19	151380	01-11.B121	Customer Bill Mailings	3651.68	7498.80	101217
ISTHA	I000470	03/31/19	G1210003331	01-11.C225	Admin Vehicle Tolls	156.55		
		03/31/19	G1210003331	01-12.C225	WWTC Vehicle Tolls	31.65		
		03/31/19	G1210003331	01-13.C225	Lab Vehicle Tolls	49.47		
		03/31/19	G1210003331	01-14.C225	SS Vehicle Tolls	14.90	252.57	061494
JULIE, INC.	J000250	03/31/19	DGSD0A	01-14.B127	Julie	4058.95	4058.95	061472

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
KANSAS CITY LIFE INSURANCE CO	K000045	04/01/19	14887	01-17.E455	Life Insurance	396.75	396.75	101218
KIPP'S LAWNMOWER SALES	K000180	04/08/19	477074	01-12.B512	Tractor Parts	34.91	34.91	061473
KOMLINE-SANDERSON	K000230	03/25/19	42042441	01-12.B509	Belt Press Repair Parts	149.74	149.74	101219
LEE AUTO PARTS	L000150	04/09/19	470-141572	01-12.B116	Auto Parts	150.60	150.60	061474
KENNETH LOOKINGBILL	L000350	04/03/19	Reimburse	01-13.B117	Boot Reimbursement	34.26	34.26	061475
MBM SERVICES INC.	M000010	04/01/19	31300	01-11.B118	Admin Cleaning Services	350.00	350.00	101220
MARCOTT ENTERPRISES, INC.	M000115	03/26/19	18387	01-12.B509	Delivery of Sand	827.24	827.24	101221
MCMASTER-CARR SUPPLY COMPANY	M000360	03/25/19	90175736	01-12.B513	CHP 1 Part	27.28		
		04/04/19	91241093	01-12.B116	MSB Supplies	47.90	75.18	101222
NICK MENNINGA	M000450	03/29/19	Reimburse	01-11.B117	Travel Reimbursement	278.42	278.42	061476
MONROE TRUCK EQUIPMENT, INC.	M000649	04/04/19	325112	01-12.B501	Biosolids Dump Truck Part	826.50	826.50	061477
MOTION INDUSTRIES, INC.	M000750	03/16/19	IL10-656983	01-12.B505	Bar Screen 1 & 2 Part	199.47		
		03/23/19	IL10-657642	01-12.B509	Belt Prs Sldg Convey Prt	45.63	245.10	101223
MUNICIPAL MARKING	M000820	03/22/19	25917	01-14.B116	SS Marking Spray Paint	57.38	57.38	061478
NAPA AUTO PARTS	N000040	04/10/19	3266042019	01-00.2017	Voluntary Life Insurance	400.00		
		03/19/19	4343-596672	01-12.B116	Auto Parts	26.97	426.97	061479
NAPCO STEEL, INC.	N000050	04/02/19	427633	01-12.B507	Secondary Clar 5 Part	446.10		
		04/04/19	427693	01-12.B507	Secondary Clar 5 Part	119.65	565.75	101224
NATIONAL SAFETY COUNCIL	N000140	04/01/19	610561	01-11.B137	Annual Membership	425.00	425.00	061480
NEUCO, INC.	N000260	03/28/19	3665630	01-12.B510	Sludge Pump 2 Part	223.15		
		04/09/19	3677493	01-12.B507	Aeration Tank 5 Parts	282.24	505.39	101225
NICOR GAS	N000330	03/15/19	2833584	01-12.B101	Walnut House Gas	160.54		
		03/15/19	3892638	01-11.B101	Admin Center Gas	178.75		
		03/15/19	4440979	01-12.B101	Plant Gas	304.69		
		03/14/19	4664113	01-12.B101	Chem Feed Gas	243.79		
		03/15/19	4782107	01-12.B101	Plant 2 Gas	410.66	1298.43	061481
NISSEN ENERGY INC	N000350	04/09/19	154	01-12.B513	CHP 2 Antifreeze	1525.00		
		02/04/19	23568	01-12.B513	CHP 2 Parts	173.44	1698.44	101226
PACE ANALYTICAL	P000010	03/20/19	1940063601	01-13.B123	March NPDES	100.00	100.00	101227
PETTY CASH	P000350	04/12/19	Cash Box	01-11.B116	Greeting Cards	3.76		
		04/12/19	Cash Box	01-11.B117	Supervisor Lunch	66.49		
		04/12/19	Cash Box	01-11.B119	Postage Due	6.10		
		04/12/19	Cash Box	01-12.B116	Cleaning Supplies	21.60		
		04/12/19	Cash Box	01-14.C225	Parts for District Vehic	53.18	151.13	061482
PHENOVA	P000360	04/02/19	148295	01-13.B114	Lab Chemicals	783.88	783.88	101228
POLYDYNE INC.	P000395	04/02/19	1338627	01-12.B402	Belt Press Polymer	2142.54	2142.54	101229
PORTER PIPE AND SUPPLY CO.	P000420	03/21/19	11879217-00	01-12.B512	Tunnel Gas Piping	1948.62	1948.62	101230
PRINCIPAL LIFE INSURANCE CO	P000650	03/18/19	1093099	01-17.E455	Dental Insurance	2528.50	2528.50	101231
RAINBOW ELECTRIC CO.	R000070	04/04/19	MRINV8979	01-12.B811	Munters Unit Part	428.51	428.51	101232
RAPTOR TECH INC.	R000105	04/04/19	12255	01-12.B510	Dig Sludge Pumps Flanges	1020.00		
		04/12/19	12264	01-12.B513	CHP 2 Repair	108.00	1128.00	101233
RED WING SHOE STORE	R000180	03/13/19	45-1-65271	01-12.B117	JB Boots	200.00		
		03/26/19	45-1-65984	01-12.B117	NW Boots	199.74		
		04/03/19	45-1-66535	01-13.B117	KL Boots	165.74	565.48	101234
RODNEY HUNT INC.	R000364	04/10/19	RH2161	01-12.B507	Secondary Clar 6&7 Part	14151.00	14151.00	061495
ROYAL GRAPHICS	R000500	04/02/19	95735	01-11.B120	Envelopes	145.00	145.00	061483

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
SEAWAY SUPPLY CO.	S000200	03/25/19	142595	01-14.B116	SS Supplies	98.00		
		03/15/19	142816	01-12.B116	MSB Supplies	37.64		
		04/04/19	143358	01-12.B116	MSB Supplies	155.00		
		04/04/19	143359	01-13.B116	Lab Supplies	29.00	319.64	101235
SEYFARTH SHAW	S000280	03/14/19	3214381	01-11.B124	Legal Fees	225.00	225.00	101236
SOUND INCORPORATED	S000480	03/25/19	D1337814	01-11.B115	Phone System Service	266.00	266.00	101237
STEPHENS PLUMBING AND	S000680	03/12/19	208098	01-14.B910	BSSRAP Shear Repair	395.85		
		04/07/19	208762	01-14.B910	BSSRAP Shear Repair	435.55	831.40	061484
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/19	10071278	01-11.B124	Legal Publications	1604.12	1604.12	061485
TECH 3 SOLUTIONS INC.	T000096	03/12/19	19-847	01-12.B513	CHP 1 Part	760.00		
		03/12/19	19-850	01-12.B513	Freight For CHP Parts	254.15	1014.15	061486
TERRACE SUPPLY COMPANY	T000250	03/31/19	00998286	01-12.B116	Cylinder Rentals	52.70		
		04/01/19	70436983	01-12.B507	Acetylene Cylinder	95.76		
		04/04/19	70437621	01-12.B507	Oxygen Cylinder	46.96	195.42	101238
PERSONAL BEST	T000340	03/01/19	42688	01-11.B137	Top Health Subscription	110.88	110.88	061487
TRI-K, INC.	T000535	04/03/19	108868	01-12.B103	Odor Control	1081.40	1081.40	101239
USABLUBOOK	U000150	03/27/19	850466	01-13.B114	Lab Chemicals	130.73		
		03/27/19	850466	01-13.B116	Lab Supplies	324.98	455.71	061488
UNITED PARCEL SERVICE	U000300	03/16/19	3Y0091119	01-13.B123	Overnight Sample Shipping	15.39	15.39	061489
UNO CONSTRUCTION CO., INC.	U000450	03/31/19	9	01-14.B910	BSSRAP Projects	41639.61	41639.61	101245
VERIZON WIRELESS	V000135	04/01/19	542042956	01-12.B112	WWTC Tablet Service	118.05		
		04/01/19	542042956	01-14.B112	SS Tablet Service	103.28		
		04/01/19	542042956	01-15.B112	LS Tablet Service	36.01		
		03/28/19	785846626	01-11.B112	Admin Cell Service	151.21		
		03/28/19	785846626	01-12.B112	WWTC Cell Service	842.27		
		03/28/19	785846626	01-14.B112	SS Cell Service	467.20		
		03/28/19	785846626	01-15.B112	LS Cell Service	268.38	1986.40	061490
WAGNER COMMUNICATIONS, INC	W000070	04/01/19	190400376	01-11.B112	Answering Service	235.40	235.40	101240
WESTFAX	W000350	03/31/19	1338363	01-11.B112	EFax Service	8.99	8.99	101241
WEST SIDE TRACTOR SALES CO.	W000380	03/21/19	N77848	01-12.B501	John Deere 544K Repair	593.70	593.70	061491
VILLAGE OF WESTMONT	W000450	04/03/19	715500	01-11.B121	Meter Readings	370.01	370.01	061492
WIEDEL, PHILIPP, INDELICATO & OW	W000551	04/01/19	745	01-11.B124	Legal Fees	300.00	300.00	061493
						=====	=====	
Total Payments:						274257.66	274257.66	
ACH Payments Total:						216346.73	.00	
Check Payments Total:						57910.93	274257.66	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 04/16/19

Date: 04/12/19

Time: 1:02pm

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
AT&T	A000075	04/09/19	081267687503	01-11.B112	DSL Internet Service	87.17	87.17	101195
CHASE	B000050	03/20/19	SPR 03/15/19	01-00.2000	Fed Tax	3009.60		
		03/20/19	SPR 03/15/19	01-00.2002	Empl Soc Sec Tax	2411.02		
		03/20/19	SPR 03/15/19	01-17.E461	Emplr Soc Sec Tax	2411.02	7831.64	101176
CHASE	B000050	04/01/19	PR 03/23/19	01-00.2000	Fed Tax	7614.77		
		04/01/19	PR 03/23/19	01-00.2002	Empl Soc Sec Tax	5217.47		
		04/01/19	PR 03/23/19	01-17.E461	Emplr Soc Sec Tax	5217.46	18049.70	101182
CHASE	B000050	04/03/19	SPR 03/31/19	01-00.2000	Fed Tax	3011.67		
		04/03/19	SPR 03/31/19	01-00.2002	Empl Soc Sec Tax	2411.24		
		04/03/19	SPR 03/31/19	01-17.E461	Emplr Soc Sec Tax	2411.26	7834.17	101187
CHASE	B000050	04/15/19	PR 04-06-19	01-00.2000	Fed Tax	8133.37		
		04/15/19	PR 04-06-19	01-00.2002	Empl Soc Sec Tax	5645.28		
		04/15/19	PR 04-06-19	01-17.E461	Emplr Soc Sec Tax	5645.24	19423.89	101196
D.G. SANIT DIST #XXXXXXXXX1117	D000400	04/17/19	Reimburse	01-00.1001	Payroll Acct Reimburse	137648.56	137648.56	101194
D.G. SANIT DIST #XXXXXXXXX1114	D000420	04/17/19	Reimburse	01-05.3001	User Refund Acct Reimburs	1531.55	1531.55	101200
D.G. SANIT DIST #XXXXXXXXX1112	D000440	04/17/19	Reimburse	01-11.B120	Name Badges	35.00		
		04/17/19	Reimburse	01-12.B116	Coffee For Plant	110.15		
		04/17/19	Reimburse	01-13.B117	DRB Seminar	60.00	205.15	101201
DUPAGE CREDIT UNION	D000650	03/19/19	SPR 03/15/19	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101178
DUPAGE CREDIT UNION	D000650	03/29/19	PR 03/23/19	01-00.2013	Empl Authorized W/Holding	1061.31	1061.31	101184
DUPAGE CREDIT UNION	D000650	04/02/19	SPR 03/31/19	01-00.2013	Empl Authorized W/Holding	800.00	800.00	101189
DUPAGE CREDIT UNION	D000650	04/12/19	PR 04-06-19	01-00.2013	Empl Authorized W/Holding	1061.31	1061.31	101198
HEALTH CARE SERVICE CORP.	H000190	03/28/19	165585	01-17.E455	Health Insurance	43847.84	43847.84	101181
HUDSON ENERGY SERVICES, LLC	H000495	03/28/19	Various	01-15.B100	Lift Station Elec	4811.01	4811.01	061443
HUDSON ENERGY SERVICES, LLC	H000495	04/08/19	4000003459	01-15.B100	Venard LS Elec	406.73	406.73	061444
ILLINOIS DEPARTMENT OF REVENUE	I000240	03/20/19	SPR 03/15/19	01-00.2001	State Tax	1383.27	1383.27	101177
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/01/19	PR 03/23/19	01-00.2001	State Tax	3196.06	3196.06	101183
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/03/19	SPR 03/31/19	01-00.2001	State Tax	1383.42	1383.42	101188
ILLINOIS DEPARTMENT OF REVENUE	I000240	04/15/19	PR 04-06-19	01-00.2001	State Tax	3463.44	3463.44	101197
ILLINOIS MUNICIPAL	I000300	04/09/19	Pension	01-00.2003	Empl Pension Deposit	12797.95		
		04/09/19	Pension	01-00.2014	Empl Vol Pension Deposit	8978.26		
		04/09/19	Pension	01-17.E460	Emplr Pension Deposit	25396.81	47173.02	101202
INVOICE CLOUD	I000750	04/07/19	607-2019-3	01-11.B121	Biller Portal Fees	301.50	301.50	101193
MIDAMERICA ADMIN HRA ACCOUNT	M000557	03/27/19	HRA Funding	01-17.E455	HRA Acct Funding	500.00	500.00	101186
TRANSAMERICA RETIREMENT SOLUTION	T000415	03/19/19	SPR 03/15/19	01-00.2026	Def Comp IPPFA	1000.00		
		03/19/19	SPR 03/15/19	01-00.2028	Def Comp Loan Repay IPPFA	77.06	1077.06	101179
TRANSAMERICA RETIREMENT SOLUTION	T000415	03/29/19	PR 03/23/19	01-00.2028	Def Comp Loan Repay IPPFA	110.51	110.51	101185
TRANSAMERICA RETIREMENT SOLUTION	T000415	04/02/19	SPR 03/31/19	01-00.2026	Def Comp IPPFA	1000.00		
		04/02/19	SPR 03/31/19	01-00.2028	Def Comp IPPFA Loan Repay	77.06	1077.06	101190
TRANSAMERICA RETIREMENT SOLUTION	T000415	04/12/19	PR 04-06-19	01-00.2027	Def Comp Roth IPPFA	40.00		
		04/12/19	PR 04-06-19	01-00.2028	Def Comp IPPFA Loan Repay	110.51	150.51	101199
U.S. POSTAL SERVICE	U000130	04/05/19	Refill	01-11.B119	Postage Meter Refill	1000.00	1000.00	101192
VANTAGEPOINT TRANSFER AGENTS-45V	000120	03/19/19	SPR 03/15/19	01-00.2020	Def Comp ICMARC	300.00	300.00	101180
VANTAGEPOINT TRANSFER AGENTS-45V	000120	04/02/19	SPR 03/31/19	01-00.2020	Def Comp ICMA	300.00	300.00	101191
						=====	=====	
Total Payments:						306815.88	306815.88	
ACH Payments Total:						301598.14	.00	
Check Payments Total:						5217.74	306815.88	

===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/22/19	0204985	02-74.0501	Unsewered Area Plan Upd	525.00	525.00	101242
IL ENV PROTECTION AGENCY	I000260	03/21/19	L17-3088	02-30.0515	Loan Repayment	46595.52	46595.52	101243
						=====	=====	
					Total Payments:	47120.52	47120.52	
					ACH Payments Total:	47120.52	.00	
					Check Payments Total:	.00	47120.52	



===== VENDOR =====			===== INVOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
IL ENV PROTECTION AGENCY	I000260	03/21/19	L17-3088-1	03-30.0515	Loan Repayment	14403.64	14403.64	101244
						=====	=====	
					Total Payments:	14403.64	14403.64	
					ACH Payments Total:	14403.64	.00	
					Check Payments Total:	.00	14403.64	

DATE \_\_\_\_\_

REVIEWED \_\_\_\_\_

TRUSTEE APPROVAL \_\_\_\_\_  
PRESIDENT

\_\_\_\_\_  
CLERK



G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		581073.54-
01-00.1001	CASH - PAYROLL ACCOUNT	137648.56	
01-00.2000	FEDERAL TAX WITHHELD	21769.41	
01-00.2001	STATE TAX WITHHELD	9426.19	
01-00.2002	SOCIAL SECURITY WITHHELD	15685.01	
01-00.2003	IMRF WITHHELD	12797.95	
01-00.2005	CLEARING	215.52	
01-00.2013	CREDIT UNION WITHHELD	3722.62	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	8978.26	
01-00.2017	VOLUNTARY GROUP LIFE	400.00	
01-00.2020	DEFERRED COMPENSATION WITHHELD - ICMARC	600.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	2000.00	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	40.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	375.14	
01-05.3001	USER RECEIPTS	1531.55	
01-11.B101	NATURAL GAS	178.75	
01-11.B112	COMMUNICATION	1165.74	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	12965.82	
01-11.B116	SUPPLIES	383.45	
01-11.B117	EMPLOYEE/DUTY COSTS	646.47	
01-11.B118	BUILDING AND GROUNDS	848.00	
01-11.B119	POSTAGE	1006.10	
01-11.B120	PRINTING/PHOTOGRAPHY	180.00	
01-11.B121	USER BILLING MATERIALS	9217.65	
01-11.B124	CONTRACT SERVICES	5589.97	
01-11.B137	MEMBERSHIPS/SUBSCRIPTIONS	535.88	
01-11.C222	GAS/FUEL	34.86	
01-11.C225	OPERATION/REPAIR	156.55	
01-12.B100	ELECTRICITY	146.11	
01-12.B101	NATURAL GAS	1119.68	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	980.43	
01-12.B103	ODOR CONTROL	1081.40	
01-12.B104	FUEL - GENERATORS	8404.59	
01-12.B112	COMMUNICATION	1261.65	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	4512.73	
01-12.B116	SUPPLIES	1767.02	
01-12.B117	EMPLOYEE/DUTY COSTS	559.97	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	2142.54	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	2832.79	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	1614.93	
01-12.B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	199.47	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	1044.57	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	15554.57	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	2922.50	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	1337.61	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	1243.15	

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	2305.12	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	4267.80	
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	741.00	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	1262.85	
01-12.B811	BLDG AND GROUNDS - TERTIARY TREATMENT	428.51	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	1.90	
01-12.C222	GAS/FUEL	832.17	
01-12.C225	OPERATION/REPAIR	31.65	
01-13.B114	CHEMICALS	1033.80	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	15254.47	
01-13.B116	SUPPLIES	500.65	
01-13.B117	EMPLOYEE/DUTY COSTS	438.20	
01-13.B122	MONITORING EQUIPMENT	718.00	
01-13.B123	OUTSIDE LAB SERVICES	2396.59	
01-13.C222	GAS/FUEL	25.84	
01-13.C225	OPERATION/REPAIR	49.47	
01-14.B112	COMMUNICATION	570.48	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	1734.95	
01-14.B116	SUPPLIES	485.40	
01-14.B117	EMPLOYEE/DUTY COSTS	118.33	
01-14.B124	CONTRACT SERVICES	225.25	
01-14.B127	JULIE SYSTEM	4058.95	
01-14.B901	SEWER SYSTEM REPAIRS - I/I PROGRAM	44.00	
01-14.B903	SEWER SYSTEM REPAIRS - REHABILITATION	8067.04	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	42779.01	
01-14.B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/REH	112.60	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.59	
01-14.C222	GAS/FUEL	914.05	
01-14.C225	OPERATION/REPAIR	68.08	
01-15.B100	ELECTRICITY	10060.58	
01-15.B112	COMMUNICATION	304.39	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	4094.43	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	165.64	
01-15.B526	EQPT/EQPT REPAIR - NORTHWEST	189.60	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	379.66	
01-17.E455	EMPLOYEE GROUP HEALTH	47710.54	
01-17.E460	IMRF	25396.81	
01-17.E461	SOCIAL SECURITY	15684.98	
02-00.1000	CASH		47120.52-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-74.0501	REPORT ENGINEERING/ARCHITECTURAL	525.00	
03-00.1000	CASH		14403.64-
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.64	
		=====	
		642597.70	642597.70-

[illegible]

**Date:** 4/12/2019  
**Due Date:** 4/16/2019  
**Invoice #:** Reimburse

**Petty Cash Checking Reimbursement**

**D-440**

<b>Date</b>	<b>Purchased From</b>	<b>Description</b>	<b>Code</b>	<b>Amount</b>	<b>Ck No.</b>
03/21/19	B Gunther	Name Badge's	11.B120	35.00	3558
03/26/19	Costco	Coffee For Plant	12.B116	110.15	3559
04/05/19	Baxter & Woodman	DRB Seminar	13.B117	60.00	3560

**Total Receipts/Reimbursement** 205.15

**Expense by code**

11.B120	35.00
12.B116	110.15
13.B117	60.00
	<u>205.15</u>

**P - 350**

**Invoice #: Cash Box**

151.13

## DOWNERS GROVE SANITARY DISTRICT

### M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Employee Group Insurance Renewals

The purpose of this Memo is to review the District's employee group insurance benefits plan and provide a recommendation for the June 1, 2019 renewal. With the passage of the Affordable Care Act several years ago, carriers are permitted to bill groups using age-rated premiums – which is exactly what BlueCross BlueShield of Illinois (BCBSIL), the District's current carrier, has been doing over the last several years. As a result, each year the District staff has chosen to internally calculate and set a composite (standard) rate for each class of coverage rather than passing on to each employee a percentage of the medical carrier's age-rated premiums that are billed to the District. This ultimately means that for a particular plan, each associated premium for any given tier of coverage is fixed regardless of the covered individuals' ages. This year, as part of our renewal, was the first year that BCBSIL calculated and offered to the District a choice – (1) continue to be billed using age-rated premiums; or (2) select to be billed using a BCBSIL calculated composite rate for each tier of coverage for each plan (which is essentially what staff has been doing).

Four years ago we began collecting contributions from employees to help control the cost of coverage paid by the District, and to continue aligning ourselves with industry norms. The District began requiring premium contributions in June 2014 for those employees and eligible dependents that elected to take the PPO plan offered through Humana and in June 2015 we began requiring premium contributions for those employees and eligible dependents that elected to take either the PPO plan or a richer HMO plan offered through BCBSIL. This past year we offered four different plans (two HMO-styled plans and two PPO-styled plans). Our employee group did not participate at all in the less rich HMO and PPO styled plans and instead enrolled in one of the richer plans (60% HMO and 40% PPO).

To assist in analyzing the renewal and to provide a historical perspective, we prepared the attached History of Premiums and Benefits, along with a recommended benefit offering to employees for coverage for the next year (Options 1, 2, and 3 as a package). The current employee census is applied to all plans on the sheet (including historical plans). The actual historical amounts paid varied with changes in our employee demographics. We again utilized the services of a consultant, GCG Financial, for this renewal, who has consulted on previous annual renewals since 2003. I have arranged for both Amy Abell and Catherine Loney of GCG Financial to be present at the April 15 board meeting to address any questions that may come up.

## History

A chronological summary of recent renewals is as follows:

- 2016 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (an HMO option at no cost to the employee, a richer HMO requiring employee premium contribution, a PPO option with a narrower provider network offering requiring employee premium contribution, and a rich hybrid PPO option requiring employee premium contribution), renewed the dental coverage with Humana CompBenefits and continued the vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at -1.09% after employee premium contributions were applied.
- 2017 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (a single provider (Advocate) HMO option at no cost to the employee, a richer HMO requiring employee premium contribution, a PPO option with a narrower provider network offering requiring employee premium contribution, and a rich hybrid PPO option requiring employee premium contribution), renewed the dental coverage with Humana CompBenefits and continued the vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at -3.59% after employee premium contributions were applied.
- 2018 The District maintained its medical coverage with BCBSIL and offered a total of four different plans for employees to choose from (a single provider (Advocate) HMO option at no cost to the employee, a richer HMO requiring employee premium contribution, a PPO option with a narrower provider network offering requiring employee premium contribution, and a rich hybrid PPO option requiring employee premium contribution), switched the dental coverage to Principal for a two-year contract and continued the vision coverage with EyeMed Vision Care for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 8.88% after employee premium contributions were applied and enrollment demographics shifted. In 2018, the District also began to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 for each spouse or employee that does not elect coverage through the District). We currently have 1 employee and 4 spouses that are eligible to be on the District's plan, but have elected to obtain coverage through the spouse's employer resulting in enjoyment of this benefit.

## Dental and Vision Coverage

For dental coverage, the District will be starting year 2 of a 2-year rate guarantee and thus requires no action.

For vision coverage, the District will be starting year 4 of a 4-year rate guarantee and thus requires no action.

### Medical renewal with Alternate Carriers

As Humana and UnitedHealthCare(UHC) quoted the District's coverage last year with projected increases of 29.5% and 35.8%, respectively, over existing rates and this year's BCBSIL renewal quote provides a decrease of 3.4%, our broker recommended that we should not seek quotes from alternate carriers for this plan year. As it has been discussed in the past with the District's general liability and property insurance coverages, it is typically in the District's best interest for its group health insurance renewal to seek alternate carrier quotes when its existing carrier quotes a significant increase upon renewal and wait in the off years avoiding a high degree of provider disruption for the District's group. Consistently obtaining quotes year and year from the same alternate carriers with no resulting switch eventually discourages the other carriers from quoting in the future. In an effort to achieve some measure of due diligence, staff and our broker assessed the plan offerings and base premiums offered from Humana and UHC to map and line up similar plan offerings as to what the District has through BCBSIL. Similarly-designed plans from Humana and UHC came in with a roughly 16%-38% increase over existing rates.

### 2019 Renewal Options

We have developed three plan options that are under the amount budgeted for group health insurance for fiscal year 2019-20. Our broker has informed us that we can offer all three medical options to our group with no minimum participation required for any one particular plan. With this year's renewal, the premiums offered to the District from BCBSIL using either the age-rated method or the composite rate method will likely result in a slight decrease in the District's costs as compared to the current year. As a result, staff is recommending keeping the two plans that have high enrollment currently with our group and offering a new third plan option that offers a rich benefits structure (practically identical to the existing rich HMO plan) but provides a costs savings as it limits coverage to only the Advocate provider network (for example, Good Samaritan Hospital in Downers Grove and associated treatment providers). In addition, staff is recommending we maintain employee premium contributions at their current levels and set a new appropriate premium contribution structure for the third plan option that may incentivize members of our group to consider it as a more affordable alternative if their providers are largely already in the Advocate network.

1) Option 1 in the History table – Offer a new HMO-styled plan offering through BCBSIL that offers identical coverage and benefits as Option 2 below, but restricted to the Advocate-only provider network. Staff has seen increasing enrollment in the District's rich HMO plan (Option 2 below) in recent years and we determined there could be some potential cost savings for both the District and its employees if their providers were already in the Advocate network and this plan requires lower employee premium contribution levels. This plan **would** require employees to share the premiums with the District, with rates proportionally lower than the Option 2 plan.

2) Option 2 in the History table – Renewal of existing coverage with continuing to offer the same HMO-styled plan through BCBSIL with a deductible of \$0, low co-pays and out-of-pocket maximums. This plan **would** require employees to share the premiums with the District, at the same rates as last year.

3) Option 3 in the History table - Renewal of existing coverage continuing to offer the hybrid PPO-styled plan through BCBSIL. This PPO plan does offer its participants the flexibility to utilize



two different PPO networks – a thinner network with better co-pays, deductibles and out-of-pocket maximums and the full PPO network with high co-pays, deductibles and out-of-pocket maximums. This enables the employee to have some say in their costs in using this coverage while still providing the flexibility of the full BCBSIL PPO network. BCBSIL did make a few changes to the plan design (90/10 Blue Choice coinsurance replaced with 80/20 Blue Choice coinsurance and \$12,000/\$29,400 out-of-network out-of-pocket maximum with no out-of-network out-of-pocket maximum), but overall the same overall plan design remains. This plan would require employees share the premiums with the District, at the same rates as last year. Even with the few minor changes to the benefit levels under this plan, it continues to offer significantly better benefits and a broader network than many other available plan options.

### Life Insurance Coverage

The District will be starting year 3 of a 3-year rate guarantee with Kansas City Life/NIS and thus no action is required.

### Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements for those employees that select Options 1 (rich HMO but limited to Advocate Only Provider Network), 2 (rich HMO) or 3 (rich hybrid PPO). Please note that these amounts are approximations at this time and staff may need to adjust these amounts prior to the first payroll for ease of administration and equity.

<b>OPTION 1 (Rich HMO – Advocate Only)</b>	<b>Annual Employee Contribution</b>	<b>Per Paycheck for Hrly</b>	<b>Per Paycheck for Sups</b>
Employee Only	\$286.65	\$11.03	\$11.94
Employee Plus Spouse	\$1,146.60	\$44.10	\$47.78
Employee Plus Children	\$1,003.28	\$38.59	\$41.80
Family	\$1,576.58	\$60.64	\$65.69
<b>OPTION 2 ( Rich HMO)</b>	<b>Annual Emp. Contribution</b>	<b>Per Paycheck for Hrly</b>	<b>Per Paycheck for Sups</b>
Employee Only	\$382.20	\$14.70	\$15.93
Employee Plus Spouse	\$1,528.80	\$58.80	\$63.70
Employee Plus Children	\$1,337.70	\$51.45	\$55.74
Family	\$2,102.10	\$80.85	\$87.59
<b>OPTION 3 ( Hybrid PPO)</b>	<b>Annual Employee Contribution</b>	<b>Per Paycheck for Hrly</b>	<b>Per Paycheck for Sups</b>
Employee Only	\$423.80	\$16.30	\$17.66
Employee Plus Spouse	\$1,695.20	\$65.20	\$70.63
Employee Plus Children	\$1,483.30	\$57.05	\$61.80
Family	\$2,330.90	\$89.65	\$97.12

Also, please note that employees will be able to utilize the District's existing Flexible Savings Account to have their premium contributions deducted from their paychecks on a pre-tax basis.

### Recommendations for Renewal

When the District staff sets our own internal composite rates in conjunction with being billed by BCBSIL for the age-rated premiums, we end up subsidizing each of our retirees' coverage on the District's plan (as there would be a gap between what we were being billed from BCBSIL and what we were charging the retiree). Historically speaking, the only way to bridge this gap when BCBSIL was only offering the District to be billed by age-rated premiums was to completely pass through 100% of the age-rated premiums to our retirees and restructure our entire employee contribution configuration so that each employee would be responsible for some percentage of the age-rated premiums for themselves, spouses and dependents covered by the plan (which would result in some significant administrative effort to administer and would ultimately lower the total amount of employee's share of premiums as compared to the District in order for the District to make such a switch this year).

Since BCBSIL has now offered the District its own composite rate for our group, the District can completely pass through to its retirees the composite rate for their particular coverage, thus eliminating the gap referenced above. While the District's annual share of the coverage for using the BCBSIL composite rate is \$12,291.50 higher than being billed for age-rated premiums, the District will likely incur similar costs subsidizing current (and future) retiree costs and administrative costs by constantly administering an age-rated premium structure.

For the June 1, 2019 renewal, I am recommending that the District offer the three options listed above in this memo dated April 12, 2019 for medical insurance coverage with BlueCross BlueShield of Illinois using the BCBSIL provided composite rate with an overall percent change of -3.76% in health insurance (medical, dental and vision) and life insurance premiums from the prior year. This year's calculation takes into consideration both the cost of the District providing the HRA benefit to its employees as well as the retiree subsidization. Staff recommends we continue to offer the Health Reimbursement Account to employees as a cost savings measure.

By staff utilizing BCBSIL's composite rates and provide flexible plan offerings to our group, we are able to offset any anticipated overall medical increase that would normally occur with no changes. This number will vary depending upon plan selection by the employees, but staff has determined that the range of consequences for employees utilizing these specific plans using set rates is a range of costs where the highest increase would cap out at 0.57% (all of the employees and eligible dependents take the PPO plan) and the greatest decrease would bottom out at -4.43% (all of the employees and eligible dependents take the Advocate-Only HMO plan). All other possible enrollment scenarios fall within that window.

As indicated in the attached History of Premiums and Benefits, by changing carriers, plan design changes or changes in employee premium contributions over the last six years, the annual average percentage premium increase for the employee group insurance benefit is now 0.836%.

If you concur with this recommendation, this item will be placed on the agenda for the April 15 regular Board meeting.

Attachment

cc: WDVb, AES, PWC, KJR, RTJ, MJS, MGP

DOWNERS GROVE SANITARY DISTRICT  
HISTORY OF PREMIUMS AND BENEFITS

USING CURRENT EMPLOYEE CENSUS

APRIL 12, 2019

PREMIUMS

MEDICAL	ALL	WAIVE	PPO2	HMO2	HMO1	PPO1
MED-CLASS 1-EMPLOYEE ONLY		0	2	7	0	0
MED-CLASS 2-EEE&SPOUSE		1	2	6	0	0
MED-CLASS 3-EEE&CHILD(REN)		0	2	1	0	0
MED-CLASS 4-FAMILY		0	4	9	0	0
	34	1	10	23	0	0

LIFE INSURANCE						
ADMIN FEE PER MONTH						
MONTHLY PREMIUM						
ANNUAL PREMIUMS						
FSA						
HRA	5					
RETIREE COSTS						
EMPLOYEE CONTRIBUTIONS						
NET ANNUAL PREMIUM FOR PLANS WITH CONTRIBUTIONS						
PERCENT CHANGE - MEDICAL AND LIFE INS. ONLY BEFORE CONTRIBUTIONS						
CURRENTLY BILLED MEDICAL AND LIFE INS. PREMIUMS (PRORATED ANNUALLY)						
CURRENT MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS (PRORATED ANNUALLY)						
PERCENT CHANGE - PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS						

DENTAL

DENTAL-CLASS 1-EMPLOYEE ONLY	9
DENTAL-CLASS 2-EEE&SPOUSE	8
DENTAL-CLASS 3-EEE&CHILD(REN)	3
DENTAL-CLASS 4-FAMILY	13
MONTHLY PREMIUM	33
ANNUAL PREMIUMS	
PERCENT CHANGE-DENTAL ONLY	

VISION

VISION-CLASS 1-EMPLOYEE ONLY	9
VISION-CLASS 2-EEE&SPOUSE	8
VISION-CLASS 3-EEE&CHILD(REN)	3
VISION-CLASS 4-FAMILY	13
MONTHLY PREMIUM	33
ANNUAL PREMIUMS	
PERCENT CHANGE - VISION ONLY	

PERCENT CHANGE - ALL COVERAGES	
TOTAL MONTHLY PREMIUM	
TOTAL ANNUAL PREMIUMS	
PERCENT CHANGE - ALL COVERAGES	
VITALITY REDUCTIONS	
RESULTING PERCENT CHANGE AFTER VITALITY REDUCTIONS	

ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS	
---	--

ANNUAL PERCENT CHANGE AND ANNUAL PREMIUMS IF NO CARRIER OR BENEFIT CHANGES HAD BEEN MADE TO OFFSET INCREASE	
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MEDICAL BENEFITS

MEDICAL PLAN NAME	
ANNUAL DEDUCTIBLE-IN NETWORK - INDIVIDUAL	
ANNUAL DEDUCTIBLE-IN NETWORK - FAMILY MAXIMUM	
ANNUAL OUT OF POCKET-IN NETWORK - INDIVIDUAL	
ANNUAL OUT OF POCKET-IN NETWORK - FAMILY MAXIMUM	
ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL	
ANNUAL DEDUCTIBLE-OUT OF NETWORK - FAMILY MAXIMUM	
ANNUAL OUT OF POCKET-OUT OF NETWORK - INDIVIDUAL	
ANNUAL OUT OF POCKET-OUT OF NETWORK - FAMILY MAXIMUM	
OFFICE VISIT CO-PAY (PCP / SPECIALIST)	
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY	
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE/COPAY	
INPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK	
OUTPATIENT HOSPITAL PER OCCURRENCE DEDUCTIBLE - OUT OF NETWORK	
ER CO-PAY	
COINSURANCE PERCENTAGE	
DISCOUNTED PHARMACY CO-PAYS	
2ND TIER PHARMACY CO-PAYS	
LT MAX-IN NETWORK	
LT MAX-OUT OF NETWORK	
LIFE INSURANCE (BY ASSORTED CARRIERS)	

PROPOSED BENEFIT OFFERING  
(06/01/19-05/31/20)

EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS		EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS		EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS	
WITH EMPLOYEE PREMIUM CONTRIBUTION		WITH EMPLOYEE PREMIUM CONTRIBUTION		WITH EMPLOYEE PREMIUM CONTRIBUTION	
Hybrid PPO PLAN		RICH HMO PLAN		RICH HMO PLAN - ADVOCATE ONLY	
604.47	\$1,208.94	586.13	\$4,102.91	556.83	\$0.00
1,208.93	\$2,417.86	1,172.26	\$7,033.56	1,113.65	\$0.00
1,118.26	\$2,236.52	1,084.34	\$1,084.34	1,030.13	\$0.00
1,722.73	\$6,890.92	1,670.47	\$15,034.23	1,586.96	\$0.00
	\$12,754.24		\$27,255.04		\$0.00

11.50	\$126.50		\$264.50		\$0.00
0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	\$12,880.74		\$27,519.54		\$0.00
	\$154,568.88		\$330,234.48		\$0.00
	\$0.00		\$0.00		\$0.00
6,000.00					
0.00					
	(\$16,528.20)		(\$32,104.80)		\$0.00
	\$138,040.68		\$298,129.68		\$0.00
-0.28%	\$490,803.36				
	\$490,759.43				
	\$442,126.43				
-0.32%					

PRINCIPAL 2 YR CONTRACT (06/01/18-05/31/20)	
29.20	\$262.80
59.29	\$474.32
73.13	\$219.39
108.49	\$1,410.37
	\$2,366.88
	\$28,402.56
	0.00%

EYEMED 4 YEAR RATE GUARANTEE (06/01/16-05/31/20)	
\$6.22	\$55.98
\$11.82	\$94.56
\$12.44	\$37.32
\$18.29	\$237.77
	\$425.63
	\$5,107.56
	0.00%

\$39,636.38	
\$475,636.55	
-3.76%	
0.836%	
11.71%	
\$552,082.52	

Blue Cross Blue Shield of Illinois	Blue Cross Blue Shield of Illinois	Blue Cross Blue Shield of Illinois
G506OPT Blue Options	P506PSN HMO Blue Precision	P506BCH HMO ADVOCATE ONLY
\$700 BC/\$1,500 PPO	\$0	\$0
\$2,100 BC/\$4,500 PPO	\$0	\$0
\$4,200 BC/\$6,000 PPO	\$1,500	\$1,500
\$12,600 BC/\$14,700 PPO	\$1,500 X 3 = \$4,500	\$1,500 X 3 = \$4,500
\$3,000	N/A	N/A
\$9,000	N/A	N/A
None	N/A	N/A
None	N/A	N/A
\$20/\$40 BC - \$50/\$100 PPO	\$10 pcp/\$45 specialist	\$10 pcp/\$45 specialist
\$250 BC/\$500 PPO then Ded/Coins	\$150 Copay then 0%	\$150 Copay then 0%
\$200 BC/\$400 PPO then Ded/Coins	\$100 Copay then 0%	\$100 Copay then 0%
\$600 then Ded/Coins	N/A	N/A
\$500 then Ded/Coins	N/A	N/A
\$400 then Ded/Coins	\$300 Ded then 0%	\$300 Ded then 0%
80/20 BC 70/30 PPO - OON - 50/50	100/0	100/0
\$10/\$20/\$55/\$95/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250
NONE	NONE	NONE
NONE	NONE	NONE
\$50,000	\$50,000	\$50,000

CURRENT YEAR  
(06/01/18-05/31/19)

EMPLOYEE OPTION 4 BLUE CROSS BLUE SHIELD OF ILLINOIS		EMPLOYEE OPTION 3 BLUE CROSS BLUE SHIELD OF ILLINOIS		EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS		EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS	
WITH EMPLOYEE PREMIUM CONTRIBUTION		WITH EMPLOYEE PREMIUM CONTRIBUTION		WITH EMPLOYEE PREMIUM CONTRIBUTION		WITH NO EMPLOYEE PREMIUM CONTRIBUTION	
Hybrid PPO PLAN		HIGHER HMO PLAN		LOWER HMO PLAN		Blue Choice Preferred PPO PLAN	
567.95	\$1,135.90	555.79	\$3,890.53	496.38	\$0.00	471.32	\$0.00
1,249.49	\$2,498.98	1,222.74	\$7,336.44	1,092.03	\$0.00	1,036.91	\$0.00
1,079.10	\$2,158.20	1,056.00	\$1,056.00	943.12	\$0.00	895.52	\$0.00
1,760.64	\$7,042.56	1,722.95	\$15,506.55	1,538.78	\$0.00	1,461.10	\$0.00
	\$12,835.64		\$27,789.52		\$0.00		\$0.00

11.50	\$126.50		\$264.50		\$0.00		\$0.00
0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
	\$12,962.14		\$28,054.02		\$0.00		\$0.00
	\$155,545.68		\$336,648.24		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00		\$0.00
6,000.00							
11,135.00							
	(\$16,528.20)		(\$32,104.80)		\$0.00		\$0.00
	\$139,017.48		\$304,543.44		\$0.00		\$0.00
11.04%	\$509,328.92						
	\$460,695.92						
5.64%							

PRINCIPAL 2 YR CONTRACT (06/01/18-05/31/20)	
29.20	\$262.80
59.29	\$474.32
73.13	\$219.39
108.49	\$1,410.37
	\$2,366.88
	\$28,402.56
	2.64%

EYEMED 4 YEAR RATE GUARANTEE (06/01/16-05/31/20)	
\$6.22	\$55.98
\$11.82	\$94.56
\$12.44	\$37.32
\$18.29	\$237.77
	\$425.63
	\$5,107.56
	0.00%

\$41,183.84	
\$494,206.04	ESTIMATED USING COMPOSITE RATES - BILLED RATES WILL DIFFER SLIGHTLY
8.88%	
5.504%	
25.92%	
\$571,514.00	

Blue Cross Blue Shield of Illinois	Blue Cross Blue Shield of Illinois	Blue Cross Blue Shield of Illinois	Blue Cross Blue Shield of Illinois
G506OPT Blue Options	P506PSN HMO Blue Precision	G532PSN HMO Blue Precision	S532BCE Blue CHOICE PREFERRED
\$700 BC/\$1,500 PPO	\$0	\$2,500	\$2,400
\$2,100 BC/\$4,500 PPO	\$0	\$7,500	\$7,200
\$4,200 BC/\$6,000 PPO	\$1,500	\$6,750	\$7,200
\$12,600 BC/\$14,700 PPO	\$1,500 X 3 = \$4,500	\$14,700	\$14,700
\$3,000	N/A	N/A	\$4,800
\$9,000	N/A	N/A	\$14,400
\$12,000	N/A	N/A	\$7,300
\$29,400	N/A	N/A	\$14,600
\$20/\$40 BC - \$50/\$100 PPO	\$10 pcp/\$45 specialist	\$30 pcp/\$50 specialist	\$50 pcp/\$70 specialist
\$250 BC/\$500 PPO then Ded/Coins	\$150 Copay then 0%	\$200 then Ded then 30%	\$250 then Ded then 40%
\$200 BC/\$400 PPO then Ded/Coins	\$100 Copay then 0%	\$150 then Ded then 30%	\$200 then Ded then 40%
\$600 then Ded/Coins	N/A	N/A	\$350 then Ded then 50%
\$500 then Ded/Coins	N/A	N/A	\$300 then Ded then 50%
\$400 then Ded/Coins	\$300 Ded then 0%	\$400 then Ded then 30%	\$500 Ded then 40%
90/10 BC 70/30 PPO - OON - 50/50	100/0	70/30	IN - 60/40 OUT - 50/50
\$10/\$20/\$55/\$95/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250	\$0/\$10/\$50/\$100/\$150/\$250	\$10/\$20/\$70/\$120/\$150/\$250
NONE	NONE	NONE	NONE
NONE	NONE	NONE	NONE
\$50,000	\$50,000	\$50,000	\$50,000

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Board of Trustees

FROM: Alyssa Caballero, Information Coordinator

DATE: April 12, 2019

RE: DGSD Annual Newsletter

Copies of the following items are attached for the Board's review at the April 15 meeting:

- 1) DGSD Annual newsletter
- 2) WWTC Open House Invitation insert
- 3) Biosolids Distribution Program brochure
- 4) EasyPay Enrollment Form insert
- 5) Online Billing Portal insert

The newsletter this year has updated information and is in a full-color format like the last few years. We have included the EasyPay Enrollment Form again this year to promote customer participation as the program reduces customer call volume and office foot traffic regarding typical billing inquiries. We continue to experience an appreciable increase in enrollments when the EasyPay Enrollment Form is included with the Newsletter. We have also included an insert again promoting the existence of the District's new Online Billing Portal offered through the Invoice Cloud platform.

We have an estimated cost of \$7,179.00 for this year's newsletter (for printing the newsletter and inserts, envelopes and stuffing of the newsletter and inserts). This is a slight increase of 2.15% under last year's cost of \$7,029.00 due to an increase in the cost of printing the biosolids brochure items. We budgeted \$7,300 for this expense. Similar to previous years, Royal Graphics will only print the newsletter and inserts and InfoSend (the District's third-party bill printing and mailing service) will stuff and mail the newsletters and inserts for us in envelopes they provide.

We plan to mail the newsletter with each user's regular bill during the months of May, June, and July.

Attachments

cc: BOLI, NJM, WCC, ICT, MGP

*“Providing a Better  
Environment for South  
Central DuPage County”*

2710 Curtiss Street  
P.O. Box 1412  
Downers Grove, IL 60515  
Phone: 630-969-0664  
Fax: 630-969-0827  
www.dgsd.org

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Follow us on social media



### **SEWER PROBLEMS? OUR ASSISTANCE PROGRAMS CAN HELP**

Customer service is our first priority. We have several sewer assistance programs designed to help you with sanitary sewer backups or other problems with your sewer service. Normal business hours are weekdays 8 a.m. to 4:30 p.m. Technicians are available at all hours to respond to emergencies, such as backups or sanitary sewer manhole overflows.

Reporting of all sanitary sewer backups is essential to provide the information necessary to monitor sewer system conditions, identify problem areas and eligibility for assistance programs. District personnel will investigate backups to determine the cause and appropriate corrective action.

**Residents should note that charges by plumbers or sewer contractors for work performed prior to contacting the District are generally not eligible under our assistance programs.**

The programs available to assist residents with prevention and correction of problems that may cause sanitary sewer backups include:

#### **Building Sanitary Service Repair Assistance Program**

If you are having any issues with your sanitary service or are having to maintain it by frequently rodding, you may be eligible for a repair under the Building Sanitary Service Repair Assistance Program. The Program covers the entire building sanitary service from the building to the public sewer. To qualify for an initial investigation, property owners are usually **only required to submit a Program Application and a sewer rodding or televising invoice** that occurred within the previous 12 months. The District will determine if the cause of repeated maintenance activity is a problem eligible for participation and, if so, the appropriate corrective measures. Most often this includes the installation of an outside cleanout access to help more effectively maintain your service. This Program is not a substitute for and does not cover routine maintenance of the building sanitary service such as periodic rodding. This Program also does not transfer ownership of the building sanitary service to the District.



Examples of cleanouts being installed (left and middle) and a finished installation (right).



## Reimbursement Program for Installation of Overhead Sewer or Backflow Prevention Devices

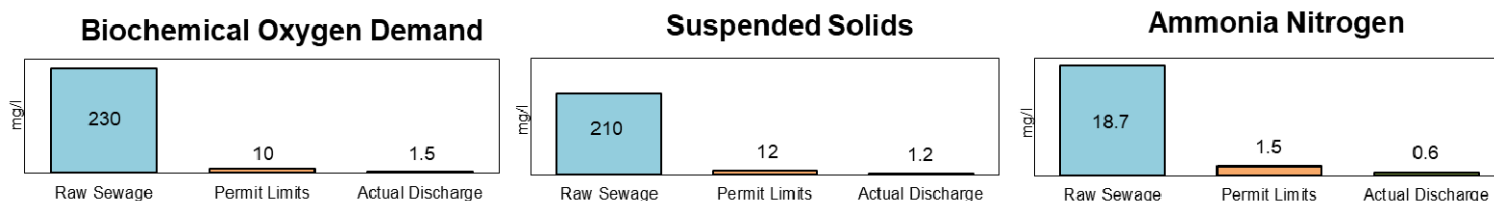
The District requires new construction to include plumbing features needed to protect property from backups that can occur at any time. Owners of older buildings should consider improvements needed to provide this level of protection. This cost sharing program is available for residents who have experienced sewer backup problems and desire to convert to an overhead sewer system or install backflow prevention devices, offering to pay half the project cost up to a limit of \$3,000.

## Reimbursement Program for Sanitary Sewer Backups Caused by Blockages of the Public Sanitary Sewer

If District personnel determine that the sanitary sewer backup was caused by a blockage of the public sanitary sewer, the resident may be eligible for reimbursement of some costs associated with the backup. Please note that sanitary sewer backups occurring as a result of precipitation-related high flow conditions in the public sanitary sewer are not eligible for reimbursement under this Program. Blockages or problems of any nature in the building sanitary service are not eligible for reimbursement under this Program.

## WASTEWATER TREATMENT

The District's Wastewater Treatment Center operates under a National Pollutant Discharge Elimination System (NPDES) permit issued by the Environmental Protection Agency. The District facility discharges treated water to the East Branch of the DuPage River that is significantly better than permit requirements establishing stringent protective criteria. The charts below indicate the successful treatment provided by the Wastewater Treatment Center during 2018 for three major NPDES permit parameters. The parameters are indicated in milligrams per liter (mg/l):



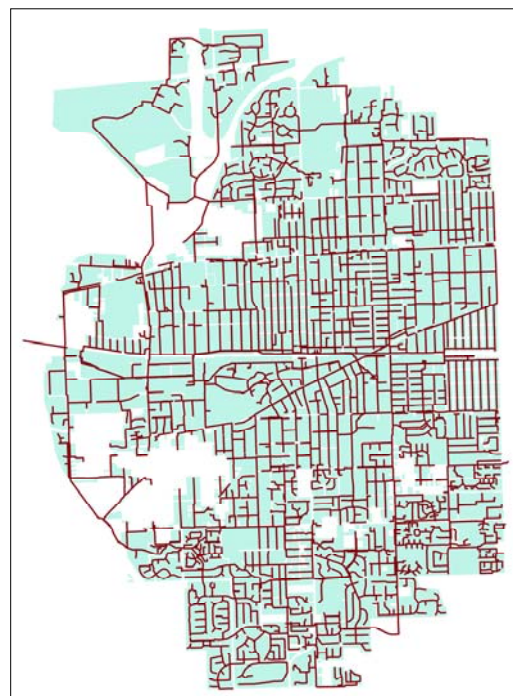
The District continues to track regulatory efforts to establish nutrient standards for wastewater treatment plants. With continuing uncertainty about the environmental benefits of nutrient controls, the District has negotiated a schedule with Illinois EPA that provides time for the District to develop low-cost nutrient control technologies. The schedule also increases our participation with the DuPage River Salt Creek Workgroup to better understand the impacts of nutrients in our watershed, and to help fund restoration projects in our receiving stream, with the goal of achieving the most cost-effective environmental improvements with limited available resources.

## CARING FOR OUR INFRASTRUCTURE

The District's most valuable asset is the sewer collection system, including more than 250 miles of gravity sewers. Beyond these sewers, there are nearly 300 miles of privately owned building service pipes connecting buildings to the public mains owned by the District.

The system dates back as far as 1904 and requires a substantial commitment of resources to maintain in satisfactory working condition, meeting residents' expectations for service and regulatory requirements. The most significant challenge is the appearance of ground and storm water, known as infiltration and inflow (I/I), in sewers intended to carry only sanitary waste from plumbing fixtures. This extraneous water can cause backups and overflows by exceeding the capacity to carry sanitary waste, and is costly to transport and treat.

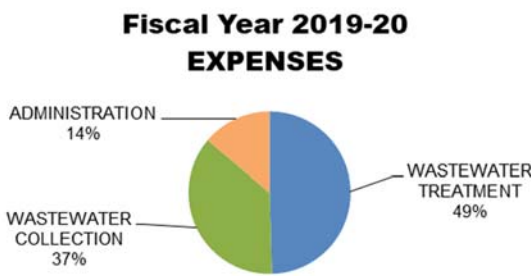
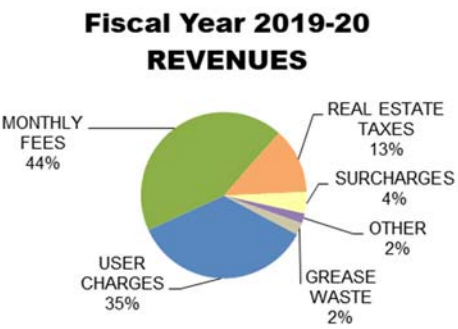
The District has a comprehensive I/I removal and sewer system rehabilitation program. Priority is given to areas identified through flow monitoring, field observations and backup or surcharge reports. State-of-the-art techniques are employed, ranging from open-cut replacement to various trenchless technologies such as cured-in-place lining and grouting. Ordinances regulating private property I/I sources are enforced and rehabilitation is conducted on both public and private sources.



The red lines illustrate the 250 miles of gravity sewers located in our service area.

BUDGET AND FIVE-YEAR PLAN

The District has implemented a five-year plan, which projects revenues and expenses for all District activities, available for review on our website. For the current fiscal year, general corporate revenues are projected to be \$9.368 million and expenses are projected to be \$9.429 million. The expenses include \$3,452,960 for the sewer system, \$4,672,170 for wastewater treatment and \$1,304,270 for administration. The amount of expenses greater than revenues will result in a decrease in the District's operating fund balance. The charts below show the major types of revenues and expenses necessary for operations.



CHANGE IN SEWER BILL RATES 2019

The District's user charge consists of two components: a volume charge based on water consumption and a monthly service fee. The volume charge increased to \$1.70 from \$1.65 per 1,000 gallons of water consumption and the monthly fee increased from \$16.00 to \$17.00 per account effective March 31, 2019. Surcharge and sampling and monitoring charges assessed to commercial and industrial users increased effective March 31, 2019. The user charge is evaluated annually and is set to collect the revenues needed to cover the cost of sewer system and treatment plant operation, maintenance and replacement, and District administration.

REAL ESTATE TAXES

This year the District levied \$1,243,700 for repairs to the sanitary sewer infrastructure, a 3.17% increase from last year. This levy results in a tax rate of \$0.0398 per \$100 of assessed value. A single-family residence with a market value of \$300,000 will pay \$39.80 in real estate taxes to the District in 2019.

BILL PAYMENT OPTIONS

**EasyPay Program** - A FREE automatic debit from your checking account. Enrollment may be done online at [www.dgsd.org/pay-your-bill/easypay-form](http://www.dgsd.org/pay-your-bill/easypay-form) or by returning the enclosed yellow enrollment form to the District.

**District Office** - Bills can be paid by mail, in person or via dropboxes located throughout the District. We also have a kiosk in the office.

**Billing Portal** - An online billing portal where you can view your current bills and make online payments, view previous bills and sign up for reminders. Paperless billing is also available. Convenience fees apply to payments made through the billing portal.

Learn more about payment options at [www.dgsd.org/your-account](http://www.dgsd.org/your-account).

SEWER REHABILITATION PROJECT SET FOR WARREN AVE. IN DOWNERS GROVE

The District will be employing state-of-the-art trenchless sewer rehabilitation for a section of deteriorating large-diameter sewer in downtown Downers Grove. The rehabilitation technique is called 'Cured in Place Pipe' or CIPP. An epoxy-laden felt liner is inserted into the existing pipe, and heat-cured in place, using the existing pipe as the exterior form for the new pipe. A new seamless sewer pipe can be installed without the disruption of digging a large trench to remove and replace the old sewer.

The project includes rehabilitating the original sanitary sewer that runs beneath Warren Avenue from Elm Street to Main Street in Downers Grove, and is scheduled for the 2019 construction season.

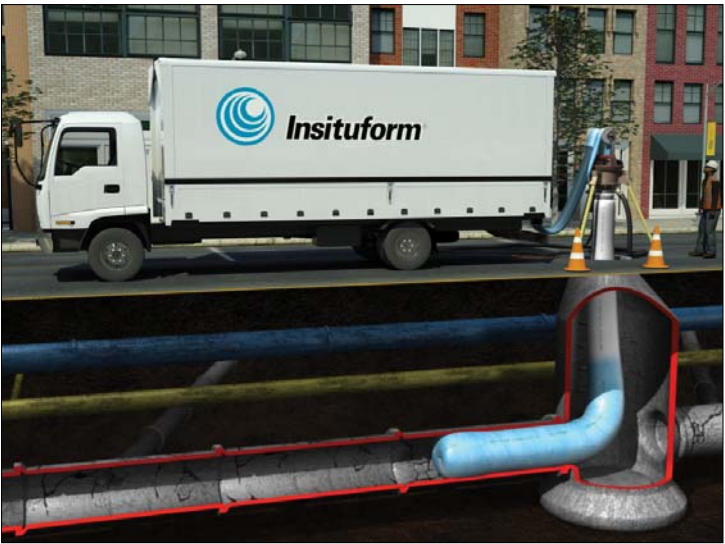


Photo used courtesy of Insituform.



## USED COOKING OIL RECYCLING PROGRAM

The District collects and recycles used cooking oil in partnership with SCARCE, a local environmental non-profit organization. Our customers and residents in the surrounding area are encouraged to recycle their used cooking oil instead of pouring it down the drain or disposing of it in the garbage. By recycling it, you can help divert thousands of pounds of oil and grease away from sewers, preventing major clogs and issues. Used cooking oil can be dropped off at the Administration Center at 2710 Curtiss Street in Downers Grove, on the east side of the building at any time (look for this blue sign posted on the outside of a storage cabinet). For more information, visit [www.dgsd.org/maintain-sewer-line/#cook](http://www.dgsd.org/maintain-sewer-line/#cook).

## REDUCE INTERNAL PLUMBING PROBLEMS

To help keep the sewer system flowing smoothly and keep the environment safe, residents are reminded that most everyday use items should not be disposed of into the sanitary sewer system. These items include: disposable wipes (sometimes labeled 'flushable' which are not flushable in our system), personal hygiene products, disposable toilet bowl cleaner brushes and pads, disposable diapers, baby wipes, dental floss, razor blades and cat litter.

In addition, pharmaceuticals and all household hazardous wastes should be recycled at appropriate facilities. Bulk solvent, paint, heavy duty cleaners or similar items cause hazards in the sewer system which can be dangerous for workers or the public, interfere with the operation of the treatment plant and pollute the river by passing through the plant because it is not treatable in our facilities.

For more tips on how to maintain your sewer line, visit [www.dgsd.org/maintain-sewer-line](http://www.dgsd.org/maintain-sewer-line). For more information on recycling resources in the community, visit [www.dgsd.org/external-resources](http://www.dgsd.org/external-resources).



## BIOSOLIDS DISTRIBUTION PROGRAM

The District generates Class A biosolids as a byproduct of the treatment process. This product is a high quality fertilizer recommended for use in flower beds, lawns, shrubs, hedges, and other landscaping and is available to the public FREE of charge. Biosolids are available for pickup at our pickup station or by delivery in larger quantities. A brochure is enclosed with more information or you can visit [www.dgsd.org/biosolids](http://www.dgsd.org/biosolids) to learn more.

## WATERSHED CONSORTIUM

The District is a founding member and active participant in the DuPage River Salt Creek Workgroup. The Workgroup is a consortium of local governments dedicated to managing the valuable stream resources of the East and West Branches of the DuPage River and Salt Creek. The Workgroup conducts state-of-the-art monitoring of stream biology, chemistry and habitat, using the data to promote projects and activities to cost-effectively restore these urbanized streams for their intended uses. For more information, visit [www.drscw.org](http://www.drscw.org).

The Downers Grove Sanitary District is a separate unit of local government that provides sanitary sewerage service for you. We operate independently from your city or village. Our Board of Trustees meets monthly at the District office. These evening meetings are open to the public and include an opportunity for public comment. The District continues to evaluate and improve the transparency of its operations through increased reporting to the state and county, and provides extensive information on the District website.

We hope that you will attend the Wastewater Treatment Center Open House on Saturday, October 5, 2019, from 9 a.m. to noon. If you have any questions regarding any of the information in this newsletter or would like to learn more about the District, please call the District office at 630-969-0664 or visit our website at [www.dgsd.org](http://www.dgsd.org).

**BOARD OF TRUSTEES**  
**DOWNERS GROVE SANITARY DISTRICT**



CELEBRATE OUR **30<sup>th</sup>**  
**OPEN**  
**HOUSE**

**SATURDAY, OCTOBER 5, 2019 | 9 A.M. TO NOON**

Downers Grove Sanitary District - Wastewater Treatment Center  
5003 Walnut Ave., Downers Grove (3 blocks north of Maple Ave.)

*See firsthand how your local wastewater treatment plant operates!*  
*All are welcome. Admission is free!*

For more information, call **630-969-0664** or visit **[www.dgsd.org](http://www.dgsd.org)**.

Are You Interested in a Program that  
Provides these Benefits?

- Lower Fertilizer Costs for Your Landscaping
- Greener, More Prolific Lawns, Flowers, Shrubs and Trees
- Less Need for Watering in the Summer
- Greater Soil Volume on Your Property
- Helping the Environment
- Helping To Keep Your Utility Costs Down

If so, then you are interested in the  
Biosolids Distribution Program at the  
Downers Grove Sanitary District.

# Downers Grove Sanitary District

*Providing a Better Environment  
for South Central DuPage County*

For more information, visit our office:

2710 Curtiss Street  
Downers Grove, IL 60515

Call us at 630-969-0664 or  
visit our website at [www.dgsd.org](http://www.dgsd.org)

Biosolids delivery recipients (3-yard  
minimum) who are also our sewer customers  
are eligible for a once-per-year \$5 credit on  
their sewer bill.

Our normal business hours are  
8 a.m. to 4:30 p.m., Monday-Friday

*Rev. 04/18*

# BIOSOLIDS DISTRIBUTION

*Homeowners Information Brochure*

## Downers Grove Sanitary District



## ***HOW ARE THESE BENEFITS ACHIEVED?***

The Downers Grove Sanitary District treats much of the municipal wastewater from the Villages of Downers Grove and Westmont, and a small surrounding area.

We make a soil supplement material as the by-product of the wastewater treatment process. Our unique stabilization process creates a material that has been used for decades by local residents, landscaping contractors, municipalities, and State government agencies.

The material looks like black dirt, but has a softer consistency, carries a high fertilizer value, and retains more water than typical black dirt. Use of this material as a top dressing helps create a lush green lawn, and gives flowers, shrubs, and trees an excellent source of essential nutrients while providing the water-retention properties of mulch.

By giving away this material for beneficial use, we are freeing valuable landfill space and controlling escalating transportation costs, helping to preserve our land and energy resources.

## ***HOW DO I GET SOME?***

You can come and pick it up, or we'll deliver it to you.

Either way, it's **FREE**.

Our pick-up station is located on Curtiss Street, near Katrine Avenue (about ½ mile west of Belmont Road). The Village of Downers Grove also has woodchips available for pickup only (no deliveries). Take as much as you can use!



We are happy to deliver loads of biosolids that are 3 cubic yards and larger. This is enough to cover a lawn approximately 100 feet by 100 feet.



Call us at 630-969-0664 to arrange for a delivery today. Our office hours are 8 a.m. to 4:30 p.m. weekdays.

## ***FREQUENTLY ASKED QUESTIONS:***

*How much is 3 cubic yards?*

Three cubic yards will fill about twenty 30-gallon garbage cans.

*How far do you deliver?*

We deliver to the area bounded by I-55 on the south, Roosevelt Road on the north, Route 83 on the east, and Naper Boulevard on the west.

*Can I use Biosolids to fill in or build up a low area on my property?*

We recommend that biosolids be mixed half and half with a suitable fill material, such as black dirt, prior to use as a fill material.

*Can I use Biosolids on my vegetable garden?*

At this point in time, the District is recommending that biosolids be used for landscaping purposes only. We do not recommend that it be used for growing edible crops.

*Will my lawn be safe for children and pets?*

Use the same precautions that you would follow with any other fertilizer product. For a general application to your lawn, a good rule of thumb would be to wait for at least one rainfall.

## EasyPay Authorization & Information

I authorize the District to deduct my sanitary sewer user bill by electronically deducting each payment from my checking account. I agree that each payment shall be the same as if it were an instrument personally signed and authorized by me. I understand that each payment shall be electronically deducted from my checking account three business days or less before the due date of the bill. **This authority is to remain in effect until revoked by me in writing.**

**I understand that my enrollment in this plan will be confirmed when I first receive a bill with the words "EasyPay DO NOT PAY."** I agree to notify the District before moving to arrange for final billing and/or if I will be changing or closing the bank account being used.

I may stop payment of a charge or update my account information by notifying the District a minimum of **ten** business days **prior** to the due date on my bill. I understand that the District and the named financial institution reserve the right to terminate this electronic deduction or my participation at any time at their discretion. I agree to release the Downers Grove Sanitary District from any and all damages resulting from or in connection with my participation in the EasyPay Program.

*Rev. 04/19*

**IF POSSIBLE, PLEASE ATTACH A VOIDED CHECK FOR ACCURACY**

\_\_\_\_\_  
Name(s) on Sewer Bill

\_\_\_\_\_  
Sanitary District Account Number

\_\_\_\_\_  
Bank Name

\_\_\_\_\_  
Name(s) on Checking Account

\_\_\_\_\_  
Bank Routing Number

\_\_\_\_\_  
Checking Account Number

\_\_\_\_\_  
Daytime Telephone Number

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

*EXISTING EasyPay CUSTOMERS – Please indicate effective date of the above changes: \_\_\_\_/\_\_\_\_/\_\_\_\_.  
Changes/cancellations – 10 day notice*

Return completed form to: Downers Grove Sanitary District  
2710 Curtiss Street, P.O. Box 1412, Downers Grove, IL 60515

Or online registration available at [www.dgsd.org/pay-your-bill/easypay-form](http://www.dgsd.org/pay-your-bill/easypay-form).



*Register today!*

.....

# **ONLINE BILLING PORTAL**

The Online Billing Portal offers the following benefits:

- View your bill and get email reminders for free
- Access and pay your sewer bill online, at your convenience
- Pay with credit or debit card (up to \$150) or electronic check (fees apply)
- Receive online payment confirmations and notices
- Sign up to go paperless with e-billing

VISIT [WWW.DGSD.ORG](http://WWW.DGSD.ORG)



**DOWNERS GROVE SANITARY DISTRICT  
M E M O**

To: Board of Trustees

From: Ted Cherwak, Sewer Construction Supervisor

Date: April 9, 2019

Subject: **Unsewered Area Plan Annual Update for 2019**

The District's Unsewered Area Plan serves as the District's planning document for new public sewer main construction. The authority to establish such a planning document is prescribed by State Statute in the Sanitary District Act of 1917. Since 2006, when the initial plan was drafted, the District has done an annual update of the plan.

This year's annual update to the District's Unsewered Area Plan has been completed by Baxter and Woodman and District staff. The changes to the plan typically include new construction projects and changes in the construction cost index. See the attached letter dated April 5, 2019 from Shane M. Firsching at Baxter and Woodman for a more detailed review of this year's changes. This year's revision only covers the cost estimate as there were no sewer constructed that effected the plan. The revised plan is attached for your review. Upon Board approval the document will placed on the District's website.

This annual update to the Unsewered Area Plan will be presented to the Board for approval at the April 16, 2019 Board Meeting.

As is our practice, we will review and update the plan again next spring.

CC: KJR, RTJ, MJS, NJM, WCC & MGP



April 5, 2019

Mr. Ted Cherwak  
Downers Grove Sanitary District  
2710 Curtiss Street  
Downers Grove, Illinois 60515

***Subject: Downers Grove Sanitary District – Unsewered Area Plan Update***

Dear Mr. Cherwak:

The District typically completes an annual update to the Unsewered Area Plan (UAP) to reflect new sewer construction and changes in construction costs. The original plan was completed in December 2006 and last revised in March 2018. Since the last update, no new sewer construction has occurred, but the construction cost index has increased.

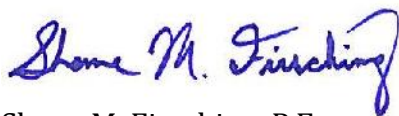
We have completed the following modifications:

1. Evaluated unit prices using changes in the construction cost index and recent bidding trends to estimate the projected costs in 2019. The construction cost index increased since the last UAP update in March 2018, and current bidding trends show support of this construction cost index increase. Therefore, the 2018 unit prices were increased by 2.45 percent to reflect 2019 construction costs.

We trust this information serves your needs at this time. Please call me if you have any questions.

Sincerely,

BAXTER & WOODMAN, INC.  
CONSULTING ENGINEERS



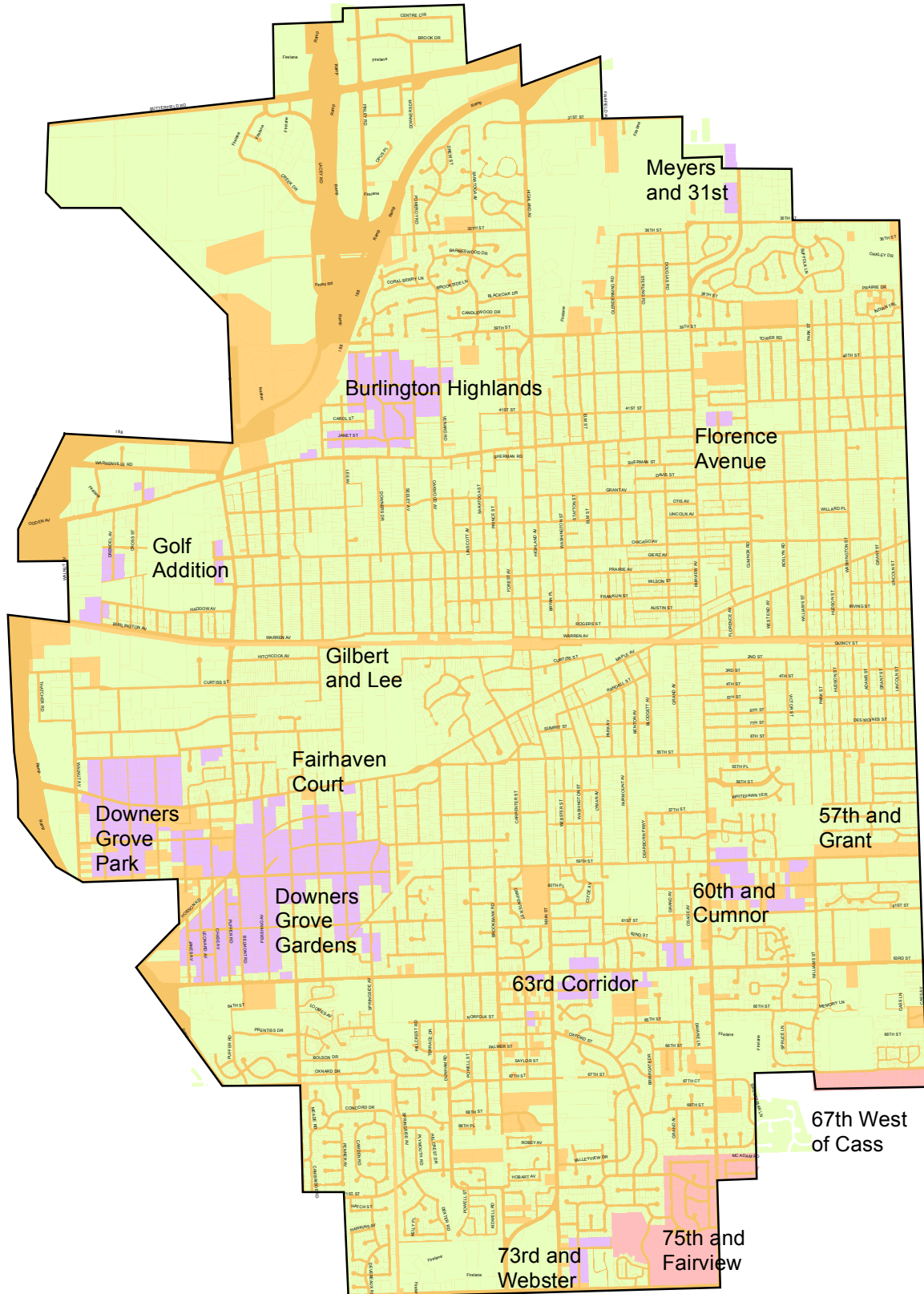
Shane M. Firsching, P.E.

SMF:jmc

C: Nicholas Menninga, P.E., Downers Grove Sanitary District

# Downers Grove Sanitary District Unsewered Area Plan

MARCH 2019



# **Downers Grove Sanitary District**

## **Unsewered Area Plan**

**March 2019**

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## 1. Introduction

The ultimate service area of the Downers Grove Sanitary District (District) is defined by the Facility Planning Area (FPA) boundary. The District is responsible for planning sewer service for all property within its FPA. Currently, a majority of the area within the FPA is annexed to the District and receives sewer service. There are a few areas in the FPA served by septic systems that are not annexed into the District, and are therefore considered “unsewered.” This report is intended to identify plans for the installation of the sewer system improvements needed to serve unsewered areas within the FPA, and to identify the process for obtaining service in unsewered areas.

The Sanitary District Act of 1917 (ILCS 2405/7.6) allows for the orderly planning for and establishment of general and specific locations for all conduits, pipes and pumping stations. Under this statute, the District is not obligated to accept or maintain facilities not built in accordance with this plan. This report is intended to serve as the plan described in this statute.

The Federal Water Pollution Control Act Amendments, Public Law 92-500, include provisions for the establishment of state and areawide water quality planning programs to coordinate pollution control decisions and to implement feasible methods to achieve clean water over the long term. Section 208(a) (2) of the Clean Water Act directs that: “The Governor of each State ... shall identify each area within the State which, as a result of urban-industrial concentrations or other factors, has substantial water quality control problems...” This language led to the establishment of Facility Planning Areas (FPAs) as a key element of this Areawide Water Quality Management Plan. A Facility Planning Area (FPA) is defined as "a centralized sewer service area to be considered for possible wastewater treatment facilities within a 20-year planning period." FPAs provide individual jurisdictions with a means of planning and cooperation to provide service to residents.

The State of Illinois has identified the District as the responsible local wastewater treatment authority for the Facility Planning Area, shown on Exhibit 1.

As part of a major metropolitan area, the District FPA is completely surrounded by other designated Facility Planning Areas. There is little opportunity for the FPA boundaries to be changed. However, there are occasions when sewer users along the FPA boundary are more easily served by the designated wastewater authority of an adjacent FPA. In such cases, the two authorities can typically reach an agreement to provide service without altering the FPA boundaries, or can agree to FPA boundary changes.

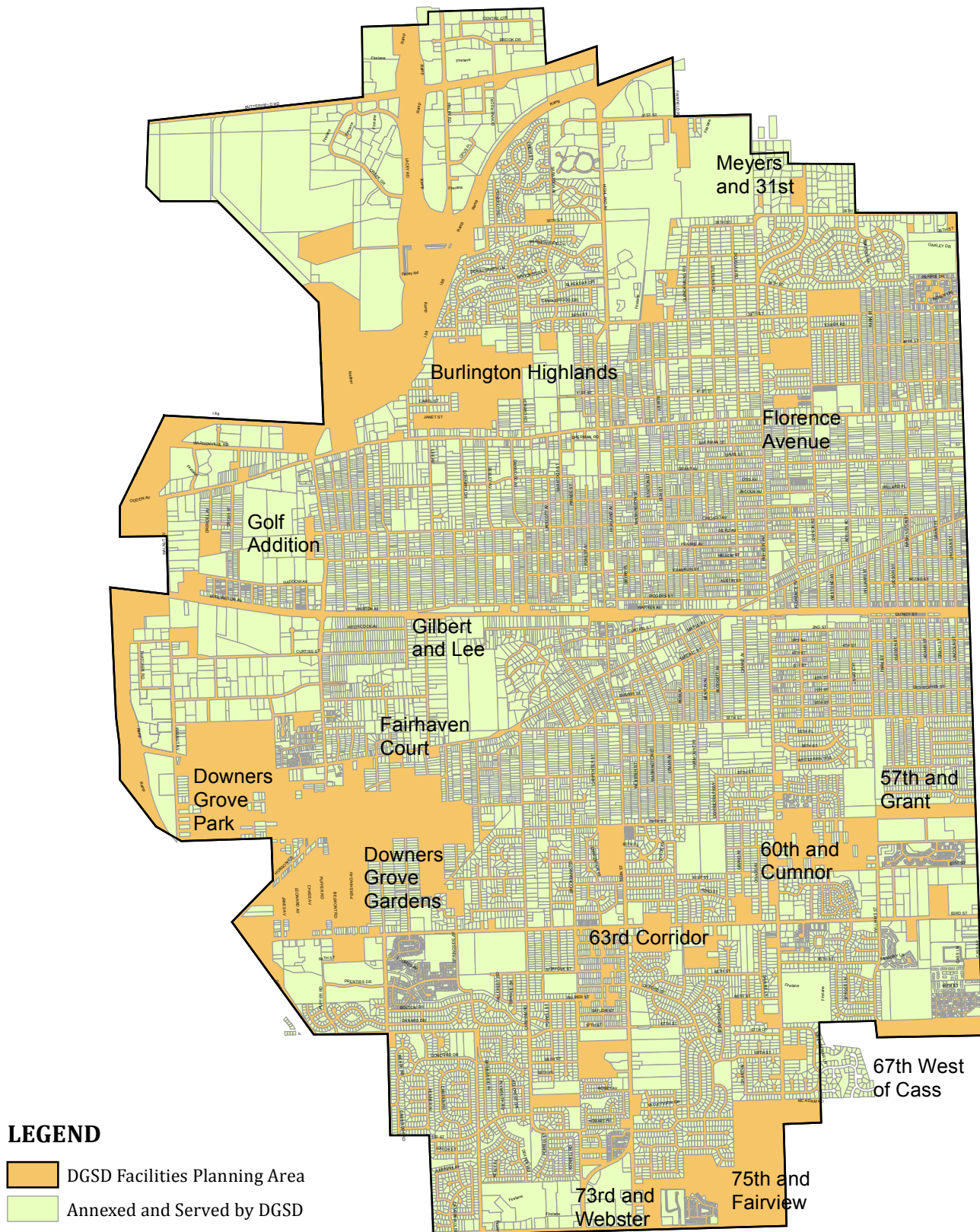
There are sewer users within the District FPA that are served by neighboring designated FPA authorities. These sewer users are located in the 75th and Fairview area and the area along 67th west of Cass, shown on Exhibit 2, which are served by DuPage County Public Works (Marianbrook FPA).

If FPA boundaries require adjustment for any reason, the State of Illinois has designated the Chicago Metropolitan Agency for Planning (CMAP) as the water-quality planning agency for the region. CMAP functions in an advisory role, reviewing applications and conducting administrative hearings, with the Illinois EPA retaining final approval over FPA boundary modifications.

# Downers Grove Sanitary District Unsewered Area Plan

EXHIBIT 1

MARCH 2019



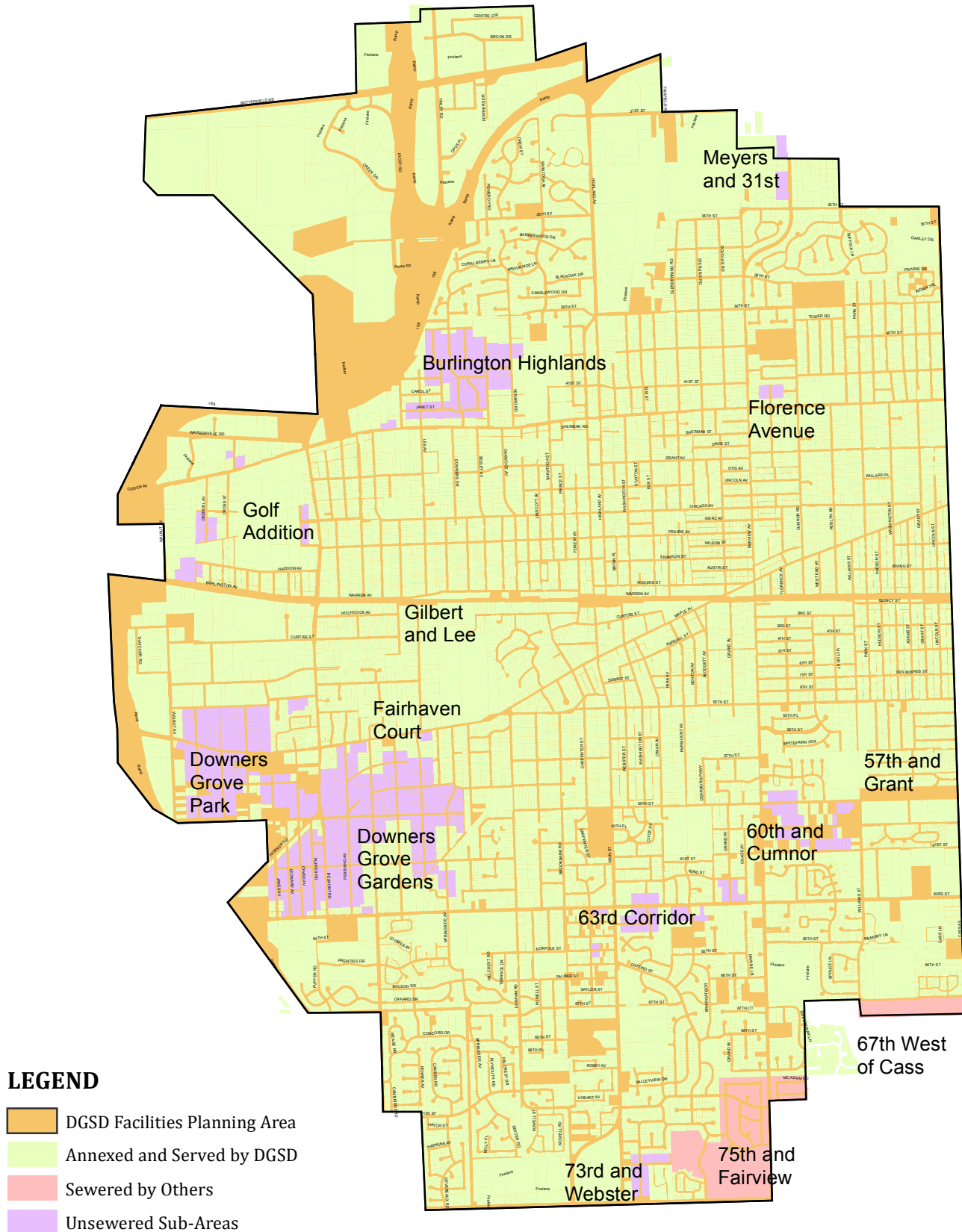
Facilities Planning Area Boundary Map  
Based on Chicago Metropolitan Agency for Planning  
FPA Boundary Map of December, 2005



# Downers Grove Sanitary District Unsewered Area Plan

EXHIBIT 2

MARCH 2019



Facilities Planning Area Boundary Map  
Based on Chicago Metropolitan Agency for Planning  
FPA Boundary Map of December, 2005

## 2. Existing Service Area

The existing service area of the District is smaller than the designated FPA. There are numerous properties within the FPA that do not receive sewer service, and are therefore not part of the existing service area.

The existing service area boundary is updated whenever a new property parcel is annexed into the District. Each annexation is filed with the County Clerk's office, at which time the service area boundary change becomes effective. Exhibit 1 shows the properties within the service area boundary, effective in the fourth quarter of 2005.

Property within the service area is subject to the property tax levy of the District. Property connected to the sewer also receives regular sewer use bills.

Property owners desiring sewer service are required to follow the rules defined by District ordinances and other applicable laws. Application for annexation is followed by construction of any necessary public sewer, and a building sewer connection to connect the improvements on the property to the public sewer. All construction is required to meet District standards, subject to review and inspection by District personnel.

In order to be annexed, a property owner must submit a completed Annexation Application Form. Under State law, property within the District service area must be contiguous.

Where property being annexed is not adjacent to an existing public sewer, a sewer extension must be constructed. Sewer extensions need to be constructed so that they are fully functional when newly built, and can accommodate anticipated future development of adjacent unsewered areas in the FPA.

Sewer extensions are required to meet District standards, subject to review and inspection by District personnel. Sewer extensions must be permitted for construction by the Illinois EPA.

In order to construct a sewer extension, an applicant must submit a completed Sanitary Sewer Service Request. The request must be approved by the Board of Local Improvements prior to proceeding to implementation.

The District will review engineering plans and specifications, prior to the permitting process by the Illinois EPA. Construction permit applications submitted to the Illinois EPA must be signed by the District as the authority receiving the wastewater. The District is thereby certifying that there is adequate downstream capacity to transport and treat all sanitary flows from the area being served by the sewer extension. The District will conduct inspections and require testing during and following construction in order to verify compliance with standards.

Fees are assessed for sewer permits, annexation applications, trunk sewer service charges, lateral sewer charges, recapture, plan reviews, construction inspection, and television inspection. These fees are updated periodically, and applied according to the requirements of District ordinances.

The District requires that sewer extensions be built according to this Unsewered Area Plan in order to allow for orderly and cost-effective construction, and so that capacity is available for anticipated future growth in remaining unsewered areas. This plan is updated from time to time, as projections for future development, zoning and growth may change over time.

### 3. Methods of Obtaining Service in Unsewered Areas

There are four available methods to finance the installation of sanitary sewers in an unsewered area - special assessment, construction by private party, cash plan, or special service area. Each method is discussed in detail below.

#### 3.1 Special Assessment

The Statutes of the State of Illinois set forth a special assessment procedure whereby the District may construct sanitary sewers and assess the costs of the sewers against adjacent property to the extent the property is benefited. In order to utilize the special assessment procedure, the property to be benefited and assessed must be within District corporate limits. The procedure for annexing property to the District and the steps involved in a special assessment are discussed separately below.

##### 3.1.1 Annexation

Property can be annexed into the District in one of two ways – by an election or by petition of a majority of land owners.

3.1.1.1 Upon the submittal to the District of a petition signed by ten percent or more of the legal voters residing within the area to be annexed, an election will be held at a regularly scheduled general election. The question to be submitted to the legal voters shall be whether the designated area should become a part of the District and assume a proportionate share of any bonded indebtedness of the district. If a majority of the votes cast at the election shall be in favor, the area shall be annexed.

3.1.1.2 Upon submittal of a petition to the District which has been signed by the owners of more than 50% of the land area of the designated area, the area shall be annexed. The District will provide the appropriate petition forms upon request. Annexation to the District does not involve annexation into a city or village.

##### 3.1.2 Special Assessment Procedure

The District Board of Local Improvements originates the procedures for levying the special assessment, and property owners who wish a local improvement to be made on or adjacent to their property should petition this Board. For areas recently annexed by election or by majority petition, as discussed above, the Board of Local Improvements will generally initiate the special assessment procedure immediately following the annexation of the area to the District.

The following list is for general informational purposes only and merely highlights the various steps typically involved in a special assessment. This list should not be relied upon as conclusive since the steps actually followed in an individual special assessment will depend upon various circumstances, including the nature and extent of the improvement, as set forth in more detail in the state statutes and in the relevant case law.

3.1.2.1 Engineer's Report: At the request of the Board of Local Improvements, the plans for the local improvement project, including an estimate of costs thereof, are prepared by the engineer.



- 3.1.2.2 Estimate of Cost: This estimate lists the expenses involved in the local improvement and is signed by the President of the Board after determining that the estimate does not exceed the probable costs.
- 3.1.2.3 Originating Resolution: Board of Local Improvements outlines the improvement and orders a public hearing on the project.
- 3.1.2.4 Notice of Public Hearing: Persons who paid the last tax bill on the property to be assessed receive notice of the public hearing.
- 3.1.2.5 Public Hearing: A general description of the improvement is given to the public at the hearing and they are allowed to express their opinions and ask questions. The District attempts to provide a preliminary and unofficial spread of the assessment so that each property owner may then compute for himself an estimate of the amount to be levied against his property.
- 3.1.2.6 Second Resolution: Board of Local Improvements decides whether to continue, modify, or abandon the local improvement project.
- 3.1.2.7 Recommendation of Board of Local Improvements: If continued or modified, the improvement is recommended to the District Board of Trustees with a draft ordinance which shall be published at least 10 days prior to adoption.
- 3.1.2.8 Ordinance: The Board of Trustees decides whether to proceed with the special assessment by passing said ordinance.
- 3.1.2.9 Court Petition: District petitions the court for approval of the special assessment.
- 3.1.2.10 Appointment of Commissioners: President of Board of Local Improvements appoints commissioners to spread the assessment according to benefit, and to determine damages for any takings. This appointment is subject to approval by the court.
- 3.1.2.11 Assessment Roll: This roll, submitted by the Commissioners, lists the amounts proposed to be assessed against the individual parcels of property and just compensation for any takings (easements).
- 3.1.2.12 Summons: When takings are involved, a summons shall be issued and served upon all parties whose property is to be taken.
- 3.1.2.13 Notice of Court Hearing: Notice of a court hearing is published and mailed to the persons who paid the last tax bill on the property to be assessed.
- 3.1.2.14 Court Hearing: At a hearing before the court, any person owning or occupying property to be assessed or taken may file objections.
- 3.1.2.15 Order of Confirmation: After hearing any objections, the court rules on the assessment roll. Shortly thereafter, those property owners whose property is to be taken shall receive just compensation as determined by the Court.

- 3.1.2.16 Bills Issued: Property owners are sent bills based on the amount confirmed against their property in the earlier court hearing. The assessment will be billed in approximately equal installments over ten years. All installments will be due on January 2 of each year. A property owner who wishes to avoid being charged interest on his assessment can pay his entire assessment prior to the date when interest begins to accrue.
- 3.1.2.17 Invitation for Bids: Board of Local Improvements invites contractors to bid on the construction of the project.
- 3.1.2.18 Opening of Bids: The sealed bids of the contractors are opened publicly. Property owners have the right to do the work under certain conditions.
- 3.1.2.19 Award of Contract: The Board of Local Improvements accepts the lowest responsible bid or rejects all bids. If the bid to be approved is 10% more than the engineer's estimate, further legal proceedings must be undertaken and a supplemental assessment made. Following the award of a contract, construction begins.

### 3.2 Construction by Private Party

A private party may construct a sewer to be dedicated to the District as a public sewer. The private party is responsible for engineering, permitting, and construction of the improvement. The statute (ILCS 2405/7.7) allows for (but does not require) the recapture of costs from other properties benefited by the privately funded improvement.

If property owners along the sewer did not participate in the cost of the improvement, the District may provide a recapture agreement to assess such owners their prorated share of the costs of the sewer upon application to connect. The private party must submit paid copies of all costs of the project in a timely manner, and indicate which undisputed individuals are to receive the recapture payments.

Property owners desiring to connect to the newly constructed sewer must apply for a connection permit and must comply with all District requirements, including annexation to the District and payment of all District fees and charges.

### 3.3 Cash Plan

The residents of a given street may choose between two methods of constructing a sanitary sewer under a cash plan. Under the first method, the residents form a non-profit organization to administer the construction project, dealing directly with an engineer, a contractor, the District and a bank. Under the second method, the residents contract with the District to administer the project on their behalf. An outline of the steps to be taken under each method is presented below:

#### 3.3.1 Cash Plan – Non-Profit Organization

- 3.3.1.1 The residents of a given street desiring to construct a sanitary sewer should first form a non-profit organization (for example – "Smith Avenue Improvement Association"). It is recommended that an attorney be consulted in order to properly establish the organization.

- 3.3.1.2 Officers should be selected, or a governing committee should be selected, to represent the property owners in future dealings with the District, contractors, engineers, etc.
- 3.3.1.3 After the organization has been formed and there is sufficient interest in the project, the officers should retain a registered engineer who is experienced in the design and construction of sanitary sewers.
- 3.3.1.4 The committee should authorize the engineer to prepare a preliminary estimate of cost of the proposed project. This preliminary estimate of cost can be prepared for a nominal fee. It would require the engineer to make a reconnaissance of the area, determine construction conditions in the area and generally look over the area to arrive at the preliminary estimate of cost. The committee should be prepared to supply the engineer with all available information, i.e. limits of the proposed improvement, number of homes, legal descriptions for area involved, etc.
- 3.3.1.5 Upon receipt of the cost estimate, the committee should then call a meeting of all property owners on the street. The estimated cost and other information can then be explained to the property owners.
- 3.3.1.6 If a sufficient number of property owners are in favor of proceeding with the project, the officers should then establish an escrow fund at one of the local banks.
- 3.3.1.7 Following the establishment of an escrow fund, the property owners should be instructed to deposit their pro-rated share of the project into the fund. Ultimately 100% participation will be required by the property owners. If 100% participation is not obtained, the cost of the non-participants will have to be borne by the remaining owners.
- 3.3.1.8 After approximately 50% of the total cost of the project has been deposited in the escrow account, the organization should then authorize the engineers to proceed with the preparation of final plans and specifications.
- 3.3.1.9 Four (4) copies of the completed plans and specifications must be submitted to the District for review and approval. Following District approval, two (2) sets of plans and specifications will be submitted by the District to the Illinois Environmental Protection Agency for review and issuance of the required permit. It is recommended that the plans not be released for bidding until District approval has been received. Construction of the sewer may not begin until the Illinois Environmental Protection Agency permit is received.
- 3.3.1.10 After approximately 80% of the necessary funds are deposited in the escrow account and the organization is assured that the remaining 20% will be deposited prior to the completion of the project, the engineers should then be authorized to solicit bids from contractors.
- 3.3.1.11 It is suggested that bids be opened at a joint meeting of the bidders, the engineer and organization officers. A contract is then awarded by the organization to the selected contractor.
- 3.3.1.12 The organization will be responsible, through the engineer, to monitor the sewer construction.

- 3.3.1.13 Payments to the contractor and the engineer shall be made from the escrow fund as authorized by the organization officers.
- 3.3.1.14 Following completion of the sewer, the District will prepare an agreement to be signed by the representatives of the organization. This agreement will assign the ownership of the sewer to the District and the District will agree to operate and maintain the sewer following acceptance.
- 3.3.1.15 If any of the property owners along the sewer did not participate in the cost of the improvement, the District will provide a recapture agreement to assess such owners their prorated share of the costs of the sewer upon application to connect. The organization officers must submit paid copies of all costs of the project and indicate which individuals are to receive recapture payments.
- 3.3.1.16 Property owners desiring to connect to the newly constructed sewer must apply for a connection permit and must comply with all District requirements, including annexation to the District and payment of all District fees and charges.

### 3.3.2 Contract with Sanitary District

Under the second cash plan method, the residents of the given street enter into an agreement with the District to construct the sewer. The District then administers the project and deals with the engineer and contractors. The following steps are required under this method:

- 3.3.2.1 The District provides an agreement for execution by each property owner who desires to participate in the sewer construction. This agreement will indicate the deposit required of each participating owner, authorize the District to prepare plans and specifications, advertise for bids, publicly open bids, award the contract to the lowest responsible bidder, proceed to construct the sewer, and establish a recapture fee to be assessed against any property along the route of the sewer which did not participate in the cost of the sewer.
- 3.3.2.2 Property owners desiring to connect to the newly constructed sewer must apply for a connection permit and must comply with all District requirements, including annexation to the District and payment of all District fees and charges.

### 3.4 Special Service Area

The Statutes of the State of Illinois set forth a special service area procedure whereby the District may construct sanitary sewers and assess the costs of the sewers against benefited property as a levy of an additional real estate or other tax for special services that are not available to other properties within the District. In order to utilize the special service area procedure, the property to be benefited and assessed must be within the corporate limits of the District. The procedure for annexing property to the District is discussed under Section 3.1.1.

The District has not utilized the special service area procedure to finance the installation of sanitary sewers and prefers the special assessment procedure as a more equitable method of financing such installations.

#### 4. Unsewered Sub-Areas

The needs of different unsewered areas vary, depending on local conditions. The District has delineated a number of distinct sub-areas, and developed sewer plans according to the specific circumstances of each sub-area. Exhibit 2 shows these unsewered sub-areas. These sub-areas are listed as follows:

- 73rd and Webster
- Downers Grove Park
- Downers Grove Gardens
- Fairhaven Court
- Burlington Highlands
- Golf Addition
- Florence Avenue
- Meyers and 31st
- 57th and Grant
- 60th and Cumnor
- 63rd Street Corridor
- Gilbert and Lee

*(Sanitary sewers are available as of March 2015.)*

Planning elements that have been considered in each sub-area include existing development and associated population density, zoning and associated density for undeveloped property, local topography, and existing nearby sewers. A planned sewer system layout is developed to provide sewer service for the entire sub-area. Sewer system layout includes routing and depth information, as needed to verify capacity and to estimate costs. Manhole spacing has been established assuming the entire sub-area were sewered as a single project. Actual manhole spacing can be adjusted to accommodate specific projects within any sub-area. With this flexibility in mind, construction of sewer extensions in the unsewered area is expected to be consistent with the planned sewer system lay-out.

For each planned sewer system addition, estimates of probable construction costs have been made. Estimates are based on unit quantities developed by the District. Unit prices are applied to these unit quantities. Estimates are updated periodically to reflect changes in unit pricing over time. Unit pricing is derived using recent unit prices from similar construction projects. The intent of the District is to update the unit price costs each calendar year using unit prices from recent projects and future industry projections. This report uses projected unit prices for the year 2019.

Every unsewered parcel has an associated sewer construction project that is necessary as the minimal project needed to obtain service. The project includes all downstream construction required to connect the parcel to the existing sewer according to this plan.

Specific sub-areas are identified and discussed here in detail. Preliminary plans were previously prepared for many unsewered areas. Historically, this was done on an as-needed basis as interest in obtaining sewer service is shown in individual unsewered areas. These preliminary plans were updated and included in this report, as well as new preliminary plans for sub-areas that were not investigated previously. Thus, this report contains a comprehensive summary of all the preliminary plans to provide sewer to all unsewered areas within the District FPA.

## 4.1 73<sup>rd</sup> and Webster

The unsewered area at 73<sup>rd</sup> Street and Webster Street includes 25 lots that are already developed as single family residential, 9 facing 73<sup>rd</sup> Street along the north side, and 16 facing Webster directly south of 73<sup>rd</sup> Street. A map of the area is included in Exhibit 4.1.

The area can be served from four existing locations: a new manhole on the existing sewer on 75<sup>th</sup> Street at Webster Street, an existing manhole on the west side of Main Street at 73<sup>rd</sup> Street, an existing manhole located on Webster Street just south of Old Orchard Avenue, and/or an existing sewer at Baybury Road and 73<sup>rd</sup>.

Another component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the 73<sup>rd</sup> and Webster sub-area.

Several options were considered when determining the cost-effective sewer layout to serve this area. Ground surface contours and major road crossings play a key role in development of the cost-effective sewer layout.

The low-cost layout generally follows the existing ground contours, while minimizing the number of road crossings. A deep cut is avoided in the hill along Webster by serving the homes along Webster with a southward-running sewer segment. The homes along 73<sup>rd</sup> are best served from the manhole to the north, to avoid a crossing at Main Street. The manhole at Baybury and 73<sup>rd</sup> is too shallow to serve the homes at the western edge of the service area.

A summary of the manhole and sewer layout are provided in Table 4.1-1.

Table 4.1-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$888,400, including contingency, engineering, easements, and legal/administrative costs. Some easement acquisition is required along 73<sup>rd</sup> street to avoid the nearby water main.

DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

EXHIBIT 4.1  
73rd AND WEBSTER  
POSSIBLE SEWER ALIGNMENT

MARCH 2019

LEGEND

- PROPOSED MANHOLES
- PROPOSED SEWERS
- EXISTING MANHOLES
- EXISTING SEWERS
- PARCEL BOUNDARIES
- 73RD AND WEBSTER

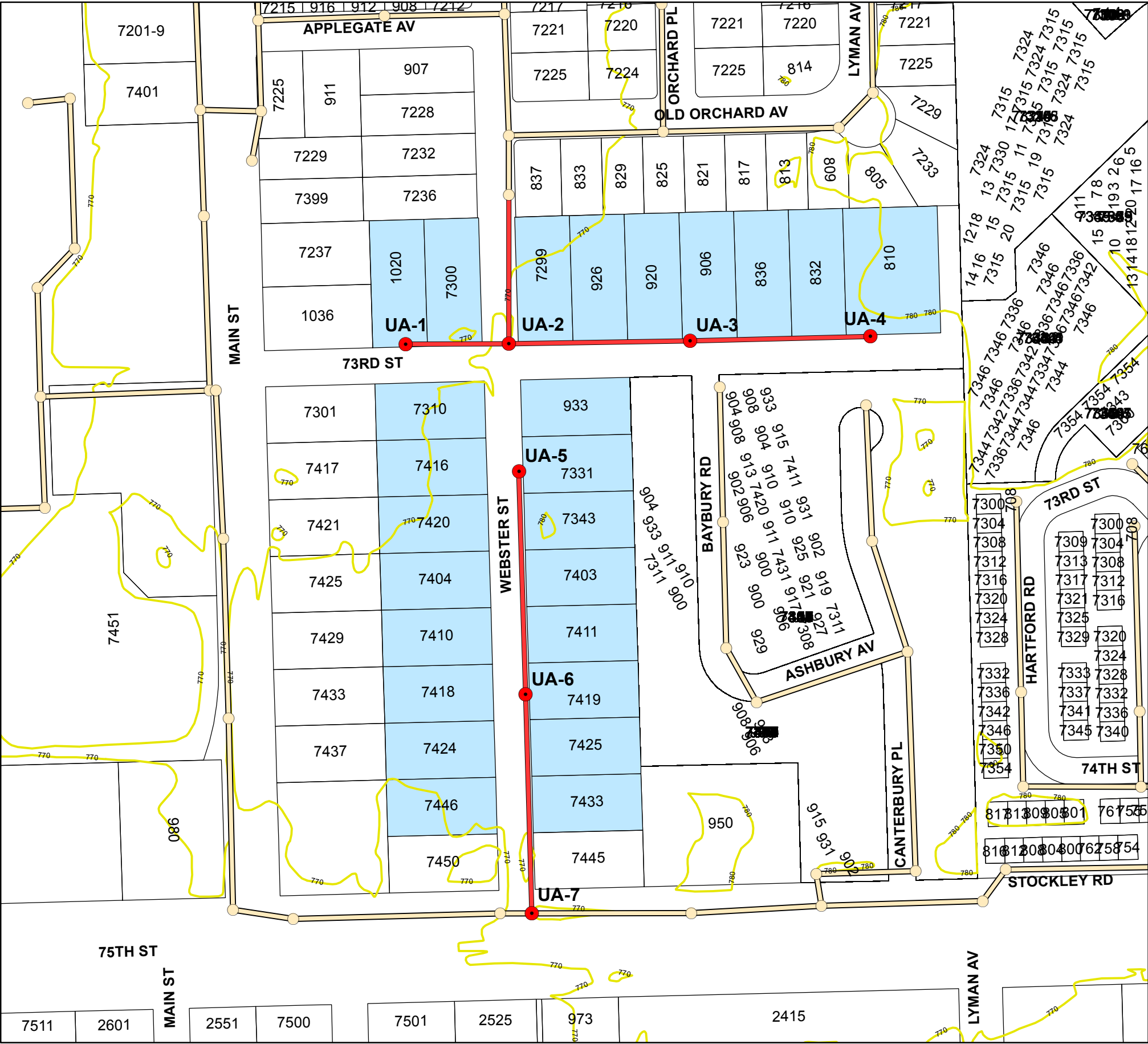
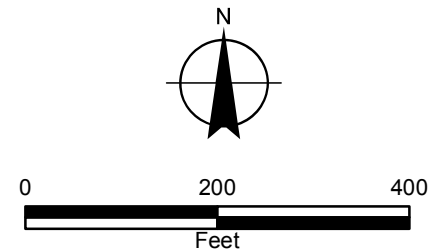


Table 4.1-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**73rd and Webster**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>73rd Street</u>					
H-7-9-42 (existing)	765.3	755.09			10.2
UA-2	771.8	759.74	310	1.50%	12.1
UA-3	775.5	764.99	350	1.50%	10.5
UA-4	777.5	766.35	340	0.40%	11.2
UA-1	768.5	760.54	200	0.40%	8.0
<u>Webster Street</u>					
UA-7	770.7	760.77			9.9
UA-6	774.3	763.97	400	0.80%	10.3
UA-5	776.0	767.17	400	0.80%	8.8



Table 4.1-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**73rd and Webster**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	2,000	lin. ft.	\$ 85.00	\$ 170,000.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	7	each	\$ 6,200.00	\$ 43,400.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	1,097	lin. ft.	\$ 110.00	\$ 120,670.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	2,000	lin. ft.	\$ 2.45	\$ 4,900.00
7	SEWER TESTING FOR FINAL INSPECTION	2,000	lin. ft.	\$ 2.45	\$ 4,900.00
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	108	lin. ft.	\$ 79.00	\$ 8,532.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	2,160	sq.yd.	\$ 13.00	\$ 28,080.00
10	RESTORATION OF STREETS: Bit. Concrete Street	630	sq.yd.	\$ 62.00	\$ 39,060.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	58	sq.yd.	\$ 47.00	\$ 2,726.00
	Concrete	43	sq.yd.	\$ 79.00	\$ 3,397.00
12	REMOVE AND REPLACE SIDEWALK 5-foot PCC	50	sq.ft.	\$ 13.00	\$ 650.00
13	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 648.50
14	EROSION CONTROL			Lump Sum	\$ 972.75

Table 4.1-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**73rd and Webster**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
15	TRAFFIC CONTROL		Lump Sum	\$ 3,242.50
	SUBTOTAL			<u>\$ 442,628.75</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near Side	396 lin. ft.	\$ 48.00	\$ 19,008.00
	Far Side	1,233 lin. ft.	\$ 48.00	\$ 59,184.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	16 each	\$ 540.00	\$ 8,640.00
	Far Side	9 each	\$ 665.00	\$ 5,985.00
3	BUILDING SERVICE PLUGS:	25 each	\$ 203.00	\$ 5,075.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	260 sq.yd.	\$ 12.00	\$ 3,120.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	172 sq.yd.	\$ 61.00	\$ 10,492.00
6	TRENCH BACKFILL			
	0-8 feet deep	295 lin. ft.	\$ 60.00	\$ 17,700.00
	SUBTOTAL			<u>\$ 129,204.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 571,800.00</u>
	Contingencies (20%)			\$114,400.00
	Engineering (20%)			\$114,400.00
	Legal / Admin (6%)			\$48,000.00
	Easement Acquisition			\$39,800.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 888,400.00</b></u>
			Cost per lot	\$35,540.00

## 4.2 Downers Grove Park

Downers Grove Park is a large sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.2, the approximate limits of this sub-area are Elmore Avenue and Inverness Avenue to the north, Walnut Avenue to the west, 59<sup>th</sup> Street to the south, and Belmont Road to the east. The proposed service area includes approximately 196 lots that are mostly developed as single-family residences with septic systems. This evaluation establishes the cost-effective sanitary sewer plan for serving the unsewered properties within the Downers Grove Park sub-area.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The Downers Grove Park sub-area has one major drainage divide running from west to east, just south of Maple Avenue. Serving these properties by following the ground contours will avoid deep cuts through the higher elevations along the drainage divide. Properties north of this divide will generally be served by the existing manhole at Walnut Avenue and Elmore Avenue, the manhole at the intersection of Janes Avenue and Inverness Avenue, the manhole on Inverness west of Belmont, and the manhole on Elinor Avenue just south of Maple Avenue that was recently constructed as part of the Villas of Maple Woods development. Properties south of the drainage divide can be served by the existing sewers on Walnut Avenue, 59<sup>th</sup> Street and Hobson Road. The Walnut Avenue sewer has been extended east to Katrine Avenue to provide a manhole to connect to at Katrine and College Road. The 59<sup>th</sup> Street sewer contains manholes at each cross street to provide connection points for lots along Katrine Avenue, Lomond Avenue, Elinor Avenue and Janes Avenue. The final connection points south of the drainage divide are manholes on Hobson Road at Chase Road and Puffer Road.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The only major road crossing that would significantly increase construction cost in this sub-area is Maple Avenue. Thus, alternatives were considered to minimize crossing Maple Avenue with both the mainline sewer and building services.

The sewer layout also considered the several wetlands that are located within the sub-area at the following locations: Elinor and Inverness, Katrine and 59<sup>th</sup>, and Lomond and 59<sup>th</sup>. Avoiding these wetlands will minimize the time and expense involved in the permitting process for construction in wetlands as well as reduce the costs associated with restoring these areas.

The Village of Downers Grove owns and operates water mains on a majority of the streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Downers Grove Park sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points. The following are the proposed sub-basins:

<u>Sub-basin</u>	<u>No. of Services</u>	<u>Layout</u>	<u>Cost Estimate</u>
Katrine-Maple (North)	25	Table 4.2-1	Table 4.2-2
Inverness-Lomond-Elinor-Maple (North)	72	Table 4.2-3	Table 4.2-4
Inverness-Belmont (North)	6	Table 4.2-5	Table 4.2-6
Katrine-College (South)	27	Table 4.2-7	Table 4.2-8
Lomond-College (South)	29	Table 4.2-9	Table 4.2-10
Elinor-College (South)	9	Table 4.2-11	Table 4.2-12
Janes-College (South)	13	Table 4.2-13	Table 4.2-14
Chase-Hobson-Belmont (South)	15	Table 4.2-15	Table 4.2-16

Table 4.2-17 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.2.

The Katrine-Maple (North) sub-basin sewer plan follows the existing topography which falls from Maple Avenue north to the dead end of Katrine Avenue and west to Walnut Avenue. Our analysis determined that parallel sewers on the north and south sides of Maple Avenue will be less expensive than bringing numerous services across the street. A sewer will serve the homes on the north side of Maple Avenue and will be included in the Katrine-Maple (North) sub-basin. The sewer on the south side of Maple will run east to the adjacent Inverness-Lomond-Elinor-Maple (North) sub-basin at Lomond, which is less expensive than another crossing of Maple Avenue. Table 4.2-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.2-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$838,900, including contingency, engineering, easements, and legal/administrative costs.

The Inverness-Lomond-Elinor-Maple (North) sub-basin sewer plan also follows existing topography from the intersection of Lomond Avenue and Maple Avenue northeast to an existing manhole at Janes Avenue and Inverness Avenue. This sub-basin will include all unsewered properties fronting the south side of Maple Avenue. Two road crossings of Maple are identified to provide flexibility, but only one crossing at Elinor could be utilized if construction phasing allows. The opinion of project cost is \$2,675,800, including contingency, engineering, easements, and legal/administrative costs.

The Inverness-Belmont (North) sub-basin is best served by extending a sewer east from the existing manhole near the intersection of Inverness and Ashbrook. The existing ground slope, which rises from west to east, accommodates the plan for serving this sub-basin. The opinion of project cost is \$174,300, including contingency, engineering, and legal/administrative costs.

The Katrine-College (South) sub-basin sewer plan will follow the drainage divide south to 59<sup>th</sup> Street. The lots south of College Road will be served by the existing manhole at the southern terminus of Katrine, while lots north of College will be served by the existing sewer at the intersection of Katrine and College. This sewer is not the recommended alternative to serve the

south frontage properties along Maple Avenue because of the costly deep cuts needed through the hill south of Maple. The opinion of project cost is \$598,300, including contingency, engineering, and legal/administrative costs.

The Lomond-College (South) sub-basin sewer plan will follow the drainage divide south to 59<sup>th</sup> Street. The sub-basin will be served by a sewer that will extend north from the existing manhole near the creek near the southern terminus of Lomond Avenue at 59<sup>th</sup> Street. This alignment is the most cost effective alternative to serve the area due to the shortest total sewer length and minimizing of utility conflicts. However, the cost per lot is still comparatively larger than for other sub-basins because portions of the sewer will be located in the pavement to avoid the existing water main. The opinion of project cost is \$871,300, including contingency, engineering, and legal/administrative costs.

The Elinor-College (South) sub-basin will be served just as Katrine and Lomond. The ground slope promotes a sewer draining south that will connect to the existing system just north of 59<sup>th</sup> Street. The northerly limit of the sewer is the southern limit of the Villas of Maple Woods Subdivision. The sewer installed as part of that subdivision will serve several properties north of this sub-basin along Elinor. The opinion of project cost is \$368,600, including contingency, engineering, and legal/administrative costs.

The Janes-College (South) sub-basin will also flow south to 59<sup>th</sup> Street. Design drawings for the sewers from 59<sup>th</sup> Street to College and east on College have been reviewed as part of the proposed Robert's and Lisa Marie subdivisions. The design drawings for these subdivisions are consistent with this preliminary sewer plan. This sewer plan is the least costly because it will not contain any deep sections due to the consistent southerly ground slope. The opinion of project cost is \$392,400, including contingency, engineering, and legal/administrative costs.

The Chase-Hobson-Belmont (South) sub-basin is also best served by sanitary sewers draining to the south to match the topography. A sewer should be constructed north along Chase Road from the existing manhole approximately 200 feet north of Hobson. Belmont Road will be served by a sewer that extends north from Hobson and Puffer. A major factor in the higher cost per lot of this sub-basin was the trench backfill and pavement restoration needed along Belmont Road. The opinion of project cost is \$630,900, including contingency, engineering, and legal/administrative costs.

**DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN**

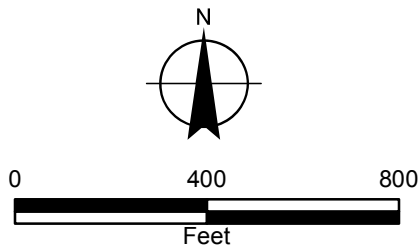
**EXHIBIT 4.2**

**DOWNERS GROVE PARK  
POSSIBLE SEWER ALIGNMENT**

**MARCH 2019**

**LEGEND**

- PROPOSED MANHOLES
- PROPOSED SEWERS
- EXISTING MANHOLES
- EXISTING SEWERS
- PARCEL BOUNDARIES
- KATRINE-MAPLE (NORTH):TABLES 4.2-1, 4.2-2
- INVERNESS-LOMOND-ELINOR-MAPLE (NORTH):TABLES 4.2-3, 4.2-4
- INVERNESS-BELMONT (NORTH):TABLES 4.2-5, 4.2-6
- KATRINE-COLLEGE (SOUTH):TABLES 4.2-7, 4.2-8
- LOMOND-COLLEGE (SOUTH):TABLES 4.2-9, 4.2-10
- ELINOR-COLLEGE (SOUTH):TABLES 4.2-11, 4.2-12
- JANES-COLLEGE (SOUTH):TABLES 4.2-13, 4.2-14
- CHASE-HOBSON-BELMONT (SOUTH):TABLES 4.2-15, 4.2-16



**BAXTER & WOODMAN**  
Consulting Engineers

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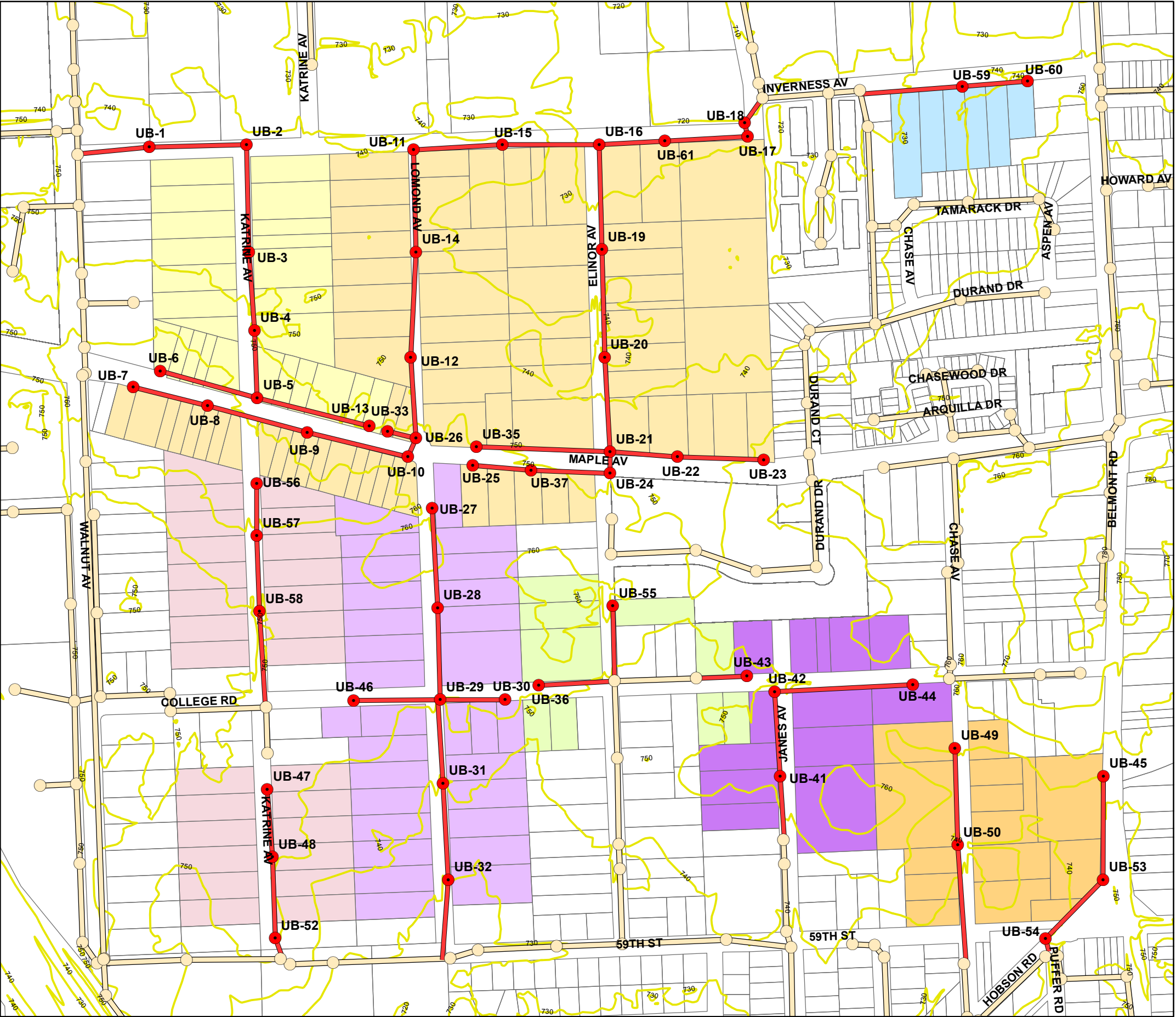


Table 4.2-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-Maple (North)**  
**Preliminary Design**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Katrine Avenue</u>					
3-A-23 (existing)	748.1	732.36			15.7
UB-1	741.0	734.91	255	1.00%	6.1
UB-2	742.0	736.29	346	0.40%	5.7
UB-3	746.3	737.89	400	0.40%	8.4
UB-4	749.5	739.09	300	0.40%	10.4
UB-5	757.3	740.19	275	0.40%	17.1
<u>Maple Avenue</u>					
UB-13	749.0	741.87	420	0.40%	7.1
UB-6	756.0	747.79	380	2.00%	8.2

Table 4.2-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 0-8 feet deep	270 lin. ft.	\$ 73.00	\$ 19,710.00
	8-12 feet deep	996 lin. ft.	\$ 85.00	\$ 84,660.00
	12-16 feet deep	705 lin. ft.	\$ 103.00	\$ 72,615.00
	16-20 feet deep	150 lin. ft.	\$ 124.00	\$ 18,600.00
2	SANITARY SEWER (DIRECTIONAL DRILLED)			
	8-inch	255 lin. ft.	\$ 268.00	\$ 68,340.00
3	SANITARY MANHOLES			
	48-inch 0-8 feet deep	3 each	\$ 4,700.00	\$ 14,100.00
	8-12 feet deep	3 each	\$ 6,200.00	\$ 18,600.00
	16-20 feet deep	1 each	\$ 10,000.00	\$ 10,000.00
4	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
5	TRENCH BACKFILL			
	8-inch 0-8 feet deep	35 lin. ft.	\$ 91.00	\$ 3,185.00
	8-12 feet deep	95 lin. ft.	\$ 110.00	\$ 10,450.00
	12-16 feet deep	70 lin. ft.	\$ 134.00	\$ 9,380.00
	16-20 feet deep	25 lin. ft.	\$ 175.00	\$ 4,375.00
6	TREE TUNNELING	250 lin. ft.	\$ 187.00	\$ 46,750.00
7	SEWER TELEVISIONING FOR FINAL INSPECTION	2,376 lin. ft.	\$ 2.45	\$ 5,821.20
8	SEWER TESTING FOR FINAL INSPECTION	2,376 lin. ft.	\$ 2.45	\$ 5,821.20
9	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	85 lin. ft.	\$ 79.00	\$ 6,715.00
10	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Seed	708 sq.yd.	\$ 13.00	\$ 9,204.00
	Topsoil and Sod	2,880 sq.yd.	\$ 13.00	\$ 37,440.00
11	RESTORATION OF STREETS			
	Bituminous	33 sq.yd.	\$ 62.00	\$ 2,046.00



Table 4.2-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	120 sq.yd.	\$ 47.00	\$ 5,640.00
	PCC Driveway	45 sq.yd.	\$ 79.00	\$ 3,555.00
	Gravel Driveway	50 sq.yd.	\$ 20.00	\$ 1,000.00
13	TREE REMOVAL & TRIMMING		Lump Sum	\$ 2,594.00
14	TRAFFIC CONTROL		Lump Sum	\$ 9,727.50
	SUBTOTAL			<u>\$ 476,328.90</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	210 lin. ft.	\$ 48.00	\$ 10,080.00
	Far side	400 lin. ft.	\$ 48.00	\$ 19,200.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	17 each	\$ 540.00	\$ 9,180.00
	Far side	8 each	\$ 665.00	\$ 5,320.00
3	BUILDING SERVICE PLUG	25 each	\$ 203.00	\$ 5,075.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Sod	340 sq.yd.	\$ 12.50	\$ 4,250.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	60 sq.yd.	\$ 61.00	\$ 3,660.00
6	TRENCH BACKFILL			
	0-8 feet deep	152 lin. ft.	\$ 60.00	\$ 9,120.00
	SUBTOTAL			<u>\$ 65,885.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 542,200.00</u>
	Contingencies (20%)			\$108,400.00
	Engineering (20%)			\$108,400.00
	Legal / Admin (6%)			\$45,500.00
	Easement Acquisition			\$34,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 838,900.00</b></u>
	Cost per lot			\$33,560.00

Table 4.2-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Lomond-Elinor-Maple (North)**  
**Preliminary Design**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Inverness Avenue (Janes to Lomond)</u>					
2-A-71A (existing)	717.7	704.82			12.9
			42	1.20%	
UB-18	717.5	705.32			12.2
			125	3.00%	
UB-17	726.0	709.07			16.9
			340	1.20%	
UB-61	723.8	713.15			10.6
			284	1.20%	
UB-16	725.5	716.56			8.9
			400	3.00%	
UB-15	742.5	728.56			13.9
			320	0.80%	
UB-11	742.3	731.12			11.1
<u>Lomond Avenue (Inverness to Maple)</u>					
			390	0.40%	
UB-14	741.3	732.68			8.6
			400	0.80%	
UB-12	747.3	735.88			11.4
			333	0.80%	
UB-26	750.3	738.55			11.7
<u>Maple Avenue (west of Lomond)</u>					
			135	0.40%	
UB-33	748.0	739.09			8.9
			80	0.80%	
UB-10	754.0	739.19			14.8
			400	0.80%	
UB-9	754.0	742.39			11.6
			400	1.00%	
UB-8	762.0	746.39			15.6
			250	1.00%	
UB-7	763.0	748.89			14.1

Table 4.2-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Lomond-Elinor-Maple (North)**  
**Preliminary Design**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Elinor Avenue (Inverness to Maple)</u>					
UB-19	735.5	724.56	400	2.00%	10.9
UB-20	738.8	730.56	400	1.50%	8.2
UB-21	747.0	736.19	375	1.50%	10.8
<u>Maple Avenue (east and west of Elinor)</u>					
UB-22	747.0	738.99	350	0.80%	8.0
UB-23	750.0	740.99	250	0.80%	9.0
UB-35	750.5	739.79	450	0.80%	10.7
UB-24	748.0	736.99	80	1.00%	11.0
UB-37	750.0	739.99	300	1.00%	10.0
UB-25	752.0	742.99	300	1.00%	9.0

Table 4.2-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Lomond-Elinor-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 8-12 feet deep	5,193 lin. ft.	\$ 85.00	\$ 441,405.00
	12-16 feet deep	920 lin. ft.	\$ 103.00	\$ 94,760.00
	16-20 feet deep	691 lin. ft.	\$ 124.00	\$ 85,684.00
2	SANITARY MANHOLES			
	48-inch 8-12 feet deep	19 each	\$ 6,200.00	\$ 117,800.00
	12-16 feet deep	3 each	\$ 7,500.00	\$ 22,500.00
	16-20 feet deep	1 each	\$ 10,000.00	\$ 10,000.00
3	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL			
	8-inch 8-12 feet deep	3,050 lin. ft.	\$ 110.00	\$ 335,500.00
	12-16 feet deep	502 lin. ft.	\$ 134.00	\$ 67,268.00
	16-20 feet deep	184 lin. ft.	\$ 175.00	\$ 32,200.00
5	TREE TUNNELING	350 lin. ft.	\$ 187.00	\$ 65,450.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	6,804 lin. ft.	\$ 2.45	\$ 16,669.80
7	SEWER TESTING FOR FINAL INSPECTION	6,804 lin. ft.	\$ 2.45	\$ 16,669.80
8	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	515 lin. ft.	\$ 79.00	\$ 40,685.00
9	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	308 sq.yd.	\$ 13.00	\$ 4,004.00
	Sod	3,378 sq.yd.	\$ 13.00	\$ 43,914.00
10	RESTORATION OF STREETS			
	Bituminous	2,000 sq.yd.	\$ 62.00	\$ 124,000.00
	PCC Curb & Gutter	60 lin. ft.	\$ 40.00	\$ 2,400.00
	PCC Sidewalk	650 sq. ft.	\$ 13.00	\$ 8,450.00

Table 4.2-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Lomond-Elinor-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
11	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	290 sq.yd.	\$ 47.00	\$ 13,630.00
	PCC Driveway	75 sq.yd.	\$ 79.00	\$ 5,925.00
	Gravel Driveway	25 sq.yd.	\$ 20.00	\$ 500.00
12	TREE REMOVAL & TRIMMING		Lump Sum	\$ 4,539.50
13	TRAFFIC CONTROL		Lump Sum	\$ 19,455.00
	SUBTOTAL			<u>\$ 1,579,409.10</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	763 lin. ft.	\$ 48.00	\$ 36,624.00
	Far side	400 lin. ft.	\$ 48.00	\$ 19,200.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	59 each	\$ 540.00	\$ 31,860.00
	Far side	13 each	\$ 665.00	\$ 8,645.00
3	BUILDING SERVICE PLUG	72 each	\$ 203.00	\$ 14,616.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Sod	1,004 sq.yd.	\$ 12.50	\$ 12,550.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	149 sq.yd.	\$ 61.00	\$ 9,089.00
6	TRENCH BACKFILL			
	0-8 feet deep	260 lin. ft.	\$ 60.00	\$ 15,600.00
	SUBTOTAL			<u>\$ 148,184.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 1,727,600.00</u>
	Contingencies (20%)			\$345,500.00
	Engineering (20%)			\$345,500.00
	Legal / Admin (6%)			\$145,100.00
	Easement Acquisition			\$112,100.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 2,675,800.00</b></u>

Cost per lot \$37,160.00

Table 4.2-5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Belmont (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Inverness Avenue</u>					
2-A-71F existing	725.4	715.59	400	2.20%	9.8
UB-59	734.0	724.39			9.6
UB-60	738.0	729.89	250	2.20%	8.1

Table 4.2-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Belmont (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 0-8 feet deep	200 lin. ft.	\$ 73.00	\$ 14,600.00
	8-12 feet deep	450 lin. ft.	\$ 85.00	\$ 38,250.00
2	SANITARY MANHOLES			
	48-inch 0-8 feet deep	1 each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	1 each	\$ 6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL			
	8-inch 0-8 feet deep	48 lin. ft.	\$ 91.00	\$ 4,368.00
	8-12 feet deep	96 lin. ft.	\$ 110.00	\$ 10,560.00
5	TREE TUNNELING	0 lin. ft.	\$ 187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	650 lin. ft.	\$ 2.45	\$ 1,592.50
7	SEWER TESTING FOR FINAL INSPECTION	650 lin. ft.	\$ 2.45	\$ 1,592.50
8	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	40 lin. ft.	\$ 79.00	\$ 3,160.00
9	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	900 sq.yd.	\$ 13.00	\$ 11,700.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	68 sq.yd.	\$ 47.00	\$ 3,196.00
	Concrete	12 sq.yd.	\$ 79.00	\$ 948.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 0.00

Table 4.2-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Inverness-Belmont (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 972.75
14	TRAFFIC CONTROL		Lump Sum	\$ 972.75
	SUBTOTAL			<u>\$ 108,812.50</u>

## SERVICE LATERALS

1	BUILDING SERVICE LINES			
	Near side	72 lin. ft.	\$ 48.00	\$ 3,456.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	6 each	\$ 540.00	\$ 3,240.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG	6 each	\$ 203.00	\$ 1,218.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	50 sq.yd.	\$ 12.50	\$ 625.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 8,539.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 117,400.00</u>
	Contingencies (20%)			\$23,500.00
	Engineering (20%)			\$23,500.00
	Legal / Admin (6%)			\$9,900.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 174,300.00</b></u>

Cost per lot \$29,050.00



Table 4.2-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-College (South)**  
**Preliminary Design**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Katrine Avenue (south of College)</u>					
H-8-22 (ex.)	745.0	725.86			
			39	5.00%	
UB-52	751.0	735.81			15.2
			300	1.00%	
UB-48	754.0	738.81			15.2
			350	0.40%	
UB-47	752.0	740.21			11.8
<u>Katrine Avenue (north of College)</u>					
Chase & College (ex.)	751.1	739.60			
			360	1.00%	
UB-58	751.0	743.20			7.8
			300	2.00%	
UB-57	760.0	749.20			10.8
			200	2.00%	
UB-56	764.0	753.20			10.8

Table 4.2-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 0-8 feet deep	760 lin. ft.	\$ 73.00	\$ 55,480.00
	8-12 feet deep	499 lin. ft.	\$ 85.00	\$ 42,415.00
	12-16 feet deep	290 lin. ft.	\$ 103.00	\$ 29,870.00
2	SANITARY MANHOLES			
	48-inch 0-8 feet deep	2 each	\$ 4,700.00	\$ 9,400.00
	8-12 feet deep	2 each	\$ 6,200.00	\$ 12,400.00
	12-16 feet deep	2 each	\$ 7,500.00	\$ 15,000.00
3	DROP CONNECTION			
	8-inch	8 lin. ft.	\$ 324.00	\$ 2,592.00
4	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
5	TRENCH BACKFILL			
	8-inch 0-8 feet deep	156 lin. ft.	\$ 91.00	\$ 14,196.00
	8-12 feet deep	65 lin. ft.	\$ 110.00	\$ 7,150.00
	12-16 feet deep	104 lin. ft.	\$ 134.00	\$ 13,936.00
6	TREE TUNNELING	80 lin. ft.	\$ 187.00	\$ 14,960.00
7	SEWER TELEVISIONING FOR FINAL INSPECTION			
		1,549 lin. ft.	\$ 2.45	\$ 3,795.05
8	SEWER TESTING FOR FINAL INSPECTION			
		1,549 lin. ft.	\$ 2.45	\$ 3,795.05
9	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	220 lin. ft.	\$ 79.00	\$ 17,380.00
10	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	2,130 sq.yd.	\$ 13.00	\$ 27,690.00
11	RESTORATION OF STREETS:			
	Bit. Concrete Street	12 sq.yd.	\$ 62.00	\$ 744.00
12	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	150 sq.yd.	\$ 47.00	\$ 7,050.00
	Concrete	25 sq.yd.	\$ 79.00	\$ 1,975.00

Table 4.2-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Katrine-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 8,430.50
14	EROSION CONTROL		Lump Sum	\$ 972.75
15	TRAFFIC CONTROL		Lump Sum	\$ 3,242.50
	SUBTOTAL			<u>\$ 298,473.85</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	205 lin. ft.	\$ 48.00	\$ 9,840.00
	Far side	715 lin. ft.	\$ 48.00	\$ 34,320.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	13 each	\$ 540.00	\$ 7,020.00
	Far side	14 each	\$ 665.00	\$ 9,310.00
3	BUILDING SERVICE PLUG	27 each	\$ 203.00	\$ 5,481.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	685 sq.yd.	\$ 12.50	\$ 8,562.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	195 sq.yd.	\$ 61.00	\$ 11,895.00
6	TRENCH BACKFILL			
	0-8 feet deep	305 lin. ft.	\$ 60.00	\$ 18,300.00
	SUBTOTAL			<u>\$ 104,728.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 403,200.00</u>
	Contingencies (20%)			\$80,600.00
	Engineering (20%)			\$80,600.00
	Legal / Admin (6%)			\$33,900.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 598,300.00</b></u>
	Cost per lot			\$22,160.00

Table 4.2-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lomond-College (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Lomond Avenue</u>					
H-8-19 existing	725.0	720.00			5.0
			305	1.30%	
UB-32	732.0	723.97			8.0
			300	2.20%	
UB-31	738.0	730.57			7.4
			400	3.40%	
UB-29	752.0	744.17			7.8
			370	1.10%	
UB-28	756.0	748.24			7.8
			375	0.50%	
UB-27	758.0	750.11			7.9
<u>College Road</u>					
			245	0.50%	
UB-30	753.0	745.39			7.6
			300	1.00%	
UB-46	755.0	747.17			7.8

Table 4.2-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lomond-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep	2,295 lin. ft.	\$ 73.00	\$ 167,535.00
2	SANITARY MANHOLES 48-inch 0-8 feet deep	7 each	\$ 4,700.00	\$ 32,900.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 0-8 feet deep	1,599 lin. ft.	\$ 91.00	\$ 145,509.00
5	TREE TUNNELLING	40 lin. ft.	\$ 187.00	\$ 7,480.00
6	WATER MAIN RELOCATION:	1 each	\$ 6,900.00	\$ 6,900.00
7	SEWER TELEVISIONING FOR FINAL INSPECTION	2,295 lin. ft.	\$ 2.45	\$ 5,622.75
8	SEWER TESTING FOR FINAL INSPECTION	2,295 lin. ft.	\$ 2.45	\$ 5,622.75
9	CULVERT REMOVAL AND REPLACEMENT: 12-inch	76 lin. ft.	\$ 79.00	\$ 6,004.00
10	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	1,548 sq.yd.	\$ 13.00	\$ 20,124.00
11	RESTORATION OF STREETS: Bituminous Concrete Street	1,069 sq.yd.	\$ 62.00	\$ 66,278.00
12	REMOVE AND REPLACE DRIVEWAYS: Bituminous Driveway	39 sq.yd.	\$ 47.00	\$ 1,833.00
	PCC Driveway	10 sq.yd.	\$ 79.00	\$ 790.00
13	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 2,594.00
14	EROSION CONTROL:		Lump Sum	\$ 972.75

Table 4.2-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lomond-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
15	TRAFFIC CONTROL:		Lump Sum	\$ 6,485.00
	SUBTOTAL			<u>\$ 482,650.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	360 lin. ft.	\$ 48.00	\$ 17,280.00
	Far side	630 lin. ft.	\$ 48.00	\$ 30,240.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	14 each	\$ 540.00	\$ 7,560.00
	Far side	15 each	\$ 665.00	\$ 9,975.00
3	BUILDING SERVICE PLUG	29 each	\$ 203.00	\$ 5,887.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	783 sq.yd.	\$ 12.50	\$ 9,787.50
5	RESTORATION OF STREETS:			
	Bituminous Concrete Street	140 sq.yd.	\$ 61.00	\$ 8,540.00
6	TRENCH BACKFILL			
	0-8 feet deep	255 lin. ft.	\$ 60.00	\$ 15,300.00
	SUBTOTAL			<u>\$ 104,569.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 587,200.00</u>
	Contingencies	(20%)		\$117,400.00
	Engineering	(20%)		\$117,400.00
	Legal / Admin	(6%)		\$49,300.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 871,300.00</b></u>
	Cost per lot			\$30,040.00

Table 4.2-11

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Elinor-College (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Elinor Avenue</u>					
H-8-54 (existing)	747.9	737.90	395	3.00%	10.0
UB-55	760.0	749.75			10.3
<u>College Road</u>					
H-8-55 (existing)	745.4	738.99	225	0.80%	7.7
UB-43	748.5	740.79			
			420	0.40%	
UB-36	749.5	739.58			9.9

Table 4.2-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Elinor-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	1,040 lin. ft.	\$ 85.00	\$ 88,400.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	3 each	\$ 6,200.00	\$ 18,600.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	3 each	\$ 6,000.00	\$ 18,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	140 lin. ft.	\$ 110.00	\$ 15,400.00
5	TREE TUNNELING	150 lin. ft.	\$ 187.00	\$ 28,050.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION 1,040 lin. ft.		\$ 2.45	\$ 2,548.00
7	SEWER TESTING FOR FINAL INSPECTION 1,040 lin. ft.		\$ 2.45	\$ 2,548.00
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	40 lin. ft.	\$ 79.00	\$ 3,160.00
	24-inch	20 lin. ft.	\$ 163.00	\$ 3,260.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	1,596 sq.yd.	\$ 13.00	\$ 20,742.22
10	RESTORATION OF STREETS: Bit. Concrete Street	71 sq.yd.	\$ 62.00	\$ 4,408.89
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	33 sq.yd.	\$ 47.00	\$ 1,566.67
	Concrete	33 sq.yd.	\$ 79.00	\$ 2,633.33
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 2,500.00
13	EROSION CONTROL		Lump Sum	\$ 750.00
14	TRAFFIC CONTROL		Lump Sum	\$ 2,000.00
	SUBTOTAL			\$ 214,567.11



Table 4.2-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Elinor-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	75 lin. ft.	\$ 48.00	\$ 3,600.00
	Far side	150 lin. ft.	\$ 48.00	\$ 7,200.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	5 each	\$ 540.00	\$ 2,700.00
	Far side	4 each	\$ 665.00	\$ 2,660.00
3	BUILDING SERVICE PLUG	9 each	\$ 203.00	\$ 1,827.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	325 sq.yd.	\$ 12.50	\$ 4,062.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	64 sq.yd.	\$ 61.00	\$ 3,904.00
6	TRENCH BACKFILL			
	8-12 feet deep	96 lin. ft.	\$ 81.00	\$ 7,776.00
	SUBTOTAL			\$ 33,729.50
	TOTAL ESTIMATE OF CONSTRUCTION COST			\$ 248,300.00
	Contingencies (20%)			\$49,700.00
	Engineering (20%)			\$49,700.00
	Legal / Admin (6%)			\$20,900.00
	TOTAL OPINION OF PROBABLE COST			<b>\$ 368,600.00</b>
	Cost per lot			\$40,960.00

Table 4.2-13

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-College (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Janes Avenue</u>					
H-8-56 existing	747.0	735.35	230	1.50%	12.2
UB-41	751.0	738.80			
UB-42	750.0	742.55	300	1.25%	7.4
<u>College Road</u>					
UB-44	756.0	748.05	440	1.25%	7.9

Table 4.2-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 0-8 feet deep	300 lin. ft.	\$ 73.00	\$ 21,900.00
	8-12 feet deep	670 lin. ft.	\$ 85.00	\$ 56,950.00
2	SANITARY MANHOLES			
	48-inch 0-8 feet deep	1 each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	2 each	\$ 6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL			
	8-inch 0-8 feet deep	54 lin. ft.	\$ 91.00	\$ 4,914.00
	8-12 feet deep	260 lin. ft.	\$ 110.00	\$ 28,600.00
5	TREE TUNNELING	110 lin. ft.	\$ 187.00	\$ 20,570.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	970 lin. ft.	\$ 2.45	\$ 2,376.50
7	SEWER TESTING FOR FINAL INSPECTION	970 lin. ft.	\$ 2.45	\$ 2,376.50
8	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	150 lin. ft.	\$ 79.00	\$ 11,850.00
9	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	1,200 sq.yd.	\$ 13.00	\$ 15,600.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	65 sq.yd.	\$ 62.00	\$ 4,030.00
11	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	140 sq.yd.	\$ 47.00	\$ 6,580.00
	Concrete	24 sq.yd.	\$ 79.00	\$ 1,896.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 8,430.50
13	EROSION CONTROL		Lump Sum	\$ 972.75

Table 4.2-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-College (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 3,242.50
	SUBTOTAL			<u>\$ 213,388.75</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	105 lin. ft.	\$ 48.00	\$ 5,040.00
	Far side	312 lin. ft.	\$ 48.00	\$ 14,976.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	6 each	\$ 540.00	\$ 3,240.00
	Far side	7 each	\$ 665.00	\$ 4,655.00
3	BUILDING SERVICE PLUG	13 each	\$ 203.00	\$ 2,639.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	370 sq.yd.	\$ 12.50	\$ 4,625.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	102 sq.yd.	\$ 61.00	\$ 6,222.00
6	TRENCH BACKFILL:			
	0-8 feet deep	160 lin. ft.	\$ 60.00	\$ 9,600.00
	SUBTOTAL			<u>\$ 50,997.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 264,400.00</u>
	Contingencies (20%)			\$52,900.00
	Engineering (20%)			\$52,900.00
	Legal / Admin (6%)			\$22,200.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 392,400.00</b></u>
	Cost per lot			\$30,180.00

Table 4.2-15

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Chase-Hobson-Belmont (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Chase Avenue</u>					
H-8-42 existing	734.6	726.10			
			420	1.25%	
UB-50	740.0	731.35			8.6
			400	2.00%	
UB-49	752.0	739.35			12.7
<u>Hobson Road</u>					
H-8-44 existing	738.5	729.57			
			80	0.60%	
UB-54	738.0	730.05			7.9
			350	1.25%	
UB-53	747.0	734.43			12.6
<u>Belmont Road</u>					
			400	1.25%	
UB-45	752.0	739.43			12.6

Table 4.2-16

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Chase-Hobson-Belmont (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 0-8 feet deep	450 lin. ft.	\$ 73.00	\$ 32,850.00
	8-12 feet deep	1,200 lin. ft.	\$ 85.00	\$ 102,000.00
2	SANITARY MANHOLES			
	48-inch 0-8 feet deep	1 each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	4 each	\$ 6,200.00	\$ 24,800.00
3	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL			
	8-inch 0-8 feet deep	450 lin. ft.	\$ 91.00	\$ 40,950.00
	8-12 feet deep	602 lin. ft.	\$ 110.00	\$ 66,220.00
5	TREE TUNNELING	0 lin. ft.	\$ 187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,650 lin. ft.	\$ 2.45	\$ 4,042.50
7	SEWER TESTING FOR FINAL INSPECTION	1,650 lin. ft.	\$ 2.45	\$ 4,042.50
8	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	60 lin. ft.	\$ 79.00	\$ 4,740.00
9	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	780 sq.yd.	\$ 13.00	\$ 10,140.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	711 sq.yd.	\$ 62.00	\$ 44,082.00
11	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	50 sq.yd.	\$ 47.00	\$ 2,350.00
	Concrete	0 sq.yd.	\$ 79.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 648.50
13	EROSION CONTROL		Lump Sum	\$ 972.75

Table 4.2-16

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Chase-Hobson-Belmont (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 19,455.00
	SUBTOTAL			<u>\$ 367,993.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	198 lin. ft.	\$ 48.00	\$ 9,504.00
	Far side	312 lin. ft.	\$ 48.00	\$ 14,976.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	9 each	\$ 540.00	\$ 4,860.00
	Far side	6 each	\$ 665.00	\$ 3,990.00
3	BUILDING SERVICE PLUG	15 each	\$ 203.00	\$ 3,045.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and seed	122 sq.yd.	\$ 12.50	\$ 1,525.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	140 sq.yd.	\$ 61.00	\$ 8,540.00
6	TRENCH BACKFILL			
	0-8 feet deep	180 lin. ft.	\$ 60.00	\$ 10,800.00
	SUBTOTAL			<u>\$ 57,240.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 425,200.00</u>
	Contingencies (20%)			\$85,000.00
	Engineering (20%)			\$85,000.00
	Legal / Admin (6%)			\$35,700.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 630,900.00</u>
Cost per lot				\$ 42,060.00

Table 4.2-17

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Downers Grove Park Sub-Area**  
**Cost Summary**

March 2019

Sub-Basin:	Near Services	Far Services	Cost	Cost per lot
Katrine-Maple (North)	17	8	\$ 838,900.00	\$ 33,560.00
Inverness-Lomond-Elinor-Maple (North)	59	13	\$ 2,675,800.00	\$ 37,160.00
Inverness-Belmont (North)	6	0	\$ 174,300.00	\$ 29,050.00
Katrine-College (South)	13	14	\$ 598,300.00	\$ 22,160.00
Lomond-College (South)	14	15	\$ 871,300.00	\$ 30,040.00
Elinor-College (South)	5	4	\$ 368,600.00	\$ 40,960.00
Janes-College (South)	6	7	\$ 392,400.00	\$ 30,180.00
Chase-Hobson-Belmont (South)	9	6	\$ 630,900.00	\$ 42,060.00
<b>TOTALS</b>	<b>129</b>	<b>67</b>	<b>\$ 6,550,500.00</b>	<b>\$ 33,420.00</b>

**196**



### 4.3 Downers Grove Gardens

Downers Grove Gardens is a large sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.3, the approximate limits of this sub-area are Maple Avenue to the north, Janes Avenue and Belmont Road to the west, 63<sup>rd</sup> Street to the south, and Downers Drive to the east. The proposed service area includes approximately 673 lots that are mostly developed as single-family residences with septic systems. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving properties within Downers Grove Gardens.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The Downers Grove Gardens sub-area has two major drainage divides running from west to east: 61<sup>st</sup> Street from Janes east to Belmont and just south of 59<sup>th</sup> Street from Belmont east to Downers Drive. Serving these properties by following the ground contours will avoid deep cuts through the higher elevations along drainage divide. The study area can be divided into four smaller service areas. Properties north of 61<sup>st</sup> Street and west of Belmont Road will be served by the existing sanitary sewer on Hobson Road (at Janes, Leonard, Chase and Puffer). Properties south of 61<sup>st</sup> Street and west of Belmont Road will be served by existing sewers on 63<sup>rd</sup> Street (at Janes, Puffer, and Belmont). Residences north of 59<sup>th</sup> Street and east of Belmont Road will be served by the existing sewer on Maple Avenue (between Woodward and Sherman). Residences south of 59<sup>th</sup> Street and east of Belmont Road will be served by existing sewers on Boundary Road (at Lee and Downers) and 63<sup>rd</sup> Street (at Belmont, Pershing, Stonewall, and Springside)

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The major road crossings that would significantly increase construction cost in this sub-area are Belmont Road and Maple Avenue. Thus, alternatives were considered to minimize crossing of these routes with both the mainline sewer and building services.

The sewer layout also considered the several wetlands that are located within the sub-area at the following locations: Woodward and Blanchard (vacated right-of-way), and Sherman and Jefferson (vacated right-of-way). Avoiding these wetlands will minimize the time and expense involved in the permitting process for construction in wetlands as well as reduce the costs associated with restoring these areas.

The Village of Downers Grove owns and operates water mains on the streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Downers Grove Gardens sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
Janes-Leonard-Chase-Puffer (North)	68	Table 4.3-1	Table 4.3-2
Janes-Leonard-Chase-Puffer (South)	129	Table 4.3-3	Table 4.3-4
Belmont Road (Southwest)	25	Table 4.3-5	Table 4.3-6
Belmont Road (East)	52	Table 4.3-7	Table 4.3-8
Pershing Avenue (South)	64	Table 4.3-9	Table 4.3-10
Woodward and 63 <sup>rd</sup> Street	18	Table 4.3-11	Table 4.3-12
Lee and Boundary (South)	39	Table 4.3-13	Table 4.3-14
Springside Avenue (South)	14	Table 4.3-15	Table 4.3-16
Springside-Jefferson-Downers (North)	52	Table 4.3-17	Table 4.3-18
Pershing-Woodward-Maple (North)	104	Table 4.3-19	Table 4.3-20
Sherman Avenue (North)	54	Table 4.3-21	Table 4.3-22
Lee Avenue (North)	54	Table 4.3-23	Table 4.3-24

Table 4.3-25 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.3.

The Janes-Leonard-Chase-Puffer (North) sub-basin sewer plan follows the east-west drainage divide near 61<sup>st</sup> Street from Janes Avenue to Belmont Road. Serving these properties north to the existing sewer along Hobson is the most cost effective because it prevents a deep cut through the ridge line at 61<sup>st</sup>. The sewer alignment on each street should be on the east side of the right-of-way because of the existing water main is on the west side of the right-of-way. Table 4.3-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,249,500, including contingency, engineering, and legal/administrative costs.

The Janes-Leonard-Chase-Puffer (South) sub-basin sewer plan also follows the east-west drainage divide near 61<sup>st</sup> Street from Janes Avenue to Belmont Road. This sub-basin will also include all unsewered properties fronting 63<sup>rd</sup> Street west of Belmont. The properties on Janes, Leonard, and Chase should connect to the west at the existing manhole on 63<sup>rd</sup> Street at Janes, since the existing manhole east of Chase is too shallow. The properties on Puffer should connect to the existing manhole at Puffer and 63<sup>rd</sup> Street. Similar to the sub-basin to the north, sewer alignment on each street should be on the east side of the right-of-way because of the existing water mains on the west side of the right-of-way. Table 4.3-3 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-4 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$2,355,300, including contingency, engineering, and legal/administrative costs.

The Belmont Road (Southwest) sub-basin sewer plan includes the unsewered properties on the west side of Belmont and south of Hobson Road. These properties will connect to the existing sewer on the west side of Belmont, north of 63<sup>rd</sup> Street. The sewer alignment will require an easement adjacent to the west right-of-way line of Belmont, similar to the existing sewer to the south. Installing a parallel sewer on the both sides of Belmont was determined to be more cost-effective than installing services across Belmont. Table 4.3-5 is the proposed layout of the sewer

size, length, and slope and manhole invert and depth. Table 4.3-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$607,800, including contingency, engineering, easements, and legal/administrative costs.

The Belmont Road (East) sub-basin sewer plan follows the existing topography, which consists of a low area between the ridge lines along 61<sup>st</sup> Street west of Belmont and along 59<sup>th</sup> Street east of Belmont. The ground elevation along Belmont decreases from a high point near College Road south to the connection point at an existing sewer manhole at the northeast corner of Belmont and 63<sup>rd</sup> Street. This sub-basin will include all unsewered properties on the east side of Belmont, as well as several properties on 59<sup>th</sup> Street, east of Belmont. Similar to the west side of Belmont Road, the sewer alignment will require an easement adjacent to the east right-of-way line and the parallel sewer was determined to be more cost-effective than installing services across Belmont. Table 4.3-7 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-8 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,197,300, including contingency, engineering, easements, and legal/administrative costs.

The Pershing Avenue (South) sub-basin sewer plan follows the drainage divide just south of 59<sup>th</sup> Street. This sub-basin will include unsewered properties along Pershing Avenue. Connecting to the manhole at 63<sup>rd</sup> Street and Pershing Avenue is the most cost effective because it prevents a deep cut through the ridge line. The sewer alignment on Pershing should be on the east side of the right-of-way because of the existing water main is on the west side of the right-of-way. Table 4.3-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,139,500, including contingency, engineering, and legal/administrative costs.

The Woodward and 63<sup>rd</sup> Street sub-basin sewer plan also follows the existing drainage divide just south of 59<sup>th</sup> Street. This sub-basin includes unsewered properties along Woodward as well as properties on the north side of 63<sup>rd</sup> Street between Woodward Avenue and Pershing Road. For the properties along Woodward, connecting to the existing manhole at 6006 Woodward Avenue is the most feasible alternative. For the properties on the north side of 63<sup>rd</sup> Street, connecting to the existing manhole at Woodward and 63<sup>rd</sup> Street is the most feasible alternative because the manhole to the west of Woodward on 63<sup>rd</sup> is too shallow. Table 4.3-11 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-12 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$314,400, including contingency, engineering, easements and legal/administrative costs.

The Lee and Boundary (South) sub-basin sewer plan also follows the existing drainage divide south of 59<sup>th</sup> Street. Connecting to the existing manhole at Boundary Road eliminates a deep cut through the ridge line south of 59<sup>th</sup> and provides adequate depth with the shortest length of pipe. The sewer should be placed in the east right-of-way on Lee and in the southeast right-of-way on Boundary to avoid existing utilities. Table 4.3-13 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-14 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$714,400, including contingency, engineering, and legal/administrative costs.

The Springside Avenue (South) sub-basin sewer plan is to follow the existing topography and connect to the existing manhole to the south at 63<sup>rd</sup> Street. The only other potential connection point would be the existing manhole to the north, but it is too shallow to be a feasible alternative. Table 4.3-15 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-16 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$301,400, including contingency, engineering, and legal/administrative costs.

The Springside-Jefferson-Downers (North) sub-basin sewer plan follows the existing topography which consists of a high point to the west along 59<sup>th</sup> Street and a low lying area near Springside and Jefferson. There are several potential connection points, but the existing manhole at Boundary and Downers Drive is the only feasible alternative to serve Downers, Jefferson, and Springside north of 59<sup>th</sup> because the two existing manholes on Springside, north of Jefferson and south of 59<sup>th</sup>, are too shallow. The lots on Springside south of 59<sup>th</sup> Street are best served by the existing manhole 320 feet south of 59<sup>th</sup> Street. The cost per lot for this sub-basin is the most expensive in the Downers Grove Gardens sub-area because of the amount of granular backfill and pavement restoration that is required to avoid utilities. Table 4.3-17 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-18 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,415,700, including contingency, engineering, and legal/administrative costs.

The Pershing-Woodward-Maple Avenue (North) sub-basin sewer plan follows the existing topography which falls from the high point just south of 59<sup>th</sup> and east of Woodward to the lowest elevation, along Woodward north of Blanchard. This is the recommended alternative because it has the shortest sewer length while preventing deep cuts through the ridge line and provides adequate cover at the low elevation. This sub-basin includes all unsewered properties fronting Maple on the south side of the road. The recommended alternative to install one main sewer across Maple Avenue is more cost-effective than installing multiple services across Maple to the existing sewer on the north side. The sewer alignment along Maple will require easements adjacent to the right-of-way line. The connection point for sewer along the south side of Maple is the existing manhole at the intersection of Maple Avenue and Woodward Avenue. Sewer has been extended west to this manhole and south along Woodward Avenue to the manhole south of the intersection of Woodward Avenue and Blanchard Street right-of-way. The connection point for sewer along the north side of Maple is the existing manhole at 5516 Maple Avenue. Table 4.3-19 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-20 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$2,720,800, including contingency, engineering, and easements, legal/administrative costs.

The Sherman Avenue (North) sub-basin sewer plan follows the drainage divide just south of 59<sup>th</sup> Street. This sub-basin will include unsewered properties along Sherman Avenue. Connecting to the existing manhole just south of Maple is the recommended alternative because it has the shortest sewer length while preventing deep cuts through the ridge line and provides adequate cover at the low elevation at Jefferson. The sewer alignment on Sherman should be on the east side of the right-of-way because of the existing water main is on the west side of the right-of-way. In 2017, 188 feet of sanitary sewer was installed including the 5602 Sherman Ave. service connection for a construction cost of \$22,070. Table 4.3-21 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-22 includes a breakdown of the

unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,208,500, including contingency, engineering, and legal/administrative costs.

The Lee Avenue (North) sub-basin sewer plan follows the topography which falls to the north from the drainage divide just south of 59<sup>th</sup> Street. Serving the properties along the south side of Maple with a parallel sewer and connecting to the existing manhole at Lee and Maple requires an easement on the south side of Maple but is more cost-effective than jacking sewer services under Maple. The sewer on Lee Avenue should be placed in the west parkway, near the edge of pavement, to avoid the Village water main near the west right-of-way line and the DuPage Water Commission main in the east parkway. The cost per lot for this sub-basin is the fourth most expensive in the Downers Grove Gardens sub-area because of the granular backfill and pavement restoration that is required along the north end of Lee. Table 4.3-23 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.3-24 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,406,800, including contingency, engineering, easements, and legal/administrative costs.



DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

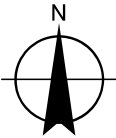
EXHIBIT 4.3

DOWNERS GROVE GARDENS  
POSSIBLE SEWER ALIGNMENT

MARCH 2019

LEGEND

- EXISTING MANHOLES
- PROPOSED MANHOLES
- EXISTING SEWERS
- PROPOSED SEWERS
- PARCEL BOUNDARIES
- JANES-LEONARD-CHASE-PUFFER (NORTH);TABLES 4.3-1, 4.3-2
- JANES-LEONARD-CHASE-PUFFER (SOUTH);TABLES 4.3-3, 4.3-4
- BELMONT ROAD (SOUTHWEST);TABLES 4.3-5, 4.3-6
- BELMONT ROAD (EAST);TABLES 4.3-7, 4.3-8
- PERSHING AVENUE (SOUTH);TABLES 4.3-9, 4.3-10
- WOODWARD AND 63RD STREET;TABLES 4.3-11, 4.3-12
- LEE AND BOUNDARY (SOUTH);TABLES 4.3-13, 4.3-14
- SPRINGSIDE AVENUE (SOUTH);TABLES 4.3-15, 4.3-16
- SPRINGSIDE-JEFFERSON-DOWNERS (NORTH);TABLES 4.3-17, 4.3-18
- PERSHING-WOODWARD-MAPLE (NORTH);TABLES 4.3-19, 4.3-20
- SHERMAN AVENUE (NORTH);TABLES 4.3-21, 4.3-22
- LEE AVENUE (NORTH);TABLES 4.3-23, 4.3-24



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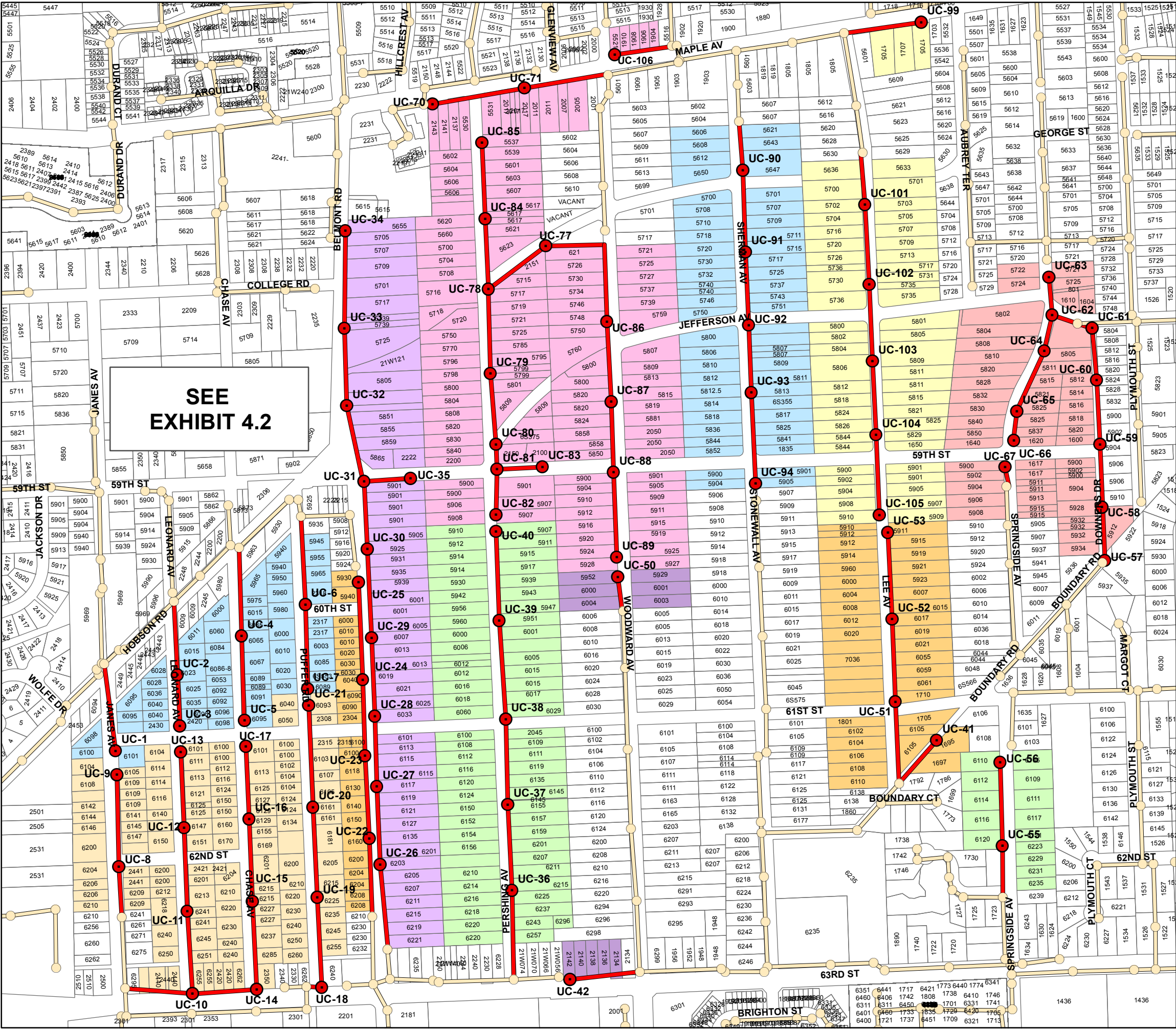


Table 4.3-1  
**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Janes Avenue</u>					
H-8-10-1 existing	731.4	715.01	420	1.20%	11.0
UC-1	736.0	725.05			
<u>Leonard Avenue</u>					
H-8-33 existing	731.7	719.00	400	2.20%	8.2
UC-2	736.0	727.80			
UC-3	742.0	733.52	220	2.60%	8.5
<u>Chase Avenue</u>					
H-8-43 existing	733.5	726.62	410	3.00%	16.1
UC-4	755.0	738.92			
UC-5	754.0	743.02	410	1.00%	11.0
<u>Puffer Road</u>					
H-8-46 existing	741.3	731.65	450	0.40%	8.1
UC-6	741.5	733.45			
UC-7	752.0	741.45	400	2.00%	10.6

Table 4.3-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	500	lin. ft.	\$ 73.00	\$ 36,500.00
	8-12 feet deep	2,210	lin. ft.	\$ 85.00	\$ 187,850.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	2	each	\$ 4,700.00	\$ 9,400.00
	8-12 feet deep	5	each	\$ 6,200.00	\$ 31,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	4	each	\$ 6,000.00	\$ 24,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	100	lin. ft.	\$ 91.00	\$ 9,100.00
	8-12 feet deep	822	lin. ft.	\$ 110.00	\$ 90,420.00
5	TREE TUNNELING	80	lin. ft.	\$ 187.00	\$ 14,960.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	2,710	lin. ft.	\$ 2.45	\$ 6,639.50
7	SEWER TESTING FOR FINAL INSPECTION	2,710	lin. ft.	\$ 2.45	\$ 6,639.50
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	357	lin. ft.	\$ 79.00	\$ 28,203.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	5,142	sq.yd.	\$ 13.00	\$ 66,846.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	160	sq.yd.	\$ 62.00	\$ 9,920.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	491	sq.yd.	\$ 47.00	\$ 23,077.00
	Concrete	67	sq.yd.	\$ 79.00	\$ 5,293.00
12	TREE REMOVAL AND TRIMMING			Lump Sum	\$ 324.25



Table 4.3-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 1,297.00
14	TRAFFIC CONTROL		Lump Sum	\$ 7,782.00
				<u>\$ 559,251.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	740 lin. ft.	\$ 48.00	\$ 35,520.00
	Far side	1,860 lin. ft.	\$ 48.00	\$ 89,280.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	37 each	\$ 540.00	\$ 19,980.00
	Far side	31 each	\$ 665.00	\$ 20,615.00
3	BUILDING SERVICE PLUGS:	68 each	\$ 203.00	\$ 13,804.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	2,700 sq.yd.	\$ 12.50	\$ 33,750.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	413 sq.yd.	\$ 61.00	\$ 25,193.00
6	TRENCH BACKFILL			
	0-8 feet deep	744 lin. ft.	\$ 60.00	\$ 44,640.00
	SUBTOTAL			<u>\$ 282,782.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 842,000.00</u>
	Contingencies (20%)			\$168,400.00
	Engineering (20%)			\$168,400.00
	Legal / Admin (6%)			\$70,700.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,249,500.00</b></u>
	Cost per lot			\$18,380.00

Table 4.3-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Janes Avenue</u>					
Existing	720.0	708.00	300	1.20%	13.4
UC-8	730.0	716.60		1.20%	
UC-9	738.0	726.40			11.6
<u>63rd Street</u>					
Existing	713.6	702.70	350	0.40%	9.9
UC-10	719.0	709.10		0.40%	
UC-14	724.5	715.46			9.0
<u>Leonard Avenue</u>					
UC-11	730.0	721.10	400	3.00%	8.9
UC-12	740.0	729.10	400	2.00%	10.9
UC-13	746.0	737.10	400	2.00%	8.9
<u>Chase Avenue</u>					
UC-15	730.0	719.06	450	0.80%	10.9
UC-16	734.0	725.81	450	1.50%	8.2
UC-17	750.0	739.31	450	3.00%	10.7
<u>Puffer Road</u>					
H-1-98 (existing)	730.0	719.79	60	2.50%	8.7
UC-18	730.0	721.29		0.60%	
UC-19	732.0	723.99	450	0.80%	8.0
UC-20	736.0	727.59	450	0.80%	8.4
UC-21	750.0	738.84	450	2.50%	11.2

Table 4.3-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	900 lin. ft.		\$ 73.00	\$ 65,700.00
	8-12 feet deep	4,450 lin. ft.		\$ 85.00	\$ 378,250.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	2 each		\$ 4,700.00	\$ 9,400.00
	8-12 feet deep	12 each		\$ 6,200.00	\$ 74,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	3 each		\$ 6,000.00	\$ 18,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	50 lin. ft.		\$ 91.00	\$ 4,550.00
	8-12 feet deep	1,353 lin. ft.		\$ 110.00	\$ 148,830.00
5	TREE TUNNELING	240 lin. ft.		\$ 187.00	\$ 44,880.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	5,350 lin. ft.		\$ 2.45	\$ 13,107.50
7	SEWER TESTING FOR FINAL INSPECTION	5,350 lin. ft.		\$ 2.45	\$ 13,107.50
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	856 lin. ft.		\$ 79.00	\$ 67,624.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	9,789 sq.yd.		\$ 13.00	\$ 127,257.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	292 sq.yd.		\$ 62.00	\$ 18,104.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	1,012 sq.yd.		\$ 47.00	\$ 47,564.00
	Concrete	77 sq.yd.		\$ 79.00	\$ 6,083.00
12	TREE REMOVAL AND TRIMMING			Lump Sum	\$ 1,102.45
13	EROSION CONTROL			Lump Sum	\$ 1,621.25

Table 4.3-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Janes-Leonard-Chase-Puffer (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 9,727.50
	SUBTOTAL			<u>\$ 1,049,308.20</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	1,440 lin. ft.	\$ 48.00	\$ 69,120.00
	Far side	3,420 lin. ft.	\$ 48.00	\$ 164,160.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	72 each	\$ 540.00	\$ 38,880.00
	Far side	57 each	\$ 665.00	\$ 37,905.00
3	BUILDING SERVICE PLUG	129 each	\$ 203.00	\$ 26,187.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	3,575 sq.yd.	\$ 12.50	\$ 44,687.50
5	RESTORATION OF STREETS			
	Bit. Concrete Street	1,115 sq.yd.	\$ 61.00	\$ 68,015.00
6	TRENCH BACKFILL			
	0-8 feet deep	1,482 lin. ft.	\$ 60.00	\$ 88,920.00
	SUBTOTAL			<u>\$ 537,874.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 1,587,200.00</u>
	Contingencies (20%)			\$317,400.00
	Engineering (20%)			\$317,400.00
	Legal / Admin (6%)			\$133,300.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 2,355,300.00</b></u>
	Cost per lot			\$18,260.00

Table 4.3-5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont-Southwest**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Belmont Road</u>					
H-1-94 (existing)	738.8	728.38			
UC-22	742.0	732.38	400	1.00%	9.6
UC-23	744.0	735.98	400	0.90%	8.0
UC-24	750.0	740.03	450	0.90%	10.0
UC-25	750.0	741.91	470	0.40%	8.1

Table 4.3-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont-Southwest**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	500	lin. ft.	\$ 73.00	\$ 36,500.00
	8-12 feet deep	1,220	lin. ft.	\$ 85.00	\$ 103,700.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	2	each	\$ 4,700.00	\$ 9,400.00
	8-12 feet deep	2	each	\$ 6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	264	lin. ft.	\$ 91.00	\$ 24,024.00
	8-12 feet deep	315	lin. ft.	\$ 110.00	\$ 34,650.00
5	TREE TUNNELING	120	lin. ft.	\$ 187.00	\$ 22,440.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,720	lin. ft.	\$ 2.45	\$ 4,214.00
7	SEWER TESTING FOR FINAL INSPECTION	1,720	lin. ft.	\$ 2.45	\$ 4,214.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	3,547	sq.yd.	\$ 13.00	\$ 46,111.00
9	RESTORATION OF STREETS				
	Bit. Concrete Street	64	sq.yd.	\$ 62.00	\$ 3,968.00
10	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	269	sq.yd.	\$ 47.00	\$ 12,643.00
	Concrete	60	sq.yd.	\$ 79.00	\$ 4,740.00
12	TREE REMOVAL AND TRIMMING			Lump Sum	\$ 1,297.00
13	EROSION CONTROL			Lump Sum	\$ 648.50

Table 4.3-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont-Southwest**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 8,430.50
	SUBTOTAL			<u>\$ 335,380.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	250 lin. ft.	\$ 48.00	\$ 12,000.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	25 each	\$ 540.00	\$ 13,500.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG			
	Near side	25 each	\$ 203.00	\$ 5,075.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	0 sq.yd.	\$ 12.50	\$ 0.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 30,575.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 366,000.00</u>
	Contingencies (20%)			\$73,200.00
	Engineering (20%)			\$73,200.00
	Legal / Admin (6%)			\$30,700.00
	Easement Acquisition			\$64,700.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 607,800.00</u>
	Cost per lot			\$24,310.00

Table 4.3-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont Road (East)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Belmont Road</u>					
H-1-97 (existing)	739.5	724.62			
			400	2.00%	
UC-26	742.0	732.62			9.4
			400	0.40%	
UC-27	746.0	734.22			11.8
			400	0.40%	
UC-28	748.0	735.82			12.2
			400	0.40%	
UC-29	748.0	737.42			10.6
			400	0.40%	
UC-30	748.0	739.02			9.0
			400	0.40%	
UC-31	750.0	740.62			9.4
			400	0.40%	
UC-32	750.0	742.22			7.8
			400	2.50%	
UC-33	762.0	752.22			9.8
			400	4.00%	
UC-34	780.0	768.22			11.8
<u>59th Street</u>					
			200	0.80%	
UC-35	750.0	742.22			7.8



Table 4.3-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont Road (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	1,000	lin. ft.	\$ 73.00	\$ 73,000.00
	8-12 feet deep	2,800	lin. ft.	\$ 85.00	\$ 238,000.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	2	each	\$ 4,700.00	\$ 9,400.00
	8-12 feet deep	8	each	\$ 6,200.00	\$ 49,600.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	313	lin. ft.	\$ 91.00	\$ 28,483.00
	8-12 feet deep	659	lin. ft.	\$ 110.00	\$ 72,490.00
5	TREE TUNNELING	280	lin. ft.	\$ 187.00	\$ 52,360.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	3,800	lin. ft.	\$ 2.45	\$ 9,310.00
7	SEWER TESTING FOR FINAL INSPECTION	3,800	lin. ft.	\$ 2.45	\$ 9,310.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	2,031	sq.yd.	\$ 13.00	\$ 26,403.00
9	RESTORATION OF STREETS				
	Bit. Concrete Street	69	sq.yd.	\$ 62.00	\$ 4,278.00
10	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	443	sq.yd.	\$ 47.00	\$ 20,821.00
	Concrete	130	sq.yd.	\$ 79.00	\$ 10,270.00
11	TREE REMOVAL AND TRIMMING			Lump Sum	\$ 12,970.00
12	EROSION CONTROL			Lump Sum	\$ 648.50

Table 4.3-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belmont Road (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TRAFFIC CONTROL		Lump Sum	\$ 19,455.00
	SUBTOTAL			<u>\$ 642,798.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	520 lin. ft.	\$ 48.00	\$ 24,960.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	52 each	\$ 540.00	\$ 28,080.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG			
	Near side	52 each	\$ 203.00	\$ 10,556.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	0 sq.yd.	\$ 12.50	\$ 0.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	8-12 feet deep	0 lin. ft.	\$ 81.00	\$ 0.00
	SUBTOTAL			<u>\$ 63,596.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 706,400.00</u>
	Contingencies (20%)			\$141,300.00
	Engineering (20%)			\$141,300.00
	Legal / Admin (6%)			\$59,300.00
	Easement Acquisition			\$149,000.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,197,300.00</b></u>
	Cost per lot			\$23,030.00

Table 4.3-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing Avenue (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Pershing Avenue</u>					
Existing	744.8	733.40			
UC-36	750.0	737.90	450	1.00%	12.1
UC-37	750.0	740.15	450	0.50%	9.9
UC-38	754.0	742.40	450	0.50%	11.6
UC-39	752.0	744.20	450	0.40%	7.8
UC-40	762.0	747.80	450	0.80%	14.2

Table 4.3-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing Avenue (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	400 lin. ft.		\$ 73.00	\$ 29,200.00
	8-12 feet deep	1,850 lin. ft.		\$ 85.00	\$ 157,250.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1 each		\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	4 each		\$ 6,200.00	\$ 24,800.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1 each		\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	130 lin. ft.		\$ 91.00	\$ 11,830.00
	8-12 feet deep	1,201 lin. ft.		\$ 110.00	\$ 132,110.00
5	TREE TUNNELING	70 lin. ft.		\$ 187.00	\$ 13,090.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	2,250 lin. ft.		\$ 2.45	\$ 5,512.50
7	SEWER TESTING FOR FINAL INSPECTION	2,250 lin. ft.		\$ 2.45	\$ 5,512.50
8	CULVERT REMOVAL AND REPLACEMENT				
	15-inch	255 lin. ft.		\$ 100.00	\$ 25,500.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	2,616 sq.yd.		\$ 13.00	\$ 34,008.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	756 sq.yd.		\$ 62.00	\$ 46,872.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	263 sq.yd.		\$ 47.00	\$ 12,361.00
	Concrete	80 sq.yd.		\$ 79.00	\$ 6,320.00
12	REMOVE AND REPLACE SIDEWALK				
	4' Concrete	50 sq.ft.		\$ 13.00	\$ 650.00

Table 4.3-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing Avenue (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$ 3,242.50
14	EROSION CONTROL		Lump Sum	\$ 648.50
15	TRAFFIC CONTROL		Lump Sum	\$ 3,891.00
	SUBTOTAL			<u>\$ 523,498.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	768 lin. ft.	\$ 48.00	\$ 36,864.00
	Far side	1,344 lin. ft.	\$ 48.00	\$ 64,512.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	32 each	\$ 540.00	\$ 17,280.00
	Far side	32 each	\$ 665.00	\$ 21,280.00
3	BUILDING SERVICE PLUG	64 each	\$ 203.00	\$ 12,992.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	1,387 sq.yd.	\$ 12.50	\$ 17,337.50
5	RESTORATION OF STREETS			
	Bit. Concrete Street	427 sq.yd.	\$ 61.00	\$ 26,047.00
6	TRENCH BACKFILL			
	0-8 feet deep	800 lin. ft.	\$ 60.00	\$ 48,000.00
	SUBTOTAL			<u>\$ 244,312.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 767,800.00</u>
	Contingencies (20%)			\$153,600.00
	Engineering (20%)			\$153,600.00
	Legal / Admin (6%)			\$64,500.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,139,500.00</b></u>
	Cost per lot			\$17,800.00

Table 4.3-11

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Woodward and 63rd Street**  
**Preliminary Design Layout**

Preliminary Design Layout						Manhole Depth
<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>		
<u>63rd Street</u>						
H-2-160 (existing)	736.0	730.63	320	1.20%	5.4	
UC-42	744.0	734.47			9.5	
<u>Woodward Avenue</u>						
H-2-173 (existing)	747.0	738.79	115	0.40%	8.2	
UC-50	748.0	739.25			8.8	

Table 4.3-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Woodward and 63rd Street**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	435 lin. ft.		\$ 85.00	\$ 36,975.00
2	SANITARY MANHOLES 48-inch 0-8 feet deep	1 each		\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	1 each		\$ 6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	2 each		\$ 6,000.00	\$ 12,000.00
4	TRENCH BACKFILL 8-inch 0-8 feet deep	215 lin. ft.		\$ 91.00	\$ 19,565.00
	8-12 feet deep	220 lin. ft.		\$ 110.00	\$ 24,200.00
5	TREE TUNNELING	40 lin. ft.		\$ 187.00	\$ 7,480.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	435 lin. ft.		\$ 2.45	\$ 1,065.75
7	SEWER TESTING FOR FINAL INSPECTION	435 lin. ft.		\$ 2.45	\$ 1,065.75
8	CULVERT REMOVAL AND REPLACEMENT 15-inch	80 lin. ft.		\$ 100.00	\$ 8,000.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	725 sq.yd.		\$ 13.00	\$ 9,425.00
10	RESTORATION OF STREETS Bit. Concrete Street	0 sq.yd.		\$ 62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	171 sq.yd.		\$ 47.00	\$ 8,021.33
	Concrete	10 sq.yd.		\$ 79.00	\$ 790.00
12	REMOVE AND REPLACE SIDEWALK 4' Concrete	0 sq.ft.		\$ 13.00	\$ 0.00

Table 4.3-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Woodward and 63rd Street**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$ 2,594.00
14	EROSION CONTROL		Lump Sum	\$ 648.50
15	TRAFFIC CONTROL		Lump Sum	\$ 8,430.50
	SUBTOTAL			<u>\$ 151,160.83</u>

## SERVICE LATERALS

1	BUILDING SERVICE LINES				
	Near side	110	lin. ft.	\$ 48.00	\$ 5,280.00
	Far side	189	lin. ft.	\$ 48.00	\$ 9,072.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	11	each	\$ 540.00	\$ 5,940.00
	Far side	7	each	\$ 665.00	\$ 4,655.00
3	BUILDING SERVICE PLUG	18	each	\$ 203.00	\$ 3,654.00
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	219	sq.yd.	\$ 12.50	\$ 2,736.11
5	RESTORATION OF STREETS				
	Bit. Concrete Street	103	sq.yd.	\$ 61.00	\$ 6,262.67
6	TRENCH BACKFILL				
	0-8 feet deep	182	lin. ft.	\$ 60.00	\$ 10,920.00
	SUBTOTAL				<u>\$ 48,519.78</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 199,700.00</u>
	Contingencies (20%)				\$39,900.00
	Engineering (20%)				\$39,900.00
	Legal / Admin (6%)				\$16,800.00
	Easement Acquisition				\$18,100.00
	TOTAL OPINION OF PROBABLE COST				<u><b>\$ 314,400.00</b></u>

Cost per lot \$17,470.00



Table 4.3-13

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee and Boundry (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Lee Avenue</u>					
H-2-151 (existing)	750.0	735.65	400	1.60%	14.4
UC-51	750.0	742.05			8.0
UC-52	760.0	748.05	400	1.50%	12.0
UC-53	770.0	762.05	400	3.50%	8.0
<u>Boundary Road</u>					
UC-41	753.0	742.10	430	1.50%	10.9

Table 4.3-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee and Boundary (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	509 lin. ft.	\$	73.00	\$ 37,157.00
	8-12 feet deep	754 lin. ft.	\$	85.00	\$ 64,090.00
	12-16 feet deep	367 lin. ft.	\$	103.00	\$ 37,801.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	2 each	\$	4,700.00	\$ 9,400.00
	8-12 feet deep	2 each	\$	6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	2 each	\$	6,000.00	\$ 12,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	130 lin. ft.	\$	91.00	\$ 11,830.00
	8-12 feet deep	225 lin. ft.	\$	110.00	\$ 24,750.00
	12-16 feet deep	42 lin. ft.	\$	134.00	\$ 5,628.00
5	TREE TUNNELING	79 lin. ft.	\$	187.00	\$ 14,773.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,630 lin. ft.	\$	2.45	\$ 3,993.50
7	SEWER TESTING FOR FINAL INSPECTION	1,630 lin. ft.	\$	2.45	\$ 3,993.50
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	200 lin. ft.	\$	79.00	\$ 15,800.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	2,901 sq.yd.	\$	13.00	\$ 37,713.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	93 sq.yd.	\$	62.00	\$ 5,766.00
	PCC Curb & Gutter	20 lin. ft.	\$	40.00	\$ 800.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	158 sq.yd.	\$	47.00	\$ 7,426.00
	PCC Driveway	83 sq.yd.	\$	79.00	\$ 6,557.00
	Aggregate Driveway	61 sq.yd.	\$	20.00	\$ 1,220.00
12	TREE REMOVAL AND TRIMMING		Lump Sum		\$ 1,621.25

Table 4.3-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee and Boundary (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL		Lump Sum	\$ 7,133.50
	SUBTOTAL			<u>\$ 322,501.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	200 lin. ft.	\$ 48.00	\$ 9,600.00
	Far side	1,064 lin. ft.	\$ 48.00	\$ 51,072.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	20 each	\$ 540.00	\$ 10,800.00
	Far side	19 each	\$ 665.00	\$ 12,635.00
3	BUILDING SERVICE PLUG	39 each	\$ 203.00	\$ 7,917.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	1,017 sq.yd.	\$ 12.50	\$ 12,712.50
5	RESTORATION OF STREETS			
	Bit. Concrete Street	377 sq.yd.	\$ 61.00	\$ 22,997.00
6	TRENCH BACKFILL			
	0-8 feet deep	519 lin. ft.	\$ 60.00	\$ 31,140.00
	SUBTOTAL			<u>\$ 158,873.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 481,400.00</u>
	Contingencies (20%)			\$96,300.00
	Engineering (20%)			\$96,300.00
	Legal / Admin (6%)			\$40,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 714,400.00</b></u>
	Cost per lot			\$18,320.00

Table 4.3-15

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Springside Avenue</u>					
H-2-166 (existing)	740.0	726.63	250	0.80%	13.4
UC-55	742.0	728.63			13.4
UC-56	749.0	735.83	400	1.80%	13.2

Table 4.3-16

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep	650 lin. ft.		\$ 73.00	\$ 47,450.00
2	SANITARY MANHOLES 48-inch 0-8 feet deep	2 each		\$ 4,700.00	\$ 9,400.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1 each		\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 0-8 feet deep	206 lin. ft.		\$ 91.00	\$ 18,746.00
5	TREE TUNNELING	60 lin. ft.		\$ 187.00	\$ 11,220.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	650 lin. ft.		\$ 2.45	\$ 1,592.50
7	SEWER TESTING FOR FINAL INSPECTION	650 lin. ft.		\$ 2.45	\$ 1,592.50
8	CULVERT REMOVAL AND REPLACEMENT 15-inch	150 lin. ft.		\$ 100.00	\$ 15,000.00
9	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,098 sq.yd.		\$ 13.00	\$ 14,274.00
10	RESTORATION OF STREETS Bit. Concrete Street	35 sq.yd.		\$ 62.00	\$ 2,170.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	110 sq.yd.		\$ 47.00	\$ 5,170.00
12	TREE REMOVAL AND TRIMMING		Lump Sum		\$ 1,945.50
13	EROSION CONTROL		Lump Sum		\$ 648.50

Table 4.3-16

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 3,242.50
	SUBTOTAL			<u>\$ 138,451.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	80 lin. ft.	\$ 48.00	\$ 3,840.00
	Far side	450 lin. ft.	\$ 48.00	\$ 21,600.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	5 each	\$ 540.00	\$ 2,700.00
	Far side	9 each	\$ 665.00	\$ 5,985.00
3	BUILDING SERVICE PLUG	14 each	\$ 203.00	\$ 2,842.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	400 sq.yd.	\$ 12.50	\$ 5,000.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	160 sq.yd.	\$ 61.00	\$ 9,760.00
6	TRENCH BACKFILL			
	0-8 feet deep	216 lin. ft.	\$ 60.00	\$ 12,960.00
	SUBTOTAL			<u>\$ 64,687.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 203,100.00</u>
	Contingencies (20%)			\$40,600.00
	Engineering (20%)			\$40,600.00
	Legal / Admin (6%)			\$17,100.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 301,400.00</u>
	Cost per lot			\$21,530.00

Table 4.3-17

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside-Jefferson-Downers (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Downers Drive</u>					
H-3-2-14 (existing)	755.0	736.20			18.8
UC-57	754.0	736.35	38	0.40%	17.6
UC-58	756.0	737.35	250	0.40%	18.6
UC-59	754.0	738.36	253	0.40%	15.6
UC-60	757.5	739.73	341	0.40%	17.8
UC-61	753.0	741.09	340	0.40%	11.9
<u>Jefferson Drive</u>					
UC-62	750.0	742.09	250	0.40%	7.9
<u>Springside Avenue</u>					
UC-63	750.0	742.97	220	0.40%	7.0
UC-64	750.0	742.88	198	0.40%	7.1
UC-65	763.0	750.56	384	2.00%	12.4
UC-66	764.0	751.96	140	1.00%	12.0
H-3-110 (existing)	755.3	745.25			10.0
UC-67	764.0	754.85	320	3.00%	9.1

Table 4.3-18

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside-Jefferson-Downers (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch	0-8 feet deep	418	lin. ft.	\$ 73.00	\$ 30,514.00
		8-12 feet deep	1,114	lin. ft.	\$ 85.00	\$ 94,690.00
		12-16 feet deep	588	lin. ft.	\$ 103.00	\$ 60,564.00
		16-20 feet deep	614	lin. ft.	\$ 124.00	\$ 76,136.00
2	SANITARY MANHOLES					
	48-inch	0-8 feet deep	3	each	\$ 4,700.00	\$ 14,100.00
		8-12 feet deep	4	each	\$ 6,200.00	\$ 24,800.00
		12-16 feet deep	1	each	\$ 7,500.00	\$ 7,500.00
		16-20 feet deep	3	each	\$ 10,000.00	\$ 30,000.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch		2	each	\$ 6,000.00	\$ 12,000.00
4	TRENCH BACKFILL					
	8-inch	0-8 feet deep	370	lin. ft.	\$ 91.00	\$ 33,670.00
		8-12 feet deep	680	lin. ft.	\$ 110.00	\$ 74,800.00
		12-16 feet deep	481	lin. ft.	\$ 134.00	\$ 64,454.00
		16-20 feet deep	608	lin. ft.	\$ 175.00	\$ 106,400.00
5	TREE TUNNELING		60	lin. ft.	\$ 187.00	\$ 11,220.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION		2,734	lin. ft.	\$ 2.45	\$ 6,698.30
7	SEWER TESTING FOR FINAL INSPECTION		2,734	lin. ft.	\$ 2.45	\$ 6,698.30
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch		160	lin. ft.	\$ 79.00	\$ 12,640.00
9	RESTORATION OF LAWNS AND PARKWAYS					
	Topsoil and sod		3,850	sq.yd.	\$ 13.00	\$ 50,050.00
10	RESTORATION OF STREETS					
	Bit. Concrete Street		625	sq.yd.	\$ 62.00	\$ 38,750.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous		255	sq.yd.	\$ 47.00	\$ 11,985.00
	Concrete		72	sq.yd.	\$ 79.00	\$ 5,688.00
	Aggregate		162	sq.yd.	\$ 20.00	\$ 3,240.00



Table 4.3-18

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Springside-Jefferson-Downers (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING		Lump Sum	\$ 2,918.25
13	EROSION CONTROL		Lump Sum	\$ 972.75
14	TRAFFIC CONTROL:		Lump Sum	\$ 6,485.00
	SUBTOTAL			<u>\$ 780,488.60</u>

## SERVICE LATERALS

1	BUILDING SERVICE LINES				
	Near side	495	lin. ft.	\$ 48.00	\$ 23,760.00
	Far side	912	lin. ft.	\$ 48.00	\$ 43,776.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	33	each	\$ 540.00	\$ 17,820.00
	Far side	19	each	\$ 665.00	\$ 12,635.00
3	BUILDING SERVICE PLUG	52	each	\$ 203.00	\$ 10,556.00
4	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	842	sq.yd.	\$ 12.50	\$ 10,525.00
5	RESTORATION OF STREETS				
	Bit. Concrete Street	388	sq.yd.	\$ 61.00	\$ 23,668.00
6	TRENCH BACKFILL				
	0-8 feet deep	494	lin. ft.	\$ 60.00	\$ 29,640.00
7	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	24	sq.yd.	\$ 46.00	\$ 1,104.00
	SUBTOTAL				<u>\$ 173,484.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 954,000.00</u>

Contingencies	(20%)	\$190,800.00
Engineering	(20%)	\$190,800.00
Legal / Admin	(6%)	\$80,100.00

**TOTAL OPINION OF PROBABLE COST** **\$ 1,415,700.00**

Cost per lot \$27,230.00

Table 4.3-19

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing-Woodward-Maple (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Maple Avenue</u>					
2-C-131 (existing)	730.2	711.80	300	2.00%	18.4
UC-106	740.0	729.80			10.2
2-C-151 (existing)	741.6	723.72	450	3.50%	17.9
UC-71	752.0	739.47			12.5
UC-70	760.0	748.47			11.5
<u>Woodward Avenue</u>					
2-C-155 (existing)	735.7	727.36	400	1.00%	8.3
UC-86	746.0	731.36			14.6
UC-87	750.0	739.36	400	2.00%	10.6
UC-88	760.0	751.36	400	5.00%	8.6
UC-89	778.0	761.36		5.00%	16.6
<u>Blanchard Street</u>					
UC-77	739.0	730.94	325	1.10%	8.1
UC-78	756.0	735.62	390	1.20%	20.4
<u>Pershing Avenue</u>					
UC-79	750.0	737.22	400	0.40%	12.8
UC-80	747.5	738.82	400	0.40%	8.7
UC-81	752.0	739.46	160	0.40%	12.5
UC-82	764.0	750.07	225	5.00%	13.9
UC-84	752.0	738.42	350	0.80%	13.6
UC-85	750.0	741.62	400	0.80%	8.4
<u>59th Street</u>					
UC-83	748.5	741.06	400	0.40%	7.4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing-Woodward-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch	0-8 feet deep	1,130 lin. ft.	\$ 73.00	\$ 82,490.00
		8-12 feet deep	3,300 lin. ft.	\$ 85.00	\$ 280,500.00
		12-16 feet deep	960 lin. ft.	\$ 103.00	\$ 98,880.00
		16-20 feet deep	460 lin. ft.	\$ 124.00	\$ 57,040.00
2	SANITARY MANHOLES				
	48-inch	0-8 feet deep	4 each	\$ 4,700.00	\$ 18,800.00
		8-12 feet deep	8 each	\$ 6,200.00	\$ 49,600.00
		12-16 feet deep	3 each	\$ 7,500.00	\$ 22,500.00
		16-20 feet deep	1 each	\$ 10,000.00	\$ 10,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch		3 each	\$ 6,000.00	\$ 18,000.00
4	TRENCH BACKFILL				
	8-inch	0-8 feet deep	1,203 lin. ft.	\$ 91.00	\$ 109,473.00
		8-12 feet deep	1,391 lin. ft.	\$ 110.00	\$ 153,010.00
		12-16 feet deep	676 lin. ft.	\$ 134.00	\$ 90,584.00
		16-20 feet deep	347 lin. ft.	\$ 175.00	\$ 60,725.00
5	TREE TUNNELING				
			440 lin. ft.	\$ 187.00	\$ 82,280.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION				
			5,850 lin. ft.	\$ 2.45	\$ 14,332.50
7	SEWER TESTING FOR FINAL INSPECTION				
			5,850 lin. ft.	\$ 2.45	\$ 14,332.50
8	CULVERT REMOVAL AND REPLACEMENT				
	15-inch		10 lin. ft.	\$ 100.00	\$ 1,000.00
	12-inch		185 lin. ft.	\$ 79.00	\$ 14,615.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod		6,027 sq.yd.	\$ 13.00	\$ 78,351.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street		2,018 sq.yd.	\$ 62.00	\$ 125,116.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous		695 sq.yd.	\$ 47.00	\$ 32,665.00
	PCC		55 sq.yd.	\$ 79.00	\$ 4,345.00

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Pershing-Woodward-Maple (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING		Lump Sum	\$ 1,297.00
13	EROSION CONTROL Silt Fence		Lump Sum	\$ 6,482.41
14	TRAFFIC CONTROL:		Lump Sum	\$ 11,673.00
	SUBTOTAL			<u>\$ 1,438,091.41</u>

**SERVICE LATERALS**

1	BUILDING SERVICE LINES				
	Near side	842	lin. ft.	\$ 48.00	\$ 40,416.00
	Far side	2,286	lin. ft.	\$ 48.00	\$ 109,728.00
	Riser Pipes	74	vert. ft.	\$ 46.00	\$ 3,404.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	58	each	\$ 540.00	\$ 31,320.00
	Far side	46	each	\$ 665.00	\$ 30,590.00
3	BUILDING SERVICE PLUG	104	each	\$ 203.00	\$ 21,112.00
4	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	2,417	sq.yd.	\$ 12.50	\$ 30,212.50
5	RESTORATION OF STREETS				
	Bit. Concrete Street	562	sq.yd.	\$ 61.00	\$ 34,282.00
6	TRENCH BACKFILL				
	0-8 feet deep	1,090	lin. ft.	\$ 60.00	\$ 65,400.00
	SUBTOTAL				<u>\$ 366,464.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 1,804,600.00</u>
	Contingencies		(20%)		\$360,900.00
	Engineering		(20%)		\$360,900.00
	Legal / Admin		(6%)		\$151,600.00
	Easement Acquisition				\$42,800.00

**TOTAL OPINION OF PROBABLE COST** **\$ 2,720,800.00**

Cost per lot \$26,160.00

Table 4.3-21

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Sherman Avenue (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Sherman Avenue</u>					
2-C-142 (existing)	734.5	726.04	212	2.00%	8.5
UC-90	752.0	730.28	400	0.40%	21.7
UC-91	746.0	731.88	400	0.40%	14.1
UC-92	742.0	733.48	400	3.00%	8.5
UC-93	760.0	745.48	400	3.00%	14.5
UC-94	767.0	757.48			9.5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Sherman Avenue (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 8-12 feet deep	870	lin. ft.	\$ 85.00	\$ 73,950.00
	12-16 feet deep	570	lin. ft.	\$ 103.00	\$ 58,710.00
	16-20 feet deep	385	lin. ft.	\$ 124.00	\$ 47,740.00
2	SANITARY MANHOLES				
	48-inch 8-12 feet deep	2	each	\$ 6,200.00	\$ 12,400.00
	12-16 feet deep	2	each	\$ 7,500.00	\$ 15,000.00
	16-20 feet deep	1	each	\$ 10,000.00	\$ 10,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 8-12 feet deep	870	lin. ft.	\$ 110.00	\$ 95,700.00
	12-16 feet deep	570	lin. ft.	\$ 134.00	\$ 76,380.00
	16-20 feet deep	385	lin. ft.	\$ 175.00	\$ 67,375.00
5	TREE TUNNELING	120	lin. ft.	\$ 187.00	\$ 22,440.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,825	lin. ft.	\$ 2.45	\$ 4,471.25
7	SEWER TESTING FOR FINAL INSPECTION	1,825	lin. ft.	\$ 2.45	\$ 4,471.25
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	360	lin. ft.	\$ 79.00	\$ 28,440.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	2,847	sq.yd.	\$ 13.00	\$ 37,011.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	89	sq.yd.	\$ 62.00	\$ 5,518.00
11	STORM SEWER REMOVAL AND REPLACEMENT				
	18" RCP	20	lin. ft.	\$ 100.00	\$ 2,000.00
12	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	428	sq.yd.	\$ 47.00	\$ 20,116.00
	Concrete	43	sq.yd.	\$ 79.00	\$ 3,397.00

Table 4.3-22

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Sherman Avenue (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$ 1,621.25
14	EROSION CONTROL		Lump Sum	\$ 648.50
15	TRAFFIC CONTROL		Lump Sum	\$ 6,485.00
	SUBTOTAL			<u>\$ 599,874.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	405 lin. ft.	\$ 48.00	\$ 19,440.00
	Far side	1,377 lin. ft.	\$ 48.00	\$ 66,096.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	27 each	\$ 540.00	\$ 14,580.00
	Far side	27 each	\$ 665.00	\$ 17,955.00
3	BUILDING SERVICE PLUG	54 each	\$ 203.00	\$ 10,962.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	1,260 sq.yd.	\$ 12.50	\$ 15,750.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	504 sq.yd.	\$ 61.00	\$ 30,744.00
6	TRENCH BACKFILL			
	0-8 feet deep	648 lin. ft.	\$ 60.00	\$ 38,880.00
	SUBTOTAL			<u>\$ 214,407.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 814,300.00</u>
	Contingencies (20%)			\$162,900.00
	Engineering (20%)			\$162,900.00
	Legal / Admin (6%)			\$68,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,208,500.00</b></u>
	Cost per lot			\$22,380.00

Table 4.3-23

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee Avenue (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Maple Avenue</u>					
2-C-147 (existing)	750.8	737.48	380	3.00%	13.3
UC-99	760.0	748.88			11.1
<u>Lee Avenue</u>					
2-C-149 (existing)	759.1	745.52	260	0.40%	13.6
UC-101	762.0	746.56			15.4
UC-102	756.0	748.16	400	0.40%	7.8
UC-103	760.0	751.36	400	0.80%	8.6
UC-104	767.0	758.56	400	1.80%	8.4
UC-105	774.0	765.76	400	1.80%	8.2



**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee Cost Estimate**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	200 lin. ft.		\$ 73.00	\$ 14,600.00
	8-12 feet deep	1,250 lin. ft.		\$ 85.00	\$ 106,250.00
	12-16 feet deep	140 lin. ft.		\$ 103.00	\$ 14,420.00
	16-20 feet deep	260 lin. ft.		\$ 124.00	\$ 32,240.00
2	DIRECTIONAL DRILLING				
	8-inch	400 lin. ft.		\$ 268.00	\$ 107,200.00
3	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1 each		\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	2 each		\$ 6,200.00	\$ 12,400.00
	12-16 feet deep	2 each		\$ 7,500.00	\$ 15,000.00
	16-20 feet deep	1 each		\$ 10,000.00	\$ 10,000.00
4	CONNECTION TO EXISTING MANHOLE				
	8-inch	2 each		\$ 6,000.00	\$ 12,000.00
5	TRENCH BACKFILL				
	8-inch 0-8 feet deep	200 lin. ft.		\$ 91.00	\$ 18,200.00
	8-12 feet deep	1,250 lin. ft.		\$ 110.00	\$ 137,500.00
	12-16 feet deep	140 lin. ft.		\$ 134.00	\$ 18,760.00
	16-20 feet deep	260 lin. ft.		\$ 175.00	\$ 45,500.00
6	TREE TUNNELING	0 lin. ft.		\$ 187.00	\$ 0.00
7	SEWER TELEVISION FOR FINAL INSPECTION	2,250 lin. ft.		\$ 2.45	\$ 5,512.50
8	SEWER TESTING FOR FINAL INSPECTION	2,250 lin. ft.		\$ 2.45	\$ 5,512.50
9	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	55 lin. ft.		\$ 79.00	\$ 4,345.00
10	STORM SEWER REMOVAL AND REPLACEMENT				
	18" RCP	20 lin. ft.		\$ 100.00	\$ 2,000.00
11	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	457 sq.yd.		\$ 13.00	\$ 5,941.00
12	RESTORATION OF STREETS				
	Bit. Concrete Street	1,678 sq.yd.		\$ 62.00	\$ 104,036.00

Table 4.3-24

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lee Cost Estimate**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	711 sq.yd.	\$ 47.00	\$ 33,417.00
	Concrete	178 sq.yd.	\$ 79.00	\$ 14,062.00
14	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 648.50
15	EROSION CONTROL		Lump Sum	\$ 648.50
16	TRAFFIC CONTROL		Lump Sum	\$ 9,727.50
	SUBTOTAL			\$ 734,620.50
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	522 lin. ft.	\$ 48.00	\$ 25,056.00
	Far side	1,200 lin. ft.	\$ 48.00	\$ 57,600.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	29 each	\$ 540.00	\$ 15,660.00
	Far side	25 each	\$ 665.00	\$ 16,625.00
3	BUILDING SERVICE PLUG	54 each	\$ 203.00	\$ 10,962.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	1,156 sq.yd.	\$ 12.50	\$ 14,450.00
5	RESTORATION OF STREETS			
	Bit. Concrete Street	422 sq.yd.	\$ 61.00	\$ 25,742.00
6	TRENCH BACKFILL			
	0-8 feet deep	625 lin. ft.	\$ 60.00	\$ 37,500.00
	SUBTOTAL			\$ 203,595.00
	TOTAL ESTIMATE OF CONSTRUCTION COST			\$ 938,200.00
	Contingencies (20%)			\$187,600.00
	Engineering (20%)			\$187,600.00
	Legal / Admin (6%)			\$78,800.00
	Easement Acquisition			\$14,600.00
	TOTAL OPINION OF PROBABLE COST			<b>\$ 1,406,800.00</b>
	Cost per lot			\$26,050.00

Table 4.3-25

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Downers Grove Gardens Sub-Area**  
**Cost Summary**

March 2019

Sub-Basin:	Near Services	Far Services		Cost	Cost per lot
Janes-Leonard-Chase-Puffer (North)	37	31	\$	1,249,500.00	\$ 18,380.00
Janes-Leonard-Chase-Puffer (South)	72	57	\$	2,355,300.00	\$ 18,260.00
Belmont-Southwest	25	0	\$	607,800.00	\$ 24,310.00
Belmont Road (East)	52	0	\$	1,197,300.00	\$ 23,030.00
Pershing Avenue (South)	32	32	\$	1,139,500.00	\$ 17,800.00
Woodward and 63rd Street	11	7	\$	314,400.00	\$ 17,470.00
Lee and Boundary (South)	20	19	\$	714,400.00	\$ 18,320.00
Springside (South)	5	9	\$	301,400.00	\$ 21,530.00
Springside-Jefferson-Downers (North)	33	19	\$	1,415,700.00	\$ 27,230.00
Pershing-Woodward-Maple (North)	58	46	\$	2,720,800.00	\$ 26,160.00
Sherman Avenue (North)	27	27	\$	1,208,500.00	\$ 22,380.00
Lee Avenue (North)	29	25	\$	1,406,800.00	\$ 26,050.00

TOTALS	401	272	\$	14,631,400.00	\$ 21,740.00
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**673**

#### 4.4 Fairhaven Court

Fairhaven Court is a small service area adjacent to the Downers Grove Gardens sub-area. Exhibit 4.4 shows the approximate limits of this service area which is located north of Maple Avenue. The proposed service area currently includes 10 lots that are developed as single-family residences with septic systems. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving properties along Fairhaven Court.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, tree protection, water main and existing utility location. In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The one major road crossing that would significantly increase construction cost in this sub-area is Maple Avenue. Thus, alternatives were considered to minimize crossing of this roadway.

The Village of Downers Grove owns and operates a water main on Fairhaven Court. Water main locations were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Fairhaven Court sub-area.

A map of the proposed sewer plan is included in Exhibit 4.4.

The topography along Fairhaven Court is relatively flat, and thus, the direction of flow will be dictated by the available sewer depth and the most cost effective route. We identified two existing manholes that would provide adequate cover and would be feasible alternatives for connection points: the manhole located east of the dead end of Fairhaven Court and the manhole along Maple Avenue at Stonewall Avenue. We recommend the first alternative, connecting east of the dead end at Fairhaven Court to reduce the additional cost and pipe footage required to install a sewer in the Maple Avenue right-of-way.

The sewer should be placed in an easement on east side of Fairhaven Court. Previous studies have planned for the sewer to be installed east of the edge of pavement. Our field investigation determined that there is a significant amount of new landscaping, brickwork, lighting, and concrete driveways located in the proposed sewer path. Thus, we recommend that the sewer be installed in the east half of the pavement, opposite of the existing water main which is located west of the pavement centerline. Table 4.4-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.4-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$376,300, including contingency, engineering, and legal/administrative costs.

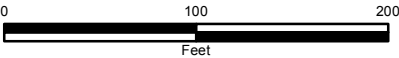
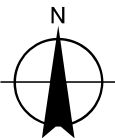
DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

EXHIBIT 4.4

FAIRHAVEN COURT  
POSSIBLE SEWER ALIGNMENT

MARCH 2019

- LEGEND**
- PROPOSED MANHOLES
  - PROPOSED SEWERS
  - EXISTING MANHOLES
  - EXISTING SEWERS
  - PARCEL BOUNDARIES
  - FAIRHAVEN COURT



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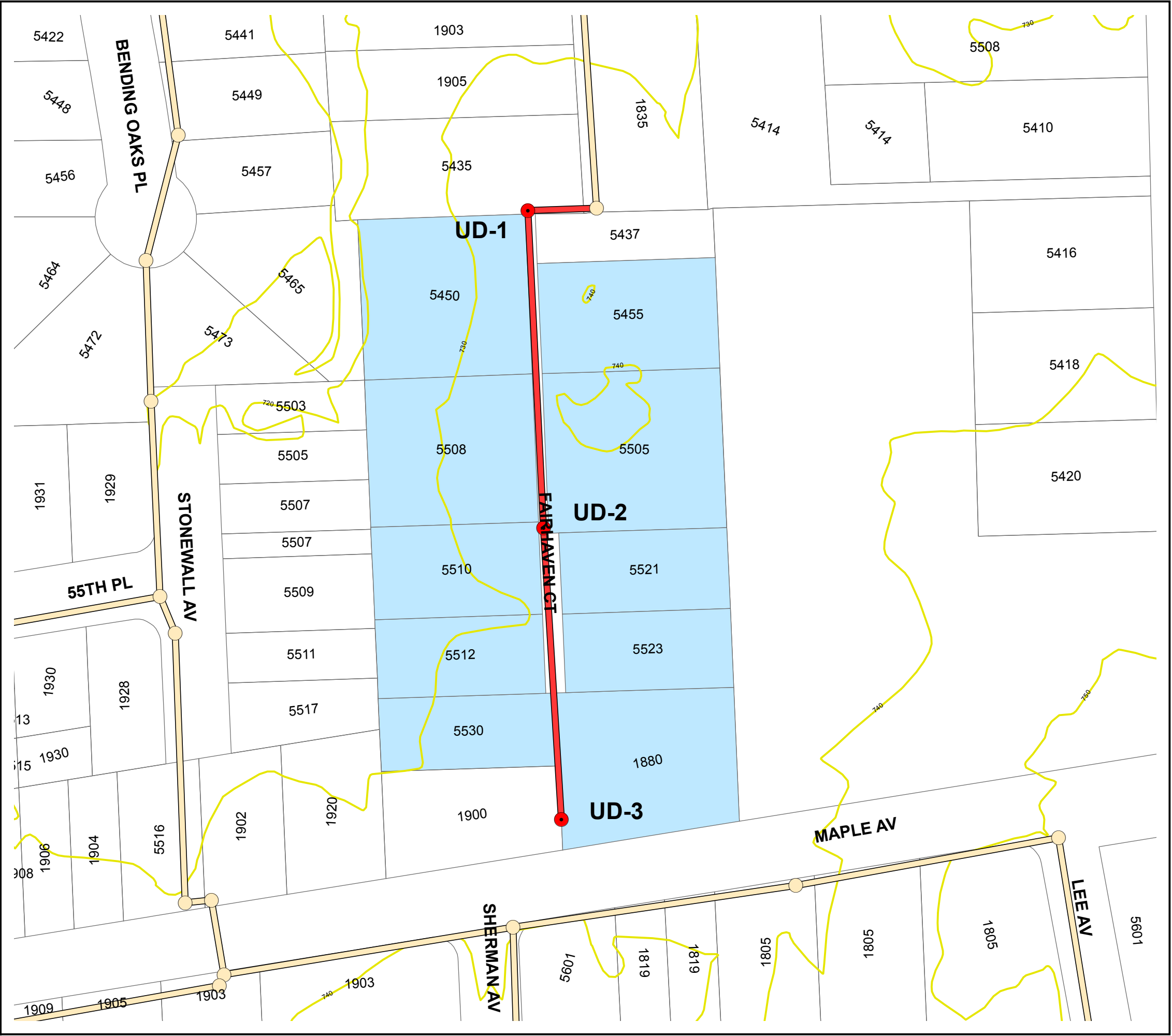


Table 4.4-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairhaven Court**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Fairhaven Court</u>					
2-C-133 (existing)	736.0	723.00	60	0.40%	13.0
UD-1	734.0	723.24	320	0.50%	10.8
UD-2	734.0	724.84	290	0.50%	9.2
UD-3	735.0	726.29			8.7

Table 4.4-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairhaven Court**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	670 lin. ft.	\$	85.00	\$ 56,950.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	3 each	\$	6,200.00	\$ 18,600.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1 each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	630 lin. ft.	\$	110.00	\$ 69,300.00
5	TREE TUNNELING	0 lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	670 lin. ft.	\$	2.45	\$ 1,641.50
7	SEWER TESTING FOR FINAL INSPECTION	670 lin. ft.	\$	2.45	\$ 1,641.50
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	0 lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	111 sq.yd.	\$	13.00	\$ 1,443.00
10	RESTORATION OF STREETS Bit. Concrete Street	560 sq.yd.	\$	62.00	\$ 34,720.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	0 sq.yd.	\$	47.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING		Lump Sum		\$ 324.25
13	EROSION CONTROL		Lump Sum		\$ 324.25

Table 4.4-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairhaven Court**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL		Lump Sum	\$ 6,485.00
	SUBTOTAL			<u>\$ 197,429.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	100 lin. ft.	\$ 48.00	\$ 4,800.00
	Far side	125 lin. ft.	\$ 48.00	\$ 6,000.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	5 each	\$ 540.00	\$ 2,700.00
	Far side	5 each	\$ 665.00	\$ 3,325.00
3	BUILDING SERVICE PLUG	10 each	\$ 203.00	\$ 2,030.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	139 sq.yd.	\$ 12.50	\$ 1,737.50
5	RESTORATION OF STREETS			
	Bit. Concrete Street	33 sq.yd.	\$ 61.00	\$ 2,013.00
6	TRENCH BACKFILL			
	0-8 feet deep	70 lin. ft.	\$ 60.00	\$ 4,200.00
	SUBTOTAL			<u>\$ 26,805.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 224,200.00</u>
	Contingencies (20%)			\$44,800.00
	Engineering (20%)			\$44,800.00
	Legal / Admin (6%)			\$18,800.00
	Easement Acquisition			\$43,700.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 376,300.00</b></u>
	Cost per lot			\$37,630.00



#### 4.5 Burlington Highlands

Burlington Highlands is a large sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.5, the approximate limits of this sub-area are Herbert Street to the north, Lacey Road to the west, Grant Street to the south, and Venard Road to the east. The proposed service area includes approximately 196 lots that are mostly developed as single-family residences with septic systems with some potential commercial lots on Ogden Avenue. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving properties within Burlington Highlands.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The Burlington Highlands sub-area has three major drainage divides. Serving the subject properties by following the ground contours will avoid deep cuts through the higher elevations along drainage divide. The study area can be divided into four smaller service areas. Properties to the southwest will be served by the existing sanitary sewer south of I-88 (at Lacey and Virginia). Central properties will be served by existing sewers southeast of I-88 (near Morton and Herbert). Residences on Venard Road, north of Drove Avenue will be served by the existing sewer stub 500 feet south of Parrish Court. Residences on Venard Road, just north of Ogden Avenue will be served by the existing sewer south of the park.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The one major road crossing that would significantly increase construction cost in this sub-area is Ogden Avenue. Thus, alternatives were considered to minimize crossing of this route with both the mainline sewer and building services.

The sewer layout also considered the several wetlands that are located within the sub-area at the following locations: between Morton and Downers (proposed side yard easement), and various small wetlands located in the vacant development south of Ogden Avenue. Avoiding these wetlands will minimize the time and expense involved in the permitting process for construction in wetlands, as well as reduce the costs associated with restoring these areas.

The Village of Downers Grove and the DuPage Water Commission own and operate water mains on the streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Burlington Highlands sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
Morton and Downers	39	Table 4.5-1	Table 4.5-2
40 <sup>th</sup> and Seeley (North)	21	Table 4.5-3	Table 4.5-4
40 <sup>th</sup> and Northcott	14	Table 4.5-5	Table 4.5-6
Virginia-Seeley-Janet-Downers	43	Table 4.5-7	Table 4.5-8
Belle Aire and Venard	21	Table 4.5-9	Table 4.5-10
Venard Road (North)	10	Table 4.5-11	Table 4.5-12
<i>Venard Road (South)</i>	<i>(completed)</i>	<i>Table 4.5-13</i>	<i>Table 4.5-14</i>
Virginia Avenue (West)	6	Table 4.5-15	Table 4.5-16
Lacey-Carol-Northcott	1	Table 4.5-17	Table 4.5-18
Lacey and Janet	14	Table 4.5-19	Table 4.5-20
Ogden-Lacey-Grant-Lee (South)	27	Table 4.5-21	Table 4.5-22

Table 4.5-23 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.5.

The Morton and Downers sub-basin sewer plan follows the existing topography which falls from the intersection of Downers and Janet northwest to the creek crossing near Morton and I-88. In general, the sewer alignment on each street should be on the east side of the right-of-way because of the existing water main on the west side of the right-of-way. The existing sewer stub located at Herbert and Downers is too shallow to serve the subject area. The only feasible connection point is the trunk sewer located southeast of I-88. The sewer on Downers should extend west to Morton in a side yard easement along the creek north of 40<sup>th</sup> Street. This sub-basin is the second most costly per lot in Burlington Highlands due to the sewer easements that are required. Table 4.5-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,335,100, including contingency, engineering, easements, and legal/administrative costs.

The 40<sup>th</sup> and Seeley (North) sub-basin sewer plan also follows the existing topography which falls from Herbert and Seeley south to 40<sup>th</sup> Street and west to Downers. The sewer alignment on each street should be on the east side of the right-of-way on Seeley and the north side of 40<sup>th</sup> because of the existing water mains on the opposite sides of the right-of-way. Table 4.5-3 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-4 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$580,400, including contingency, engineering, and legal/administrative costs.

The 40<sup>th</sup> and Northcott sub-basin sewer plan includes the unsewered properties northeast of the ridge that runs from Virginia east of Lee to Janet west of Northcott. The sewer will flow north on Northcott to 40<sup>th</sup> and east along 40<sup>th</sup> to Downers Drive. Table 4.5-5 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$406,400, including contingency, engineering, and legal/administrative costs.

The Virginia-Seeley-Janet (South) sub-basin sewer plan follows the existing topography around the highpoint on Downers Dive by flowing east on Janet to Seeley, north to Virginia, and back west to Downers Drive. The proposed sewer must circle Downers Drive because the existing topography at Downers Drive and Janet Street would require a deep cut. Similar to other sub-basins, the sewer should be placed in the parkway opposite of the existing water main. A number of properties between Seeley and Belle Aire could be served by the existing sewer on Belle Aire, but it would require individual grinder pumps and force mains. In the past, the District has not allowed such connections. The proposed sewer on Seeley provides a much better way to serve these parcels by gravity. Table 4.5-7 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-8 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,098,700, including contingency, engineering, and legal/administrative costs.

The Belle Aire and Venard sub-basin sewer plan follows the same topography as the Morton and Downers sanitary sewer. All the properties on Belle Aire will flow towards Virginia Street while the sewer on Venard will flow to a low spot near the south end of the park. Similar to the Morton sewer, side yard easements should be obtained to connect Venard to Belle Aire. The required landscaping restoration and easements will be expensive, but the properties on Venard cannot be served by the existing sewer south of 4146 Venard Road or by a sewer on Drove Avenue. This sub-basin is the most costly per lot in Burlington Highlands due to the sewer easements and landscaping. Table 4.5-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$890,100, including contingency, engineering, easements, and legal/administrative costs.

The Venard Road (North) sub-basin sewer plan follows the existing District flow basin as the sewer should flow north on Venard to existing manhole V1-172 in front of 4003 Venard Road. This sewer will serve all remaining unsewered parcels north of Drove Avenue. The sewer should be placed in the east parkway between the edge-of-pavement and sidewalk. Table 4.5-11 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-12 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$358,600, including contingency, engineering, and legal/administrative costs.

Sanitary sewers are available to all parcels in The Venard Road (South) sub-basin as of March 2018. In 2017, approximately 88 feet of 8-inch sanitary sewer was installed with two service connections for a construction cost of \$9,916 to complete the sub-basin. In 2012, approximately 92 feet of 8-inch sanitary sewer and 2 services were constructed for a total price of \$20,000.

The Virginia Avenue (West) sub-basin sewer plan will follow the existing ridge on Virginia west to the existing manhole at 1653 Virginia Avenue. The sewer should be placed in the south right-of-way to avoid the existing water mains. Table 4.5-15 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-16 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$144,200, including contingency, engineering, and legal/administrative costs.

The Lacey-Carol-Northcott sub-basin sewer plan is for the address of 4219 Northcott Avenue. The best alternative is to follow the existing ground slope and connect to the manhole at 4211 Northcott Avenue. From there, the sewer will flow west on Carol Street and north on Lacey

Road. Since there is only one unsewered parcel in this basin, the project cost is high. Table 4.5-17 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-18 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$65,800, including contingency, engineering, and legal/administrative costs.

The Lacey and Janet sub-basin sewer plan will follow a similar drainage pattern as the sub-basin to the north. The sewer will flow west on Janet, connect to the existing manhole near 1747 Janet Street, and flow north on Lacey Road. The south right-of-way on Janet is the preferred alignment for the proposed sewer. Table 4.5-19 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-20 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$294,000, including contingency, engineering, and legal/administrative costs.

The Ogden-Lacey-Grant-Lee (South) sub-basin sewer plan follows the existing creek from south of Grant Street to Lacey north of Ogden. There are several potential connection points, but the existing sewer at Lacey is the only feasible alternative to serve the sub-basin because the existing manholes on Grant, Ogden, Stonewall, and Lee are too shallow. The sewers within the undeveloped property south of Ogden should be placed in utility easements. The construction cost for this sub-basin is expensive because of two reasons: the numerous easements required, and the required wetland permitting and restoration. The cost per lot was not calculated for this sub-area because of the several large commercial parcels. Table 4.5-21 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.5-22 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$1,389,500, including contingency, engineering, easements, and legal/administrative costs.

**DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN**

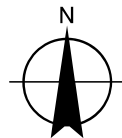
**EXHIBIT 4.5**

**BURLINGTON HIGHLANDS  
POSSIBLE SEWER ALIGNMENT**

**MARCH 2019**

**LEGEND**

- PROPOSED MANHOLES
- EXISTING MANHOLES
- PROPOSED SEWERS
- EXISTING SEWERS
- ▭ PARCEL BOUNDARIES
- ▭ MORTON AND DOWNERS; TABLES 4.5-1, 4.5-2
- ▭ 40TH AND SEELEY (NORTH); TABLES 4.5-3, 4.5-4
- ▭ 40TH AND NORTHCOTT; TABLES 4.5-5, 4.5-6
- ▭ VIRGINIA-SEELEY-JANET-DOWNERS; TABLES 4.5-7, 4.5-8
- ▭ BELLE AIRE AND VENARD; TABLES 4.5-9, 4.5-10
- ▭ VENARD ROAD (NORTH); TABLES 4.5-11, 4.5-12
- ▭ VENARD ROAD (SOUTH); TABLES 4.5-13, 4.5-14
- ▭ VIRGINIA AVENUE (WEST); TABLES 4.5-15, 4.5-16
- ▭ LACEY-CAROL-NORTHCOTT; TABLES 4.5-17, 4.5-18
- ▭ LACEY AND JANET; TABLES 4.5-19, 4.5-20
- ▭ OGDEN-LACEY-GRANT-LEE (SOUTH); TABLES 4.5-21, 4.5-22



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**BAXTER & WOODMAN**  
Consulting Engineers

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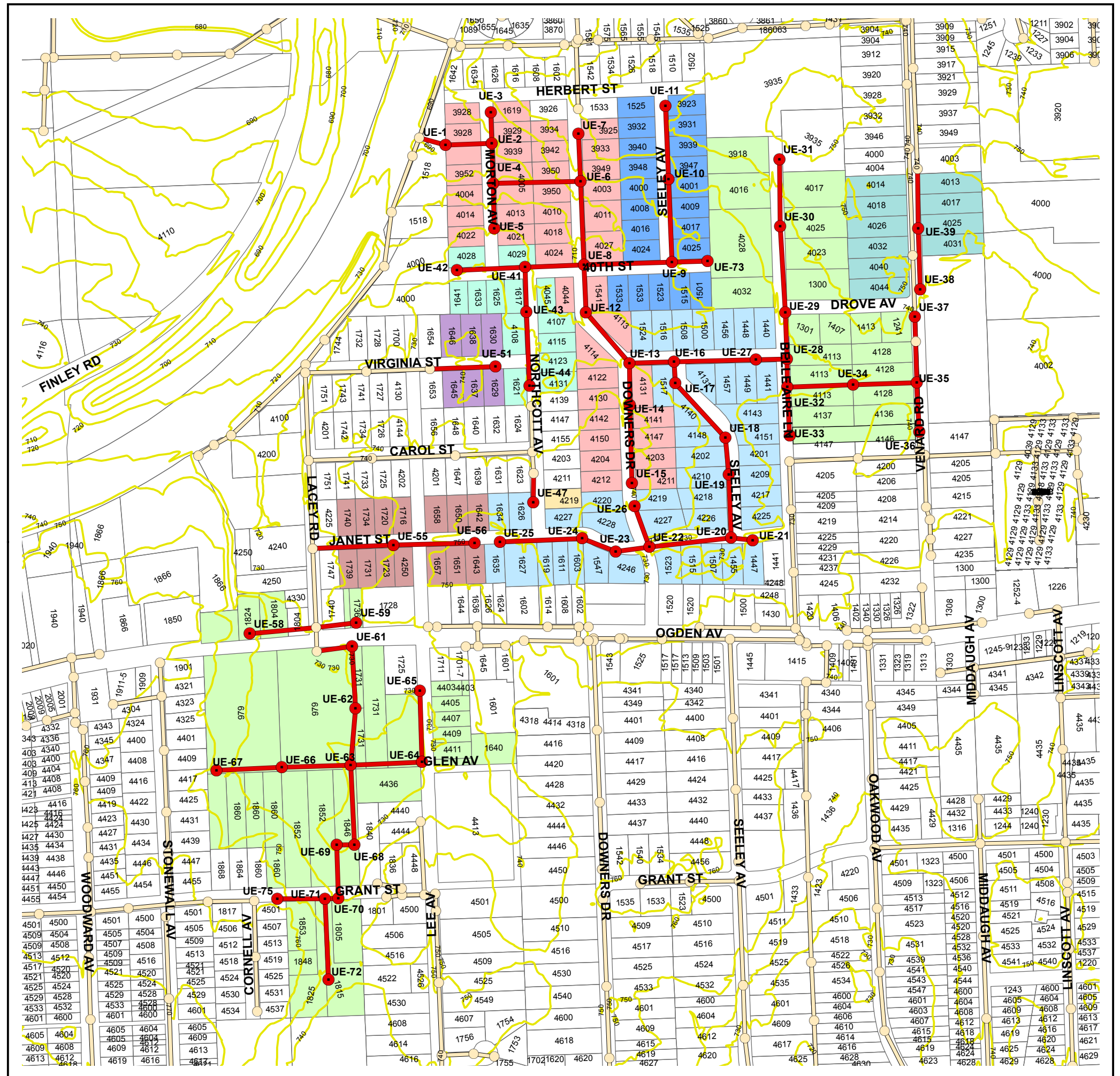


Table 4.5-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Morton and Downers**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Morton Avenue</u>					
N-2-001 existing	690.2	685.00			5.2
UE-1	694.5	686.00	100	1.00%	8.5
UE-2	698.5	688.25	225	1.00%	10.3
UE-3	705.5	694.95	150	3.00%	10.6
UE-4	703.3	690.45	220	1.00%	12.8
UE-5	720.0	707.45	220	5.00%	12.6
<u>Downers Drive</u>					
UE-6	716.0	698.45	400	2.00%	17.6
UE-7	724.0	710.95	250	5.00%	13.1
UE-8	713.5	704.45	400	1.50%	9.0
UE-12	719.5	709.45	250	2.00%	10.1
UE-13	729.0	714.25	320	1.50%	14.8
UE-14	738.0	719.65	180	3.00%	18.4
UE-15	741.0	729.65	400	2.50%	11.4

Table 4.5-2

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Morton and Downers**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	100	lin. ft.	\$ 73.00	\$ 7,300.00
	8-12 feet deep	1,295	lin. ft.	\$ 85.00	\$ 110,075.00
	12-16 feet deep	1,485	lin. ft.	\$ 103.00	\$ 152,955.00
	16-20 feet deep	235	lin. ft.	\$ 124.00	\$ 29,140.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0	each	\$ 4,700.00	\$ 0.00
	8-12 feet deep	6	each	\$ 6,200.00	\$ 37,200.00
	12-16 feet deep	4	each	\$ 7,500.00	\$ 30,000.00
	16-20 feet deep	2	each	\$ 10,000.00	\$ 20,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	0	lin. ft.	\$ 91.00	\$ 0.00
	8-12 feet deep	165	lin. ft.	\$ 110.00	\$ 18,150.00
	12-16 feet deep	520	lin. ft.	\$ 134.00	\$ 69,680.00
	16-20 feet deep	60	lin. ft.	\$ 175.00	\$ 10,500.00
5	TREE TUNNELING	110	lin. ft.	\$ 187.00	\$ 20,570.00
6	AUGER UNDER EXISTING BOX CULVERT	20	lin. ft.	\$ 465.00	\$ 9,300.00
7	SEWER TELEVISIONING FOR FINAL INSPECTION	3,115	lin. ft.	\$ 2.45	\$ 7,631.75
8	SEWER TESTING FOR FINAL INSPECTION	3,115	lin. ft.	\$ 2.45	\$ 7,632
9	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	160	lin. ft.	\$ 79.00	\$ 12,640.00
10	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	5,000	sq.yd.	\$ 13.00	\$ 65,000.00
11	RESTORATION OF STREETS				
	Bit. Concrete Street	85	sq.yd.	\$ 62.00	\$ 5,270.00
	PCC Sidewalk	2,500	sq. ft	\$ 13.00	\$ 32,500.00
12	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	230	sq.yd.	\$ 47.00	\$ 10,810.00
	Concrete	120	sq.yd.	\$ 79.00	\$ 9,480.00



Table 4.5-2

**Downers Grove Sanitary District  
Proposed Special Assessment  
Morton and Downers  
Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 19,455.00
14	EROSION CONTROL:		Lump Sum	\$ 12,970.00
15	TRAFFIC CONTROL:		Lump Sum	\$ 12,970.00
	SUBTOTAL			<u>\$ 717,228.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	320 lin. ft.	\$ 48.00	\$ 15,360.00
	Far side	950 lin. ft.	\$ 48.00	\$ 45,600.00
	Riser Pipes	75 vert. ft.	\$ 46.00	\$ 3,450.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	20 each	\$ 540.00	\$ 10,800.00
	Far side	19 each	\$ 665.00	\$ 12,635.00
3	BUILDING SERVICE PLUG:	39 each	\$ 203.00	\$ 7,917.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	490 sq.yd.	\$ 12.50	\$ 6,125.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	340 sq.yd.	\$ 61.00	\$ 20,740.00
6	TRENCH BACKFILL			
	8-12 feet deep	600 lin. ft.	\$ 81.00	\$ 48,600.00
	SUBTOTAL			<u>\$ 171,227.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 888,500.00</u>
	Contingencies (20%)			\$177,700.00
	Engineering (20%)			\$177,700.00
	Legal / Admin (6%)			\$74,600.00
	Easement Acquisition			\$16,600.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,335,100.00</b></u>
	Cost per lot			\$34,230.00



Table 4.5-3  
**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**40th and Seely (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>40th Place</u>					
UE-8	713.5	704.45	425	0.70%	9.0
UE-9	719.0	707.43			11.6
UE-73	722.0	712.23			9.8
<u>Seely Avenue</u>					
UE-10	725.0	715.43	400	2.00%	9.6
UE-11	736.0	725.48	335	3.00%	10.5

Table 4.5-4

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**40th and Seely (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	80 lin. ft.	\$	73.00	\$ 5,840.00
	8-12 feet deep	1,240 lin. ft.	\$	85.00	\$ 105,400.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0 each	\$	4,700.00	\$ 0.00
	8-12 feet deep	4 each	\$	6,200.00	\$ 24,800.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1 each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	50 lin. ft.	\$	91.00	\$ 4,550.00
	8-12 feet deep	402 lin. ft.	\$	110.00	\$ 44,220.00
5	TREE TUNNELING	80 lin. ft.	\$	187.00	\$ 14,960.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,320 lin. ft.	\$	2.45	\$ 3,234.00
7	SEWER TESTING FOR FINAL INSPECTION	1,320 lin. ft.	\$	2.45	\$ 3,234.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	188 lin. ft.	\$	79.00	\$ 14,852.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	1,895 sq.yd.	\$	13.00	\$ 24,635.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	20 sq.yd.	\$	62.00	\$ 1,240.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	126 sq.yd.	\$	47.00	\$ 5,922.00
	Concrete	0 sq.yd.	\$	79.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum		\$ 648.50

Table 4.5-4

**Downers Grove Sanitary District  
Proposed Special Assessment  
40th and Seely (North)  
Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
13	EROSION CONTROL:			Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:			Lump Sum	\$ 6,485.00
	SUBTOTAL				<u>\$ 266,669.00</u>
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	378	lin. ft.	\$ 48.00	\$ 18,144.00
	Far side	1,008	lin. ft.	\$ 48.00	\$ 48,384.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	9	each	\$ 540.00	\$ 4,860.00
	Far side	12	each	\$ 665.00	\$ 7,980.00
3	BUILDING SERVICE PLUG:	21	each	\$ 203.00	\$ 4,263.00
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	500	sq.yd.	\$ 12.50	\$ 6,250.00
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	168	sq.yd.	\$ 61.00	\$ 10,248.00
6	TRENCH BACKFILL				
	8-12 feet deep	300	lin. ft.	\$ 81.00	\$ 24,300.00
	SUBTOTAL				<u>\$ 124,429.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 391,100.00</u>
	Contingencies (20%)				\$78,200.00
	Engineering (20%)				\$78,200.00
	Legal / Admin (6%)				\$32,900.00
	TOTAL OPINION OF PROBABLE COST				<u><b>\$ 580,400.00</b></u>
	Cost per lot				\$27,640.00

Table 4.5-5  
**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**40th and Northcott**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>40th Place</u>					
UE-8	713.5	704.45	280	2.00%	9.0
UE-41	721.0	710.05			10.9
UE-42	729.0	716.05			12.9
<u>Northcott Avenue</u>					
UE-43	725.0	712.55	250	1.00%	12.4
UE-44	731.0	719.55	350	2.00%	11.4

Table 4.5-6

**Downers Grove Sanitary District  
Proposed Special Assessment  
40th and Northcott**

March 2019

**Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	15	lin. ft.	\$ 73.00	\$ 1,095.00
	8-12 feet deep	1,025	lin. ft.	\$ 85.00	\$ 87,125.00
	12-16 feet deep	140	lin. ft.	\$ 103.00	\$ 14,420.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0	each	\$ 4,700.00	\$ 0.00
	8-12 feet deep	4	each	\$ 6,200.00	\$ 24,800.00
	12-16 feet deep	0	each	\$ 7,500.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	0	lin. ft.	\$ 91.00	\$ 0.00
	8-12 feet deep	239	lin. ft.	\$ 110.00	\$ 26,290.00
	12-16 feet deep	15	lin. ft.	\$ 134.00	\$ 2,010.00
5	TREE TUNNELING	50	lin. ft.	\$ 187.00	\$ 9,350.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	1,180	lin. ft.	\$ 2.45	\$ 2,891.00
7	SEWER TESTING FOR FINAL INSPECTION	1,180	lin. ft.	\$ 2.45	\$ 2,891
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	30	lin. ft.	\$ 79.00	\$ 2,370.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	1,692	sq.yd.	\$ 13.00	\$ 21,996.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	39	sq.yd.	\$ 62.00	\$ 2,418.00
	PCC Sidewalk	0	sq. ft.	\$ 13.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	29	sq.yd.	\$ 47.00	\$ 1,363.00
	Concrete	0	sq.yd.	\$ 79.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 648.50

Table 4.5-6

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**40th and Northcott**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL:		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 5,836.50
	SUBTOTAL			<u>\$ 212,152.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	75 lin. ft.	\$ 48.00	\$ 3,600.00
	Far side	459 lin. ft.	\$ 48.00	\$ 22,032.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	5 each	\$ 540.00	\$ 2,700.00
	Far side	9 each	\$ 665.00	\$ 5,985.00
3	BUILDING SERVICE PLUG:	14 each	\$ 203.00	\$ 2,842.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	281 sq.yd.	\$ 12.50	\$ 3,512.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	132 sq.yd.	\$ 61.00	\$ 8,052.00
6	TRENCH BACKFILL			
	0-8 feet deep	216 lin. ft.	\$ 60.00	\$ 12,960.00
	SUBTOTAL			<u>\$ 61,683.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 273,800.00</u>
	Contingencies (20%)			\$54,800.00
	Engineering (20%)			\$54,800.00
	Legal / Admin (6%)			\$23,000.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 406,400.00</b></u>
	Cost per lot			\$29,030.00

Table 4.5-7  
**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Virginia-Seeley-Janet-Downers**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Virginia Street</u>					
UE-13	729.0	714.25	200	0.40%	14.8
UE-16	726.0	715.05	400	0.40%	11.0
UE-27	725.5	716.65	165	0.40%	8.9
UE-28	728.0	717.31			10.7
<u>Seeley Avenue</u>					
UE-17	726.0	715.49	110	0.40%	10.5
UE-18	728.0	716.83	335	0.40%	11.2
UE-19	727.0	717.59	190	0.40%	9.4
UE-20	728.0	718.87	320	0.40%	9.1
<u>Janet Street</u>					
UE-21	730.0	719.87	100	1.00%	10.1
UE-22	730.0	720.47	400	0.40%	9.5
UE-23	736.0	722.07	160	1.00%	13.9
UE-24	740.0	726.57	150	3.00%	13.4
UE-25	752.0	738.57	400	3.00%	13.4
<u>Downers Drive</u>					
UE-26	736.0	722.97	250	1.00%	13.0

Table 4.5-8

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Virginia-Seeley-Janet-Downers**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	720	lin. ft.	\$ 73.00	\$ 52,560.00
	8-12 feet deep	2,460	lin. ft.	\$ 85.00	\$ 209,100.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	4	each	\$ 4,700.00	\$ 18,800.00
	8-12 feet deep	9	each	\$ 6,200.00	\$ 55,800.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	86	lin. ft.	\$ 91.00	\$ 7,826.00
	8-12 feet deep	796	lin. ft.	\$ 110.00	\$ 87,560.00
5	TREE TUNNELING	90	lin. ft.	\$ 187.00	\$ 16,830.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	3,180	lin. ft.	\$ 2.45	\$ 7,791.00
7	SEWER TESTING FOR FINAL INSPECTION	3,180	lin. ft.	\$ 2.45	\$ 7,791.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	205	lin. ft.	\$ 79.00	\$ 16,195.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	4,312	sq.yd.	\$ 13.00	\$ 56,056.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	109	sq.yd.	\$ 62.00	\$ 6,758.00
	PCC Sidewalk	50	sq. ft.	\$ 13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	268	sq.yd.	\$ 47.00	\$ 12,596.00
	Concrete	0	sq.yd.	\$ 79.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,297.00



Table 4.5-8

**Downers Grove Sanitary District  
Proposed Special Assessment  
Virginia-Seeley-Janet-Downers  
Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL:		Lump Sum	\$ 1,297.00
14	TRAFFIC CONTROL:		Lump Sum	\$ 12,970.00
	SUBTOTAL			<u>\$ 577,877.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	375 lin. ft.	\$ 48.00	\$ 18,000.00
	Far side	918 lin. ft.	\$ 48.00	\$ 44,064.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	25 each	\$ 540.00	\$ 13,500.00
	Far side	18 each	\$ 665.00	\$ 11,970.00
3	BUILDING SERVICE PLUG:	43 each	\$ 203.00	\$ 8,729.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	878 sq.yd.	\$ 12.50	\$ 10,975.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	252 sq.yd.	\$ 61.00	\$ 15,372.00
6	TRENCH BACKFILL			
	8-12 feet deep	486 lin. ft.	\$ 81.00	\$ 39,366.00
7	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	10 sq. yd.	\$ 46.00	\$ 460.00
	SUBTOTAL			<u>\$ 162,436.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 740,300.00</u>
	Contingencies (20%)			\$148,100.00
	Engineering (20%)			\$148,100.00
	Legal / Admin (6%)			\$62,200.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 1,098,700.00</b></u>
	Cost per lot			\$25,550.00

Table 4.5-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Belle Aire and Venard**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Belle Aire Lane</u>					
UE-28	728.0	717.31	235	0.80%	10.7
UE-29	732.0	719.19	400	1.00%	12.8
UE-30	736.0	723.19	360	2.00%	12.8
UE-31	744.0	730.39	130	0.40%	13.6
UE-32	728.0	717.83	280	2.00%	10.2
UE-33	736.0	723.43			12.6
<u>Backyard Easement</u>					
UE-34	730.0	719.15	330	0.40%	10.9
UE-35	735.0	721.71	320	0.80%	13.3
<u>Venard Road</u>					
UE-36	738.0	727.11	270	2.00%	10.9
UE-37	738.0	727.71	300	2.00%	10.3

Table 4.5-10

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Belle Aire and Venard**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	150	lin. ft.	\$ 73.00	\$ 10,950.00
	8-12 feet deep	2,475	lin. ft.	\$ 85.00	\$ 210,375.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0	each	\$ 4,700.00	\$ 0.00
	8-12 feet deep	9	each	\$ 6,200.00	\$ 55,800.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	0	lin. ft.	\$ 91.00	\$ 0.00
	8-12 feet deep	758	lin. ft.	\$ 110.00	\$ 83,380.00
5	TREE TUNNELING	90	lin. ft.	\$ 187.00	\$ 16,830.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	2,625	lin. ft.	\$ 2.45	\$ 6,431.25
7	SEWER TESTING FOR FINAL INSPECTION	2,625	lin. ft.	\$ 2.45	\$ 6,431
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	20	lin. ft.	\$ 79.00	\$ 1,580.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	3,536	sq.yd.	\$ 13.00	\$ 45,968.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	530	sq.yd.	\$ 62.00	\$ 32,860.00
	PCC Sidewalk	50	sq. ft.	\$ 13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	167	sq.yd.	\$ 47.00	\$ 7,849.00
	Concrete	15	sq.yd.	\$ 79.00	\$ 1,185.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 16,212.50
13	EROSION CONTROL:			Lump Sum	\$ 9,727.50

Table 4.5-10

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Belle Aire and Venard**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL:		Lump Sum	\$ 9,727.50
	SUBTOTAL			<u>\$ 521,957.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	225 lin. ft.	\$ 48.00	\$ 10,800.00
	Far side	306 lin. ft.	\$ 48.00	\$ 14,688.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	15 each	\$ 540.00	\$ 8,100.00
	Far side	6 each	\$ 665.00	\$ 3,990.00
3	BUILDING SERVICE PLUG:	21 each	\$ 203.00	\$ 4,263.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	367 sq.yd.	\$ 12.50	\$ 4,587.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	84 sq.yd.	\$ 61.00	\$ 5,124.00
6	TRENCH BACKFILL			
	0-8 feet deep	162 lin. ft.	\$ 60.00	\$ 9,720.00
	SUBTOTAL			<u>\$ 61,272.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 583,200.00</u>
	Contingencies (20%)			\$116,600.00
	Engineering (20%)			\$116,600.00
	Legal / Admin (6%)			\$49,000.00
	Easement Acquisition			\$24,700.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 890,100.00</b></u>
	Cost per lot			\$42,390.00

Table 4.5-11

**Possible Special Assessment for Sanitary Sewers**  
**Burlington Highlands**  
**Venard Road (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Venard Road</u>					
V1-172 (existing)	742.0	734.24	300	0.40%	7.8
UE-39	746.0	735.44			10.6
UE-38	746.0	736.64	300	0.40%	9.4

Table 4.5-12

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Venard Road (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	150	lin. ft.	\$ 73.00	\$ 10,950.00
	8-12 feet deep	450	lin. ft.	\$ 85.00	\$ 38,250.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0	each	\$ 4,700.00	\$ 0.00
	8-12 feet deep	2	each	\$ 6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	150	lin. ft.	\$ 91.00	\$ 13,650.00
	8-12 feet deep	450	lin. ft.	\$ 110.00	\$ 49,500.00
5	TREE TUNNELING	0	lin. ft.	\$ 187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	600	lin. ft.	\$ 2.45	\$ 1,470.00
7	SEWER TESTING FOR FINAL INSPECTION	600	lin. ft.	\$ 2.45	\$ 1,470.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	40	lin. ft.	\$ 79.00	\$ 3,160.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	1,333	sq.yd.	\$ 13.00	\$ 17,329.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	0	sq.yd.	\$ 62.00	\$ 0.00
	PCC Sidewalk	2,000	sq. ft.	\$ 13.00	\$ 26,000.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	142	sq.yd.	\$ 47.00	\$ 6,674.00
	Concrete	27	sq.yd.	\$ 79.00	\$ 2,133.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$	324.25
13	EROSION CONTROL:		Lump Sum	\$	324.25

Table 4.5-12

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Venard Road (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	TRAFFIC CONTROL:		Lump Sum	\$ 8,430.50
	SUBTOTAL			<u>\$ 198,065.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	60 lin. ft.	\$ 48.00	\$ 2,880.00
	Far side	306 lin. ft.	\$ 48.00	\$ 14,688.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	4 each	\$ 540.00	\$ 2,160.00
	Far side	6 each	\$ 665.00	\$ 3,990.00
3	BUILDING SERVICE PLUG:	10 each	\$ 203.00	\$ 2,030.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	244 sq.yd.	\$ 12.50	\$ 3,050.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	84 sq.yd.	\$ 61.00	\$ 5,124.00
6	TRENCH BACKFILL			
	0-8 feet deep	162 lin. ft.	\$ 60.00	\$ 9,720.00
	SUBTOTAL			<u>\$ 43,642.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 241,700.00</u>
	Contingencies (20%)			\$48,300.00
	Engineering (20%)			\$48,300.00
	Legal / Admin (6%)			\$20,300.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 358,600.00</b></u>
	Cost per lot			\$35,860.00

Table 4.5-13

**Possible Special Assessment for Sanitary Sewers  
Burlington Highlands  
Venard Road (South)  
Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
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(Sanitary sewers are available as of March 2018.)



Table 4.5-14

**Downers Grove Sanitary District**

March 2019

**Proposed Special Assessment****Venard Road (South)****Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity	Unit Price	Amount
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(Sanitary sewers are available as of March 2018.)

Table 4.5-14

**Downers Grove Sanitary District**

March 2019

**Proposed Special Assessment****Venard Road (South)****Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity	Unit Price	Amount
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(Sanitary sewers are available as of March 2018.)

Table 4.5-15

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Virginia Avenue (West)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Virginia Street</u>					
SA-N-1-138	732.4	720.69	330	2.50%	11.7
UE-51	738.0	728.94			9.1

Table 4.5-16

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Virginia Avenue (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 8-12 feet deep	80	lin. ft.	\$ 85.00	\$ 6,800.00
	12-16 feet deep	250	lin. ft.	\$ 103.00	\$ 25,750.00
2	SANITARY MANHOLES				
	48-inch 8-12 feet deep	1	each	\$ 6,200.00	\$ 6,200.00
	12-16 feet deep	0	each	\$ 7,500.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 8-12 feet deep	20	lin. ft.	\$ 110.00	\$ 2,200.00
	12-16 feet deep	40	lin. ft.	\$ 134.00	\$ 5,360.00
5	TREE TUNNELING	0	lin. ft.	\$ 187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	330	lin. ft.	\$ 2.45	\$ 808.50
7	SEWER TESTING FOR FINAL INSPECTION	330	lin. ft.	\$ 2.45	\$ 808.50
8	CULVERT/STORM REMOVAL AND REPLACEMENT				
	12-inch	60	lin. ft.	\$ 79.00	\$ 4,740.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	890	sq.yd.	\$ 13.00	\$ 11,569.61
10	RESTORATION OF STREETS				
	Bit. Concrete Street	0	sq.yd.	\$ 62.00	\$ 0.00
	PCC Sidewalk	0	sq. ft.	\$ 13.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	28	sq.yd.	\$ 47.00	\$ 1,336.89
	Aggregate	14	sq.yd.	\$ 20.00	\$ 284.44
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 324.25
13	EROSION CONTROL:			Lump Sum	\$ 324.25

Table 4.5-16

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Virginia Avenue (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
14	TRAFFIC CONTROL:			Lump Sum	\$ 1,297.00
	SUBTOTAL				<u>\$ 73,803.44</u>
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	39	lin. ft.	<u>\$ 48.00</u>	<u>\$ 1,872.00</u>
	Far side	159	lin. ft.	<u>\$ 48.00</u>	<u>\$ 7,632.00</u>
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	3	each	<u>\$ 540.00</u>	<u>\$ 1,620.00</u>
	Far side	3	each	<u>\$ 665.00</u>	<u>\$ 1,995.00</u>
3	BUILDING SERVICE PLUG:	6	each	<u>\$ 203.00</u>	<u>\$ 1,218.00</u>
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	143	sq.yd.	<u>\$ 12.50</u>	<u>\$ 1,791.67</u>
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	48	sq.yd.	<u>\$ 61.00</u>	<u>\$ 2,928.00</u>
6	TRENCH BACKFILL				
	0-8 feet deep	72	lin. ft.	<u>\$ 60.00</u>	<u>\$ 4,320.00</u>
	SUBTOTAL				<u>\$ 23,376.67</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 97,200.00</u>
	Contingencies (20%)				\$19,400.00
	Engineering (20%)				\$19,400.00
	Legal / Admin (6%)				\$8,200.00
	TOTAL OPINION OF PROBABLE COST				<u>\$ 144,200.00</u>
				Cost per lot	\$24,030.00

Table 4.5-17

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lacey-Carol-Northcott**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Northcott Avenue</u>					
SA-N-1-143	739.5	729.20	140	1.50%	10.3
UE-47	741.0	731.30			9.7

Table 4.5-18

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Lacey-Carol-Northcott**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	40	lin. ft.	\$ 73.00	\$ 2,920.00
	8-12 feet deep	100	lin. ft.	\$ 85.00	\$ 8,500.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 3,500.00	\$ 3,500.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 12-16 feet deep	15	lin. ft.	\$ 134.00	\$ 2,010.00
5	TREE TUNNELING	0	lin. ft.	\$ 187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	140	lin. ft.	\$ 2.45	\$ 343.00
7	SEWER TESTING FOR FINAL INSPECTION	140	lin. ft.	\$ 2.45	\$ 343.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	0	lin. ft.	\$ 79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	194	sq.yd.	\$ 13.00	\$ 2,527.78
10	RESTORATION OF STREETS				
	Bit. Concrete Street	20	sq.yd.	\$ 62.00	\$ 1,212.44
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	14	sq.yd.	\$ 47.00	\$ 668.44

Table 4.5-18

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Lacey-Carol-Northcott**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
12	REMOVE AND REPLACE AGGREGATE DITCH	78	sq.yd.	\$ 20.00	\$ 1,555.56
13	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 324.25
14	EROSION CONTROL			Lump Sum	\$ 324.25
15	TRAFFIC CONTROL			Lump Sum	\$ 1,297.00
	SUBTOTAL				\$ 31,525.72
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	0	lin. ft.	\$ 48.00	\$ 0.00
	Far side	1	lin. ft.	\$ 48.00	\$ 48.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	0	each	\$ 540.00	\$ 0.00
	Far side	1	each	\$ 665.00	\$ 665.00
3	BUILDING SERVICE PLUG:	1	each	\$ 61.00	\$ 61.00
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	73	sq.yd.	\$ 12.50	\$ 916.67
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	156	sq.yd.	\$ 61.00	\$ 9,516.00
6	TRENCH BACKFILL				
	0-8 feet deep	26	lin. ft.	\$ 60.00	\$ 1,560.00
	SUBTOTAL				\$ 12,766.67
	TOTAL ESTIMATE OF CONSTRUCTION COST				\$ 44,300.00
	Contingencies (20%)				\$8,900.00
	Engineering (20%)				\$8,900.00
	Legal / Admin (6%)				\$3,700.00
	<b>TOTAL ESTIMATE OF COST</b>				<b>\$ 65,800.00</b>
	Cost per lot			\$	65,800.00



Table 4.5-19

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Lacey and Janet**  
**Preliminary Design Layout**

	<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Lacey Road</u>						
(existing)	SA-N-1-134	724.3	711.86			12.4
<u>Janet Street</u>						
	UE-55	730.0	716.66	400	1.20%	13.3
	UE-56	730.0	719.86	400	0.80%	10.1

**Downers Grove Sanitary District  
Proposed Special Assessment**

March 2019

Lacey and Janet

**Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLINE SEWER				
1	SANITARY SEWER (OPEN CUT)			
	8-inch 8-12 feet deep	40 lin. ft.	\$ 85.00	\$ 3,400.00
	12-16 feet deep	720 lin. ft.	\$ 103.00	\$ 74,160.00
	16-20 feet deep	40 lin. ft.	\$ 124.00	\$ 4,960.00
2	SANITARY MANHOLES			
	48-inch 8-12 feet deep	2 each	\$ 6,200.00	\$ 12,400.00
	12-16 feet deep	0 each	\$ 7,500.00	\$ 0.00
	16-20 feet deep	0 each	\$ 10,000.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE			
	8-inch	1 each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL			
	8-inch 8-12 feet deep	0 lin. ft.	\$ 110.00	\$ 0.00
	12-16 feet deep	128 lin. ft.	\$ 134.00	\$ 17,152.00
	16-20 feet deep	0 lin. ft.	\$ 175.00	\$ 0.00
5	TREE TUNNELING	22 lin. ft.	\$ 187.00	\$ 4,114.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	800 lin. ft.	\$ 2.45	\$ 1,960.00
7	SEWER TESTING FOR FINAL INSPECTION	800 lin. ft.	\$ 2.45	\$ 1,960.00
8	CULVERT REMOVAL AND REPLACEMENT			
	12-inch	0 lin. ft.	\$ 79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	107 sq.yd.	\$ 13.00	\$ 1,391.00
10	RESTORATION OF STREETS			
	Bit. Concrete Street	27 sq.yd.	\$ 62.00	\$ 1,674.00
11	REMOVE AND REPLACE DRIVEWAYS			
	Bituminous	98 sq.yd.	\$ 47.00	\$ 4,606.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 972.75

**Downers Grove Sanitary District  
Proposed Special Assessment**

March 2019

Lacey and Janet

**Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL:		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 4,539.50
	SUBTOTAL			<u>\$ 139,937.75</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	105 lin. ft.	\$ 48.00	\$ 5,040.00
	Far side	357 lin. ft.	\$ 48.00	\$ 17,136.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	7 each	\$ 540.00	\$ 3,780.00
	Far side	7 each	\$ 665.00	\$ 4,655.00
3	BUILDING SERVICE PLUG:	14 each	\$ 203.00	\$ 2,842.00
4	RESTORATION OF LAWNS AND PARKWAYS			
	Topsoil and sod	350 sq.yd.	\$ 12.50	\$ 4,375.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	103 sq.yd.	\$ 61.00	\$ 6,283.00
6	TRENCH BACKFILL			
	8-12 feet deep	175 lin. ft.	\$ 81.00	\$ 14,175.00
	SUBTOTAL			<u>\$ 58,286.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 198,200.00</u>
	Contingencies (20%)			\$39,600.00
	Engineering (20%)			\$39,600.00
	Legal / Admin (6%)			\$16,600.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 294,000.00</b></u>
	Cost per lot			\$21,000.00

Table 4.5-21

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Ogden-Lacey-Grant-Lee (South)**  
**Preliminary Design Layout**

	<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Lacey Road</u>						
(existing)	SA-N-1-135	728.0	713.37			14.6
<u>Ogden Avenue</u>						
	UE-58	740.0	722.37	300	3.00%	17.6
	UE-59	740.0	719.82	215	3.00%	20.2
(existing)	SA-N-1-136	730.3	713.83			16.4
	UE-61	730.0	714.55	180	0.40%	15.4
<u>Ogden Avenue Farms</u>						
	UE-62	730.0	716.83	300	1.00%	13.2
	UE-63	729.0	714.95	280	0.40%	14.1
	UE-64	731.0	717.43	310	0.80%	13.6
	UE-66	736.0	723.70	350	2.50%	12.3
	UE-67	746.0	732.70	300	3.00%	13.3
	UE-68	731.0	716.55	400	0.40%	14.4
	UE-69	729.0	717.03	120	0.40%	12.0
	UE-70	740.0	724.83	260	3.00%	15.2
	UE-71	742.0	726.13	65	2.00%	15.9
	UE-72	749.0	736.13	400	2.50%	12.9
	UE-75	755.0	745.63	220	4.00%	9.4
<u>Lee Avenue</u>						
	UE-65	730.0	719.18	350	0.50%	10.8

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Ogden-Lacey-Grant-Lee (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	260	lin. ft.	\$ 73.00	\$ 18,980.00
	8-12 feet deep	3,025	lin. ft.	\$ 85.00	\$ 257,125.00
	12-16 feet deep	590	lin. ft.	\$ 103.00	\$ 60,770.00
	16-20 feet deep	144	lin. ft.	\$ 124.00	\$ 17,856.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	8	each	\$ 6,200.00	\$ 49,600.00
	12-16 feet deep	5	each	\$ 7,500.00	\$ 37,500.00
	16-20 feet deep	1	each	\$ 10,000.00	\$ 10,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	3	each	\$ 6,000.00	\$ 18,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	50	lin. ft.	\$ 91.00	\$ 4,550.00
	8-12 feet deep	260	lin. ft.	\$ 110.00	\$ 28,600.00
	12-16 feet deep	185	lin. ft.	\$ 134.00	\$ 24,790.00
	16-20 feet deep	64	lin. ft.	\$ 175.00	\$ 11,200.00
5	TREE TUNNELING	310	lin. ft.	\$ 187.00	\$ 57,970.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	4,019	lin. ft.	\$ 2.45	\$ 9,846.55
7	SEWER TESTING FOR FINAL INSPECTION	4,019	lin. ft.	\$ 2.45	\$ 9,847
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	105	lin. ft.	\$ 79.00	\$ 8,295.00
9	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	5,967	sq.yd.	\$ 13.00	\$ 77,571.00
10	RESTORATION OF STREETS				
	Bit. Concrete Street	27	sq.yd.	\$ 62.00	\$ 1,674.00
	PCC Sidewalk	50	sq. ft.	\$ 13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	338	sq.yd.	\$ 47.00	\$ 15,886.00
	Concrete	100	sq.yd.	\$ 79.00	\$ 7,900.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum		\$ 18,806.50

Table 4.5-22

**Downers Grove Sanitary District**  
**Proposed Special Assessment**  
**Ogden-Lacey-Grant-Lee (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
13	EROSION CONTROL:			Lump Sum	\$ 15,564.00
14	TRAFFIC CONTROL:			Lump Sum	\$ 18,158.00
	SUBTOTAL				<u>\$ 785,838.60</u>
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	300	lin. ft.	\$ 48.00	\$ 14,400.00
	Far side	357	lin. ft.	\$ 48.00	\$ 17,136.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	20	each	\$ 540.00	\$ 10,800.00
	Far side	7	each	\$ 665.00	\$ 4,655.00
3	BUILDING SERVICE PLUG:	27	each	\$ 203.00	\$ 5,481.00
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	567	sq.yd.	\$ 12.50	\$ 7,087.50
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	149	sq.yd.	\$ 61.00	\$ 9,089.00
6	TRENCH BACKFILL				
	8-12 feet deep	196	lin. ft.	\$ 81.00	\$ 15,876.00
7	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	0	sq. yd.	\$ 46.00	\$ 0.00
	SUBTOTAL				<u>\$ 84,524.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 870,400.00</u>
	Contingencies (20%)				\$174,100.00
	Engineering (20%)				\$174,100.00
	Legal / Admin (6%)				\$73,100.00
	Easement Acquisition				\$97,800.00
	TOTAL OPINION OF PROBABLE COST				<u><b>\$ 1,389,500.00</b></u>
	Cost per lot				\$51,460.00

Table 4.5-23

**Downers Grove Sanitary District  
Proposed Special Assessments  
Burlington Highlands Sub-Area  
Cost Summary**

March 2019

Sub-Basin:	Near Services	Far Services	Cost	Cost per lot
Morton and Downers	20	19	\$ 1,335,100.00	\$ 34,230.00
40th and Seely (North)	9	12	\$ 580,400.00	\$ 27,640.00
40th and Northcott	5	9	\$ 406,400.00	\$ 29,030.00
Virginia-Seely-Janet-Downers	25	18	\$ 1,098,700.00	\$ 25,550.00
Belle Aire and Venard	15	6	\$ 890,100.00	\$ 42,390.00
Vernard Road (North)	4	6	\$ 358,600.00	\$ 35,860.00
<i>Vernard Road (South) (completed)</i>	<i>0</i>	<i>0</i>	<i>\$ -</i>	<i>\$ -</i>
Virginia Avenue (West)	3	3	\$ 144,200.00	\$ 24,030.00
Lacey-Carol-Northcott	0	1	\$ 65,800.00	\$ 65,800.00
Lacey and Janet	7	7	\$ 294,000.00	\$ 21,000.00
Ogden-Lacey-Grant-Lee (South)	20	7	\$ 1,389,500.00	\$ 51,460.00
<b>TOTALS</b>	<b>108</b>	<b>88</b>	<b>\$ 6,562,800.00</b>	<b>\$ 33,480.00</b>

**196**

## 4.6 Golf Addition

Golf Addition is a sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.6, the approximate limits of this sub-area are Warrenville Road to the north, Walnut Avenue to the west, Burlington Avenue to the south, and Belmont Road to the east. The proposed service area includes approximately 48 single-family residences with septic systems, commercial lots without gravity sewer service, Downers Grove Park District property, and several undeveloped residential and commercial parcels. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving unsewered properties within the Golf Addition sub-area.

A number of factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, easements, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The Golf Addition sub-area has four major drainage divides. Serving the subject properties by following the ground contours will avoid deep cuts through the higher elevations along drainage divides. The study area can be divided into four smaller service areas. Properties to north of Indianapolis Avenue will be served by the existing sewers on Ogden Avenue. Properties on Drendel and Granville, south of Indianapolis Avenue, will be served by the existing sewer on Burlington Avenue. The Park District parcels at the northeast corner of Walnut and Burlington will be served by the trunk sewer on Walnut Avenue. Parcels on Puffer Road, north of Prairie Avenue, will be served by the sewer at the intersection of Belmont Road and Prairie Avenue.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The major road crossings that would significantly increase construction cost in this sub-area are Ogden Avenue and Belmont Road. Thus, alternatives were considered to minimize crossing of these routes with both the mainline sewer and building services.

The Village of Downers Grove owns and operates water mains on the streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Golf Addition sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
<i>Drendel and Ogden</i>	<i>(completed)</i>	<i>Table 4.6-1</i>	<i>Table 4.6-2</i>
<i>Cross and Ogden (South)</i>	<i>(completed)</i>	<i>Table 4.6-3</i>	<i>Table 4.6-4</i>
Cross and Ogden (North)	2	Table 4.6-5	Table 4.6-6
Drendel and Granville (South)	28	Table 4.6-7	Table 4.6-8
Burlington and Walnut (South)	2	Table 4.6-9	Table 4.6-10
Puffer North of Prairie	16	Table 4.6-11	Table 4.6-12



Table 4.6-13 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.6.

Sanitary sewers are available to all parcels in the Drendel and Ogden sub-basin and the Cross and Ogden (South) sub-basin as of March 2010. Approximately 3,150 feet of 8-inch sanitary sewer and 41 services were constructed for a total bid price of \$603,700 by Archon Construction Co, Inc. in spring of 2010 with partial funding from ARRA of 2009. The average cost per lot was approximately \$14,720.

The Cross and Ogden (North) sub-basin sewer plan follows the existing topography which falls southwest towards the manhole in front of the new Culver's Restaurant. This sewer will allow the private pump station and force main of the Max Madsen car dealership at 2438 Ogden (northeast corner of Cross and Ogden) and the private septic system on the west side of Cross Street (4340 Cross) to be abandoned. Easements will be required along both Cross and Ogden to construct this sewer. The cost per lot was not calculated because this sub-area is only comprised of the several large commercial parcels. Table 4.6-5 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$371,200, including contingency, engineering, easements, and legal/administrative costs.

The Drendel and Granville (South) sub-basin sewer plan follows the existing topography which falls from Drendel and Indianapolis south to the intersection of Granville and Burlington Avenue. The sewer will extend north from the existing sewer at Burlington and Granville. Easements will be required to cross the existing Downers Grove Park District property. The parcels on Drendel could also be served by the existing trunk sewer on Walnut, but additional sewer length and easements would be required. The sewer on Drendel should be placed in the west right-of-way, to avoid the water main, and in the east right-of-way on Granville to avoid the existing trees. This sub-basin is the third most costly per lot in the Golf Addition due to the sewer and easements required to cross the Park District property. Table 4.6-7 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-8 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$806,000, including contingency, engineering, easements, and legal/administrative costs.

The Burlington and Walnut (South) sub-basin sewer plan will flow west on Burlington Avenue from the Park District parcel west of Granville to the existing sanitary manhole at Walnut and Burlington. The sewer should be placed in the south right-way-way to avoid the existing water main and overhead electric. The cost per lot was not calculated because this sub-area only includes several large parcels owned by the Park District. Table 4.6-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$198,000, including contingency, engineering, and legal/administrative costs.

The Puffer North of Prairie sub-basin sewer plan will connect to the sewer on Belmont Road. Currently, the sewer does not have adequate cover to serve Puffer Road. The impending Metra-Belmont underpass project will include the replacement of the existing sewer on Belmont, from Burlington to Prairie, at a flatter slope to provide the additional depth required to allow sewer service on Puffer. This sub-basin is the most costly per lot in the Golf Addition due to the pavement restoration and tree tunneling required, in addition to the small number of lots associated with the project. Table 4.6-11 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-12 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$615,700, including contingency, engineering, easements, and legal/administrative costs.

DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

EXHIBIT 4.6

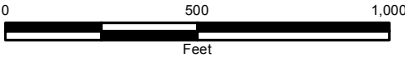
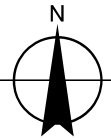
GOLF ADDITION

POSSIBLE SEWER ALIGNMENT

MARCH 2019

LEGEND

- PROPOSED MANHOLES
- PROPOSED SEWERS
- EXISTING MANHOLES
- EXISTING SEWERS
- PARCEL BOUNDARIES
- CROSS AND OGDEN (NORTH);TABLES 4.6-5, 4.6-6
- DRENDEL AND GRANVILLE (SOUTH);TABLES 4.6-7, 4.6-8
- BURLINGTON AND WALNUT (SOUTH);TABLES 4.6-9, 4.6-10
- PUFFER NORTH OF PRAIRIE;TABLES 4.6-11, 4.6-12



**BAXTER & WOODMAN**  
Consulting Engineers

I:\Crystal Lake\DGSD1\180305-2018 UAP\20-GIS\MapDocuments\  
4-6 Golf Addition.mxd 503jmi - 4/2/2019  
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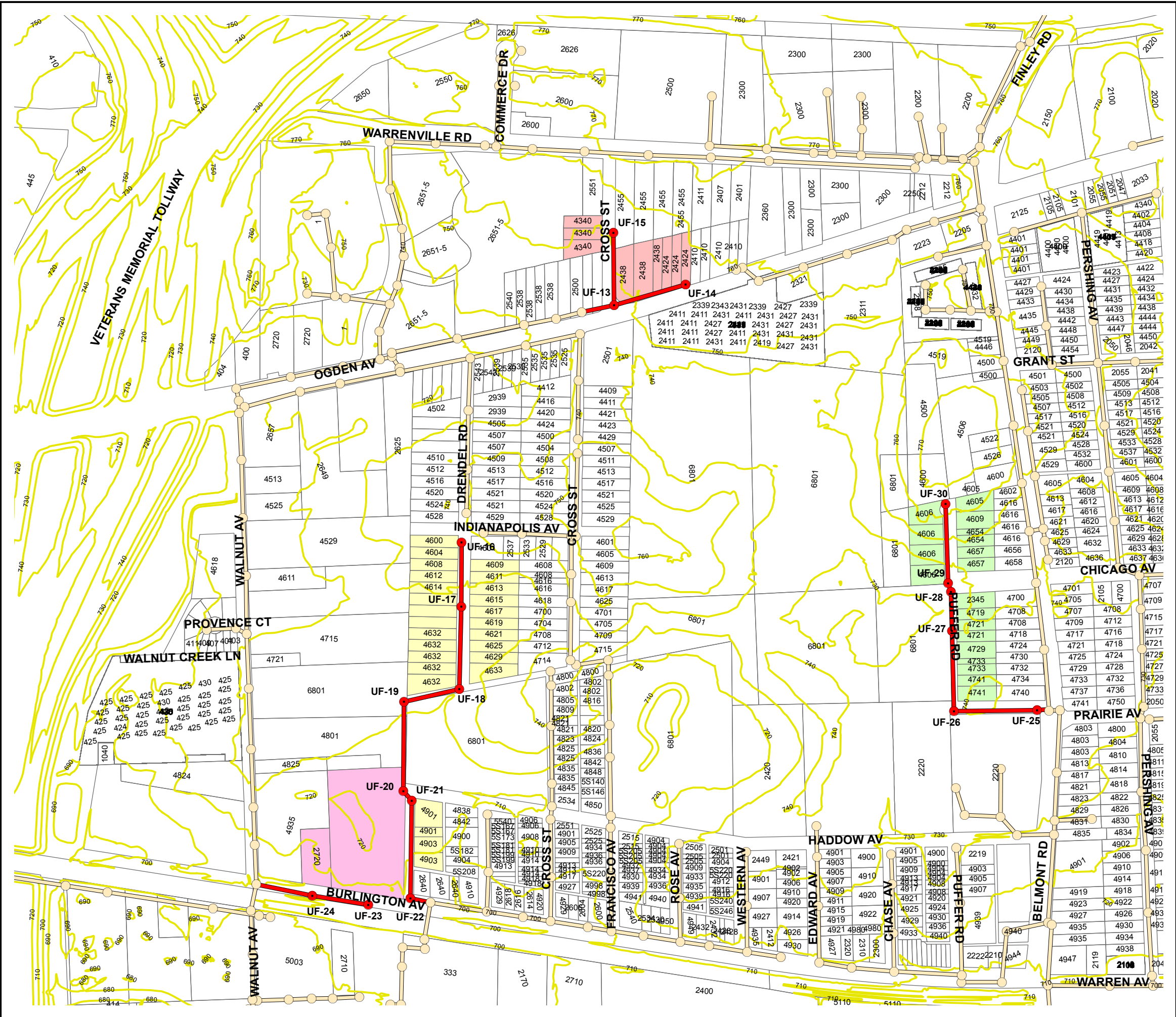


Table 4.6-1

**Downers Grove Sanitary District  
Possible Special Assessment for Sanitary Sewers  
Drendel and Ogden  
Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
-----------------------	------------	---------------	--------------------	--------------	--------------------------

(Sanitary sewers are available as of March 2010.)

Table 4.6-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Drendel and Ogden**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
-----	----------	-------------------------	---------------	--------

(Sanitary sewers are available as of March 2010.)

Table 4.6-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Drendel and Ogden**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
-----	----------	-------------------------	---------------	--------

(Sanitary sewers are available as of March 2010.)

Table 4.6-3

**Downers Grove Sanitary District  
Possible Special Assessment for Sanitary Sewers  
Cross and Ogden (South)  
Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	Manhole <u>Depth</u>
-----------------------	------------	---------------	--------------------	--------------	-------------------------

(Sanitary sewers are available as of March 2010.)

Table 4.6-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cross and Ogden (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
-----	----------	-------------------------	---------------	--------

(Sanitary sewers are available as of March 2010.)



Table 4.6-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cross and Ogden (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
-----	----------	-------------------------	---------------	--------

(Sanitary sewers are available as of March 2010.)

Table 4.6-5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cross and Ogden (North)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Ogden Avenue</u>					
3-A-88 (existing)	741.9	725.00	205	4.00%	16.9
UF-13	748.0	733.20			14.8
UF-14	756.0	744.30			11.7
<u>Cross Street</u>					
UF-15	751.0	742.45	370	2.50%	8.5

Table 4.6-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cross and Ogden (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 8-12 feet deep	240 lin. ft.	\$	85.00	\$ 20,400.00
	12-16 feet deep	705 lin. ft.	\$	103.00	\$ 72,615.00
2	SANITARY MANHOLES				
	48-inch 8-12 feet deep	2 each	\$	6,200.00	\$ 12,400.00
	12-16 feet deep	1 each	\$	7,500.00	\$ 7,500.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1 each	\$	6,000.00	\$ 3,500.00
4	TRENCH BACKFILL				
	8-inch 8-12 feet deep	240 lin. ft.	\$	110.00	\$ 26,400.00
	12-16 feet deep	200 lin. ft.	\$	134.00	\$ 26,800.00
5	TREE TUNNELING	0 lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	945 lin. ft.	\$	2.45	\$ 2,315.25
7	SEWER TESTING FOR FINAL INSPECTION	945 lin. ft.	\$	2.45	\$ 2,315.25
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	0 lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	1,342 sq.yd.	\$	13.00	\$ 17,446.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	50 sq.yd.	\$	62.00	\$ 3,100.00
	Curb & Gutter	40 lin. ft.	\$	40.00	\$ 1,600.00
	PCC Sidewalk	200 sq. ft.	\$	13.00	\$ 2,600.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	67 sq.yd.	\$	47.00	\$ 3,149.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum		\$ 0.00

Table 4.6-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cross and Ogden (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 0.00
14	TRAFFIC CONTROL:		Lump Sum	\$ 19,455.00
	SUBTOTAL			<u>\$ 221,595.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	10 lin. ft.	\$ 48.00	\$ 480.00
	Far side	48 lin. ft.	\$ 48.00	\$ 2,304.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	1 each	\$ 540.00	\$ 540.00
	Far side	1 each	\$ 665.00	\$ 665.00
3	BUILDING SERVICE PLUG:	2 each	\$ 203.00	\$ 406.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	28 sq.yd.	\$ 12.50	\$ 350.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	21 sq.yd.	\$ 61.00	\$ 1,281.00
6	TRENCH BACKFILL			
	0-8 feet deep	35 lin. ft.	\$ 60.00	\$ 2,100.00
	SUBTOTAL			<u>\$ 8,126.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 229,700.00</u>
	Contingencies (20%)			\$45,900.00
	Engineering (20%)			\$45,900.00
	Legal / Admin (6%)			\$19,300.00
	Easement Acquisition			\$30,400.00
	TOTAL OPINION OF PROBABLE COST			<u><u>\$ 371,200.00</u></u>

Table 4.6-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Drendel and Granville (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Burlington Avenue</u>					
3-B-3 (existing)	702.3	687.50	110	2.00%	14.8
UF-22	703.0	689.70			13.3
<u>Granville Avenue</u>					
UF-21	714.0	701.70	480	2.50%	12.3
UF-20	715.0	703.10	70	2.00%	11.9
<u>Park District Easement</u>					
UF-19	722.0	711.20	450	1.80%	10.8
<u>Drendel Road</u>					
UF-18	722.0	712.32	280	0.40%	9.7
UF-17	722.0	713.92	400	0.40%	8.1
UF-16	735.0	726.52	360	3.50%	8.5

Table 4.6-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Drendel and Granville (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	60 lin. ft.	\$	73.00	\$ 4,380.00
	8-12 feet deep	1,850 lin. ft.	\$	85.00	\$ 157,250.00
	12-16 feet deep	240 lin. ft.	\$	103.00	\$ 24,720.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1 each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	4 each	\$	6,200.00	\$ 24,800.00
	12-16 feet deep	2 each	\$	7,500.00	\$ 15,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1 each	\$	6,000.00	\$ 3,500.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	230 lin. ft.	\$	91.00	\$ 20,930.00
	8-12 feet deep	185 lin. ft.	\$	110.00	\$ 20,350.00
	12-16 feet deep	69 lin. ft.	\$	134.00	\$ 9,246.00
5	TREE TUNNELING	345 lin. ft.	\$	187.00	\$ 64,515.00
6	SEWER TELEVISION FOR FINAL INSPECTION	2,150 lin. ft.	\$	2.45	\$ 5,267.50
7	SEWER TESTING FOR FINAL INSPECTION	2,150 lin. ft.	\$	2.45	\$ 5,267.50
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	115 lin. ft.	\$	79.00	\$ 9,085.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	3,158 sq.yd.	\$	13.00	\$ 41,054.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	13 sq.yd.	\$	62.00	\$ 806.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	231 sq.yd.	\$	47.00	\$ 10,857.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum		\$ 8,754.75

Table 4.6-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Drendel and Granville (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 2,269.75
14	TRAFFIC CONTROL:		Lump Sum	\$ 3,891.00
	SUBTOTAL			<u>\$ 436,643.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	124 lin. ft.	\$ 48.00	\$ 5,952.00
	Far side	600 lin. ft.	\$ 48.00	\$ 28,800.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	18 each	\$ 540.00	\$ 9,720.00
	Far side	10 each	\$ 665.00	\$ 6,650.00
3	BUILDING SERVICE PLUG:	28 each	\$ 203.00	\$ 5,684.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	367 sq.yd.	\$ 12.50	\$ 4,587.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	189 sq.yd.	\$ 61.00	\$ 11,529.00
6	TRENCH BACKFILL			
	0-8 feet deep	350 lin. ft.	\$ 60.00	\$ 21,000.00
	SUBTOTAL			<u>\$ 93,922.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 530,600.00</u>
	Contingencies (20%)			\$106,100.00
	Engineering (20%)			\$106,100.00
	Legal / Admin (6%)			\$44,600.00
	Easement Acquisition			\$18,600.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 806,000.00</b></u>
	Cost per lot			\$28,790.00

Table 4.6-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Burlington and Walnut (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Burlington Avenue</u>					
3-A-34 (existing)	700.0	683.01	300	3.00%	17.0
UF-24	704.0	692.01			12.0
UF-23	708.0	700.05		2.68%	8.0



Table 4.6-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Burlington and Walnut (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	60 lin. ft.	\$	73.00	\$ 4,380.00
	8-12 feet deep	500 lin. ft.	\$	85.00	\$ 42,500.00
	12-16 feet deep	40 lin. ft.	\$	103.00	\$ 4,120.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1 each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	1 each	\$	6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1 each	\$	6,000.00	\$ 3,500.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	60 lin. ft.	\$	91.00	\$ 5,460.00
	8-12 feet deep	120 lin. ft.	\$	110.00	\$ 13,200.00
5	TREE TUNNELING	50 lin. ft.	\$	187.00	\$ 9,350.00
6	SEWER TELEVISION FOR FINAL INSPECTION	600 lin. ft.	\$	2.45	\$ 1,470.00
7	SEWER TESTING FOR FINAL INSPECTION	600 lin. ft.	\$	2.45	\$ 1,470.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	10 lin. ft.	\$	79.00	\$ 790.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	833 sq.yd.	\$	13.00	\$ 10,829.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	89 sq.yd.	\$	62.00	\$ 5,518.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	0 sq.yd.	\$	47.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum		\$ 1,945.50

Table 4.6-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Burlington and Walnut (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,594.00
	SUBTOTAL			<u>\$ 118,675.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	0 lin. ft.	\$ 48.00	\$ 0.00
	Far side	120 lin. ft.	\$ 48.00	\$ 5,760.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	0 each	\$ 540.00	\$ 0.00
	Far side	2 each	\$ 665.00	\$ 1,330.00
3	BUILDING SERVICE PLUG:	2 each	\$ 203.00	\$ 406.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	93 sq.yd.	\$ 12.50	\$ 1,162.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	37 sq.yd.	\$ 61.00	\$ 2,257.00
6	TRENCH BACKFILL			
	0-8 feet deep	64 lin. ft.	\$ 60.00	\$ 3,840.00
	SUBTOTAL			<u>\$ 14,755.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 133,400.00</u>
	Contingencies (20%)			\$26,700.00
	Engineering (20%)			\$26,700.00
	Legal / Admin (6%)			\$11,200.00
	TOTAL OPINION OF PROBABLE COST			<u><u>\$ 198,000.00</u></u>

Table 4.6-11

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Puffer North of Prairie**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Prairie Avenue</u>					
3-A-12 (existing) <sup>1</sup>	735.2	724.00	60	0.40%	11.2
UF-25	734.0	724.24	420	0.40%	9.8
UF-26	736.0	725.92			10.1
<u>Puffer Road</u>					
UF-27	735.0	727.52	400	0.40%	7.5
UF-28	738.0	729.72	220	1.00%	8.3
UF-29	738.0	729.84	30	0.40%	8.2
UF-30	766.0	754.44	410	6.00%	11.6

Note 1: Proposed invert is after the replacement of the sewer on Belmont as part of the Metra project

Table 4.6-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Puffer North of Prairie**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	200	lin. ft.	\$ 73.00	\$ 14,600.00
	8-12 feet deep	1,280	lin. ft.	\$ 85.00	\$ 108,800.00
	12-16 feet deep	60	lin. ft.	\$ 103.00	\$ 6,180.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	5	each	\$ 6,200.00	\$ 31,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 3,500.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	200	lin. ft.	\$ 91.00	\$ 18,200.00
	8-12 feet deep	410	lin. ft.	\$ 110.00	\$ 45,100.00
	12-16 feet deep	30	lin. ft.	\$ 134.00	\$ 4,020.00
5	TREE TUNNELING	165	lin. ft.	\$ 187.00	\$ 30,855.00
6	SEWER TELEVISION FOR FINAL INSPECTION	1,540	lin. ft.	\$ 2.45	\$ 3,773.00
7	SEWER TESTING FOR FINAL INSPECTION	1,540	lin. ft.	\$ 2.45	\$ 3,773.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	50	lin. ft.	\$ 79.00	\$ 3,950.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	1,533	sq.yd.	\$ 13.00	\$ 19,929.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	333	sq.yd.	\$ 62.00	\$ 20,646.00
	Curb & Gutter	0	lin. ft.	\$ 40.00	\$ 0.00
	PCC Sidewalk	50	sq. ft.	\$ 13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	22	sq.yd.	\$ 47.00	\$ 1,034.00

Table 4.6-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Puffer North of Prairie**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 2,594.00
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,594.00
	SUBTOTAL			<u>\$ 326,546.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	10 lin. ft.	\$ 48.00	\$ 480.00
	Far side	750 lin. ft.	\$ 48.00	\$ 36,000.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	1 each	\$ 540.00	\$ 540.00
	Far side	15 each	\$ 665.00	\$ 9,975.00
3	BUILDING SERVICE PLUG:	16 each	\$ 203.00	\$ 3,248.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	344 sq.yd.	\$ 12.50	\$ 4,300.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	158 sq.yd.	\$ 61.00	\$ 9,638.00
6	TRENCH BACKFILL			
	0-8 feet deep	285 lin. ft.	\$ 60.00	\$ 17,100.00
	SUBTOTAL			<u>\$ 81,281.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 407,800.00</u>
	Contingencies (20%)			\$81,600.00
	Engineering (20%)			\$81,600.00
	Legal / Admin (6%)			\$34,300.00
	Easement Acquisition			\$10,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 615,700.00</b></u>
	Cost per lot			\$38,480.00

Table 4.6-13

**Downers Grove Sanitary District**  
**Possible Special Assessments for Sanitary Sewer**  
**Golf Addition Sub-Area**  
**Cost Summary**

March 2019

Sub-Basin:	Near	Far	Cost		Cost per lot
<i>Drendel and Ogden (completed)</i>	0	0	\$	-	\$ -
<i>Cross and Ogden (South) (completed)</i>	0	0	\$	-	\$ -
Cross and Ogden (North)	1	1	\$	371,200.00	N/A
Drendel and Granville (South)	18	10	\$	806,000.00	\$ 28,790.00
Burlington and Walnut (South)	0	2	\$	198,000.00	N/A
Puffer North of Prairie	1	15	\$	615,700.00	\$ 38,480.00
TOTALS	20	28	\$	1,990,900.00	\$ 32,310.00

48

#### 4.7 Florence Avenue

Florence Avenue is a small service area located within the District's FPA boundary. Exhibit 4.7 shows the approximate limits of this service area which is located west of Fairview Avenue and north of Ogden Avenue. The proposed service area currently includes 11 lots that are either developed as single-family residences with septic systems or vacant. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving properties along Florence Avenue.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, tree protection, water main and existing utility location. In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The one major road crossing that would significantly increase construction cost in this sub-area is Ogden Avenue. Thus, alternatives were considered to minimize crossing of this roadway. The Village of Downers Grove does not own any water mains within the subject area limits. The only utilities that would impact sewer construction are gas mains and overhead electric.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that the existing sewer has adequate capacity to receive the additional flow from Florence Avenue.

A map of the proposed sewer plan is included in Exhibit 4.7.

The topography along Florence Avenue is relatively flat, and thus, the direction of flow will be dictated by the available sewer depth and the most cost effective route. We identified one feasible connection point, the existing manhole in the northern westbound lane of Ogden Avenue (1-J-136).

We recommend the sewer be installed in the west right-of-way to avoid the existing power lines, gas mains, and major landscaping located in the east right-of-way. Table 4.7-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.7-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$236,800, including contingency, engineering, and legal/administrative costs.

# DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN







## EXHIBIT 4.7

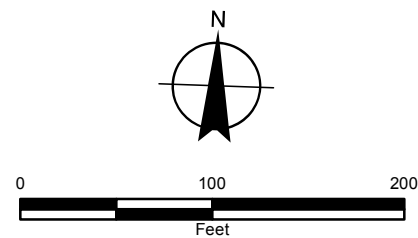
**FLORENCE AVENUE**

## POSSIBLE SEWER ALIGNMENT

MARCH 2019

## LEGEND

-  PROPOSED MANHOLES  
 PROPOSED SEWER  
 EXISTING MANHOLES  
 EXISTING SEWERS  
 PARCEL BOUNDARIES  
 FLORENCE AVENUE



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Table 4.7-1  
**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Florence Avenue**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Florence Avenue</u>					
1-J-136 (existing)	756.0	748.54	140	0.40%	7.5
UG-1	757.5	749.10			8.4
UG-2	761.0	751.10	400	0.50%	9.9

Table 4.7-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Florence Avenue**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	40	lin. ft.	\$ 73.00	\$ 2,920.00
	8-12 feet deep	500	lin. ft.	\$ 85.00	\$ 42,500.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	0	each	\$ 4,700.00	\$ 0.00
	8-12 feet deep	2	each	\$ 6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	19	lin. ft.	\$ 91.00	\$ 1,729.00
	8-12 feet deep	177	lin. ft.	\$ 110.00	\$ 19,470.00
5	TREE TUNNELING	30	lin. ft.	\$ 187.00	\$ 5,610.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	540	lin. ft.	\$ 2.45	\$ 1,323.00
7	SEWER TESTING FOR FINAL INSPECTION	540	lin. ft.	\$ 2.45	\$ 1,323.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	20	lin. ft.	\$ 79.00	\$ 1,580.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	575	sq.yd.	\$ 13.00	\$ 7,475.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	89	sq.yd.	\$ 62.00	\$ 5,518.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Concrete	13	sq.yd.	\$ 79.00	\$ 1,027.00
	Bituminous	65	sq.yd.	\$ 47.00	\$ 3,055.00
	Aggregate	13	sq.yd.	\$ 20.00	\$ 260.00

Table 4.7-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Florence Avenue**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 648.50
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 5,188.00
	SUBTOTAL			<u>\$ 118,675.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	90 lin. ft.	\$ 48.00	\$ 4,320.00
	Far side	255 lin. ft.	\$ 48.00	\$ 12,240.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	6 each	\$ 540.00	\$ 3,240.00
	Far side	5 each	\$ 665.00	\$ 3,325.00
3	BUILDING SERVICE PLUG:	11 each	\$ 203.00	\$ 2,233.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	158 sq.yd.	\$ 12.50	\$ 1,975.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	80 sq.yd.	\$ 61.00	\$ 4,880.00
6	TRENCH BACKFILL			
	0-8 feet deep	145 lin. ft.	\$ 60.00	\$ 8,700.00
	SUBTOTAL			<u>\$ 40,913.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 159,600.00</u>
	Contingencies (20%)			\$31,900.00
	Engineering (20%)			\$31,900.00
	Legal / Admin (6%)			\$13,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 236,800.00</b></u>
	Cost per lot			\$21,530.00

#### 4.8 Meyers and 31<sup>st</sup>

Meyers and 31<sup>st</sup> is a sub-area within the northeast corner of the District's planning area that is currently unsewered. Several lots are located outside of the District FPA, but can not be served by the adjacent Hinsdale Sanitary District in an economical manner. As shown on Exhibit 4.8, the approximate limits of this sub-area are White Oak Lane to the north, Meyers Road to the east, and 35<sup>th</sup> Street to the south. The proposed service area includes approximately 7 single-family residences with septic systems. The purpose of this analysis is to establish the recommended sanitary sewer plan for serving all unsewered properties within the Meyers and 31<sup>st</sup> sub-area.

A number of factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, easements, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. Please note that some of the parcels identified in these sub-basins may require a close evaluation of the legal issues and financial feasibility considerations associated with acquiring private easement or other land use rights from adjacent or nearby property owners in order to install a sanitary sewer service line from the parcel in question to the District's new sewer main. The Meyers and 31<sup>st</sup> sub-area has multiple drainage divides and low spots. The study area can be divided into two smaller service areas, properties between White Oak Lane and Heritage Oaks Lane and properties between 35<sup>th</sup> Street and Heritage Oaks Lane. Each of these two areas has centrally located low spots, which complicate serving each sub-basin in a cost effective manner.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The one major road crossing that would significantly increase construction cost in this sub-area is Meyers Road. Thus, alternatives were considered to minimize construction in the right-of-way.

The DuPage Water Commission and Village of Oak Brook own and operate water mains and a transmission main on various streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the Meyers and 31<sup>st</sup> sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

<u>Sub-basin</u>	<u>No. of Services</u>	<u>Property</u>	<u>Cost Estimate</u>
Meyers Road (North)	1	3200 Meyers	Table 4.8-1
	1	3210 Meyers	Table 4.8-2
	1	3220 Meyers	Table 4.8-3
Meyers Road (South)	1	3400 Meyers	Table 4.8-4
	1	3404 Meyers	Table 4.8-5
	1	3408 Meyers	Table 4.8-6
	1	3412 Meyers	Table 4.8-7

Table 4.8-8 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.8.

The Meyers Road (North) sub-basin was thoroughly investigated and five feasible alternatives were identified. Each of the alternatives was described in detail in a letter report dated October 4, 2006. In summary, this sub-basin cannot be served by a conventional gravity sewer because of the topography or by a central lift station because minimum cleansing velocities cannot be accomplished in a force main. As a result, the three properties must be served by a low pressure sanitary sewer system. We examined two types of low pressures systems: individual grinder pumps discharging into a common force main (District owned) or individual grinder pumps discharging into individual force mains (privately owned). The common force main option was not recommended because the force mains would be placed in wooded, rear yard easements, which would be difficult to maintain by the District. Therefore, the recommended plan includes three, separate grinder pump and force main systems. Each system is costly due to the long, directional drilled force mains, multiple rear yard easements, and the existing creek within the project limits. Exhibit 4.8 shows the most cost effective route for serving each property. Tables 4.8-1, 4.8-2, and 4.8-3 include breakdowns of the unit quantities and unit prices used to prepare the opinion of probable cost for each individual low-pressure sanitary sewer system.

Multiple alternatives for the Meyers Road (South) sub-basin were also investigated and similar conclusions to the north sub-basin were arrived at. The four properties south of Heritage Oaks Lane cannot be served by gravity sewer, due to the topography adjacent to the pond north of the service area. The recommended plan includes four, separate grinder pump and force main systems. Exhibit 4.8 shows the most cost effective route for serving each property. As with the north sub-basin, the cost per lot is high due to the long, directional drilled force mains and multiple rear and side yard easements required. Tables 4.8-4, 4.8-5, 4.8-6, and 4.8-7 include breakdowns of the unit quantities and unit prices used to prepare the opinion of probable cost for each individual low-pressure sanitary sewer system.

**DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN**






**EXHIBIT 4.8**

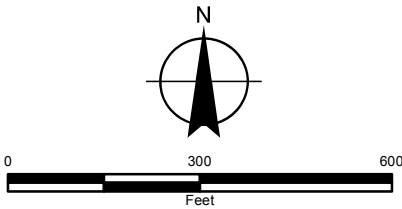
**MEYERS ROAD AND  
31ST STREET**

**POSSIBLE FORCE MAIN ALIGNMENT**

**MARCH 2019**

**LEGEND**

-  PRIVATE FORCE MAINS
-  PARCEL BOUNDARIES
-  MEYERS ROAD (NORTH)
-  MEYERS ROAD (SOUTH)
-  PROPOSED EASEMENT



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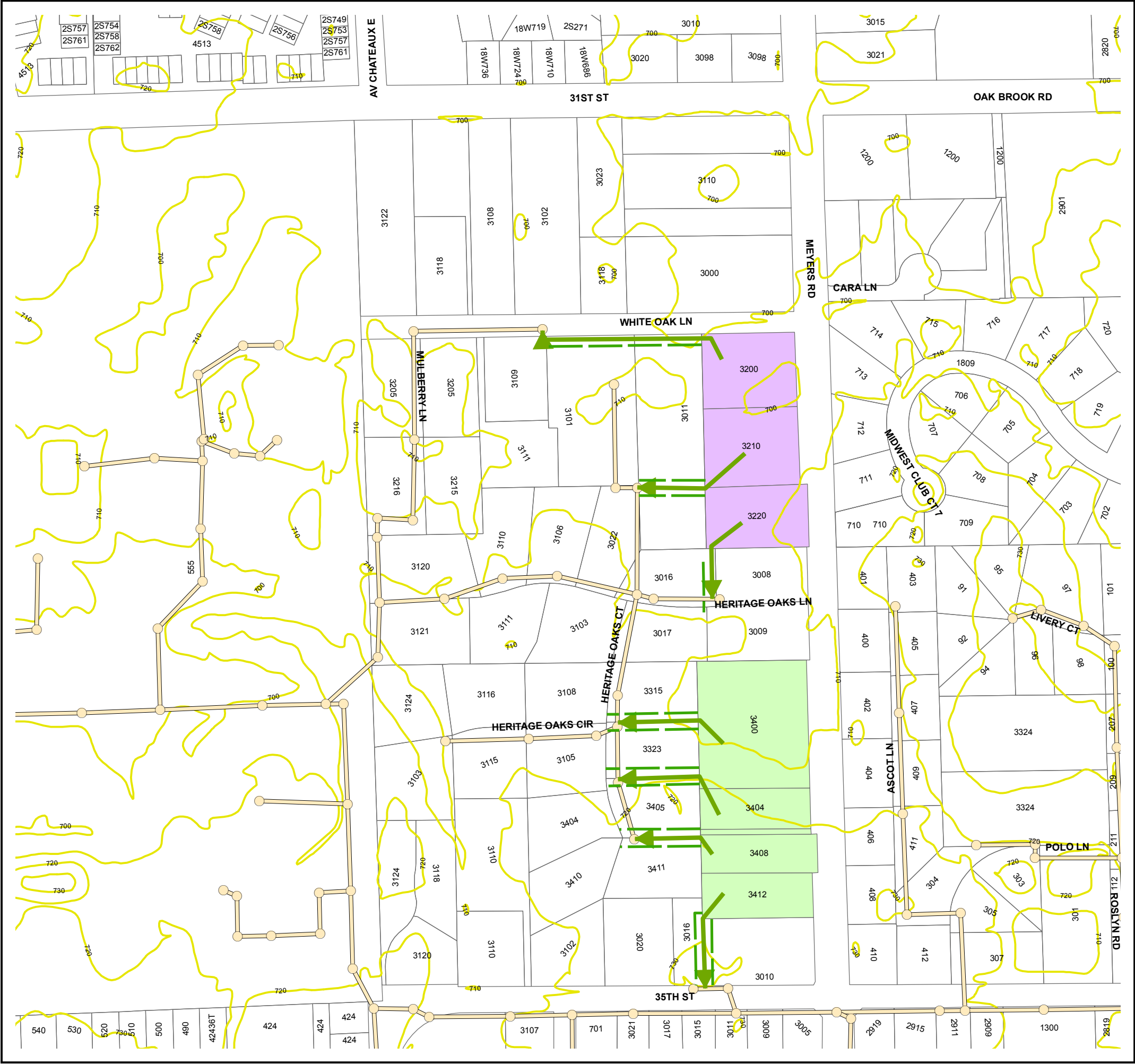


Table 4.8-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
SERVICE LATERALS				
1	GRINDER PUMP SYSTEM:	1 each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:			
	1-1/4" HDPE (OPEN CUT)	65 lin. ft.	\$ 42.00	\$ 2,730.00
	1-1/4" HDPE (DRILL)	472 lin. ft.	\$ 54.00	\$ 25,488.00
3	CONNECTION TO EXISTING MANHOLE:			
		1 each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	2 each	\$ 2,700.00	\$ 5,400.00
5	AIR RELEASE VALVES:	1 each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0 each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1 each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	117 sq.yd.	\$ 12.50	\$ 1,462.50
9	REMOVE AND REPLACE DRIVEWAYS:			
	Bituminous	10 sq.yd.	\$ 46.00	\$ 460.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	11 sq.yd.	\$ 61.00	\$ 671.00
11	TRENCH BACKFILL:			
	0-8 feet deep	15 lin. ft.	\$ 60.00	\$ 900.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 1,945.50
13	EROSION CONTROL:		Lump Sum	\$ 324.25
14	TRAFFIC CONTROL:		Lump Sum	\$ 648.50
TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 58,100.00</u>
Contingencies (20%)				\$11,600.00
Engineering (20%)				\$11,600.00
Easement Acquisition				\$19,500.00
TOTAL OPINION OF PROBABLE COST				<u><b>\$ 100,800.00</b></u>

Table 4.8-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
SERVICE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:				
	1-1/4" HDPE (OPEN CUT)	50	lin. ft.	\$ 42.00	\$ 2,100.00
	1-1/4" HDPE (DRILL)	300	lin. ft.	\$ 54.00	\$ 16,200.00
3	CONNECTION TO EXISTING MANHOLE:				
		1	each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1	each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1	each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0	each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1	each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	106	sq.yd.	\$ 12.50	\$ 1,325.00
9	REMOVE AND REPLACE DRIVEWAYS:				
	Bituminous	0	sq.yd.	\$ 46.00	\$ 0.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	0	sq.yd.	\$ 61.00	\$ 0.00
11	TRENCH BACKFILL:				
	0-8 feet deep	0	lin. ft.	\$ 60.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 2,594.00
13	EROSION CONTROL:			Lump Sum	\$ 972.75
14	TRAFFIC CONTROL:			Lump Sum	\$ 0.00
TOTAL ESTIMATE OF CONSTRUCTION COST					\$ 43,900.00
Contingencies (20%)					\$8,800.00
Engineering (20%)					\$8,800.00
Easement Acquisition					\$8,500.00
TOTAL OPINION OF PROBABLE COST					<b>\$ 70,000.00</b>



Table 4.8-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (North)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
SERVICE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:				
	1-1/4" HDPE (OPEN CUT)	150	lin. ft.	\$ 42.00	\$ 6,300.00
	1-1/4" HDPE (DRILL)	170	lin. ft.	\$ 54.00	\$ 9,180.00
3	CONNECTION TO EXISTING MANHOLE:				
		1	each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1	each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1	each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0	each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1	each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	217	sq.yd.	\$ 12.50	\$ 2,712.50
9	REMOVE AND REPLACE DRIVEWAYS:				
	Bituminous	0	sq.yd.	\$ 46.00	\$ 0.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	0	sq.yd.	\$ 61.00	\$ 0.00
11	TRENCH BACKFILL:				
	0-8 feet deep	0	lin. ft.	\$ 60.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,945.50
13	EROSION CONTROL:			Lump Sum	\$ 972.75
14	TRAFFIC CONTROL:			Lump Sum	\$ 324.25
TOTAL ESTIMATE OF CONSTRUCTION COST					\$ 42,200.00
Contingencies (20%)					\$8,400.00
Engineering (20%)					\$8,400.00
Easement Acquisition					\$6,900.00
TOTAL OPINION OF PROBABLE COST					<b>\$ 65,900.00</b>

Table 4.8-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
SERVICE LATERALS				
1	GRINDER PUMP SYSTEM:	1 each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:			
	1-1/4" HDPE (OPEN CUT)	115 lin. ft.	\$ 42.00	\$ 4,830.00
	1-1/4" HDPE (DRILL)	250 lin. ft.	\$ 54.00	\$ 13,500.00
3	CONNECTION TO EXISTING MANHOLE:			
		1 each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1 each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1 each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0 each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1 each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	178 sq.yd.	\$ 12.50	\$ 2,225.00
9	REMOVE AND REPLACE DRIVEWAYS:			
	Bituminous	0 sq.yd.	\$ 46.00	\$ 0.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	3 sq.yd.	\$ 61.00	\$ 183.00
11	TRENCH BACKFILL:			
	0-8 feet deep	10 lin. ft.	\$ 60.00	\$ 600.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 1,297.00
13	EROSION CONTROL:		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 648.50
TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 44,700.00</u>
Contingencies (20%)				\$8,900.00
Engineering (20%)				\$8,900.00
Easement Acquisition				\$10,500.00
TOTAL OPINION OF PROBABLE COST				<u><b>\$ 73,000.00</b></u>

Table 4.8-5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
SERVICE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:				
	1-1/4" HDPE (OPEN CUT)	105	lin. ft.	\$ 42.00	\$ 4,410.00
	1-1/4" HDPE (DRILL)	240	lin. ft.	\$ 54.00	\$ 12,960.00
3	CONNECTION TO EXISTING MANHOLE:				
		1	each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1	each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1	each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0	each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1	each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	167	sq.yd.	\$ 12.50	\$ 2,087.50
9	REMOVE AND REPLACE DRIVEWAYS:				
	Bituminous	0	sq.yd.	\$ 46.00	\$ 0.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	3	sq.yd.	\$ 61.00	\$ 183.00
11	TRENCH BACKFILL:				
	0-8 feet deep	10	lin. ft.	\$ 60.00	\$ 600.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,297.00
13	EROSION CONTROL:			Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:			Lump Sum	\$ 648.50
TOTAL ESTIMATE OF CONSTRUCTION COST					\$ 43,600.00
Contingencies (20%)					\$8,700.00
Engineering (20%)					\$8,700.00
Easement Acquisition					\$10,300.00
TOTAL OPINION OF PROBABLE COST					<b>\$ 71,300.00</b>

Table 4.8-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit	Price	Amount
SERVICE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:				
	1-1/4" HDPE (OPEN CUT)	130	lin. ft.	\$ 42.00	\$ 5,460.00
	1-1/4" HDPE (DRILL)	210	lin. ft.	\$ 54.00	\$ 11,340.00
3	CONNECTION TO EXISTING MANHOLE:				
		1	each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1	each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1	each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0	each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1	each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	194	sq.yd.	\$ 12.50	\$ 2,425.00
9	REMOVE AND REPLACE DRIVEWAYS:				
	Bituminous	0	sq.yd.	\$ 46.00	\$ 0.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	3	sq.yd.	\$ 61.00	\$ 183.00
11	TRENCH BACKFILL:				
	0-8 feet deep	10	lin. ft.	\$ 60.00	\$ 600.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,297.00
13	EROSION CONTROL:			Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:			Lump Sum	\$ 648.50
TOTAL ESTIMATE OF CONSTRUCTION COST					\$ 43,300.00
Contingencies (20%)					\$8,700.00
Engineering (20%)					\$8,700.00
Easement Acquisition					\$8,900.00
TOTAL OPINION OF PROBABLE COST					<b>\$ 69,600.00</b>

Table 4.8-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meyers Road (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
SERVICE LATERALS				
1	GRINDER PUMP SYSTEM:	1 each	\$ 10,800.00	\$ 10,800.00
2	BUILDING SERVICE LINES:			
	1-1/4" HDPE (OPEN CUT)	140 lin. ft.	\$ 42.00	\$ 5,880.00
	1-1/4" HDPE (DRILL)	215 lin. ft.	\$ 54.00	\$ 11,610.00
3	CONNECTION TO EXISTING MANHOLE:			
		1 each	\$ 6,000.00	\$ 6,000.00
4	CLEAN-OUTS:	1 each	\$ 2,700.00	\$ 2,700.00
5	AIR RELEASE VALVES:	1 each	\$ 1,038.00	\$ 1,038.00
6	BUILDING SERVICE FITTINGS:	0 each	\$ 208.00	\$ 0.00
7	BUILDING SERVICE PLUG:	1 each	\$ 208.00	\$ 208.00
8	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and Sod	206 sq.yd.	\$ 12.50	\$ 2,575.00
9	REMOVE AND REPLACE DRIVEWAYS:			
	Bituminous	7 sq.yd.	\$ 46.00	\$ 322.00
10	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
11	TRENCH BACKFILL:			
	0-8 feet deep	10 lin. ft.	\$ 60.00	\$ 600.00
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 1,297.00
13	EROSION CONTROL:		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 1,945.50
TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 45,600.00</u>
Contingencies (20%)				\$9,100.00
Engineering (20%)				\$9,100.00
Easement Acquisition				\$5,500.00
TOTAL OPINION OF PROBABLE COST				<u><b>\$ 69,300.00</b></u>

#### 4.9 57<sup>th</sup> and Grant

57<sup>th</sup> and Grant is a small service area located within the District's FPA boundary. Exhibit 4.9 shows the approximate limits of this service area which is located west of Cass Avenue on 57<sup>th</sup> Street. The District's collection system has been extended to all properties in this service area.

A map of the collection system is included in Exhibit 4.9.

Sanitary sewers are available to all parcels in the 57<sup>th</sup> and Grant sub-basin as of March 2015. Approximately 315 feet of 8-inch sanitary sewer, two manholes, and one service connection was constructed in 2014 by a developer for an estimated cost of \$40,000, including engineering costs. The service connection was provided to the house being constructed by the developer. The Engineer's estimate for extending this sewer and installing four service connections was \$169,000, including contingency, engineering, legal/administrative, and easement costs with the average cost per lot at approximately \$28,320.

**DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN**

**EXHIBIT 4.9**

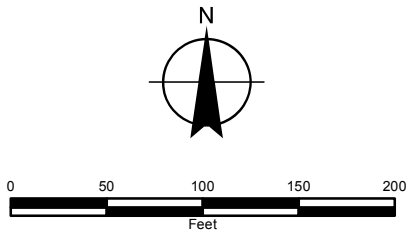
**57th & GRANT ST**

**POSSIBLE SEWER ALIGNMENT**

**MARCH 2019**

**LEGEND**

- PROPOSED MANHOLES
- PROPOSED SEWERS
- EXISTING MANHOLES
- EXISTING SEWERS
- PARCEL BOUNDARIES
- ||| EXISTING EASEMENT



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4-9 57th.mxd 503jmj - 4/2/2019  
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Table 4.9-1

**Downers Grove Sanitary District**

**Possible Special Assessment for Sanitary Sewers**

**57th and Grant**

**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	Manhole <u>Depth</u>
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(Sanitary sewers are available as of March 2015.)



Table 4.9-2

**Downers Grove Sanitary District**

March 2019

**Possible Special Assessment for Sanitary Sewers****57th and Grant****Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approximate Quantity	Unit Price	Amount
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(Sanitary sewers are available as of March 2015.)

Table 4.9-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**57th and Grant**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
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(Sanitary sewers are available as of March 2015.)

#### 4.10 60th and Cumnor

60th and Cumnor is a sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.10, the approximate limits of this sub-area are Fairview Avenue to the west, 59<sup>th</sup> Street to the north, Williams Street to the east, and 61<sup>st</sup> Street to the south. The proposed service area includes approximately 57 single-family residences with septic systems or vacant lots. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving unsewered properties within the 60th and Cumnor sub-area.

A number of factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, easements, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The 60th and Cumnor sub-area has a high point near 60th and Cumnor and the topography generally falls to the north and east. However, there are multiple smaller drainage divides in the sub-area. Serving the subject properties by following the ground contours will avoid deep cuts through the higher elevations along drainage divides. The study area can be divided into multiple smaller service areas in order to create the most cost effective plan.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The one major road crossing that would significantly increase construction cost in this sub-area is Fairview Avenue. Thus, alternatives were considered to minimize crossing of this route with both the mainline sewer and building services.

The Village of Westmont owns and operates water mains on the streets within the sub-area. Water main atlases were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the 60th and Cumnor sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
59 <sup>th</sup> (West)	15	Table 4.10-1	Table 4.10-2
59 <sup>th</sup> (East)	4	Table 4.10-3	Table 4.10-4
60 <sup>th</sup> (West)	11	Table 4.10-5	Table 4.10-6
60 <sup>th</sup> and Cumnor	7	Table 4.10-7	Table 4.10-8
60 <sup>th</sup> (East)	3	Table 4.10-9	Table 4.10-10
Cumnor (South)	2	Table 4.10-11	Table 4.10-12
61 <sup>st</sup> and Cumnor	12	Table 4.10-13	Table 4.10-14
61 <sup>st</sup> (East)	3	Table 4.10-15	Table 4.10-16

Table 4.10-17 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.10.

The 59<sup>th</sup> (West) sub-basin sewer plan follows the topography which falls from Fairview east to Raintree Lane. The sewer should be placed in the north right-of-way to avoid the water main and overhead power lines in the south right-of-way. In 2012 approximately 100 feet of 8-inch sanitary sewer and 1 service were constructed for a total price of \$22,000. Table 4.10-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$349,300 including contingency, engineering, and legal/administrative costs.

The 59<sup>th</sup> (East) sub-basin sewer plan follows the topography east to Williams Street. The sewer must be placed in the pavement to avoid utilities and trees in both parkways. This is the most costly sub-basin because of the pavement restoration, trench backfill, and small number of serviceable lots. Table 4.10-3 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-4 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$304,800, including contingency, engineering, and legal/administrative costs.

The 60<sup>th</sup> (West) sub-basin sewer plan follows the existing topography which falls west towards Fairview Avenue. The sewer should be placed in the south parkway to match the alignment of the existing sewer and avoid a road crossing. Table 4.10-5 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$213,000, including contingency, engineering, and legal/administrative costs.

The 60<sup>th</sup> and Cumnor sub-basin sewer plan follows the existing topography which falls from 293 W. 60<sup>th</sup> Street east to 217 W. 60<sup>th</sup> Street. Similar to the previous sub-basin, this sewer should be placed in the south parkway to avoid the existing water main and overhead power lines in the north parkway. Table 4.10-7 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-8 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$144,500, including contingency, engineering, and legal/administrative costs.

The 60<sup>th</sup> (East) sub-basin sewer plan will flow east from 105 W. 60<sup>th</sup> Street to the existing sanitary manhole at 35 W. 60<sup>th</sup> Street. The sewer should be placed in the south right-of-way to match the existing sewer alignment and avoid a road crossing. Table 4.10-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$77,900, including contingency, engineering, and legal/administrative costs.

The Cumnor (South) sub-basin sewer plan will connect to the sewer on 61<sup>st</sup> Street, west of the existing manhole W-1-41. The existing sewer that is south of the intersection of 60th and

Cumnor does not have adequate cover to serve the sub-basin. This sub-basin is the second most costly per lot in the 60th and Cumnor sub-basin due to the small number of lots associated with the project. Table 4.10-11 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-12 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$108,100, including contingency, engineering, and legal/administrative costs.

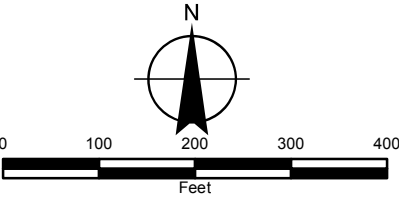
The 61<sup>st</sup> and Cumnor sub-basin sewer plan will connect to the sewer at the southeast corner of Cumnor and 61<sup>st</sup>. The sewer should be placed in the west-bound travel lane to avoid the water main in the south parkway and the power lines, underground communication, and wetlands in the north parkway. Table 4.10-13 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-14 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$375,600 including contingency, engineering, and legal/administrative costs.

The 61<sup>st</sup> (East) sub-basin sewer plan will connect to the manhole 200 feet west of the northwest intersection of Williams and 61<sup>st</sup>. Unlike the sewer to the west, this sewer can be placed in the north parkway despite the utilities. Table 4.10-15 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.10-16 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$83,000, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

EXHIBIT 4.10  
60TH AND CUMNOR  
POSSIBLE SEWER ALIGNMENT  
MARCH 2019

- LEGEND**
- PROPOSED MANHOLES
  - PROPOSED SEWERS
  - EXISTING MANHOLES
  - EXISTING SEWERS
  - PARCEL BOUNDARIES
  - 59TH (WEST);TABLES 4.10-1, 4.10-2
  - 59TH (EAST);TABLES 4.10-3, 4.10-4
  - 60TH (WEST);TABLES 4.10-5, 4.10-6
  - 60TH AND CUMNOR;TABLES 4.10-7, 4.10-8
  - 60TH (EAST);TABLES 4.10-9, 4.10-10
  - CUMNOR (SOUTH);TABLES 4.10-11, 4.10-12
  - 61ST AND CUMNOR;TABLES 4.10-13, 4.10-14
  - 61ST (EAST);TABLES 4.10-15, 4.10-16



**BAXTER & WOODMAN**  
Consulting Engineers

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Table 4.10-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (West)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>59th Street</u>					
G-5-093 (existing)	736.0	723.50	230	1.39%	12.5
UJ-3	736.0	726.69	300	1.10%	9.3
UJ-2	740.0	729.99	300	1.00%	10.0
UJ-1	741.0	732.99			8.0

Table 4.10-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	830	lin. ft.	\$ 85.00	\$ 70,550.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	3	each	\$ 6,200.00	\$ 18,600.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	140	lin. ft.	\$ 110.00	\$ 15,400.00
5	TREE TUNNELING	130	lin. ft.	\$ 187.00	\$ 24,310.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	830	lin. ft.	\$ 2.45	\$ 2,033.50
7	SEWER TESTING FOR FINAL INSPECTION	830	lin. ft.	\$ 2.45	\$ 2,033.50
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	90	lin. ft.	\$ 79.00	\$ 7,110.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	1,533	sq.yd.	\$ 13.00	\$ 19,929.00
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	160	sq.yd.	\$ 47.00	\$ 7,520.00
	Aggregate	18	sq.yd.	\$ 20.00	\$ 360.00



Table 4.10-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 1,945.50
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 1,945.50
	SUBTOTAL			<u>\$ 178,385.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	80 lin. ft.	\$ 48.00	\$ 3,840.00
	Far side	350 lin. ft.	\$ 48.00	\$ 16,800.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	8 each	\$ 540.00	\$ 4,320.00
	Far side	7 each	\$ 665.00	\$ 4,655.00
3	BUILDING SERVICE PLUG:	15 each	\$ 203.00	\$ 3,045.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	400 sq.yd.	\$ 12.50	\$ 5,000.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	137 sq.yd.	\$ 61.00	\$ 8,357.00
6	TRENCH BACKFILL			
	0-8 feet deep	182 lin. ft.	\$ 60.00	\$ 10,920.00
	SUBTOTAL			<u>\$ 56,937.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 235,300.00</u>
	Contingencies (20%)		2.00	\$47,100.00
	Engineering (20%)			\$47,100.00
	Legal / Admin (6%)			\$19,800.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 349,300.00</b></u>
	Cost per lot			\$23,290.00

Table 4.10-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (East)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>59th Street</u>					
W-1-13 (existing)	728.0	714.68	56	5.00%	13.3
UJ-7	728.0	717.48	300	1.50%	10.5
UJ-6	731.0	721.98	280	1.50%	9.0
UJ-5	737.0	726.18			10.8

Table 4.10-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 8-12 feet deep	620	lin. ft.	\$	85.00	\$ 52,700.00
	12-16 feet deep	16	lin. ft.	\$	103.00	\$ 1,648.00
2	SANITARY MANHOLES					
	48-inch 8-12 feet deep	3	each	\$	6,200.00	\$ 18,600.00
	12-16 feet deep	0	each	\$	7,500.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 8-12 feet deep	620	lin. ft.	\$	110.00	\$ 68,200.00
	12-16 feet deep	16	lin. ft.	\$	134.00	\$ 2,144.00
5	TREE TUNNELING	0	lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	636	lin. ft.	\$	2.45	\$ 1,558.20
7	SEWER TESTING FOR FINAL INSPECTION	636	lin. ft.	\$	2.45	\$ 1,558.20
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	0	lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	50	sq.yd.	\$	13.00	\$ 650.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	565	sq.yd.	\$	62.00	\$ 35,030.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	0	sq.yd.	\$	47.00	\$ 0.00

Table 4.10-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**59th (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
12	TRAFFIC CONTROL:			Lump Sum	\$ 4,539.50
	SUBTOTAL				<u>\$ 192,627.90</u>
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	100	lin. ft.	\$ 48.00	\$ 4,800.00
	Far side	0	lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	4	each	\$ 540.00	\$ 2,160.00
	Far side	0	each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	4	each	\$ 203.00	\$ 812.00
4	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	91	sq.yd.	\$ 12.50	\$ 1,137.50
5	RESTORATION OF STREETS:				
	PCC Curb & Gutter	40	lin. ft.	\$ 35.00	\$ 1,400.00
6	TRENCH BACKFILL				
	0-8 feet deep	40	lin. ft.	\$ 60.00	\$ 2,400.00
	SUBTOTAL				<u>\$ 12,709.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 205,300.00</u>
	Contingencies (20%)				\$41,100.00
	Engineering (20%)				\$41,100.00
	Legal / Admin (6%)				\$17,300.00
	TOTAL OPINION OF PROBABLE COST				<u><b>\$ 304,800.00</b></u>
	Cost per lot				\$76,200.00

Table 4.10-5

**Downers Grove Sanitary District****Possible Special Assessment for Sanitary Sewers****60th (West)****Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>60th Street</u>					
W-1-104-E (existing)	741.2	735.84	400	0.40%	5.3
UJ-8	746.0	737.44			8.6

Table 4.10-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	150	lin. ft.	\$	73.00	\$ 10,950.00
	8-12 feet deep	250	lin. ft.	\$	85.00	\$ 21,250.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	0	each	\$	4,700.00	\$ 0.00
	8-12 feet deep	1	each	\$	6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 8-12 feet deep	160	lin. ft.	\$	110.00	\$ 17,600.00
5	TREE TUNNELING	100	lin. ft.	\$	187.00	\$ 18,700.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	400	lin. ft.	\$	2.45	\$ 980.00
7	SEWER TESTING FOR FINAL INSPECTION	400	lin. ft.	\$	2.45	\$ 980.00
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	105	lin. ft.	\$	79.00	\$ 8,295.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	733	sq.yd.	\$	13.00	\$ 9,529.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	0	sq.yd.	\$	62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	100	sq.yd.	\$	47.00	\$ 4,700.00
	Aggregate	9	sq.yd.	\$	20.00	\$ 180.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 2,269.75

Table 4.10-6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th (West)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
13	EROSION CONTROL			Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:			Lump Sum	\$ 1,945.50
	SUBTOTAL				<u>\$ 110,227.75</u>
SERVICE LATERALS					
1	BUILDING SERVICE LINES				
	Near side	128	lin. ft.	\$ 48.00	\$ 6,144.00
	Far side	150	lin. ft.	\$ 48.00	\$ 7,200.00
2	BUILDING SERVICE BRANCH FITTINGS				
	Near Side	8	each	\$ 540.00	\$ 4,320.00
	Far side	3	each	\$ 665.00	\$ 1,995.00
3	BUILDING SERVICE PLUG:	11	each	\$ 203.00	\$ 2,233.00
4	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	222	sq.yd.	\$ 12.50	\$ 2,775.00
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	61	sq.yd.	\$ 61.00	\$ 3,721.00
6	TRENCH BACKFILL				
	0-8 feet deep	81	lin. ft.	\$ 60.00	\$ 4,860.00
	SUBTOTAL				<u>\$ 33,248.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST				<u>\$ 143,500.00</u>
	Contingencies (20%)				\$28,700.00
	Engineering (20%)				\$28,700.00
	Legal / Admin (6%)				\$12,100.00
	TOTAL OPINION OF PROBABLE COST				<u>\$ 213,000.00</u>
	Cost per lot				\$19,360.00

Table 4.10-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th and Cumnor**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>60th Street</u>					
G-5-095 (existing)	747.0	735.10	267	0.40%	11.9
UJ-9	745.0	736.17			8.8



Table 4.10-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th and Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	267	lin. ft.	\$ 85.00	\$ 22,695.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	1	each	\$ 6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	60	lin. ft.	\$ 110.00	\$ 6,600.00
5	TREE TUNNELING	50	lin. ft.	\$ 187.00	\$ 9,350.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	267	lin. ft.	\$ 2.45	\$ 654.15
7	SEWER TESTING FOR FINAL INSPECTION	267	lin. ft.	\$ 2.45	\$ 654.15
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	60	lin. ft.	\$ 79.00	\$ 4,740.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	378	sq.yd.	\$ 13.00	\$ 4,914.00
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	76	sq.yd.	\$ 47.00	\$ 3,572.00
	Aggregate	16	sq.yd.	\$ 20.00	\$ 320.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,945.50

Table 4.10-8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th and Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 1,945.50
	SUBTOTAL			<u>\$ 70,238.80</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	64 lin. ft.	\$ 48.00	\$ 3,072.00
	Far side	150 lin. ft.	\$ 48.00	\$ 7,200.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	4 each	\$ 540.00	\$ 2,160.00
	Far side	3 each	\$ 665.00	\$ 1,995.00
3	BUILDING SERVICE PLUG:	7 each	\$ 203.00	\$ 1,421.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	178 sq.yd.	\$ 12.50	\$ 2,225.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	64 sq.yd.	\$ 61.00	\$ 3,904.00
6	TRENCH BACKFILL			
	0-8 feet deep	84 lin. ft.	\$ 60.00	\$ 5,040.00
	SUBTOTAL			<u>\$ 27,017.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 97,300.00</u>
	Contingencies (20%)			\$19,500.00
	Engineering (20%)			\$19,500.00
	Legal / Admin (6%)			\$8,200.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 144,500.00</b></u>
	Cost per lot			\$20,640.00

Table 4.10-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th (East)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>60th Street</u>					
G-6-155 (existing)	739.0	731.19	120	2.00%	7.8
UJ-11	744.0	733.59			10.4

Table 4.10-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th & Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	20	lin. ft.	\$	73.00	\$ 1,460.00
	8-12 feet deep	100	lin. ft.	\$	85.00	\$ 8,500.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	0	each	\$	4,700.00	\$ 0.00
	8-12 feet deep	1	each	\$	6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 8-12 feet deep	44	lin. ft.	\$	110.00	\$ 4,840.00
5	TREE TUNNELING	30	lin. ft.	\$	187.00	\$ 5,610.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	120	lin. ft.	\$	2.45	\$ 294.00
7	SEWER TESTING FOR FINAL INSPECTION	120	lin. ft.	\$	2.45	\$ 294.00
8	CULVERT REMOVAL AND REPLACEMENT					
	15-inch	30	lin. ft.	\$	100.00	\$ 3,000.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	244	sq.yd.	\$	13.00	\$ 3,172.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	0	sq.yd.	\$	62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	30	sq.yd.	\$	47.00	\$ 1,410.00
	Aggregate	0	sq.yd.	\$	20.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 648.50

Table 4.10-10

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**60th & Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 324.25
14	TRAFFIC CONTROL:		Lump Sum	\$ 648.50
	SUBTOTAL			<u>\$ 42,401.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	32 lin. ft.	\$ 48.00	\$ 1,536.00
	Far side	50 lin. ft.	\$ 48.00	\$ 2,400.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	2 each	\$ 540.00	\$ 1,080.00
	Far side	1 each	\$ 665.00	\$ 665.00
3	BUILDING SERVICE PLUG:	3 each	\$ 203.00	\$ 609.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	67 sq.yd.	\$ 12.50	\$ 837.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	21 sq.yd.	\$ 61.00	\$ 1,281.00
6	TRENCH BACKFILL			
	0-8 feet deep	28 lin. ft.	\$ 60.00	\$ 1,680.00
	SUBTOTAL			<u>\$ 10,088.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 52,500.00</u>
	Contingencies (20%)			\$10,500.00
	Engineering (20%)			\$10,500.00
	Legal / Admin (6%)			\$4,400.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 77,900.00</u>
	Cost per lot			\$25,970.00

Table 4.10-11

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cumnor (South)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Cumnor Road</u>					
UJ-13	740.0	728.50	330	2.00%	11.5
UJ-12	746.0	735.10			10.9

Table 4.10-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cumnor (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	80	lin. ft.	\$	73.00	\$ 5,840.00
	8-12 feet deep	250	lin. ft.	\$	85.00	\$ 21,250.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	0	each	\$	4,700.00	\$ 0.00
	8-12 feet deep	1	each	\$	6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	30	lin. ft.	\$	91.00	\$ 2,730.00
	8-12 feet deep	50	lin. ft.	\$	110.00	\$ 5,500.00
5	TREE TUNNELING	0	lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	330	lin. ft.	\$	2.45	\$ 808.50
7	SEWER TESTING FOR FINAL INSPECTION	330	lin. ft.	\$	2.45	\$ 808.50
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	19	lin. ft.	\$	79.00	\$ 1,501.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	600	sq.yd.	\$	13.00	\$ 7,800.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	36	sq.yd.	\$	62.00	\$ 2,232.00
	PCC Curb & Gutter	10	lin. ft.	\$	40.00	\$ 400.00
	PCC Sidewalk	50	sq. ft.	\$	13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	76	sq.yd.	\$	47.00	\$ 3,572.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 648.50

Table 4.10-12

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Cumnor (South)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 324.25
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,918.25
	SUBTOTAL			<u>\$ 69,183.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	32 lin. ft.	\$ 48.00	\$ 1,536.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	2 each	\$ 540.00	\$ 1,080.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	2 each	\$ 203.00	\$ 406.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	50 sq.yd.	\$ 12.50	\$ 625.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 3,647.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 72,800.00</u>
	Contingencies (20%)			\$14,600.00
	Engineering (20%)			\$14,600.00
	Legal / Admin (6%)			\$6,100.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 108,100.00</b></u>
	Cost per lot			\$54,050.00



Table 4.10-13

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st and Cumnor**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>61st Street</u>					
W-1-41 (existing)	736.3	725.04	50	0.40%	11.3
UJ-14	734.0	725.24	380	0.40%	8.8
UJ-15	734.0	726.76	310	0.60%	7.2
UJ-16	741.0	728.62			12.4

Table 4.10-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st and Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	80	lin. ft.	\$	73.00	\$ 5,840.00
	8-12 feet deep	660	lin. ft.	\$	85.00	\$ 56,100.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	2	each	\$	6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	80	lin. ft.	\$	91.00	\$ 7,280.00
	8-12 feet deep	660	lin. ft.	\$	110.00	\$ 72,600.00
5	TREE TUNNELING	0	lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	740	lin. ft.	\$	2.45	\$ 1,813.00
7	SEWER TESTING FOR FINAL INSPECTION	740	lin. ft.	\$	2.45	\$ 1,813.00
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	0	lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	33	sq.yd.	\$	13.00	\$ 429.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	658	sq.yd.	\$	62.00	\$ 40,796.00
	PCC Curb & Gutter	120	lin. ft.	\$	40.00	\$ 4,800.00
	PCC Sidewalk	50	sq. ft.	\$	13.00	\$ 650.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	0	sq.yd.	\$	47.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 648.50

Table 4.10-14

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st and Cumnor**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 1,945.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 6,485.00
	SUBTOTAL			<u>\$ 224,300.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	336 lin. ft.	\$ 48.00	\$ 16,128.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	12 each	\$ 540.00	\$ 6,480.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	12 each	\$ 203.00	\$ 2,436.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	300 sq.yd.	\$ 12.50	\$ 3,750.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 28,794.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 253,100.00</u>
	Contingencies (20%)			\$50,600.00
	Engineering (20%)			\$50,600.00
	Legal / Admin (6%)			\$21,300.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 375,600.00</b></u>
	Cost per lot			\$31,300.00

Table 4.10-15

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st (East)**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>61st Street</u>					
G-6-155 (existing)	739.0	731.19	230	2.00%	7.8
UJ-17	744.0	735.79			8.2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	130	lin. ft.	\$	73.00	\$ 9,490.00
	8-12 feet deep	100	lin. ft.	\$	85.00	\$ 8,500.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	0	each	\$	6,200.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	15	lin. ft.	\$	91.00	\$ 1,365.00
	8-12 feet deep	15	lin. ft.	\$	110.00	\$ 1,650.00
5	TREE TUNNELING	20	lin. ft.	\$	187.00	\$ 3,740.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	230	lin. ft.	\$	2.45	\$ 563.50
7	SEWER TESTING FOR FINAL INSPECTION	230	lin. ft.	\$	2.45	\$ 563.50
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	20	lin. ft.	\$	79.00	\$ 1,580.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	444	sq.yd.	\$	13.00	\$ 5,772.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	0	sq.yd.	\$	62.00	\$ 0.00
	PCC Curb & Gutter	0	lin. ft.	\$	40.00	\$ 0.00
	PCC Sidewalk	0	sq. ft.	\$	13.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	13	sq.yd.	\$	47.00	\$ 611.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 1,297.00

Table 4.10-16

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**61st (East)**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 324.25
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,594.00
	SUBTOTAL			<u>\$ 48,750.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	84 lin. ft.	\$ 48.00	\$ 4,032.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	3 each	\$ 540.00	\$ 1,620.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	3 each	\$ 203.00	\$ 609.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	75 sq.yd.	\$ 12.50	\$ 937.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 7,198.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 55,900.00</u>
	Contingencies (20%)			\$11,200.00
	Engineering (20%)			\$11,200.00
	Legal / Admin (6%)			\$4,700.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 83,000.00</u>
	Cost per lot			\$27,670.00

Table 4.10-17

**Downers Grove Sanitary District**  
**Possible Special Assessments for Sanitary Sewers**  
**60th and Cumnor Sub-Area**  
**Cost Summary**

March 2019

Sub-Basin:	Near Services	Far Services	Total Project Cost		Cost per lot
59th (West)	8	7	\$	349,300.00	\$ 23,290.00
59th (East)	4	0	\$	304,800.00	\$ 76,200.00
60th (West)	8	3	\$	213,000.00	\$ 19,360.00
60th and Cumnor	4	3	\$	144,500.00	\$ 20,640.00
60th (East)	2	1	\$	77,900.00	\$ 25,970.00
Cumnor (South)	2	0	\$	108,100.00	\$ 54,050.00
61st and Cumnor	12	0	\$	375,600.00	\$ 31,300.00
61st (East)	3	0	\$	83,000.00	\$ 27,670.00
TOTALS	43	14	\$	1,656,200.00	\$ 29,060.00

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#### 4.11 63<sup>rd</sup> Corridor

The 63<sup>rd</sup> Corridor is a sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.11, the approximate limits of this sub-area are Carpenter Street to the west, 62<sup>nd</sup> Street to the north, Florence Avenue to the east, and 65<sup>th</sup> Street to the south. The proposed service area includes approximately 76 single-family residences with septic systems or vacant lots. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving all unsewered properties within the 63<sup>rd</sup> Corridor sub-area.

A number of factors were considered when determining the most cost-effective sewer layout. These factors include topography, major road crossings, easements, wetlands, tree protection, water main and existing utility location, and existing downstream sewer capacity. The 63<sup>rd</sup> Corridor sub-area contains a number of small pockets of unsewered lots that have multiple drainage divides. Serving the subject properties by following the ground contours will avoid deep cuts through the higher elevations along drainage divides. The study area can be divided into multiple smaller service areas in order to create the most cost effective plan.

In addition to following the ground contours, the low-cost sewer layout also needs to consider avoiding major road crossings. The three major road crossings that would significantly increase construction cost in this sub-area are 63<sup>rd</sup> Street, Main Street, and Fairview Avenue. Thus, alternatives were considered to minimize crossing of this route with both the mainline sewer and building services.

The Villages of Downers Grove and Westmont own and operate water mains on the streets within the sub-area. The water main design drawings were reviewed and field investigations of the sewer routes were completed to reduce the potential for utility conflicts and to ensure that the required ten feet of separation from water mains can be achieved.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that all of the existing sewers have adequate capacity to receive the additional flow from the 63<sup>rd</sup> Corridor sub-area.

For this analysis, the subject area was subdivided into smaller, more manageable sub-basins. The sub-basins were created using topography and projected sewer connection points.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
Carpenter and 63rd	8	Table 4.11-1	Table 4.11-2
Norfolk and Carpenter	8	Table 4.11-3	Table 4.11-4
Meadowlawn and Washington	28	Table 4.11-5	Table 4.11-6
63 <sup>rd</sup> and Lyman	7	Table 4.11-7	Table 4.11-8
Fairmount and 63rd	9	Table 4.11-9	Table 4.11-10
Blodgett and 62nd	1	Table 4.11-11	Table 4.11-12
63 <sup>rd</sup> and Osage	7	Table 4.11-13	Table 4.11-14
Grand Avenue	8	Table 4.11-15	Table 4.11-16



Table 4.11-17 is a summary table of opinions of probable cost. A map of the proposed sewer plan is included in Exhibit 4.11.

The Carpenter and 63rd sub-basin sewer plan follows the topography which falls west and south from Main Street and 63<sup>rd</sup> to Adelia and Carpenter. The existing sewers on the north side of 63<sup>rd</sup> and west side of Main Street are too shallow to serve this area. Thus, the sewer should be placed in the existing alley south of 63<sup>rd</sup> Street and on the east side of Carpenter to avoid the multiple existing utilities. Table 4.11-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$200,100, including contingency, engineering, and legal/administrative costs.

The Norfolk and Carpenter sub-basin topography falls from the ridge east of Carpenter, west along Norfolk and the sewer will need to flow west to the existing manhole on southwest corner of Carpenter and Norfolk. The sewer should match the alignment of the existing sewer in the south parkway. Table 4.11-3 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-4 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$156,400, including contingency, engineering, and legal/administrative costs.

The Meadowlawn and Washington sub-basin sewer plan follows the existing topography southeast to the existing manhole on Washington Street. The sewer should be placed in the south parkway of Meadowlawn, the east right-of-way of Washington, and an easement on 63<sup>rd</sup> to avoid the existing water main, IBC ducts, and power poles. The existing sewers to the west on 63<sup>rd</sup> and Meadowlawn are too shallow to serve this area. Table 4.11-5 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$816,300, including contingency, engineering, easements, and legal/administrative costs.

The 63<sup>rd</sup> and Lyman sub-basin sewer plan follows the topography east from 912 W. 63<sup>rd</sup> Street to the existing sewer on Lyman Avenue. This sewer will be parallel to a sewer on the south side of 63<sup>rd</sup> to avoid a large number of service crossings. This sewer should be placed in an easement to avoid the existing utilities in the parkway. This is the second most costly sub-basin because of the easements and the small number of serviceable lots. Table 4.11-7 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-8 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$348,800, including contingency, engineering, easements, and legal/administrative costs.

The Fairmount and 63rd sub-basin sewer plan will flow towards the existing manhole on the northeast corner of Fairmount and 63<sup>rd</sup> Street. The sewer on the south side of 63<sup>rd</sup> should be placed in easements, while the sewer on Fairmount will be placed in the pavement to avoid existing utilities. The existing sewer to the south on Fairmount is too shallow to serve this area. This sub-basin is the most costly because of augering under 63<sup>rd</sup>, the multiple easements, and the

low density of serviceable lots. Table 4.11-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$462,500, including contingency, engineering, easements, and legal/administrative costs.

The Blodgett and 62nd sub-basin sewer plan consists of a sewer extending east from Blodgett to serve only 535 W. 62<sup>nd</sup> Street. The existing sewer on Grand Avenue is not a possible connection point because the sewer is not deep enough. Table 4.11-11 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-12 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$45,200, including contingency, engineering, easements, and legal/administrative costs.

The 63<sup>rd</sup> and Osage sub-basin sewer plan will flow along the north side of 63<sup>rd</sup> Street from Blodgett to east of Osage Avenue. These properties along 63<sup>rd</sup> could not be served by the possible sewer on Grand Avenue or the existing sewer on Osage Avenue because of lack of adequate cover. This sewer should also be placed in an easement. The property at 630 W. 63<sup>rd</sup> Street is a lot that could be redeveloped at a later time and served by this sewer extension. Table 4.11-13 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-14 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$283,800, including contingency, engineering, easements, and legal/administrative costs.

The Grand Avenue sub-basin sewer plan will connect to the proposed 63<sup>rd</sup> and Osage sewer at 63<sup>rd</sup> and Grand. The existing sewer north of the intersection of Grand and 62<sup>nd</sup> is too shallow to adequately serve this area. The sewer should be placed in the east parkway between the sidewalk and pavement. Table 4.11-15 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.11-16 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$175,600, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

EXHIBIT 4.11

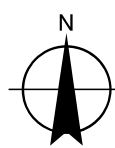
63rd CORRIDOR

POSSIBLE SEWER ALIGNMENT

MARCH 2019

LEGEND

- PROPOSED MANHOLES
- PROPOSED SEWERS
- EXISTING MANHOLES
- EXISTING SEWERS
- ▭ PARCEL BOUNDARIES
- ▭ CARPENTER AND 63RD; TABLES 4.11-1, 4.11-2
- ▭ NORFOLK AND CARPENTER; TABLES 4.11-3, 4.11-4
- ▭ MEADOWLAWN AND WASHINGTON; TABLES 4.11-5, 4.11-6
- ▭ 63RD AND LYMAN; TABLES 4.11-7, 4.11-8
- ▭ FAIRMOUNT AND 63RD; TABLES 4.11-9, 4.11-10
- ▭ BLODGETT AND 62ND; TABLES 4.11-11, 4.11-12
- ▭ 63RD AND OSAGE; TABLES 4.11-13, 4.11-14
- ▭ GRAND AVENUE; TABLES 4.11-15, 4.11-16



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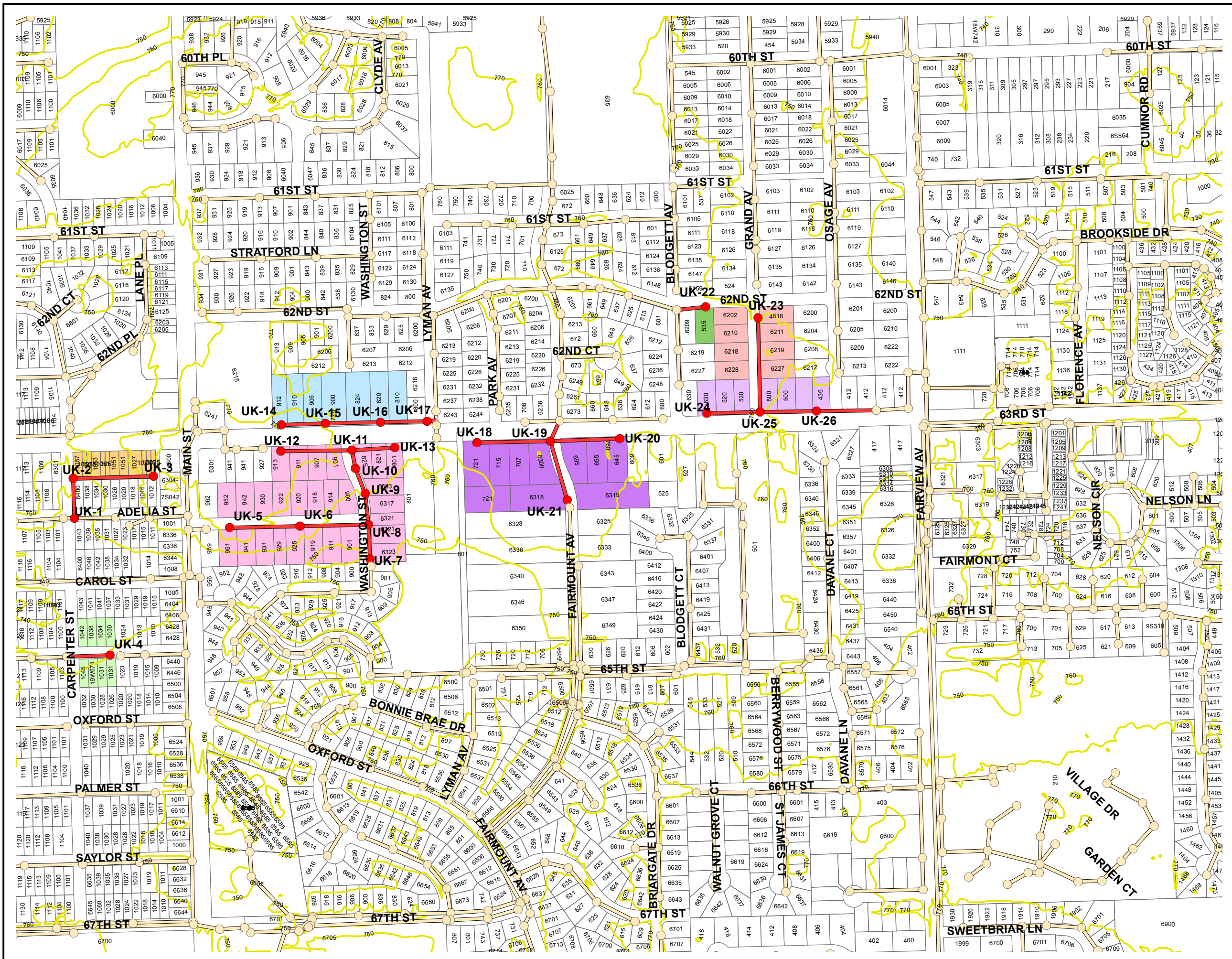


Table 4.11-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Carpenter and 63rd**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Carpenter Street</u>					
UK-1	745.9	740.75	223	0.40%	5.1
UK-2	750.0	741.64			8.4
<u>63rd Street</u>					
UK-3	767.0	754.97	430	3.10%	12.0

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Carpenter and 63rd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	223	lin. ft.	\$	73.00	\$ 16,279.00
	8-12 feet deep	430	lin. ft.	\$	85.00	\$ 36,550.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	1	each	\$	6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	60	lin. ft.	\$	91.00	\$ 5,460.00
	8-12 feet deep	76	lin. ft.	\$	110.00	\$ 8,360.00
5	TREE TUNNELING	60	lin. ft.	\$	187.00	\$ 11,220.00
6	SEWER TELEVISION FOR FINAL INSPECTION	653	lin. ft.	\$	2.45	\$ 1,599.85
7	SEWER TESTING FOR FINAL INSPECTION	653	lin. ft.	\$	2.45	\$ 1,599.85
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	0	lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	1,384	sq.yd.	\$	13.00	\$ 17,997.78
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	27	sq.yd.	\$	62.00	\$ 1,653.33
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	14	sq.yd.	\$	47.00	\$ 668.44
	Aggregate	4	sq.yd.	\$	20.00	\$ 88.89
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 2,594.00



**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Carpenter and 63rd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 1,297.00
15	SPECIAL RESTORATION:		Lump Sum	\$ 1,945.50
	SUBTOTAL			<u>\$ 124,862.14</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	60 lin. ft.	\$ 48.00	\$ 2,880.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	8 each	\$ 540.00	\$ 4,320.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	8 each	\$ 203.00	\$ 1,624.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	89 sq.yd.	\$ 12.50	\$ 1,111.11
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 9,935.11</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 134,800.00</u>
	Contingencies (20%)			\$27,000.00
	Engineering (20%)			\$27,000.00
	Legal / Admin (6%)			\$11,300.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 200,100.00</b></u>
	Cost per lot			\$25,010.00

Table 4.11-3

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Norfolk and Carpenter**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Carpenter Street</u>					
H-3-67-4 (existing)	745.6	738.50	230	0.40%	7.1
UK-4	748.0	739.42			8.6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Norfolk and Carpenter**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	60	lin. ft.	\$	73.00	\$ 4,380.00
	8-12 feet deep	170	lin. ft.	\$	85.00	\$ 14,450.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	0	each	\$	6,200.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	65	lin. ft.	\$	91.00	\$ 5,915.00
	8-12 feet deep	15	lin. ft.	\$	110.00	\$ 1,650.00
5	TREE TUNNELING	50	lin. ft.	\$	187.00	\$ 9,350.00
6	SEWER TELEVISION FOR FINAL INSPECTION	230	lin. ft.	\$	2.45	\$ 563.50
7	SEWER TESTING FOR FINAL INSPECTION	230	lin. ft.	\$	2.45	\$ 563.50
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	70	lin. ft.	\$	79.00	\$ 5,530.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	373	sq.yd.	\$	13.00	\$ 4,849.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	31	sq.yd.	\$	62.00	\$ 1,922.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	16	sq.yd.	\$	47.00	\$ 752.00
	Aggregate	0	sq.yd.	\$	20.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 1,297.00



Table 4.11-4

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Norfolk and Carpenter**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 324.25
14	TRAFFIC CONTROL:		Lump Sum	\$ 1,945.50
15	SPECIAL RESTORATION:		Lump Sum	\$ 972.75
16	WATER MAIN RELOCATION:	1 each	\$ 6,900.00	\$ 6,900.00
	SUBTOTAL			\$ 72,064.50
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	60 lin ft.	\$ 48.00	\$ 2,880.00
	Far side	204 lin ft.	\$ 48.00	\$ 9,792.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	4 each	\$ 540.00	\$ 2,160.00
	Far side	4 each	\$ 665.00	\$ 2,660.00
3	BUILDING SERVICE PLUG:	8 each	\$ 203.00	\$ 1,624.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	222 sq.yd.	\$ 12.50	\$ 2,775.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	75 sq.yd.	\$ 61.00	\$ 4,575.00
6	TRENCH BACKFILL			
	0-8 feet deep	112 lin. ft.	\$ 60.00	\$ 6,720.00
	SUBTOTAL			\$ 33,186.00
	TOTAL ESTIMATE OF CONSTRUCTION COST			\$ 105,300.00
	Contingencies (20%)			\$21,100.00
	Engineering (20%)			\$21,100.00
	Legal / Admin (6%)			\$8,900.00
	TOTAL OPINION OF PROBABLE COST			\$ 156,400.00
	Cost per lot			\$19,550.00

Table 4.11-5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meadowlawn and Washington**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Washington Street</u>					
H-6-55 (existing)	754.1	746.44	40	0.40%	7.7
UK-7	755.0	746.60	210	0.40%	8.4
UK-8	755.5	747.44	140	0.80%	8.1
UK-9	760.0	748.56	265	1.60%	11.4
UK-10	766.0	752.80	40	1.60%	13.2
UK-11	768.0	753.44			14.6
<u>Meadowlawn Avenue</u>					
UK-6	764.0	753.44	400	1.50%	10.6
UK-5	770.0	759.07	375	1.50%	10.9
<u>63rd Street</u>					
UK-12	772.0	759.44	400	1.50%	12.6
UK-13	763.0	754.52	270	0.40%	8.5

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meadowlawn and Washington**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	40	lin. ft.	\$ 73.00	\$ 2,920.00
	8-12 feet deep	1,810	lin. ft.	\$ 85.00	\$ 153,850.00
	12-16 feet deep	290	lin. ft.	\$ 103.00	\$ 29,870.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	6	each	\$ 6,200.00	\$ 37,200.00
	12-16 feet deep	2	each	\$ 7,500.00	\$ 15,000.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	25	lin. ft.	\$ 91.00	\$ 2,275.00
	8-12 feet deep	520	lin. ft.	\$ 110.00	\$ 57,200.00
	12-16 feet deep	100	lin. ft.	\$ 134.00	\$ 13,400.00
5	TREE TUNNELING	210	lin. ft.	\$ 187.00	\$ 39,270.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	2,140	lin. ft.	\$ 2.45	\$ 5,243.00
7	SEWER TESTING FOR FINAL INSPECTION	2,140	lin. ft.	\$ 2.45	\$ 5,243.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	80	lin. ft.	\$ 79.00	\$ 6,320.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	3,422	sq.yd.	\$ 13.00	\$ 44,486.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	93	sq.yd.	\$ 62.00	\$ 5,766.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	144	sq.yd.	\$ 47.00	\$ 6,768.00
	Aggregate	10	sq.yd.	\$ 20.00	\$ 200.00

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Meadowlawn and Washington**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 2,594.00
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 5,188.00
15	SPECIAL RESTORATION:		Lump Sum	\$ 3,242.50
	SUBTOTAL			<u>\$ 447,384.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	300 lin. ft.	\$ 48.00	\$ 14,400.00
	Far side	408 lin. ft.	\$ 48.00	\$ 19,584.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	20 each	\$ 540.00	\$ 10,800.00
	Far side	8 each	\$ 665.00	\$ 5,320.00
3	BUILDING SERVICE PLUG:	28 each	\$ 203.00	\$ 5,684.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	578 sq.yd.	\$ 12.50	\$ 7,225.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	156 sq.yd.	\$ 61.00	\$ 9,516.00
6	TRENCH BACKFILL			
	0-8 feet deep	224 lin. ft.	\$ 60.00	\$ 13,440.00
	SUBTOTAL			<u>\$ 85,969.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 533,400.00</u>
	Contingencies (20%)			\$106,700.00
	Engineering (20%)			\$106,700.00
	Legal / Admin (6%)			\$44,800.00
	Easement Acquisition			\$24,700.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 816,300.00</u>
	Cost per lot			\$29,150.00

Table 4.11-7

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**63rd and Lyman**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>63rd Street</u>					
G-3-76A (existing)	762.0	754.60	50	0.40%	7.4
UK-17	763.0	754.80	250	0.40%	8.2
UK-16	764.0	755.80	300	1.20%	8.2
UK-15	769.0	759.40	250	1.20%	9.6
UK-14	771.0	762.40			8.6

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**63rd and Lyman**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	30	lin. ft.	\$	73.00	\$ 2,190.00
	8-12 feet deep	820	lin. ft.	\$	85.00	\$ 69,700.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	0	each	\$	4,700.00	\$ 0.00
	8-12 feet deep	4	each	\$	6,200.00	\$ 24,800.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	10	lin. ft.	\$	91.00	\$ 910.00
	8-12 feet deep	215	lin. ft.	\$	110.00	\$ 23,650.00
5	TREE TUNNELING	145	lin. ft.	\$	187.00	\$ 27,115.00
6	SEWER TELEVISION FOR FINAL INSPECTION	850	lin. ft.	\$	2.45	\$ 2,082.50
7	SEWER TESTING FOR FINAL INSPECTION	850	lin. ft.	\$	2.45	\$ 2,082.50
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	30	lin. ft.	\$	79.00	\$ 2,370.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	1,656	sq.yd.	\$	13.00	\$ 21,528.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	28	sq.yd.	\$	62.00	\$ 1,736.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	106	sq.yd.	\$	47.00	\$ 4,982.00
	Aggregate	8	sq.yd.	\$	20.00	\$ 160.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 3,242.50

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**63rd and Lyman**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 5,188.00
15	SPECIAL RESTORATION:		Lump Sum	\$ 1,945.50
	SUBTOTAL			<u>\$ 200,330.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	70 lin. ft.	\$ 48.00	\$ 3,360.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	7 each	\$ 540.00	\$ 3,780.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	7 each	\$ 203.00	\$ 1,421.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	78 sq.yd.	\$ 12.50	\$ 975.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	10 lin. ft.	\$ 60.00	\$ 600.00
	SUBTOTAL			<u>\$ 10,136.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 210,500.00</u>
	Contingencies (20%)			\$42,100.00
	Engineering (20%)			\$42,100.00
	Legal / Admin (6%)			\$17,700.00
	Easement Acquisition			\$36,400.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 348,800.00</b></u>
	Cost per lot			\$49,830.00

Table 4.11-9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairmount and 63rd**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Fairmount Avenue</u>					
G-3-20 (existing)	763.0	752.70	110	0.40%	10.3
UK-19	765.0	753.14	330	0.40%	11.9
UK-21	764.0	754.46			9.5
<u>63rd Street</u>					
UK-18	763.0	754.74	400	0.40%	8.3
UK-20	762.0	754.62	370	0.40%	7.4



**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairmount and 63rd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	20	lin. ft.	\$ 73.00	\$ 1,460.00
	8-12 feet deep	1,110	lin. ft.	\$ 85.00	\$ 94,350.00
2	SANITARY SEWER (AUGER):	80	lin. ft.	\$ 268.00	\$ 21,440.00
3	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	3	each	\$ 6,200.00	\$ 18,600.00
4	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
5	TRENCH BACKFILL				
	8-inch 0-8 feet deep	0	lin. ft.	\$ 91.00	\$ 0.00
	8-12 feet deep	419	lin. ft.	\$ 110.00	\$ 46,090.00
6	TREE TUNNELING	110	lin. ft.	\$ 187.00	\$ 20,570.00
7	SEWER TELEVISION FOR FINAL INSPECTION	1,210	lin. ft.	\$ 2.45	\$ 2,964.50
8	SEWER TESTING FOR FINAL INSPECTION	1,210	lin. ft.	\$ 2.45	\$ 2,964.50
9	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	0	lin. ft.	\$ 79.00	\$ 0.00
10	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	1,578	sq.yd.	\$ 13.00	\$ 20,514.00
11	RESTORATION OF STREETS:				
	Bit. Concrete Street	267	sq.yd.	\$ 62.00	\$ 16,554.00
12	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	91	sq.yd.	\$ 47.00	\$ 4,277.00
	Aggregate	5	sq.yd.	\$ 20.00	\$ 100.00
13	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 2,594.00

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Fairmount and 63rd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
14	EROSION CONTROL		Lump Sum	\$ 648.50
15	TRAFFIC CONTROL:		Lump Sum	\$ 5,188.00
16	SPECIAL RESTORATION:		Lump Sum	\$ 1,621.25
	SUBTOTAL			<u>\$ 270,635.75</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	80 lin. ft.	\$ 48.00	\$ 3,840.00
	Far side	51 lin. ft.	\$ 48.00	\$ 2,448.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	8 each	\$ 540.00	\$ 4,320.00
	Far side	1 each	\$ 665.00	\$ 665.00
3	BUILDING SERVICE PLUG:	9 each	\$ 203.00	\$ 1,827.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	133 sq.yd.	\$ 12.50	\$ 1,662.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	20 sq.yd.	\$ 61.00	\$ 1,220.00
6	TRENCH BACKFILL			
	0-8 feet deep	22 lin. ft.	\$ 60.00	\$ 1,320.00
	SUBTOTAL			<u>\$ 17,302.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 287,900.00</u>
	Contingencies (20%)			\$57,600.00
	Engineering (20%)			\$57,600.00
	Legal / Admin (6%)			\$24,200.00
	Easement Acquisition			\$35,200.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 462,500.00</b></u>
	Cost per lot			\$51,390.00

Table 4.11-11

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Blodgett and 62nd**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>62nd Street</u>					
G-3-54 (existing)	762.0	753.64	150	0.40%	8.4
UK-22	761.0	754.24			6.8

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Blodgett and 62nd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	85	lin. ft.	\$	73.00	\$ 6,205.00
	8-12 feet deep	65	lin. ft.	\$	85.00	\$ 5,525.00
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
	8-12 feet deep	0	each	\$	6,200.00	\$ 0.00
3	CONNECTION TO EXISTING MANHOLE					
	8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL					
	8-inch 0-8 feet deep	10	lin. ft.	\$	91.00	\$ 910.00
	8-12 feet deep	0	lin. ft.	\$	110.00	\$ 0.00
5	TREE TUNNELING	0	lin. ft.	\$	187.00	\$ 0.00
6	SEWER TELEVISION FOR FINAL INSPECTION	150	lin. ft.	\$	2.45	\$ 367.50
7	SEWER TESTING FOR FINAL INSPECTION	150	lin. ft.	\$	2.45	\$ 367.50
8	CULVERT REMOVAL AND REPLACEMENT					
	12-inch	0	lin. ft.	\$	79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	217	sq.yd.	\$	13.00	\$ 2,821.00
10	RESTORATION OF STREETS:					
	Bit. Concrete Street	0	sq.yd.	\$	62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	0	sq.yd.	\$	47.00	\$ 0.00
	Aggregate	0	sq.yd.	\$	20.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum		\$ 648.50

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Blodgett and 62nd**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 0.00
14	TRAFFIC CONTROL:		Lump Sum	\$ 648.50
15	SPECIAL RESTORATION:		Lump Sum	\$ 648.50
	SUBTOTAL			<u>\$ 28,841.50</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	15 lin. ft.	\$ 48.00	\$ 720.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	1 each	\$ 540.00	\$ 540.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	1 each	\$ 203.00	\$ 203.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	11 sq.yd.	\$ 12.50	\$ 137.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 1,600.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 30,400.00</u>
	Contingencies (20%)			\$6,100.00
	Engineering (20%)			\$6,100.00
	Legal / Admin (6%)			\$2,600.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 45,200.00</b></u>
	Cost per lot			\$45,200.00

Table 4.11-13

**Downers Grove Sanitary District****Possible Special Assessment for Sanitary Sewers****63rd and Osage****Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>63rd Street</u>					
W-1-105-4 (existing)	758.1	749.50	320	0.40%	8.6
UK-26	759.0	750.78			8.2
UK-25	761.0	751.98	300	0.40%	9.0
UK-24	762.0	753.10	280	0.40%	8.9

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**63rd and Osage**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT)				
	8-inch 0-8 feet deep	400	lin. ft.	\$ 73.00	\$ 29,200.00
	8-12 feet deep	500	lin. ft.	\$ 85.00	\$ 42,500.00
2	SANITARY MANHOLES				
	48-inch 0-8 feet deep	1	each	\$ 4,700.00	\$ 4,700.00
	8-12 feet deep	2	each	\$ 6,200.00	\$ 12,400.00
3	CONNECTION TO EXISTING MANHOLE				
	8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL				
	8-inch 0-8 feet deep	76	lin. ft.	\$ 91.00	\$ 6,916.00
	8-12 feet deep	72	lin. ft.	\$ 110.00	\$ 7,920.00
5	TREE TUNNELING	40	lin. ft.	\$ 187.00	\$ 7,480.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	900	lin. ft.	\$ 2.45	\$ 2,205.00
7	SEWER TESTING FOR FINAL INSPECTION	900	lin. ft.	\$ 2.45	\$ 2,205.00
8	CULVERT REMOVAL AND REPLACEMENT				
	12-inch	56	lin. ft.	\$ 79.00	\$ 4,424.00
9	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and sod	1,300	sq.yd.	\$ 13.00	\$ 16,900.00
10	RESTORATION OF STREETS:				
	Bit. Concrete Street	43	sq.yd.	\$ 62.00	\$ 2,666.00
11	REMOVE AND REPLACE DRIVEWAYS				
	Bituminous	57	sq.yd.	\$ 47.00	\$ 2,679.00
	Aggregate	0	sq.yd.	\$ 20.00	\$ 0.00
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,297.00

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**63rd and Osage**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 4,539.50
	SUBTOTAL			<u>\$ 154,680.00</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	105 lin. ft.	\$ 48.00	\$ 5,040.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	7 each	\$ 540.00	\$ 3,780.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	7 each	\$ 203.00	\$ 1,421.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	78 sq.yd.	\$ 12.50	\$ 975.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	0 sq.yd.	\$ 61.00	\$ 0.00
6	TRENCH BACKFILL			
	0-8 feet deep	0 lin. ft.	\$ 60.00	\$ 0.00
	SUBTOTAL			<u>\$ 11,216.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 165,900.00</u>
	Contingencies (20%)			\$33,200.00
	Engineering (20%)			\$33,200.00
	Legal / Admin (6%)			\$13,900.00
	Easement Acquisition			\$37,600.00
	TOTAL OPINION OF PROBABLE COST			<u>\$ 283,800.00</u>
	Cost per lot			\$40,540.00



Table 4.11-15

**Downers Grove Sanitary District****Possible Special Assessment for Sanitary Sewers****Grand Avenue****Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Grand Avenue</u>					
UK-25	761	751.98	480	0.40%	9.0
UK-23	760.0	753.90			6.1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Grand Avenue**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit	Price	Amount
MAINLINE SEWER						
1	SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep	480	lin. ft.	\$	73.00	\$ 35,040.00
2	SANITARY MANHOLES 48-inch 0-8 feet deep	1	each	\$	4,700.00	\$ 4,700.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1	each	\$	6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 0-8 feet deep	138	lin. ft.	\$	91.00	\$ 12,558.00
	8-12 feet deep	0	lin. ft.	\$	110.00	\$ 0.00
5	TREE TUNNELING	20	lin. ft.	\$	187.00	\$ 3,740.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	480	lin. ft.	\$	2.45	\$ 1,176.00
7	SEWER TESTING FOR FINAL INSPECTION	480	lin. ft.	\$	2.45	\$ 1,176.00
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	40	lin. ft.	\$	79.00	\$ 3,160.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	713	sq.yd.	\$	13.00	\$ 9,269.00
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	62.00	\$ 0.00
11	REMOVE AND REPLACE DRIVEWAYS Bituminous	57	sq.yd.	\$	47.00	\$ 2,679.00
	Aggregate	0	sq.yd.	\$	20.00	\$ 0.00

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Grand Avenue**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 648.50
13	EROSION CONTROL		Lump Sum	\$ 648.50
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,269.75
	SUBTOTAL			<u>\$ 83,064.75</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	60 lin. ft.	\$ 48.00	\$ 2,880.00
	Far side	204 lin. ft.	\$ 48.00	\$ 9,792.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	4 each	\$ 540.00	\$ 2,160.00
	Far side	4 each	\$ 665.00	\$ 2,660.00
3	BUILDING SERVICE PLUG:	8 each	\$ 203.00	\$ 1,624.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	222 sq.yd.	\$ 12.50	\$ 2,775.00
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	78 sq.yd.	\$ 61.00	\$ 4,758.00
	PCC Sidewalk	200 sq.ft.	\$ 13.00	\$ 2,600.00
6	TRENCH BACKFILL			
	0-8 feet deep	100 lin. ft.	\$ 60.00	\$ 6,000.00
	SUBTOTAL			<u>\$ 35,249.00</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 118,300.00</u>
	Contingencies (20%)			\$23,700.00
	Engineering (20%)			\$23,700.00
	Legal / Admin (6%)			\$9,900.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 175,600.00</b></u>
	Cost per lot			\$21,950.00

Table 4.11-17

**Downers Grove Sanitary District**  
**Possible Special Assessments for Sanitary Sewers**  
**63rd Corridor Sub-Area**  
**Cost Summary**

March 2019

Sub-Basin:	Near Services	Far Services	Total Project Cost		Cost per lot
Carpenter and 63rd	8	0	\$	200,100.00	\$ 25,010.00
Norfolk and Carpenter	4	4	\$	156,400.00	\$ 19,550.00
Meadowlawn & Washington	20	8	\$	816,300.00	\$ 29,150.00
63rd and Lyman	7	0	\$	348,800.00	\$ 49,830.00
Fairmount and 63rd	8	1	\$	462,500.00	\$ 51,390.00
Blodgett and 62nd	1	0	\$	45,200.00	\$ 45,200.00
63rd and Osage	7	0	\$	283,800.00	\$ 40,540.00
Grand Avenue	4	4	\$	175,600.00	\$ 21,950.00
TOTALS	59	17	\$	2,488,700.00	\$ 32,750.00

**76**

#### 4.12 Gilbert and Lee

Gilbert and Lee is a small service area located within the District's FPA boundary. Exhibit 4.12 shows the approximate limits of this service area which is located south of Gilbert Street between Cornell Avenue and Lee Avenue. The proposed service area currently includes three lots that are developed as single-family residences. One property is on septic while the other two are currently connected to the sewer on Cornell Avenue with a private sewer. The purpose of this analysis is to establish the most cost-effective sanitary sewer plan for serving the three properties along Gilbert Street with a public sewer.

Several factors were considered when determining the most cost-effective sewer layout. These factors include topography, tree protection, water main and existing utility location. The Village of Downers Grove owns and operates water mains within the subject area limits. The only utilities of that could effect sewer construction are gas mains, overhead electric, and communication.

The final component of this analysis was to evaluate the downstream capacity of the existing sewers. Our analysis determined that the existing trunk sewer capacity on Cornell Avenue will not be affected by the marginal additional flow produced by the three lots on Gilbert Street.

A map of the proposed sewer plan is included in Exhibit 4.12.

The topography falls westerly from Lee Avenue to Cornell Avenue, and thus, the direction of flow will follow the same route. We identified one feasible connection point, the existing manhole north of the intersection of Cornell and Gilbert. This manhole is on the existing 42-inch trunk sewer that flows south on Cornell. The planned sewer will connect to the sewer two feet above the crown of the existing trunk sewer.

We recommend the sewer be installed in the north right-of-way to avoid the existing water main, gas mains, and landscaping located in the south right-of-way. The north parkway does have overhead power line, but adequate room is available for sewer installation. Table 4.12-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.12-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$141,800, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE  
SANITARY DISTRICT  
UNSEWERED AREA PLAN

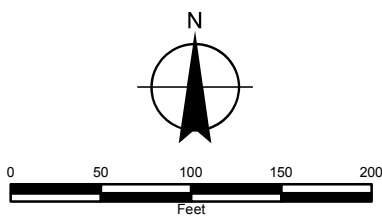
EXHIBIT 4.12

GILBERT AND LEE

POSSIBLE SEWER ALIGNMENT

MARCH 2019

- LEGEND**
- PROPOSED MANHOLES
  - PROPOSED SEWERS
  - EXISTING MANHOLES
  - EXISTING SEWERS
  - PARCEL BOUNDARIES
  - GILBERT AND LEE
  - \* CURRENTLY SERVED BY A PRIVATE SEWER



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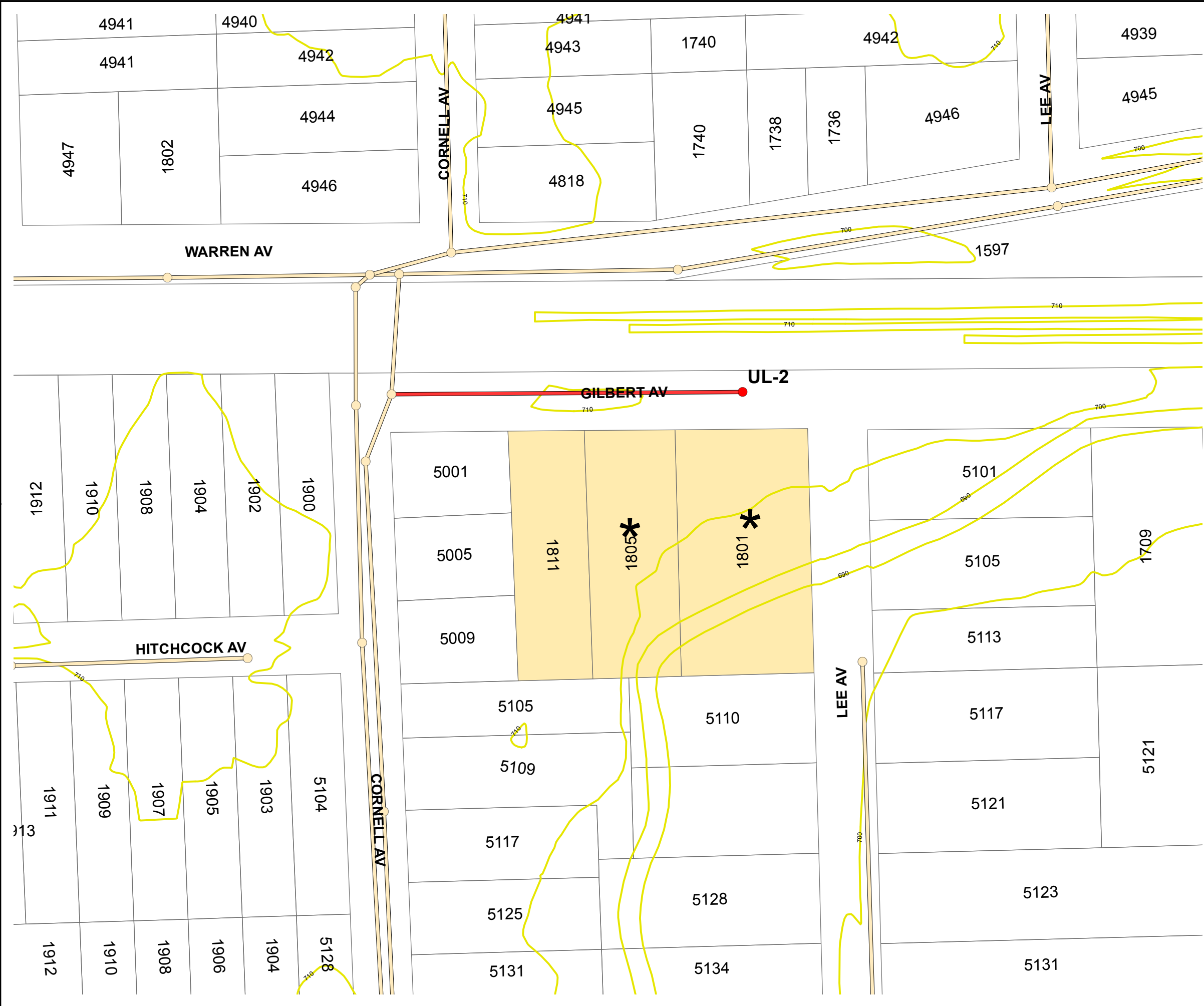


Table 4.12-1

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Gilbert & Lee**  
**Preliminary Design Layout**

<u>Manhole Number</u>	<u>Rim</u>	<u>Invert</u>	<u>Length (ft)</u>	<u>Slope</u>	<u>Manhole Depth</u>
<u>Gilbert Street</u>					
2-A-14-B-S (existing)	706.0	694.42	380	0.80%	11.6
UL-2	707.0	697.46			9.5

Table 4.12-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Gilbert & Lee**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity		Unit Price	Amount
MAINLINE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	380	lin. ft.	\$ 85.00	\$ 32,300.00
2	SANITARY MANHOLES 48-inch 8-12 feet deep	1	each	\$ 6,200.00	\$ 6,200.00
3	CONNECTION TO EXISTING MANHOLE 8-inch	1	each	\$ 6,000.00	\$ 6,000.00
4	TRENCH BACKFILL 8-inch 8-12 feet deep	25	lin. ft.	\$ 110.00	\$ 2,750.00
5	TREE TUNNELING	30	lin. ft.	\$ 187.00	\$ 5,610.00
6	SEWER TELEVISIONING FOR FINAL INSPECTION	380	lin. ft.	\$ 2.45	\$ 931.00
7	SEWER TESTING FOR FINAL INSPECTION	380	lin. ft.	\$ 2.45	\$ 931.00
8	CULVERT REMOVAL AND REPLACEMENT 12-inch	0	lin. ft.	\$ 79.00	\$ 0.00
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	1,056	sq.yd.	\$ 13.00	\$ 13,728.00
10	RESTORATION OF STREETS: Bit. Concrete Street	9	sq.yd.	\$ 62.00	\$ 558.00



Table 4.12-2

**Downers Grove Sanitary District**  
**Possible Special Assessment for Sanitary Sewers**  
**Gilbert & Lee**  
**Engineer's Opinion of Probable Construction Cost**

March 2019

No.	Pay Item	Approximate Quantity	Unit Price	Amount
11	EROSION CONTROL		Lump Sum	\$ 972.75
12	TRAFFIC CONTROL:		Lump Sum	\$ 5,836.50
	SUBTOTAL			<u>\$ 76,672.25</u>
SERVICE LATERALS				
1	BUILDING SERVICE LINES			
	Near side	90 lin. ft.	\$ 48.00	\$ 4,320.00
	Far side	0 lin. ft.	\$ 48.00	\$ 0.00
2	BUILDING SERVICE BRANCH FITTINGS			
	Near Side	3 each	\$ 540.00	\$ 1,620.00
	Far side	0 each	\$ 665.00	\$ 0.00
3	BUILDING SERVICE PLUG:	3 each	\$ 203.00	\$ 609.00
4	RESTORATION OF LAWNS AND PARKWAYS:			
	Topsoil and sod	17 sq.yd.	\$ 12.50	\$ 212.50
5	RESTORATION OF STREETS:			
	Bit. Concrete Street	50 sq.yd.	\$ 61.00	\$ 3,050.00
	PCC Sidewalk	150 sq.ft.	\$ 13.00	\$ 1,950.00
6	TRENCH BACKFILL			
	0-8 feet deep	120 lin. ft.	\$ 60.00	\$ 7,200.00
	SUBTOTAL			<u>\$ 18,961.50</u>
	TOTAL ESTIMATE OF CONSTRUCTION COST			<u>\$ 95,600.00</u>
	Contingencies (20%)			\$19,100.00
	Engineering (20%)			\$19,100.00
	Legal / Admin (6%)			\$8,000.00
	TOTAL OPINION OF PROBABLE COST			<u><b>\$ 141,800.00</b></u>
	Cost per lot			\$47,270.00

	Tables		Page		Construction			Contingency			Engineering			Legal/Admin			Easements			Total	Number of Services		Cost per Service
4.1 73rd and Webster				11																			
73rd and Webster	4.1-1	4.1-2	13-15	\$	571,800.00	\$	114,400.00	\$	114,400.00	\$	48,000.00	\$	39,800.00	\$	888,400.00	25	\$	35,540.00					
4.2 Downers Grove Park				16																			
Katrine-Maple (North)	4.2-1	4.2-2	20-22	\$	542,200.00	\$	108,400.00	\$	108,400.00	\$	45,500.00	\$	34,400.00	\$	838,900.00	25	\$	33,560.00					
Inverness-Lomond-Elinor-Maple (North)	4.2-3	4.2-4	23-26	\$	1,727,600.00	\$	345,500.00	\$	345,500.00	\$	145,100.00	\$	112,100.00	\$	2,675,800.00	72	\$	37,160.00					
Inverness-Belmont (North)	4.2-5	4.2-6	27-29	\$	117,400.00	\$	23,500.00	\$	23,500.00	\$	9,900.00	\$	-	\$	174,300.00	6	\$	29,050.00					
Katrine-College (South)	4.2-7	4.2-8	30-32	\$	403,200.00	\$	80,600.00	\$	80,600.00	\$	33,900.00	\$	-	\$	598,300.00	27	\$	22,160.00					
Lomond-College (South)	4.2-9	4.2-10	33-35	\$	587,200.00	\$	117,400.00	\$	117,400.00	\$	49,300.00	\$	-	\$	871,300.00	29	\$	30,040.00					
Elinor-College (South)	4.2-11	4.2-12	36-38	\$	248,300.00	\$	49,700.00	\$	49,700.00	\$	20,900.00	\$	-	\$	368,600.00	9	\$	40,960.00					
Janes-College (South)	4.2-13	4.2-14	39-41	\$	264,400.00	\$	52,900.00	\$	52,900.00	\$	22,200.00	\$	-	\$	392,400.00	13	\$	30,180.00					
Chase-Hobson-Belmont (South)	4.2-15	4.2-16	42-44	\$	425,200.00	\$	85,000.00	\$	85,000.00	\$	35,700.00	\$	-	\$	630,900.00	15	\$	42,060.00					
4.3 Downers Grove Gardens				46																			
Janes-Leonard-Chase-Puffer (North)	4.3-1	4.3-2	52-54	\$	842,000.00	\$	168,400.00	\$	168,400.00	\$	70,700.00	\$	-	\$	1,249,500.00	68	\$	18,380.00					
Janes-Leonard-Chase-Puffer (South)	4.3-3	4.3-4	55-57	\$	1,587,200.00	\$	317,400.00	\$	317,400.00	\$	133,300.00	\$	-	\$	2,355,300.00	129	\$	18,260.00					
Belmont Road (Southwest)	4.3-5	4.3-6	58-60	\$	366,000.00	\$	73,200.00	\$	73,200.00	\$	30,700.00	\$	64,700.00	\$	607,800.00	25	\$	24,310.00					
Belmont Road (East)	4.3-7	4.3-8	61-63	\$	706,400.00	\$	141,300.00	\$	141,300.00	\$	59,300.00	\$	149,000.00	\$	1,197,300.00	52	\$	23,030.00					
Pershing Avneue (South)	4.3-9	4.3-10	64-66	\$	767,800.00	\$	153,600.00	\$	153,600.00	\$	64,500.00	\$	-	\$	1,139,500.00	64	\$	17,800.00					
Woodward and 63rd Street	4.3-11	4.3-12	67-69	\$	199,700.00	\$	39,900.00	\$	39,900.00	\$	16,800.00	\$	18,100.00	\$	314,400.00	18	\$	17,470.00					
Lee and Boundry (South)	4.3-13	4.3-14	70-72	\$	481,400.00	\$	96,300.00	\$	96,300.00	\$	40,400.00	\$	-	\$	714,400.00	39	\$	18,320.00					
Springside Avenue (South)	4.3-15	4.3-16	73-75	\$	203,100.00	\$	40,600.00	\$	40,600.00	\$	17,100.00	\$	-	\$	301,400.00	14	\$	21,530.00					
Springside-Jefferson-Downers (North)	4.3-17	4.3-18	76-78	\$	954,000.00	\$	190,800.00	\$	190,800.00	\$	80,100.00	\$	-	\$	1,415,700.00	52	\$	27,230.00					
Pershing-Woodward-Maple (North)	4.3-19	4.3-20	79-81	\$	1,804,600.00	\$	360,900.00	\$	360,900.00	\$	151,600.00	\$	42,800.00	\$	2,720,800.00	104	\$	26,160.00					
Sherman Avenue (North)	4.3-21	4.3-22	82-84	\$	814,300.00	\$	162,900.00	\$	162,900.00	\$	68,400.00	\$	-	\$	1,208,500.00	54	\$	22,380.00					
Lee Avenue (North)	4.3-23	4.3-24	85-87	\$	938,200.00	\$	187,600.00	\$	187,600.00	\$	78,800.00	\$	14,600.00	\$	1,406,800.00	54	\$	26,050.00					
4.4 Fairhaven Court				89																			
Fairhaven Court	4.4-1	4.4-2	91	\$	224,200.00	\$	44,800.00	\$	44,800.00	\$	18,800.00	\$	43,700.00	\$	376,300.00	10	\$	37,630.00					
4.5 Burlington Highlands				94																			
Morton and Downers	4.5-1	4.5-2	99-101	\$	888,500.00	\$	177,700.00	\$	177,700.00	\$	74,600.00	\$	16,600.00	\$	1,335,100.00	39	\$	34,230.00					
40th and Seely (North)	4.5-3	4.5-4	102-104	\$	391,100.00	\$	78,200.00	\$	78,200.00	\$	32,900.00	\$	-	\$	580,400.00	21	\$	27,640.00					
40th and Northcott	4.5-5	4.5-6	105-107	\$	273,800.00	\$	54,800.00	\$	54,800.00	\$	23,000.00	\$	-	\$	406,400.00	14	\$	29,030.00					
Virginia-Seely-Janet-Downers	4.5-7	4.5-8	108-110	\$	740,300.00	\$	148,100.00	\$	148,100.00	\$	62,200.00	\$	-	\$	1,098,700.00	43	\$	25,550.00					
Belle Aire and Venard	4.5-9	4.5-10	111-113	\$	583,200.00	\$	116,600.00	\$	116,600.00	\$	49,000.00	\$	24,700.00	\$	890,100.00	21	\$	42,390.00					
Vernard Road (North)	4.5-11	4.5-12	114-116	\$	241,700.00	\$	48,300.00	\$	48,300.00	\$	20,300.00	\$	-	\$	358,600.00	10	\$	35,860.00					
Vernard Road (South) (completed)	4.5-13	4.5-14	117-119	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	0	\$	-					
Virginia Avenue (West)	4.5-15	4.5-16	120-122	\$	97,200.00	\$	19,400.00	\$	19,400.00	\$	8,200.00	\$	-	\$	144,200.00	6	\$	24,030.00					
Lacey-Carol-Northcott	4.5-17	4.5-18	123-125	\$	44,300.00	\$	8,900.00	\$	8,900.00	\$	3,700.00	\$	-	\$	65,800.00	1	\$	65,800.00					
Lacey and Janet	4.5-19	4.5-20	126-128	\$	198,200.00	\$	39,600.00	\$	39,600.00	\$	16,600.00	\$	-	\$	294,000.00	14	\$	21,000.00					
Ogden-Lacey-Grant-Lee (South)	4.5-21	4.5-22	129-131	\$	870,400.00	\$	174,100.00	\$	174,100.00	\$	73,100.00	\$	97,800.00	\$	1,389,500.00	27	\$	51,460.00					

Table 4.13-1  
Downers Grove Sanitary District  
Unsewered Area Plan  
Summary of Estimated Costs for Unsewered Areas

March 2019

	<u>Tables</u>		<u>Page</u>	<u>Construction</u>		<u>Contingency</u>		<u>Engineering</u>		<u>Legal/Admin</u>		<u>Easements</u>		<u>Total</u>	<u>Number of Services</u>	<u>Cost per Service</u>	
<b>4.6 Golf Addition</b>			<b>133</b>														
Drendel and Ogden (completed)	4.6-1	4.6-2	137-139	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0	\$ -	
Cross and Ogden (South) (completed)	4.6-3	4.6-4	140-142	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0	\$ -	
Cross and Ogden (North)	4.6-5	4.6-6	143-145	\$	229,700.00	\$	45,900.00	\$	45,900.00	\$	19,300.00	\$	30,400.00	\$	371,200.00	2	N/A
Drendel and Granville (South)	4.6-7	4.6-8	146-148	\$	530,600.00	\$	106,100.00	\$	106,100.00	\$	44,600.00	\$	18,600.00	\$	806,000.00	28	\$ 28,790.00
Burlington and Walnut (South)	4.6-9	4.6-10	149-151	\$	133,400.00	\$	26,700.00	\$	26,700.00	\$	11,200.00	\$	-	\$	198,000.00	2	N/A
Puffer North of Prairie	4.6-11	4.6-12	152-154	\$	407,800.00	\$	81,600.00	\$	81,600.00	\$	34,300.00	\$	10,400.00	\$	615,700.00	16	\$ 38,480.00
<b>4.7 Florence Avenue</b>			<b>156</b>														
Florence Avenue	4.7-1	4.7-2	158-160	\$	159,600.00	\$	31,900.00	\$	31,900.00	\$	13,400.00	\$	-	\$	236,800.00	11	\$ 21,530.00
<b>4.8 Meyers Road and 31st Street</b>			<b>161</b>														
Meyers Road (North)	4.8-1	4.8-2	164-166	\$	144,200.00	\$	28,800.00	\$	28,800.00	\$	-	\$	34,900.00	\$	236,700.00	3	N/A
Meyers Road (South)	4.8-3	4.8-4	167-170	\$	177,200.00	\$	35,400.00	\$	35,400.00	\$	-	\$	35,200.00	\$	283,200.00	4	N/A
<b>4.9 57th and Grant</b>			<b>171</b>														
57th and Grant (completed)	4.9-1	4.9-2	173-175	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	0	\$ -
<b>4.10 60th and Cumnor</b>			<b>176</b>														
59th (West)	4.10-1	4.10-2	180-182	\$	235,300.00	\$	47,100.00	\$	47,100.00	\$	19,800.00	\$	-	\$	349,300.00	15	\$ 23,290.00
59th (East)	4.10-3	4.10-4	183-185	\$	205,300.00	\$	41,100.00	\$	41,100.00	\$	17,300.00	\$	-	\$	304,800.00	4	\$ 76,200.00
60th (West)	4.10-5	4.10-6	186-188	\$	143,500.00	\$	28,700.00	\$	28,700.00	\$	12,100.00	\$	-	\$	213,000.00	11	\$ 19,360.00
60th and Cumnor	4.10-7	4.10-8	189-191	\$	97,300.00	\$	19,500.00	\$	19,500.00	\$	8,200.00	\$	-	\$	144,500.00	7	\$ 20,640.00
60th (East)	4.10-9	4.10-10	192-194	\$	52,500.00	\$	10,500.00	\$	10,500.00	\$	4,400.00	\$	-	\$	77,900.00	3	\$ 25,970.00
Cumnor (South)	4.10-11	4.10-12	195-197	\$	72,800.00	\$	14,600.00	\$	14,600.00	\$	6,100.00	\$	-	\$	108,100.00	2	\$ 54,050.00
61st and Cumnor	4.10-13	4.10-14	198-200	\$	253,100.00	\$	50,600.00	\$	50,600.00	\$	21,300.00	\$	-	\$	375,600.00	12	\$ 31,300.00
61st (East)	4.10-15	4.10-16	201-203	\$	55,900.00	\$	11,200.00	\$	11,200.00	\$	4,700.00	\$	-	\$	83,000.00	3	\$ 27,670.00
<b>4.11 63rd Corridor</b>			<b>205</b>														
Carpenter and 63rd	4.11-1	4.11-2	209-211	\$	134,800.00	\$	27,000.00	\$	27,000.00	\$	11,300.00	\$	-	\$	200,100.00	8	\$ 25,010.00
Norfolk and Carpenter	4.11-3	4.11-4	212-214	\$	105,300.00	\$	21,100.00	\$	21,100.00	\$	8,900.00	\$	-	\$	156,400.00	8	\$ 19,550.00
Meadowlawnand Washington	4.11-5	4.11-6	215-217	\$	533,400.00	\$	106,700.00	\$	106,700.00	\$	44,800.00	\$	24,700.00	\$	816,300.00	28	\$ 29,150.00
63rd and Lyman	4.11-7	4.11-8	218-220	\$	210,500.00	\$	42,100.00	\$	42,100.00	\$	17,700.00	\$	36,400.00	\$	348,800.00	7	\$ 49,830.00
Fairmount and 63rd	4.11-9	4.11-10	221-223	\$	287,900.00	\$	57,600.00	\$	57,600.00	\$	24,200.00	\$	35,200.00	\$	462,500.00	9	\$ 51,390.00
Blodgett and 62nd	4.11-11	4.11-12	224-226	\$	30,400.00	\$	6,100.00	\$	6,100.00	\$	2,600.00	\$	-	\$	45,200.00	1	\$ 45,200.00
63rd and Osage	4.11-13	4.11-14	227-229	\$	165,900.00	\$	33,200.00	\$	33,200.00	\$	13,900.00	\$	37,600.00	\$	283,800.00	7	\$ 40,540.00
Grand Avenue	4.11-15	4.11-16	230-232	\$	118,300.00	\$	23,700.00	\$	23,700.00	\$	9,900.00	\$	-	\$	175,600.00	8	\$ 21,950.00
<b>4.12 Gilbert and Lee</b>			<b>234</b>														
Gilbert and Lee	4.12-1	4.12-2	236-238	\$	95,600.00	\$	19,100.00	\$	19,100.00	\$	8,000.00	\$	-	\$	141,800.00	3	\$ 47,270.00
<b>Totals</b>				\$	<b>23,685,200.00</b>	\$	<b>4,737,100.00</b>	\$	<b>4,737,100.00</b>	\$	<b>1,962,600.00</b>	\$	<b>921,700.00</b>	\$	<b>36,043,700.00</b>	<b>1,302</b>	\$ <b>27,683.33</b>

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Special Assessment No. 54 Rebate

The purpose of this memo is to recommend that the District declare a rebate from Special Assessment No. 54. This Special Assessment covered 47 parcels in Downers Grove Gardens and was originally assessed in 2007 and revised in 2008. All assessments have now been paid in full. There is an excess of funds in the amount of \$11,534.73. State statutes provide for the declaration of a rebate under 65 ILCS 5/9-2-138 (attached). The District is allowed to keep 5 percent of the excess for the costs and expenses of declaring and making the rebate. The District share will be \$576.74 ( $\$11,534.73 \times .05$ ) and the balance of \$10,957.99 will be rebated. The necessary Resolution No. 19-02 is attached for the Board of Trustee's consideration. If you concur, this item should be placed on the agenda for the April meeting.

Attachments

Excerpt from Illinois Municipal Code regarding Special Assessment Rebates

(65 ILCS 5/9-2-138) (from Ch. 24, par. 9-2-138)

Sec. 9-2-138. If, after final settlement with the contractor for any improvement and after full payment of all vouchers or bonds except those bonds and interest coupons not presented for payment, although called and for which funds are available and reserved, within the period of time specified in Section 9-1-5, issued on account of that improvement, there is any surplus remaining in the special assessment or special tax above the specified payments and above the amount necessary for the payment of interest on those vouchers or bonds, such surplus shall be applied to reimbursing the public benefit fund for any amounts paid from such fund on account of the improvement. If, after the public benefit fund has been reimbursed, a surplus still remains, the proper authorities of the municipality shall declare at once a rebate upon each lot, block, tract, or parcel of land assessed, of its pro rata proportion of that surplus. **Such rebate shall be paid to the owner of record of each such lot, block, tract, or parcel at the time of the declaration of the rebate.** Should any additional funds be collected after the original rebate is declared, the municipality shall not be required to declare a supplemental rebate for 5 years from the date the original rebate is declared. The municipality may deduct for its cost and expenses for declaring and making any rebate not more than 5% of the amount declared to be rebated. The board of local improvements shall keep and exhibit publicly in its office, an index of all warrants upon which rebates are due and payable and upon proper proof, the warrants shall be repaid to the persons entitled thereto.

However, whenever any municipality having a population of 500,000 or more has appropriated or set aside a fund sufficient in amount to meet all estimated deficiencies in interest, cost of making, levying, and collecting a special assessment or special tax, and of letting and executing contracts, advertising, clerical hire, engineering and inspection, court costs and fees of commissioners in condemnation proceedings incurred in such a proceeding and has provided, in the ordinance providing for the assessment, that a certain sum not to exceed 5% of the amount of the assessment or special tax shall be applied toward the payment of the specified and other costs of making and collecting the assessment, the money collected in the fund created by this 5% so added as hereinbefore authorized shall be used to pay all deficiency in interest in the warrant, and the balance shall be used to reimburse the corporate funds for advances made from the corporate funds on account of costs of the special assessment or special tax or other expenses of the improvement for which the special assessment or special tax was levied.

(Source: Laws 1965, p. 2969.)

RESOLUTION NO. 19-02

WHEREAS, Special Assessment Number 54 has been assessed against certain property within the DOWNERS GROVE SANITARY DISTRICT; and,

WHEREAS, Order of Confirmation and Certificate of Cost and Completion has been previously entered by the County Court of DuPage County; and,

WHEREAS, after the payment of all vouchers, bonds and other expenses there has been determined to be an excess of funds; and,

WHEREAS, the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT deem it to be in the public interest to rebate certain of these funds to the property owners affected by the aforesaid Special Assessment.

NOW, THEREFORE, BE IT RESOLVED that as of the effective date of this Resolution and the date of adoption, there shall be a rebate of Special Assessment Number 54 in the amount of \$10,957.99, as detailed on Attachment 1, attached to and made a part of this document.

The Treasurer of the DOWNERS GROVE SANITARY DISTRICT be and is hereby authorized and directed to determine the identity of the record owners of the aforesaid parcels as of the date of the adoption and declaration of this rebate along with the address of said party. Upon such determination, the Treasurer shall notify each property owner that a rebate has been declared and that these parties should be furnished with a Claim Form, which is to be submitted to the DOWNERS GROVE SANITARY DISTRICT prior to disbursement.

Upon the determination by the Treasurer of the DOWNERS GROVE SANITARY DISTRICT that the Claim Forms have been submitted by the proper parties, a rebate shall issue therefor in accordance with the regular practices and procedures of the DOWNERS GROVE SANITARY DISTRICT with relation to the passage and adoption of appropriate Claim Ordinances.

The sum of \$576.74 be and is hereby transferred from Special Assessment Fund No. 54 to the General Corporate Fund of the DOWNERS GROVE SANITARY DISTRICT as and for reimbursement of the costs and expenses of declaring and making this rebate. The Treasurer be and is hereby authorized to take action as is necessary to effect this transfer.

RESOLVED this 15<sup>th</sup> day of April, 2019, by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT.

DOWNERS GROVE SANITARY DISTRICT

BY: \_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

PIN	LOT	BLOCK	REVISED ASSESSMENT		REBATE
			ASSESSMENT	AFTER REBATE	
09-18-300-019	20	24	\$12,806.83	12,576.34	230.49
09-18-300-018	21	24	\$12,806.83	12,576.34	230.49
09-18-300-017	22	24	\$12,806.83	12,576.34	230.49
09-18-300-016	23	24	\$12,806.83	12,576.34	230.49
08-13-409-034	16	24	\$12,806.83	12,576.34	230.49
08-13-409-035	17	24	\$12,806.83	12,576.34	230.49
08-13-409-036	18	24	\$12,806.83	12,576.34	230.49
08-13-409-037	19	24	\$12,806.83	12,576.34	230.49
08-13-419-018	1	24	\$11,272.42	11,069.55	202.87
08-13-419-019	2	24	\$11,272.42	11,069.55	202.87
08-13-419-020	3	24	\$12,806.83	12,576.34	230.49
08-13-419-021	4	24	\$12,806.83	12,576.34	230.49
08-13-419-022	5	24	\$12,806.83	12,576.34	230.49
08-13-419-023	6	24	\$12,806.83	12,576.34	230.49
08-13-419-024	7	24	\$12,806.83	12,576.34	230.49
08-13-419-025	8	24	\$12,806.83	12,576.34	230.49
08-13-419-026	9	24	\$12,806.83	12,576.34	230.49
08-13-419-027	10	24	\$12,806.83	12,576.34	230.49
08-13-419-028	11	24	\$12,806.83	12,576.34	230.49
08-13-419-029	12	24	\$12,806.83	12,576.34	230.49
08-13-419-030	13	24	\$12,806.83	12,576.34	230.49
08-13-419-031	14	24	\$12,806.83	12,576.34	230.49
08-13-419-048	15	24	\$12,806.83	12,576.34	230.49
08-13-419-051	16	24	\$12,806.83	12,576.34	230.49
08-13-419-053	Lot 17 and the East 100 feet of Lot 28	24	\$12,806.83	12,576.34	230.49
08-13-419-054	Lot 18 (with exception)	24	\$12,873.96	12,642.27	231.69
09-18-304-047 and 09-18-304-018	Lot 10 (Except for the south 17 feet) and Lots 16 and 17 (except west 300 feet)	25	\$15,760.57	15,476.99	283.58
09-18-304-046	Lot 11 (Except for the south 17 feet)	25	\$12,231.42	12,011.29	220.13
09-18-304-045	Lot 12 (Except for the south 17 feet)	25	\$12,231.42	12,011.29	220.13
09-18-304-020	Lot 13 and the East half of Lot 14 (except for south 17 feet)	25	\$15,396.15	15,119.06	277.09
09-18-304-048	Lot 15 and the West half of Lot 14	25	\$15,108.45	14,836.54	271.91
09-18-304-017	The West 300 feet of Lot 16	25	\$12,806.83	12,576.34	230.49
09-18-304-017	The West 300 feet of Lot 17	25	\$12,806.83	12,576.34	230.49
09-18-304-016	Lot 18	25	\$12,806.83	12,576.34	230.49
09-18-304-015	Lot 19	25	\$12,806.83	12,576.34	230.49
09-18-304-014	Lot 20	25	\$12,806.83	12,576.34	230.49
09-18-304-011	The West 290 feet of Lot 21	25	\$12,806.83	12,576.34	230.49
09-18-304-010	The West 290 feet of Lot 22	25	\$12,806.83	12,576.34	230.49
09-18-304-009	Lot 23	25	\$12,806.83	12,576.34	230.49
09-18-304-008	Lot 24	25	\$12,806.83	12,576.34	230.49
09-18-304-007	Lot 25	25	\$12,806.83	12,576.34	230.49
09-18-304-006	Lot 26	25	\$12,806.83	12,576.34	230.49
09-18-304-005	Lot 27	25	\$12,806.83	12,576.34	230.49
09-18-304-004	Lot 28	25	\$12,806.83	12,576.34	230.49
09-18-304-003	Lot 29	25	\$12,806.83	12,576.34	230.49
09-18-304-002	Lot 30	25	\$12,806.83	12,576.34	230.49
09-18-304-001	Lots 31 and 32	25	\$16,067.41	15,778.31	289.10
			608,873.76	597,915.77	10,957.99
			CHECK	10,957.99	

AMOUNT  
PAID

DATE  
PAID

Owners  
Adam Yakush and Samantha Hancock  
Thomas G. McCann, II and Amy J. McCann  
John T. Glas and Mary K. Glas  
Mark Wohld and Susan Wohld  
Andrew Harris and Susan Harris  
John E. Havrilla and Barbara R. Havrilla  
Christian D. Petersen and Heidi C. Petersen  
John W. Hayse and Susan C. Hayse  
Walter R. Young and Jean Young  
Marlein Gomez  
Christopher Cosimo  
Jeanne A. Sahs  
Efrain Flores  
Slawomir M. Soja and Monika M. Soja  
Jason M. Spock and Jennifer P. Spock  
George T. Ricker, Jr. and Marcelline M. Ricker  
Donald E. Brown and Karen Sue Brown  
Katarzyna Marek  
Marisela Castaneda  
Michael J. Makutenas  
Anthony J. Passanante and Patricia A. Passanante  
William J. Smith, Jr. and Virginia M. Smith  
George T. Novak and Arlene F. Novak  
Shirley J. Klaus

AddressNo  
6029 Woodward Avenue  
6025 Woodward Avenue  
6023 Woodward Avenue  
6019 Woodward Avenue  
6020 Woodward Avenue  
6024 Woodward Avenue  
6028 Woodward Avenue  
6030 Woodward Avenue  
6100 Woodward Avenue  
6102 Woodward Avenue  
6104 Woodward Avenue  
6106 Woodward Avenue  
6110 Woodward Avenue  
6112 Woodward Avenue  
6116 Woodward Avenue  
6120 Woodward Avenue  
6124 Woodward Avenue  
6200 Woodward Avenue  
6208 Woodward Avenue  
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Jill M. Krueger and Christine M. Vallrugo

6298 Woodward Avenue  
Downers Grove  
IL  
60516

Manekial S. Patel

None - Vacant Parcel  
Woodward Avenue  
Downers Grove  
IL  
60516

Nicholas Newell and Jessica Newell

1948 63rd Street  
Downers Grove  
IL  
60516

Frank V. Malauskas and Violet H. Malauskas

None - Vacant Parcel  
63rd Street  
Downers Grove  
IL  
60516

Richard E. Flor and Rosemary N. Flor

1952 63rd Street  
Downers Grove  
IL  
60516

Kent Eimermann and Mary French

1956 63rd Street  
Downers Grove  
IL  
60516

Michael Anthony Aguilar and Stephanie Aguilar

6299 Woodward Avenue  
Downers Grove  
IL  
60516

Carl N. J. Schumacher

6295 Woodward Avenue  
Downers Grove  
IL  
60516

Carl N. J. Schumacher

6295 Woodward Avenue  
Downers Grove  
IL  
60516

John Fecarotta and Natalie A. Fecarotta

6293 Woodward Avenue  
Downers Grove  
IL  
60516

Barry O. Dixon and Jennifer A. Dixon

6291 Woodward Avenue  
Downers Grove  
IL  
60516

G. Geoffrey Wood and Sabrina L. Wood

6215 Woodward Avenue  
Downers Grove  
IL  
60516

Gary E. Mitas

6213 Woodward Avenue  
Downers Grove  
IL  
60516

David J. Lupo

6211 Woodward Avenue  
Downers Grove  
IL  
60516

Tango Properties, LLC, 3428 W. 48th Place, Chicago, IL 60632

6207 Woodward Avenue  
Downers Grove  
IL  
60516

Zheng Yu and Yueming Tang

6203 Woodward Avenue  
Downers Grove  
IL  
60516

Andrew R. Curin and Anne W. Curin

6165 Woodward Avenue  
Downers Grove  
IL  
60516

Kristin L. Gannaway and Bruce A. Gannaway

6163 Woodward Avenue  
Downers Grove  
IL  
60516

Gerald J. Koshak

6111 Woodward Avenue  
Downers Grove  
IL  
60517

Gerald J. Koshak

6111 Woodward Avenue  
Downers Grove  
IL  
60518

Lyndon T. Greenwood and Diane C. Greenwood

6107 Woodward Avenue  
Downers Grove  
IL  
60519

Edward F. Bednar and Patricia M. Bednar

6105 Woodward Avenue  
Downers Grove  
IL  
60520

Charlotte A. Evans

6101 Woodward Avenue  
Downers Grove  
IL  
60521

10,957.99 BALANCE OF REBATES DUE

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Special Assessment No. 55 Rebate

The purpose of this memo is to recommend that the District declare a rebate from Special Assessment No. 55. This Special Assessment covered 32 parcels in Burlington Highlands and was originally assessed in 2007 and revised in 2008. All assessments have now been paid in full. There is an excess of funds in the amount of \$20,257.86. State statutes provide for the declaration of a rebate under 65 ILCS 5/9-2-138 (attached). The District is allowed to keep 5 percent of the excess for the costs and expenses of declaring and making the rebate. The District share will be \$1,012.89 ( $\$20,257.86 \times .05$ ) and the balance of \$19,244.97 will be rebated. The necessary Resolution No. 19-03 is attached for the Board of Trustee's consideration. If you concur, this item should be placed on the agenda for the April meeting.

Attachments



Excerpt from Illinois Municipal Code regarding Special Assessment Rebates

(65 ILCS 5/9-2-138) (from Ch. 24, par. 9-2-138)

Sec. 9-2-138. If, after final settlement with the contractor for any improvement and after full payment of all vouchers or bonds except those bonds and interest coupons not presented for payment, although called and for which funds are available and reserved, within the period of time specified in Section 9-1-5, issued on account of that improvement, there is any surplus remaining in the special assessment or special tax above the specified payments and above the amount necessary for the payment of interest on those vouchers or bonds, such surplus shall be applied to reimbursing the public benefit fund for any amounts paid from such fund on account of the improvement. If, after the public benefit fund has been reimbursed, a surplus still remains, the proper authorities of the municipality shall declare at once a rebate upon each lot, block, tract, or parcel of land assessed, of its pro rata proportion of that surplus. **Such rebate shall be paid to the owner of record of each such lot, block, tract, or parcel at the time of the declaration of the rebate.** Should any additional funds be collected after the original rebate is declared, the municipality shall not be required to declare a supplemental rebate for 5 years from the date the original rebate is declared. The municipality may deduct for its cost and expenses for declaring and making any rebate not more than 5% of the amount declared to be rebated. The board of local improvements shall keep and exhibit publicly in its office, an index of all warrants upon which rebates are due and payable and upon proper proof, the warrants shall be repaid to the persons entitled thereto.

However, whenever any municipality having a population of 500,000 or more has appropriated or set aside a fund sufficient in amount to meet all estimated deficiencies in interest, cost of making, levying, and collecting a special assessment or special tax, and of letting and executing contracts, advertising, clerical hire, engineering and inspection, court costs and fees of commissioners in condemnation proceedings incurred in such a proceeding and has provided, in the ordinance providing for the assessment, that a certain sum not to exceed 5% of the amount of the assessment or special tax shall be applied toward the payment of the specified and other costs of making and collecting the assessment, the money collected in the fund created by this 5% so added as hereinbefore authorized shall be used to pay all deficiency in interest in the warrant, and the balance shall be used to reimburse the corporate funds for advances made from the corporate funds on account of costs of the special assessment or special tax or other expenses of the improvement for which the special assessment or special tax was levied.

(Source: Laws 1965, p. 2969.)

RESOLUTION NO. 19-03

WHEREAS, Special Assessment Number 55 has been assessed against certain property within the DOWNERS GROVE SANITARY DISTRICT; and,

WHEREAS, Order of Confirmation and Certificate of Cost and Completion has been previously entered by the County Court of DuPage County; and,

WHEREAS, after the payment of all vouchers, bonds and other expenses there has been determined to be an excess of funds; and,

WHEREAS, the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT deem it to be in the public interest to rebate certain of these funds to the property owners affected by the aforesaid Special Assessment.

NOW, THEREFORE, BE IT RESOLVED that as of the effective date of this Resolution and the date of adoption, there shall be a rebate of Special Assessment Number 55 in the amount of \$19,244.97, as detailed on Attachment 1, attached to and made a part of this document.

The Treasurer of the DOWNERS GROVE SANITARY DISTRICT be and is hereby authorized and directed to determine the identity of the record owners of the aforesaid parcels as of the date of the adoption and declaration of this rebate along with the address of said party. Upon such determination, the Treasurer shall notify each property owner that a rebate has been declared and that these parties should be furnished with a Claim Form, which is to be submitted to the DOWNERS GROVE SANITARY DISTRICT prior to disbursement.

Upon the determination by the Treasurer of the DOWNERS GROVE SANITARY DISTRICT that the Claim Forms have been submitted by the proper parties, a rebate shall issue therefor in accordance with the regular practices and procedures of the DOWNERS GROVE SANITARY DISTRICT with relation to the passage and adoption of appropriate Claim Ordinances.

The sum of \$1,012.89 be and is hereby transferred from Special Assessment Fund No. 55 to the General Corporate Fund of the DOWNERS GROVE SANITARY DISTRICT as and for reimbursement of the costs and expenses of declaring and making this rebate. The Treasurer be and is hereby authorized to take action as is necessary to effect this transfer.

RESOLVED this 15<sup>th</sup> day of April, 2019, by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT.

DOWNERS GROVE SANITARY DISTRICT

BY: \_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

SPECIAL ASSESSMENT NO. 55 REBATE  
BURLINGTON HIGHLANDS

ATTACHMENT 1  
APRIL 12, 2019

PIN	LOT	BLOCK	REVISED ASSESSMENT		
			ASSESSMENT	AFTER REBATE	REBATE
09-06-112-005	Lot 103		\$18,743.19	18,097.53	645.66
09-06-110-010	Lot 102		\$18,743.19	18,097.54	645.65
09-06-112-004	Lot 104		\$17,832.85	17,218.57	614.28
09-06-110-009	Lot 101		\$17,832.85	17,218.57	614.28
09-06-112-003	Lot 105		\$17,832.85	17,218.57	614.28
09-06-110-008	Lot 100		\$17,832.85	17,218.57	614.28
09-06-112-002	Lot 106		\$17,832.85	17,218.57	614.28
09-06-110-007	Lot 99		\$17,832.85	17,218.57	614.28
09-06-110-006	Lot 98		\$18,743.18	18,097.53	645.65
09-06-111-004	Lot 109		\$16,922.51	16,339.59	582.92
09-06-109-009	Lot 96		\$16,922.51	16,339.59	582.92
09-06-111-003	Lot 110		\$16,922.51	16,339.59	582.92
09-06-109-008	Lot 95		\$16,922.51	16,339.59	582.92
09-06-111-002	Lot 111		\$16,922.51	16,339.59	582.92
09-06-109-007	Lot 94		\$16,922.51	16,339.59	582.92
09-06-109-010	Lot 97		\$16,922.51	16,339.59	582.92
09-06-112-001	Lot 107		\$16,922.51	16,339.59	582.92
09-06-111-005	Lot 108		\$16,922.51	16,339.59	582.92
09-06-113-007	Lot 127		\$17,377.68	16,779.08	598.60
09-06-113-008	Lot 128		\$17,377.68	16,779.08	598.60
09-06-113-009	Lot 129		\$17,377.68	16,779.08	598.60
09-06-113-010	Lot 130		\$17,377.68	16,779.08	598.60
09-06-113-011	Lot 131		\$17,377.68	16,779.08	598.60
09-06-107-005	Lot 75		\$17,031.75	16,445.06	586.69
09-06-107-006	Lot 76		\$17,031.75	16,445.06	586.69
09-06-107-007	Lot 77		\$17,031.75	16,445.06	586.69
09-06-108-005	Lot 78		\$18,743.18	18,097.53	645.65
09-06-109-002	Lot 91		\$16,922.51	16,339.59	582.92
09-06-109-003	Lot 90		\$16,922.51	16,339.59	582.92
09-06-109-004	Lot 89		\$16,922.51	16,339.59	582.92
09-06-109-005	Lot 88		\$16,922.51	16,339.59	582.92
09-06-110-001	Lot 87		\$18,743.18	18,097.53	645.65
			\$558,689.30	539,444.33	19,244.97
			CHECK	19,244.97	

AMOUNT  
PAID

DATE  
PAID

Owners

AddressNo

Street

City

State

Zip

Michael W. Krueger & Sheila M. Krueger  
Nicholas Paul Birch and Dana Ellen Birch  
Dorothy Jenkins  
Emil P. Buczkowski & Susan A. Buczkowski

1623 Carol Street  
1624 Carol Street  
1631 Carol Street  
1632 Carol Street

Downers Grove  
Downers Grove  
Downers Grove  
Downers Grove

IL  
IL  
IL  
IL

60515  
60515  
60515  
60515

JoAnn M. Gardner, Jacqueline M. Joyce, Unknown heirs and  
legatees of George E. Joyce, Unknown heirs and legatees of  
Margaret Wheat-Joyce...

1639 Carol Street

Downers Grove

IL

60515

Sarah Joyner

1640 Carol Street

Downers Grove

IL

60515

Paul J. Daemicke & Laura L. Daemicke

1647 Carol Street

Downers Grove

IL

60515

Patrick Brennan and Kristen M. Brennan

1648 Carol Street

Downers Grove

IL

60515

Jack W. Dare & Laura K. Dare

1656 Carol Street

Downers Grove

IL

60515

Kyu So & Terence Suh

1725 Carol Street

Downers Grove

IL

60515

Emily Hepler

1726 Carol Street

Downers Grove

IL

60515

Ellen Briggs (as Trustee of the Ellen Briggs Trust)

1733 Carol Street

Downers Grove

IL

60515

Steven P. Goes & Jennifer L. Goes

1734 Carol Street

Downers Grove

IL

60515

The Richarda M. Castelvechi Trust

1741 Carol Street

Downers Grove

IL

60515

Hamed K. Ibrahim & Anita M. Ibrahim

1742 Carol Street

Downers Grove

IL

60515

John L. Wimmer & Jacqueline J. Wimmer

4144 Lee Avenue

Downers Grove

IL

60515

Leslie C. Hall, Jr. & Joan M. Hall

4201 Lee Avenue

Downers Grove

IL

60515

Mary E. Farley

4202 Lee Avenue

Downers Grove

IL

60515

Gina M. Grimaldi

4139 Northcott Avenue

Downers Grove

IL

60515

Wesley J. Bielat & Mirosława A. Bielat

4147 Northcott Avenue

Downers Grove

IL

60515

The Lucy Mendez Revocable Trust

4155 Northcott Avenue

Downers Grove

IL

60515

Jeanne F. Mendell, divorced

4203 Northcott Avenue

Downers Grove

IL

60515

Janice A. Gadbois, who aquired title as Janice A. Espiritu

4211 Northcott Avenue

Downers Grove

IL

60515

Tracy E. Rickerd & Michele M. Rickerd

1732 Virginia Street

Downers Grove

IL

60515

Robert M. Clauser, Jr. and Michaelene M. Clauser

1728 Virginia Street

Downers Grove

IL

60515

The Sherrill Chillo Living Trust

1700 Virginia Street

Downers Grove

IL

60515

Renee E. Nichols

1654 Virginia Street

Downers Grove

IL

60515

Gregory Wall & Susan Wall

1743 Virginia Street

Downers Grove

IL

60515

Krzysztof Matyja and Aleksandra Matyja

1741 Virginia Street

Downers Grove

IL

60515

Barney Fitzpatrick and Kathie Fitzpatrick

1727 Virginia Street

Downers Grove

IL

60515

The Sheila E. Pollock-Bowlin Living Trust

4130 Lee Avenue

Downers Grove

IL

60515

Paul Spora and Catherine M. Spora

1653 Virginia Street

Downers Grove

IL

60515

19,244.97 BALANCE OF REBATES DUE

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Special Assessment No. 56 Rebate

The purpose of this memo is to recommend that the District declare a rebate from Special Assessment No. 56. This Special Assessment covered 16 parcels in Downers Grove Estates and was originally assessed in 2007 and revised in 2009. All assessments have now been paid in full. There is an excess of funds in the amount of \$21,022.81. State statutes provide for the declaration of a rebate under 65 ILCS 5/9-2-138 (attached). The District is allowed to keep 5 percent of the excess for the costs and expenses of declaring and making the rebate. The District share will be \$1,051.14 ( $\$21,022.81 \times .05$ ) and the balance of \$19,971.67 will be rebated. The necessary Resolution No. 19-04 is attached for the Board of Trustee's consideration. If you concur, this item should be placed on the agenda for the April meeting.

Attachments

Excerpt from Illinois Municipal Code regarding Special Assessment Rebates

(65 ILCS 5/9-2-138) (from Ch. 24, par. 9-2-138)

Sec. 9-2-138. If, after final settlement with the contractor for any improvement and after full payment of all vouchers or bonds except those bonds and interest coupons not presented for payment, although called and for which funds are available and reserved, within the period of time specified in Section 9-1-5, issued on account of that improvement, there is any surplus remaining in the special assessment or special tax above the specified payments and above the amount necessary for the payment of interest on those vouchers or bonds, such surplus shall be applied to reimbursing the public benefit fund for any amounts paid from such fund on account of the improvement. If, after the public benefit fund has been reimbursed, a surplus still remains, the proper authorities of the municipality shall declare at once a rebate upon each lot, block, tract, or parcel of land assessed, of its pro rata proportion of that surplus. **Such rebate shall be paid to the owner of record of each such lot, block, tract, or parcel at the time of the declaration of the rebate.** Should any additional funds be collected after the original rebate is declared, the municipality shall not be required to declare a supplemental rebate for 5 years from the date the original rebate is declared. The municipality may deduct for its cost and expenses for declaring and making any rebate not more than 5% of the amount declared to be rebated. The board of local improvements shall keep and exhibit publicly in its office, an index of all warrants upon which rebates are due and payable and upon proper proof, the warrants shall be repaid to the persons entitled thereto.

However, whenever any municipality having a population of 500,000 or more has appropriated or set aside a fund sufficient in amount to meet all estimated deficiencies in interest, cost of making, levying, and collecting a special assessment or special tax, and of letting and executing contracts, advertising, clerical hire, engineering and inspection, court costs and fees of commissioners in condemnation proceedings incurred in such a proceeding and has provided, in the ordinance providing for the assessment, that a certain sum not to exceed 5% of the amount of the assessment or special tax shall be applied toward the payment of the specified and other costs of making and collecting the assessment, the money collected in the fund created by this 5% so added as hereinbefore authorized shall be used to pay all deficiency in interest in the warrant, and the balance shall be used to reimburse the corporate funds for advances made from the corporate funds on account of costs of the special assessment or special tax or other expenses of the improvement for which the special assessment or special tax was levied.

(Source: Laws 1965, p. 2969.)

RESOLUTION NO. 19-04

WHEREAS, Special Assessment Number 56 has been assessed against certain property within the DOWNERS GROVE SANITARY DISTRICT; and,

WHEREAS, Order of Confirmation and Certificate of Cost and Completion has been previously entered by the County Court of DuPage County; and,

WHEREAS, after the payment of all vouchers, bonds and other expenses there has been determined to be an excess of funds; and,

WHEREAS, the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT deem it to be in the public interest to rebate certain of these funds to the property owners affected by the aforesaid Special Assessment.

NOW, THEREFORE, BE IT RESOLVED that as of the effective date of this Resolution and the date of adoption, there shall be a rebate of Special Assessment Number 56 in the amount of \$19,971.67, as detailed on Attachment 1, attached to and made a part of this document.

The Treasurer of the DOWNERS GROVE SANITARY DISTRICT be and is hereby authorized and directed to determine the identity of the record owners of the aforesaid parcels as of the date of the adoption and declaration of this rebate along with the address of said party. Upon such determination, the Treasurer shall notify each property owner that a rebate has been declared and that these parties should be furnished with a Claim Form, which is to be submitted to the DOWNERS GROVE SANITARY DISTRICT prior to disbursement.

Upon the determination by the Treasurer of the DOWNERS GROVE SANITARY DISTRICT that the Claim Forms have been submitted by the proper parties, a rebate shall issue therefor in accordance with the regular practices and procedures of the DOWNERS GROVE SANITARY DISTRICT with relation to the passage and adoption of appropriate Claim Ordinances.

The sum of \$1,051.14 be and is hereby transferred from Special Assessment Fund No. 56 to the General Corporate Fund of the DOWNERS GROVE SANITARY DISTRICT as and for reimbursement of the costs and expenses of declaring and making this rebate. The Treasurer be and is hereby authorized to take action as is necessary to effect this transfer.

RESOLVED this 15<sup>th</sup> day of April, 2019, by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT.

DOWNERS GROVE SANITARY DISTRICT

BY: \_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

SPECIAL ASSESSMENT NO. 56 REBATE  
DOWNERS GROVE GARDENS & REHM'S SUBDIVISION

ATTACHMENT 1  
APRIL 12, 2019

PIN	LOT	BLOCK	ASSESSMENT	REVISED ASSESSMENT AFTER REBATE	REBATE
09-18-106-002 & 09-18-106-003	Lot 4	4	\$17,374.15	15,941.89	1,432.26
09-18-106-021	Lot 3	4	\$17,374.15	15,941.89	1,432.26
09-18-106-023	Lot 2 and the West 6 feet of Lot 1	4	\$17,374.15	15,941.89	1,432.26
09-18-106-024	Lot 1 (except for the West 6 feet)	4	19,703.65	18,079.32	1,624.33
09-18-106-012	Lot 17	4	\$14,074.04	12,913.83	1,160.21
09-18-106-013	Lot 16	4	\$14,074.04	12,913.83	1,160.21
09-18-106-014	Lot 15	4	\$13,976.97	12,824.76	1,152.21
09-18-106-015	Lot 14	4	\$13,976.97	12,824.76	1,152.21
09-18-106-016	Lot 13	4	\$13,976.97	12,824.76	1,152.21
09-18-107-011	Lot 1	5	\$16,597.66	15,229.41	1,368.25
09-18-107-012	Lot 2	5	\$13,976.97	12,824.76	1,152.21
09-18-107-013	Lot 3	5	\$13,976.97	12,824.76	1,152.21
09-18-107-001	Lot 5	5	\$14,656.41	13,448.19	1,208.22
09-18-107-008	Lot 6	5	\$13,879.91	12,735.70	1,144.21
09-18-107-009	Lot 7	5	\$13,879.91	12,735.70	1,144.21
09-18-107-010	Lot 8	5	\$13,394.60	12,290.40	1,104.20
			242,267.52	222,295.85	19,971.67
			CHECK	19,971.67	

AMOUNT  
PAID

DATE  
PAID

Owners

AddressNo

Street

City

State

Zip

Michael J. Quail, Jr. and Courtney Blakemore  
Edward J. Boula, Sr.

1819 Maple Avenue  
Vacant Parcel Maple Avenue

Downers Grove IL 60516  
Downers Grove IL 60516

Margaret L. Boula

1805 Maple Avenue

Downers Grove IL 60516

Edward J. Boula, Jr.

Vacant Parcel Maple Avenue

Downers Grove IL 60516

James H. Tomera and Lenore Tomera

5612 Lee Avenue

Downers Grove IL 60516

Robert Smetana and Jessica Leonard

5616 Lee Avenue

Downers Grove IL 60516

Robert P. Kriegseis, Peter Kriegseis and Mary Kriegseis

5620 Lee Avenue

Downers Grove IL 60516

Gary D. Renz and Antoinette M. Renz

5628 Lee Avenue

Downers Grove IL 60516

Daniel J. O'Donnell and Terrie O'Donnell

5630 Lee Avenue

Downers Grove IL 60516

David A. Wilderman and Deborah A. Wilderman

5623 Lee Avenue

Downers Grove IL 60516

Paul J. McGivern and Katherine McGivern

5625 Lee Avenue

Downers Grove IL 60516

Kenneth Kuehn, Beneficiary of said Trust - Downers Grove National  
Bank, as Trustee U/T/A dated June 30, 2003 and known as Trust  
No. 03-055

5629 Lee Avenue

Downers Grove IL 60516

Steven Cook and Nancy Cook

5601 Lee Avenue

Downers Grove IL 60516

Daniel Henry

5609 Lee Avenue

Downers Grove IL 60516

Daniel Henry

Vacant Parcel Lee Avenue

Downers Grove IL 60516

Eileen Keeler

5621 Lee Avenue

Downers Grove IL 60516

19,971.67 BALANCE OF REBATES DUE

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Special Assessment No. 57 Rebate

The purpose of this memo is to recommend that the District declare a rebate from Special Assessment No. 57. This Special Assessment covered 18 parcels in Downers Grove Estates and was originally assessed in 2008 and revised in 2010. All assessments have now been paid in full. There is an excess of funds in the amount of \$4,978.88. State statutes provide for the declaration of a rebate under 65 ILCS 5/9-2-138 (attached). The District is allowed to keep 5 percent of the excess for the costs and expenses of declaring and making the rebate. The District share will be \$248.94 ( $\$4,978.88 \times .05$ ) and the balance of \$4,729.94 will be rebated. The necessary Resolution No. 19-05 is attached for the Board of Trustee's consideration. If you concur, this item should be placed on the agenda for the April meeting.

Attachments



Excerpt from Illinois Municipal Code regarding Special Assessment Rebates

(65 ILCS 5/9-2-138) (from Ch. 24, par. 9-2-138)

Sec. 9-2-138. If, after final settlement with the contractor for any improvement and after full payment of all vouchers or bonds except those bonds and interest coupons not presented for payment, although called and for which funds are available and reserved, within the period of time specified in Section 9-1-5, issued on account of that improvement, there is any surplus remaining in the special assessment or special tax above the specified payments and above the amount necessary for the payment of interest on those vouchers or bonds, such surplus shall be applied to reimbursing the public benefit fund for any amounts paid from such fund on account of the improvement. If, after the public benefit fund has been reimbursed, a surplus still remains, the proper authorities of the municipality shall declare at once a rebate upon each lot, block, tract, or parcel of land assessed, of its pro rata proportion of that surplus. **Such rebate shall be paid to the owner of record of each such lot, block, tract, or parcel at the time of the declaration of the rebate.** Should any additional funds be collected after the original rebate is declared, the municipality shall not be required to declare a supplemental rebate for 5 years from the date the original rebate is declared. The municipality may deduct for its cost and expenses for declaring and making any rebate not more than 5% of the amount declared to be rebated. The board of local improvements shall keep and exhibit publicly in its office, an index of all warrants upon which rebates are due and payable and upon proper proof, the warrants shall be repaid to the persons entitled thereto.

However, whenever any municipality having a population of 500,000 or more has appropriated or set aside a fund sufficient in amount to meet all estimated deficiencies in interest, cost of making, levying, and collecting a special assessment or special tax, and of letting and executing contracts, advertising, clerical hire, engineering and inspection, court costs and fees of commissioners in condemnation proceedings incurred in such a proceeding and has provided, in the ordinance providing for the assessment, that a certain sum not to exceed 5% of the amount of the assessment or special tax shall be applied toward the payment of the specified and other costs of making and collecting the assessment, the money collected in the fund created by this 5% so added as hereinbefore authorized shall be used to pay all deficiency in interest in the warrant, and the balance shall be used to reimburse the corporate funds for advances made from the corporate funds on account of costs of the special assessment or special tax or other expenses of the improvement for which the special assessment or special tax was levied.

(Source: Laws 1965, p. 2969.)

RESOLUTION NO. 19-05

WHEREAS, Special Assessment Number 57 has been assessed against certain property within the DOWNERS GROVE SANITARY DISTRICT; and,

WHEREAS, Order of Confirmation and Certificate of Cost and Completion has been previously entered by the County Court of DuPage County; and,

WHEREAS, after the payment of all vouchers, bonds and other expenses there has been determined to be an excess of funds; and,

WHEREAS, the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT deem it to be in the public interest to rebate certain of these funds to the property owners affected by the aforesaid Special Assessment.

NOW, THEREFORE, BE IT RESOLVED that as of the effective date of this Resolution and the date of adoption, there shall be a rebate of Special Assessment Number 57 in the amount of \$4,729.94, as detailed on Attachment 1, attached to and made a part of this document.

The Treasurer of the DOWNERS GROVE SANITARY DISTRICT be and is hereby authorized and directed to determine the identity of the record owners of the aforesaid parcels as of the date of the adoption and declaration of this rebate along with the address of said party. Upon such determination, the Treasurer shall notify each property owner that a rebate has been declared and that these parties should be furnished with a Claim Form, which is to be submitted to the DOWNERS GROVE SANITARY DISTRICT prior to disbursement.

Upon the determination by the Treasurer of the DOWNERS GROVE SANITARY DISTRICT that the Claim Forms have been submitted by the proper parties, a rebate shall issue therefor in accordance with the regular practices and procedures of the DOWNERS GROVE SANITARY DISTRICT with relation to the passage and adoption of appropriate Claim Ordinances.

The sum of \$248.94 be and is hereby transferred from Special Assessment Fund No. 57 to the General Corporate Fund of the DOWNERS GROVE SANITARY DISTRICT as and for reimbursement of the costs and expenses of declaring and making this rebate. The Treasurer be and is hereby authorized to take action as is necessary to effect this transfer.

RESOLVED this 15<sup>th</sup> day of April, 2019, by the Board of Trustees of the DOWNERS GROVE SANITARY DISTRICT.

DOWNERS GROVE SANITARY DISTRICT

BY: \_\_\_\_\_  
President

ATTEST: \_\_\_\_\_  
Clerk

REVISED ASSESSMENT							AMOUNT PAID	DATE PAID	Owners	AddressNo	Street	City	State	Zip
PIN	LOT	BLOCK	ASSESSMENT	AFTER REBATE	REBATE									
08-13-208-010	The East Half of Lot 1	2	\$18,476.22	18,246.39	229.83	4,729.94	BALANCE OF REBATES DUE	Arthur Puszyński	2001	Maple Avenue	Downers Grove	IL	60516	
08-13-208-025	Lot 18	2	\$21,329.82	21,064.50	265.32			Robert E. Hanley and Sandra C. Hanley	5610	Woodward Avenue	Downers Grove	IL	60516	
08-13-208-024	Lot 19	2	\$21,327.56	21,062.26	265.30			Mary Ellen Canty	5608	Woodward Avenue	Downers Grove	IL	60516	
08-13-208-023	Lot 20	2	\$21,325.18	21,059.91	265.27			Andreanna R. Moravec	5606	Woodward Avenue	Downers Grove	IL	60516	
08-13-208-022	Lot 21	2	\$21,322.92	21,057.68	265.24			Andrea Pipitone Beirne, Trustee...Jacqueline A. Pipitone, Beneficiary	5604	Woodward Avenue	Downers Grove	IL	60516	
08-13-208-021	Lot 22	2	\$21,320.47	21,055.26	265.21			Zachary Quinn and Jenna Reisch	5602	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-003	Lot 4	3	\$21,352.79	21,087.18	265.61			Jacob McDaniel and Janet M. Miller	1905	Maple Avenue	Downers Grove	IL	60516	
09-18-105-002	Lot 5	3	\$20,641.21	20,384.45	256.76			Javier Godinez and Amalia Godinez	1909	Maple Avenue	Downers Grove	IL	60516	
09-18-105-001	Lot 6	3	\$19,878.05	19,630.79	247.26			Ronald W. Eschbach and Shirley M. Eschbach	5601	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-006	Lot 7	3	\$21,432.01	21,165.42	266.59			Henry A. Gentile and Michelle L. Gentile	5603	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-007	Lot 8	3	\$21,432.04	21,165.45	266.59			Mike Porcelli and Maria Porcelli	Vacant Parcel	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-008	Lot 9	3	\$21,431.97	21,165.38	266.59			Christopher L. McDaniels and Cynthia N. McDaniels	5607	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-009	Lot 10	3	\$21,431.98	21,165.39	266.59			Kenneth J. Wehrman and Shari M. Wehrman	5609	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-010	Lot 11	3	\$21,432.00	21,165.41	266.59			John F. Mc Hugh and Robin S. Mc Hugh	5611	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-011	Lot 12	3	\$21,429.71	21,163.14	266.57			Gregory W. Cossmann and Marianne Cossmann	5613	Woodward Avenue	Downers Grove	IL	60516	
09-18-105-012	Lot 13	3	\$22,115.28	21,840.19	275.09			Cynthia E. Wallace	5699	Woodward Avenue	Downers Grove	IL	60516	
09-18-110-002	Lot 18	7	\$21,430.69	21,164.11	266.58	James A. Sparling and Carolyn R. Sparling, as Co-Trustees of The James A. Sparling Trust dated August 30, 1994	Vacant Parcel	Woodward Avenue	Downers Grove	IL	60516			
09-18-110-001	Lot 19	7	\$21,138.69	20,875.74	262.95	Wayne Wisniewski and Mary J. Wisniewski	5701	Woodward Avenue	Downers Grove	IL	60516			
			380,248.59	375,518.65	4,729.94									
			CHECK	4,729.94										

**Board of Trustees**  
Wallace D. Van Buren  
*President*

Amy E. Sejnost  
*Vice President*

Paul W. Coultrap  
*Clerk*



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**General Manager**  
Nicholas J. Menninga

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

## Memo

To: Board of Trustees  
From: Nick Menninga, General Manager  
Date: April 12, 2019  
Subject: Compensation of General Manager for FY2019-20

Wally communicated to me the suggested General Manager's salary developed by the Board of Trustees in executive session at the March meeting. We have posted the suggested salary for six days according to the rules established under IMRF, since the salary being considered is above \$150,000.

I have included an item on the April 15 meeting agenda to allow the Board of Trustees to approve the General Manager's annual salary at \$177,935 for FY 2019-20, effective May 1, 2019. This represents a 3.5% increase over my current salary of \$171,918, which was last increased effective May 1, 2018.

C: BOLI, MGP, WCC

This attachment has been removed for its contents are currently confidential.

# DOWNERS GROVE SANITARY DISTRICT

## MEMO

TO: Nicholas J. Menninga  
General Manager

FROM: W. Clay Campbell  
Administrative Supervisor

DATE: April 12, 2019

RE: Progress Report – March, 2019

### ADMINISTRATIVE

#### Personnel

Laura Hois, a Part-Time Secretary for the District, resigned and her last day with the District was April 2. At this time, we do not anticipate filling her position. The District has filled its Part-Time Accounting Assistant position that was being advertised. Sue Testin started with the District on April 3.

#### Reimbursement Program for Sanitary Sewer Backups Caused by Public Sanitary Sewer Blockages

There have been no new backups resulting from a mainline blockage since the last update, and as a result, I have not included a new summary.

#### DuPage County Reporting

Nick, Alyssa and I continue to update the DuPage County Board Chairman's office in compliance with the requirements of the County's reporting ordinance. Most recently, we provided the Chairman with a copy of the District's Appropriation Ordinance for Fiscal Year 2019-20, approved Five-Year Plan for Fiscal Years 2019-20 to 2023-24 and the adopted Ordinance ORD No. 19-01 revising the District's rates and fees.

#### Open Meetings Act Compliance

In accordance with Section 7.3 of the Open Meetings Act, staff posted information on the District's website related to the total compensation package for all employees following approval of the District budget for the next fiscal year – this posting was made on March 22 (within six days of March 20). As well, staff also posted information on the District's website related to the total compensation package for the General Manager of the District as it is equal to or exceeding \$150,000 a year. This information was posted on April 2 – well in advance of the required minimum of at least six days before approval as the scheduled approval date is on April 15 at the regular Board meeting.

#### Safety Committee

The Safety Committee did not meet in March and is trying to schedule meet in late April.

## OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2018 has been completed and will be posted from February 1 to April 30.

## Group Medical Insurance Renewal

There is a separate memo in the Board Packet regarding this item.

## Office Reconfiguration

We are awaiting design proposals from a couple vendors to build out two workstations in the Admin Center. It is anticipated that this project will need to be completed before mid-May in anticipation of staffing changes.

## Government Technology Magazine Award

I have been recognized by Government Technology magazine as one of its “Top 25 Doers, Dreamers & Drivers” for 2019. The list will be published in the April issue of the magazine.

## Technology Update

Since Jessie Gwozdz’s start on October 19, she has digitized 2,987 of approximately 4,200 BSSRAP files – this will put the District on a completion course to fully digitize our BSSRAP records along with quality control checking by summer of 2019. Once complete, the District will maintain all of its BSSRAP files going forward in a digital format eliminating the need for sizable storage of paper files and providing consistent file access to multiple departments. In addition to these files being backed up locally, it is anticipated the District would additionally archive these files on our Box.com cloud storage server for redundancy.

We are working on several different projects for the next several months with Concentric Integration:

- Deployment of the Mobile-911 alarming software that will allow text notification and digital app-based interaction with the District’s existing alarming configuration for SCADA operations (will coordinate with tablet and smartphone points of contact) – We have commenced deploying this with Marc Majewski and Jeff Barta piloting the new interface this month
- Final resolution of the alarming node replacements (final hardware migration of Dialogix dialer cards) – this is still planned for spring 2019 completion
- Planning session with Curtis Martin Group scheduled for April 29 to identify and prioritize various feature implementation projects coming up in the next fiscal year for the District’s accounting system

The following is a detailed summary of the Invoice Cloud portal's utilization in the last month and since the portal's launch in February 2015 through the end of last month:

# of Customers registered in the last month:	69
# of Customers paying their bills online in the last month:	1264
Amount of Money processed through the Portal in the last month:	\$72,299.97
# of Customers signing up for Autopay through the Portal in the last month:	25
# of Customers enrolled in paperless billing in the last month:	43
# of customers registered for pay by text in the last month:	38
Cost to District for providing Invoice Cloud service in the last month:	\$301.50
Cost to District's customers (convenience fees) in the last month:	\$2,238.00
Estimated Monthly savings from customers enrolled in paperless billing:	\$53.31
# of Customers registered from launch through last month:	3,881
# of Customers signing up for Autopay through the Portal from launch through last month:	1017
# of Customers enrolled in paperless billing from launch through last month:	1,777
# of customers registered for pay by text from launch through last month:	1,069

## FINANCIAL

### Annual Audit

Preliminary audit work will begin with Lauterbach & Amen, LLP in early May and the regular fieldwork is scheduled for late May.

### Appropriation Ordinance for FY19-20 and Ordinance No. ORD 19-01

The Appropriation Ordinance for FY19-20 was published in the paper on March 21 and filed with the DuPage County Clerk on March 22. Ordinance No. ORD 19-01 (changes in rates and fees) was published in the paper on March 21 as well. Per state statute, changes in the rates and fees took effect on Sunday, March 31.

### Treasurer's Report and Investment Activity

The monthly Treasurer's Report is included separately in the packet each month and detailed investment information (financial institution name, current rate and dollar amount) is provided on the District's Investment Schedule also provided separately in the packet each month.

### User Billing

Detailed billing information is attached to this report.



## CODE ENFORCEMENT & UNSEWERED AREAS

### Building Sanitary Service Repair Assistance Program; Infiltration and Inflow Removal Program; and Overhead Sewers and Backflow Prevention Devices Reimbursement Program

I have continued to perform the legal review of both Program Agreements and Access Agreements for all of the above programs as prepared by our office prior to execution by the parties.

### Sewer Permitting Process

I have continued to perform the legal review of Access Agreements and Annexation Petitions prepared by our office as needed by sewer permit applicants.

cc: WDVb, AES, PWC, KJR, RTJ, MJS, MGP

## USER BILLING SUMMARY

### User Charge System

Billings for March 2019 were as follows:

User	\$224,467.50
Surcharge	19,080.89
Monthly fees	315,527.97
Total	<u>\$559,076.36</u>
Summer Usage Adjustment	\$0.00
Billable Flow	136,040,909
Budgeted Billable Flow	128,982,676
% Actual/Budgeted Billable Flow	105.47%
YTD Billable Flow	1,837,003,327
YTD Budgeted Billable Flow	1,856,723,066
% Actual/Budgeted Billable Flow	98.94%

The user accounts receivable balance on 3/31/2019 is \$487,388.29 and consists of:

Current charges due 4/15/19	\$385,619.30
Past due charges and penalty	101,768.99
Total	<u>\$487,388.29</u>

The past due charges represent:

<u>Age</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$39,333.80	\$4,889.80	\$44,223.60
60 days past due	11,211.83	1,613.13	12,824.96
90 days & greater past due	39,815.02	4,905.41	44,720.43
	<u></u>	<u></u>	<u></u>
Totals	\$90,360.65	\$11,408.34	\$101,768.99

Summary of  
Past Due Charges  
(90 Days and Over)

Five Year Comparison

**March**

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2019	\$39,815.02	\$4,905.41	\$44,720.43 ***
2018	50,163.93	6,372.97	56,536.90 **
2017	33,746.64	4,699.23	38,445.87 *
2016	53,321.90	8,779.33	62,101.23 *
2015	46,505.15	6,499.11	53,004.26 *

\*\*\*Includes \$4,485.84 (1 plug at \$276.00 and one dig up at \$4169.84) in sewer disconnection costs on 2 accounts.

\*\*Includes \$16,720.74 in sewer disconnection costs on 5 accounts

\*Includes \$12,295.03 in sewer disconnection costs on 4 accounts.

**Twelve Months Ending March 2019**

<u>Month</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
3/31/19	\$39,815.02	\$4,905.41	\$44,720.43
2/28/19	43,310.88	5,149.61	48,460.49
1/31/19	40,850.54	4,813.96	45,664.50
12/31/18	37,925.83	4,581.75	42,507.58
11/30/18	42,682.50	4,931.46	47,613.96
10/31/18	33,575.34	3,594.72	37,170.06
9/30/18	46,466.55	6,378.34	52,844.89
8/31/18	43,522.44	6,201.77	49,724.21
7/31/18	42,514.28	5,727.42	48,241.70
6/30/18	41,261.64	5,562.91	46,824.55
5/31/18	48,401.71	6,633.70	55,035.41
4/30/18	47,731.52	6,146.82	53,878.34

Seventeen (17) of twenty-two (22) delinquent accounts that were scheduled for pre-enforcement conferences on March 15, 2019 have paid in full. One account from 2012 and another from 2014 are the only two remaining sewer disconnections.

To: Nick Menninga, General Manager  
From: Marc Majewski, Operations Supervisor  
Re: Month of March, 2019 WWTC Operations Report.  
Date: April 9, 2019

Attached please find detailed operating data and our monthly report to Illinois EPA for March. We had no excursions over our permit limits in March.

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 12.27 MGD. Total precipitation at the WWTC was 2.56". There was 1 day of excess flow during the month of March. There were 14 days of discharge over 11 MGD.
- Activated sludge: Sludge settleability is currently marginal due to seasonal conditions and longer sludge ages needed for nitrification while operating with enhanced biological phosphorus removal.
- Anaerobic Digesters: Pumped a total of 1,079,526 gallons of primary sludge, 682,890 gallons of WAS, and 277,410 gallons of waste grease for a total of 2,039,826 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 61.1% for March.
- Digester gas: Total digester gas production was 8,534,907 cubic feet. 15,533 cubic feet of gas was used for anaerobic digestion heat, and 6,937,084 cubic feet was used in the CHP facilities. 808,976 cubic feet of flared gas was recorded during the month. Natural gas was used for hot water and building heat. The Munters dehumidifier used 773,294 cubic feet of gas.
- Bio-solids: Drying and deliveries have begun for the 2019 bio solid season. There were a total of 20 cubic yards distributed in the month of March.
- Miscellaneous Items: Bio solids mechanics Joe Magiera and Sam Tatulli, as well as mechanic Nick Whitefleet all attended a free 2 day hands on training at the Vogelsang facility on March 7-8<sup>th</sup> in Ravenna, Ohio. DGSD currently utilizes two Vogelsang Xripper shredders on our primary pumping systems, and two Vogelsang Rotacut macerators on our grease pumping systems.
- Electricity: Overall net energy from ComEd was: -80,140 KW-Hrs. Electricity Generated by the CHP system was 455,544 KW-Hrs. Monthly net energy (including natural gas usage) was -47 MW-Hrs for the month of March.

C: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP

# Monthly Operations Report Page 1

	WWTC Rainfall	B01 Parshall Flume Flow Max Mgd	B01 Parshall Flume Flow Min Mgd	B01 Parshall Flume Flow Avg Mgd	A01 Parshall Flume Flow Max Mgd	A01 Parshall Flume Flow Avg Mgd	C01 Int Clar #1 Flow Max Mgd	C01 Int Clar #1 Flow Avg Mgd	Outfall 003 Flow Max Mgd	Outfall 003 Flow Avg Mgd	Total Flow Max Mgd	Total Flow Avg Mgd	002 Outfall Flow Avg Mgd
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
3/1/2019	0.00	15.00	7.23	10.46	0.00	0.00	0.00	0.00	0.00	0.00	15.00	10.46	0.00
3/2/2019	0.00	14.99	7.00	9.97	0.00	0.00	0.00	0.00	0.00	0.00	14.99	9.97	0.00
3/3/2019	0.00	14.15	6.19	9.75	0.00	0.00	0.00	0.00	0.00	0.00	14.15	9.75	0.00
3/4/2019	0.00	15.54	6.21	9.45	0.00	0.00	0.00	0.00	0.00	0.00	15.54	9.45	0.00
3/5/2019	0.00	12.39	6.25	9.28	0.00	0.00	0.00	0.00	0.00	0.00	12.39	9.28	0.00
3/6/2019	0.00	12.20	5.66	9.04	0.00	0.00	0.00	0.00	0.00	0.00	12.20	9.04	0.00
3/7/2019	0.00	12.11	5.43	8.77	0.00	0.00	0.00	0.00	0.00	0.00	12.11	8.77	0.00
3/8/2019	0.00	11.77	5.43	8.77	0.00	0.00	0.00	0.00	0.00	0.00	11.77	8.77	0.00
3/9/2019	0.68	23.94	5.31	8.59	0.00	0.00	0.00	0.00	0.00	0.00	23.94	8.59	0.00
3/10/2019	0.00	16.42	12.48	14.21	0.00	0.00	0.00	0.00	0.00	0.00	16.42	14.21	0.00
3/11/2019	0.00	16.53	7.85	11.45	0.00	0.00	0.00	0.00	0.00	0.00	16.53	11.45	0.00
3/12/2019	0.00	15.08	7.59	10.82	0.00	0.00	0.00	0.00	0.00	0.00	15.08	10.82	0.00
3/13/2019	0.51	22.10	7.69	16.49	0.00	0.00	0.00	0.00	0.00	0.00	22.10	16.49	0.00
3/14/2019	0.39	25.48	20.08	21.99	20.57	4.08	0.00	0.00	0.00	0.00	46.04	26.08	4.67
3/15/2019	0.02	24.10	20.30	21.63	4.96	0.27	0.00	0.00	0.00	0.00	29.07	21.90	0.16
3/16/2019	0.00	21.36	14.76	17.19	0.00	0.00	0.00	0.00	0.00	0.00	21.36	17.19	0.00
3/17/2019	0.00	21.69	12.05	16.22	0.00	0.00	0.00	0.00	0.00	0.00	21.69	16.22	0.00
3/18/2019	0.00	16.61	9.79	13.35	0.00	0.00	0.00	0.00	0.00	0.00	16.61	13.35	0.00
3/19/2019	0.00	19.25	9.28	12.28	0.00	0.00	0.00	0.00	0.00	0.00	19.25	12.28	0.00
3/20/2019	0.11	15.79	8.60	12.72	0.00	0.00	0.00	0.00	0.00	0.00	15.79	12.72	0.00
3/21/2019	0.01	15.64	8.89	12.25	0.00	0.00	0.00	0.00	0.00	0.00	15.64	12.25	0.00
3/22/2019	0.00	15.25	8.34	11.48	0.00	0.00	0.00	0.00	0.00	0.00	15.25	11.48	0.00
3/23/2019	0.00	14.69	7.28	10.66	0.00	0.00	0.00	0.00	0.00	0.00	14.69	10.66	0.00
3/24/2019	0.10	15.24	7.27	10.54	0.00	0.00	0.00	0.00	0.00	0.00	15.24	10.54	0.00
3/25/2019	0.00	14.81	7.73	10.48	0.00	0.00	0.00	0.00	0.00	0.00	14.81	10.48	0.00
3/26/2019	0.00	14.99	6.86	9.72	0.00	0.00	0.00	0.00	0.00	0.00	14.99	9.72	0.00
3/27/2019	0.09	15.01	6.71	9.59	0.00	0.00	0.00	0.00	0.00	0.00	15.01	9.59	0.00
3/28/2019	0.02	15.42	7.27	9.85	0.00	0.00	0.00	0.00	0.00	0.00	15.42	9.85	0.00
3/29/2019	0.40	15.13	6.78	9.80	0.00	0.00	0.00	0.00	0.00	0.00	15.13	9.80	0.00
3/30/2019	0.23	23.03	14.08	19.33	0.00	0.00	0.00	0.00	0.00	0.00	23.03	19.33	0.00
3/31/2019	0.00	18.24	11.67	14.33	0.00	0.00	0.00	0.00	0.00	0.00	18.24	14.33	0.00
Minimum	0.00	11.77	5.31	8.59	0.00	0.00	0.00	0.00	0.00	0.00	11.77	8.59	0.00
Maximum	0.68	25.48	20.30	21.99	20.57	4.08	0.00	0.00	0.00	0.00	46.04	26.08	4.67
Total	2.56	523.96	278.04	380.46	25.53	4.36	0.00	0.00	0.00	0.00	549.49	384.82	4.83
Average	0.08	16.90	8.97	12.27	0.82	0.14	0.00	0.00	0.00	0.00	17.73	12.41	0.16

## Monthly Operations Report Page 2

	Tertiary Flow MGD	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
3/1/2019	10.46	2,840	108,953	10.69	87	71	54	248		6,323	
3/2/2019	9.97		108,953	11.44							
3/3/2019	9.75		108,953	11.47							
3/4/2019	9.45	2,687	101,426	10.48	76	59	38	217		6,427	10.2
3/5/2019	9.28	2,708	100,084	12.63	76	59	42	218	4,433		10.1
3/6/2019	9.04	2,835	106,263	17.64	85	70	50	248		5,782	
3/7/2019	8.77	2,805	102,862	16.48	79	64	46	226	4,035		8.9
3/8/2019	8.77	2,673	99,242	18.52	81	64	48	240		4,962	
3/9/2019	8.59		99,242	18.98							
3/10/2019	14.21		99,242	19.50							
3/11/2019	11.45	2,810	106,693	20.53	85	71	53	253		5,233	10.0
3/12/2019	10.82	2,674	100,768	19.53	88	73	56	271	4,345		9.7
3/13/2019	16.49	2,465	94,112	13.64	82	64	44	259		7,588	8.9
3/14/2019	21.99	1,696	70,036	10.49	30	24	20	142	3,368		
3/15/2019	21.63	1,501	75,791	13.58						6,906	
3/16/2019	17.19		75,791	13.92							
3/17/2019	16.22		75,791	13.56							
3/18/2019	13.35	2,920	104,653	16.04	91	74	58	253		7,639	9.8
3/19/2019	12.28	3,171	123,675	17.59	91	77	61	242	5,904		10.0
3/20/2019	12.72	3,210	132,567	23.11	91	79	59	246		6,018	
3/21/2019	12.25	3,063	121,301	20.05	93	82	66	269	5,862		9.5
3/22/2019	11.48	3,159	124,736	21.40	92	81	63	255		5,776	
3/23/2019	10.66		124,736	21.44							
3/24/2019	10.54		124,736	21.19							
3/25/2019	10.48	3,322	131,222	21.56	93	84	68	252		5,819	10.0
3/26/2019	9.72	3,101	124,670	19.51	96	90	68	291	5,528		9.8
3/27/2019	9.59	3,342	132,775	17.19	94	86	72	258		6,852	10.0
3/28/2019	9.85	3,208	130,304	15.79	93	82	66	256	6,363		
3/29/2019	9.80	3,303	134,606	18.70	92	81	62	246		5,834	
3/30/2019	19.33		134,606	18.20							
3/31/2019	14.33		134,606	18.09							
Minimum	8.59	1,501	70,036.06	10.48	30.00	24.00	19.50	141.56	3,368	4,962	8.9
Maximum	21.99	3,342	134,605.91	23.11	96.25	89.50	71.75	291.03	6,363	7,639	10.2
Total	380.46	59,490	3,413,394.71	522.95	1,694.75	1,432.50	1,092.00	4,889.42	39,838	81,159	116.9
Average	12.27	2,833	110,109.52	16.87	84.75	71.75	54.70	244.50	4,980	6,243	9.7

## Monthly Operations Report Page 3

	Tertiary Flow MGD	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	Deg F	Deg F	Deg F
3/1/2019	10.46							24	39	
3/2/2019	9.97							27	35	
3/3/2019	9.75							3	27	
3/4/2019	9.45	260			0.5	39	99.0	-3	16	51.3
3/5/2019	9.28	265	83	2.9	0.3	23	98.7	9	24	52.0
3/6/2019	9.04	273	88	2.8	0.6	45	98.4	10	33	51.8
3/7/2019	8.77							15	31	52.2
3/8/2019	8.77							15	31	
3/9/2019	8.59							22	43	
3/10/2019	14.21							31	41	
3/11/2019	11.45							26	45	50.4
3/12/2019	10.82	222	73	2.7	1.2	108	97.8	23	50	51.6
3/13/2019	16.49	182	62	4.9	1.2	165	97.0	39	62	52.1
3/14/2019	21.99	111	36	6.0	2.2	403	94.1	39	65	50.2
3/15/2019	21.63							34	43	
3/16/2019	17.19							26	46	
3/17/2019	16.22							25	46	
3/18/2019	13.35							27	47	50.9
3/19/2019	12.28	138	73	2.1	0.6	61	98.7	25	52	51.0
3/20/2019	12.72	190	72	2.0	0.6	64	98.9	38	46	50.9
3/21/2019	12.25	188	72	2.1	0.5	51	98.7	37	49	50.9
3/22/2019	11.48							29	49	
3/23/2019	10.66							23	56	
3/24/2019	10.54							35	51	
3/25/2019	10.48							29	46	51.4
3/26/2019	9.72	248	76	1.4	0.8	65	99.2	22	52	50.9
3/27/2019	9.59	210	84	1.4	0.6	48	99.1	24	60	51.1
3/28/2019	9.85	218	76	1.4	1.0	82	98.9	45	68	51.3
3/29/2019	9.80							39	61	
3/30/2019	19.33							30	48	
3/31/2019	14.33							23	42	
Minimum	8.59	111	36	1.4	0.30	23	94.1	-3	16	50.2
Maximum	21.99	273	88	6.0	2.20	403	99.2	45	68	52.2
Total	380.46	2,505	795	29.7	10.10	1,156	1,178.6	790	1,403	820.0
Average	12.27	209	72	2.7	0.84	96	98.2	26	45	51.3

## Monthly Operations Report Page 4

	Tertiary Flow MGD	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
3/1/2019	10.46	204			0.1	9	100.0	7.7	7.7	7.2	7.2
3/2/2019	9.97	224			0.4	33	99.8				
3/3/2019	9.75	268			0.5	41	99.8				
3/4/2019	9.45	264	66	3.2	0.7	55	99.7	7.6	7.7	7.2	7.2
3/5/2019	9.28	255	59	3.6	0.6	46	99.8	7.7	7.7	7.1	7.2
3/6/2019	9.04	216	51	3.1	0.3	23	99.9	7.7	7.7	7.1	7.2
3/7/2019	8.77	208	60	2.9	0.8	59	99.6	7.8	7.7	7.1	7.2
3/8/2019	8.77	212			0.3	22	99.9	7.7	7.6	7.0	7.1
3/9/2019	8.59	252			0.8	57	99.7				
3/10/2019	14.21	82			1.1	130	98.7				
3/11/2019	11.45	172	66	4.0	0.5	48	99.7	7.7	7.6	7.2	7.3
3/12/2019	10.82	224	50	3.8	0.8	72	99.6	7.7	7.6	7.2	7.2
3/13/2019	16.49	158	89	10.6	1.1	151	99.3	7.7	7.4	7.1	7.2
3/14/2019	21.99	136	40	15.6	1.8	330	98.7	7.7	7.6	7.1	7.2
3/15/2019	21.63	88			1.8	325	98.0	7.8	7.6	7.1	7.3
3/16/2019	17.19	92			1.1	158	98.8				
3/17/2019	16.22	82									
3/18/2019	13.35	130	42	4.7	0.7	78	99.5	7.7	7.6	7.4	7.4
3/19/2019	12.28	148	50	2.8	0.4	41	99.7	7.8	7.7	7.4	7.3
3/20/2019	12.72	164	50	2.6	0.4	42	99.8	7.7	7.6	7.3	7.3
3/21/2019	12.25	152	47	3.2	0.2	20	99.9	7.7	7.7	7.2	7.3
3/22/2019	11.48	136			0.2	19	99.9	7.7	7.7	7.3	7.2
3/23/2019	10.66	152			0.2	18	99.9				
3/24/2019	10.54	140			0.2	18	99.9				
3/25/2019	10.48	168	70	2.1	0.6	52	99.6	7.8	7.7	7.2	7.3
3/26/2019	9.72	250	68	2.1	0.2	16	99.9	7.7	7.7	7.2	7.2
3/27/2019	9.59	185	65	3.1	0.2	16	99.9	7.6	7.7	7.2	7.2
3/28/2019	9.85	280	53	3.2	0.6	49	99.8	7.6	7.7	7.1	7.2
3/29/2019	9.80	168			0.2	16	99.9	7.6	7.6	7.1	7.2
3/30/2019	19.33	124			0.9	145	99.3				
3/31/2019	14.33	116			0.3	36	99.7				
Minimum	8.59	82	40	2.1	0.1	9	98.0	7.6	7.4	7.0	7.1
Maximum	21.99	280	89	15.6	1.8	330	100.0	7.8	7.7	7.4	7.4
Total	380.46	5,450	926	70.6	18.0	2,126	2,987.4	161.7	160.6	150.8	151.9
Average	12.27	176	58	4.4	0.6	71	99.6	7.7	7.6	7.2	7.2



# MONTHLY OPERATIONS REPORT PAGE 5

Date	Tertiary Flow MGD	Influent Ammonia-N mg/l	Tertiary Ammonia-N mg/l	Tertiary Effluent Ammonia-N Load lbs/day	Chlorine Residual mg/l	Fecal Coliform col/100ml
3/1/2019	10.46					
3/2/2019	9.97					
3/3/2019	9.75	17.04	0.48	39.0		
3/4/2019	9.45	21.94	0.79	62.2		
3/5/2019	9.28					
3/6/2019	9.04	22.70	2.42	182.5		
3/7/2019	8.77	21.58	1.55	113.4		
3/8/2019	8.77					
3/9/2019	8.59				0.05	
3/10/2019	14.21	9.72	0.86	101.9	0.04	
3/11/2019	11.45	19.68	0.40	38.2	0.02	
3/12/2019	10.82	21.56	1.23	111.0		
3/13/2019	16.49	13.12	1.33	182.9		
3/14/2019	21.99	7.60	1.34	245.8	0.00	
3/15/2019	21.63				0.00	
3/16/2019	17.19				0.04	
3/17/2019	16.22					
3/18/2019	13.35	12.76	0.07	7.8		
3/19/2019	12.28	15.80	0.38	38.9		
3/20/2019	12.72	16.56	0.90	95.4		
3/21/2019	12.25	15.76	1.08	110.4		
3/22/2019	11.48					
3/23/2019	10.66					
3/24/2019	10.54	16.82	0.30	26.4		
3/25/2019	10.48	19.94	0.12	10.5		
3/26/2019	9.72	19.96	0.22	17.8		
3/27/2019	9.59	22.48	0.11	8.8		
3/28/2019	9.85	17.92	0.09	7.4		
3/29/2019	9.80					
3/30/2019	19.33				0.02	
3/31/2019	14.33	14.24	0.52	62.1	0.02	
Minimum	8.59	7.60	0.07	7.4	0.00	
Maximum	21.99	22.70	2.42	245.8	0.05	
Total	380.46	327.18	14.19	1,462.5	0.19	
Average	12.27	17.22	0.75	77.0	0.02	

## SLUDGE DATA

Primary Sludge	TS	3.80 %	1,079,526 Gallons
WAS to Digesters	TS	2.63 %	682,890 Gallons
Hauled Grease to Digs	TS	10.90 %	265,995 Gallons
<u>Anaerobically Digested Sludge Pumping</u>			
Drying Beds	TS	2.48 %	258,552 Gallons
BFP	TS	1.79 %	930,836 Gallons
Lagoons	TS	%	Gallons
Total			1,189,388 Gallons
VS Destruction			61.1 %

## Biosolids Disposal

Pick-Up Station	Mar	9 Cu. Yds
Delivered	Mar	4 Cu. Yds
Contractor Pickup and District Use	Mar	7 Cu. Yds
Total	Mar	20 Cu. Yds
Pick-Up Station	YTD	9 Cu. Yds
Delivered	YTD	4 Cu. Yds
Contractor Pick-Up and District Use	YTD	7 Cu. Yds
Total	YTD	20 Cu. Yds

## ENERGY DATA

Total Digester Gas Production	8,534,907 SCF
Gas Volume per Volatile Solids Load	12.9 Cu.Ft./Lb.

## Digester Gas Utilization

Heat Exchangers	15,553 SCF
Dehumidification	773,294 SCF
CHP	6,937,084 SCF
Total	7,725,931 SCF

## Digester Gas Flared

808,976 SCF

## Natural Gas Consumed

WWTC	34,933 SCF
MSB	37,600 SCF
Chemical Feed	32,267 SCF
5006 Walnut	16,333 SCF
Kilowatt-hours Generated CHP	455,544 KWH
Net energy from Comed	-80,140 KWH
Monthly net energy	-47 MWH

## MISCELLANEOUS

Grit Removal	Mar	20 Cu. Yds
Grit Removal	YTD	60 Cu. Yds
Anaerobic Supernate		664,558 Gallons
Waste Activated Sludge		130,868 Gals/Day
City Water Consumed		20,096 Gallons

## Monthly Operations Report Page 6

	Tertiary Flow MGD	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
3/1/2019	10.46											10.97
3/2/2019	9.97											
3/3/2019	9.75											
3/4/2019	9.45	6.27	2.17	496.2	171.0	65.4						
3/5/2019	9.28											
3/6/2019	9.04											20.66
3/7/2019	8.77											
3/8/2019	8.77											
3/9/2019	8.59											
3/10/2019	14.21											
3/11/2019	11.45						28.9	11.2	2,696.6	1,069.3	60.3	
3/12/2019	10.82	5.52	2.46	481.1	221.9	55.4						
3/13/2019	16.49											
3/14/2019	21.99											6.62
3/15/2019	21.63											
3/16/2019	17.19											
3/17/2019	16.22											
3/18/2019	13.35											
3/19/2019	12.28											
3/20/2019	12.72	4.44	1.57	451.1	166.5	64.6						
3/21/2019	12.25											
3/22/2019	11.48											14.88
3/23/2019	10.66											
3/24/2019	10.54											
3/25/2019	10.48	4.90	1.88	415.8	164.3	61.6						
3/26/2019	9.72											
3/27/2019	9.59											16.77
3/28/2019	9.85											
3/29/2019	9.80											
3/30/2019	19.33											
3/31/2019	14.33											
Minimum	8.59	4.44	1.57	415.8	164.3	55.4	28.9	11.2	2,696.6	1,069.3	60.3	6.62
Maximum	21.99	6.27	2.46	496.2	221.9	65.4	28.9	11.2	2,696.6	1,069.3	60.3	20.66
Total	380.46	21.13	8.08	1,844.3	723.7	247.1	28.9	11.2	2,696.6	1,069.3	60.3	69.90
Average	12.27	5.28	2.02	461.1	180.9	61.8	28.9	11.2	2,696.6	1,069.3	60.3	13.98

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:001  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Discharge:001-0  
COMBINED DISCHARGE FROM A01, B01, & C01

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE.COMBINED OUTFALLS: A01-MIXING CHAMBER DISCHARGE TO E BR OF DUPAGE RIVER-EFFECTIVE WHEN FLOWS TO TRT PLT ARE GREATER THAN 22 MGD & EXCESS FLOW FAC IS IN OPERATION. 002 BECOMES OPERATIONAL WHEN 001, A01,& B01 EXCEED 30 MGD.

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	9.5		=	9.5	=	7.2	19 - mg/L	0	03/DW - 3 Days Every Week	GR - GRAB
					Permit Req.							Req Mon MO AV MN			Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI																
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	4.3	=	9.5	19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7			=	7.4	12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB	
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	0.9	=	2.5	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	0.85	=	3.32	19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS	
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	2.46	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS	
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.07			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.								<=	.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	2	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB	
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB	
					Value NODI																
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=	380		80 - Mgal/mo								0	99/99 - Continuous		
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									99/99 - Continuous		
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

31 days of discharge, including 1 day combined discharge with A01 and zero days with C01.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:28 (Time Zone: -05:00)

Report Last Signed By



DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:002  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Discharge:002-0  
MIXING CHMBR OVERFLOW TO ST. JOSEPH CRK

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample										=	7.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample								=	18.3	=	18.3	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	7.2	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	11	=	11	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	3.32	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	1.47	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.42			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	.75 MO AVG			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample										=	2	13 - #/100mL	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample		=	4.83		80 - Mgal/mo								0	DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

1 day of discharge.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:28 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:30 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Permitted Feature:003  
External Outfall

Discharge:003-0  
EXCESS FLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MN	19 - mg/L		
					Value NODI											C - No Discharge			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
00400	pH	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		
					Value NODI							C - No Discharge				C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI											C - No Discharge			
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI											C - No Discharge			
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	.75 MO AVG			19 - mg/L		
					Value NODI									C - No Discharge					
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.										<=	400 DAILY MX	13 - #/100mL		
					Value NODI											C - No Discharge			
82220	Flow, total	1 - Effluent Gross	0	--	Sample													DL/DS - Daily When Discharging	
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									
					Value NODI				C - No Discharge										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-08 10:59 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry  
Name:Dorrance Berry  
E-Mail:rberry@dgsd.org  
Date/Time:2019-04-09 12:30 (Time Zone: -05:00)



DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:A01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Discharge:A01-0  
EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										=	45.6	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample										=	39.2	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample										=	4.62	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	1.42	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	4.36	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo									DL/DS - Daily When Discharging	CN - CONTIN
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Event 1: 3/14/19 to 3/15/19, discharging for 13.1 hours. 0.9 inches of rain over 19 hours. B01 flow rate at A01 start time: 16,667 gpm.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:28 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:30 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Permitted Feature:B01  
External Outfall

Discharge:**B01-0**  
INTERNAL MIXING CHMBR - E. BR. DUPAGE RVR

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample											48	15 - deg F	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon MO MAX	15 - deg F		
					Value NODI														
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample								= 9.5	= 8.9		19 - mg/L	0	03/07 - Three Per Week	GR - GRAB
					Permit Req.								>= 6 MN WK AV	>= 5 DAILY MN		19 - mg/L			
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					= 7				= 7.4		12 - SU	0	05/DW - 5 Days Every Week	GR - GRAB
					Permit Req.					>= 6 MINIMUM				<= 9 MAXIMUM		12 - SU			
					Value NODI														
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	--	Sample									= 197		19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	= 70.88	= 330.13		26 - lb/d			= 0.6	= 1.8			19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS
					Permit Req.	<= 2202 MO AVG	<= 4404 DAILY MX		26 - lb/d			<= 12 MO AVG	<= 24 DAILY MX			19 - mg/L			
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample									= 11.2		19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	= 76.97	= 245.76		26 - lb/d			= 0.75	= 2.42			19 - mg/L	0	05/DW - 5 Days Every Week	CP - COMPOS
					Permit Req.	<= 734 MO AVG	<= 1468 DAILY MX		26 - lb/d			<= 4 MO AVG	<= 8 DAILY MX			19 - mg/L			
					Value NODI														
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample									= 1.4		19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample									= 9.8		19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample									= 2.46		19 - mg/L	0	04/30 - Four Per Month	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00666	Phosphorus, dissolved	1 - Effluent Gross	0	--	Sample									= 1.56		19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample									= 271		19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	= 12.27	= 21.99		03 - MGD									0	99/99 - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	1	--	Sample									= 0.05		19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB
					Permit Req.									<= .05 DAILY MX		19 - mg/L			
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	= 96.32	= 403.49		26 - lb/d			= 0.8	= 2.2			19 - mg/L	0	03/DW - 3 Days Every Week	CP - COMPOS
					Permit Req.	<= 1835 MO AVG	<= 3670 DAILY MX		26 - lb/d			<= 10 MO AVG	<= 20 DAILY MX			19 - mg/L			
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2019-04-09 12:29 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry  
Name: Dorrance Berry  
E-Mail: rberry@dgsd.org  
Date/Time: 2019-04-09 12:30 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:C01  
External Outfall

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Discharge:C01-0  
EXCESS FLOW FROM CLARIFIER #1

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.											Req Mon DAILY MX	19 - mg/L			
					Value NODI											C - No Discharge				
82220	Flow, total	1 - Effluent Gross	0	--	Sample														DL/DS - Daily When Discharging	CN - CONTIN
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI				C - No Discharge											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-08 11:09 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:30 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:IL0028380

Major:Yes

Permitted Feature:INF  
Influent Structure

Permittee:DOWNERS GROVE SANITARY DISTRICT

Permittee Address:2710 CURTISS STREET PO BOX 1412  
DOWNERS GROVE, IL 60515

Discharge:INF-L  
INFLUENT MONITORING

Facility:DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:5003 WALNUT AVENUE  
DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period:From 03/01/19 to 03/31/19

DMR Due Date:04/25/19

Status:NetDMR Validated

Considerations for Form Completion

CS

Principal Executive Officer

First Name:Nicholas

Last Name:Menninga

Title:General Manager

Telephone:630-969-0664

No Data Indicator (NODI)

Form NODI:--

Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample						=		209			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Permit Req.								Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=		176			19 - mg/L		09/99 - See Permit	CP - COMPOS
					Permit Req.								Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample									=	28.9	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample									=	6.27	19 - mg/L		04/30 - Four Per Month	CP - COMPOS
					Permit Req.										Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	12.11	=	23.02	03 - MGD								99/99 - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							0	99/99 - Continuous	
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:30 (Time Zone: -05:00)

Report Last Signed By

User:reeseberry

Name:Dorrance Berry

E-Mail:rberry@dgsd.org

Date/Time:2019-04-09 12:30 (Time Zone: -05:00)

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Nicholas J. Menninga, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: April 8, 2019

SUBJECT: March 2019 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department and operations during March 2019.

Special projects in March included:

**Generator Repair – WWTC Emergency Generators 1, 2 & 3**

During our past few by-weekly generator system exercising tests, I noticed that the generator voltages and load sharing wasn't as balanced as it should be. Although it is not uncommon for there to be some differences in the loading between three generators when operating under load, the differences were to a point that it needed to be addressed.

I scheduled Altorfer Power Systems to be on site during our next by-weekly exercising to test and verify the engine speeds, voltage output and load sharing on all three generators. Fortunately, all of the electronic controllers on each of the three generators were ok and we just needed to make adjustments to correct the unbalanced issues that were occurring. After the adjustments were made independently on each generator, we ran a system test under load to adjust the load sharing on all three generators. The emergency generator system is now functioning as expected with balanced loading.

**Generator Repair – Butterfield Lift Station**

The automatic transfer switch controller that needed to be replaced, as mentioned in my January maintenance report, has been installed and configured by Altorfer Power Systems. During a system test after the new controller was installed, we noticed that the water jacket heater was leaking and needed to be replaced. I authorized Altorfer to replace the water jacket heater and also had them replace the heater hoses that were showing signs of wear. After the coolant system was repaired, the generator test was completed and the new automatic transfer switch controller is functioning properly.

**Generator Repair – College Lift Station**

During our weekly inspections at the lift stations, it was discovered that the water jacket heater on the College generator was no longer working. We seem to be at a point where all of our lift station generators are now 10-12 years old and the jacket water heaters are starting to fail. Since replacing a jacket water heater is something well within our in-house capabilities, I had Nick Whitefleet purchase and install the new water jacket heater.

In addition to just purchasing the new water jacket heater for this site, I also had Nick purchase 3 additional heaters (one of each of the three different heaters we would need) to keep in stock for future replacements at the other locations.

cc: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP

# Work Order Summary

Work Order Completion Dates from 3/3/2019 to 3/29/2019

Work Assignment	Completion Date	Equipment	NOTATIONS
Six Month Oil Change Primaries 7-8-9 Long & Cross Collector	3/23/2019	Primary Clarifier 7 Primary Clarifier 8 Primary Clarifier 9	
Six Month Oil Change On Concentrators 1 & 2	3/26/2019	Concentration Tank 1 Concentration Tank 2	
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture	3/21/2019	Digester 2 Mixing System	
Check HVAC filters upper & lower levels - Replace as needed	3/22/2019	Hobson Lift Station	Filters used from stock. No need for reorder.
Primary 5-6 shear pin and hub maintenance		Primary Clarifier 6	Removed shear pins from drive hubs on primary 5&6. Lubricated where necessary, reused shear pins.
Calibrate Influent, Effluent, & Excess Flow Transducers		Flow Meter - Excess Flow Meter - Influent Flow Meter - Tertiary	Check all meters vs. staff gauge. All were within calibration.
Six Month Oil Change Primaries 3 & 4 Long & Cross Collector	3/24/2019	Primary Clarifier 3 Primary Clarifier 4	
Grease Tracks, Check Lube Sites On Bar Screens #1 & #2	3/20/2019	Bar Screen 1 Bar Screen 2 Bar Screen Rag Compactor	
Check All Fluids In The Equipment Listed Below	3/28/2019	2009 BOB CAT S 300 #333 2009 Sterling LT 7500 2013 Wheel Loader #334 2014 Freightliner M2106 6 yd d 2015 Wheel Loader #332 2017 Deere 544K Wheel Loader 4 inch Jaeger Pump 6 in CH&E DSL TRSH PMP PERKIN 6 in CHE Diesel Trash Pump C/P 6 in JAEGER PUMP ( FORD ) Portable Generator 150 Portable Generator 200 Portable Generator 350 WWTC ODS Pump Air Compressor	
Semi-annual Calibration	3/22/2019	ORP System	ORP Probe calibration within specification - verified.

Work Assignment	Completion Date	Equipment	NOTATIONS
Replace Wiper Grit Conveyors 1-2	3/20/2019	Grit Conveyor System	
Hydro Jetting of grease and Waste Activated Sludge Lines	3/7/2019	Yard Piping - Sludge Treatment	
Semi-Annual Greasing Of Various Equipment	3/22/2019	Chlorine Contact Tank	
		Digester 3	
		Digester 5	
		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
		Hypo Effluent Booster Pump 1	
		Hypo Effluent Booster Pump 2	
		Hypo Effluent Booster Pump 3	
		Intermediate Clarifier 1	
		Intermediate Clarifier 2	
		Intermediate Clarifier 3	
Digester 1 Mixing System Semi-Annual/2000 Hour Oil Change	3/7/2019	Digester 1 Mixing Pump	
Exercise Of EBARA and Excess Pumps	3/11/2019	Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
		Excess Flow Pump 10	
		Excess Flow Pump 11	
		Excess Flow Pump 12	
Exercising of Raw and Excess Influent valves	3/20/2019	Excess Flow Pump Station	
		Raw Sewage Pump Station	
Check Sump Pumps at The WWTC and Administration Bldg.	3/26/2019	Administration Center	
		Blower Building	
		Digester 1 and 2 Control Bldg	
		Digester 3 Control Building	
		Digester 4 - 5 Control Buildg	
		Excess Flow Pump Station	
		Excess Flow Sludge Pump House	
		Grit Building	
		Hypochlorite Feed Blg	
		Interm Clarifier Sludge Bldg	



Work Assignment	Completion Date	Equipment	NOTATIONS
		Maintenance Services Building Microstrainer Building Operations Center Raw Sewage Pump Station Tunnel/Chan Aeration Tank 1-11	
Pump out old grease line valve vault	3/22/2019	Yard Piping - Liquid Treatment	
EXERCISE SLUICE GATES-WITH DRILL	3/21/2019	Channel Aeration Tank 8-11 ML Intermediate Clarifier 2 Intermediate Clarifier 3 Secondary Clarifier 8 Secondary Clarifier 9	
Cleaning of radiator fins on Unison, Nissen and Tech 3	3/22/2019	CHP Engine Genset CHP Engine Genset #2 CHP Gas Cleaning System	Cleaned all three radiators.
Exercise both 24" primary influent ratio valves	3/11/2019	Tunnel From PS to Grit Tunnel/Chan Primary Clarifiers	
Monthly Fire Extinguishers Inspection	3/22/2019	5006 Walnut Eqpmnt Strge Bldg Administration Center Bar Screen Building Belt Filter Press Building Bisulfite Building Blower Building Digester 1 and 2 Control Bldg Digester 3 Control Building Digester 4 - 5 Control Buildg Emergency Generator Building Excess Flow Pump Station Excess Flow Sludge Pump House Filter Building Grit Building Hypochlorite Feed Blg Interm Clarifier Sludge Bldg Laboratory Maintenance Services Building	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Microstrainer Building	
		Operations Center	
		Raw Sewage Pump Station	
		System Garage	
By-Weekly Fluid and Misc. Check of Generators	3/12/2019	Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Operate Relief Valves On Heat Exchangers And Boilers	3/11/2019	Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
		Excess Flow Pump Station	
6 Month Oil Change On Bearings on Grit Pumps 1, 2, 3, & 4.	3/19/2019	Grit Pump 1	
		Grit Pump 2	
		Grit Pump 3	
		Grit Pump 4	
Monthly Liquid Status of Under Ground Diesel Tank	3/11/2019	Emerg Gen Diesel Storage Tank	
Replace small cooling filters for ABS #2	3/19/2019	Aeration Blower ABS #2	
Exercise of Excess Influent and Effluent Gates	3/20/2019	Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Exercise Ratio Valve #2		Tunnel - System 2 RAS	
Exercising of secondaries 1 and 2 influent gates	3/19/2019	Secondary Clarifier 1	
		Secondary Clarifier 2	
Annual Oil Change On Int. Draw-off Valves compressor	3/20/2019	Interm Clarifier Sludge Bldg	
500 Hour Oil Change on Pearth 4	3/21/2019	Digester 4 Mixing System	
Test for H2S at Unison Gas skid	3/29/2019	CHP Gas Cleaning System	
	3/18/2019	Grit Conveyor System	Replaced grit conveyor oilers and modified brackets so oiler sit in the vertical position.
Replace uni strut in tunnel	3/15/2019	Yard Piping - Electric	Replace corrodded and destroyed uni strut in tunnel system west of grit pumps.
By-Weekly Fluid and Misc. Check of Generators	3/26/2019	Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	

Work Assignment	Completion Date	Equipment	NOTATIONS
Flip cutting edge on JD 331 Bucket		2017 Deere 544K Wheel Loader	Flipped bucket cutting edge, replaced nuts and bolts and torqued down to 220 lbs. Ground down bevel on new cutting edge surface.
Check, Remove,Clean. Grease-debris from wells	3/20/2019	Excess Flow Pump Station Raw Sewage Pump Station	
Seasonal open and close of Pearth 4 louvers	3/29/2019	Digester 4 Mixing System	
SWPPP Wet and Dry Weather Inspections-Quarterly	3/28/2019	WWTC Roadways	
Clear fence line (Both sides) west and south of big top.	3/3/2019	WWTC Fence Line	George's Landscaping cleared the fence line (Both sides) 10' back west and south of big top. The areas that have never been cleared.
Overhaul Gas compressor to have in stock as a spare.	3/4/2019	Digester 4 Mixing System	JC Cross completely rebuilt the original gas compressor to have a rebuilt unit in stock and ready to install. The warranty on this rebuilt gas compressor will start when it is installed. Even if it is a couple of years down the road.
Install a new waste oil pumping system in the existing oil cage.	3/6/2019	Maintenance Services Building	Remove one of the empty 100 gallon oil drums from the drum rack, fabricate and install a mounting plate to install a new waste oil pump. Also install new suction and discharge hoses and piping and electric to operate the new waste oil pump.
Diagnose and repair Pump 3 drive motor noise.	3/7/2019	Raw Sewage Pump 3	Pulled motor and dropped off at Rainbow for repair. Dropped off Driveshaft at Driveshafts Unlimited for u-joint replacement and balancing. Also needed to replace the drive hub on the motor.
Remodel the washroom area.	3/13/2019	System Garage	Remove all existing plumbing and electrical, demo existing full and half walls, reframe new walls for the kitchenette and bathroom/toilet areas, install new plumbing and electric, hang and finish drywall, paint, install new plumbing fixtures, cabinets, co
Troubleshoot and repair hydraulic pump system.	3/15/2019	Belt Filter Press	Remove pump and motor assembly from belt press, disassemble and repair broken motor coupler.
Replace the worn cutting blades on the grinder, flip screen.	3/19/2019	Grease Grinder	Replaced blades with new. Replaced o-rings in ACC assembly, flipped cut screen. Filled and bled system.
Troubleshoot water bath not coming up to temperature.		Laboratory	Troubleshoot water bath, found solid state relay was bad. Locate a replacement and install.
Replace wiper blades with new.	3/20/2019	2012 Honda Civic CNG	Replaced wiper blades and brake light.
Replace center brake light with new.			
Drain, flush and refill seal cavities with oil and lube pumps and motors	3/21/2019	Northwest High Flow Pump 1 Northwest High Flow Pump 2 Northwest Low Flow Pump 1 Northwest Low Flow Pump 2 Northwest Low Flow Pump 3	Drain, flush and refill seal cavities with oil and lube pumps and motors. Also inspect impellers and adjust volute clearance.
Procure inspection camera for routine maintenance on CHP Engines	3/20/2019	CHP Engine Genset CHP Engine Genset #2	
Replace the leaking mechanical seal.	3/22/2019	Wroble Pump 1	Valve off and drain pump, impeller cracked when removing. Bring impeller to Raptor for repair. After the impeller was repaired return to the station, replace the seal

Work Assignment	Completion Date	Equipment	NOTATIONS
Overhaul and replace leaking seal.	3/28/2019	Digester 2 Sludge Recirc Pump	and re-install the impeller. Put pump back on line and monitor operation. Note: The impeller Remove pump from service, bring to shop to disassemble, clean and inspect. Complete overhaul was performed including new bearings, grease seals, o-rings, shaft sleeve and mechanical. Re-assemble and reinstall. Also order parts for stock including addition

**DOWNERS GROVE SANITARY DISTRICT**  
**M E M O**

DATE: April 2, 2019

TO: Nicholas J. Menninga  
General Manager

FROM: Robert Swirsky  
Sewer System Maintenance Supervisor

RE: Monthly Report – March, 2019

1.	JULIE Line Markings:	Current	Year to Date
	Received	1024	1882
	In District	984	1793
	Marked	268	608
	Man Hours	105	249
2.	Building Service:	Current	Year to Date
a.	BSSRAP TV Inspections	16	31
b.	Emergency BSSRAP Repairs	06	25
c.	Total BSSRAP Repairs	08	34
d.	I&I inspections	00	00
e.	I&I C.O. installation	00	00
f.	Replace broken cleanout caps	00	00
g.	OHSP TV Inspections	00	00
h.	Post Rodding TV	03	07
3.	Sewer backups:	Current	Year to Date
a.	Public sewer	1	1
b.	Private sewer	19	57
c.	Surcharged main	0	0
d.	Pump station	<u>0</u>	<u>0</u>
	Total	20	58
		Current	Year to Date
4.	Sewer Cleaning (DGSD personnel):	40875	40875 Ft.
	a. Sewer Cleaning (outside contractors):	0	0 Ft.
5.	Main Sewer Televising (DGSD personnel):	193	193 Ft.
	a. Sewer Televising (outside contractors):	0	0 Ft.
6.	LETS TV	1	5
7.	Manhole inspections	00	108

8. Sewer and manhole repairs and replacements by Uno Construction:  
2E-071 to 2E-071-1, Repair a private service line that was broken by a NPL HDD.  
1C-045 to 1C-005, Repair a capped service that had been broken by VDG storm sewer installation.  
1F-055, Replace a broken manhole frame.  
1628 Prairie Ave, Repair a service pipe that was broken by a VDG water main break.
9. Miscellaneous: (sewer system personnel)
  - a. Upload flow-meters.

**CC: WDVb, AES, PWC, RTJ, KJR, MS, TTC, WCC, MCW**

**DOWNERS GROVE SANITARY DISTRICT**  
**M E M O**

DATE: April 2, 2019

TO: Nicholas J. Menninga  
General Manager

FROM: Ted Cherwak  
Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – March 2019

- | 1. | Permits issued: | Current  | Year to Date |
|----|-----------------|----------|--------------|
| a. | Single family   | 8        | 20           |
| b. | Multiple family | 0        | 0            |
| c. | Commercial      | 2        | 2            |
| d. | Repair          | 1        | 2            |
| e. | Disconnection   | <u>7</u> | <u>11</u>    |
|    | Total           | 18       | 35           |
- 
- | 2. | Inspections made:      | Current  | Year to Date |
|----|------------------------|----------|--------------|
| a. | Connections            | 3        | 11           |
| b. | Finals                 | 5        | 17           |
| c. | Repairs                | 1        | 1            |
| d. | Disconnects            | 6        | 12           |
| e. | Groundwork             | 0        | 1            |
| f. | Walk-Thru              | 0        | 1            |
| g. | Pre-connections        | 0        | 0            |
| h. | Overhead Sewer Program | 0        | 0            |
| i. | Code Enforcement       | 1        | 4            |
| j. | Lateral testing        | <u>4</u> | <u>11</u>    |
|    | Total                  | 20       | 58           |
- 
3. New Sewer Extension Construction:
- a. None
- 
4. New Sewer Extension Testing - air, deflection, manhole, televising and lamping:
- a. None
- 
5. Code Enforcement:
- a. Overhead Sewer Program
- b. Grease Trap Inspections

6. Plan & Permit Reviews:
  - a. 4819 Elm, single family review
  - b. 4541 Sherwood, single family review
  - c. 2511-2513-2515-2517-2519 Huntleigh, single family review
  - d. Saratoga Avenue, Village of Downers Grove-culvert pipe replacement
  - e. 60 W 63<sup>rd</sup> Street, Proposed Raising Cane's restaurant, site & architectural plans
7. Building Sanitary Service Access Agreements:
  - a. 1120 Saylor, Downers Grove
  - b. 111 W Chicago, Westmont
8. Illinois EPA Permits:
  - a. None
9. Waste Hauling Permits Issued:
  - a. None
10. Miscellaneous:
  - a. Training – CPR & AED (Keith Shaffner & myself)

CC: WDVb, AES, PWC, KJR, RTJ, MJS, RPS, WCC & MGP



# Permits Issued: MARCH 2019

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2019	18	4613	HIGHLAND	DG	3/1/2019	REPAIR		
2019	19	4819	ELM	DG	3/7/2019	DISCON		
2019	21	4541	SHERWOOD	DG	3/8/2019	SF-RB		\$208.00
2019	12	1120	SAYLOR	DG	3/14/2019	SF-RB		\$208.00
2019	22	428	PRAIRIE	DG	3/18/2019	DISCON		
2019	23	241 S	PARK	W	3/18/2019	DISCON		
2019	24	2511	HUNTLEIGH	WD	3/21/2019	SF	\$3,101.00	\$208.00
2019	25	2513	HUNTLEIGH	WD	3/21/2019	SF	\$3,101.00	\$208.00
2019	26	2515	HUNTLEIGH	WD	3/21/2019	SF	\$3,101.00	\$208.00
2019	27	2517	HUNTLEIGH	WD	3/21/2019	SF	\$3,101.00	\$208.00
2019	28	2519	HUNTLEIGH	WD	3/21/2019	SF	\$3,101.00	\$208.00
2018	172	2501	OGDEN	DG	3/21/2019	COM	\$1,772.00	\$334.00
2019	29	1942	HITCHCOCK	DG	3/22/2019	DISCON		
2019	30	4509	STATTON	DG	3/25/2019	DISCON		
2019	31	4804	WALLBANK	DG	3/25/2019	DISCON		
2019	9	111 W	CHICAGO	W	3/28/2019	SF	\$3,101.00	\$208.00
2019	33	615	CHICAGO	DG	3/29/2019	DISCON		
2018	186	1801	BUTTERFIELD	DG	3/29/2019	COM	\$5,095.00	\$344.00
TOTAL:							\$25,473.00	\$2,342.00

# Permit Final Inspections: MARCH 2019

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2018	81	4628	OAKWOOD	DG	3/6/2019
2018	22	5242	FARRAR	DG	3/7/2019
2018	71	4537	CUMNOR	DG	3/18/2019
2018	56	913	40TH ST	DG	3/20/2019
2018	59	4624	DOUGLAS	DG	3/27/2019

## Progress Report

To: Nick Menninga, General Manager  
From: Reese Berry, Laboratory Supervisor  
Date: April 8, 2019  
Re: March 2019 Laboratory Report

We had 1 excess rain sampling event during the month of March. There were no permit excursions during March 2019.

### **Industrial/Pretreatment:**

I've been in contact with Rexnord's temporary contact, his name is Ed Scaro. They are currently hiring the replacement for the onsite contact person for their Environmental Health and Safety position.

We completed our Semi-Annual sampling and testing requirements for our NPDES permit. We will be completing the Annual Pretreatment Report and submitting it to US EPA Region V by the end of April.

### **Biosolids:**

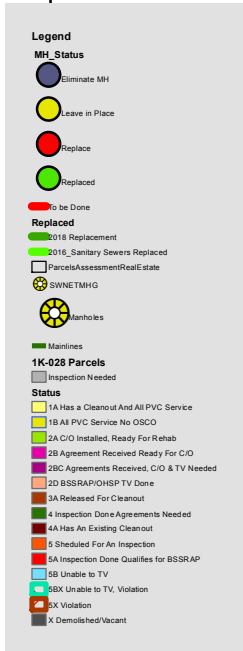
All data for the month of March was acceptable and well below the maximum concentrations for class A biosolids.

### **Equipment:**

The month of March is a biosolids collection and testing month. We use a water-bath to incubate the samples, which happened to stop heating properly over the weekend. We were able to obtain backup water-baths from other laboratories close by to ensure we could continue with sampling. I alerted Jeff Barta, he had Rolf Flechsig drop everything and come over to check it out. He was able to isolate the issue and order the part. I drove to Grainger, picked up the part and the unit was fixed with a \$50 part and our sample day continued on like normal. If we were unable to isolate and diagnose the issue, a brand new water-bath would have cost DGSD roughly \$5,000 to replace. We expect this equipment to run as normal moving forward.

We entered into a service agreement with Hach for the new Ammonium Analyzer. After realizing all routine maintenance and costs associated with those activities, we can save money by using the agreement, instead of individual service calls. This service agreement will cover all costs associated routine maintenance and anything they may find wrong while onsite.

C: WDVb, AES, PWC, KJR, RTJ, MJS, WCC, MGP



## STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Y	Y	N	Y	Y	N/A	19	8%
1B	Y	Y	N	N	N	N/A	1	0%
2A	Y	Y	Y	Y	Y	N	68	30%
2B	Y	Y	Y	Y	Y	N	18	8%
2D	Y	Y	Y	N	N	N	3	1%
3A	Y	Y	Y	Y	N	N	6	3%
4	Y	Y	N	N	N	N	38	17%
4A	N	N	N	N	N/A	N	3	1%
5	Y	N	N	N	N	N	0	0%
5A	Y	Y	N	N	N	N	15	7%
5AX	Y	Y	N	N	N	N	0	0%
5B	Y	N	N	N	N	N	20	9%
5BX	Y	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%

### Category Description:

228      100%

11% Complete

1A - PVC service with cleanout(may need to be sealed at the main)

1B - All PVC no Cleanout

2A - BSSRAP repair done, ready for rehab

2B - Ready for rehab

2D - BSSRAP/OHSP TV done

3A - Released to contractor for cleanout installation

4 - Inspection completed (Program application needed)

4A - Has an existing cleanout

5 - Inspections scheduled

5A - Inspection done - BSSRAP needed (qualifying defects or obstructions seen during TV)

5AX - Violation, BSSRAP needed

5B - Unable to TV

5BX - Unable to TV Violation

0 - Inspection Needed

X - Demolished

5X - Inspection done - Violation not corrected

2015 Basin I&I Ranking = 1

2016 Basin I&I Ranking = 27

2018 Basin I&I Ranking = 6

Combined pit violations found and corrected to date - 0

Storm pit violations found and corrected to date - 2

# DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE

DATE: 03/31/19

CASH BALANCES						PREVIOUS MONTH					
ACCOUNT NAME		ACCOUNT NUMBER		BALANCE PER BANK STATEMENT		TOTAL BALANCE PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			
DEPOSIT		XXXXXXXXXX1116		\$1,015,787.28							
DISBURSEMENT		XXXXXXXXXX1111		178,128.69							
FLEXIBLE BENEFITS		XXXXXXXXXX6025		7,265.18							
PAYROLL		XXXXXXXXXX1117		158,508.29							
PETTY CASH		XXXXXXXXXX1112		3,554.85							
USER REFUNDS		XXXXXXXXXX1114		3,983.04							
TOTAL - CASH AT BANK				\$1,367,227.33		\$1,185,558.34	\$744.33	0.0628%			
INVESTMENTS											
TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL YIELD	GENERAL CORPORATE FUND	IMPROVEMENT FUND	CONSTRUCTION FUND	PUBLIC BENEFIT FUND	SEWER EXTENSION FUND	INTEREST EARNED AT YIELD
CD	FIRST INTERNET BANK	12 MOS	5/14/2019	\$250,000.00	2.300%		\$250,000.00				\$5,750.00
CD	TAB BANK	12 MOS	5/23/2019	\$250,000.00	2.200%	\$100,000.00	\$150,000.00				\$5,500.00
CD	CIT BANK	12 MOS	11/9/2019	\$245,000.00	2.150%	\$245,000.00					\$5,267.50
CD	TRISTATE CAPITAL	12 MOS	11/9/2019	\$249,990.00	2.850%		\$249,990.00				\$7,124.72
CD	BRIDGEVIEW BANK	12 MOS	2/15/2020	\$250,000.00	2.570%	\$100,000.00	\$107,719.45		\$35,260.73	\$7,019.82	\$6,425.00
TOTAL CDs				\$1,244,990.00	2.415%	\$445,000.00	\$757,709.45	\$0.00	\$35,260.73	\$7,019.82	\$30,067.22
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	AXOS BANK fka Nationwide Bank	ONGOING	2/15/2019	\$1,177.88	0.300%	\$1,177.88					\$3.53
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$15,408.83	1.000%	\$15,408.83					\$154.09
MM	CIT BANK	ONGOING	11/9/2016	\$5,000.00	0.450%	\$5,000.00					\$22.50
MM	LIMESTONE BANK fka PBI Bank	ONGOING	9/9/2013	\$1,076.30	0.120%	\$1,076.30					\$1.29
MM	LISLE SAVINGS BANK	ONGOING	9/2/2015	\$1,018.49	0.400%	\$1,018.49					\$4.07
MM	LUANA SAVINGS BANK	ONGOING	2/15/2019	\$2,980.88	0.550%	\$2,980.88					\$16.39
MM	ROYAL BANK fka Park Fed Savings	ONGOING	12/4/2012	\$1,151.32	0.149%	\$1,151.32					\$1.72
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	2.000%	\$250,000.00					\$5,000.00
MM	TRISTATE CAPITAL BANK	ONGOING	11/9/2016	\$10.00	0.000%		\$10.00				\$0.00
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$5,141.65	0.050%		\$5,141.65				\$2.57
TOTAL MM ACCOUNTS				\$281,787.47	1.846%	\$276,635.82	\$5,151.65	\$0.00	\$0.00	\$0.00	\$5,202.63
ILLINOIS FUNDS - MONEY MARKET				\$1,832,075.05	2.474%	\$1,380,441.13	\$250,484.46	\$201,149.46	\$0.00	\$0.00	\$45,325.54
SUBTOTAL - CD'S, MM AND IL FUNDS				\$3,358,852.52	2.399%	\$2,102,076.95	\$1,013,345.56	\$201,149.46	\$35,260.73	\$7,019.82	\$80,595.39
TYPE	INSTALLMENT INVOICED	CLOSING DATE	AMOUNT	FIXED RATE							
VOUCHERS - SA58		10 OF 10	01/02/19	23,647.69	1.240%	1,322.24	22,325.45	0.00	293.23		
TOTAL VOUCHERS				\$23,647.69	1.240%	\$1,322.24	\$22,325.45	\$0.00	\$0.00	\$0.00	\$293.23
TOTAL - ALL INVESTMENTS				\$3,382,500.21	2.391%	\$2,103,399.19	\$1,035,671.01	\$201,149.46	\$35,260.73	\$7,019.82	\$80,888.62

TOTAL CASH AND INVESTMENTS \$4,749,727.54

**Board of Trustees**  
Wallace D. Van Buren  
*President*  
Amy E. Sejnost  
*Vice President*  
Paul W. Coultrap  
*Clerk*



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**General Manager**  
Nicholas J. Menninga

**Legal Counsel**  
Michael G. Philipp

*Providing a Better Environment for South Central DuPage County*

**Memo**

To: Board of Trustees  
From: Nick Menninga, General Manager  
Date: April 12, 2019  
Subject: Treasurer's Report for March, 2019

Attached please find the subject report that tracks income and expenses for the first eleven months of Fiscal Year 18-19.

Totals of expenses and income are shown on the following table:

Year-to-date	Income	Expense
General Fund	\$ 8,431,158.58 (page 1)	\$ 8,045,237.46 (page 6)
Improvement Fund	\$ 65,836.55 (page 7)	\$ 202,903.17 (page 7)
Construction Fund	\$ 176,009.46 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 465.40 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 8,673,469.99	\$ 8,262,544.27

C: BOLI, WCC, MGP

=====

Fund number & Description	Ending Fund Balance
-----	
Fund 01 : GENERAL FUND	\$3,182,449.66
Fund 02 : IMPROVEMENT FUND	\$1,205,187.23
Fund 03 : CONSTRUCTION FUND	\$314,876.48
Fund 05 : PUBLIC BENEFIT FUND	\$36,391.73
Recap Totals	<hr/> \$4,738,905.10



## TREASURER'S REPORT

DATE 04/12/19

MONTH ENDED 03/31/19

PAGE 1

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
DEPT 05	REVENUES								
3000	PROPERTY TAXES		1.21-	0	1,183,068.28-	1,167,500-	15,568.28-	1.3	1,167,500-
3001	USER RECEIPTS		284,606.15-	309,394-	2,917,253.87-	3,102,302-	185,048.13	6.0-	3,344,800-
3002	SURCHARGES		32,825.28-	27,083-	316,597.01-	297,913-	18,684.01-	6.3	325,000-
3004	PLAN REVIEW FEES		.00	0	364.00-	1,000-	636.00	63.6-	1,000-
3005	CONSTRUCTION INSPECTION FEES		.00	0	.00	500-	500.00	100.0-	500-
3006	PERMIT INSPECTION FEES		2,008.00-	1,833-	23,456.00-	20,163-	3,293.00-	16.3	22,000-
3007	INTEREST ON INVESTMENTS		685.46-	1,250-	34,961.98-	13,750-	21,211.98-	154.3	15,000-
3013	SAMPLING AND MONITORING		9,739.10-	5,833-	92,630.34-	64,163-	28,467.34-	44.4	70,000-
3014	REPLACEMENT TAXES		3,633.57-	4,600-	56,433.44-	63,700-	7,266.56	11.4-	79,800-
3015	MISCELLANEOUS INCOME		.00	833-	10,461.31-	9,163-	1,298.31-	14.2	10,000-
3021	TELEVISION INSPECTION		.00	0	.00	150-	150.00	100.0-	150-
3023	PROPERTY LEASE PAYMENTS		2,840.81-	2,792-	31,058.56-	30,712-	346.56-	1.1	33,500-
3024	MONTHLY SERVICE FEES		378,272.96-	355,995-	3,550,351.35-	3,510,185-	40,166.35-	1.1	3,827,900-
3027	GREASE WASTE		12,339.00-	16,667-	202,895.44-	183,337-	19,558.44-	10.7	200,000-
3040	RENEWABLE ENERGY CREDITS		11,627.00-	0	11,627.00-	2,250-	9,377.00-	416.8	3,000-
=====									
DEPT 05 TOTALS			738,578.54-	726,280-	8,431,158.58-	8,466,788-	35,629.42	.4-	9,100,150-
=====									
FUND REVENUE TOTAL			738,578.54-	726,280-	8,431,158.58-	8,466,788-	35,629.42	.4-	9,100,150-
=====									
DEPT 11	O & M EXPENSES - ADMINISTRATION								
SECT A	SALARIES AND WAGES								
A001	TRUSTEES		.00	0	18,000.00	18,000	.00	.0	18,000
A002	BOLI		.00	0	.00	900	900.00-	100.0-	900
A003	GENERAL MANAGEMENT		19,358.57	31,196	216,483.18	254,880	38,396.82-	15.1-	265,500
A004	FINANCIAL RECORDS		20,954.16	21,926	189,644.72	179,137	10,507.72	5.9	186,600
A005	ADMINISTRATIVE RECORDS		8,033.51	7,074	46,956.33	57,793	10,836.67-	18.8-	60,200
A007	CODE ENFORCEMENT		38,377.66	39,950	351,119.31	326,400	24,719.31	7.6	340,000
A008	SAFETY ACTIVITIES		162.90	294	797.97	2,400	1,602.03-	66.8-	2,500
A030	BUILDING AND GROUNDS		.00	0	745.75	0	745.75	.0	0
=====									
SECT A TOTALS			86,886.80	100,440	823,747.26	839,510	15,762.74-	1.9-	873,700
=====									
SECT B	OPERATIONS AND MAINTENANCE								
B100	ELECTRICITY		163.25	200	2,118.13	3,750	1,631.87-	43.5-	4,000
B101	NATURAL GAS		254.06	350	1,099.46	2,800	1,700.54-	60.7-	3,000
B102	WATER, GARBAGE AND OTHER UTILITIES		43.17	180	454.34	1,150	695.66-	60.5-	1,150
B110	BANK CHARGES		1,038.25	1,600	13,543.10	17,600	4,056.90-	23.1-	19,200
B112	COMMUNICATION		2,032.65	1,333	12,716.87	14,663	1,946.13-	13.3-	16,000
B115	EQUIPMENT/EQUIPMENT REPAIR		21,069.97	6,700	74,118.09	101,300	27,181.91-	26.8-	108,000
B116	SUPPLIES		418.01	633	6,408.81	6,963	554.19-	8.0-	7,600
B117	EMPLOYEE/DUTY COSTS		1,358.55	1,083	10,403.92	11,913	1,509.08-	12.7-	13,000
B118	BUILDING AND GROUNDS		413.73	1,200	11,693.08	24,000	12,306.92-	51.3-	24,000
B119	POSTAGE		13.02	1,000	5,302.32	11,000	5,697.68-	51.8-	12,000
B120	PRINTING/PHOTOGRAPHY		1,120.00	200	11,329.02	10,300	1,029.02	10.0	10,400
B121	USER BILLING MATERIALS		2,494.93	6,142	55,362.72	67,562	12,199.28-	18.1-	73,700

## TREASURER'S REPORT

DATE 04/12/19

MONTH ENDED 03/31/19

PAGE 2

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B124	CONTRACT SERVICES		3,782.90	8,117	129,978.59	89,287	40,691.59	45.6	97,400
B137	MEMBERSHIPS/SUBSCRIPTIONS		.00	420	6,433.00	7,410	977.00-	13.2-	7,600
=====									
SECT B TOTALS			34,202.49	29,158	340,961.45	369,698	28,736.55-	7.8-	397,050
=====									
SECT C VEHICLES									
C222	GAS/FUEL		78.46	200	822.76	1,900	1,077.24-	56.7-	2,100
C225	OPERATION/REPAIR		37.98	0	956.55	1,250	293.45-	23.5-	1,250
=====									
SECT C TOTALS			116.44	200	1,779.31	3,150	1,370.69-	43.5-	3,350
=====									
DEPT 11 TOTALS			121,205.73	129,798	1,166,488.02	1,212,358	45,869.98-	3.8-	1,274,100
=====									
DEPT 12 O & M EXPENSES - WWTC									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		9,103.25	2,644	90,653.61	21,600	69,053.61	319.7	22,500
A010	MAINTENANCE - BUDGET		.00	68,009	.00	555,648	34,900.12-	6.3-	578,800
A011	MAINTENANCE - WWTC		46,596.08	0	391,887.27	0	.00	.0	0
A012	MAINTENANCE - VEHICLES		236.56	0	4,223.76	0	.00	.0	0
A013	MAINTENANCE - ENERGY RECOVERY		3,640.03	0	27,299.51	0	.00	.0	0
A014	MAINTENANCE - ELECTRICAL		11,354.98	0	97,337.34	0	.00	.0	0
A020	WWTC - BUDGET		.00	71,264	.00	582,240	69,441.43-	11.9-	606,500
A021	WWTC - OPERATIONS		41,913.91	0	337,892.53	0	.00	.0	0
A022	WWTC - SLUDGE HANDLING		9,436.05	0	155,580.92	0	.00	.0	0
A023	WWTC - ENERGY RECOVERY		3,140.60	0	19,325.12	0	.00	.0	0
A030	BUILDING AND GROUNDS		9,275.60	5,705	55,025.42	46,608	8,417.42	18.1	48,550
=====									
SECT A TOTALS			134,697.06	147,622	1,179,225.48	1,206,096	26,870.52-	2.2-	1,256,350
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		2,669.68	6,000	75,306.50	66,000	9,306.50	14.1	72,000
B101	NATURAL GAS		1,000.57	1,000	4,890.11	11,000	6,109.89-	55.5-	12,000
B102	WATER, GARBAGE AND OTHER UTILITIES		2,306.80	4,600	21,592.90	33,100	11,507.10-	34.8-	34,000
B103	ODOR CONTROL		.00	700	2,521.20	7,700	5,178.80-	67.3-	8,000
B104	FUEL - GENERATORS		237.05	0	6,896.44	13,500	6,603.56-	48.9-	13,500
B112	COMMUNICATION		1,642.58	1,333	13,832.14	14,663	830.86-	5.7-	16,000
B113	EMERGENCY/SAFETY EQUIPMENT		853.60	1,267	10,491.90	13,937	3,445.10-	24.7-	15,200
B116	SUPPLIES		2,660.55	2,438	25,318.41	26,818	1,499.59-	5.6-	29,250
B117	EMPLOYEE/DUTY COSTS		3,628.72	2,000	19,013.07	24,000	4,986.93-	20.8-	25,000
B124	CONTRACT SERVICES		.00	0	131,034.00	131,050	16.00-	.0	131,050
B130	NPDES PERMIT FEES		.00	0	53,000.00	53,000	.00	.0	53,000
B131	SLUDGE HAULING/DISPOSAL SERVICES		.00	0	60,000.00	60,000	.00	.0	60,000
B400	CHEMICALS - BUDGET		.00	7,783	.00	85,613	40,016.20	46.7	93,400
B401	CHEMICALS - DISINFECTION		3,895.58	0	64,588.62	0	.00	.0	0
B402	CHEMICALS - SLUDGE DEWATERING		6,427.62	0	34,321.87	0	.00	.0	0
B403	CHEMICALS - TERTIARY TREATMENT		.00	0	3,819.78	0	.00	.0	0
B404	CHEMICALS - OTHER		.00	0	22,898.93	0	.00	.0	0
B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS		14.04	7,253	44,240.14	79,783	35,542.86-	44.6-	87,036

DATE 04/12/19 MONTH ENDED 03/31/19  
FUND 01 GENERAL FUND

FUND 01      GENERAL FUND

		ACTUAL	BUDGET			ACTUAL-		
COST		CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
=====								
B502	EQPT/EQPT REPAIR - DISINFECTION	.00	2,167	13,522.63	23,837	10,314.37-	43.3-	26,009
B503	EQPT/EQPT REPAIR - EXCESS FLOW	.00	4,041	2,202.97	44,451	42,248.03-	95.0-	48,487
B504	EQPT/EQPT REPAIR - GRIT REMOVAL	2,060.79	1,061	5,769.93	11,671	5,901.07-	50.6-	12,731
B505	EQPT/EQPT REPAIR - INFLUENT PUMPING	4,259.85	3,536	18,448.25	38,896	20,447.75-	52.6-	42,436
B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	.00	4,206	59,751.68	46,266	13,485.68	29.2	50,468
B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	913.15	10,614	136,213.13	116,754	19,459.13	16.7	127,369
B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	3,862.56	474	6,347.43	5,214	1,133.43	21.7	5,682
B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	7,391.36	2,739	29,008.97	30,129	1,120.03-	3.7-	32,870
B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	7,575.59	6,645	38,369.70	73,095	34,725.30-	47.5-	79,740
B511	EQPT/EQPT REPAIR - TERTIARY TREATMENT	.00	2,297	2,037.07	25,267	23,229.93-	91.9-	27,566
B512	EQPT/EQPT REPAIR - WWTC GENERAL	3,736.30	3,204	24,492.94	35,244	10,751.06-	30.5-	38,449
B513	EQPT/EQPT REPAIR - WWTC UTILITIES	29,935.74	11,526	228,608.54	126,786	101,822.54	80.3	138,307
B801	BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS	.00	1,250	12,505.00	13,750	1,245.00-	9.1-	15,001
B802	BLDG AND GROUNDS - DISINFECTION	.00	44	899.63	484	415.63	85.9	531
B803	BLDG AND GROUNDS - EXCESS FLOW	.00	380	3,145.09	4,180	1,034.91-	24.8-	4,561
B804	BLDG AND GROUNDS - GRIT REMOVAL	.00	88	183.44	968	784.56-	81.1-	1,061
B805	BLDG AND GROUNDS - INFLUENT PUMPING	616.64	1,332	15,807.74	14,652	1,155.74	7.9	15,988
B807	BLDG AND GROUNDS - SECONDARY TREATMENT	.00	88	229.06	968	738.94-	76.3-	1,061
B809	BLDG AND GROUNDS - SLUDGE DEWATERING	.00	88	1,894.55	968	926.55	95.7	1,061
B810	BLDG AND GROUNDS - SLUDGE DIGESTION	119.00	3,601	33,945.84	39,611	5,665.16-	14.3-	43,215
B811	BLDG AND GROUNDS - TERTIARY TREATMENT	.00	1,275	17,065.40	14,025	3,040.40	21.7	15,305
B812	BLDG AND GROUNDS - WWTC GENERAL	6,388.57	14,710	133,905.87	161,810	27,904.13-	17.2-	176,525
B813	BLDG AND GROUNDS - WWTC UTILITIES	.00	133	.00	1,463	1,463.00-	100.0-	1,591
=====								
SECT B TOTALS		92,196.34	109,873	1,378,120.87	1,450,653	72,532.13-	5.0-	1,555,450
=====								
SECT C VEHICLES								
C222	GAS/FUEL	834.21	2,708	16,001.97	29,788	13,786.03-	46.3-	32,500
C225	OPERATION/REPAIR	315.74	583	10,040.92	6,413	3,627.92	56.6	7,000
C226	VEHICLE PURCHASES	.00	0	10,778.00	15,000	4,222.00-	28.2-	15,000
=====								
SECT C TOTALS		1,149.95	3,291	36,820.89	51,201	14,380.11-	28.1-	54,500
=====								
DEPT 12 TOTALS		228,043.35	260,786	2,594,167.24	2,707,950	113,782.76-	4.2-	2,866,300
=====								
DEPT 13 O & M EXPENSES - LABORATORY								
SECT A SALARIES AND WAGES								
A009	OPERATIONS MANAGEMENT	6,809.56	7,232	68,085.14	59,088	8,997.14	15.2	61,550
A040	LABORATORY - BUDGET	.00	19,317	.00	157,824	17,736.88-	11.2-	164,400
A041	LAB - WWTC	14,743.70	0	117,642.82	0	.00	.0	0
A042	LAB - PRETREATMENT	205.20	0	6,740.96	0	.00	.0	0
A043	LAB - SURCHARGE PROGRAM	.00	0	7,603.95	0	.00	.0	0
A044	LAB - BOD	.00	0	835.70	0	.00	.0	0
A045	LAB - SOLIDS	.00	0	91.53	0	.00	.0	0
A046	LAB - AMMONIA	121.33	0	121.33	0	.00	.0	0
A047	LAB - MICRO	.00	0	15.74	0	.00	.0	0
A048	LAB - ENERGY RECOVERY	584.48	0	7,035.09	0	.00	.0	0
=====								
SECT A TOTALS		22,464.27	26,549	208,172.26	216,912	8,739.74-	4.0-	225,950

## TREASURER'S REPORT

DATE 04/12/19

MONTH ENDED 03/31/19

PAGE 4

FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
SECT B OPERATIONS AND MAINTENANCE									
B114	CHEMICALS		1,217.41	1,433	10,443.95	15,763	5,319.05-	33.7-	17,200
B115	EQUIPMENT/EQUIPMENT REPAIR		.00	1,350	2,983.46	14,850	11,866.54-	79.9-	16,200
B116	SUPPLIES		583.70	1,729	7,670.09	19,019	11,348.91-	59.7-	20,750
B117	EMPLOYEE/DUTY COSTS		815.53	458	2,600.30	5,038	2,437.70-	48.4-	5,500
B122	MONITORING EQUIPMENT		.00	0	51.12	9,000	8,948.88-	99.4-	9,000
B123	OUTSIDE LAB SERVICES		1,100.00	1,588	14,304.10	17,468	3,163.90-	18.1-	19,050
=====									
SECT B TOTALS			3,716.64	6,558	38,053.02	81,138	43,084.98-	53.1-	87,700
=====									
SECT C VEHICLES									
C222	GAS/FUEL		50.75	42	336.25	462	125.75-	27.2-	500
C225	OPERATION/REPAIR		.00	0	56.95	150	93.05-	62.0-	200
=====									
SECT C TOTALS			50.75	42	393.20	612	218.80-	35.8-	700
=====									
DEPT 13 TOTALS			26,231.66	33,149	246,618.48	298,662	52,043.52-	17.4-	314,350
=====									
DEPT 14 O & M EXPENSES - SEWER SYSTEM									
SECT A SALARIES AND WAGES									
A050	SEWER MAINTENANCE - BUDGET		.00	18,553	.00	151,584	26,420.38	17.4	157,900
A051	SEWER MAINTENANCE		15,773.13	0	164,014.30	0	.00	.0	0
A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS		1,736.89	0	13,990.08	0	.00	.0	0
A060	INSPECTION - BUDGET		.00	40,808	.00	333,408	43,547.15-	13.1-	347,300
A061	INSPECTION - NEW CONSTRUCTION		.00	0	833.08	0	.00	.0	0
A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS		7,640.11	0	88,526.31	0	.00	.0	0
A063	INSPECTION - PERMIT INSPECTIONS		1,420.54	0	18,547.93	0	.00	.0	0
A064	INSPECTION - MISCELLANEOUS		13,046.85	0	94,898.10	0	.00	.0	0
A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES		5,684.29	0	58,753.53	0	.00	.0	0
A066	INSPECTION - CODE ENFORCEMENT		1,445.20	0	28,301.90	0	.00	.0	0
A070	SEWER INVESTIGATIONS - BUDGET		.00	1,363	.00	11,136	1,891.38-	17.0-	11,600
A072	SEWER INVESTIGATIONS		1,342.15	0	9,244.62	0	.00	.0	0
=====									
SECT A TOTALS			48,089.16	60,724	477,109.85	496,128	19,018.15-	3.8-	516,800
=====									
SECT B OPERATIONS AND MAINTENANCE									
B112	COMMUNICATION		718.63	875	7,034.38	9,625	2,590.62-	26.9-	10,500
B113	EMERGENCY/SAFETY EQUIPMENT		.00	375	1,031.19	4,125	3,093.81-	75.0-	4,500
B115	EQUIPMENT/EQUIPMENT REPAIR		1,954.72	3,421	25,779.27	37,631	11,851.73-	31.5-	41,050
B116	SUPPLIES		773.12	458	4,457.49	5,038	580.51-	11.5-	5,500
B117	EMPLOYEE/DUTY COSTS		1,017.97	1,125	7,589.31	12,375	4,785.69-	38.7-	13,500
B124	CONTRACT SERVICES		44,084.60	11,008	107,714.81	121,088	13,373.19-	11.0-	132,100
B127	JULIE SYSTEM		.00	1,408	12,467.13	15,488	3,020.87-	19.5-	16,900
B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM		.00	2,200	25,997.00	33,800	7,803.00-	23.1-	36,000
B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE		.00	0	5,425.50	12,000	6,574.50-	54.8-	12,000
B900	SEWER SYSTEM REPAIRS - BUDGET		.00	71,600	.00	1,981,600	147,904.09-	7.5-	2,331,600
B901	SEWER SYSTEM REPAIRS - I/I PROGRAM		327.00	0	1,022,725.30	0	.00	.0	0
B902	SEWER SYSTEM REPAIRS - REPLACEMENT		3,331.25	0	36,444.97	0	.00	.0	0

## TREASURER'S REPORT

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FUND 01 GENERAL FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B903	SEWER SYSTEM REPAIRS - REHABILITATION		4,119.00	0	23,388.79	0	.00	.0	0
B904	SEWER SYSTEM REPAIRS - TV INSPECTION		.00	0	20.00-	0	.00	.0	0
B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM		49,749.77	0	652,612.19	0	.00	.0	0
B911	SEWER SYSTEM REPAIRS - BSSRAP - TARGET I/I		.00	0	4,995.00	0	.00	.0	0
B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R		986.82	0	2,754.07	0	.00	.0	0
B929	ARRA LOAN PRINCIPAL REPAYMENT		.00	0	90,795.59	0	.00	.0	0
=====									
SECT B TOTALS			107,062.88	92,470	2,031,191.99	2,232,770	201,578.01-	9.0-	2,603,650
=====									
SECT C VEHICLES									
C222	GAS/FUEL		655.13	2,208	12,348.84	24,288	11,939.16-	49.2-	26,500
C225	OPERATION/REPAIR		1,358.70	542	6,120.07	5,962	158.07	2.7	6,500
C226	VEHICLE PURCHASES		.00	0	410.56	0	410.56	.0	0
=====									
SECT C TOTALS			2,013.83	2,750	18,879.47	30,250	11,370.53-	37.6-	33,000
=====									
DEPT 14 TOTALS			157,165.87	155,944	2,527,181.31	2,759,148	231,966.69-	8.4-	3,153,450
=====									
DEPT 15 O & M EXPENSES - LIFT STATIONS									
=====									
SECT A SALARIES AND WAGES									
A009	OPERATIONS MANAGEMENT		.00	53	9,493.90	432	9,061.90	2,097.7	450
A030	BUILDING AND GROUNDS		121.99	0	1,118.51	0	1,118.51	.0	0
A080	LIFT STATION MAINTENANCE		3,805.25	8,061	67,333.77	65,857	1,476.77	2.2	68,600
=====									
SECT A TOTALS			3,927.24	8,114	77,946.18	66,289	11,657.18	17.6	69,050
=====									
SECT B OPERATIONS AND MAINTENANCE									
B100	ELECTRICITY		11,103.44	9,667	105,894.48	106,337	442.52-	.4-	116,000
B104	FUEL - GENERATORS		.00	0	3,729.28	4,500	770.72-	17.1-	4,500
B112	COMMUNICATION		358.16	458	3,923.99	5,038	1,114.01-	22.1-	5,500
B113	EMERGENCY/SAFETY EQUIPMENT		.00	0	.00	250	250.00-	100.0-	250
B116	SUPPLIES		.00	0	431.66	270	161.66	59.9	300
B520	EQPT/EQPT REPAIR - BUTTERFIELD		46.70	238	4,223.71	2,618	1,605.71	61.3	2,857
B521	EQPT/EQPT REPAIR - CENTEX		.00	206	12,085.13	2,266	9,819.13	433.3	2,477
B522	EQPT/EQPT REPAIR - COLLEGE		.00	3,338	47,090.25	36,718	10,372.25	28.3	40,058
B523	EQPT/EQPT REPAIR - EARLSTON		.00	442	15,915.14	4,862	11,053.14	227.3	5,302
B524	EQPT/EQPT REPAIR - HOBSON		.00	1,041	16,736.07	11,451	5,285.07	46.2	12,491
B525	EQPT/EQPT REPAIR - LIBERTY PARK		.00	159	3,771.31	1,749	2,022.31	115.6	1,906
B526	EQPT/EQPT REPAIR - NORTHWEST		.00	454	16,581.42	4,994	11,587.42	232.0	5,446
B527	EQPT/EQPT REPAIR - VENARD		.00	305	4,393.70	3,355	1,038.70	31.0	3,666
B528	EQPT/EQPT REPAIR - WROBLE		625.00	167	10,099.02	1,837	8,262.02	449.8	2,008
B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL		.00	7,128	19,812.64	78,408	58,595.36-	74.7-	85,539
B820	BLDG AND GROUNDS - BUTTERFIELD		.00	0	1,045.92	0	1,045.92	.0	0
B821	BLDG AND GROUNDS - CENTEX		.00	0	1,184.17	0	1,184.17	.0	0
B823	BLDG AND GROUNDS - EARLSTON		.00	0	1,035.92	0	1,035.92	.0	0
B824	BLDG AND GROUNDS - HOBSON		.00	0	25,760.75	17,500	8,260.75	47.2	17,500
B825	BLDG AND GROUNDS - LIBERTY PARK		.00	0	1,307.84	0	1,307.84	.0	0
B826	BLDG AND GROUNDS - NORTHWEST		.00	0	3,501.92	0	3,501.92	.0	0

## TREASURER'S REPORT

DATE 04/12/19  
FUND 01 GENERAL FUND

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
=====									
B827	BLDG AND GROUNDS - VENARD		.00	0	1,061.92	0	1,061.92	.0	0
B828	BLDG AND GROUNDS - WROBLE		.00	0	1,172.92	0	1,172.92	.0	0
B829	BLDG AND GROUNDS - LIFT STATIONS GENERAL		.00	1,183	723.65	13,013	12,289.35-	94.4-	14,200
=====									
SECT B TOTALS			12,133.30	24,786	301,482.81	295,166	6,316.81	2.1	320,000
=====									
DEPT 15 TOTALS			16,060.54	32,900	379,428.99	361,455	17,973.99	5.0	389,050
=====									
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOYEE BENEFITS									
SECT E INSURANCE AND EMPLOYEE BENEFITS									
E452	LIABILITY/PROPERTY		.00	0	173,011.62	196,600	23,588.38-	12.0-	196,600
E455	EMPLOYEE GROUP HEALTH		41,520.99	39,958	465,399.68	439,538	25,861.68	5.9	479,500
E460	IMRF		19,543.28	30,406	295,159.36	306,372	11,212.64-	3.7-	330,500
E461	SOCIAL SECURITY		22,279.51	18,376	197,782.76	203,603	5,820.24-	2.9-	221,400
=====									
SECT E TOTALS			83,343.78	88,740	1,131,353.42	1,146,113	14,759.58-	1.3-	1,228,000
=====									
DEPT 17 TOTALS			83,343.78	88,740	1,131,353.42	1,146,113	14,759.58-	1.3-	1,228,000
=====									
FUND EXPENSE TOTAL			632,050.93	701,317	8,045,237.46	8,485,686	440,448.54-	5.2-	9,225,250
=====									
FUND 01 TOTALS			106,527.61-	24,963-	385,921.12-	18,898	404,819.12-	2,142.1-	125,100
=====									

## TREASURER'S REPORT

DATE 04/12/19 MONTH ENDED 03/31/19  
 FUND 02 IMPROVEMENT FUND

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		1,976.94-	1,625-	19,058.90-	17,875-	19,500-
3010	TRUNK SEWER SERVICE CHARGES		23,187.00-	7,500-	46,777.65-	82,500-	90,000-
=====							
DEPT 05	TOTALS		25,163.94-	9,125-	65,836.55-	100,375-	109,500-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	46,600	93,200
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	46,595.52	0	0
=====							
DEPT 30	TOTALS		.00	0	46,595.52	46,600	93,200
=====							
DEPT 36	CAPITAL EXP - LIBERTY PARK LIFT STATION UPGRADE						
0500	PROJECT BUDGET		.00	0	.00	0	350,000
0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVI		.00	0	21,481.53	0	0
0506	CONSTRUCTION CONTRACTS AND PURCHASES		.00	0	129,176.87	0	0
=====							
DEPT 36	TOTALS		.00	0	150,658.40	0	350,000
=====							
DEPT 74	CAPITAL EXP - SEWER - UNSEWERED AREAS						
0500	PROJECT BUDGET		.00	7,500	.00	7,500	7,500
0501	REPORT ENGINEERING/ARCHITECTURAL		.00	0	5,649.25	0	0
=====							
DEPT 74	TOTALS		.00	7,500	5,649.25	7,500	7,500
=====							
FUND	EXPENSE TOTAL		.00	7,500	202,903.17	54,100	450,700
=====							
FUND 02	TOTALS		25,163.94-	1,625-	137,066.62	46,275-	341,200
=====							

## TREASURER'S REPORT

DATE 04/12/19

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FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		427.08-	458-	1,149.46-	5,038-	5,500-
3009	SEWER PERMIT FEES		20,378.00-	20,833-	174,860.00-	229,163-	250,000-
3093	GRANT FUNDING		.00	500,000-	.00	500,000-	500,000-
=====							
DEPT 05	TOTALS		20,805.08-	521,291-	176,009.46-	734,201-	755,500-
=====							
DEPT 30	CAPITAL EXP - ARRA - LOAN REPAYMENTS						
0500	PROJECT BUDGET		.00	0	.00	14,450	28,900
0515	PAYMENT ON LOAN PRINCIPAL		.00	0	14,403.64	0	0
=====							
DEPT 30	TOTALS		.00	0	14,403.64	14,450	28,900
=====							
DEPT 31	CAPITAL EXP - WWTC - CHP BIOGAS						
=====							
DEPT 31	TOTALS		.00	0	.00	0	0
=====							
DEPT 32	CAPITAL EXP - WWTC - SECOND TURBOBLOWER						
=====							
DEPT 32	TOTALS		.00	0	.00	0	0
=====							
DEPT 33	CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING						
=====							
DEPT 33	TOTALS		.00	0	.00	0	0
=====							
DEPT 34	CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP						
=====							
DEPT 34	TOTALS		.00	0	.00	0	0
=====							
DEPT 35	CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2						
=====							
DEPT 35	TOTALS		.00	0	.00	0	0
=====							
DEPT 37	CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2						
=====							
DEPT 37	TOTALS		.00	0	.00	0	0
=====							
DEPT 38	CAPITAL EXP - WWTC - PROPERTY ACQUISITION						
=====							
DEPT 38	TOTALS		.00	0	.00	0	0
=====							



TREASURER'S REPORT

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 FUND 03 CONSTRUCTION FUND

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
DEPT 39	CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT						
DEPT 39 TOTALS			.00	0	.00	0	0
DEPT 40	CAPITAL EXP - WWTC - LOAN REPAYMENT						
DEPT 40 TOTALS			.00	0	.00	0	0
FUND EXPENSE TOTAL			.00	0	14,403.64	14,450	28,900
FUND 03 TOTALS			20,805.08-	521,291-	161,605.82-	719,751-	726,600-

## TREASURER'S REPORT

DATE 04/12/19 MONTH ENDED 03/31/19  
 FUND 05 PUBLIC BENEFIT FUND

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		69.61-	46-	465.40-	506-	550-
=====							
DEPT 05	TOTALS		69.61-	46-	465.40-	506-	550-
=====							
DEPT 59	CAPITAL EXP - SEWER - SEWER EXTENSIONS						
=====							
DEPT 59	TOTALS		.00	0	.00	0	0
=====							
DEPT 65	CAPITAL EXP - SEWER - REIMB FOR ADDED DEPTH						
=====							
DEPT 65	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 05	TOTALS		69.61-	46-	465.40-	506-	550-
=====							

DATE 04/12/19 MONTH ENDED 03/31/19  
FUND 54 SPECIAL ASSESSMENT NO. 54

FUND 54      SPECIAL ASSESSMENT NO. 54

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
DEPT 05	REVENUES					
=====						
DEPT 05	TOTALS	.00	0	.00	0	0
=====						
DEPT 91	SA EXPENSE					
=====						
DEPT 91	TOTALS	.00	0	.00	0	0
=====						
FUND	EXPENSE TOTAL	.00	0	.00	0	0
=====						
FUND	54 TOTALS	.00	0	.00	0	0
=====						

DATE 04/12/19 MONTH ENDED 03/31/19  
FUND 55 SPECIAL ASSESSMENT NO. 55

FUND 55      SPECIAL ASSESSMENT NO. 55

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
DEPT 05	REVENUES					
=====						
DEPT 05	TOTALS	.00	0	.00	0	0
=====						
DEPT 91	SA EXPENSE					
=====						
DEPT 91	TOTALS	.00	0	.00	0	0
=====						
FUND	EXPENSE TOTAL	.00	0	.00	0	0
=====						
FUND	55 TOTALS	.00	0	.00	0	0
=====						

TREASURER'S REPORT

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 FUND 56 SPECIAL ASSESSMENT NO. 56

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3008	INTEREST ON ASSESSMENTS		.00	0	310.31-	0	0
=====							
DEPT 05	TOTALS		.00	0	310.31-	0	0
=====							
DEPT 91	SA EXPENSE						
=====							
DEPT 91	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 56	TOTALS		.00	0	310.31-	0	0
=====							

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FUND 57 SPECIAL ASSESSMENT NO. 57

		ACTUAL	BUDGET			
	COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL
NUMBER	DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET
=====						
DEPT 05	REVENUES					
=====						
DEPT 05	TOTALS	.00	0	.00	0	0
=====						
DEPT 91	SA EXPENSE					
=====						
DEPT 91	TOTALS	.00	0	.00	0	0
=====						
FUND	EXPENSE TOTAL	.00	0	.00	0	0
=====						
FUND	57 TOTALS	.00	0	.00	0	0
=====						

TREASURER'S REPORT

DATE 04/12/19 MONTH ENDED 03/31/19  
FUND 58 SPECIAL ASSESSMENT NO. 58

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NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3008	INTEREST ON ASSESSMENTS		9.30-	0	386.65-	0	0
=====							
DEPT 05	TOTALS		9.30-	0	386.65-	0	0
=====							
DEPT 91	SA EXPENSE						
=====							
DEPT 91	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 58	TOTALS		9.30-	0	386.65-	0	0
=====							

TREASURER'S REPORT

DATE 04/12/19

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FUND 71 SEWER EXTENSIONS ESCROW

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET
=====							
DEPT 05	REVENUES						
3007	INTEREST ON INVESTMENTS		13.82-	0	92.37-	0	0
=====							
DEPT 05	TOTALS		13.82-	0	92.37-	0	0
=====							
DEPT 92	SEWER EXPENSE						
=====							
DEPT 92	TOTALS		.00	0	.00	0	0
=====							
FUND	EXPENSE TOTAL		.00	0	.00	0	0
=====							
FUND 71	TOTALS		13.82-	0	92.37-	0	0
=====							



## **GENERAL MANAGER'S REPORT TO EMPLOYEES**

**March 29, 2019**

### **Fee Revisions**

The Board approved Ordinance No. ORD 19-01 increasing these District fees and charges with an effective date of March 31, 2019:

- a) Permit inspection fees - \$216 per building service for single family class and \$357 per building service for all other classes or \$206 per building if no work is required on the service.
- b) Tap-in fee - \$912 per population equivalent (P.E.).
- c) Trunk sewer service charges - \$423 per P.E.
- d) Lateral sewer charge - \$11,760 per building drain to near side property and \$8,519 per building drain to far side property.
- e) Sewer construction inspection fee - \$68.00 per hour straight time and \$102.00 per hour overtime.
- f) User rate - \$1.70 per 1000 gallons of water consumption
- g) Flat-rate - \$40.80 per quarter
- h) Monthly service fee - \$17.00 per month.
- i) Sampling and monitoring charge – This charge will vary from \$5.56 per month to \$123.51 per month depending on the type of user.

### **Five Year Financial Plan and Appropriation Ordinance**

At the March 19 meeting, the Board approved the Five Year Financial Plan for Fiscal Years 2019-20 to 2023-24. The plan includes a \$1.00 increase in the monthly service fee, from \$16.00 to \$17.00 and an increase in the user rate from \$1.65 to \$1.70 per 1000 gallons. The Board also approved the Fiscal Year 2019-2020 Appropriation Ordinance. The plan sets a budget for operation and maintenance expenses of \$9,429,400 for the fiscal year starting May 1, 2019.

### **Personnel**

The District has extended an offer to one applicant for our open part-time accounting assistant position. The applicant has accepted and is in the process of completing all conditions attached to the offer. It is anticipated that the applicant will start on April 3.

### **Employee Function**

A bowling/pizza party will be held at the Tivoli Bowl on Wednesday, April 24, at 6:30 p.m.

### **Reminder – Vehicle Idling**

Employees are reminded that the idling of District vehicles should be kept to a minimum and all efforts should be made by staff to reduce fuel consumption when vehicles are not in use for extended periods of time or when extreme weather conditions are not present.

## **Tophealth**

The April issue of TopHealth is enclosed.

## **DuPage County River Sweep**

DuPage County River Sweep 2019 is scheduled for Saturday, May 18 from 9:00 a.m. to noon. River Sweep is a county-wide stream clean-up conducted on an annual basis. The purpose of River Sweep is to encourage citizens and volunteer groups to help "sweep our rivers clean" by picking up debris in and along our waterways. Please let Clay or Alyssa know if you would like to join us for this important volunteer effort. Your family members are also welcome. There will be additional sign-up information in the next month.

## **Group Health Insurance**

We are currently soliciting proposals for renewal of our group medical insurance. Our dental, vision and life insurance benefits are still under contract through May 31, 2020.

## **Sewer Rehabilitation/Infiltration and Inflow Removal**

We are targeting the 1-K-028 area for private property inspections and I/I removal. We are also monitoring the area around the 1-M-049 manhole to evaluate flows in the vicinity and the recent installation of a bolt-down cover at 1-M-049. Regular flow monitoring continues.

## **Status of Projects**

### **1) Westmont Alley Sewer Replacement**

The project consists of alley sewer replacement work in the 1-K-028 drainage area, in the vicinity of Lincoln St and Grant St between Naperville Rd and Burlington Ave. Uno Construction is developing a plan to correct sagged sections of new pipe that did not pass post-construction testing requirements.

### **2) 001 Outfall Pipe Repair**

Baxter & Woodman has finally completed survey and geotechnical work, and is now able to complete the design of the repairs needed for the sagged section of the outfall pipe that carries effluent flow to the East Branch of the DuPage River. Construction permit applications for the County and the State are in process.

### **3) WWTC WAS Mechanical Thickening**

Baxter & Woodman has begun design of the installation of a mechanical sludge thickener to be located in the digester 4-5 control building.

4) 2019-20 Sewer Rehabilitation

Baxter & Woodman has nearly completed design of a sewer lining project for a length of large sewer along Warren Avenue in Downers Grove, and is coordinating construction with Village of Downers Grove Public Works.

## **GENERAL MANAGER'S REPORT TO EMPLOYEES**

**April 12, 2019**

### **WWTC Operations Data – March**

The DMR for March indicates that the final effluent averaged 0.8 mg/l CBOD, 0.6 mg/l suspended solids and 0.75 mg/l ammonia nitrogen over a daily average flow of 12.27 MGD. There were no permit excursions in March.

### **Financial Data – March**

In March, the District received \$738,579 in the General fund, including \$284,606 in user charges, \$32,825 in surcharges and \$378,273 in monthly fees. General fund expenses totaled \$632,051. The Improvement fund had revenues of \$25,164 and expenses of \$0. The Construction fund had revenues of \$20,805 and expenses of \$0.

### **Sewer Permits – March**

There were 18 sewer permits issued in March – 8 single family, 2 commercial, 1 repair and 7 disconnections.

### **Group Health Insurance**

We are wrapping up our review of proposals for renewal of our group health and life insurance for the June 1 plan renewal. We will be having an enrollment meeting for all employees regarding this upcoming plan year on Tuesday, April 30 from 2:00 p.m. – 3:00 p.m. in the MSB Lunchroom. Amy Abell of GCG Financial, Inc. will be on-site and available for any questions.

### **Personnel**

Laura Hois's last day with the District as a Part-Time Secretary was April 2. Sue Testin, the District's new Part-Time Accounting Assistant, started on April 3.

### **Employee Function**

A bowling/pizza party will be held at the Tivoli Bowl on Wednesday, April 24, at 6:30 p.m.

### **DuPage County River Sweep**

DuPage County River Sweep 2019 is scheduled for Saturday, May 18 from 9:00 a.m. to noon. River Sweep is a county-wide stream clean-up conducted on an annual basis. The purpose of River Sweep is to encourage citizens and volunteer groups to help "sweep our rivers clean" by picking up debris in and along our waterways. Please let Clay or Alyssa know if you would like to join us for this important volunteer effort. Your family members are also welcome. There will be additional sign-up information in the next week or so.

## **Sewer Rehabilitation/Infiltration and Inflow Removal**

We are targeting the 1-K-028 area for private property inspections and I/I removal. We are also monitoring the area around the 1-M-049 manhole to evaluate flows in the vicinity and the installation of a bolt-down cover at 1-M-049. Regular flow monitoring continues.

### **Status of Projects**

#### **1) Westmont Alley Sewer Replacement**

The project consists of alley sewer replacement work in the 1-K-028 drainage area, in the vicinity of Lincoln St and Grant St between Naperville Rd and Burlington Ave. Uno Construction is developing a plan to correct sagged sections of new pipe that did not pass post-construction testing requirements.

#### **2) 001 Outfall Pipe Repair**

Baxter & Woodman has completed survey and geotechnical work, and is completing the design of the repairs needed for the sagged section of the outfall pipe that carries effluent flow to the East Branch of the DuPage River. Construction permit applications for the County and the State are in process.

#### **3) WWTC WAS Mechanical Thickening**

Baxter & Woodman has begun design of the installation of a mechanical sludge thickener to be located in the digester 4-5 control building.

#### **4) 2019-20 Sewer Rehabilitation**

Baxter & Woodman has completed design of this sewer lining project for a length of large sewer along Warren Avenue in Downers Grove. The project has been advertised, and bids are scheduled to be opened on Wednesday, May 8.