DOWNERS GROVE SANITARY DISTRICT GENERAL MANAGER'S REPORT April 14, 2022

April Board Meeting

Copies of documentation for the following agenda items are enclosed for the April 19, 2022 meeting:

- 1) Proposed Agenda
- 2) Minutes of the March 15, 2022 regular meeting
- 3) Claim Ordinance 1912
- 4) Memo regarding Group Insurance Coverage Renewal
- 5) Operations Report Memo and presentation slides on collection system programs
- 6) Memo regarding BSSRAP Contract Award
- 7) Memo regarding Outfall Sag Repair Contract Award
- 8) Memo regarding Sewer Televising Contract Award
- 9) 2022 Unsewered Area Plan

BOLI Meeting

There is a BOLI meeting scheduled for 6:45 pm on April 19, 2022. The meeting will be at the District Admin Center in the Board Room. The packet for that meeting is enclosed.

Operations Reports

Copies of the following are enclosed for March operations:

- 1) Progress Report from Carly 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 Keith on Collection System Construction activities.
- 6) Progress Report from Reese on Laboratory activities.
- 7) Engineering Report and Flow Monitoring Report from Alex

Infiltration/Inflow Removal Work

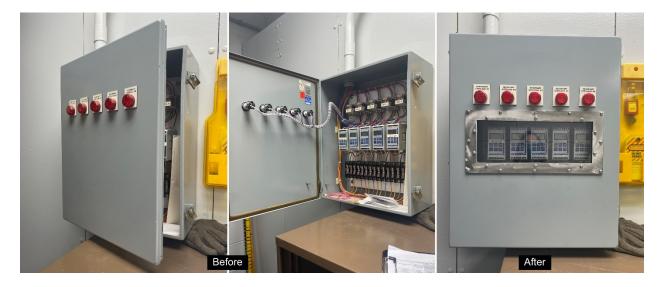
Inspection efforts on private property under the I/I program with the intention of conducting I/I removal is ongoing in the 1-K-028 (Cass and Burlington, WT) area. A map showing progress for this area is included here, as well as a status summary sheet.

Safety Committee and Related Safety Matters

The District's Safety Coordinator attended a 4-day OSHA class at NIU's Naperville campus in early April.

While conducting JSAs (Job Safety Analysis) with the Operations Department, it was discovered that the operators take daily clarifier torque readings from gauges located inside of electrical

boxes in two locations. Although the operators did not need to touch anything inside the boxes, the electrical exposure hazard was eliminated by adding a viewing window to the boxes as shown below.



Stop the Bleed Kits were added to the five wall-mounted AED cabinets and three mobile AED boxes. The kits contain a CAT tourniquet (Combat Application Tourniquet), chest seal pack, emergency trauma dressing, wound packing gauze, trauma shears, survival blanket, and nitrile gloves. Employees learned how to use these items last fall during a training session with Michael Egan from LifeLink EMS.

As shown in the example here on the right, directional signage has been added in the tunnels, indicating building locations.



Financial

A copy of the Investment Schedule as of March 31, 2022 is enclosed.

The Treasurer's Report for March 2022 covering the first eleven months of FY 21-22 is included herein, along with a summary cover memo.

Meetings

I attended the following meetings since the March 11, 2022 General Manager's report:

- March 17 attended CSWEA Local Arrangements Committee meeting
- March 23 attended DRSCW Fawell Dam meeting. Larry attended also.
- March 25 attended IAWA Nutrient Subcommittee NARP meeting

- March 25 attended meeting with Forest Preserve District of DuPage County re: Maple Grove bridge/Gilbert Park overflow sewer (rescheduled from March 11)
- April 7 attended East Branch DuPage River Watershed Steering Committee meeting hosted by DuPage County Stormwater Management
- April 12 attended DRSCW Projects Committee meeting. Larry attended also.
- April 13 gave tour of WWTC to Congressman Sean Casten. Bob also attended.
- April 13 attended NACWA's Small & Mid-Size Working Group meeting
- April 14 attended DRSCW Executive Board meeting

Miscellaneous

Copies of the following items are enclosed:

- 1) March 15 e-mail to employees re: revisions to Section 3.3 of the COVID Plan
- 2) 2022 Progress Report on WWTC PDOP, dated March 24
- 3) General Manager's Report to the Employees dated March 25 and April 8
- 4) Sanitary Sewer Overflow or Bypass Notification Summary Report to IEPA regarding April 6 Wroble force-main break, dated April 8
- 5) April 13 Letter of Support for Maple Grove Forest Preserve Bridge Replacement project

I used on vacation March 28 – April 1. I will be out of the office on May 4 - 5 and May 16 - 19 attending the IAWA Mini-Conference and CSWEA Annual Meeting, respectively.

cc: WDVB, AES, JMW, BOLI, MGP, CS

DOWNERS GROVE SANITARY DISTRICT BOARD OF TRUSTEES MEETING APRIL 19, 2022 – 7:00 PM BOARD ROOM

PROPOSED AGENDA

- I. APPROVAL OF MINUTES A. REGULAR MEETING – MARCH 15, 2022
- II. APPROVAL OF CLAIM ORDINANCE NO. 1912
- **III. PUBLIC COMMENT**
- **IV. OLD BUSINESS**
- V. NEW BUSINESS
 - A. INSURANCE EMPLOYEE GROUP COVERAGE
 - B. OPERATIONS REPORT COLLECTION SYSTEM PROGRAMS
 - C. CONTRACT AWARDS
 - 1. BSSRAP
 - 2. OUTFALL SAG REPAIR
 - 3. SEWER TELEVISING
 - D. UNSEWERED AREA PLAN

PUBLIC COMMENT:

The District has an online form for the Public who cannot attend the meeting to submit public comment. District staff shall read aloud any received public comments during the Public Comment portion of the meeting. Public comments for Public not attending the meeting in person need to be submitted before 4:00 p.m. on April 19, 2022. The form can be found here: https://www.dgsd.org/government/public-comment/



MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, March 15, 2022, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Trustees Wally D. Van Buren, Amy E. Sejnost, Jeremy M. Wang, General Manager Amy R. Underwood, Administrative Supervisor Carly S. Shaw, Sewer Construction Supervisor Keith W. Shaffner, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp. Mitch Backes of Corkill Insurance Co. also attended.

Election of Clerk

The following election was made: A motion was made by Trustee Sejnost seconded by Trustee Van Buren nominating Jeremy M. Wang as Clerk, closing the nominations for Clerk and electing by unanimous consent Jeremy M. Wang as Clerk. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

Minutes of Regular Meeting - February 8, 2022

A motion was made by Trustee Sejnost seconded by Trustee Van Buren approving the minutes of the regular meeting held on February 8, 2022 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Minutes of Executive Session – February 8, 2022

A motion was made by Trustee Van Buren seconded by Trustee Sejnost approving the minutes of the executive session held on February 8, 2022 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Claim Ordinance No. 1911

A motion was made by Trustee Sejnost seconded by Trustee Van Buren adopting Claim Ordinance No. 1911 in the total amount of \$563,145.67 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Wang.)

Public Comment - None

New Business

Business Insurance Renewals for FY 22-23

General Manager Underwood reviewed the proposal for renewal of the District's property and liability coverages with effective dates of April 14. The proposal included General Liability, Automobile, Public Officials Liability, Umbrella Liability, Fidelity and Crime, Property, Cyber-Liability and Workers Compensation. Staff's recommendation is to renew the General Liability, Automobile, Public Officials Liability, Umbrella Liability, Property, and Workers Compensation coverages with Selective Insurance Inc. The Property policy with Selective includes Equipment Breakdown coverage through Inland Marine. Staff recommended to renew existing Equipment Breakdown policy with Inland Marine and the existing Tank Storage Pollution Liability coverage through Crum & Forster. Staff also recommend to move Cyber-Liability coverage to Cowbell Cyber and Crime to Liberty Mutual. The total annual premiums are proposed at \$220,435. A motion was made by Trustee Sejnost seconded by Trustee Van Buren authorizing the Administrative Supervisor to renew the District's insurance coverages as presented in the March 15, 2022 memo. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Wang.). A motion was made by Trustee Sejnost seconded by Trustee Van Buren authorizing the Administrative Supervisor to make the changes in District's Cyber-Liability and Crime coverages as presented in the March 15, 2022 memo. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Wang.) Sejnost and Wang.)

Revision Of Authorized Bank Account Signer

Staff presented a memo reviewing the current arrangement of District bank accounts and authorized signers and recommending adding Jeremey M. Wang to the District Deposit Account and Disbursement Account due to his appointment to the Board of Trustees on March 1, 2022. A motion was made by Trustee Sejnost seconded by Trustee Van Buren to approve staff's actions to add Jeremy M. Wang to the District Deposit Account and Disbursement Account. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost, and Wang.)

Adopt Ordinance Amending Fees Five Year Financial Plan and Budget Approval - FY 2022-23

The Five-Year Financial Plan and Budget were presented at the February Board meeting and have been available for public review since February 10 following a public notice of availability. A motion was made by Trustee Sejnost seconded by Trustee Van Buren approving the Five-Year Financial Plan for Fiscal Years 2022-23 to 2026-27 which includes the budget for Fiscal Year 2022-23. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Adopt Appropriation Ordinance for Fiscal Year 2022-23

The Fiscal Year 2022-23 Appropriation Ordinance was presented at the February Board meeting and has been available for public review since February 10 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 Van Buren adopting the Fiscal Year 2022-23 Appropriation Ordinance and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Adopt Ordinance Amending Fees

General Manager Underwood presented Ordinance No. ORD 22-01. This ordinance increases various District fees and charges to the following amounts:

a) Permit inspection fees - \$241 per building sanitary service for single family class and \$400 per building sanitary service (or \$231 per building sanitary service if no work on building sanitary service is required) for all other classes.

- b) Tap-in fee \$1,081 per population equivalent (P.E.).
- c) Trunk sewer service charges \$472 per P.E.
- d) Lateral sewer charge \$13,126 per building drain to near side property and \$9,509 per building drain to far side property.
- e) Sewer construction inspection fee \$76.50 per hour straight time and \$114.75 per hour overtime.
- f) Basic user rate \$2.05 per 1000 gallons of water (or \$49.20 per quarter for all non-metered single family residential users).
- g) Surcharge rate \$0.31 per pound for biochemical oxygen demand (BOD) and \$0.41 per pound for suspended solids (SS).
- h) Monthly service fee \$19 per month for all accounts, and sampling and monitoring charges if applicable.
- i) Sampling and monitoring charge This charge will vary from \$6.24 per month to \$138.51 per month depending on the type of user.

A motion was made by Trustee Sejnost seconded by Trustee Van Buren adopting Ordinance No. ORD 22-01 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Compensation of General Manager for FY22-23

A motion was made by Trustee Sejnost seconded by Trustee Van Buren to increase General Manager Underwood's salary from \$157,200 to \$168,204 effective April 1, 2022. The motion carried. (Votes recorded: Ayes–Van Buren and Sejnost. Abstain–Wang.)

Contract Award – Sludge Hauling and Land Application

General Manager Underwood reviewed the bids received on March 10 for Sludge Hauling and Land Application services. Three bids were received. She recommended that the contract be awarded to the lowest responsible, responsive bidder Stewart Spreading of Sheridan, Illinois in the amount of \$179,920. A motion was made by Trustee Sejnost seconded by Trustee Van Buren to award the contract for sludge hauling and land application services to the lowest responsible, responsive bidder, Stewart Spreading, in the amount of \$179,920 and to authorize the General Manager engage the contractor for this work. The motion carried. (Votes recorded: Ayes—Van Buren, Sejnost and Wang.)

Other New Business

Trustee Van Buren welcomed Jeremy Wang to the Board. He expressed his appreciation to Administrative Supervisor Shaw for her hard work managing two positions and inquired about the status of hiring a new Accounting Assistant. He inquired about the installation of a new firewall noted in Administrative Supervisor Shaw's report and if there has been any District customer utilization of DuPage County's Low Income Household Water Assistance Program. He also noted that the treatment center reached net-zero energy production during the month of February. Trustee Van Buren noted the heating system repair in the Digester 3 control building, mentioned in Maintenance Supervisor Barta's report. He commented on the upcoming bid opening for the outfall sag repair. Lastly, he thanked staff for including the DRSCW newsletter in the Board packet.

Trustee Sejnost also welcomed Jeremy Wang to the Board. She congratulated Mike Hayward on his retirement and Nick Preen on the birth of his son. She inquired about the OSHA training employees have taken and expressed her appreciation for the safety suggestions submitted by staff and the photos of completed projects to improve safety. She expressed her appreciation to General Manager Underwood for her continued involvement in professional organizations that further the wastewater treatment industry. Trustee Senjost commended Safety Coordinator Gwozdz for her work on the District's COVID-19 Preparedness Plan revision. She also expressed her appreciation to Administrative Supervisor Shaw for her detailed memos. She thanked Maintenance Supervisor Barta for the savings to the District presented in his report and noted the pristine condition of the Hobson Lift Station electrical switch gear mentioned in his report. Lastly, she inquired about the Community Funding Project from Congressmen Sean Casten.

Trustee Wang thanked the Board and staff for his welcome to the District as a Trustee.

General Manager Underwood noted the upcoming IAWA mini-conference. She also noted the District was exploring the option of getting a credit card.

A motion was made by Trustee Wang seconded by Trustee Sejnost to adjourn the regular meeting at 7:52 p.m. The motion carried.

Approved: April 19, 2022

President

Attest:

Clerk

Downers Grove, Illinois

Date: April 19, 2022

Claim Ordinance No. 1912

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 **\$914,867.07** being in words and figures as follows:

GENERAL LEDGER RECAP DATE 03/11/22 PERIOD END 02/28/22 PAGE 5

PAGE	

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		51966.94
01-00.2000	FEDERAL TAX WITHHELD		8665.65
01-00.2001	STATE TAX WITHHELD		3743.74
01-00.2002	SOCIAL SECURITY WITHHELD		6201.44
01-00.2003	IMRF WITHHELD		3634.87
01-00.2013	CREDIT UNION WITHHELD		2419.00
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3279.71
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		193.50
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1160.85
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		396.95
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		321.73
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		234.80
01-11.A003	GENERAL MANAGEMENT	796.59	
01-11.A004	FINANCIAL RECORDS	4645.83	
01-11.A005	ADMINISTRATIVE RECORDS	764.10	
01-11.A006	ENGINEERING	169.56	
01-11.A007	CODE ENFORCEMENT	4980.74	
01-11.A008	SAFETY ACTIVITIES	1371.88	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	150.00	
01-12.A006	ENGINEERING	1752.12	
01-12.A011	MAINTENANCE - WWTC	12512.81	
01-12.A014	MAINTENANCE - ELECTRICAL	6876.11	
01-12.A021	WWTC - OPERATIONS	16290.72	
01-12.A022	WWTC - SLUDGE HANDLING	6032.10	
01-12.A023	WWTC - ENERGY RECOVERY	196.82	
01-12.A030	BUILDING AND GROUNDS	3996.33	
01-13.A041	LAB - WWTC	5337.00	
01-13.A048	LAB – ENERGY RECOVERY	306.64	
01-14.A006	ENGINEERING	98.91	
01-14.A051	SEWER MAINTENANCE	7243.54	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	241.25	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1627.64	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	220.65	
01-14.A064	INSPECTION - MISCELLANEOUS	749.34	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1550.83	
01-14.A066	INSPECTION - CODE ENFORCEMENT	3941.20	
01-15.A006	ENGINEERING	240.21	
01-15.A080	LIFT STATION MAINTENANCE	326.26	

 Payroll Ending Date:
 03/05/22

 Payroll Paid Date:
 03/11/22

 GL Date:
 04/30/22

GENERAL LEDGER RECAP

DATE 03/17/22 PERIOD END 03/15/22 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	
01-00.1001	CASH - PAYROLL ACCOUNT		20713.58-
01-00.2000	FEDERAL TAX WITHHELD		3463.07-
01-00.2001	STATE TAX WITHHELD		1471.09-
01-00.2002	SOCIAL SECURITY WITHHELD		2406.37-
01-00.2003	IMRF WITHHELD		1415.52-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1366.79-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		89.50-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		432.75-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		144.90-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		220.29-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	6387.88	
01-11.A004	FINANCIAL RECORDS	2481.45	
01-11.A005	ADMINISTRATIVE RECORDS	214.63	
01-11.A007	CODE ENFORCEMENT	8426.46	
01-12.A006	ENGINEERING	142.83	
01-12.A009	OPERATIONS MANAGEMENT	4522.29	
01-12.A011	MAINTENANCE - WWTC	3385.34	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	55.13	
01-12.A014	MAINTENANCE - ELECTRICAL	110.27	
01-12.A021	WWTC - OPERATIONS	120.08	
01-13.A009	OPERATIONS MANAGEMENT	3872.67	
01-13.A041	LAB - WWTC	90.40	
01-13.A042	LAB - PRETREATMENT	226.72	
01-14.A006	ENGINEERING	214.63	
01-15.A006	ENGINEERING	214.63	
01-15.A009	OPERATIONS MANAGEMENT	1375.51	
		31840.92	31840.92-

Payroll	Ending Date:	03/15/22
Payroll	Paid Date:	03/17/22
GL Date	:	04/30/22

GENERAL LEDGER RECAP

DATE 03/24/22 PERIOD END 03/15/22 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		53460.09-
01-00.2000	FEDERAL TAX WITHHELD		8876.62-
01-00.2001	STATE TAX WITHHELD		3857.19-
01-00.2002	SOCIAL SECURITY WITHHELD		6389.93-
01-00.2003	IMRF WITHHELD		3755.55-
01-00.2013	CREDIT UNION WITHHELD		2419.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3450.79-
01-00.2017	VOLUNTARY GROUP LIFE		208.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		193.50-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1160.85-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		396.95-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		279.81-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		234.80-
01-11.A003	GENERAL MANAGEMENT	565.86	
01-11.A004	FINANCIAL RECORDS	4554.52	
01-11.A005	ADMINISTRATIVE RECORDS	807.14	
01-11.A007	CODE ENFORCEMENT	4933.78	
01-11.A008	SAFETY ACTIVITIES	1356.25	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	75.00	
01-12.A006	ENGINEERING	2091.24	
)1-12.A011	MAINTENANCE - WWTC	16869.83	
01-12.A012	MAINTENANCE - VEHICLES	74.38	
01-12.A014	MAINTENANCE - ELECTRICAL	3421.61	
01-12.A021	WWTC - OPERATIONS	16335.72	
)1-12.A022	WWTC - SLUDGE HANDLING	4073.15	
)1-12.A023	WWTC - ENERGY RECOVERY	348.36	
01-12.A030	BUILDING AND GROUNDS	5151.62	
01-13.A041	LAB - WWTC	5154.05	
01-13.A048	LAB - ENERGY RECOVERY	290.91	
)1-14.A006	ENGINEERING	169.56	
)1-14.A051	SEWER MAINTENANCE	8980.00	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	764.25	
)1-14.A061	INSPECTION - NEW CONSTRUCTION	49.23	
)1-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1713.26	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	417.57	
1-14.A064	INSPECTION - MISCELLANEOUS	727.68	
)1-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1908.58	
)1-14.A066	INSPECTION - CODE ENFORCEMENT	3832.65	
)1-15.A080	LIFT STATION MAINTENANCE	216.88	
		84883.08	84883.08-

 Payroll Ending Date:
 03/19/22

 Payroll Paid Date:
 03/25/22

 GL Date:
 04/30/22

GENERAL LEDGER RECAP DATE 04/04/22 PERIOD END 03/31/22 PAGE 4

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G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		20654.59-
01-00.2000	FEDERAL TAX WITHHELD		3461.03-
01-00.2001	STATE TAX WITHHELD		1470.72-
01-00.2002	SOCIAL SECURITY WITHHELD		2405.77-
01-00.2003	IMRF WITHHELD		1415.18-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1365.08-
01-00.2017	VOLUNTARY GROUP LIFE		64.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		89.50-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		432.75-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		144.90-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		220.35-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A003	GENERAL MANAGEMENT	7915.63	
01-11.A004	FINANCIAL RECORDS	524.44	
01-11.A005	ADMINISTRATIVE RECORDS	272.82	
01-11.A007	CODE ENFORCEMENT	8244.32	
01-12.A006	ENGINEERING	886.48	
01-12.A009	OPERATIONS MANAGEMENT	4123.93	
01-12.A011	MAINTENANCE - WWTC	3762.57	
01-12.A014	MAINTENANCE - ELECTRICAL	300.11	
01-12.A021	WWTC - OPERATIONS	267.53	
01-12.A030	BUILDING AND GROUNDS	175.06	
01-13.A009	OPERATIONS MANAGEMENT	3830.62	
01-13.A042	LAB - PRETREATMENT	272.16	
01-13.A043	LAB - SURCHARGE PROGRAM	87.02	
01-14.A006	ENGINEERING	170.80	
01-14.A072	SEWER INVESTIGATIONS	182.14	
01-15.A009	OPERATIONS MANAGEMENT	500.18	
01-15.A030	BUILDING AND GROUNDS	125.05	
01-15.A080	LIFT STATION MAINTENANCE	200.07	

Payroll Ending Date:	03/31/22
Payroll Paid Date:	04/04/22
GL Date:	04/30/22

31840.93 31840.93-

DATE 04/08/22 PERIOD END 04/02/22 PAGE 5

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		59060.12
01-00.2000	FEDERAL TAX WITHHELD		10277.11
01-00.2001	STATE TAX WITHHELD		4278.88
01-00.2002	SOCIAL SECURITY WITHHELD		7076.06
01-00.2003	IMRF WITHHELD		4147.72
01-00.2013	CREDIT UNION WITHHELD		2419.00
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3882.70
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		193.50
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		1160.85
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		396.95
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		524.22
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		200.00
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		234.80
01-11.A003	GENERAL MANAGEMENT	791.41	
01-11.A004	FINANCIAL RECORDS	4795.50	
01-11.A005	ADMINISTRATIVE RECORDS	973.80	
01-11.A007	CODE ENFORCEMENT	6178.78	
01-11.A008	SAFETY ACTIVITIES	1508.64	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	75.00	
01-12.A006	ENGINEERING	1754.19	
01-12.A011	MAINTENANCE - WWTC	13849.33	
01-12.A014	MAINTENANCE - ELECTRICAL	7448.46	
01-12.A021	WWTC - OPERATIONS	22536.91	
01-12.A022	WWTC - SLUDGE HANDLING	4893.50	
01-12.A023	WWTC - ENERGY RECOVERY	288.11	
01-12.A030	BUILDING AND GROUNDS	2887.68	
01-13.A041	LAB - WWTC	6411.85	
01-13.A048	LAB - ENERGY RECOVERY	199.62	
01-14.A006	ENGINEERING	632.73	
01-14.A051	SEWER MAINTENANCE	10030.80	
01-14.A054		743.69	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1810.19	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	271.34	
01-14.A064	INSPECTION - MISCELLANEOUS	1282.56	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1211.10	
01-14.A066		2880.47	
	ENGINEERING	60.62	
	LIFT STATION MAINTENANCE	335.63	
		02051 01	02051 01

93851.91 93851.91-

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/19/22

========== VENDOR ======								
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
ABILITY WELDING SERVICE, INC	A000062	03/25/22	86566	01-12.B505	PUMP 3 RS IMPEL REPAIR	75.00	75.00	103955
A-FORMULA MECHANICAL CORP	A000065	04/06/22	42999	01-12.B805	WWTC GER THRM MAINT	220.53		
		04/06/22	42999	01-12.B812	WWTC GEO THERM MAINT	882.08	1102.61	103898
AT & T MOBILITY	A000085	03/03/22	831873915	01-15.B112	LS CELL DIALER	54.58		
		04/03/22	83187391501	01-15.B112	LS CELL DIALER	59.31	113.89	063481
ACI Payments Inc.	A000096	03/18/22	100067198	01-11.B110	OLR FEES	29.90	29.90	103899
ADVOCATE OCCUPATIONAL HEALTH	A000150	03/01/22	818040	01-12.B117	DRUG SCREEN	89.00		
		04/04/22	822647	01-12.B117	WWTC DRUG SCREEN	27.00	116.00	063482
LTORFER INDUSTRIES, INC.	A000292	03/23/22	PM6A0007558	01-12.B513	WWTC EMERGEN 3	1864.00		
		03/23/22	PM6A0007560	01-15.B527	VENARD STAT GEN PM	1069.00		
		03/23/22	PM6A0007561	01-12.B513	WWTC EMERGEN 2	1861.00		
		03/24/22	PM6A0007576	01-15.B529		1385.00		
			PM6A0007662	01-15.B520		168.00		
			PM6A0007672		HOBSON LS PM	1648.00		
			PM6A0007704		BUTTERFIELD LS PM	1785.00		
			PM6A0007719		COLLEGE LS PM	1069.00		
			PM6A0007720		WROBLE LS PM	1069.00		
			PM6A0007783	01-15.B526		1538.00		
			PM6A0007792		CENTEX LS PM			
			PM6A0008004		HOB LS TRANS SWITCH INSP			
			PM6A0008006		PORTABLE GEN PM	1782.00		
			PM6A0008008		PORTABLE GEN PM	1782.00		
			PM6A0008010		EARLSTON LS TRANS SWITCH			
			PM6A0008010		LB PARK LS PM	944.00		
			PMGA0007559		WWTC EMRGEN 1	1864.00	21607.00	10390
VNCUD / AMA 7ON	A000295		384837383454		CARABINER CLIPS	7.99	21007.00	10390
YNCHB/AMAZON	A000295							
			437768733894		OPS SUPPLIES	76.37		
			438676367946		ADMIN TV KEYBOARD	27.99		
			439889849684		DESKTOP SCANNER	279.99		
			445548346433		BLEED CONTROL STICKERS			
			445548346433		WORK GEAR/KEYBOARD	131.99		
			467794634743		SECURITY SERVER FAN	57.65		
			468958967496		COMP MOUSE/HDMI	18.88		
					T HANDLES LOCK	26.29		
					ADMIN PICTURE FRAMES	19.26		
					ADMIN MASK DISPENSER	34.99		
					ROCK N RES GRAND ROPE			
					WIRELESS MOUSE(S)			
					OPS SUPPLIES			
			638358843884			91.49		
		04/11/22	693493945639	01-11.B116	ADMIN BAR CODE SCANNER	19.99		
		04/06/22	697399945546	01-14.B117	SS OUTERWEAR	159.95		
		03/17/22	698846948699	01-11.B112	ADMIN PHONE CASE	35.86		
			740207544650	01 11 0110	CALCIIIATOR	109.99		
		03/08/22	748397544658	01-11.8110	CALCULATOR	109.99		
					SS OUTWEAR	109.99		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/19/22

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/11/22	758338994483	01-12.B116	RAINCOAT	13.99		
		03/30/22	779776835585	01-12.B117	NW BOOTS	284.95		
		03/07/22	793445649934	01-12.B117	AC BOOTS	244.95		
		03/18/22	846677395758	01-12.B812	WWTC INDOOR LIGHTING	99.00		
		03/09/22	883764898585	01-12.B116	OPS SUPPLIES	38.00		
		03/25/22	897666638874	01-14.B117	AH OUTERWEAR	149.95		
		04/01/22	937488956473	01-14.B117	SS REFUND OA	37.99-		
		03/22/22	954956453588	01-14.B116	DUST COVER FOR T HANDLES	15.30		
		04/10/22	959344789494	01-11.B115	KEYBOARD & MOUSE	27.99		
		04/10/22	959344789494	01-11.B116	CHAIR	76.98		
		04/10/22	959344789494	01-15.B529	PORT GEN BATTERY CHARGER	224.95		
		01/26/22	996653485543	01-11.B113	ADMIN REFLECT TAPE	35.99	2717.39	063483
AMERICLAIM INC.	A000305	04/12/22	1364146	01-14.B129	BURP CLAIM ADJUSTER	243.00		
		04/12/22	1364168	01-14.B129	BURP CLAIM ADJUSTER	247.00	490.00	063484
ASSP-DUES	A000325	03/22/22	1001808331	01-11.B137	RENEWAL DUES	230.00	230.00	063532
APPLIED IND. TECHNOLOGIES	A000440	03/09/22	7023725850	01-12.B506	PRIM 7&9 NEW CROSS COLL	10614.45	10614.45	103901
ATLAS BOBCAT, INC.	A000520	04/06/22	BY0806	01-12.B512	ROAD SWEEPER REPAIR	911.74	911.74	103902
AUTOZONE - AZ COMMERCIAL	A000600	03/23/22	2576036121	01-13.C225	AUTO PARTS	154.52		
		03/23/22	2576036350	01-13.C225	AUTO PARTS	14.99		
		10/26/21	2576937536	01-12.C225	AUTO PARTS	165.09		
		12/03/21	2576965630	01-12.C225	RETURNED BATTERY	22.00-	312.60	063485
Oscar Avila	A000610	03/29/22	032922	01-14.B117	TRAINING	220.07	220.07	103956
BAXTER & WOODMAN, INC.	B000120	03/18/22	022349	01-14.B901	CURTISS ST CIPP LINING	3236.25		
		03/18/22	0232643	01-14.B902	OUTFALL SEW SAG REPAIR	560.00		
		03/18/22	0232651	01-11.B124	MISC ENGINEERING	2085.00		
		03/18/22	0232653	01-12.B812	WWTC&LS CODE REVIEW	155.00	6036.25	103903
Brimar Industries	B000337	03/21/22	1176510	01-11.B113	NO WEAPONS LABELS	384.51	384.51	063486
BUMPER TO BUMPER WHEATON	B000460	03/09/22	470179255	01-12.B116	BRAKE CLEAN	156.96		
		04/06/22	470180182	01-12.B116	WWTC SUPPLIES	217.32	374.28	063533
CHAMBER630	C000170	03/18/22	73816	01-11.B137	MEMBERSHIP	300.00	300.00	063487
CINTAS #344	C000300	03/15/22	4113470175	01-12.B117	WWTC UNIFORMS	77.20		
		03/15/22	4113470175	01-14.B117	SS UNIFORMS	13.09		
		03/22/22	4114201886	01-12.B117	WWTC UNIFORMS	77.20		
		03/22/22	4114201886	01-14.B117	SS UNIFORMS	13.09		
		03/29/22	4114829422	01-12.B117	WWTC UNIFORMS	121.28		
		03/29/22	4114829422	01-14.B117	SS UNIFORMS	13.09		
		04/12/22	4116238264	01-12.B117	WWTC UNIFORMS	94.75		
		04/12/22	4116238264	01-14.B117	SS UNIFORMS	18.09		
		04/05/22	415544512	01-12.B117	WWTC UNIFORMS	94.25		
		04/05/22	415544512	01-14.B117	SS UNIFORMS	18.08	540.12	063488
CINTAS FIRST AID & SAFETY	C000320	04/06/22	5102813404	01-11.B113	FIRST AID	272.39	272.39	063489
CLOVERLEAF TOOL CO	C000335	03/24/22	52584	01-14.B115	8" SPIRAL BLADE	457.37	457.37	103904
COLE-PARMER	C000345	03/08/22	3034383	01-13.B116	BEAKERS	97.22	97.22	063490
COLLEY ELEVATOR CO.	C000370	02/28/22	223903	01-12.B113	FIRE MARSHALL TESTING	1048.00	1048.00	103905
COMCAST	C000373	04/03/22	1200550568	01-11.B112	INTERNET BACKUP SERVICE	104.90	104.90	063491

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
COMED	C000380	03/17/22	0055025057	01-15.B100	COLLEGE LS ELECTRIC	658.11		
		03/16/22	0068029014	01-15.B100	CENTEX LS ELECTRIC	131.70		
		03/16/22	0120089072	01-15.B100	WROBLE LS ELECTRIC	782.94		
		03/17/22	0458029046	01-15.B100	LIB PARK LS ELECTRIC	660.78		
		03/16/22	1095091170	01-15.B100	NW LS ELECTRIC	1450.24		
		03/02/22	1108062005	01-11.B100	ADMIN ELECTRIC	94.29		
		03/02/22	1108062005	01-12.B100	WWTC ELECTRIC	1156.93		
		03/17/22	1810068039	01-15.B100	EARLSTON LS ELECTRIC	470.43		
		03/23/22	2562080004	01-15.B100	VENARD LS ELECTRIC	985.83		
		03/16/22	3240038012	01-15.B100	BUTTERFIELD LS ELECTRIC	183.49		
		03/17/22	4657083017	01-15.B100	HOBSON LS ELECTRIC	3642.72		
		03/25/22	6770572011	01-00.2005	UNO CONST YARD ELECTRIC	207.58		
		03/25/22	6770572011	01-12.B100	5006 WALNUT ELECTRIC	83.68		
		03/25/22	9762083052	01-12.B100	BIG TOP ELECTRIC	63.83	10572.55	063493
COMPASS MINERALS	C000399	03/08/22	969834	01-12.B401	SOLAR SALT DELIVERY	4583.16		
		03/16/22	975323	01-12.B401		4821.56	9404.72	063494
CONCENTRIC INTEGRATION, LLC	C000410	03/18/22	0232645	01-11.B115	2021-2022 SUPPT SERV	1059.96		
		03/18/22	0232645	01-12.B513	2021-2022 SUPPT SERV	2152.04		
		03/18/22	0232647	01-12.B513		513.00		
			0232647		LS AS BUILT DWGS	1372.75		
		03/18/22			LS AS BUILT DWGS	2183.82	7281.57	103906
CORE & MAIN LP	C000485	04/11/22			REPAIR CLAMP	1234.86	/201.5/	105500
CORE & PIATN IF	000405	03/11/22			EXCESS TANK VALVE T NUTS	99.00		
		03/11/22			EXCESS TANK VALVE I NOTS	972.00		
							2221 76	062405
COMPANY NODELL MEDICA INC	0000557	03/22/22		01-12.B503		74.10-	2231.76	063495
COVERALL NORTH AMERICA, INC	C000557		1010684387	01-12.B812		304.00		
			1010684387	01-13.B116	LAB CLEANING SERVICE	157.00		10000
			1010694389	01-11.B118	ADMIN CLEANING SERVICE	429.00	890.00	103907
CUMMINS, INC.	C000650	02/10/20		01-14.C225	VACCON MAINT & SERV	1490.78	1490.78	063496
CURTIS MARTIN GROUP, INC.	C000660		8331		CITY INSIGHT PROJECT	776.25		
			8336		CITY INSIGHT PROJECT	175.00		
		04/04/22			IT ACCTS SYS	240.00		
		04/11/22	8355	01-11.B115	ADMIN NEW EMPL SET UP	295.00	1486.25	103908
DELTA INDUSTRIES, INC.	D000210	03/22/22	176970	01-12.8513	MSB AIR COMPRESS PM	1388.39		
		03/29/22	177171	01-12.B512	COMPRESSOR MAINTENANCE	1229.88	2618.27	103909
DELTA SONIC	D000220	04/01/22	10512366	01-11.C225	ADMIN CAR WASH	16.66		
		04/01/22	10512366	01-12.C225	WWTC CAR WASH	24.99		
		04/01/22	10512366	01-14.C225	SS CAR WASH	49.98	91.63	063497
VILLAGE OF DOWNERS GROVE	D000480	03/15/22	177320	01-11.B121	METER READS	424.04	424.04	063498
DRYDON EQUIPMENT INC.	D000540	03/08/22	17522	01-12.B509	POLYMER SYS PARTS	480.69	480.69	103910
DUPAGE COUNTY RECORDER	D000620	03/14/22	40406480	01-11.B121	LIEN RELEASES	12.00		
		03/24/22	9861/9845	01-11.B124	CONSTRUCTION DOCS	342.00		
		03/24/22	9861/9845	01-14.B910	BSSRAP DOCS	1793.00	2147.00	063499
EJ EQUIPMENT, INC.	E000030	04/12/22	P06572	01-14.B115	VAC-CON PARTS	47.53	47.53	063500
EXODUS TECHNOLOGY SERVICE	E000480	04/01/22	22133	01-11.B124	MARCH IT SUPPORT	3697.50	3697.50	063501
EYE MED VISION CARE	E000600	04/01/22	165214370	01-17.E455	VISION INSURANCE	472.59	472.59	063502



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JAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK 1
EDEX KINKO'S	F000075	04/04/22	361300024094	01-13.B116	COIL MIXED COVERS	4.99	4.99	063503
EECE OIL CO.	F000085	04/05/22	3868974	01-15.B104	FUEL	4298.43	4298.43	063504
IRST ADVANTAGE	F000130	03/31/22	2501592203	01-12.B117	DRUG SCREENING	29.13	29.13	10391
IRST ENVIRONMENTAL LAB	F000140	03/09/22	166690	01-13.B123	BIOSOLIDS ANALYSIS	229.20		
		03/16/22	166842	01-13.B123	BIOSOLIDS SAMPLES	265.20	494.40	10391
OLF FLECHSIG	F000165	03/02/22	REIMBURSE	01-12.B117	BOOTS	285.12	285.12	10391
ULLIFE LLC	F000440	02/24/22	66732	01-11.B117	ADMIN EMPLY OUTERWEAR	105.98		
		02/24/22	66732	01-12.B117	WWTC EMPLY OUTERWEAR	544.18		
		02/24/22	66732	01-13.B117	LAB EMPLY OUTERWEAR	209.00	859.16	06350
COOPER OIL COMPANY INC.	G000005	03/31/22	34397	01-12.B116	LUBRICANTS	1220.13		
		03/01/22	35651	01-12.B507	LUBRICANTS	128.61		
		03/29/22	777161	01-12.B104	FUEL - GENERATORS	4593.54	5942.28	06350
alco Industrial Electronics	, IG000122	04/12/22	AL6374501	01-15.B524	HOBSON SWITCH GEAR RELAY	307.95	307.95	06353
. W. GRAINGER, INC.			6241205724	01-12.B512		40.37		
			8262502439	01-15.B524		94.36		
			9235192961	01-14.B116		38.14		
			9236746492		SEE SHEETS	14.00		
			9237339669			35.62		
			9237625059			12.36		
			9237625067			152.05		
			9241574442			20.28		
			9241574459			118.92		
			9244503554			223.20		
			9244506227	01-12.B113		223.20		
			9244775921	01-12.B503		29.71		
			9245430005	01-12.B512		110.26		
			9247103329	01-12.B512		15.06		
			9251943040	01-12.B810		107.08		
			9252937116	01-12.B116		119.90		
			9253335641			780.25		
			9253335641			55.99		
			9253548862	01-12.B116		173.06		
			9254838148					
			9254838148	01-12.B503		48.16 144.40		
			9255553498	01-12.B512				
						148.67 26.39		
			9255912314					
			9257523960	01-15.B529		12.47		
			9257583097			303.48		
			9259044122			11.43		
			9259044148			72.66		
			9260145603			33.94		
			9260429494			31.96		
			9263396401			13.76		
			9263633985			90.10		
		03/31/22	9263928260	01-15.B526	SEE SHEET	13.41		
		03/31/22	9264378929	01-14.B116	SEE SHEET	63.71		

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/01/22	9265465097	01-12.B512	SEE SHEET	3.28		
			9266578872	01-12.B512		56.52		
			9268055176	01-15.B526		1.49	3439.64	103914
W. W. GRAINGER, INC.	G000520		9268055184	01-12.B812		246.80	5155.01	105911
	0000010		9268166502	01-12.B502		53.19		
			9269287166	01-12.B512		10.64		
			9270776017	01-12.B510		11.77		
			9271308760	01-14.B116		17.85		
		04/07/22	9271308786	01-14.B116		23.62		
			9272124836	01-12.B503		3.67		
			9274512343	01-12.B812		16.29		
			9274512350	01-12.B116		56.85		
			9277096708	01-12.B113		1078.60		
			9278646485	01-13.B114		93.25	1612.53	103915
JESSICA GWOZDZ	G000630		REIMBURSE		MILEAGE FOR TRAINING	18.56	18.56	103916
HML, INC.	нооооз5	04/05/22			BIOSOLIDS TESTING	1000.00	1000.00	063507
HACH COMPANY	H000040		12954869		LAB EOT 3 YR SERV AGR	29640.30	29640.30	103917
ALAN HARTIGAN	H000144		REIMBURSE	01-14.B117	~	161.42	161.42	103918
HOME DEPOT	H000400	03/15/22		01-11.B115		49.94		
	11000100	04/04/22		01-12.B503		25.96		
		03/04/22		01-13.B116		7.98		
		04/13/22		01-14.B115		41.51		
		03/22/22		01-12.B116		9.48		
		04/01/22		01-12.B807		37.55		
		04/01/22		01-14.B116		39.44		
		03/21/22		01-12.B501		26.84		
		03/30/22		01-12.B116		75.73		
		03/09/22		01-12.B812		59.80		
		04/08/22		01-12.B116		97.71	471.94	063508
IDEA MARKETING GROUP	1000030	04/01/22		01-11.B115		95.00	95.00	063509
IL ENV PROTECTION AGENCY	1000260	03/15/22			LOAN REPAYMENT	90795.59	90795.59	103919
IMPACT NETWORKING INC.	1000400	03/21/22		01-11.B115		77.00		
		03/25/22			COPIER PAPER	239.75	316.75	103920
INFOSEND, INC.	1000415	03/31/22			CUST BILL MAILINGS MARCH	3988.76	3988.76	103921
ISTHA	1000470		G12700000586	01-11.C225	ADMIN TOLL EXPENSE	87.45		
		04/07/22	G12700000586	01-12.C225	WWTC TOLL EXPENSE	175.80		
		04/07/22	G12700000586	01-13.C225	LAB TOLL EXPENSE	6.95		
		04/07/22	G12700000586	01-14.C225	SS TOLL EXPENSE	69.80	340.00	063535
JC CROSS COMPANY	J000012	04/13/22	65576	01-12.B510	REPAIR DIGEST MIXING SYS	7157.00	7157.00	063510
KANSAS CITY LIFE INSURANCE CO		05/01/22			LIFE INSURANCE	386.98	386.98	103922
KARA COMPANY INC.	K000053	03/22/22			WIRE FLAGS	123.05	123.05	103923
KOMLINE-SANDERSON	K000230		42052145	01-12.B509	BELT PRESS ROLL BEARINGS	1263.90	1263.90	103924
LIBERTY MUTUAL INSURANCE CO	L000026	03/07/22	999163247	01-17.E452	BOND INSURANCE JMW	100.00	100.00	063536
LIFELINK EMS	L000240	03/22/22	32522	01-11.B113	STOP THE BLEED KITS	600.00	600.00	103957
MAGNETROL INTERNATIONAL INC.	M000101	03/09/22	0910243	01-12.B502	B SALT STRG TANK LVL MTR	1314.59		
		03/15/22	0910456	01-12.B510	METHANE GAS FLOW METER	3245.12	4559.71	063537

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MAGNUM ELECTRONICS, INC.	M000102	03/17/22	202202472	01-12.B113	RADIO HEADSETS	2907.88	2907.88	063511
MARCOTT ENTERPRISES, INC.	M000115	03/25/22	21742	01-12.8509	SAND	869.89	869.89	103925
MCMASTER-CARR SUPPLY COMPANY	M000360	02/22/22	73441836	01-12.B512	ITEM TO RETURN	26.92		
		03/04/22	74078944	01-12.8505	R/S PUMP 3 RING PARTS	142.85		
		03/10/22	74426692	01-12.B512	HEAV DT POW CORD REEL MSB	228.00		
		03/10/22	74437982	01-12.8506	PRIM 3&4 CROS COL PARTS	85.04		
		03/10/22	74443334	01-12.B812	WWTC MAIN GATE DR CHN REP	245.10		
		03/11/22	74467495	01-12.B512	RETURN CREDIT	26.92-		
		03/18/22	74938963	01-12.B512	DRILL BITS	40.01		
		03/30/22	75580264	01-12.B510	ROOF MOUNT ACCESS LADDER	976.64	1717.64	103926
MICHAEL G PHILIPP, PC	M000510	03/07/22	1470	01-11.B124	LEGAL SERVICES	420.00		
		04/05/22	1485	01-11.B124	LEGAL SERVICES	1545.00	1965.00	063512
MOTION INDUSTRIES, INC.	M000750	03/24/22	IL1000731665	01-12.B505	RAW SEWAGE PUMP 5 PARTS	1051.53		
		03/11/22	IL1000737103	01-12.B503	EXCESS CLARIFIER RACKS	3339.00	4390.53	103927
NCPERS GROUP LIFE INSURANCE	N000010	03/02/22	3266042022	01-17.E455	LIFE INSURANCE	544.00	544.00	103928
NALCO WATER PRETREATMENT	N000030	03/25/22	2620930	01-13.B115	LAB DEIONIZER RENT QTR 1	28.50		
		03/25/22	2620931	01-13.B115	LAB DEIONIZER RENT QTR 1	129.00		
		04/01/22	2622284	01-13.B115	LAB DEIONIZER RENT QTR 2	129.00	286.50	103929
NAPA AUTO PARTS	N000040	03/04/22	4343767659	01-12.B116	GREASE GUN GART RIDGES	62.90	62.90	063513
NAPCO STEEL, INC.	N000050	03/04/22	455856	01-12.B503	EXC: BRDG SS PLATES	864.00	864.00	103930
NEW YORK BLOWER COMPANY	N000263	03/17/22	7666962	01-15.B824	HOBSON LS BIO FIL BLO FAN	1886.00		
		03/25/22	7667782	01-15.B824	FREIGHT	144.28	2030.28	063514
NICOR GAS	N000330	03/17/22	15876210004	01-12.B101	PLANT 1 GAS	566.23		
		03/17/22	44976210003	01-12.B101	CHEM FEED GAS	557.21		
		03/17/22	51006900008	01-12.B101	PLANT 2 GAS	330.11		
		03/17/22	54976210002	01-11.B101	ADMIN CENTER GAS	366.28		
		03/17/22	87801017812	01-12.B101	WALNUT HOUSE GAS	351.54	2171.37	063515
NISSEN ENERGY INC	N000350	03/18/22	268	01-12.B513	CHP PARTS FOR STOCK	1929.46	1929.46	103931
PACE ANALYTICAL	P000010	03/16/22	2240113726	01-13.B123	MARCH NPDES TESTING	115.00	115.00	103932
PACKEY WEBB FORD	P000020	03/11/22	001501	01-13.C225	VEHICLE REPAIR	666.24	666.24	103933
PEERLESS NETWORK, INC	P000175	03/15/22	507321	01-11.B112	ADMIN UTILITIES	353.15		
		03/15/22	507321	01-12.B112	WWTC UTILITIES	743.54		
		04/15/22	516475	01-11.B112	ADMIN UTILITIES	363.66		
		04/15/22	516475	01-12.B112	WWTC UTILITIES	742.05	2202.40	103934
PETTY CASH	P000350	04/11/22	CASH BOX	01-11.B116	ADMIN SUPPLIES	.10-		
		04/11/22	CASH BOX	01-11.B119	ADMIN SUPPLIES	5.34		
		04/11/22	CASH BOX	01-12.B116	WWTC SUPPLIES	111.36		
		04/11/22	CASH BOX	01-13.B116	LAB SUPPLIES	21.10	137.70	063516
PIRTEK O'HARE	P000380	03/10/22	BOT00008352	01-12.B501	REPLACE MUD HOSE FOR TRAC	171.76		
		04/01/22	BOT00008661	01-12.B508	POLYMER SYS HOSE	347.11	518.87	063517
POLYDYNE INC.	P000395	03/31/22	1628706	01-12.B402	BELT PRESS POLYMER	2515.14		
		04/08/22	1631267	01-12.B402	BELT PRESS POLYMER	3074.04	5589.18	103935
PORTABLE JOHN, INC	P000410	03/30/22	262398	01-12.B812	WWTC PORT A POTTY	173.89	173.89	103936
POSTMASTER, DOWNERS GROVE	P000450	04/01/22	1412	01-11.B121	PO BOX RENEWAL	1340.00	1340.00	063518
NICHOLAS PREEN	P000640	03/26/22	REIMBURSE	01-12.B117	SAFETY SHOE NP	184.44	184.44	103937
RED WING SHOE STORE	R000180	04/10/22	0410015408	01-12.B117	SAFETY BOOTS CP	293.24		

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/19/22

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NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/10/22	202204100154	01-12.B117	TUFF TOE FOR BOOTS CP	36.99		
		04/10/22	202220410015	01-11.B117	SAFETY BOOTS AB	186.99		
		03/16/22	451114780	01-14.B117	SAFETY BOOTS OA	229.49	746.71	103938
MARCO RENDON	R000230	02/02/22	REIMBURSE	01-12.B117	SAFETY GLASSES	150.00	150.00	063519
RENTALMAX ADMINISTRATION	R000250	03/28/22	52091625	01-12.B116	FUEL FILL KIT	21.99	21.99	063538
Republic Services #551	R000264	03/15/22	551015374131	01-12.B102	GRIT SCREEN DUMPSTER RENT	72.36		
-		03/31/22	551015399229	01-12.B102	GRIT SCREEN DUMPSTER	827.98	900.34	063520
ROWELL CHEMICAL CORPORATION	R000400	02/22/22	1363657	01-12.B404	SODIUM HYPOCHLORITE	6262.00	6262.00	103939
SAFETY-KLEEN SYSTEMS, INC.	S000050		88351418	01-12.B116	WWTC SUPPLIES	332.42	332.42	103940
SEAWAY SUPPLY CO.	S000200		17964801	01-12.B512	MAINT REPAIR SUPPLIES	67.76		
		03/09/22		01-12.B116	MSB SUPPLIES	153.38		
		03/16/22		01-12.B116	MSB SUPPLIES	93.50		
			180845	01-12.B116	MSB SUPPLIES	416.19		
			18084501	01-12.B116	MSB SUPPLIES	89.89		
		04/12/22		01-12.B116	MSB SUPPLIES	148.90	969.62	103941
CARLY SHAW	S000305		REIMBURSE	01 12.B110 01-14.B117	OA HOTEL CONF	227.94	227.94	103942
SHERWIN-WILLIAMS CO.	S000320		17874	01-12.B506	PAINT AND SUPPLIES	200.11	227.94	103942
SHERWIN-WILLIAMS CO.	3000320		56538	01-12.BJ00	PAINT AND SUPPLIES	129.16		
					PAINT SUPPLIES	16.13		
		03/10/22					515 00	102042
	G000200	04/11/22	CHUCK	01-12.B506	PAINT	172.52	517.92	103943
SIGNS NOW	S000390	03/24/22	SN19559831	01-15.B828	ADD LABELS WROBLE SIGN	216.00	216.00	063521
SMARTSIGN	S000432	03/03/22	SMT473240	01-11.B113	TUNNEL SIGNS	383.84	383.84	063522
SMITH ECOLOGICAL SYSTEMS INC.	S000437	03/18/22	23751	01-12.B502	WWTC SUPPLIES	110.44	110.44	063523
SOLENIS LLC	S000450		131978308	01-12.8402	WAS THICKENER POLYMER	2928.24	2928.24	103944
STAPLES INC.	S000640		3498826379	01-12.B116	INK CARTRIDGE	46.36		
		02/22/22	3501280375	01-11.B116	HAND SOAP	39.60		
		02/09/22	3501280377	01-11.B116	ADMIN SUPPLIES	34.21		
		02/11/22	3501280378	01-12.B116	TONER	160.66		
		02/21/22	3501280379	01-11.B116	PAPER TOWELS	49.94		
		03/01/22	3504497052	01-12.B116	INK CARTRIDGES	72.97	403.74	103945
STEPHENS PLUMBING AND	S000680	03/10/22	244512	01-14.8910	STUB SHEAR REPAIR	387.75		
		03/14/22	244622	01-14.B910	SHEAR REPAIR	466.50	854.25	063524
SUBURBAN DOOR CHECK & LOCK	S000850	03/18/22	IN546221	01-12.B116	KEY	6.00		
		04/04/22	IN546677	01-12.B116	PADLOCK	28.44		
		04/04/22	IN546677	01-15.B116	PADLOCKS	126.06	160.50	103946
SUBURBAN LIFE PUBLICATIONS	S000867	03/31/22	10071278	01-11.B124	ORDINANCE PUBLICATION	902.76	902.76	063525
TERRACE SUPPLY COMPANY	T000250	03/31/22	01034895	01-12.B116	CYLINDER RENTALS	55.80		
		03/16/22	70526513	01-12.B116	CYLINDER RENTAL	102.63	158.43	103947
TRANSCHICAGO TRUCK GROUP	T000420	03/21/22	X10110071301	01-14.C225	VACCON PARTS	132.06	132.06	063526
USABLUEBOOK	U000150	03/08/22	903557	01-13.B114	LAB CHEMICALS	89.45		
		03/17/22	914931	01-12.B116	SKIMMING NET	161.23		
		03/23/22	921153	01-13.B114	LAB SUPPLIES	429.69		
		03/23/22	921153	01-13.B116	LAB SUPPLIES	352.98	1033.35	063527
UNDERCUTTERS	U000190	04/01/22	PLANT	01-12.B812	TREE TRIMMING	3300.00	3300.00	063528
UNO CONSTRUCTION CO., INC.	U000450	03/09/22	030922	01-14.B910	BSSRAP PROJECT	55302.65	55302.65	103948

01 GENERAL FUND STANDARD CHECK REGISTER FOR 04/19/22

====== VENDOR =====		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/28/22	9902937579	01-12.B112	WWTC WIRELESS	930.88		
		03/28/22	9902937579	01-13.B112	LAB WIRELESS	148.29		
		03/28/22	9902937579	01-14.B112	SS WIRELESS	536.17		
		03/28/22	9902937579	01-15.B112	LS WIRELESS	274.16		
		04/01/22	9903101773	01-12.B112	WWTC TABLETS	935.63		
		04/01/22	9903101773	01-14.B112	SS TABLETS	87.48		
		04/01/22	9903101773	01-15.B112	LS TABLETS	36.01	3206.06	063529
Joseph T. Vitti, Jr.	V000210	04/07/22	REIMBURSE	01-14.B128	REIMBURSE - O/H SEWER	3000.00	3000.00	063539
VOGELSANG	V000300	03/16/22	50012094	01-12.B506	PS GRINDER WEAR PARTS	2450.90	2450.90	103949
WAGNER COMMUNICATIONS, INC	W000070	04/01/22	220400286	01-11.B112	ANSWERING SERV	363.10	363.10	103950
WASTE MANAGEMENT	W000170	03/31/22	003946647199	01-12.B102	GARBAGE/RECYCLE	396.86	396.86	063540
WESTFAX	W000350	04/01/22	1390566	01-11.B112	EFAX SERVICE	8.99	8.99	103951
WEST SIDE TRACTOR SALES CO.	W000380	03/07/22	N19418	01-12.B501	SEAL KIT AUGER	139.68		
		03/07/22	N19420	01-12.B501	LOADER FUEL FILTERS	138.91		
		03/11/22	N19680	01-12.B501	LOADER FILTER KIT	114.48		
		03/18/22	N20021	01-12.B501	GREY SPRAY PAINT	18.38		
		03/25/22	N20375	01-12.B501	LOADER COOLANT HEAT/CORD	184.36		
		03/28/22	N20429	01-12.B501	JD LOADER FILTER KIT	233.54		
		03/28/22	N20430	01-12.B501	RETURN PART	233.54-		
		03/28/22	N20431	01-12.B501	JD LOADER PARTS	1096.56		
		04/01/22	N20657	01-12.B501	RETURN PART	150.00-	1542.37	063530
VILLAGE OF WESTMONT	W000450	03/23/22	717468	01-11.B121	METER READING	370.01	370.01	063531
					Total Payments:	368636.01	368636.01	
					ACH Payments Total:	278381.63	.00	
				Ch	eck Payments Total:	90254.38	368636.01	

01 GENERAL FUND MANUAL CHECK REGISTER FOR 04/19/22

======= VENDOR ======		===== IN	WOICE ======					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
CHASE	B000050	03/16/22	PR 03/05/22	01-00.2000	Federal Taxes	8665.65		
		03/16/22	PR 03/05/22	01-00.2002	Empl Soc Sec Tax	6201.44		
		03/16/22	PR 03/05/22	01-17.E461	Emplr Soc Sec Tax	6201.48	21068.57	103874
CHASE	B000050	03/18/22	SPR 03/15/22	01-00.2000	Federal Taxes	3463.07		
		03/18/22	SPR 03/15/22	01-00.2002	Empl Soc Sec Tax	2406.37		
		03/18/22	SPR 03/15/22	01-17.E461	Emplr Soc Sec Tax	2406.39	8275.83	103877
CHASE	B000050	03/28/22	PR 03/19/22	01-00.2000	Federal Taxes	8876.62		
		03/28/22	PR 03/19/22	01-00.2002	Empl Soc Sec Tax	6389.93		
		03/28/22	PR 03/19/22	01-17.E461	Emplr Soc Sec Tax	6389.96	21656.51	103881
CHASE	B000050	04/06/22	SPR 033122	01-00.2000	FED TAX	3461.03		
		04/06/22	SPR 033122	01-00.2002	EMPL SOC SEC TAX	2405.77		
		04/06/22	SPR 033122	01-17.E461	EMPLR SOC TAX	2405.81	8272.61	103887
CHASE	B000050	04/12/22	PR040222	01-00.2000	FED TAX	10277.11		
		04/12/22	PR040222	01-00.2002	EMPL SOC SEC TAX	7076.06		
		04/12/22	PR040222	01-17.E461	EMPLR SOC SEC TAX	7076.07	24429.24	103891
CSWEA	C000060	04/08/22	CSWEA95AM	01-11.B117	ARU REGISTRATION	300.00		
		04/08/22	CSWEA95AM	01-14.B117	RPS REGISTRATION	300.00	600.00	063480
D.G. SANIT DIST #XXXXXXXXX1117	7 D000400	04/20/22	REIMBURSE	01-00.1001	PR ACCT REIMBURSE	205855.32	205855.32	103894
D.G. SANIT DIST #XXXXXXXXX114	1 D000420	04/20/22	REFUNDS	01-05.3001	USER REFUND ACCT REIMBURS	2208.45	2208.45	103897
D.G. SANIT DIST #XXXXXXXXX1112	2 D000440	04/20/22	REIMBURSE	01-11.B117	ARU CONF	149.00		
		04/20/22	REIMBURSE	01-12.B116	MSB SUPPLIES	214.55		
		04/20/22	REIMBURSE	01-14.B910	BSSRAP REIMBURSE	3287.43	3650.98	103895
DUPAGE CREDIT UNION	D000650	03/11/22	PR 03/05/22	01-00.2013	Empl Authorized W/Holding	2419.00	2419.00	103873
DUPAGE CREDIT UNION	D000650	03/25/22	PR 03/19/22	01-00.2013	Empl Authorized W/Holding	2419.00	2419.00	103880
DUPAGE CREDIT UNION	D000650	04/08/22	PR010222	01-00.2013	EMPL AUTHORIZED W/HOLDING	2419.00	2419.00	103890
CHRISTOPHER DUSZA	D000683	04/05/22	REFUND	01-05.3001	USER REFUND	930.00	930.00	063477
HEALTH CARE SERVICE CORP.	н000190	03/29/22	165585	01-17.E455	Health Insurance	47231.58	47231.58	103885
HUDSON ENERGY SERVICES, LLC	н000495	04/05/22	S22030910000	01-15.B100	LS ELECTRIC	7488.93	7488.93	063478
HUDSON ENERGY SERVICES, LLC	н000495	04/05/22	4000008284	01-11.B100	ADMIN ELECTRIC	214.76		
		04/05/22	4000008284	01-12.B100	WWTC ELECTRIC	1947.97	2162.73	063479
ILLINOIS DEPARTMENT OF REVENUE	с тооо240	03/16/22	PR 03/05/22	01-00.2001	State Tax	3743.74	3743.74	103875
ILLINOIS DEPARTMENT OF REVENUE			SPR 03/15/22	01-00.2001	State Tax	1471.09	1471.09	103878
ILLINOIS DEPARTMENT OF REVENUE			PR 03/19/22	01-00.2001		3857.19	3857.19	103882
ILLINOIS DEPARTMENT OF REVENUE			SPR 033122		STATE TAX	1470.72	1470.72	103888
ILLINOIS DEPARTMENT OF REVENUE			PR040222	01-00.2001		4278.88	4278.88	103893
ILLINOIS MUNICIPAL	1000300	04/08/22			EMPL PENSION DEPOSIT	10220.40	1270.00	105055
	10000000	04/08/22			EMPL VOL PENSION DEP	9462.67		
			PENSION	01-17.E460		20713.29	40396.36	103886
MIDAMERICA ADMIN HRA ACCOUNT	M000557		HRA Funding		HRA Acct Funding	600.00	600.00	103884
TRANSAMERICA RETIREMENT	T000415		PR 03/05/22		Def Comp IPPFA	321.73	000.00	100004
INANGAPERICA RELIREMENT	1000413		PR 03/05/22 PR 03/05/22		Def Comp Roth IPPFA	200.00		
					-		766 63	102070
	T000415		PR 03/05/22		Def Comp Loan Repay IPPFA		756.53	103876
TRANSAMERICA RETIREMENT	T000415		SPR 03/15/22		Def Comp IPPFA	220.29		
			SPR 03/15/22		Def Comp Roth IPPFA	40.00	225 25	100055
	m0.00.41.5		SPR 03/15/22	01-00.2028		77.06	337.35	103879
TRANSAMERICA RETIREMENT	T000415	03/25/22	PR 03/19/22	01-00.2026	Def Comp IPPFA	279.81		

01 GENERAL FUND MANUAL CHECK REGISTER FOR 04/19/22

====== VENDOR =====		===== IN	NOICE ======					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		03/25/22	PR 03/19/22	01-00.2027	Def Comp Roth IPPFA	200.00		
		03/25/22	PR 03/19/22	01-00.2028	Def Comp Loan Repay IPPFA	234.80	714.61	103883
TRANSAMERICA RETIREMENT	T000415	04/04/22	SUPR 033122	01-00.2026	DEF COMP IPPFA	220.35		
		04/04/22	SUPR 033122	01-00.2027	DEF COMP ROTH IPPFA	40.00		
		04/04/22	SUPR 033122	01-00.2028	DEF COMP LOAN REPAY	77.06	337.41	103889
TRANSAMERICA RETIREMENT	T000415	04/08/22	PR010222	01-00.2026	DEF COM IPPFA	524.22		
		04/08/22	PR010222	01-00.2027	DEF COM ROTH IPPFA	200.00		
		04/08/22	PR010222	01-00.2028	DEF COM LOAN REPAY IPPFA	234.80	959.02	103892
U.S. POSTAL SERVICE	U000130	04/08/22	REFILL	01-11.B119	POSTAGE REFILL	1000.00	1000.00	103896
					Total Payments:	421010.65	421010.65	
					ACH Payments Total:	409828.99	.00	
				Cł	neck Payments Total:	11181.66	421010.65	

Downers Grove Sanitary District 02 IMPROVEMENT FUND STANDARD CHECK REGISTER FOR 04/19/22

========= VENDOR =======		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
BAXTER & WOODMAN, INC.	B000120	03/18/22	0232644	02-47.0504	CENTEX PS REPLACE	3246.25	3246.25	103952
Berger Excavating Contractors,	B000137	04/11/22	041122	02-47.0506	CENTEX LS REPLACEMENT	60975.00	60975.00	103958
IL ENV PROTECTION AGENCY	1000260	03/15/22	22-1	02-30.0515	LOAN REPAYMENT	46595.52	46595.52	103953
					Total Payments:	110816.77	110816.77	
					ACH Payments Total:	110816.77	.00	
				Ch	eck Payments Total:	.00	110816.77	

Downers Grove 03 CONSTRUCTION FUND STANDARD CHECK REGISTER FOR 04/19/22 Sanitary District

Date: 04/14/22

Time: 8:35pm	
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VENDOR		===== IN	WOICE =====					
JAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
IL ENV PROTECTION AGENCY	1000260	03/15/22	22	03-30.0515	LOAN REPAYMENT	14403.64	14403.64	103954
						=========		
					Total Payments:	14403.64	14403.64	
					ACH Payments Total:	14403.64	.00	
				Ch	neck Payments Total:	.00	14403.64	

DATE

REVIEWED

TRUSTEE APPROVAL

PRESIDENT

CLERK

ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 04/19/22

G/L 1	NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-0	0.1000	CASH		789646.66-
01-0	0.1001	CASH - PAYROLL ACCOUNT	205855.32	
01-0	0.2000	FEDERAL TAX WITHHELD	34743.48	
01-0	0.2001	STATE TAX WITHHELD	14821.62	
01-0	0.2002	SOCIAL SECURITY WITHHELD	24479.57	
01-0	0.2003	IMRF WITHHELD	10220.40	
01-0	0.2005	CLEARING	207.58	
01-0	0.2013	CREDIT UNION WITHHELD	7257.00	
01-0	0.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	9462.67	
01-0	0.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1566.40	
01-0	0.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	680.00	
01-0	0.2028	DC PLAN LOAN REPAYMENT WITHHELD	858.52	
01-0	5.3001	USER RECEIPTS	3138.45	
01-1	1.B100	ELECTRICITY	309.05	
01-1	1.B101	NATURAL GAS	366.28	
01-1	1.B110	BANK CHARGES	29.90	
01-1	1.B112	COMMUNICATION	2317.29	
01-1	1.B113	EMERGENCY/SAFETY EQUIPMENT	1729.71	
01-1	1.B115	EQUIPMENT/EQUIPMENT REPAIR	2796.14	
01-1	1.B116	SUPPLIES	636.49	
01-1	1.B117	EMPLOYEE/DUTY COSTS	741.97	
01-1	1.B118	BUILDING AND GROUNDS	429.00	
01-1	1.B119	POSTAGE	1005.34	
01-1	1.B121	USER BILLING MATERIALS	6134.81	
01-1	1.B124	CONTRACT SERVICES	8992.26	
01-1	1.B137	MEMBERSHIPS/SUBSCRIPTIONS	530.00	
01-1	1.C222	GAS/FUEL	18.56	
01-1	1.C225	OPERATION/REPAIR	104.11	
01-1	2.B100	ELECTRICITY	3252.41	
01-1	2.B101	NATURAL GAS	1805.09	
01-1	2.B102	WATER, GARBAGE AND OTHER UTILITIES	1297.20	
01-1	2.B104	FUEL - GENERATORS	4593.54	
01-1	2.B112	COMMUNICATION	3432.09	
01-1	2.B113	EMERGENCY/SAFETY EQUIPMENT	5624.04	
01-1	2.B116	SUPPLIES	4579.60	
01-1	2.B117	EMPLOYEE/DUTY COSTS	2765.67	
01-1	2.8401	CHEMICALS - DISINFECTION	9404.72	
	2.8402	CHEMICALS - SLUDGE DEWATERING	8517.42	
01-1	2.8404	CHEMICALS - OTHER	6262.00	
	2.8501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	1740.97	
	2.8502	EQPT/EQPT REPAIR - DISINFECTION	1478.22	
	2.8503	EQPT/EQPT REPAIR - EXCESS FLOW	5660.29	
	2.8505	EQPT/EQPT REPAIR - INFLUENT PUMPING	1289.66	
	2.8506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	13554.98	
	2.8507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	128.61	
01-1	2.8508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	347.11	

ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 04/19/22

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	2614.48	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	11390.53	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	3274.21	
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES		
01-12.B805	BLDG AND GROUNDS - INFLUENT PUMPING	220.53	
01-12.B807	BLDG AND GROUNDS - SECONDARY TREATMENT	37.55	
01-12.B810	BLDG AND GROUNDS - SLUDGE DIGESTION	107.08	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	5498.09	
01-12.C225	OPERATION/REPAIR	343.88	
01-13.B112	COMMUNICATION	148.29	
01-13.B114	CHEMICALS	612.39	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	30707.05	
01-13.B116	SUPPLIES	697.26	
01-13.B110 01-13.B117	EMPLOYEE/DUTY COSTS	300.49	
01-13.B117	OUTSIDE LAB SERVICES	1609.40	
01-13.B123 01-13.C225	OPERATION/REPAIR	842.70	
01-13.C225	COMMUNICATION	623.65	
01-14.B112 01-14.B113		353.47	
	EMERGENCY/SAFETY EQUIPMENT		
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR SUPPLIES	546.41	
01-14.B116		627.39	
01-14.B117	EMPLOYEE/DUTY COSTS	1591.20	
01-14.B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	3000.00	
01-14.B129	REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGES	490.00	
01-14.8901	SEWER SYSTEM REPAIRS - I/I PROGRAM	3236.25	
01-14.8902	SEWER SYSTEM REPAIRS - REPLACEMENT	560.00	
01-14.8910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	61237.33	
01-14.B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/REH	1234.86	
01-14.B929	ARRA LOAN PRINCIPAL REPAYMENT	90795.59	
01-14.C225	OPERATION/REPAIR	1742.62	
01-15.B100	ELECTRICITY	16455.17	
01-15.B104	FUEL - GENERATORS	4298.43	
01-15.B112	COMMUNICATION	424.06	
01-15.B116	SUPPLIES	126.06	
01-15.B520	EQPT/EQPT REPAIR - BUTTERFIELD	1953.00	
01-15.B521	EQPT/EQPT REPAIR - CENTEX	1611.00	
01-15.B522	EQPT/EQPT REPAIR - COLLEGE	1069.00	
01-15.B523	EQPT/EQPT REPAIR - EARLSTON	1540.75	
01-15.8524	EQPT/EQPT REPAIR - HOBSON	4324.23	
01-15.8525	EQPT/EQPT REPAIR - LIBERTY PARK	944.00	
01-15.8526	EQPT/EQPT REPAIR - NORTHWEST	1552.90	
01-15.8527	EQPT/EQPT REPAIR - VENARD	1069.00	
01-15.B528	EQPT/EQPT REPAIR - WROBLE	1069.00	
01-15.B529	EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	5186.42	
01-15.B824	BLDG AND GROUNDS - HOBSON	2030.28	
01-15.B828	BLDG AND GROUNDS - WROBLE	216.00	
01-17.E452	LIABILITY/PROPERTY	100.00	

ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 04/19/22

Date: 04/14/22 Time: 8:35pm

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-17.E455	EMPLOYEE GROUP HEALTH	49235.15	
01-17.E460	IMRF	20713.29	
01-17.E461	SOCIAL SECURITY	24479.71	
02-00.1000	CASH		110816.77-
02-30.0515	PAYMENT ON LOAN PRINCIPAL	46595.52	
02-47.0504	CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRVISN	3246.25	
02-47.0506	CONSTRUCTION CONTRACTS AND PURCHASES	60975.00	
03-00.1000	CASH		14403.64-
03-30.0515	PAYMENT ON LOAN PRINCIPAL	14403.64	
		014065 05	014065 05

914867.07 914867.07-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	
	03/10/22	\$40.37	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC	Froculement	Maintenance Repair Supplies	
Grainger Grainger	03/30/22	\$40.37	01-12.B512 01-15.B524	EQUIP/EQUIP REPAIR - WWITC GENERAL	Delivered	AC		Hobson Pump 2	
Grainger	03/17/22	\$38.14	01-13.B324 01-14.B117	EMPLOYEE/DUTY COSTS	In-Store	OA		Outerwear	
Grainger	03/08/22	\$14.00	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	CP		Safety Sign	
Grainger	03/08/22	\$35.62	01-12.B113 01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger	03/08/22	\$12.36	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
-	03/08/22	\$152.05	01-12.B503 01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger Grainger	03/08/22	\$152.05	01-12.B505 01-12.B505	EQPT/EQPT REPAIR - EXCESS FLOW EQPT/EQPT REPAIR - INFLUENT PUMPING	Delivered	NW		Raw Sewage Pump 3 Overhaul	
Grainger	03/11/22	\$118.92	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
-	03/11/22	\$223.20	01-12.B303 01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM		Excess flow clarifiers bridge kail repairs	
Grainger	03/15/22	\$223.20	01-12.B113 01-12.B113			MM			
Grainger		\$223.20	01-12.B113 01-12.B503	WWTC EMERGENCY/SAFETY EQUIPMENT EQPT/EQPT REPAIR - EXCESS FLOW	Delivered Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger	03/15/22 03/15/22	\$29.71	01-12.B503 01-12.B512			AC		5 1	
Grainger				EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	RF		Shop Tool Replacement	
Grainger	03/16/22	\$15.06	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	RF		Maintenance Repair Supplies	
Grainger	03/21/22	\$107.08	01-12.B810	BLDG & GROUNDS - SLUDGE DIGESTION	In-Store			Digester 3 Control Building Vent Fan Motor Replacement	
Grainger	03/22/22	\$119.90	01-12.B116	WWTC SUPPLIES	Delivered	MM	244/2	Cleaning Supplies	V
Grainger	03/22/22	\$780.25	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	Delivered	DRB	VWR	Lab Equipment	
Grainger	03/22/22	\$55.99	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	Delivered	DRB	VWR	Supplies	
Grainger	03/22/22	\$173.06	01-12.B116	WWTC SUPPLIES	Delivered	MM			
Grainger	03/23/22	\$48.16	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger	03/23/22	\$144.40	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	03/23/22	\$148.67	01-14.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Outfall Cleaning	
Grainger	03/23/22	\$26.39	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Shop Tool Replacement	
Grainger	03/05/22	\$12.47	01-15.B529	EQUIP/EQUIP REPAIR - LIFT STATIONS GENERAL	Delivered	AC		Portable Pump Hose Testing	
Grainger	03/25/22	\$303.48	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	03/28/22	\$11.43	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	NW		CHP 1 & 2 Torque Wrench	
Grainger	03/28/22	\$72.66	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	03/28/22	\$33.94	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger	03/29/22	\$31.96	01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	Delivered	AC		Primary 3&4 Cross Collector Gear Reducer Replacement	
Grainger	03/30/22	\$13.76	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	NW		Tool Replacement	
Grainger	03/31/22	\$90.10	01-15.B524	EQUIP/EQUIP REPAIR - HOBSON	Delivered	AC		Hobson Pump 2	
Grainger	03/31/22	\$13.41	01-15.B526	EQUIP/EQUIP REPAIR - NORTHWEST	In-Store	RF		Northwest MCC Equipment Status Lights	
Grainger	03/31/22	\$63.71	01-14.B116	SEWER SYSTEM SUPPLIES	Delivered	JPB		Outfall Cleaning	
Grainger	04/01/22	\$3.28	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	04/01/22	\$56.52	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	04/01/22	\$1.49	01-15.B526	EQUIP/EQUIP REPAIR - NORTHWEST	In-Store	MR		Northwest MCC Equipment Status Lights	
Grainger	04/01/22	\$246.80	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	MR		Operations Center Lighting	
Grainger	04/05/22	\$53.19	01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	Delivered	NW		Hypochlorite OSEC Generator Repair	
Grainger	04/05/22	\$10.64	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	
Grainger	04/06/22	\$11.77	01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	Delivered	MR		Digester 4-5 Control Bldg.	
Grainger	4/7/2022	\$17.85	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH		Supplies	
Grainger	4/7/2022	\$23.62	01-14.B116	SEWER SYSTEM SUPPLIES	Delivered	AH		Supplies	
Grainger	04/07/22	\$3.67	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	Delivered	AC		Excess Flow Clarifiers Bridge Rail repairs	
Grainger	04/11/22	\$16.29	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	Delivered	CP		B&G Cleaning Tool	
Grainger	04/11/22	\$56.85	01-12.B116	WWTC SUPPLIES	Delivered	MM			
Grainger	04/13/22	\$1,078.60	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	MM		Safety	
Grainger	03/22/22	\$93.25	01-13.B114	CHEMICALS	Delivered	DRB	circle K	standard solution	
Grainger	03/01/22	\$17.12	01-12.B811	BLDG & GROUNDS - TERTIARY TREATMENT	In-Store	BS		Filter Building Safety Railing Repair	
Home Depot	03/15/22	\$49.94	01-11.B115	ADMIN EQUIPMENT/EQUIPMENT REPAIR	In-Store	RF		Security Camera Monitor Installation	
Home Depot	04/04/22	\$25.96	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	In-Store	AC		Excess Flow Clarifiers Bridge Rail repairs	
Home Depot	03/04/22	\$7.98	01-13.B116	LAB SUPPLIES	In-Store	CP		Shower Base Repair	
Home Depot	04/13/22	\$41.51	01-14.B116	SEWER SYSTEM SUPPLIES	In-Store	AH	Outfall Cleaning		
Home Depot	03/22/22	\$9.48	01-12.B116	WWTC SUPPLIES	In-Store	NW	O2 Probe Storage		
Home Depot	04/01/22	\$37.55	01-12.B807	BLDG & GROUNDS - SECONDARY TREATMENT	In-Store	СР		New Blower Building Lighting	
Home Depot	03/02/22	\$39.44	01-12.B503	EQPT/EQPT REPAIR - EXCESS FLOW	In-Store	AC		Excess Flow Clarifiers Bridge Rail repairs	
Home Depot	03/21/22	\$26.84	01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	In-Store	JM			
Home Depot	03/30/22	\$75.73	01-12.B116	WWTC SUPPLIES	In-Store	CP		Supplies	
Home Depot	03/09/22	\$59.80	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	CP		WWTC Door Lock repairs	

Item Description
Hardware & Plumbing Supplies
1/8" Stainless Pipe Nipples and fittings
High Viz Hooded Sweatshirt
Safety Sign
5/8" HSS Drill Bit
Drill Bits & Taps
Drill Bits, Stainless Anchors & Taps
(6) Metal Grinding/Cut Off Disks
Stainless Steel Drop In Anchors
Nitrile safety gloves
Nitrile safety gloves- duplicate order
Carbide Rotary De-Burring Bit
(4) Straight & Flute Taps, 1/2" & 3/8"
Twist On Wire Nuts
1/4 HP Blower Motor
Window wash concentrate, floor wash, batteries, squeegees
Standard Ammonia Electrode
Clip It Timer, Liquid Hand Soap
replacement spray water hose
Drill Bits for Mounting Plate Fabrication
Hardware & Plumbing Supplies
Stainless Anchor Hardware for Manholes
Internal Pipe Nipple Extractor Set
4" Plastic Test Plug
Hardware & Plumbing Supplies
Lithium Battery (2)
Hardware & Plumbing Supplies
Stainless Hardware
11/16" HSS Drill Bit
Flat Head Screwdriver
1/4" Snubber Hose
(9) Miniature Indicator Light Bulbs
Colored Marking Tape
Hardware & Plumbing Supplies
MSB drill press: Magnet(2) 4" C-clamp(2)
Mini Bulb (1)
48" Light Bulb (40)
1" Y check valve (1)
Stainless Spring Latch (1)
Vent fan drive belt (1)
Bolts for TV camera
Bolts for TV camera
Drill Bit
36" Trash Grabber
Sampling buckets for OPS
Multi-Gas Detector
1000 ppm Nitrate calibration standard
Eye Bolts & S-Hooks
Cable Fishing Rod/Pole & Open Cable Wall Plate
Margin trowel(1) Vinyl hose (10')
Silicone Sealant
Tape, Bucket, Fasteners
Plastic tote
Light switches and covers
Chisel Bits & Grout Tools
Primer and Teflon tape
Painting Supplies & Concrete Bits
Barrel Bolt Latches, Concrete Anchors, Impact Driver
Saw Blades, Bleach Sprayer, 4-Cycle Tru-Fuel for Long Term Storage

Petty Cash Checking Reimbursement

Date: 4/11/2022 Due Date: 4/20/2022 Invoice #: Reimburse

Date	Purchased From	Description	Code	Amount	Ck No.
03/14/22	Micahel & Pamela Bianco	BSSRAP REIMBURSEMENT	14B910	382.65	3755
03/14/22	COSTCO	SB SUPPLIES	12B116	214.55	3753
03/15/22	Gregory & Carrie Vodnik	BSSRAP REIMBURSEMENT	14B910	394.13	3754
03/22/22	Kevin & Amy Rappel	BSSRAP REIMBURSEMENT	14B910	394.13	3757
03/22/22	Mistwood Condo Assoc	BSSRAP REIMBURSEMENT	14B910	394.13	3758
03/22/22	Tariq Khan	BSSRAP REIMBURSEMENT	14B910	664.13	3756
03/30/22	Kevin & Anne McSweeney	BSSRAP REIMBURSEMENT	14B910	394.13	3760
03/30/22	Zachary & Sarah Jones	BSSRAP REIMBURSEMENT	14B910	664.13	3759
04/27/22	IAWA	ARU CONFERENCE	11B117	149.00	3761

Total Receipts/Reimbursement 3650.98

Expense by code

12.B116	214.55
11b117	149.00
14.B910	3287.43
	3650.98

Date:	4/11/2022
Due Date:	4/19/2022
Invoice #: Cash Box	

Date **Purchased From Reimbursed To** Description Code Amount 3/15/22 JEWEL MARK LUCHEON ITEMS 34.44 12B116 3/16/22 USPS MEGAN POSTAGE DUE 11B119 2.01 3/23/22 USPS 1.34 MEGAN POSTAGE DUE 11B119 3/29/22 USPS MEGAN POSTAGE DUE 11B119 0.65 3/30/22 Costco JEFF MSB SUPPLIES 12B116 70.44 3/30/22 Batteries & Bulbs Rolf Batteries ORP Probe 6.48 12B116 1.34 4/4/22 USPS MEGAN POSTAGE DUE 11B119 4/6/22 Target REESE LAB SUPPLIES 13B116 21.10 ADJUSTMENT TO CASH FOR BALANCING 4/11/22 11B116 -0.10 **Total Receipts** 137.70

Expense by code

11B116	-0.10	
11.B119	5.34	
12.B116	111.36	
13B116	21.10	
	137.70	

DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

TO: Amy R. Underwood General Manager

FROM: Carly Shaw Administrative Supervisor

DATE: April 08, 2022

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, 2022 renewal. Similar to the last two years, the District's medical insurance carrier, BlueCross BlueShield of Illinois (BCBSIL) calculated and offered to the District a composite rate for each tier of coverage for each plan (a set rate for each of the following tiers: Employee Only, Employee Plus Spouse, Employee Plus Child(ren) or Family coverage).

Seven 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. 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 continued through 2020 as we offered four different plans, two HMO-styled plans one being an Advocate-only style plan with no employee contribution, and two PPO-styled plans. Our employee group did not participate at all in the Advocate-only HMO styled plan and instead enrolled in one of the three other plans that offered more flexible provider networks all that required employee premium contributions. In 2021 we offered three plans: a rich HMO, a rich narrow network PPO and broad network PPO all requiring employee premium contributions.

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. Amy Abell of GCG Financial will be attending the April 19 board meeting to address any questions that may come up.

History

A chronological summary of recent renewals is as follows:

- 2019 The District maintained its medical coverage with BCBSIL and offered a total of three different plans for employees to choose from (a single provider (Advocate) HMO option identical in benefit structure to the richer HMO option, a rich full HMO, and a rich hybrid PPO option, all plans requiring employee premium contribution), continued the dental coverage with Principal in its second year of 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 -2.00% after employee premium contributions were applied and enrollment demographics shifted. In 2019, the District continued to offer a Health Reimbursement Account that began in 2018 for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We had two employees and four spouses that were eligible to be on the District's plan, but elected to obtain coverage elsewhere.
- 2020 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 identical in benefit structure to the richer HMO option, a rich full HMO, a less rich, broader network hybrid PPO option, and a richer, narrower network PPO option, with the Advocate plan not requiring employee premium contribution and all others requiring employee premium contribution), continued the dental coverage with Principal in its only year of a one-year contract and began a new four year contract with the same provider as before for 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 3.21% after employee premium contributions were applied and enrollment demographics shifted. BCBSIL discontinued the single provider (Advocate) HMO plan part way through the plan year. In 2020, the District continued to offer a Health Reimbursement Account for employees and their spouses that come off the District's medical group coverage (\$100 per month for each spouse or employee that does not elect coverage through the District). We had two employees and three spouses that are eligible to be on the District's plan, but have elected to obtain coverage elsewhere.
- 2021 The District maintained it's medical coverage with BCBSIL and offered three different plans for employees to chose from (an rich full HMO option, a broad network hybrid PPO option, and a richer, narrower network PPO option, all plans requiring employee premium contributions), continued the dental coverage with Principal in its first year of a two year contract and continued the vision coverage with EyeMed Vision Care in its second year of a four year contract for an overall percent change in health insurance (medical, dental and vision) premiums from the prior year at approximately 8.14% after employee premium contributions were applied and enrollment demographics shifted. The District continued to offer a Health Reimbursement Account for employees and their spouses that come off the

District's medical group coverage (\$100 per month for each spouse or employee). We currently have two employees and three spouses that are eligible to be on the District's plan but have obtained coverage elsewhere.

Dental and Vision Coverage

Both dental and vision plans have a rate guarantee at this time, so no action was taken.

Medical renewal with Alternate Carriers

The District requested quotes from various carriers from 2014 - 2018 and in 2020. In 2015, the District made the change from Humana to BCBSIL. Since then, the other carriers could not provide competitive quotes, so District staff made the decision not to shop this coverage annually.

2022 Renewal Options

In 2021, the District offered three plan options that as quoted for 2022-2023 fiscal year are under the amount budgeted for group health insurance. Our broker has informed us that we can offer all three medical options to our group with no minimum participation required for any one plan. With this year's renewal, the premiums offered to the District from BCBSIL will result in a moderate increase in the District's costs as compared to the current year and we feel the employee premium contributions should be increased slightly to help the District cover this increase. Staff is recommending keeping all three of the plans.

1) Option 1 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.

2) Option 2 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 higher 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.

3) Option 3 in the History table – Renewal of existing coverage with continuing to offer the same PPO-styled plan through BCBSIL with a \$500 individual deductible, \$1,500 family deductible, lower co-pays throughout, significantly lower annual out-of-pocket maximums and 90/10 coinsurance.

Life Insurance Coverage

The District was offered a one-year rate increase pass from its existing life insurance carrier, Kansas City Life/NIS.

Employee Premium Contributions

Below is a table highlighting the recommended employee premium contribution requirements for those employees that select Options 1 (rich HMO), 2 (rich hybrid PPO) or 3 (richer, but narrow PPO). In 2021 we increased the employee premium contributions to help cover the increased expense of the plan premiums. As we are seeing another increase for the 2022 plan year, we feel we need to increase the employee premium contributions slightly to lessen the impact on the District. We have applied a 5% increase to all tiers of each plan option we have available.

OPTION 1 (Rich HMO)	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	¢ 1 17 05 ¢ 170 01	¢17 02 ¢18 00	¢10 cc ¢10 5 0
Employee Only	\$447.85 \$470.24	\$17.23 \$18.09	\$18.66 \$19.59
Employee Plus Spouse	\$1,738.89 \$1,825.83	\$66.88 \$70.22	\$72.45 \$76.08
Employee Plus Children	\$1,532.02 \$1,608.62	\$58.92 \$61.87	\$63.83 \$67.03
Family	\$2401.47 \$2,521.54	\$92.36 \$96.98	\$100.06 \$105.06
OPTION 2 (Hybrid			
PPO)	Annual Emp. Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$476.19 \$500.00	\$18.32 \$19.23	\$19.84 \$20.83
Employee Plus Spouse	\$1,862.85 \$1,955.99	\$71.65 \$75.23	\$77.62 \$81.50
Employee Plus Children	\$1,638.38 \$1,720.30	\$63.01 \$66.17	\$68.27 \$71.68
Family	\$2,569.81 \$2,698.30	\$98.84 \$103.78	\$107.08 \$112.43
OPTION 3 (Rich, but			
Narrow PPO)	Annual Employee Contribution	Per Paycheck for Hrly	Per Paycheck for Sups
Employee Only	\$682.23 \$716.34	\$26.24 \$27.55	\$28.43 \$29.85
Employee Plus Spouse	\$2,672.38 \$2,806.00	\$102.78 \$107.92	\$111.35 \$116.92
Employee Plus Children	\$2,349.65 \$2,467.13	\$90.37 \$94.89	\$97.90 \$102.80
Family	\$3,685.84 \$3,870.13	\$141.76 \$148.85	\$153.58 \$161.26
5	-		

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

For the June 1, 2022 renewal, I am recommending that the District's Board of Trustees make the following motion at their regular meeting held on April 19, "I move that the Downers Grove Sanitary District offers its full-time employees the three options listed in Administrative Supervisor Shaw's memo dated April 19, 2022 for medical insurance coverage with BlueCross BlueShield of Illinois, resume dental coverage with Principal, resume vision coverage with EyeMed Vision Care and life insurance coverage with Kansas City Life / NIS with an overall anticipated percent change of 7.24% 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 anticipated employee premium contributions. Staff recommends we continue to offer the Health Reimbursement Account to employees as a cost savings measure.

In offering the same plans as the current year and increasing employee premium contributions an appreciable amount, I have calculated the District's increase in costs would likely not exceed 7.24%. This is based upon the assumption that all employees will remain on the exact same plans as we have noted that movement between plans typically doesn't occur when there are no additional viable alternatives to existing plans.

As indicated in the attached History of Premiums and Benefits, by making plan design changes or changes in employee premium contributions over the last six years, the annual average percentage premium increase for the District to offer the employees' group insurance benefit is 3.65%.

If you concur with this recommendation, this item should be placed on the agenda for the April 19 regular Board meeting.

Attachment

cc: WDVB, AES, JMW, KJR, RTJ, MJS, MGP

DOWNERS GROVE SANITARY DISTRICT HISTORY OF PREMIUMS AND BENEFITS			PROPOSED RAT	ES	
			(6/1/22 - 5/31/23)	-	
April 19, 2022		EMPLOYEE OPTION 3	EMPLOYEE OPTION 2	EMPLOYEE OPTION 1	EMPLOYEE OPTION 3
	N UTILIZATION RICH PPO	OSS BLUE SHIELD OF ILLINOIS O PLAN (NARROW NETWORK)	BLUE CROSS BLUE SHIELD OF ILLI Hybrid PPO PLAN	NOIS BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN	BLUE CROSS BLUE SHIELD OF ILLINOIS E RICH PPO PLAN (NARROW NETWORK)
MEDICAL ALL WAIVE P MED-CLASS 1-EMPLOYEE ONLY 1 1 MED-CLASS 2-EE&SPOUSE 1 1 MED-CLASS 3-EE&CHILD(REN) 0 0 MED-CLASS 4-FAMILY 0 0	CH HYBRID - Monthly Privation 2 0 7 0 \$791.6 0 0 6 0 \$1,863. \$1,465. 1 2 1 0 \$2,257. \$2,257.	96 \$1,583.92 92 \$0.00 13 \$1,465.13	Monthly Premium Cost based on ut \$731.69 \$0.00 \$1,463.38 \$0.00 \$1,353.63 \$2,707.26 \$2,085.32 \$8,341.26 \$11,048.55 \$11,048.55	\$705.86 \$4,941.02 \$1,411.72 \$8,470.32 6 \$1,305.84 \$1,305.84 8 \$2,011.70 \$16,093.60	Monthly Premium Cost based on utilization M 738.50 \$1,477.00 1,477.00 \$0.00 1,366.23 \$1,366.23 2,104.73 \$2,104.73 \$4,947.96
LIFE INSURANCE ADMIN FEE PER MONTH MONTHLY PREMIUM ANNUAL PREMIUMS FSA	\$11.5 \$0.00		\$69.00 \$11,117.5 \$133,410.4		11.50 \$69.00 0.00 \$0.00 \$5,016.96 \$60,203.52 \$0.00
HRA RETIREE COSTS EMPLOYEE CONTRIBUTIONS NET ANNUAL PREMIUM FOR PLANS WITH CONTRIBUTIONS PERCENT CHANGE - MEDICAL AND LIFE INS. ONLY BEFORE CONTRIBUTIONS PROPOSED BILLED MEDICAL AND LIFE INS. PREMIUMS (PRORATED ANNUALLY) PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS (PRORATED ANN PERCENT CHANGE - PROPOSED MEDICAL AND LIFE INS. PREMIUMS AFTER CONTRIBUTIONS) (\$7,935.63) \$56,566.05 (\$517,274.73 \$576,815.52 \$517,412.73	(\$14,848.0 \$118,562.4		6,000.00 0.00 (\$17,121.25) \$43,082.27 8.32% \$537,548.88 \$537,494.64 \$480,170.85 7.66%
DENTALDENTAL-CLASS 1-EMPLOYEE ONLY11DENTAL-CLASS 2-EEE&SPOUSE6DENTAL-CLASS 3-EEE&CHILD(REN)4DENTAL-CLASS 4-FAMILY12MONTHLY PREMIUM33ANNUAL PREMIUMS9PERCENT CHANGE-DENTAL ONLY	31.10 63.14 77.88 115.5	\$378.84 \$311.52			PRINCIPAL 2 YR CONTRACT (06/01/21-05/31/23) 31.10 \$342.10 63.14 \$378.84 77.88 \$311.52 115.54 \$1,386.48 \$2,418.94 \$29,027.28 6.50%
VISION 11 VISION-CLASS 1-EMPLOYEE ONLY 11 VISION-CLASS 2-EEE&POUSE 6 VISION-CLASS 3-EEE&CHILD(REN) 4 VISION-CLASS 4-FAMILY 12 MONTHLY PREMIUM 33 ANNUAL PREMIUMS 33 PERCENT CHANGE - VISION ONLY 12	4 Y \$6.52 \$12.4 \$13.0 \$19.1	0 \$74.40 5 \$52.20			EYEMED 4 YEAR RATE GUARANTEE (06/01/20-05/31/24) \$6.52 \$71.72 \$12.40 \$74.40 \$13.05 \$\$52.20 \$19.19 \$230.28 \$428.60 \$5,143.20 0.00%
PERCENT CHANGE - ALL COVERAGES TOTAL MONTHLY PREMIUM		\$45,965.27			\$42,861.78
TOTAL ANNUAL PREMIUMS PERCENT CHANGE - ALL COVERAGES VITALITY REDUCTIONS RESULTING PERCENT CHANGE AFTER VITALITY REDUCTIONS		\$551,583.21 7.24%	\$37,241.88		\$514,341.33 8.14%
ANNUAL AVERAGE PERCENT CHANGE OVER SIX YEARS		3.65%			
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 - INDIVIDUAL ANNUAL OUT OF POCKET-IN NETWORK - FAMILY MAXIMUM ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL ANNUAL DEDUCTIBLE-OUT OF NETWORK - INDIVIDUAL 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 DISCOUNTED PHARMACY CO-PAYS 2ND TIER PHARMACY CO-PAYS 2ND TIER PHARMACY CO-PAYS LT MAX-IN NETWORK LT MAX-OUT OF NETWORK	P5E1	Cross Blue Shield of Illinois IBCE Blue Choice Preferred \$500 \$1,500 \$4,500 \$1,000 \$3,000 Unlimited Unlimited \$20 / \$40 \$200 then Ded/Coins \$150 then Ded/Coins \$150 then Ded/Coins \$250 then Ded/Coins \$400 then Ded/Coins	Blue Cross Blue Shield of Illinois G506OPT Blue Options \$750 BC/\$1,750 PPO \$2,250 BC/\$5,250 PPO \$6,250 BC/\$5,250 PPO \$6,250 BC/\$8,000 PPO \$3,500 \$10,500 Unlimited Unlimited \$40\\$60 BC - \$60\\$100 PPO \$250 BC/\$500 PPO then Ded/Coin \$200 BC/\$400 PPO then Ded/Coins \$500 then Ded/Coins	P506PSN HMO Blue Precision \$0 \$0 \$1,500 \$4,500 N/A N/A N/A \$10 PCP/\$45 specialist is \$150 Copay then 0% N/A \$100 Copay then 0% N/A N/A \$100 Copay then 0% N/A \$100 Copay then 0% N/A N/A N/A N/A N/A N/A N/A N/A	Blue Cross Blue Shield of Illinois P5E1BCE Blue Choice Preferred \$500 \$1,500 \$1,500 \$4,500 \$3,000 Unlimited Unlimited \$20 / \$40 \$200 then Ded/Coins \$150 then Ded/Coins \$300 then Ded/Coins \$250 then Ded/Coins \$250 then Ded/Coins \$250 then Ded/Coins \$250 then Ded/Coins \$250 then Ded/Coins \$400 then Ded/Coins
LIFE INSURANCE (BY ASSORTED CARRIERS)	I	\$50,000	\$50,000	\$50,000	\$50,000

CURRENT RATES

(06/01/21-05/31/22) EMPLOYEE OPTION 2 BLUE CROSS BLUE SHIELD OF ILLINOIS Hybrid PPO PLAN

EMPLOYEE OPTION 1 BLUE CROSS BLUE SHIELD OF ILLINOIS RICH HMO PLAN

Hybrid PPO PLAN		RICH HMO PLAN				
Monthly Premium 668.02 1,336.04 1,235.84 1,903.86	Cost based on utilization \$0.00 \$2,471.68 \$7,615.44 \$10,087.12	Monthly Premium 661.39 1,322.78 1,223.57 1,884.96	Cost based on utilization \$4,629.73 \$7,936.68 \$1,223.57 \$15,079.68 \$28,869.66			
0.00	\$69.00 \$0.00 \$10,156.12 \$121,873.44 \$0.00	0.00	\$253.00 \$0.00 \$29,122.66 \$349,471.92 \$0.00			
	(\$9,823.99) \$112,049.45		(\$30,378.55) \$319,093.37			
\$38,717.57						
G506OPT \$750 BC \$2,250 B0 \$5,000 B0	ue Shield of Illinois [•] Blue Options /\$1,750 PPO /\$5,250 PPO /\$7,000 PPO	P506PSN HM	ue Shield of Illinois AO Blue Precision \$0 \$0 1,500			
\$ \$1 1	C/\$17,100 PPO 3,500 0,500 None None		X 3 = \$4,500 N/A N/A N/A N/A			
\$250 BC/\$500 F \$200 BC/\$400 F \$600 the \$500 the	- \$60/\$100 PPO PPO then Ded/Coins PPO then Ded/Coins In Ded/Coins In Ded/Coins In Ded/Coins	\$150 Cc \$100 Cc	\$45 specialist pay then 0% pay then 0% N/A N/A			
80/20 BC 70/30 \$10/\$20//\$50	n Ded/Coins PPO - OON - 50/50 / \$100/\$150/\$250 IONE	\$0/\$10/\$50/	ed then 0% 100/0 \$100/\$150/\$250 NONE			
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DOWNERS GROVE SANITARY DISTRICT

MEMORANDUM

To: Board of Trustees

From: Amy R. Underwood, General Manager

Subject: Operations Report – Collection System Programs

Date: April 14, 2022

At the April 19 Board Meeting, Sewer Maintenance Supervisor Bob Swirsky will give a presentation on the Repair Assistance and Inflow and Infiltration Removal Programs. The slides for the presentation are attached to this memo. The remainder of this memo is the operations report which was provided by former General Manager Nick Menninga to the Board for the July 2017 Board Meeting. It provides additional information on the collection system and relevant ordinance requirements and District programs.

The collection system is the physical point of service for our customers. A primary obligation we have to our customers is to consistently take their sanitary sewage, and properly dispose of it. Our ordinances and programs are designed to provide a very high level of performance at this point of service.

Most of the system consists of 8-inch gravity sewers, sized to handle 100 gallons per capita per day. People typically use around 70 gallons of water per day that goes to the sewer, meaning the sewers are generally somewhat oversized in comparison to normal water use, which helps to accommodate some leakage into the system. For comparison, a typical neighborhood whose sanitary flow can be handled with an 8 inch sewer may require storm sewers as large as 30 inches to carry rainwater runoff. A comparatively small percentage of stormwater can quickly overwhelm a sanitary sewer.

Another comparison can be made with typical stormwater sump pump flow rates. A 50 gpm sump pump is not uncommon. An 8-inch sewer adequate to serve 500 houses has a capacity of around 300 gpm, meaning as few as 6 sump pumps running simultaneously can exceed the capacity of that sewer.

Sewage collection systems have unique challenges. The system is a single buried pipe system that primarily flows by gravity, without the benefits of looped and pressurized flow that a public water supply distribution system enjoys. Hydraulics in a gravity flow system are very complex from an engineering perspective.

The sewer system surcharges when the flow entering the system exceeds the capacity to transport the flow, and the hydraulic grade line (i.e., the effective water level in the system) rises above the top of the pipe. The pipe continues to flow, but water backs up because more water is entering the pipes than can be carried away. Surcharging can be caused by putting too much water into the system at one time, or by a constriction in the pipe, such as a blockage or collapse.

Excessive surcharging causes operational problems. With the pipe full, the water level in the adjacent manhole rises, and can overtop the manhole, causing a manhole overflow. Another place for the water level to equalize is into basements that are unprotected from backflow through their services, causing basement backups.

Our ordinance, as currently written, envisions a system without sources of excessive clear water (often referred to as infiltration and inflow, or I/I), and where manhole or outside cleanout overflows are the first relief point in emergency conditions. The ordinance has changed over time, and there is a significant amount of infrastructure that pre-dates certain key provisions of the ordinance. We have several programs in place that were developed to address some of those legacy conditions. Together, the ordinance and programs function together to cost-effectively achieve and sustain optimal system performance.

Ordinance

Our ordinance has provisions for new construction connected to our collection system. Permitting and inspection of new construction is the best opportunity to ensure a fully functional, modern system. The building service, which includes the pipe from the house to the main including the connection at the main, is the responsibility of the property owner. The property owner owns this facility and is responsible for operating and maintaining it in good working order. The connection at the main needs to be made with a branch fitting or a proper machine tap.

The ordinance requires that all sources of storm or groundwater be kept out of the sanitary sewer. New pipes are verified as air-tight, and high-quality installation is required. Outside cleanouts are required.

New buildings are required to have overhead sewers, which inherently include reliable backflow prevention. This requirement includes an allowance, where necessary, for a relief-style outside cleanout where overhead sewer is not adequately protective based on the elevation of the house in relation to nearby manholes.

Most non-residential buildings are required to include inspection manholes that allow the District to monitor the discharge into the sewer. Non-residential garbage disposals are prohibited. Grit and grease traps are required where appropriate.

Special permission is needed to discharge swimming pools to the sewer.

When doing a teardown, the owner is required to abandon the old service and build a new one, with the exception of District-built services where the existing service is suitable for re-use.

The ordinance allows the District to repair the portion of the service in the public right of way, and to seek reimbursement for the repair costs from the property owner.

The ordinance gives the Manager the duty and right to inspect properties, inside and out, to look for illegal connections, or to observe sources of wastewater that enter the system. In the 1970s, the District ran a comprehensive inspection program, and was able to verify a very high level of compliance with

identifiable issues, such as downspouts, basement sumps, and other items that are viewable during an inspection. Currently, inspections are done in conjunction with various customer programs. We do not do inspections when property ownership is transferred.

Our ordinance book is posted on our website here:

http://www.dgsd.org/wp-content/uploads/2022-Ordinance-Book.pdf

Programs

There are two types of programs operated by the District: assistance programs and the I/I reduction program. Assistance programs are generally driven by problems customers are having with backups, where the District is able to provide assistance in dealing with the issue in response to a backup or concern raised by the customer. The I/I reduction program is driven by the District, where we are identifying specific priority areas of the District, and seeking to reduce I/I at the initiative of the District.

The three assistance programs include the back-up reimbursement program (BURP), the overhead sewer program (OHS), and the building sanitary service repair assistance program (BSSRAP). These programs are designed to provide assistance to customers with various situations that may cause them to have a backup.

The most common backup is with blockages in building services. Once we verify a building service blockage is the cause of a backup, we encourage customers to properly maintain their service, which usually means having the service rodded by a plumber. Occasionally, we are able to break open a blockage while conducting an inspection. If a customer has a chronic problem and needs repeated rodding, or their service can't be rodded because of its poor condition, they become eligible for the BSSRAP program. In this program, the District conducts a point repair of the service line to return it to an operable condition. There is no cap on the expenditure at any property, but the District's contractor does the work at the location under a competitively bid unit price contract.

Another type of backup is due to heavy rainfall and high flows in the system. In this case, the primary program offering we have for affected customers is the OHS program. Any customer can take advantage of this program if they currently have no overhead sewers. The program allows the District to reimburse customers who choose to retro-fit overhead sewers (or other eligible backflow prevention devices) in their building, for 50% of eligible project costs with a cap of \$3,000.

A third type of backup is due to a blockage in the main or some other operational issue such as a lift station failure. In this case, customers are offered the BURP program, in conjunction with the OSP program. The BURP program helps pay for clean-up costs or property losses associated with a backup. However, the amount is capped at \$2,500 as a way to discourage reliance on the program for future backups. Our policy is to encourage the installation of overhead sewers as a way for property owners to reliably protect themselves from future backups.

The I/I reduction program has been utilized to control manhole overflows, and also focuses on other general operational issues like concentrated areas with reported backups, and high flow metering

results. The I/I program consists of focusing on I/I reduction on an area-by-area basis, addressing public and/or private sources of I/I in specific areas where the results of the efforts can be monitored with insystem flow monitoring. When an area is selected for private property I/I removal, the District approaches all property owners in the area to inspect and investigate, as needed, to identify all sources of I/I to be corrected. The majority of private property work usually consists of rehabilitation of service pipes, with some amount of plumbing upgrades in buildings to separate stormwater from the sanitary system.

BSSRAP Program

This program is designed with basic key expectations. First, ownership of the service remains with the property owner, who is expected to continue to properly operate and maintain the service. Second, the property owner is expected to correct issues on the property related to I/I sources from their property. Finally, the repair is expected to be sufficient for the owner to operate and maintain the service in the future.

A customer completes an application form to get started. A District technician inspects the service and the connections in the basement, identifying the repair needed, as well as any I/I sources in the home that need to be corrected. The repair is then scheduled and performed. If simple I/I sources are identified, the homeowner needs to correct those issues as part of the program. If I/I sources are identified that are eligible for District repair under the I/I program, that work is scheduled and performed, as well. Most point source repairs include the installation of an outside clean-out to facilitate future maintenance by the property owner.

Our BSSRAP contractor does outside dig repair work, including service line point repairs, cleanout installation, and restoration. Occasionally, there is a pipe shear at the foundation wall, which our BSSRAP contractor does not do. We periodically get quotes from local plumbers to make this repair, then pay the plumber directly for the repair. For District-funded I/I repair work, we get quotes from plumbers for things like basement sump pump installations, then pay the plumber directly for the repair.

Customers are expected to execute two legal documents to have repair work done under the BSSRAP program. The first is the BSSRAP program agreement, and the second is the service access agreement. The service access agreement is required as part of all new construction and is required under all programs (except BURP). This agreement is recorded against title and stays with the property. The District gets reasonable access to the service line, and agrees to hold the property owner harmless if something bad happens as a result of the District accessing the service.

The BSSRAP program agreement makes clear the need for private property I/I control, that service ownership remains with the property owner along with operation and maintenance responsibility, and that the property owner releases any claim against the District for previous backups.

This program is described in more detail on our web site:

http://www.dgsd.org/sewer-backups/bssrap/

BURP Program

The back-up reimbursement program is the District's opportunity to address claims brought to the District for back-ups resulting from main line blockages. The District has some potential liability with this sort of event, since a claimant could argue that the District is not properly maintaining the main. While there are various interpretations of this situation in available case law, our BURP program allows us to address these claims and discourage further legal action.

Where a mainline blockage causes a back-up, our technician verifies the cause and immediately remedies the issue in the main, then distributes the BURP packet to affected residents. Overhead Sewer Program packets are typically distributed simultaneously. The technician collects video or photo evidence of noteworthy damage.

The application includes documentation of the claim from the owner, as well as conditions of participation. The key condition of participation is waiving any claims against the District from any past backups. The District engages a claim adjuster to substantiate the claim amount. The program cap is \$2,500. When claims exceed this amount and property owners express dissatisfaction with the program, we further encourage participation in the overhead sewer program as a way to protect from any future occurrence.

This program is described in more detail on our web site:

http://www.dgsd.org/sewer-backups/burp/

Overhead Sewer Program

This program is applicable for any property that does not already have overhead sewers. The overhead sewer requirement for new construction is relatively recent (1978), so there are many buildings in our service area that do not have this feature. The most interest is with properties that have experienced backups from storm events, although other backup issues such as mainline blockages or service line blockages can also generate interest in this program. Since it is a cost sharing program, owners of buildings with no backup history rarely utilize this program.

A genuine overhead sewer configuration is not always possible to retro-fit into a house. In those cases, other sorts of backflow prevention devices are eligible. A genuine overhead sewer configuration is the most reliable way to protect the building from back-ups and is therefore strongly encouraged. Check valves, shutoff valves, and standpipes all are prone to failures for various reasons, mainly because of lack of maintenance or operation. If these are employed, a memorandum is recorded with the property so that future owners are aware of this feature on their property. The overhead sewer with a basement ejector pump passively protects from backflows, although the basement sewage ejector needs to be maintained to ensure sewage from basement fixtures does not overflow the pit. Since this feature is prominent, it is less prone to inattention by owners.

Similar to the BSSRAP program, participants are required to remove all sources of I/I on their property as a condition of participation. Some sources are eligible for District participation under the I/I program, while some simple I/I sources are removed at the owner's expense.

An applicant submits an application form for the program. The District inspects the property and develops a scope of work for potential contract plumbers to use when preparing estimates for the work. The property owner is responsible for getting quotes for the work from qualified plumbers and can work with District technicians to verify quotes are for appropriate work. The eligible amount of District cost-sharing is based on half the cost of the lowest quoted price, with a limit of \$3,000 to be paid by the District. If eligible I/I program work is included in the scope, a separate price for that work can be obtained from the contractors, which is fully eligible for District funding. The owner is free to engage any eligible contractor to do the work, but the district's share is based on the low quote. Upon completion of the work and inspection, the owner is reimbursed by the District for the eligible amount.

Participants are required to execute the access agreement described above, as well as an overhead sewer agreement. The overhead sewer agreement makes it clear that anything installed under the program is owned by the property owner, and they are responsible for operation and maintenance going forward. The agreement also waives any claims against the District from any past backups.

This program is described in more detail on our web site:

http://www.dgsd.org/sewer-backups/ohsp/

I/I Reduction Program

This program was developed as a framework for the District to conduct I/I reduction on private property, with a direct benefit for all customers of the District. While the ordinance strictly prohibits all private property I/I sources, those prohibitions have been enforced differently over time. Newer construction is controlled diligently at the time of construction. Older buildings have had more limited enforcement. In the 1970's, the District did house-by-house inspections and required disconnection of downspouts and basement storm sumps. The I/I program allows the District to directly address many 'legacy' private property issues such as footing tiles and area drains. Certain simple private property issues, like downspouts and sump pump connections to the sanitary line, are expected to be addressed by property owners, consistent with enforcement practices from the 1970s.

Property owners are mailed inspection notices, informing them of the program and its necessity. If an inspection is refused, we move through the enforcement process based on requirements of the ordinance. Per ordinance, property owners have the option to hire a professional engineer to perform an inspection and submit an affidavit, if they are averse to having a District inspector in their building.

Inspections include identification of connections and fixtures in the building, as well as a television inspection of the building service line. All I/I sources are identified. As building inspection information is collected over the targeted area, staff identifies the best methods for addressing I/I sources found in the area. The largest concern is generally how to rehabilitate building service pipes to prevent groundwater

from leaking into the lines. The transition between the building plumbing and the tile, and the connection at the main, are frequently identified as heavy sources of I/I. There are drainage issues at some properties that are currently being resolved by allowing surface rainwater to enter the sanitary service in a passive manner, such as a directly connected footing tile, area drain, driveway drain, or the like. In these instances, the District will get quotes from plumbers to install a basement sump or the like to handle the runoff, with a discharge to the ground or a nearby storm drain. These repairs are expected to be paid for with District resources.

Simple issues, like downspouts or an existing storm sump connected to the service, are expected to be corrected by the owner at their expense under the ordinance, with enforcement if necessary.

Work done by the District on private property requires an access agreement (described above) and an I/I program agreement. The I/I program agreement's key provisions are that anything done or installed under the program is owned by the property owner and is their responsibility for proper operation and maintenance, and the owner will make no future claim related to participation in the program.

Agreements under this program generally get more scrutiny than other programs. If owners are reluctant to execute the required agreements, they are expected to perform the identified improvements (or better) at their own expense, in accordance with the requirements of the ordinance. To date, we have not had any property owner take this approach.

C: BOLI, RPS, CS, MGP

DOWNERS GROVE SANITARY DISTRICT REPAIR ASSISTANCE AND INFLOW AND INFILTRATION REMOVAL PROGRAMS

Bob Swirsky Sewer System Maintenance Supervisor Downers Grove Sanitary District

Downers Grove Sanitary District Background

- Special unit of local government
- Responsible for wastewater collection and treatment
- Operates 250 miles of public sewers
- Operates 9 pumping stations
- Operates one WWTF rated at 11 MGD
- 20 square mile service area
- Western suburbs of Chicago, Illinois
- 21,834 building connections
- Serves approximately 62,000 people

- Building Inspections and Code Enforcement
 - Began in 1973
 - Identify illegal connections (downspouts, sump pumps, etc.)
 - Almost Every building has been inspected at least once
 - 99% Compliance

- SSES and Sewer Rehab in 1980s (USEPA grant)
 - Sewer System Evaluation Survey 1981
 - Determine most cost effective combination of sewer system and treatment improvements
 - SSES Over 15,000 manhours
 - Recommend combination of sewer rehabilitation and additional capacity (transport and treatment)
 - Projected peak flow = 85.44 mgd
 - Peak flow after rehab = 60.0 mgd (25.44 mgd removal)
 - Facility Plan Report approved by IEPA

□ Scope of Improvements – 1980s

- Total Cost \$18.9M
- Excess Flow Improvements
 - 40 mgd capacity
 - Cost \$7M
- Trunk Sewer Capacity
 - Approximately 29,000 LF of pipe 10" 36"
 - Approximately 11,000 LF of Large Diameter 42"-54"
 - Approximately 13,000 LF of force main
 - Total Cost = \$9.8M
- Sewer Rehabilitation
 - **\$2.1** M
- USEPA Grant

Continuing SSES in late 1980s and 1990s

- Smoke testing
- Continue building inspections and code enforcement

Downers Grove Sanitary District Flow Basin I-J-16 Pilot Rehab project

- February 1994 to May 1997
- □ Install CIPP (liner) in 5,316 LF of sewer
- Grout and install liner in 16 manholes
- Install CIPP in 69 of 85 services from main to property line
- Total Cost = \$419,193
- □ No reduction in I/I

Downers Grove Sanitary District I/I Investigation History Points to Private Property

- Continuing SSES in late 1980s and 1990s (Flood Testing)
 - 1997 Flood Testing
 - 102 setups, approx 30,000 LF of sewer
 - Identified 1600 gpm of I/I
 - 90% of defects were joints, manholes and services (infiltration)
 - Only 3 sections with I/I greater than 100 gpm
 - 1998 Flood Testing
 - 25 setups, approx 7,500 LF of sewer
 - Only 98 gpm of I/I identified
 - 1999 Flood Testing
 - 23 setups, approx 7,000 LF of sewer
 - Only 1100 gpm of I/I identified

- Continued I/I problems despite SSES efforts
 - Normal dry weather flow = 7.9 mgd
 - Peak wet weather flow > 100 mgd
 - New direction needed to address I&I from private property

Downers Grove Sanitary District Current Sewer System Programs

- Developed Multiple Programs, All Have Elements of I/I Removal
 - Overhead Sewer Program
 - Building Sanitary Service Repair Assistance Program (BSSRAP)
 - Target Area I&I Removal Program

Cost Reimbursement Program For The Installation of Overhead Sewers or Backflow Prevention Devices

This program offers financial assistance to the building owner by cost sharing with the owner to upgrade their plumbing to current requirements that will protect their building in the event of surcharging in the public main caused by a blockage or extreme wet weather.





Cost Reimbursement Program For The Installation of Overhead Sewers or Backflow Prevention Devices

- The program benefits the district by eliminating the potential cost to the District from a damage claim by the owner due to a public sewer backup.
- Other benefits to the District include the identification and elimination of I&I by way of requiring that stormwater sump pits for groundwater be installed if one is not present and the elimination of older piping under the floor that could be allowing groundwater to enter the system.

- Studied for one year
- Survey sent to 20,000 building owners
- Received 5,000 completed surveys
- Prepared 231page summary of results
- Majority of surveys favored the program
- Developed estimates of annual program costs
- Approved by the Board of Trustees in 2002

Building Sanitary Service Repair Assistance Program (BSSRAP) Scope of work includes Outside cleanouts Point repairs Total service replacement

Air testing



- Contract Requirements
 - Work to be complete within 6 weeks of receiving work order
 - Emergency repairs to be started the next day
 - Contract Renewal
 - 5 year renewal period
 - Adjust unit prices based on CPI
 - Provides incentive for Contractor to satisfy and partner with DGSD

- Building Owner submits documentation of sewer problems
- DGSD televises service, inspects building and identifies defects and I/I Sources
- DGSD determines needed repairs
- Building Owner signs 2 agreements:
 - Program Compliance Agreement
 - Access Agreement
- Access agreement is recorded
- Contractor completes repair within 6 weeks
- DGSD arranges for removal of I/I sources

OCCUPANT NAME Price, Neal ADDRESS 1 West End Avenue PHONE NUMBER 630 341-4621 OWNER NAME (IF DIFFERENT) same OWNER PHONE (IF DIFFERENT)					COMPLETED NOT HOME REFUSE ENTRY VACANT OTHER		
DATE 1 NPSECTION	2/9/2014	TIME	8:00 A	M		_	
	(PE (CIRCLE ONE) MANHOLE	HOUSE TWNH	ISE APT DOWNSTREA	COMM M MANHOLE 67'	N of MH	SCHOOL 1K-001 at Burlingto	CHURCH
NTERIOR IN	ISPECTION	The ca	ard says this service	is shared with	1.000	00000000	
A Sto	rm Sump Pump 1 Sump Pun 2 Number of	Pipes Entering Pit		Y	N		
	3 Discharge 4 Sump pit s 5 Sump pit o	Location ealed condition We	are connected to foo	Y Active Wat			_
B Sar	nitary Sump Pump	flow in sump pit		Y	N		
	3 Foundatio 4 Pipe Mate	Pipes Entering Pit Check that upstrea n Drains Connected rial	am pipes were inspe	Y ected Y	N N]
	5 Pit Materia 6 Condition 7 List Plumb 8 Other		to Sump	_	Bottom	3 	
C Flo	or Drain 1 Number of					_	
	2 Pipe Mate 3 Drain Con 4 Evidence 5 Other	dition	Y	Ν			
) Sev	2 Overhead	nder Basement Floor Sewer		Y Y	NN		
E Fou	3 Part Base Indation Data 1 Slab on G	nentService / Part Ov ade	ernead Sewer	Y	N		
	2 Crawl spa 3 Full Depth 4 Shallow D	be	than 4')	Y Y Y	N N N		

DOWNERS GROVE SANITARY DISTRICT BUILDING SANITARY SERVICE REPAIR ASSISTANCE PROGRAM TV INSPECTION ADDRESS 1 West End Avenue OCCUPANT NAME Price, Neal OWNER: same MH # 1K-002 to 1K-001 15" Lined 0 DATE 12/9/2014 Area 1G-005 SERVICE LENGTH FT DEPTH AT TRANSITION FT DEPTH AT MAIN FT EVALUATION OF TELEVISION INSPECTION SUMMARY OF DEFECTS **Pipe Material:** Pipe Diameter: RECOMMENDED REPAIRS WORK ORDER# AGREEMENT RECEIVED / / DATE OF WORK ORDER Rodding Fee Paid? Y N DATE WORK COMPLETED Repair to be done by Post Repair TV Done **Restoration Done**

First Program Year Totals Inspections Done = 377Repairs Done = 284Last Program Year Totals Inspections Done = 195Repairs Done = 174This Program Year to Date Inspections Done = 183Repairs Done = 137

As of April 2022, after almost 20 years

- 4700 Inspections done = 21.5% connected buildings
- 3777 Repairs done
- Represents approximately 17.3 % of connected buildings have had repairs done under the program
- Feedback from owners has been extremely positive

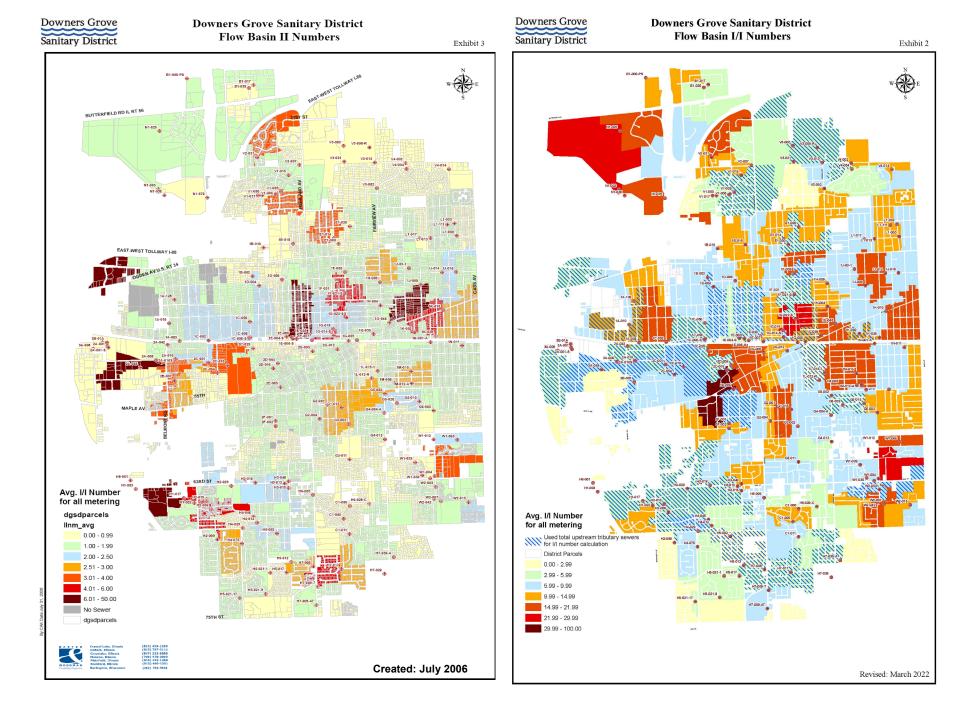
Downers Grove Sanitary District Current Sewer Rehabilitation Policy

Flow Monitoring Program

- Program started in September 1996
- Divide District into 151 flow meter basins
- 147 Metering sites (Manholes)
- Approx 8,200 LF of public sewer per basin
- Meter basin for 9 week period every 3 years
- Utilize portable Hach FL-900 for sewers
- Install magnetic flow meters at pump stations
- Purchase and install 6 rain gauges

Downers Grove Sanitary District Current Sewer Rehabilitation Policy

- Flow Monitoring Program
 - Data Analysis
 - Determine I/I in each flow basin
 - I/I Number
 - Compare flow basin I/I numbers to prioritize rehabilitation work
 - GIS map of I/I numbers



Downers Grove Sanitary District Sewer Rehab Policy – I/I Reduction

Select Target Rehabilitation Basin

Develop Criteria / Scoring System based on:

- Frequency of Sanitary Sewer Overflows (SSO)
- Frequency of Basement Backups
- Flow Monitoring Data
- System Age

DGSD Programs: I/I Removal

- Rehab approach
- Private property inspections
 - Illegal connections
 - Flood test and building service video inspection
 - Access agreement
- Complete system rehabilitation
 - Mains: Line/Grout/Replace
 - Manholes: Grout/replace
 - Services: Line/Grout/Replace
 - Eliminate private property I/I sources

Private Property Work

- Notice to Homeowners
- Schedule inspection
- Identify defects in building sanitary service
- Identify I&I sources
- Videos
- Inspection form

Downers Grove Sanitary District I&I Removal Efforts Successful Past Projects

Downers Grove Sanitary District □1H-009 IM-012A Flow Basin **E1-014** Flow Basin ARRA Multi Basin IK-028 (current on-going)

Downers Grove Sanitary District Target I/I Rehabilitation Basin 1H-009

Select I-H-9 Flow Basin as first target basin

- 188 Building connections
- Approx. 8,300 LF of sewer and 32 manholes
- Flow Data
 - 60 gpm ADF to 1,200 gpm peak flow
- Preliminary SSES work and results
 - Flood testing
 - Smoke testing
 - Small amount of I/I identified
- Inadequate storm drainage

Downers Grove Sanitary District 1H-009 Flow Basin

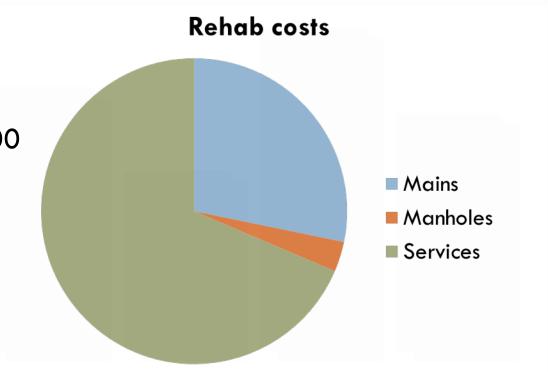
VCP Mains Lined with CIPP

Manholes Sealed with Grout or Replaced

Service Lines and Connections Sealed with "CIPP T – Liners"

DGSD Programs: Target I/I Removal

- I-H-9 Flow Basin
- Total Cost Approx \$1,500,000
 - Mains \$418,000
 - Manholes \$47,000
 - Services \$1,013,000



DGSD Programs: I/I Removal

I-H-9 Flow Basin

- 65% I/I Removal
- Reduce SSOs from 1.4/yr to 0.5/yr
- Reduce peak by 2,100 gpm \$679/

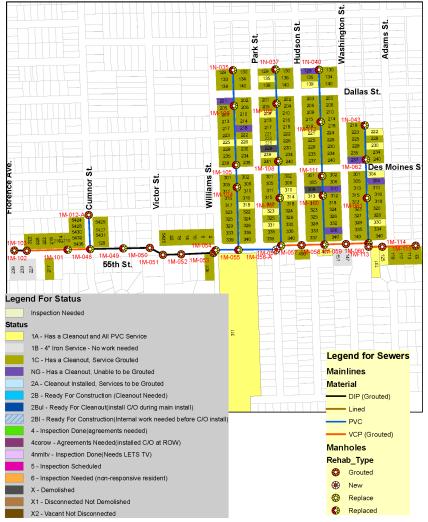
gpm



Downers Grove Sanitary District IM-012A Flow Basin

Downers Grove Sanitary District 1M-012-A Rehabilitation Area Status 12/6/2011

- Basin Characteristics
 - 9,442 LF of sewer
 - 211 services
 - 34 manholes
- Flow data
 - 50 gpm to 1200 gpm



Downers Grove Sanitary District IM-012A Flow Basin

- Content Content Section 2,653 Ft. DIP & VCP Mains Section 2,6
- □ 5,981 Ft. Open Cut Replacement

I 13 – Manholes Sealed with Grout

IT 173 – Service Lines and Connections Sealed with Grout

Downers Grove Sanitary District IM-012A Flow Basin

- I-M-12A Flow Basin
- 56% I/I Removal
- Reduce SSOs from 4.6/yr
 to 4 SSO since 2019

Reduce peak by 2,500
 gpm - \$1,093/ gpm



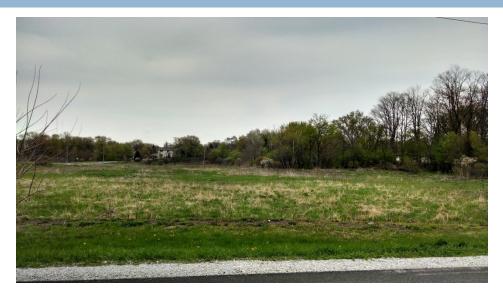
Downers Grove Sanitary District E1-014 Flow Basin

- Basin Characteristics
 - 8,021 LF of 8-inch VCP sewer
 - 165 services
 - 28 manholes
- Flow data
 - □ ADF = 25 gpm
 - Peak Flow = 750 gpm



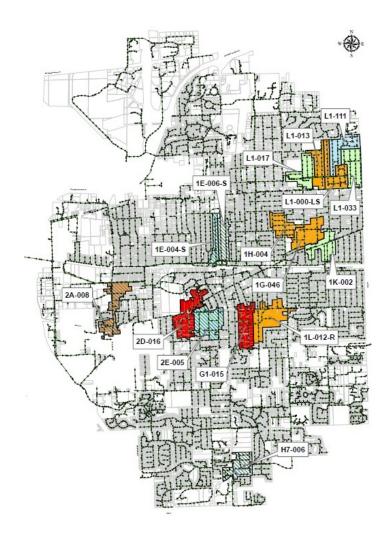
Downers Grove Sanitary District E1-014 Flow Basin

- Wetlands
- Grout 100% of The Mains and Manholes
- Service <u>Connections</u> Grouted
- Unused Stubs Sealed With Grout
- Results
 - Peak flow reduction of 45%
- Costs
 - **\$300,000**



Downers Grove Sanitary District ARRA Grouting Project 2010

- ARRA Project
 - 16 flow basins
- Scope
 - Grout mains 100,000 Ft.
 - Grout service connections
 2,000
 - Rehab MHs 440
- Results
 - Cost: \$3M
 - Reduce I/I by 21%
 - **\$222/gpm**



Downers Grove Sanitary District 1K-028 Flow Basin

Basin Characteristics

- **7,364** LF of 8-inch VCP sewer
- 1,035 LF of 10-inch VCP sewer
- 232 services
- 28 manholes
- Current Flow Data
 - □ ADF = 25 gpm
 - Peak Flow = 1,187 gpm
- I&I Reduction to Date of 57.4%

 Mainline Replacements Completed and Cost
 2016 = 1,428Ft. =\$651,022
 2019 = 2,376Ft. =\$1,303,153
 2022 = 726Ft =\$608,090*
 *To Date

IK-028 Mainline Footage Remaining= 3,408Ft.

Downers Grove Sanitary District 1K-028 Flow Basin

- I&I Ranking by Year
- 2015 = 1
- 2016 post construction = 27
- 2018 = 6
- 2019 post construction = 20
- 2020 = 15
- 2022 post construction = 17

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: April 12, 2022 Subject: Building Sanitary Service Repair Contract Award

We received bids today for a term unit-price contract for building service repairs. The specifications include repairs that we have needed under the Building Sanitary Service Repair Assistance Program, as well as certain other emergency sewer and manhole repair tasks that we typically need help with. The contract is structured to allow annual renewals for up to 5 years, with annual unit price increases tied to the Consumer Price Index (CPI).

The bidding was structured to ask for unit prices and an annual total based on our estimate of the number of each type of repair we require in a typical year.

The lowest responsive, responsible bidder was Uno Construction, the same contractor we have used to do these types of repairs under a similar contract that expires on June 30, 2022. We have had successful experience with Uno over the previous 20 years under similar contracts and have no reason to believe that award of this contract will alter that success.

Some items were added and removed from the previous time this project was out for bid; abandoning manholes and 4-inch non-shear couplings were added and internal chimney seals were deleted.

I recommend Staff seek approval from the Board at the April 19, 2022 Board of Trustees Meeting to award the Building Sanitary Service Repair Contract to the lowest responsive, responsible bidder, Uno Construction, with an annual estimated cost of \$1,429,766 for the first year, and for the General Manager and Assistant Clerk to sign the same.

C: BOT, BOLI, RPS, CS & MGP

DOWNERS GROVE SANITARY DISTRICT BUILDING SANITARY SERVICE REPAIRS BID TABULATION - March 29, 2022 - 11:00 AM

					Uno Constru				Bisping Constr		•
					Downers	-	New Lenox, IL				
۱o.	Pay Item	Approx. Quantity		1	Jnit Price		Amount		Unit Price		Amount
1	REPLACE BUILDING SANITARY SERVICE										
T	LINES:										
	6-inch PVC, SDR-26, ASTM 2241										
	Point Repair (1'-5')										
	• • •	200	aaab	ć	2 000 00	ć	400 000 00	ć	6 067 00	ć	1 212 400
	0-10 feet deep	200	each	\$	2,000.00	<u>\$</u>	400,000.00		6,067.00	_	1,213,400.
	10-15 feet deep	15	each	\$	5,000.00	\$	75,000.00	\$	8,296.00	\$	124,440.
	15-20 feet deep	5	each	\$	5,500.00	\$	27,500.00	\$	17,506.00	\$	87,530.
	Additional Service Replacement (> 5')				10 - 0						
	0-10 feet deep	450	L.F.	\$	48.50	\$	21,825.00		57.00	\$	25,650.
	10-15 feet deep	50	L.F.	\$	44.00	\$	2,200.00	\$	154.00	\$	7,700
	15-20 feet deep	20	L.F.	\$	66.00	\$	1,320.00	\$	171.00	\$	3,420
	Additional Main Replacement (> 5')										
	0-10 feet deep	50	L.F.	\$	52.00	\$	2,600.00		74.00	\$	3,700
	10-15 feet deep	50	L.F.	\$	52.00	\$	2,600.00	\$	112.00	\$	5,600
	15-20 feet deep	20	L.F.	\$	52.00	\$	1,040.00	\$	161.00	\$	3,220
	6-inch Riser pipes	50	Vert. Ft.	\$	68.50	\$	3,425.00	\$	59.00	\$	2,950
2	REPLACE SANITARY SEWER MAINS:										
	8-inch - 12-inch PVC, SDR-26										
	ASTM 2241										
	Point Repair (1'-5')										
	• • •	-	oo -k	÷	4 500 00	~		ć	1 222 00	ć	34 666
	0-10 feet deep	5	each	\$	4,500.00	\$	22,500.00		4,332.00	\$	21,660
	10-15 feet deep	5	each	\$	4,500.00	\$	22,500.00	\$	6,632.00	\$	33,160
	15-20 feet deep	5	each	\$	4,200.00	\$	21,000.00	\$	13,183.00	\$	65,915
	Additional Main Replacement (> 5')										
	0-10 feet deep	25	L.F.	\$	67.00	\$	1,675.00		66.00	\$	1,650
	10-15 feet deep	25	L.F.	\$	67.00	\$	1,675.00	\$	85.00	\$	2,125
	15-20 feet deep	25	L.F.	\$	67.00	\$	1,675.00	\$	97.00	\$	2,425
	·					<u> </u>	,			<u> </u>	,
3	REPLACE BUILDING SANITARY SERVICE										
,											
	LINES (HAND EXCAVATION):										
	6-inch PVC, SDR-26, ASTM 2241										
	Point Repair (1'-5')										
	0-10 feet deep	20	each	\$	3,000.00	\$	60,000.00	\$	4,231.00	\$	84,620
	Additional Service Replacement (> 5')										
	0-10 feet deep	50	L.F.	\$	60.00	\$	3,000.00	\$	240.00	\$	12,000
4	BUILDING FOUNDATION REPAIR:	10	each	\$	395.00	\$	3,950.00	\$	219.00	\$	2,190
5	HAND TUNNELLING:	50	L.F.	\$	140.00	\$	7,000.00	\$	205.00	\$	10,250
		50	L	Ŷ	110.00	<u> </u>	7,000.00	Ŷ	203.00	<u> </u>	10,230
5	SANITARY SEWER SERVICE FITTINGS:										
	6-inch Branch (wye) fittings										
	8-inch x 6-inch	20	each	\$	395.00	\$	7,900.00	\$	359.00	\$	7,180
	10-inch x 6-inch	5	each	\$	381.00	\$	1,905.00	\$	479.00	\$	2,395
				Ψ \$	375.00		-	Ψ \$			
	12-inch x 6-inch	5	each			\$	1,875.00		1,496.00	\$	7,480
	15-inch x 6-inch	5	each	\$	250.00	\$	1,250.00	\$	2,155.00	\$ \$	10,775
	6-inch 22 bend	25	each	\$	75.50	\$	1,887.50	\$	79.00	\$	1,975
	6-inch 45 bend	50	each	\$	75.50	\$	3,775.00	\$	84.00	\$	4,200
	6-inch 90 bend	5	each	\$	10.00	\$	50.00	\$	180.00	\$	900
	4-inch Non-Shear Coupling	40	each	\$	195.00	\$	7,800.00	\$	114.00	\$	4,560
	6-inch Non-Shear Coupling	360	each	\$	250.00	\$	90,000.00	\$	120.00	\$	43,200
	8-inch Non-Shear Coupling	20	each	\$	75.00	\$	1,500.00	\$	180.00	\$	3,600
	Service Saddle	5	each	Ψ \$	100.00	\$	500.00	↓ \$	539.00	\$	2,695
	6-inch plug	5 12	each	э \$	5.00	<u> </u>	60.00	э \$	60.00	<u> </u>	2,695
	o-men plug	12	each	Ψ	5.00	Ļ	00.00	Ψ	00.00	Ļ	720
7	MACHINE TAP MAIN, 8":	5	each	\$	200.00	\$	1,000.00	\$	697.00	\$	3,485
3	SANITARY SERVICE CLEANOUT:	240	each	\$	400.00	\$	96,000.00	\$	423.00	\$	101,520
9	REPAIR OR ADJUST SANITARY										
-	SERVICE CLEANOUT:	10	each	\$	45.00	\$	450.00	\$	512.00	\$	5,120
~											
0	BACKFILLING WITH SPECIAL GRANULAR BACKFILL MATERIALS:	1,000	СҮ	ć	52.80	\$	52,800.00	\$	57.00	\$	57,000
	UNAIVULAN DAUNTILL IVIATERIALD.	1,000	CT	\$	52.80	\$	32,000.00	Ş	57.00	<u> </u>	57,000
1	FORCE MAIN REPAIR:										
	Point Repair:			¢	1 500 00	~	4 500 00	¢	0.050.00	~	0.075
	10-inch	1	each	\$	4,500.00	<u>\$</u> \$	4,500.00	\$ \$	9,652.00 10,310.00	\$ \$	9,652 10,310
	12-inch	1	each	\$	5,000.00	<u> </u>	5,000.00		a () () A () () ()		

	14 inch	1	aaab	¢ 1,500,00	n ć	1 500 00	¢	10 117 00	ć	12 117 00
	14-inch 16-inch	1 1	each each	\$ 1,500.00 \$ 1,500.00		1,500.00 1,500.00	ծ \$	12,117.00 12,995.00	\$ \$	12,117.00 12,995.00
	20-inch	1	each	\$ 5,000.00		5,000.00	φ \$	14,571.00	\$	12,995.00
	Additional Main Replacement (<10')	-	cuon	ф 0,000.04	<u> </u>	5,000.00	Ψ	11,011100	<u> </u>	1,071.00
	10-inch	1	L.F.	\$ 23.0	D \$	23.00	\$	2,828.00	\$	2,828.00
	12-inch	1	L.F.	\$ 33.0) \$	33.00	\$	3,345.00	\$	3,345.00
	14-inch	1	L.F.	\$ 35.00		35.00	\$	5,275.00	\$ \$	5,275.00
	16-inch	1	L.F.	\$ 35.00	<u>\$</u>	35.00	\$	6,229.00	\$	6,229.00
	20-inch	1	L.F.	\$ 40.00) <u></u> \$	40.00	\$	9,294.00	\$	9,294.00
	Bypass Pumping:			• • • •	• •					
	0-2000 gpm 2000 - 4000 gpm	10	Hours	\$ 450.00 \$ 400.00		4,500.00	\$ ¢	1,159.00	\$	11,590.00
	4000 - 7500 gpm	10 10	Hours Hours	\$ 400.00 \$ 400.00		4,000.00	\$ \$	1,338.00	\$ \$	13,380.00 19,370.00
	4000 - 7500 gpm	10	HOUIS	φ 400.00	<u> </u>	4,000.00	φ	1,937.00	Ş	19,370.00
12	SANITARY SEWER MANHOLE									
	REPLACEMENT:									
	8" - 15" Sewer									
	0-10 feet deep	5	each	\$ 4,500.0	D \$	22,500.00	\$	10,895.00	\$	54,475.00
	10-15 feet deep	5	each	\$ 6,000.00	D \$	30,000.00	\$	11,064.00	\$	55,320.00
	15-20 feet deep	5	each	\$ 6,000.00) \$	30,000.00	\$	17,575.00	\$	87,875.00
	18" - 24" Sewer									
	0-10 feet deep	2	each	\$ 7,250.00		14,500.00		18,668.00	\$	37,336.00
	10-15 feet deep	2	each	\$ 7,250.00		14,500.00	\$	24,381.00	\$	48,762.00
	15-20 feet deep	2	each	\$ 5,500.00	<u>\$</u>	11,000.00	\$	24,381.00	\$	48,762.00
13	ABANDONMENT OF SANITARY SEWER									
	MANHOLE (48 INCH):		oach	6 450.00	n ć	1 000 00	۲	6 161 00	ć	24 644 00
	0-10 feet deep 10-15 feet deep	4 4	each each	\$ 450.00 \$ 550.00		1,800.00 2,200.00	\$ \$	6,161.00 6,936.00	\$ \$	24,644.00 27,744.00
	15-20 feet deep	4	each	\$ 1,000.00		4,000.00	ې \$	13,183.00	<u>ې</u> \$	52,732.00
	13-20 leet deep	4	each	\$ 1,000.00	<u>, </u>	4,000.00	ې	13,183.00	ڔ	52,752.00
14	EXTERNAL MANHOLE CHIMNEY SEAL:	15	each	\$ 450.00	<u> </u>	6,750.00	\$	1,124.00	\$	16,860.00
		10	cuen	. , , , , , , , , , , , , , , , , , , ,	<u> </u>	0,730.00	Ŷ	1,12 1.00	<u> </u>	10,000.00
15	PROVIDE MANHOLE ACCESSORIES:									
	Frame and Cover	5	each	\$ 500.00	D \$	2,500.00	\$	1,287.00	\$	6,435.00
	Cover	5	each	\$ 140.00		700.00	\$	209.00	\$	1,045.00
	Adjusting Rings	5	each	\$ 82.5		412.50	\$	771.00	\$	3,855.00
16	ADJUST MANHOLE FRAME AND COVER:									
	0-12 Inch Dia. Paved Area	5	each	\$ 1,000.0		5,000.00	\$	2,017.00	\$	10,085.00
	0-12 Inch Dia. Non-Paved Area	5	each	\$ 800.0		4,000.00	\$	637.00	\$	3,185.00
	12-48 Inch Dia. Paved Area	2	each	\$ 1,000.00		2,000.00	\$	994.00	\$	1,988.00
	12-48 Inch Dia. Non-Paved Area	2	each	\$ 900.00) \$	1,800.00	\$	773.00	\$	1,546.00
47										
17	REPLACEMENT OF EXISTING STORM SEWER:	20		ć 20.0	n ć	600.00	ć	78.00	ć	1 5 60 00
	4-inch perforated PVC 8-inch PVC	20 20	L.F. L.F.	\$ 30.00 \$ 25.00		600.00 500.00	\$ \$	78.00	\$ \$	1,560.00 3,620.00
	8-11111 PVC	20	L.F.	\$ 25.0	<u> </u>	500.00	Ş	181.00	Ş	5,020.00
18	ABANONDMENT OF EXISTING CATCH									
10	BASIN:	5	each	\$ 400.00	D \$	2,000.00	\$	1,641.00	\$	8,205.00
			00011	φ	<u> </u>	_,	Ŧ	_,	<u>+</u>	0)20000
19	RESTORATION OF LAWNS									
	AND PARKWAYS:									
	Topsoil and sod	4,700	SY	\$ 16.50) \$	77,550.00	\$	17.00	\$	79,900.00
	Topsoil and seed	450	SY	\$ 5.50) \$	2,475.00	\$	4.00	\$	1,800.00
	Respread and Fine Grade Topsoil and N	450	SY	\$ 3.7	5 \$	1,687.50	\$	5.00	\$	2,250.00
20	RESTORATION OF STREETS:					_				
	Bit. Concrete Street	150	SY	\$ 50.00		7,500.00	\$	84.00	\$	12,600.00
	Bit. Concrete Driveway	125	SY	\$ 40.00		5,000.00	\$ ¢	84.00	\$	10,500.00
	PCC Base Course	50	SY	\$ 80.00		4,000.00	\$ ¢	53.00	\$	2,650.00
	Bituminous Base Course	50 50	SY	\$ 65.00		3,250.00 4,500.00	\$ ¢	53.00	\$ ¢	2,650.00
	PCC Street PCC Driveway	50 50	SY SY	\$ 90.00 \$ 90.00		4,500.00	\$ \$	132.00 132.00	\$ \$	6,600.00 6,600.00
	Gravel Driveway	50 50	SY	\$ 90.00 \$ 20.00		4,500.00	ې \$	23.00	ې \$	1,150.00
	PCC Sidewalk	200	SF	\$ 10.00		2,000.00	\$ \$	10.00	\$ \$	2,000.00
	PCC Curb and Gutter	50	L.F.	\$ 20.00		1,000.00	\$	60.00	Ś	3,000.00
	Gravel Shoulder	50	L.F.	\$ 7.2		362.50	\$	37.00	\$ \$	1,850.00
	Temporary Cold Patch	150	SY	\$ 45.00		6,750.00	\$	48.00	\$	7,200.00
	· ·					,	l			
21	SEWER TESTING FOR									
	FINAL INSPECTION:	5	each	\$ 1,100.00	<u>\$</u>	5,500.00	\$	1,197.00	\$	5,985.00
22	EXPLORATORY EXCAVATION:	15	L.F.	\$ 85.00	<u>\$</u>	1,275.00	\$	150.00	\$	2,250.00
<u> </u>										
23	EMERGENCY REPAIR AND CLEANOUT									
	INSTALLATION:	85	oach	\$ 440.00	n ć	27 400 00	\$	2 1 7 / 00	ę	265 540 00
l	Weekdays	85	each	\$ 440.00	<u> </u>	37,400.00	Ş	3,124.00	\$	265,540.00

	Weekends	5	each	\$ 300.00	\$	1,500.00	\$	3,986.00	\$	19,930.00
	Holidays	5	each	\$ 300.00	\$	1,500.00	\$	7,685.00	\$	38,425.00
24	TRAFFIC CONTROL AND PROTECTION:	10	each	\$ 165.00	\$	1,650.00	\$	626.00	\$	6,260.00
25	ROD SERVICE:									
	First hour	200	each	\$ 400.00	\$	80,000.00	\$	383.00	\$	76,600.00
	Each additional hour	20	each	\$ 95.00	\$	1,900.00	\$	269.00	\$	5,380.00
26	BONDING:									
	Payment Bond	1	each	\$ 13,000.00	\$	13,000.00	\$	20,000.00	\$	20,000.00
	Performance Bond	1	each	\$ 13,000.00	\$	13,000.00	\$	20,000.00	\$	20,000.00
	Warranty Bond	1	each	\$ 13,000.00	\$	13,000.00	\$	10,000.00	\$	10,000.00
27	COORDINATION WITH PLUMBER FOR REPAIR OF PIPE SHEAR:	20	each	\$ 15.00	Ś	300.00	Ś	311.00	\$	6,220.00
		20	Cach	 15.00	<u>ب</u>	500.00	Ŷ	511.00	<u>ې</u>	0,220.00
	ΤΟΤΑΙ	L AMOUNT	OF BID:		\$	1,429,766.00			\$ 3	3,214,740.00

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: April 11, 2022 Subject: Outfall Sewer Sag Repair Contract Award

We opened bids for the Outfall Sewer Sag project on March 29, 2022. Attached is the award recommendation letter from Baxter & Woodman.

The project scope includes removing and replacing approximately 200 lineal feet of a sagged section of 42-inch sanitary sewer, connection to existing sewer, root removal, and cleaning of the entire length of pipe. The project is partially located in a wetland buffer along St. Joseph Creek which requires very specific restoration procedures, including a three-year monitoring requirement. As part of this project, the existing access road will be rehabilitated.

The lowest bid came in below the engineer's estimate of \$960,000. The project will be funded from the general fund. While the project has come in under budget, there are several items that could bring the project closer to the budgeted amount. The last time the pipe was cleaned of roots was April 2016, so it is unclear if the quantity of time included in the contract unit price item is sufficient. In addition, the cash allowance for the railroad flagger could fluctuate depending on the construction schedule.

We received four bids for the project. The low bidder, Archon Construction of Addison, Illinois, has previously conducted work for the District, and is well qualified to do this work.

Staff recommends awarding the Outfall Sewer Sag Repair Contract to the lowest responsible and responsive bidder, Archon Construction of Addison, Illinois, in the amount of \$805,092.00, and will be seeking permission for the General Manager and Assistant Clerk to sign the same.

C: BOT, BOLI, CS, RPS & MGP



8840 West 192nd Street, Mokena, IL 60448 • 815.459.1260 • baxterwoodman.com

March 31, 2022

President and Board of Trustees Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Illinois 60515

Attention: Mrs. Amy R. Underwood, P.E., General Manager

<u>RECOMMENDATION TO AWARD</u> Subject: Downers Grove Sanitary District – Outfall Sewer Sag Repair

Dear President and Trustees:

The following bids were received for the Project on March 29, 2022:

<u>Bidder</u>	<u>Bid Amount</u>
Archon Construction Addison, Illinois	\$805,092.00 (as corrected)
Misfits Construction Chicago, Illinois	\$939,750.00
Sheridan Plumbing & Sewer, Inc Bedford Park, Illinois	\$943,850.00 (as corrected)
Swallow Construction Corp. West Chicago, Illinois	\$1,205,576.45

Our pre-bid opinion of probable cost for the project was \$960,000.

We have analyzed each of the bids and find Archon Construction to be the lowest, responsible, and responsive bidder. Based on our prior experience with this bidder, and their experience completing similar projects, we believe that Archon Construction is qualified to complete the project.



We recommend award of the Contract to Archon Construction in the amount of **\$805,092.00.** The executed bid tab is enclosed for your files.

Please advise me of your decision.

Sincerely,

BAXTER & WOODMAN, INC. CONSULTING ENGINEERS

ent Wold

Derek J. Wold, P.E., BCEE Vice-President / Water-Wastewater Group Leader

Enc.

 $I:\Crystal Lake\DGSD1\180237-Outfall Sag Repair\40-Design\12-Bidding\Award Recommendation\Award - Recommendation - Sewer Outfall Sag Repair.doc$

Downers Grove Sanitary District, IL Outfall Sewer Sag Repair

Bid Date/Time: March 29, 2022/10:00 AM Engineer's Job No. 180237.40

				Engineer	's Estimate	Archon C	Construction	Misfits Co	onstruction	Sherio	dan P&S	Swallow Construction		
No.	Item	QTY	Unit	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
				Price	Price	Price		Price		Price		Price		
1.2	Erosion and Sedimentation Control													
	Silt Fence		Lin. Ft.	\$ 7.70	\$ 4,158.00	\$ 18.00	\$ 9,720.00	\$ 10.00	\$ 5,400.00	\$ 12.50	\$ 6,750.00	\$ 6.50	\$ 3,510.00	
	Erosion Control Blanket	1,000	Sq. Yd	\$ 3.30	\$ 3,300.00	\$ 8.00	\$ 8,000.00	\$ 8.00	\$ 8,000.00	\$ 13.00	\$ 13,000.00	\$ 2.15	\$ 2,150.00	
	Temporary Construction Mat	250	Sq. Yd	\$ 18.70	\$ 4,675.00	\$ 141.00	\$ 35,250.00	\$ 5.00	\$ 1,250.00	\$ 82.50	\$ 20,625.00	\$ 60.00	\$ 15,000.00	
1.3	Access Road Not in Flood Plain	450	Cu. Yd.	\$ 150.00	\$ 67,500.00	\$ 131.00	\$ 58,950.00	\$ 160.00	\$ 72,000.00	\$ 185.00	\$ 83,250.00	\$ 180.00	\$ 81,000.00	
1.4	Access Road in Flood Plain	300	Cu. Yd.	\$ 150.00	\$ 45,000.00	\$ 131.00	\$ 39,300.00	\$ 220.00	\$ 66,000.00	\$ 195.00	\$ 58,500.00	\$ 160.00	\$ 48,000.00	
1.5	Mobilization for Tree Removal	1	Lump	\$ 5,500.00	\$ 5,500.00	\$ 10,000.00	\$ 10,000.00	\$ 103,500.00	\$ 103,500.00	\$ 3,000.00	\$ 3,000.00	\$ 15,000.00	\$ 15,000.00	
1.6	Tree Removal													
	6-inch to 15-inch Diameter	80	Each	\$ 220.00	\$ 17,600.00	\$ 84.00	\$ 6,720.00	\$ 80.00	\$ 6,400.00	\$ 250.00	\$ 20,000.00	\$ 436.00	\$ 34,880.00	
	Over 15-inch Diameter	20	Each	\$ 605.00	\$ 12,100.00	\$ 168.00	\$ 3,360.00	\$ 160.00	\$ 3,200.00	\$ 350.00	\$ 7,000.00	\$ 968.00	\$ 19,360.00	
1.7	Sanitary Sewer Cleaning													
	42" Diameter	100	Hour	\$ 385.00	\$ 38,500.00	\$ 882.00	\$ 88,200.00	\$ 600.00	\$ 60,000.00	\$ 550.00	\$ 55,000.00	\$ 1,290.00	\$ 129,000.00	
1.8	Root Removal						, , , , , , , , , , , , , , , , , , ,							
	42" Diameter	100	Hour	\$ 684.00	\$ 68,400.00	\$ 1.313.00	\$ 131,300.00	\$ 1,250.00	\$ 125,000.00	\$ 1,175.00	\$ 117,500.00	\$ 2,300.00	\$ 230,000.00	
	15" Sanitary, Village of Lisle	20	Hour	\$ 684.00	\$ 13,680.00	\$ 105.00	, ,	1 /	\$ 2,000.00	, ,	,	\$ 640.00	\$ 12,800.00	
	29"x45" Storm Sewer, DuPage County	20	Hour	\$ 684.00	\$ 13,680.00	\$ 105.00	\$ 2,100.00	\$ 100.00	\$ 2,000.00	\$ 100.00	\$ 2,000.00	\$ 640.00	\$ 12,800.00	
1.9	Sanitary Syphon Cleaning						, , , , , , , , , , , , , , , , , , ,							
	Junction Chamber, OS-010	16	Hour	\$ 825.00	\$ 13,200.00	\$ 158.00	\$ 2,528.00	\$ 150.00	\$ 2,400.00	\$ 150.00	\$ 2,400.00	\$ 715.00	\$ 11,440.00	
	Junction Chamber, OS-011		Hour	\$ 825.00	\$ 13,200.00		\$ 2,528.00	\$ 150.00	\$ 2,400.00	\$ 150.00	\$ 2,400.00	\$ 715.00	\$ 11,440.00	
	Syphon Barrels, 30-inch Diameter		Hour	\$ 825.00	\$ 39,600.00	\$ 158.00	\$ 7,584.00	\$ 150.00	\$ 7,200.00	\$ 150.00	\$ 7,200.00	\$ 715.00	\$ 34,320.00	
1.10	Televising of Existing Sanitary Sewer				. ,	¢	¢ 1,001100	φ .co.co	¢ .,_cc.cc	+	¢ ,	•	¢ 0.,020.000	
	42", from MH OS-13 to MH OS-14	1	Lump	\$ 18,150.00	\$ 18,150.00	\$ 15,750.00	\$ 15,750.00	\$ 30,000,00	\$ 30,000.00	\$ 10.000.00	\$ 10,000.00	\$ 50,000.00	\$ 50,000.00	
	Lisle 15" Sanitary, Before Excavation		Lump	\$ 6,600.00	\$ 6,600.00	\$ 6,825.00			\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 9,316.45		
	Lisle 15" Sanitary, After Excavation		Lump	\$ 6,600.00	\$ 6,600.00	\$ 5,250.00	1 /	\$ 6,500.00	. ,	\$ 4,500.00		\$ 7,166.50		
	Dupage County 29"x45" Storm Sewer,		Lump	\$ 3,300.00	\$ 3,300.00	\$ 7,350.00			\$ 10,000.00			\$ 15,000.00		
	Dupage County 29"x45" Storm Sewer,		Lump	\$ 3,300.00	\$ 3,300.00		\$ 6,825.00	\$ 8,500.00	\$ 8,500.00	\$ 6,500.00	\$ 6,500.00	\$ 9,450.00	\$ 9,450.00	
	Syphon Barrels, 30" diameter, After		Each	\$ 4,950.00	\$ 9,900.00	\$ 26,250.00	1 /			\$ 22,500.00		\$ 50,000.00	\$ 100,000.00	
1.11	Exploratory Excavation		Each	\$ 2,750.00	\$ 8,250.00	\$ 2,499.00					\$ 11,925.00		\$ 4,500.00	
	Removal and Replacement of Sanitary		Lin. Ft.	\$ 2,200.00	\$ 440,000.00		\$ 146,600.00		\$ 180,000.00	\$ 1,525.00		\$ 900.00	\$ 180,000.00	
1.13			Cu. Yd.	\$ 88.00	\$ 14,960.00		\$ 16,660.00		\$ 34,000.00	. ,	\$ 29,750.00	\$ 48.55	\$ 8,253.50	
1.14	Clay Dam		Cu. Yd.	\$ 200.00	\$ 4,000.00	\$ <u>28.00</u>					. ,	\$ 200.00		
	Televising of New Sewer for Final	20		÷ 200.00	+ 1,000.00	φ <u>20.00</u>	φ <u>000.00</u>	φ 100.00	φ 2,000.00	φ -00.00	\$ 0,000.00	φ <u>200.00</u>	φ 4,000.00	
<u> </u>	42" After Cleaning OS-13 to OS-14	1	Lump	\$ 18,150.00	\$ 18,150.00	\$ 26 250 00	\$ 26,250.00	\$ 15,000.00	\$ 15,000.00	\$ 10,000,00	\$ 10,000,00	\$ 50,000.00	\$ 50,000.00	
	Syphon Barrels		Lump	\$ 9,900.00	\$ 9,900.00		\$ 26,250.00				. ,			

Downers Grove Sanitary District, IL Outfall Sewer Sag Repair

Bid Date/Time: March 29, 2022/10:00 AM Engineer's Job No. 180237.40

				Engineer's Estimate		Archon Construction		Misfits Construction		Sheridan P&S		Swallow Construction		truction	
No.	Item	QTY	Unit	Unit	Total	Unit	Total		Unit	Total	Unit	Total	Unit		Total
				Price	Price	Price			Price		Price		Price		
1.16	Restoration of Lawns and Parkways														
	Seeding - Turf	200	Sq. Yd	\$ 13.20	\$ 2,640.00	\$ 16.00	\$ 3,200.00	\$	8.00	\$ 1,600.00	\$ 13.00	\$ 2,600.00	\$ 9.75	\$	1,950.00
	Seeding - Native	800	Sq. Yd	\$ 16.50	\$ 13,200.00	\$ 21.00	\$ 16,800.00	\$	8.00	\$ 6,400.00	\$ 18.00	\$ 14,400.00	\$ 10.75	\$	8,600.00
1.17	Trees and Ground Cover														
	Shrub - Cornus Sericea (Red-Oser	10	Each	\$ 132.00	\$ 1,320.00	\$ 263.00	\$ 2,630.00	\$	750.00	\$ 7,500.00	\$ 990.00	\$ 9,900.00	\$ 92.00	\$	920.00
	Shrub - Sambucus Canadensis (Common	10	Each	\$ 132.00	\$ 1,320.00	\$ 263.00	\$ 2,630.00	\$	750.00	\$ 7,500.00	\$ 115.00	\$ 1,150.00	\$ 92.00	\$	920.00
1.18	Landscaping and Monitoring														
	Vegetation Management	0.5	Acres	\$ 2,750.00	\$ 1,375.00	\$ 42,000.00	\$ 21,000.00	\$	5,000.00	\$ 2,500.00	\$ 11,000.00	\$ 5,500.00	\$ 21,600.00	\$	10,800.00
	Monitoring and Reporting	3	Years	\$ 3,850.00	\$ 11,550.00	\$ 2,625.00	\$ 7,875.00	\$	3,500.00	\$ 10,500.00	\$ 4,500.00	\$ 13,500.00	\$ 3,000.00	\$	9,000.00
1.19	CASH ALLOWANCE - Railroad Permitting	1	Lump	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 2	25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$	25,000.00
					\$ 959,608.00		\$ 805,092.00			\$ 939,750.00		\$ 943,850.00		\$ 1,2	205,576.45
	Engineer's Estimate of Cost Bidder's Proposal as read Bidder's Proposal as corrected						\$ 959,608.00 \$ 797,217.00 \$ 805.092.00			\$ 959,608.00 \$ 939,750.00 \$ 939,750.00		\$ 959,608.00 \$ 955,350.00 \$ 943,850.00		\$ 1,2	959,608.00 205,576.45 205,576.45

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang

Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org **General Manager** Amy R. Underwood

Legal Counsel Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: April 13, 2022 Subject: 2022 Sewer Televising Contract Award

This year we budgeted \$100,000 to conduct contract televising of sewers to improve our sewer condition assessment database. Incidental sewer cleaning is needed in order to produce the needed video footage.

We prepared detailed specifications and identified the locations of this year's work.

The project was advertised for bidding as required. We received four bids, which were opened on March 29, 2022. The results of the bids are included in the attached bid tabulation.

We have reviewed the bids and recommend award to Sewertech LLC of Schaumburg, Illinois, as the lowest responsive, responsible bidder, with a total bid price of \$139,473.30.

Since the bids in the past couple of years have come in well below budget, additional footage was included in this year's scope. Unfortunately, the unit prices provided in this bid are significantly higher than the previous year, consistent with the price increases that the District has experienced on other goods and services due to the current economic climate. As a result, the bids came in over budget. District staff will adaptively manage this project to either reduce the scope and thereby keep the expense within budget or to use funding from other projects should any be completed for less than budgeted.

Sewertech LLC was the low bidder last year and performed satisfactory work. Several surrounding municipalities have also worked successfully with this contractor on similar projects and have confidence in their ability to complete the project.

Staff will be seeking approval from the Board of Trustees at the April 19, 2022 Board of Trustees meeting to award the 2022 Sewer Televising contract to Sewertech LLC of Schaumburg, Illinois in the amount of \$139,473.30 and for the General Manager and Assistant Clerk to sign the same.

C: BOT, BOLI, CS, MGP, RPS, TMF

DOWNERS GROVE SANITARY DISTRICT 2022 Sewer Televising Contract Bid Opening: March 29, 2022 - 1:00 PM

				Sewer	tech LLC	Visu-Sewer o	of Illinois, LLC		ibing & Sewer, ic.	Duke's Root Control	
				Schaumburg, IL		Bridge	view, IL	Bedford	l Park, IL	Elgin, IL	
		Appro	oximate	Unit		Unit		Unit		Unit	
No.	Pay Item	Qu	antity	Price	Amount	Price	Amount	Price	Amount	Price	Amount
Part A	A Locations with full vehicle access										
А.	1 SANITARY SEWER TELEVISING										
	8 inch to 16 inch	78,563	Lin. Ft.	\$1.30	\$102,131.90	\$2.32	\$182,266.16	\$3.15	\$247,473.45	\$5.50	\$432,096.50
	18 inch to 24 inch	8,592	Lin. Ft.	\$1.70	\$14,606.40	\$2.32	\$19,933.44	\$8.60	\$73,891.20	\$5.50	\$47,256.00
A.:	2 SANITARY SEWER HEAVY CLEANING	40	Hours	\$250.00	\$10,000.00	\$375.00	\$15,000.00	\$635.00	\$25,400.00	\$600.00	\$24,000.00
Part B	Locations requiring an Easement Machine										
B.1	SANITARY SEWER TELEVISING 12 inch to 16 inch 18 inch	1,862 2,232	Lin. Ft. Lin. Ft.	\$2.50 \$2.50	\$4,655.00 \$5,580.00	\$5.62 \$5.62	\$10,464.44 \$12,543.84	\$8.05 \$9.60	\$14,989.10 \$21,427.20	\$8.00 \$8.00	\$14,896.00 \$17,856.00
B.2	SANITARY SEWER HEAVY CLEANING	10	Hours	\$250.00	\$2,500.00	\$500.00	\$5,000.00	\$635.00	\$6,350.00	\$700.00	\$7,000.00
	Total Proposal as Read Total Proposal as Corrected		\$139,473.30 \$139,473.30		\$245,207.88 \$245,207.88		\$389,524.25 \$389,530.95		\$543,105.00 \$543,104.50		

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang

Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org **General Manager** Amy R. Underwood

Legal Counsel Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: April 12, 2022 Subject: 2022 Unsewered Area Plan

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.

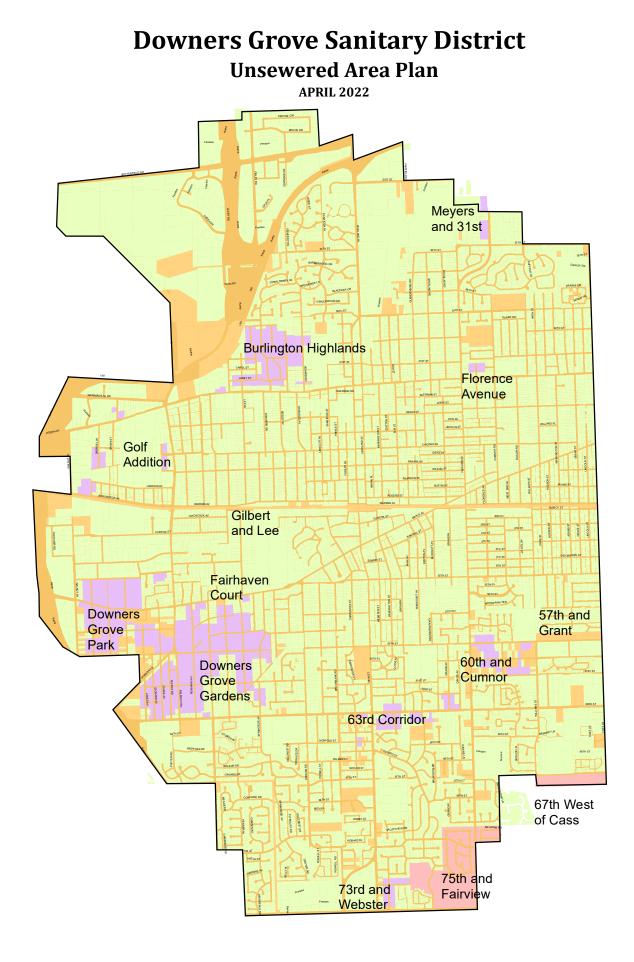
This year's annual update to the District's Unsewered Area Plan has been completed by District staff followed by a quality control review done by Baxter & Woodman. The changes to the plan typically include new construction projects and changes in the construction cost index. District staff have completed the following modifications:

- Evaluated unit prices using changes in the construction cost index to estimate the project costs in 2022. The construction cost index increased since the last update in 2021. Therefore, the 2021 unit prices were increased by 9.78 percent to reflect 2022 construction costs.
- 2. Revised quantities and other information in the Downers Grove Gardens sub-area to reflect 2021 new sewer construction in the Woodward and 63rd Street sub-basin along Woodward Ave.

This annual update to the Unsewered Area Plan will be presented to the Board of Trustees for approval at the April 19, 2022 Board Meeting. Upon Board Approval the document will be posted to the District's website.

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

C: BOT, BOLI, KWS, CS, MGP



Downers Grove Sanitary District

Unsewered Area Plan April 2022

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4.13	Plan Summary

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.

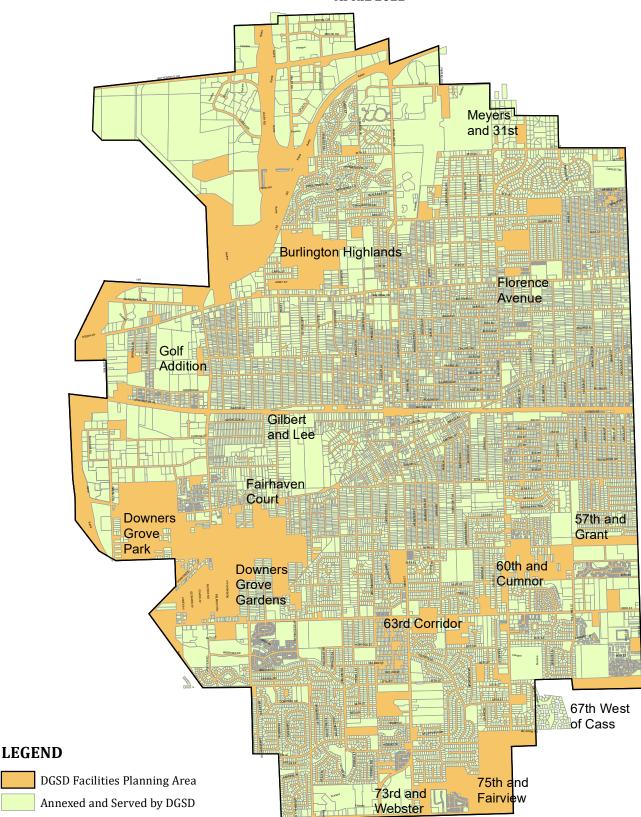
There are sewer users within the District FPA that are served by neighboring designated FPA authorities. These sewer users are located in the 75th and Fairview area and the area along 67th west of Cass, shown on Exhibit 2, which are served by DuPage County Public Works (Marianbrook FPA).

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

APRIL 2022

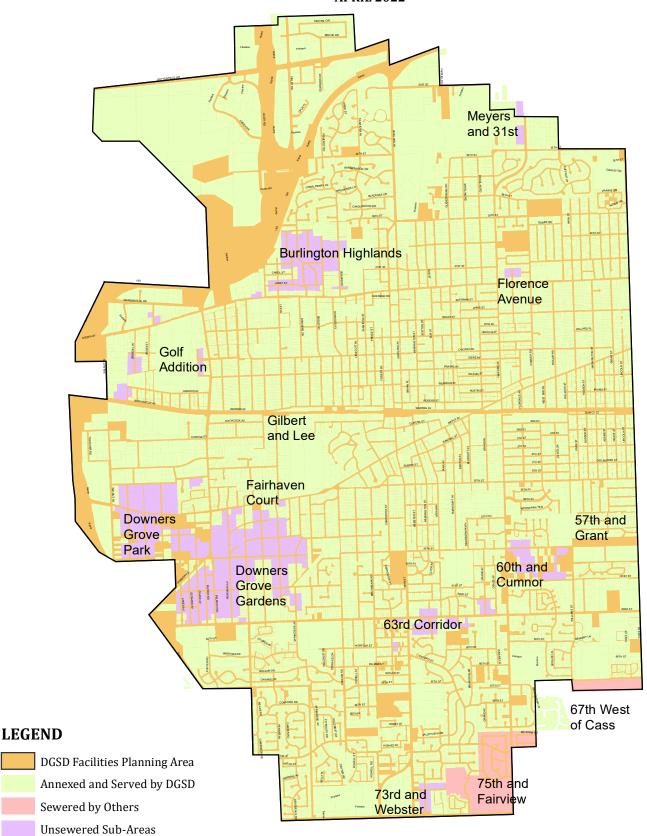


Facilities Planning Area Boundary Map Based on Chicago Metropolitan Agency for Planning FPA Boundary Map of December, 2005

Downers Grove Sanitary District



APRIL 2022



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

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.

(Sanitary sewers are available as of March 2015.)

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 2022.

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.

10

4.1 73rd and Webster

The unsewered area at 73rd Street and Webster Street includes 25 lots that are already developed as single family residential, 9 facing 73rd Street along the north side, and 16 facing Webster directly south of 73rd 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^{th} Street at Webster Street, an existing manhole on the west side of Main Street at 73^{rd} Street, an existing manhole located on Webster Street just south of Old Orchard Avenue, and/or an existing sewer at Baybury Road and 73^{rd} .

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 73rd 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^{rd} are best served from the manhole to the north, to avoid a crossing at Main Street. The manhole at Baybury and 73^{rd} 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 1,000,500 including contingency, engineering, easements, and legal/administrative costs. Some easement acquisition is required along 73^{rd} street to avoid the nearby water main.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

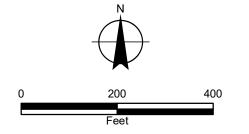
EXHIBIT 4.1

73rd AND WEBSTER POSSIBLE SEWER ALIGNMENT

April 2022

LEGEND

•	PROPOSED MANHOLES
	PROPOSED SEWERS
\bigcirc	EXISTING MANHOLES
	EXISTING SEWERS
	PARCEL BOUNDARIES
	73RD AND WEBSTER



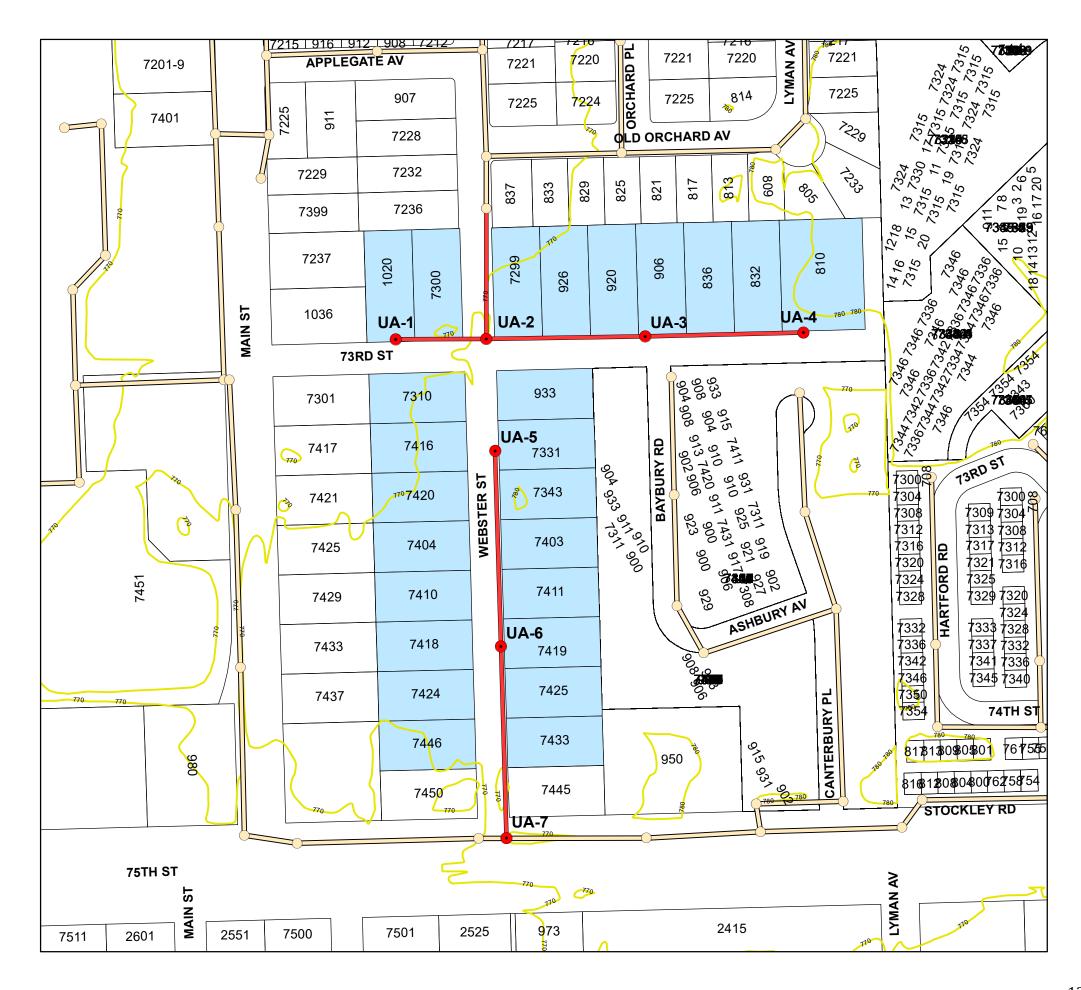


Table 4.1-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers73rd and WebsterPreliminary Design Layout

	ary Design Layout					Manhole
	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	<u>Depth</u>
73rd Stre	eet					
	H-7-9-42 (existing)	765.3	755.09			10.2
				310	1.50%	
	UA-2	771.8	759.74	250	1.50%	12.1
	UA-3	775.5	764.99	350	1.50%	10.5
				340	0.40%	
	UA-4	777.5	766.35			11.2
		760 F	760 54	200	0.40%	8.0
	UA-1	768.5	760.54			8.0
<u>Webster</u>	Street					
	UA-7	770.7	760.77			9.9
				400	0.80%	
	UA-6	774.3	763.97			10.3
		776.0	767 47	400	0.80%	0.0
	UA-5	776.0	767.17			8.8

No.	Pay Item		Approxir Quant			Unit Price		Amount
MAIN	ILINE SEWER							
1	SANITARY SEWER (OPEN 8-inch	CUT) 8-12 feet deep	2,000	lin. ft.	\$	96.00	\$	\$192,000
2	SANITARY MANHOLES 48-inch	8-12 feet deep	7	each	\$	7,000.00	\$	\$49,000
3	CONNECTION TO EXISTIN 8-inch	G MANHOLE	1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL 8-inch	8-12 feet deep	1,097	lin. ft.	\$	124.00	\$	\$136,028
6	SEWER TELEVISING FOR	FINAL INSPECTION	ON 2,000	lin. ft.	\$	3.00	\$	\$6,000
7	SEWER TESTING FOR FIN	AL INSPECTION	2,000	lin. ft.	\$	3.00	\$	\$6,000
8	CULVERT REMOVAL AND 12-inch	REPLACEMENT	108	lin. ft.	\$	89.00	\$	\$9,612
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	i	2,160	sq.yd.	\$	15.00	\$	\$32,400
10	RESTORATION OF STREE Bit. Concrete Street	TS:	630	sq.yd.	\$	70.00	\$	\$44,100
11	REMOVE AND REPLACE D Bituminous Concrete	RIVEWAYS	58 43	sq.yd. sq.yd.	\$ \$	53.00 89.00	\$ \$	\$3,074 \$3,827
12	REMOVE AND REPLACE S 5-foot PCC	IDEWALK	50	sq.ft.	\$	14.00	\$	\$700
13	TREE REMOVAL AND TRIM	MING:			Lun	np Sum	\$	\$730
14	EROSION CONTROL				Lun	np Sum	\$	\$1,095

Table 4.1-2Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers73rd and WebsterEngineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxin Quant		Unit Price		Amount
15	TRAFFIC CONTROL			Lump Sum	\$	\$3,650
	SUBTOTAL				\$	\$500,466
SER	VICE LATERALS					
1	BUILDING SERVICE LINES Near Side Far Side	396 1,233	lin. ft. lin. ft.	\$	\$ \$	\$21,780 \$67,815
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far Side	16 9	each each	\$ 608.00 \$ 749.00	\$	\$9,728 \$6,741
3	BUILDING SERVICE PLUGS:	25	each	\$ 228.00	\$	\$5,700
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	260	sq.yd.	<u>\$</u> 12.00	\$	\$3,120
5	RESTORATION OF STREETS: Bit. Concrete Street	172	sq.yd.	\$ 69.00	\$	\$11,868
6	TRENCH BACKFILL 0-8 feet deep	295	lin. ft.	\$ 68.00	\$	\$20,060
	SUBTOTAL				\$	\$146,812
	TOTAL ESTIMATE OF C	CONSTRUCTION COST			\$	\$647,300
		Contingencies Engineering Legal / Admin Easement Acquisition	(20%) (20%) (6%)			\$129,500 \$129,500 \$54,400 \$39,800
	TOTAL OPINION OF PR	OBABLE COST			\$	\$1,000,500

Cost per lot \$40,020

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, 59th 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 subarea 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, 59th 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 59th 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 59th, and Lomond and 59th. 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:

Sub-basin	No. of Services	Layout	Cost Estimate
Katrine-Maple (North)	25	Table 4.2-1	Table 4.2-2
Inverness-Lomond-Elinor-Maple (No	orth) 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 \$946,200, 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 \$3,011,800, 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 \$197,400, including contingency, engineering, and legal/administrative costs.

The Katrine-College (South) sub-basin sewer plan will follow the drainage divide south to 59th 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 \$655,200, including contingency, engineering, and legal/administrative costs.

The Lomond-College (South) sub-basin sewer plan will follow the drainage divide south to 59th 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 59th 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 \$985,200, 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 59th 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 \$417,100, including contingency, engineering, and legal/administrative costs.

The Janes-College (South) sub-basin will also flow south to 59th Street. Design drawings for the sewers from 59th 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 \$444,700, 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 \$713,800, including contingency, engineering, and legal/ administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

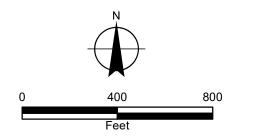
EXHIBIT 4.2

DOWNERS GROVE PARK POSSIBLE SEWER ALIGNMENT

April 2022

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



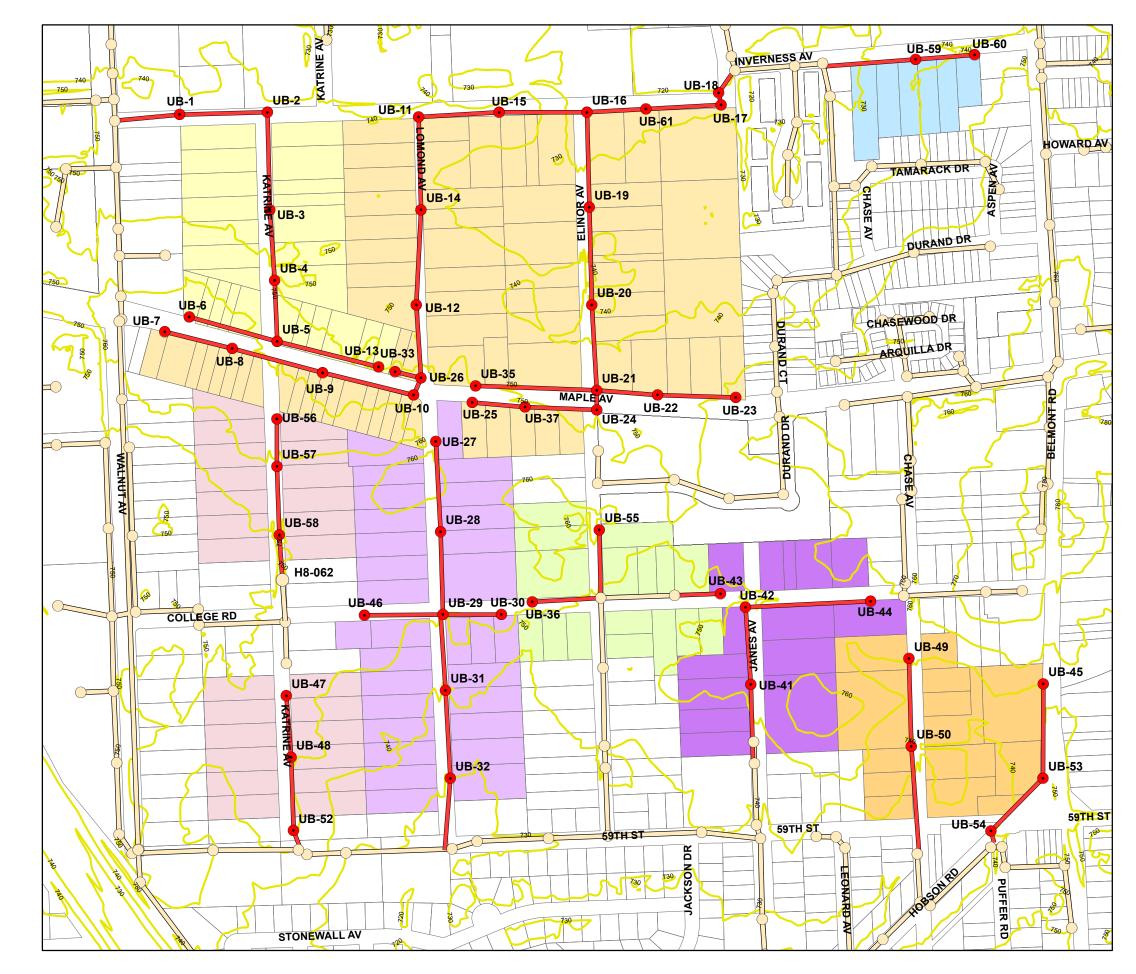


Table 4.2-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Katrine-Maple (North)

Preliminary Design

Manhole Number	Rim	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
		invent	<u>Longer (n)</u>	0.000	Dopin
Katrine Avenue					
3-A-23 (existing)	748.1	732.36			15.7
5-A-25 (existing)	740.1	752.50	255	1.00%	15.7
UB-1	741.0	734.91			6.1
			346	0.40%	
UB-2	742.0	736.29	400	0.40%	5.7
UB-3	746.3	737.89	400	0.4078	8.4
			300	0.40%	
UB-4	749.5	739.09			10.4
UB-5	757.3	740.19	275	0.40%	17.1
08-5	151.5	740.19			17.1
Maple Avenue					
UB-13	749.0	741.87	420	0.40%	7.1
08-13	749.0	141.01	380	2.00%	1.1
UB-6	756.0	747.79			8.2

No.	Pay Item		Approximat Quantity	е		Unit Price		Amount
MAINLIN	E SEWER		,					
1	SANITARY SEV	VER (OPEN CUT)						
	8-inch	0-8 feet deep	270	lin. ft.	\$	82.00	\$	22,14
	e men	8-12 feet deep	996	lin. ft.	\$	96.00		95,61
		12-16 feet deep	705	lin. ft.	\$	116.00	\$ \$	81,78
		16-20 feet deep	150	lin. ft.	\$	139.00	\$	20,85
2	SANITARY SEW	ER (DIRECTIONAL	DRILLED)					
	8-inch	,	255	lin. ft.	\$	302.00	\$	77,01
3	SANITARY MAI	NHOLES						
	48-inch	0-8 feet deep	3	each	\$	5,300.00	\$	15,90
		8-12 feet deep	3	each	\$	7,000.00	<u>\$</u> \$	21,00
		16-20 feet deep	1	each	\$	11,300.00	\$	11,30
4	CONNECTION	TO EXISTING MAN	HOLE					
	8-inch		1	each	\$	6,800.00	\$	6,80
5	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	35	lin. ft.	\$	102.00	\$	3,57
		8-12 feet deep	95	lin. ft.	\$	124.00	\$	11,78
		12-16 feet deep	70	lin. ft.	\$	150.00	\$	10,50
		16-20 feet deep	25	lin. ft.	\$	198.00	\$	4,95
6	TREE TUNNEL	ING	250	lin. ft.	\$	211.00	\$	52,75
7	SEWER TELEV	ISING FOR FINAL II	NSPECTION					
			2,376	lin. ft.	\$	3.00	\$	7,12
8	SEWER TESTI	NG FOR FINAL INSF	PECTION					
			2,376	lin. ft.	\$	3.00	\$	7,12
9	CULVERT REM	IOVAL AND REPLAC	CEMENT					
	12-inch		85	lin. ft.	\$	89.00	\$	7,56
10	RESTORATION							
	AND PARKWA		700	og vd	¢	15.00	¢	10.60
	Topsoil and Topsoil and			sq.yd.	<u>\$</u> \$	15.00	<u>\$</u> \$	10,62
	ropson and	1 300	∠,880	sq.yd.	Φ	15.00	Φ	43,20
11	RESTORATION		20	ca va	¢	70.00	¢	0.04
	Bituminous		33	sq.yd.	\$	70.00	\$	2,31

Table 4.2-2 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Katrine-Maple (North) Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	e	Unit Price		Amount
				1 1100		Amount
12	REMOVE AND REPLACE DRIV		sq.yd.	\$ 53.00	¢	6,360
	PCC Driveway		sq.yd. sq.yd.	\$ 53.00 \$ 89.00	\$ \$	4,005
	Gravel Driveway		sq.yd.	\$ 22.00	\$	1,100
13	TREE REMOVAL & TRIMMING			Lump Sum	\$	2,920
14	TRAFFIC CONTROL			Lump Sum	\$	10,950
	SUBTOTAL				\$	539,232
SERVICE	LATERALS					
1	BUILDING SERVICE LINES					
	Near side	210	lin. ft.	\$ 55.00	\$	11,550
	Far side	400	lin. ft.	\$ 55.00	\$	22,000
2	BUILDING SERVICE					
	BRANCH FITTINGS	. –		* • • • • • • •	•	10.000
	Near Side Far side	17 8	each	\$ 608.00 \$ 749.00	\$ \$	10,336
	Farside	8	each	\$ 749.00	Þ	5,992
3	BUILDING SERVICE PLUG	25	each	\$ 228.00	\$	5,700
4	RESTORATION OF LAWNS AN	D PARKWAYS:				
	Sod	340	sq.yd.	\$ 15.00	\$	5,100
5	RESTORATION OF STREETS:					
-	Bit. Concrete Street	60	sq.yd.	\$ 69.00	\$	4,140
6	TRENCH BACKFILL					
-	0-8 feet deep	152	lin. ft.	\$ 68.00	\$	10,336
	SUBTOTAL				\$	75,154
	TOTAL ESTIMATE OF CON	ISTRUCTION COS	Т		\$	614,400
		Contingencies	(20%)			122,900
		Engineering	(20%)			122,900
		Legal / Admin	(6%)			51,600
		Easement Acquis				34,400
	TOTAL OPINION OF PROB	ABLE COST			\$	946,200
				Cost per lot		37,850

Table 4.2-3 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Inverness-Lomond-Elinor-Maple (North) Preliminary Design

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Inverness Avenue (Janes t	<u>o Lomond)</u>				
2-A-71A (existing)	717.7	704.82	40	4.00%	12.9
UB-18	717.5	705.32	42 125	1.20% 3.00%	12.2
UB-17	726.0	709.07	340	1.20%	16.9
UB-61	723.8	713.15	284	1.20%	10.6
UB-16	725.5	716.56	400	3.00%	8.9
UB-15	742.5	728.56	320	0.80%	13.9
UB-11	742.3	731.12	0_0	0.0070	11.1
Lomond Avenue (Invernes	<u>s to Maple)</u>				
UB-14	741.3	732.68	390	0.40%	8.6
UB-12	747.3	735.88	400	0.80%	11.4
UB-26	750.3	738.55	333	0.80%	11.7
Maple Avenue (west of Lor	<u>nond)</u>				
			135	0.40%	
UB-33	748.0	739.09	80	0.80%	8.9
UB-10	754.0	739.19	400	0.80%	14.8
UB-9	754.0	742.39	400	1.00%	11.6
UB-8	762.0	746.39	250	1.00%	15.6
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)

Pre	limina	ary D	esign
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r reminiary Design					Manhole
Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	<u>Depth</u>
Elinor Avenue (Inverness t	<u>o Maple)</u>				
			400	2.00%	
UB-19	735.5	724.56			10.9
UB-20	738.8	730.56	400	1.50%	8.2
			375	1.50%	
UB-21	747.0	736.19			10.8
Maple Avenue (east and w	est of Elino	<u>r)</u>			
			350	0.80%	
UB-22	747.0	738.99	050	0.000/	8.0
UB-23	750.0	740.99	250	0.80%	9.0
			450	0.80%	
UB-35	750.5	739.79	80	1.00%	10.7
UB-24	748.0	736.99	00	1.0070	11.0
UB-37	750.0	739.99	300	1.00%	10.0
00-37	750.0	199.99	300	1.00%	10.0
UB-25	752.0	742.99			9.0

No.	Pay Item		Approximat Quantity	е		Unit Price	Amount
MAINLI	NE SEWER						
1	SANITARY SE	WER (OPEN CUT)					
	8-inch	8-12 feet deep	5,193	lin. ft.	\$	96.00	\$ \$498,528
		12-16 feet deep	920	lin. ft.	\$	116.00	\$ \$106,720
		16-20 feet deep	691	lin. ft.	\$	139.00	\$ \$96,049
2	SANITARY MA	NHOLES					
	48-inch	8-12 feet deep	19	each	\$	7,000.00	\$ \$133,00
		12-16 feet deep	3	each	\$	8,500.00	\$ \$25,50
		16-20 feet deep	1	each	\$	11,300.00	\$ \$11,30
3	CONNECTION	TO EXISTING MANH	IOLE				
	8-inch		1	each	\$	6,800.00	\$ \$6,800
4	TRENCH BACH	KFILL					
	8-inch	8-12 feet deep	3,050	lin. ft.	\$	124.00	\$ \$378,20
		12-16 feet deep	502	lin. ft.	\$	150.00	\$ \$75,30
		16-20 feet deep	184	lin. ft.	\$	198.00	\$ \$36,43
5	TREE TUNNEL	ING	350	lin. ft.	\$	211.00	\$ \$73,850
6	SEWER TELE	/ISING FOR FINAL IN	SPECTION				
			6,804	lin. ft.	\$	3.00	\$ \$20,412
7	SEWER TESTI	NG FOR FINAL INSP	ECTION				
			6,804	lin. ft.	\$	3.00	\$ \$20,412
8	CULVERT REM	IOVAL AND REPLAC	EMENT				
	12-inch		515	lin. ft.	\$	89.00	\$ \$45,835
9	RESTORATION	N OF LAWNS					
	AND PARKWA						
	Topsoil and	d seed	308	sq.yd.	\$	15.00	\$ \$4,62
	Sod		3,378	sq.yd.	\$	15.00	\$ \$50,67
10	RESTORATION	N OF STREETS					
	Bituminous	i	2,000	sq.yd.	<u>\$</u> \$	70.00	\$ \$140,00
	PCC Curb		60	lin. ft.		45.00	\$ \$2,700
	PCC Sidew	valk	650	sq. ft.	\$	14.00	\$ \$9,10

No.	Pay Item	Approximate Quantity	e		Unit Price		Amount
110.	•				1 1100		/ inouni
11	REMOVE AND REPLACE DRIV Bituminous		og vd	¢	53.00	¢	¢15.27
	PCC Driveway		sq.yd. sq.yd.	\$ \$	89.00	\$ \$	\$15,37 \$6,67
	Gravel Driveway		sq.yd.	\$	22.00	\$	\$55
12	TREE REMOVAL & TRIMMING			Lum	o Sum	\$	\$5,110
13	TRAFFIC CONTROL			Lum	o Sum	\$	\$21,90
	SUBTOTAL					\$	\$1,785,03
SERVIO	CE LATERALS						
1							
	Near side	763	lin. ft.	\$	55.00	\$	\$41,96
	Far side	400	lin. ft.	\$	55.00	\$	\$22,00
2	BUILDING SERVICE						
	BRANCH FITTINGS			•		•	* • --
	Near Side Far side	59 13	each	<u>\$</u> \$	608.00 749.00	<u>\$</u> \$	\$35,87
		13	each		749.00		\$9,73
3	BUILDING SERVICE PLUG	72	each	\$	228.00	\$	\$16,41
4	RESTORATION OF LAWNS AN						
	Sod	1,004	sq.yd.	\$	15.00	\$	\$15,06
5	RESTORATION OF STREETS:			•		•	* (* *
	Bit. Concrete Street	149	sq.yd.	\$	69.00	\$	\$10,28
6	TRENCH BACKFILL	000	II A	۴	<u> </u>	¢	¢47.00
	0-8 feet deep	260	lin. ft.	\$	68.00	\$	\$17,68
	SUBTOTAL					\$	\$169,01
	TOTAL ESTIMATE OF COM	NSTRUCTION COST	Г			\$	\$1,954,000
		Contingencies	(20%)				\$390,800
		Engineering	(20%)				\$390,80
		Legal / Admin	(6%)				\$164,10
		Easement Acquis	ition				\$112,10
	TOTAL OPINION OF PROB	ABLE COST				\$	\$3,011,800
					Cost pe	r lot	\$41.83

Cost per lot

\$41,830

Table 4.2-5 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Inverness-Belmont (North) Preliminary Design Layout

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

No.	Pay Item		roximat uantity	e		Unit Price		Amount	
MAINLIN	E SEWER								
1		PEN CUT) 3 feet deep 2 feet deep	200 450	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	\$16,400 \$43,200	
2		S 3 feet deep 2 feet deep	1 1	each each	\$ \$	5,300.00 7,000.00	\$ \$	\$5,300 \$7,000	
3	CONNECTION TO EXI 8-inch	STING MANHOLE	1	each	\$	6,800.00	\$	\$6,800	
4		3 feet deep 2 feet deep	48 96	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	\$4,896 \$11,904	
5	TREE TUNNELING		0	lin. ft.	\$	211.00	\$	\$C	
6	SEWER TELEVISING	FOR FINAL INSPECT	ION 650	lin. ft.	\$	3.00	\$	\$1,950	
7	SEWER TESTING FOR	R FINAL INSPECTION	1 650	lin. ft.	\$	3.00	\$	\$1,950	
8	CULVERT REMOVAL	AND REPLACEMENT	40	lin. ft.	\$	89.00	\$	\$3,560	
9	RESTORATION OF LA AND PARKWAYS: Topsoil and seed	WNS	900	sq.yd.	\$	15.00	\$	\$13,500	
10	RESTORATION OF ST Bit. Concrete Stree		0	sq.yd.	\$	70.00	\$	\$0	
11	REMOVE AND REPLA Bituminous Concrete	CE DRIVEWAYS		sq.yd. sq.yd.	\$ \$	53.00 89.00	\$ \$	\$3,604 \$1,068	
12	TREE REMOVAL AND	TRIMMING:			Lum	p Sum	\$	\$0	

No.	Pay Item	Approximat Quantity	e	Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	\$1,095
14	TRAFFIC CONTROL			Lump Sum	\$	\$1,095
	SUBTOTAL				\$	\$123,322
SERVICE	LATERALS					
1	BUILDING SERVICE LINES Near side Far side	72 0	lin. ft. lin. ft.	\$	\$ \$	\$3,960 \$0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	6 0	each each	\$ 608.00 \$ 749.00	\$ \$	\$3,648 \$0
3	BUILDING SERVICE PLUG	6	each	\$ 228.00	\$	\$1,368
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	50	sq.yd.	<u>\$ 15.00</u>	\$	\$750
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	\$0_
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$ 68.00	\$	\$0
	SUBTOTAL				\$	\$9,726
	TOTAL ESTIMATE OF CON	STRUCTION COS	Г		\$	\$133,000
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$26,600 \$26,600 \$11,200
	TOTAL OPINION OF PROB	ABLE COST			\$	\$197,400
				Cost per lot		\$32,900

Table 4.2-7 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Katrine-College (South) Preliminary Design

Manhole Number	Rim	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Katrine Avenue (south of Collect	<u>le)</u>				
H-8-22 (ex.)	745.0	725.86	00	5.000/	
UB-52	751.0	735.81	39	5.00%	15.2
UB-48	754.0	738.81	300	1.00%	15.2
UB-47	752.0	740.21	350	0.40%	11.8
Katrine Avenue (north of Colleg		740.21			11.0
H8-062 (ex.)	750.0	741.40	100	4 9 9 9 4	
UB-58	751.0	743.20	180	1.00%	7.8
UB-57	760.0	749.20	300	2.00%	10.8
UB-56	764.0	753.20	200	2.00%	10.8

		Approximat	е	Unit		
No.	Pay Item	Quantity		Price		Amount
MAINLI	NE SEWER					
1	SANITARY SEWER (OPEN CUT)					
	8-inch 0-8 feet deep	580	lin. ft.	\$ 82.00		\$47,560
	8-12 feet deep	499	lin. ft.	\$ 96.00		\$47,904
	12-16 feet deep	290	lin. ft.	\$ 116.00	\$	\$33,640
2	SANITARY MANHOLES					
	48-inch 0-8 feet deep	2	each	\$ 5,300.00	\$	\$10,600
	8-12 feet deep	2	each	\$ 7,000.00		\$14,000
	12-16 feet deep	2	each	\$ 8,500.00		\$17,000
3	DROP CONNECTION					
5	8-inch	8	lin. ft.	\$ 364.00	\$	\$2,912
				<u> </u>		+)-
4		OLE				
	8-inch	1	each	\$ 6,800.00	\$	\$6,800
5	TRENCH BACKFILL					
	8-inch 0-8 feet deep	156	lin. ft.	\$ 102.00	\$	\$15,912
	8-12 feet deep	65	lin. ft.	\$ 124.00	\$	\$8,060
	12-16 feet deep	104	lin. ft.	\$ 150.00	\$	\$15,600
6	TREE TUNNELING	80	lin. ft.	\$ 211.00	\$	\$16,880
7	SEWER TELEVISING FOR FINAL IN	ISPECTION				
ľ		1,369	lin. ft.	\$ 3.00	\$	\$4,107
8	SEWER TESTING FOR FINAL INSP	ECTION				
0	SEWER TESTING FOR FINAL INSP	1,369	lin. ft.	\$ 3.00	\$	\$4,107
		.,		<u>+</u>		÷ · ; · • ·
9	CULVERT REMOVAL AND REPLAC					
	12-inch	220	lin. ft.	\$ 89.00	\$	\$19,580
10	RESTORATION OF LAWNS					
	AND PARKWAYS:					
	Topsoil and sod	2,130	sq.yd.	\$ 15.00	<u>\$</u>	\$31,950
11	RESTORATION OF STREETS:					
11	Bit. Concrete Street	12	sq.yd.	\$ 70.00	\$	\$840
		12	- 4.9 4.	<u>+ .0.00</u>		<u> </u>
12	REMOVE AND REPLACE DRIVEWA					
	Bituminous		sq.yd.	\$ 53.00		\$7,950
	Concrete	25	sq.yd.	\$ 89.00	\$	\$2,225

No.	Pay Item	Approxima Quantity	te		Unit Price		Amount
13	TREE REMOVAL AND TRIMMIN	G:		Lump	Sum	\$	\$9,490
14	EROSION CONTROL			Lump	Sum	\$	\$1,095
15	TRAFFIC CONTROL			Lump	Sum	\$	\$3,650
	SUBTOTAL					\$	\$321,862
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	205 715		\$ \$	55.00 55.00	\$ \$	\$11,275 \$39,325
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	13 14		\$	608.00 749.00	\$ \$	\$7,904 \$10,486
3	BUILDING SERVICE PLUG	27	each	\$	228.00	\$	\$6,156
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	685	sq.yd.	\$	15.00	\$	\$10,275
5	RESTORATION OF STREETS: Bit. Concrete Street	195	sq.yd.	\$	69.00	\$	\$13,455
6	TRENCH BACKFILL 0-8 feet deep	305	lin. ft.	\$	68.00	\$	\$20,740
	SUBTOTAL					\$	\$119,616
	TOTAL ESTIMATE OF CON	STRUCTION COS	т			\$	\$441,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				\$88,300 \$88,300 \$37,100
	TOTAL OPINION OF PROB	ABLE COST				\$	\$655,200
					Cost pe		¢24 270

Cost per lot \$24,270

Table 4.2-9 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Lomond-College (South) Preliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Lomond Avenue					
H-8-19 existing	725.0	720.00			5.0
UB-32	732.0	723.97	305	1.30%	8.0
	738.0	720 57	300	2.20%	7.4
UB-31	738.0	730.57	400	3.40%	7.4
UB-29	752.0	744.17	370	1.10%	7.8
UB-28	756.0	748.24	510	1.1070	7.8
UB-27	758.0	750.11	375	0.50%	7.9
<u>College Road</u>					
-			245	0.50%	
UB-30	753.0	745.39	300	1.00%	7.6
UB-46	755.0	747.17			7.8

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINL	NE SEWER			
1	SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep	2,295 lin. ft	<u>\$ 82.00</u>	\$ 188,190
2	SANITARY MANHOLES 48-inch 0-8 feet deep	7 each	n <u>\$ 5,300.00</u>	\$ 37,100
3	CONNECTION TO EXISTING MANHOLE 8-inch	1 each	n <u>\$ 6,800.00</u>	\$ 6,800
4	TRENCH BACKFILL 8-inch 0-8 feet deep	1,599 lin. ft	<u>\$ 102.00</u>	\$ 163,098
5	TREE TUNNELLING	40 lin. ft	<u>\$ 211.00</u>	\$ 8,440
6	WATER MAIN RELOCATION:	1 each	n <u>\$ 7,800.00</u>	\$ 7,800
7	SEWER TELEVISING FOR FINAL INSPE	CTION 2,295 lin. ft	<u>\$</u> 3.00	\$ 6,885
8	SEWER TESTING FOR FINAL INSPECTION	ON 2,295 lin. ft	<u>\$</u> 3.00	\$ 6,885
9	CULVERT REMOVAL AND REPLACEME 12-inch	NT: 76 lin. ft	<u>\$</u> 89.00	\$ 6,764
10	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	1,548 sq.yd	l. <u>\$ 15.00</u>	\$ 23,220
11	RESTORATION OF STREETS: Bituminous Concrete Street	1,069 sq.yd	l. <u>\$</u> 70.00	\$ 74,830
12	REMOVE AND REPLACE DRIVEWAYS: Bituminous Driveway PCC Driveway	39 sq.yd 10 sq.yd		\$ 2,067 \$ 890
13	TREE REMOVAL AND TRIMMING:		Lump Sum	\$ 2,920
14	EROSION CONTROL:		Lump Sum	\$ 1,095

No.	Pay Item	Approximate Quantity	Unit Price		Amount
15	TRAFFIC CONTROL:		Lump Sum	\$	7,300
	SUBTOTAL			\$	544,284
SERVIO	CE LATERALS				
1	BUILDING SERVICE LINES Near side Far side	360 lin. ft. 630 lin. ft.		\$ \$	19,800 34,650
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	14 each 15 each		\$ \$	8,512 11,235
3	BUILDING SERVICE PLUG	29 each	\$ 228.00	\$	6,612
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	783 sq.yd.	\$ 15.00	\$	11,745
5	RESTORATION OF STREETS: Bituminous Concrete Street	140 sq.yd.	\$ 69.00	\$	9,660
6	TRENCH BACKFILL 0-8 feet deep	255 lin. ft.	\$ 68.00	\$	17,340
	SUBTOTAL			\$	119,554
	TOTAL ESTIMATE OF CONSTRUCT	ION COST		\$	663,800
		Contingencies Engineering Legal / Admin	(20%)		132,800 132,800 55,800
	TOTAL OPINION OF PROBABLE CO	ST		\$	985,200
			Cost per lo	ot	33,970

Table 4.2-11 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Elinor-College (South) Preliminary Design Layout

Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Elinor Avenue					
H-8-54 (existing)	747.9	737.90	395	3.00%	10.0
UB-55	760.0	749.75		010070	10.3
College Road					
H-8-55 (existing)	745.4	738.99			
UB-43	748.5	740.79	225 420	0.80%	7.7
UB-36	749.5	739.58	420	0.4078	9.9

No.	Pay Item	Approximat Quantity	e		Unit Price		Amount
MAINLIN	E SEWER						
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	1,040	lin. ft.	\$	96.00	\$	99,840
2	SANITARY MANHOLES 48-inch 8-12 feet deep	3	each	\$	7,000.00	\$	21,000
3	CONNECTION TO EXISTING MANH 8-inch	IOLE 3	each	\$	6,800.00	\$	20,400
4	TRENCH BACKFILL 8-inch 8-12 feet deep	140	lin. ft.	\$	124.00	\$	17,360
5	TREE TUNNELING	150	lin. ft.	\$	211.00	\$	31,650
6	SEWER TELEVISING FOR FINAL IN	ISPECTION 1,040	lin. tt.	\$	3.00	\$	3,120
7	SEWER TESTING FOR FINAL INSP	ECTION 1,040	lin. ft.	\$	3.00	\$	3,120
8	CULVERT REMOVAL AND REPLAC 12-inch 24-inch	EMENT 40 20	lin. ft. lin. ft.	\$ \$	89.00 183.00	\$ \$	3,560 3,660
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	1,596	sq.yd.	\$	15.00	\$	23,933
10	RESTORATION OF STREETS: Bit. Concrete Street	71	sq.yd.	\$	70.00	\$	4,978
11	REMOVE AND REPLACE DRIVEWA Bituminous Concrete	33	sq.yd. sq.yd.	\$ \$	53.00 89.00	\$ \$	1,767 2,967
12	TREE REMOVAL AND TRIMMING:			Lum	p Sum	\$	2,500
13	EROSION CONTROL			Lum	p Sum	\$	750
14	TRAFFIC CONTROL			Lum	p Sum	\$	2,000
	SUBTOTAL					\$	242,604

No.	Pay Item	Approximate Quantity	9	Unit Price			Amount	
1								
SERVIC	E LATERALS							
1								
	Near side Far side	75 150	lin. ft. lin. ft.	<u>\$</u> \$	55.00 55.00	<u>\$</u> \$	4,125 8,250	
				<u>+</u>		<u> </u>	0,200	
2	BUILDING SERVICE BRANCH FITTINGS							
	Near Side Far side	5 4	each each	<u>\$</u> \$	608.00 749.00	\$ \$	3,040 2,996	
							· · ·	
3	BUILDING SERVICE PLUG	9	each	\$	228.00	\$	2,052	
4	RESTORATION OF LAWNS							
	AND PARKWAYS: Topsoil and seed	325	sq.yd.	\$	15.00	\$	4,875	
5	RESTORATION OF STREETS:							
	Bit. Concrete Street	64	sq.yd.	\$	69.00	\$	4,416	
6		00		<u>^</u>	04.00	•	0.700	
	8-12 feet deep	96	lin. ft.	\$	91.00	\$	8,736	
	SUBTOTAL					\$	38,490	
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	-			\$	281,100	
		Contingencies	(20%)				56,200	
		Engineering Legal / Admin	(20%) (6%)				56,200 23,600	
		0	(070)				,	
	TOTAL OPINION OF PROB	ABLE COST				\$	417,100	

Cost per lot 46,340

Table 4.2-13 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Janes-College (South) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
<u>Janes</u>	Avenue					
	H-8-56 existing	747.0	735.35	230	1.50%	
	UB-41	751.0	738.80	300	1.25%	12.2
	UB-42	750.0	742.55			7.4
<u>Colleg</u>	<u>e Road</u>			440	1.25%	
	UB-44	756.0	748.05	440	1.2070	7.9

No.	Pay Item		Approximate Quantity	е		Unit Price		Amount
MAINLIN	E SEWER							
1	SANITARY SEW 8-inch	/ER (OPEN CUT) 0-8 feet deep 8-12 feet deep	300 670	lin. ft. lin. ft.	\$	82.00 96.00	\$ \$	24,600 64,320
2	SANITARY MAN 48-inch	IHOLES 0-8 feet deep 8-12 feet deep	1 2	each each	\$ \$	5,300.00 7,000.00	\$ \$	5,300 14,000
3	CONNECTION ⁻ 8-inch	FO EXISTING MANHOLE	Ξ	each	\$	6,800.00	\$	6,800
4	TRENCH BACK 8-inch	FILL 0-8 feet deep 8-12 feet deep	54 260	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	5,508 32,240
5	TREE TUNNELI	NG	110	lin. ft.	\$	211.00	\$	23,210
6	SEWER TELEV	ISING FOR FINAL INSPE	ECTION 970	lin. ft.	\$	3.00	\$	2,910
7	SEWER TESTIN	IG FOR FINAL INSPECT	TION 970	lin. ft.	\$	3.00	\$	2,910
8	CULVERT REM 12-inch	OVAL AND REPLACEM	ENT 150	lin. ft.	\$	89.00	\$	13,350
9	RESTORATION AND PARKWAY Topsoil an	Ś:	1,200	sq.yd.	\$	15.00	\$	18,000
10	RESTORATION Bit. Concret		65	sq.yd.	\$	70.00	\$	4,550
11	REMOVE AND I Bituminous Concrete	REPLACE DRIVEWAYS		sq.yd. sq.yd.	\$	53.00 89.00	\$ \$	7,420 2,136
12	TREE REMOVA	L AND TRIMMING:			Lum	np Sum	\$	9,490
13	EROSION CON	TROL			Lum	np Sum	\$	1,095

No.	Pay Item	Approximat Quantity	e		Unit Price		Amount
14	TRAFFIC CONTROL			Lump	o Sum	\$	3,650
	SUBTOTAL					\$	241,489
SERVICE	LATERALS						
1	BUILDING SERVICE LINES Near side Far side	105 312	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	5,775 17,160
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	6 7	each each	\$ \$	608.00 749.00	\$ \$	3,648 5,243
3	BUILDING SERVICE PLUG	13	each	\$	228.00	\$	2,964
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	370	sq.yd.	\$	15.00	\$	5,550
5	RESTORATION OF STREETS: Bit. Concrete Street	102	sq.yd.	\$	69.00	\$	7,038
6	TRENCH BACKFILL: 0-8 feet deep	160	lin. ft.	\$	68.00	\$	10,880
	SUBTOTAL					\$	58,258
	TOTAL ESTIMATE OF CON	STRUCTION COS	Г			\$	299,700
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				59,900 59,900 25,200
	TOTAL OPINION OF PROB	ABLE COST				\$	444,700
					Cost per lo	ot	34,210

Table 4.2-15

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Chase-Hobson-Belmont (South)

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>		
Chase Avenue								
	H-8-42 existing	734.6	726.10	100	4.050/			
	UB-50	740.0	731.35	420	1.25%	8.6		
	UB-49	752.0	739.35	400	2.00%	12.7		
<u>Hobsor</u>	n Road							
	H-8-44 existing	738.5	729.57					
	UB-54	738.0	730.05	80	0.60%	7.9		
	UB-53	747.0	734.43	350	1.25%	12.6		
Belmont Road								
		752.0	739.43	400	1.25%	12.6		
	UB-45	752.0	739.43	400	1.25%	12.6		

No.	Pay Item		Approximat Quantity	e		Unit Price		Amount
MAINLIN	E SEWER							
1	SANITARY SEV	VER (OPEN CUT)						
1	8-inch	0-8 feet deep	450	lin. ft.	\$	82.00	\$	36,900
		8-12 feet deep	1,200	lin. ft.	\$	96.00	\$	115,200
2	SANITARY MAI	NHOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	5,300
		8-12 feet deep	4	each	\$	7,000.00	\$	28,000
3	CONNECTION	TO EXISTING MANHO	DLE					
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	450	lin. ft.	\$	102.00	\$	45,900
		8-12 feet deep	602	lin. ft.	\$	124.00	\$	74,648
5	TREE TUNNEL	ING	0	lin. ft.	\$	211.00	\$	(
6	SEWER TELEV	ISING FOR FINAL INS						
			1,650	lin. ft.	\$	3.00	\$	4,950
7	SEWER TESTIN	NG FOR FINAL INSPE						
			1,650	lin. ft.	\$	3.00	\$	4,950
8		OVAL AND REPLACE						
	12-inch		60	lin. ft.	\$	89.00	\$	5,34
9								
	AND PARKWA		780	sq.yd.	\$	15.00	\$	11,70
	·			- 4.7	<u>+</u>		<u>+</u>	,
10	RESTORATION Bit. Concret		711	sq.yd.	\$	70.00	\$	49,77
	_			oq.ya.	<u>Ψ</u>	10.00	Ψ	10,11
11	REMOVE AND Bituminous	REPLACE DRIVEWAY		sq.yd.	\$	53.00	\$	2,65
	Concrete			sq.yd. sq.yd.	\$ \$	89.00	\$	2,05
12	TREE REMOVA	AL AND TRIMMING:			Lum	p Sum	\$	73
10					Lum		¢	1.00
13	EROSION CON	IRUL			Lum	p Sum	\$	1,09

No.	Pay Item	Approximat Quantity	e	Unit Price		Amount
14	TRAFFIC CONTROL			Lump Sum	\$	21,900
	SUBTOTAL				\$	415,833
SERVICE	LATERALS					
1	BUILDING SERVICE LINES Near side Far side	198 312	lin. ft. lin. ft.	\$	\$ \$	10,890 17,160
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	9 6	each each	\$ 608.00 \$ 749.00	\$ \$	5,472 4,494
3	BUILDING SERVICE PLUG	15	each	\$ 228.00	\$	3,420
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	122	sq.yd.	<u>\$ 15.00</u>	\$	1,830
5	RESTORATION OF STREETS: Bit. Concrete Street	140	sq.yd.	\$ 69.00	\$	9,660
6	TRENCH BACKFILL 0-8 feet deep	180	lin. ft.	\$ 68.00	\$	12,240
	SUBTOTAL				\$	65,166
	TOTAL ESTIMATE OF CON	STRUCTION COS	Г		\$	481,000
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			96,200 96,200 40,400
	TOTAL OPINION OF PROB	ABLE COST			\$	713,800
				Cost per lo	ot	47,590

Table 4.2-17Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersDowners Grove Park Sub-AreaCost Summary

Sub-Basin:	Near Services	Far Services	Cost	Со	st per lot
Katrine-Maple (North)	17	8	\$ 946,200	\$	37,850
Inverness-Lomond-Elinor-Maple (North)	59	13	\$ 3,011,800	\$	41,830
Inverness-Belmont (North)	6	0	\$ 197,400	\$	32,900
Katrine-College (South)	13	14	\$ 655,200	\$	24,270
Lomond-College (South)	14	15	\$ 985,200	\$	33,970
Elinor-College (South)	5	4	\$ 417,100	\$	46,340
Janes-College (South)	6	7	\$ 444,700	\$	34,210
Chase-Hobson-Belmont (South)	9	6	\$ 713,800	\$	47,590
TOTALS	129	67	\$ 7,371,400	\$	37,610
	19	6			

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, 63rd 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^{st} Street from Janes east to Belmont and just south of 59^{th} 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^{st} 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^{st} Street and west of Belmont Road will be served by the existing sewer on Maple Avenue (between Woodward and Sherman). Residences south of 59^{th} Street and east of Belmont Road will be served by the existing sewer on Maple Avenue (between Woodward and Sherman). Residences south of 59^{th} Street and east of Belmont Road will be served by existing sewers on Boundary Road (at Lee and Downers) and 63^{rd} 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.

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 rd Street	17	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
TT 1 1 4 2 25 ' (11 C '	· · · · · · · · · · · · · · · · · · ·		41

The following are the proposed sub-basins:

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 61st 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 61st. The sewer alignment on each street should be on the east side of the rightofway because of the existing water main is on the west side of the right-of-way. In October 2019, Baxter & Woodman performed a special assessment evaluation on the area south of Hobson Road, along Puffer Street. The special assessment included a cost estimate and evaluation for a 900-foot sewer extension from existing manhole H8-046 to proposed manhole UC-7. The cost per lot in the Special Assessment was nearly double the cost per lot in this plan. This cost difference is due to the study area on Puffer Street containing a relatively low number of lots and larger-sized lots which results in a higher cost per unsewered lot based on the length of sewer required to be installed. For comparison, the other sub-basin streets west of this study area have a higher density of lots and a resulting lower cost per unsewered lot. The property owners were polled in early 2020, and the majority were not in favor of moving forward with the special assessment. Therefore, it was not constructed. 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 \$1,421,100, 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 61st Street from Janes Avenue to Belmont Road. This sub-basin will also include all unsewered properties fronting 63rd Street west of Belmont. The properties on Janes, Leonard, and Chase should connect to the west at the existing manhole on 63rd 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 63rd 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 \$2,677,200, 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 63rd 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 costeffective 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 \$680,300, including contingency, engineering, and legal/administrative costs. easements.

The Belmont Road (East) sub-basin sewer plan follows the existing topography, which consists of a low area between the ridge lines along 61st Street west of Belmont and along 59th 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 63rd Street. This sub-basin will include all unsewered properties on the east side of Belmont, as well as several properties on 59th 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 \$1,335,400, including contingency, engineering, easements, and legal/administrative costs.

The Pershing Avenue (South) sub-basin sewer plan follows the drainage divide just south of 59th Street. This sub-basin will include unsewered properties along Pershing Avenue. Connecting to the manhole at 63rd 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 \$1,293,100, including contingency, engineering, and legal/administrative costs.

The Woodward and 63rd Street sub-basin sewer plan also follows the existing drainage divide just south of 59th Street. This sub-basin includes unsewered properties along Woodward as well as properties on the north side of 63rd Street between Woodward Avenue and Pershing Road. For the properties along Woodward, connecting to the existing manhole at 6000 Woodward Avenue is the most feasible alternative. For the properties on the north side of 63rd Street is the most feasible alternative because the manhole to the west of Woodward on 63rd 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 \$285,300, 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 59th Street. Connecting to the existing manhole at Boundary Road eliminates a deep cut through the ridge line south of 59th 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 \$811,100, 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 63rd 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 \$342,000, 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 59th 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 59th because the two existing manholes on Springside, north of Jefferson and south of 59th, are too shallow. The lots on Springside south of 59th Street are best served by the existing manhole 320 feet south of 59th 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 \$1,602,200, 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 59th 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 \$3,075,900, including contingency, engineering, and easements, legal/administrative costs.

The Sherman Avenue (North) sub-basin sewer plan follows the drainage divide just south of 59th 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-ofway. 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 \$1,368,900, 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 59th 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 \$1,590,500. including contingency. opinion of project cost is engineering. and legal/administrative costs. easements,

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

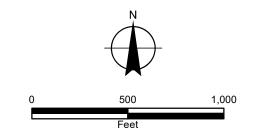
EXHIBIT 4.3

DOWNERS GROVE GARDENS POSSIBLE SEWER ALIGNMENT

MARCH 2018

LEGEND

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



I:\Crystal Lake\DGSD1\180305-2018 UAP\20-GIS\MapDocuments\4-3 dg gardens.mxd abielawa - 4/11/2022 Copyright 2018, By Baxter & Woodman, Inc. State of Illinois - Professional Design Firm License No. - 184-001121 - Expires 4-30-19

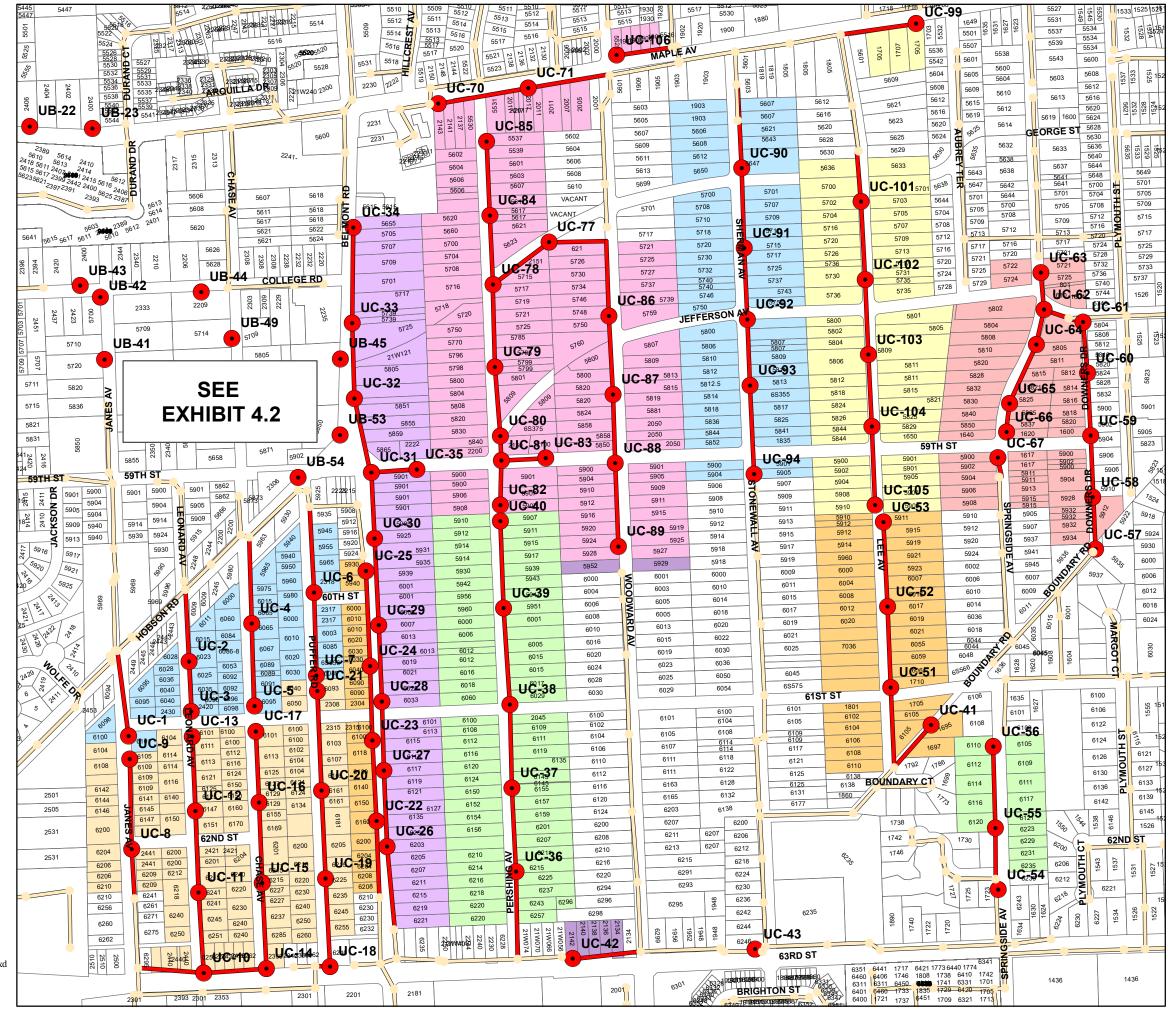


Table 4.3-1 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Janes-Leonard-Chase-Puffer (North) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Janes Ave	enue					
	H-8-10-1 existing	731.4	715.01	100	4.0004	
	UC-1	736.0	725.05	420	1.20%	11.0
Leonard A	Avenue					
	H-8-33 existing	731.7	719.00			
	UC-2	736.0	727.80	400	2.20%	8.2
	UC-3	742.0	733.52	220	2.60%	8.5
<u>Chase Av</u>	enue					
	H-8-43 existing	733.5	726.62			
	UC-4	755.0	738.92	410	3.00%	16.1
	UC-5	754.0	743.02	410	1.00%	11.0
Puffer Ro	ad					
	H-8-46 existing	741.3	731.65			
	UC-6	741.5	733.45	450	0.40%	8.1
	UC-7	752.0	741.45	400	2.00%	10.6

No.	Pay Item	Approximate Quantity	Unit Price	Amount
MAINLI	NE SEWER			
1	SANITARY SEWER (OPEN CUT 8-inch 0-8 feet de 8-12 feet de	ep 500 lin.		<u>\$\$41,000</u> \$\$212,160
2		op 2,210 mi.	π. <u>ψ 00.00</u>	ψ ψ212,100
_	48-inch 0-8 feet de 8-12 feet de	-		\$\$10,600 \$\$35,000
3	CONNECTION TO EXISTING MA 8-inch	ANHOLE 4 ead	ch <u>\$ 6,800.00</u>	\$ \$27,200
4	TRENCH BACKFILL 8-inch 0-8 feet de 8-12 feet de	•	1	\$\$10,200 \$\$101,928
5	TREE TUNNELING	80 lin.	ft. <u>\$ 211.00</u>	\$\$16,880
6	SEWER TELEVISING FOR FINA	L INSPECTION 2,710 lin.	ft. <u>\$ 3.00</u>	\$\$8,130
7	SEWER TESTING FOR FINAL IN	ISPECTION 2,710 lin.	ft. <u>\$ 3.00</u>	\$\$8,130
8	CULVERT REMOVAL AND REPI 12-inch	LACEMENT 357 lin.	ft. <u>\$ 89.00</u>	<u>\$</u> \$31,773
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	5,142 sq.y	d. <u>\$ 15.00</u>	\$\$77,130
10	RESTORATION OF STREETS Bit. Concrete Street	160 sq.y	d. <u>\$ 70.00</u>	<u>\$</u> \$11,200
11	REMOVE AND REPLACE DRIVE Bituminous Concrete	EWAYS 491 sq.y 67 sq.y		\$\$26,023 \$\$5,963
12	TREE REMOVAL AND TRIMMIN	G	Lump Sum	\$ \$365

No.	Pay Item	Approxir Quant			Unit Price		Amount
13	EROSION CONTROL		,	Lumr	o Sum	\$	\$1,460
13	ERUSION CONTROL			ւսու	Jouin	Φ	φ1,400
14	TRAFFIC CONTROL			Lump	o Sum	\$	\$8,760
						\$	\$633,902
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	740	lin. ft.	\$	55.00	<u>\$</u> \$	\$40,700
	Far side	1,860	lin. ft.	\$	55.00	\$	\$102,300
2	BUILDING SERVICE						
	BRANCH FITTINGS Near Side	37	each	\$	608.00	¢	\$22,496
	Far side	31	each	<u>ф</u> \$	749.00	<u>\$</u> \$	\$22,490
3	BUILDING SERVICE PLUGS:	68	each	\$	228.00	\$	\$15,504
4	RESTORATION OF LAWNS						
	AND PARKWAYS						
	Topsoil and sod	2,700	sq.yd.	\$	15.00	\$	\$40,500
5	RESTORATION OF STREETS						
	Bit. Concrete Street	413	sq.yd.	\$	69.00	\$	\$28,497
6	TRENCH BACKFILL						
	0-8 feet deep	744	lin. ft.	\$	68.00	\$	\$50,592
	SUBTOTAL					\$	\$323,808
	TOTAL ESTIMATE OF CONS	TRUCTION C	COST			\$	\$957,700
		Contingenc	ies (2	0%)			\$191,500
		Engineering	•	0%)			\$191,500
		Legal / Adm	•	6%)			\$80,400
	TOTAL OPINION OF PROBA	BLE COST				\$	\$1,421,100
					Cost pe	r lot	\$20,900
					003i pe		φ20,300

Table 4.3-3 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Janes-Leonard-Chase-Puffer (South) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Janes Ave	enue					
	Existing	720.0	708.00	200	4.000/	
	UC-8	730.0	716.60	300	1.20%	13.4
	UC-9	738.0	726.40	400	1.20%	11.6
63rd Stree	<u>ət</u>					
	Existing	713.6	702.70		o 100/	
	UC-10	719.0	709.10	350	0.40%	9.9
	UC-14	724.5	715.46	340	0.40%	9.0
Leonard A	<u>venue</u>					
				400	3.00%	
	UC-11	730.0	721.10	400	2.00%	8.9
	UC-12	740.0	729.10	400	2.00%	10.9
	UC-13	746.0	737.10			8.9
Chase Av	enue					
	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
Puffer Ro		10010	100101			
<u>1 difer (6</u>	H-1-98 (existing)	730.0	719.79			
	UC-18	730.0	721.29	60	2.50%	8.7
				450	0.60%	
	UC-19	732.0	723.99	450	0.80%	8.0
	UC-20	736.0	727.59	450	2.50%	8.4
	UC-21	750.0	738.84			11.2

No.	Pay Item		Approxir Quant			Unit Price		Amount
	NE SEWER)				
1		. ,			•		•	*-------------
	8-inch	0-8 feet deep 8-12 feet deep	900 4,450	lin. ft. lin. ft.	<u>\$</u> \$	82.00 96.00	<u>\$</u> \$	\$73,800 \$427,200
		o-12 leet deep	4,450	III I. IL.	φ	90.00	φ	φ427,200
2	SANITARY MANH	OLES						
	48-inch	0-8 feet deep	2		\$	5,300.00	\$	\$10,600
		8-12 feet deep	12	each	\$	7,000.00	\$	\$84,000
3	CONNECTION TO	EXISTING MANH						
Ū	8-inch		3	each	\$	6,800.00	\$	\$20,400
4			50	1: 64	¢	400.00	¢	¢5 400
	8-inch	0-8 feet deep 8-12 feet deep	50 1,353	lin. ft. lin. ft.	<u>\$</u> \$	<u>102.00</u> 124.00	<u>\$</u> \$	\$5,100 \$167,772
			1,000	iii i. it.	Ψ	124.00	Ψ	ψ101,11 <u>2</u>
5	TREE TUNNELING	G	240	lin. ft.	\$	211.00	\$	\$50,640
C				NI				
6	SEWER TELEVIS	ING FOR FINAL IN		lin. ft.	\$	3.00	\$	\$16,050
			0,000		<u> </u>	0.00	Ψ	\$10,000
7	SEWER TESTING	FOR FINAL INSP						
			5,350	lin. ft.	\$	3.00	\$	\$16,050
8	CULVERT REMO		EMENT					
0	12-inch		856	lin. ft.	\$	89.00	\$	\$76,184
9								
	AND PARKWAYS Topsoil and		0 780	sq.yd.	\$	15.00	\$	\$146,835
		300	5,705	34.94.	Ψ	10.00	Ψ	ψ140,000
10	RESTORATION O	F STREETS						
	Bit. Concrete	Street	292	sq.yd.	\$	70.00	\$	\$20,440
11	REMOVE AND RE		VS					
	Bituminous			sq.yd.	\$	53.00	\$	\$53,636
	Concrete			sq.yd.	\$	89.00	\$	\$6,853
10	TREE REMOVAL				1~	ıp Sum	¢	¢1 0/1
12	THEE NEIVIOVAL				Luff	ip Suili	\$	\$1,241
13	EROSION CONTR	ROL			Lum	np Sum	\$	\$1,825

		Approxim			Unit		• · · ·
No.	Pay Item	Quantit	ty		Price		Amount
14	TRAFFIC CONTROL			Lum	p Sum	\$	\$10,950
	SUBTOTAL					\$	\$1,189,576
SERVIC	E LATERALS						
1							
	Near side Far side	,	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	\$79,200 \$188,100
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	72	each	\$	608.00	<u>\$</u> \$	\$43,776
	Far side	57	each	\$	749.00	\$	\$42,693
3	BUILDING SERVICE PLUG	129	each	\$	228.00	\$	\$29,412
4	RESTORATION OF LAWNS AND PARKWAYS						
	Topsoil and sod	3,575	sq.yd.	\$	15.00	\$	\$53,625
5	RESTORATION OF STREETS Bit. Concrete Street	1,115	sq.yd.	\$	69.00	\$	\$76,935
_		,	.,			<u></u>	. ,
6	TRENCH BACKFILL 0-8 feet deep	1,482	lin. ft.	\$	68.00	\$	\$100,776
	SUBTOTAL					\$	\$614,517
	TOTAL ESTIMATE OF CONS	TRUCTION C	COST			\$	\$1,804,100
		Contingenci		0%)			\$360,800
		Engineering Legal / Adm		0%) 6%)			\$360,800 \$151,500
	TOTAL OPINION OF PROBA	BLE COST				\$	\$2,677,200
					Cost pe	r lot	\$20,750

April 2022

Table 4.3-5 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Belmont-Southwest Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
Belmont F	Road					
	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
				450	0.90%	
	UC-24	750.0	740.03	470	0.40%	10.0
	UC-25	750.0	741.91		0.1070	8.1

No.	Pay Item		Approxin Quant			Unit Price		Amount
110.	i ay item		Quant	ity		THUE		Amount
MAINLI	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
	8-inch	0-8 feet deep	500	lin. ft.	\$	82.00	<u>\$</u> \$	\$41,000
		8-12 feet deep	1,220	lin. ft.	\$	96.00	\$	\$117,120
2	SANITARY MANH	OLES						
	48-inch	0-8 feet deep	2	each	\$	5,300.00	\$	\$10,600
		8-12 feet deep	2	each	\$ \$	7,000.00	\$ \$	\$14,000
3	CONNECTION TO	EXISTING MANH	OLE					
·	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFIL	1						
4	8-inch	-∟ 0-8 feet deep	264	lin. ft.	\$	102.00	\$	\$26,928
	0 mon	8-12 feet deep	315	lin. ft.	\$ \$	124.00	\$	\$39,060
F			100	lin ff	¢	211.00	¢	¢25 220
5	TREE TUNNELING	3	120	lin. ft.	\$	211.00	\$	\$25,320
6	SEWER TELEVISI	NG FOR FINAL IN						
			1,720	lin. ft.	\$	3.00	\$	\$5,160
7	SEWER TESTING	FOR FINAL INSPE	CTION					
			1,720	lin. ft.	\$	3.00	\$	\$5,160
8	RESTORATION O	FLAWNS						
· ·	AND PARKWAYS:							
	Topsoil and s	sod	3,547	sq.yd.	\$	15.00	\$	\$53,205
9	RESTORATION O	F STREETS						
Ū	Bit. Concrete S		64	sq.yd.	\$	70.00	\$	\$4,480
10								
10	REMOVE AND RE Bituminous	FLAGE DRIVEVVA		sq.yd.	\$	53.00	\$	\$14,257
	Concrete			sq.yd.	\$	89.00	\$	\$5,340
12	TREE REMOVAL	AND TRIMMING			Lum	p Sum	\$	\$1,460
13	EROSION CONTR	OL			Lum	p Sum	\$	\$730

No.	Pay Item	Approxir Quant			Unit Price		Amount
14	TRAFFIC CONTROL		•	Lum	p Sum	\$	\$9,490
	SUBTOTAL					\$	\$380,110
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	250	lin. ft.	\$	55.00	\$	\$13,750
	Far side	0	lin. ft.	\$	55.00	\$	\$0
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	25	each	\$	608.00	\$	\$15,200
	Far side	0	each	\$	749.00	\$	\$0
3	BUILDING SERVICE PLUG Near side	25	each	\$	228.00	\$	\$5,700
		20	ouon	Ψ	220.00	<u>Ψ</u>	<i>\</i> \$0,100
4	RESTORATION OF LAWNS AND PARKWAYS:						
	Topsoil and sod	0	sq.yd.	\$	15.00	\$	\$0
F	RESTORATION OF STREETS						
5	Bit. Concrete Street	0	sq.yd.	\$	69.00	\$	\$0
		0	oq.ya.	Ψ	00.00	Ψ	
6	TRENCH BACKFILL						
	0-8 feet deep	0	lin. ft.	\$	68.00	\$	\$0
	SUBTOTAL					\$	\$34,650
	TOTAL ESTIMATE OF CON	STRUCTION (COST			\$	\$414,800
		Contingenc	ies (2	0%)			\$83,000
		Engineering		0%)			\$83,000
		Legal / Adm	nin (6%)			\$34,800
		Easement A	Acquisitic	on			\$64,700
	TOTAL OPINION OF PROB/	ABLE COST				\$	\$680,300
					Cost pe	r lot	\$27,210

Table 4.3-7 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Belmont Road (East) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Belmont Ro	oad					
	H-1-97 (existing)	739.5	724.62	100	• • • • • •	
	UC-26	742.0	732.62	400	2.00%	9.4
	UC-27	746.0	734.22	400	0.40%	11.8
	UC-28	748.0	735.82	400	0.40%	12.2
	UC-29	748.0	737.42	400	0.40%	10.6
	UC-30	748.0	739.02	400	0.40%	9.0
	UC-31	750.0	740.62	400	0.40%	9.4
				400	0.40%	
	UC-32	750.0	742.22	400	2.50%	7.8
	UC-33	762.0	752.22	400	4.00%	9.8
	UC-34	780.0	768.22			11.8
59th Street				200	0.80%	
	UC-35	750.0	742.22			7.8

			Approxir			Unit		
No.	Pay Item		Quant	ity		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
	8-inch	0-8 feet deep	1,000	lin. ft.	\$	82.00	\$	\$82,000
		8-12 feet deep	2,800	lin. ft.	\$	96.00	\$ \$	\$268,800
2	SANITARY MANH	OLES						
	48-inch	0-8 feet deep	2	each	\$	5,300.00	\$	\$10,600
		8-12 feet deep	8	each	\$	7,000.00	\$ \$	\$56,000
3	CONNECTION TO	EXISTING MANH						
Ū	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFIL							
4	8-inch	.∟ 0-8 feet deep	313	lin. ft.	\$	102.00	\$	\$31,926
	e men	8-12 feet deep	659	lin. ft.	\$	124.00	\$ \$	\$81,716
5	TREE TUNNELING	、	200	lin ff	¢	211.00	¢	¢50.090
5	TREE TOININELING	2	280	lin. ft.	\$	211.00	\$	\$59,080
6	SEWER TELEVISI	NG FOR FINAL IN						
			3,800	lin. ft.	\$	3.00	\$	\$11,400
7	SEWER TESTING	FOR FINAL INSPE	ECTION					
			3,800	lin. ft.	\$	3.00	\$	\$11,400
8	RESTORATION O	- LAWNS						
Ū	AND PARKWAYS:	2, (11110						
	Topsoil and s	od	2,031	sq.yd.	\$	15.00	\$	\$30,465
9	RESTORATION O	- STREETS						
·	Bit. Concrete S		69	sq.yd.	\$	70.00	\$	\$4,830
10			Ve					
10	REMOVE AND RE Bituminous	PLACE DRIVEWA		sq.yd.	\$	53.00	\$	\$23,479
	Concrete			sq.yd.	\$	89.00	\$	\$11,570
11	TREE REMOVAL A				Lum	p Sum	\$	\$14,600
					Lum	p Cum	Ψ	φ14,000
12	EROSION CONTR	OL			Lum	p Sum	\$	\$730

No.	Pay Item	Approxir Quant			Unit Price		Amount
13	TRAFFIC CONTROL			Lum	p Sum	\$	\$21,900
	SUBTOTAL					\$	\$727,296
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	520 0	lin. ft. lin. ft.	\$ \$	<u>55.00</u> 55.00	<u>\$</u> \$	\$28,600 \$0
2	BUILDING SERVICE BRANCH FITTINGS	-					
	Near Side Far side	52 0	each each	\$ \$	608.00 749.00	\$ \$	\$31,616 \$0
3	BUILDING SERVICE PLUG Near side	52	each	\$	228.00	\$	\$11,856
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	0	sq.yd.	\$	15.00	\$	\$C
5	RESTORATION OF STREETS Bit. Concrete Street	0	sq.yd.	\$	69.00	\$	\$0
6	TRENCH BACKFILL 8-12 feet deep	0	lin. ft.	\$	91.00	\$	\$0
	SUBTOTAL					\$	\$72,072
	TOTAL ESTIMATE OF CON	STRUCTION (COST			\$	\$799,400
		Contingenc Engineering Legal / Adm Easement /	g (2 nin (0%) 0%) 6%) on			\$159,900 \$159,900 \$67,200 \$149,000
	TOTAL OPINION OF PROB	ABLE COST				\$	\$1,335,400
					Cost per lo	ot	\$25,680

Table 4.3-9Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersPershing Avenue (South)Preliminary Design Layout

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

No.	Pay Item		Approxin Quanti			Unit Price		Amount
110.	Fay item		Quanti	ly		FILE		Amount
MAINLI	NE SEWER							
1	SANITARY SEWER (C	PEN CUT)						
	•)-8 feet deep	400	lin. ft.	\$	82.00	<u>\$</u> \$	\$32,800
	8-	12 feet deep	1,850	lin. ft.	\$	96.00	\$	\$177,600
2	SANITARY MANHOLE	S						
	48-inch (0-8 feet deep	1	each	\$	5,300.00	\$	\$5,300
	8-	12 feet deep	4	each	\$	7,000.00	\$	\$28,000
3	CONNECTION TO EX	ISTING MANH	OLE					
	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL							
	8-inch (0-8 feet deep	130	lin. ft.	<u>\$</u> \$	102.00	<u>\$</u> \$	\$13,260
	8-	12 feet deep	1,201	lin. ft.	\$	124.00	\$	\$148,924
5	TREE TUNNELING		70	lin. ft.	\$	211.00	\$	\$14,770
6	SEWER TELEVISING	FOR FINAL IN	SPECTION	١				
			2,250	lin. ft.	\$	3.00	\$	\$6,750
7	SEWER TESTING FO	R FINAL INSPE	ECTION					
			2,250	lin. ft.	\$	3.00	\$	\$6,750
8	CULVERT REMOVAL	AND REPLACE	EMENT					
	15-inch		255	lin. ft.	\$	113.00	\$	\$28,815
9	RESTORATION OF LA	WNS						
	AND PARKWAYS:							
	Topsoil and sod		2,616	sq.yd.	\$	15.00	\$	\$39,240
10	RESTORATION OF ST							
	Bit. Concrete Stree	et	756	sq.yd.	\$	70.00	\$	\$52,920
11	REMOVE AND REPLA	CE DRIVEWA						
	Bituminous			sq.yd.	<u>\$</u>	53.00	\$	\$13,939
	Concrete		80	sq.yd.	\$	89.00	\$	\$7,120
12	REMOVE AND REPLA	CE SIDEWAL						
	4' Concrete		50	sq.ft.	\$	14.00	\$	\$700

65

No.	Pay Item	Approximate Quantity	е		Unit Price		Amount
13	TREE REMOVAL AND TRIMMING			Lump	Sum	\$	\$3,650
14	EROSION CONTROL			Lump	Sum	\$	\$730
15	TRAFFIC CONTROL			Lump	Sum	\$	\$4,380
	SUBTOTAL					\$	\$592,448
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES			•	== 00	•	* 40 0 40
	Near side Far side		า. ft. า. ft.	<u>\$</u> \$	55.00 55.00	<u>\$</u> \$	\$42,240 \$73,920
		1,344 11	1. 11.	φ	55.00	φ	\$73,920
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side		each	\$ \$	608.00	<u>\$</u> \$	\$19,456
	Far side	32 e	each	\$	749.00	\$	\$23,968
3	BUILDING SERVICE PLUG	64 e	ach	\$	228.00	\$	\$14,592
4	RESTORATION OF LAWNS						
	AND PARKWAYS	4 0 0 7		¢	45.00	¢	¢00.005
	Topsoil and sod	1,387 sq	l.ya.	\$	15.00	\$	\$20,805
5	RESTORATION OF STREETS						
	Bit. Concrete Street	427 sq	l.yd.	\$	69.00	\$	\$29,463
6	TRENCH BACKFILL						
	0-8 feet deep	800 lir	n. ft.	\$	68.00	\$	\$54,400
	SUBTOTAL					\$	\$278,844
	TOTAL ESTIMATE OF CONST	RUCTION COS	SТ			\$	\$871,300
						•	<i>\</i> \\\\\\\\\\\\\
		Contingencies	(2	0%)			\$174,300
		Engineering		0%)			\$174,300
		Legal / Admin	(6%)			\$73,200
	TOTAL OPINION OF PROBABI	LE COST				\$	\$1,293,100

Table 4.3-11Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersWoodward and 63rd StreetPreliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
63rd Street					
H-2-160 (existing)	736.0	730.63	320	1.20%	5.4
UC-42	744.0	734.47	320	1.2070	9.5

		Approxim			Unit		
No.	Pay Item	Quantit	ty .		Price		Amount
MAINL	INE SEWER						
1	SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep	o 300	lin. ft.	\$	96.00	\$	\$28,800
2	SANITARY MANHOLES 48-inch 0-8 feet deep	o 1	each	\$	5,300.00	\$	\$5,300
3	CONNECTION TO EXISTING MAN 8-inch	NHOLE 1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL 8-inch 0-8 feet deer 8-12 feet deer		lin. ft. lin. ft.	\$	102.00 124.00	\$ \$	\$21,930 \$10,540
5	TREE TUNNELING	40	lin. ft.	\$	211.00	\$	\$8,440
6	SEWER TELEVISING FOR FINAL	INSPECTION 300	lin. ft.	\$	3.00	\$	\$900
7	SEWER TESTING FOR FINAL INS	SPECTION 300	lin. ft.	\$	3.00	\$	\$900
8	CULVERT REMOVAL AND REPLA 15-inch	ACEMENT 80	lin. ft.	\$	113.00	\$	\$9,040
9	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	725	sq.yd.	\$	15.00	\$	\$10,875
10	RESTORATION OF STREETS Bit. Concrete Street	0	sq.yd.	\$	70.00	\$	\$0
11	REMOVE AND REPLACE DRIVEV Bituminous Concrete	171	sq.yd. sq.yd.	\$ \$	53.00 89.00	\$ \$	\$9,045 \$890
12	REMOVE AND REPLACE SIDEW/ 4' Concrete	ALK 0	sq.ft.	\$	14.00	\$	\$0

No.	Pay Item	Approximate Quantity	Unit Price		Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$	\$2,920
14	EROSION CONTROL		Lump Sum	\$	\$730
15	TRAFFIC CONTROL		Lump Sum	\$	\$9,490
	SUBTOTAL			\$	\$126,600
SERVIO	CE LATERALS				
1	BUILDING SERVICE LINES Near side	103 lin. ft.	\$ 55.00	\$ \$	\$5,665
	Far side	189 lin. ft.	\$ 55.00	\$	\$10,395
2	BUILDING SERVICE BRANCH FITTINGS Near Side	10 each		<u>\$</u> \$	\$6,080
	Far side	7 each		\$	\$5,243
3	BUILDING SERVICE PLUG	17 each	\$ 228.00	\$	\$3,876
4	RESTORATION OF LAWNS AND PARKWAYS				
	Topsoil and sod	217 sq.yd.	\$ 15.00	\$	\$3,250
5	RESTORATION OF STREETS Bit. Concrete Street	103 sq.yd.	\$ 69.00	\$	\$7,084
6	TRENCH BACKFILL 0-8 feet deep	175 lin. ft.	\$ 68.00	\$	\$11,900
	SUBTOTAL			\$	\$53,493
	TOTAL ESTIMATE OF CONS	TRUCTION COST		\$	\$180,100
			20%) 20%) (6%) n		\$36,000 \$36,000 \$15,100 \$18,100
	TOTAL OPINION OF PROBAE	BLE COST		\$	\$285,300
			Cost per lot		\$16,780

Table 4.3-13 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Lee and Boundry (South) Preliminary Design Layout

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

N	Devilter		Approxir			Unit		A
No.	Pay Item		Quant	ity		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	0-8 feet deep	509	lin. ft.	\$	82.00	\$	\$41,738
		8-12 feet deep	754	lin. ft.	\$	96.00	\$ \$ \$	\$72,384
		12-16 feet deep	367	lin. ft.	\$	116.00	\$	\$42,572
2	SANITARY MAN	HOLES						
	48-inch	0-8 feet deep	2	each	\$	5,300.00	\$	\$10,600
		8-12 feet deep	2	each	\$	7,000.00	\$	\$14,000
3	CONNECTION T	O EXISTING MANH	OLE					
	8-inch		2	each	\$	6,800.00	\$	\$13,600
4	TRENCH BACK	=11 1						
	8-inch	0-8 feet deep	130	lin. ft.	\$	102.00	\$	\$13,260
	-	8-12 feet deep	225	lin. ft.	\$ \$	124.00	\$ \$ \$	\$27,900
		12-16 feet deep	42	lin. ft.	\$	150.00	\$	\$6,300
5	TREE TUNNELI	NG	79	lin. ft.	\$	211.00	\$	\$16,669
6	SEWER TELEVI	SING FOR FINAL IN	ISPECTION	N				
C			1,630	lin. ft.	\$	3.00	\$	\$4,890
7	SEWER TESTIN	G FOR FINAL INSP	ECTION					
			1,630	lin. ft.	\$	3.00	\$	\$4,890
8	CULVERT REMO	OVAL AND REPLAC	EMENT					
-	12-inch		200	lin. ft.	\$	89.00	\$	\$17,800
9	RESTORATION	OF LAWNS						
	AND PARKWAY	S						
	Topsoil and	d sod	2,901	sq.yd.	\$	15.00	\$	\$43,515
10	RESTORATION	OF STREETS						
	Bit. Concrete	e Street	93	sq.yd.	\$	70.00	\$	\$6,510
	PCC Curb &	Gutter	20	lin. ft.	\$	45.00	\$ \$	\$900
11	REMOVE AND F	REPLACE DRIVEWA	YS					
	Bituminous			sq.yd.	\$	53.00	\$	\$8,374
	PCC Drivew	•		sq.yd.	\$ \$ \$	89.00	\$ \$ \$	\$7,387
	Aggregate D)riveway	61	sq.yd.	\$	22.00	\$	\$1,342
		AND TRIMMING				ip Sum	\$	\$1,825

No.	Pay Item	Approximat Quantity	е	Unit Price		Amount
					•	
13	EROSION CONTROL			Lump Sum	\$	\$730
14	TRAFFIC CONTROL			Lump Sum	\$	\$8,030
	SUBTOTAL				\$	\$365,216
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side		n. ft. n. ft.	\$ 55.00 \$ 55.00	\$ \$	\$11,000 \$58,520
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	-	each each	\$ 608.00 \$ 749.00	\$ \$	\$12,160 \$14,231
3	BUILDING SERVICE PLUG	39 e	each	\$ 228.00	\$	\$8,892
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,017 sc	ą.yd.	\$ 15.00	\$	\$15,255
5	RESTORATION OF STREETS Bit. Concrete Street	377 sc	ą.yd.	\$ 69.00	\$	\$26,013
6	TRENCH BACKFILL 0-8 feet deep	519 lii	n. ft.	\$ 68.00	\$	\$35,292
	SUBTOTAL				\$	\$181,363
	TOTAL ESTIMATE OF CONS	TRUCTION COS	ST		\$	\$546,600
		Contingencies Engineering Legal / Admin	(209 (209 (69	%)		\$109,300 \$109,300 \$45,900
	TOTAL OPINION OF PROBA	BLE COST			\$	\$811,100
				Cost per lo	ot	\$20,800

Table 4.3-15 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Springside (South) Preliminary Design Layout

Manhole N	Number Rim	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
Springside Avenue					
H-2-166 (e	existing) 740.0	726.63	050	0.000/	13.4
UC-5	55 742.0	728.63	250	0.80%	13.4
UC-5	56 749.0	735.83	400	1.80%	13.2

		Approxin			Unit	
No.	Pay Item	Quanti	ity		Price	Amount
MAINLI	NE SEWER					
1	SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep	650	lin. ft.	\$	82.00	\$ \$53,300
2	SANITARY MANHOLES 48-inch 0-8 feet deep	2	each	\$	5,300.00	\$ \$10,600
3	CONNECTION TO EXISTING MANH 8-inch	OLE 1	each	\$	6,800.00	\$ \$6,800
4	TRENCH BACKFILL 0-8 feet deep	206	lin. ft.	\$	102.00	\$ \$21,012
5	TREE TUNNELING	60	lin. ft.	\$	211.00	\$ \$12,660
6	SEWER TELEVISING FOR FINAL IN	SPECTION 650	N lin. ft.	\$	3.00	\$ \$1,950
7	SEWER TESTING FOR FINAL INSPI	ECTION 650	lin. ft.	\$	3.00	\$ \$1,950
8	CULVERT REMOVAL AND REPLAC 15-inch	EMENT 150	lin. ft.	\$	113.00	\$ \$16,950
9	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,098	sq.yd.	\$	15.00	\$ \$16,470
10	RESTORATION OF STREETS Bit. Concrete Street	35	sq.yd.	\$	70.00	\$ \$2,450
11	REMOVE AND REPLACE DRIVEWA Bituminous		sq.yd.	\$	53.00	\$ \$5,830
12	TREE REMOVAL AND TRIMMING			Lum	p Sum	\$ \$2,190
13	EROSION CONTROL			Lum	p Sum	\$ \$730

	Davi Harra	Approxir			Unit Dria		A
No.	Pay Item	Quant	ity		Price		Amount
14	TRAFFIC CONTROL			Lum	p Sum	\$	\$3,650
	SUBTOTAL					\$	\$156,542
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	80	lin. ft.	\$	55.00	\$	\$4,400
	Far side	450	lin. ft.	\$	55.00	\$	\$24,750
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	5	each	\$	608.00	\$	\$3,040
	Far side	9	each	\$	749.00	\$	\$6,741
3	BUILDING SERVICE PLUG	14	each	\$	228.00	\$	\$3,192
4	RESTORATION OF LAWNS						
	AND PARKWAYS						
	Topsoil and sod	400	sq.yd.	\$	15.00	\$	\$6,000
5	RESTORATION OF STREETS						
Ŭ	Bit. Concrete Street	160	sq.yd.	\$	69.00	\$	\$11,040
6	TRENCH BACKFILL						
0	0-8 feet deep	216	lin. ft.	\$	68.00	\$	\$14,688
	SUBTOTAL					\$	\$73,851
	TOTAL ESTIMATE OF CONS	TRUCTION (COST			\$	\$230,400
		Contingono	iaa (2	00/)			¢46 400
		Contingend	•	0%) 0%)			\$46,100 \$46,100
		Engineerino Legal / Adn		6%)			\$40,100 \$19,400
	TOTAL OPINION OF PROBAE	BLE COST				\$	\$342,000
					Cost per lo	ot	\$24,430

Table 4.3-17Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersSpringside-Jefferson-Downers (North)Preliminary Design Layout

	anhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Downers Drive						
H-3	8-2-14 (existing)	755.0	736.20	38	0.40%	18.8
	UC-57	754.0	736.35	250	0.40%	17.6
	UC-58	756.0	737.35	253	0.40%	18.6
	UC-59	754.0	738.36	341	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
Jefferson Drive	<u>)</u>					
	UC-62	750.0	742.09	250	0.40%	7.9
Springside Ave	nue					
	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%	12.4
	00-00	104.0	731.90			12.0
H-3	H-3-110 (existing) 755.3 745.25		745.25	220	2.00%	10.0
	UC-67	764.0	754.85	320	3.00%	9.1

		Approxi			Unit			
No.	Pay Item	Quan	Quantity		Price		Amount	
MAINLI	NE SEWER							
1	SANITARY SEWER (OPEN C	UT)						
	8-inch 0-8 feet	deep 418	lin. ft.	\$	82.00	\$	\$34,276	
	8-12 feet		lin. ft.	\$ \$ \$	96.00	\$ \$ \$	\$106,944	
	12-16 feet			\$	116.00	\$	\$68,208	
	16-20 feet	deep 614	lin. ft.	\$	139.00	\$	\$85,34	
2	SANITARY MANHOLES							
	48-inch 0-8 feet	deep 3	each	\$	5,300.00	\$	\$15,900	
	8-12 feet	deep 4	each		7,000.00	\$	\$28,000	
	12-16 feet	deep 1	each	\$ \$	8,500.00	\$	\$8,50	
	16-20 feet	•	each	\$	11,300.00	\$	\$33,90	
3	CONNECTION TO EXISTING	MANHOLE						
Ū	8-inch	2	each	\$	6,800.00	\$	\$13,600	
4	TRENCH BACKFILL							
4	8-inch 0-8 feet	deep 370	lin. ft.	\$	102.00	\$	\$37,74	
	8-12 feet			\$	124.00	\$ \$ \$	\$84,32	
	12-16 feet	•		\$	150.00	\$	\$72,15	
	16-20 feet	•		\$ \$ \$	198.00	\$	\$120,384	
5	TREE TUNNELING	60	lin. ft.	\$	211.00	\$	\$12,660	
6	SEWER TELEVISING FOR FI	NAL INSPECTIO	N					
-		2,734		\$	3.00	\$	\$8,202	
7	SEWER TESTING FOR FINA	L INSPECTION						
-		2,734	lin. ft.	\$	3.00	\$	\$8,202	
8	CULVERT REMOVAL AND R	EPLACEMENT						
	12-inch	160	lin. ft.	\$	89.00	\$	\$14,240	
9	RESTORATION OF LAWNS							
	AND PARKWAYS							
	Topsoil and sod	3,850	sq.yd.	\$	15.00	\$	\$57,750	
10	RESTORATION OF STREETS	S						
	Bit. Concrete Street	625	sq.yd.	\$	70.00	\$	\$43,750	
11	REMOVE AND REPLACE DR	IVEWAYS						
	Bituminous	255	sq.yd.	\$ \$	53.00	<u>\$</u> \$	\$13,51	
	Concrete	72		\$	89.00		\$6,408	
	Aggregate	162	sq.yd.	\$	22.00	\$	\$3,564	

No.			Approximate Unit Quantity Price				Amount
12	TREE REMOVAL AND TRIMMING			Lump	o Sum	\$	\$3,285
13	EROSION CONTROL			Lump	o Sum	\$	\$1,095
14	TRAFFIC CONTROL:			Lump	o Sum	\$	\$7,300
	SUBTOTAL					\$	\$881,939
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	495 912	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	\$27,225 \$50,160
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	33 19	each each	\$ \$	608.00 749.00	\$ \$	\$20,064 \$14,231
3	BUILDING SERVICE PLUG	52	each	\$	228.00	\$	\$11,856
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	842	sq.yd.	\$	15.00	\$	\$12,630
5	RESTORATION OF STREETS Bit. Concrete Street	388	sq.yd.	\$	69.00	\$	\$26,772
6	TRENCH BACKFILL 0-8 feet deep	494	lin. ft.	\$	68.00	\$	\$33,592
7	REMOVE AND REPLACE DRIVEWAY Bituminous	S 24	sq.yd.	\$	52.00	\$	\$1,248
	SUBTOTAL					\$	\$197,778
	TOTAL ESTIMATE OF CONSTRU		COST			\$	\$1,079,700
	En	ontingenci Igineering gal / Adm	j (2	0%) 0%) 6%)			\$215,900 \$215,900 \$90,700
	TOTAL OPINION OF PROBABLE	COST				\$	\$1,602,200
					Cost pe	r lot	\$30,810

Table 4.3-19Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersPershing-Woodward-Maple (North)Preliminary Design Layout

Preliminary De	esign Layout					Manhole
Mar	hole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	<u>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	500	2.0078	10.2
2-C-	151 (existing)	741.6	723.72	450	3.50%	17.9
	UC-71	752.0	739.47	450	2.00%	12.5
	UC-70	760.0	748.47	450	2.00%	11.5
Woodward Ave	nue					
2-C-	155 (existing)	735.7	727.36			8.3
	UC-86	746.0	731.36	400	1.00%	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	400	5.00%	16.6
Blanchard Stree	<u>et</u>					
	UC-77	739.0	730.94	325	1.10%	8.1
	UC-78	756.0	735.62	390	1.20%	20.4
Pershing Avenu						
<u>_</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
59th Street						5.1
	UC-83	748.5	741.06	400	0.40%	7.4

Nia	Day Itom		Approx		Unit			American
No.	Pay Item		Quantity			Price		Amount
IAINLI	NE SEWER							
1	SANITARY SEWER	(OPEN CUT)						
	8-inch	0-8 feet deep	1,130	lin. ft.	\$	82.00	\$	\$92,66
		8-12 feet deep	3,300	lin. ft.	\$	96.00	\$ \$ \$	\$316,80
		12-16 feet deep	960	lin. ft.	\$	116.00	\$	\$111,36
		16-20 feet deep	460	lin. ft.	\$	139.00	\$	\$63,94
2	SANITARY MANHOL	.ES						
	48-inch	0-8 feet deep	4	each	\$	5,300.00	\$	\$21,20
		8-12 feet deep	8	each	\$	7,000.00	\$	\$56,00
		12-16 feet deep	3	each	\$	8,500.00	\$	\$25,50
		16-20 feet deep	1	each	\$	11,300.00	\$ \$ \$	\$11,30
З	CONNECTION TO E	XISTING MANHOLE						
0	8-inch		3	each	\$	6,800.00	\$	\$20,40
4		0.0 feet deep	1 000	lin ff	¢	100.00	¢	¢400.70
	8-inch	0-8 feet deep	1,203	lin.ft.	\$	102.00	<u>\$</u>	\$122,70
		8-12 feet deep	1,391	lin.ft.	\$	124.00	<u>\$</u>	\$172,48
		12-16 feet deep	676	lin. ft.	\$	150.00	\$ \$ \$	\$101,40
		16-20 feet deep	347	lin. ft.	\$	198.00	\$	\$68,70
5	TREE TUNNELING		440	lin. ft.	\$	211.00	\$	\$92,84
6	SEWER TELEVISING	G FOR FINAL INSPECT	ION					
			5,850	lin. ft.	\$	3.00	\$	\$17,55
7	SEWER TESTING FO	OR FINAL INSPECTION	J					
	-		5,850	lin. ft.	\$	3.00	\$	\$17,55
8	CULVERT REMOVA	L AND REPLACEMENT	-					
	15-inch		10	lin. ft.	\$	113.00	\$	\$1,13
	12-inch		185	lin. ft.	\$	89.00	\$	\$16,46
9	RESTORATION OF I	AWNS						
-	AND PARKWAYS:							
	Topsoil and soc	ł	6,027	sq.yd.	\$	15.00	\$	\$90,40
10	RESTORATION OF S	STREETS						
10	Bit. Concrete Str		2,018	sq.yd.	\$	70.00	\$	\$141,26
11	REMOVE AND REPL							
11	Bituminous		695	sq.yd.	\$	53.00	\$	\$36,83
	PCC		55	sq.yd.	\$	89.00	\$ \$	\$4,89
	100		00	oq.yu.	Ψ	00.00	Ψ	ψ+,03

No.	Pay Item	Approx Qua			Unit Price	Amount	
12	TREE REMOVAL AND TRIMMING				Lump Sum	\$	\$1,460
13	EROSION CONTROL						
	Silt Fence				Lump Sum	\$	\$7,297
14	TRAFFIC CONTROL:				Lump Sum	\$	\$13,140
	SUBTOTAL					\$	\$1,625,283
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	842	lin. ft.	\$	55.00	\$	\$46,310
	Far side	2,286	lin. ft.	\$	55.00	\$ \$	\$125,730
	Riser Pipes	74	vert. ft.	\$	52.00	\$	\$3,848
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	58	each	\$	608.00	<u>\$</u> \$	\$35,264
	Far side	46	each	\$	749.00	\$	\$34,454
3	BUILDING SERVICE PLUG	104	each	\$	228.00	\$	\$23,712
4	RESTORATION OF LAWNS AND PARKWAYS:						
	Topsoil and sod	2,417	sq.yd.	\$	15.00	\$	\$36,255
		_,		<u> </u>		<u>+</u>	+ ;=
5	RESTORATION OF STREETS		_	•			
	Bit. Concrete Street	562	sq.yd.	\$	69.00	\$	\$38,778
6	TRENCH BACKFILL						
	0-8 feet deep	1,090	lin. ft.	\$	68.00	\$	\$74,120
	SUBTOTAL					\$	\$418,471
	TOTAL ESTIMATE OF CONSTR	RUCTION COST				\$	\$2,043,800
		Contingen	cies		(20%)		\$408,800
		Engineerin			(20%)		\$408,800
		Legal / Adr			(6%)		\$171,700
		Easement		on	(-)		\$42,800
	TOTAL OPINION OF PROBABL	E COST				\$	\$3,075,900
					Cost per lo	ot	\$29,580

Table 4.3-21Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersSherman Avenue (North)Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
<u>Sherman</u>	Avenue					
	2-C-142 (existing)	734.5	726.04			8.5
	UC-90	752.0	730.28	212	2.00%	21.7
		10210	100120	400	0.40%	2
	UC-91	746.0	731.88			14.1
	UC-92	742.0	700 40	400	0.40%	0 5
	00-92	742.0	733.48	400	3.00%	8.5
	UC-93	760.0	745.48		010070	14.5
				400	3.00%	
	UC-94	767.0	757.48			9.5

NI -	Devillen	Approxi			Unit		A A	
No.	Pay Item		Quan	lity		Price		Amount
MAINLI	NE SEWER							
1		. ,						
	8-inch	8-12 feet deep	870	lin. ft.	\$	96.00	\$	\$83,520
		12-16 feet deep	570	lin. ft.	\$	116.00	\$ \$ \$	\$66,120
		16-20 feet deep	385	lin. ft.	\$	139.00	\$	\$53,515
2	SANITARY MAN	HOLES						
	48-inch	8-12 feet deep	2	each	\$	7,000.00	\$	\$14,000
		12-16 feet deep	2		\$	8,500.00	\$ \$ \$	\$17,000
		16-20 feet deep	1	each	\$	11,300.00	\$	\$11,300
3	CONNECTION T	O EXISTING MANH	OLE					
	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKF	-11 1						
·	8-inch	8-12 feet deep	870	lin. ft.	\$	124.00	\$	\$107,880
		12-16 feet deep	570	lin. ft.	\$ \$ \$	150.00	\$ \$ \$	\$85,500
		16-20 feet deep	385	lin. ft.	\$	198.00	\$	\$76,230
5		NG	120	lin. ft.	\$	211.00	\$	\$25,320
6	SEWER TELEVI	SING FOR FINAL IN	SPECTIO	N				
0			1,825	lin. ft.	\$	3.00	\$	\$5,475
_								
7	SEWER TESTIN	G FOR FINAL INSPE		lin. ft.	¢	2 00	¢	¢5 /75
			1,825	III I. II.	\$	3.00	\$	\$5,475
8		OVAL AND REPLACE	EMENT					
	12-inch		360	lin. ft.	\$	89.00	\$	\$32,040
9	RESTORATION	OF LAWNS						
-	AND PARKWAY							
	Topsoil and	d sod	2,847	sq.yd.	\$	15.00	\$	\$42,705
10	RESTORATION							
10	Bit. Concrete		89	sq.yd.	\$	70.00	\$	\$6,230
					<u> </u>		<u>+</u>	+ - ,
11		REMOVAL AND RE						
	18" RCP		20	lin. ft.	\$	113.00	\$	\$2,260
12	REMOVE AND F	REPLACE DRIVEWA	YS					
	Bituminous			sq.yd.	\$	53.00	<u>\$</u> \$	\$22,684
	Concrete		43	sq.yd.	\$	89.00	\$	\$3,827

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$\$1,825
14	EROSION CONTROL		Lump Sum	\$ \$730
15	TRAFFIC CONTROL		Lump Sum	\$ \$7,300
	SUBTOTAL			\$ \$677,736
SERVIC	E LATERALS			<u> </u>
1	BUILDING SERVICE LINES Near side Far side	405 lin. ft. 1,377 lin. ft.		\$\$22,275 \$\$75,735
	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	27 each 27 each	\$ 749.00	\$\$16,416 \$\$20,223
3	BUILDING SERVICE PLUG	54 each	\$ 228.00	\$\$12,312
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,260 sq.yd.	. <u>\$ 15.00</u>	\$\$18,900
5	RESTORATION OF STREETS Bit. Concrete Street	504 sq.yd.	. <u>\$ 69.00</u>	\$\$34,776
6	TRENCH BACKFILL 0-8 feet deep	648 lin. ft.	. <u>\$ 68.00</u>	\$\$44,064
	SUBTOTAL			\$\$244,701
	TOTAL ESTIMATE OF CONST	RUCTION COST		\$\$922,400
		-	(20%) (20%) (6%)	\$184,500 \$184,500 \$77,500
	TOTAL OPINION OF PROBAB	LE COST		<u>\$\$1,368,900</u>

Cost per lot

\$25,350

Table 4.3-23 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Lee Avenue (North) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Maple Ave	enue					
	2-C-147 (existing)	750.8	737.48	000	0.000/	13.3
	UC-99	760.0	748.88	380	3.00%	11.1
Lee Aven	ue					
	2-C-149 (existing)	759.1	745.52		o 4004	13.6
	UC-101	762.0	746.56	260	0.40%	15.4
	UC-102	756.0	748.16	400	0.40%	7.8
				400	0.80%	
	UC-103	760.0	751.36	400	1.80%	8.6
	UC-104	767.0	758.56	400	1.0070	8.4
	UC-105	774.0	765.76	400	1.80%	8.2

No.	Pay Item		Approxin Quanti			Unit Price		Amount
MAINLI	NE SEWER							
1	SANITARY SE	WER (OPEN CUT)						
	8-inch	0-8 feet deep	200	lin. ft.	\$	82.00	\$	\$16,400
	•	8-12 feet deep	1,250	lin. ft.	\$	96.00	\$	\$120,000
		12-16 feet deep	140	lin. ft.	\$ \$ \$	116.00	\$ \$ \$	\$16,240
		16-20 feet deep	260	lin. ft.	\$	139.00	\$	\$36,140
2	DIRECTIONAL	DRILLING						
	8-inch		400	lin. ft.	\$	302.00	\$	\$120,800
3	SANITARY MA	NHOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	\$5,300
		8-12 feet deep	2	each	\$ \$	7,000.00	\$ \$ \$	\$14,000
		12-16 feet deep	2	each	\$	8,500.00	\$	\$17,000
		16-20 feet deep	1	each	\$	11,300.00	\$	\$11,300
4	CONNECTION	TO EXISTING MA	-					
	8-inch		2	each	\$	6,800.00	\$	\$13,600
5	TRENCH BACH	KFILL						
	8-inch	0-8 feet deep	200	lin. ft.	\$	102.00	\$	\$20,400
		8-12 feet deep	1,250	lin. ft.	\$ \$ \$	124.00	\$ \$ \$	\$155,000
		12-16 feet deep	140	lin. ft.	\$	150.00	\$	\$21,000
		16-20 feet deep	260	lin. ft.	\$	198.00	\$	\$51,480
6	TREE TUNNEL	ING	0	lin. ft.	\$	211.00	\$	\$0
7	SEWER TELE	VISING FOR FINAL	INSPECT	ION				
			2,250	lin. ft.	\$	3.00	\$	\$6,750
8	SEWER TESTI	ING FOR FINAL IN	SPECTION	l				
			2,250	lin. ft.	\$	3.00	\$	\$6,750
9	CULVERT REM	MOVAL AND REPL	ACEMENT					
	12-inch		55	lin. ft.	\$	89.00	\$	\$4,895
10		R REMOVAL AND	REPLACE	MENT				
	18" RCP		20	lin. ft.	\$	113.00	\$	\$2,260
11	RESTORATION							
			· - –		*		•	** *
	Topsoil a	nd sod	457	sq.yd.	\$	15.00	\$	\$6,855
12	RESTORATION		4 070		۴	70.00	•	
	Bit. Concre	ete Street	1,678	sq.yd.	\$	70.00	\$	\$117,460

	5 "	Approxir			Unit		
No.	Pay Item	Quant	ity		Price		Amount
13	REMOVE AND REPLACE DRIVE	EWAYS					
	Bituminous	711	sq.yd.	\$	53.00	\$	\$37,683
	Concrete	178	sq.yd.	\$	89.00	\$ \$	\$15,842
14	TREE REMOVAL AND TRIMMIN	IG:		Lump	Sum	\$	\$730
15	EROSION CONTROL			Lump	Sum	\$	\$730
16	TRAFFIC CONTROL			Lump	Sum	\$	\$10,950
	SUBTOTAL					\$	\$829,565
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	522	lin. ft.	\$	55.00	\$	\$28,710
	Far side	1,200	lin. ft.	\$	55.00	\$ \$	\$66,000
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	29	each	\$	608.00	\$	\$17,632
	Far side	25	each	\$	749.00	\$ \$	\$18,725
3	BUILDING SERVICE PLUG	54	each	\$	228.00	\$	\$12,312
4	RESTORATION OF LAWNS						
	AND PARKWAYS						
	Topsoil and sod	1,156	sq.yd.	\$	15.00	\$	\$17,340
5	RESTORATION OF STREETS						
	Bit. Concrete Street	422	sq.yd.	\$	69.00	\$	\$29,118
6	TRENCH BACKFILL						
	0-8 feet deep	625	lin. ft.	\$	68.00	\$	\$42,500
	SUBTOTAL					\$	\$232,337
	TOTAL ESTIMATE OF CON	STRUCTIO	N COST			\$	\$1,061,900
		Contingenc	ies (2	0%)			\$212,400
		Engineering	,	0%)			\$212,400
		Legal / Adm		6%)			\$89,200
		Easement A	•				\$14,600
	TOTAL OPINION OF PROB	ABLE COST	Г			\$	\$1,590,500
					Cost per lo	ot	\$29,450
							÷ -, · • •

Table 4.3-25 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Downers Grove Gardens Sub-Area Cost Summary

Near Services	Far Services	Cost		Cost per lot	
37	31	\$	1,421,100	\$	20,900
72	57	\$	2,677,200	\$	20,750
25	0		680,300	\$	27,210
52	0		1,335,400	\$	25,680
32	32		1,293,100	\$	20,200
10	7		285,300	\$	16,780
20	19		811,100	\$	20,800
5	9	\$	342,000	\$	24,430
33	19	\$	1,602,200	\$	30,810
58	46	\$	3,075,900	\$	29,580
27	27	\$	1,368,900	\$	25,350
29	25	\$	1,590,500	\$	29,450
400	272	\$	16,483,000	\$	24,530
	72 25 52 32 10 20 5 33 58 27 29 400	72 57 25 0 52 0 32 32 10 7 20 19 5 9 33 19 58 46 27 27 29 25	72 57 \$ 25 0 \$ 52 0 \$ 32 32 \$ 10 7 \$ 20 19 \$ 5 9 \$ 33 19 \$ 58 46 \$ 27 27 \$ 29 25 \$	72 57 \$ 2,677,200 25 0 \$ 680,300 52 0 \$ 1,335,400 32 32 \$ 1,293,100 10 7 \$ 285,300 20 19 \$ 811,100 5 9 \$ 342,000 33 19 \$ 1,602,200 58 46 \$ 3,075,900 27 27 \$ 1,368,900 29 25 \$ 1,590,500	72 57 \$ 2,677,200 \$ 25 0 \$ 680,300 \$ 52 0 \$ 1,335,400 \$ 32 32 \$ 1,293,100 \$ 10 7 \$ 285,300 \$ 20 19 \$ 811,100 \$ 5 9 \$ 342,000 \$ 33 19 \$ 1,602,200 \$ 58 46 \$ 3,075,900 \$ 27 27 \$ 1,368,900 \$ 29 25 \$ 1,590,500 \$

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 costeffective 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 \$420,100 including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

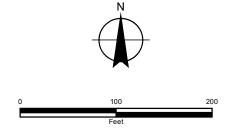
EXHIBIT 4.4

FAIRHAVEN COURT POSSIBLE SEWER ALIGNMENT

April 2022

LEGEND

PROPOSED MANHOLES
 PROPOSED SEWERS
 EXISTING MANHOLES
 EXISTING SEWERS
 PARCEL BOUNDARIES
 FAIRHAVEN COURT



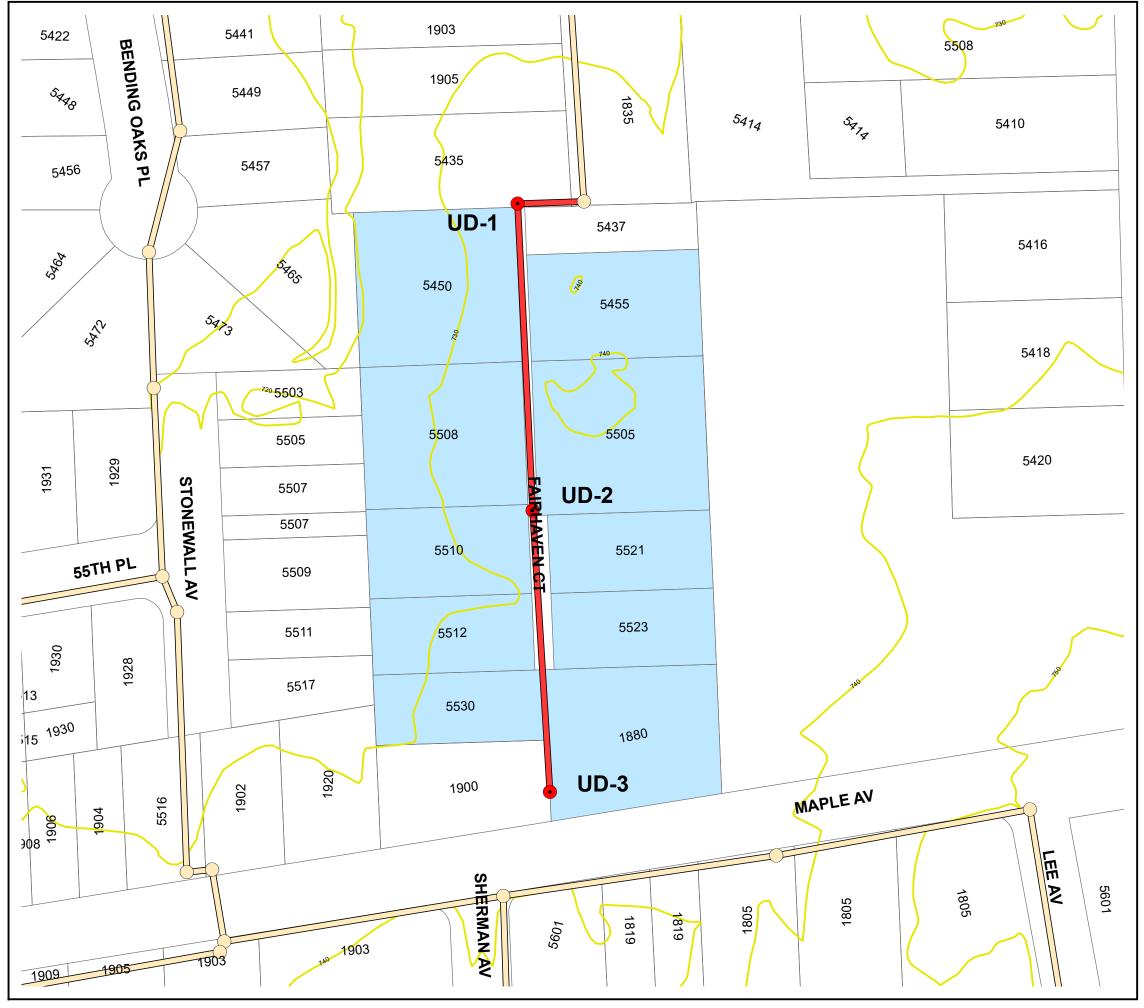


Table 4.4-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersFairhaven CourtPreliminary Design Layout

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

No	Dov Itom		Approxima Quantity			Unit Price	Amount
No.	Pay Item		Quantity	y		Price	Amount
MAINLI	NE SEWER						
1	SANITARY SEWER (0 8-inch 8	OPEN CUT) -12 feet deep	670	lin. ft.	\$	96.00	\$ \$64,320
2	SANITARY MANHOLE 48-inch 8	ES -12 feet deep	3	each	\$	7,000.00	\$ \$21,000
3	CONNECTION TO EX 8-inch	STING MANHOL	E 1	each	\$	6,800.00	\$ \$6,800
4	TRENCH BACKFILL 8-inch 8	-12 feet deep	630	lin. ft.	\$	124.00	\$ \$78,120
5	TREE TUNNELING		0	lin. ft.	\$	211.00	\$ \$0
6	SEWER TELEVISING	FOR FINAL INSP	ECTION 670	lin. ft.	\$	3.00	\$ \$2,010
7	SEWER TESTING FC	R FINAL INSPEC	TION 670	lin. ft.	\$	3.00	\$ \$2,010
8	CULVERT REMOVAL 12-inch	AND REPLACEM	IENT 0	lin. ft.	\$	89.00	\$ \$0_
9	RESTORATION OF L AND PARKWAYS: Topsoil and sod	AWNS	111	sq.yd.	\$	15.00	\$ \$1,665
10	RESTORATION OF S Bit. Concrete Stre			sq.yd.	\$	70.00	\$ \$39,200
11	REMOVE AND REPL/ Bituminous	ACE DRIVEWAYS	0	sq.yd.	\$	53.00	\$ \$0_
12	TREE REMOVAL AND	D TRIMMING			Lum	p Sum	\$ \$365
13	EROSION CONTROL				Lum	p Sum	\$ \$365

No.	Pay Item	Approxim Quantit			Unit Price		Amount
14	TRAFFIC CONTROL			Lum	ıp Sum	\$	\$7,300
	SUBTOTAL					\$	\$223,155
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	100	lin. ft.	<u>\$</u> \$	55.00	<u>\$</u> \$	\$5,500
	Far side	125	lin. ft.	\$	55.00	\$	\$6,875
2	BUILDING SERVICE						
_	BRANCH FITTINGS						
	Near Side	5	each	\$	608.00	\$	\$3,040
	Far side	5	each	\$ \$	749.00	\$ \$	\$3,745
3	BUILDING SERVICE PLUG	10	each	\$	228.00	\$	\$2,280
4	RESTORATION OF LAWNS						
т	AND PARKWAYS:						
	Topsoil and sod	139	sq.yd.	\$	15.00	\$	\$2,085
5	RESTORATION OF STREETS						
5	Bit. Concrete Street	33	sq.yd.	\$	69.00	\$	\$2,277
			oq.ya.	Ψ	00.00	<u> </u>	<i>\</i>
6	TRENCH BACKFILL						
	0-8 feet deep	70	lin. ft.	\$	68.00	\$	\$4,760
	SUBTOTAL					\$	\$30,562
	TOTAL ESTIMATE OF CON	STRUCTION CC	ST			\$	\$253,700
		Orationary					¢50.700
		Contingencies	•	20%)			\$50,700 \$50,700
		Engineering Legal / Admin		0%) 6%)			\$50,700 \$21,300
		Easement Ac		0.01			\$43,700
	TOTAL OPINION OF PROBA	ABLE COST				\$	\$420,100
					Cost per lo	ot	\$42,010

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 187 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.

Sub-basin	No. of Services	Layout	Cost Estimate
Morton and Downers	39	Table 4.5-1	Table 4.5-2
40 th and Seeley (North)	21	Table 4.5-3	Table 4.5-4
40 th 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
Venard Road (South)	(completed)	Table 4.5-13	Table 4.5-14
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)	18	Table 4.5-21	Table 4.5-22

The following are the proposed sub-basins:

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 40th Street. This subbasin 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 \$1,506,700, including contingency, engineering, easements, and legal/administrative costs.

The 40th and Seeley (North) sub-basin sewer plan also follows the existing topography which falls from Herbert and Seeley south to 40th 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 40th 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 \$658,900, including contingency, engineering, and legal/administrative costs.

The 40th 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 40th and east along 40th 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 \$461,400, 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 \$1,245,900, 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 \$1,006,200, 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 \$404,400, 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 \$163,800, 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 \$73,700, 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 \$333,100, 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. In 2016, construction on the Packey-Webb facility was completed, eliminating a number of unsewered parcels in the sub-basin. In February 2020, Baxter & Woodman performed a special assessment evaluation on the entire Ogden-Lacey-Grant-Lee (South) sub-basin, with the exception of three parcels on the north side of Ogden Avenue. The cost per lot in the special assessment was nearly \$14,000 more than the cost per lot in this plan. This cost difference is due to the entire Ogden/Lacey/Grant/Lee (South) sub-basin needing to be built-out to service the special assessment study area. The cost per lot for the special assessment area did not include three unsewered lots along the north side of Ogden Avenue which have relatively easy and short lengths of sewer installation. Including these three easy-to-connect lots in the UAP causes the overall cost per lot to be lower than the special assessment. This assessment did not move forward any further due to insufficient interest from the property owners. 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 \$2,693,600, including contingency, engineering, easements, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

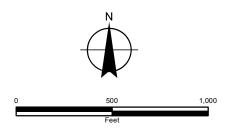
EXHIBIT 4.5

BURLINGTON HIGHLANDS POSSIBLE SEWER ALIGNMENT

April 2022

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-



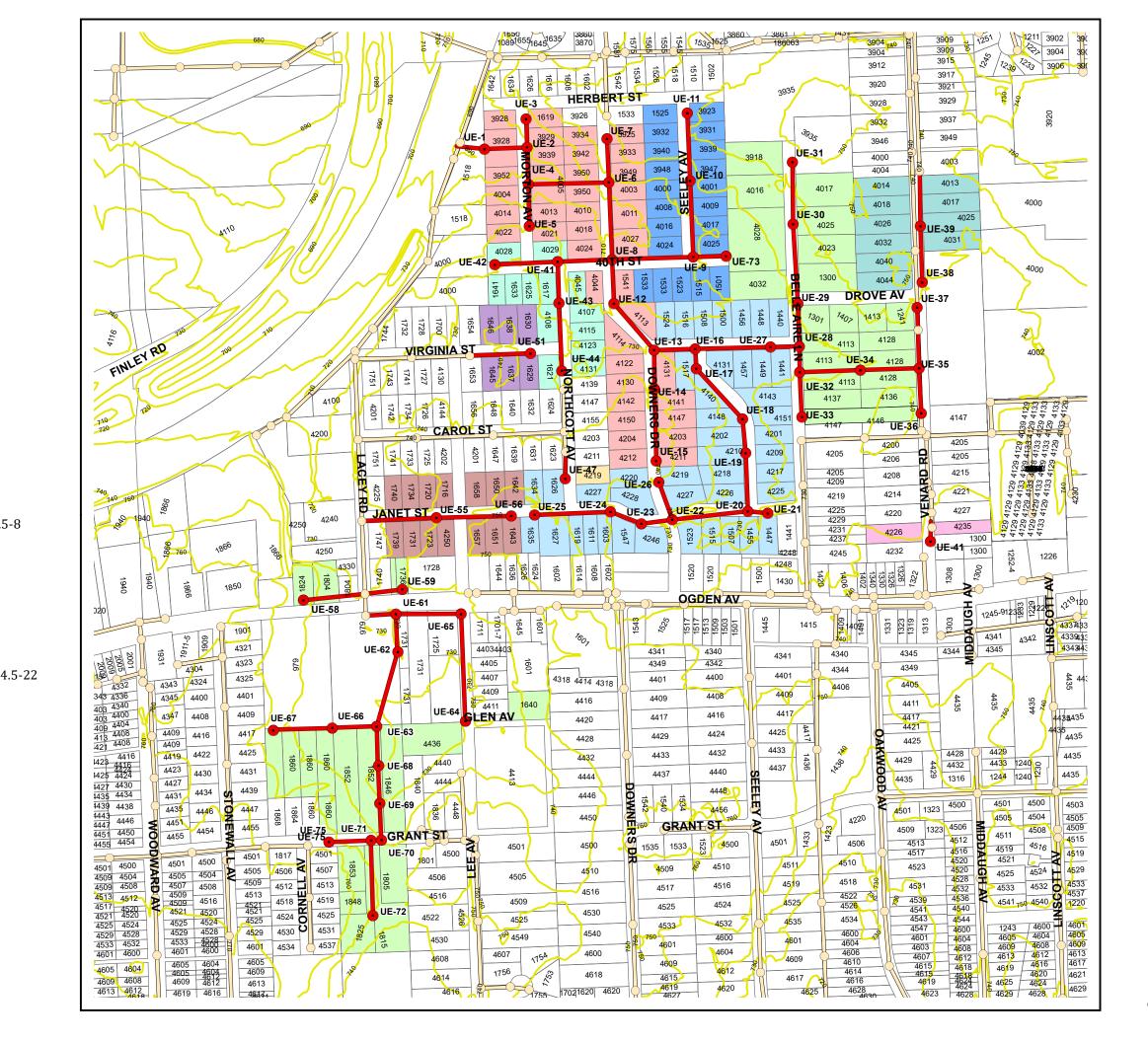


Table 4.5-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersMorton and DownersPreliminary Design Layout

Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Morton Avenue					
N-2-001 existing	690.2	685.00	100	4.000/	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
Downers Drive					
			400	2.00%	
UE-6	716.0	698.45	250	5.00%	17.6
UE-7	724.0	710.95	400	1.50%	13.1
UE-8	713.5	704.45	250	2.00%	9.0
UE-12	719.5	709.45	320	1.50%	10.1
UE-13	729.0	714.25	180	3.00%	14.8
UE-14	738.0	719.65	400	2.50%	18.4
UE-15	741.0	729.65	400	2.3070	11.4

8-12 feet deep 1,295 lin. ft. $$ 96.00$ $$ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $	No.	Pay Item		Approx Quar		Unit Price	Amount
8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep 100 12-16 feet deep lin. ft. 5 5 82.00 5 5 58.20 5 2 SANITARY MANHOLES 48-inch 0-8 feet deep 1.485 116.00 5 5 5300.00 5 5 532.60 5 2 SANITARY MANHOLES 48-inch 0-8 feet deep 8-12 feet deep 0 each 5 5.300.00 5 5 542.00 5 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each 8-12 feet deep 1 each 5 11.300.00 5 \$ \$ 4 TRENCH BACKFILL 8-inch 0 8-feet deep 12-16 feet deep 0 lin. ft. 5 102.00 5 \$ \$ \$ 4 TRENCH BACKFILL 8-inch 0 8-feet deep 12-16 feet deep 12-16 feet deep 0 lin. ft. 5 102.00 5 \$ \$ \$ 5 TREE TUNNELING 0-8 feet deep 12-16 feet deep 100 lin. ft. 5 122.00 5 \$ \$ \$ \$ \$ 6 AUGER UNDER EXISTING BOX CULVERT 100 lin. ft. 5 \$ \$ \$	MA	INLINE SEWER					
8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep 100 12-16 feet deep lin. ft. 5 5 82.00 5 5 58.20 5 2 SANITARY MANHOLES 48-inch 0-8 feet deep 1.485 116.00 5 5 5300.00 5 5 532.60 5 2 SANITARY MANHOLES 48-inch 0-8 feet deep 8-12 feet deep 0 each 5 5.300.00 5 5 542.00 5 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each 8-12 feet deep 1 each 5 11.300.00 5 \$ \$ 4 TRENCH BACKFILL 8-inch 0 8-feet deep 12-16 feet deep 0 lin. ft. 5 102.00 5 \$ \$ \$ 4 TRENCH BACKFILL 8-inch 0 8-feet deep 12-16 feet deep 12-16 feet deep 0 lin. ft. 5 102.00 5 \$ \$ \$ 5 TREE TUNNELING 0-8 feet deep 12-16 feet deep 100 lin. ft. 5 122.00 5 \$ \$ \$ \$ \$ 6 AUGER UNDER EXISTING BOX CULVERT 100 lin. ft. 5 \$ \$ \$	1	SANITARY SEWER (C	PEN CUT)				
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12-16 feet deep 1,485 lin. ft. \$ 116.00 \$ \$172.26 16-20 feet deep 235 lin. ft. \$ 139.00 \$ \$332.66 2 SANITARY MANHOLES 0 each \$ 5.300.00 \$ \$\$332.66 2 SANITARY MANHOLES 0 each \$ 5.000.00 \$ \$\$42.00 12-16 feet deep 6 each \$ 5.000.00 \$ \$\$42.00 12-16 feet deep 1 each \$ 6.800.00 \$ \$\$42.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6.800.00 \$ \$\$6.80 4 TRENCH BACKFILL 1 each \$ 6.800.00 \$ \$\$6.80 4 TRENCH BACKFILL 1 each \$ 6.800.00 \$ \$\$6.80 5 TREE TUNNELING 1 in. ft. \$ 122.00 \$\$ \$\$ 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 211.00 \$ \$23.21 6			8-12 feet deep	1,295	lin. ft.	96.00	\$ \$124,320
16-20 feet deep 235 lin. ft. \$ 139.00 \$< \$< \$< <			12-16 feet deep	1,485	lin. ft.	116.00	\$ \$172,260
48-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep 0 6 each \$ 7,000.00 \$ \$42.00 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$ 6,800.00 \$ \$6,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$6,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$5,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$5,80 5 TREE TUNNELING 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$22,80 5 TREE TUNNELING 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$23,21 6 AUGER UNDER EXISTING BOX CULVERT 10 lin. ft. \$ 211.00 \$ \$23,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 210.00 \$ \$10,48 7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$14,24 10			16-20 feet deep	235	lin. ft.	\$ 139.00	\$ \$32,665
8-12 feet deep 6 each \$ 7,000.00 \$ \$42,00 12-16 feet deep 4 each \$ 5,000.00 \$ \$34,00 16-20 feet deep 2 each \$ 5,000.00 \$ \$34,00 3 CONNECTION TO EXISTING MANHOLE acch \$ 6,800.00 \$ \$22,60 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 \$ \$22,60 4 TRENCH BACKFILL 0-8 feet deep 0 lin. ft. \$ 102,00 \$ \$6,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 165 lin. ft. \$ 102,00 \$ \$20,46 8-12 feet deep 165 lin. ft. \$ 102,00 \$ \$22,20 \$ \$78,00 12-16 feet deep 60 lin. ft. \$ 124,00 \$ \$22,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 211,00 \$ \$223,21 6 AUGER UNDER EXISTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3,00 \$ \$9,34 7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3,00 \$ \$9,34 9 CULVERT REMOVAL AND REPLACEMENT </td <td>2</td> <td>SANITARY MANHOLE</td> <td>S</td> <td></td> <td></td> <td></td> <td></td>	2	SANITARY MANHOLE	S				
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16-20 feet deep 2 each \$ 11,300.00 \$ \$ \$22,60 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$ 6,800.00 \$ \$6,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$ \$6,80 4 TRENCH BACKFILL 8-inch 0-8 feet deep 0 lin. ft. \$ 102.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			12-16 feet deep	4	each	\$ 8,500.00	\$ \$34,000
8-inch 1 each \$ 6,800.00 \$ \$6,800 4 TRENCH BACKFILL 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep 16-20 feet deep 0 lin. ft. 5 \$ 102.00 5 \$ \$ \$ 5 TREE TUNNELING 12-16 feet deep 16-20 feet deep 100 lin. ft. 5 \$ 198.00 \$ \$ \$20,46 6 AUGER UNDER EXISTING BOX CULVERT 100 lin. ft. 5 \$ 121.00 \$ \$223,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. 5 \$ \$ \$230,21 7 SEWER TELEVISING FOR FINAL INSPECTION 12-inch 3,115 lin. ft. 5 \$<			16-20 feet deep	2	each	\$ 11,300.00	\$ \$22,600
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8-12 feet deep 12-16 feet deep 16-20 feet deep 165 520 lin. ft. \$ 124.00 \$ 150.00 \$ \$20,46 \$ \$78,00 5 TREE TUNNELING 110-20 feet deep 60 lin. ft. \$ 198.00 \$ \$78,00 5 TREE TUNNELING 110 lin. ft. \$ 198.00 \$ \$23,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 211.00 \$ \$23,21 6 AUGER UNDER EXISTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 524.00 \$ \$10,48 7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 5,000 \$ \$15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 \$ \$9,yd. \$ \$14.00 \$ \$535,00 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 \$ \$34,0 \$ \$12,19		8-inch	0-8 feet deep	0	lin. ft.	\$ 102.00	\$ \$0
16-20 feet deep 60 lin. ft. \$ 198.00 \$ \$11,88 5 TREE TUNNELING 110 lin. ft. \$ 211.00 \$ \$23,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 524.00 \$ \$10,48 7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$99,34 8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$99,34 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 5,000 \$q.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 \$q.yd. \$ 70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 \$q.yd. \$ 53.00 \$ \$12,19			8-12 feet deep	165	lin. ft.	\$ 124.00	\$ \$20,460
16-20 feet deep 60 lin. ft. \$ 198.00 \$ \$11,88 5 TREE TUNNELING 110 lin. ft. \$ 211.00 \$ \$23,21 6 AUGER UNDER EXISTING BOX CULVERT 20 lin. ft. \$ 524.00 \$ \$10,48 7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$99,34 8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$99,34 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 5,000 \$q.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 \$q.yd. \$ 70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 \$q.yd. \$ 53.00 \$ \$12,19			12-16 feet deep	520	lin. ft.	150.00	\$ \$78,000
6AUGER UNDER EXISTING BOX CULVERT20lin. ft.\$524.00\$\$10,487SEWER TELEVISING FOR FINAL INSPECTION3,115lin. ft.\$3.00\$\$9,348SEWER TESTING FOR FINAL INSPECTION3,115lin. ft.\$3.00\$\$9,349CULVERT REMOVAL AND REPLACEMENT 12-inch160lin. ft.\$89.00\$\$14,2410RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod5,000sq.yd.\$15.00\$\$75,0011RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk85sq.yd.\$70.00 \$\$\$5,9512REMOVE AND REPLACE DRIVEWAYS Bituminous230sq.yd.\$53.00\$\$12,19			16-20 feet deep	60	lin. ft.	198.00	\$ \$11,880
7 SEWER TELEVISING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 9 CULVERT REMOVAL AND REPLACEMENT 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS 160 sq.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS 85 sq.yd. \$ 70.00 \$ \$5,95 9 COLVERT REMOVE AND REPLACE DRIVEWAYS 85 sq.yd. \$ \$14,00 \$ \$15,95 11 RESTORATION OF STREETS 85 sq.yd. \$ \$70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS 2,500 sq. ft \$ 53.00 \$ \$12,19	5	TREE TUNNELING		110	lin. ft.	\$ 211.00	\$ \$23,210
8 SEWER TESTING FOR FINAL INSPECTION 3,115 lin. ft. \$ 3.00 \$ \$9,34 9 CULVERT REMOVAL AND REPLACEMENT 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS 160 sq.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS 85 sq.yd. \$ 70.00 \$ \$5,95 PCC Sidewalk 2,500 sq. ft \$ 14.00 \$ \$35,00 12 REMOVE AND REPLACE DRIVEWAYS 230 sq.yd. \$ 53.00 \$ \$12,19	6	AUGER UNDER EXIS	TING BOX CULVERT	20	lin. ft.	\$ 524.00	\$ \$10,480
9 CULVERT REMOVAL AND REPLACEMENT 12-inch 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 5,000 sq.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 sq.yd. \$ 70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ \$12,19	7	SEWER TELEVISING	FOR FINAL INSPECTION	3,115	lin. ft.	\$ 3.00	\$ \$9,345
12-inch 160 lin. ft. \$ 89.00 \$ \$14,24 10 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 5,000 sq.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 sq.yd. \$ 70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ \$12,19	8	SEWER TESTING FO	R FINAL INSPECTION	3,115	lin. ft.	\$ 3.00	\$ \$9,345
Topsoil and sod 5,000 sq.yd. \$ 15.00 \$ \$75,00 11 RESTORATION OF STREETS Bit. Concrete Street PCC Sidewalk 85 sq.yd. \$ 70.00 \$ \$5,95 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ \$12,19	9		AND REPLACEMENT	160	lin. ft.	\$ 89.00	\$ \$14,240
Bit. Concrete Street 85 sq.yd. \$ 70.00 \$ \$\$5,95 PCC Sidewalk 2,500 sq. ft \$ 14.00 \$ \$\$35,00 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ \$12,19	10		AWNS AND PARKWAYS	5,000	sq.yd.	\$ 15.00	\$ \$75,000
Bit. Concrete Street 85 sq.yd. \$ 70.00 \$ \$\$5,95 PCC Sidewalk 2,500 sq. ft \$ 14.00 \$ \$\$35,00 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ \$12,19	11	RESTORATION OF S	TREETS				
PCC Sidewalk 2,500 sq. ft 14.00 \$ \$35,00 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 230 sq.yd. \$ 53.00 \$ 12,19				85	sa.vd.	\$ 70.00	\$ \$5,950
Bituminous 230 sq.yd. <u>\$ 53.00</u> \$ \$12,19					•••		\$35,000
Bituminous 230 sq.yd. <u>\$ 53.00</u> \$ \$12,19	12	REMOVE AND REPLA	ACE DRIVEWAYS				
				230	sq.yd.	\$ 53.00	\$ \$12,190
		Concrete		120	sq.yd.	\$ 89.00	\$ \$10,680

No.	Pay Item	Approx Quai			Unit Price		Amount
	· ·		j			^	
13	TREE REMOVAL AND TRIMMING:			Lun	np Sum	\$	\$21,900
14	EROSION CONTROL:			Lum	np Sum	\$	\$14,600
15	TRAFFIC CONTROL:			Lun	np Sum	\$	\$14,600
	SUBTOTAL					\$	\$809,725
SEI	RVICE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	320	lin. ft.	\$	55.00	\$	\$17,600
	Far side	950	lin. ft.	\$	55.00	\$	\$52,250
	Riser Pipes	75	vert. ft.	\$	52.00	\$	\$3,900
2	BUILDING SERVICE BRANCH FITTING						
	Near Side	20	each	<u>\$</u>	608.00	<u>\$</u>	\$12,160
	Far side	19	each	\$	749.00	\$	\$14,231
3	BUILDING SERVICE PLUG:	39	each	\$	228.00	\$	\$8,892
4	RESTORATION OF LAWNS AND PARE						
	Topsoil and sod	490	sq.yd.	\$	15.00	\$	\$7,350
5	RESTORATION OF STREETS:						
	Bit. Concrete Street	340	sq.yd.	\$	69.00	\$	\$23,460
6	TRENCH BACKFILL						
	8-12 feet deep	600	lin. ft.	\$	91.00	\$	\$54,600
	SUBTOTAL					\$	\$194,443
	TOTAL ESTIMATE OF CONSTRUC	CTION COST				\$	\$1,004,200
		Contingencies	(20%)				\$200,800
		Engineering	(20%)				\$200,800
		Legal / Admin	(6%)				\$84,300
		Easement Acqu	isition				\$16,600
	TOTAL OPINION OF PROBABLE (COST				\$	\$1,506,700
					ost per lot		\$38 630

Cost per lot

\$38,630

Table 4.5-3Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers40th and Seely (North)Preliminary Design Layout

ļ	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
40th Place						
	UE-8	713.5	704.45			9.0
	UE-9	719.0	707.43	425	0.70%	11.6
	UE-73	722.0	712.23	160	3.00%	9.8
Seely Avenu	IA					
<u>deely Avent</u>						
	UE-10	725.0	715.43	400	2.00%	9.6
				335	3.00%	
	UE-11	736.0	725.48			10.5

No.	Pay Item		Approxi Quan			Unit Price		Amount
	INLINE SEWER		· · ·	,				
1	SANITARY SEWER (OF							
I	8-inch	0-8 feet deep	80	lin. ft.	\$	82.00	\$	\$6,560
		8-12 feet deep	1,240	lin. ft.	\$	96.00	\$	\$119,040
2	SANITARY MANHOLES	3						
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	\$0
		8-12 feet deep	4	each	\$	7,000.00	\$	\$28,000
3	CONNECTION TO EXIS	STING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL							
	8-inch	0-8 feet deep	50	lin. ft.	\$	102.00	\$	\$5,100
		8-12 feet deep	402	lin. ft.	\$	124.00	\$	\$49,848
5	TREE TUNNELING		80	lin. ft.	\$	211.00	\$	\$16,880
6	SEWER TELEVISING F	OR FINAL INSPECTION	1,320	lin. ft.	\$	3.00	\$	\$3,960
7	SEWER TESTING FOR	FINAL INSPECTION	1,320	lin. ft.	\$	3.00	\$	\$3,960
8	CULVERT REMOVAL A 12-inch	ND REPLACEMENT	188	lin. ft.	\$	89.00	\$	\$16,732
			100		Ψ	00.00	Ψ	ψ10,70 <u>2</u>
9	RESTORATION OF LAV	WNS AND PARKWAYS	4 005		•	45.00	•	\$00.405
	Topsoil and sod		1,895	sq.yd.	\$	15.00	\$	\$28,425
10	RESTORATION OF STI				^	70.00	•	* 4 400
	Bit. Concrete Street	[20	sq.yd.	\$	70.00	\$	\$1,400
11		CE DRIVEWAYS	400		•	50.00	•	* 0.070
	Bituminous Concrete		126 0	sq.yd.	<u>\$</u> \$	53.00 89.00	<u>\$</u> \$	\$6,678 \$0
	-		0	sq.yd.				
12	TREE REMOVAL AND	TRIMMING:			Lur	mp Sum	\$	\$730

		Approxi		Unit		
No.	Pay Item	Quan	tity	Price		Amount
13	EROSION CONTROL:			Lump Sum	\$	\$730
14	TRAFFIC CONTROL:			Lump Sum	\$	\$7,300
	SUBTOTAL				\$	\$302,143
SE	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	378 1,008	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	\$20,790 \$55,440
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	9 12	each each	\$ 608.00 \$ 749.00	\$ \$	\$5,472 \$8,988
3	BUILDING SERVICE PLUG:	21	each	\$ 228.00	\$	\$4,788
4	RESTORATION OF LAWNS AND PARKWA Topsoil and sod	AYS 500	sq.yd.	\$ 15.00	\$	\$7,500
5	RESTORATION OF STREETS: Bit. Concrete Street	168	sq.yd.	\$ 69.00	\$	\$11,592
6	TRENCH BACKFILL 8-12 feet deep	300	lin. ft.	<u>\$ 91.00</u>	\$	\$27,300
	SUBTOTAL				\$	\$141,870
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST			\$	\$444,000
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$88,800 \$88,800 \$37,300
	TOTAL OPINION OF PROBABLE COS	т			\$	\$658,900
				Cost per lot		\$31,380

Table 4.5-5Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers40th and NorthcottPreliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
40th Plac	<u>e</u>					
	UE-8	713.5	704.45			9.0
				280	2.00%	10.0
	UE-41	721.0	710.05	300	2.00%	10.9
	UE-42	729.0	716.05	300	2.00 /8	12.9
Northcott	Avenue					
				250	1.00%	
	UE-43	725.0	712.55		a a a a a	12.4
	UE-44	731.0	719.55	350	2.00%	11.4

No. Pay Item Quantity Price MAINLINE SEWER I SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 15 lin. ft. \$ 82.00 8-inch 0-8 feet deep 15 lin. ft. \$ 82.00 12-16 feet deep 1,025 lin. ft. \$ 96.00 12-16 feet deep 140 lin. ft. \$ 116.00 2 SANITARY MANHOLES 0-8 feet deep 0 each \$ 5,300.00 2 SANITARY MANHOLES 0-8 feet deep 0 each \$ 5,300.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 0-8 feet deep 0 lin. ft. \$ 102.00	\$ \$98,400 \$ \$16,240 \$ \$16,240 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
8-inch 0-8 feet deep 15 lin. ft. \$ 82.00 8-inch 8-12 feet deep 1,025 lin. ft. \$ 96.00 12-16 feet deep 140 lin. ft. \$ 116.00 2 SANITARY MANHOLES 9-8 feet deep 0 each \$ 5,300.00 48-inch 0-8 feet deep 0 each \$ 5,300.00 8-12 feet deep 4 each \$ 7,000.00 12-16 feet deep 0 each \$ 6,800.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	\$ \$98,400 \$ \$16,240 \$ \$16,240 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
8-inch 0-8 feet deep 15 lin. ft. \$ 82.00 8-inch 8-12 feet deep 1,025 lin. ft. \$ 96.00 12-16 feet deep 140 lin. ft. \$ 116.00 2 SANITARY MANHOLES 9-8 feet deep 0 each \$ 5,300.00 48-inch 0-8 feet deep 0 each \$ 5,300.00 8-12 feet deep 4 each \$ 7,000.00 12-16 feet deep 0 each \$ 6,800.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	\$ \$98,400 \$ \$16,240 \$ \$16,240 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
12-16 feet deep 140 lin. ft. \$ 116.00 2 SANITARY MANHOLES 0-8 feet deep 0 each \$ 5,300.00 48-inch 0-8 feet deep 0 each \$ 5,300.00 8-12 feet deep 4 each \$ 7,000.00 12-16 feet deep 0 each \$ 8,500.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	\$\$\$16,240 \$\$\$0 \$\$\$28,000
2 SANITARY MANHOLES 48-inch 0-8 feet deep 8-12 feet deep 0 8-12 feet deep 4 12-16 feet deep 0 9 0 12-16 feet deep 0 1 each 5 5,300.00 1 each 5 7,000.00 1 each 6,800.00 4 TRENCH BACKFILL	\$\$\$0 \$\$\$28,000
48-inch 0-8 feet deep 0 each \$ 5,300.00 8-12 feet deep 4 each \$ 7,000.00 12-16 feet deep 0 each \$ 8,500.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	\$\$28,000
8-12 feet deep 4 each \$ 7,000.00 12-16 feet deep 0 each \$ 8,500.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	\$\$28,000
12-16 feet deep 0 each \$ 8,500.00 3 CONNECTION TO EXISTING MANHOLE 1 each \$ 6,800.00 4 TRENCH BACKFILL 1 each \$ 6,800.00	
3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each <u>\$ 6,800.00</u> 4 TRENCH BACKFILL	<u>\$</u> \$0
8-inch 1 each <u>\$ 6,800.00</u> 4 TRENCH BACKFILL	
4 TRENCH BACKFILL	
	\$\$6,800
8-inch 0-8 feet deep 0 lin. ft. \$ 102.00	
8-12 feet deep 239 lin. ft. \$ 124.00	
12-16 feet deep 15 lin. ft. \$ 150.00	\$\$2,250
5 TREE TUNNELING 50 lin. ft. <u>\$ 211.00</u>	\$\$10,550
6 SEWER TELEVISING FOR FINAL INSPECTION 1,180 lin. ft. <u>\$ 3.00</u>	\$\$3,540
7 SEWER TESTING FOR FINAL INSPECTION 1,180 lin. ft. <u>\$ 3.00</u>	\$\$3,540
8 CULVERT REMOVAL AND REPLACEMENT	
12-inch 30 lin. ft. <u>\$ 89.00</u>	\$ \$2,670
9 RESTORATION OF LAWNS AND PARKWAYS	
Topsoil and sod 1,692 sq.yd. <u>\$ 15.00</u>	\$\$25,380
10 RESTORATION OF STREETS	
Bit. Concrete Street 39 sq.yd. \$ 70.00	
PCC Sidewalk 0 sq. ft. \$ 14.00	\$\$0
11 REMOVE AND REPLACE DRIVEWAYS	
Bituminous 29 sq.yd. <u>\$ 53.00</u>	
Concrete 0 sq.yd. <u>\$ 89.00</u>	\$\$0
12 TREE REMOVAL AND TRIMMING: Lump Sum	

No.	Pay Item	Approxi Quan		Unit Price		Amount
13	EROSION CONTROL:			Lump Sum	\$	\$730
13						
14	TRAFFIC CONTROL:			Lump Sum	\$	\$6,570
	SUBTOTAL				\$	\$240,533
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES					
	Near side Far side	75 459	lin. ft. lin. ft.	\$ <u>55.00</u> \$ <u>55.00</u>	<u>\$</u> \$	\$4,125 \$25,245
		400		φ 00.00	Ψ	φ20,240
2	BUILDING SERVICE BRANCH FITTINGS Near Side	5	each	\$ 608.00	\$	\$3,040
	Far side	9	each	\$ 000.00 \$ 749.00	\$	\$6,741
3	BUILDING SERVICE PLUG:	14	each	\$ 228.00	\$	\$3,192
4	RESTORATION OF LAWNS AND PARKW	AYS				
	Topsoil and sod	281	sq.yd.	\$ 15.00	\$	\$4,215
5	RESTORATION OF STREETS:					
	Bit. Concrete Street	132	sq.yd.	\$ 69.00	\$	\$9,108
6	TRENCH BACKFILL					
	0-8 feet deep	216	lin. ft.	\$ 68.00	\$	\$14,688
	SUBTOTAL				\$	\$70,354
	TOTAL ESTIMATE OF CONSTRUCT	ON COST			\$	\$310,900
		Contingencies	(20%)			\$62,200
		Engineering Legal / Admin	(20%) (6%)			\$62,200 \$26,100
		Leyai / Autilli	(070)			φ 20,100
	TOTAL OPINION OF PROBABLE COS	ST			\$	\$461,400
				Cost per lot		\$32,960

Table 4.5-7Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersVirginia-Seeley-Janet-DownersPreliminary Design Layout

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

	D 14		Approx			Unit	. .
No.	Pay Item		Quar	ntity		Price	Amount
MA	INLINE SEWER						
1	SANITARY SEWER (O	PEN CUT)					
	8-inch	0-8 feet deep	720	lin. ft.	\$	82.00	\$ \$59,040
		8-12 feet deep	2,460	lin. ft.	\$	96.00	\$ \$236,160
2	SANITARY MANHOLE	S					
	48-inch	0-8 feet deep	4	each	\$	5,300.00	\$ \$21,200
		8-12 feet deep	9	each	\$	7,000.00	\$ \$63,000
3	CONNECTION TO EXI	STING MANHOLE					
	8-inch		1	each	\$	6,800.00	\$ \$6,800
4	TRENCH BACKFILL						
	8-inch	0-8 feet deep	86	lin. ft.	\$	102.00	\$ \$8,772
		8-12 feet deep	796	lin. ft.	\$	124.00	\$ \$98,704
5	TREE TUNNELING		90	lin. ft.	\$	211.00	\$ \$18,990
6	SEWER TELEVISING	FOR FINAL INSPECTION	3,180	lin. ft.	\$	3.00	\$ \$9,540
7	SEWER TESTING FOR	R FINAL INSPECTION	3,180	lin. ft.	\$	3.00	\$ \$9,540
8	CULVERT REMOVAL / 12-inch	AND REPLACEMENT	205	lin. ft.	\$	89.00	\$ \$18,245
9		WNS AND PARKWAYS					
9	Topsoil and sod		4,312	sq.yd.	\$	15.00	\$ \$64,680
10	RESTORATION OF ST	REETS					
	Bit. Concrete Stree	et	109	sq.yd.	\$	70.00	\$ \$7,630
	PCC Sidewalk		50	sq. ft.	\$	14.00	\$ \$700
11	REMOVE AND REPLA	CE DRIVEWAYS					
	Bituminous		268	sq.yd.	\$	53.00	\$ \$14,204
	Concrete		0	sq.yd.	\$	89.00	\$ \$0
12	TREE REMOVAL AND	TRIMMING:			Lur	np Sum	\$ \$1,460

No.	Pay Item	Approx Quai			Jnit Price		Amount
13	EROSION CONTROL:			Lump		\$	\$1,460
	TRAFFIC CONTROL:			Lump		\$	\$14,600
17	SUBTOTAL			Lump	Sam	<u> </u>	\$654,725
<u>о</u> гі						<u> </u>	<u> </u>
SEI	RVICE LATERALS						
1	BUILDING SERVICE LINES Near side Far side	375 918	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	\$20,625 \$50,490
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	25 18	each each		608.00 749.00	\$ \$	\$15,200 \$13,482
3	BUILDING SERVICE PLUG:	43	each	\$	228.00	\$	\$9,804
4	RESTORATION OF LAWNS AND PARKWA Topsoil and sod	AYS 878	sq.yd.	\$	15.00	\$	\$13,170
5	RESTORATION OF STREETS: Bit. Concrete Street	252	sq.yd.	\$	69.00	\$	\$17,388
6	TRENCH BACKFILL 8-12 feet deep	486	lin. ft.	\$	91.00	\$	\$44,226
7	REMOVE AND REPLACE DRIVEWAYS Bituminous	10	sq. yd.	\$	52.00	\$	\$520
	SUBTOTAL					\$	\$184,905
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST				\$	\$839,600
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				\$167,900 \$167,900 \$70,500
	TOTAL OPINION OF PROBABLE COS	ST				\$	\$1,245,900
				Cost	t per lot		\$28,970

Table 4.5-9Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersBelle Aire and VenardPreliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Belle Aire L	ane					
	UE-28	728.0	717.31		0.000/	10.7
	UE-29	732.0	719.19	235	0.80%	12.8
	UE-30	736.0	723.19	400	1.00%	12.8
	UE-31	744.0	730.39	360	2.00%	13.6
	UE-32	728.0	717.83	130	0.40%	10.2
		736.0	723.43	280	2.00%	
	UE-33	730.0	723.43			12.6
Backyard E				330	0.40%	
	UE-34	730.0	719.15	320	0.80%	10.9
	UE-35	735.0	721.71			13.3
Venard Roa	ad					
		700.0	707 44	270	2.00%	10.0
	UE-36	738.0	727.11	300	2.00%	10.9
	UE-37	738.0	727.71			10.3

			Approx			Unit		
No.	Pay Item		Quar	ntity		Price		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (O	PEN CUT)						
	8-inch	0-8 feet deep	150	lin. ft.	\$	82.00	\$	\$12,300
		8-12 feet deep	2,475	lin. ft.	\$	96.00	\$	\$237,600
2	SANITARY MANHOLE	S						
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	\$0
		8-12 feet deep	9	each	\$	7,000.00	\$	\$63,000
3	CONNECTION TO EXI	STING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL							
•	8-inch	0-8 feet deep	0	lin. ft.	\$	102.00	\$	\$0
		8-12 feet deep	758	lin. ft.	\$	124.00	\$	\$93,992
5	TREE TUNNELING		90	lin. ft.	\$	211.00	\$	\$18,990
6	SEWER TELEVISING F	FOR FINAL INSPECTION	2,625	lin. ft.	\$	3.00	\$	\$7,875
7	SEWER TESTING FOR	R FINAL INSPECTION	2,625	lin. ft.	\$	3.00	\$	\$7,875
8	CULVERT REMOVAL A 12-inch	AND REPLACEMENT	20	lin. ft.	\$	89.00	\$	\$1,780
9	RESTORATION OF LA Topsoil and sod	WNS AND PARKWAYS	3,536	sq.yd.	\$	15.00	\$	\$53,040
10	RESTORATION OF ST	REETS						
	Bit. Concrete Stree		530	sq.yd.	\$	70.00	\$	\$37,100
	PCC Sidewalk		50	sq. ft.	\$	14.00	\$	\$700
11	REMOVE AND REPLA	CE DRIVEWAYS						
	Bituminous		167	sq.yd.	\$	53.00	<u>\$</u> \$	\$8,851
	Concrete		15	sq.yd.	\$	89.00	\$	\$1,335
12	TREE REMOVAL AND	TRIMMING:			Lu	np Sum	\$	\$18,250
13	EROSION CONTROL:				Lu	np Sum	\$	\$10,950

No.	Pay Item	Approx Quar		Unit Price		Amount
14	TRAFFIC CONTROL:			Lump Sum	\$	\$10,950
	SUBTOTAL				\$	\$591,388
SE	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	225 306	lin. ft. lin. ft.	\$55.00 \$55.00		\$12,375 \$16,830
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	5 15 6	each each	\$ 608.00 \$ 749.00	\$ \$	\$9,120 \$4,494
3	BUILDING SERVICE PLUG:	21	each	\$ 228.00	\$	\$4,788
4	RESTORATION OF LAWNS AND PARK Topsoil and sod	WAYS 367	sq.yd.	\$ 15.00	\$	\$5,505
5	RESTORATION OF STREETS: Bit. Concrete Street	84	sq.yd.	\$ 69.00	\$	\$5,796
6	TRENCH BACKFILL 0-8 feet deep	162	lin. ft.	\$ 68.00	\$	\$11,016
	SUBTOTAL				\$	\$69,924
	TOTAL ESTIMATE OF CONSTRUC	\$	\$661,300			
		Contingencies Engineering Legal / Admin Easement Acqui	(20%) (20%) (6%) sition			\$132,300 \$132,300 \$55,600 \$24,700
	TOTAL OPINION OF PROBABLE CO	DST			\$	\$1,006,200
				Cost per lot		\$47,910

Table 4.5-11 **Possible Special Assessment for Sanitary Sewers Burlington Highlands Venard Road (North) Preliminary Design Layout**

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

No.	Pay Item		Approx Quar			Unit Price		Amount
	INLINE SEWER			j				
1	SANITARY SEWER (O 8-inch	PEN CUT) 0-8 feet deep	150	lin. ft.	\$	82.00	\$	\$12,300
	0-men	8-12 feet deep	450	lin. ft.	φ \$	96.00	φ \$	\$43,200
2	SANITARY MANHOLE	S						
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	\$0
		8-12 feet deep	2	each	\$	7,000.00	\$	\$14,000
3	CONNECTION TO EXI	STING MANHOLE	1	aaab	¢	6 900 00	¢	¢6 900
	8-inch		I	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL							
	8-inch	0-8 feet deep	150	lin.ft.	<u>\$</u> \$	102.00	<u>\$</u> \$	\$15,300
		8-12 feet deep	450	lin. ft.	Φ	124.00	φ	\$55,800
5	TREE TUNNELING		0	lin. ft.	\$	211.00	\$	\$0
6	SEWER TELEVISING	FOR FINAL INSPECTION	600	lin. ft.	\$	3.00	\$	\$1,800
7	SEWER TESTING FOR	R FINAL INSPECTION	600	lin. ft.	\$	3.00	\$	\$1,800
8	CULVERT REMOVAL A 12-inch	AND REPLACEMENT	40	lin. ft.	\$	89.00	\$	\$3,560
9	RESTORATION OF LA Topsoil and sod	WNS AND PARKWAYS	1,333	sq.yd.	\$	15.00	\$	\$19,995
			1,000	oq.yu.	Ψ	10.00	Ψ	φ10,000
10	RESTORATION OF ST				^	70.00	^	\$ 0
	Bit. Concrete Stree PCC Sidewalk	et	0 2,000	sq.yd. sq. ft.	<u>\$</u> \$	70.00	<u>\$</u> \$	\$0 \$28,000
	F CC Sidewalk		2,000	эч. п.	ψ	14.00	Ψ	φ20,000
11	REMOVE AND REPLA	CE DRIVEWAYS			•			
	Bituminous Concrete		142 27	sq.yd. sq.yd.	<u>\$</u> \$	53.00 89.00	<u>\$</u> \$	\$7,526 \$2,403
	Concrete		21	sq.yu.	Ψ	09.00	Ψ	φ2,400
12	TREE REMOVAL AND	TRIMMING:			Lur	np Sum	\$	\$365
13	EROSION CONTROL:				Lur	mp Sum	\$	\$365

No.	Pay Item	Approx Quar		Unit Price		Amount
14	TRAFFIC CONTROL:			Lump Sum	\$	\$9,490
	SUBTOTAL				\$	\$222,704
SEF	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	60 306	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	\$3,300 \$16,830
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4 6	each each	\$ 608.00 \$ 749.00	\$ \$	\$2,432 \$4,494
3	BUILDING SERVICE PLUG:	10	each	\$ 228.00	\$	\$2,280
4	RESTORATION OF LAWNS AND PARKV Topsoil and sod	VAYS 244	sq.yd.	\$ 15.00	\$	\$3,660
5	RESTORATION OF STREETS: Bit. Concrete Street	84	sq.yd.	\$ 69.00	\$	\$5,796
6	TRENCH BACKFILL 0-8 feet deep	162	lin. ft.	\$ 68.00	\$	\$11,016
	SUBTOTAL				\$	\$49,808
TOTAL ESTIMATE OF CONSTRUCTION COST					\$	\$272,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$54,500 \$54,500 \$22,900
	TOTAL OPINION OF PROBABLE CO	OST			\$	\$404,400
				Cost per lot		\$40,440

Table 4.5-13 Possible Special Assessment for Sanitary Sewers Burlington Highlands Venard Road (South) Preliminary Design Layout

Manhole Number

<u>Rim</u>

Length (ft)

<u>Slope</u>

Manhole <u>Depth</u>

(Sanitary sewers are available as of March 2018.)

Invert

	Approximate	Unit	
No. Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2018.)

April 2022

	Approximate	Unit	
No. Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2018.)

April 2022

Table 4.5-15 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Virginia Avenue (West) Preliminary Design Layout

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

No.	Dov Itom		Approx Qua			Unit Price	Amount
INO.	Pay Item		Qua	nuty		Plice	Amount
MA	INLINE SEWER						
1	SANITARY SEWER (C						
	8-inch	8-12 feet deep	80	lin. ft.	\$	96.00	\$ \$7,680
		12-16 feet deep	250	lin. ft.	\$	116.00	\$ \$29,000
2	SANITARY MANHOLE						
	48-inch	8-12 feet deep	1	each	\$	7,000.00	\$ \$7,000
		12-16 feet deep	0	each	\$	8,500.00	\$ \$0
3	CONNECTION TO EX	ISTING MANHOLE					
	8-inch		1	each	\$	6,800.00	\$ \$6,800
4	TRENCH BACKFILL						
	8-inch	8-12 feet deep	20	lin. ft.	\$	124.00	\$ \$2,480
		12-16 feet deep	40	lin. ft.	\$	150.00	\$ \$6,000
5	TREE TUNNELING		0	lin. ft.	\$	211.00	\$ \$0
6	SEWER TELEVISING	FOR FINAL INSPECTION	330	lin. ft.	\$	3.00	\$ \$990
7	SEWER TESTING FOR	R FINAL INSPECTION	330	lin. ft.	\$	3.00	\$ \$990
8	CULVERT/STORM RE	MOVAL AND REPLACEME	ENT				
	12-inch		60	lin. ft.	\$	89.00	\$ \$5,340
9	RESTORATION OF LA	WNS AND PARKWAYS					
	Topsoil and sod		890	sq.yd.	\$	15.00	\$ \$13,350
10	RESTORATION OF ST						
	Bit. Concrete Stree	et	0	sq.yd.	\$	70.00	\$ \$0
	PCC Sidewalk		0	sq. ft.	\$	14.00	\$ \$0
11	REMOVE AND REPLA	CE DRIVEWAYS					
	Bituminous		28	sq.yd.	\$	53.00	\$ \$1,508
	Aggregate		14	sq.yd.	\$	22.00	\$ \$313
12	TREE REMOVAL AND	TRIMMING:			Lu	mp Sum	\$ \$365
13	EROSION CONTROL:				Lu	mp Sum	\$ \$365

No.	Pay Item	Approx Qua		Unit Price		Amount
14	TRAFFIC CONTROL:			Lump Sum	\$	\$1,460
	SUBTOTAL				\$	\$83,640
SEF	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	39 159	lin. ft. lin. ft.	\$		\$2,145 \$8,745
2	BUILDING SERVICE BRANCH FITTING Near Side Far side	3 3 3	each each	\$ 608.0 \$ 749.0		\$1,824 \$2,247
3	BUILDING SERVICE PLUG:	6	each	\$ 228.0	0 \$	\$1,368
4	RESTORATION OF LAWNS AND PARK Topsoil and sod	KWAYS 143	sq.yd.	\$ 15.0	0 \$	\$2,150
5	RESTORATION OF STREETS: Bit. Concrete Street	48	sq.yd.	\$ 69.0	<u>0 \$ </u>	\$3,312
6	TRENCH BACKFILL 0-8 feet deep	72	lin. ft.	\$ 68.0	<u>0 \$ </u>	\$4,896
	SUBTOTAL				\$	\$26,687
	TOTAL ESTIMATE OF CONSTRUC	CTION COST			\$	\$110,300
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$22,100 \$22,100 \$9,300
	TOTAL OPINION OF PROBABLE (COST			\$	\$163,800
				Cost per l	ot	\$27,300

Table 4.5-17Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersLacey-Carol-NorthcottPreliminary Design Layout

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

No.	Pay Item		Approx Qua			Unit Price			Amount
MA	INLINE SEWER								
1	SANITARY SEWER (OF 8-inch	PEN CUT) 0-8 feet deep 8-12 feet deep	40 100	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	\$ \$	3,280 9,600
2	SANITARY MANHOLES 48-inch	0-8 feet deep	1	each	\$	3,500.00	\$	\$	3,500
3	CONNECTION TO EXIS 8-inch	STING MANHOLE	1	each	\$	6,800.00	\$	\$	6,800
4	TRENCH BACKFILL 8-inch	12-16 feet deep	15	lin. ft.	\$	150.00	\$	\$	2,250
5	TREE TUNNELING		0	lin. ft.	\$	211.00	\$	\$	
6	SEWER TELEVISING F	OR FINAL INSPECTION	140	lin. ft.	\$	3.00	\$	\$	420
7	SEWER TESTING FOR	FINAL INSPECTION	140	lin. ft.	\$	3.00	\$	\$	420
8	CULVERT REMOVAL A 12-inch	ND REPLACEMENT	0	lin. ft.	\$	89.00	\$	\$	
9	RESTORATION OF LAV Topsoil and sod	WNS AND PARKWAYS	194	sq.yd.	\$	15.00	\$	\$	2,917
10	RESTORATION OF STI Bit. Concrete Stree		20	sq.yd.	\$	70.00	\$	\$	1,369
11	REMOVE AND REPLAC Bituminous	CE DRIVEWAYS	14	sq.yd.	\$	53.00	\$	\$	754

No.	Pay Item	Approx Qua		Unit Price			Amount
				• • • • • • •	•	•	. –
12	REMOVE AND REPLACE AGGREGATE DITCH	78	sq.yd.	\$ 22.00	\$	\$	1,711
13	TREE REMOVAL AND TRIMMING:			Lump Sum	\$	\$	365
14	EROSION CONTROL			Lump Sum	\$	\$	365
15	TRAFFIC CONTROL			Lump Sum	\$	\$	1,460
	SUBTOTAL				\$	\$	35,210
SEI 1	RVICE LATERALS BUILDING SERVICE LINES						
	Near side Far side	0 1	lin. ft. lin. ft.	\$ <u>55.00</u> \$ <u>55.00</u>	<u>\$</u> \$	\$ \$	- 55
2	BUILDING SERVICE BRANCH FITTINGS	-		<u>+</u>	<u>+</u>	Ŧ	
2	Near Side	0	each	\$ 608.00	\$	\$	-
	Far side	1	each	\$ 749.00	\$	\$	749
3	BUILDING SERVICE PLUG:	1	each	\$ 69.00	\$	\$	69
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	73	sq.yd.	\$ 15.00	\$	\$	1,100
5	RESTORATION OF STREETS: Bit. Concrete Street	156	sq.yd.	\$ 69.00	\$	\$	10,764
6	TRENCH BACKFILL 0-8 feet deep	26	lin. ft.	\$ 68.00	\$	\$	1,768
	SUBTOTAL				\$	\$	14,505
	TOTAL ESTIMATE OF CONSTRUCTION CO	OST			\$	\$	49,700
	Eng	ngencies jineering / Admin	(20%) (20%) (6%)			\$ \$ \$	9,900 9,900 4,200
	TOTAL ESTIMATE OF COST				\$	\$	73,700
				Cost per lot		\$	73,700

Table 4.5-19Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersLacey and JanetPreliminary Design Layout

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

No.	Pay Item		Approx Quar			Unit Price		Amount
	INLINE SEWER		<u></u>					
1	SANITARY SEWER (O							
	8-inch	8-12 feet deep	40	lin. ft.	<u>\$</u>	96.00	<u>\$</u>	\$3,840
		12-16 feet deep	720	lin. ft.	\$	116.00	\$	\$83,520
		16-20 feet deep	40	lin. ft.	\$	139.00	\$	\$5,560
2	SANITARY MANHOLE	S						
	48-inch	8-12 feet deep	2	each	\$	7,000.00	\$	\$14,000
		12-16 feet deep	0	each	\$	8,500.00	\$	\$0
		16-20 feet deep	0	each	\$	11,300.00	\$	\$0
3	CONNECTION TO EXI	STING MANHOI F						
Ū	8-inch		1	each	\$	6,800.00	\$	\$6,800
4	TRENCH BACKFILL 8-inch	8-12 feet deep	0	lin. ft.	\$	124.00	\$	\$0
	0-IIICII	12-16 feet deep	128	lin. ft.	\$	150.00	\$	\$19,200
		16-20 feet deep	0	lin. ft.	\$	198.00	<u>ψ</u> \$	<u>\$19,200</u> \$0
5	TREE TUNNELING		22	lin. ft.	\$	211.00	\$	\$4,642
0	INEE TOIMEEING		22		Ψ	211.00	Ψ	ψ 1 ,0 1 2
6	SEWER TELEVISING	FOR FINAL INSPECTION	800	lin. ft.	\$	3.00	\$	\$2,400
7	SEWER TESTING FOR	R FINAL INSPECTION	800	lin. ft.	\$	3.00	\$	\$2,400
8	CULVERT REMOVAL							
0	12-inch		0	lin. ft.	\$	89.00	\$	\$0
9	RESTORATION OF LA	WNS AND PARKWAYS						
3	Topsoil and sod		107	sq.yd.	\$	15.00	\$	\$1,605
10	RESTORATION OF ST Bit. Concrete Stree		27	sq.yd.	¢	70.00	\$	\$1,890
			21	sq.yu.	Ψ	70.00	Ψ	ψ1,090
11	REMOVE AND REPLA	CE DRIVEWAYS						.
	Bituminous		98	sq.yd.	\$	53.00	\$	\$5,194
12	TREE REMOVAL AND	TRIMMING:			Lur	mp Sum	\$	\$1,095
						-		i

No.	Pay Item	Approx Quar		Unit Price		Amount
110.	r dy tom	Quui	inty			7 (mount
13	EROSION CONTROL:			Lump Sum	\$	\$730
14	TRAFFIC CONTROL:			Lump Sum	\$	\$5,110
	SUBTOTAL				\$	\$157,986
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES					
	Near side	105	lin. ft.	\$ 55.00	\$	\$5,775
	Far side	357	lin. ft.	\$ 55.00	\$	\$19,635
2	BUILDING SERVICE BRANCH FITTINGS					
	Near Side	7	each	\$ 608.00	\$	\$4,256
	Far side	7	each	\$ 749.00	\$	\$5,243
3	BUILDING SERVICE PLUG:	14	each	\$ 228.00	\$	\$3,192
4	RESTORATION OF LAWNS AND PARKW	AYS				
	Topsoil and sod	350	sq.yd.	\$ 15.00	\$	\$5,250
5	RESTORATION OF STREETS:					
	Bit. Concrete Street	103	sq.yd.	\$ 69.00	\$	\$7,107
6	TRENCH BACKFILL					
	8-12 feet deep	175	lin. ft.	\$ 91.00	\$	\$15,925
	SUBTOTAL				\$	\$66,383
	TOTAL ESTIMATE OF CONSTRUCTI	ON COST			\$	\$224,400
					<u> </u>	<i>Q</i> 22 1,100
		Contingencies	. ,			\$44,900
		Engineering				\$44,900
		Legal / Admin	(6%)			\$18,900
	TOTAL OPINION OF PROBABLE CO	ST			\$	\$333,100
				Cost per lot		\$23,790

Table 4.5-21Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersOgden-Lacey-Grant-Lee (South)Preliminary Design Layout

Preliminar	y Design Layout					Manhole
	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	<u>Depth</u>
Lacey Road	<u>t</u>					
(existing)	SA-N-1-135	728.0	713.37			14.6
Ogden Ave	nue					
				300	3.00%	
	UE-58	740.0	722.37	215	3.00%	17.6
	UE-59	740.0	719.82	210	0.0070	20.2
(existing)	SA-N-1-136	730.3	713.83			16.4
(e/eg)				180	0.40%	
	UE-61	730.0	714.55	250	0.50%	15.4
	UE-65	739.0	715.80			23.2
<u>Ogden Ave</u>	<u>nue Farms</u>					
				300	1.00%	
	UE-62	730.0	717.55	280	0.40%	12.4
	UE-63	729.0	718.67	350	2.50%	10.3
	UE-66	736.0	727.42			8.6
	UE-67	746.0	736.42	300	3.00%	9.6
	UE-68	731.0	720.27	400	0.40%	10.7
				120	0.40%	
	UE-69	729.0	720.75	260	3.00%	8.2
	UE-70	740.0	728.55	65	2.00%	11.4
	UE-71	742.0	729.85			12.2
	UE-72	749.0	739.85	400	2.50%	9.1
	UE-75	755.0	739.35	220	4.00%	15.7
Lee Avenue	9					
		720.0	740.00	600	0.50%	44.0
	UE-64	730.0	718.80			11.2

			Approx		Unit	
No.	Pay Item		Qua	ntity	Price	Amount
MA	INLINE SEWER					
1	SANITARY SEWER (OP	PEN CUT)				
	8-inch	0-8 feet deep	0	lin. ft.	\$ 82.00	\$ \$0
		8-12 feet deep	2,184	lin. ft.	\$ 96.00	\$ \$209,664
		12-16 feet deep	1,184	lin. ft.	\$ 116.00	\$ \$137,344
		16-20 feet deep	683	lin. ft.	\$ 139.00	\$ \$94,937
2	SANITARY MANHOLES					
	48-inch	0-8 feet deep	0	each	\$ 5,300.00	\$ \$0
		8-12 feet deep	8	each	\$ 7,000.00	\$ \$56,000
		12-16 feet deep	5	each	\$ 8,500.00	\$ \$42,500
		16-20 feet deep	2	each	\$ 11,300.00	\$ \$22,600
3	CONNECTION TO EXIS	TING MANHOLE				
	8-inch		3	each	\$ 6,800.00	\$ \$20,400
4	TRENCH BACKFILL					
	8-inch	0-8 feet deep	0	lin. ft.	\$ 102.00	\$ \$0
		8-12 feet deep	2,184	lin. ft.	\$ 124.00	\$ \$270,816
		12-16 feet deep	1,184	lin. ft.	\$ 150.00	\$ \$177,600
		16-20 feet deep	683	lin. ft.	\$ 198.00	\$ \$135,234
5	TREE TUNNELING		310	lin. ft.	\$ 211.00	\$ \$65,410
6	SEWER TELEVISING F	OR FINAL INSPECTION	4,051	lin. ft.	\$ 3.00	\$ \$12,153
7	SEWER TESTING FOR	FINAL INSPECTION	4,051	lin. ft.	\$ 3.00	\$ \$12,153
8	CULVERT REMOVAL A	ND REPLACEMENT				
	12-inch		105	lin. ft.	\$ 89.00	\$ \$9,345
9	RESTORATION OF LAV	VNS AND PARKWAYS				
	Topsoil and sod		8,859	sq.yd.	\$ 15.00	\$ \$132,885
10		TLANDS AND BUFFERS				
	Wetland		708	sq.yd.	\$ 30.00	\$ 21,240
	Wetland Buffer		4,667	sq.yd.	\$ 15.00	\$ 70,005
11	RESTORATION OF STR	REETS				
	Bit. Concrete Street		787	sq.yd.	\$ 70.00	\$ \$55,090
	PCC Sidewalk		1,500	sq. ft.	\$ 14.00	\$ \$21,000
12	REMOVE AND REPLAC	E DRIVEWAYS				
	Bituminous		338	sq.yd.	\$ 53.00	\$ \$17,914
	Concrete		100	sq.yd.	\$ 89.00	\$ \$8,900
13	TREE REMOVAL AND T	RIMMING:	120		Lump Sum	\$ \$21,170

No.	Pay Item	Approx Qua			Unit Price	Amount
14	EROSION CONTROL:			Lum	p Sum	\$ \$17,520
15	TRAFFIC CONTROL:			Lum	p Sum	\$ \$20,440
	SUBTOTAL					\$ \$1,652,320
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES					
	Near side	180	lin. ft.	\$	55.00	\$ \$9,900
	Far side	306	lin. ft.	\$	55.00	\$ \$16,830
2	BUILDING SERVICE BRANCH FITTINGS					
	Near Side	12	each	<u>\$</u>	608.00	\$ \$7,296
	Far side	6	each	\$	749.00	\$ \$4,494
3	BUILDING SERVICE PLUG:	18	each	\$	228.00	\$ \$4,104
4	RESTORATION OF LAWNS AND PARK	WAYS				
•	Topsoil and sod	400	sq.yd.	\$	15.00	\$ \$6,000
5	RESTORATION OF STREETS:					
Ū	Bit. Concrete Street	128	sq.yd.	\$	69.00	\$ \$8,832
6	TRENCH BACKFILL					
-	8-12 feet deep	168	lin. ft.	\$	91.00	\$ \$15,288
7	REMOVE AND REPLACE DRIVEWAYS					
	Bituminous	0	sq. yd.	\$	52.00	\$ \$0
	SUBTOTAL					\$ \$72,744
	TOTAL ESTIMATE OF CONSTRUCT	FION COST				\$ \$1,725,100
		Contingencies	(20%)			\$345,000
		Engineering	(20%)			\$345,000
		Legal / Admin	(6%)			\$144,900
		Easement Acqu	uisition			\$133,600
	TOTAL OPINION OF PROBABLE CO	DST				\$ \$2,693,600

Table 4.5-23Downers Grove Sanitary DistrictProposed Special AssessmentsBurlington Highlands Sub-AreaCost Summary

Sub-Basin:	Near Services	Far Services	Cost	Cost per lot
Morton and Downers	20	19	\$ 1,506,700	\$ 38,630
40th and Seely (North)	9	12	\$ 658,900	\$ 31,380
40th and Northcott	5	9	\$ 461,400	\$ 32,960
Virginia-Seely-Janet-Downers	25	18	\$ 1,245,900	\$ 28,970
Belle Aire and Venard	15	6	\$ 1,006,200	\$ 47,910
Vernard Road (North)	4	6	\$ 404,400	\$ 40,440
Vernard Road (South) (completed)	0	0	\$ -	\$ -
Virginia Avenue (West)	3	3	\$ 163,800	\$ 27,300
Lacey-Carol-Northcott	0	1	\$ 73,700	\$ 73,700
Lacey and Janet	7	7	\$ 333,100	\$ 23,790
Ogden-Lacey-Grant-Lee (South)	12	6	\$ 2,693,600	\$ 149,640
TOTALS	100 1 8	87 8 7	\$ 8,547,700	\$ 45,710

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
Drendel and Ogden	(completed)	Table 4.6-1	<i>Table 4.6-2</i>
Cross and Ogden (South)	(completed)	<i>Table 4.6-3</i>	<i>Table</i> 4.6-4
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 \$415,000, 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 \$910,600, 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 \$223,900, 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 \$695,800, including contingency, engineering, easements, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.6

GOLF ADDITION

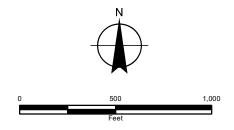
POSSIBLE SEWER ALIGNMENT

APRIL 2022

LEGEND

•	PROPOSED MANHOLES
	PROPOSED SEWERS
\bigcirc	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





I:\Crystal Lake\DGSD1\180305-2018 UAP\20-GIS\MapDocuments\ 4-6 Golf Addition.mxd 563dks - 3/24/2020 Copyright 2019, By Baxter & Woodman, Inc. State of Illinois - Professional Design Firm License No. - 184-001121 - Expires 4-30-20

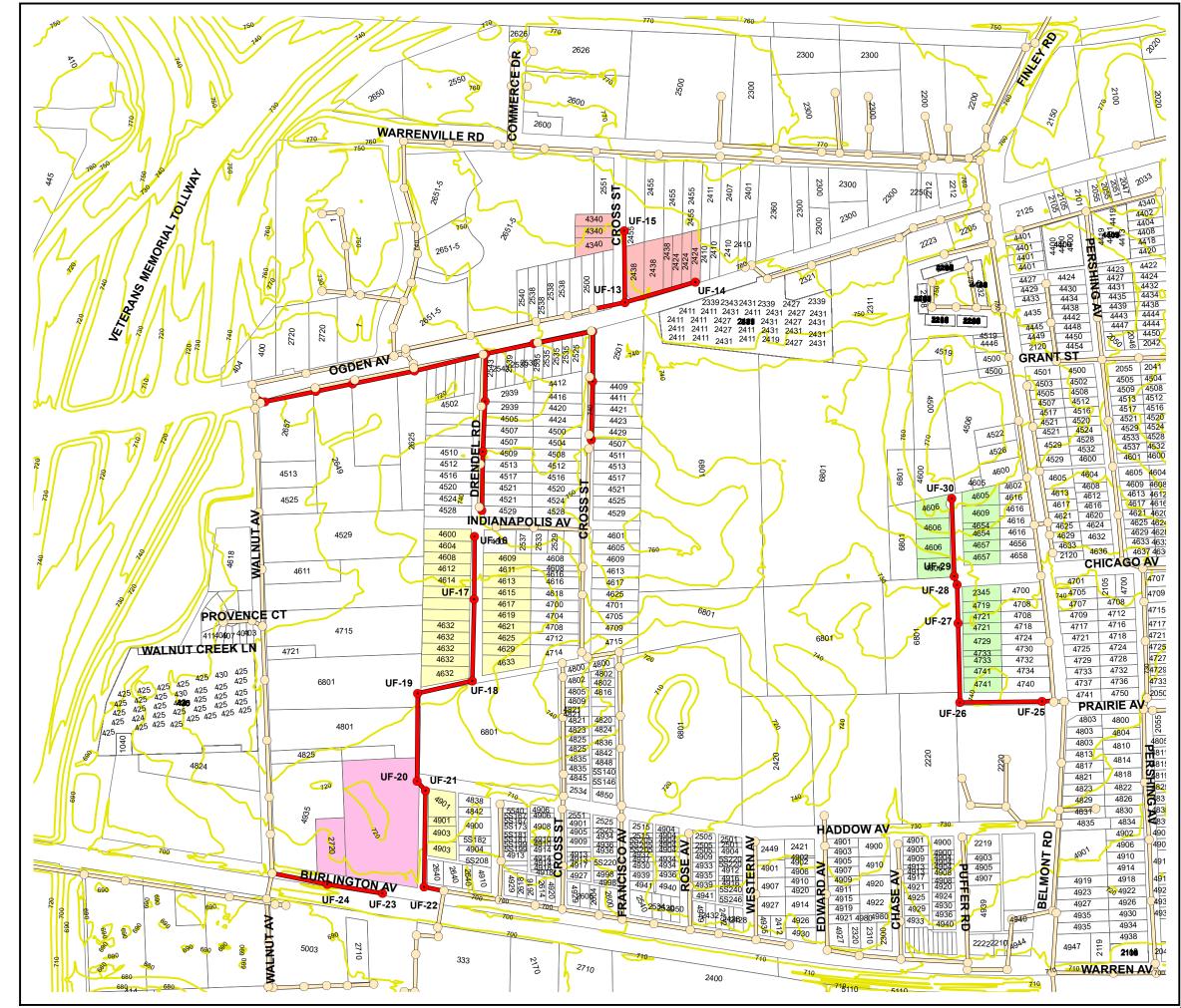


Table 4.6-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersDrendel and OgdenPreliminary Design Layout

Manhole Number

<u>Rim</u>

Length (ft)

<u>Slope</u>

Manhole Depth

(Sanitary sewers are available as of March 2010.)

Invert

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

April 2022

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

April 2022

Table 4.6-3Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersCross and Ogden (South)Preliminary Design Layout

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

(Sanitary sewers are available as of March 2010.)

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

April 2022

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

April 2022

Table 4.6-5Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersCross and Ogden (North)Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Ogden Ave	enue					
	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	370	3.00%	11.7
Cross Stre	et					
	UF-15	751.0	742.45	370	2.50%	8.5

MAINLINE SEWER1SANITARY SEWER (OPEN CUT) 8-inch8-12 feet deep 12-16 feet deep240lin. ft. $\frac{$}{$}$ $\frac{96.00}{$}$ $\frac{$}{$}$ 2SANITARY MANHOLES 48-inch8-12 feet deep 12-16 feet deep2each $\frac{$}{$}$ $7,000.00$ $\frac{$}{$}$ 3CONNECTION TO EXISTING MANHOLE 8-inch1each $\frac{$}{$}$ $6,800.00$ $\frac{$}{$}$ 4TRENCH BACKFILL 8-inch1each $\frac{$}{$}$ $6,800.00$ $\frac{$}{$}$ 5TREE TUNNELING0lin. ft. $\frac{$}{$}$ 124.00 $\frac{$}{$}$ 6SEWER TELEVISING FOR FINAL INSPECTION 945945lin. ft. $\frac{$}{$}$ 3.00 $\frac{$}{$}$ 7SEWER TESTING FOR FINAL INSPECTION 945945lin. ft. $\frac{$}{$}$ 3.00 $\frac{$}{$}$ 8CULVERT REMOVAL AND REPLACEMENT 12-inch0lin. ft. $\frac{$}{$}$ 89.00 $\frac{$}{$}$ 9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd. $\frac{$}{$}$ 15.00 $\frac{$}{$}$ 10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd. $\frac{$}{$}$ 70.00 $\frac{$}{$}$ 11REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd. $\frac{$}{$}$ 53.00 $\frac{$}{$}$	No.	Pay Item		Approxima			Unit Price		Amount
1 SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep 12-16 feet deep 240 lin. ft. \$ 96.00 \$ 2 SANITARY MANHOLES 48-inch 8-12 feet deep 2 each \$ 7,00.00 \$ 3 CONNECTION TO EXISTING MANHOLE 8-inch 12-16 feet deep 1 each \$ 6,800.00 \$ 4 TRENCH BACKFILL 8-inch 8-12 feet deep 240 lin. ft. \$ 124.00 \$ 5 TRENCH BACKFILL 8-inch 8-12 feet deep 240 lin. ft. \$ 124.00 \$ 6 SEWER TELEVISING FOR FINAL INSPECTION 945 0 lin. ft. \$ 211.00 \$ 7 SEWER TELEVISING FOR FINAL INSPECTION 945 0 lin. ft. \$ 3.00 \$ 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 89.00 \$ 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod 1.342 sq.yd. \$ 15.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 810 With RepLACE DRIVEWAYS Bituminous 67 sq.yd. \$ 53.00 \$	INO.	Pay item		Quantity			Price		Amount
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3CONNECTION TO EXISTING MANHOLE 8-inch1each\$6,800.00\$4TRENCH BACKFILL 8-inch8-12 feet deep 12-16 feet deep240lin. ft.\$124.00 \$\$5TREE TUNNELING0lin. ft.\$121.00\$6SEWER TELEVISING FOR FINAL INSPECTION 945945lin. ft.\$3.00\$7SEWER TESTING FOR FINAL INSPECTION 945945lin. ft.\$3.00\$8CULVERT REMOVAL AND REPLACEMENT 12-inch0lin. ft.\$89.00\$9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00 \$\$11REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd.\$53.00\$		48-inch	8-12 feet deep	2	each	\$	7,000.00	\$	14,000
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6 SEWER TELEVISING FOR FINAL INSPECTION 945 945 lin. ft. \$ 3.00 \$ 7 SEWER TESTING FOR FINAL INSPECTION 945 945 lin. ft. \$ 3.00 \$ 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 89.00 \$ 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod 0 lin. ft. \$ 89.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 9 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. \$ 53.00 \$			12-16 feet deep	200	lin. ft.	\$	150.00	\$	30,000
945lin. ft.\$3.00\$7SEWER TESTING FOR FINAL INSPECTION 945945lin. ft.\$3.00\$8CULVERT REMOVAL AND REPLACEMENT 12-inch0lin. ft.\$89.00\$9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$9RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$11REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd.\$53.00\$	5	TREE TUNNELI	NG	0	lin. ft.	\$	211.00	\$	0
7 SEWER TESTING FOR FINAL INSPECTION 945 lin. ft. \$ 3.00 \$ 8 CULVERT REMOVAL AND REPLACEMENT 0 lin. ft. \$ 89.00 \$ 9 RESTORATION OF LAWNS 0 lin. ft. \$ 89.00 \$ 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod 1,342 sq.yd. \$ 15.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. \$ 53.00 \$	6	SEWER TELEVI	SING FOR FINAL INS	PECTION					
945lin. ft.\$3.00\$8CULVERT REMOVAL AND REPLACEMENT 12-inch0lin. ft.\$89.00\$9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00 \$\$10RESTORATION OF STREETS: Dec Sidewalk50sq.yd.\$70.00 				945	lin. ft.	\$	3.00	\$	2,835
945lin. ft.\$3.00\$8CULVERT REMOVAL AND REPLACEMENT 12-inch0lin. ft.\$89.00\$9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00 \$\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00 \$\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00 \$\$11REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd.\$53.00\$	7	SEWER TESTIN	IG FOR FINAL INSPEC	CTION					
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12-inch0lin. ft.\$89.00\$9RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod1,342sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$\$511REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd.\$\$\$	8	CULVERT REM	OVAL AND REPLACE	MENT					
AND PARKWAYS: Topsoil and Sod1,342 sq.yd.\$15.00\$10RESTORATION OF STREETS: Bit. Concrete Street50 sq.yd. 40 lin. ft.\$70.00 \$\$200sq. ft.\$14.00\$11REMOVE AND REPLACE DRIVEWAYS Bituminous67 sq.yd. \$ sq.yd.\$53.00 \$					lin. ft.	\$	89.00	\$	0
Topsoil and Sod 1,342 sq.yd. \$ 15.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 10 RESTORATION OF STREETS: Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. \$ 53.00 \$	9	RESTORATION	OF LAWNS						
10RESTORATION OF STREETS: Bit. Concrete Street50sq.yd.\$70.00\$Curb & Gutter40lin. ft.\$45.00\$PCC Sidewalk200sq. ft.\$14.00\$11REMOVE AND REPLACE DRIVEWAYS Bituminous67sq.yd.\$53.00\$									
Bit. Concrete Street 50 sq.yd. \$ 70.00 \$ Curb & Gutter 40 lin. ft. \$ 45.00 \$ PCC Sidewalk 200 sq. ft. \$ 14.00 \$ 11 REMOVE AND REPLACE DRIVEWAYS 67 sq.yd. \$ 53.00 \$		Topsoil and	d Sod	1,342	sq.yd.	\$	15.00	\$	20,130
Curb & Gutter 40 lin. ft. \$ 45.00 \$ PCC Sidewalk 200 sq. ft. \$ 14.00 \$ 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. \$ 53.00 \$	10								
11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. <u>\$ 53.00</u> <u>\$</u>						\$		\$	3,500
11 REMOVE AND REPLACE DRIVEWAYS Bituminous 67 sq.yd. <u>\$ 53.00</u> <u>\$</u>						<u>\$</u> \$		<u>\$</u> \$	1,800 2,800
Bituminous 67 sq.yd. <u>\$ 53.00</u> <u>\$</u>					<i>о</i> ч. п.	Ψ	17.00	Ψ	2,000
	11		REPLACE DRIVEWAY		ed vd	¢	E3 00	¢	2 551
12 TREE REMOVAL AND TRIMMING: Lump Sum \$		Bituminous		07	sy.yu.	φ	55.00	φ	3,551
· · · · · · · · · · · · · · · · · · ·	12	TREE REMOVA	L AND TRIMMING:			Lum	ıp Sum	\$	0

144

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 0
14	TRAFFIC CONTROL:		Lump Sum	\$ 21,900
	SUBTOTAL		·	\$ 249,931
	CE LATERALS			
SERVI	GE LATENALS			
1	BUILDING SERVICE LINES Near side Far side	10 lin. ft. 48 lin. ft.	\$55.00 \$55.00	\$550 \$2,640
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	1 each 1 each	\$ <u>608.00</u> \$749.00	<u>\$608</u> \$749
3		2 each	\$ 228.00	\$ 456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	28 sq.yd.	<u>\$ 15.00</u>	<u>\$</u> 420
5	RESTORATION OF STREETS: Bit. Concrete Street	21 sq.yd.	\$ 69.00	\$ 1,449
6	TRENCH BACKFILL 0-8 feet deep	35 lin. ft.	\$ 68.00	\$ 2,380
	SUBTOTAL			<u>\$ </u>
	TOTAL ESTIMATE OF CONS	STRUCTION COST		\$ 259,200
		Contingencies (20%) Engineering (20%) Legal / Admin (6%) Easement Acquisition		51,800 51,800 21,800 30,400
	TOTAL OPINION OF PROBA	ABLE COST		\$ 415,000
			Cost per Lot	\$207,500

Table 4.6-7Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersDrendel and Granville (South)Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
Burlington	Avenue					
	3-B-3 (existing)	702.3	687.50	110	0.000/	14.8
	UF-22	703.0	689.70	110	2.00%	13.3
<u>Granville A</u>	venue					
	UF-21	714.0	701.70	480	2.50%	12.3
	UF-20	715.0	703.10	70	2.00%	11.9
Park Distric	ct Easement					
	UF-19	722.0	711.20	450	1.80%	10.8
Drendel Ro	bad					
	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

MAINLINE SE 1 SANIT 2 SANIT 4 3 CONM	Pay Item WER TARY SEWER (OPEN CUT) -inch 0-8 feet deep 12-16 feet deep 12-16 feet deep 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	Quantity 60 1,850 240 1 4 2 HOLE	lin. ft. lin. ft. lin. ft. each each each	\$ \$ \$ \$ \$ \$ \$ \$	Price 82.00 96.00 116.00 5,300.00 7,000.00 8,500.00	\$ \$ \$	Amount \$4,920 \$177,600 \$27,840 \$5,300
1 SANIT 8 2 SANIT 4 3 CONN	TARY SEWER (OPEN CUT) -inch 0-8 feet deep 8-12 feet deep 12-16 feet deep TARY MANHOLES 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	1,850 240 1 4 2	lin. ft. lin. ft. each each	\$ \$	96.00 116.00 5,300.00 7,000.00	\$ \$	\$177,600 \$27,840 \$5,300
8 2 SANI 4 3 CONN	-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep 7ARY MANHOLES 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	1,850 240 1 4 2	lin. ft. lin. ft. each each	\$ \$	96.00 116.00 5,300.00 7,000.00	\$ \$	\$177,600 \$27,840 \$5,300
2 SANIT 4 3 CONN	8-12 feet deep 12-16 feet deep FARY MANHOLES 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	1,850 240 1 4 2	lin. ft. lin. ft. each each	\$ \$	96.00 116.00 5,300.00 7,000.00	\$ \$	\$177,600 \$27,840 \$5,300
4 3 CONN	12-16 feet deep TARY MANHOLES 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	240 1 4 2	lin. ft. each each	\$ \$	116.00 5,300.00 7,000.00	\$ \$	\$27,840 \$5,300
4 3 CONN	FARY MANHOLES 8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	1 4 2	each each	\$ \$	5,300.00 7,000.00	\$ \$	\$5,300
4 3 CONN	8-inch 0-8 feet deep 8-12 feet deep 12-16 feet deep	4	each	\$	7,000.00	\$ \$	
3 CONN	8-12 feet deep 12-16 feet deep IECTION TO EXISTING MANI	4	each	\$	7,000.00	\$ \$	
	12-16 feet deep	2		\$		\$	
	· IECTION TO EXISTING MAN		each	\$	8 500 00		\$28,000
		HOLE			0,000.00	\$	\$17,000
8	-inch						
		1	each	\$	6,800.00	\$	\$3,500
4 TREN	CH BACKFILL						
8	-inch 0-8 feet deep	230	lin. ft.	\$	102.00	\$	\$23,460
	8-12 feet deep	185	lin. ft.	\$ \$ \$	124.00	\$ \$ \$	\$22,940
	12-16 feet deep	69	lin. ft.	\$	150.00	\$	\$10,350
5 TREE	TUNNELING	345	lin. ft.	\$	211.00	\$	\$72,795
6 SEWE	R TELEVISING FOR FINAL I	NSPECTION					
		2,150	lin. ft.	\$	3.00	\$	\$6,450
7 SEWE	ER TESTING FOR FINAL INSP	PECTION					
		2,150	lin. ft.	\$	3.00	\$	\$6,450
8 CULV	ERT REMOVAL AND REPLAC	CEMENT					
1	2-inch	115	lin. ft.	\$	89.00	\$	\$10,235
9 REST	ORATION OF LAWNS						
AND I	PARKWAYS:						
	Topsoil and Sod	3,158	sq.yd.	\$	15.00	\$	\$47,370
10 REST	ORATION OF STREETS:						
В	it. Concrete Street	13	sq.yd.	\$	70.00	\$	\$910
11 REMO	OVE AND REPLACE DRIVEW	AYS					
В	ituminous	231	sq.yd.	\$	53.00	\$	\$12,243
12 TREE	REMOVAL AND TRIMMING:			Lum	p Sum	\$	\$9,855

No.	Pay Item	Approximate Quantity	Unit Price	Amount	
13	EROSION CONTROL		Lump Sum	\$	\$2,555
			·		
14	TRAFFIC CONTROL:		Lump Sum	\$	\$4,380
	SUBTOTAL			\$	\$494,153
SERVI	CE LATERALS				
1	BUILDING SERVICE LINES				
	Near side	124 lin. ft.	\$ 55.00 \$ 55.00	<u>\$</u> \$	\$6,820
	Far side	600 lin. ft.	\$ 55.00	\$	\$33,000
2	BUILDING SERVICE				
	BRANCH FITTINGS Near Side	10	¢ 608.00	¢	¢40.044
	Far side	18 each 10 each	\$ 608.00 \$ 749.00	\$ \$	\$10,944 \$7,490
				<u> </u>	<i>ψ</i> , του
3	BUILDING SERVICE PLUG:	28 each	\$ 228.00	\$	\$6,384
4	RESTORATION OF LAWNS				
	AND PARKWAYS:				
	Topsoil and Sod	367 sq.yd.	\$ 15.00	\$	\$5,505
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	189 sq.yd.	\$ 69.00	\$	\$13,041
6	TRENCH BACKFILL				
	0-8 feet deep	350 lin. ft.	\$ 68.00	\$	\$23,800
	SUBTOTAL			\$	\$106,984
	TOTAL ESTIMATE OF CONS	STRUCTION COST		\$	\$601,100
		Contingencies (20%)			\$120,200
		Engineering (20%)			\$120,200
		Legal / Admin (6%)			\$50,500
		Easement Acquisition			\$18,600
	TOTAL OPINION OF PROBA	BLE COST		\$	\$910,600
			Cost per lo	ot	\$32,520

Table 4.6-9Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersBurlington and Walnut (South)Preliminary Design Layout

Ma	anhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Burlington Ave	nue					
3-	A-34 (existing)	700.0	683.01	200	2.00%	17.0
	UF-24	704.0	692.01	300	3.00%	12.0
	UF-23	708.0	700.05	300	2.68%	8.0

No.				ite		Unit Price		Amount
NU.	Fayitein		Quantity			FILE		Amount
MAINL	INE SEWER							
1	SANITARY SEW	/ER (OPEN CUT)						
	8-inch	0-8 feet deep	60	lin. ft.	\$	82.00	\$	4,920
		8-12 feet deep	500	lin. ft.	\$ \$ \$	96.00	\$ \$	48,000
		12-16 feet deep	40	lin. ft.	\$	116.00	\$	4,640
2	SANITARY MAN	IHOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	5,30
		8-12 feet deep	1	each	\$	7,000.00	\$ \$	7,00
3	CONNECTION 1	O EXISTING MANHO	LE					
	8-inch		1	each	\$	6,800.00	\$	3,500
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	60	lin. ft.	\$	102.00	\$	6,12
		8-12 feet deep	120	lin. ft.	\$ \$	124.00	\$ \$	14,88
5	TREE TUNNELI	NG	50	lin. ft.	\$	211.00	\$	10,55
6	SEWER TELEV	SING FOR FINAL INSP	PECTION					
			600	lin. ft.	\$	3.00	\$	1,80
7	SEWER TESTIN	IG FOR FINAL INSPEC	CTION					
			600	lin. ft.	\$	3.00	\$	1,800
8		OVAL AND REPLACE						
	12-inch		10	lin. ft.	\$	89.00	\$	890
9								
	AND PARKWAY Topsoil an		833	sq.yd.	\$	15.00	\$	12,49
	ropson an	0.000	000	sq.yu.	Ψ	13.00	Ψ	12,43
10	RESTORATION Bit. Concret		00	og vd	¢	70.00	¢	6 0 2
				sq.yd.	\$	70.00	\$	6,23
11		REPLACE DRIVEWAYS		ed vd	¢	53.00	¢	
	Bituminous		0	sq.yd.	\$	53.00	\$	
12	TREE REMOVA	L AND TRIMMING:			Lum	p Sum	\$	2,19

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	EROSION CONTROL		Lump Sum	\$ 730
14	TRAFFIC CONTROL:		Lump Sum	\$ 2,920
	SUBTOTAL			\$ 133,965
SERVI	CE LATERALS			
1	BUILDING SERVICE LINES Near side Far side	0 lin. 120 lin.		\$0 \$6,600
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	0 ead 2 ead	ch \$ 749.00	\$0 \$1,498
3	BUILDING SERVICE PLUG:	2 ead	ch <u>\$ 228.00</u>	\$ 456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	93 sq.y	rd. <u>\$ 15.00</u>	<u>\$ 1,395</u>
5	RESTORATION OF STREETS: Bit. Concrete Street	37 sq.y	rd. <u>\$ 69.00</u>	\$ 2,553
6	TRENCH BACKFILL 0-8 feet deep	64 lin.	ft. <u>\$ 68.00</u>	\$ 4,352
	SUBTOTAL			\$ 16,854
	TOTAL ESTIMATE OF CON	STRUCTION COST		\$ 150,800
		Contingencies (20% Engineering (20% Legal / Admin (6%	%)	30,200 30,200 12,700
	TOTAL OPINION OF PROBA	ABLE COST		\$ 223,900
			Cost per Lot	\$111,950

Table 4.6-11Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersPuffer North of PrairiePreliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Prairie Ave	enue					
	3-A-12 (existing) ¹	735.2	724.00	60	0.40%	11.2
	UF-25	734.0	724.24			9.8
	UF-26	736.0	725.92	420	0.40%	10.1
<u>Puffer Roa</u>	<u>d</u>					
	UF-27	735.0	727.52	400	0.40%	7.5
				220	1.00%	
	UF-28	738.0	729.72	30	0.40%	8.3
	UF-29	738.0	729.84	44.0	C 000/	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

No.	Pay Item	Approxima Quantity			Unit Price	Amount		
NO.	Fayitem	Quantity			FILLE		Amount	
MAINL	INE SEWER							
1	SANITARY SEV	VER (OPEN CUT)						
	8-inch	0-8 feet deep	200	lin. ft.	\$	82.00	\$	\$16,40
		8-12 feet deep	1,280	lin. ft.	\$ \$ \$	96.00	\$ \$ \$	\$122,88
		12-16 feet deep	60	lin. ft.	\$	116.00	\$	\$6,96
2	SANITARY MAN	NHOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	\$5,30
		8-12 feet deep	5	each	\$	7,000.00	\$ \$	\$35,00
3	CONNECTION -	TO EXISTING MANHO	DLE					
	8-inch		1	each	\$	6,800.00	\$	\$3,500
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	200	lin. ft.	\$	102.00	\$	\$20,40
		8-12 feet deep	410	lin. ft.	\$ \$ \$	124.00	\$ \$ \$	\$50,84
		12-16 feet deep	30	lin. ft.	\$	150.00	\$	\$4,50
5	TREE TUNNELI	NG	165	lin. ft.	\$	211.00	\$	\$34,81
6	SEWER TELEV	ISING FOR FINAL INS	SPECTION					
			1,540	lin. ft.	\$	3.00	\$	\$4,62
7	SEWER TESTIN	IG FOR FINAL INSPE	CTION					
			1,540	lin. ft.	\$	3.00	\$	\$4,620
8		OVAL AND REPLACE						
	12-inch		50	lin. ft.	\$	89.00	\$	\$4,45
9	RESTORATION							
	AND PARKWAY Topsoil an		1 533	sq.yd.	\$	15.00	\$	\$22,99
			1,000	oq.yu.	Ψ	10.00	Ψ	<i>\\</i>
10	RESTORATION Bit. Concret		333	sq.yd.	\$	70.00	\$	\$23,31
	Curb & Gut		0		\$	45.00	\$	<u> </u>
	PCC Sidew			sq. ft.	\$ \$ \$	14.00	\$ \$ \$	\$70
11	REMOVE AND I	REPLACE DRIVEWA	/S					
	Bituminous			sq.yd.	\$	53.00	\$	\$1,16

No.	Pay Item	Approxima			Unit Price		Amount
INO.	Pay Item	Quantity			Price		Amount
12	TREE REMOVAL AND TRIMMING	:		Lump	Sum	\$	\$2,920
13	EROSION CONTROL			Lump	Sum	\$	\$730
14	TRAFFIC CONTROL:			Lump	Sum	\$	\$2,920
	SUBTOTAL					\$	\$369,026
SERVI	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	10	lin. ft.	\$	55.00	\$	\$550
	Far side	750	lin. ft.	\$ \$	55.00	\$ \$	\$41,250
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	1	each	\$	608.00	\$	\$608
	Far side	15	each	\$	749.00	\$	\$11,235
3	BUILDING SERVICE PLUG:	16	each	\$	228.00	\$	\$3,648
4	RESTORATION OF LAWNS						
	AND PARKWAYS:			^	4 = 0.0	•	* = (*
	Topsoil and Sod	344	sq.yd.	\$	15.00	\$	\$5,160
5	RESTORATION OF STREETS:						
	Bit. Concrete Street	158	sq.yd.	\$	69.00	\$	\$10,902
6	TRENCH BACKFILL	005		•		^	\$ 40,000
	0-8 feet deep	285	lin. ft.	\$	68.00	\$	\$19,380
	SUBTOTAL					\$	\$92,733
	TOTAL ESTIMATE OF CONS	TRUCTION COS	т			\$	\$461,800
		Contingencies	(20%)				\$92,400
		Engineering	(20%)				\$92,400
		Legal / Admin Easement Acqu	(6%) visition				\$38,800 \$10,400
		Lasement ACqt	ມອາເບບາ				
	TOTAL OPINION OF PROBAE	BLE COST				\$	\$695,800
					Cost per lo	ot	\$43,490

Table 4.6-13Downers Grove Sanitary DistrictPossible Special Assessments for Sanitary SewerGolf Addition Sub-AreaCost Summary

Sub-Basin:	Near Far		Cost	С	Cost per lot	
Drendel and Ogden (completed)	0	0	\$	-	\$	-
Cross and Ogden (South) (completed)	0	0	\$	-	\$	-
Cross and Ogden (North)	1	1	\$	415,000		N/A
Drendel and Granville (South)	18	10	\$	910,600	\$	32,520
Burlington and Walnut (South)	0	2	\$	223,900		N/A
Puffer North of Prairie	1	15	\$	695,800	\$	43,490
TOTALS	20	28	\$	2,245,300	\$	36,510
	4	-8				

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 \$267,800, including contingency, engineering, and legal/ administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.7

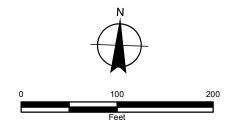
FLORENCE AVENUE

POSSIBLE SEWER ALIGNMENT

APRIL 2022

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>	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Florence Avenue					
1-J-136 (existing)	756.0	748.54			7.5
UG-1	757.5	749.10	140	0.40%	8.4
	101.0	1 10:110	400	0.50%	0.1
UG-2	761.0	751.10			9.9

No.	App Pay Item Qi			е		Unit Price		
	•		j					Amount
MAINLIN	E SEWER							
1	SANITARY SEWE							
	8-inch	0-8 feet deep	40	lin. ft.	\$	82.00	<u>\$</u> \$	\$3,280
		8-12 feet deep	500	lin. ft.	\$	96.00	\$	\$48,000
2	2 SANITARY MANHOLES							
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	\$0
		8-12 feet deep	2	each	\$ \$	7,000.00	\$ \$	\$14,000
3	3 CONNECTION TO EXISTING MANHOLE							
-	8-inch		1	each	\$	6,800.00	\$	\$6,80
4	TRENCH BACKF	11 1						
·	8-inch	0-8 feet deep	19	lin. ft.	\$	102.00	\$	\$1,93
		8-12 feet deep	177	lin. ft.	\$ \$	124.00	\$	\$21,948
5	TREE TUNNELING		30	lin. ft.	\$	211.00	\$	\$6,330
6	SEWER TELEVIS	SING FOR FINAL INSPECTIO	N					
-			540	lin. ft.	\$	2.50	\$	\$1,350
7	SEWER TESTING	G FOR FINAL INSPECTION						
			540	lin. ft.	\$	2.50	\$	\$1,350
8	CULVERT REMO	VAL AND REPLACEMENT						
	12-inch		20	lin. ft.	\$	89.00	\$	\$1,780
9	RESTORATION (OF LAWNS						
	AND PARKWAYS							
	Topsoil and	sod	575	sq.yd.	\$	15.00	\$	\$8,62
10	RESTORATION (OF STREETS:						
	Bit. Concrete	Street	89	sq.yd.	\$	70.00	\$	\$6,23
11		EPLACE DRIVEWAYS						
	Concrete			sq.yd.	\$	89.00	\$	\$1,15
	Bituminous			sq.yd.	\$ \$ \$	53.00	\$ \$ \$	\$3,44
	Aggregate		13	sq.yd.	\$	22.00	\$	\$286

No.	Pay Item	Approximate Quantity	9		Unit Price		Amount
	i dy tom	Quantity			11100		7 inount
12	TREE REMOVAL AND TRIMMING	B:		Lump	Sum	\$	\$730
13	EROSION CONTROL			Lump	Sum	\$	\$730
14	TRAFFIC CONTROL:			Lump	Sum	\$	\$5,840
	SUBTOTAL					\$	\$133,819
SERVICE	LATERALS						
1	BUILDING SERVICE LINES						
	Near side	90	lin. ft.	\$	55.00	\$	\$4,950
	Far side	255	lin. ft.	\$ \$	55.00	\$	\$14,025
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	6	each	\$	608.00	\$ \$	\$3,648
	Far side	5	each	\$	749.00	\$	\$3,745
3	BUILDING SERVICE PLUG:	11	each	\$	228.00	\$	\$2,508
4	RESTORATION OF LAWNS						
	AND PARKWAYS:						
	Topsoil and sod	158	sq.yd.	\$	15.00	\$	\$2,370
5	RESTORATION OF STREETS:						
	Bit. Concrete Street	80	sq.yd.	\$	69.00	\$	\$5,520
6	TRENCH BACKFILL						
	0-8 feet deep	145	lin. ft.	\$	68.00	\$	\$9,860
	SUBTOTAL					\$	\$46,626
	TOTAL ESTIMATE OF CONS	STRUCTION COST				\$	\$180,400
		Contingencies	(20%)				\$36,100
		Engineering	(20%)				\$36,100
		Legal / Admin	(20%)				\$15,200
	TOTAL OPINION OF PROBA	BLE COST				\$	\$267,800
					Contract		¢04.050
					Cost per lo	סנ	\$24,350

4.8 Meyers and 31st

Meyers and 31st 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 35th 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 31st 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 31st 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 35th 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^{st} 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	Property	Cost Estimate
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.

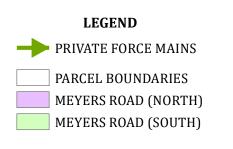
DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.8

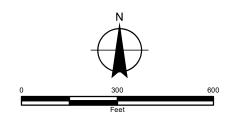
MEYERS ROAD AND 31ST STREET

POSSIBLE FORCE MAIN ALIGNMENT

APRIL 2022



PROPOSED EASEMENT





No.	Pay Item	Approxima Quantity		Unit Price	Amoun	ıt
SERVIO	CE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	<u>\$ 12</u>	2,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	65	lin. ft.	\$ 47.00	\$	3,055
	1-1/4" HDPE (DRILL)	472	lin. ft.	\$ 61.00	\$ 28	8,792
3	CONNECTION TO EXISTING MAN	NHOLE: 1	each	\$ 6,800.00	\$ 6	6,800
4	CLEAN-OUTS:	2	each	\$ 3,000.00	\$ 6	6,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$	1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$	0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$	234
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	117	sq.yd.	<u>\$ 15.00</u>	\$	1,755
9	REMOVE AND REPLACE DRIVEV Bituminous		sq.yd.	\$ 52.00	\$	520
10	RESTORATION OF STREETS: Bit. Concrete Street	11	sq.yd.	\$ 69.00	\$	759
11	TRENCH BACKFILL: 0-8 feet deep	15	lin. ft.	\$ 68.00	\$	1,020
12	TREE REMOVAL AND TRIMMING):		Lump Sum	\$	2,190
13	EROSION CONTROL:			Lump Sum	\$	365
14	TRAFFIC CONTROL:			Lump Sum	\$	730
	TOTAL ESTIMATE OF CONS	TRUCTION COS	т		\$ 65	5,600
	Contingencies (20%) Engineering (20%) Easement Acquisition					
	TOTAL OPINION OF PROBA	BLE COST			<u>\$ 111</u>	,300

3200 Meyers Rd

No.	Pay Item	Approxima Quantity		Unit Price		Amount
	CE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$	12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	50	lin. ft.	\$ 47.00	\$	2,350
	1-1/4" HDPE (DRILL)	300	lin. ft.	\$ 61.00	\$	18,300
3	CONNECTION TO EXISTING MAN	HOLE: 1	each	\$ 6,800.00	\$	6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$	3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$	1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$	0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$	234
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	106	sq.yd.	\$ 15.00	\$	1,590
9	REMOVE AND REPLACE DRIVEW Bituminous		sq.yd.	\$ 52.00	\$	0
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	0
11	TRENCH BACKFILL: 0-8 feet deep	0	lin. ft.	\$ 68.00	\$	0
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$	2,920
13	EROSION CONTROL:			Lump Sum	\$	1,095
14	TRAFFIC CONTROL:			Lump Sum	\$	0
	TOTAL ESTIMATE OF CONSTRUCTION COST					
		Contingencies Engineering Easement Acqu	(20%) (20%) isition			9,900 9,900 8,500
	TOTAL OPINION OF PROBAB	LE COST			\$	78,000

3210 Meyers Rd

No.	Pay Item	Approxima Quantity		Unit Price	Amount
	CE LATERALS				
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$ 12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	150	lin. ft.	\$ 47.00	\$ 7,050
	1-1/4" HDPE (DRILL)	170	lin. ft.	\$ 61.00	\$ 10,370
3	CONNECTION TO EXISTING MAN	HOLE: 1	each	\$ 6,800.00	\$ 6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$ 3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$ 1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$ 234
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	217	sq.yd.	\$ 15.00	\$ 3,255
9	REMOVE AND REPLACE DRIVEW		sq.yd.	\$ 52.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$ 0
11	TRENCH BACKFILL: 0-8 feet deep	0	lin. ft.	\$ 68.00	\$ 0
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 2,190
13	EROSION CONTROL:			Lump Sum	\$ 1,095
14	TRAFFIC CONTROL:			Lump Sum	\$ 365
	TOTAL ESTIMATE OF CONST	RUCTION COS	т		\$ 47,700
		Contingencies Engineering Easement Acqu	(20%) (20%) iisition		9,500 9,500 6,900
	TOTAL OPINION OF PROBAB	LE COST			\$ 73,600

No.	Pay Item	Approxima Quantity		Unit Price	Amount
	CE LATERALS				
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$ 12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	115	lin. ft.	\$ 47.00	\$ 5,405
	1-1/4" HDPE (DRILL)	250	lin. ft.	\$ 61.00	\$ 15,250
3	CONNECTION TO EXISTING MANI	HOLE: 1	each	\$ 6,800.00	\$ 6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$ 3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$ 1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$ 234
8	RESTORATION OF LAWNS AND PARKWAYS:				
	Topsoil and Sod	178	sq.yd.	\$ 15.00	\$ 2,670
9	REMOVE AND REPLACE DRIVEW. Bituminous	AYS: 0	sq.yd.	\$ 52.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	3	sq.yd.	\$ 69.00	\$ 207
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$ 68.00	\$ 680
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,460
13	EROSION CONTROL:			Lump Sum	\$ 730
14	TRAFFIC CONTROL:			Lump Sum	\$ 730
	TOTAL ESTIMATE OF CONST	RUCTION COS	Г		\$ 50,500
		Contingencies Engineering Easement Acqu	(20%) (20%) isition		10,100 10,100 10,500
	TOTAL OPINION OF PROBABI	LE COST			\$ 81,200

167

No.	Pay Item	Approxima Quantity		Unit Price		Amount
	CE LATERALS					,
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$	12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	105	lin. ft.	\$ 47.00	\$	4,935
	1-1/4" HDPE (DRILL)	240	lin. ft.	\$ 61.00	\$	14,640
3	CONNECTION TO EXISTING MAN	HOLE: 1	each	\$ 6,800.00	\$	6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$	3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$	1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$	0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$	234
8	RESTORATION OF LAWNS AND PARKWAYS:	407		¢ 45.00	¢	0.505
	Topsoil and Sod	167	sq.yd.	<u>\$ 15.00</u>	\$	2,505
9	REMOVE AND REPLACE DRIVEW Bituminous	AYS: 0	sq.yd.	\$ 52.00	\$	0
10	RESTORATION OF STREETS: Bit. Concrete Street	3	sq.yd.	\$ 69.00	\$	207
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$ 68.00	\$	680
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$	1,460
13	EROSION CONTROL:			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	730
	TOTAL ESTIMATE OF CONST	RUCTION COS	т		\$	49,300
		Contingencies Engineering Easement Acqu	(20%) (20%) iisition			9,900 9,900 10,300
	TOTAL OPINION OF PROBAB	LE COST			\$	79,400

No.	Pay Item	Approxima Quantity		Unit Price	Amount
	CE LATERALS				
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$ 12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	130	lin. ft.	\$ 47.00	\$ 6,110
	1-1/4" HDPE (DRILL)	210	lin. ft.	\$ 61.00	\$ 12,810
3	CONNECTION TO EXISTING MAN	HOLE: 1	each	\$ 6,800.00	\$ 6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$ 3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$ 1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$ 234
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	194	sq.yd.	\$ 15.00	\$ 2,910
9	REMOVE AND REPLACE DRIVEW Bituminous		sq.yd.	\$ 52.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	3	sq.yd.	\$ 69.00	\$ 207
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$ 68.00	\$ 680
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,460
13	EROSION CONTROL:			Lump Sum	\$ 730
14	TRAFFIC CONTROL:			Lump Sum	\$ 730
	TOTAL ESTIMATE OF CONST	RUCTION COS	т		\$ 49,000
		Contingencies Engineering Easement Acqu	(20%) (20%) iisition		9,800 9,800 8,900
	TOTAL OPINION OF PROBAB	LE COST			\$ 77,500

No.	Pay Item	Approxima Quantity		Unit Price	Amount
	CE LATERALS	,			
1	GRINDER PUMP SYSTEM:	1	each	\$ 12,200.00	\$ 12,200
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	140	lin. ft.	\$ 47.00	\$ 6,580
	1-1/4" HDPE (DRILL)	215	lin. ft.	\$ 61.00	\$ 13,115
3	CONNECTION TO EXISTING MAN	HOLE: 1	each	\$ 6,800.00	\$ 6,800
4	CLEAN-OUTS:	1	each	\$ 3,000.00	\$ 3,000
5	AIR RELEASE VALVES:	1	each	\$ 1,169.00	\$ 1,169
6	BUILDING SERVICE FITTINGS:	0	each	\$ 234.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 234.00	\$ 234
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	206	sq.yd.	\$ 15.00	\$ 3,090
9	REMOVE AND REPLACE DRIVEW Bituminous			\$ 52.00	\$ 364
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$ 0
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$ 68.00	\$ 680
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,460
13	EROSION CONTROL:			Lump Sum	\$ 730
14	TRAFFIC CONTROL:			Lump Sum	\$ 2,190
	TOTAL ESTIMATE OF CONST	RUCTION COS	Г		\$ 51,600
		Contingencies Engineering Easement Acqu	(20%) (20%) isition		10,300 10,300 5,500
	TOTAL OPINION OF PROBAB	LE COST			\$ 77,700

3412 Meyers Rd

4.9 57th and Grant

57th 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 57th 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 57th 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

APRIL 2022

LEGEND

• PROPOSED MANHOLES

PROPOSED SEWERS

EXISTING SEWERS

EXISTING MANHOLES

PARCEL BOUNDARIES

 \bigcirc



Table 4.9-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers57th and GrantPreliminary Design Layout

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

(Sanitary sewers are available as of March 2015.)

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2015.)

April 2022

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2015.)

April 2022

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, 59th Street to the north, Williams Street to the east, and 61st 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.

Sub-basin	No. of Services	Layout	Cost Estimate
59 th (West)	15	Table 4.10-1	Table 4.10-2
59 th (East)	4	Table 4.10-3	Table 4.10-4
60 th (West)	11	Table 4.10-5	Table 4.10-6
60 th and Cumnor	7	Table 4.10-7	Table 4.10-8
60 th (East)	3	Table 4.10-9	Table 4.10-10
Cumnor (South)	2	Table 4.10-11	Table 4.10-12
61 st and Cumnor	12	Table 4.10-13	Table 4.10-14
61 st (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 59th (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 \$396,400 including contingency, engineering, and legal/administrative costs.

The 59th (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 \$344,500, including contingency, engineering, and legal/administrative costs.

The 60th (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 \$241,400, including contingency, engineering, and legal/administrative costs.

The 60th and Cumnor sub-basin sewer plan follows the existing topography which falls from 293 W. 60th Street east to 217 W. 60th 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 \$163,900, including contingency, engineering, and legal/administrative costs.

The 60th (East) sub-basin sewer plan will flow east from 105 W. 60th Street to the existing sanitary manhole at 35 W. 60th 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 \$88,300, including contingency, engineering, and legal/ administrative costs.

The Cumnor (South) sub-basin sewer plan will connect to the sewer on 61^{st} 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 \$122,500, including contingency, engineering, and legal/administrative costs.

The 61st and Cumnor sub-basin sewer plan will connect to the sewer at the southeast corner of Cumnor and 61st. 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 \$425,000 including contingency, engineering, and legal/administrative costs.

The 61st (East) sub-basin sewer plan will connect to the manhole 200 feet west of the northwest intersection of Williams and 61st. 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 \$94,200, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

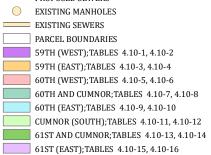
EXHIBIT 4.10

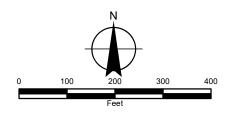
60TH AND CUMNOR

POSSIBLE SEWER ALIGNMENT

APRIL 2022

PROPOSED MANHOLES PROPOSED SEWERS





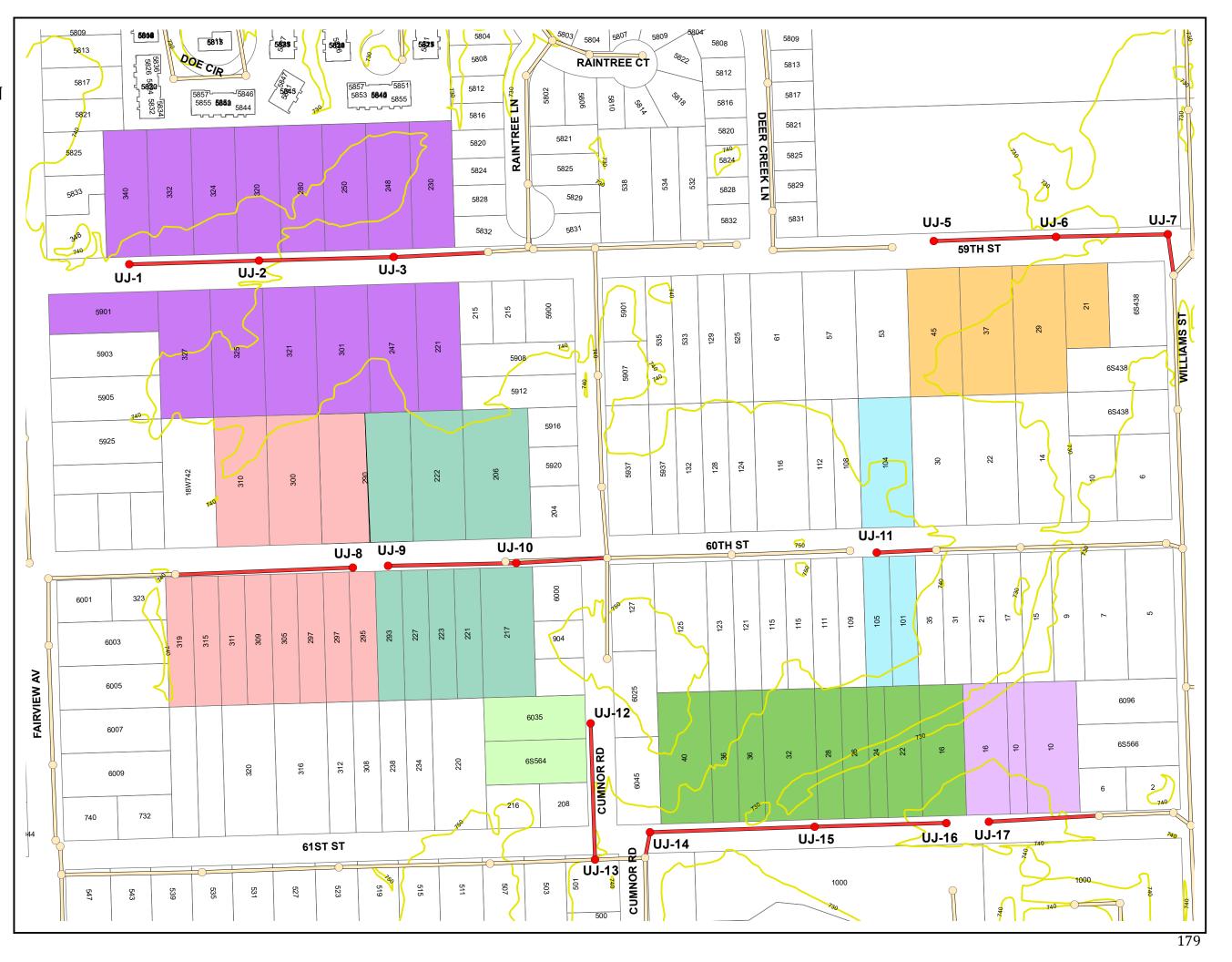


Table 4.10-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers59th (West)Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
59th Stree	t					
	G-5-093 (existing)	736.0	723.50			12.5
				230	1.39%	
	UJ-3	736.0	726.69			9.3
				300	1.10%	
	UJ-2	740.0	729.99		4.0004	10.0
		744.0	700.00	300	1.00%	
	UJ-1	741.0	732.99			8.0

No.	Pay Item		Approxima Quantity	te		Unit Price	Amount
<u> </u>	i ay item		Quantity			THUE	Amount
MAINLI	NE SEWER						
1	SANITARY SEWER 8-inch	(OPEN CUT) 8-12 feet deep	830	lin. ft.	\$	96.00	\$ 79,680
2	SANITARY MANHO 48-inch	LES 8-12 feet deep	3	each	\$	7,000.00	\$ 21,000
3	CONNECTION TO E 8-inch	EXISTING MANHO	LE 1	each	\$	6,800.00	\$ 6,800
4	TRENCH BACKFILL 8-inch	8-12 feet deep	140	lin. ft.	\$	124.00	\$ 17,360
5	TREE TUNNELING		130	lin. ft.	\$	211.00	\$ 27,430
6	SEWER TELEVISIN	G FOR FINAL INSI	PECTION 830	lin. ft.	\$	3.00	\$ 2,490
7	SEWER TESTING F	OR FINAL INSPEC	CTION 830	lin. ft.	\$	3.00	\$ 2,490
8	CULVERT REMOVA 12-inch	L AND REPLACE	MENT 90	lin. ft.	\$	89.00	\$ 8,010
9	RESTORATION OF AND PARKWAYS: Topsoil and so		1,533	sq.yd.	\$	15.00	\$ 22,995
10	RESTORATION OF Bit. Concrete St			sq.yd.	\$	70.00	\$ 0
11	REMOVE AND REP Bituminous	LACE DRIVEWAY	S 160	sq.yd.	\$	53.00	\$ 8,480
	Aggregate		18	sq.yu. sq.yd.	<u>э</u> \$	22.00	\$ 396

		Approxima		Unit		
No.	Pay Item	Quantity		Price		Amount
12	TREE REMOVAL AND TRIMMING	G:		Lump Sum	\$	2,190
13	EROSION CONTROL			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	2,190
	SUBTOTAL				\$	202,241
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side	80	lin. ft.	<u>\$ 55.00</u>	<u>\$</u> \$	4,400
	Far side	350	lin. ft.	\$ 55.00	\$	19,250
2	BUILDING SERVICE BRANCH FITTINGS					
	Near Side	8	each	\$ 608.00	\$	4,864
	Far side	7	each	\$ 749.00	\$	5,243
3	BUILDING SERVICE PLUG:	15	each	\$ 228.00	\$	3,420
4	RESTORATION OF LAWNS AND PARKWAYS:					
	Topsoil and sod	400	sq.yd.	\$ 15.00	\$	6,000
5	RESTORATION OF STREETS: Bit. Concrete Street	137	sq.yd.	\$ 69.00	\$	9,453
_						
6	TRENCH BACKFILL 0-8 feet deep	182	lin. ft.	\$ 68.00	\$	12,376
	SUBTOTAL				\$	65,006
	TOTAL ESTIMATE OF CONS	TRUCTION COST	-		\$	267,200
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)	2.00		53,400 53,400 22,400
	TOTAL OPINION OF PROBA	-	× /		\$	396,400
				Cost per	lot	26,430

Table 4.10-3Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers59th (East)Preliminary Design Layout

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

No.		•	Approximat	le		Unit		_
110.	Pay Item		Quantity			Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	8-12 feet deep	620	lin. ft.	\$	96.00	<u>\$</u> \$	59,520
		12-16 feet deep	16	lin. ft.	\$	116.00	\$	1,856
2	SANITARY MAN	HOLES						
	48-inch	8-12 feet deep	3	each	\$	7,000.00	\$	21,000
		12-16 feet deep	0	each	\$	8,500.00	\$ \$	0
3	CONNECTION T	O EXISTING MANHOLE						
C	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF 8-inch	ILL 8-12 feet deep	620	lin. ft.	\$	124.00	¢	76,880
	0-men	12-16 feet deep	16	lin. ft.	\$	150.00	<u>\$</u> \$	2,400
					<u> </u>		<u> </u>	_,
5	TREE TUNNELIN	NG	0	lin. ft.	\$	211.00	\$	0
6	SEWER TELEVIS	SING FOR FINAL INSPEC	CTION					
			636	lin. ft.	\$	3.00	\$	1,908
7		G FOR FINAL INSPECTIO	אר					
'	SEWER TESTIN	GT ORT INAL INSPECTIC	636	lin. ft.	\$	3.00	\$	1,908
							<u> </u>	,
8	CULVERT REMO 12-inch	OVAL AND REPLACEMEN		ling ff	¢	00.00	¢	0
	12-inch		0	lin. ft.	\$	89.00	\$	0
9	RESTORATION							
			50		•		•	
	Topsoil and	I SOC	50	sq.yd.	\$	15.00	\$	750
10	RESTORATION	OF STREETS:						
	Bit. Concrete	e Street	565	sq.yd.	\$	70.00	\$	39,550
11	REMOVE AND R	EPLACE DRIVEWAYS						
	Bituminous		0	sq.yd.	\$	53.00	\$	0

		Approxima	te	Unit		A .
No.	Pay Item	Quantity		Price		Amount
12	TRAFFIC CONTROL:			Lump Sum	\$	5,110
	SUBTOTAL				\$	217,682
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES					
	Near side	100	lin. ft.	\$ 55.00	<u>\$</u> \$	5,500
	Far side	0	lin. ft.	\$ 55.00	\$	0
2	BUILDING SERVICE					
	BRANCH FITTINGS			* • • • • • • •	•	0.400
	Near Side	4	each	\$ 608.00	<u>\$</u> \$	2,432
	Far side	0	each	\$ 749.00	\$	0
3	BUILDING SERVICE PLUG:	4	each	\$ 228.00	\$	912
4	RESTORATION OF LAWNS					
	AND PARKWAYS:					
	Topsoil and sod	91	sq.yd.	\$ 15.00	\$	1,365
5	RESTORATION OF STREETS:					
	PCC Curb & Gutter	40	lin. ft.	\$ 40.00	\$	1,600
6	TRENCH BACKFILL					
	0-8 feet deep	40	lin. ft.	\$ 68.00	\$	2,720
	SUBTOTAL				\$	14,529
	TOTAL ESTIMATE OF CONS	STRUCTION COST	-		\$	232,200
		Contingencies	(20%)			46,400
		Engineering	(20%)			46,400
		Legal / Admin	(6%)			19,500
	TOTAL OPINION OF PROBA	ABLE COST			\$	344,500
				Cost per lo	ot	86,130

Table 4.10-5Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers60th (West)Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
60th Stre	<u>eet</u>					
	W-1-104-E (existing)	741.2	735.84	400	0.40%	5.3
	UJ-8	746.0	737.44	100	011070	8.6

No.	Pay Item		roxima uantity			Unit Price		Amount
	-		adirity			1 1100		7 iniouni
MAINLI	NE SEWER							
1	SANITARY SEWE 8-inch	R (OPEN CUT) 0-8 feet deep 8-12 feet deep	150 250	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	12,300 24,000
2	SANITARY MANH	OLES						
	48-inch	0-8 feet deep 8-12 feet deep	0 1	each each	\$ \$	5,300.00 7,000.00	\$ \$	0 7,000
3	CONNECTION TO 8-inch	EXISTING MANHOLE	1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFIL 8-inch	L 8-12 feet deep	160	lin. ft.	\$	124.00	\$	19,840
5	TREE TUNNELING	3	100	lin. ft.	\$	211.00	\$	21,100
6	SEWER TELEVISI	NG FOR FINAL INSPECTIO	DN 400	lin. ft.	\$	3.00	\$	1,200
7	SEWER TESTING	FOR FINAL INSPECTION	400	lin. ft.	\$	3.00	\$	1,200
8	CULVERT REMOV 12-inch	AL AND REPLACEMENT	105	lin. ft.	\$	89.00	\$	9,345
9	RESTORATION O AND PARKWAYS: Topsoil and s		733	sq.yd.	\$	15.00	\$	10,995
10	RESTORATION O Bit. Concrete S		0	sq.yd.	\$	70.00	\$	0
11	REMOVE AND RE Bituminous Aggregate	PLACE DRIVEWAYS	100 9	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	5,300 198
12	TREE REMOVAL	AND TRIMMING:			Lump	o Sum	\$	2,555

No.	Pay Item	Approximate Quantity		Unit Price Lump Sum		Amount	
13	EROSION CONTROL					\$	730
14	TRAFFIC CONTROL:			Lump	Sum	\$	2,190
	SUBTOTAL					\$	124,753
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	128 150	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$	7,040
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	8 3	each each	\$ \$	608.00 749.00	\$ \$	4,864
3	BUILDING SERVICE PLUG:	11	each	\$	228.00	\$	2,50
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	222	sq.yd.	\$	15.00	\$	3,33(
5	RESTORATION OF STREETS: Bit. Concrete Street	61	sq.yd.	\$	69.00	\$	4,209
6	TRENCH BACKFILL 0-8 feet deep	81	lin. ft.	\$	68.00	\$	5,50
	SUBTOTAL					\$	37,95
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	T			\$	162,70
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				32,50 32,50 13,70
	TOTAL OPINION OF PROB	ABLE COST				\$	241,400
					Cost per lo	ot	21,950

Table 4.10-7Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers60th and CumnorPreliminary Design Layout

60th Street	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
	G-5-095 (existing)	747.0	735.10	207	0.40%	11.9
	UJ-9	745.0	736.17	267	0.40%	8.8

			Approximate		Unit				
No.			Quantity			Price		Amount	
MAINLIN	NE SEWER								
1	SANITARY SEWER (OF 8-inch 8-1	PEN CUT) 2 feet deep	267	lin. ft.	\$	96.00	\$	25,632	
2		3 2 feet deep	1	each	\$	7,000.00	\$	7,000	
3	CONNECTION TO EXIS 8-inch	STING MANHOLE	1	each	\$	6,800.00	\$	6,800	
4	TRENCH BACKFILL 8-inch 8-1	2 feet deep	60	lin. ft.	\$	124.00	\$	7,440	
5	TREE TUNNELING		50	lin. ft.	\$	211.00	\$	10,550	
6	SEWER TELEVISING F	OR FINAL INSPECT	TION 267	lin. ft.	\$	3.00	\$	80 [,]	
7	SEWER TESTING FOR	FINAL INSPECTION	N 267	lin. ft.	\$	3.00	\$	80 ⁻	
8	CULVERT REMOVAL A 12-inch	ND REPLACEMENT	- 60	lin. ft.	\$	89.00	\$	5,34	
9	RESTORATION OF LAV AND PARKWAYS: Topsoil and sod	WNS	378	sq.yd.	\$	15.00	\$	5,670	
10	RESTORATION OF STI Bit. Concrete Street		0	sq.yd.	\$	70.00	\$		
11	REMOVE AND REPLAC Bituminous Aggregate	CE DRIVEWAYS	76 16	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	4,02	
12	TREE REMOVAL AND	TRIMMING:			Lum	p Sum	\$	2,190	

No.	Pay Item	Approximate Quantity		Unit Price	Amount	
13	EROSION CONTROL			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	2,190
	SUBTOTAL				\$	79,524
SERVICI	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	64 150	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	3,520 8,250
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4 3	each each	\$ 608.00 \$ 749.00	\$ \$	2,432 2,247
3	BUILDING SERVICE PLUG:	7	each	\$ 228.00	\$	1,596
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	178	sq.yd.	<u>\$ 15.00</u>	\$	2,670
5	RESTORATION OF STREETS: Bit. Concrete Street	64	sq.yd.	\$ 69.00	\$	4,416
6	TRENCH BACKFILL 0-8 feet deep	84	lin. ft.	\$ 68.00	\$	5,712
	SUBTOTAL				\$	30,843
	TOTAL ESTIMATE OF CON	STRUCTION COST	г		\$	110,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			22,100 22,100 9,300
	TOTAL OPINION OF PROB	ABLE COST			\$	163,900
				Cost per	lot	23,410

Table 4.10-9Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers60th (East)Preliminary Design Layout

60th Street	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
	G-6-155 (existing)	739.0	731.19	120	2 00%	7.8
	UJ-11	744.0	733.59	120	2.00%	10.4

Ne	Deviltere		roxima	te		Unit Drice		Americant
No.	Pay Item	Q	uantity			Price		Amount
MAINLIN	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
	8-inch	0-8 feet deep	20	lin. ft.	\$	82.00	<u>\$</u> \$	1,640
		8-12 feet deep	100	lin. ft.	\$	96.00	\$	9,600
2	SANITARY MANH	IOLES						
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	0
		8-12 feet deep	1	each	\$	7,000.00	\$	7,000
3	CONNECTION TO	D EXISTING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFI	LL						
	8-inch	8-12 feet deep	44	lin. ft.	\$	124.00	\$	5,456
5	TREE TUNNELIN	G	30	lin. ft.	\$	211.00	\$	6,330
6	SEWER TELEVIS	ING FOR FINAL INSPECTI	ON					
C			120	lin. ft.	\$	3.00	\$	360
7	SEWER TESTING	FOR FINAL INSPECTION						
			120	lin. ft.	\$	3.00	\$	360
8	CULVERT REMO	VAL AND REPLACEMENT						
	15-inch		30	lin. ft.	\$	113.00	\$	3,390
9	RESTORATION C	OF LAWNS						
	AND PARKWAYS							
	Topsoil and	sod	244	sq.yd.	\$	15.00	\$	3,660
10	RESTORATION C	OF STREETS:						
	Bit. Concrete	Street	0	sq.yd.	\$	70.00	\$	0
11	REMOVE AND RE	EPLACE DRIVEWAYS						
	Bituminous			sq.yd.	\$	53.00	\$ \$	1,590
	Aggregate		0	sq.yd.	\$	22.00	\$	0
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	730

No.	Pay Item	Approxima Quantity	te	Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	365
14	TRAFFIC CONTROL:			Lump Sum	\$	730
	SUBTOTAL				\$	48,011
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	32 50	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	1,760 2,750
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	2 1	each each	\$ 608.00 \$ 749.00	\$ \$	1,216 749
3	BUILDING SERVICE PLUG:	3	each	\$ 228.00	\$	684
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	67	sq.yd.	<u>\$ 15.00</u>	\$	1,005
5	RESTORATION OF STREETS: Bit. Concrete Street	21	sq.yd.	\$ 69.00	\$	1,449
6	TRENCH BACKFILL 0-8 feet deep	28	lin. ft.	\$ 68.00	\$	1,904
	SUBTOTAL				\$	11,517
	TOTAL ESTIMATE OF CON	STRUCTION COST	-		\$	59,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			11,900 11,900 5,000
	TOTAL OPINION OF PROB	ABLE COST			\$	88,300
				Cost per le	ot	29,430

Table 4.10-11 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Cumnor (South) Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Cumnor Ro	bad					
	UJ-13	740.0	728.50	330	2.00%	11.5
	UJ-12	746.0	735.10	550	2.0070	10.9

No.	Pay Item	Α	Approximat Quantity	te		Unit Price		Amount
	i uy nom		Quantity			1 1100		7 thount
MAINLIN	NE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	0-8 feet deep	80	lin. ft.	\$	82.00	<u>\$</u> \$	6,560
		8-12 feet deep	250	lin. ft.	\$	96.00	\$	24,000
2	SANITARY MAN	HOLES						
	48-inch	0-8 feet deep	0	each	\$	5,300.00	\$	0
		8-12 feet deep	1	each	\$	7,000.00	\$	7,000
3	CONNECTION T	O EXISTING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF	ILL						
	8-inch	0-8 feet deep	30	lin. ft.	<u>\$</u> \$	102.00	<u>\$</u> \$	3,060
		8-12 feet deep	50	lin. ft.	\$	124.00	\$	6,200
5	TREE TUNNELIN	IG	0	lin. ft.	\$	211.00	\$	0
6	SEWER TELEVIS	SING FOR FINAL INSPEC	CTION					
			330	lin. ft.	\$	3.00	\$	990
7	SEWER TESTIN	G FOR FINAL INSPECTIO	N					
			330	lin. ft.	\$	3.00	\$	990
8	CULVERT REMO	VAL AND REPLACEMEN	ΝT					
	12-inch		19	lin. ft.	\$	89.00	\$	1,691
9	RESTORATION							
					•	15.00	•	
	Topsoil and	sod	600	sq.yd.	\$	15.00	\$	9,000
10					•		•	
	Bit. Concrete PCC Curb &		36 10	sq.yd. lin. ft.	\$	70.00	\$	2,520
	PCC Curb & PCC Sidewa		10 50	sq. ft.	\$ \$	<u>45.00</u> 14.00	\$ \$	450 700
11		EPLACE DRIVEWAYS						
11	Bituminous	EPLACE DRIVEWAYS	76	sq.yd.	\$	53.00	\$	4,028
40				. ,				
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	730

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL	·		Lump Sum	\$	365
14	TRAFFIC CONTROL:			Lump Sum	\$	3,285
	SUBTOTAL				\$	78,369
SERVICI	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	32 0	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	1,760 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	2 0	each each	\$ 608.00 \$ 749.00	\$ \$	1,216
3	BUILDING SERVICE PLUG:	2	each	\$ 228.00	\$	456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	50	sq.yd.	<u>\$ 15.00</u>	\$	750
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	(
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$ 68.00	\$	(
	SUBTOTAL				\$	4,182
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	-		\$	82,600
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			16,500 16,500 6,900
	TOTAL OPINION OF PROB	ABLE COST			\$	122,500
				Cost per lo	ot	61,250

Table 4.10-13Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers61st and CumnorPreliminary Design Layout

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

No.	Pay Item	A	pproxima Quantity	te		Unit Price		Amount
	i dy hom		Quantity			11100		7 inount
MAINLI	NE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	0-8 feet deep	80	lin. ft.	\$	82.00	<u>\$</u> \$	6,560
		8-12 feet deep	660	lin. ft.	\$	96.00	\$	63,360
2	SANITARY MAN	HOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	5,300
		8-12 feet deep	2	each	\$	7,000.00	\$	14,000
3	CONNECTION T	O EXISTING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF	FILL						
	8-inch	0-8 feet deep	80	lin. ft.	<u>\$</u> \$	102.00	<u>\$</u> \$	8,160
		8-12 feet deep	660	lin. ft.	\$	124.00	\$	81,840
5	TREE TUNNELIN	NG	0	lin. ft.	\$	211.00	\$	0
6	SEWER TELEVIS	SING FOR FINAL INSPEC	TION					
			740	lin. ft.	\$	3.00	\$	2,220
7	SEWER TESTIN	G FOR FINAL INSPECTIO	ON					
			740	lin. ft.	\$	3.00	\$	2,220
8	CULVERT REMO	OVAL AND REPLACEMEN	Т					
	12-inch		0	lin. ft.	\$	89.00	\$	0
9								
	AND PARKWAY							
	Topsoil and	l sod	33	sq.yd.	\$	15.00	\$	495
10				_				
	Bit. Concrete			sq.yd.	\$	70.00	\$	46,060
	PCC Curb & PCC Sidewa		120 50	lin. ft. sq. ft.	\$ \$	45.00 14.00	\$ \$	5,400 700
11	REMOVE AND R Bituminous	REPLACE DRIVEWAYS	0	sq.yd.	\$	53.00	\$	0
			5					
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	730

No.	Pay Item	Approxima Quantity	te		Unit Price		Amount
13	EROSION CONTROL			Lump	Sum	\$	2,190
14	TRAFFIC CONTROL:			Lump	Sum	\$	7,300
	SUBTOTAL					\$	253,335
SERVICI	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	336 0	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	18,480 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	12 0	each each	\$ \$	608.00 749.00	\$ \$	7,296 0
3	BUILDING SERVICE PLUG:	12	each	\$	228.00	\$	2,736
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	300	sq.yd.	\$	15.00	\$	4,500
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	69.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	68.00	\$	0
	SUBTOTAL					\$	33,012
	TOTAL ESTIMATE OF CON	STRUCTION COST	-			\$	286,300
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				57,300 57,300 24,100
	TOTAL OPINION OF PROB	ABLE COST				\$	425,000
					Cost per lo	ot	35,420

Table 4.10-15Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers61st (East)Preliminary Design Layout

61st Street	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
	G-6-155 (existing)	739.0	731.19	230	2.00%	7.8
	UJ-17	744.0	735.79	230	2.00 /0	8.2

No.	Pay Item	ŀ	Approximat Quantity	te		Unit Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWE 8-inch	ER (OPEN CUT) 0-8 feet deep 8-12 feet deep	130 100	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	10,660 9,600
2	SANITARY MANH 48-inch	IOLES 0-8 feet deep 8-12 feet deep	1 0	each each	\$ \$	5,300.00 7,000.00	\$ \$	<u>5,300</u> 0
3	CONNECTION TO 8-inch	D EXISTING MANHOLE	1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF 8-inch	ILL 0-8 feet deep 8-12 feet deep	15 15	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	1,530 1,860
5	TREE TUNNELIN	G	20	lin. ft.	\$	211.00	\$	4,220
6	SEWER TELEVIS	ING FOR FINAL INSPEC	CTION 230	lin. ft.	\$	3.00	\$	690
7	SEWER TESTING	G FOR FINAL INSPECTION	ON 230	lin. ft.	\$	3.00	\$	690
8	CULVERT REMO 12-inch	VAL AND REPLACEMEN	NT 20	lin. ft.	\$	89.00	\$	1,780
9	RESTORATION C AND PARKWAYS Topsoil and	:	444	sq.yd.	\$	15.00	\$	6,660
10	RESTORATION C Bit. Concrete PCC Curb & PCC Sidewal	Street Gutter	0 0 0	sq.yd. lin. ft. sq. ft.	\$ \$ \$	70.00 45.00 14.00	\$ \$ \$	0 0 0
11	REMOVE AND RI Bituminous	EPLACE DRIVEWAYS	13	sq.yd.	\$	53.00	\$	689
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	1,460

No.	Pay Item	Approxima Quantity	te		Unit Price		Amount
13	EROSION CONTROL			Lump \$	Sum	\$	365
14	TRAFFIC CONTROL:			Lump \$	Sum	\$	2,920
	SUBTOTAL					\$	55,224
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	84 0	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	<u>4,620</u>
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	3 0	each each	\$ \$	608.00 749.00	\$ \$	<u>1,824</u> 0
3	BUILDING SERVICE PLUG:	3	each	\$	228.00	\$	684
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	75	sq.yd.	\$	15.00	\$	1,125
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	69.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	68.00	\$	0
	SUBTOTAL					\$	8,253
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	-			\$	63,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				12,700 12,700 5,300
	TOTAL OPINION OF PROB	ABLE COST				\$	94,200
					Cost per lo	ot	31,400

Table 4.10-17Downers Grove Sanitary DistrictPossible Special Assessments for Sanitary Sewers60th and Cumnor Sub-AreaCost Summary

Near Services	Far Services	Т	otal Project Cost		Cost per lot
8	7	\$	396,400	\$	26,430
4	0	\$	344,500	\$	86,130
8	3	\$	241,400	\$	21,950
4	3	\$	163,900	\$	23,410
2	1	\$	88,300	\$	29,430
2	0	\$	122,500	\$	61,250
12	0	\$	425,000	\$	35,420
3	0	\$	94,200	\$	31,400
43	14	\$	1,876,200	\$	32,920
	8 4 8 4 2 2 12 3 43	8 7 4 0 8 3 4 3 2 1 2 0 12 0 3 0	8 7 \$ 4 0 \$ 8 3 \$ 4 3 \$ 4 3 \$ 2 1 \$ 2 0 \$ 12 0 \$ 3 0 \$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

4.11 63rd Corridor

The 63^{rd} 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^{nd} Street to the north, Florence Avenue to the east, and 65^{th} 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^{rd} 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 63rd 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^{rd} 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^{rd} 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.

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 rd 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 rd and Osage	7	Table 4.11-13	Table 4.11-14
Grand Avenue	8	Table 4.11-15	Table 4.11-16

The following are the proposed sub-basins:

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 63rd to Adelia and Carpenter. The existing sewers on the north side of 63rd 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 63rd 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 \$226,900, 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 \$177,200, 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 63rd to avoid the existing water main, IBC ducts, and power poles. The existing sewers to the west on 63rd 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 \$922,600, including contingency, engineering, easements, and legal/administrative costs.

The 63rd and Lyman sub-basin sewer plan follows the topography east from 912 W. 63rd Street to the existing sewer on Lyman Avenue. This sewer will be parallel to a sewer on the south side of 63rd 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 \$390,400, 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^{rd} Street. The sewer on the south side of 63^{rd} 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^{rd} , 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 \$519,200, 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. 62nd 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 \$51,200, including contingency, engineering, easements, and legal/administrative costs.

The 63rd and Osage sub-basin sewer plan will flow along the north side of 63rd Street from Blodgett to east of Osage Avenue. These properties along 63rd 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. 63rd 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 \$316,600, including contingency, engineering, easements, and legal/administrative costs.

The Grand Avenue sub-basin sewer plan will connect to the proposed 63rd and Osage sewer at 63rd and Grand. The existing sewer north of the intersection of Grand and 62nd 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 \$198,900, including contingency, engineering, and legal/administrative costs.

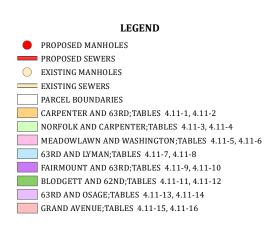
DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

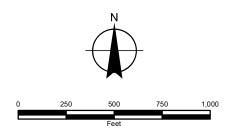
EXHIBIT 4.11

63rd CORRIDOR

POSSIBLE SEWER ALIGNMENT

MARCH 2021







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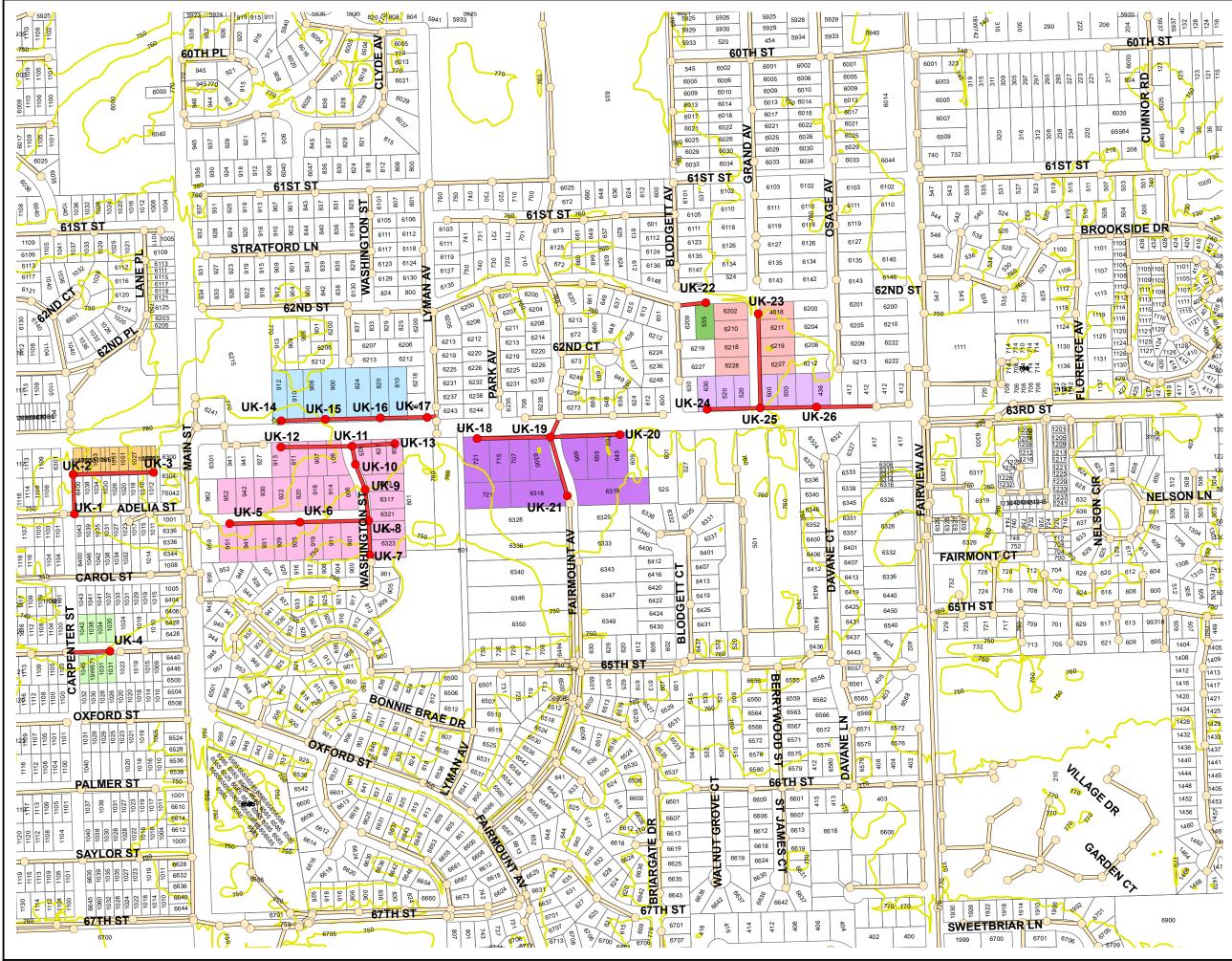


Table 4.11-1Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersCarpenter and 63rdPreliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
<u>Carpenter</u>	Street					
	UK-1	745.9	740.75	000	0.400/	5.1
	UK-2	750.0	741.64	223	0.40%	8.4
63rd Stree	<u>et</u>					
	UK-3	767.0	754.97	430	3.10%	12.0

No.	Pay Item		Approxima Quantity	te		Unit Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWEF 8-inch	R (OPEN CUT) 0-8 feet deep 8-12 feet deep	223 430	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	18,286 41,280
2	SANITARY MANHO 48-inch	DLES 0-8 feet deep 8-12 feet deep	1 1	each each	\$ \$	5,300.00 7,000.00	\$ \$	5,300 7,000
3	CONNECTION TO 8-inch	EXISTING MANHOL	E 1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFIL 8-inch	L 0-8 feet deep 8-12 feet deep	60 76	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	6,120 9,424
5	TREE TUNNELING		60	lin. ft.	\$	211.00	\$	12,660
6	SEWER TELEVISI	NG FOR FINAL INSP	ECTION 653	lin. ft.	\$	3.00	\$	1,959
7	SEWER TESTING	FOR FINAL INSPEC	TION 653	lin. ft.	\$	3.00	\$	1,959
8	CULVERT REMOV 12-inch	AL AND REPLACEM	ENT 0	lin. ft.	\$	89.00	\$	0
9	RESTORATION OF AND PARKWAYS: Topsoil and s		1,384	sq.yd.	\$	15.00	\$	20,767
10	RESTORATION OF Bit. Concrete S		27	sq.yd.	\$	70.00	\$	1,867
11	REMOVE AND REI Bituminous Aggregate	PLACE DRIVEWAYS	14	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	754 98
12	TREE REMOVAL A	ND TRIMMING:			Lump	Sum	\$	2,920

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	1,460
15	SPECIAL RESTORATION:			Lump Sum	\$	2,190
	SUBTOTAL				\$	141,573
SERVICE	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	60 0	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	<u>3,300</u> 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	8 0	each each	\$ 608.00 \$ 749.00	\$ \$	4,864
3	BUILDING SERVICE PLUG:	8	each	\$ 228.00	\$	1,824
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	89	sq.yd.	<u>\$ 15.00</u>	\$	1,333
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$ 68.00	\$	0
	SUBTOTAL				\$	11,321
	TOTAL ESTIMATE OF CONS	STRUCTION COS	т		\$	152,900
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			30,600 30,600 12,800
	TOTAL OPINION OF PROBA	ABLE COST			\$	226,900
				Cost per	ot	28,360

Table 4.11-3Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersNorfolk and CarpenterPreliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Carpenter Street					
H-3-67-4 (existing)	745.6	738.50	230	0.40%	7.1
UK-4	748.0	739.42	200	0.4070	8.6

No.	Pay Item		Approxima Quantity	te		Unit Price		Amount
			Quantity			11100		7 ano ant
MAINLIN	IE SEWER							
1	SANITARY SEWE	. ,						
	8-inch	0-8 feet deep	60	lin. ft.	\$	82.00	\$	4,920
		8-12 feet deep	170	lin. ft.	\$	96.00	\$	16,320
2	SANITARY MANH	IOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	<u>\$</u> \$	5,300
		8-12 feet deep	0	each	\$	7,000.00	\$	0
3	CONNECTION TO	O EXISTING MANHO	DLE					
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF							
4	8-inch	0-8 feet deep	65	lin. ft.	\$	102.00	\$	6,630
	•	8-12 feet deep	15	lin. ft.	\$ \$	124.00	<u>\$</u> \$	1,860
5	TREE TUNNELIN	G	50	lin. ft.	\$	211.00	\$	10,550
6	SEWER IELEVIS	SING FOR FINAL INS	PECTION 230	lin. ft.	\$	3.00	\$	690
			200		Ψ	0.00	Ψ	000
7	SEWER TESTING	G FOR FINAL INSPE			•			
			230	lin. ft.	\$	3.00	\$	690
8	CULVERT REMO	VAL AND REPLACE	MENT					
	12-inch		70	lin. ft.	\$	89.00	\$	6,230
9	RESTORATION (OF LAWINS						
0	AND PARKWAYS							
	Topsoil and	sod	373	sq.yd.	\$	15.00	\$	5,595
10	RESTORATION ()F STREETS						
10	Bit. Concrete		31	sq.yd.	\$	70.00	\$	2,170
11		EPLACE DRIVEWAY	'S					
	Bituminous			sq.yd.	\$	53.00	\$	848
	Aggregate			sq.yd.	\$	22.00	\$ \$	0
12	TREE REMOVAL	AND TRIMMING.			Lum	ıp Sum	\$	1,460
12					Luin		Ψ	1,-100

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	365
14	TRAFFIC CONTROL:			Lump Sum	\$	2,190
15	SPECIAL RESTORATION:			Lump Sum	\$	1,095
16	WATER MAIN RELOCATION:	1	each	\$ 7,800.00	\$	7,800
	SUBTOTAL				\$	81,513
SERVICE	LATERALS					
1	BUILDING SERVICE LINES Near side Far side	60 204	lin ft. lin ft.	\$55.00 \$55.00	\$ \$	3,300 11,220
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4 4	each each	\$ 608.00 \$ 749.00	\$ \$	2,432 2,996
3	BUILDING SERVICE PLUG:	8	each	\$ 228.00	\$	1,824
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	222	sq.yd.	\$ 15.00	\$	3,330
5	RESTORATION OF STREETS: Bit. Concrete Street	75	sq.yd.	\$ 69.00	\$	5,175
6	TRENCH BACKFILL 0-8 feet deep	112	lin. ft.	\$ 68.00	\$	7,616
	SUBTOTAL				\$	37,893
	TOTAL ESTIMATE OF CONS	STRUCTION COS	т		\$	119,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			23,900 23,900 10,000
	TOTAL OPINION OF PROBA	BLE COST			\$	177,200
				Cost per l	ot	22,150

Table 4.11-5Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersMeadowlawn and WashingtonPreliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Washingto	on Street					
	H-6-55 (existing)	754.1	746.44	40	0.400/	7.7
	UK-7	755.0	746.60	40	0.40%	8.4
	UK-8	755.5	747.44	210	0.40%	8.1
	UK-9	760.0	748.56	140	0.80%	11.4
	UK-10	766.0	752.80	265	1.60%	13.2
	UK-11	768.0	753.44	40	1.60%	14.6
Meadowlay	wn Avenue			400	1.50%	
	UK-6	764.0	753.44	375	1.50%	10.6
	UK-5	770.0	759.07	575	1.50 %	10.9
63rd Stree				400	1.50%	
	UK-12	772.0	759.44	270	0.40%	12.6
	UK-13	763.0	754.52			8.5

No.	Pay Item		Approxima Quantity	te		Unit Price		Amount
NO.	r ay item		Quantity			FIICE		Amount
MAINLIN	IE SEWER							
1	SANITARY SEW	/ER (OPEN CUT)						
	8-inch	0-8 feet deep	40	lin. ft.	\$	82.00	\$	3,280
		8-12 feet deep	1,810	lin. ft.	\$ \$ \$	96.00	\$ \$ \$	173,760
		12-16 feet deep	290	lin. ft.	\$	116.00	\$	33,640
2	SANITARY MAN	IHOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	\$	5,300
		8-12 feet deep	6	each	\$ \$ \$	7,000.00	<u>\$</u> \$	42,000
		12-16 feet deep	2	each	\$	8,500.00	\$	17,000
3	CONNECTION 1	O EXISTING MANH	OLE					
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	25	lin. ft.	\$	102.00	\$	2,550
		8-12 feet deep	520	lin. ft.	\$ \$ \$	124.00	\$ \$ \$	64,480
		12-16 feet deep	100	lin. ft.	\$	150.00	\$	15,000
5	TREE TUNNELI	NG	210	lin. ft.	\$	211.00	\$	44,310
6	SEWER TELEVI	SING FOR FINAL IN	SPECTION					
C			2,140	lin. ft.	\$	3.00	\$	6,420
7	SEWER TESTIN	IG FOR FINAL INSPE	ECTION					
			2,140	lin. ft.	\$	3.00	\$	6,420
8	CULVERT REM	OVAL AND REPLACI	EMENT					
	12-inch		80	lin. ft.	\$	89.00	\$	7,120
9	RESTORATION							
					•		•	- /
	Topsoil and	d sod	3,422	sq.yd.	\$	15.00	\$	51,330
10	RESTORATION				^		•	
	Bit. Concret	e Street	93	sq.yd.	\$	70.00	\$	6,510
11		REPLACE DRIVEWA			^		•	
	Bituminous			sq.yd.	\$	53.00	<u>\$</u> \$	7,632
	Aggregate		10	sq.yd.	\$	22.00	\$	220

No.	Pay Item	Approxima Quantity		Unit Price		Amount
12	TREE REMOVAL AND TRIMMING	6:		Lump Sum	\$	2,920
13	EROSION CONTROL			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	5,840
15	SPECIAL RESTORATION:			Lump Sum	\$	3,650
	SUBTOTAL				\$	506,912
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	300 408	lin. ft. lin. ft.	\$	\$ \$	16,500 22,440
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	20 8	each each	\$ 608.00 \$ 749.00	\$ \$	<u>12,160</u> 5,992
3	BUILDING SERVICE PLUG:	28	each	\$ 228.00	\$	6,384
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	578	sq.yd.	<u>\$ 15.00</u>	\$	8,670
5	RESTORATION OF STREETS: Bit. Concrete Street	156	sq.yd.	\$ 69.00	\$	10,764
6	TRENCH BACKFILL 0-8 feet deep	224	lin. ft.	\$ 68.00	\$	15,232
	SUBTOTAL				\$	98,142
	TOTAL ESTIMATE OF CONS	TRUCTION COS	т		\$	605,100
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) isition			121,000 121,000 50,800 24,700
	TOTAL OPINION OF PROBA	BLE COST			\$	922,600
				Cost per lo	ot	32,950

Table 4.11-7Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers63rd and LymanPreliminary Design Layout

63rd Street	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
0010 011001	<u>-</u>					
	G-3-76A (existing)	762.0	754.60			7.4
				50	0.40%	
	UK-17	763.0	754.80			8.2
				250	0.40%	
	UK-16	764.0	755.80			8.2
				300	1.20%	
	UK-15	769.0	759.40			9.6
				250	1.20%	
	UK-14	771.0	762.40			8.6

No.	Pay Item		Approxima Quantity	te		Unit Price		Amount
MAINLIN	E SEWER							
1	SANITARY SEWER 8-inch	(OPEN CUT) 0-8 feet deep 8-12 feet deep	30 820	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	2,460 78,720
2	SANITARY MANHO 48-inch	LES 0-8 feet deep 8-12 feet deep	0 4	each each	\$ \$	5,300.00 7,000.00	\$ \$	0 28,000
3	CONNECTION TO E 8-inch	XISTING MANHOL	.E 1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFILL 8-inch	0-8 feet deep 8-12 feet deep	10 215	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	1,020 26,660
5	TREE TUNNELING		145	lin. ft.	\$	211.00	\$	30,595
6	SEWER TELEVISIN	G FOR FINAL INSF	PECTION 850	lin. ft.	\$	3.00	\$	2,550
7	SEWER TESTING F	OR FINAL INSPEC	TION 850	lin. ft.	\$	3.00	\$	2,550
8	CULVERT REMOVA 12-inch	L AND REPLACEN	IENT 30	lin. ft.	\$	89.00	\$	2,670
9	RESTORATION OF AND PARKWAYS: Topsoil and so		1,656	sq.yd.	\$	15.00	\$	24,840
10	RESTORATION OF Bit. Concrete St		28	sq.yd.	\$	70.00	\$	1,960
11	REMOVE AND REP Bituminous Aggregate	LACE DRIVEWAYS	106	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	5,618 176
12	TREE REMOVAL AN	ID TRIMMING:			Lum	o Sum	\$	3,650

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	730
14	TRAFFIC CONTROL:			Lump Sum	\$	5,840
15	SPECIAL RESTORATION:			Lump Sum	\$	2,190
	SUBTOTAL				\$	227,029
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	70 0	lin. ft. lin. ft.	\$	\$ \$	<u>3,850</u> 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	7 0	each each	\$ 608.00 \$ 749.00	\$ \$	4,256
3	BUILDING SERVICE PLUG:	7	each	\$ 228.00	\$	1,596
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	78	sq.yd.	\$ 15.00	\$	1,170
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	10	lin. ft.	\$ 68.00	\$	680
	SUBTOTAL				\$	11,552
	TOTAL ESTIMATE OF CONS	STRUCTION COS	т		\$	238,600
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) iisition			47,700 47,700 20,000 36,400
	TOTAL OPINION OF PROBA	BLE COST			\$	390,400
				Cost per le	ot	55,770

Table 4.11-9Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersFairmount and 63rdPreliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Fairmount /	Avenue					
	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
63rd Street						
	UK-18	763.0	754.74	400	0.40%	8.3
			-	370	0.40%	
	UK-20	762.0	754.62			7.4

No.	Pay Item	Approxima Quantity	te		Unit ^{>} rice		Amount
	IE SEWER	Quantity					7 4110 4111
1	SANITARY SEWER (OPEN 0 8-inch 0-8 feet		lin. ft.	¢	82.00	¢	1,640
	8-12 feet	•	lin. ft.	<u>\$</u> \$	96.00	<u>\$</u> \$	106,56
2	SANITARY SEWER (AUGER): 80	lin. ft.	\$	302.00	\$	24,16
0							
3	SANITARY MANHOLES 48-inch 0-8 feet	deep 1	each	\$	5,300.00	\$	5,30
	8-12 feet	•	each		7,000.00	\$ \$	21,00
4	CONNECTION TO EXISTING						
4	8-inch	1 MANHOLE	each	\$	6,800.00	\$	6,80
_							
5	TRENCH BACKFILL 8-inch 0-8 feet	deep 0	lin. ft.	\$	102.00	\$	
	8-12 feet	•	lin. ft.	\$ \$	124.00	\$ \$	51,95
6	TREE TUNNELING	110	lin. ft.	\$	211.00	\$	23,21
7	SEWER TELEVISING FOR F						
,		1,210	lin. ft.	\$	3.00	\$	3,63
8	SEWER TESTING FOR FINA	L INSPECTION					
		1,210	lin. ft.	\$	3.00	\$	3,63
9	CULVERT REMOVAL AND R	REPLACEMENT					
	12-inch	0	lin. ft.	\$	89.00	\$	
10	RESTORATION OF LAWNS						
	AND PARKWAYS:						
	Topsoil and sod	1,578	sq.yd.	\$	15.00	\$	23,67
11	RESTORATION OF STREET	S:					
	Bit. Concrete Street	267	sq.yd.	\$	70.00	\$	18,69
12	REMOVE AND REPLACE DF	RIVEWAYS					
_	Bituminous	91	sq.yd.	\$	53.00	<u>\$</u> \$	4,82
	Aggregate	5	sq.yd.	\$	22.00	\$	11
13	TREE REMOVAL AND TRIM	MING:		Lump S	Sum	\$	2,92
				•			

No.	Pay Item	Approxima Quantity	Approximate		Unit Price		Amount
INU.	Fayitelli	Quantity			FILE		Amount
14	EROSION CONTROL			Lump	Sum	\$	730
15	TRAFFIC CONTROL:			Lump	o Sum	\$	5,840
16	SPECIAL RESTORATION:			Lump	o Sum	\$	1,825
	SUBTOTAL					\$	306,494
SERVICE	ELATERALS						
1	BUILDING SERVICE LINES						
	Near side	80	lin. ft.	\$	55.00	<u>\$</u> \$	4,400
	Far side	51	lin. ft.	\$	55.00	\$	2,805
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	8	each	\$	608.00	<u>\$</u> \$	4,864
	Far side	1	each	\$	749.00	\$	749
3	BUILDING SERVICE PLUG:	9	each	\$	228.00	\$	2,052
4	RESTORATION OF LAWNS						
	AND PARKWAYS:						
	Topsoil and sod	133	sq.yd.	\$	15.00	\$	1,995
5	RESTORATION OF STREETS:						
Ū	Bit. Concrete Street	20	sq.yd.	\$	69.00	\$	1,380
6	TRENCH BACKFILL						
Ū	0-8 feet deep	22	lin. ft.	\$	68.00	\$	1,496
	SUBTOTAL					\$	19,741
	TOTAL ESTIMATE OF CONS	STRUCTION COS	т			\$	326,200
			(000())				05.000
		Contingencies Engineering	(20%) (20%)				65,200 65,200
		Legal / Admin	(6%)				27,400
		Easement Acqu					35,200
	TOTAL OPINION OF PROBA	ABLE COST				\$	519,200
							F7 000
					Cost per lo	ot	57,690

Table 4.11-11Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersBlodgett and 62ndPreliminary Design Layout

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

No.	Pay Item		Approxima Quantity	te		Unit Price		Amount
MAINLIN	E SEWER							
1	SANITARY SEWER 8-inch	R (OPEN CUT) 0-8 feet deep 8-12 feet deep	85 65	lin. ft. lin. ft.	\$ \$	82.00 96.00	\$ \$	6,970 6,240
2	SANITARY MANHO 48-inch	DLES 0-8 feet deep 8-12 feet deep	1 0	each each	\$ \$	5,300.00 7,000.00	\$ \$	5,300 0
3	CONNECTION TO 8-inch	EXISTING MANHO	LE 1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFIL 8-inch	L 0-8 feet deep 8-12 feet deep	10 0	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	<u>1,020</u> 0
5	TREE TUNNELING	ì	0	lin. ft.	\$	211.00	\$	0
6	SEWER TELEVISI	NG FOR FINAL INS	PECTION 150	lin. ft.	\$	3.00	\$	450
7	SEWER TESTING	FOR FINAL INSPE	CTION 150	lin. ft.	\$	3.00	\$	450
8	CULVERT REMOVAL AND REPLACEMENT 12-inch		MENT 0	lin. ft.	\$	89.00	\$	0
9	RESTORATION OF AND PARKWAYS: Topsoil and s		217	sq.yd.	\$	15.00	\$	3,255
10	RESTORATION OF Bit. Concrete S		0	sq.yd.	\$	70.00	\$	0
11	REMOVE AND RE Bituminous Aggregate	PLACE DRIVEWAY	0	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	0
12	TREE REMOVAL A	AND TRIMMING:			Lum	p Sum	\$	730

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	0
14	TRAFFIC CONTROL:			Lump Sum	\$	730
15	SPECIAL RESTORATION:			Lump Sum	\$	730
	SUBTOTAL				\$	32,675
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	15 0	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	<u>825</u> 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	1 0	each each	\$ 608.00 \$ 749.00	\$ \$	608 0
3	BUILDING SERVICE PLUG:	1	each	\$ 228.00	\$	228
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	11	sq.yd.	<u>\$ 15.00</u>	\$	165
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 69.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$ 68.00	\$	0
	SUBTOTAL				\$	1,826
	TOTAL ESTIMATE OF CONS	STRUCTION COS	т		\$	34,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			6,900 6,900 2,900
	TOTAL OPINION OF PROBA	BLE COST			\$	51,200
				Cost per l	ot	51,200

Table 4.11-13Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary Sewers63rd and OsagePreliminary Design Layout

<u>Manh</u> 63rd Street	ole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
W-1-10	5-4 (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

No.	Pay Item		Approxima Quantity			Unit Price		Amount
INU.	Fayitem		Quantity			FILCE		Amount
MAINLIN	NE SEWER							
1	SANITARY SEWE	ER (OPEN CUT)						
	8-inch	0-8 feet deep	400	lin. ft.	\$	82.00	\$	32,800
		8-12 feet deep	500	lin. ft.	\$	96.00	\$	48,000
2	SANITARY MANH	HOLES						
	48-inch	0-8 feet deep	1	each	\$	5,300.00	<u>\$</u> \$	5,300
		8-12 feet deep	2	each	\$	7,000.00	\$	14,000
3	CONNECTION TO	D EXISTING MANHO	LE					
	8-inch		1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKF	ILL						
	8-inch	0-8 feet deep	76	lin. ft.	<u>\$</u> \$	102.00	<u>\$</u> \$	7,752
		8-12 feet deep	72	lin. ft.	\$	124.00	\$	8,928
5	TREE TUNNELIN	G	40	lin. ft.	\$	211.00	\$	8,440
6	SEWER TELEVIS	SING FOR FINAL INS	PECTION					
			900	lin. ft.	\$	3.00	\$	2,700
7	SEWER TESTING	G FOR FINAL INSPE	CTION					
			900	lin. ft.	\$	3.00	\$	2,700
8	CULVERT REMO	VAL AND REPLACE	MENT					
	12-inch		56	lin. ft.	\$	89.00	\$	4,984
9	RESTORATION C	OF LAWNS						
	AND PARKWAYS		4 0 0 0		•	4 = 00	•	10 500
	Topsoil and	sod	1,300	sq.yd.	\$	15.00	\$	19,500
10	RESTORATION C							
	Bit. Concrete	Street	43	sq.yd.	\$	70.00	\$	3,010
11		EPLACE DRIVEWAY						
	Bituminous			sq.yd.	\$	53.00	<u>\$</u> \$	3,021
	Aggregate		0	sq.yd.	\$	22.00	\$	0
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	1,460

No.	Pay Item	Approxima Quantity			Unit Price		Amount
13	EROSION CONTROL			Lump	Sum	\$	730
14	TRAFFIC CONTROL:			Lump	Sum	\$	5,110
	SUBTOTAL					\$	175,235
SERVICE	ELATERALS						
1	BUILDING SERVICE LINES Near side Far side	105 0	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	5,775
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	7 0	each each	\$ \$	<u>608.00</u> 749.00	<u>\$</u>	4,250
3	BUILDING SERVICE PLUG:	7	each	\$	228.00	\$	1,59
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	78	sq.yd.	\$	15.00	\$	1,17
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	69.00	\$	
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	68.00	\$	
	SUBTOTAL					\$	12,79
	TOTAL ESTIMATE OF CON	STRUCTION COS	т			\$	188,00
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) iisition				37,600 37,600 15,800 37,600
	TOTAL OPINION OF PROBA	ABLE COST				\$	316,600
					Cost per la	ht.	45 23

Cost per lot

45,230

Table 4.11-15Downers Grove Sanitary DistrictPossible Special Assessment for Sanitary SewersGrand AvenuePreliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Grand Avenu	<u>ne</u>					
	UK-25	761	751.98	480	0.40%	9.0
	UK-23	760.0	753.90	400	0.4070	6.1

No.	Pay Item		oxima Jantity			Unit Price		Amount
	E SEWER							
1	SANITARY SEWER (8-inch	0-8 feet deep	480	lin. ft.	\$	82.00	\$	39,360
2	SANITARY MANHOL 48-inch	ES 0-8 feet deep	1	each	\$	5,300.00	\$	5,300
3	CONNECTION TO EX 8-inch	XISTING MANHOLE	1	each	\$	6,800.00	\$	6,800
4	TRENCH BACKFILL							
		0-8 feet deep 9-12 feet deep	138 0	lin. ft. lin. ft.	\$ \$	102.00 124.00	\$ \$	14,076 0
5	TREE TUNNELING		20	lin. ft.	\$	211.00	\$	4,220
6	SEWER TELEVISING	G FOR FINAL INSPECTI	ON 480	lin. ft.	\$	3.00	\$	1,440
7	SEWER TESTING FO	OR FINAL INSPECTION	480	lin. ft.	\$	3.00	\$	1,440
8	CULVERT REMOVAL 12-inch	AND REPLACEMENT	40	lin. ft.	\$	89.00	\$	3,560
9	RESTORATION OF L AND PARKWAYS:		740		^	45.00	¢	40.005
	Topsoil and sod		713	sq.yd.	\$	15.00	\$	10,695
10	RESTORATION OF S Bit. Concrete Stre		0	sq.yd.	\$	70.00	\$	0
11	REMOVE AND REPL	ACE DRIVEWAYS						
	Bituminous Aggregate		57 0	sq.yd. sq.yd.	\$ \$	53.00 22.00	\$ \$	<u>3,021</u> 0

No.	Pay Item	Approxima Quantity			Unit Price		Amount
12	TREE REMOVAL AND TRIMMING	G:		Lump	Sum	\$	730
13	EROSION CONTROL			Lump	Sum	\$	730
14	TRAFFIC CONTROL:			Lump	Sum	\$	2,555
	SUBTOTAL					\$	93,927
SERVICE	ELATERALS						
1	BUILDING SERVICE LINES Near side Far side	60 204	lin. ft. lin. ft.	\$ \$	55.00 55.00	\$ \$	<u>3,300</u> 11,220
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4 4	each each	\$ \$	608.00 749.00	\$ \$	2,432 2,996
3	BUILDING SERVICE PLUG:	8	each	\$	228.00	\$	1,824
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	222	sq.yd.	\$	15.00	\$	3,330
5	RESTORATION OF STREETS: Bit. Concrete Street PCC Sidewalk	78 200	sq.yd. sq.ft.	\$ \$	69.00 14.00	\$ \$	5,382 2,800
6	TRENCH BACKFILL 0-8 feet deep	100	lin. ft.	\$	68.00	\$	6,800
	SUBTOTAL					\$	40,084
	TOTAL ESTIMATE OF CONS	TRUCTION COS	т			\$	134,000
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				26,800 26,800 11,300
	TOTAL OPINION OF PROBA	BLE COST				\$	198,900
					Cost per lo	ot	24,860

Table 4.11-17Downers Grove Sanitary DistrictPossible Special Assessments for Sanitary Sewers63rd Corridor Sub-AreaCost Summary

Sub-Basin:	Near Services	Far Services	Total Project Cost	Cost per lot
Carpenter and 63rd	8	0	\$ 226,900	\$ 28,360
Norfolk and Carpenter	4	4	\$ 177,200	\$ 22,150
Meadowlawn & Washington	20	8	\$ 922,600	\$ 32,950
63rd and Lyman	7	0	\$ 390,400	\$ 55,770
Fairmount and 63rd	8	1	\$ 519,200	\$ 57,690
Blodgett and 62nd	1	0	\$ 51,200	\$ 51,200
63rd and Osage	7	0	\$ 316,600	\$ 45,230
Grand Avenue	4	4	\$ 198,900	\$ 24,860
TOTALS	59	17	\$ 2,803,000	\$ 36,880
	7	6		

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 \$160,900, including contingency, engineering, and legal/administrative costs.

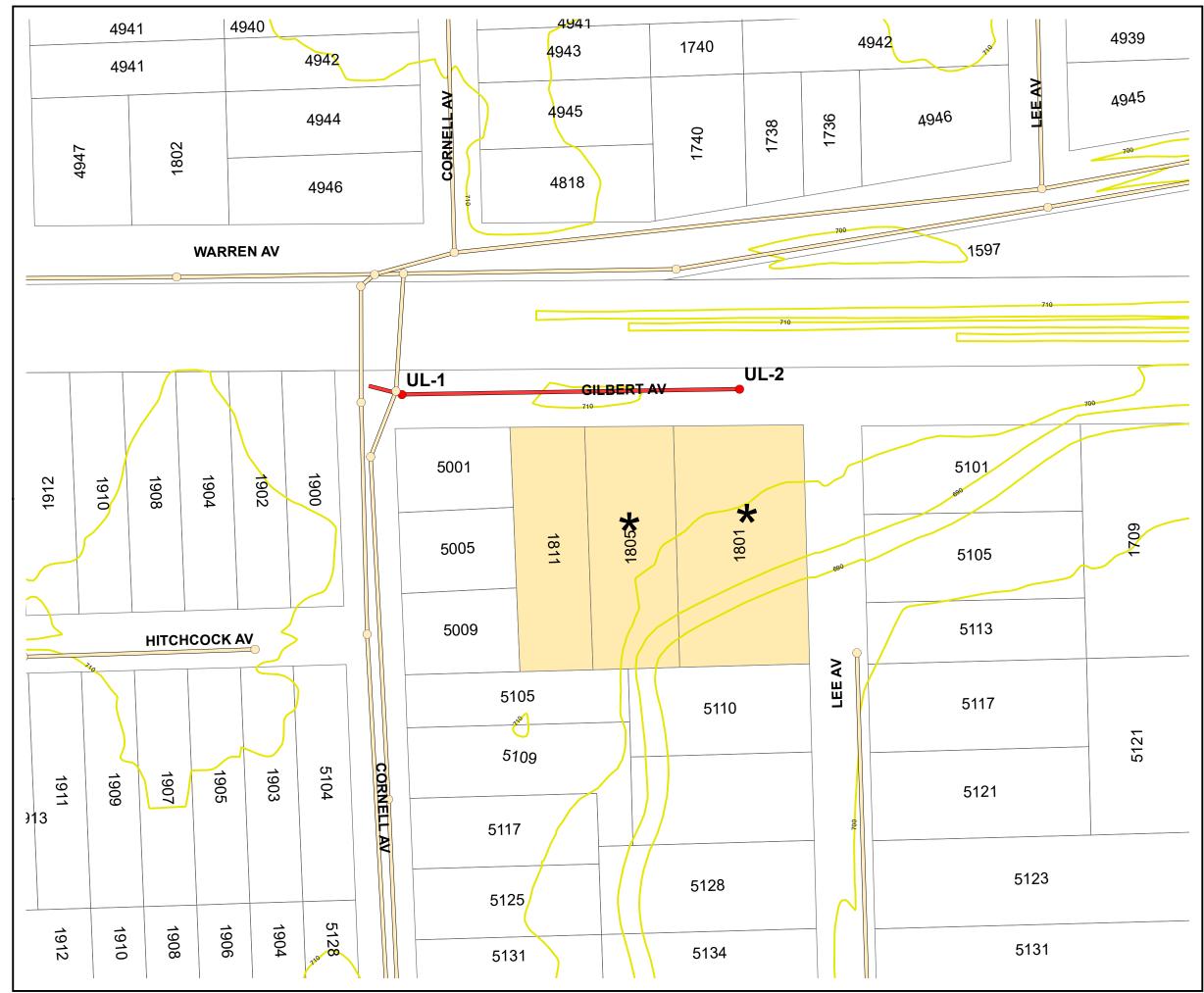
DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

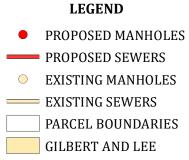
EXHIBIT 4.12

GILBERT AND LEE

POSSIBLE SEWER ALIGNMENT

APRIL 2022







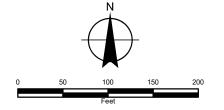


Table 4.12-1 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Gilbert & Lee Preliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Gilbert Street					
2-A-14-B-S (existing)	706.0	694.42	380	0.80%	11.6
UL-2	707.0	697.46	000	0.0070	9.5

No.	Pay Item		proximat Quantity	te		Unit Price		Amount
INO.	Fay item		Juaniity			FILLE		Amount
MAINLI	NE SEWER							
1	SANITARY SEWER (OI	PEN CUT)						
	8-inch 8-1	2 feet deep	380	lin. ft.	\$	96.00	\$	36,480
2	SANITARY MANHOLES	3						
	48-inch 8-1	2 feet deep	1	each	\$	7,000.00	\$	7,000
3	•••••••	STING MANHOLE						
	8-inch		1	each	\$	6,800.00	\$	6,800
4								
	8-inch 8-1	2 feet deep	25	lin. ft.	\$	124.00	\$	3,100
5	TREE TUNNELING		30	lin. ft.	\$	211.00	\$	6,330
6	SEWER TELEVISING F	OR FINAL INSPECT	ION					
			380	lin. ft.	\$	3.00	\$	1,140
7	SEWER TESTING FOR	FINAL INSPECTION	N					
			380	lin. ft.	\$	3.00	\$	1,140
8	CULVERT REMOVAL A	AND REPLACEMENT	-					
	12-inch		0	lin. ft.	\$	89.00	\$	0
9		WNS						
	AND PARKWAYS: Topsoil and sod		1.056	sq.yd.	\$	15.00	\$	15,840
	·		1,000	59.79.	Ψ	10.00	Ψ	10,040
10	RESTORATION OF ST Bit. Concrete Stree		q	sq.yd.	\$	70.00	\$	630
		•	0	54.74.	Ψ	10.00	Ψ	000

No.	Pay Item	Approxima Quantity	te	Unit Price		Amount
					<u> </u>	
11	EROSION CONTROL			Lump Sum	\$	1,095
12	TRAFFIC CONTROL:			Lump Sum	\$	6,570
	SUBTOTAL				\$	86,980
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	90 0	lin. ft. lin. ft.	\$55.00 \$55.00	\$ \$	4,950 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	3 0	each each	\$ 608.00 \$ 749.00	\$ \$	<u>1,824</u> 0
3	BUILDING SERVICE PLUG:	3	each	\$ 228.00	\$	684
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	17	sq.yd.	<u>\$ 15.00</u>	\$	255
5	RESTORATION OF STREETS: Bit. Concrete Street PCC Sidewalk	50 150	sq.yd. sq.ft.	\$ 69.00 \$ 14.00	\$ \$	3,450 2,100
6	TRENCH BACKFILL 0-8 feet deep	120	lin. ft.	\$ 68.00	\$	8,160
	SUBTOTAL				\$	21,423
	TOTAL ESTIMATE OF CONS	STRUCTION COST	г		\$	108,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			21,700 21,700 9,100
	TOTAL OPINION OF PROBA	BLE COST			\$	160,900
				Cost per	ot	53,630

Table 4.13-1 Downers Grove Sanitary District Unsewered Area Plan Summary of Estimated Costs for Unsewered Areas

Summary of Estimated Costs for Unsewered Areas	5									Number of	Cost pe
	<u>Ta</u>	ables	<u>Page</u>	<u>Construction</u>	<u>Contingency</u>	Engineering	Legal/Admin	<u>Easements</u>	Total	<u>Services</u>	<u>Service</u>
4.1 73rd and Webster			11								
73rd and Webster	4.1-1	4.1-2	13-15	\$ 647,300 \$	129,500 \$	129,500 \$	54,400 \$	39,800 \$	1,000,500	25	\$ 40,020
4.2 Downers Grove Park			16								
Katrine-Maple (North)	4.2-1	4.2-2	20-22	\$ 614,400 \$	122,900 \$	122,900 \$	51,600 \$	34,400 \$	946,200	25	\$ 37,850
Inverness-Lomond-Elinor-Maple (North)	4.2-3	4.2-4	23-26	\$ 1,954,000 \$	390,800 \$	390,800 \$	164,100 \$	112,100 \$	3,011,800	72	\$ 41,83
Inverness-Belmont (North)	4.2-5	4.2-6	27-29	\$ 133,000 \$	26,600 \$	26,600 \$	11,200 \$	- \$	197,400	6	\$ 32,90
Katrine-College (South)	4.2-7	4.2-8	30-32	\$ 441,500 \$	88,300 \$	88,300 \$	37,100 \$	- \$	655,200	27	\$ 24,27
Lomond-College (South)	4.2-9	4.2-10	33-35	\$ 663,800 \$	132,800 \$	132,800 \$	55,800 \$	- \$	985,200	29	\$ 33,97
Elinor-College (South)	4.2-11	4.2-12	36-38	\$ 281,100 \$	56,200 \$	56,200 \$	23,600 \$	- \$	417,100	9	\$ 46,34
Janes-College (South)	4.2-13	4.2-14	39-41	\$ 299,700 \$	59,900 \$	59,900 \$	25,200 \$	- \$	444,700	13	\$ 34,21
Chase-Hobson-Belmont (South)	4.2-15	4.2-16	42-44	\$ 481,000 \$	96,200 \$	96,200 \$	40,400 \$	- \$	713,800	15	\$ 47,59
4.3 Downers Grove Gardens			46								
Janes-Leonard-Chase-Puffer (North)	4.3-1	4.3-2	52-54	\$ 957,700 \$	191,500 \$	191,500 \$	80,400 \$	- \$	1,421,100	68	\$ 20,90
Janes-Leonard-Chase-Puffer (South)	4.3-3	4.3-4	55-57	\$ 1,804,100 \$	360,800 \$	360,800 \$	151,500 \$	- \$	2,677,200	129	\$ 20,75
Belmont Road (Southwest)	4.3-5	4.3-6		\$ 414,800 \$	83,000 \$	83,000 \$	34,800 \$	64,700 \$	680,300	25	\$ 27,21
Belmont Road (East)	4.3-7	4.3-8	61-63	\$ 799,400 \$	159,900 \$	159,900 \$	67,200 \$	149,000 \$	1,335,400	52	\$ 25,68
Pershing Avneue (South)	4.3-9	4.3-10		\$ 871,300 \$	174,300 \$	174,300 \$	73,200 \$	- \$	1,293,100	64	\$ 20,20
Woodward and 63rd Street	4.3-11	4.3-12	67-69	\$ 180,100 \$	36,000 \$	36,000 \$	15,100 \$	18,100 \$	285,300	17	\$ 16,78
Lee and Boundry (South)	4.3-13	4.3-14		\$ 546,600 \$	109,300 \$	109,300 \$	45,900 \$	- \$	811,100	39	\$ 20,80
Springside Avenue (South)	4.3-15	4.3-16	73-75	\$ 230,400 \$	46,100 \$	46,100 \$	19,400 \$	- \$	342,000	14	\$ 24,43
Springside-Jefferson-Downers (North)	4.3-17	4.3-18		\$ 1,079,700 \$	215,900 \$	215,900 \$	90,700 \$	- \$	1,602,200	52	\$ 30,81
Pershing-Woodward-Maple (North)	4.3-19	4.3-20		\$ 2,043,800 \$	408,800 \$	408,800 \$	171,700 \$	42,800 \$	3,075,900	104	\$ 29,58
Sherman Avenue (North)	4.3-21	4.3-22		\$ 922,400 \$	184,500 \$	184,500 \$	77,500 \$	- \$	1,368,900	54	\$ 25,35
Lee Avenue (North)	4.3-23	4.3-24		\$ 1,061,900 \$	212,400 \$	212,400 \$	89,200 \$	14,600 \$	1,590,500	54	\$ 29,45
4.4 Fairhaven Court			89								
Fairhaven Court	4.4-1	4.4-2	91	\$ 253,700 \$	50,700 \$	50,700 \$	21,300 \$	43,700 \$	420,100	10	\$ 42,01
4.5 Burlington Highlands			94								
Morton and Downers	4.5-1	4.5-2		\$ 1,004,200 \$	200,800 \$	200,800 \$	84,300 \$	16,600 \$	1,506,700	39	\$ 38,63
40th and Seely (North)	4.5-3	4.5-4	102-104	\$ 444,000 \$	88,800 \$	88,800 \$	37,300 \$	- \$	658,900	21	\$ 31,38
40th and Northcott	4.5-5	4.5-6	105-107	310,900 \$	62,200 \$	62,200 \$	26,100 \$	- \$	461,400	14	\$ 32,96
Virginia-Seely-Janet-Downers	4.5-7	4.5-8	108-110	\$ 839,600 \$	167,900 \$	167,900 \$	70,500 \$	- \$	1,245,900	43	\$ 28,97
Belle Aire and Venard	4.5-9	4.5-10	111-113	\$ 661,300 \$	132,300 \$	132,300 \$	55,600 \$	24,700 \$	1,006,200	21	\$ 47,91
Vernard Road (North)	4.5-11	4.5-12	114-116	\$ 272,500 \$	54,500 \$	54,500 \$	22,900 \$	- \$	404,400	10	\$ 40,44
Vernard Road (South) (completed)	4.5-13	4.5-14	117-119	- \$	- \$	- \$	- \$	- \$	-	0	\$ -
Virginia Avenue (West)	4.5-15	4.5-16	120-122	110,300 \$	22,100 \$	22,100 \$	9,300 \$	- \$	163,800	6	\$ 27,30
Lacey-Carol-Northcott	4.5-17	4.5-18	123-125	49,700 \$	9,900 \$	9,900 \$	4,200 \$	- \$	73,700	1	\$ 73,70
Lacey and Janet	4.5-19	4.5-20	126-128	224,400 \$	44,900 \$	44,900 \$	18,900 \$	- \$	333,100	14	\$ 23,79
Ogden-Lacey-Grant-Lee (South)	4.5-21	4.5-22	129-131	1,725,100 \$	345,000 \$	345,000 \$	144,900 \$	133,600 \$	2,693,600	18	\$ 149,64

Table 4.13-1 Downers Grove Sanitary District Unsewered Area Plan Summary of Estimated Costs for Unsewered Areas

Summary of Estimated Costs for Unsewered Area	IS									Number of	Cost per
	Tab	oles	Page	Construction	<u>Contingency</u>	Engineering	Legal/Admin	<u>Easements</u>	<u>Total</u>	Services	Service
4.6 Golf Addition			133								
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		\$ 259,200 \$	51,800 \$	51,800 \$	21,800 \$	30,400 \$	415,000	2	 N/A
Drendel and Granville (South)	4.6-7	4.6-8		\$ 601,100 \$	120,200 \$	120,200 \$	50,500 \$	18,600 \$	910,600	28	\$ 32,520
Burlington and Walnut (South)	4.6-9	4.6-10		\$ 150,800 \$	30,200 \$	30,200 \$	12,700 \$	- \$	223,900	2	 N/A
Puffer North of Prairie	4.6-11	4.6-12	152-154	\$ 461,800 \$	92,400 \$	92,400 \$	38,800 \$	10,400 \$	695,800	16	\$ 43,490
4.7 Florence Avenue			156								
Florence Avenue	4.7-1	4.7-2	158-160	\$ 180,400 \$	36,100 \$	36,100 \$	15,200 \$	- \$	267,800	11	\$ 24,350
4.8 Meyers Road and 31st Street			161								
Meyers Road (North)	4.8-1	4.8-2	164-166	\$ 163,000 \$	32,500 \$	32,500 \$	- \$	34,900 \$	262,900	3	 N/A
Meyers Road (South)	4.8-3	4.8-4	167-170	\$ 200,400 \$	40,100 \$	40,100 \$	- \$	35,200 \$	315,800	4	 N/A
4.9 57th and Grant			171								
57th and Grant (completed)	4.9-1	4.9-2	173-175	\$ - \$	- \$	- \$	- \$	- \$	-	0	\$ -
<i>4.10 60th and Cumnor</i>			176								
59th (West)	4.10-1	4.10-2	180-182	\$ 267,200 \$	53,400 \$	53,400 \$	22,400 \$	- \$	396,400	15	\$ 26,430
59th (East)	4.10-3	4.10-4		\$ 232,200 \$	46,400 \$	46,400 \$	19,500 \$	- \$	344,500	4	\$ 86,130
60th (West)	4.10-5	4.10-6		\$ 162,700 \$	32,500 \$	32,500 \$	13,700 \$	- \$	241,400	11	\$ 21,950
60th and Cumnor	4.10-7	4.10-8		\$ 110,400 \$	22,100 \$	22,100 \$	9,300 \$	- \$	163,900	7	\$ 23,410
60th (East)	4.10-9	4.10-10	192-194	\$ 59,500 \$	11,900 \$	11,900 \$	5,000 \$	- \$	88,300	3	\$ 29,430
Cumnor (South)	4.10-11	4.10-12	195-197	\$ 82,600 \$	16,500 \$	16,500 \$	6,900 \$	- \$	122,500	2	\$ 61,250
61st and Cumnor	4.10-13	4.10-14	198-200	\$ 286,300 \$	57,300 \$	57,300 \$	24,100 \$	- \$	425,000	12	\$ 35,420
61st (East)	4.10-15	4.10-16	201-203	\$ 63,500 \$	12,700 \$	12,700 \$	5,300 \$	- \$	94,200	3	\$ 31,400
4.11 63rd Corridor			205								
Carpenter and 63rd	4.11-1	4.11-2	209-211	\$ 152,900 \$	30,600 \$	30,600 \$	12,800 \$	- \$	226,900	8	\$ 28,360
Norfolk and Carpenter	4.11-3	4.11-4	212-214	\$ 119,400 \$	23,900 \$	23,900 \$	10,000 \$	- \$	177,200	8	\$ 22,150
Meadowlawn and Washington	4.11-5	4.11-6	215-217	\$ 605,100 \$	121,000 \$	121,000 \$	50,800 \$	24,700 \$	922,600	28	\$ 32,950
63rd and Lyman	4.11-7	4.11-8	218-220	\$ 238,600 \$	47,700 \$	47,700 \$	20,000 \$	36,400 \$	390,400	7	\$ 55,770
Fairmount and 63rd	4.11-9	4.11-10	221-223	\$ 326,200 \$	65,200 \$	65,200 \$	27,400 \$	35,200 \$	519,200	9	\$ 57,690
Blodgett and 62nd	4.11-11		224-226	34,500 \$	6,900 \$	6,900 \$	2,900 \$	- \$	51,200	1	\$ 51,200
63rd and Osage		4.11-14	227-229	188,000 \$	37,600 \$	37,600 \$	15,800 \$	37,600 \$	316,600	7	\$ 45,230
Grand Avenue	4.11-15	4.11-16	230-232	\$ 134,000 \$	26,800 \$	26,800 \$	11,300 \$	- \$	198,900	8	\$ 24,860
4.12 Gilbert and Lee			234								
Gilbert and Lee	4.12-1	4.12-2	236-238	\$ 108,400 \$	21,700 \$	21,700 \$	9,100 \$	- \$	160,900	3	\$ 53,630
Totals				\$ 27,511,900 \$	5,502,300 \$	5,502,300 \$	2,280,600 \$	957,500 \$	41,754,600	1,292	\$ 32,318

BOARD OF LOCAL IMPROVEMENTS DOWNERS GROVE SANITARY DISTRICT

PROPOSED AGENDA April 19, 2022 6:45 p.m.

- I. Approve Minutes of March 15, 2022
- II. Public Comment
- III. P710: 2657 Ogden Avenue, Downers Grove Proposed Hotel with 122 Rooms
- IV. P711: 1042 Norfolk Street, Downers Grove Proposed Sanitary Main Extension

BOARD OF LOCAL IMPROVEMENTS MINUTES

March 15, 2022

A meeting of the Board of Local Improvements of the Downers Grove Sanitary District was held on March 15, 2022. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were Board Members Kenneth J. Rathje and Robert T. Jungwirth and General Manager Amy R. Underwood, Administrative Supervisor Carly Shaw, Sewer Construction Supervisor Keith W. Shaffner, Information Coordinator Alyssa J. Caballero, and Attorney for the District Michael G. Philipp, Trustees Wally D. Van Buren, Amy E. Sejnost and Jeremy M. Wang. President Rathje called the meeting to order at 6:45 p.m. Board of Local Improvements Member Mark J. Scacco was absent.

Minutes of December 21, 2021 Meeting

A motion was made by Jungwirth seconded by Rathje approving the minutes of the meeting held on December 21, 2021. The motion carried.

Public Comment - None

P709-7135 Dunham Road, Downers Grove

The Board reviewed a request for sanitary sewer service from John Kapovich, owner, for six single family homes on a six-lot subdivision with a combined gross acreage of 2.4 acres at 7135 Dunham Road, Downers Grove. These properties are within the District's Facilities Planning Area but are not within the District's current corporate limits. The proposed use will generate an estimated wastewater flow of 2,100 gallons per day or a density of 8.75 PE per acre which is below the District design flow allocation of 10 PE per acre for residential parcels. Service can be provided to the four houses on Matthias by extension from the District's existing sanitary sewer main located to the North in front of the address 7121 Matthias Road. The two homes on Dunham Road will be served by the existing sanitary sewer main in the East right-of-way of Dunham Road. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. Rathje inquired if the sanitary sewer main line on Dunham Road is covered by an easement. Staff noted that the District has 15-foot easement for the sanitary main on Dunham Road. A motion was made by Jungwirth seconded by Rathje approving this request subject to annexation, receipt of Illinois EPA permit, construction of sewer extension, payment of all fees per ordinance and compliance with all District ordinances. The motion carried. (Votes recorded: Ayes-Rathje and Jungwirth.)

Upon a motion by Jungwirth seconded by Rathje, the meeting was adjourned at 6:55 p.m. The motion carried.

Approved: April 19, 2022

President

Attest:

Clerk

BOARD OF LOCAL IMPROVEMENTS April 19, 2022 STAFF BRIEFING

P710: 2657 Ogden Avenue, Downers Grove, IL

REQUEST:

HP WS-X Downers Grove, LLC, Owner, is requesting sanitary sewer service for a 122 room hotel on a lot with a gross acreage of 2.4 acres. This property is within the District's Facilities Planning Area (FPA) but is not within the District's current corporate limits. The proposed hotel will generate an estimated wastewater flow of 8,000 gallons per day or a density of 33 PE per acre, which is above the District design flow allocation of 25 PE per acre for commercial parcels. Additional Trunk Sewer Service Charge will be collected for the overage of the flow allocation. This is based on a flow factor supplied by the builder based on existing similar hotels they have constructed recently.

SUMMARY:

Service can be provided to the property by the existing sanitary sewer main located in the South parkway in front of the property. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to annexation, receipt of an Illinois EPA permit, payment of all fees per ordinance and construction of the necessary sewer extension compliant with District ordinances. P710

DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET DOWNERS GROVE, ILLINOIS 60515 (630) 969-0664

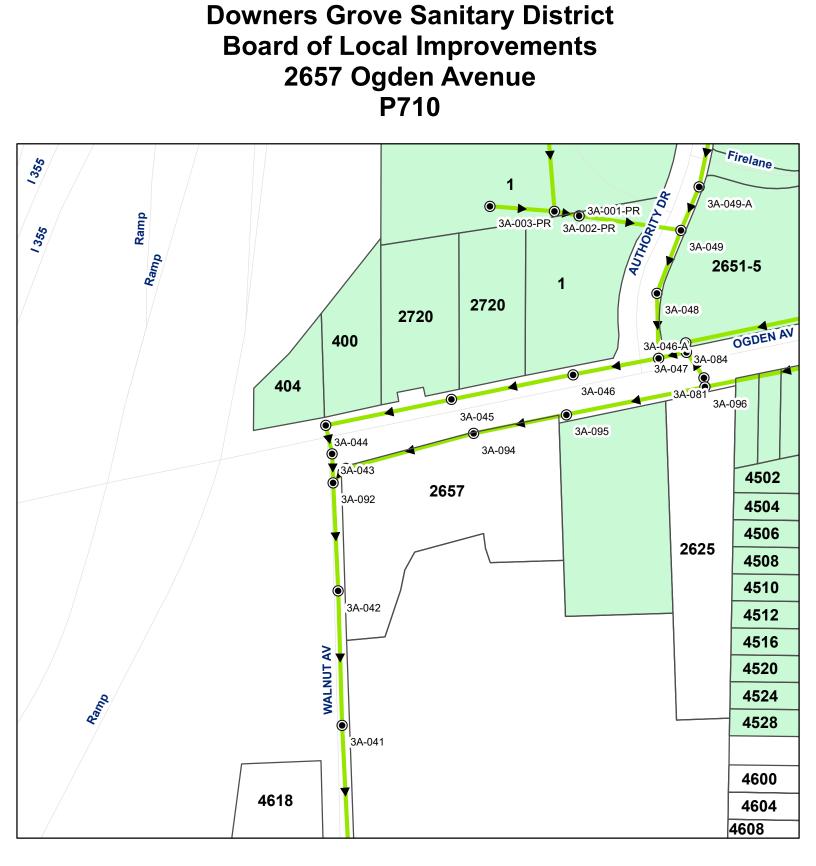
DATE _____

SANITARY SEWER SERVICE REQUEST

Location		
Legal Description Lot		
		P.I.N
Name of Owner on Deed		Phone No
Developer		Phone No.
Name of Person Making Reques	st	Phone No
E mail:		
		request; please be sure address is legible)
This Applicant's Interest in This		er/Developer/Beneficiary Land Trust, etc.)
Number of Acres Involved	Present Zoni	ing Proposed Zoning
Is the Property (A) Improved		(B) Vacant
(A) If Improved, Describe Imp	rovements	
Number & Type of Units		
(B) If Vacant or Additional Imp	provements or Remodel	ling Are Proposed, Describe
	Nı	umber & Type of Units
Estimated Starting Date of Proje	ect	
If You Propose to Annex to a Co	ommunity, Which One	
<u>NOTE</u> : If this request is for		
 a multiple family development a restaurant, indicate the seatin a commercial project, indicate an office/warehouse or light m 	g capacity and hours of op the floor area.	peration. If drive-up is proposed, give the number of orders per da

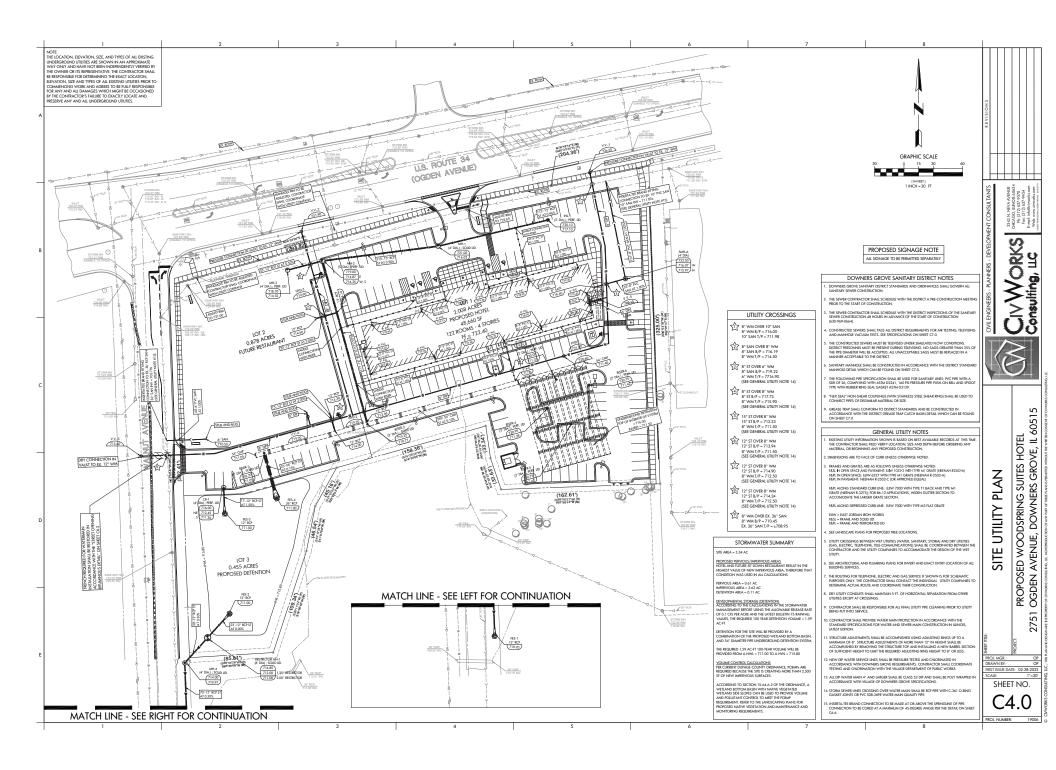
- an office/research development, indicate the floor area and number of employees.
- commercial/industrial buildings(s), provide an estimate of wastewater flow in gallons per day

****SERVICE REQUEST APPROVALS ARE VALID FOR SIX MONTHS****









BOARD OF LOCAL IMPROVEMENTS April 19, 2022 STAFF BRIEFING

P711: 1042 Norfolk Street, Downers Grove, IL

REQUEST:

Pak Realty LLC, Owner, is requesting sanitary sewer service for one single family home on one lot with a gross acreage of .36 acre at the above location. This property is within the District's Facilities Planning Area (FPA) but is not within the District's current corporate limits. The proposed single family home will generate an estimated wastewater flow of 350 gallons per day or a density of 9.7 PE per acre, which is below the District design flow allocation of 10 PE per acre for residential parcels. This is based on a flow factor of 3.5 PE per single family home.

SUMMARY:

Service can be provided to the property on Norfolk by extension from the District's existing sanitary sewer main located to the West at the Southwest corner of Carpenter and Norfolk. The proposed sewer design complies with the Sanitary District's Unsewered Area Plan. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommends approval of this request subject to annexation, receipt of an Illinois EPA permit, payment of all fees per ordinance and construction of the necessary sewer extension compliant with District ordinances.

DATE	04/	05	/22
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DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET DOWNERS GROVE, ILLINOIS 60515 (630) 969-0664

SANITARY SEWER SERVICE REQUEST

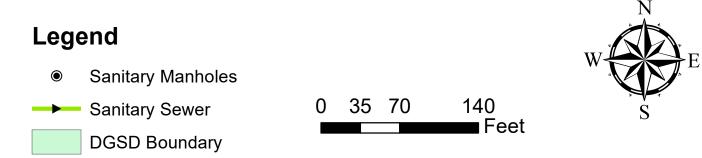
Location 1042 Norfolk St Dow	ners Grove IL 6051	6
Legal Description Lot 15	Block 5	Subdivision West half of the northwest quarter
of section 20, Township 38 n	orth, Range 11, Eas	st of th P.I.N. 0920109008
Name of Owner on Deed Pak Re	alty LLC	Phone No. (309) 868-8776
Developer Francisco Velasque	Z	Phone No. (630) 397-1248
Name of Person Making Request _	Ahmed Soomro	Phone No. (309) 868-8776
_{E mail:} pakrealtyllc19@gmail.	com	
Address (we will be sending inform 4623 Eberly Ave, Apt 1, Broc	0 0	quest; please be sure address is legible)
This Applicant's Interest in This Pr	operty Manager (Owner/I	Developer/Beneficiary Land Trust, etc.)
Number of Acres Involved 0.25	Present Zoning	Proposed Zoning
Is the Property (A) Improved		(B) Vacant vacant
(A) If Improved, Describe Improv	/ements	
Number & Type of Units One		
(B) If Vacant or Additional Impro	wements or Remodeling	g Are Proposed, Describe new roof,
new electrical, new HVAC		
	Num	ber & Type of Units
Estimated Starting Date of Project	5/1/2022	
If You Propose to Annex to a Com	munity, Which One	
<u>NOTE</u> : If this request is for		
 a multiple family development, in a restaurant, indicate the seating c a commercial project, indicate the an office/warehouse or light many 	apacity and hours of opera floor area.	ation. If drive-up is proposed, give the number of orders per day.

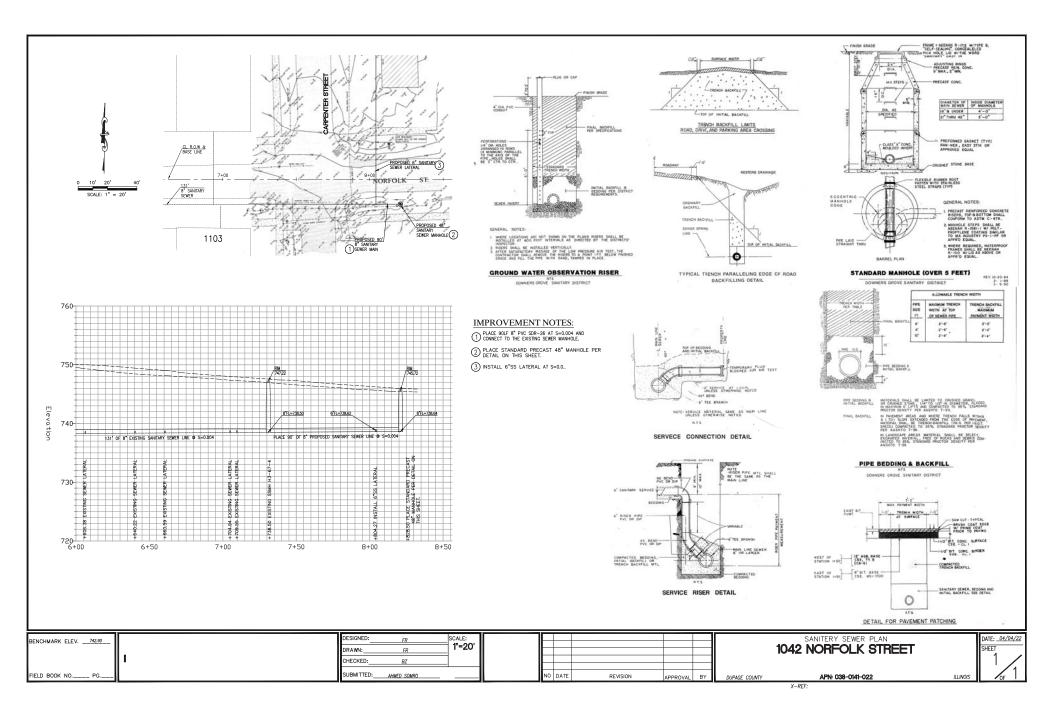
- e/warehouse or light manufacturing development, indicate the floor area. an on
- an office/research development, indicate the floor area and number of employees. ٠
- commercial/industrial buildings(s), provide an estimate of wastewater flow in gallons per day •

****SERVICE REQUEST APPROVALS ARE VALID FOR SIX MONTHS****

Downers Grove Sanitary District Board of Local Improvements 1042 Norfolk Street P711







DOWNERS GROVE SANITARY DISTRICT

<u>M E M O</u>

TO: Board of Trustees

FROM: Carly Shaw Administrative Supervisor

DATE: April 11, 2022

RE: Administrative Services Progress Report - March 2022

ADMINISTRATIVE

Personnel

Michelle Jasso has joined the District as the new Full-Time Accounting Assistant. Her first day of employment is 4/4/2022.

DuPage County Reporting

Amy, 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 2022-23, approved Five-Year Plan for Fiscal Years 2022-23 to 2026-27 and the adopted Ordinance ORD No. 22-01 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.

Group Health Insurance Renewal

There is a separate memo in the Board Packet regarding this item.

Reimbursement Program for Sanitary Sewer Backups Caused by Public Sanitary Sewer Blockages

There are two BURP claims in process and two that have picked up the packet but have not yet filed a claim.

An updated BURP summary is attached for your information.

Technology Update

The cloud-based phone system continues to be on hold at this time. We would like to explore other options that might be available and more cost effective for the District.

Concentric Integration and Kazys Motekaitis of Exodus Technology Services continue to provide IT support services. The firewall is set to be installed April 12. We can then implement multi-factor authentication as suggested by our insurance agent.

The customer billing portal project with CityInsight is still in process. They plan to do their internal testing of the portal in early May. We have made the decision to wait on the launch date until testing is in progress and proves it is ready for use for the public. CityInsight has sent us promotional materials to use on our website and social media, as well as signs for the office when we are ready to go live. In the meeting held on March 11, it was decided to schedule bi-weekly meetings. The second meeting on March 25 was cancelled as there was nothing new to report at that time. The next meeting is scheduled to take place on April 8.

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:

109
2,126
\$144,270.85
129
91
36
\$568.20
\$3,512.28
\$110.94
7,017
2,991
3,698
2,178

<u>FINANCIAL</u>

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.

The First Midwest Bank CD matures on April 7, 2022 at a current interest rate of .15%. Illinois Funds is showing an increase in interest reporting .418% recently. Staff will be closing the CD at First Midwest Bank and moving the funds in to the Illinois Funds account. As interest rates continue to increase in 2022, we will reinvest these funds when we are able to find a viable option. Also worth noting is that our money market account with Luana Savings is reporting interest at .75%, up from .6% in the previous month.

User Billing

Detailed billing information is attached to this report.

cc: WDVB, AES, JMG, KJR, RTJ, MJS, MGP

REIMBURSEMENT PROGRAM FOR SANITARY SEWER BACKUPS CAUSED BY PUBLIC SANITARY SEWER BLOCKAGES

11/12/21

STREET ADDRESS	СІТҮ	NAME	DATE OF BACKUP	DATE CLAIM RECEIVED	AMOUNT OF CLAIM	ADJUSTER RECOMMENDATION	AMOUNT PAID	DATE PAID	ADJUSTER FEE	STATUS
3815 HIGHLAND AVENU	E DOWNERS GROVE	GOOD SAMARITAN HOSPITAL	4/2/2021	TIME LIM	IT FOR CLAIN	I EXPIRED.				CLOSED
2020 PRAIRIE AVENUE	DOWNERS GROVE	CREWSE	6/28/2021	TIME LIM	IT FOR CLAIN	I EXPIRED.				OPEN
5712 AUBREY TERRACE	DOWNERS GROVE	WHEELER	8/19/2021	9/17/2021	755.00	PAYMENT SUGGESTED - \$755.00	755.00	10/1/2021	481.30	CLOSED
213 GRANT STREET	DOWNERS GROVE	GREATHOUSE	10/25/2021	10/29/2021	3,800.00	PAYMENT SUGGESTED - \$2,500.00	2,500.00	12/3/2021	576.80	CLOSED
5100 FAIRVIEW AVENU	DOWNERS GROVE	JJC PROPERTIES GROUP (OWNER)	2/8/2022							OPEN
5100 FAIRVIEW AVENU	DOWNERS GROVE	GRAF	2/8/2022	4/7/2022	278.64	PAYMENT SUGGESTED - \$278.64			247.00	OPEN
745 CHICAGO AVENUE	DOWNERS GROVE	FICHT	3/11/2022		4,507.72					
5812 PLYMOUTH STREE	T DOWNERS GROVE	KENNY	3/24/2022	3/30/2022	1,732.36	PAYMENT SUGGESTED - \$1,643.33			243.00	OPEN
	TOTAL NUMBER OF BACKUPS (SINCE PROGRAM START IN 1997 TOTAL NUMBER OF CLAIMS RECEIVED (SINCE PROGRAM STAR TOTAL AMOUNT OF CLAIMS RECEIVED (SINCE PROGRAM STAR TOTAL AMOUNT OF CLAIMS PAID (SINCE PROGRAM START II TOTAL AMOUNT PAID TO ADJUSTER (SINCE PROGRAM START II	Г IN 1997) Г IN 1997) 997)	248	124	\$165,884.50		\$94,343.23		\$19,977.45	
	NUMBER OF CLAIMS (MOST RECENT 24 MOS) AVERAGE AMOUNT OF CLAIM (MOST RECENT 24 MOS) AVERAGE AMOUNT OF PAYMENT (MOST RECENT 24 MOS) AVERAGE AMOUNT PAID TO ADJUSTER PER CLAIM (MOST RECI	ENT 24 MOS)		4	\$1,947.81		\$1,568.75		\$264.53	

To: Amy Underwood, General Manager From: Marc Majewski, Operations Supervisor Re: Month of March 2022, WWTC Operations Report. Date: April 12, 2022

Attached please find detailed operating data and our monthly report to Illinois EPA for March. We had no excursions over our permit limits in the month of March.

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 14.06 MGD. Total precipitation at the WWTC was 4.26". There were 2 excess flow events, covering 4 days, during the month of March. Outfall C01 was used during one of these events. There was also one day with discharge through Outfall 002 when the plant was not receiving excess flow. (This is due to the Outfall 001 pipe having reduced capacity due to root intrusion.) There were 26 days of discharge over 11 MGD.
- Activated sludge: Operating performance was ok throughout the month of March. The rain and thaw with higher flows have had a negative impact on our activated sludge. This has caused an increase in ammonias and decrease in sludge settleability, typical of this time of year.
- Anaerobic Digesters: Pumped a total of 1,356,123 gallons of primary sludge, 236,640 gallons of TWAS, and 364,438 gallons of waste grease for a total of 1,957,201 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 47.3 % for March.
- Digester gas: Total digester gas production was 6,845,494 cubic feet. 66,652 cubic feet of gas was used for anaerobic digestion heat, and 6,108,607 cubic feet was used in the CHP facilities. 64,223 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 606,012 cubic feet of gas.
- Bio-solids: Bio-mechanics distributed 42 dry tons of bio-solids in the month of March.
- Electricity: Overall net energy from ComEd was: -53,003 KW-Hrs. Electricity Generated by the CHP system was 488,714 KW-Hrs. Monthly net energy (including natural gas usage) was -23 MW-Hrs for the month of March.

	WWTC Rainfall	B01 Parshall Flume Flow Max	B01 Parshall Flume Flow Min	B01 Parshall Flume Flow Avg (Daily Total)	A01 Parshall Flume Flow Max	A01 Parshall Flume Flow Avg (Daily Total)	C01 Int Clar #1 Flow Max	C01 Int Clar #1 Flow Avg (Daily Total)	Outfall 003 Flow Max	Outfall 003 Flow Avg (Daily Total)	Total Flow Leaving WWTC Avg (Daily Total)	Total Flow Leaving WWTC Max MGD	002 Outfall Flow Avg (Daily Total)
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
3/1/2022	0.00	16.15	9.52	12.30	0.00	0.00	0.00	0.00	0.00	0.00	12.30	16.15	0.00
3/2/2022	0.00	15.46	8.69	12.17	0.00	0.00	0.00	0.00	0.00	0.00	12.17	15.46	0.00
3/3/2022	0.00	15.28	9.21	11.68	0.00	0.00	0.00	0.00	0.00	0.00	11.68	15.28	0.00
3/4/2022	0.00	14.75	5.16	11.21	0.00	0.00	0.00	0.00	0.00	0.00	11.21	14.75	0.00
3/5/2022	0.20	14.69	8.23	11.13	0.00	0.00	0.00	0.00	0.00	0.00	11.13	14.69	0.00
3/6/2022	0.00	15.71	9.91	13.27	0.00	0.00	0.00	0.00	0.00	0.00	13.27	15.71	0.00
3/7/2022	0.36	21.61	10.43	17.66	0.00	0.00	0.00	0.00	0.00	0.00	17.66	21.61	0.00
3/8/2022	0.11	20.84	13.76	17.55	0.00	0.00	0.00	0.00	0.00	0.00	17.55	20.84	0.00
3/9/2022	0.00	19.62	13.47	15.25	0.00	0.00	0.00	0.00	0.00	0.00	15.25	19.62	0.00
3/10/2022	0.00	15.77	11.27	13.38	0.00	0.00	0.00	0.00	0.00	0.00	13.38	15.77	0.00
3/11/2022	0.08	15.51	11.27	13.38	0.00	0.00	0.00	0.00	0.00	0.00	13.38	15.51	0.00
3/12/2022	0.00	15.21	9.58	12.89	0.00	0.00	0.00	0.00	0.00	0.00	12.89	15.21	0.00
3/13/2022	0.00	14.63	8.56	10.83	0.00	0.00	0.00	0.00	0.00	0.00	10.83	14.63	0.00
3/14/2022	0.00	15.37	7.75	10.21	0.00	0.00	0.00	0.00	0.00	0.00	10.21	15.37	0.00
3/15/2022	0.00	14.53	6.97	10.05	0.00	0.00	0.00	0.00	0.00	0.00	10.05	14.53	0.00
3/16/2022	0.00	15.35	6.82	10.11	0.00	0.00	0.00	0.00	0.00	0.00	10.11	15.35	0.00
3/17/2022	0.00	15.16	6.57	9.56	0.00	0.00	0.00	0.00	0.00	0.00	9.56	15.16	0.00
3/18/2022	0.62	21.81	6.40	12.37	0.00	0.00	0.00	0.00	0.00	0.00	12.37	21.81	0.00
3/19/2022	0.08	21.89	16.91	19.61	0.00	0.00	0.00	0.00	0.00	0.00	19.61	21.89	0.00
3/20/2022	0.01	19.86	13.82	15.80	0.00	0.00	0.00	0.00	0.00	0.00	15.80	19.86	0.00
3/21/2022	0.00	18.03	10.46	13.63	0.00	0.00	0.00	0.00	0.00	0.00	13.63	18.03	0.00
3/22/2022	0.23	19.14	9.41	12.97	0.00	0.00	0.00	0.00	0.00	0.00	12.97	19.14	0.00
3/23/2022	0.56	24.52	14.30	20.28	10.18	1.66	0.00	0.00	0.00	0.00	21.94	34.71	4.00
3/24/2022	0.10	25.25	21.14	21.41	4.03	0.45	0.00	0.00	0.00	0.00	21.86	29.27	3.11
3/25/2022	0.05	23.48	18.51	20.15	0.00	0.00	0.00	0.00	0.00	0.00	20.15	23.48	0.16
3/26/2022	0.00	19.86	14.33	15.95	0.00	0.00	0.00	0.00	0.00	0.00	15.95	19.86	0.00
3/27/2022	0.00	18.71	11.53	13.97	0.00	0.00	0.00	0.00	0.00	0.00	13.97	18.71	0.00
3/28/2022	0.00	15.92	9.91	12.41	0.00	0.00	0.00	0.00	0.00	0.00	12.41	15.92	0.00
3/29/2022	0.00	14.93	9.21	11.35	0.00	0.00	0.00	0.00	0.00	0.00	11.35	14.93	0.00
3/30/2022	1.45	27.59	8.74	15.41	37.96	9.46	16.00	2.17	0.00	0.00	27.03	81.55	15.01
3/31/2022	0.41	21.78	14.85	17.88	26.52	20.52	16.00	5.36	0.00	0.00	43.76	64.30	31.43
Minimum	0.00	14.53	5.16	9.56	0.00	0.00	0.00	0.00	0.00	0.00	9.56	14.53	0.00
Maximum	1.45	27.59	21.14	21.41	37.96	20.52	16.00	5.36	0.00	0.00	43.76	81.55	31.43
Total	4.26	568.42	336.69	435.80	78.69	32.09	32.00	7.53	0.00	0.00	475.42	679.11	53.73
Average	0.14	18.34	10.86	14.06	2.54	1.04	1.03	0.24	0.00	0.00	15.34	21.91	1.73

	Tertiary Flow	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	
3/1/2022	12.30	2,258	70,042	9.90	89	73	67	324	4,621		8.6	
3/2/2022	12.17	2,207	68,476	10.09	95	85	72	384		5,597	8.6	
3/3/2022	11.68	2,290	71,059	11.71	96	83	72	364	4,070			
3/4/2022	11.21	2,369	73,509	12.37	96	90	82	382		5,816		
3/5/2022	11.13		73,509	12.00								
3/6/2022	13.27		73,509	12.57								
3/7/2022	17.66	1,801	55,884	10.13	84	67	55	371		5,204	8.3	
3/8/2022	17.55	1,886	58,496	10.82	95	84	72	449	2,890		8.3	
3/9/2022	15.25	1,732	53,724	11.48	78	60	48	341		4,468	8.0	
3/10/2022	13.38	1,940	60,196	13.07	93	84	70	432	3,117			
3/11/2022	13.38	2,186	67,807	17.68	97	91	79	417		5,429		
3/12/2022	12.89		67,807	24.93								
3/13/2022	10.83		67,807	25.52								
3/14/2022	10.21	2,484	77,073	26.76	97	95	88	382		5,771	8.8	
3/15/2022	10.05	2,060	69,452	13.40	89	86	78	384	3,607		8.7	
3/16/2022	10.11	2,498	84,205	13.66	97	92	80	370		5,717	8.3	
3/17/2022	9.56	2,432	81,982	12.38	95	90	82	365	2,715			
3/18/2022	12.37	2,373	94,809	12.38	97	91	79	382		5,066		
3/19/2022	19.61		79,995	11.66								
3/20/2022	15.80		79,995	11.81								
3/21/2022	13.63	2,173	73,268	9.33	93	88	73	404		5,897	8.8	
3/22/2022	12.97	2,536	85,487	10.62	96	86	73	339	3,207		8.8	
3/23/2022	20.28	1,574	53,061	8.00	87	72	63	454	,	4,702	6.3	
3/24/2022	21.41	1,166	39,323	10.03					2,239	,		
3/25/2022	20.15	1,332	44,910	19.25	60	49	40	368	,	4,138	6.2	
3/26/2022	15.95		44,910	19.25								
3/27/2022	13.97		44,910	19.29								
3/28/2022	12.41	2,415	81,409	13.93	95	91	82	389		6,939	9.2	
3/29/2022	11.35	2,474	83,413	11.50	97	93	85	375	4,028	.,	9.3	
3/30/2022	15.41	2,684	90,494	14.85	98	95	88	356	.,320	5,819	8.3	
3/31/2022	17.88	1,869	63,005	10.39	95	86	80	460	3,437	0,010	0.0	
0/01/2022	17.00	1,000	00,000	10.00		00	00	700	0,101			
Minimum	9.56	1,166	39,323.05	8.00	59.62	49.32	39.73	323.80	2,239	4,138	6.2	
Maximum	21.41	2,684	94,809.25	26.76	98.07	95.45	88.24	459.52	4,621	6,939	9.3	
Total	435.80		2,133,531.68	430.75	2,018.63	1,830.66	1,606.70	8,491.58	33,931	70,563	124.5	
Average	14.06	2,119	68,823.42	13.90	91.77	83.23	73.09	386.00	3,393	5,428	8.3	

	Tertiary Flow	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		%	Deg F	Deg F	Deg F
3/1/2022	12.30	191	64	1.2	0.8	82	98.3	36	60	51.8
3/2/2022	12.17							33	62	50.9
3/3/2022	11.68							26	38	50.2
3/4/2022	11.21							26	45	
3/5/2022	11.13							41	70	
3/6/2022	13.27							34	59	
3/7/2022	17.66	116			1.0	147	94.7	31	37	50.7
3/8/2022	17.55	78	50	1.6	1.2	176	90.8	26	42	50.9
3/9/2022	15.25							26	42	50.7
3/10/2022	13.38							23	35	50.4
3/11/2022	13.38							23	35	
3/12/2022	12.89							15	32	
3/13/2022	10.83							20	54	
3/14/2022	10.21	165			0.3	26	98.7	38	64	51.3
3/15/2022	10.05	160	66	1.0	0.2	17	98.6	35	64	51.5
3/16/2022	10.11	240			0.6	51	98.3	34	70	52.0
3/17/2022	9.56	230	84	1.6	0.6	48	98.6	43	75	52.0
3/18/2022	12.37							40	49	
3/19/2022	19.61							36	44	
3/20/2022	15.80							29	66	
3/21/2022	13.63							38	75	51.8
3/22/2022	12.97							49	60	51.6
3/23/2022	20.28	122			1.3	220	96.2	46	58	51.2
3/24/2022	21.41	110	55	3.8	1.2	214	95.3	41	46	50.9
3/25/2022	20.15	93						35	50	
3/26/2022	15.95							26	35	
3/27/2022	13.97							22	38	
3/28/2022	12.41	83			0.6	62	97.6	22	38	50.5
3/29/2022	11.35	119	55	1.6	0.5	47	98.4	28	43	50.2
3/30/2022	15.41	170			1.3	167	96.6	43	61	50.1
3/31/2022	17.88	62	34	2.6	2.1	313	87.6	33	49	50.4
Minimum	9.56	62	34	1.0	0.20	17	87.6	15	32	50.1
Maximum	21.41	240	84	3.8	2.10	313	98.7	49	75	52.0
Total	435.80	1,939	408	13.4	11.70	1,570	1,249.7	969	1,596	969.1
Average	14.06	139	58	1.9	0.90	121	96.1	32	51	51.0

	Tertiary Flow	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
3/1/2022	12.30	176	52	1.6	0.4	41	99.8	7.7	7.8	7.1	7.3
3/2/2022	12.17	167			0.5	51	99.7	7.6	7.7	7.1	7.3
3/3/2022	11.68	167		4.2	1.1	107	99.3	7.7	7.8	7.1	7.4
3/4/2022	11.21	204			0.8	75	99.6	7.6	7.7	7.1	7.4
3/5/2022	11.13	180			0.4	37	99.8				
3/6/2022	13.27	138			0.5	55	99.6				
3/7/2022	17.66	124			0.5	74	99.6	7.6	7.7	7.2	7.3
3/8/2022	17.55	92	33	6.7	1.0	146	98.9	7.6	7.8	7.1	7.3
3/9/2022	15.25	84			0.9	114	98.9	7.7	7.8	7.2	7.4
3/10/2022	13.38	102	44	2.0	0.7	78	99.3	7.7	7.9	7.2	7.4
3/11/2022	13.38	112			0.2	22	99.8	7.8	7.8	7.2	7.4
3/12/2022	12.89	104			0.3	32	99.7				
3/13/2022	10.83	108			0.2	18	99.8				
3/14/2022	10.21	184			0.1	9	99.9	7.7	7.8	7.2	7.3
3/15/2022	10.05	176	36	2.6	0.4	34	99.8	7.7	7.7	7.3	7.3
3/16/2022	10.11	220			0.5	42	99.8	7.7	7.6	7.1	7.3
3/17/2022	9.56	215	54	4.6	0.6	48	99.7	7.6	7.6	7.1	7.2
3/18/2022	12.37	224			0.4	41	99.8	7.6	7.6	7.0	7.3
3/19/2022	19.61	108			1.2	196	98.9				
3/20/2022	15.80	128			0.8	105	99.4				
3/21/2022	13.63	148			0.6	68	99.6	7.7	7.7	7.4	7.2
3/22/2022	12.97	176	57	2.8	0.4	43	99.8	7.6	7.7	7.2	7.4
3/23/2022	20.28	132			1.2	203	99.1	7.6	7.6	7.1	7.3
3/24/2022	21.41	96	41	18.8	1.8	321	98.1	7.7	7.7	7.1	7.4
3/25/2022	20.15	80			1.5	252	98.1	7.7	7.8	7.2	7.5
3/26/2022	15.95	76			0.8	106	98.9				
3/27/2022	13.97	84			1.6	186	98.1				
3/28/2022	12.41	72			0.4	41	99.4	7.8	7.8	7.3	7.4
3/29/2022	11.35	104	31	5.6	0.4	38	99.6	7.8	7.8	7.3	7.4
3/30/2022	15.41	192			2.2	283	98.9	7.7	7.7	7.1	7.4
3/31/2022	17.88	56	27	9.9	4.9	731	91.3	7.6	7.8	7.2	7.4
Minimum	9.56	56	27	1.6	0.1	9	91.3	7.6	7.6	7.0	7.2
Maximum	21.41	224	57	18.8	4.9	731	99.9	7.8	7.9	7.4	7.5
Total	435.80	4,229	375	58.8	27.3	3,600	3,072.2	176.5	177.9	164.9	169.0
Average	14.06	136	42	5.9	0.9	116	99.1	7.7	7.7	7.2	7.3

MONTHLY OPERATIONS REPORT PAGE 5

	Tertiary	Influent	Tertiary	Tertiary Effluent	Chlorine	Fecal
	Flow	Ammonia-N	Ammonia-N	Ammonia-N Load	Residual	Coliform
Date	MGD	mg/l	mg/l	lbs/day	mg/l	col/100ml
3/1/2022	12.30	11.28	2.15	220.5		
3/2/2022	12.17	14.80	2.53	256.9		
3/3/2022	11.68				0.03	
3/4/2022	11.21					
3/5/2022	11.13					
3/6/2022	13.27	8.02	0.30	33.2		
3/7/2022	17.66	9.08	2.39	352.1	0.03	
3/8/2022	17.55	7.82	4.93	721.6	0.03	
3/9/2022	15.25	12.98	4.99	634.4	0.03	
3/10/2022	13.38				0.03	
3/11/2022	13.38					
3/12/2022	12.89					
3/13/2022	10.83	12.24	0.31	28.0		
3/14/2022	10.21	14.88	0.10	8.5		
3/15/2022	10.05	18.84	0.32	26.8		
3/16/2022	10.11	15.40	2.07	174.5		
3/17/2022	9.56	20.04	0.10	8.0		
3/18/2022	12.37				0.03	
3/19/2022	19.61				0.03	
3/20/2022	15.80	8.40	1.09	143.6	0.03	
3/21/2022	13.63	11.36	0.12	13.6	0.03	
3/22/2022	12.97	15.44	0.42	45.4		
3/23/2022	20.28	6.88	1.11	187.8	0.03	
3/24/2022	21.41	5.72	0.73	130.4	0.03	
3/25/2022	20.15				0.03	
3/26/2022	15.95				0.03	
3/27/2022	13.97	8.32	0.12	14.0	0.03	
3/28/2022	12.41	10.18	0.10	10.3	0.03	
3/29/2022	11.35	15.12	0.12	11.4		
3/30/2022	15.41	7.52	0.40	51.4	0.03	
3/31/2022	17.88	4.80	0.10	14.9		
Minimum	9.56	4.80	0.10	8.0	0.03	
Maximum	21.41	20.04	4.99	721.6	0.03	
Total	435.80	239.12	24.50	3,087.3	0.48	
Average	14.06	11.39	1.17	147.0	0.03	

SLUDGE DATA					
Primary Sludge	TS	2.80	%	1,356,123	Gallons
WAS to Thickener	TS	2.30	%	710,900	Gallons
TWAS to Digester 4	TS	5.56	%	236,640	Gallons
Hauled Grease to Digs	TS	8.60	%	364,438	Gallons
Anaerobically Digested Sluc	lge Pumping				
Drying Beds	TS	2.63	%	268,380	Gallons
BFP	TS	2.59	%	840,664	
Lagoons	TS	3.25	%	127,260	Gallons
Total				1,236,304	Gallons
VS Destruction				47.3	%
Biosolids Disposal					
Class A	Distribution	Mar		42	Dry Tons
Clas	ss B Hauling	Mar			Dry Tons
	Total	Mar			Dry Tons
Class A	Distribution	YTD		42	Dry Tons
Clas	ss B Hauling	YTD			Dry Tons
	Total	YTD		42	Dry Tons
ENERGY DATA					
•	ster Gas Proc			6,845,494	
Gas Volume per	Volatile Solid	s Load		12.2	Cu.Ft./Lb.
Digester Gas Utilization					
	Heat Exch	-		66,652	
	Dehumidit			606,012	
		CHP		6,108,607	
		Total		6,781,271	
Digester Gas Flared				64,223	SCF
Natural Gas Consumed					
	١	WWTC		32,000	
		MSB		40,100	
	Chemica	al Feed		21,700	
	5006	Walnut		18,400	SCF

Kilowatt-hours Generated CHP Net energy from Comed Monthly net energy

MISCELLANEOUS

Grit Removal	Mar	20 Cu. Yds
Grit Removal	YTD	60 Cu. Yds
Anaerobic Supernate		805,636 Gallons
Waste Activated Sludge		118,721 Gals/Day
City Water Consumed		99,110 Gallons

488,714 KWH

-53,003 KWH -23 MWH

	Tertiary Flow	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
3/1/2022	12.30											
3/2/2022	12.17											
3/3/2022	11.68											11.59
3/4/2022	11.21											
3/5/2022	11.13											
3/6/2022	13.27											
3/7/2022	17.66											
3/8/2022	17.55						17.8	9.8	2,634.1	1,434.4	45.5	
3/9/2022	15.25	2.59	1.62	343.1	206.0	37.5						
3/10/2022	13.38											5.31
3/11/2022	13.38											
3/12/2022	12.89											
3/13/2022	10.83											
3/14/2022	10.21											
3/15/2022	10.05											
3/16/2022	10.11	5.07	2.48	423.5	209.1	51.1						
3/17/2022	9.56											
3/18/2022	12.37											
3/19/2022	19.61											
3/20/2022	15.80											
3/21/2022	13.63	2.92	1.49	329.3	169.4	49.0						
3/22/2022	12.97											8.10
3/23/2022	20.28											
3/24/2022	21.41											
3/25/2022	20.15											
3/26/2022	15.95											
3/27/2022	13.97											
3/28/2022	12.41											
3/29/2022	11.35	2.63	0.46	239.2	43.6	82.5						
3/30/2022	15.41											
3/31/2022	17.88											
Minimum	9.56	2.59	0.46	239.2	43.6	37.5	17.8	9.8	2,634.1	1,434.4	45.5	5.31
Maximum	21.41	5.07	2.48	423.5	209.1	82.5	17.8	9.8	2,634.1	1,434.4	45.5	11.59
Total	435.80	13.21	6.05	1,335.1	628.0	220.0	17.8	9.8	2,634.1	1,434.4	45.5	25.00
Average	14.06	3.30	1.51	333.8	157.0	55.0	17.8	9.8	2,634.1	1,434.4	45.5	8.33

DMR Copy of Record

Permit																						
Permit #: IL0028380			Permittee:		DOWNERS GROVE SANITARY DISTRICT						Fac	ility:	DOW	DOWNERS GROVE S.D WASTEWATER TREATMENT CENTER								
Major:		Yes			Permittee A	ddress:		2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515									3 WALNUT AVENUE WNERS GROVE, IL 60515					
Permitted Feature: 001 Di External Outfall		Discharge:			001-0 COMBINED DISCHARGE FROM A01, B01, & C01																	
Report	Dates & Status				1																	
Monitor	ring Period:	From 03/0 ⁻	1/22 to 03/31/22		DMR Due D	ate:	04/	25/22					Sta	tus:	NetDI	MR Valida	ted					
	erations for Form C	Completion			1								I									
W04303		OF DAYS OF				: A01-MIX	ING CHAN	/BER DI	ISCHARG	GE TO E BR OF	DUPAGE F	RIVER-EFI	FECTIVE WHEN	FLOWS 1	TO TRT PLT ARE (GREATER	THAN 22 MGD 8	EXCESS	FLOW I	FAC IS IN OPERATION. 002	2	
	al Executive Office																					
First Na		Amy			Title:		Ge	neral Ma	anager				Tel	ephone:	630-9	69-0664						
Last Na		Underwood	ł						0													
	a Indicator (NODI)				Į																	
Form N																						
	Parameter		Monitoring Location	Season	# Param. NODI				Quantity	or Loading					Quality or Concentra	tion			# of Ex.	. Frequency of Analysis	Sample Type	
Code	Name						Qualifier 1	Value 1 Q	ualifier 2	Value 2	Units	Qualifier 1		Qualifier		Qualifier 3		Units				
						Sample Permit Reg.							8.3 Req Mon MO AV M	=	7.3 Reg Mon MN WK AV	=	5.7 Reg Mon DAILY MN	19 - mg/L		17/30 - 17 Per Month DL/DS - Daily When Discharging	GR - GRAB	
00300	Oxygen, dissolved [[DO]	1 - Effluent Gross	0		Value NODI							Req Mon MO AV M				Req Mon DAILT MIN	19 - Ilig/L	0	DE/DO - Daily When Discharging	OK - OKAD	
															6.0		11.0	10 mg/l		14/30 - 14 Per Month	CP - COMPOS	
00210	BOD, 5-day, 20 deg.	c	1 - Effluent Gross	0		Sample Permit Reg.								= <=	6.0 30.0 MO AVG	= <=	11.0 45.0 WKLY AVG	19 - mg/L 19 - mg/L	0	DL/DS - Daily When Discharging		
00310	BOD, 5-day, 20 deg.	C	I - Elliuent Gross	0		Value NODI												0	0	,		
						Sample	-					=	7.0			=	7.6	12 - SU		05/DW - 5 Days Every Week	GR - GRAB	
00400	00400 pH		1 - Effluent Gross	0		Permit Req.							6.0 MINIMUM			<=		12 - SU		DL/DS - Daily When Discharging	GR - GRAB	
	r					Value NODI																
						Sample								=	1.9	=	7.0	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS	
00530	Solids, total suspen	led	1 - Effluent Gross	0		Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB	
						Value NODI					<= 30.0 MO AVG <= 45.0 WKLY AVG 19 - mg/L 0 DL/DS											
00530 Solids, total su						Sample								=		=					CP - COMPOS	
00610	Nitrogen, ammonia	total [as N]	al [as N] 1 - Effluent Gross			Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB	
						Value NODI																
						Sample Permit Req.								=	1.34 Rog Mon MO AV/G	=	2.48 Bog Mon DAll X MX	19 - mg/L			CP - COMPOS	
00665	Phosphorus, total [a	as P]	1 - Effluent Gross	0		Value NODI									Req Mon MO AVG		Req Mon DAILY MX	19 - Ilig/L	0	DL/DS - Daily When Discharging	GIV - GIVAD	
															0.12			10 mm/		17/20 17 Day Marth	GR - GRAB	
50000	Chloring, total regid		1 - Effluent Gross	0		Sample Permit Reg.								= <=	0.12 0.75 MO AVG			19 - mg/L 19 - mg/L		17/30 - 17 Per Month DL/DS - Daily When Discharging		
50060	Chlorine, total resid	uai	I - Elliuent Gross	0		Value NODI													0			
						Sample										=	70.0	13 - #/100ml	_	05/30 - 5 Times Every Month	GR - GRAB	
74055	74055 Coliform, fecal general	1 - Effluent Gross	0		Permit Req.										<=		13 - #/100ml		DL/DS - Daily When Discharging			
	, g		Elindent Oross	•		Value NODI	1															
						Sample		=	4	21.69	80 - Mgal/mo	0								99/99 - Continuous		
82220	Flow, total		1 - Effluent Gross	0		Permit Req.			R	Req Mon MO TOTAL	_ 80 - Mgal/mo)							0	99/99 - Continuous		
						Value NODI																
o 1 - i	aion Nota																					

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. 4 days of discharge combined with A01 and 1 day combined with C01 flow. Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:31 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:57 (Time Zone: -05:00)



DMR Copy of Record

Permit																					
Permit #: IL0028380			Per	rmittee:	DOWNERS GROVE SANITARY DISTRICT							F	Facility: DOWNERS GROVE S.D WASTEWATER TREATMENT CENTER						EATMENT CENTER		
Major:	Yes			Per	rmittee Addı	ress:	2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515							Facility Location:		5003 WALNUT AVENUE DOWNERS GROVE, IL 60515					
Permitted Feature: 002 External Outfall			Discharge: 002-0 MIXING CHAMBER OVERFLOW TO ST JOSEPH CRK							I											
Report	Dates & Status	External out							DEROVE		OCLINIO										
	ing Period:	From 03/01/2	22 to 03/31/22	DM	IR Due Date		04/25/22	2					s	Status:	1	NetDMR Va	alidated				
	erations for Form	Completion		l									I								
			DISCHARGE:CS																		
Princip	al Executive Offic	cer																			
First Na		Amy		Titl	le:		General	Manag	er				т	elephone	: 6	630-969-06	64				
Last Na	me:	Underwood						Ū	·				I								
No Data	Indicator (NODI))		l																	
Form N																					
	Parameter		Monitoring Location	Season #	# Param. NODI				Quantity	or Loading					Quality or Con	centration			# of Ex	. Frequency of Analysis	Sample Typ
Code	Name	e					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3		Units			
			. =			Sample Permit Reg.										=	5.7 Reg Mon DAILY MN	19 - mg/L I 19 - mg/l	_	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
00300	Oxygen, dissolved	d [DO]	1 - Effluent Gross	0		Value NODI													0	2220 Bany Wildir Biodinarginig	
						Sample								=	8.9	=	12.4	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00310	00310 BOD, 5-day, 20 deg. C	a. C	1 - Effluent Gross	0		Permit Req.									30.0 MO AVG	<=		19 - mg/L	0	DL/DS - Daily When Discharging	
	,,	3				Value NODI	I														
						Sample						=	7.2			=	7.4	12 - SU		DL/DS - Daily When Discharging	GR - GRAB
00400	рН	1		0		Permit Req						>=	6.0 MINIMUN	N		<=	9.0 MAXIMUM	12 - SU	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI	1														
						Sample Permit Reg.									5.5 30.0 MO AVG		7.7 45.0 WKLY AVG	19 - mg/L 19 - mg/L		DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
00530	Solids, total suspe	ended	1 - Effluent Gross	0		Value NODI								<=	SU.U IVIO AVG	<=	45.0 WKLT AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAD
						Sample										_	3.37	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00610	Nitrogen, ammoni	ia total [as N]	1 - Effluent Gross	0		Permit Req.										-	Req Mon DAILY MX	-	0	DL/DS - Daily When Discharging	
00010	nin ogen, annioni		1 - Endent Gross	0		Value NODI	1											0			
						Sample								=	1.21	=	1.52	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
00665	Phosphorus, total	[as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	'G	Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI	I														
						Sample									0.36			19 - mg/L		DL/DS - Daily When Discharging	
50060	Chlorine, total res	idual	I 1 - Effluent Gross	0		Permit Req.								<=	0.75 MO AVG			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
						Value NODI															
						Sample Permit Reg.												13 - #/100m 13 - #/100m		DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
74055	Coliform, fecal ge	neral	1 - Effluent Gross	0		Value NODI										.=		.0 171001	- 0	22.50 Daily When Disonarying	
						Sample		-	= 5	53.73	80 - Mgal/mc)								DL/DS - Daily When Discharging	
00000	Flow, total		1 - Effluent Gross	0		Permit Req.				Req Mon MO TOTAL	-								0	DL/DS - Daily When Discharging	
	82220 Flow, total		i Endeni Gross 0				ODI												0		

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

5 days of discharge. 1 day 002 flow was active without excess from from A01, due to rain event. 001 Outfall pipe obstructions caused effluent to backup and overflow to 002 Outfall. District staff is evaluating how to safely remove the obstructions with 001 pipe cleaning. Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

reeseberry
Dorrance Berry
rberry@dgsd.org
2022-04-13 14:31 (Time Zone: -05:00)
reeseberry
Dorrance Berry
rberry@dgsd.org
2022-04-13 14:57 (Time Zone: -05:00)



Permit																			
Permit #	t:	IL002838	D		Permitte	ee:		DOWNERS G	ROVE SANITARY	DISTRICT		Facility:		DOWNER	RS GROVE	E S.D WASTEW	ATER TREATM	ENT CENTER	
Major:		Yes			Permitte	ee Address	5:		S STREET PO BO ROVE, IL 60515	X 1412		Facility L	ocation:		LNUT AVE	ENUE E, IL 60515			
Permitte	ed Feature:	003 External C	Jutfall		Dischar	ge:		003-0	W TO ST JOSEPH	CREEK		I							
Pepart	Dates & Status	External C	Julian					EXCESS FLC	W TO ST JOSEPH	GREEN									
	ing Period:	From 03/0	01/22 to 03/31/22		DMR Du	le Date:		04/25/22				Status:		NetDMR	Validated				
Conside	erations for Form C	Completion			I							ľ							
W04303	00002 ; NUMBER C	OF DAYS OF	DISCHARGE:CS																
Principa	I Executive Office	r																	
First Nar	me:	Amy			Title:			General Mana	iger			Telephor	ne:	630-969-0	0664				
Last Nar	me:	Underwoo	bd									·							
No Data	Indicator (NODI)																		
Form NC	DDI:																		
	Parameter		Monitoring Location	Season	# Param. NOD	Ы			ity or Loading					Quality or Concentra			# of	Ex. Frequency of Analysis	Sample Type
Code	Name					Sample	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 [DOI	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MN	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
						Value NODI	I									C - No Discharge			
						Sample													
00310 I	BOD, 5-day, 20 deg.	С	1 - Effluent Gross	0		Permit Req.							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
						Value NODI	1							C - No Discharge		C - No Discharge			
						Sample Permit Reg.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	DL/DS - Daily When Discharging	
00400	рН		1 - Effluent Gross	0		Value NODI					-	C - No Discharge				C - No Discharge		DEDO Daily When Discharging	
						Sample						e ne Diccharge				e ne Diccharge			
00530	Solids, total suspen	ded	1 - Effluent Gross	0		Permit Req.							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
	, -					Value NODI	I							C - No Discharge		C - No Discharge			
						Sample													
00610	Nitrogen, ammonia t	total [as N]	1 - Effluent Gross	0		Permit Req.	•									Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
						Value NODI	1									C - No Discharge			
						Sample Permit Reg.								Req Mon MO AVG		Req Mon DAILY MX	10. mg/l	DL/DS - Daily When Discharging	
00665	Phosphorus, total [a	as P]	1 - Effluent Gross	0		Value NODI								C - No Discharge		C - No Discharge	19 - Ilig/L	DDDG - Daily When Discharging	J OK - OKAD
						Sample								0 - No Discharge		0 - No Discharge			
50060	Chlorine, total resid	ual	1 - Effluent Gross	0		Permit Req.							<=	0.75 MO AVG			19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
		uui		, C		Value NODI	1							C - No Discharge					
						Sample													
74055	Coliform, fecal gene	eral	1 - Effluent Gross	0		Permit Req.									<=		13 - #/100mL	DL/DS - Daily When Discharging	g GR - GRAB
						Value NODI	1									C - No Discharge			
						Sample Bormit Bog				90 Maal/								DI /DS Doily M/ban Disabarria	
82220	Flow, total		1 - Effluent Gross	0		Permit Req.	•		Req Mon MO TOTAL	80 - Mgai/mo)							DL/DS - Daily When Discharging]
						Value NODI	1		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

Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachments

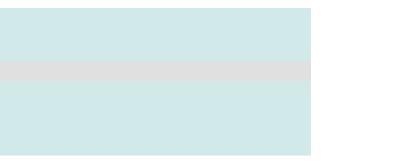
No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:

Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:32 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:57 (Time Zone: -05:00)



Permit																			
Permit	#:	IL0028380		Pern	nittee:		DOWNERS GROVE SAN	TARY DISTRICT			Facili	ty:	D	OWNERS	GROVE S.D WA	STEWA	TER TR	REATMENT CENTER	
Major:		Yes		Pern	nittee Addre		2710 CURTISS STREET I DOWNERS GROVE, IL 60				Facili	ty Loca			JT AVENUE GROVE, IL 60515				
Permit	ted Feature:	A01 External Outfa	all	Disc	harge:		A01-0 EXCESS FLOW FROM EX	XCESS FLOW CL	ARIFIERS										
Report	Dates & Status																		
Monito	ring Period:	From 03/01/2	2 to 03/31/22	DMR	R Due Date:		04/25/22				Statu	s:	N	etDMR Val	idated				
Consid	lerations for Forn	n Completion		1															
W0430	300002 ; NUMBEF	R OF DAYS OF	DISCHARGE:CS																
Princip	al Executive Offic	cer																	
First N	ame:	Amy		Title	:		General Manager				Telep	hone:	6	30-969-066	4				
Last Na	ame:	Underwood					ũ												
No Dat	a Indicator (NODI	D																	
Form N																			
	Parameter		Monitoring Location	Season #	# Param. NODI		Quantit	y or Loading					Quality or Co	ncentration			# of Ex.	Frequency of Analysis	Sample Type
Code	Nam	e	_				Qualifier 1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1 Qu	alifier 2	Value 2	Qualifier 3		Units			
						Sample Permit Reg								=	25.8 Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Dischargin DL/DS - Daily When Dischargin	•
00310	BOD, 5-day, 20 de	eg. C	1 - Effluent Gross	0		Value NOD									Req MOIT DAIL F MA	19 - mg/L	0	DL/DS - Daily When Dischargin	IIY GR - GRAD
															28.3	10		DL/DS - Daily When Dischargin	
00500				0		Sample Permit Reg								=	28.3 Req Mon DAILY MX	19 - mg/L 19 - mg/L		DL/DS - Daily When Dischargin	
00530	Solids, total susp	ended	1 - Effluent Gross	0		Value NOD										- 5	0		
						Sample								=	6.5	19 - mg/L		DL/DS - Daily When Dischargin	ng GR - GRAB
00610	Nitrogen ammon	ia total [as N]	1 - Effluent Gross	0		Permit Req									Req Mon DAILY MX			DL/DS - Daily When Dischargin	-
00010	inn ogon, annon			Ū		Value NOD	1										Ũ		
						Sample					=	1	.35	=	1.63	19 - mg/L		DL/DS - Daily When Dischargin	ng GR - GRAB
00665	Phosphorus, tota	l [as P]	1 - Effluent Gross	0		Permit Req						F	Req Mon MO AV	'G	Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Dischargin	ng GR - GRAB
						Value NOD	1												
						Sample			80 - Mgal/mo									DL/DS - Daily When Dischargin	-
82220	Flow, total		1 - Effluent Gross	0		Permit Req		Req Mon MO TOTAL	80 - Mgal/mo								0	DL/DS - Daily When Dischargin	ng CN - CONTIN
						Value NOD	1												

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

4 days of discharge. Event 1: 3/23/22 to 3/24/22, discharging for 18.9 hours. 0.89 inches of rain over 24 hours. B01 flow rate at A01 start time: 15,504 gpm. Event 2: 3/30/22 to 3/31/22, discharging for 32 hours. 1.86 inches of rain over 25 hours. B01 flow rate at A01 start time: 15,504 gpm. Event 2: 3/30/22 to 3/31/22, discharging for 32 hours. 1.86 inches of rain over 25 hours. B01 flow rate at A01 start time: 15,504 gpm. Event 2: 3/30/22 to 3/31/22, discharging for 32 hours. 1.86 inches of rain over 25 hours. B01 flow rate at A01 start time: 15,504 gpm. Event 2: 3/30/22 to 3/31/22, discharging for 32 hours. 1.86 inches of rain over 25 hours. B01 flow rate at A01 start time: 15,504 gpm. Event 2: 3/30/22 to 3/31/22, discharging for 32 hours. 1.86 inches of rain over 25 hours. B01 flow rate at A01 start time: 18,256 gpm. Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:32 (Time Zone: -05:00)
Report Last Signed By	
User:	reeseberry
Name:	Dorrance Berry
E-Mail:	rberry@dgsd.org
Date/Time:	2022-04-13 14:57 (Time Zone: -05:00)

Permit																					
Permit	#:	IL0028380		Permitte	e:		DOWNERS	GROVE SA	NITARY	DISTRICT					Fa	acility:		DOWNERS GROVE S.D WAST	EWATER TREAT	MENT CENTER	
Major:		Yes		Permitte	ee Address		2710 CURTI DOWNERS			(1412					Fa	acility Loc	ation:	5003 WALNUT AVENUE DOWNERS GROVE, IL 60515			
Permit	ted Feature:	B01 External Outfall		Discharg	ge:		B01-0 MIXING CH/	AMBER DIS	CHARGE	TO THE E B	RANCH D	UPAGE	RVR								
Report	t Dates & Status			•																	
Monito	oring Period:	From 03/01/22 to 03	3/31/22	DMR Du	e Date:	(04/25/22								St	atus:		NetDMR Validated			
Consid	derations for Form	n Completion													·						
W0430	300002 ; DMF LOA	AD LIMITS DISPLAYED	D.																		
	pal Executive Offic	cer																			
First N		Amy		Title:		•	General Mar	nager							Те	elephone:		630-969-0664			
Last Na		Underwood																			
	ta Indicator (NODI)																				
Form N	NODI: Parame	 eter	Monitoring	Season	Param.			Qua	ntity or Loa	ading						Quality	/ or Concent	ration	# of	Frequency of Analysis	Sample Type
Code		Name	Location	#	NODI		Qualifier 1		Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2			Value 3	Units Ex.		eapro rype
						Sample										=	50.0		F	01/30 - Monthly	GR - GRAB
00011	Temperature, wate	er deg. fahrenheit	1 - Effluent Gross	0		Permit Req.											Req Mon	MO MAX	^{15 - deg} F 0	01/30 - Monthly	GR - GRAB
						Value NODI															
						Sample								=	7.5	=	6.2		19 - mg/L	03/DW - 3 Days Every Week	GR - GRAB
00300	Oxygen, dissolved	d [DO]	1 - Effluent	0		Permit Req.								>=	6.0 MN WK A	AV >=	5.0 DAIL	Y MN	19 - mg/L 0	02/DA - 2 Days Every Week	GR - GRAB
			Gross			Value NODI															
						Sample						=	7.0			=	7.4		12 - SU	05/DW - 5 Days Every Week	GR - GRAB
00400	рН		1 - Effluent	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXI	MUM	12 - SU 0	02/DA - 2 Days Every Week	GR - GRAB
00100	P		Gross	Ū		Value													Ŭ		
						NODI Sample										=	221.0		19 - mg/L	01/30 - Monthly	CP -
			1 - Effluent			Permit										-					COMPOS CP -
00410	Alkalinity, total [as	s CaCO3]	Gross	0		Req.											Req Mon	DAILY MX	19 - mg/L 0	01/30 - Monthly	COMPOS
						Value NODI															
						Sample	= 110	6.12	=	730.68	26 - Ib/d			=	0.9	=	4.9		19 - mg/L	05/DW - 5 Days Every Week	CP - COMPOS
00530	Solids, total suspe	ended	1 - Effluent Gross	0		Permit Req.	<= 220	02.0 MO AVG	<=	4404.0 DAILY M	X 26 - Ib/d			<=	12.0 MO AVO	G <=	24.0 DAII	LY MX	19 - mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
			01055			Value															
						NODI Sample										=	9.8		19 - mg/L	01/30 - Monthly	CP -
			1 - Effluent			Permit															COMPOS CP -
00600	Nitrogen, total [as	5 N]	Gross	0		Req.											Req Mon	DAILY MX	19 - mg/L 0	01/30 - Monthly	COMPOS
						Value NODI															
						Sample	= 14	7.01	=	721.58	26 - Ib/d			=	1.17	=	4.99		19 - mg/L	05/DW - 5 Days Every Week	CP - COMPOS
00610	Nitrogen, ammonia	a total [as N]	1 - Effluent Gross	2		Permit Req.	<= 734	4.0 MO AVG	<=	1468.0 DAILY M	X 26 - lb/d			<=	4.0 MO AVG	<=	8.0 DAIL	Y MX	19 - mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
			01033			Value															
						NODI Sample										=	2.8		19 - mg/L	01/30 - Monthly	CP -
			1 - Effluent			Permit										-					COMPOS CP -
00625	Nitrogen, Kjeldahl,	I, total [as N]	Gross	0		Req.											Req Mon	DAILY MX	19 - mg/L 0	01/30 - Monthly	COMPOS
						Value NODI															
						Sample Permit										=	7.0			01/30 - Monthly	CA - CALCTD
00630	Nitrite + Nitrate tot	tal [as N]	1 - Effluent Gross	0		Req.											Req Mon	DAILY MX	^{19 - mg/L} 0	01/30 - Monthly	CA - CALCTD
						Value NODI															
																					CP -

		4 Effluent		Sample					=	1.51	=	2.48	19 - mg/L		04/30 - Four Per Month	COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	 Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
				Value NODI												
				Sample					=	1.56	=	1.56	19 - mg/L		01/30 - Monthly	CP - COMPOS
00666	Phosphorus, dissolved	1 - Effluent Gross	0	 Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
				Value NODI												
				Sample							=	571.0	19 - mg/L		01/30 - Monthly	GR - GRAB
00940	Chloride [as Cl]	1 - Effluent	0	 Permit Req.								Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
		Gross		Value NODI												
				Sample												
30500	Coliform, fecal - % samples exceeding	1 - Effluent	0	 Permit Req.							<=	10.0 MAXIMUM	23 - %			
30300	limit	Gross	0	Value NODI								9 - Conditional Monitoring - Not Required This Period				
				Sample =	14.06	=	21.41	03 - MGD							99/99 - Continuous	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req.	Req Mon MO AVG		Req Mon DAILY MX	03 - MGD						0	99/99 - Continuous	
		01035		Value NODI				MOD								
				Sample							=	0.03	19 - mg/L		CL/OC - Chlorination/Occurances	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	1	 Permit Req.							<=	0.05 DAILY MX	19 - mg/L	0	CL/OC - Chlorination/Occurances	GR - GRAB
				Value NODI												
				Sample =	120.73	=	313.15	26 - Ib/d	=	0.9	=	2.1	19 - mg/L		03/DW - 3 Days Every Week	CP - COMPOS
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	 Permit Req. <=	1835.0 MO AVG	<=	3670.0 DAILY M>	26 - Ib/d	<=	10.0 MO AVG	<=	20.0 DAILY MX	19 - mg/L	0	02/DA - 2 Days Every Week	CP - COMPOS
				Value												

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

Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

Name:Dorrance BerryE-Mail:rberry@dgsd.orgDate/Time:2022-04-13 14:32 (Time Zone: -05:00)Report Last Signed ByUser:reeseberryName:Dorrance Berry
Date/Time: 2022-04-13 14:32 (Time Zone: -05:00) Report Last Signed By User: User: reeseberry
Report Last Signed By User: reeseberry
User: reeseberry
Name: Derrange Berny
Name. Donance beny
E-Mail: rberry@dgsd.org
Date/Time: 2022-04-13 14:57 (Time Zone: -05:00)

Permit																		
Permit	#:	IL0028380		Perm	ittee:	[DOWNERS G	ROVE SAN	IITARY DISTRICT			Facility	:	DOWNERS	S GROVE S.D	WASTEWATER	TREATMENT CENTER	
Major:		Yes		Perm	ittee Addre		2710 CURTIS DOWNERS G		PO BOX 1412 0515			Facility			NUT AVENUE 5 GROVE, IL 605	515		
Permit	ted Feature:	C01 External Outfa	all	Disch	narge:		C01-0 EXCESS FLC	W FROM II	NTERMEDIATE CL	ARIFIER #1								
Report	Dates & Status			1														
Monito	ring Period:	From 03/01/2	2 to 03/31/22	DMR	Due Date:	()4/25/22					Status:		NetDMR V	alidated			
Consid	lerations for For	m Completion																
W0430	300002 ; NUMBE	R OF DAYS OF	DISCHARGE:CS															
Princip	al Executive Off	icer																
First N	ame:	Amy		Title:		(General Mana	ager				Teleph	one:	630-969-06	664			
Last Na	ame:	Underwood										1 -						
No Dat	a Indicator (NOD)))		1														
Form N																		
	Parameter		Monitoring Location	Season #	Param. NODI	I		Quan	tity or Loading				Quality or C	oncentration		# of E	x. Frequency of Analysis	Sample Type
Code	Nan	ne					Qualifier 1 Va	lue 1 Qualifie	2 Value 2	Units	Qualifier 1	Value 1 Qualif	er 2 Value 2	Qualifier		Units		
						Sample Permit Reg								=	23.0 Req Mon DAILY M	19 - mg/L	DL/DS - Daily When Discharging DL/DS - Daily When Discharging	•
00310	BOD, 5-day, 20 d	eg. C	1 - Effluent Gross	0		Value NOD										0		g on one
						Sample								=	16.8	19 - mg/L	DL/DS - Daily When Discharging	g GR - GRAB
00530	Solids, total sus	pended	1 - Effluent Gross	0		Permit Req									Req Mon DAILY N	MX 19 - mg/L 0	DL/DS - Daily When Discharging	g GR - GRAB
						Value NOD	1											
						Sample								=	2.74	19 - mg/L	DL/DS - Daily When Discharging	
00610	Nitrogen, ammor	nia total [as N]	1 - Effluent Gross	0		Permit Req									Req Mon DAILY N	/IX 19 - mg/L 0	DL/DS - Daily When Discharging	g GR - GRAB
						Value NOD	1											
						Sample						=	0.97	=	0.97	19 - mg/L	DL/DS - Daily When Discharging	-
00665	Phosphorus, tota	al [as P]	1 - Effluent Gross	0		Permit Req							Req Mon MO A	wG	Req Mon DAILY N	/i⊼ i9 - mg/∟ 0	DL/DS - Daily When Discharging	g GR - GRAB
						Value NOD	1		7.50	00 M								
			. =			Sample Permit Reg		=	7.53 Req Mon MO TOTAL	80 - Mgal/mo							DL/DS - Daily When Discharging DL/DS - Daily When Discharging	
82220	Flow, total		1 - Effluent Gross	0		Value NOD				_ 00 Mga/110						0		
						value NOD	•											

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. Event 1: 3/30/22 to 3/31/22, discharging for 16.8 hours. 1.86 inches of rain over 25 hours. Flow rate at C01 start time: 15,882 gpm. Phosphorus, total (as P): "Req Mon Monthly Average". DGSD was not required to report this value in the previous permit. The new permit language is the same, so we feel this was added in error.

Attachme	nts	
No attachmen	ts.	
Report La	st Saved By	
DOWNER	S GROVE SANITARY DISTRICT	
User:		reeseberry
Name:		Dorrance Berry
E-Mail:		rberry@dgsd.org
Date/Time:		2022-04-13 14:32 (Time Zone: -05:00)
Report La	st Signed By	
User:		reeseberry
Name:		Dorrance Berry
E-Mail:		rberry@dgsd.org
Date/Time:		2022-04-13 14:57 (Time Zone: -05:00)

Permit																			
Permit #:	IL0028380	Pe	rmittee:		DOWN	ERS GRO	OVE SANITARY	/ DISTR	RICT	Facilit	y:	D	OWNERS GROV	/E S.D V	VASTEWATER	TREATME	INT CE	ENTER	
Major:	Yes	Pe	ermittee Ad	ddress:			STREET PO BO DVE, IL 60515	OX 1412	2	Facilit	y Location		003 WALNUT AV OWNERS GROV		15				
Permitted Feat	ure: INF Influent Structure	Di	scharge:		inf-l Influe	ENT MON	IITORING												
Report Dates &	& Status	·																	
Monitoring Per	riod: From 03/01/22 to 0	03/31/22 DN	/IR Due Da	ate:	04/25/2	22				Status	:	Ne	etDMR Validated	d					
Considerations	s for Form Completion	·																	
W0430300002																			
Principal Exec	utive Officer																		
First Name:	Amy	Tit	le:		Genera	al Manage	er			Telepl	one:	63	80-969-0664						
Last Name:	Underwood					5				1									
No Data Indica																			
Form NODI:																			
Torin Nobi.	Parameter	Monitoring Location	Season	# Param. NODI			Qua	ntity or L	.oading				Quality or Con	centration			# of Ex	. Frequency of Analysis	s Sample Type
Code	Name	Ŭ				Qualifier 1	Value 1	Qualifier	r 2 Value 2	Units G	ualifier 1 Va	lue 1 Qualifier	2 Value 2	Qualifier 3	Value 3	Units			
					Sample							=	139.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00310 BOD, 5	-day, 20 deg. C	G - Raw Sewage Influer	nt 0		Permit Req.								Req Mon MO AVG	j		19 - mg/L	0	09/99 - See Permit	CP - COMPOS
					Value NODI														
					Sample Permit Req.							=	136.0 Reg Mon MO AVO	2		19 - mg/L 19 - mg/L		09/99 - See Permit 09/99 - See Permit	CP - COMPOS CP - COMPOS
00530 Solids ,	total suspended	G - Raw Sewage Influer	nt 0		Value NODI											13 mg/E	0		
					Sample										1.0	10 mg/l		01/30 - Monthly	CP - COMPOS
					Permit Reg.										Req Mon DAILY N	19 - mg/L MX 19 - mg/L		01/30 - Monthly	CP - COMPOS
00600 Nitroge	en, total [as N]	G - Raw Sewage Influer	nt U		Value NODI												0		
					Sample									=	5.07	19 - mg/L		04/30 - Four Per Month	CP - COMPOS
00665 Phosph	norus, total [as P]	G - Raw Sewage Influer	nt 0		Permit Req.										Req Mon DAILY	0		01/30 - Monthly	CP - COMPOS
					Value NODI												Ū		
					Sample =	=	14.05	=	21.8	03 - MGD								99/99 - Continuous	
50050 Flow, ir	n conduit or thru treatment plant	G - Raw Sewage Influer	nt 0		Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							0	99/99 - Continuous	
,	•	J J			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 Dorrance Berry Name: E-Mail: rberry@dgsd.org 2022-04-13 14:33 (Time Zone: -05:00) Date/Time: Report Last Signed By User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org Date/Time: 2022-04-13 14:57 (Time Zone: -05:00)

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: April 14, 2022

SUBJECT: March 2022 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department during March 2022.

Special projects in March included:

Annual Generator Preventive Maintenance

Altorfer Power Systems has completed the annual level 2 preventive maintenance services on the three (3) WWTC generators, the three (3) Portable generators, and the nine (9) Lift station generators. The preventive maintenance service includes a 53-point inspection, oil & filter change, fuel filter replacement, and oil & coolant sample testing.

In addition to the annual level 2 P/M's, the automatic transfer switch maintenance and load bank testing was performed this year at the Butterfield, Centex and Earlston lift station locations. During the annual P/M's, the batteries were replaced on the 150kW, 200kW & 350kW portable generators. A total of five (5) batteries were replaced. All generator batteries are replaced on a 3-year cycle to ensure reliable performance. This year, only the portable generator batteries required replacement.

The total cost for this year's generator P/M's, load bank testing and the battery replacements was \$24,167.00.

Additional repair items have been brought to my attention by the Altorfer service technician during the annual P/M's on the WWTC generators, two (2) of our portable generators and at several of the lift station locations. I have requested proposals for these repairs and anticipate all the additional repairs will be completed in the next few weeks.

Walnut Tree Nursery – Annual Tree Trimming

In 2014, the District planted 230 Purdue Black Walnut tree saplings to be harvested in the future as a lumber investment. These saplings were planted in the grass area located south of the sludge drying pads. Through the years, we have lost a few of the Walnut trees from storm damage but we still have 220 trees remaining in our nursery. These trees are well established and are growing taller every year.

Annually, in the late winter or early spring, District employees would prune these trees to encourage proper vertical growth. Now that the trees have reached a height that we could no longer prune the trees in-house, I contacted Undercutters Tree Service to request a proposal for the trimming. We received a proposal at the cost of only \$15.00 per tree to safely, and correctly prune all the trees in our nursery. We accepted their proposal and authorized Undercutters to perform the trimming.

This work has been completed by Undercutters Tree Service at a total cost of \$3,300.00.

Vogelsang Primary Sludge Grinders – Mechanical Seals & Wear Plate Replacements

The mechanical seals were leaking on both of our Primary sludge grinders. When we removed the grinders from service to replace the leaking mechanical seals, we also discovered that the wear plates on the cutter heads were worn and needed be replaced.

The mechanical seals and overhaul parts were purchased in February and the invoice was processed for payment at the March board meeting in the amount of \$5,438.68. The cutter head wear plate kits were purchased in March and the invoice is in the claim ordinance for the April board meeting in the amount of \$2,450.90.

Both sludge grinder overhauls are now complete and are operating as expected. The total cost for this project was \$7,889.58.

WWTC Procurements for Recent Equipment Repairs & Planned Upgrades

Digester 4 Mixing System – Gas Compressor Overhaul (JC Cross \$7,157.00)

Primary Clarifiers 7&9 - New Sludge Cross Collector Screw Fabrication (Applied Industrial technologies \$10,614.45)

Work Order Summary

Work Order Completion Dates from 3/1/2022 to 3/31/2022

Work Assignment	Completion Date	Equipment	NOTATIONS
3,136 miles. Transmission slips nd or shifts hard.	01-Mar-22	2015 Ford Focus	Dropped off at Packey Webb for warranty service. Transmission clutch replaced and CPU software updated.
ull service and Oil change six nonth-Caterpillar Skid Steer-333	02-Mar-22	2019 Skid Steer	Did not do PM based on hours, only Lubed the equipmen
Clean Office Roof Of All Debris		Administration Center	
Exercising of bar screen sluice ates 1 and 2		Bar Screen 1	
		Bar Screen 2	
lush Pearth 2 with 3 oz of Terosene/Oil mixture		Digester 2 Mixing System	
exercise both 24" primary influent atio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
Proximity switch broken off nount.	03-Mar-22	Bar Screen 1	Replaced proximity switch with new. Ordered new switch for stock.
Yurn on and run Chlorine Contact Yank sweep arm		Chlorine Contact Tank	
4,805 hours, perform 700 hour il change		CHP Engine Genset #2	Changed oil and filters, sample was sent for lab analysis, Sample IND-57676
MONTH CLEANING OF EARTH 2 & 4 STRAINERS		Digester 2 Mixing System	
		Digester 4 Mixing System	
000 Hour Grease of Plant ffluent Pumps		Plant Effluent Water Pump #2	
Aonthly Fire Extinguishers nspection	04-Mar-22	5006 Walnut Eqpmnt Strge Bldg	
		Administration Center	
		Bar Screen Building	
		Belt Filter Press Building	
MONTH GREASE OF BFP IOYNO PUMPS		Belt Press Sludge Feed Pump 1	
		Belt Press Sludge Feed Pump 2	
Aonthly Fire Extinguishers nspection		Bisulfite Building	
		Blower Building	
emi-Annual Greasing Of Various Equipment		Chlorine Contact Tank	
000 Hour Grease of the UNISON BLOWER MOTOR		CHP Gas Cleaning System	
Aonthly Fire Extinguishers nspection		Digester 1 and 2 Control Bldg	
Dil Bell & Gosset Pumps		Digester 1 Heat Exchanger	
Greasing of Landia mixer grease itting on actuator and threaded tem		Digester 1 Mixing Pump	
Dil Bell & Gosset Pumps		Digester 2 Heat Exchanger	

Work Assignment	Completion Date	Equipment	NOTATIONS
Semi-Annual Greasing Of Various Equipment		Digester 3	
Monthly Fire Extinguishers Inspection		Digester 3 Control Building	
Oil Bell & Gosset Pumps		Digester 3 Heat Exchanger	
Monthly Fire Extinguishers Inspection		Digester 4 - 5 Control Buildg	
Oil Bell & Gosset Pumps		Digester 4 Heat Exchanger	
Semi-Annual Greasing Of Various Equipment		Digester 5	
Oil Bell & Gosset Pumps		Digester 5 Heat Exchanger	
Monthly Fire Extinguishers Inspection		Emergency Generator Building	
Semi-Annual Greasing Of Various Equipment		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Oil Bell & Gosset Pumps		Excess Flow Pump Station	
Monthly Fire Extinguishers Inspection		Excess Flow Sludge Pump House	
		Filter Building	
		Grit Building	
		Hypochlorite Feed Blg	
		Interm Clarifier Sludge Bldg Laboratory	
		Maintenance Services Building	
		Microstrainer Building	
		Operations Center	
Monthly Cross Collector Check		Primary Clarifier 3	
		Primary Clarifier 4	
		Primary Clarifier 5	
		Primary Clarifier 6	
		Primary Clarifier 7	
		Primary Clarifier 8	
		Primary Clarifier 9	
Monthly Fire Extinguishers Inspection		Raw Sewage Pump Station	
		System Garage	
Pump out old grease line valve vault		Yard Piping - Liquid Treatment	
Lubricate skid steer and attachment mechanisim	07-Mar-22	2 2019 Skid Steer	
8,279 Hours. Change oil and oil filters. Take sample for lab analysis.		CHP Engine Genset #1	Changed oil and filters. Took oil sample and sent to lab for analysis. Sample ID: IND-61508.

Work Assignment	Completion Date	Equipment	NOTATIONS
Test for H2S at Unison Gas skid		CHP Gas Cleaning	
By-Weekly Fluid and Misc. Check		System Emergency Generator 1	
of Generators		Emergency Generator 2	
		Emergency Generator 3	
Grease fittings on munters unit		Filter Building	
Ground fault at motor.		Grit Classifier 1	Replaced motor and belt with new. Replaced starter heater on L3.
6 Month Oil Change On Bearings, Intermediate Pumps #1 & #2		Intermediate Sludge Pump 1	on Lo.
		Intermediate Sludge Pump 2	
6 Month Oil Change Raw Sludge Pumps 2, 3, 5		Primary Sludge Pump 2	
1		Primary Sludge Pump 3	
		Primary Sludge Pump 5	
Repair snowblowers as needed.		WWTC Landscaping	Check all snowblowers, replace belts & rotor blades as needed. Also replace broken key on 1 unit.
43,530 Miles. Replace front brake pads and rotors.	08-Mar-22	2 2015 Ford Focus	Replaced front brake pads and rotors.
Grease fittings on each moyno 1 and 2		Belt Press Sludge Feed Pump 1	
		Belt Press Sludge Feed Pump 2	
2 MONTH EXERCISE OF W.A.S. MOYNO PUMPS 1 AND 3		Conc Tank Moyno Sludge Pump 1	
		Conc Tank Moyno Sludge Pump 3	
Check Hose Connections On #2 & #4 PEARTH Units		Digester 2 Mixing System	
		Digester 4 Mixing System	
Grease Raw Sewage And Excess Flow Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
		Intermediate Sludge Pump 1	
		Intermediate Sludge Pump 2	
Grease Raw Sewage And Excess Flow Pumps		Raw Sewage Pump 1	
		Raw Sewage Pump 2	
		Raw Sewage Pump 3	
		Raw Sewage Pump 4	
		Raw Sewage Pump 5	
17,731 Miles. Transmission slips and or shifts hard.	09-Mar-22	2 2016 Ford Focus	Took to Packey Webb for clutch pack replacement.
3 month Greasing of 3 AUMA		Aeration Tank 10	
Thursday April 14 2022			Dage 3 of 9

Work Assignment	Completion Date	Equipment	NOTATIONS
Actuators			
Grease Tracks, Check Lube Sites On Bar Screens #1 & #2		Bar Screen 1	
		Bar Screen 2	
		Bar Screen Rag Compactor	
3 month Greasing of 3 AUMA Actuators		Digester 1 Mixing Pump	
6 Month Oil Change On Bearings X'cess Flow Sludge Pump #1& #2		Excess Flow Sludge Pump 1	
Calibrate Influent, Effluent, & Excess Flow Transducers		Flow Meter - Excess	
		Flow Meter - Influent	
		Flow Meter - Tertiary	
3 MONTH OIL CHANGE-GRIT BLOWER #3- KAESER		Grit Blower 3 Kaeser	
3 Month Grease- Secondaries 1 & 2		Secondary Clarifier 1	
2		Secondary Clarifier 2	
Change Pre-Filters Blowers 1 - 4.	10-Mar-22	Blower Bag Room	
Check All Fluids In The Equipment Listed Below		2009 Sterling LT 7500	
1 1		2013 Wheel Loader #334	
		2014 Freightliner M2106 6 yd d	
		2015 Wheel Loader #332	
		2017 Deere 544K Wheel Loader	
		2019 Skid Steer	
		4 inch EBARA Pump (Old Jaeger)	
		6 in CH&E DSL TRSH PMP PERKIN	
		6 in CHE Diesel Trash Pump C/P	
		6 in JAEGER PUMP (FORD)	
Quartely Flow Test In Maintenance Garage		Maintenance Services Building	
Check All Fluids In The Equipment Listed Below		Portable Generator 150	
		Portable Generator 200	
		Portable Generator 350	
Replace worn drive chain.		WWTC Main Gate	Replace drive chain with new, set travel limits, test operation.
Check All Fluids In The Equipment Listed Below		WWTC ODS Pump Air Compressor	
Exercise of Excess Influent and Effluent Gates	14-Mar-22	Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Six Month Oil Change Sand		Filter 1	
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Work Assignment	Completion Date	Equipment	NOTATIONS
Filter's #1 & #2			
		Filter 2	
Six Month Oil Change Primaries 5 & 6 Long & Cross Collector		Primary Clarifier 5	
		Primary Clarifier 6	
Check Sump Pumps at The WWTC and Administration Bldg.	15-Mar-22	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	
		Maintenance Services Building Microstrainer Building	
		Operations Center	
Repair issues found during thermal imaging test.		Raw Sewage Pump 1	Replaced motor starter contacts on all pumps, replace burnt cabling and lugs within the MCC buckets as needed. All repair complete on $12/23/21$. Thermal image re-scan on $03/15/22$, no issues found.
		Raw Sewage Pump 2	·····
		Raw Sewage Pump 3	
		Raw Sewage Pump 4	
		Raw Sewage Pump 5	
Check Sump Pumps at The WWTC and Administration Bldg.		Raw Sewage Pump Station	
		Tunnel/Chan Aeration Tank 1-11	
500 Hour Oil Change on Pearth 4	16-Mar-22	Digester 4 Mixing System	
Procure spare parts for maintenance service.	17-Mar-22	CHP Engine Genset #1	Ordered parts, delivered by Henrik.
		CHP Engine Genset #2	
Due for annual P/M on all 3 generators.		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Check, Remove, Clean. Grease- debris from wells		Excess Flow Pump Station	
		Raw Sewage Pump Station	
Six Month Oil ChangeChange	18-Mar-22	Filter 3	

Thursday, April 14, 2022

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Work Assignment	Completion Date	Equipment	NOTATIONS
		Filter 4	
Due for annual PM.		Hobson Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and oil change. Also found block heater was not turning off. Replaced both control thermostats for heater.
4 Month Megger Of Submersible And Dry Pit Submersible Pumps	21-Mar-22	College Pump 1	Megger all pumps, no issues found.
		College Pump 2	
		College Pump 3	
Replace vent fan motor on the apper level by the south door.		Digester 3 Control Building	Remove fan assembly, order motor on $03/18$. Pick up and install new motor on $03/21$.
Month Megger Of Submersible And Dry Pit Submersible Pumps		Earlston Pump 3	Megger all pumps, no issues found.
		Liberty Park LS Pump 1	
		Liberty Park LS Pump 2	
		Liberty Park LS Pump 3	
Due for annual PM & Battery eplacement.		Portable Generator 150	Altorfer Power Systems performed the annual level 2 P/M and replaced the battery this year.
4 Month Megger Of Submersible And Dry Pit Submersible Pumps		Venard Pump #1	Megger all pumps, no issues found.
		Venard Pump #2	
		Venard Pump #3	
Due for annual PM.		Venard Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and oil change. Also found block heater hoses need to be replaced along with the water pump belt that is cracked. Quote will follow.
Frim all walnut trees to encourage growth for future lumber.		WWTC Landscaping	UnderCutters trimmed all walnut trees, approximately 220 trees total. Trimming was done to encourage growth for future lumber harvest.
REPLACE OIL ABSORBENT PADS IN GREASE CABINET	22-Mar-22	Administration Center	
Operate Relief Valves On Heat Exchangers And Boilers		Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
Seasonal open and close of Pearth l louvers		Digester 4 Mixing System	
Dperate Relief Valves On Heat Exchangers And Boilers		Digester 5 Heat Exchanger	
Monthly Liquid Status of Under Ground Diesel Tank		Emerg Gen Diesel Storage Tank	
By-Weekly Fluid and Misc. Check f Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Exercise Of EBARA and Excess Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	

Work Assignment	Completion Date	Equipment	NOTATIONS
		Excess Flow Pump 10	
		Excess Flow Pump 11	
		Excess Flow Pump 12	
Operate Relief Valves On Heat Exchangers And Boilers		Excess Flow Pump Station	
Exercising of Inf, Eff, Drain and fill valves at Filter Building		Filter 1	
		Filter 2	
		Filter 3	
		Filter 4	
		Filter 5	
		Filter 6	
Exercising of all valves for secondaries 1 and 2 U-tubes		Secondary Clarifier 1	
		Secondary Clarifier 2	
		Secondary Clarifier 3	
		Secondary Clarifier 4	
		Secondary Clarifier 5	
12 Month/10,000 Mile Synthetic Oil Change (2014 F-150)#302 (Electrical)	23-Mar-22	2 2014 Ford F-150 4x2 Shortbed	Change oil and filter using Mobil 1 full synthetic oil. Replace wiper blades. Rotate tires.
Exercise valves at Belt Press Building		Belt Filter Press	
C		Belt Filter Press Building	
		Belt Press Feed Sludge Pits	
		Belt Press Polymer Mix System	
		Belt Press Sludge Conveyor	
		Belt Press Sludge Feed Pump 1	
		Belt Press Washwater System	
Due for annual PM.		College Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and oil change. Also found block heater hoses need to be replaced along with the water pump belt that is cracked. Quote will follow.
Thermal imaging of motor control center.		Excess Flow Pump Station	On high flow today. Scan all MCC buckets & Bar screen control panel. No issues found.
Six Month Oil Change Primaries 1 & 2 Long Collector		Primary Clarifier 1	
		Primary Clarifier 2	
12 Month/10,000 Mile Synthetic Oil Change (2012 Honda Civic #312) Ted	24-Mar-22	2 2012 Honda Civic CNG	Change oil using Mobil 1 full synthetic oil. Change filter and check cabin filter. Rotate tires and check air pressure.
Replace Air Filters On Both Administration Center Furnaces		Administration Center	Replace the filters on both furnaces. Used filters from stock.
3 Month check and repair of Belt Press Ventilation Fans		Belt Filter Press Building	3 month check. Check all vent fans at Belt Filter Press building. No issues, all working.
Replace Air Filters On Both Laboratory Furnaces		Laboratory	Replace filters in sampler room and micro lab room furnaces. Used filters from stock.
Replace Air Filters On Both		Maintenance Services	Replace filters on both furnaces. Used filters from stock.
Thursday April 14 2022			Dago 7 of

Thursday, April 14, 2022

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Work Assignment	Completion Date	Equipment	NOTATIONS
Maintenance Building Furnaces		Building	
Replace Air Filter On Operations Center Furnace		Operations Center	Replace air bear filter 20x25x5.
Replace Air Filters In Geothermal unit.		Raw Sewage Pump Station	Replace filters in geothermal unit. Use filters from stock.
Due for annual PM.		Wroble Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and oil change. Also found block heater hoses need to be replaced along with the water pump belt that is cracked. Quote will follow.
	25-Mar-22	Northwest Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M and oil change. Also found block heater hosesneed to be replaced. Quote will follow.
Seal(s) leaking, buffer chamber wont hold pressure & sludge infiltration		Primary Sludge Grinder 2	R&R seals, wear plates, hardware and gaskets. Replace buffer tank assembly. Procure specialty tools to perform work.
CLEAN TWAS POLYMER EFFLUENT STRAINER		WAS Thickener Polymer System	
Due for annual PM, ATS Maintenance & Load Bank Test.	28-Mar-22	Butterfield Stationary Generat	Altorfer Power Systems performed the annual level 2 P/M, Oil change, ATS Maintenance & Load Bank.
25,135/35,630 Hours. Perform 1,200 hour maintenance on engine.		CHP Engine Genset #2	Performed all actions involved with a 1,200 hour maintenance. Replaced ignition wires and repaired broken coolant pump electrical disconnect.
CELLS CLEANING WITH MURIATIC ACID		Hypochlorite OSEC Generator	Acid clean OSEC Electrodes.
Repair def tank header assembly	29-Mar-22	2017 Deere 544K Wheel Loader	Def system fault- diesel exhaust fluid concentration is low. Active code 3516.1. Replaced def tank head assembly and gasket. Test drove without code coming back.
Due for annual PM, ATS Maintenance & Load Bank Test.		Centex Stationary Generator	Altorfer Power Systems performed the annual level 2 P/M, Oil change, ATS Maintenance & Load Bank. Also noted that the fuel lines & coolant sample port need to be replaced. Quote to follow.
Due for annual PM & Battery replacement.	30-Mar-22	Portable Generator 200	Altorfer Power Systems performed the annual level 2 P/M and replaced both batteries this year.
	31-Mar-22	Portable Generator 350	Altorfer Power Systems performed the annual level 2 P/M and replaced both batteries this year. Smokes on start up & Battery charger not working. Waiting on quote for additional repairs.

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: April 4, 2022

TO: Amy Underwood General Manager FROM: Robert Swirsky Sewer System Maintenance Supervisor RE: Monthly Report - March 2022 1. JULIE Line Markings: Current Year to Date Received 2082 1118 1971 In District 1070 Marked 195 493 211 Man Hours 81 2. **Building Service:** Current Year to Date **BSSRAP TV Inspections** 18 61 a. b. **Emergency BSSRAP Repairs** 14 40 **Total BSSRAP Repairs** 18 50 c. **I&I** inspections 00 00 d. I&I C.O. installation 00 00 e. Replace broken cleanout caps 00 00 f. **OHSP TV Inspections** 01 02 g. Post Rodding TV 15 h. 06 Year to Date 3. Sewer backups: Current Public sewer 03 a. 02 b. Private sewer 25 68 Surcharged main 00 00 c. Pump station d. 00 00 Total 27 71 Year to Date Current 4. Sewer Cleaning (DGSD personnel): 19634 19634 Ft. a. Sewer Cleaning (outside contractors): 0 0 Ft. 5. Main Sewer Televising (DGSD personnel): 773 1160 Ft. 0 Ft. a. Sewer Televising (outside contractors): 0 2 6. LETS TV 2 7. Manhole inspections 0 0

8. Sewer and manhole repairs and replacements by Uno Construction: Replace the frame and cover – Manholes 1B-048 & B1-006

*Replaced the damaged water service at 4939 Cornell Avenue

- 9. Miscellaneous: (sewer system personnel)
 - a. Upload Flow-Meters.

CC: WDVB, AES, JMW, RTJ, KJR, MS, CSS, MPG

DOWNERS GROVE SANITARY DISTRICT M E M O

DATE: April 11, 2022

- TO: Amy R. Underwood General Manager
- FROM: Keith Shaffner Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – March 2022

1.	Permits issued:	Current	Year to Date
	a. Single family	11	16
	b. Multiple family	0	1
	c. Commercial	1	2
	d. Repair	2	4
	e. Disconnection	<u>0</u>	<u>8</u>
	Total	14	31
2.	Inspections made:	Current	Year to Date
	a. Connections	9	13
	b. Finals	3	11
	c. Repairs	2	7
	d. Disconnects	0	11
	e. Groundwork	0	0
	f. Walk-Thru	0	0
	g. Pre-connections	1	2
	h. Overhead Sewer Program	0	0
	i. Code Enforcement	3	3
	j. Lateral testing	<u>4</u>	<u>7</u> 54
	Total	22	54

3. New Sewer Extension Construction:

None

4. New Sewer Extension Testing - air, deflection, manhole, and televising:

None

5. Code Enforcement:

District Inspectors completed multiple building inspections and storm downspout dye tests in the Downtown Downers Grove area this month. These inspections are part of the District's continual efforts to eliminate Inflow and Infiltration of storm water into the sanitary sewers.

- 6. Plan & Permit Reviews:
 - a. 7361 Lemont Commercial Restaurant Review
 - b. 4905 Washington Single Family Home Review
 - c. 1102 Adelia Single Family Home Review
 - d. 4802 Montgomery Single Family Home Review
 - e. 4805 Seeley Single Family Home Review
 - f. 4801 Seeley Single Family Home Review
 - g. 4820 Montgomery Single Family Home Review
 - h. 419 Chicago Single Family Home Review
 - i. 4331 Elm Single Family Home Review
 - j. 4819 Stanley Single Family Home Review
 - k. 812 Red Stable Single Family Home Review
 - 1. 4636 Wilson Sanitary Repair Permit
 - m. 5143 Mochel Sanitary Repair Permit
- 7. Building Sanitary Service Access Agreements:
 - a. 4905 Washington Downers Grove
 - b. 1102 Adelia Downers Grove
 - c. 4802 Montgomery Downers Grove
 - d. 4805 Seeley Downers Grove
 - e. 4801 Seeley Downers Grove
 - f. 4820 Montgomery Downers Grove
 - g. 4331 Elm Downers Grove
 - h. 4819 Stanley Downers Grove
 - i. 812 Red Stable Downers Grove
- 8. Illinois EPA Permits:
 - 4017 Venard Main Sewer Extension
- 9. Waste Hauling Permits Issued:

None

- 10. Miscellaneous:
 - a. Covid-19 pandemic The Code Enforcement Department has continued to function at a high level of service. Inspector Danny Jasso and Oscar Avila have been working in the field using safe social distancing and personal protective equipment as necessary to complete their inspections.
 - b. Inspector Oscar Avila has successfully completed the two day Improving Public Works Construction Inspection Skills course at the University of Wisconsin-Madison. Oscar took this course in person at the University of Wisconsin-Madison.

Permits Issued: MARCH 2022

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2022	14	11102	ADELIA	DG	3/1/2022	SF-RB		\$230.00
2022	126	6031	MARGO	DG	3/2/2022	SF	\$3,318.00	\$230.00
2022	15	4905	WASHINGTON	DG	3/7/2022	SF-RB		\$230.00
2022	16	419	CHICAGO	DG	3/17/2022	SF-RB		\$230.00
2022	17	4331	ELM	DG	3/17/2022	SF-RB		\$230.00
2022	18	4819	STANLEY	DG	3/17/2022	SF-RB		\$230.00
2022	19	5143	MOCHEL	DG	3/18/2022	REPAIR		
2022	25	7361	LEMONT	DG	3/29/2022	СОМ	\$18,960.00	\$381.00
2022	131	4821	SEELEY	DG	3/30/2022	SF-RB		\$230.00
2022	20	4802	MONTGOMERY	DG	3/30/2022	SF	\$3,318.00	\$230.00
2022	21	4805	SEELEY	DG	3/30/2022	SF	\$3,318.00	\$230.00
2022	22	4801	SEELEY	DG	3/30/2022	SF	\$3,318.00	\$230.00
2022	23	4820	MONTGOMERY	DG	3/30/2022	SF	\$3,318.00	\$230.00
2022	24	4636	WILSON	DG	3/31/2022	REPAIR		
					TOTAL:		\$35,550.00	\$2,911.00

Permit Final Inspections: MARCH 2022

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2019	174	7219	MAIN	DG	3/15/2022
2020	60	4534	OAKWOOD	DG	3/17/2022
2021	29	530	41ST	DG	3/24/2022

Progress Report

To: Amy Underwood, General ManagerFrom: Reese Berry, Laboratory SupervisorDate: April 14, 2022Re: March 2022 Laboratory Report

We had 4 days of excess events in March 2022, including one day with 002 Outfall flow while not on excess. We had 1 day of excess flow with C01 in service as well. We had zero permit excursions in March.

Surcharge:

We are evaluating the next season of surcharge sampling that will start in the coming months. We caught up from the year we took off due to Covid 19 staffing protocols, so we are set to work in one of the larger regions for 2022.

Biosolids:

We completed sampling to fulfill our bi-monthly requirements for our Class A Biosolids. All data was acceptable and well below USEPA concentration limits.

Pretreatment:

We will start semi-annual sampling of our permitted users within the next couple of months. It's a good time to drive through the district to see if a new facility has opened under the radar without our knowledge as well. We will be performing a survey in 2022, to see if any non-permitted locations fit the criteria for permitting.

We will also be performing semi-annual sampling of our Influent, Effluent and Biosolids during the next couple months to fulfill permit requirements for various testing parameters. We typically do the sampling during normal flow conditions, so the wet weather has pushed this sampling back for us.

Personnel:

Lab staff has experienced a sharp increase in overtime and calls after hours due to the wet weather this spring, along with other scenarios taking place due to higher flows. We are currently trying to streamline the call-out scenarios, so Operations has a better handle on when lab staff needs to be contacted.

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Re: Engineering Report for the Month March, 2022 Date: April 13, 2022

I. Planning Projects & Studies

A. Flow Monitoring

Cycle F data collection is ongoing. I have provided a Flow Metering Program Update to the end of this report.

B. Sanitary Sewer Televising Contract

Bids were opened for the Televising Contract on March 29th. Staff will be seeking approval to award the contract to the lowest responsive, responsible bidder, Sewertech LLC of Schaumburg, IL in the amount of \$139,473.30 at the April 19, 2022 Board of Trustees Meeting.

C. Sludge Hauling & Land Application Contract

Bids were opened for the Sludge Hauling & Land Application Contract on March 10th. The Contract was awarded to Stewart Spreading of Sheridan, IL in the amount of \$179,920.00 at the March 15, 2022 Board of Trustees Meeting.

D. Outfall Sewer Study

Baxter & Woodman has completed the wetland delineation for the portion of the outfall sewer that was not part of the Outfall Sewer Sag project. The new delineation significantly decreased the wetland buffer area which was impacted by the Outfall Sewer Sag.

E. Butterfield Lift Station Replacement

I have been working on a study to replace our Butterfield Lift Station. A memo of the study is expected to be completed in the spring.

F. OSEC Generator Unit

The electrical issues are still being investigated by Baxter & Woodman and Concentric Integration.

II. Design Projects

A. Outfall 001 Sanitary Sewer Repair

Bids were opened for the Outfall 001 Sanitary Sewer Repair on March 29th. Staff will be seeking approval to award the contract to the lowest responsive, responsible bidder, Archon Construction of Addison, IL in the amount of \$805,092.00 at the April 19, 2022 Board of Trustees Meeting.

B. Curtiss Street Sewer Lining

Congressman Sean Casten was able to secure \$1,080,000 for the lining of both of the Curtiss Street trunk sewers through the federal government's Fiscal Year 2023 Appropriations package. Baxter & Woodman has provided 90% specifications; which Staff is currently reviewing. Please see the Baxter & Woodman Client Status Report for more information.

C. Administration Building Improvements

Design on the Administration Center modifications is ongoing. Modifications will include remodeling of the front entrance and counter and a kitchenette in the Board room.

D. Building Sanitary Sewer Service Repair Assistance Program (BSSRAP)

Bids were opened for the BSSRAP Contract on March 29th. Staff will be seeking approval to award the contract to the lowest responsive, responsible bidder, Uno Construction Co., Inc. of Downers Grove, IL in the amount of \$1,429,766.00 at the April 19, 2022 Board of Trustees Meeting.

III. Construction Projects

A. 1K-028 Flow Basin Rehabilitation – Phase 3

The remaining restorations and punch list items will be complete in Spring 2022.

B. Centex Lift Station Replacement

Berger Excavating Contractors, Inc. submitted Pay Request No. 1 this month.

A	Original Contract Sum	А		\$1,455,000.00
В	Net Change by Change Orders to Date	В	+	\$0.00
С	Contract Sum to Date	A+B = C		\$1,455,000.00

D	Total Completed and Stored to Date	D	\$67,750.00
Е	Retainage	E	- \$6,775.00
F	Total Earned Less Retainage	D-E= F	\$60,975.00

G	Less Previous Certificates for Payment	Previous Payments	- \$0.00
Н	Current Payment Due	F-G= H	\$60,975.00

The Contractor is in the processing of preparing shop drawings for review. It is anticipated that the Contractor will not break ground until May.

IV. Miscellaneous

I attended the following meetings in the month of March:

- IAWA Technical Committee on March 4th.
- CSWEA Illinois Section Meeting on March 30th.

C: BOT, BOLI, CS & MGP

Downers Grove Sanitary District



Client Manager:

Derek Wold dwold@baxterwoodman.com 815-444-3335

Project Status Report Issued On: 3/23/2022

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
Flow Monitoring Job Number: [050739.90]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/30/2019	None.	Assist District with analysis.	None	3/17/2022
Nutrient Study RAS Denit Job Number: [120501.33]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2020	Met with Alex and discussed BNR scenarios.	Evaluation of scenarios as requested by District. Discuss KWRD presentation.	Results after reinstating ATs 1-3.	3/17/2022
1K-028 Flow Basin Rehabilitation Construction Services Job Number: [150980.62]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	4/30/2022	Assist Project Closeout	None		3/17/2022
Outfall Sewer Study Job Number: [180237.30]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	5/25/2022	None.	None.	Direction on further work.	3/17/2022
Outfall Sewer Sag Repair Job Number: [180237.40]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/31/2019	Sent Final Bid Documents to District. Advertise project. Assist bidders.	Assist bidders. Attend Pre-Bid Conference. Prepare Addendum. Attend Bid Opening. Prepare Award Recommendation Letter.	None.	3/17/2022
Centex PS Replacement - CS Job Number: [181059.60]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	8/1/2022	Ongoing construction administration tasks and submittal review	Submittal Review, Ongoing GCA/RPR Tasks.		3/17/2022

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
Sludge Storage Building Job Number: [200381.40]	Chuck Brunner 815-444-3210 cbrunner@baxterwoodman.com	4/1/2021	None	None	Project construction postponed. Pending client review comments on preliminary design and determination of acceptable location for contractor material storage and staging area.	3/15/2022
Curtiss Street CIPP Lining Job Number: [211126.40]	Reggie Jansen 815-444-3391 rjansen@baxterwoodman.com	5/30/2022	Project Management, Finalize Bidding Documents, Client Review Manual to District	Wait for funding source		3/17/2022
Admin Building Remodel Job Number: [220125.40]	Jason Ruffatti 815-444-3237 jruffatti@baxterwoodman.com	6/30/2022	Recieved preliminary architectural design drawings from OEMA.	Discuss preliminary architectural & MEP plans with DGSD. MEP drawings are pending.	None.	3/15/2022
2022 Miscellaneous Engineering Services Job Number: [220150.00]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2022	Venard PS ComEd and easements, BSSRAP specs	Assistance as request.	None.	3/17/2022

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp

Providing a Better Environment for South Central DuPage County

Memo To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer Date: April 12, 2022 Subject: Flow Monitoring Program Update

The Downers Grove Sanitary Wastewater Treatment Center (WWTC) has a design average capacity of 11 million gallons per day. The WWTC experiences increased flow rates as a result of inflow and infiltration (I&I) into the collection system from rainfall events. High volume events could result in flows at the WWTC ten times the design average flow. I&I that enters the collection system can cause sewer backups on private property and sewer overflows in the field.

Roof downspouts, sump pumps, storm sewers directly discharging into the collection system, and manhole lids with open pick holes are all common sources of inflow, which increase the peak wet weather flow at the beginning of a rain event. As the storm duration increases, the increasing ground water table flows infiltrates leaking sewer service connections, sewer pipe joints, and cracks in the sewer pipe. Infiltration into the collection system potentially could be higher in areas close to creeks and Low-lying Poorly Drained Areas (LDPAs).

The District implemented a flow monitoring program 25 years ago with the goal of determining where I&I from the above mentioned sources is entering our collection system. The collection system was split into 15 monitoring groups that are rotated approximately every three months. Velocity and water level data collected from the meters is used to calculate an I&I number for each of the 150 metering locations. The I&I numbers are used to rank the metering locations. The higher the I&I number, the more I&I coming into the collection system in that flow basin. These rankings are updated at the beginning of each year. Starting in 2022, maps showing the metering locations and rankings will also be provided annually.

The intent of this update is to provide a yearly visual representation of the performance of the collection system in terms of I&I. District Staff will use this update to define the scope of future rehabilitation work and programs and to prioritize those efforts.

C: BOT, BOLI, CS, RPS, TMF & MGP

Downers Grove Sanitary District Flow Monitoring Program

			Through January 2022	
Manhole	a	р і	Average I/I	Rank
Number	Group	Region	Number	1 = Highest I/I
2-D-16	С	Central	32.78	1
W-1-4	Μ	Hobson	27.67	2
N-1-3	E	Northwest	23.58	3
1-G-18	Ι	Central	23.34	4
1-L-19-1	Н	Central	21.27	5
W-2-3	Μ	Hobson	20.95	6
1-J-9	А	Central	20.81	7
N-1-25	Е	Northwest	20.64	8
2-C-25	С	Central	19.34	9
1-M-8	Н	Central	19.12	10
1-F-9	Ι	Central	18.78	11
W-1-12	Μ	Hobson	18.41	12
G-1-15	В	Central	17.65	13
1-K-10	А	Central	17.37	14
V-2-31	О	Northwest	17.07	15
1-M-15	Н	Central	16.67	16
1-K-28	А	Central	16.39	17
N-1-38	E	Northwest	16.30	18
1-A-3	Κ	Central	16.11	19
1-G-35	Н	Central	16.04	20
2-D-4	С	Central	15.29	21
V-1-15	Ο	Northwest	14.58	22
E-1-14	Ο	Central	14.54	23
G-2-1	В	Central	14.27	24
2-A-42	Κ	Central	14.23	25
G-6-2	В	Central	14.10	26
1-H-4	Н	Central	14.04	27
1-B-10	J	Central	13.80	28
2-G-5	С	Central	13.27	29
E-1-26	Ο	Central	13.24	30
V-4-2	Ν	Central	12.56	31
B-1-000	Е	Northwest	12.52	32
C-1-000	L	Hobson	12.41	33

I/I Ranking Summary - Highest I/I to Lowest I/I

1-D-8	J	Central	12.26	34
1-G-5	А	Central	12.21	35
G-5-15	В	Central	12.16	36
L-1-111	Ν	Central	12.05	37
2-F-1	С	Central	11.59	38
1-N-11	А	Central	11.41	39
1-E-38	Ι	Central	10.96	40
V-3-82	Ν	Central	10.75	41
L-1-000	Ν	Central	10.53	42
1-A-128	Κ	Central	10.31	43
1-G-14S	Ι	Central	10.14	44
W-2-42	Μ	Hobson	10.13	45
H-3-48	D	Hobson	10.08	46
H-1-22	F	Hobson	10.06	47
W-2-7	Μ	Hobson	10.02	48
1-G-46	А	Central	9.99	49
V-3-13	Ν	Central	9.96	50
2-F-2	С	Central	9.79	51
G-3-11	В	Central	9.67	52
1-B-2	J	Central	9.57	53
L-1-33	Ν	Central	9.45	54
1-J-16	А	Central	9.30	55
H-4-75	F	Hobson	9.22	56
W-1-2	Μ	Hobson	9.21	57
W-1-30	Μ	Hobson	9.19	58
L-1-17	Ν	Central	9.17	59
1-F-31	Ι	Central	9.03	60
L-1-13	Ν	Central	9.03	61
1-M-12A	Н	Central	8.99	62
H-3-18	D	Hobson	8.98	63
2-A-8	L	Central	8.88	64
1-N-1A	А	Central	8.87	65
1-C-6	J	Central	8.55	66
1-C-50	K	Central	8.53	67
1-J-3-1	А	Central	8.25	68
W-2-15	Μ	Hobson	8.20	69
1-A-10	K	Central	8.07	70
2-C-1	С	Central	8.03	71
W-1-65	Μ	Hobson	7.89	72
2-E-5	С	Central	7.88	73
1-J-14	А	Central	7.75	74
1-L-12R	В	Central	7.69	75
G-4-4A	В	Central	7.61	76

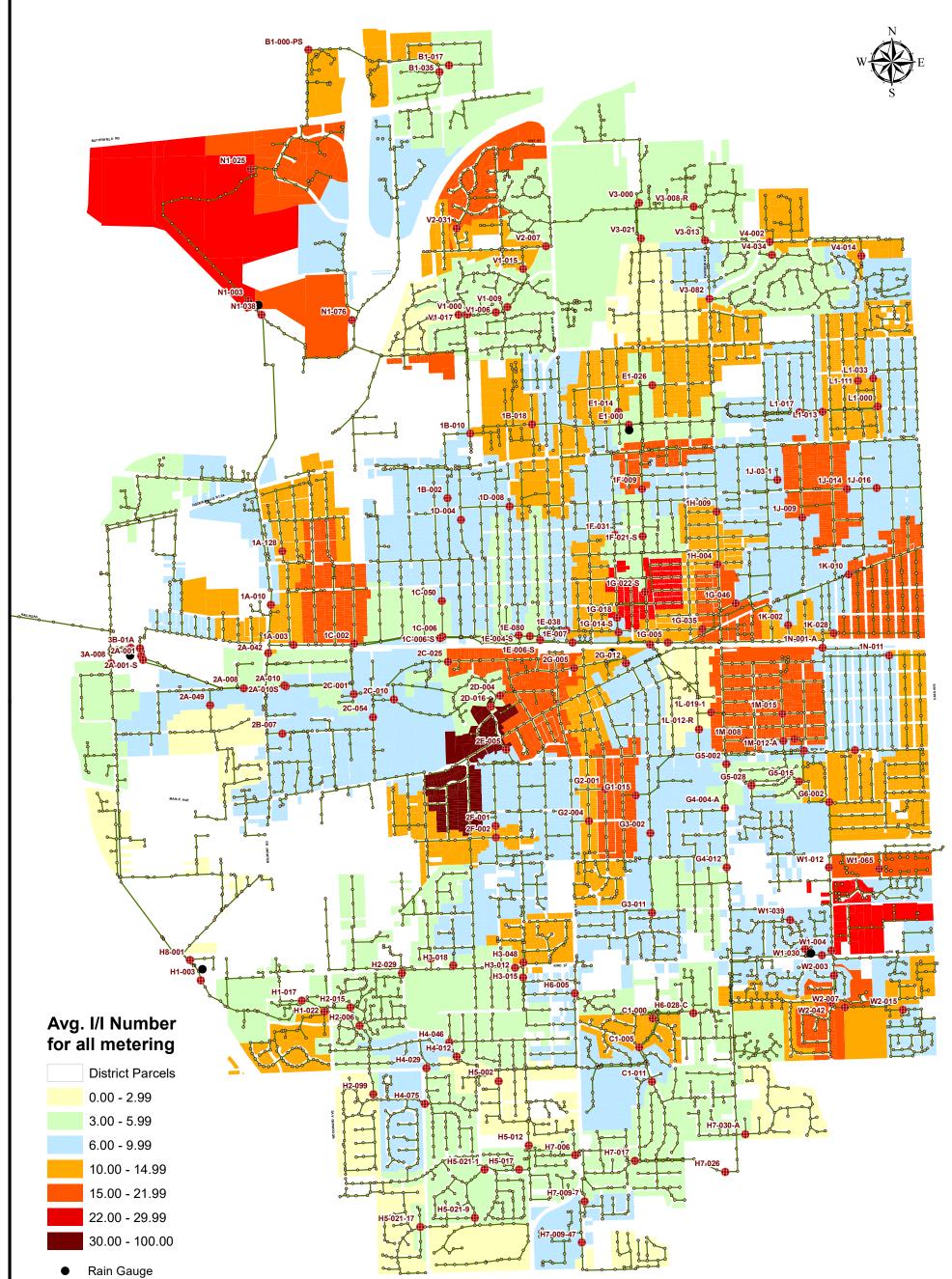
1-D-4	J	Central	7.59	77
2-G-12	у С	Central	7.58	78
2 G 12 1-K-2	A	Central	7.47	70 79
1-F-21S	I	Central	7.18	80
V-4-14	N	Central	7.17	81
1-E-7	I	Central	7.12	82
H-7-9-7	G	Hobson	7.01	83
1-C-6S	J	Central	7.01	84
2-B-7	L	Central	6.94	85
W-1-39	M	Hobson	6.91	86
H-3-15	D	Hobson	6.86	87
2-A-1	L	Central	6.80	88
C-1-5	L	Hobson	6.77	89
1-E-6S	Ι	Central	6.69	90
1-H-9	Н	Central	6.64	91
2-A-10S	K	Central	6.61	92
1-B-18	J	Central	6.60	93
G-2-4	В	Central	6.48	94
3-B-1A	Е	WWTC	6.36	95
G-3-3	В	Central	6.29	96
G-5-28	В	Central	6.26	97
2-C-54	С	Central	6.25	98
H-2-6	F	Hobson	6.25	99
N-1-76	Е	Northwest	6.06	100
H-3-12	D	Hobson	5.96	101
1-G-22S	Ι	Central	5.95	102
H-5-21-1	G	Hobson	5.93	103
H-2-15	D	Hobson	5.89	104
V-1-9	О	Northwest	5.86	105
1-E-80	J	Central	5.80	106
2-A-10	K	Central	5.75	107
H-2-29	D	Hobson	5.73	108
H-7-26	G	Hobson	5.65	109
G-4-12	В	Central	5.63	110
1-E-4S	J	Central	5.58	111
V-3-8R	Ν	Central	5.41	112
H-1-3	F	Hobson	5.35	113
2-A-1S	L	Central	5.25	114
H-5-17	G	Hobson	5.21	115
V-4-34	N	Central	5.14	116
G-5-2	B	Central	5.13	117
1-C-2	K	Central	5.13	118
H-4-46	F	Hobson	5.09	119

B-1-17	Е	Northwest	4.97	120
H-1-17	F	Hobson	4.89	121
C-1-11	L	Hobson	4.83	122
H-6-5	D	Hobson	4.80	123
V-1-000	Ο	Northwest	4.62	124
H-6-28C	D	Hobson	4.61	125
V-1-6	Ο	Northwest	4.51	126
V-2-7	Ο	Northwest	4.24	127
2-C-10	С	Central	4.19	128
V-3-000	Ι	Central	4.13	129
B-1-35	Е	Northwest	3.97	130
H-3-2-2	D	Hobson	3.96	131
3-A-2	Ε	WWTC	3.79	132
3-A-8	Ε	Hobson	3.60	133
H-4-29	F	Hobson	3.56	134
H-7-17	G	Hobson	3.45	135
H-5-12	G	Hobson	3.45	136
H-7-6	G	Hobson	3.37	137
E-1-000	0	Central	3.25	138
V-1-17	0	Northwest	2.90	139
H-5-21-9	G	Hobson	2.78	140
1-G-28R	Н	Central	2.73	141
H-7-30A	G	Hobson	2.57	142
H-2-99	F	Hobson	2.50	143
H-5-21-17	G	Hobson	2.43	144
H-7-9-47	G	Hobson	2.39	145
H-4-12	F	Hobson	2.38	146
2-A-49	L	Central	2.12	147
H-5-2	G	Hobson	2.03	148
V-3-21	Ν	Central	1.67	149
H-8-1	F	Hobson	1.31	150



Downers Grove Sanitary District Individual Flow Basin I/I Number



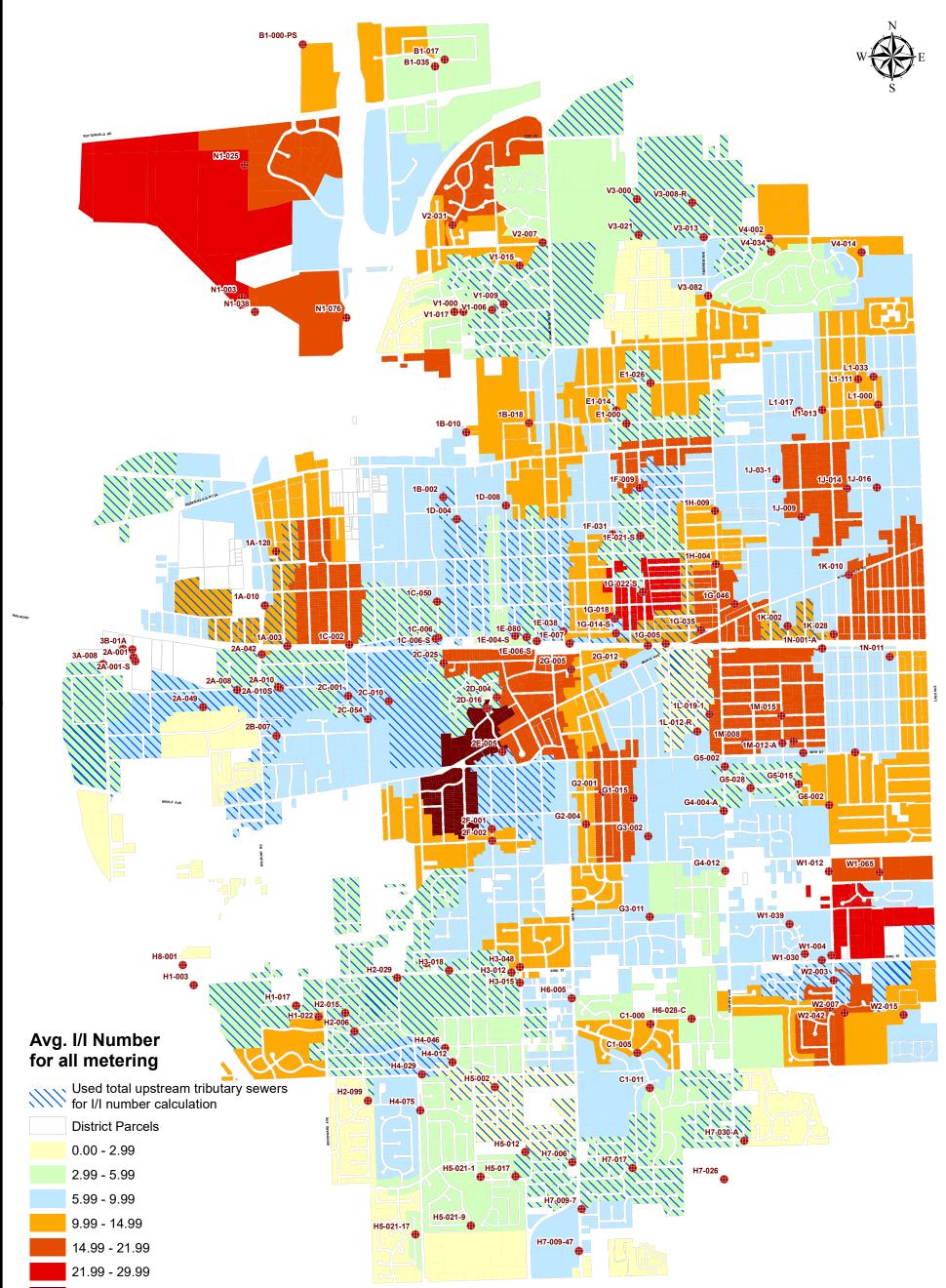


- Flow Meter

Revised: March 2022



Downers Grove Sanitary District Flow Basin I/I Numbers





75TH ST

Revised: March 2022



Downers Grove Sanitary District I&I Removal Target Area 1K-028 Parcel Status



141

38

1378

92

2016_Sanitary Sewers Replaced ParcelsAssessmentRealEstate

SWNETMHG

Manholes Mainlines

1K-028 Parcels

Inspection Needed Status

1A Has a Cleanout And All PVC Service

1B All PVC Service No OSCO

2A C/O Installed, Ready For Rehab

2AI C/O Installed Needs Investigation

2B Agreement Received Ready For C/O

2BC Agreements Received, C/O & TV Needed 2D BSSRAP/OHSP TV Done

3A Released For Cleanout

4 Inspection Done Agreements Needed

4A Has An Existing Cleanout

5 Sheduled For An Inspection

5A Inspection Done Qualifies for BSSRAP 5B Unable to TV

5BX Unable to TV, Violation

5X Violation X Demolished/Vacant

STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
Y	Y	Ν	Y	Y	N/A	19	8%
Y	Y	Ν	Ν	Ν	N/A	1	0%
Y	Y	Y	Y	Y	Ν	82	36%
Y	Y	Y	Y	Y	Ν	17	7%
Y	Y	Y	Ν	Ν	Ν	3	1%
Y	Y	Y	Y	Ν	Ν	4	2%
Y	Y	Ν	Ν	Ν	Ν	38	17%
Ν	Ν	Ν	Ν	N/A	Ν	4	2%
Y	Ν	Ν	Ν	Ν	Ν	0	0%
Y	Y	Ν	Ν	Ν	Ν	11	5%
Y	Y	Ν	Ν	Ν	Ν	0	0%
Y	Ν	Ν	Ν	Ν	Ν	12	5%
Y	Ν	Ν	Ν	Ν	Ν	1	0%
Ν	Ν	Ν	Ν	Ν	Ν	30	13%
-	-	-	-	-	-	5	2%
-	-	-	-	-	-	1	0%
 PVC service w All PVC no Cle Cleanout instal Ready for reha BSSRAP/OHS Released to co Inspection com Has an existing Inspections scl Inspection don 	ith cleanout(may i eanout lled, ready for reha b P TV done ontractor for clean opleted (Program g cleanout heduled e - BSSRAP need	ab out installation application neede	ed)	ons seen during	TV)		I Ranking = 27
	Scheduled Y N - cory Description PVC service w All PVC no Clession com Cleanout insta Ready for rehat BSSRAP/OHS Released to com Has an existing Inspection com Has an existing Inspection sc Inspection dom	ScheduledCompletedYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYNYYYNYNYNYNYNNNNN </td <td>Scheduled Completed Received Y Y N Y Y N Y Y N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y N Y Y N Y Y N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N PVC service with cleanout(may ne</td> <td>ScheduledCompletedReceivedSignedYYYNYYYYNYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYNYYYNYYNNYYNNYYNNYYNNYYNNYYNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNNNNNNNNNNNNNOctoanoutEleas</td> <td>Scheduled Completed Received Signed Installed Y Y N N Y Y Y Y N N N N Y Y Y N N N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y N N Y Y Y Y N N Y Y Y N N N Y Y Y N N N Y Y N N N N Y N N N N N Y N N N N N Y N N N N N Y N N N N N Y</td> <td>Inspections Inspections Application Agreements Cleanout Rehab Y Y N Y N/A Y Y N Y Y Y Y N N N Y Y N N N Y Y Y N N N/A Y Y Y Y Y N Y Y Y Y Y N Y Y Y Y N N Y Y Y Y N N Y Y Y Y N N Y Y Y N N N Y Y Y N N N Y Y N N N N Y Y N N N N Y Y N N N N Y Y N N N N Y Y N N N N Y N N N N N Y N N</td> <td>Inspections Inspections Application Agreements Cleanout Rehab Totals Y Y N N Y N/A 19 Y Y N N N N/A 19 Y Y N N N N/A 19 Y Y N N N N/A 1 Y Y N N N N/A 1 Y Y Y Y N N/A 1 Y Y Y Y Y N 82 Y Y Y Y N N 32 Y Y Y N N N 4 Y Y N N N 38 N 4 Y N N N N N 11 Y N N N N 11 11 Y N N N N 11 12 <tr< td=""></tr<></td>	Scheduled Completed Received Y Y N Y Y N Y Y N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y N Y Y N Y Y N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N PVC service with cleanout(may ne	ScheduledCompletedReceivedSignedYYYNYYYYNYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYNYYYNYYNNYYNNYYNNYYNNYYNNYYNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNYNNNNNNNNNNNNNNNOctoanoutEleas	Scheduled Completed Received Signed Installed Y Y N N Y Y Y Y N N N N Y Y Y N N N Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y N N Y Y Y Y N N Y Y Y N N N Y Y Y N N N Y Y N N N N Y N N N N N Y N N N N N Y N N N N N Y N N N N N Y	Inspections Inspections Application Agreements Cleanout Rehab Y Y N Y N/A Y Y N Y Y Y Y N N N Y Y N N N Y Y Y N N N/A Y Y Y Y Y N Y Y Y Y Y N Y Y Y Y N N Y Y Y Y N N Y Y Y Y N N Y Y Y N N N Y Y Y N N N Y Y N N N N Y Y N N N N Y Y N N N N Y Y N N N N Y Y N N N N Y N N N N N Y N N	Inspections Inspections Application Agreements Cleanout Rehab Totals Y Y N N Y N/A 19 Y Y N N N N/A 19 Y Y N N N N/A 19 Y Y N N N N/A 1 Y Y N N N N/A 1 Y Y Y Y N N/A 1 Y Y Y Y Y N 82 Y Y Y Y N N 32 Y Y Y N N N 4 Y Y N N N 38 N 4 Y N N N N N 11 Y N N N N 11 11 Y N N N N 11 12 <tr< td=""></tr<>

- 0 Inspection Needed
- X Demolished
- 5X Inspection done Violation not corrected

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 3/31/2022

							PREVIOUS MONTH				
CAS	H BALANCES				-	TOTAL BALANCE					
ACCC	DUNT NAME	ACCOUNT NUM	BER	BALANCE PER BANK STATEMENT		PER BANK STATEMENTS	MONTHLY EARNINGS CREDIT	EARNINGS CREDIT PERCENTAGE			
Dise Flex Pay Pet	osit Sursement Kible Benefits Roll Ty Cash R Refunds	XXXXXXXXXXX111 XXXXXXXXXXX111 XXXXXXXXX	1 5 7 2	\$2,965,971.43 127,463.40 2,942.88 150,959.39 1,638.93 5,264.65							
ΤΟΤΑ	L - CASH AT BANK			\$3,254,240.68		\$2,946,319.36	\$326.98	0.0111%			
INVE	STMENTS					GENERAL			PUBLIC	SEWER	INTEREST
TYPE	FINANCIAL INSTITUTION	TERM	MATURITY	AMOUNT	ANNUAL INT. RATE	CORPORATE FUND (01)	IMPROVEMENT FUND (02)	CONSTRUCTION FUND (03)	BENEFIT FUND (05)	EXTENSION FUND (71)	EARNED AT MATURITY
CD	FIRST MIDWEST BANK	13 MOS	4/7/2022	\$250,000.00	0.150%	\$250,000.00					\$406.25
CD	ROYAL SAVINGS BANK	13 MOS	8/2/2022	\$250,000.00	0.250%	\$250,000.00					\$677.08
ΤΟΤΑ	L CDs			\$500,000.00	0.217%	\$500,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,083.33
TYPE	FINANCIAL INSTITUTION	TERM	LAST ACTION DATE	AMOUNT*	CURRENT RATE OF RETURN						ESTIMATED ANNUAL RETURN
MM	AXOS BANK	ONGOING	10/30/2020	\$249,759.63	0.200%	\$249,759.63					\$499.52
MM	BANKFINANCIAL	ONGOING	3/13/2013	\$250,182.37	0.150%	\$250,182.37					\$375.27
MM	ONE WEST BANK	ONGOING	11/9/2016	\$250,000.00	0.150%	\$250,000.00					\$375.00
MM	EVERGREEN BANK GROUP	ONGOING	2/23/2021	\$250,000.00	0.200%	\$250,000.00					\$0.00
MM	LIMESTONE BANK	ONGOING	1/25/2021	\$250,748.83	0.260%	\$250,748.83					\$651.95
MM	LISLE SAVINGS BANK	ONGOING	11/10/2020	\$250,009.92	0.300%	\$250,009.92					\$750.03
MM	LUANA SAVINGS BANK	ONGOING	10/29/2020	\$250,000.00	0.750%	\$250,000.00					\$1,875.00
MM	ROYAL SAVINGS BANK	ONGOING	12/4/2012	\$154.48	0.000%	\$154.48					\$0.00
MM	STEARNS BANK	ONGOING	9/1/2015	\$250,000.00	0.500%	\$250,000.00					\$1,250.00
MM	TRISTATE CAPITAL BANK	ONGOING	4/16/2021	\$250,011.91	0.150%			\$250,011.91			\$375.02
MM	WEST SUBURBAN BANK	ONGOING	11/20/2012	\$5,144.09	0.000%			\$5,144.09			\$0.00
ΤΟΤΑ	L MM ACCOUNTS			\$2,256,011.23	0.273%	\$2,000,855.23	\$0.00	\$255,156.00	\$0.00	\$0.00	\$6,151.79
ILLING	DIS FUNDS - MONEY MARKET			\$2,521,602.92	0.076%	\$1,101,000.12	\$863,172.78	\$557,430.02	\$0.00	\$0.00	\$1,916.42
ΤΟΤΑ	L - ALL INVESTMENTS			\$5,277,614.15	0.173%	\$3,601,855.35	\$863,172.78	\$812,586.02	\$0.00	\$0.00	\$9,151.54

TOTAL CASH AND INVESTMENTS \$8,531,854.83

*INVESTMENT ACCOUNT BALANCES ARE UPDATED QUARTERLY FOR THESE MONEY MARKET ACCOUNTS TO REFLECT NOMINAL INTEREST AMOUNTS EARNED EACH MONTH AND POSTED DIRECTLY TO THE INVESTMENT.

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang

Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org

Providing a Better Environment for South Central DuPage County

MEMORANDUM

To: Board of Trustees From: Amy R. Underwood, General Manager Date: April 14, 2022 Subject: Treasurer's Report for March 2022

Attached please find the subject report that tracks income and expenses through the first eleven months of Fiscal Year 21-22.

Totals of expenses and income are shown on the following table:

Year-to-date	Income	Expenses
General Fund	\$ 9,574,658.51 (page 1)	\$ 7,830,067.46 (page 6)
Improvement Fund	\$ 131,811.10 (page 7)	\$ 110,156.35 (page 7)
Construction Fund	\$ 360,467.08 (page 8)	\$ 14,403.64 (page 9)
Public Benefit Fund	\$ 13.19 (page 10)	\$ 0.00 (page 10)
TOTAL	\$10,066,949.88	\$ 7,954,627.45

C: BOLI, MGP, CS

General Manager Amy R. Underwood, P.E.

Legal Counsel Michael G. Philipp Date: 04/06/2022 Page: 1

Fund number & Description	Ending
	Fund Balance
Fund 01 : GENERAL FUND	\$5,960,991.64
Fund 02 : IMPROVEMENT FUND	\$1,141,898.67
Fund 03 : CONSTRUCTION FUND	\$1,611,107.64
Fund 05 : PUBLIC BENEFIT FUND	\$37,817.83
Recap Totals	\$8,751,815.78

	TREASURER'S REPORT		
6/22	MONTH ENDED 03/31/22	PAGE	1

DATE 04/06/22 FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	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	.00	0	1,301,387.92-	1,291,800-	9,587.92-	.7	1,291,800-
3001 USER RECEIPTS	356,955.84-	330,446-	3,401,249.94-	3,220,347-	180,902.94-	5.6	3,470,300-
3002 SURCHARGES	33,549.38-	29,281-	334,062.64-	285,352-	48,710.64-	17.1	307,500-
3004 PLAN REVIEW FEES	.00	0	2,636.62-	500-	2,136.62-	427.3	500-
3005 CONSTRUCTION INSPECTION FEES	.00	0	547.50-		47.50-	9.5	500-
3006 PERMIT INSPECTION FEES	2,911.00-				209.00	1.1-	
3007 INTEREST ON INVESTMENTS	459.99-				9,847.17	59.7-	
3013 SAMPLING AND MONITORING	12,073.22-		103,901.16-		35,151.16-	51.1	75,000-
3014 REPLACEMENT TAXES	37,975.95-		170,080.66-		110,880.66-	187.3	75,000-
3015 MISCELLANEOUS INCOME	200.00-		10,999.02-		1,836.02-	20.0	10,000-
3021 TELEVISION INSPECTION	.00	0	.00	150-	150.00	100.0-	
3023 PROPERTY LEASE PAYMENTS	3,016.46-				520.76-	1.6	35,000-
3024 MONTHLY SERVICE FEES	416,157.97-		3,850,847.29-		16,460.29-		4,132,000-
3027 GREASE WASTE	9,907.40-		181,234.90-		20,515.10	10.2- 100.0-	
3040 RENEWABLE ENERGY CREDITS 3094 GRANTS AND INCENTIVES	.00	0	.00 160,259.27-	2,250-	2,250.00		3,000-
3094 GRANIS AND INCENIIVES	.00	0 =======			160,259.27- 	.0 =======	
DEPT 05 TOTALS	873,207.21-		9,574,658.51-		533,522.51-		9,658,750-
FUND REVENUE TOTAL	873,207.21-		9,574,658.51-		533,522.51-		9,658,750-
DEPT 11 O & M EXPENSES - ADMINISTRATION							
DEPT 11 O & M EXPENSES - ADMINISTRATION SECT A SALARIES AND WAGES							
	.00	0	18,000.00	18,000	.00	. 0	18,000
SECT A SALARIES AND WAGES	.00 .00	0 0	18,000.00 .00	18,000 900	.00 900.00-	.0 100.0-	
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT	.00 14,972.18						900 296,500
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS	.00 14,972.18 16,661.90	0 24,823 16,124	.00 207,254.76 192,073.95	900 282,118 193,488	900.00- 74,863.24- 1,414.05-	100.0- 26.5- .7-	900 296,500 201,550
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS	.00 14,972.18 16,661.90 1,725.66	0 24,823 16,124 1,968	.00 207,254.76 192,073.95 24,311.92	900 282,118 193,488 23,617	900.00- 74,863.24- 1,414.05- 694.92	100.0- 26.5- .7- 2.9	900 296,500 201,550 24,600
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING	.00 14,972.18 16,661.90 1,725.66 .00	0 24,823 16,124 1,968 472	.00 207,254.76 192,073.95 24,311.92 3,507.49	900 282,118 193,488 23,617 5,664	900.00- 74,863.24- 1,414.05- 694.92 2,156.51-	100.0- 26.5- .7- 2.9 38.1-	900 296,500 201,550 24,600 5,900
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10	0 24,823 16,124 1,968 472 29,516	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48	900 282,118 193,488 23,617 5,664 354,192	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52-	100.0- 26.5- .7- 2.9 38.1- 13.7-	900 296,500 201,550 24,600 5,900 368,950
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14	0 24,823 16,124 1,968 472 29,516 3,188	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60	900 282,118 193,488 23,617 5,664 354,192 38,256	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4-	900 296,500 201,550 24,600 5,900 368,950 39,850
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99	0 24,823 16,124 1,968 472 29,516 3,188 432	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00	0 24,823 16,124 1,968 472 29,516 3,188 432 0	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99	0 24,823 16,124 1,968 472 29,516 3,188 432	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364 76,887	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98- 430.50-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364 76,887	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368 941,288	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98- 430.50- 144,429.38-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE SECT A TOTALS	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 0 364 76,887	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98- 430.50-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE SECT A TOTALS SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50 ======= 63,757.47	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 0 364 76,887	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50 796,858.62	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368 941,288	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98- 430.50- 144,429.38- 3,730.78	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3- 88.8	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700 4,450 3,000
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE SECT A TOTALS SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY B101 NATURAL GAS	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50 	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364 76,887 250 350	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50 796,858.62 796,858.62	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368 941,288 941,288	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 775.00- 7,049.98- 430.50- 144,429.38- 3,730.78 1,264.52-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3- 88.8 45.2-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700 4,450 3,000
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY B101 NATURAL GAS	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50 ====================================	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364 76,887 250 350 190	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50 796,858.62 7,930.78 1,535.48 802.95	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368 941,288 941,288 4,200 2,800 1,250	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 7,049.98- 430.50- 7,049.98- 430.50- 144,429.38- 3,730.78 1,264.52- 447.05-	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- ====== 15.3- 88.8 45.2- 35.8-	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700 981,700 4,450 3,000 1,250
SECT A SALARIES AND WAGES A001 TRUSTEES A002 BOLI A003 GENERAL MANAGEMENT A004 FINANCIAL RECORDS A005 ADMINISTRATIVE RECORDS A006 ENGINEERING A007 CODE ENFORCEMENT A008 SAFETY ACTIVITIES A030 BUILDING AND GROUNDS A085 INCENTIVE A086 VACATION BUYOUT A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY B101 NATURAL GAS B102 WATER, GARBAGE AND OTHER UTILITIES B110 BANK CHARGES	.00 14,972.18 16,661.90 1,725.66 .00 26,663.10 3,310.14 111.99 .00 .00 312.50 ====================================	0 24,823 16,124 1,968 472 29,516 3,188 432 0 0 364 76,887 250 350 190 1,500	.00 207,254.76 192,073.95 24,311.92 3,507.49 305,825.48 33,139.60 1,132.90 2,025.00 5,650.02 3,937.50 796,858.62 7,930.78 1,535.48 802.95 19,952.96	900 282,118 193,488 23,617 5,664 354,192 38,256 5,185 2,800 12,700 4,368 941,288 941,288 4,200 2,800 1,250 17,500	900.00- 74,863.24- 1,414.05- 694.92 2,156.51- 48,366.52- 5,116.40- 4,052.10- 7,049.98- 430.50- 7,049.98- 430.50- 144,429.38- 3,730.78 1,264.52- 447.05- 2,452.96	100.0- 26.5- .7- 2.9 38.1- 13.7- 13.4- 78.2- 27.7- 55.5- 9.9- 15.3- 88.8 45.2- 35.8- 14.0	900 296,500 201,550 24,600 5,900 368,950 39,850 5,400 2,800 12,700 4,550 981,700 981,700 4,450 3,000 1,250 19,000 24,000

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	olo	BUDGET
Bll6 SUPPLIES	187.39	625	3,482.42	 6,875	======================================	49.4-	7,500
B117 EMPLOYEE/DUTY COSTS	1,054.00	1,400	4,994.13	15,400	10,405.87-	67.6-	16,750
B118 BUILDING AND GROUNDS	1,407.40	1,000	39,054.43	165,000	125,945.57-	76.3-	166,000
B119 POSTAGE	1,006.65	650	3,217.71	7,350	4,132.29-	56.2-	8,000
B120 PRINTING/PHOTOGRAPHY	315.16	300	8,141.55	12,200	4,058.45-	33.3-	12,500
B121 USER BILLING MATERIALS	5,892.33	6,250	62,763.03	68,750	5,986.97-	8.7-	75,000
B124 CONTRACT SERVICES	8,989.26	8,875	48,925.69	97,625	48,699.31-	49.9-	106,500
B137 MEMBERSHIPS/SUBSCRIPTIONS	425.00	620	6,759.88	9,290	2,530.12-	27.2-	9,500
SECT B TOTALS	28,937.30	36,610	306,247.90	588,840	282,592.10-	48.0-	624,450
SECT C VEHICLES							
C222 GAS/FUEL	115.95	100	678.82	1,400	721.18-	51.5-	1,500
C225 OPERATION/REPAIR	127.09	0	1,217.11	2,600	1,382.89-	53.2-	2,600
C226 VEHICLE PURCHASES	.00	0	.00	17,500	17,500.00-	100.0-	17,500
SECT C TOTALS	243.04	100	1,895.93	21,500	19,604.07-	91.2-	21,600
DEPT 11 TOTALS	92,937.81	113,597	1,105,002.45	1,551,628	446,625.55-	28.8- 2	L,627,750
DEPT 12 O & M EXPENSES - WWTC							
SECT A SALARIES AND WAGES							
A006 ENGINEERING	4,552.34	3,328	47,533.42	39,936	7,597.42	19.0	41,600
A009 OPERATIONS MANAGEMENT	8,492.79	7,980	91,688.81	95,760	4,071.19-	4.3-	99,750
A010 MAINTENANCE - BUDGET	.00	48,220	.00	565,619	34,807.16-	6.2-	591,900
A011 MAINTENANCE - WWTC	33,554.16	0	379,739.77	0	.00	.0	0
A012 MAINTENANCE - VEHICLES	.00	0	427.69 1,885.93	0	.00	.0	0
A013 MAINTENANCE - ENERGY RECOVERY A014 MAINTENANCE - ELECTRICAL	67.64 14,769.45	0	148,758.45	0	.00 .00	.0 .0	0
A014 MAINIEMANCE - ELECTRICAL A020 WWTC - BUDGET	.00	45,552	.00	546,624	6,019.78-	1.1-	569,400
A021 WWIC - OPERATIONS	34,171.01	43,352	373,578.72	0	.00	.0	0
A021 WWIC - SLUDGE HANDLING	8,971.45	0	159,247.78	0	.00	.0	0
A022 WWTC - ENERGY RECOVERY	858.79	0	7,777.72	0	.00	.0	0
A030 BUILDING AND GROUNDS	10,506.10	8,972	94,032.27	107,664	13,631.73-	12.7-	,112,150
A085 INCENTIVE	.00	0,2,2	2,000.00	3,400	1,400.00-	41.2-	3,400
A086 VACATION BUYOUT	.00	0	4,870.84	24,850	19,979.16-	80.4-	24,850
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	52	50.00	624	574.00-	92.0-	650
SECT A TOTALS	115,943.73	114,104	1,311,591.40	1,384,477	 72,885.60-	5.3- 2	L,443,700
SECT B OPERATIONS AND MAINTENANCE							
B100 ELECTRICITY	11,292.18	8,000	54,772.72	85,000	30,227.28-	35.6-	93,000
B101 NATURAL GAS	1,933.98	1,300	7,902.44	9,200	1,297.56-	14.1-	10,000
B102 WATER, GARBAGE AND OTHER UTILITIES	3,239.01	4,650	26,251.31	34,000	7,748.69-	22.8-	35,000
B103 ODOR CONTROL	.00	200	3,391.00	2,700	691.00	25.6	3,000
B104 FUEL - GENERATORS	.00	0	205.00	14,000	13,795.00-	98.5-	14,000
B112 COMMUNICATION	5,039.84	1,750	18,995.24	20,250	1,254.76-	6.2-	22,000
B113 EMERGENCY/SAFETY EQUIPMENT	1,700.47	1,500	16,665.09	21,500	4,834.91-	22.5-	23,000

FUND 01 GENERAL FUND

COST	ACTUAL CURRENT	BUDGET CURRENT	ACTUAL	BUDGET	ACTUAL- BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	8	BUDGET
B116 SUPPLIES	1,847.47	2,600	22,436.83	28,700	 6,263.17-	21.8-	31,300
B117 EMPLOYEE/DUTY COSTS	1,217.96	2,000	12,992.99	25,000	12,007.01-	48.0-	26,000
B124 CONTRACT SERVICES	.00	0	216,110.00	216,100	10.00	.0	216,100
B130 NPDES PERMIT FEES	.00	0	53,000.00	53,000	.00	.0	53,000
B131 SLUDGE HAULING/DISPOSAL SERVICES	.00	0	34,524.00	40,000	5,476.00-	13.7-	80,000
B400 CHEMICALS - BUDGET	.00	10,850	.00	119,400	3,905.70-	3.3-	130,250
B401 CHEMICALS - DISINFECTION	6,609.70	0	30,952.98	0	.00	.0	0
B402 CHEMICALS - SLUDGE DEWATERING	9,629.19	0	59,142.65	0	.00	.0	0
B403 CHEMICALS - TERTIARY TREATMENT	.00	0	4,222.00	0	.00	.0	0
B404 CHEMICALS - OTHER	.00	0	21,176.67	0	.00	.0	0
B501 EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	3,148.77	1,875	202,525.48	243,125	40,599.52-	16.7-	245,628
B502 EQPT/EQPT REPAIR - DISINFECTION	137.74	1,000	15,780.05	33,900	18,119.95-	53.5-	34,859
B503 EQPT/EQPT REPAIR - EXCESS FLOW	1,321.10	900	4,356.72	37,400	33,043.28-	88.4-	38,109
B504 EQPT/EQPT REPAIR - GRIT REMOVAL	126.47	1,400	7,436.93	35,700	28,263.07-	79.2-	37,109
B505 EQPT/EQPT REPAIR - INFLUENT PUMPING	507.85	2,150	17,740.19	43,400	25,659.81-	59.1-	45,577
B506 EQPT/EQPT REPAIR - PRIMARY TREATMENT	13,169.68	2,210	42,586.64	49,310	6,723.36-	13.6-	51,523
B507 EQPT/EQPT REPAIR - SECONDARY TREATMENT	147.93	2,740	72,679.01	145,140	72,460.99-	49.9-	147,877
B508 EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	62.12	530	1,232.40	5,830	4,597.60-	78.9-	6,365
B509 EQPT/EQPT REPAIR - SLUDGE DEWATERING	.00	1,945	21,342.87	21,395	52.13-	.2-	23,340
B510 EQPT/EQPT REPAIR - SLUDGE DIGESTION	6,246.47	3,625	72,043.47	90,875	18,831.53-	20.7-	94,497
B511 EQPT/EQPT REPAIR - TERTIARY TREATMENT	.00	1,326	8,069.40	27,086	19,016.60-	70.2-	28,414
B512 EQPT/EQPT REPAIR - WWTC GENERAL	3,733.97	2,785	30,783.84	43,135	12,351.16-	28.6-	45,918
B513 EQPT/EQPT REPAIR - WWTC UTILITIES	8,780.85	14,400	274,477.42	281,000	6,522.58-	2.3-	295,334
B801 BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS	.00	292	.00	3,212	3,212.00-	100.0-	3,500
B802 BLDG AND GROUNDS - DISINFECTION	719.25	90	1,235.08	990	245.08	24.8	1,061
B803 BLDG AND GROUNDS - EXCESS FLOW	.00	90	510.24	990	479.76-	48.5-	1,061
B804 BLDG AND GROUNDS - GRIT REMOVAL	.00	85	17,905.60	20,965	3,059.40-	14.6-	21,061
B805 BLDG AND GROUNDS - INFLUENT PUMPING	.00	664	21,617.70	17,304	4,313.70	24.9	17,957
B806 BLDG AND GROUNDS - PRIMARY TREATMENT	.00	442	.00	4,862	4,862.00-	100.0-	5,305
B807 BLDG AND GROUNDS - SECONDARY TREATMENT	.00	175	3,216.40	7,425	4,208.60-	56.7-	7,622
B809 BLDG AND GROUNDS - SLUDGE DEWATERING	.00	135	364.32	8,675	8,310.68-	95.8-	8,791
B810 BLDG AND GROUNDS - SLUDGE DIGESTION	786.79	310	17,723.53	18,150	426.47-	2.4-	18,463
B811 BLDG AND GROUNDS - TERTIARY TREATMENT	47.39	440	3,524.12	14,340	10,815.88-	75.4-	14,805
B812 BLDG AND GROUNDS - WWTC GENERAL	3,435.71	6,700	64,737.51	138,000	73,262.49-	53.1-	144,641
B813 BLDG AND GROUNDS - WWTC UTILITIES	.00	130	986.33	1,430	443.67-	31.0-	1,583
SECT B TOTALS	84,881.89				476,872.83-		
= SECT C VEHICLES							
C222 GAS/FUEL	2 866 06	1 750	22 102 E2	20 250	1,943.63	٩٤	22 000
C222 GAS/FUEL C225 OPERATION/REPAIR	2,800.00	1,750			1,943.83		
C225 OPERATION/REPAIR C226 VEHICLE PURCHASES	.00	0	37,847.00	54,500	16,653.00-	30.6-	54,500
SECT C TOTALS	3,477.25	2,417	66,104.30	82,087	15,982.70-	19.5-	84,500
= DEPT 12 TOTALS	204,302.87	195,810	2,863,311.87	3,429,053	565,741.13-	16.5- 3	====== 3,605,250

DEPT 13 O & M EXPENSES - LABORATORY

SECT A SALARIES AND WAGES

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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	8	BUDGET
A009 OPERATIONS MANAGEMENT	7,550.99	6,572	65,662.85	78,864	13,201.15-	16.7-	82,150
A040 LABORATORY - BUDGET	.00	13,776	.00	165,312	3,556.05-	2.2-	172,200
A041 LAB - WWTC	11,768.78	0	132,922.53	0	.00	.0	0
A042 LAB - PRETREATMENT	302.14	0	13,039.10	0	.00	.0	0
A043 LAB - SURCHARGE PROGRAM	47.38	0	10,581.65	0	.00	.0	0
A044 LAB - BOD	.00	0	91.37	0	.00	.0	0
A045 LAB - SOLIDS	.00	0	183.22	0	.00	.0	0
A048 LAB - ENERGY RECOVERY	406.49	0	4,938.08	0	.00	.0	0
A085 INCENTIVE	.00	0	400.00	600	200.00-	33.3-	600
A086 VACATION BUYOUT	.00	0	2,437.89	4,600	2,162.11-	47.0-	4,600
SECT A TOTALS =	20,075.78	20,348	230,256.69	249,376 ======	19,119.31- =========	7.7- =======	259,550 ======
SECT B OPERATIONS AND MAINTENANCE							
B112 COMMUNICATION	296.58	300	1,974.18	3,300	1,325.82-	40.2-	3,500
B114 CHEMICALS	980.31	1,875	15,142.71	20,625	5,482.29-	26.6-	22,400
B115 EQUIPMENT/EQUIPMENT REPAIR	.00	4,400	7,382.87	48,600	41,217.13-	84.8-	53,000
B116 SUPPLIES	1,758.70	2,000	15,178.93	22,000	6,821.07-	31.0-	23,000
B117 EMPLOYEE/DUTY COSTS	.00	450	1,241.31	5,100	3,858.69-	75.7-	5,500
B122 MONITORING EQUIPMENT	3,315.00	0	4,365.26	9,000	4,634.74-	51.5-	9,000
B123 OUTSIDE LAB SERVICES	1,369.40	2,600	15,863.10	28,800	12,936.90-	44.9-	31,400
SECT B TOTALS	7,719.99	11,625	61,148.36	137,425	======================================	55.5-	147,800
= SECT C VEHICLES							
C222 GAS/FUEL	110.01	50	576.47	550	26.47	4.8	600
C225 OPERATION/REPAIR	.00	0	41.41	200	158.59-	79.3-	250
SECT C TOTALS	110.01	50	617.88	750	132.12-	17.6-	850
DEPT 13 TOTALS	27,905.78	32,023	292,022.93	387,551	95,528.07-	24.7-	408,200
= dept 14 0 & m expenses - sewer system							
SECT A SALARIES AND WAGES							
A006 ENGINEERING	550.81	820	4,128.39	9,840	5,711.61-	58.0-	10,250
A050 SEWER MAINTENANCE - BUDGET	.00	16,268	.00	195,216	10,895.36		203,350
A051 SEWER MAINTENANCE	13,302.38	0	189,081.86	0	.00		0
A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	1,787.02	0	17,029.50	0	.00	.0	0
A060 INSPECTION - BUDGET	.00	19,768	.00	237,216	29,299.34-	12.4-	247,100
A061 INSPECTION - NEW CONSTRUCTION	150.15	0	1,379.08	0	.00	.0	0
A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS	5,967.14	0	69,986.62	0	.00	.0	0
A063 INSPECTION - PERMIT INSPECTIONS	494.63	0	9,196.26	0	.00	.0	0
A064 INSPECTION - MISCELLANEOUS	1,216.82	0	31,382.07	0	.00	.0	0
A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES	2,133.96	0	36,704.22	0	.00	.0	0
A066 INSPECTION - CODE ENFORCEMENT	6,211.23	0	59,268.41	0	.00	.0	0
A070 SEWER INVESTIGATIONS - BUDGET	.00	384	.00	4,608	2,043.25-	44.3-	4,800
A072 SEWER INVESTIGATIONS	176.35	0	2,564.75	0	.00	.0	0
A085 INCENTIVE	.00	0	1,400.00	1,400	.00	.0	1,400

TREASURER'S REPORT

 DATE
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FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
A086 VACATION BUYOUT	.00	0	.00	10,850	10,850.00-	100.0-	10,850
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	104	225.00	1,248	1,023.00-	82.0-	1,300
SECT A TOTALS	31,990.49	37,344	422,346.16	460,378	38,031.84-	8.3-	479,050
SECT B OPERATIONS AND MAINTENANCE							
B112 COMMUNICATION	1,261.85	950	6,772.93	10,550	3,777.07-	35.8-	11,500
B113 EMERGENCY/SAFETY EQUIPMENT	.00	375	1,947.48	4,225	2,277.52-	53.9-	4,600
B115 EQUIPMENT/EQUIPMENT REPAIR	270.99	3,100	34,557.33	34,300	257.33	.8	37,400
B116 SUPPLIES	.00	375	5,194.02	4,125	1,069.02	25.9	4,500
B117 EMPLOYEE/DUTY COSTS	1,559.72	1,125	5,459.23	12,375	6,915.77-	55.9-	13,500
B124 CONTRACT SERVICES	.00	8,750	79,813.98	96,250	16,436.02-	17.1-	105,000
B127 JULIE SYSTEM	.00	1,300	11,836.07	14,450	2,613.93-	18.1-	15,750
B128 OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	.00	4,000	5,814.00	39,000	33,186.00-	85.1-	40,000
B129 REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE	.00	1,000	4,313.10	11,000	6,686.90-	60.8-	12,000
B900 SEWER SYSTEM REPAIRS - BUDGET	.00	200,000	.00	2,580,000	1,054,992.01-	40.9-	2,833,600
B901 SEWER SYSTEM REPAIRS - I/I PROGRAM	3,082.50	0	744,520.95	0	.00	.0	0
B902 SEWER SYSTEM REPAIRS - REPLACEMENT	1,591.25	0	18,470.08	0	.00	.0	0
B903 SEWER SYSTEM REPAIRS - REHABILITATION	.00	0	4,855.34	0	.00	.0	0
B910 SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	74,247.82	0	658,204.96	0	.00	.0	0
B913 SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R	.00	0	8,161.07	0	.00	.0	0
B929 ARRA LOAN PRINCIPAL REPAYMENT	.00	0	90,795.59	0	.00	.0	0
SECT B TOTALS	82,014.13	220,975	1,680,716.13	2,806,275	1,125,558.87-	40.1- 3	3,077,850
- SECT C VEHICLES							
C222 GAS/FUEL	1,547.36	2,167	14,107.41	23,837	9,729.59-	40.8-	26,000
C225 OPERATION/REPAIR	1,727.24	558	9,161.83	6,138	3,023.83	49.3	6,700
C226 VEHICLE PURCHASES	.00	0	30,794.89	12,500-	43,294.89	346.4-	12,500-
SECT C TOTALS =	3,274.60	2,725	54,064.13	17,475	36,589.13	209.4	20,200
DEPT 14 TOTALS	117,279.22	261,044	2,157,126.42	3,284,128	1,127,001.58-	34.3- 3	3,577,100
- DEPT 15 O & M EXPENSES - LIFT STATIONS							
SECT A SALARIES AND WAGES							
A006 ENGINEERING	70.65	732	4,499.92	8,784	4,284.08-	48.8-	9,150
A009 OPERATIONS MANAGEMENT	348.42	320	1,984.83	3,840	1,855.17-	48.3-	4,000
A030 BUILDING AND GROUNDS	55.70	576	683.20	6,912	6,228.80-	90.1-	7,200
A080 LIFT STATION MAINTENANCE	943.63	5,368	8,860.05	62,677	53,816.95-	85.9-	65,650
SECT A TOTALS	1,418.40	6,996	16,028.00	82,213	66,185.00-	80.5-	86,000
- SECT B OPERATIONS AND MAINTENANCE			· -				
B100 ELECTRICITY	3,534.45	11,250	98,848.46	123,750	24,901.54-	20.1-	135,000
B104 FUEL - GENERATORS	.00	0	.00	3,500	3,500.00-	100.0-	3,500
B112 COMMUNICATION	674.88	500	4,000.71	6,000	1,999.29-	33.3-	6,500
B113 EMERGENCY/SAFETY EQUIPMENT	.00	0	513.61	1,000	486.39-	48.6-	1,000

FUND 01 GENERAL FUND

COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
Bl16 SUPPLIES	45.16		======================================		254.84-	85.0-	 400
B520 EQPT/EQPT REPAIR - BUTTERFIELD	.00	175	5,095.45	2,850	2,245.45	78.8	3,047
B521 EQPT/EQPT REPAIR - CENTEX	.00	225	2,662.44	2,475	187.44	7.6	277,685
B522 EQPT/EQPT REPAIR - COLLEGE	.00	180	3,624.68	26,980	23,355.32-	86.6-	27,175
B523 EQPT/EQPT REPAIR - EARLSTON	155.46	160	411.82	2,635	2,223.18-	84.4-	2,785
B524 EQPT/EQPT REPAIR - HOBSON	7,265.00	1,100	7,265.00	17,750	10,485.00-	59.1-	17,891
B525 EOPT/EOPT REPAIR - LIBERTY PARK	.00	85	1,400.00	3,465	2,065.00-	59.6-	3,527
B526 EOPT/EOPT REPAIR - NORTHWEST	.00	85	21,928.17	6,065	15,863.17	261.6	6,152
B527 EQPT/EQPT REPAIR - VENARD	.00	85	2,152.70	3,565	1,412.30-	39.6-	3,660
B528 EQPT/EQPT REPAIR - WROBLE	.00	85	341.16	9,615	9,273.84-	96.5-	9,705
B529 EQPT/EQPT REPAIR - LIFT STATIONS GENERAL	1,053.21	2,800	7,149.79	44,200	37,050.21-		47,073
B820 BLDG AND GROUNDS - BUTTERFIELD	.00	2,000	1,487.14	0	1,487.14	.0	0
B821 BLDG AND GROUNDS - CENTEX	.00	0	1,156.50	0	1,156.50	.0	0
B823 BLDG AND GROUNDS - EARLSTON	.00	0	1,130.50	15,000	13,869.50-	92.5-	15,000
B824 BLDG AND GROUNDS - HOBSON	.00	0	20,175.09	20,000	175.09	.9	20,000
B825 BLDG AND GROUNDS - LIBERTY PARK	.00	0	1,146.50	20,000	1,146.50	.0	20,000
B826 BLDG AND GROUNDS - NORTHWEST	.00	0	42,067.80	81,000	38,932.20-	48.1-	81,000
B827 BLDG AND GROUNDS - VENARD B827 BLDG AND GROUNDS - VENARD	142.50	0	8,989.00	7,500	1,489.00	19.9	7,500
B828 BLDG AND GROUNDS - WENARD B828 BLDG AND GROUNDS - WROBLE	.00	0	1,170.50	7,500	1,489.00	.0	7,500
B829 BLDG AND GROUNDS - WROBLE B829 BLDG AND GROUNDS - LIFT STATIONS GENERAL	.00	2,175	443.20	23,925	23,481.80-	.0 98.2-	26,000
SECT B TOTALS	12,870.66	 18,905	233,205.38	401,575	168,369.62-		694,600
DEPT 15 TOTALS	14,289.06	======== 25,901	249,233.38	483,788	234,554.62-	48.5-	780,600
DEPT 17 O & M EXPENSES - INSURANCE & EMPLOY							
SECT E INSURANCE AND EMPLOYEE BENEFITS							
E452 LIABILITY/PROPERTY	93.00-	0	214,220.88	220,000	5,779.12-	2.6-	220,000
E455 EMPLOYEE GROUP HEALTH	45,266.31	43,600	474,428.30	480,400	5,971.70-	1.2-	524,000
E460 IMRF	20,475.25	25,360	266,025.28	304,320	38,294.72-	12.6-	317,000
E461 SOCIAL SECURITY	17,569.84	19,360	208,695.95	232,320	23,624.05-	10.2-	242,000
SECT E TOTALS	83,218.40	88,320	1,163,370.41	1,237,040	73,669.59-	6.0- 1	L,303,000
DEPT 17 TOTALS	83,218.40 ==========				73,669.59-		
DEPT 91 SA EXPENSE							
DEPT 91 TOTALS	 . 00				.00		
FUND EXPENSE TOTAL	539,933.14	716,695	7,830,067.46	10,373,188	2,543,120.54-	24.5-11	L,301,900
FUND 01 TOTALS	======================================				3,076,643.05-		

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FUND 02 IMPROVEMENT FUND

	ACTUAL	BUDGET				
COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
DEPT 05 REVENUES						
3007 INTEREST ON INVESTMENTS	206.75-	250-	926.07-	2,750-	3,000-	
3010 TRUNK SEWER SERVICE CHARGES	.00	7,500-	130,885.03-	82,500-	90,000-	
DEPT 05 TOTALS	206.75-	7,750-	131,811.10-	85,250-	93,000-	
DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMEN						
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 ST						
DEPT 36 CAPITAL EXP - LIBERTY PARK LIFT ST DEPT 36 TOTALS			.00			
	.00	0	.00	0	0	
dept 36 totals	.00	0	.00	0	0	
DEPT 36 TOTALS DEPT 47 CAPITAL EXP - CENTEX LIFT STATION 0502 DESIGN ENGINEERING/ARCHITECTURAL 0504 CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRO	.00 UPGRADE .00 /I 2,660.00	0	.00 49,461.19 13,980.89	0 26,000 79,000	0 26,000 84,000	
DEPT 36 TOTALS DEPT 47 CAPITAL EXP - CENTEX LIFT STATION 0502 DESIGN ENGINEERING/ARCHITECTURAL	.00 UPGRADE /I 2,660.00 .00	0 0 10,000 60,000	.00 49,461.19 13,980.89 .00	0 26,000 79,000 1,140,000	0 26,000 84,000 1,200,000	
DEPT 36 TOTALS DEPT 47 CAPITAL EXP - CENTEX LIFT STATION 0502 DESIGN ENGINEERING/ARCHITECTURAL 0504 CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRO	.00 UPGRADE /I 2,660.00 .00 2,660.00	0 0 10,000 60,000 70,000	.00 49,461.19 13,980.89 .00 63,442.08	0 26,000 79,000 1,140,000 1,245,000	0 26,000 84,000 1,200,000 1,310,000	
DEPT 36 TOTALS DEPT 47 CAPITAL EXP - CENTEX LIFT STATION 0502 DESIGN ENGINEERING/ARCHITECTURAL 0504 CONSTRUCTION ADMIN/RESIDENT ENG/ARCH SUPRY 0506 CONSTRUCTION CONTRACTS AND PURCHASES	.00 UPGRADE /I 2,660.00 .00 2,660.00	0 0 10,000 60,000 70,000	.00 49,461.19 13,980.89 .00 63,442.08	0 26,000 79,000 1,140,000 1,245,000	0 26,000 84,000 1,200,000 1,310,000	
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FUND 03 CONSTRUCTION FUND ACTUAL BUDGET COST CURRENT CURRENT ACTUAL BUDGET TOTAL NUMBER DESCRIPTION MONTH MONTH Y-T-D Y-T-D BUDGET _____ DEPT 05 REVENUES 161.27-100- 609.70- 1,300- 1,400-3007 INTEREST ON INVESTMENTS 3009 SEWER PERMIT FEES 35,550.00- 20,833- 359,857.38- 229,163- 250,000-35,711.27- 20,933- 360,467.08- 230,463- 251,400-DEPT 05 TOTALS _____ DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENTS 0 .00 14,450 28,900 0500 PROJECT BUDGET .00 0 0 14,403.64 0 0515 PAYMENT ON LOAN PRINCIPAL .00 _____ DEPT 30 TOTALS .00 0 14,403.64 14,450 28,900 DEPT 31 CAPITAL EXP - WWTC - CHP BIOGAS 0 0.00 0 DEPT 31 TOTALS .00 _____ DEPT 32 CAPITAL EXP - WWTC - SECOND TURBOBLOWER _____ .00 0 .00 0 0 DEPT 32 TOTALS _____ CAPITAL EXP - WWTC - DIGESTER MIXING/GAS PIPING DEPT 33 _____ DEPT 33 TOTALS .00 0 .00 0 0 _____ DEPT 34 CAPITAL EXP - WWTC - GREASE WASTE DELIVERY RAMP _____ .00 .00 DEPT 34 TOTALS 0 0 0 DEPT 35 CAPITAL EXP - WWTC - CHP BIOGAS PHASE 2 _____ .00 0.00 DEPT 35 TOTALS 0 0 _____ DEPT 37 CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2 _____ 0.00 0 0 DEPT 37 TOTALS .00 _____ DEPT 38 CAPITAL EXP - WWTC - PROPERTY ACQUISITION _____ DEPT 38 TOTALS .00 0 .00 0 0 DEPT 39 CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT

TREASURER'S REPORT
DATE 04/06/22 MONTH ENDED 03/31/22 PAGE 8

		TREASURER'S REPORT							
		MONTH ENDED 03/31/2	2	PAGE	9				
FUND 03	CONSTRUCTIO	N FUND							
			ACTUAL	BU	IDGET				
		COST	CURRENT	CU	JRRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION		MONTH	MO	NTH	Y-T-D	Y-T-D	BUDGET	
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TREASURER'S REPORT DATE 04/06/22 MONTH ENDED 03/31/2 FUND 05 PUBLIC BENEFIT FUND		AGE 10				
COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05 REVENUES						
3007 INTEREST ON INVESTMENTS	.00	30-				
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DEPT 59 CAPITAL EXP - SEWER - SEWER EXTENSI	ONS					
DEPT 59 TOTALS	.00	0	.00	 0	0	
DEPT 65 CAPITAL EXP - SEWER - REIMB FOR ADD	ED DEPTH					
DEPT 65 TOTALS	.00	0	.00	0	0	
FUND EXPENSE TOTAL	.00	0	.00	0	0	
FUND 05 TOTALS	.00	30-	13.19-	330-	350-	

FUND 71 SEWER EXTENSIONS ESCROW						
COST NUMBER DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH		BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05 REVENUES						
3007 INTEREST ON INVESTMENTS	.00	0	2.61-	0	0	
DEPT 05 TOTALS	.00	0	2.61-	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	.00	0	2.61-	0	0	

TREASURER'S REPORTDATE04/06/22MONTH ENDED 03/31/22PAGE11

Amy Underwood

From:	Jessie Gwozdz
Sent:	Tuesday, March 15, 2022 2:54 PM
То:	Adrienne Kasper; Alex Bielawa; Alyssa Caballero; Amy Underwood; Carly Shaw; Jessie Gwozdz; Kim
	Giardini; Megan MacQuilkin; Susan Testin; Joe Magiera; Sam Tatulli; Malwina Serpa; Reese Berry;
	Stephanie Cioni; Adam Cioni; Bill Smith; Chuck Preen; Frank Furtak; Jeff Barta; Marco Rendon; Nick
	Whitefleet; Rolf Flechsig; Brian Meng; Ed Bailie; Marc Majewski; Matt Richert; Mike Hayward; Nick
	Preen; Siamak Azarnia; Daniel Jasso; Keith Shaffner; Oscar Avila; Alan Hartigan; Angel Lozada; Bob
	Swirsky; Dwayne Carpenter; Jose Roche, Jr.; Todd Freer
Subject:	Update to Section 3.3 of the Covid Plan
Attachments:	Covid Plan March NEW Section 3.3.pdf

Everyone,

There has been a clarification in CDC guidance which has impacted Section 3.3 of the District's Covid Plan. The change is related to the return to work procedures for an employee who is experiencing symptoms. The changes are attached in red font.

Since everyone just trained on the Covid Plan in the past 2 weeks, we will not issue another formal retraining. However, the electronic copies in the Employee Portal and in Target Solutions will reflect this change with today's date. Additionally, new paper copies will be posted in MSB, Ops, Lab, System Garage, and Admin.

Please let me know if you have any questions.

Jessie Gwozdz Safety Coordinator | Office: (630) 969-0664 | Cell: (847) 347-0087 Downers Grove Sanitary District 2710 Curtiss Street | Downers Grove, IL 60515 employee who is asymptomatic tests positive. For example, if an employee became symptomatic on January 1 and needed to isolate for 5 days and could return to work on Day 6:

Day 0: January 1 Day 1: January 2 Day 5: January 6 Day 6: January 7

2.8 Vehicles

The term "vehicles" includes cars, trucks, commercial motor vehicles, tractors, skid steers, loaders, golf carts, and forklifts.

2.9 COVID-19 Community Level

On February 25, 2022, the CDC introduced a new tool called COVID-19 Community Level. COVID-19 Community Levels can be Low, Medium, or High and are determined by looking at hospital beds being used, hospital admissions, and the total number of new COVID-19 cases in an area.

3 SYMPTOMS, EXPOSURE, AND RETURN TO WORK REQUIREMENTS

3.1 COVID-19 Symptom List

The CDC has maintained an up-to-date list of symptoms of COVID-19. At the time of this document, the symptoms are:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New Loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

3.2 Employee Self-Monitoring

DGSD management is asking all employees to self-monitor for the above symptoms. This includes the on-call employees that are at home during non-working hours so that the supervisor can replace the employee on-call immediately. Each employee needs to check his/her temperature prior to leaving home for work every day. Employees who are experiencing any of the above symptoms need to follow all procedures of Section 3.3. By reporting to work, DGSD staff are certifying that they are symptom free.

3.3 Employees Who Have Symptoms

Employees who are experiencing any of the above symptoms must notify their supervisor and must not report to work. If the symptoms begin at work, the employee must go home immediately.

If an employee's symptoms are not new but rather symptoms of a pre-existing health condition for which the employee has a history of medical care, the employee may provide a one-time note from his/her medical provider releasing the employee to work and may come to work as long as he/she does not develop new symptoms.

The District's Safety Coordinator will contact the employee via phone for documenting their symptoms.

If an employee is awaiting COVID-19 test results or cannot obtain a test due to high demand, they should assume they have COVID and isolate.

Unless otherwise directed by a medical provider, employees must follow the steps below.

If You Have Symptoms of COVID-19 (ISOLATE)
All Employees, regardless of vaccination status
Get tested with a PCR test as soon as possible.

Return to Work Criteria with a negative test result:

- Employees who have tested positive for COVID-19 in the past 90 days, confirmed via a viral test:
 - If your symptoms have resolved and you have been fever-free for 24-hours without the use of fever reducing medication, you may return to work.
 - If your symptoms worsen, get tested again or seek guidance from a medical provider.
- Employees who are Up to Date on COVID-19 vaccines:
 - If your symptoms have resolved and you have been fever-free for 24-hours without the use of fever reducing medication, you may return to work.
 - If your symptoms worsen, get tested again or seek guidance from a medical provider.
- Employees who are not Up to Date on COVID-19 vaccines:
 - \circ $\,$ Quarantine at home for 5 days .
 - If your symptoms have resolved and you have been fever-free for 24-hours without the use of fever reducing medication, you may return to work on Day 6.
 - If your symptoms worsen, get tested again or seek guidance from a medical provider.

Return to Work Criteria with a positive test result:

• Follow procedures of Section 3.4.

Return to Work without a test:

• Employees who cannot obtain a PCR test will be presumed positive and will follow the procedures in Section 3.4.

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President

Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org

Providing a Better Environment for South Central DuPage County

March 24, 2022

Illinois Environmental Protection Agency Division of Water Pollution Control Sent Electronically to: <u>EPA.PrmtSpecCondtns@Illinois.gov</u>

Subject: IL0028380 Special Condition 17.E Wastewater Treatment Center Phosphorus Discharge Optimization Plan 2022 Progress Report

To Whom It Concerns:

Special Condition 17 of permit IL0028380 requires the Downers Grove Sanitary District to submit an annual progress report on its Phosphorus Discharge Optimization Plan (PDOP). The PDOP, submitted in July 2017, evaluates source reduction measures, operational improvements, and minor low-cost facility modifications to optimize reductions in phosphorus discharges from the wastewater treatment center (WWTC). This letter serves as the District's 2022 PDOP annual progress report, in compliance with Special Condition 17, Paragraph E. This report is due by March 31, 2022.

WWTC Phosphorus Removal Performance

The WWTC phosphorus monitoring data for calendar year 2021 is summarized in Table 1 on the next page.

This is the fifth annual PDOP progress report. Each annual PDOP progress report has presented the monthly and annual average WWTC phosphorus monitoring data for the previous calendar year. A summary of the last five years of data is provided in Table 2 for comparison. The baseline data which was collected prior to any phosphorus removal optimization efforts is also presented.

General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp Feb-21

Mar-21

Apr-21

May-21

5.95

4.03

6.07

5.17

	INFL	JENT	EFFLUE	ENT
	CONCN	LOAD	CONCN	LOAD
	mg/l	lbs/day	mg/l	lbs/day
Jan-21	5.35	430	2.61	191

455

424

414

369

Table 1. 2021 WWTC Phosphorus Monitoring Data

Jun-21	6.09	476	3.34	294	0.38
Jul-21	5.48	335	4.21	281	0.16
Aug-21	6.17	343	4.25	274	0.20
Sep-21	6.32	341	4.56	247	0.28
Oct-21	5.06	411	3.60	294	0.28
Nov-21	6.58	398	3.40	210	0.47
Dec-21	6.35	462	3.01	210	0.55
Average	5.72	405	3.33	238	0.40
Maximum	6.58	476	4.56	294	0.56
Minimum	4.03	335	1.72	191	0.16

3.14

1.72

3.21

2.91

Table 2. Historic WWTC Phosphorus Annual Average Monitoring Data

	INFLU	JENT	EFFLUE		
	CONCN	LOAD	CONCN	LOAD	FRACTION
	mg/l	lbs/day	mg/l	lbs/day	REMOVED
Total Baseline*	4.81	365	3.07	229	0.37
2012 Portion of Baseline	5.85	382	3.80	247	0.35
2017	5.62	414	2.99	217	0.48
2018	5.43	448	2.48	208	0.52
2019	4.68	434	2.16	201	0.53
2020	5.33	418	2.90	228	0.45
2021	5.72	405	3.33	238	0.40

*Baseline data was collected from July 2012 to July 2013

WWTC Influent Reduction Measures

The influent phosphorus load to the District's Wastewater Treatment Center (WWTC) in 2021 was consistent with the previous few years, giving the District no reason to suspect any user has significantly increased their phosphorus discharge. Therefore, no special sampling was done in 2021.

Phosphorus is a sampling parameter in the regular surcharge sampling program for the few users

FRACTION REMOVED 0.56

0.53

0.55

0.45

0.39

216

191 227

226

that were previously tested.

WWTC Effluent Reduction Measures

Sidestream Enhanced Biological Phosphorus Removal

The activated sludge portion of the plant has been operating in a configuration to attempt sidestream enhanced biological phosphorus removal (EBPR) since 2016, as originally described in the PDOP. In this configuration, a portion of the return activated sludge (RAS) is fermented in an anaerobic zone prior to being returned to the aeration tanks. (As a side note, District staff are unaware of any plant which solely has a RAS fermenter without additional process tanks dedicated to phosphorus removal. The plant in Denmark, from which the District modeled our process, had anoxic zones upstream of its aeration tanks. The District does not have the capability to install anoxic zones. Regardless, it has now come to our attention that the plant in Denmark has removed their biological phosphorus removal process and is now chemically removing phosphorus.)

The PDOP identified limitations of the sidestream EBPR as configured at the District's WWTC. Over the past five years, the District has made modifications to address some of the limitations and to attempt optimizing the performance of the sidestream EBPR. The monthly average and annual average percent phosphorus removals were used to gauge the success (or lack of success) of the modifications. At times, the conclusion made in one month or year was subsequently decided to be incorrect as reversing the modification did not reverse what had been believed to be the result.

After reviewing the 2021 data and the data over the past five years, District staff question whether the sidestream EPBR is improving phosphorus removal and if it is detrimental to the operation of the activated sludge system. The fact that both the phosphorus removal through the WWTC and the effluent phosphorus concentration have a strong relationship to the weather, regardless of any measures made to improve the performance of the sidestream process, supports the thought that the modifications and perhaps the sidestream treatment itself have not improved performance. The sidestream treatment has been detrimental by causing poor settling floc. These concepts are discussed in more detail below.

Relationship to Weather

As seen in the data provided in Table 2, the 2021 average percent phosphorus removal is the lowest in the five-year monitoring period and is almost as low as the percent removal during the baseline period. (The baseline period, as presented in the PDOP, was July 2012 – July 2013, which was prior to any phosphorus removal modifications to the WWTC.) One notable thing that stands out about 2021 was that it was a dry year. The rainfall in 2021 was the 10th lowest in the past 46 years. The data was reviewed to determine whether there was a correlation between the weather and phosphorus removal. Figures 1 and 2, which are attached at the end of this report, show that there is a direct relationship between total annual rainfall and both the annual average phosphorus removal and the annual average effluent phosphorus concentration.

The rainfall in 2012, in which part of the baseline fell, was the 6th lowest in the past 46 years. The

2012 annual rainfall total and the average percent removal from July 2012 – December 2012 are plotted in Figure 1. The 2012 annual rainfall total and the average effluent phosphorus concentration from July 2012 – December 2012 are plotted in Figure 2. These are indicated by the orange box on each figure. As can be seen in the figures, the baseline data falls on the same trend as the data which occurred while the District was attempting to optimize the sidestream EBPR process.

The influent wastewater temperature is impacted by weather. The influent wastewater temperature is higher in years with less rainfall and lower in years with higher rainfall, as shown in Figure 3. Figures 4 and 5 show that there is a direct relationship between annual average influent wastewater temperature and both the annual average phosphorus removal and the annual average effluent phosphorus concentration. The 2012 annual average influent wastewater temperature is plotted against the annual average percent phosphorus removal and annual average effluent phosphorus concentration for July 2012 – December 2012 in Figures 4 and 5. These are indicated by the orange box on each figure. As can be seen in the figures, the baseline data falls on the same trend as the data which occurred while the District was attempting to optimize the sidestream EBPR process.

In general, phosphorus removal is higher and effluent phosphorus concentrations are lower in wetter years where the resulting wastewater temperature is cooler. All five years of operation with the sidestream treatment process follow this trend, regardless of any changes made in an attempt to optimize the process. Any improvement or deterioration in phosphorus removal as noted in the PDOP or the subsequent annual PDOP progress reports may not have been due to the sidestream treatment optimization attempts as previously theorized. They may have occurred anyway due to influent conditions as impacted by weather events.

<u>Settleability</u>

Since starting the sidestream EPBR process in 2016, sludge settleability has decreased. This is caused by the presence of *Nocardia*, likely due to increased sludge age caused by the RAS fermenter (i.e., sidestream treatment tanks) and higher mixed liquor suspended solids (MLSS) concentrations. Under average operating conditions, operators have been able to limit the impacts of poor settleability. This is due to the intermediate clarifiers, which are not found in a typical wastewater treatment facility. Flow from the secondary clarifiers goes through the intermediate clarifiers before passing through the sand filters. Solids washed over the weirs in the secondary clarifiers due to poor settleability are typically removed in the intermediate clarifiers. When influent wastewater flow exceeds 80 MGD, all intermediate clarifiers are used for excess flow treatment, and secondary effluent goes directly to the sand filters. The solids which have washed over the secondary clarifier weirs cause the sand filters to blind and go into continuous backwash for the duration of the storm event. When this occurred in June of 2021, it resulted in an excursion of the daily maximum total suspended solids (TSS) on the main plant outfall.

In the coldest winter month, nitrification slows down, causing effluent ammonia to increase. To ensure that enough nitrifiers are present, operators need to either increase the MLSS concentration

or decrease the amount of RAS through the RAS fermenter or do both. Operators are limited on how much they can increase the MLSS concentration due to the settleability issues noted above. Since nitrifiers do not survive through the RAS fermenter, operators have been forced to decrease the amount of RAS going through the RAS fermenter. This was done in 2020 and 2022 when the wastewater temperature dropped in late winter. District staff are still evaluating whether this had a negative impact on phosphorus removal.

Conclusions

Since the PDOP was finished in 2017, the District's goal has been to optimize phosphorus removal while working within the limitations of our existing facility. Unfortunately, as noted above, this has come at the detriment of meeting our permit limits for TSS and potentially for ammonia. Should these become unmanageable, the District will need to remove the sidestream EBPR from service. Based on the data presented herein, it is not clear whether removing the sidestream EBPR from service would have a noticeable impact on biological phosphorus removal through the plant. Regardless, the District's commitment to the goals set forth in in the PDOP remain, and District staff will continue to re-evaluate phosphorus removal through our WWTC, looking for ways to optimize performance.

We trust that this letter report satisfies the requirements in Special Condition 17 for a PDOP progress report. As required by Special Condition 17, this report has been posted to the District's website.

If you have any questions or comments, please contact me at the above address and phone.

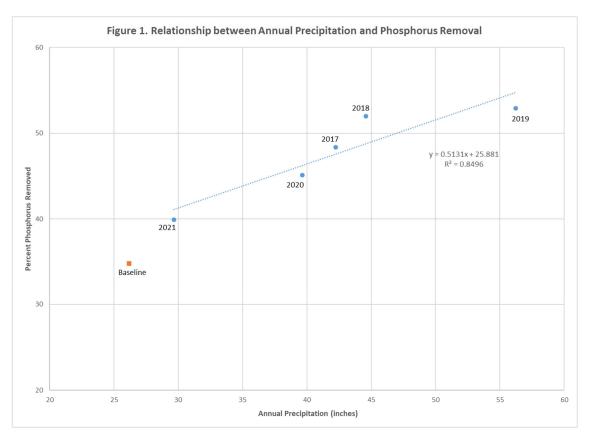
Very Truly Yours,

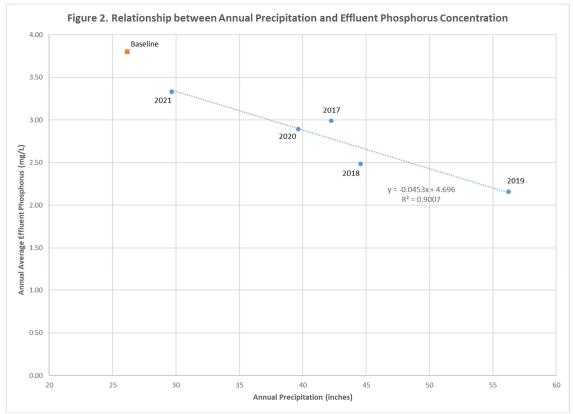
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Amy R. Underwood, P.E. General Manager

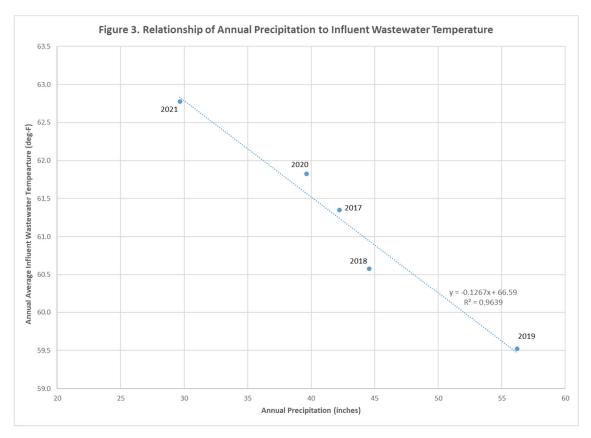
cc: Board of Trustees Alex Bielawa, DGSD Staff Engineer Marc Majewski, DGSD Operations Supervisor Stephen McCracken, DRSCW

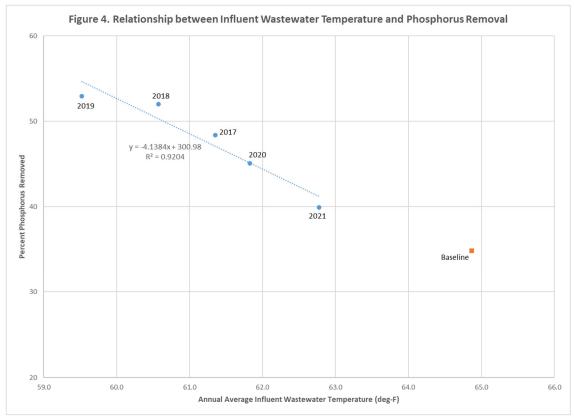
IEPA March 24, 2022 PDOP Progress Report



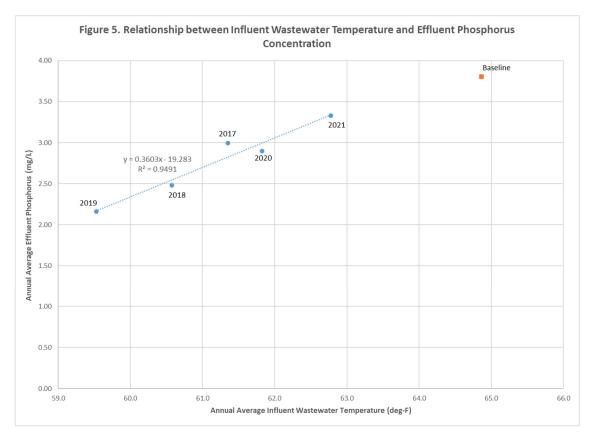


IEPA March 24, 2022 PDOP Progress Report





IEPA March 24, 2022 PDOP Progress Report



GENERAL MANAGER'S REPORT TO EMPLOYEES

Retirement

Congratulations to Operator Mike Hayward who will be retiring from the District on March 31, 2022. Mike has over 22 years of service with the District.

Personnel

We're excited to announce that Michelle Jasso has accepted the District's offer for the Accounting Assistant position and completed all necessary post-offer conditions. Michelle's first day of work is anticipated to be Monday, April 4. Please welcome Michelle to the District.

Five Year Financial Plan and Appropriation Ordinance

At the March 15 meeting, the Board approved the Five-Year Financial Plan for Fiscal Years 2022-23 to 2026-27. The plan includes a \$0.10 increase in the FY 2022-23 budget for the user fee (increasing from \$1.95 to \$2.05 per 1,000 gal) and a \$2.00 increase in the monthly service fee (increasing from \$17.00 to \$19.00 per month). The Board also approved the FY 2022-23 Appropriation Ordinance. The plan sets a budget for operation and maintenance expenses of \$13,015,350 and an improvement fund budget of \$1,681,700 for the fiscal year starting May 1, 2022.

<u>TopHealth</u>

The April issue of TopHealth is enclosed.

COVID-19

CURRENT COVID-19 COMMUNITY LEVEL: LOW

At this time, masks are not required in District facilities. Employees and guests may choose to wear masks at their personnel discretion.

If you are not up to date on your vaccinations and have been traveling to and are returning from out-of-state or have attended a gathering, you may be asked to self-quarantine prior to returning to work. Please check with your supervisor or the District's Safety Coordinator in advance of traveling out-of-state or attending a gathering to determine beforehand if a quarantine will be necessary upon your return.

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 impacts of the installation of a bolt-down cover at 1-M-049. Data collected shows that the local system containing 1-M-049 appears to be operating satisfactorily. Regular flow monitoring continues.

Status of Projects

1) 001 Outfall Pipe Repair

The pre-bid conference was held on March 16. The bid opening date has been set for March 29.

2) Centex Lift Station Replacement

Shop drawings are under review by Baxter & Woodman. Construction is expected to start in early May and be complete by the end of October.

3) Administration Center Modifications

The District is currently reviewing plans for the Administration Center modifications.

4) Building Sanitary Sewer Service Repair Contract

The bid opening date has been set for March 29.

5) 2022 Sewer Cleaning and Televising

Bids will be opened on March 29.

6) Curtiss Street Trunk Sewer Rehabilitation

Congressman Sean Casten was able to secure \$1,080,000 for lining of the Curtiss Street trunk sewer through the federal government's Fiscal Year 2023 Appropriations package. We are waiting for further details on the funding.

Baxter & Woodman has provided 90% draft bid documents for the District to review.

GENERAL MANAGER'S REPORT TO EMPLOYEES

Cybersecurity

Recently, the Cybersecurity & Infrastructure Security Agency (CISA) recommended that we adopt a heightened posture when it comes to cybersecurity and protecting our critical assets. The District is responding by taking measures to strengthen our cybersecurity. We appreciate your patience as we implement these changes. Please note the following:

- On Tuesday, April 12th, Concentric plans to replace the firewall. While the firewall is being changed out, we will lose all remote/external communications, including internet. We expect this to take a couple of hours. With this modification, multi-factor authentication (MFA) will be implemented for remote access.
- Concentric plans to reboot the servers during the same time period to install security software. (This is the same software that was installed on all the computers earlier this week.) This should only be a brief shut down.

I anticipate sending a reminder e-mail out to all employees before these tasks occur. If any details change, I will let everyone know. Please let me know if you have any questions.

CISA and the Federal Bureau of Investigations (FBI) have asked that we report any suspicious cyber activity no matter how minor. If you are aware of any such activity, please contact me.

COVID-19

CURRENT COVID-19 COMMUNITY LEVEL: LOW

At this time, masks are not required in District facilities. Employees and guests may choose to wear masks at their personnel discretion.

If you are not up to date on your vaccinations and have been traveling to and are returning from out-of-state or have attended a gathering, you may be asked to self-quarantine prior to returning to work. Please check with your supervisor or the District's Safety Coordinator in advance of traveling out-of-state or attending a gathering to determine beforehand if a quarantine will be necessary upon your return.

Sewer Rehabilitation/Infiltration and Inflow Removal

We are targeting the 1-K-028 area for private property inspections and I/I removal. Regular flow monitoring continues.

Status of Projects

1) 001 Outfall Pipe Repair

Bids were opened on March 29. Staff will recommend that the Board of Trustees award the contract to the low bidder, Archon Construction, at the April 19 Board meeting.

2) Centex Lift Station Replacement

Shop drawings are under review by Baxter & Woodman. Construction is expected to start in early May and be complete by the end of October.

3) Administration Center Modifications

The District has provided comments to the architect on the plans for the Administration Center modifications.

4) Building Sanitary Sewer Service Repair Contract

Bids were opened on March 29. Staff will recommend that the Board of Trustees award the contract to the low bidder, Uno Construction, at the April 19 Board meeting.

5) 2022 Sewer Cleaning and Televising

Bids were opened on March 29. Staff will recommend that the Board of Trustees award the contract to the low bidder, Sewertech, at the April 19 Board meeting.

6) Curtiss Street Trunk Sewer Rehabilitation

Congressman Sean Casten was able to secure \$1,080,000 for lining of the Curtiss Street trunk sewer through the federal government's Fiscal Year 2023 Appropriations package. We are waiting for further details on the funding.

Baxter & Woodman has provided 90% draft bid documents for the District to review.

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President Jeremy M. Wang

Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org

Providing a Better Environment for South Central DuPage County

April 8, 2022

Compliance Assurance Section – MC #19 Bureau of Water Illinois Environmental Protection Agency Sent Electronically to: EPA.SSO.Coordinator@Illinois.gov

To Whom It Concerns:

Attached please find the Sanitary Sewer Overflow or Bypass Notification Summary Report describing an overflow that occurred as a result of the following lift station force main break:

<u>Lift Station</u>	Force Main Break Location	<u>Overflow Date</u>
Wroble	6301 Fairview Ave, Westmont	April 6, 2022

The District was notified at 2:50 p.m. on April 6, 2022 by the Village of Downers Grove. Shortly thereafter, District staff arrived on site, confirmed the break and observed that wastewater was surfacing, pooling on the pavement and then running down Fairview Ave and into a storm inlet that discharges to the retention pond located at the northeast corner of 63rd St and Fairview Ave in Westmont.

Within twenty-five minutes of being notified, the pumps were turned off, and all flow was diverted by gravity around the lift station, allowing us to continue to serve our customers.

Traffic control devices were set up to prevent the public from entering the impacted area, and our technicians posted appropriate signage during the event. The storm inlet and the pavement were cleaned.

The tributary area includes residential and light commercial, with no industrial discharges. No sewage-related debris surfaced.

Repair of the force-main was completed by mid-afternoon on April 7, 2022, and the force-main was placed back in service.

We continue with ongoing sewer replacement and rehabilitation efforts to reduce I/I and improve collection system (including force main) performance, as described in our CMOM.

If you have any questions, please do not hesitate to call me at the number provided herein or send an

General Manager Amy R. Underwood, P.E.

Legal Counsel Michael G. Philipp e-mail message to me at <u>aunderwood@dgsd.org</u>.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Amy advind

Amy R. Underwood, P.E. General Manager

Encl.

C: Board of Trustees Jay Patel, IEPA Linda Wong, IEPA



Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 Sanitary Sewer Overflow or Bypass Notification Summary Report

- Within 24 hours of the occurrence, notify the Illinois EPA regional wastewater staff by telephone, FAX, email or voice mail, if staff are unavailable.
- Within 5 days of the occurrence, provide a written report describing the overflow or bypass, including all information requested on this form. The permittee is required to submit this form or other equivalent written notification to the Illinois EPA at:

Bureau of Water/Compliance Assurance Section - MC #19 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276

NOTE: You may complete this form online, save a copy locally, print, sign and submit it to the BOW/CAS MC #19, at the above address. You may also print the form before completing it by hand, signing and submitting it.

Failure to notify the Illinois EPA as specified may result in fines up to \$10,000 for each day of violation.

Instructions: Use this form to report all unscheduled sanitary sewer overflow or bypass occurrences. Attach additional information as necessary to explain or document the overflow or bypass. For the purpose of this report, an overflow or bypass is defined as the discharge of untreated sewage from the sanitary sewer collection system to a surface water and/or ground due to circumstances such as those identified by the check boxes in the overflow or bypass details section of this form.

Use one form per occurrence. A single occurrence may be more than one day if the circumstances causing the overflow or bypass results in a discharge duration of more than 24 hours. If there is a stop and restart of the overflow or bypass within 24 hours, but it is caused by the same circumstances, report it as one occurrence. If the discharges are separated by more than 24 hours, they should be reported as separate occurrences.

24 Hour Notification Information

Permittee (Mu Downers Grov	and the second se		Contraction of the second second	me):	Der: Person Representing Permittee Who Conta Amy R. Underwood			i electricity i		Permit Number: Person Representing Permittee Who Contact _0028380 Amy R. Underwood	
Date: 04-07-22	Time: 1:47	AM	PM X	IEPA Office Des Plaines	e Contacted: s		Name of IEPA Employee Contacted: Jay Patel, Linda Wong				
Sanitary Se	wer Ov	erflow	or B	ypass De	tails						
Date and Dura	tion of O	verflow	or Byp	ass Occurrer	nce (complete a sepa	arate for	m for each occurrence):				
Start Date: 04-06-22	Time: 2:50	AM	PM X	Duration of 25 minutes	the overflow or bypa	ıss <mark>(hou</mark> r	rs and minutes):				
Estimated Volu Wastewater Discharged (gallons):	V		Not ap	uring bypass plicable for a	collection	tion of th	e Overflow or Bypass:				
unknown					6301	Fairview	v Ave, Westmont				
Circumstan	ces Ca	using	the C	Overflow o	r Bypass (check	all that	at apply)				
WPC 733		Rain		Power (Outage 🗌 Equipme	ent Failu	re 🗌 Other (explain below)				
11/2011		Snow N	/lelt	× Broken	Sewer 🗌 Widespi	read Floo	oding				
failed. What c	aused the	e power	outag	e, or what plu	ugged the sewer. Flo	ooding s	ccurred. For example, describe what equipment hould only be indicated, as a cause if there is t just localized high water in the street.				
The force main	ns from th	ne Wrob	le Lift	Station broke	e, causing wastewate	er to surf	ace and flow to a nearby storm inlet.				

Wet Weather (if applicable)

Date(s) and Duration of Rainfall:

Start Date:	Time:	End Date:	Time:	Amount of Rainfall (inches)	Amount of Snow Melt (inches)
<u></u>	0		10		<u>a</u>

Contributing Soil Conditions (saturated, frozen, soil type)

Where Did the Discharge from the Overflow or Bypass Go? (check all that apply)

Provide the name of the local receiving water that the wastewater enters, which could be a nearby stream, river, lake, or wetland. If discharge does not enter directly into surface water, but indirectly by way of a ditch or storm sewer, trace the path of the ditch or storm sewer to find the receiving water.

Ditch: Name of surface water it drains to:

X Storm Sewer: Name of surface water it drains to: Retention pond at NE corner of 63rd St. and Fairview Ave, Westmont

Surface water direct discharge:

Basement Back-ups, (Number & use (i.e.residential, commercial) of buildings affected):

Other, describe:

Actions to Correct This Occurrence and Prevent Future Owerflows or Bypasses

Describe what actions were taken to minimize the volume of wastewater discharged from the overflow or bypass reported on this form. Also describe what actions are planned to prevent or minimize future overflows or bypassess. Illinois law and NPDES permits prohibit overflows or bypasses, unless certain specified conditions are met. Sanitary sewer overflows and bypasses may be the subject of enforcement action.

Flow through the force main was shut off. The storm inlet and the pavement were cleaned. The force main was repaired, leak tested, and placed back into service mid-afternoon on April 7, 2022. Ongoing sewer replacement/rehab, as described in our CMOM.

Report Completed By

Authorized Representative Contact Information

Contact Person: Amy R. Underwood				Contact Person: Amy R. Underwood			
Street Address:	s: 2710 Curtiss St 1412			Title: General Manager Street Address: 2710 Curtiss St			
PO Box:							
City:	Downers G	rove	State: IL	PO Box:	1412		
Zip Code:	60515	Phone:	630-969-0664	City:	Downers Grove	_	State: IL
County:	DuPage			Zip Code:	60515	Phone:	630-969-0664
				County:	DuPage		

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Authorized Representative Name (Print)

Title

Amy R. Underwood

General Manager

Manupa

Authorized Representative Signature

Date

04/08/2022

Board of Trustees Wallace D. Van Buren President Amy E. Sejnost Vice President

> Jeremy M. Wang Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 www.dgsd.org

Providing a Better Environment for South Central DuPage County

April 13, 2022

Mr. Daniel Hebreard President Forest Preserve District of DuPage County 3S580 Naperville Road Wheaton, Illinois 60189

Subject: Letter of Support Maple Grove Forest Preserve Bridge Replacement

Dear Mr. Hebreard:

The Downers Grove Sanitary District is pleased to provide this letter in support of the Forest Preserve District of DuPage County pursuing replacement of the aging bridge over St. Joseph Creek within Maple Grove Forest Preserve. As you are aware, a 24-inch diameter sanitary sewer owned by the Downers Grove Sanitary District is encased inside the concrete structure of the existing bridge. This sewer is essential to preventing sanitary sewer overflows during peak flow events by conveying sewage from downtown Downers Grove to our wastewater treatment center. Replacing the existing multi-pier bridge with a new single span bridge will not only safely carry pedestrian traffic while reducing debris accumulation and related upstream flooding, but it will also safely support the sanitary sewer for decades to come.

The Downers Grove Sanitary District values its relationship with the Forest Preserve District of DuPage County, and we look forward to working cooperatively to make this project a reality.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

All.

Wallace D. Van Buren President

CC: DGSD Board of Trustees & Board of Local Improvements Amy R. Underwood, DGSD General Manager **General Manager** Amy R. Underwood, P.E.

Legal Counsel Michael G. Philipp