DOWNERS GROVE SANITARY DISTRICT GENERAL MANAGER'S REPORT May 14, 2021

May Board Meeting

Copies of the following items are enclosed for the May 18, 2021 meeting:

- 1) Proposed Agenda
- 2) Minutes of the April 20, 2021 regular meeting
- 3) Claim Ordinance 1901
- 4) Elections and Appointments
- 5) Renewal of BSSRAP Contract
- 6) Memo regarding 1K-028 Phase 3 Contract Award
- 7) Memo regarding Sewer Televising Contract Award
- 8) 2021 Unsewered Area Plan
- 9) Memo regarding Vacation Buyout Offering

BOLI Meeting

There is a BOLI meeting scheduled for 6:00 pm on May 18, 2021. The meeting will be a virtual meeting. The packet for that meeting is included here. The link for the virtual meeting is provided on the agenda for that meeting.

Operations Reports

Copies of the following are enclosed for April operations:

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

Flow metering continues, including meters in the 1-M-050 (55th and Victor, DG) vicinity to evaluate post-rehabilitation and I/I reduction performance. Data collected during recent storms shows that the local system appears to be operating satisfactorily.

Financial

A copy of the Investment Schedule as of April 30, 2021 is enclosed.

The Treasurer's Report for April 2021 covering FY 20-21 is included here, along with a summary cover memo. Please note that accrued Fiscal Year 20-21 expenses are included in the Treasurer's Report. The accrued expenses are included under G/L number 01-00.2005 in Claim Ordinance 1901, which will be presented for approval at the May 18 Board meeting. The accrual practice follows generally accepted accounting principles.

Meetings

I attended the following meetings since the April 16, 2021 General Manager's report:

- April 20 participated in DRSCW consultant selection meeting for the DRSCW East Branch DuPage River Stream Restoration project. Larry also attended.
- April 20 and May 4 attended CSWEA Local Arrangements Committee meetings
- April 28 attended DRSCW General Membership meeting. Larry attended also.
- April 30 attended the IAWA Monthly Nutrient Subcommittee NARP meeting
- May 5 attended DRSCW East Branch DuPage River Special Conditions Permit Holders meeting at the Village of Lombard. Larry also attended.
- May 6 attended NACWA Water Quality Committee meeting.
- May 6 attended DRSCW West Branch DuPage River Special Conditions Permit Holders meeting at the Wheaton Sanitary District. Larry also attended.
- May 14 attended IAWA Technical Committee meeting. Clay also attended.

Miscellaneous

Copies of the following items are enclosed:

- 1) General Manager's Report to the Employees dated April 23 and May 7
- 2) April 20 letter of support for Maple Grove Forest Preserve Bridge Replacement
- 3) April 28 letter to Senator Durbin, Senator Duckworth, Rep Casten and Rep Foster requesting consideration for federal funding
- 4) April 29 letter from Jean Law
- 5) May 3 e-mail from Chloe Hunt, Chief of Staff for Rep. Sean Casten, re: Community Project Funding request. The associated letters of support provided by the Village of Downers Grove, the Village of Westmont and the Downers Grove Economic Development Corporation are also attached.
- 6) May 4 e-mail to employees re: COVID-19 Preparedness Plan updates. The updated plan is also attached.

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

DOWNERS GROVE SANITARY DISTRICT **BOARD OF TRUSTEES MEETING** MAY 18, 2021 - 7:00 PM **BOARD ROOM/VIRTUAL**

PROPOSED AGENDA

- I. APPROVAL OF MINUTES
 - A. REGULAR MEETING APRIL 20, 2021
- II. APPROVAL OF CLAIM ORDINANCE NO. 1901
- III. PUBLIC COMMENT
- IV. OLD BUSINESS
- V. NEW BUSINESS
 - A. ELECTIONS AND APPOINTMENTS
 - B. BSSRAP CONTRACT RENEWAL
 - C. 1K-028 PHASE 3 CONTRACT AWARD
 - D. SEWER TELEVISING CONTRACT AWARD
 - E. UNSEWERED AREA PLAN
 - F. VACATION BUYOUT OFFERING

PLEASE NOTE:

In order to comply with Bridge to Phase 5 under the Restore Illinois plan, the District will hold this meeting split physically and virtually. A maximum of 16 individuals will be permitted in the Board room at the District Administration Center at 2710 Curtiss Street, Downers Grove, IL 60515. In the event the Public wishes to virtually attend this meeting, they may do so using the link or phone numbers provided below:

When: May 18, 2021 07:00 PM Central Daylight Time

Topic: May Board of Trustees Meeting

LINK for Livestreamed Meeting via Zoom:

https://us02web.zoom.us/j/84674931924?pwd=c2ZjMmdlOHVKMWF4MWszNzd2Qnlidz09

Passcode: 128491

Or One tap mobile:

US: +13126266799,,84674931924#,,,,*128491# or +13017158592,,84674931924#,,,,*128491#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 312 626 6799 or +1 301 715 8592 or +1 646 558 8656 or +1 253 215 8782 or +1 346 248 7799 or +1 669 900 9128

Webinar ID: 846 7493 1924

Passcode: 128491

PUBLIC COMMENT:

The District also has an online form for the Public who wish to virtually attend or cannot attend a 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 May 18, 2021. 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, April 20, 2021, convening at 7:00 p.m. The meeting was held at the District's Administration Center, 2710 Curtiss Street, Downers Grove. Present were President Wallace D. Van Buren, Trustees Amy E. Sejnost and Paul W. Coultrap, and Administrative Supervisor W. Clay Campbell. General Manager Amy R. Underwood and Information Coordinator Alyssa J. Caballero were not physically present but did attend the meeting by electronic means (both audio and video) using Zoom. Amy Abell from GCG Financial also attended virtually. Linda Bugielski attended in-person as a member of the public. Attorney for the District Michael G. Philipp was not able to attend.

Minutes of Regular Meeting – March 16, 2021

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on March 16, 2021, and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Claim Ordinance No. 1900

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Claim Ordinance No. 1900 in the total amount of \$763,054.03 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Public Comment

Linda Bugielski spoke to the Board regarding an unpaid sewer bill from the previous owners at her home in Westmont.

New Business

Employee Health Coverage

Administrative Supervisor Campbell reviewed his memo dated April 16 regarding the June 1, 2021 renewal of the District's employee group insurance benefits plan including medical, dental, vision and life coverage. The District's medical insurance carrier, BlueCross BlueShield of Illinois, and dental insurance carrier, Principal, both offered moderate increases in premium levels for existing plan renewals. There were minor plan design changes to one of the medical plans offered by the District. The higher dental renewal increase was in exchange for a two year contract with no increase the second year. The District's vision and life insurance carriers offered to maintain premiums at their current level for another year. He recommended that the District renew its medical insurance coverage with BlueCross BlueShield of Illinois with very minor changes to the plan offerings and moderate increases to employee premium contributions to cover a portion of the increases in costs by the carrier. He also recommended that the District renew its existing plans for dental, vision and life coverage with the existing carriers and at the proposed renewal premiums. This will provide an estimated percent change of 8.14% in District-paid medical, dental, vision and life insurance premiums from the prior year, including the cost of continuing to provide

the Health Reimbursement Account (HRA) benefit to employees waiving medical coverage for themselves or their eligible spouses. A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving staff's recommendation for the District to offer employee group medical, dental, vision and life insurance coverages as presented in Administrative Supervisor Campbell's memo dated April 16. The motion carried. (Votes recorded: Ayes-Van Buren, Sejnost and Coultrap).

<u>Investment in Certificate of Deposit – First Midwest Bank</u>

Administrative Supervisor Campbell reviewed staff's purchase on March 15, 2021 of a thirteenmonth Certificate of Deposit with First Midwest Bank in the amount of \$250,000 with an annual interest rate of 0.15 percent. The Certificate of Deposit is secured by the FDIC. A motion by Trustee Coultrap seconded by Trustee Sejnost was made ratifying the actions of staff on behalf of the District to open a Certificate of Deposit on March 15, 2021 in the amount of \$250,000 with First Midwest Bank at an interest rate of 0.15 percent and a term of thirteen months. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Annual Newsletter

Staff presented a draft of the annual newsletter to be mailed to District residents with their sanitary sewer bills in May, June and July. An Open House invitation insert, a District Biosolids Program brochure and an EasyPay enrollment form were also included. The Board concurred with the annual newsletter and additional enclosures as presented.

Ordinance No. ORD 21-02

General Manager Underwood presented Ordinance No. ORD 21-02 which contains recommended ordinance amendments as described below:

A. Tap-in Fee and Trunk Sewer Service Charge (Article II Sections 13c and d)

The calculation of the tap-in fee and trunk service charge for a one bedroom apartment unit does not provide the same numeric value as is included in Ordinance No. ORD 21-01 for these two items. Since these are the only sections in the Ordinance which provide calculated values, staff proposes to remove the numeric per unit tap-in fees and trunk sewer service charges from the ordinance to avoid future discrepancies due to typographical error.

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Ordinance No. ORD 21-02 and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Other New Business

Trustee Van Buren inquired about a mainline blockage experienced by Advocate Good Samaritan Hospital. He commented on the hypochlorite bulk tank leak and OSEC generator repairs, as discussed in Maintenance Supervisor Barta's monthly report. He noted that the detailed maintenance report is appreciated. He inquired about the sewer work at 49 James and was happy to see Oscar Avila is doing well as the new permit technician, as noted in Sewer Construction Supervisor Shaffner's monthly report. Trustee Van Buren commented on the Wastewater Treatment Center Phosphorus Discharge Optimization Plan. Lastly, he inquired about the current status of recent legislation regarding the proposed dam removal at Graue Mill in Oak Brook.

Trustee Coultrap welcomed Oscar Avila to the District. He commented on the WWTC's net-zero energy usage during March, noted in Operations Supervisor Majewski's monthly report. He also commented on the DuPage/Salt Creek special conditions report. Trustee Coultrap commended staff for their work on the annual newsletter and inquired about plans for the annual Open House in September.

Trustee Sejnost also commented on the WWTC's net-zero energy usage during March, noted in Operations Supervisor Majewski's monthly report and seeing the District's net-zero goals highlighted in the annual newsletter. She also commented on the DuPage/Salt Creek special conditions report. Lastly, Trustee Sejnost also asked about the mainline blockage at Good Samaritan Hospital.

A motion was made by Trustee Coultrap seconded by Trustee Sejnost to adjourn the regular meeting at 7:38 p.m. The motion carried.

President	
	President

Downers Grove, Illinois

Date: May 18, 2021

Claim Ordinance No. 1901

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 **\$667,540.80** being in words and figures as follows:

DATE 04/07/21 PERIOD END 04/03/21 PAGE 5

Payroll Ending Date: 04/03/21 Payroll Paid Date: 04/09/21 GL Date: 05/31/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		53758.41-
01-00.2000	FEDERAL TAX WITHHELD		8952.41-
01-00.2001	STATE TAX WITHHELD		3771.58-
01-00.2002	SOCIAL SECURITY WITHHELD		6241.38-
01-00.2003	IMRF WITHHELD		3762.39-
01-00.2013	CREDIT UNION WITHHELD		980.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3258.53-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.01-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		279.79-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		204.27-
01-11.A003	GENERAL MANAGEMENT	778.85	
01-11.A004	FINANCIAL RECORDS	7106.85	
01-11.A005	ADMINISTRATIVE RECORDS	850.29	
01-11.A006	ENGINEERING	452.16	
01-11.A007	CODE ENFORCEMENT	4935.35	
01-11.A008	SAFETY ACTIVITIES	1331.25	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	375.00	
01-12.A006	ENGINEERING	1808.64	
01-12.A011	MAINTENANCE - WWTC	12998.65	
01-12.A012	MAINTENANCE - VEHICLES	111.57	
01-12.A021	WWTC - OPERATIONS	15487.63	
01-12.A022	WWTC - SLUDGE HANDLING	8671.85	
01-12.A023	WWTC - ENERGY RECOVERY	116.27	
01-12.A030	BUILDING AND GROUNDS	3260.65	
01-13.A041	LAB - WWTC	5629.84	
01-14.A051	SEWER MAINTENANCE	8790.52	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	1096.80	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	1613.02	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	407.03	
01-14.A064	INSPECTION - MISCELLANEOUS	1903.25	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1395.77	
01-14.A066	INSPECTION - CODE ENFORCEMENT	3150.23	
01-14.A085	INCENTIVE	200.00	
01-14.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	25.00	
01-15.A080	LIFT STATION MAINTENANCE	318.75	

82815.22 82815.22-

DEBIT

33684.80

33684.80-

CREDIT

Payroll Ending Date: 04/15/21 Payroll Paid Date: 04/20/21 GL Date: 05/31/21

DATE 04/21/21 PERIOD END 04/15/21 PAGE 4

COST DESCRIPTION

G/L NUMBER

______ 01-00.1001 CASH - PAYROLL ACCOUNT 21978.03-01-00.2000 FEDERAL TAX WITHHELD 3449.53-01-00.2001 STATE TAX WITHHELD 1511.33-01-00.2002 SOCIAL SECURITY WITHHELD 2528.58-01-00.2003 IMRF WITHHELD 1487.40-01-00.2014 VOLUNTARY ADDITIONAL PENSION CONTRIBUTION 1341.08-01-00.2017 VOLUNTARY GROUP LIFE 80.00-01-00.2021 FLEXIBLE ACCOUNT WITHHELD - MEDICAL 173.59-01-00.2024 FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION 490.49-01-00.2025 EMPLOYEE INS PREM CONTRIBUTION - POST TAX 127.40-01-00.2026 DEFERRED COMPENSATION WITHHELD - IPPFA 440.31-01-00.2028 DC PLAN LOAN REPAYMENT WITHHELD 77.06-01-11.A003 GENERAL MANAGEMENT 9432.34 01-11.A004 FINANCIAL RECORDS 674.32 01-11.A005 ADMINISTRATIVE RECORDS 176.70 01-11.A007 CODE ENFORCEMENT 8680.84 01-11.A008 SAFETY ACTIVITIES 155.38 01-11.A030 BUILDING AND GROUNDS 191.55 01-11.A085 INCENTIVE 400.00 01-12.A009 OPERATIONS MANAGEMENT 4283.97 MAINTENANCE - WWTC 01-12.A011 3995.79 01-12.A013 MAINTENANCE - ENERGY RECOVERY 328.53 01-12.A014 MAINTENANCE - ELECTRICAL 246.11 01-12.A021 WWTC - OPERATIONS 254.86 01-12.A023 WWTC - ENERGY RECOVERY 37.03 01-12.A030 BUILDING AND GROUNDS 109.70 01-13.A009 OPERATIONS MANAGEMENT 2856.53 01-13.A042 LAB - PRETREATMENT 1333.27 01-13.A085 INCENTIVE 200.00 01-14.A006 ENGINEERING 73.31 200.00 01-14.A085 INCENTIVE 01-15.A009 OPERATIONS MANAGEMENT 54.57

DATE 04/22/21 PERIOD END 04/17/21 PAGE 5

Payroll Ending Date: 04/17/21

Payroll Paid Date: 04/23/21 GL Date: 05/31/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001			54684.29-
01-00.2000	FEDERAL TAX WITHHELD		9026.96-
01-00.2001	STATE TAX WITHHELD		3847.06-
01-00.2002	SOCIAL SECURITY WITHHELD		6371.69-
01-00.2003	IMRF WITHHELD		3811.88-
01-00.2013	CREDIT UNION WITHHELD		980.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3369.02-
01-00.2017	VOLUNTARY GROUP LIFE		208.00-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.01-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		408.62-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		204.27-
01-11.A003	GENERAL MANAGEMENT	1546.02	
01-11.A004	FINANCIAL RECORDS	7071.88	
01-11.A005	ADMINISTRATIVE RECORDS	921.66	
01-11.A006	ENGINEERING	226.08	
01-11.A007	CODE ENFORCEMENT	4829.44	
01-11.A008	SAFETY ACTIVITIES	1312.50	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	400.00	
01-12.A006	ENGINEERING	1413.00	
01-12.A011	MAINTENANCE - WWTC	9054.31	
01-12.A014	MAINTENANCE - ELECTRICAL	4890.20	
01-12.A021	WWTC - OPERATIONS	15069.74	
01-12.A022	WWTC - SLUDGE HANDLING	9253.68	
01-12.A023	WWTC - ENERGY RECOVERY	265.09	
01-12.A030	BUILDING AND GROUNDS	3278.95	
01-12.A085	INCENTIVE	200.00	
01-13.A041	LAB - WWTC	5703.58	
01-13.A048	LAB - ENERGY RECOVERY	95.59	
01-14.A006	ENGINEERING	565.20	
01-14.A051	SEWER MAINTENANCE	9340.38	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	943.04	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2036.09	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	688.82	
01-14.A064	INSPECTION - MISCELLANEOUS	802.10	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	1130.45	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2887.86	
01-14.A072	SEWER INVESTIGATIONS	70.44	
01-14.A085	INCENTIVE	200.00	
01-15.A006	ENGINEERING	56.52	
01-15.A080	LIFT STATION MAINTENANCE	265.63	

84518.25 84518.25-

DATE 05/03/21 PERIOD END 04/30/21 PAGE 4

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001	CASH - PAYROLL ACCOUNT		25451.45-
01-00.2000	FEDERAL TAX WITHHELD		3548.48-
01-00.2001	STATE TAX WITHHELD		1677.15-
01-00.2002	SOCIAL SECURITY WITHHELD		2828.28-
01-00.2003	IMRF WITHHELD		1461.19-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		1309.13-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		173.59-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		490.49-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		127.40-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		440.57-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		77.06-
01-11.A001	TRUSTEES	4500.00	
01-11.A003	GENERAL MANAGEMENT	9663.00	
01-11.A004	FINANCIAL RECORDS	536.20	
01-11.A005	ADMINISTRATIVE RECORDS	256.93	
01-11.A007	CODE ENFORCEMENT	8538.16	
01-11.A008	SAFETY ACTIVITIES	11.17	
01-11.A030	BUILDING AND GROUNDS	192.69	
01-12.A009	OPERATIONS MANAGEMENT	4210.43	
01-12.A011	MAINTENANCE - WWTC	4073.09	
01-12.A013	MAINTENANCE - ENERGY RECOVERY	110.27	
01-12.A014	MAINTENANCE - ELECTRICAL	219.97	
01-12.A021	WWTC - OPERATIONS	292.87	
01-12.A023	WWTC - ENERGY RECOVERY	111.85	
01-12.A030	BUILDING AND GROUNDS	275.10	
01-13.A009	OPERATIONS MANAGEMENT	3404.24	
01-13.A042	LAB - PRETREATMENT	785.56	
01-14.A006	ENGINEERING	148.13	
01-14.A085	INCENTIVE	200.00	
01-15.A080	LIFT STATION MAINTENANCE	55.13	

37584.79 37584.79-

Payroll Ending Date: 04/30/21 Payroll Paid Date: 05/04/21 GL Date: 05/31/21

G/L NUMBER	COST DESCRIPTION	DEBIT	CREDIT
01-00.1001			54936.51-
01-00.2000	FEDERAL TAX WITHHELD		9010.38-
01-00.2001	STATE TAX WITHHELD		3840.49-
01-00.2002	SOCIAL SECURITY WITHHELD		6348.01-
01-00.2003	IMRF WITHHELD		3698.25-
01-00.2013	CREDIT UNION WITHHELD		980.00-
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION		3238.73-
01-00.2021	FLEXIBLE ACCOUNT WITHHELD - MEDICAL		309.65-
01-00.2024	FLEXIBLE ACCOUNT WITHHELD - PREM CONVERSION		919.01-
01-00.2025	EMPLOYEE INS PREM CONTRIBUTION - POST TAX		337.80-
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA		346.21-
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH		40.00-
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD		204.27-
01-11.A003	GENERAL MANAGEMENT	1383.40	
01-11.A004	FINANCIAL RECORDS	7089.37	
01-11.A005	ADMINISTRATIVE RECORDS	927.05	
01-11.A007	CODE ENFORCEMENT	4829.44	
01-11.A008	SAFETY ACTIVITIES	1381.25	
01-11.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	575.00	
01-12.A006	ENGINEERING	2147.76	
01-12.A011	MAINTENANCE - WWTC	10755.07	
01-12.A014	MAINTENANCE - ELECTRICAL	4527.95	
01-12.A021	WWTC - OPERATIONS	14560.83	
01-12.A022	WWTC - SLUDGE HANDLING	6735.69	
01-12.A023	WWTC - ENERGY RECOVERY	439.31	
01-12.A030	BUILDING AND GROUNDS	3987.42	
01-12.A085	INCENTIVE	800.00	
01-13.A041	LAB - WWTC	5231.69	
01-13.A048	LAB - ENERGY RECOVERY	243.32	
01-14.A006	ENGINEERING	56.52	
01-14.A051	SEWER MAINTENANCE	9667.08	
01-14.A054	SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	333.95	
01-14.A061	INSPECTION - NEW CONSTRUCTION	809.73	
01-14.A062	INSPECTION - CONSTRUCTION OF DGSD PROJECTS	2003.84	
01-14.A063	INSPECTION - PERMIT INSPECTIONS	532.27	
01-14.A064	INSPECTION - MISCELLANEOUS	969.13	
01-14.A065	INSPECTION - CONSTR BY VILLAGES, UTILITIES	968.98	
01-14.A066	INSPECTION - CODE ENFORCEMENT	2286.73	
01-14.A085	INCENTIVE	200.00	
01-14.A090	WORK FROM HOME REIMBURSEMENT ALLOWANCE	25.00	
01-15.A006	ENGINEERING	56.52	
01-15.A080	LIFT STATION MAINTENANCE	685.01	

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Payroll Ending Date: 05/01/21 Payroll Paid Date: 05/07/21 GL Date: 05/31/21

NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK N
A-FORMULA MECHANICAL CORP	A000065	04/14/21	42232	01-00.2005	MSB, Lab, R Sewg Bld Serv	1375.00		
		05/03/21	42280	01-15.B824	Hobson Mounted HVAC Unit	135.00	1510.00	103093
AT & T MOBILITY	A000085	05/03/21	831873915	01-15.B112	LS Cell Dialer	56.03	56.03	062969
ACI Payments Inc.	A000096	04/20/21	1000045932	01-11.B110	OLR Fees	38.40	38.40	103094
ADVANCED DISPOSAL	A000153	04/30/21	T80002460311	01-12.B102	Garbage & Recycling	360.77	360.77	062970
ALEXANDER CHEMICAL CORPORATION	A000200	04/30/21	38822	01-12.B404	Soda Ash	883.00	883.00	103095
ALLAN J COLEMAN	A000245	05/07/21	0247483	01-14.B115	Camera Repair	861.21	861.21	062971
ALTORFER INDUSTRIES, INC.	A000292	05/04/21	PM6A0000804	01-00.2005	Hobson Gen Repairs	5910.77		
		05/04/21	PM6A0000805	01-00.2005	Butterfield Gen Repair	860.31		
		05/04/21	PM6A0000806	01-00.2005	Portable Gen 150 Repairs	1315.57		
		05/10/21	PM6A0000929	01-00.2005	Northwest Gen Repairs	1049.83	9136.48	103096
SYNCHB/AMAZON	A000295	04/29/21	449456656589	01-11.B115	Admin Camera Install	9.77		
		04/29/21	449456656589	01-12.C225	B&G Van Back Up Cam	99.99		
		04/22/21	459835933838	01-12.B117	CP Outerwear	59.99		
		04/14/21	468945483467	01-12.B116	Ops Supplies	35.32		
		04/10/21	879568559465	01-00.2005	Label Maker & Supplies	664.87		
		04/21/21	999746367999	01-12.B117	CP Outerwear	45.56	915.50	062972
ATLAS TOYOTA MATERIAL HANDLING	A000525	04/22/21	M84610	01-12.B512	Forklift Parts	107.35	107.35	103097
BAXTER & WOODMAN, INC.	B000120	05/10/21	0223034	01-00.2005	1K-028 Flow Basin Rehab	8176.05		
		05/10/21	0223039	01-00.2005	Outfall Sewer Study	290.00		
		05/10/21	0223040	01-00.2005	Outfall Sewer Sag Repair	5097.50		
		05/10/21	0223043	01-00.2005	Misc Engineering Services	3440.00		
		05/10/21	0223044	01-00.2005	Admin Bldg Code Review	792.50	17796.05	103098
BOLLER CONSTRUCTION CO., INC.	в000280	04/30/21	21205-1	01-00.2005	Concrete Patio Install	12500.00	12500.00	062973
CALLONE	C000073	05/15/21	409440	01-11.B112	Admin Phone Service	596.86		
		05/15/21	409440	01-12.B112	WWTC Phone Service	373.01	969.87	103099
CHAMBER630	C000170	03/26/21	70826	01-11.B137	Membership Dues	290.00	290.00	062974
CHICAGO METROPOLITAN FIRE	C000240	04/10/21	IN00356622	01-12.B113	Radio Use/Maintenance	60.00		
		04/16/21	IN00357970	01-12.B113	5 Year Internal Sys Inspt	550.00		
		04/23/21	IN00358146	01-12.B113	Fire Alarm Test/Inspectn	360.00	970.00	062975
CINTAS #344	C000300	04/16/21	4081733218	01-12.B117	WWTC Uniform Rentals	62.83		
		04/16/21	4081733218	01-14.B117	SS Uniform Rentals	11.80		
		04/23/21	4082377979	01-12.B117	WWTC Uniform Rentals	62.83		
		04/23/21	4082377979	01-14.B117	SS Uniform Rentals	11.80		
		04/30/21	4083040239	01-12.B117	WWTC Uniform Rentals	89.44		
		04/30/21	4083040239	01-14.B117	SS Uniform Rentals	11.80		
		05/07/21	4083660982	01-12.B117	WWTC Uniform Rentals	62.83		
		05/07/21	4083660982	01-14.B117	SS Uniform Rentals	70.82	384.15	062976
CINTAS FIRST AID & SAFETY	C000320	05/10/21	5061633697	01-11.B113	First Aid Supplies	383.72	383.72	062977
BRUCE PETERSON	C000334		Reimburse	01-14.B128	OH Sewer Reimbursement	2900.00	2900.00	063006
COMCAST	C000373		1200550566		Internet Service	298.40	298.40	062978
COMED	C000380		0055025057		College LS Elec	233.42		
			0068029014		Centex LS Elec	86.88		
			0120089072		Wroble LS Elec	434.56		
			0458029046		Liberty Park LS Elec	271.95		

====== VENDOR ======								
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/14/21	1095091170	01-15.B100	Northwest LS Elec	743.95		
		04/30/21	1108062005	01-11.B100	Admin Elec	239.17		
		04/30/21	1108062005	01-12.B100	WWTC Elec	2653.38		
		04/14/21	1810068039	01-15.B100	Earlston LS Elec	204.67		
		04/14/21	324003812	01-15.B100	Butterfield LS Elec	123.95		
		04/14/21	4657083017	01-15.B100	Hobson LS Elec	1243.18		
		04/23/21	6770572011	01-00.2005	BSSRAP Yard Elec Use	259.51		
		04/23/21	6770572011	01-12.B100	Walnut House Elec	72.98		
		04/23/21	8762083052	01-12.B100	Big Top Elec	94.04	6924.69	062979
CONCENTRIC INTEGRATION, LLC	C000410	05/10/21	0223036	01-00.2005	Cellular Rtr/Tripp Suppls	4068.01		
		05/10/21	0223042	01-00.2005	Support Services	5778.40	9846.41	103100
CONSERV FS	C000418	04/19/21	6405369	01-12.B812	Grass Seed	102.50		
		04/23/21	6405648	01-12.B812	Grass Seed	102.50	205.00	063007
ORKILL INSURANCE	C000490	04/14/21	16317	01-17.E452	Underground Strg Tank Pol	3726.00	3726.00	062980
COVERALL NORTH AMERICA, INC	C000557	05/01/21	1010677958	01-12.B812	MSB Cleaning	304.00		
		05/01/21	1010677958	01-13.B116	Lab Cleaning	157.00		
		05/01/21	1010677960	01-11.B118	Admin Center Cleaning	429.00	890.00	103101
CUMMINS NPOWER, LLC	C000650	12/11/20	CNC-82149	01-00.2005	Portable Welder Repair	118.92		
		01/06/21	CNC-86704	01-00.2005	TV Rig Parts	101.30		
		01/12/21	CNC-87218	01-00.2005	TV Rig Parts	21.10	241.32	062981
CURTIS MARTIN GROUP, INC.	C000660	04/19/21	7969	01-11.B115	City Insight Meeting	131.25		
		04/26/21	7979	01-11.B115	PR FYE Hours Recap Fix	360.00		
		04/28/21	7985	01-11.B115	Unform Annual Maintenance	539.00		
		05/03/21	7988	01-11.B115	PR FYE Hours Recap Fix	360.00		
		05/11/21	7995	01-11.B115	PR FYE Hours Recap Fix	867.50	2257.75	103102
DAHM ENTERPRISES, INC	D000028	04/20/21	1086	01-00.2005	Sludge Removal	40997.25	40997.25	103103
DELTA SONIC	D000220	04/30/21	10296674	01-12.C225	WWTC Vehicle Washes	16.66		
		04/30/21	10296674	01-14.C225	SS Vehicle Washes	49.98	66.64	062982
/ILLAGE OF DOWNERS GROVE	D000480	04/16/21	168161	01-11.C222	Admin Vehicle Fuel	3.71		
		04/16/21	168161	01-12.B812	Gas Can	284.34		
		04/16/21	168161	01-12.C222	WWTC Vehicle Fuel	1159.58		
		04/16/21	168161	01-13.C222	Lab Vehicle Fuel	40.85		
		04/16/21	168161	01-14.C222	SS Vehicle Fuel	1429.93		
		04/15/21	168175	01-11.B121	Meter Readings	424.04		
		04/16/21	168209	01-12.B113	Elevator Re-Inspection	150.00		
		04/29/21	C2027270001	01-12.B102	WWTC Water Use	387.44		
		04/29/21	C2027271001	01-11.B102	Admin Water Use	85.99	3965.88	062983
CO INFRASTRUCTURE SOLUTIONS	E000005	03/30/21	14278	01-14.B115	SS Equip Parts	1497.34	1497.34	062984
YE MED VISION CARE	E000600		164775777		Vision Insurance	485.25	485.25	062985
TRST ADVANTAGE	F000130		2501702104		Drug Screening	34.03	34.03	103104
FIRST ENVIRONMENTAL LAB	F000140	04/08/21			Biosolids Testing	229.20	229.20	103101
EORGE'S LANDSCAPING	G000260	04/30/21			Admin Center Mowing	305.49	-	
		04/30/21	=		WWTC Mowing	1885.05		
		04/30/21	_		Butterfield LS Mowing	97.50		
		04/30/21	=		Centex LS Mowing	97.50		
		04/30/21	=		Earlston LS Mowing	97.50		
		04/30/21	1.10W1119	UI 1J.DUZ3	DOLLACON DO MONTHA	21.50		

====== VENDOR ======								
VAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/30/21	Mowing	01-15.B824	Hobson LS Mowing	97.50		
		04/30/21	Mowing	01-15.B825	Liberty Park LS Mowing	97.50		
		04/30/21	Mowing	01-15.B826	Northwest LS Mowing	97.50		
		04/30/21	Mowing	01-15.B827	Venard LS Mowing	97.50		
		04/30/21	Mowing	01-15.B828	Wroble LS Mowing	97.50	2970.54	103106
V. W. GRAINGER, INC.	G000520	04/09/21	9864526430	01-00.2005	See Sheet	717.53		
		04/13/21	9867859044	01-12.B116	See Sheet	54.18		
		04/19/21	9873764980	01-12.B513	See Sheet	22.60		
		04/26/21	9881422050	01-12.B116	See Sheet	3.82		
		04/27/21	9882273692	01-13.B115	See Sheet	14.11		
		04/27/21	9882273700	01-13.B115	See Sheet	24.20		
		04/30/21	9886873521	01-00.2005	See Sheet	148.71		
		05/03/21	9888229268	01-12.B512	See Sheet	1428.00		
		05/03/21	9888671733	01-12.B512	See Sheet	260.00		
		05/03/21	9888993251	01-12.B512	See Sheet	2850.00		
		05/05/21	9890458830	01-12.B513	See Sheet	559.24		
		05/05/21	9891526072	01-12.B512	See Sheet	39.40		
		05/06/21	9892159451	01-12.B512	See Sheet	75.14		
		05/06/21	9892159469	01-12.B113	See Sheet	49.80		
		05/06/21	9892560690	01-12.B116	See Sheet	8.92		
		05/07/21	9893523721	01-15.B113	See Sheet	1027.23		
		05/11/21	9897243748	01-12.B116	See Sheet	19.75	7302.63	103107
REAT LAKES CONCRETE, LLC	G000540	05/04/21	242479	01-14.B913	BSSRAP Items	4142.07	4142.07	062986
ML, INC.	н000035	04/20/21	83608	01-13.B123	March Biosolid Testing	1000.00	1000.00	062987
IOME DEPOT	н000400	04/29/21	3010282	01-12.B812	See Sheet	101.95		
		04/28/21	4296347	01-12.B812	See Sheet	54.76		
		04/28/21	4296348	01-12.B116	See Sheet	10.98		
		04/27/21	5040049	01-12.B116	See Sheet	28.94		
		05/07/21	5065167	01-12.B116	See Sheet	31.96		
		05/06/21	6011061	01-14.B116	See Sheet	2.36		
		04/26/21	6014463	01-12.B116	See Sheet	102.61		
		04/26/21	6056600	01-14.B113	See Sheet	21.52		
		04/26/21	6223016	01-11.B118	See Sheet	36.50		
		05/06/21	6525056	01-12.B512	See Sheet	32.94	424.52	062988
MPACT NETWORKING INC.	I000400	04/20/21	2102864	01-11.B115	Copies	67.33	67.33	103108
NFOSEND, INC.	I000415	04/30/21	190583	01-11.B121	Customer Bill Mailings	3973.39	3973.39	103109
OHNSTONE SUPPLY	J000140	04/21/21	4061504	01-12.B512	MSB Welding Table Exh	3.88	3.88	103110
ANSAS CITY LIFE INSURANCE CO	К000045	05/06/21	14887	01-17.E455	Life Insurance	414.00	414.00	103111
AI, LTD	L000012		21-18177	01-00.2005	Pump Hand Hole Guards	1307.04		
			21-18294		Dig 4&5 Sldg Vlv Replace	691.00	1998.04	103112
IBERTY MUTUAL INSURANCE CO	L000026		999064373		Official Trustee Bond Rnw	100.00	100.00	063008
AGNETROL INTERNATIONAL INC.	M000101	05/04/21			Hypo Tank 2 Level Sensor	1177.57	1177.57	062989
HARCOTT ENTERPRISES, INC.	M000101	04/08/21			Delivery Of Sand	400.72		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ERCOTT DRIBERTADEO, INC.	110001113	04/08/21			Delivery Of Sand	985.00	1385.72	103113
							1303.72	100113
MCMASTER-CARR SUPPLY COMPANY	M000360	04/13/21		01-12.B116		17.66		

===== VENDOR =====		===== IN	VOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
		04/22/21	57120075	01-12.B508	WAS Thickener Parts	50.65		
		04/22/21	57125366	01-12.B508	WAS Thickener Parts	7.24		
		04/22/21	57126221	01-12.B806	Primary 9 Parts	234.61		
		04/22/21	57129674	01-12.B508	Dig 4&5 Parts	117.27		
		04/22/21	57134213	01-12.B508	Dig 4&5 Parts	86.24		
		05/03/21	57693423	01-12.B512	Weld Torch Cyl Racks MSB	211.17		
		05/12/21	58194235	01-12.B806	Returned Items	234.61-	522.83	103114
MENARDS - BOLINGBROOK	M000430	05/06/21	13087	01-12.B507	Aeration Tank 5-7 Blst Mi	69.30	69.30	062990
MICRO CENTER	M000550	04/27/21	5396799	01-12.B116	Phone Cases	29.98	29.98	103115
MIDAMERICAN ENERGY SERVICES	LLM000554	04/20/21	259824	01-15.B100	Northwest LS Elec	944.82		
		04/26/21	259825	01-15.B100	Liberty Park LS Elec	198.64		
		04/28/21	259827	01-15.B100	Butterfield LS Elec	132.87		
		04/26/21	259828	01-15.B100	Earlston LS Elec	166.03		
		04/26/21	259829	01-15.B100	Venard LS Elec	312.23		
		04/26/21	259830	01-15.B100	Centex LS Elec	62.09		
		04/26/21	259831	01-15.B100	College LS Elec	234.24		
		04/26/21	462517	01-15.B100		595.48		
		04/26/21			Hobson LS Elec	1515.97		
		05/05/21	462554	01-11.B100	Admin Center Elec	174.44		
		05/05/21		01-12.B100	WWTC Elec	1935.25	6272.06	103116
NCPERS GROUP LIFE INSURANCE	N000010		3266042021		Voluntary Life Ins	288.00	288.00	103117
NEOGEN CORPORATION	N000230		I1085453		Lab Chemicals	227.13	227.13	103118
IICOR GAS	N000330	04/16/21			Walnut House Gas	42.74		
.10010 0110	1,000330	04/15/21			Admin Center Gas	105.94		
		04/16/21			Plant 1 Gas	234.32		
		04/19/21			Plant 2 Gas	119.25		
		04/16/21			Chem Feed Gas	135.79	638.04	062991
IISSEN ENERGY INC	N000350	04/20/21			CHP 1&2 Parts	4900.81	4900.81	103119
PACE ANALYTICAL	P000010		2140099335		April NPDES Testing	115.00	115.00	103120
	P000010				Plow Truck Repair		113.00	103120
ACKEY WEBB FORD	P000020	04/20/21			-	1205.71	1455.91	102121
PHENOVA	D000360	04/20/21			B&G Van Key Replacement	250.20	823.88	103121
	P000360	04/27/21			Lab Chemicals	823.88		103122
POLYDYNE INC.	P000395	04/21/21			Belt Press Polymer	2142.54	2142.54	103123
PORTABLE JOHN, INC	P000410	04/28/21			Port A Potty for WWTC	157.88	157.88	103124
PORTER PIPE AND SUPPLY CO.	P000420		12219974-00		Aeration Tnk 5-7 Blast Mi	184.72	184.72	103125
PRINCIPAL LIFE INSURANCE CO	P000650	04/17/21			Dental Insurance	2464.57	2464.57	103126
RAPTOR TECH INC.	R000105	04/16/21		01-00.2005		453.82		
		04/28/21			Repair Jetter Nozzle	286.08		
		05/07/21			Drive Hub Machining	281.00		
		05/11/21			Sludge Auger Spindles	820.00	1840.90	103127
RENTALMAX ADMINISTRATION	R000250		469403-5		Admin Security Cam Instal	360.74		
			471591-5		Fork Lift Fuel	33.69	394.43	063009
Republic Services #551	R000264		015145307		Grit Screen Dumpster	934.01	934.01	062992
REVERE ELECTRIC	R000275	04/26/21	S4380662.003	01-00.2005	Admin Security Camera Ins	89.43		
		04/22/21	S4391753.001	01-00.2005	Admin Security Camera Ins	42.92		
		04/23/21	S4392201.001	01-12.B502	Level Sensor Repl Tank 2	7.66		

NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
NAPIE	NONDER	DAIL	NOMBER	G/L NOMBER	EAFENGE DESCRIPTION	EAFENDE	CHECK AND	CHECK IV
		04/23/21	S4392577.001	01-00.2005	Admin Securit Camera Inst	307.30	447.31	062993
ROYAL GRAPHICS INC	R000500	05/09/21	98165	01-11.B120	Newsletters & Inserts	3751.00	3751.00	062994
SAFETY-KLEEN SYSTEMS, INC.	S000050	04/13/21	85881452	01-12.B116	MSB Supplies	313.38	313.38	103128
SEAWAY SUPPLY CO.	S000200	04/15/21	168764	01-12.B116	MSB Supplies	150.21		
		04/26/21	169179	01-12.B116	MSB Supplies	341.79		
		05/06/21	169179-01	01-12.B116	MSB Supplies	156.13		
		05/06/21	169510	01-13.B116	Lab Supplies	58.00		
		05/10/21	169579	01-12.B116	MSB Supplies	58.00	764.13	103129
SELECTIVE INSURANCE COMPANY	S000210	04/23/21	417-147-515	01-17.E452	Ins Endorsement	50.00	50.00	062995
SERPENTIX CONVEYOR CORP.	S000230	04/13/21	20119	01-12.B504	Conveyor Scraper Insert	1538.90	1538.90	063010
SOIL & MATERIAL	S000445	04/27/21	46275	01-00.2005	Outfall Sewer Sag Repair	3987.00	3987.00	062996
SOLENIS LLC	S000450	04/22/21	131794410	01-12.B402	WAS Thickener Polymer	2520.00	2520.00	103130
SOUND INCORPORATED	S000480	05/10/21	D1354093	01-11.B115	Lab Phone Replacement	235.69	235.69	103131
SPRING GREEN LAWN CARE	S000550	05/04/21	5699549	01-11.B118	Lawn Service	62.00	62.00	062997
STEPHENS PLUMBING AND	S000680	04/13/21	232239	01-14.B910	Shear Repair	334.60		
		04/14/21	232281	01-14.B910	Shear Repair	395.55		
		04/14/21	232291	01-14.B910	Shear Repair	575.60		
		04/27/21	232691	01-14.B910	Shear Repair	503.70		
		05/03/21	232878	01-14.B910	Shear Repair	321.20	2130.65	062998
SUBURBAN DOOR CHECK & LOCK	S000850	05/05/21	IN536417	01-12.B812	Key Duplicates	31.20	31.20	103132
SUBURBAN LIFE PUBLICATIONS	S000867	04/30/21	10071278	01-11.B124	Legal Publications	598.66	598.66	062999
SUSTAINABLE GENERATION, LLC	S000900	05/05/21	2012-3	01-00.2005	Compost Pilot	4000.00	4000.00	103133
TARGET SOLUTIONS LEARNING LLC	T000065	05/31/21	INV23982	01-11.B113	Safety Learning Platform	1795.00	1795.00	103134
TERRACE SUPPLY COMPANY	T000250	04/30/21	01022548	01-12.B116	Cylinder Rentals	51.00	51.00	103135
TRAVELERS	T000440	04/26/21	7100M3232	01-17.E452	Cyber Crime Policy	6660.00	6660.00	063000
JSABLUEBOOK	U000150	04/20/21	578774	01-13.B115	Lab Supplies	282.70		
		04/27/21	585752	01-13.B115	Lab Supplies	171.00	453.70	063001
JNITED PARCEL SERVICE	U000300	05/08/21	3Y0091191	01-14.B115	Parts Return Shipping	15.56	15.56	063002
UNO CONSTRUCTION CO., INC.	U000450	04/30/21	10	01-14.B910	BSSRAP Projects	32413.30	32413.30	103136
WR INTERNATIONAL INC.	V000030	04/27/21	8804555186	01-13.B114	Lab Chemicals	122.26	122.26	063003
VERIZON WIRELESS	V000135	05/01/21	542042956	01-12.B112	WWTC Tablets	118.05		
		05/01/21	542042956	01-14.B112	SS Tablets	87.48		
		05/01/21	542042956	01-15.B112	LS Tablets	36.01		
		04/28/21	785846626	01-11.B112	Admin Cell	259.05		
		04/28/21	785846626	01-12.B112	WWTC Cell	1047.54		
		04/28/21	785846626	01-13.B112	Lab Cell	148.80		
		04/28/21	785846626	01-14.B112	SS Cell	990.07		
		04/28/21	785846626	01-15.B112	LS Cell	280.89	2967.89	063004
WAGNER COMMUNICATIONS, INC	W000070	05/01/21	210500069	01-11.B112	Answering Service	473.14	473.14	103137
NESTFAX	W000350	05/01/21	137363	01-11.B112	EFax Service	8.99	8.99	103138
/ILLAGE OF WESTMONT	W000450	04/14/21	716903	01-11.B121	Meter Readings	370.01	370.01	063005
						=======	=======	
					Total Payments:	235910.14	235910.14	
					ACH Payments Total:	166843.36	.00	
				Ch	neck Payments Total:	69066.78	235910.14	



NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
NAME	NUMBER	DAIL	NUMBER	G/L NUMBER	EAPENSE DESCRIPTION	EAPENSE	CHECK AWI	CHECK N
AT&T	A000075	05/11/21	08126787504	01-11.B112	DSL Service	62.82	62.82	103088
CHASE	B000050	04/13/21	PR 04/03/21	01-00.2000	Federal Tax	8952.41		
		04/13/21	PR 04/03/21	01-00.2002	Empl Soc Sec Tax	6241.38		
		04/13/21	PR 04/03/21	01-17.E461	Emplr Soc Sec Tax	6241.36	21435.15	103071
CHASE	B000050	04/22/21	SPR 04/15/21	01-00.2000	Federal Tax	3449.53		
		04/22/21	SPR 04/15/21	01-00.2002	Empl Soc Sec Tax	2528.58		
		04/22/21	SPR 04/15/21	01-17.E461	Emplr Soc Sec Tax	2528.59	8506.70	103074
CHASE	в000050	04/27/21	PR 04/17/21	01-00.2000	Federal Tax	9026.96		
		04/27/21	PR 04/17/21	01-00.2002	Empl Soc Sec Tax	6371.69		
		04/27/21	PR 04/17/21	01-17.E461	Emplr Soc Sec Tax	6371.62	21770.27	103078
CHASE	B000050	05/04/21	SPR 04/30/21	01-00.2000	Federal Tax	3548.48		
		05/04/21	SPR 04/30/21	01-00.2002	Empl Soc Sec Tax	2828.28		
		05/04/21	SPR 04/30/21	01-17.E461	Emplr Soc Sec Tax	2828.28	9205.04	103081
CHASE	B000050	05/10/21	PR 05/01/21	01-00.2000	Federal Tax	9010.38		
		05/10/21	PR 05/01/21	01-00.2002	Empl Soc Sec Tax	6348.01		
		05/10/21	PR 05/01/21	01-17.E461	Emplr Soc Sec Tax	6348.03	21706.42	103085
D.G. SANIT DIST #XXXXXXXXX111	7 D000400	05/19/21	Reimburse	01-00.1001	PR Acct Reimburse	210808.69	210808.69	103092
D.G. SANIT DIST #XXXXXXXXX111	4 D000420	05/19/21	Reimburse	01-05.3001	User Refund Acct Reimburs	3525.74	3525.74	103089
O.G. SANIT DIST #XXXXXXXXX111	12 D000440	05/19/21	Reimburse	01-11.B117	AB & ARU CSWEA	140.00		
		05/19/21	Reimburse	01-12.B116	Supplies & Soda	185.92		
		05/19/21	Reimburse	01-12.B812	Landscape Supplies	121.80		
		05/19/21	Reimburse	01-13.B117	SC Annual Meeting	60.00		
		05/19/21	Reimburse	01-14.B117	RPS Annual Meeting	60.00	567.72	103091
DUPAGE CREDIT UNION	D000650	04/09/21	PR 04/03/21	01-00.2013	Empl Authorized W/Holding	980.00	980.00	103070
DUPAGE CREDIT UNION	D000650	04/23/21	PR 04/17/21	01-00.2013	Empl Authorized W/Holding	980.00	980.00	103077
DUPAGE CREDIT UNION	D000650	05/07/21	PR 05/01/21	01-00.2013	Empl Authorized W/holding	980.00	980.00	103084
HEALTH CARE SERVICE CORP.	н000190	04/27/21	165585	01-17.E455	Health Insurance	41582.04	41582.04	103067
DAVID HUDGSON	н000485	05/13/21	Refund	01-05.3001	Refund of Wrong Payment	2665.11	2665.11	062856
ILLINOIS DEPARTMENT OF REVENU	JE I000240	04/13/21	PR 04/03/21	01-00.2001	State Tax	3771.58	3771.58	103072
ILLINOIS DEPARTMENT OF REVENU	JE I000240	04/22/21	SPR 04/15/21	01-00.2001	State Tax	1511.33	1511.33	103075
ILLINOIS DEPARTMENT OF REVENU	JE I000240	04/27/21	PR 04/17/21	01-00.2001	State Tax	3847.06	3847.06	103079
ILLINOIS DEPARTMENT OF REVENU	JE I000240	05/04/21	SPR 04/30/21	01-00.2001	State Tax	1677.15	1677.15	103082
ILLINOIS DEPARTMENT OF REVENU	JE I000240	05/10/21	PR 05/01/21	01-00.2001	State Tax	3840.49	3840.49	103086
ILLINOIS MUNICIPAL	1000300	05/10/21	Pension	01-00.2003	Empl Pension Deposit	10463.68		
		05/10/21	Pension	01-00.2014	Empl Vol Pension Deposit	9222.00		
		05/10/21	Pension	01-17.E461	Emplr Pension Deposit	23415.39	43101.07	103068
INVOICE CLOUD	I000750	05/10/21	607-2021-4	01-11.B121	Biller Portal Fees	410.10	410.10	103090
MIDAMERICA ADMIN HRA ACCOUNT	M000557	04/28/21	HRA Funding	01-17.E455	HRA Acct Funding	500.00	500.00	103066
TRANSAMERICA RETIREMENT	T000415	04/09/21	PR 04/03/21	01-00.2026	Def Comp IPPFA	279.79		
		04/09/21	PR 04/03/21	01-00.2027	Def Comp Roth IPPFA	40.00		
		04/09/21	PR 04/03/21	01-00.2028	Def Comp Loan Repay IPPFA	204.27	524.06	103073
TRANSAMERICA RETIREMENT	T000415	04/20/21	SPR 04/15/21	01-00.2026	Def Comp IPPFA	440.31		
		04/20/21	SPR 04/15/21	01-00.2028	Def Comp Loan Repay IPPFA	77.06	517.37	103076
TRANSAMERICA RETIREMENT	T000415	04/23/21	PR 04/17/21	01-00.2026	Def Comp IPPFA	408.62		
		04/23/21	PR 04/17/21	01-00.2027	Def Comp Roth IPPFA	40.00		
		04/23/21	PR 04/17/21	01-00 2028	Def Comp Loan Repay IPPFA	204.27	652.89	103080



===== VENDOR ====	=======	===== IN	NOICE =====					
NAME	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
TRANSAMERICA RETIREMENT	T000415	05/04/21	SPR 04/30/21	01-00.2026	Def Comp IPPFA	440.57		
		05/04/21		01-00.2028	-		517.63	103083
TRANSAMERICA RETIREMENT	T000415	05/07/21	PR 05/01/21	01-00.2026	Def Comp IPPFA	346.21		
		05/07/21	PR 05/01/21	01-00.2027	Def Comp Roth IPPFA	40.00		
		05/07/21	PR 05/01/21	01-00.2028	Def Comp Loan Repay IPPFA	204.27	590.48	103087
Zoom Inc.	Z000200	04/26/21	P-89465915	01-11.B115	Subscription	40.00	40.00	103069
						=======		
					Total Payments:	406276.91	406276.91	
					ACH Payments Total:	403611.80	.00	
				Ch	neck Payments Total:	2665.11	406276.91	



02 IMPROVEMENT FUND STANDARD CHECK REGISTER FOR 05/18/21

	NUMBER	DATE	NUMBER	G/L NUMBER	EXPENSE DESCRIPTION	EXPENSE	CHECK AMT	CHECK NO
NC.	B000120	05/10/21	0223041	02-00.2005	Centex Lift Station Desgn	24453.75		
		05/10/21	0223043-1	02-00.2005	Unsewered Area Plan QA/QC	900.00	25353.75	103139
						=======		
					Total Payments:	25353.75	25353.75	
					ACH Payments Total:	25353.75	.00	
				Ch	eck Payments Total:	.00	25353.75	
TE								
CVIEWED								
USTEE APPROV	V AL							
				PRESIDENT				
	TE	TE	05/10/21 TE	05/10/21 0223043-1 TE	05/10/21 0223043-1 02-00.2005 Ch TTE VIEWED USTEE APPROVAL	05/10/21 0223043-1 02-00.2005 Unsewered Area Plan QA/QC Total Payments: ACH Payments Total: Check Payments Total: UNITE UNITE PRESIDENT PRESIDENT	05/10/21 0223043-1 02-00.2005 Unsewered Area Plan QA/QC 900.00 Total Payments: 25353.75 ACH Payments Total: 25353.75 Check Payments Total: .00 TE WIEWED USTEE APPROVAL PRESIDENT PRESIDENT	05/10/21 0223043-1 02-00.2005 Unsewered Area Plan QA/QC 900.00 25353.75 Total Payments: 25353.75 25353.75 ACH Payments Total: 25353.75 .00 Check Payments Total: .00 25353.75 TE VIEWED USTEE APPROVAL PRESIDENT



ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 05/18/21

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-00.1000	CASH		642187.05-
01-00.1001	CASH - PAYROLL ACCOUNT	210808.69	
01-00.2000	FEDERAL TAX WITHHELD	33987.76	
01-00.2001	STATE TAX WITHHELD	14647.61	
01-00.2002	SOCIAL SECURITY WITHHELD	24317.94	
01-00.2003	IMRF WITHHELD	10463.68	
01-00.2005	CLEARING	110588.10	
01-00.2013	CREDIT UNION WITHHELD	2940.00	
01-00.2014	VOLUNTARY ADDITIONAL PENSION CONTRIBUTION	9222.00	
01-00.2017	VOLUNTARY GROUP LIFE	288.00	
01-00.2026	DEFERRED COMPENSATION WITHHELD - IPPFA	1915.50	
01-00.2027	DEFERRED COMPENSATION WITHHELD - IPPFA ROTH	120.00	
01-00.2028	DC PLAN LOAN REPAYMENT WITHHELD	766.93	
01-05.3001	USER RECEIPTS	6190.85	
01-11.B100	ELECTRICITY	413.61	
01-11.B101	NATURAL GAS	105.94	
01-11.B102	WATER, GARBAGE AND OTHER UTILITIES	85.99	
01-11.B110	BANK CHARGES	38.40	
01-11.B112	COMMUNICATION	1699.26	
01-11.B113	EMERGENCY/SAFETY EQUIPMENT	2178.72	
01-11.B115	EQUIPMENT/EQUIPMENT REPAIR	2610.54	
01-11.B117	EMPLOYEE/DUTY COSTS	140.00	
01-11.B118	BUILDING AND GROUNDS	832.99	
01-11.B120	PRINTING/PHOTOGRAPHY	3751.00	
01-11.B121	USER BILLING MATERIALS	5177.54	
01-11.B124	CONTRACT SERVICES	598.66	
01-11.B137	MEMBERSHIPS/SUBSCRIPTIONS	290.00	
01-11.C222	GAS/FUEL	3.71	
01-12.B100	ELECTRICITY	4755.65	
01-12.B101	NATURAL GAS	532.10	
01-12.B102	WATER, GARBAGE AND OTHER UTILITIES	1682.22	
01-12.B112	COMMUNICATION	1538.60	
01-12.B113	EMERGENCY/SAFETY EQUIPMENT	1169.80	
01-12.B116	SUPPLIES	1634.24	
01-12.B117	EMPLOYEE/DUTY COSTS	417.51	
01-12.B402	CHEMICALS - SLUDGE DEWATERING	4662.54	
01-12.B404	CHEMICALS - OTHER	883.00	
01-12.B501	EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOSAL	820.00	
01-12.B502	EQPT/EQPT REPAIR - DISINFECTION	1185.23	
01-12.B504	EQPT/EQPT REPAIR - GRIT REMOVAL	1538.90	
01-12.B506	EQPT/EQPT REPAIR - PRIMARY TREATMENT	281.00	
01-12.B507	EQPT/EQPT REPAIR - SECONDARY TREATMENT	254.02	
01-12.B508	EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	261.40	
01-12.B509	EQPT/EQPT REPAIR - SLUDGE DEWATERING	1385.72	
01-12.B510	EQPT/EQPT REPAIR - SLUDGE DIGESTION	691.00	
01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	5040.48	



ACCOUNTS PAYABLE GENERAL LEDGER RECAP FOR 05/18/21

G/L NUMBER	COST ACCTG DESCRIPTION	DEBIT	CREDIT
01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	581.84	
01-12.B806	BLDG AND GROUNDS - PRIMARY TREATMENT	.00	
01-12.B812	BLDG AND GROUNDS - WWTC GENERAL	3145.98	
01-12.C222	GAS/FUEL	1159.58	
01-12.C225	OPERATION/REPAIR	116.65	
01-13.B112	COMMUNICATION	148.80	
01-13.B114	CHEMICALS	1173.27	
01-13.B115	EQUIPMENT/EQUIPMENT REPAIR	492.01	
01-13.B116	SUPPLIES	215.00	
01-13.B117	EMPLOYEE/DUTY COSTS	60.00	
01-13.B123	OUTSIDE LAB SERVICES	1344.20	
01-13.C222	GAS/FUEL	40.85	
01-14.B112	COMMUNICATION	1077.55	
01-14.B113	EMERGENCY/SAFETY EQUIPMENT	21.52	
01-14.B115	EQUIPMENT/EQUIPMENT REPAIR	2660.19	
01-14.B116	SUPPLIES	2.36	
01-14.B117	EMPLOYEE/DUTY COSTS	166.22	
01-14.B128	OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM	2900.00	
01-14.B910	SEWER SYSTEM REPAIRS - BSSRAP PROGRAM	34543.95	
01-14.B913	SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/REH	4142.07	
01-14.C222	GAS/FUEL	1429.93	
01-14.C225	OPERATION/REPAIR	49.98	
01-15.B100	ELECTRICITY	7767.98	
01-15.B112	COMMUNICATION	372.93	
01-15.B113	EMERGENCY/SAFETY EQUIPMENT	1027.23	
01-15.B820	BLDG AND GROUNDS - BUTTERFIELD	97.50	
01-15.B821	BLDG AND GROUNDS - CENTEX	97.50	
01-15.B823	BLDG AND GROUNDS - EARLSTON	97.50	
01-15.B824	BLDG AND GROUNDS - HOBSON	232.50	
01-15.B825	BLDG AND GROUNDS - LIBERTY PARK	97.50	
01-15.B826	BLDG AND GROUNDS - NORTHWEST	97.50	
01-15.B827	BLDG AND GROUNDS - VENARD	97.50	
01-15.B828	BLDG AND GROUNDS - WROBLE	97.50	
01-17.E452	LIABILITY/PROPERTY	10536.00	
01-17.E455	EMPLOYEE GROUP HEALTH	45445.86	
01-17.E461	SOCIAL SECURITY	47733.27	
02-00.1000	CASH		25353.75-
02-00.2005	CLEARING	25353.75	
		=========	=======================================
		667540.80	667540.80-

Vendor	Invoice Date	Amount	Coding	Coding Description	Purchase Location	Emp.	Procurement	Project Name (If applicable)	Item Description
Grainger	04/09/21	\$717.53	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	04/13/21	\$54.18	01-12.B116	WWTC SUPPLIES	Delivered	СР		Supplies	Boot Cleaning Brushes
Grainger	04/19/21	\$22.60	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	In-Store	ST			air filters for unison skid
Grainger	04/26/21	\$3.82	01-12.B116	WWTC SUPPLIES	Delivered	MM		Supplies	Funnels for oil changes
Grainger	03/18/21	\$24.70	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	04/27/21	\$14.11	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	Delivered	DRB	circle k	battery charger / batteries	new charger and rechargeable batteries for BOD meter
Grainger	04/27/21	\$24.20	01-13.B115	LAB EQUIPMENT/EQUIPMENT REPAIR	Delivered	DRB		battery charger / batteries	new charger and rechargeable batteries for BOD meter
Grainger	04/30/21	\$148.71	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Hardware & Plumbing Supplies
Grainger	05/03/21	\$1,428.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	FF		Shop Tool	New Induction Bearing Heater
Grainger	05/03/21	\$260.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	FF		Shop Tool	Accessory for New Induction Bearing Heater
Grainger	05/03/21	\$2,850.00	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	FF		Shop Tool	New Downdraft Table for Metal Grinding
Grainger	05/05/21	\$559.24	01-12.B513	EQPT/EQPT REPAIR - WWTC UTILITIES	Delivered	BS		CHP Repairs	Oil Transfer Pump
Grainger	05/05/21	\$39.40	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	AC		Maintenance Repair Supplies	Cut-Off Wheels for Grinder
Grainger	05/06/21	\$75.14	01-12.B512	EQPT/EQPT REPAIR - WWTC GENERAL	Delivered	JPB		Maintenance Repair Supplies	Drill Bits & Taps
Grainger	05/06/21	\$49.80	01-12.B113	WWTC EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Supplies	Safety Glasses (40 Pairs) Yes, 40 Pairs
Grainger	05/06/21	\$8.92	01-12.B116	WWTC SUPPLIES	In-Store	AC		Supplies	Oil Funnel
Grainger	05/07/21	\$1,027.23	01-15.B113	EMERGENCY/SAFETY EQUIPMENT	Delivered	AC		Safety Equipment	New O2 Probe/Gas Detector
Grainger	05/12/11	\$19.75	01-12.B116	WWTC SUPPLIES	Delivered	JM		Supplies	Replacement Calculator for Bio Office
Home Depot	04/29/21	\$101.95	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	СР		Landscaping	Garden hoses & Sprinklers
Home Depot	04/28/21	\$54.76	01-12.B812	BLDG & GROUNDS - WWTC GENERAL	In-Store	ST		WWTC Gazebo Installation	Pea Gravel for Gazebo Legs

	5/13/2021 5/19/2021 Reimburse		Petty Cash Checking Reimbursement			D-440
Date	Purchased Fron	n	Description	Code	Amount	Ck No.
04/19/21	CSWEA		Annual Meeting Registration ARU, AMB	11.B117	120.00	3705
	CSWEA		Annual Meeting Registration SC	13.B117	60.00	
	CSWEA		Annual Meeting Registration RPS	14.B117	60.00	
04/19/21	CSWEA		Webinar	11.B117	20.00	3706
04/28/21	Costco		MSB Supplies	12.B116	79.72	3707
05/03/21	Dr. Pepper		Soda for WWTC	12.B116	106.20	3708
05/12/21	Ground Effects		Landscape Materials	12.B812	121.80	3709
			Total Receipts/Reim	bursement	567.72	
Expense b	y code					
11.B117		140.00				

185.92

121.80

60.00

60.00 567.72

12.B116

12.B812

13.B117

14.B117

DOWNERS GROVE SANITARY DISTICT

MEMO

TO: Board of Trustees

FROM: Amy R. Underwood

General Manager

DATE: May 14, 2021

RE: Election and Appointments

Staff recommends that the Board conduct the following elections and make the following appointments for Fiscal Year 2021-2022 at the May 18 meeting:

Nominate and elect President

Nominate and elect Vice President

Nominate and elect Clerk

Appoint Assistant Clerk

Appoint General Manager

Appoint Treasurer

Appoint engineering firm for District sewer system and Wastewater Treatment Center

Appoint law firm as attorneys for the District

Appoint members of the Board of Local Improvements

As a reference, I have also attached the pertinent excerpt of the minutes from the May 19, 2020 meeting.

cc: KJR, RTJ, MJS, WCC, MGP

MINUTES

The monthly meeting of the Downers Grove Sanitary District Board of Trustees was held on Tuesday, May 19, 2020, convening at 7:00 p.m. The meeting was held virtually online through Zoom, a video conferencing app. Present were President Wallace D. Van Buren, Trustee Amy E. Sejnost, and Trustee Paul W. Coultrap, General Manager Amy. R. Underwood, Administrative Supervisor W. Clay Campbell, Staff Engineer Alex M. Bielawa, Information Coordinator Alyssa J. Caballero and Attorney Michael G. Philipp. Also present was Derek Wold from Baxter and Woodman, the District's engineering firm.

Minutes of Regular Meeting – April 21, 2020

A motion was made by Trustee Coultrap seconded by Trustee Sejnost approving the minutes of the regular meeting held on April 21, 2020 as presented and authorizing the President and Clerk to sign same. The motion carried.

Claim Ordinance No. 1889

A motion was made by Trustee Sejnost seconded by Trustee Coultrap adopting Claim Ordinance No. 1889 in the total amount of \$928,961.09 as presented and authorizing the President and Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Public Comment - None

<u>Old Business</u> – None

New Business:

Elections and Appointments

The following elections and appointments were made: A motion was made by Trustee Coultrap seconded by Trustee Sejnost nominating Wallace D. Van Buren as President, closing the nominations for President and electing by unanimous consent Wallace D. Van Buren as President. The motion carried. (Votes recorded: Ayes—Sejnost and Coultrap.) A motion was made by Trustee Van Buren seconded by Coultrap nominating Amy S. Sejnost as Vice President, closing the nominations for Vice President and electing by unanimous consent Amy S. Sejnost as Vice President. The motion carried. (Votes recorded: Ayes—Van Buren and Coultrap.) A motion was made by Trustee Sejnost seconded by Trustee Van Buren nominating Paul W. Coultrap as Clerk, closing the nominations for Clerk and electing by unanimous consent Paul W. Coultrap as Clerk. The motion carried. (Votes recorded: Ayes—Van Buren and Sejnost.) A motion was made by Trustee Coultrap seconded by Trustee Sejnost appointing William Clay Campbell as Assistant Clerk. The motion carried. (Votes recorded: Ayes—Van Buren, Sejnost and Coultrap.) A motion was made by Sejnost seconded by Trustee Coultrap appointing Amy R. Underwood as General Manager. The motion carried. (Votes recorded: Ayes—Van Buren, Sejnost and Coultrap.) A motion

was made by Trustee Sejnost seconded by Trustee Coultrap appointing William Clay Campbell as Treasurer. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.) A motion was made by Trustee Coultrap seconded by Trustee Sejnost appointing Baxter and Woodman, Inc. as engineers for the District sewer system and Wastewater Treatment Center. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.) A motion was made by Trustee Sejnost seconded by Trustee Coultrap appointing Philipp Law Office as attorneys for the District. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.) A motion was made by Trustee Sejnost seconded by Trustee Coultrap appointing Kenneth J. Rathje, Robert T. Jungwirth and Mark J. Scacco as members of the Board of Local Improvements. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

COVID-19 Work from Home Reimbursement Policy

Administrative Supervisor Campbell presented a memo regarding a proposed temporary work from home reimbursement policy related to the current COVID-19 pandemic. The policy was recommended by staff to reimburse specific District employees that are required to work from home during the pandemic for particular expenses incurred by the employees utilizing personal resources to perform District business. The reimbursement of reasonable expenses by an employee that largely benefit an employer is required by state statute. A motion by Trustee Coultrap seconded by Trustee Sejnost was made approving the District to offer to those employees who are required to work from home by the District during the current COVID-19 pandemic an amount not to exceed \$25 per pay period in order to reimburse employees for certain personal resources used to conduct District business and authorizing the General Manager and Assistant Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

Renewal of BSSRAP Contract

General Manager Underwood presented a memo regarding a proposed Amendment No. 3 to the Sanitary Service Repairs Agreement with Uno Construction Company, Inc. This contract was awarded in 2017 and allows for an annual extension of the contract for up to a total of five years upon the mutual written consent of the District and the contractor. The contract also provides for annual adjustments to the unit prices based upon the greater of 3.00% or 100.00% of the annual change in the CPI-U from the preceding calendar year. The contractor has requested the annual extension. The annual change in the CPI-U for this year is 1.46%. This year's annual increase in the contractor's unit prices will be 3.0% bringing the contract price for this work to \$1,193,470.84 for the period from July 1, 2020 through June 30, 2020. A motion by Trustee Coultrap seconded by Trustee Sejnost was made approving Amendment No. 3 to the Sanitary Service Repairs Agreement with Uno Construction Company, Inc. and authorizing the General Manager and Assistant Clerk to sign same. The motion carried. (Votes recorded: Ayes–Van Buren, Sejnost and Coultrap.)

<u>Contract Approval – Paving</u>

General Manager Underwood reviewed the bids received on May 14 for paving services contract. Ten bids were received. She recommended that the contract be awarded to the lowest responsible, responsive bidder, Meyer Paving, Inc. of Maple Park, Illinois in the amount of \$97,647.70. Trustee

DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Board of Trustees

FROM: Amy R. Underwood

General Manager

DATE: May 14, 2021

RE: Sanitary Service Repairs Agreement – Amendment No. 4

In 2017, the District awarded the Sanitary Service Repairs project to Uno Construction Company, Inc. The contract documents for this project allow the annual extension of the contract, for up to a total of five years, upon the mutual written consent of the District and the contractor. In 2020, the District awarded the third annual extension to Uno Construction. Uno Construction has requested the fourth annual extension for 2021. District staff continues to be pleased with Uno's performance on this project. The original bid specifications for this project provided that upon renewal an annual increase in the contractor's unit prices will be based upon the greater of 3% or 100% of the annual change in the CPI-U. The annual change in the CPI-U for this year is 1.12%. This year's annual increase in the contractor's unit prices will be 3.0% bringing the contract price for this work to \$1,229,256.75 for the period from July 1, 2021 through June 30, 2022. At the end of this period, the District would need to rebid this entire contract commencing with the July 1, 2022 – June 30, 2023 period.

I will request Board approval of the attached Sanitary Service Repairs Agreement – Amendment No. 4 at the May 18 meeting.

Attachment

cc: KJR, RTJ, MJS, WCC, RPS, MGP

SANITARY SERVICE REPAIRS AGREEMENT AMENDMENT NO. 4

Whereas the DOWNERS GROVE SANITARY DISTRICT (hereinafter called OWNER) and UNO CONSTRUCTION CO., INC. (hereinafter called CONTRACTOR) previously executed an agreement dated June 2, 2017 for the Downers Grove Sanitary District Sanitary Service Repairs project (Engineers Project No. 170215); and

Whereas, the initial term of said agreement expires on June 30, 2018; and

Whereas, the term of said agreement was extended to June 30, 2019 by

Amendment No. 1; and

Whereas, the term of said agreement was further extended to June 30, 2020 by

Amendment No. 2; and

Whereas, the term of said agreement was extended to June 30, 2021 by

Amendment No. 3; and

Whereas, the provisions of said agreement allow the annual extension of the term of the agreement upon the mutual written agreement of the OWNER and the CONTRACTOR and allow annual adjustments to the CONTRACTOR'S unit prices.

NOW, THEREFORE, in consideration of the mutual covenants, conditions, and agreements herein set forth, and other good and valuable consideration, the parties hereto agree as follows:

- 1) The term of the June 2, 2017 agreement is hereby extended to June 30, 2022.
- 2) The work to be performed will be substantially completed on or before May 31, 2021, and completed and ready for final payment in accordance with paragraph 1.11 of the Supplementary Conditions on or before June 30, 2021.

- 3) The CONTRACTOR'S unit prices are hereby increased by 3.00%, as detailed on Exhibit A, for all work performed under this agreement from July 1, 2021 through June 30, 2022.
- 4) The CONTRACTOR shall provide performance and payment bonds in the amount of \$1,229,256.75 for the period from July 1, 2021 through June 30, 2022.
- 5) All other provisions of the June 2, 2017 agreement remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement as of the 18th day of May, 2021.

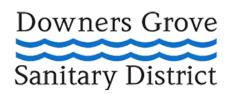
OWNER: DOWNERS GROVE SANITARY DISTRICT OF DUPAGE COUNTY, ILLINOIS

(SEAL) ATTEST:	By:Amy R. Underwood, General Manager
W. Clay Campbell, Assistant Clerk	_
	CONTRACTOR: UNO CONSTRUCTION CO., INC.
(SEAL) ATTEST:	By:Alberto Garcia, President
Blanca Mireya Garcia, Secretary	_

Approxis No. Pay Item 1 REPLACE BUILDING SANITARY SERVICE LINES: 6-inch PVC, sdr-26, ASTM 2241 Point Repair (1'-5') 0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Servicor Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-16 feet deep	mate	each		Unit <u>Price</u>	<u>Amount</u>	3.00% Unit Price		3.00% Unit		3.00%		3.00%	
No. Pay Item Quant	200 15 5	each			Amount			Unit					
LINES: 6-inch PVC, sdr-26, ASTM 2241 Point Repair (1'-5') 0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Servicos Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-16 feet deep	15 5	each				_	Amount	Price	Amount	Unit Price	Amount	Unit <u>Price</u>	Amount
6-inch PVC, sdr-26, ASTM 2241 Point Repair (1-5) 0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Service Replacement (> 5) 0-10 feet deep 10-16 feet deep 10-15 feet deep 10-15 feet deep 10-15 feet deep 10-15 feet deep 10-10 feet deep 10-17 feet deep 10-18 feet deep 10-18 feet deep	15 5	each											
0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Service Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-15 feet deep 15-20 feet deep Additional Main Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-15 feet deep 6-inch Riser pipes REPLACE SANITARY SEWER MAINS:	15 5	each											
10-15 feet deep 15-20 feet deep Additional Service Replacement (> 5') 0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Main Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-15 feet deep 10-15 feet deep 10-15 Reet deep 10-15 Reet deep 6-inch Riser pipes 2 REPLACE SANITARY SEWER MAINS:	15 5		\$	1,500.00	300,000.00	1,545.00	309,000.00	1,591.35	318,270.00	1,639.09	327,818.00	1,688.26	337,652.00
Additional Service Replacement (> 5') 0-10 feet deep 10-15 feet deep 15-20 feet deep Additional Main Replacement (> 5') 0-10 feet deep 10-15 feet deep 10-15 feet deep 6-inch Riser pipes		each	\$	2,100.00	31,500.00	2,163.00	32,445.00	2,227.89	33,418.35	2,294.73	34,420.95	2,363.57	35,453.55
10-15 feet deep 15-20 feet deep Additional Main Replacement (> 5') 0-10 feet deep 10-15 feet deep 15-20 feet deep 6-inch Rilser pipes	450	each	\$	2,000.00	10,000.00	2,060.00	10,300.00	2,121.80	10,609.00	2,185.45	10,927.25	2,251.01	11,255.05
15-20 feet deep Additional Main Replacement (> 5') 0-10 feet deep 10-15 feet deep 15-20 feet deep 6-inch Riser pipes 2 REPLACE SANITARY SEWER MAINS:	50	L.F. L.F.	\$	44.00 40.00	19,800.00 2,000.00	45.32 41.20	20,394.00 2,060.00	46.68 42.44	21,006.00 2,122.00	48.08 43.71	21,636.00 2,185.50	49.52 45.02	22,284.00 2,251.00
0-10 feet deep 10-15 feet deep 15-20 feet deep 6-inch Riser pipes 2 REPLACE SANITARY SEWER MAINS:	20	L.F.	\$	60.00	1,200.00	61.80	1,236.00	63.65	1,273.00	65.56	1,311.20	67.53	1,350.60
15-20 feet deep 6-inch Riser pipes 2 REPLACE SANITARY SEWER MAINS:	50	L.F.	\$	47.00	2,350.00	48.41	2,420.50	49.86	2,493.00	51.36	2,568.00	52.90	2,645.00
2 REPLACE SANITARY SEWER MAINS:	50 20	L.F.	\$	47.00 47.00	2,350.00 940.00	48.41 48.41	2,420.50 968.20	49.86 49.86	2,493.00 997.20	51.36 51.36	2,568.00 1,027.20	52.90 52.90	2,645.00 1,058.00
	50	Vert. Ft.	\$	47.00	2,350.00	48.41	2,420.50	49.86	2,493.00	51.36	2,568.00	52.90	2,645.00
8-inch - 12-inch PVC, sdr-26 ASTM 2241 Point Repair (1'-5')													
0-10 feet deep 10-15 feet deep	5 5		\$ \$	4,000.00 4,000.00	20,000.00	4,120.00 4,120.00	20,600.00 20,600.00	4,243.60 4,243.60	21,218.00 21,218.00	4,370.91 4,370.91	21,854.55 21,854.55	4,502.04 4,502.04	22,510.20 22,510.20
15-20 feet deep Additional Main Replacement (> 5')	5		\$	3,800.00	19,000.00	3,914.00	19,570.00	4,031.42	20,157.10	4,152.36	20,761.80	4,276.93	21,384.65
0-10 feet deep	25	L.F.	\$	60.00	1,500.00	61.80	1,545.00	63.65	1,591.25	65.56	1,639.00	67.53	1,688.25
10-15 feet deep 15-20 feet deep	25 25		\$	60.00 60.00	1,500.00 1,500.00	61.80 61.80	1,545.00 1,545.00	63.65 63.65	1,591.25 1,591.25	65.56 65.56	1,639.00 1,639.00	67.53 67.53	1,688.25 1,688.25
3 REPLACE BUILDING SANITARY SERVICE LINES (HAND EXCAVATION): 6-inch PVC, sdr-26, ASTM 2241 Point Repair (1-5')													
0-10 feet deep Additional Service Replacement (> 5')	20	each	\$	1,800.00	36,000.00	1,854.00	37,080.00	1,909.62	38,192.40	1,966.91	39,338.20	2,025.92	40,518.40
0-10 feet deep	50	L.F.	\$	60.00	3,000.00	61.80	3,090.00	63.65	3,182.50	65.56	3,278.00	67.53	3,376.50
4 BUILDING FOUNDATION REPAIR:	10	each	\$	350.00	3,500.00	360.50	3,605.00	371.32	3,713.20	382.46	3,824.60	393.93	3,939.30
5 HAND TUNNELLING:	50	L.F.	\$	125.00	6,250.00	128.75	6,437.50	132.61	6,630.50	136.59	6,829.50	140.69	7,034.50
6 SANITARY SEWER SERVICE FITTINGS: 6-inch Branch (wye) fittings 8-inch x 6-inch	20	each	\$	350.00	7,000.00	360.50	7,210.00	371.32	7,426.40	382.46	7,649.20	393.93	7,878.60
10-inch x 6-inch 12-inch x 6-inch	5	each each	\$	200.00 185.00	1,000.00 925.00	206.00 190.55	1,030.00 952.75	212.18 196.27	1,060.90 981.35	218.55 202.16	1,092.75 1,010.80	225.11 208.22	1,125.55 1,041.10
15-inch x 6-inch	5	each	\$	185.00	925.00	190.55	952.75	196.27	981.35	202.16	1,010.80	208.22	1,041.10
6-inch 22 bend 6-inch 45 bend	25 50	each each	\$	50.00 50.00	1,250.00 2,500.00	51.50 51.50	1,287.50 2,575.00	53.05 53.05	1,326.25 2,652.50	54.64 54.64	1,366.00 2,732.00	56.28 56.28	1,407.00 2,814.00
6-inch 90 bend 6-inch Non-Shear Coupling	5 400	each each	\$	50.00 95.00	250.00 38,000.00	51.50 97.85	257.50 39,140.00	53.05 100.79	265.25 40,316.00	54.64 103.81	273.20 41,524.00	56.28 106.92	281.40 42,768.00
8-inch Non-Shear Coupling	20	each	\$	100.00	2,000.00	103.00	2,060.00	106.09	2,121.80	109.27	2,185.40	112.55	2,251.00
Service Saddle 6-inch plug	5 12		\$	80.00 5.00	400.00 60.00	82.40 5.15	412.00 61.80	84.87 5.30	424.35 63.60	87.42 5.46	437.10 65.52	90.04 5.62	450.20 67.44
7 MACHINE TAP MAIN, 8":	5	each	\$	200.00	1,000.00	206.00	1,030.00	212.18	1,060.90	218.55	1,092.75	225.11	1,125.55
8 SANITARY SERVICE CLEANOUT:	240	each	\$	300.00	72,000.00	309.00	74,160.00	318.27	76,384.80	327.82	78,676.80	337.65	81,036.00
9 REPAIR OR ADJUST SANITARY SERVICE CLEANOUT:	10	each	\$	40.00	400.00	41.20	412.00	42.44	424.40	43.71	437.10	45.02	450.20
10 BACKFILLING WITH SPECIAL GRANULAR BACKFILL MATERIALS:	1,000	CY	\$	48.00	48,000.00	49.44	49,440.00	50.92	50,920.41	52.45	52,450.00	54.02	54,020.00
11 FORCE MAIN REPAIR: Point Repair:													
10-inch 12-inch	1	each each	\$	3,000.00 3,000.00	3,000.00 3,000.00	3,090.00 3,090.00	3,090.00 3,090.00	3,182.70 3,182.70	3,182.70 3,182.70	3,278.18 3,278.18	3,278.18 3,278.18	3,376.53 3,376.53	3,376.53 3,376.53
14-inch 16-inch	1	each each	\$	2,000.00 3,000.00	2,000.00 3,000.00	2,060.00 3,090.00	2,060.00 3,090.00	2,121.80 3,182.70	2,121.80 3,182.70	2,185.45 3,278.18	2,185.45 3,278.18	2,251.01 3,376.53	2,251.01 3,376.53
20-inch	1	each	\$	3,000.00	3,000.00	3,090.00	3,090.00	3,182.70	3,182.70	3,278.18	3,278.18	3,376.53	3,376.53
Additional Main Replacement (<10') 10-inch	1	L.F.	\$	35.00	35.00	36.05	36.05	37.13	37.13	38.24	38.24	39.39	39.39
12-inch 14-inch	1	L.F. L.F.	\$	35.00 35.00	35.00 35.00	36.05 36.05	36.05 36.05	37.13 37.13	37.13 37.13	38.24 38.24	38.24 38.24	39.39 39.39	39.39 39.39
16-inch	1	L.F.	\$	35.00	35.00	36.05	36.05	37.13	37.13	38.24	38.24	39.39	39.39
20-inch Bypass Pumping:	1	L.F.	\$	35.00	35.00	36.05	36.05	37.13	37.13	38.24	38.24	39.39	39.39
0-2000 gpm 2000 - 4000 gpm	10 10		\$	400.00 400.00	4,000.00 4,000.00	412.00 412.00	4,120.00 4,120.00	424.36 424.36	4,243.60 4,243.60	437.09 437.09	4,370.90 4,370.90	450.20 450.20	4,502.00 4,502.00
4000 - 7500 gpm	10		\$	400.00	4,000.00	412.00	4,120.00	424.36	4,243.60	437.09	4,370.90	450.20	4,502.00

UNIT PRICES			BID PRICE	S - 3/15/17	UNIT PRI	CES - 7/1/18	UNIT PR	ICES - 7/1/19	UNIT PRI	ICES - 7/1/20	UNIT PRI	ICES - 7/1/21
GREATER OF 3.00% OR 100% OF CHANGE IN CHICAGO	AREA CPI-U				3.00%		3.00%		3.00%		3.00%	
	Approximate		Unit		Unit		Unit		Unit		Unit	
No. Pay Item	Quantity		Price	Amount								
12 SANITARY SEWER MANHOLE												
REPLACEMENT: 8" - 15" Sewer												
0-10 feet deep	5 each	\$		20,000.00	4,120.00	20,600.00	4,243.60	21,218.00	4,370.91	21,854.55	4,502.04	22,510.20
10-15 feet deep 15-20 feet deep	5 each 5 each	\$		20,000.00 22,500.00	4,120.00 4,635.00	20,600.00 23,175.00	4,243.60 4,774.05	21,218.00 23,870.25	4,370.91 4,917.27	21,854.55 24,586.35	4,502.04 5,064.79	22,510.20 25,323.95
18" - 24" Sewer	o caon	ľ	-1,500.00	22,300.00	4,033.00	25,175.00	4,774.03	23,070.23	4,517.27	24,300.33	3,004.79	25,525.55
0-10 feet deep	2 each	\$	7,000.00	14,000.00	7,210.00	14,420.00	7,426.30	14,852.60	7,649.09	15,298.18	7,878.56	15,757.12
10-15 feet deep 15-20 feet deep	2 each 2 each	\$		14,000.00 10,000.00	7,210.00 5,150.00	14,420.00 10,300.00	7,426.30 5,304.50	14,852.60 10,609.00	7,649.09 5,463.64	15,298.18 10,927.28	7,878.56 5,627.55	15,757.12 11,255.10
13 INTERNAL MANHOLE CHIMNEY SEAL:	15 each	ś	450.00	6,750.00	463.50	6,952.50	477.41	7,161.15	491.73	7,375.95	506.48	7,597.20
14 EXTERNAL MANHOLE CHIMNEY SEAL:	15 each	\$	600.00	9,000.00	618.00	9,270.00	636.54	9,548.10	655.64	9,834.60	675.31	10,129.65
15 REMOVE AND REPLACE MANHOLE				5,555.55		5,2.5.55		2,212112		-,		15,120.00
ACCESSORIES:												
Frame and Cover Cover	5 each 5 each	\$	600.00 125.00	3,000.00	618.00 128.75	3,090.00	636.54 132.61	3,182.70	655.64 136.59	3,278.20 682.95	675.31 140.69	3,376.55 703.45
Adjusting Rings	5 each	\$		625.00 375.00	128.75 77.25	643.75 386.25	132.61 79.57	663.05 397.85	136.59 81.96	682.95 409.80	140.69 84.42	703.45 422.10
16 RAISE MANHOLE FRAME AND COVER: 0-12 Inch Dia. Paved Area	5 each	ś	1,000.00	5,000.00	1,030.00	5,150.00	1,060.90	5,304.50	1,092.73	5,463.65	1,125.51	5,627.55
0-12 Inch Dia. Non-Paved Area	5 each	\$	800.00	4,000.00	824.00	4,120.00	848.72	4,243.60	874.18	4,370.90	900.41	4,502.05
12-48 Inch Dia. Paved Area 12-48 Inch Dia. Non-Paved Area	2 each 2 each	\$		2,600.00 2,000.00	1,339.00 1,030.00	2,678.00 2,060.00	1,379.17 1,060.90	2,758.34 2,121.80	1,420.55 1,092.73	2,841.10 2,185.46	1,463.17 1,125.51	2,926.34 2,251.02
12-46 IIICII Dia. Non-Paved Alea	2 6401	ľ	1,000.00	2,000.00	1,030.00	2,060.00	1,060.90	2,121.00	1,092.73	2,100.40	1,125.51	2,251.02
17 REPLACEMENT OF EXISTING STORM SEWER:												
4-inch perforated PVC 8-inch PVC	20 L.F. 20 L.F.	\$	20.00 20.00	400.00 400.00	20.60 20.60	412.00 412.00	21.22 21.22	424.40 424.40	21.86 21.86	437.20 437.20	22.52 22.52	450.40 450.40
18 ABANONDMENT OF EXISTING CATCH												
BASIN:	5 each	\$	110.00	550.00	113.30	566.50	116.70	583.50	120.20	601.00	123.81	619.05
19 RESTORATION OF LAWNS AND PARKWAYS:												
Topsoil and sod	4,700 SY	\$		70,500.00	15.45	72,615.00	15.91	74,793.45	16.39	77,033.00	16.88	79,336.00
Topsoil and seed Respread and Fine Grade Topsoil and Mulch	450 SY 450 SY	\$		2,250.00 2,250.00	5.15 5.15	2,317.50 2,317.50	5.30 5.30	2,387.04 2,387.04	5.46 5.46	2,457.00 2,457.00	5.62 5.62	2,529.00 2,529.00
20 RESTORATION OF STREETS:												
Bit. Concrete Street	150 SY	\$		6,750.00	46.35	6,952.50	47.74	7,161.00	49.17	7,375.50	50.65	7,597.50
Bit. Concrete Driveway PCC Base Course	125 SY 50 SY	\$	35.00 80.00	4,375.00 4,000.00	36.05 82.40	4,506.25 4,120.00	37.13 84.87	4,641.25 4,243.50	38.24 87.42	4,780.00 4,371.00	39.39 90.04	4,923.75 4,502.00
Bituminous Base Course	50 SY	\$	65.00	3,250.00	66.95	3,347.50	68.96	3,448.00	71.03	3,551.50	73.16	3,658.00
PCC Street PCC Driveway	50 SY 50 SY	\$		4,000.00 2,750.00	82.40 56.65	4,120.00 2,832.50	84.87 58.35	4,243.50 2,917.50	87.42 60.10	4,371.00 3,005.00	90.04 61.90	4,502.00 3,095.00
Gravel Driveway	50 SY	\$	20.00	1,000.00	20.60	1,030.00	21.22	1,061.00	21.86	1,093.00	22.52	1,126.00
PCC Sidewalk PCC Curb and Gutter	200 SF 50 L.F.	\$	7.00 10.00	1,400.00 500.00	7.21 10.30	1,442.00 515.00	7.43 10.61	1,486.00 530.50	7.65 10.93	1,530.00 546.50	7.88 11.26	1,576.00 563.00
Gravel Shoulder	50 L.F.	\$	5.00	250.00	5.15	257.50	5.30	265.00	5.46	273.00	5.62	281.00
Temporary Cold Patch	150 SY	\$	40.00	6,000.00	41.20	6,180.00	42.44	6,366.00	43.71	6,556.50	45.02	6,753.00
21 SEWER TESTING FOR FINAL INSPECTION:	5 each	\$	1,100.00	5,500.00	1,133.00	5,665.00	1,166.99	5,834.95	1,202.00	6,010.00	1,238.06	6,190.30
22 EXPLORATORY EXCAVATION:	15 L.F.	\$	20.00	300.00	20.60	309.00	21.22	318.30	21.86	327.90	22.52	337.80
23 EMERGENCY REPAIR AND CLEANOUT												
INSTALLATION: Mobilization	85 each	\$	400.00	34,000.00	412.00	35,020.00	424.00	36,070.60	436.72	37,121.20	449.82	38,234.70
Weekends	5 each	\$	400.00	2,000.00	412.00	2,060.00	424.00	2,121.80	436.72	2,183.60	449.82	2,249.10
Holidays	5 each	\$		2,000.00	412.00	2,060.00	424.00	2,121.80	436.72	2,183.60	449.82	2,249.10
24 TRAFFIC CONTROL AND PROTECTION:	10 each	\$	150.00	1,500.00	154.50	1,545.00	159.14	1,591.40	163.91	1,639.10	168.83	1,688.30
25 ROD SERVICE: First hour	200 each	s	350.00	70.000.00	360.50	72.100.00	371.50	74,263.00	382.65	76.530.00	394.13	78,826.00
Each additional hour	20 each	\$		4,800.00	247.20	4,944.00	254.50	5,092.32	262.14	5,242.80	270.00	5,400.00
26 BONDING:	4		12 000 00	12 000 00	12 200 00	12 200 00	12 704 70	12 704 70	14 205 45	14 205 45	1462464	14 604 64
Payment Bond Performance Bond	1 each 1 each	\$	13,000.00 13,000.00	13,000.00 13,000.00	13,390.00 13,390.00	13,390.00 13,390.00	13,791.70 13,791.70	13,791.70 13,791.70	14,205.45 14,205.45	14,205.45 14,205.45	14,631.61 14,631.61	14,631.61 14,631.61
Warranty Bond	1 each	\$	13,000.00	13,000.00	13,390.00	13,390.00	13,791.70	13,791.70	14,205.45	14,205.45	14,631.61	14,631.61
27 COORDINATION WITH PLUMBER FOR REPAIR OF PIPE SHEAR:	20 each	\$	100.00	2,000.00	103.00	2,060.00	106.09	2,121.80	109.27	2,185.40	112.55	2,251.00
		Ľ		\$1,092,200.00		\$1,124,966.00						
	TOTAL AMOUNT OF BID:			φ1,09∠,200.00		φ1,1∠4,966.00		\$1,158,715.00		\$1,193,470.84	1	\$1,229,256.75

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood

Legal CounselMichael G. Philipp

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P.O. Box 1412
Downers Grove, IL 60515-0703
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Providing a Better Environment for South Central DuPage County

Memo

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer

Date: May 13, 2021

Subject: 1K-028 Flow Basin Rehabilitation – Phase 3 Contract Award

Bids were opened for the 1K-028 Flow Basin Rehabilitation – Phase 3 Project on May 11, 2021. Attached is the award recommendation letter from Baxter & Woodman.

The project scope includes removal and replacement of three manholes and over 700 Lineal Feet of 8-inch and 10-inch open cut sanitary sewer, including connections to new and existing manholes and existing services, street restoration, alley restoration, and other miscellaneous items of work.

The lowest bid came in 6% above the engineer's estimate of \$658,700.00. The 5-year financial plan includes \$707,000.00 in FY 2021-2022 for construction and construction engineering services in anticipation of this project. The project will be funded from the general fund. Since the bid came in higher than anticipated, I intend to complete more of the construction engineering in-house than originally planned.

We received two bids for the project. The low bidder, Performance Construction & Engineering of Plano, Illinois, has previously conducted similar work for other municipalities and is well qualified to do this work.

Staff recommends that we seek approval from the Board of Trustees at the May 18,2021 Board of Trustees meeting to award the 1K-028 Flow Basin Rehabilitation – Phase 3 Contract to the lowest, responsible, and responsive bidder, Performance Construction & Engineering of Plano, Illinois, in the amount of \$698,713.00 and to authorize the General Manager to execute the agreement.

C: BOT, BOLI, WCC, RPS, MGP



May 12, 2021

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

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

RECOMMENDATION TO AWARD

Subject: Downers Grove Sanitary District - 1K-028 Flow Basin Rehabilitation - Phase 3

Dear President and Trustees:

The following bids were received for the Project on May 11, 2021:

<u>Bidder</u>	Base Bid
Performance Construction Engineering LLC Plano, Illinois	\$698,713.00
Bisping Construction Co., Inc. New Lenox, Illinois	\$758,274.23

Our pre-bid opinion of probable cost for the project was \$658,700.00

We have analyzed each of the bids and find Performance Construction Engineering, LLC 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 Performance Construction Engineering, LLC is qualified to complete the project.

We recommend award of the Contract to Performance Construction, LLC in the amount of \$698,713.00. The executed bid tab is enclosed for your files.



Please advise me of your decision.

ent f Wold

Sincerely,

BAXTER & WOODMAN, INC. CONSULTING ENGINEERS

Derek J. Wold, P.E., BCEE

Vice-President / Water-Wastewater Group Leader

Enc.

 $I:\ Azure\ DGSD1\ 150980-1K-028\ Basin\ Rehab\ 42-Phase\ 3\ 12-Bidding\ Award-Recommendation-1K-028\ Basin\ Rehabilitation\ PH3. doc$

DOWNERS GROVE SANITARY DISTRICT 1K-028 Basin Rehabilitation - Phase 3

				ENGINEER'S	SES	ГІМАТЕ	Performance (Construction & Engineering Plano, IL	Bisping Construction New Lenox, IL		
No. Pay Item		oximate antity		Unit Price		Amount	Unit Price	Amount	Unit Price	Amount	
1.2 REMOVE AND REPLACE SANITARY SEWER 8-inch PVC, SDR-26, ASTM D2241											
8-12 feet deep 10-inch PVC SDR-26, ASTM D2241	339	FOOT	\$	200.00	\$	67,800.00	\$275.00	\$93,225.00	\$243.10	\$82,410.90	
12-16 feet deep 16-20 feet deep	70 310	FOOT FOOT	\$	310.00 465.00		21,700.00 144,150.00	\$325.00 \$350.00	\$22,750.00 \$108,500.00	\$304.42 \$368.73	\$21,309.40 \$114,306.30	
1.3 REMOVE AND REPLACE SANITARY SEWER MANHOLES:											
4-foot dia, 8-12 feet deep 4-foot dia, 16-20 feet deep	1 1	EACH EACH	\$ \$	9,000.00 19,000.00		9,000.00 19,000.00	\$15,000.00 \$50,000.00	\$15,000.00 \$50,000.00	\$34,021.43 \$63,899.88	\$34,021.43 \$63,899.88	
1.4 REMOVE AND REPLACE PARTIAL SANITARY DROP MANHOLE	1	EACH	\$	7,500.00	\$	7,500.00	\$25,000.00	\$25,000.00	\$41,093.75	\$41,093.75	
1.5 BUILDING SERVICE BRANCH FITTING:	40	E4011		005.00	•	7.500.00	DO 100 00	000 000 00	# 00.00	# 200.00	
8x6 inch 10x6 inch	12 12	EACH EACH	\$	625.00 675.00		7,500.00 8,100.00	\$2,400.00 \$2,500.00	\$28,800.00 \$30,000.00	\$80.03 \$135.43	\$960.36 \$1,625.16	
1.6 BUILDING SERVICE LINES 6-inch PVC SDR-26, ASTM D2241	220	FOOT	\$	95.00	\$	20,900.00	\$225.00	\$49,500.00	\$323.17	\$71,097.40	
1.7 BUILDING SERVICE RISER PIPE:						·					
6-inch	24	VFOOT	\$	95.00	\$	2,280.00	\$220.00	\$5,280.00	\$2,499.34	\$59,984.16	
1.8 BUILDING SERVICE CLEANOUT 6-inch	24	EACH	\$	2,200.00	\$	52,800.00	\$1,100.00	\$26,400.00	\$201.61	\$4,838.64	
1.9 BUILDING CLEANOUT CASING	24	EACH	\$	500.00	\$	12,000.00	\$500.00	\$12,000.00	\$2,007.18	\$48,172.32	
1.1 SEWER TELEVISING FOR FINAL INSPECTION:					•		•	4070.00	•	00 505 04	
8-inch 10-inch	339 380	FOOT FOOT	\$	7.00 7.00		2,373.00 2,660.00	\$2.00 \$2.00	\$678.00 \$760.00	\$7.39 \$7.39	\$2,505.21 \$2,808.20	
1.11 GRANULAR BACKFILL: Sanitary Sewer:											
8-12 feet deep, 8-inch dia. 12-16 feet deep, 10-inch dia.	339 70	FOOT FOOT	\$ \$	100.00 150.00		33,900.00 10,500.00	\$120.00 \$150.00	\$40,680.00 \$10,500.00	\$109.68 \$152.67	\$37,181.52 \$10,686.90	
16-20 feet deep, 10-inch dia. Storm Sewer	310	FOOT	\$	200.00		62,000.00	\$200.00	\$62,000.00	\$154.50	\$47,895.00	
0-8 feet deep, 10-inch dia.	20	FOOT	\$	80.00	\$	1,600.00	\$50.00	\$1,000.00	\$57.87	\$1,157.40	
1.12 REMOVE AND REPLACE STORM SEWER AND STRUCTURES											
10-inch PVC	20	FOOT	\$	110.00	\$	2,200.00	\$120.00	\$2,400.00	\$419.19	\$8,383.80	
1.13 PAVEMENT RESTORATION: Gravel Alley	880	SQYD	\$	110.00	\$	96,800.00	\$20.00	\$17,600.00	\$25.26	\$22,228.80	
HMA Street	60	SQYD	\$	110.00	\$	6,600.00	\$150.00	\$9,000.00	\$306.76	\$18,405.60	
Gravel Parking Lot Bituminous Parking Lot	20 20	SQYD SQYD	\$ \$	13.00 80.00		260.00 1,600.00	\$20.00 \$87.00	\$400.00 \$1,740.00	\$131.79 \$175.14	\$2,635.80 \$3,502.80	
Concrete Driveway (Alley Apron)	80	SQYD	\$	105.00		8,400.00	\$130.00	\$10,400.00	\$135.43	\$10,834.40	
Sidewalk	100	SQFT	\$	14.00	\$	1,400.00	\$18.00	\$1,800.00	\$8.00	\$800.00	
Combined Concrete Curb and Gutter	80	FOOT	\$	50.00	\$	4,000.00	\$50.00	\$4,000.00	\$49.25	\$3,940.00	
1.14 LAWN AND PARKWAY RESTORATION 4-inch Topsoil and Sod	40	SQYD	\$	23.00	\$	920.00	\$25.00	\$1,000.00	\$140.66	\$5,626.40	
1.15 REMOVE FENCING:	1	LSUM	\$	1,100.00	\$	1,100.00	\$10,000.00	\$10,000.00	\$3,504.90	\$3,504.90	
1.16 TEMPORARY FENCING:	1,200	FOOT	\$	5.00	\$	6,000.00	\$4.00	\$4,800.00	\$8.92	\$10,704.00	
1.17 MISCELLANEOUS RESTORATION: per Lot	26	EACH	\$	500.00	\$	13,000.00	\$500.00	\$13,000.00	\$500.00	\$13,000.00	
1.18 REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	20	CUYD	\$	285.00	\$	5,700.00	\$25.00	\$500.00	\$37.55	\$751.00	
1.19 TRAFFIC CONTROL AND PROTECTION:	1	LSUM	\$	25,000.00	\$	25,000.00	\$40,000.00	\$40,000.00	\$8,002.80	\$8,002.80	
TOTAL CONSTRUCTION COST:						658,700.00		\$698,713.00		\$758,274.23	

owest Responsive, Responsible Bidder

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood

Legal Counsel Michael G. Philipp

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

Memo

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer

Date: May 13, 2021

Subject: 2021 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 six bids, which were opened on May 11, 2021. 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 \$83,864.60.

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 May 18, 2021 Board of Trustees meeting to award the 2021 Sewer Televising contract to Sewertech LLC of Schaumburg, Illinois in the amount of \$83,864.60 and for the General Manager and Assistant Clerk to sign the same.

C: BOT, BOLI, WCC, MGP

DOWNERS GROVE SANITARY DISTRICT 2021 Sewer Televising Contract Bid Opening: May 11, 2021 - 1:00 PM

			SEWER	TECH LLC		Power Rodding Corp.	Hydro-Vision T	echnology LLC	Visu- Sewer o	of Illinois, LLC	Chicagoland Rehabilita			Plumbing & er, Inc.
			Schau	mburg, IL	Chi	cago, IL	Romeo	ville, IL	Bridge	view, IL	Niles	, IL	Bedford Park, IL	
No.	Pay Item	Approximate Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1.1	SANITARY SEWER TELEVISING 8-14 inch diameter	70,786 LIN. FT	\$1.10	\$77,864.60	\$1.08	\$76,448.88	\$1.21	\$85,651.06	\$1.48	\$104,763.28	\$1.69	\$119,628.34	\$2.50	\$176,965.00
1.2	SANITARY SEWER HEAVY CLEANING	40 HOURS	\$150.00	\$6,000.00	\$350.00	\$14,000.00	\$375.00	\$15,000.00	\$350.00	\$14,000.00	\$375.00	\$15,000.00	\$300.00	\$12,000.00
	TOTAL CONSTRUCTION COST:			\$83,864.60		\$90,448.88		\$100,651.06		\$118,763.28		\$134,628.34		\$188,965.00
				Responsive, sible Bidder										

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood

Legal CounselMichael G. Philipp

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

Memo

To: Amy Underwood, General Manager From: Alex Bielawa, Staff Engineer

Date: May 13, 2021

Subject: 2021 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:

- 1. Evaluated unit prices using changes in the construction cost index to estimate the project costs in 2021. The construction cost index increased since the last update in 2020. Therefore, the 2020 unit prices were increased by 1.03 percent to reflect 2021 construction costs.
- 2. Revised quantities and other information in the Downers Grove Park sub-area to reflect 2020 new sewer construction in the Katrine-College (South) sub-basin along Katrine Ave.

This annual update to the Unsewered Area Plan will be presented to the Board of Trustees for approval at the May 18, 2021 Board Meeting. Upon Board Approval the document will be posted to the District's website.

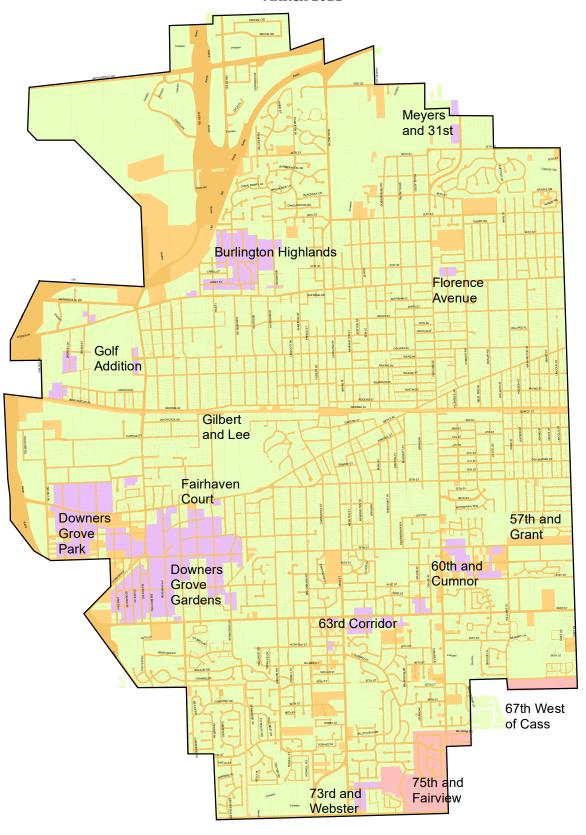
As in our practice, we will review and update the plan next spring.

C: BOT, BOLI, KWS, WCC, MGP

Downers Grove Sanitary District

Unsewered Area Plan

MARCH 2021



Downers Grove Sanitary District

Unsewered Area Plan March 2021

TABLE OF CONTENTS

Title a	and Table of Contents	i
1.	Introduction	1
2.	Existing Service Area	4
3.	Methods of Obtaining Service in Unsewered Areas	5
3.1	Special Assessment	5
3.1.1	Annexation	5
3.1.2	Special Assessment Procedure	5
3.2	Construction by Private Party	7
3.3	Cash Plan	7
3.3.1	Cash Plan - Non-Profit Organization	7
3.3.2	Contract With Sanitary District	9
3.4	Special Service Area	9
4.	Unsewered Sub-Areas	. 10
4.1	73rd and Webster	. 11
4.2	Downers Grove Park	. 16
4.3	Downers Grove Gardens	. 46
4.4	Fairhaven Court	. 89
4.5	Burlington Highlands	. 94
4.6	Golf Addition	133
4.7	Florence Avenue	156
4.8	Meyers and 31st	161
4.9	57th and Grant.	171
4.10	60th and Cumnor.	176
4.11	63rd Corridor	205
4.12	Gilbert and Lee	234
4.13	Plan Summary	239

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.

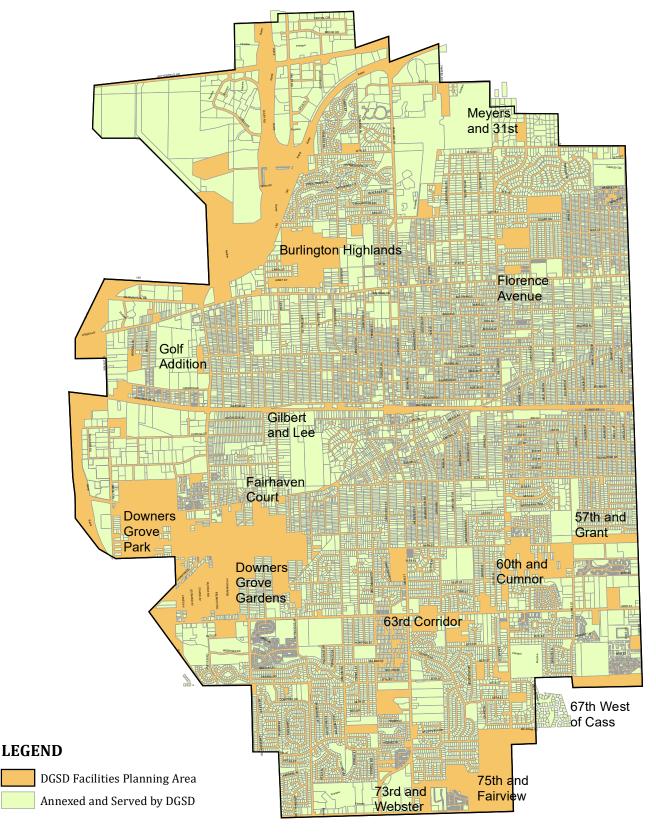
There are sewer users within the District FPA that are served by neighboring designated FPA authorities. These sewer users are located in the 75th and Fairview area and the area along 67th west of Cass, shown on Exhibit 2, which are served by DuPage County Public Works (Marianbrook FPA).

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

MARCH 2021

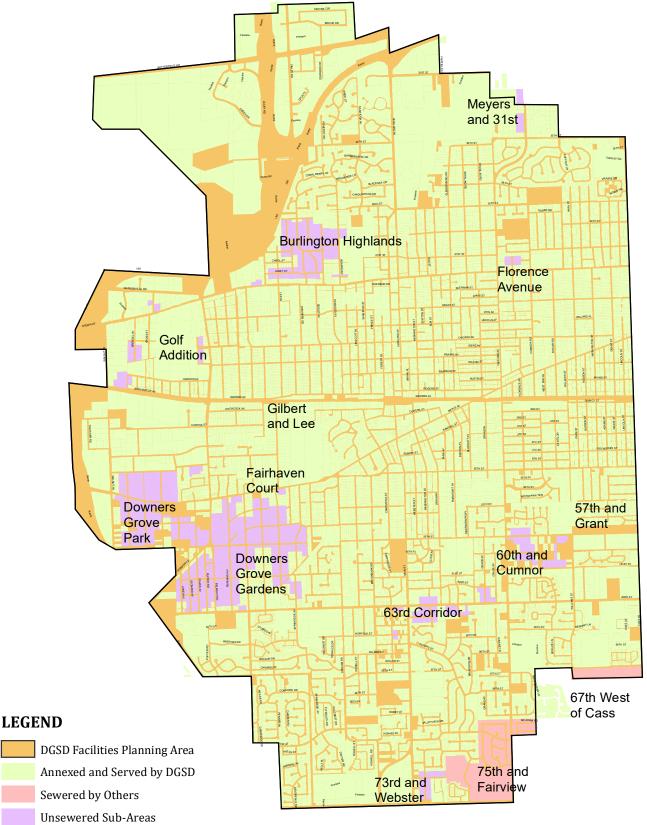


Facilities Planning Area Boundary Map Based on Chicago Metropolitan Agency for Planning FPA Boundary Map of December, 2005

Downers Grove Sanitary District

Unsewered Area Plan

MARCH 2021



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.
- 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.
- 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.

- 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

(Sanitary sewers are available as of March 2015.)

- 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.

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 2021.

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

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

4.1 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 75th Street at Webster Street, an existing manhole on the west side of Main Street at 73rd Street, an existing manhole located on Webster Street just south of Old Orchard Avenue, and/or an existing sewer at Baybury Road and 73rd.

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 73rd are best served from the manhole to the north, to avoid a crossing at Main Street. The manhole at Baybury and 73rd 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 \$917,600, including contingency, engineering, easements, and legal/administrative costs. Some easement acquisition is required along 73rd street to avoid the nearby water main.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.1

73rd AND WEBSTER POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND

PROPOSED MANHOLES

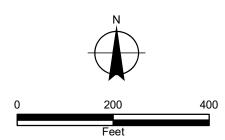
PROPOSED SEWERS

EXISTING MANHOLES

EXISTING SEWERS

PARCEL BOUNDARIES

73RD AND WEBSTER





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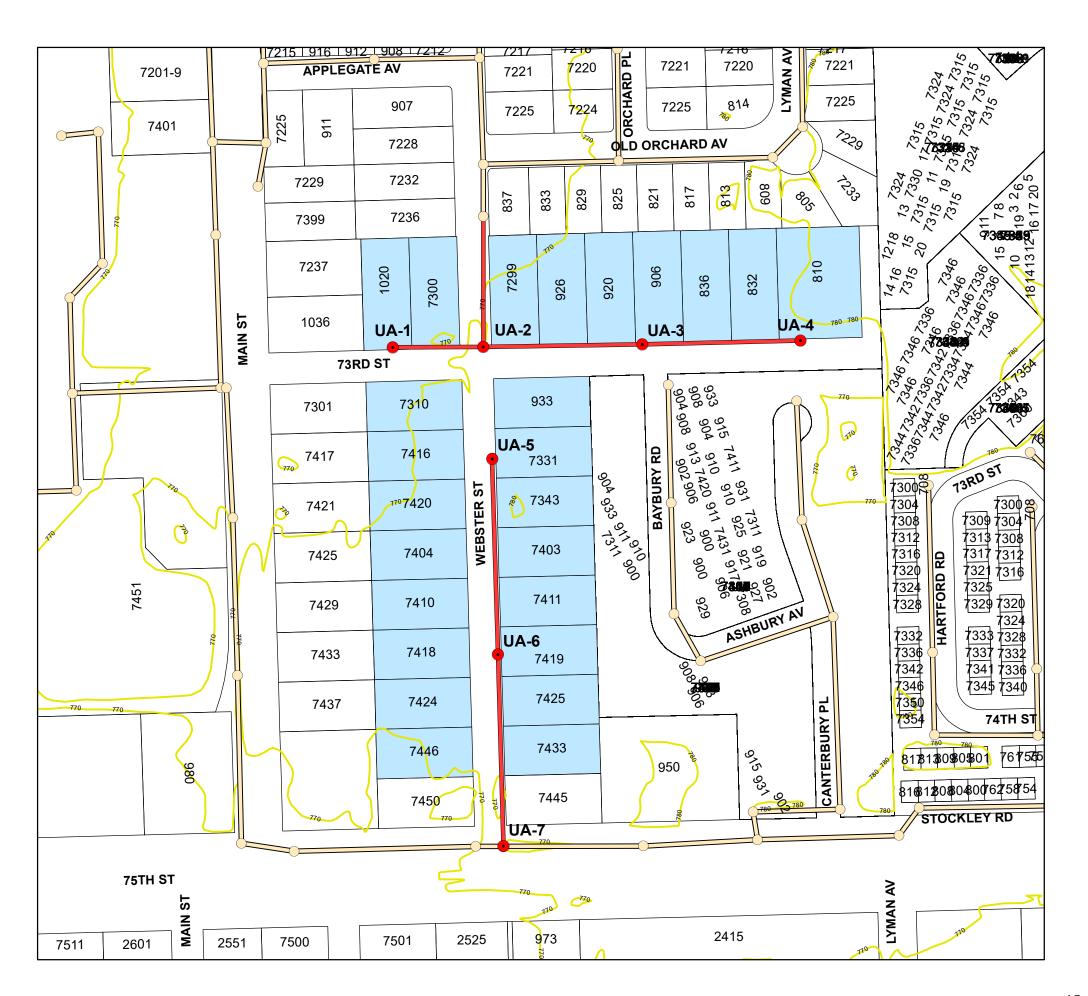


Table 4.1-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
73rd and Webster

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
73rd Stree	<u>et</u>					
	H-7-9-42 (existing)	765.3	755.09			10.2
	UA-2	771.8	759.74	310	1.50%	12.1
	UA-3	775.5	764.99	350	1.50%	10.5
				340	0.40%	
	UA-4	777.5	766.35	200	0.40%	11.2
	UA-1	768.5	760.54			8.0
Webster S	<u>Street</u>					
	UA-7	770.7	760.77	400	0.000/	9.9
	UA-6	774.3	763.97	400	0.80%	10.3
	UA-5	776.0	767.17	400	0.80%	8.8

Table 4.1-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
73rd and Webster

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approxir Quant			Unit Price		Amount
MAII	NLINE SEWER							
1	SANITARY SEWER (OPEN 8-inch	N CUT) 8-12 feet deep	2,000	lin. ft.	\$	87.00	\$	\$174,000
2	SANITARY MANHOLES 48-inch	8-12 feet deep	7	each	\$	6,400.00	\$	\$44,800
3	CONNECTION TO EXISTII 8-inch	NG MANHOLE	1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL 8-inch	8-12 feet deep	1,097	lin. ft.	\$	113.00	\$	\$123,961
6	SEWER TELEVISING FOR	R FINAL INSPECTION	ON 2,000	lin. ft.	\$	3.00	\$	\$6,000
7	SEWER TESTING FOR FI	NAL INSPECTION	2,000	lin. ft.	\$	3.00	\$	\$6,000
8	CULVERT REMOVAL AND 12-inch	REPLACEMENT	108	lin. ft.	\$	81.00	\$	\$8,748
9	RESTORATION OF LAWN AND PARKWAYS: Topsoil and sod	S	2,160	sq.yd.	\$	14.00	\$	\$30,240
10	RESTORATION OF STREI		630	sq.yd.	\$	64.00	\$	\$40,320
11	REMOVE AND REPLACE Bituminous Concrete	DRIVEWAYS	58 43	sq.yd. sq.yd.	<u>\$</u>	48.00 81.00	<u>\$</u> \$	\$2,784 \$3,483
12	REMOVE AND REPLACE 5-foot PCC	SIDEWALK	50	sq.ft.	\$	13.00	\$	\$650
13	TREE REMOVAL AND TR	IMMING:			Lur	np Sum	\$	\$665
14	EROSION CONTROL				Lur	np Sum	\$	\$998

Table 4.1-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
73rd and Webster

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxir Quant			Unit Price	Amount	
15	TRAFFIC CONTROL			Lum	np Sum	\$	\$3,325
	SUBTOTAL					\$	\$457,624
SER	VICE LATERALS						
1	BUILDING SERVICE LINES Near Side Far Side	396 1,233	lin. ft. lin. ft.	<u>\$</u> \$	50.00 50.00	<u>\$</u> \$	\$19,800 \$61,650
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far Side	16 9	each each	\$ \$	554.00 682.00	\$	\$8,864 \$6,138
3	BUILDING SERVICE PLUGS:	25	each	\$	208.00	\$	\$5,200
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	260	sq.yd.	\$	12.00	\$	\$3,120
5	RESTORATION OF STREETS: Bit. Concrete Street	172	sq.yd.	\$	63.00	\$	\$10,836
6	TRENCH BACKFILL 0-8 feet deep	295	lin. ft.	\$	62.00	\$	\$18,290
	SUBTOTAL					\$	\$133,898
	TOTAL ESTIMATE OF C	ONSTRUCTION COST				\$	\$591,500
		Contingencies Engineering Legal / Admin Easement Acquisition	(20%) (20%) (6%)				\$118,300 \$118,300 \$49,700 \$39,800
	TOTAL OPINION OF PRO	OBABLE COST				\$	\$917,600
				С	ost per lot		\$36,700

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 (Nor	rth) 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 \$868,500, including contingency, engineering, easements, and legal/administrative costs.

The Inverness-Lomond-Elinor-Maple (North) sub-basin sewer plan also follows existing topography from the intersection of Lomond Avenue and Maple Avenue northeast to an existing manhole at Janes Avenue and Inverness Avenue. This sub-basin will include all unsewered properties fronting the south side of Maple Avenue. Two road crossings of Maple are identified to provide flexibility, but only one crossing at Elinor could be utilized if construction phasing allows. The opinion of project cost is \$2,760,200, 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 \$180,500, 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 \$599,000, 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 \$901,500, 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 \$381,900, 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 \$406,500, 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 \$651,700, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

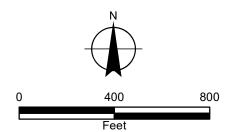
EXHIBIT 4.2

DOWNERS GROVE PARK POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND







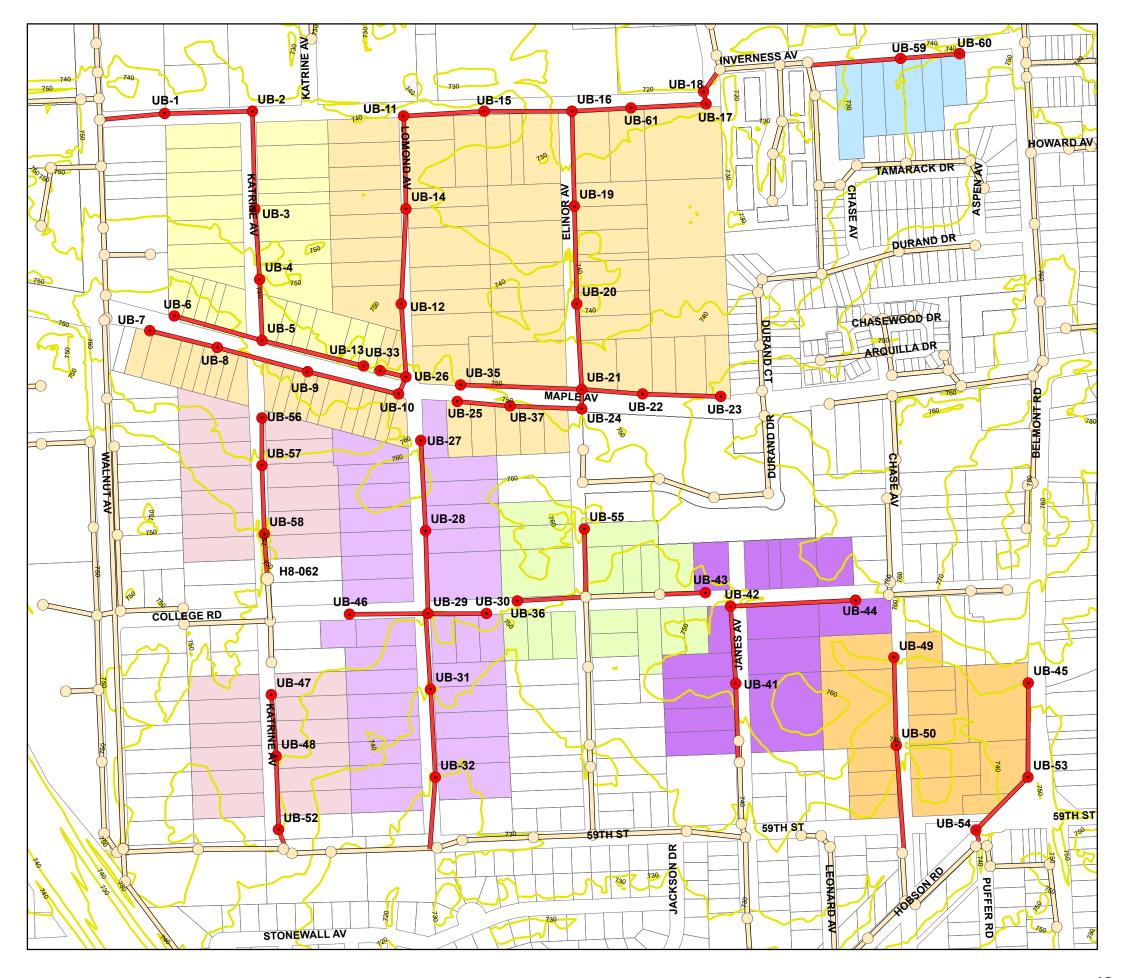


Table 4.2-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Katrine-Maple (North)

Preliminary Design

					Manhole
Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	<u>Depth</u>
Katrine Avenue					
3-A-23 (existing)	748.1	732.36			15.7
			255	1.00%	
UB-1	741.0	734.91			6.1
			346	0.40%	
UB-2	742.0	736.29			5.7
LID 0	740.0	707.00	400	0.40%	0.4
UB-3	746.3	737.89	200	0.400/	8.4
UB-4	749.5	739.09	300	0.40%	10.4
OD-4	749.5	739.09	275	0.40%	10.4
UB-5	757.3	740.19	210	0.4070	17.1
Maple Avenue					
			420	0.40%	
UB-13	749.0	741.87			7.1
			380	2.00%	
UB-6	756.0	747.79			8.2

Table 4.2-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Katrine-Maple (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approximat Quantity	e		Unit Price		Amount
	NE SEWER							
		MED (ODEN CLIT)						
ı	8-inch	WER (OPEN CUT) 0-8 feet deep	270	lin. ft.	¢	75.00	¢	20,250
	0-111011	8-12 feet deep	996	lin. ft.	\$	87.00	\$	86,652
		12-16 feet deep	705	lin. ft.	\$	106.00	\$	74,730
		16-20 feet deep	150	lin. ft.	\$ \$	127.00	\$ \$ \$	19,050
2	SANITARY SEV	VER (DIRECTIONAL [ORILLED)					
_	8-inch	VER (BIRLESTION)	255	lin. ft.	\$	275.00	\$	70,125
3	SANITARY MA	NHOLES						
	48-inch	0-8 feet deep	3	each	\$	4,800.00	\$	14,400
	10 111011	8-12 feet deep	3		\$	6,400.00	\$	19,200
		16-20 feet deep	1	each	\$	10,300.00	\$ \$	10,300
4	CONNECTION	TO EXISTING MANH	IOI E					
7	8-inch	TO EXISTING WANT	1	each	\$	6,200.00	\$	6,200
5	TRENCH BAC	KFILL						
	8-inch	0-8 feet deep	35	lin. ft.	\$	93.00	\$	3,255
		8-12 feet deep	95	lin. ft.	\$	113.00	\$	10,735
		12-16 feet deep	70	lin. ft.		137.00	\$	9,590
		16-20 feet deep	25	lin. ft.	\$ \$	180.00	\$	4,500
6	TREE TUNNEL	_ING	250	lin. ft.	\$	192.00	\$	48,000
7	' SEWER TELEV	VISING FOR FINAL IN	ISPECTION					
,	OLWEN TEEL	VIOLIVOTORTINALIIV	2,376	lin. ft.	\$	3.00	\$	7,128
8	SEWER TEST	ING FOR FINAL INSP	ECTION					
			2,376	lin. ft.	\$	3.00	\$	7,128
9	CULVERT REM	MOVAL AND REPLAC	EMENT					
	12-inch		85	lin. ft.	\$	81.00	\$	6,885
10	RESTORATIO	N OF LAWNS						
	AND PARKWA							
	Topsoil and	d Seed	708	sq.yd.	\$	14.00	\$ \$	9,912
	Topsoil and	d Sod	2,880	sq.yd.	\$	14.00	\$	40,320
11	RESTORATION	N OF STREETS						
	Bituminous	5	33	sq.yd.	\$	64.00	\$	2,112

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)	Unit Price		Amount
12	REMOVE AND REPLACE DRIV					
12	Bituminous		sq.yd.	\$ 48.00	\$	5,760
	PCC Driveway		sq.yd.	\$ 81.00	\$	3,645
	Gravel Driveway		sq.yd.	\$ 20.00	\$	1,000
13	TREE REMOVAL & TRIMMING			Lump Sum	\$	2,660
14	TRAFFIC CONTROL			Lump Sum	\$	9,975
	SUBTOTAL				\$	493,512
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES					
	Near side	210	lin. ft.	\$ 50.00	<u>\$</u> \$	10,500
	Far side	400	lin. ft.	\$ 50.00	\$	20,000
2	BUILDING SERVICE BRANCH FITTINGS					
	Near Side	17	each	\$ 554.00	\$	9,418
	Far side	8	each	\$ 682.00	\$	5,456
3	BUILDING SERVICE PLUG	25	each	\$ 208.00	\$	5,200
4	RESTORATION OF LAWNS AN	D PARKWAYS:				
•	Sod		sq.yd.	\$ 14.00	\$	4,760
5	RESTORATION OF STREETS:					
	Bit. Concrete Street	60	sq.yd.	\$ 63.00	\$	3,780
6	TRENCH BACKFILL					
	0-8 feet deep	152	lin. ft.	\$ 62.00	\$	9,424
	SUBTOTAL				\$	68,538
	TOTAL ESTIMATE OF CON	ISTRUCTION COST			\$	562,100
		Contingencies	(20%)			112,400
		_	(20%)			112,400
		Legal / Admin	(6%)			47,200
		Easement Acquisit				34,400
	TOTAL OPINION OF PROB	ABLE COST			\$	868,500
				Cost per lot		34,740
				Cost per lot		34,740

Table 4.2-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Lomond-Elinor-Maple (North)

Preliminary Design

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

Table 4.2-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Lomond-Elinor-Maple (North)

Preliminary Design

Manhole Numbe	r <u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>			
Elinor Avenue (Invernes	ss to Maple)							
			400	2.00%	40.0			
UB-19	735.5	724.56	400	1.50%	10.9			
UB-20	738.8	730.56	375	1.50%	8.2			
UB-21	747.0	736.19			10.8			
Maple Avenue (east and west of Elinor)								
			350	0.80%				
UB-22	747.0	738.99	250	0.80%	8.0			
UB-23	750.0	740.99	450	0.80%	9.0			
UB-35	750.5	739.79			10.7			
UB-24	748.0	736.99	80	1.00%	11.0			
UB-37	750.0	739.99	300	1.00%	10.0			
	752.0		300	1.00%	9.0			
UB-25	732.0	742.99			9.0			

Table 4.2-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Lomond-Elinor-Maple (North)

Engineer's Opinion of Probable Construction Cost

-			Approximat	е		Unit		
No.	Pay Item		Quantity			Price		Amount
MAINILI	NE SEWER							
IVIAIINLI	INL SEVVEIX							
1	SANITARY SEV	WER (OPEN CUT)						
	8-inch	8-12 feet deep	5,193	lin. ft.	\$	87.00	\$	\$451,791
		12-16 feet deep	920	lin. ft.	\$	106.00	\$	\$97,520
		16-20 feet deep	691	lin. ft.	\$	127.00	\$	\$87,757
2	SANITARY MAI	NHOLES						
_	48-inch	8-12 feet deep	19	each	\$	6,400.00	\$	\$121,600
	-	12-16 feet deep	3	each	\$	7,700.00	\$	\$23,100
		16-20 feet deep	1	each	\$ \$	10,300.00	\$ \$ \$	\$10,300
3	CONNECTION	TO EXISTING MANI	401 E					
3	8-inch	TO EXISTING MAIN	1	each	\$	6,200.00	\$	\$6,200
	0 111011		·	odon	Ψ	0,200.00	Ψ	Ψ0,200
4	TRENCH BACK	KFILL						
	8-inch	8-12 feet deep	3,050	lin. ft.	\$	113.00	\$	\$344,650
		12-16 feet deep	502	lin. ft.	\$	137.00	\$ \$	\$68,774
		16-20 feet deep	184	lin. ft.	\$	180.00	\$	\$33,120
5	TREE TUNNEL	ING	350	lin. ft.	\$	192.00	\$	\$67,200
6	SEWER TELEV	/ISING FOR FINAL II	NSPECTION					
O	OLVVLIX ILLEV	NOING FORT INAL II	6,804	lin. ft.	\$	3.00	\$	\$20,412
_								· · · · · ·
7	SEWER TESTII	NG FOR FINAL INSF		l: 6	•	0.00	•	000 440
			6,804	lin. ft.	\$	3.00	\$	\$20,412
8	CULVERT REM	OVAL AND REPLAC	CEMENT					
	12-inch		515	lin. ft.	\$	81.00	\$	\$41,715
0	RESTORATION	LOFLAWNS						
9	AND PARKWA							
	Topsoil and		308	sq.yd.	\$	14.00	\$	\$4,312
	Sod	1 000d		sq.yd.	\$	14.00	\$	\$47,292
40	DESTORATION	LOE STREETS						
10	RESTORATION Bituminous		2 000	sq.yd.	Ф	64.00	¢	\$128,000
	PCC Curb 8		60	sq.yu. lin. ft.	<u>\$</u> \$	41.00	<u>\$</u> \$	\$2,460
	PCC Sidew		650	sq. ft.	\$	13.00	\$	\$8,450
	i oo didew	MIN	030	oq. 11.	Ψ	10.00	Ψ	ΨΟ, -30

Table 4.2-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Lomond-Elinor-Maple (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity		Unit Price		Amount	
11	REMOVE AND REPLACE DRIVE	EWAYS					
	Bituminous		sq.yd.	\$ 48.00	\$	\$13,920	
	PCC Driveway Gravel Driveway		sq.yd. sq.yd.	\$ 48.00 \$ 81.00 \$ 20.00	\$ \$	\$6,075 \$500	
	Glavel Driveway	25	sq.yu.	φ 20.00	Ψ	ψ300	
12	TREE REMOVAL & TRIMMING			Lump Sum	\$	\$4,655	
13	TRAFFIC CONTROL			Lump Sum	\$	\$19,950	
	SUBTOTAL				\$	\$1,630,165	
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	763	lin. ft.	\$ 50.00 \$ 50.00	<u>\$</u> \$	\$38,150	
	Far side	400	lin. ft.	\$ 50.00	\$	\$20,000	
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	59	each	\$ 554.00	\$	\$32,686	
	Far side	13	each	\$ 682.00	\$	\$8,866	
3	BUILDING SERVICE PLUG	72	each	\$ 208.00	\$	\$14,976	
4	RESTORATION OF LAWNS ANI	D PARKWAYS:					
·	Sod	1,004	sq.yd.	\$ 14.00	\$	\$14,056	
_							
5	RESTORATION OF STREETS: Bit. Concrete Street	140	مميط	ф 62.00	φ	¢ 0.207	
	Bit. Concrete Street	149	sq.yd.	\$ 63.00	\$	\$9,387	
6	TRENCH BACKFILL						
	0-8 feet deep	260	lin. ft.	\$ 62.00	\$	\$16,120	
	SUBTOTAL				\$	\$154,241	
	TOTAL ESTIMATE OF CONSTRUCTION COST					\$1,784,400	
		Contingencies	(20%)			\$356,900	
		Engineering	(20%)			\$356,900	
		Legal / Admin	(6%)			\$149,900	
		Easement Acquisi	ition			\$112,100	
	TOTAL OPINION OF PROBA	ABLE COST			\$	\$2,760,200	
				Cost pe	r lot	\$38,340	

Table 4.2-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Belmont (North)

Preliminary Design Layout

Manhole Number	Rim	<u>Invert</u>	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	250	2.20%	9.6
UB-60	738.0	729.89	200	2.20%	8.1

Table 4.2-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Belmont (North)

Engineer's Opinion of Probable Construction Cost

No.	Dov Itom	• •		Unit Price		Amount		
NO.	Pay Item	Qu	arilly			FIICE		AIIIOUIII
MAINLIN	E SEWER							
1	SANITARY SEW 8-inch	/ER (OPEN CUT) 0-8 feet deep 8-12 feet deep	200 450	lin. ft. lin. ft.	<u>\$</u>	75.00 87.00	\$ \$	\$15,000 \$39,150
2	SANITARY MAN 48-inch	IHOLES 0-8 feet deep 8-12 feet deep	1 1	each each	\$ \$	4,800.00 6,400.00	<u>\$</u>	\$4,800 \$6,400
3	CONNECTION 7 8-inch	TO EXISTING MANHOLE	1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKI 8-inch	FILL 0-8 feet deep 8-12 feet deep	48 96	lin. ft. lin. ft.	\$ \$	93.00 113.00	\$	\$4,464 \$10,848
5	TREE TUNNELI	NG	0	lin. ft.	\$	192.00	\$	\$0
6	SEWER TELEVI	SING FOR FINAL INSPECTION	ON 650	lin. ft.	\$	3.00	\$	\$1,950
7	SEWER TESTIN	IG FOR FINAL INSPECTION	650	lin. ft.	\$	3.00	\$	\$1,950
8	CULVERT REMO	OVAL AND REPLACEMENT	40	lin. ft.	\$	81.00	\$	\$3,240
9	RESTORATION AND PARKWAY Topsoil and	S:	900	sq.yd.	\$	14.00	\$	\$12,600
10	RESTORATION Bit. Concrete		0	sq.yd.	\$	64.00	\$	\$0
11	REMOVE AND F Bituminous Concrete	REPLACE DRIVEWAYS		sq.yd. sq.yd.	\$ \$	48.00 81.00	\$ \$	\$3,264 \$972
12	TREE REMOVA	L AND TRIMMING:			Lum	ıp Sum	\$	\$0

Table 4.2-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Inverness-Belmont (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price	Amount
	EROSION CONTROL		Lump Sum	\$ \$998
14	TRAFFIC CONTROL		Lump Sum	\$ \$998
	SUBTOTAL			\$ \$112,833
SERVICE	LATERALS			
1	BUILDING SERVICE LINES Near side Far side	72 lin. 0 lin.	<u> </u>	\$ \$3,600 \$ \$0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	6 ea 0 ea		\$ \$3,324 \$ \$0
3	BUILDING SERVICE PLUG	6 ea	sch <u>\$ 208.00</u>	\$ \$1,248
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	50 sq. ₎	yd. \$ 14.00	\$ \$700
5	RESTORATION OF STREETS: Bit. Concrete Street	0 sq.y	yd. \$ 63.00	\$ \$0
6	TRENCH BACKFILL 0-8 feet deep	0 lin.	ft. \$ 62.00	\$ \$0
	SUBTOTAL			\$ \$8,872
	TOTAL ESTIMATE OF CON	STRUCTION COST		\$ \$121,700
		Contingencies (20° Engineering (20° Legal / Admin (6°		\$24,300 \$24,300 \$10,200
TOTAL OPINION OF PROBABLE COST				<u>\$\$\$180,500</u>
			Cost per lot	\$30,080

Table 4.2-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Katrine-College (South)

Preliminary Design

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Katrine Avenue (south of College)				
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 College)	1				
H8-062 (ex.)	750.0	741.40	400	4.000/	
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

Table 4.2-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Katrine-College (South)

Engineer's Opinion of Probable Construction Cost

No. Pay Item Quantity Price Amount			Approximate Unit						
1 SANITARY SEWER (OPEN CUT) 8-inch	No.	Pay Item		Quantity			Price		Amount
1 SANITARY SEWER (OPEN CUT) 8-inch	MAINLINE SEWED								
8-inch	WAINLINE SEVVEIX								
8-12 feet deep	1	SANITARY SEV	WER (OPEN CUT)						
12-16 feet deep		8-inch	0-8 feet deep	580	lin. ft.		75.00	\$	\$43,500
2 SANITARY MANHOLES 48-inch								\$	
48-inch			12-16 feet deep	290	lin. ft.	\$	106.00	\$	\$30,740
8-12 feet deep 2 each \$ 6,400.00 \$ \$12,800 \$ 12-16 feet deep 2 each \$ 7,700.00 \$ \$15,400 \$ \$ \$15,400 \$ \$ \$ \$ \$ \$ \$ \$ \$	2	SANITARY MAI	NHOLES						
8-12 feet deep 2 each \$ 6,400.00 \$ \$12,800 \$ 12-16 feet deep 2 each \$ 7,700.00 \$ \$15,400 \$ \$ \$15,400 \$ \$ \$ \$ \$ \$ \$ \$ \$			-	2	each	\$	4,800.00	\$	\$9,600
12-16 feet deep 2 each 7,700.00 \$\$15,400 3 DROP CONNECTION 8-inch 8 lin. ft. \$332.00 \$\$2,656 4 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$6,200.00 \$\$6,200 5 TRENCH BACKFILL 8-inch 0-8 feet deep 156 lin. ft. \$93.00 \$\$14,508 \$\$7,345 \$\$12-16 feet deep 104 lin. ft. \$137.00 \$\$14,248 6 TREE TUNNELING 80 lin. ft. \$192.00 \$\$15,360 7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$3.00 \$\$44,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$3.00 \$\$44,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$81.00 \$\$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$14.00 \$\$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$64.00 \$\$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$48.00 \$\$77,200			8-12 feet deep	2	each			\$	
8-inch 8 lin. ft. \$ 332.00 \$ \$2,656			12-16 feet deep	2	each	\$	7,700.00	\$	\$15,400
8-inch 8 lin. ft. \$ 332.00 \$ \$2,656	2		CTION						
4 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$ 6,200.00 \$ \$6,200 5 TRENCH BACKFILL 8-inch 0-8 feet deep 156 lin. ft. \$ 93.00 \$ \$14,508 8-12 feet deep 65 lin. ft. \$ 113.00 \$ \$7,345 12-16 feet deep 104 lin. ft. \$ 137.00 \$ \$14,248 6 TREE TUNNELING 80 lin. ft. \$ 192.00 \$ \$15,360 7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$77,200	3		CTION	8	lin ft	\$	332 00	\$	\$2 656
8-inch 1 each \$ 6,200.00 \$ \$6,200 5 TRENCH BACKFILL 8-inch 0-8 feet deep 156 lin. ft. \$ 93.00 \$ \$14,508 8-12 feet deep 65 lin. ft. \$ 113.00 \$ \$77,345 12-16 feet deep 104 lin. ft. \$ 137.00 \$ \$14,248 6 TREE TUNNELING 80 lin. ft. \$ 192.00 \$ \$15,360 7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$44,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$44,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 \$q.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 \$q.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 \$q.yd. \$ 48.00 \$ \$77,200 15 TRENCH STREETS 150 \$q.yd. \$ 48.00 \$ \$77,200 16 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 \$q.yd. \$ 48.00 \$ \$77,200 17 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 \$q.yd. \$ 48.00 \$ \$77,200 18 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 \$q.yd. \$ 48.00 \$ \$77,200 19 TRENCH STREETS 150 \$q.yd. \$ 48.00 \$ \$77,200 10 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 \$q.yd. \$ 48.00 \$ \$77,200 10 REMOVE AND REPLACE DRIVEWAYS 150 \$q.yd. \$ 48.00 \$ \$77,200		0 111011		J		Ψ	002.00	Ψ	Ψ2,000
5 TRENCH BACKFILL 8-inch	4	CONNECTION	TO EXISTING MANH	HOLE					
8-inch		8-inch		1	each	\$	6,200.00	\$	\$6,200
8-inch	5	TRENCH BACK	(FII I						
8-12 feet deep 104 lin. ft. \$ 113.00 \$ \$7,345 \$ 12-16 feet deep 104 lin. ft. \$ 137.00 \$ \$14,248 \$ 6 TREE TUNNELING 80 lin. ft. \$ 192.00 \$ \$15,360 \$ 7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 \$ 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 \$ 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 \$ 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 \$ 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 \$ 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	Ū			156	lin. ft.	\$	93.00	\$	\$14.508
12-16 feet deep 104 lin. ft. \$ 137.00 \$ \$14,248 6 TREE TUNNELING 80 lin. ft. \$ 192.00 \$ \$15,360 7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200		-			lin. ft.	\$		\$	
7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200			12-16 feet deep	104	lin. ft.	\$	137.00	\$	\$14,248
7 SEWER TELEVISING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	6	TDEE TUNNEL	INC	90	lin ff	ф	102.00	φ	¢1E 260
1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	О	TREE TUNNEL	ING	80	III. IL.	<u> </u>	192.00	Ф	\$15,300
1,369 lin. ft. \$ 3.00 \$ \$4,107 8 SEWER TESTING FOR FINAL INSPECTION 1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	7	SEWER TELEV	ISING FOR FINAL IN	NSPECTION					
1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200					lin. ft.	\$	3.00	\$	\$4,107
1,369 lin. ft. \$ 3.00 \$ \$4,107 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	Q	SEWED TESTII	NG EOD EINAL INSE	DECTION					
9 CULVERT REMOVAL AND REPLACEMENT 12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	0	SEWER IESIII	NG FOR FINAL INSP		lin ft	\$	3.00	\$	\$4 107
12-inch 220 lin. ft. \$ 81.00 \$ \$17,820 10 RESTORATION OF LAWNS AND PARKWAYS:				1,000		Ψ	0.00	<u> </u>	Ψ1,101
10 RESTORATION OF LAWNS AND PARKWAYS:	9	CULVERT REM	OVAL AND REPLAC	EMENT					
AND PARKWAYS:		12-inch		220	lin. ft.	\$	81.00	\$	\$17,820
AND PARKWAYS:	10	DESTODATION	I OE I AWNS						
Topsoil and sod 2,130 sq.yd. \$ 14.00 \$ \$29,820 11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	10		-						
11 RESTORATION OF STREETS: Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200				2.130	sa.vd.	\$	14.00	\$	\$29.820
Bit. Concrete Street 12 sq.yd. \$ 64.00 \$ \$768 12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200				_,	- 4-7	<u>-</u>		<u> </u>	+,
12 REMOVE AND REPLACE DRIVEWAYS Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	11								
Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200		Bit. Concre	te Street	12	sq.yd.	\$	64.00	\$	\$768
Bituminous 150 sq.yd. \$ 48.00 \$ \$7,200	12	REMOVE AND	REPLACE DRIVEWA	AYS					
					sq.vd.	\$	48.00	\$	\$7,200
								\$	

Table 4.2-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Katrine-College (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximat Quantity	е	Unit Price		Amount
13	TREE REMOVAL AND TRIMMIN	G:		Lump Sum	\$	\$8,645
14	EROSION CONTROL			Lump Sum	\$	\$998
15	TRAFFIC CONTROL			Lump Sum	\$	\$3,325
	SUBTOTAL				\$	\$294,585
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	205 715	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$	\$10,250 \$35,750
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	13 14	each each	\$ 554.00 \$ 682.00	\$	\$7,202 \$9,548
3	BUILDING SERVICE PLUG	27	each	\$ 208.00	\$	\$5,616
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	685	sq.yd.	\$ 14.00	\$	\$9,590
5	RESTORATION OF STREETS: Bit. Concrete Street	195	sq.yd.	\$ 63.00	\$	\$12,285
6	TRENCH BACKFILL 0-8 feet deep	305	lin. ft.	\$ 62.00	\$	\$18,910
	SUBTOTAL				\$	\$109,151
	TOTAL ESTIMATE OF CON	STRUCTION COST	Γ		\$	\$403,700
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$80,700 \$80,700 \$33,900
	TOTAL OPINION OF PROBA	ABLE COST			\$	\$599,000
				Cost pe	r lot	\$22,190

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)	Slope	Manhole <u>Depth</u>
Lomond Avenue					
H-8-19 existing	725.0	720.00		4.0004	5.0
UB-32	732.0	723.97	305	1.30%	8.0
UB-31	738.0	730.57	300	2.20%	7.4
			400	3.40%	
UB-29	752.0	744.17	370	1.10%	7.8
UB-28	756.0	748.24	375	0.50%	7.8
UB-27	758.0	750.11			7.9
College Road			0.45	0.500/	
UB-30	753.0	745.39	245	0.50%	7.6
UB-46	755.0	747.17	300	1.00%	7.8

Table 4.2-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lomond-College (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit No. Pay Item Quantity Price **Amount** MAINLINE SEWER SANITARY SEWER (OPEN CUT) 0-8 feet deep 2,295 8-inch lin. ft. \$ 75.00 \$ 172,125 2 SANITARY MANHOLES 48-inch 0-8 feet deep 7 4,800.00 \$ 33,600 each CONNECTION TO EXISTING MANHOLE 3 8-inch 1 each 6,200.00 \$ 6,200 TRENCH BACKFILL 4 8-inch 0-8 feet deep 1,599 \$ 93.00 \$ 148,707 lin. ft. TREE TUNNELLING 40 lin. ft. \$ 192.00 \$ 7,680 6 WATER MAIN RELOCATION: \$ each \$ 7,100.00 7,100 SEWER TELEVISING FOR FINAL INSPECTION \$ 2,295 lin. ft. \$ 3.00 6,885 SEWER TESTING FOR FINAL INSPECTION 2,295 lin. ft. \$ 3.00 \$ 6,885 9 **CULVERT REMOVAL AND REPLACEMENT:** 12-inch lin. ft. \$ \$ 76 81.00 6,156 10 **RESTORATION OF LAWNS** AND PARKWAYS: 1,548 sq.yd. 21,672 Topsoil and sod 14.00 \$ \$ **RESTORATION OF STREETS:** 11 Bituminous Concrete Street 1,069 sq.yd. \$ 64.00 \$ 68,416 REMOVE AND REPLACE DRIVEWAYS: 12 Bituminous Driveway 39 sq.yd. 48.00 1,872 **PCC** Driveway 10 sq.yd. \$ 81.00 \$ 810 TREE REMOVAL AND TRIMMING: \$ 13 Lump Sum 2,660 14 **EROSION CONTROL:** Lump Sum \$ 998

Table 4.2-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lomond-College (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Pay Item Quantity			Unit Price		Amount
15	TRAFFIC CONTROL:			Lum	p Sum	\$	6,650
	SUBTOTAL					\$	498,416
SERVI	CE LATERALS						
1	BUILDING SERVICE LINES Near side Far side	360 630	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$	18,000 31,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	14 15	each each	\$ \$	554.00 682.00	\$ \$	7,756 10,230
3	BUILDING SERVICE PLUG	29	each	\$	208.00	\$	6,032
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	783	sq.yd.	\$	14.00	\$	10,962
5	RESTORATION OF STREETS: Bituminous Concrete Street	140	sq.yd.	\$	63.00	\$	8,820
6	TRENCH BACKFILL 0-8 feet deep	255	lin. ft.	\$	62.00	\$	15,810
	SUBTOTAL					\$	109,110
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST				\$	607,500
		Conting Engir Legal /	neering		(20%) (20%) (6%)		121,500 121,500 51,000
	TOTAL OPINION OF PROBABLE COS	ST				\$	901,500
					Cost per lo	ot	31,090

Table 4.2-11

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Elinor-College (South)

Preliminary Design Layout

<u>Manhole</u>	Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Elinor Avenue						
H-8-54 (existing)	747.9	737.90	205	2.000/	10.0
UB-	-55	760.0	749.75	395	3.00%	10.3
College Road						
H-8-55 (existing)	745.4	738.99			
UB-	-43	748.5	740.79	225	0.80%	7.7
UB-	-36	749.5	739.58	420	0.40%	9.9

Table 4.2-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Elinor-College (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit No. Pay Item Quantity Price Amount MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep 1,040 90,480 lin. ft. \$ 87.00 \$ 2 SANITARY MANHOLES 48-inch 8-12 feet deep 3 6,400.00 \$ 19,200 each 3 CONNECTION TO EXISTING MANHOLE 8-inch 3 each 6,200.00 \$ 18,600 4 TRENCH BACKFILL 8-inch 8-12 feet deep 140 lin. ft. 113.00 \$ 15,820 5 TREE TUNNELING 150 lin. ft. \$ 192.00 \$ 28,800 6 SEWER TELEVISING FOR FINAL INSPECTION 1,040 IIn. π. 3.00 3,120 7 SEWER TESTING FOR FINAL INSPECTION 1.040 \$ 3,120 lin. ft. \$ 3.00 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 40 lin. ft. 81.00 3,240 \$ \$ 24-inch 20 lin. ft. 167.00 3,340 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod 1,596 sq.yd. \$ 14.00 \$ 22,338 10 RESTORATION OF STREETS: Bit. Concrete Street 71 sq.yd. 64.00 \$ 4,551 11 REMOVE AND REPLACE DRIVEWAYS \$ **Bituminous** 33 sq.yd. 48.00 1,600 \$ \$ 81.00 2,700 Concrete 33 sq.yd. 2,500 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ 13 EROSION CONTROL Lump Sum \$ 750 14 TRAFFIC CONTROL Lump Sum \$ 2,000 **SUBTOTAL** 222,159 \$

Table 4.2-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Elinor-College (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximat Quantity	е	Unit Price		Amount	
INO.	r ay item	Quantity		FIICE		Amount	
SERVICI	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	75	lin. ft.	\$ 50.00	\$	3,750	
	Far side	150	lin. ft.	\$ 50.00	\$	7,500	
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	5	each	\$ 554.00	\$	2,770	
	Far side	4	each	\$ 682.00	\$	2,728	
3	BUILDING SERVICE PLUG	9	each	\$ 208.00	\$	1,872	
4	RESTORATION OF LAWNS						
	AND PARKWAYS:						
	Topsoil and seed	325	sq.yd.	\$ 14.00	\$	4,550	
5	RESTORATION OF STREETS:						
	Bit. Concrete Street	64	sq.yd.	\$ 63.00	\$	4,032	
6	TRENCH BACKFILL						
	8-12 feet deep	96	lin. ft.	\$ 83.00	\$	7,968	
	SUBTOTAL				\$	35,170	
	TOTAL ESTIMATE OF CON	STRUCTION COST	Γ		\$	257,300	
		Contingencies	(20%)			51,500	
		Engineering	(20%)			51,500	
		Legal / Admin	(6%)			21,600	
	TOTAL OPINION OF PROB.	ABLE COST			\$	381,900	
				Cost per lo	ot	42,430	

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>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Janes A	<u>Avenue</u>					
	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		0,0	7.4
College	Road			440	1.25%	
	UB-44	756.0	748.05	770	1.20/0	7.9

Table 4.2-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-College (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit No. Pay Item Quantity Price Amount MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) lin. ft. 0-8 feet deep 300 22,500 8-inch 75.00 \$ \$ 8-12 feet deep 670 lin. ft. 87.00 58,290 2 SANITARY MANHOLES 0-8 feet deep 48-inch 1 each 4,800.00 4,800 \$ 2 \$ 6.400.00 12,800 8-12 feet deep each 3 CONNECTION TO EXISTING MANHOLE 8-inch 6,200.00 \$ 6,200 1 each 4 TRENCH BACKFILL 8-inch 0-8 feet deep 54 lin. ft. 93.00 5,022 \$ 8-12 feet deep 260 lin. ft. 113.00 29,380 5 TREE TUNNELING 110 lin. ft. \$ 192.00 \$ 21,120 6 SEWER TELEVISING FOR FINAL INSPECTION 970 lin. ft. 3.00 \$ 2,910 7 SEWER TESTING FOR FINAL INSPECTION lin. ft. 970 3.00 \$ 2,910 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 150 lin. ft. \$ 81.00 \$ 12,150 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 1,200 sq.yd. 14.00 \$ 16,800 10 RESTORATION OF STREETS: Bit. Concrete Street \$ 65 sq.yd. \$ 64.00 4,160 REMOVE AND REPLACE DRIVEWAYS **Bituminous** 140 sq.yd. 48.00 6,720 \$ \$ Concrete 24 sq.yd. 81.00 1,944 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ 8,645 13 EROSION CONTROL Lump Sum \$ 998

Table 4.2-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-College (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximat Quantity	e		Unit Price		Amount
14	TRAFFIC CONTROL			Lum	p Sum	\$	3,325
	SUBTOTAL					\$	220,674
SERVICE	LATERALS						
1	BUILDING SERVICE LINES Near side Far side	105 312		\$	50.00 50.00	\$	5,250 15,600
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	6 7	each each	\$	554.00 682.00	\$	3,324 4,774
3	BUILDING SERVICE PLUG	13	each	\$	208.00	\$	2,704
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and seed	370	sq.yd.	\$	14.00	\$	5,180
5	RESTORATION OF STREETS: Bit. Concrete Street	102	sq.yd.	\$	63.00	\$	6,426
6	TRENCH BACKFILL: 0-8 feet deep	160	lin. ft.	\$	62.00	\$	9,920
	SUBTOTAL					\$	53,178
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	Т			\$	273,900
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				54,800 54,800 23,000
	TOTAL OPINION OF PROB	ABLE COST				\$	406,500
					Cost per lo	ot	31,270

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>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>	
Chase A	<u>Avenue</u>						
	H-8-42 existing	734.6	726.10	400	4.050/		
	UB-50	740.0	731.35	420	1.25%	8.6	
	UB-49	752.0	739.35	400	2.00%	12.7	
Hobson	ı 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							
Bollifion		752.0	720.42	400	1.25%	10.0	
	UB-45	752.0	739.43			12.6	

Table 4.2-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Chase-Hobson-Belmont (South)

Engineer's Opinion of Probable Construction Cost

	Approximate Unit			Unit	_			
No.	Pay Item		Quantity			Price		Amount
MAINLIN	E SEWER							
1	SANITARY SEW	,	450	l: 6	•	75.00	•	00.750
	8-inch	0-8 feet deep 8-12 feet deep	450 1,200	lin. ft. lin. ft.	\$ \$	75.00 87.00	\$ \$	33,750 104,400
2	SANITARY MAN		4		•	4 000 00	•	4.000
	48-inch	0-8 feet deep 8-12 feet deep	1 4	each each	\$ \$	4,800.00 6,400.00	\$ \$	4,800 25,600
3		O EXISTING MANH			Φ.	0.000.00	Φ.	0.000
	8-inch		1	each	\$	6,200.00	\$	6,200
4			450		•		•	44.050
	8-inch	0-8 feet deep 8-12 feet deep	450 602	lin. ft. lin. ft.	<u>\$</u> \$	93.00	<u>\$</u>	41,850 68,026
		0 12 100t dcop	002		Ψ	110.00	Ψ	00,020
5	TREE TUNNELIN	NG	0	lin. ft.	\$	192.00	\$	0
6	SEWER TELEVI	SING FOR FINAL IN	SPECTION					
			1,650	lin. ft.	\$	3.00	\$	4,950
7	SEWER TESTIN	G FOR FINAL INSPE		u. e	•	0.00	•	4.050
			1,650	lin. ft.	\$	3.00	\$	4,950
8		OVAL AND REPLAC		lin ff	ф	94.00	c	4 960
	12-inch		60	lin. ft.	\$	81.00	\$	4,860
9	RESTORATION AND PARKWAY							
	Topsoil and	l seed	780	sq.yd.	\$	14.00	\$	10,920
10								
	Bit. Concrete	e Street	711	sq.yd.	\$	64.00	\$	45,504
11	REMOVE AND F	REPLACE DRIVEWA	YS					
	Bituminous			sq.yd.	\$	48.00	\$	2,400
	Concrete		0	sq.yd.	\$	81.00	\$	0
12	TREE REMOVAL	L AND TRIMMING:			Lum	p Sum	\$	665
13	EROSION CONT	TROL			Lum	p Sum	\$	998

Table 4.2-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Chase-Hobson-Belmont (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximat Quantity	е	Unit Price			Amount
14	TRAFFIC CONTROL			Lum	p Sum	\$	19,950
	SUBTOTAL					\$	379,823
SERVICE	LATERALS						
1	BUILDING SERVICE LINES	400		•	50.00		
	Near side Far side	198 312	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	9,900 15,600
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	9	each	\$	554.00	\$	4,986
	Far side	6	each	\$	682.00	\$	4,092
3	BUILDING SERVICE PLUG	15	each	\$	208.00	\$	3,120
4	RESTORATION OF LAWNS AND PARKWAYS:						
	Topsoil and seed	122	sq.yd.	\$	14.00	\$	1,708
5	RESTORATION OF STREETS: Bit. Concrete Street	140	sq.yd.	\$	63.00	\$	8,820
6	TRENCH BACKFILL						
	0-8 feet deep	180	lin. ft.	\$	62.00	\$	11,160
	SUBTOTAL					\$	59,386
	TOTAL ESTIMATE OF CON	STRUCTION COST	Г			\$	439,200
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				87,800 87,800 36,900
	TOTAL OPINION OF PROB	ABLE COST				\$	651,700
					Cost per lo	ot	43,450

Table 4.2-17

Downers Grove Sanitary District
Possible Special Assessment for Sanitary Sewers

Downers Grove Park Sub-Area

Cost Summary

Sub-Basin:	Near Services	Far Services	Cost		Cost per lot	
Katrine-Maple (North)	17	8	\$	868,500	\$	34,740
Inverness-Lomond-Elinor-Maple (North)	59	13	\$	2,760,200	\$	38,340
Inverness-Belmont (North)	6	0	\$	180,500	\$	30,080
Katrine-College (South)	13	14	\$	599,000	\$	22,190
Lomond-College (South)	14	15	\$	901,500	\$	31,090
Elinor-College (South)	5	4	\$	381,900	\$	42,430
Janes-College (South)	6	7	\$	406,500	\$	31,270
Chase-Hobson-Belmont (South)	9	6	\$	651,700	\$	43,450
TOTALS	129 1 9	67	\$	6,749,800	\$	34,440

45

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: 61st Street from Janes east to Belmont and just south of 59th 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 61st 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 61st Street and west of Belmont Road will be served by existing sewers on 63rd Street (at Janes, Puffer, and Belmont). Residences north of 59th Street and east of Belmont Road will be served by the existing sewer on Maple Avenue (between Woodward and Sherman). Residences south of 59th Street and east of Belmont Road will be served by existing sewers on Boundary Road (at Lee and Downers) and 63rd Street (at Belmont, Pershing, Stonewall, and Springside)

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

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

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

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

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

The following are the proposed sub-basins:

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

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

The Janes-Leonard-Chase-Puffer (North) sub-basin sewer plan follows the east-west drainage divide near 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 \$1,299,200, 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 \$2,446,900, 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 \$627,900, including contingency, engineering, easements, and legal/administrative costs.

The Belmont Road (East) sub-basin sewer plan follows the existing topography, which consists of a low area between the ridge lines along 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 \$1,232,200, 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 \$1,180,700, 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 6006 Woodward Avenue is the most feasible alternative. For the properties on the north side of 63rd Street, connecting to the existing manhole at Woodward and 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 \$324,300, 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 \$742,000, 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 \$312,900, 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 \$1,464,100, 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 \$2,814,000, 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 \$1,247,200, 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 opinion of project cost is \$1,449,100, including contingency, engineering, easements, and legal/administrative costs.

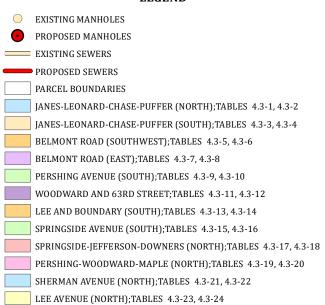
DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

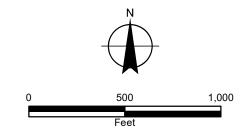
EXHIBIT 4.3

DOWNERS GROVE GARDENS POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND







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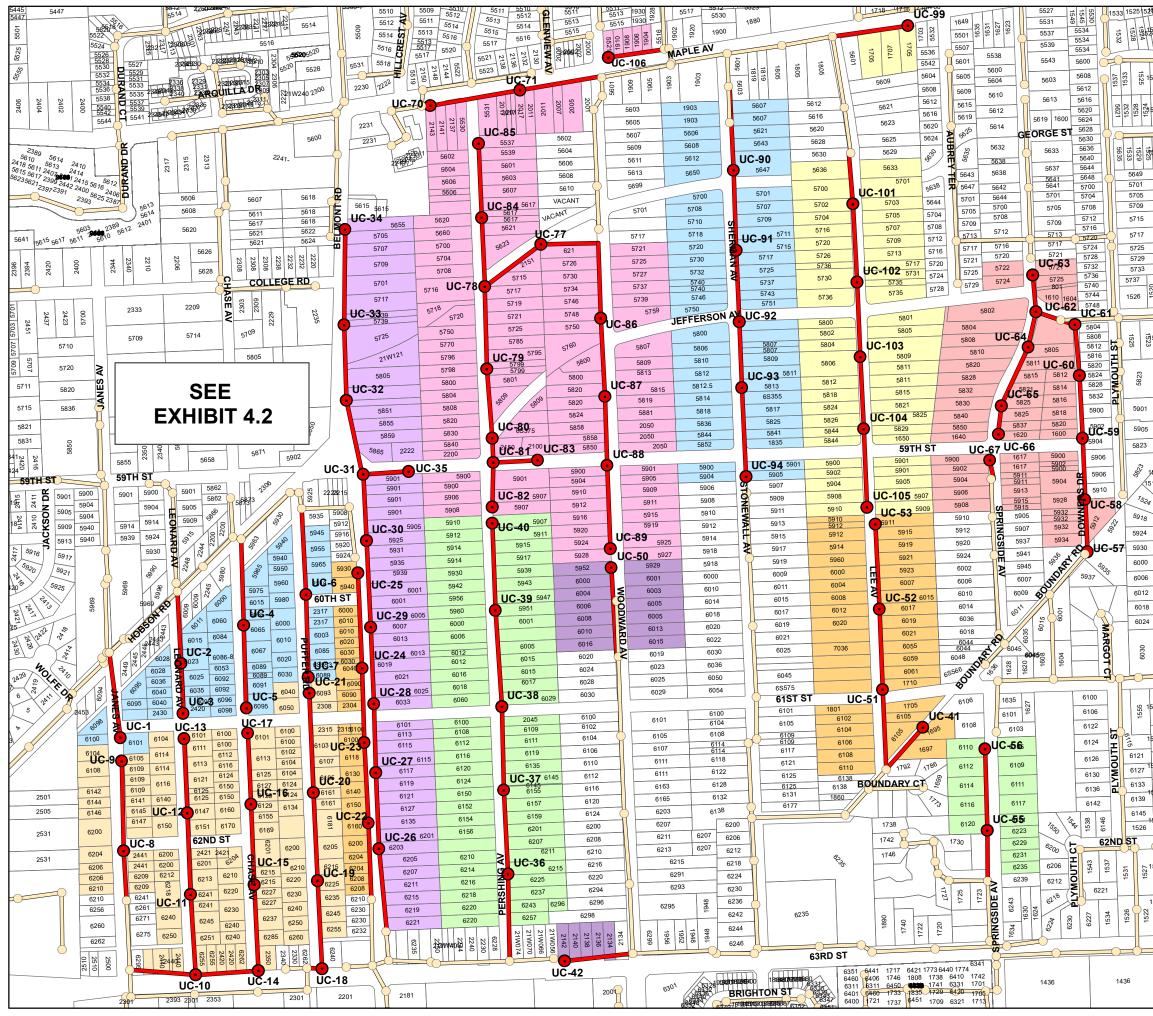


Table 4.3-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-Leonard-Chase-Puffer (North)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Janes Ave	<u>nue</u>					
	H-8-10-1 existing	731.4	715.01	420	1.20%	
	UC-1	736.0	725.05	420	1.20 /6	11.0
Leonard Av	<u>venue</u>					
	H-8-33 existing	731.7	719.00	400	2.20%	
	UC-2	736.0	727.80			8.2
	UC-3	742.0	733.52	220	2.60%	8.5
Chase Ave	nue					
	H-8-43 existing	733.5	726.62	410	3.00%	
	UC-4	755.0	738.92	_		16.1
	UC-5	754.0	743.02	410	1.00%	11.0
Puffer Roa	<u>d</u>					
	H-8-46 existing	741.3	731.65	450	0.400/	
	UC-6	741.5	733.45	450	0.40%	8.1
	UC-7	752.0	741.45	400	2.00%	10.6

52

Table 4.3-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-Leonard-Chase-Puffer (North)

Engineer's Opinion of Probable Construction Cost

			Approxin			Unit		
No.	Pay Item		Quanti	ty		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
	8-inch	0-8 feet deep	500	lin. ft.	\$	75.00	\$	\$37,500
		8-12 feet deep	2,210	lin. ft.	\$	87.00	\$	\$192,270
2	SANITARY MANH	IOI ES						
2	48-inch	0-8 feet deep	2	each	\$	4,800.00	\$	\$9,600
		8-12 feet deep	5	each	\$	6,400.00	\$ \$	\$32,000
2	CONNECTION TO	NEVICTING MANUL						
3	8-inch	EXISTING MANH	OLE 4	each	\$	6,200.00	\$	\$24,800
	0		·	cacii	Ψ	0,200.00	Ψ	Ψ2 1,000
4	TRENCH BACKFI							
	8-inch	0-8 feet deep	100	lin. ft.	<u>\$</u> \$	93.00	<u>\$</u> \$	\$9,300
		8-12 feet deep	822	lin. ft.	<u> </u>	113.00	φ	\$92,886
5	TREE TUNNELIN	G	80	lin. ft.	\$	192.00	\$	\$15,360
6	SEWER TELEVIS	ING FOR FINAL IN	SPECTION	N				
Ū	OLIVER FELLING			lin. ft.	\$	3.00	\$	\$8,130
_								
7	SEWER TESTING	FOR FINAL INSPI	2,710	lin. ft.	\$	3.00	\$	\$8,130
			2,710	1111. 11.	φ	3.00	φ	φ0,130
8	CULVERT REMO	VAL AND REPLAC	EMENT					
	12-inch		357	lin. ft.	\$	81.00	\$	\$28,917
9	RESTORATION C)F I AWNS						
J	AND PARKWAYS							
	Topsoil and	sod	5,142	sq.yd.	\$	14.00	\$	\$71,988
10	RESTORATION C	NE OTDEETO						
10	Bit. Concrete	_	160	sq.yd.	\$	64.00	\$	\$10,240
				- 4-7	<u> </u>		<u> </u>	+ ,
11		EPLACE DRIVEWA			•	40.00	•	400 500
	Bituminous Concrete			sq.yd. sq.yd.	<u>\$</u> \$	48.00 81.00	<u>\$</u> \$	\$23,568 \$5,427
	Conordia		07	oq.yu.	Ψ	01.00	Ψ	ΨΟ,+21
12	TREE REMOVAL	AND TRIMMING			Lum	p Sum	\$	\$333

Table 4.3-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-Leonard-Chase-Puffer (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxir Quant			Unit Price		Amount
INO.	ray itelli	Quant	пу		FIICE		Amount
13	EROSION CONTROL			Lump	Sum	\$	\$1,330
14	TRAFFIC CONTROL			Lump	Sum	\$	\$7,980
						\$	\$579,759
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES			_		_	
	Near side	740		\$	50.00	<u>\$</u> \$	\$37,000
	Far side	1,860	lin. ft.	\$	50.00	\$	\$93,000
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	37	each	\$	554.00	\$	\$20,498
	Far side	31	each	\$	682.00	\$	\$21,142
3	BUILDING SERVICE PLUGS:	68	each	\$	208.00	\$	\$14,144
4	RESTORATION OF LAWNS						
4	AND PARKWAYS						
	Topsoil and sod	2,700	sq.yd.	\$	14.00	\$	\$37,800
	•	,	.,				· ,
5	RESTORATION OF STREETS						
	Bit. Concrete Street	413	sq.yd.	\$	63.00	\$	\$26,019
6	TRENCH BACKFILL						
Ū	0-8 feet deep	744	lin. ft.	\$	62.00	\$	\$46,128
	SUBTOTAL					\$	\$295,731
	TOTAL ESTIMATE OF CONS	TRUCTION (COST			\$	\$875,500
		O "	. (0	00()			4.75.400
		Contingenc Engineering		0%) 0%)			\$175,100 \$175,100
		Legal / Adn	•	6%)			\$73,500
		Logar, ran	(0,0,			ψ. 0,000
	TOTAL OPINION OF PROBA	BLE COST				\$	\$1,299,200
					Cost pe	r lot	\$19,110

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)	Slope	Manhole <u>Depth</u>
Janes Ave	<u>enue</u>					
	Existing	720.0	708.00	300	1.20%	
	UC-8	730.0	716.60			13.4
	UC-9	738.0	726.40	400	1.20%	11.6
63rd Stree	<u>et</u>					
	Existing	713.6	702.70	250	0.400/	
	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>					
	110.44	700.0	704.40	400	3.00%	0.0
	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	<u>enue</u>					
	UC-15	730.0	719.06	450	0.80%	10.9
	UC-16	734.0	725.81	450	1.50%	8.2
	UC-17	750.0	739.31	450	3.00%	10.7
Puffer Roa	a <u>d</u>					
	H-1-98 (existing)	730.0	719.79			
	UC-18	730.0	721.29	60	2.50%	8.7
	UC-19	732.0	723.99	450	0.60%	8.0
	UC-20	736.0	727.59	450	0.80%	8.4
	UC-21	750.0	738.84	450	2.50%	11.2

55

Table 4.3-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-Leonard-Chase-Puffer (South)

Engineer's Opinion of Probable Construction Cost

			Approxir	nate		Unit		
No.	Pay Item		Quant	ity		Price		Amount
MAINLII	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
•	8-inch	0-8 feet deep	900	lin. ft.	\$	75.00	\$	\$67,500
		8-12 feet deep	4,450	lin. ft.	\$	87.00	\$	\$387,150
0	CANUTADY MAANU	01.50						
2	SANITARY MANH 48-inch	0-8 feet deep	2	each	¢	4,800.00	¢	\$9,600
	40-111011	8-12 feet deep	12	each	<u>\$</u> \$	6,400.00	<u>\$</u> \$	\$76,800
		7 12 11 11 11 11 11			<u>*</u>		<u>*</u>	**********
3	CONNECTION TO	EXISTING MANH						
	8-inch		3	each	\$	6,200.00	\$	\$18,600
4	TRENCH BACKFI	1.1						
7	8-inch	0-8 feet deep	50	lin. ft.	\$	93.00	\$	\$4,650
		8-12 feet deep	1,353	lin. ft.	\$	113.00	\$	\$152,889
		_						
5	TREE TUNNELING	G	240	lin. ft.	\$	192.00	\$	\$46,080
6	SEWER TELEVIS	ING FOR FINAL IN	ISPECTIO	N				
O O	OLVVEIX TELEVIO	IIIVOT OKT IIVAL IIV		lin. ft.	\$	3.00	\$	\$16,050
			-,		<u> </u>		•	* 2,222
7	SEWER TESTING	FOR FINAL INSP						
			5,350	lin. ft.	\$	3.00	\$	\$16,050
8	CULVERT REMOV	/ΔΙ ΔΝΟ REPLAC	EMENT					
o o	12-inch	VALAND NEI EAG	856	lin. ft.	\$	81.00	\$	\$69,336
					-		•	* ,
9	RESTORATION C							
	AND PARKWAYS		0.700		ф	44.00	Φ	#427.046
	Topsoil and	sou	9,789	sq.yd.	\$	14.00	\$	\$137,046
10	RESTORATION C	F STREETS						
	Bit. Concrete	Street	292	sq.yd.	\$	64.00	\$	\$18,688
	DE140\ (E 4\ \ \ D D D							
11	REMOVE AND RE Bituminous	PLACE DRIVEWA		og vd	ф	48.00	¢	¢49 576
	Concrete			sq.yd. sq.yd.	<u>\$</u> \$	81.00	<u>\$</u> \$	\$48,576 \$6,237
	23.101010		.,	24.74.	<u>~</u>	31.00	<u>*</u>	Ψ0,201
12	TREE REMOVAL	AND TRIMMING			Lum	np Sum	\$	\$1,131
13	EROSION CONTR	ROL			Lum	np Sum	\$	\$1,663
_						•		, , , , , , , , ,

Table 4.3-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Janes-Leonard-Chase-Puffer (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price		Amount
14	TRAFFIC CONTROL		Lump Sum	\$	\$9,975
	SUBTOTAL			\$	\$1,088,020
SERVIC	E LATERALS				
1	BUILDING SERVICE LINES Near side Far side	1,440 lin. ft 3,420 lin. ft		\$ \$	\$72,000 \$171,000
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	72 each 57 each		\$ \$	\$39,888 \$38,874
3	BUILDING SERVICE PLUG	129 each	n <u>\$ 208.00</u>	\$	\$26,832
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	3,575 sq.yd	. \$ 14.00	\$	\$50,050
5	RESTORATION OF STREETS Bit. Concrete Street	1,115 sq.yd	. \$ 63.00	\$	\$70,245
6	TRENCH BACKFILL 0-8 feet deep	1,482 lin. ft	. \$ 62.00	\$	\$91,884
	SUBTOTAL			\$	\$560,773
	TOTAL ESTIMATE OF CONS	TRUCTION COST		\$	\$1,648,800
		•	(20%) (20%) (6%)		\$329,800 \$329,800 \$138,500
	TOTAL OPINION OF PROBAI	BLE COST		\$	\$2,446,900
			Cost pe	er lot	\$18,970

Table 4.3-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belmont-Southwest

Preliminary Design Layout

	Manhole Number	Rim	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
Belmont R	oad					
	H-1-94 (existing)	738.8	728.38	400	1 000/	
	UC-22	742.0	732.38	400	1.00%	9.6
	UC-23	744.0	735.98	400	0.90%	8.0
	UC-24	750.0	740.03	450	0.90%	10.0
	UC-25	750.0	741.91	470	0.40%	8.1

Table 4.3-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belmont-Southwest

Engineer's Opinion of Probable Construction Cost

			Approxin	nate		Unit		
No.	Pay Item		Quanti	ity		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEWER 8-inch	R (OPEN CUT) 0-8 feet deep 8-12 feet deep	500 1,220	lin. ft. lin. ft.	\$ \$	75.00 87.00	\$	\$37,500 \$106,140
2	SANITARY MANHO 48-inch	OLES 0-8 feet deep 8-12 feet deep	2 2		\$ \$	4,800.00 6,400.00	\$	\$9,600 \$12,800
3	CONNECTION TO 8-inch	EXISTING MANHO	OLE 1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFIL 8-inch	L 0-8 feet deep 8-12 feet deep	264 315	lin. ft. lin. ft.	\$ \$	93.00 113.00	\$	\$24,552 \$35,595
5	TREE TUNNELING	i	120	lin. ft.	\$	192.00	\$	\$23,040
6	SEWER TELEVISIN	NG FOR FINAL IN:		N lin. ft.	\$	3.00	\$	\$5,160
7	SEWER TESTING	FOR FINAL INSPE	ECTION 1,720	lin. ft.	\$	3.00	\$	\$5,160
8	RESTORATION OF AND PARKWAYS: Topsoil and se		3,547	sq.yd.	\$	14.00	\$	\$49,658
9	RESTORATION OF Bit. Concrete S		64	sq.yd.	\$	64.00	\$	\$4,096
10	REMOVE AND REF Bituminous Concrete	PLACE DRIVEWA	269	sq.yd. sq.yd.	\$ \$	48.00 81.00	\$ \$	\$12,912 \$4,860
12	TREE REMOVAL A	ND TRIMMING			Lum	p Sum	\$	\$1,330
13	EROSION CONTRO	OL			Lum	p Sum	\$	\$665

Table 4.3-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belmont-Southwest

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxir Quant			Unit Price		Amount
	TRAFFIC CONTROL			Lumr	o Sum	\$	\$8,645
17	SUBTOTAL			Lam	Juli	\$	
						φ	\$347,913
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES Near side	250		\$ \$	50.00	<u>\$</u> \$	\$12,500
	Far side	0	lin. ft.	\$	50.00	\$	\$0
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side Far side	25 0		<u>\$</u> \$	554.00 682.00	<u>\$</u> \$	\$13,850 \$0
		ŭ	odon	Ψ	002.00	Ψ	Ψ
3	BUILDING SERVICE PLUG Near side	25	each	\$	208.00	\$	\$5,200
4	RESTORATION OF LAWNS AND PARKWAYS:						
	Topsoil and sod	0	sq.yd.	\$	14.00	\$	\$0
5	RESTORATION OF STREETS	•		•		•	•
	Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	\$0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	62.00	\$	\$0_
	SUBTOTAL					\$	\$31,550
	TOTAL ESTIMATE OF CONS	STRUCTION (COST			\$	\$379,500
		Contingence Engineering Legal / Adn Easement /	g (2 nin (0%) 0%) 6%) on			\$75,900 \$75,900 \$31,900 \$64,700
	TOTAL OPINION OF PROBA	BLE COST				\$	\$627,900
					Cost pe	r lot	\$25,120

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

61

Table 4.3-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belmont Road (East)

Engineer's Opinion of Probable Construction Cost

			Approxin	nate		Unit		
No.	Pay Item		Quanti	ty		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEWER (OF 8-inch 0-	PEN CUT) 8 feet deep	1,000	lin. ft.	\$	75.00	\$	\$75,000
		2 feet deep	2,800	lin. ft.	\$	87.00	\$ \$	\$243,600
2	SANITARY MANHOLES	3						
	48-inch 0-	8 feet deep	2	each	\$	4,800.00	\$	\$9,600
	8-1	2 feet deep	8	each	\$ \$	6,400.00	\$ \$	\$51,200
3	CONNECTION TO EXIS	STING MANHO	OLE					
	8-inch		1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL							
		8 feet deep	313	lin. ft.	<u>\$</u> \$	93.00	<u>\$</u> \$	\$29,109
	8-1	2 feet deep	659	lin. ft.	\$	113.00	\$	\$74,467
5	TREE TUNNELING		280	lin. ft.	\$	192.00	\$	\$53,760
6	SEWER TELEVISING F	OR FINAL IN	SPECTION	N				
			3,800	lin. ft.	\$	3.00	\$	\$11,400
7	SEWER TESTING FOR	FINAL INSPE	CTION					
			3,800	lin. ft.	\$	3.00	\$	\$11,400
8	RESTORATION OF LAV	WNS						
	AND PARKWAYS: Topsoil and sod		2 031	sq.yd.	\$	14.00	\$	\$28,434
	·		2,001	oq.yu.	Ψ	14.00	Ψ	Ψ20,404
9	RESTORATION OF STI Bit. Concrete Street		69	sq.yd.	\$	64.00	\$	\$4,416
				oq.yu.	Ψ	04.00	Ψ	ψ+,+10
10	REMOVE AND REPLACE Bituminous	CE DRIVEWA		sq.yd.	\$	48.00	\$	\$21,264
	Concrete		130	sq.yd.	\$ \$	81.00	\$ \$	\$10,530
11	TREE REMOVAL AND	TRIMMING			Lump	o Sum	\$	\$13,300
12	EROSION CONTROL				Lumr	o Sum	\$	\$665
							<u> </u>	+

Table 4.3-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belmont Road (East)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxim Quantit			Unit Price		Amount
13	TRAFFIC CONTROL		,	Lump	Sum	\$	\$19,950
	SUBTOTAL					\$	\$664,295
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES	500	P. 6	Φ.	50.00	•	#00.000
	Near side Far side	520 0	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	\$26,000 \$0
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side Far side	52 0	each each	<u>\$</u>	554.00 682.00	<u>\$</u>	\$28,808
2	BUILDING SERVICE PLUG	U	еасп	Φ	062.00	Ψ	\$0
3	Near side	52	each	\$	208.00	\$	\$10,816
4	RESTORATION OF LAWNS AND PARKWAYS						
	Topsoil and sod	0	sq.yd.	\$	14.00	\$	\$0
5	RESTORATION OF STREETS Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	\$0
6	TRENCH BACKFILL	J	oq.ya.	Ψ		<u> </u>	Ψ
O	8-12 feet deep	0	lin. ft.	\$	83.00	\$	\$0
	SUBTOTAL					\$	\$65,624
	TOTAL ESTIMATE OF CONS	TRUCTION C	OST			\$	\$729,900
		Contingencie	•	0%) 0%)			\$146,000 \$146,000
		Engineering Legal / Admi	in `((6%)			\$146,000 \$61,300
		Easement A	cquisitio	n			\$149,000
	TOTAL OPINION OF PROBA	BLE COST				\$	\$1,232,200
					Cost per lo	ot	\$23,700

Table 4.3-9

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Pershing Avenue (South)

Preliminary Design Layout

<u>1</u>	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>	
Pershing Avenue							
	Existing	744.8	733.40				
	UC-36	750.0	737.90	450	1.00%	12.1	
			- 40 4-	450	0.50%		
	UC-37	750.0	740.15	450	0.50%	9.9	
	UC-38	754.0	742.40			11.6	
	UC-39	752.0	744.20	450	0.40%	7.8	
	00 00	102.0	144.20	450	0.80%	7.0	
	UC-40	762.0	747.80			14.2	

64

Table 4.3-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Pershing Avenue (South)

Engineer's Opinion of Probable Construction Cost

				Approximate Unit					
No.	Pay Item		Quanti	ty		Price		Amount	
MAINLINE SEWER									
1	SANITARY SEWE	R (OPEN CUT)							
	8-inch	0-8 feet deep	400	lin. ft.	\$	75.00	\$	\$30,000	
		8-12 feet deep	1,850	lin. ft.	\$	87.00	\$ \$	\$160,950	
2	SANITARY MANHOLES								
2	48-inch	0-8 feet deep	1	each	\$	4,800.00	\$	\$4,800	
	40-111011	8-12 feet deep	4	each	\$	6,400.00	<u>\$</u> \$	\$25,600	
		у			<u> </u>		<u> </u>		
3	CONNECTION TO	EXISTING MANH	OLE						
	8-inch		1	each	\$	6,200.00	\$	\$6,200	
4	TRENCH BACKFIL	1							
4	8-inch	0-8 feet deep	130	lin. ft.	\$	93.00	\$	\$12,090	
	o mon	8-12 feet deep	1,201	lin. ft.	<u>\$</u> \$	113.00	<u>\$</u> \$	\$135,713	
		•	,		<u> </u>			· ,	
5	TREE TUNNELING	3	70	lin. ft.	\$	192.00	\$	\$13,440	
0	OFWED TELEVIOL	NO FOR FINIAL IN	ODEOTION						
6	SEWER TELEVISI	NG FOR FINAL IN		ง lin. ft.	\$	3.00	\$	\$6,750	
			2,230	1111. 11.	φ	3.00	φ	φ0,730	
7	SEWER TESTING	FOR FINAL INSPI	ECTION						
			2,250	lin. ft.	\$	3.00	\$	\$6,750	
_									
8	CULVERT REMO\	AL AND REPLAC		1: £4	Ф	102.00	Ф	ሲ ባር ባርር	
	15-inch		255	lin. ft.	\$	103.00	\$	\$26,265	
9	RESTORATION O	F LAWNS							
	AND PARKWAYS:								
	Topsoil and s	sod	2,616	sq.yd.	\$	14.00	\$	\$36,624	
4.0	DE070D4710N 0								
10	RESTORATION O		756	og vd	¢	64.00	ф	\$40.20A	
	Bit. Concrete S	Sireet	730	sq.yd.	\$	64.00	\$	\$48,384	
11	REMOVE AND RE	PLACE DRIVEWA	YS						
	Bituminous		263	sq.yd.	\$	48.00	<u>\$</u>	\$12,624	
	Concrete		80	sq.yd.	\$	81.00	\$	\$6,480	
40. DEMOVE AND DEDI AGE OIDENALIA									
12	REMOVE AND RE 4' Concrete	PLACE SIDEWAL		sq.ft.	\$	13.00	\$	\$650	
	4 CONCIDER		50	૭ ૫.1ા.	Ψ	13.00	Ψ	φυσυ	

Table 4.3-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Pershing Avenue (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price		Amount
13	TREE REMOVAL AND TRIMMING		Lump Sum	\$	\$3,325
14	EROSION CONTROL		Lump Sum	\$	\$665
15	TRAFFIC CONTROL		Lump Sum	\$	\$3,990
	SUBTOTAL			\$	\$541,300
SERVIC	CE LATERALS				
1	BUILDING SERVICE LINES Near side Far side	768 lin. ft. 1,344 lin. ft.		\$ \$	\$38,400 \$67,200
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	32 each 32 each		<u>\$</u> \$	\$17,728 \$21,824
3	BUILDING SERVICE PLUG	64 each	\$ 208.00	\$	\$13,312
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,387 sq.yd.	\$ 14.00	\$	\$19,418
5	RESTORATION OF STREETS Bit. Concrete Street	427 sq.yd.	\$ 63.00	\$	\$26,901
6	TRENCH BACKFILL 0-8 feet deep	800 lin. ft.	\$ 62.00	\$	\$49,600
	SUBTOTAL			\$	\$254,383
	TOTAL ESTIMATE OF CONST	RUCTION COST		\$	\$795,700
			20%) 20%) (6%)		\$159,100 \$159,100 \$66,800
	TOTAL OPINION OF PROBABI	LE COST		\$	\$1,180,700
			Cost pe	er lot	\$18,450

Table 4.3-11

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Woodward and 63rd Street

Preliminary Design Layout

Prelimin	ary Design Layout					Manhole
	Manhole Number	Rim	Invert	Length (ft)	Slope	<u>Depth</u>
63rd Stre	<u>eet</u>					
	H-2-160 (existing)	736.0	730.63	320	1.20%	5.4
	UC-42	744.0	734.47	320	1.2070	9.5
<u>Woodwa</u>	rd Avenue					
	H-2-173 (existing)	747.0	738.79	115	0.40%	8.2
	UC-50	748.0	739.25	113	0.4070	8.8

Table 4.3-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Woodward and 63rd Street

Engineer's Opinion of Probable Construction Cost

			Approxim	ate		Unit		Amount
No.	Pay Item		Quantit	У		Price		Amount
MAINLI	INE SEWER							
1	SANITARY SEW 8-inch	ER (OPEN CUT) 8-12 feet deep	435	lin. ft.	\$	87.00	\$	\$37,845
2	SANITARY MAN	HOLES				_		
_	48-inch	0-8 feet deep	1	each	\$	4,800.00	\$	\$4,800
	10	8-12 feet deep	1	each	\$ \$	6,400.00	\$ \$	\$6,400
3	CONNECTION T	O EXISTING MANH	OLE					
	8-inch		2	each	\$	6,200.00	\$	\$12,400
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	215	lin. ft.	\$	93.00	\$	\$19,995
		8-12 feet deep	220	lin. ft.	\$	113.00	\$ \$	\$24,860
5	TREE TUNNELII	NG	40	lin. ft.	\$	192.00	\$	\$7,680
6	SEWER TELEVI	SING FOR FINAL IN	SPECTION					
			435	lin. ft.	\$	3.00	\$	\$1,305
7	SEWER TESTIN	G FOR FINAL INSPI	ECTION 435	lin. ft.	\$	3.00	\$	\$1,305
			400	1111. 11.	Ψ	3.00	Ψ	ψ1,303
8		OVAL AND REPLAC		ı. 6	•	400.00	•	***
	15-inch		80	lin. ft.	<u>\$</u>	103.00	\$	\$8,240
9	RESTORATION							
	AND PARKWAY		725	sa vd	Ф	14.00	æ	¢10 150
	Topsoil and	a sou	725	sq.yd.	\$	14.00	\$	\$10,150
10	RESTORATION		0		Φ.	04.00	Φ.	Φ0
	Bit. Concrete	e Street	U	sq.yd.	<u>\$</u>	64.00	\$	\$0
11		REPLACE DRIVEWA			•	40.00	Φ.	40.400
	Bituminous			sq.yd.	<u>\$</u> \$	48.00	<u>\$</u>	\$8,192
	Concrete		10	sq.yd.	<u> </u>	81.00	Ф	\$810
12		REPLACE SIDEWAL						
	4' Concrete		0	sq.ft.	\$	13.00	\$	\$0

Table 4.3-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Woodward and 63rd Street

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price	Amount
13	TREE REMOVAL AND TRIMMING	•	Lump Sum	\$ \$2,660
14	EROSION CONTROL		Lump Sum	\$ \$665
15	TRAFFIC CONTROL		Lump Sum	\$ \$8,645
	SUBTOTAL			\$ \$155,952
SERVI	CE LATERALS			
1	BUILDING SERVICE LINES Near side Far side	110 lin. ft. 189 lin. ft.	\$ 50.00 \$ 50.00	\$ \$5,500 \$ \$9,450
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	11 each 7 each	\$ 554.00 \$ 682.00	\$ \$6,094 \$ \$4,774
3	BUILDING SERVICE PLUG	18 each	\$ 208.00	\$ \$3,744
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	219 sq.yd.	\$ 14.00	\$ \$3,064
5	RESTORATION OF STREETS Bit. Concrete Street	103 sq.yd.	\$ 63.00	\$ \$6,468
6	TRENCH BACKFILL 0-8 feet deep	182 lin. ft.	\$ 62.00	\$ \$11,284
	SUBTOTAL			\$ \$50,378
	TOTAL ESTIMATE OF CONST	RUCTION COST		\$ \$206,300
		Engineering (2	0%) 0%) 6%)	\$41,300 \$41,300 \$17,300 \$18,100
	TOTAL OPINION OF PROBAB	LE COST		\$ \$324,300
			Cost per lot	\$18,020

Table 4.3-13

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lee and Boundry (South)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Lee Aven	<u>ue</u>					
	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	400	3.50%	12.0
	UC-53	770.0	762.05	400	3.30 %	8.0
Boundary	Road					
	UC-41	753.0	742.10	430	1.50%	10.9

Table 4.3-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lee and Boundary (South)

Engineer's Opinion of Probable Construction Cost

N.a	Day Itara	Approxin			Unit		A
No.	Pay Item	Quant	ıty		Price		Amount
MAINLI	NE SEWER						
1	SANITARY SEWER (OPEN C	UT)					
	8-inch 0-8 feet	deep 509	lin. ft.	\$	75.00	\$	\$38,175
	8-12 feet	deep 754	lin. ft.	\$	87.00	\$ \$	\$65,598
	12-16 feet	deep 367	lin. ft.	\$	106.00	\$	\$38,902
2	SANITARY MANHOLES						
	48-inch 0-8 feet	deep 2	each	\$	4,800.00	\$	\$9,600
	8-12 feet	deep 2	each	\$	6,400.00	\$ \$	\$12,800
3	CONNECTION TO EXISTING	MANHOLE					
	8-inch	2	each	\$	6,200.00	\$	\$12,400
4	TRENCH BACKFILL						
	8-inch 0-8 feet	deep 130	lin. ft.	\$	93.00	\$	\$12,090
	8-12 feet	deep 225	lin. ft.	\$	113.00	\$ \$ \$	\$25,425
	12-16 feet	deep 42	lin. ft.	\$	137.00	\$	\$5,754
5	TREE TUNNELING	79	lin. ft.	\$	192.00	\$	\$15,168
6	SEWER TELEVISING FOR FII	NAL INSPECTIO	V				
		1,630	lin. ft.	\$	3.00	\$	\$4,890
7	SEWER TESTING FOR FINAL	INSPECTION					
		1,630	lin. ft.	\$	3.00	\$	\$4,890
8	CULVERT REMOVAL AND RE	EPLACEMENT					
	12-inch	200	lin. ft.	\$	81.00	\$	\$16,200
9	RESTORATION OF LAWNS						
	AND PARKWAYS						
	Topsoil and sod	2,901	sq.yd.	\$	14.00	\$	\$40,614
10							
	Bit. Concrete Street		sq.yd.	\$	64.00	\$	\$5,952
	PCC Curb & Gutter	20	lin. ft.	\$	41.00	\$	\$820
11	REMOVE AND REPLACE DRI						
	Bituminous		sq.yd.	\$	48.00	\$	\$7,584
	PCC Driveway		sq.yd.	\$ \$ \$	81.00	\$ \$ \$	\$6,723
	Aggregate Driveway	61	sq.yd.	<u>\$</u>	20.00	<u></u> \$	\$1,220
12	TREE REMOVAL AND TRIMM	IING		Lum	p Sum	\$	\$1,663

Table 4.3-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lee and Boundary (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxim Quantit			Unit Price		Amount
13	EROSION CONTROL			Lum	o Sum	\$	\$665
14	TRAFFIC CONTROL			Lum	o Sum	\$	\$7,315
	SUBTOTAL					\$	\$334,448
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES Near side Far side	200 1,064	lin. ft. lin. ft.	\$	50.00 50.00	\$	\$10,000 \$53,200
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	20 19	each each	\$ \$	554.00 682.00	\$ \$	\$11,080 \$12,958
3	BUILDING SERVICE PLUG	39	each	\$	208.00	\$	\$8,112
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,017	sq.yd.	\$	14.00	\$	\$14,238
5	RESTORATION OF STREETS Bit. Concrete Street	377	sq.yd.	\$	63.00	\$	\$23,751
6	TRENCH BACKFILL 0-8 feet deep	519	lin. ft.	\$	62.00	\$	\$32,178
	SUBTOTAL					\$	\$165,517
	TOTAL ESTIMATE OF CONS	STRUCTION C	OST			\$	\$500,000
		Contingencie Engineering Legal / Admi	(20	0%) 0%) 6%)			\$100,000 \$100,000 \$42,000
	TOTAL OPINION OF PROBA	BLE COST				\$	\$742,000
					Cost per lo	ot	\$19,030

Table 4.3-15

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside (South)

Preliminary Design Layout

<u>Ma</u>	anhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Springside Ave	enue					
H-2	2-166 (existing)	740.0	726.63	250	0.80%	13.4
	UC-55	742.0	728.63	400	1.80%	13.4
	UC-56	749.0	735.83	400	1.00 /0	13.2

Table 4.3-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Price Quantity Amount No. MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 650 lin. ft. \$ 75.00 \$ \$48,750 2 SANITARY MANHOLES 0-8 feet deep 2 \$ 4,800.00 \$ \$9,600 48-inch each 3 CONNECTION TO EXISTING MANHOLE 8-inch \$ 6,200.00 \$ \$6,200 1 each 4 TRENCH BACKFILL 0-8 feet deep 206 lin. ft. \$ 93.00 \$ \$19,158 5 TREE TUNNELING 60 lin. ft. \$ 192.00 \$ \$11,520 6 SEWER TELEVISING FOR FINAL INSPECTION 650 lin. ft. \$ 3.00 \$ \$1,950 7 SEWER TESTING FOR FINAL INSPECTION 650 lin. ft. \$ 3.00 \$ \$1,950 8 CULVERT REMOVAL AND REPLACEMENT 15-inch 150 lin. ft. \$ 103.00 \$15,450 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 1,098 sq.yd. \$ 14.00 \$ \$15,372 10 RESTORATION OF STREETS Bit. Concrete Street 35 sq.yd. \$ 64.00 \$ \$2,240 REMOVE AND REPLACE DRIVEWAYS **Bituminous** 48.00 \$ \$5,280 110 sq.yd. \$ 12 TREE REMOVAL AND TRIMMING Lump Sum \$ \$1,995 13 EROSION CONTROL Lump Sum \$ \$665

Table 4.3-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside (South)

Engineer's Opinion of Probable Construction Cost

	D "	Approxin			Unit		
No.	Pay Item	Quant	ity		Price		Amount
14	TRAFFIC CONTROL			Lum	p Sum	\$	\$3,325
	SUBTOTAL					\$	\$143,455
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	80 450	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$	\$4,000 \$22,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	5 9	each each	\$	554.00 682.00	\$ \$	\$2,770 \$6,138
3	BUILDING SERVICE PLUG	14	each	\$	208.00	\$	\$2,912
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	400	sq.yd.	\$	14.00	\$	\$5,600
5	RESTORATION OF STREETS Bit. Concrete Street	160	sq.yd.	\$	63.00	\$	\$10,080
6	TRENCH BACKFILL 0-8 feet deep	216	lin. ft.	\$	62.00	\$	\$13,392
	SUBTOTAL					\$	\$67,392
	TOTAL ESTIMATE OF CONS	TRUCTION C	COST			\$	\$210,800
		Contingence Engineering Legal / Adm	j (2	0%) 0%) 6%)			\$42,200 \$42,200 \$17,700
	TOTAL OPINION OF PROBA	BLE COST				\$	\$312,900
					Cost per lo	ot	\$22,350

Table 4.3-17

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside-Jefferson-Downers (North)

Preliminary Design Layout

<u>Ma</u>	nhole Number	<u>Rim</u>	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
<u>Downers Drive</u>						
H-3-	-2-14 (existing)	755.0	736.20			18.8
	UC-57	754.0	736.35	38	0.40%	17.6
	UC-58	756.0	737.35	250	0.40%	18.6
	UC-59	754.0	738.36	253	0.40%	15.6
	UC-60	757.5	739.73	341	0.40%	17.8
				340	0.40%	
	UC-61	753.0	741.09			11.9
Jefferson Drive						
	UC-62	750.0	742.09	250	0.40%	7.9
Springside Aver	nue					
<u></u>	<u></u>			220	0.40%	
	UC-63	750.0	742.97			7.0
	UC-64	750.0	742.88	198	0.40%	7.1
	UC-65	763.0	750.56	384	2.00%	12.4
	UC-66	764.0	751.96	140	1.00%	12.0
H-3	-110 (existing)	755.3	745.25	320	3.00%	10.0
	UC-67	764.0	754.85	320	J.00 /0	9.1

76

Table 4.3-18

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside-Jefferson-Downers (North)

Engineer's Opinion of Probable Construction Cost

			Approxir	nate		Unit		
No.	Pay Item		Quant	ity		Price		Amount
	NE CEWED							
MAINLII	NE SEWER							
1	SANITARY SEV	VER (OPEN CUT)						
•	8-inch	0-8 feet deep	418	lin. ft.	\$	75.00	\$	\$31,350
	55	8-12 feet deep	1,114	lin. ft.	\$ \$ \$	87.00	\$	\$96,918
		12-16 feet deep	588	lin. ft.	\$	106.00	\$	\$62,328
		16-20 feet deep	614	lin. ft.	\$	127.00	\$ \$ \$	\$77,978
						<u> </u>	'	
2	SANITARY MAN		_		_		_	*
	48-inch	0-8 feet deep	3	each	\$	4,800.00	\$ \$ \$	\$14,400
		8-12 feet deep	4	each	\$	6,400.00	\$	\$25,600
		12-16 feet deep	1	each	\$	7,700.00	\$	\$7,700
		16-20 feet deep	3	each	\$	10,300.00	\$	\$30,900
3	CONNECTION	TO EXISTING MANH	OLF.					
· ·	8-inch	TO EXCEPTIVE WINGER	2	each	\$	6,200.00	\$	\$12,400
	55		_		<u> </u>	0,200.00	*	ψ.=,
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	370	lin. ft.	\$	93.00	\$	\$34,410
		8-12 feet deep	680	lin. ft.	\$	113.00	\$	\$76,840
		12-16 feet deep	481	lin. ft.	\$	137.00	\$	\$65,897
		16-20 feet deep	608	lin. ft.	\$	180.00	\$ \$ \$	\$109,440
_					_		_	*
5	TREE TUNNELI	ING	60	lin. ft.	\$	192.00	\$	\$11,520
6	SEWED TELEV	ISING FOR FINAL IN	SDECTION	d.				
U	SLVVLIX ILLLV	ISING FOR FINAL IN	2,734	lin. ft.	\$	3.00	\$	\$8,202
			2,704	1111. 14.	Ψ	0.00	Ψ	Ψ0,202
7	SEWER TESTIN	NG FOR FINAL INSPE	ECTION					
			2,734	lin. ft.	\$	3.00	\$	\$8,202
8	CULVERT REM	OVAL AND REPLACE						
	12-inch		160	lin. ft.	\$	81.00	\$	\$12,960
0	DECTODATION							
9	RESTORATION AND PARKWAY							
	Topsoil an		3 850	sq.yd.	\$	14.00	\$	\$53,900
	Topson an	iu 30u	3,030	sq.yu.	Ψ	14.00	Ψ	Ψ33,900
10	RESTORATION	OF STREETS						
	Bit. Concret	te Street	625	sq.yd.	\$	64.00	\$	\$40,000
11		REPLACE DRIVEWA					•	
	Bituminous		255	sq.yd.	\$	48.00	\$	\$12,240
	Concrete		72	sq.yd.	\$	81.00	\$ \$ \$	\$5,832
	Aggregate		162	sq.yd.	\$	20.00	\$	\$3,240

Table 4.3-18

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Springside-Jefferson-Downers (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxir Quant			Unit Price		Amount
12	TREE REMOVAL AND TRIMMING			Lump	Sum	\$	\$2,993
13	EROSION CONTROL			Lump	Sum	\$	\$998
14	TRAFFIC CONTROL:			Lump	Sum	\$	\$6,650
	SUBTOTAL					\$	\$806,247
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	495 912	lin. ft. lin. ft.	<u>\$</u> \$	50.00 50.00	\$ \$	\$24,750 \$45,600
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	33 19	each each	\$	554.00 682.00	\$ \$	\$18,282 \$12,958
3	BUILDING SERVICE PLUG	52	each	\$	208.00	\$	\$10,816
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	842	sq.yd.	\$	14.00	\$	\$11,788
5	RESTORATION OF STREETS Bit. Concrete Street	388	sq.yd.	\$	63.00	\$	\$24,444
6	TRENCH BACKFILL 0-8 feet deep	494	lin. ft.	\$	62.00	\$	\$30,628
7	REMOVE AND REPLACE DRIVEWAY Bituminous		sq.yd.	\$	47.00	\$	\$1,128
	SUBTOTAL					\$	\$180,394
	TOTAL ESTIMATE OF CONSTRU	ICTION C	COST			\$	\$986,600
	En	ntingenci gineering gal / Adm) (2	0%) 0%) 6%)			\$197,300 \$197,300 \$82,900
	TOTAL OPINION OF PROBABLE	COST				\$	\$1,464,100
					Cost pe	r lot	\$28,160

Table 4.3-19
Downers Grove Sanitary District
Possible Special Assessment for Sanitary Sewers
Pershing-Woodward-Maple (North)
Preliminary Design Layout

riemminar	y Design Layout					Manhole
	Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	<u>Depth</u>
Maple Aver	<u>nue</u>					
	2-C-131 (existing)	730.2	711.80	300	2.00%	18.4
	UC-106	740.0	729.80	300	2.0070	10.2
	2-C-151 (existing)	741.6	723.72	450	3.50%	17.9
	UC-71	752.0	739.47		2.00%	12.5
	UC-70	760.0	748.47	450	2.00%	11.5
Woodward	<u>Avenue</u>					
	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 S	<u>Street</u>					
	UC-77	739.0	730.94	325	1.10%	8.1
	UC-78	756.0	735.62	390	1.20%	20.4
Pershing Av	venu <u>e</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		700.0	171.02			0.4
<u>3011 011 001</u>	UC-83	748.5	741.06	400	0.40%	7.4
	00 00	7 70.0	7 7 1.00			7.7

79

			Approx	imate		Unit		
No.	Pay Item		Quai	ntity		Price		Amount
MAINI I	INE SEWER							
1017 (11 421	THE SEVIER							
1	SANITARY SEWER (C							
	8-inch	0-8 feet deep	1,130	lin. ft.	<u>\$</u> \$	75.00	\$ \$	\$84,750
		8-12 feet deep	3,300	lin. ft.		87.00	\$	\$287,100
		12-16 feet deep	960	lin. ft.	\$	106.00	\$	\$101,760
		16-20 feet deep	460	lin. ft.	\$	127.00	\$	\$58,420
2	SANITARY MANHOLE	S						
_	48-inch	0-8 feet deep	4	each	\$	4,800.00	\$	\$19,200
		8-12 feet deep	8	each	\$	6,400.00	\$	\$51,200
		12-16 feet deep	3	each	\$	7,700.00	\$	\$23,100
		16-20 feet deep	1	each	\$	10,300.00	\$	\$10,300
0		IOTINIO MANULOI E						
3	CONNECTION TO EXI	STING MANHOLE	0	1	Φ.	0.000.00	Φ.	#40.000
	8-inch		3	each	\$	6,200.00	\$	\$18,600
4	TRENCH BACKFILL							
	8-inch	0-8 feet deep	1,203	lin. ft.	\$	93.00	\$	\$111,879
		8-12 feet deep	1,391	lin. ft.	\$ \$ \$	113.00	\$ \$ \$	\$157,183
		12-16 feet deep	676	lin. ft.	\$	137.00	\$	\$92,612
		16-20 feet deep	347	lin. ft.	\$	180.00	\$	\$62,460
5	TREE TUNNELING		440	lin. ft.	\$	192.00	\$	\$84,480
6	SEWER TELEVISING	EOD EINIAL INICDECT	TON					
0	SEWER TELEVISING	FOR FINAL INSPECT	5,850	lin. ft.	\$	3.00	\$	\$17,550
			3,030	IIII. IL.	φ	3.00	φ	φ17,330
7	SEWER TESTING FOR	R FINAL INSPECTION	N					
			5,850	lin. ft.	\$	3.00	\$	\$17,550
8	CULVERT REMOVAL	AND REPLACEMENT	Γ					
	15-inch		10	lin. ft.	\$	103.00	\$	\$1,030
	12-inch		185	lin. ft.	\$	81.00	\$	\$14,985
					-		<u> </u>	, , , , , , , , , , , , , , , , , , , ,
9	RESTORATION OF LA	AWNS						
	AND PARKWAYS:							
	Topsoil and sod		6,027	sq.yd.	\$	14.00	\$	\$84,378
10	RESTORATION OF ST	TREETS						
	Bit. Concrete Stree		2,018	sq.yd.	\$	64.00	\$	\$129,152
4.4								
1.1	REMOVE AND REPLA Bituminous	CE DRIVEWAYS	695	פת זיא	Ф	49.00	¢	¢ 33 360
	PCC		55	sq.yd.	<u>\$</u> \$	48.00 81.00	<u>\$</u> \$	\$33,360 \$4,455
	FUU		55	sq.yd.	Φ	01.00	Φ	Φ 4,4 55

Table 4.3-20
Downers Grove Sanitary District
Possible Special Assessment for Sanitary Sewers
Pershing-Woodward-Maple (North)
Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approx Qua			Unit Price		Amount
	•	Quu	inity			Φ.	
12	TREE REMOVAL AND TRIMMING				Lump Sum	\$	\$1,330
13	EROSION CONTROL Silt Fence				Lump Sum	\$	\$6,647
14	TRAFFIC CONTROL:				Lump Sum	\$	\$11,970
	SUBTOTAL					\$	\$1,485,451
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	842	lin. ft.	\$	50.00	\$	\$42,100
	Far side	2,286	lin. ft.	\$	50.00	\$	\$114,300
	Riser Pipes	74	vert. ft.	\$	47.00	\$	\$3,478
2	BUILDING SERVICE						
	BRANCH FITTINGS						
	Near Side	58	each	\$	554.00	\$	\$32,132
	Far side	46	each	\$	682.00	\$	\$31,372
3	BUILDING SERVICE PLUG	104	each	\$	208.00	\$	\$21,632
4	RESTORATION OF LAWNS						
	AND PARKWAYS:	0.447		φ	14.00	Φ	<u></u>
	Topsoil and sod	2,417	sq.yd.	<u>\$</u>	14.00	\$	\$33,838
5	RESTORATION OF STREETS						
	Bit. Concrete Street	562	sq.yd.	\$	63.00	\$	\$35,406
6	TRENCH BACKFILL						
	0-8 feet deep	1,090	lin. ft.	\$	62.00	\$	\$67,580
	SUBTOTAL					\$	\$381,838
	TOTAL ESTIMATE OF CONSTR	UCTION COST				\$	\$1,867,300
		Contingen	cies		(20%)		\$373,500
		Engineerin			(20%)		\$373,500
		Legal / Adr	-		(6%)		\$156,900
		Easement		on	(3,3)		\$42,800
	TOTAL OPINION OF PROBABLE	COST				\$	\$2,814,000
					Cost per lo	ot	\$27,060

Table 4.3-21

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Sherman Avenue (North)

Preliminary Design Layout

Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Sherman Avenue					
2-C-142 (existing)	734.5	726.04			8.5
UC-90	752.0	730.28	212	2.00%	21.7
110.04	740.0		400	0.40%	
UC-91	746.0	731.88	400	0.40%	14.1
UC-92	742.0	733.48	400	0.000/	8.5
UC-93	760.0	745.48	400	3.00%	14.5
			400	3.00%	
UC-94	767.0	757.48			9.5

82

Table 4.3-22

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Sherman Avenue (North)

Engineer's Opinion of Probable Construction Cost

			Approxi	mate		Unit		_
No.	Pay Item		Quan	tity		Price		Amount
	NE OEMED							
MAINLI	NE SEWER							
1	SANITARY SEWE	R (OPEN CUT)						
'	8-inch	8-12 feet deep	870	lin. ft.	\$	87.00	\$	\$75,690
	0 111011	12-16 feet deep	570	lin. ft.	\$	106.00	\$	\$60,420
		16-20 feet deep	385	lin. ft.	\$	127.00	\$ \$	\$48,895
					<u></u>		<u>-</u>	+ 10,000
2	SANITARY MANH	IOLES						
	48-inch	8-12 feet deep	2	each	\$	6,400.00	\$	\$12,800
		12-16 feet deep	2	each	\$	7,700.00	\$	\$15,400
		16-20 feet deep	1	each	\$	10,300.00	\$	\$10,300
3		EXISTING MANHO			_		_	
	8-inch		1	each	\$	6,200.00	\$	\$6,200
4	TDENOUDAOVE							
4	TRENCH BACKFI 8-inch		970	lin ff	φ	112.00	c	¢00.240
	O-IIICII	8-12 feet deep 12-16 feet deep	870 570	lin. ft. lin. ft.	\$	113.00 137.00	\$ \$ \$	\$98,310 \$78,090
		16-20 feet deep	385	lin. ft.	\$	180.00	φ	\$69,300
		10-20 leet deep	303	1111. 11.	Ψ	100.00	Ψ	ψ09,300
5	TREE TUNNELIN	G	120	lin. ft.	\$	192.00	\$	\$23,040
Ū			.20		<u>*</u>	102.00	<u>*</u>	Ψ20,010
6	SEWER TELEVIS	ING FOR FINAL INS	SPECTIO	N				
			1,825	lin. ft.	\$	3.00	\$	\$5,475
7	SEWER TESTING	FOR FINAL INSPE	CTION					
			1,825	lin. ft.	\$	3.00	\$	\$5,475
_								
8		VAL AND REPLACE			•	04.00	•	* 00.400
	12-inch		360	lin. ft.	\$	81.00	\$	\$29,160
0	RESTORATION C	NE LANAINIO						
9	AND PARKWAYS							
	Topsoil and		2 847	sq.yd.	\$	14.00	\$	\$39,858
	ropson and	30 u	2,047	sq.yu.	Ψ	14.00	Ψ	Ψ59,656
10	RESTORATION C	F STREETS						
	Bit. Concrete	Street	89	sq.yd.	\$	64.00	\$	\$5,696
				. ,		_		
11	STORM SEWER F	REMOVAL AND RE	PLACEM	ENT				
	18" RCP		20	lin. ft.	\$	0.00	\$	\$0
12	=	EPLACE DRIVEWA			_		•	
	Bituminous			sq.yd.	\$	48.00	<u>\$</u> \$	\$20,544
	Concrete		43	sq.yd.	\$	81.00	\$	\$3,483

Table 4.3-22

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Sherman Avenue (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxir Quant		Unit Price			Amount
13	TREE REMOVAL AND TRIMMING			Lump	Sum	\$	\$1,663
14	EROSION CONTROL			Lump	Sum	\$	\$665
15	TRAFFIC CONTROL			Lump	Sum	\$	\$6,650
	SUBTOTAL					\$	\$617,114
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	405 1,377	lin. ft. lin. ft.	\$	50.00 50.00	\$	\$20,250 \$68,850
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	27 27	each each	\$ \$	554.00 682.00	\$	\$14,958 \$18,414
3	BUILDING SERVICE PLUG	54	each	\$	208.00	\$	\$11,232
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	1,260	sq.yd.	\$	14.00	\$	\$17,640
5	RESTORATION OF STREETS Bit. Concrete Street	504	sq.yd.	\$	63.00	\$	\$31,752
6	TRENCH BACKFILL 0-8 feet deep	648	lin. ft.	\$	62.00	\$	\$40,176
	SUBTOTAL					\$	\$223,272
	TOTAL ESTIMATE OF CONST	RUCTION (COST			\$	\$840,400
		Contingend Engineerin Legal / Adr	g (2	0%) 0%) 6%)			\$168,100 \$168,100 \$70,600
	TOTAL OPINION OF PROBAB	LE COST				\$	\$1,247,200
					Cost per lo	ot	\$23,100

Table 4.3-23

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
Lee Avenue (North)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>			
Maple Av	<u>enue</u>								
	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 Avenue									
	2-C-149 (existing)	759.1	745.52			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			8.4			
	UC-105	774.0	765.76	400	1.80%	8.2			

Table 4.3-24

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lee Cost Estimate

Engineer's Opinion of Probable Construction Cost

Approximate Unit Price Pay Item Quantity Amount No. MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 200 lin. ft. 75.00 \$15.000 8-12 feet deep 1,250 lin. ft. \$ 87.00 \$ \$108,750 \$ 12-16 feet deep 140 lin. ft. 106.00 \$ \$14,840 16-20 feet deep lin. ft. \$ 127.00 \$ \$33,020 260 2 DIRECTIONAL DRILLING 400 8-inch lin. ft. \$ 275.00 \$ \$110,000 3 SANITARY MANHOLES 48-inch 0-8 feet deep 1 each 4.800.00 \$4.800 \$ \$ 6,400.00 8-12 feet deep 2 each \$12,800 12-16 feet deep 2 each \$ 7,700.00 \$ \$15,400 \$ 10,300.00 \$ \$10,300 16-20 feet deep each 4 CONNECTION TO EXISTING MANHOLE 2 8-inch each \$ 6,200.00 \$ \$12,400 5 TRENCH BACKFILL 8-inch 0-8 feet deep 200 lin. ft. 93.00 \$18,600 \$ \$ 8-12 feet deep 1.250 lin. ft. 113.00 \$141,250 \$ \$ 140 \$19,180 12-16 feet deep lin. ft. 137.00 16-20 feet deep 260 lin. ft. \$ 180.00 \$ \$46,800 6 TREE TUNNELING lin. ft. \$ \$ \$0 0 192.00 7 SEWER TELEVISING FOR FINAL INSPECTION 2,250 lin. ft. \$ 3.00 \$6,750 8 SEWER TESTING FOR FINAL INSPECTION 2.250 lin. ft. \$ 3.00 \$ \$6,750 9 CULVERT REMOVAL AND REPLACEMENT 12-inch 55 lin. ft. \$ 81.00 \$4.455 10 STORM SEWER REMOVAL AND REPLACEMENT 18" RCP 20 lin. ft. \$ 0.00 \$ \$0 11 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 457 sq.yd. 14.00 \$6,398 12 RESTORATION OF STREETS Bit. Concrete Street 1,678 sq.yd. \$ 64.00 \$ \$107,392

Table 4.3-24 Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Lee Cost Estimate **Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approxir Quant			Unit Price		Amount
40	DEMOVE AND DEDI AGE DOW						
13	REMOVE AND REPLACE DRIVE Bituminous		sq.yd.	\$	48.00	\$	\$34,128
	Concrete		sq.yd. sq.yd.	<u>\$</u> \$	81.00	<u>\$</u> \$	\$14,418
14	TREE REMOVAL AND TRIMMIN	G:		Lump	Sum	\$	\$665
15	EROSION CONTROL			Lump	Sum	\$	\$665
16	TRAFFIC CONTROL			Lump	Sum	\$	\$9,975
	SUBTOTAL					\$	\$754,736
SERVIC	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	522	lin. ft.	\$	50.00	\$	\$26,100
	Far side	1,200	lin. ft.	\$	50.00	\$	\$60,000
2	BUILDING SERVICE						
2	BRANCH FITTINGS						
	Near Side	29	each	\$	554.00	\$	\$16,066
	Far side	25	each	\$ \$	682.00	\$	\$17,050
3	BUILDING SERVICE PLUG	54	each	\$	208.00	\$	\$11,232
4	RESTORATION OF LAWNS						
7	AND PARKWAYS						
	Topsoil and sod	1,156	sq.yd.	\$	14.00	\$	\$16,184
5	RESTORATION OF STREETS						
5	Bit. Concrete Street	422	sq.yd.	\$	63.00	\$	\$26,586
			- 4-7	<u>*</u>		<u>*</u>	+,
6	TRENCH BACKFILL	005	U 60	Φ.	00.00	Φ.	\$00.750
	0-8 feet deep	625	lin. ft.	\$	62.00	\$	\$38,750
	SUBTOTAL					\$	\$211,968
	TOTAL ESTIMATE OF CON-	STRUCTIO	N COST			\$	\$966,700
		Contingono	ion (2	00/.)			¢102 200
		Contingenc Engineering	•	0%) 0%)			\$193,300 \$193,300
		Legal / Adm		6%)			\$81,200
		Easement <i>A</i>	•	•			\$14,600
	TOTAL OPINION OF PROB	ABLE COST	Г			\$	\$1,449,100
					Cost per lo	ot	\$26,840

Table 4.3-25

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Downers Grove Gardens Sub-Area

Cost Summary

37 72 25 52	31 57 0	\$ \$ \$	1,299,200 2,446,900	\$ \$	19,110 18,970
25 52	0			\$	19 070
52	_	\$	007.000		10,970
	0		627,900	\$	25,120
	0	\$	1,232,200	\$	23,700
32	32	\$	1,180,700	\$	18,450
11	7	\$	324,300	\$	18,020
20	19	\$	742,000	\$	19,030
5	9	\$	312,900	\$	22,350
33	19	\$	1,464,100	\$	28,160
58	46	\$	2,814,000	\$	27,060
27	27	\$	1,247,200	\$	23,100
29	25	\$	1,449,100	\$	26,840
401	272	\$	15,140,500	\$	22,500
	5 33 58 27 29	5 9 33 19 58 46 27 27 29 25	5 9 \$ 33 19 \$ 58 46 \$ 27 27 \$ 29 25 \$	5 9 \$ 312,900 33 19 \$ 1,464,100 58 46 \$ 2,814,000 27 27 \$ 1,247,200 29 25 \$ 1,449,100 401 272 \$ 15,140,500	5 9 \$ 312,900 \$ 33 19 \$ 1,464,100 \$ 58 46 \$ 2,814,000 \$ 27 27 \$ 1,247,200 \$ 29 25 \$ 1,449,100 \$ 401 272 \$ 15,140,500 \$

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 cost-effective sanitary sewer plan for serving properties along Fairhaven Court.

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

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

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

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

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

The sewer should be placed in an easement on east side of Fairhaven Court. Previous studies have planned for the sewer to be installed east of the edge of pavement. Our field investigation determined that there is a significant amount of new landscaping, brickwork, lighting, and concrete driveways located in the proposed sewer path. Thus, we recommend that the sewer be installed in the east half of the pavement, opposite of the existing water main which is located west of the pavement centerline. Table 4.4-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.4-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$387,200, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.4

FAIRHAVEN COURT POSSIBLE SEWER ALIGNMENT

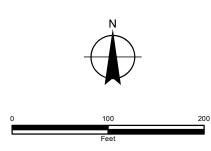
MARCH 2021

LEGEND

PROPOSED MANHOLESPROPOSED SEWERSEXISTING MANHOLES

EXISTING SEWERS

PARCEL BOUNDARIES
FAIRHAVEN COURT





\\corp.baxwood.com\\Projects\\Crystal Lake\\DGSD1\\200407-2020 UAP\\GIS\\MXDs\\4-4 Fairhaven_Ct.mxd 563dbs - 3 /74 /7020

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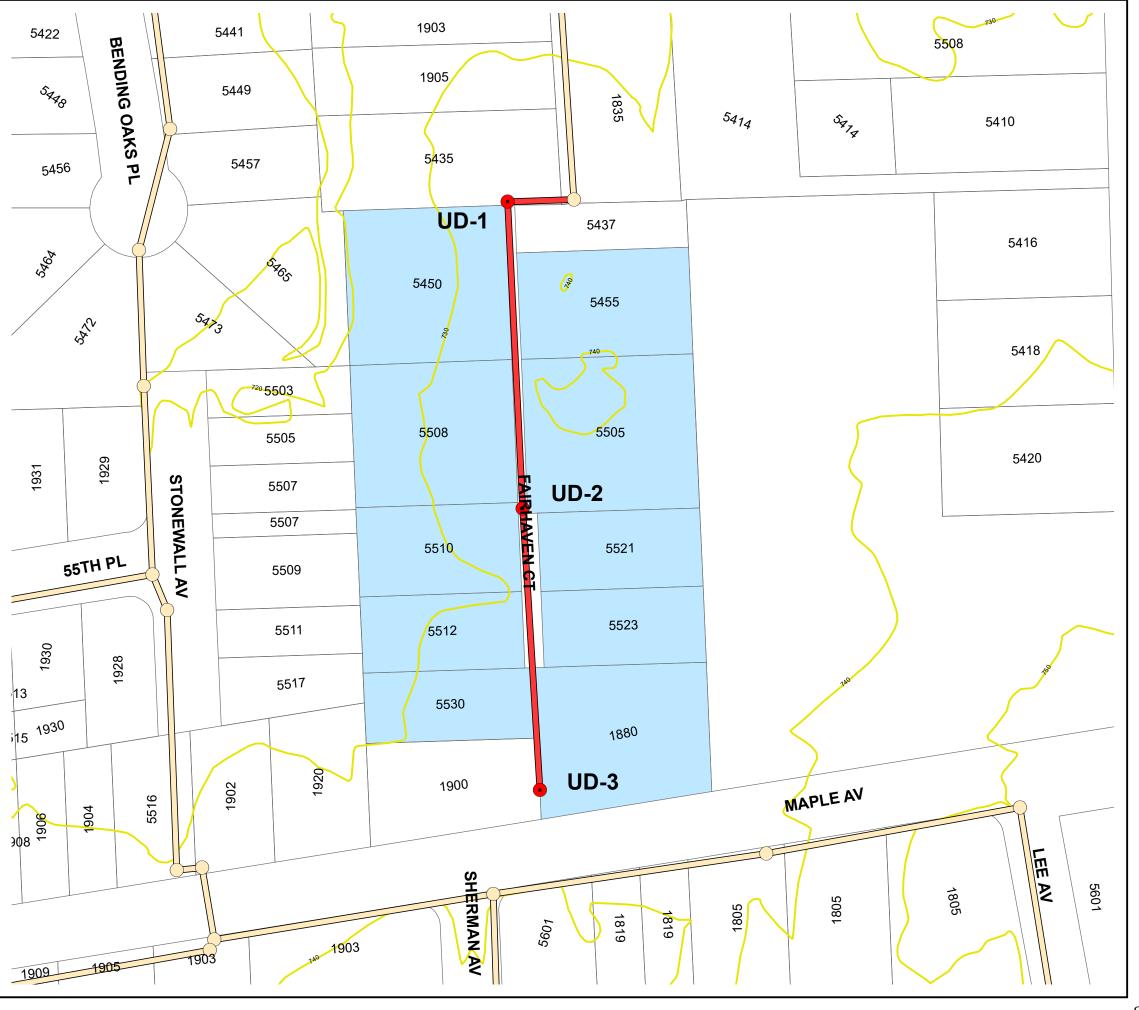


Table 4.4-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairhaven Court

Preliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Fairhaven Court					
2-C-133 (existing)	736.0	723.00			13.0
UD-1	734.0	723.24	60	0.40%	10.8
UD-2	724.0	704.04	320	0.50%	0.2
0D-2	734.0	724.84	290	0.50%	9.2
UD-3	735.0	726.29			8.7

Table 4.4-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairhaven Court

Engineer's Opinion of Probable Construction Cost

			Approximate		Unit			
No.	Pay Item		Quantit	У		Price		Amount
MAINLI	NE SEWER							
1	SANITARY SEWER 8-inch	R (OPEN CUT) 8-12 feet deep	670	lin. ft.	\$	87.00	\$	\$58,290
2	SANITARY MANHO 48-inch	DLES 8-12 feet deep	3	each	\$	6,400.00	\$	\$19,200
3	CONNECTION TO 8-inch	EXISTING MANHOI	LE 1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFIL 8-inch	L 8-12 feet deep	630	lin. ft.	\$	113.00	\$	\$71,190
5	TREE TUNNELING		0	lin. ft.	\$	192.00	\$	\$0
6	SEWER TELEVISIN	NG FOR FINAL INSF	PECTION 670	lin. ft.	\$	3.00	\$	\$2,010
7	SEWER TESTING	FOR FINAL INSPEC	CTION 670	lin. ft.	\$	3.00	\$	\$2,010
8	CULVERT REMOV. 12-inch	AL AND REPLACEN	MENT 0	lin. ft.	\$	81.00	\$	\$0
9	RESTORATION OF AND PARKWAYS: Topsoil and so		111	sq.yd.	\$	14.00	\$	\$1,554
10	RESTORATION OF Bit. Concrete S		560	sq.yd.	\$	64.00	\$	\$35,840
11	REMOVE AND REF Bituminous	PLACE DRIVEWAYS	0	sq.yd.	\$	48.00	\$	\$0
12	TREE REMOVAL A	ND TRIMMING			Lum	np Sum	\$	\$333
13	EROSION CONTRO	DL			Lum	np Sum	\$	\$333

Table 4.4-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairhaven Court

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxim Quantit			Unit Price		Amount
INU.	ray item	Quantil	<u>y</u>		FIICE		Amount
14	TRAFFIC CONTROL			Lum	ıp Sum	\$	\$6,650
	SUBTOTAL					\$	\$203,609
SERVI	CE LATERALS						
1	BUILDING SERVICE LINES						
	Near side	100	lin. ft.	<u>\$</u> \$	50.00	<u>\$</u>	\$5,000
	Far side	125	lin. ft.	\$	50.00	\$	\$6,250
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	5	each	<u>\$</u> \$	554.00	<u>\$</u> \$	\$2,770
	Far side	5	each	\$	682.00	\$	\$3,410
3	BUILDING SERVICE PLUG	10	each	\$	208.00	\$	\$2,080
4							
	AND PARKWAYS:	400		Φ.	44.00	Φ	#4.040
	Topsoil and sod	139	sq.yd.	\$	14.00	\$	\$1,946
5	RESTORATION OF STREETS						
	Bit. Concrete Street	33	sq.yd.	\$	63.00	\$	\$2,079
6	TRENCH BACKFILL						
	0-8 feet deep	70	lin. ft.	\$	62.00	\$	\$4,340
	SUBTOTAL					\$	\$27,875
	TOTAL ESTIMATE OF CONS	STRUCTION CC	ST			\$	\$231,500
		Contingencies	. (2	0%)			\$46,300
		Engineering	•	0%)			\$46,300
		Legal / Admin		6%)			\$19,400
		Easement Ac	quisition				\$43,700
	TOTAL OPINION OF PROBA	BLE COST				\$	\$387,200
					Cost per lo	ot	\$38,720

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.

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
Morton and Downers	39	Table 4.5-1	Table 4.5-2
40 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)	<i>Table 4.5-13</i>	<i>Table 4.5-14</i>
Virginia Avenue (West)	6	Table 4.5-15	Table 4.5-16
Lacey-Carol-Northcott	1	Table 4.5-17	Table 4.5-18
Lacey and Janet	14	Table 4.5-19	Table 4.5-20
Ogden-Lacey-Grant-Lee (South)	18	Table 4.5-21	Table 4.5-22

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

The Morton and Downers sub-basin sewer plan follows the existing topography which falls from the intersection of Downers and Janet northwest to the creek crossing near Morton and I-88. In general, the sewer alignment on each street should be on the east side of the right-of-way because of the existing water main on the west side of the right-of-way. The existing sewer stub located at Herbert and Downers is too shallow to serve the subject area. The only feasible connection point is the trunk sewer located southeast of I-88. The sewer on Downers should extend west to Morton in a side yard easement along the creek north of 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 \$1,380,300, 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 \$601,700, 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 \$421,700, 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 \$1,138,900, 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 \$921,700, 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 \$370,300, 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 \$150,000, 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 \$68,100, 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 \$304,800, 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 \$2,485,800, including contingency, engineering, easements, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.5

BURLINGTON HIGHLANDS POSSIBLE SEWER ALIGNMENT

MARCH 2021

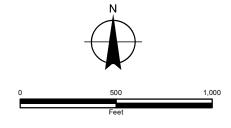
LEGEND

- 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
- VENARD ROAD (SOUTH); TABLES 4.5-13, 4.5-14 VIRGINIA AVENUE (WEST); TABLES 4.5-15, 4.5-16

BELLE AIRE AND VENARD; TABLES 4.5-9, 4.5-10

VENARD ROAD (NORTH); TABLES 4.5-11, 4.5-12

- LACEY-CAROL-NORTHCOTT; TABLES 4.5-17, 4.5-18
- LACEY AND JANET; TABLES 4.5-19, 4.5-20
- OGDEN-LACEY-GRANT-LEE (SOUTH); TABLES 4.5-21, 4.5-22





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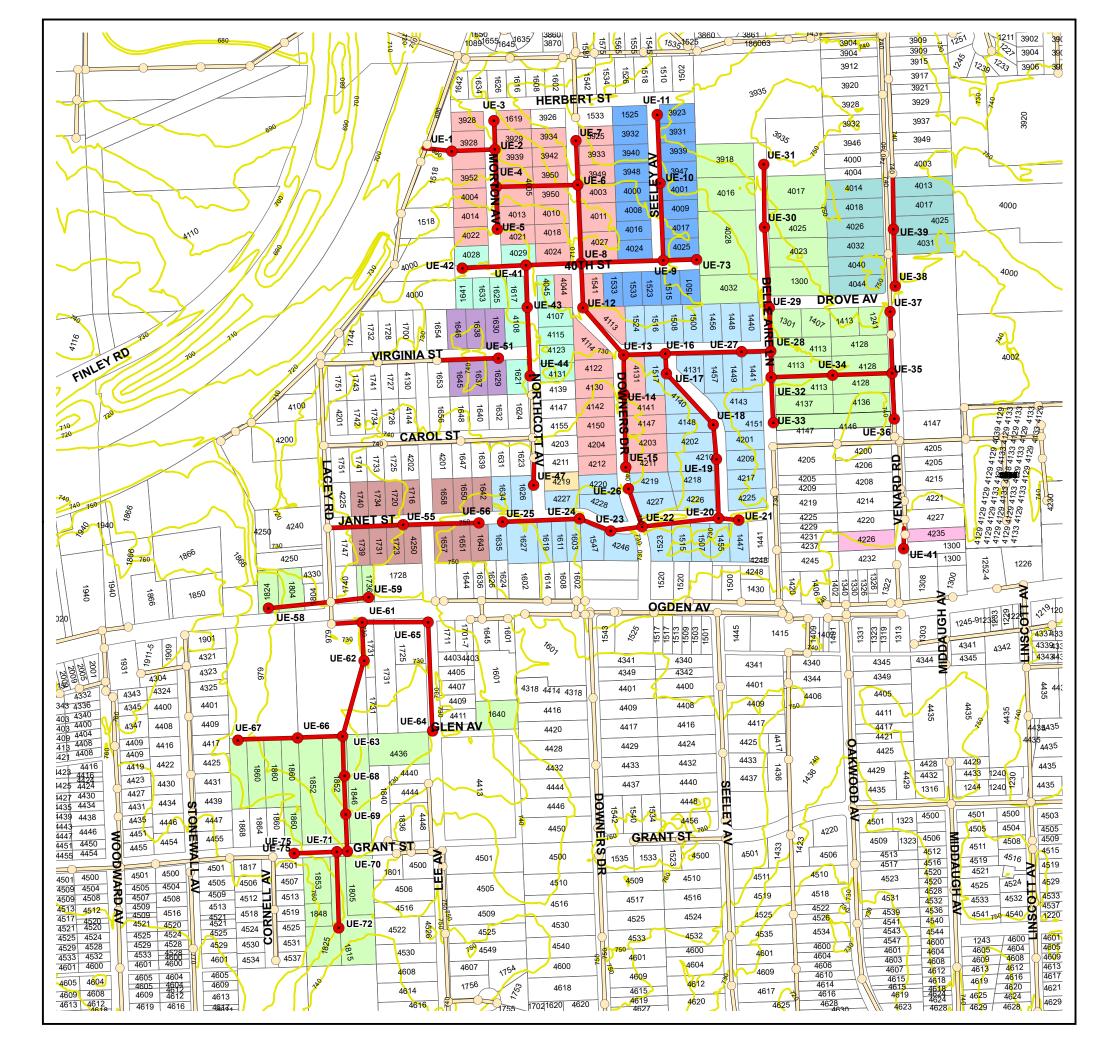


Table 4.5-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Morton and Downers

Preliminary Design Layout

Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Morton Avenue					
N-2-001 existing	690.2	685.00	400	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
	720.0	707.43			12.0
<u>Downers Drive</u>					
UE-6	716.0	698.45	400	2.00%	17.6
UE-7	724.0	710.95	250	5.00%	13.1
UE-8	713.5	704.45	400	1.50%	9.0
UE-12	719.5	709.45	250	2.00%	10.1
UE-13	729.0	714.25	320	1.50%	14.8
			180	3.00%	
UE-14	738.0	719.65	400	2.50%	18.4
UE-15	741.0	729.65			11.4

99

No.	Pay Item		Approximate Quantity		Unit Price		Amount
NO.	ray itelli		Quai	ility		FIICE	Amount
MA	INLINE SEWER						
1	SANITARY SEWER (O	PEN CUT)					
	8-inch	0-8 feet deep	100	lin. ft.	\$	75.00	\$ \$7,500
		8-12 feet deep	1,295	lin. ft.	\$	87.00	\$ \$112,665
		12-16 feet deep	1,485	lin. ft.	\$	106.00	\$ \$157,410
		16-20 feet deep	235	lin. ft.	\$	127.00	\$ \$29,845
2	SANITARY MANHOLE	S					
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$ \$0
		8-12 feet deep	6	each	\$	6,400.00	\$ \$38,400
		12-16 feet deep	4	each	\$	7,700.00	\$ \$30,800
		16-20 feet deep	2	each	\$	10,300.00	\$ \$20,600
3	CONNECTION TO EXI	STING MANHOLE					
	8-inch		1	each	\$	6,200.00	\$ \$6,200
4	TRENCH BACKFILL						
•	8-inch	0-8 feet deep	0	lin. ft.	\$	93.00	\$ \$0
		8-12 feet deep	165	lin. ft.	\$	113.00	\$ \$18,645
		12-16 feet deep	520	lin. ft.	\$	137.00	\$ \$71,240
		16-20 feet deep	60	lin. ft.	\$	180.00	\$ \$10,800
5	TREE TUNNELING		110	lin. ft.	\$	192.00	\$ \$21,120
6	AUGER UNDER EXIST	TING BOX CULVERT	20	lin. ft.	\$	477.00	\$ \$9,540
7	SEWER TELEVISING	FOR FINAL INSPECTION	3,115	lin. ft.	\$	3.00	\$ \$9,345
8	SEWER TESTING FOR	R FINAL INSPECTION	3,115	lin. ft.	\$	3.00	\$ \$9,345
9	CULVERT REMOVAL A	AND REPLACEMENT	160	lin. ft.	\$	81.00	\$ \$12,960
10	RESTORATION OF LA	WNS AND PARKWAYS					
	Topsoil and sod		5,000	sq.yd.	\$	14.00	\$ \$70,000
11	RESTORATION OF ST	REETS					
	Bit. Concrete Stree	et	85	sq.yd.	\$	64.00	\$ \$5,440
	PCC Sidewalk		2,500	sq. ft	\$	13.00	\$ \$32,500
12	REMOVE AND REPLA	CE DRIVEWAYS					
	Bituminous		230	sq.yd.	\$	48.00	\$ \$11,040
	Concrete		120	sq.yd.	\$	81.00	\$ \$9,720

Table 4.5-2

Downers Grove Sanitary District

Proposed Special Assessment

Morton and Downers

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approx Quai		Unit Price		Amount
13	TREE REMOVAL AND TRIMMING:			Lump Sum		\$19,950
14	EROSION CONTROL:			Lump Sum	\$	\$13,300
15	TRAFFIC CONTROL:			Lump Sum	\$	\$13,300
	SUBTOTAL				\$	\$741,665
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side Riser Pipes	320 950 75	lin. ft. lin. ft. vert. ft.	\$ 50.00 \$ 50.00 \$ 47.00	\$ \$ \$	\$16,000 \$47,500 \$3,525
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	20 19	each each	\$ 554.00 \$ 682.00	\$	\$11,080 \$12,958
3	BUILDING SERVICE PLUG:	39	each	\$ 208.00	\$	\$8,112
4	RESTORATION OF LAWNS AND PARKW Topsoil and sod	AYS 490	sq.yd.	\$ 14.00	\$	\$6,860
5	RESTORATION OF STREETS: Bit. Concrete Street	340	sq.yd.	\$ 63.00	\$	\$21,420
6	TRENCH BACKFILL 8-12 feet deep	600	lin. ft.	\$ 83.00	\$	\$49,800
	SUBTOTAL				\$	\$177,255
	TOTAL ESTIMATE OF CONSTRUCTION COST					\$918,900
	Contingencies (20%) Engineering (20%) Legal / Admin (6%) Easement Acquisition					\$183,800 \$183,800 \$77,200 \$16,600
TOTAL OPINION OF PROBABLE COST					\$	\$1,380,300
Cost per lot						\$35,390

Table 4.5-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
40th and Seely (North)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
40th Place						
	UE-8	713.5	704.45	405	0.700/	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	<u>ue</u>					
				400	2.00%	
	UE-10	725.0	715.43	335	3.00%	9.6
	UE-11	736.0	725.48	230	2.2070	10.5

	Pay Item		Approximate		Unit		
No.			Quan	tity		Price	Amount
MA	INLINE SEWER						
1	SANITARY SEWER (O	PEN CUT)					
•	8-inch	0-8 feet deep	80	lin. ft.	\$	75.00	\$ \$6,000
		8-12 feet deep	1,240	lin. ft.	\$	87.00	\$ \$107,880
2	SANITARY MANHOLE	S					
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$ \$0
		8-12 feet deep	4	each	\$	6,400.00	\$ \$25,600
3	CONNECTION TO EXI	STING MANHOLE					
	8-inch		1	each	\$	6,200.00	\$ \$6,200
4	TRENCH BACKFILL						
•	8-inch	0-8 feet deep	50	lin. ft.	\$	93.00	\$ \$4,650
		8-12 feet deep	402	lin. ft.	\$	113.00	\$ \$45,426
5	TREE TUNNELING		80	lin. ft.	\$	192.00	\$ \$15,360
6	SEWER TELEVISING I	FOR 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	AND REPLACEMENT					
Ü	12-inch	THE PRESENTATION OF THE PR	188	lin. ft.	\$	81.00	\$ \$15,228
9		WNS AND PARKWAYS					
	Topsoil and sod		1,895	sq.yd.	\$	14.00	\$ \$26,530
10	RESTORATION OF ST	REETS					
	Bit. Concrete Stree	t	20	sq.yd.	\$	64.00	\$ \$1,280
11	REMOVE AND REPLA	CE DRIVEWAYS					
	Bituminous		126	sq.yd.	\$	48.00	\$ \$6,048
	Concrete		0	sq.yd.	\$	81.00	\$ \$0
12	TREE REMOVAL AND	TRIMMING:			Lui	mp Sum	\$ \$665

No.	Pay Item	Approxi Quan		Unit Price		Amount
13	EROSION CONTROL:			Lump Sum	\$	\$665
14	TRAFFIC CONTROL:			Lump Sum	\$	\$6,650
	SUBTOTAL				\$	\$276,102
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	378 1,008	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$ \$	\$18,900 \$50,400
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	9 12	each each	\$ 554.00 \$ 682.00	\$ \$	\$4,986 \$8,184
3	BUILDING SERVICE PLUG:	21	each	\$ 208.00	\$	\$4,368
4	RESTORATION OF LAWNS AND PARKWATOPSoil and sod	AYS 500	sq.yd.	\$ 14.00	\$	\$7,000
5	RESTORATION OF STREETS: Bit. Concrete Street	168	sq.yd.	\$ 63.00	\$	\$10,584
6	TRENCH BACKFILL 8-12 feet deep	300	lin. ft.	\$ 83.00	\$	\$24,900
	SUBTOTAL				\$	\$129,322
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST			\$	\$405,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$81,100 \$81,100 \$34,100
	TOTAL OPINION OF PROBABLE COS	ST			\$	\$601,700
				Cost per lot		\$28,650

Table 4.5-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
40th and Northcott

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
40th Place						
	UE-8	713.5	704.45			9.0
	UE-41	721.0	710.05	280	2.00%	10.9
	UE-42	729.0	716.05	300	2.00%	12.9
Northcott A	_					
NOTHICOLL F	<u>tvenue</u>			250	1.00%	
	UE-43	725.0	712.55	350	2.00%	12.4
	UE-44	731.0	719.55	23.0	=:5070	11.4

Table 4.5-6

Downers Grove Sanitary District

Proposed Special Assessment

40th and Northcott

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approxi Quan			Unit Price		Amount
	•		•					
MA	INLINE SEWER							
1	SANITARY SEWER (O	PEN CUT)						
	8-inch	0-8 feet deep	15	lin. ft.	\$	75.00	\$	\$1,125
		8-12 feet deep	1,025	lin. ft.	\$	87.00	\$	\$89,175
		12-16 feet deep	140	lin. ft.	\$	106.00	\$	\$14,840
2	SANITARY MANHOLE	S						
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$	\$0
		8-12 feet deep	4	each	\$	6,400.00	\$	\$25,600
		12-16 feet deep	0	each	\$	7,700.00	\$	\$0
3	CONNECTION TO EXI	STING MANHOLE						
	8-inch		1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL							
4	8-inch	0-8 feet deep	0	lin. ft.	\$	93.00	\$	\$0
	•	8-12 feet deep	239	lin. ft.	\$	113.00	\$ \$	\$27,007
		12-16 feet deep	15	lin. ft.	\$	137.00	\$	\$2,055
5	TREE TUNNELING		50	lin. ft.	\$	192.00	\$	\$9,600
6	SEWER TELEVISING	FOR FINAL INSPECTION	1,180	lin. ft.	\$	3.00	\$	\$3,540
7	SEWER TESTING FOR	R FINAL INSPECTION	1,180	lin. ft.	\$	3.00	\$	\$3,540
8	CULVERT REMOVAL	AND REPLACEMENT						
	12-inch		30	lin. ft.	\$	81.00	\$	\$2,430
9		WNS AND PARKWAYS						
	Topsoil and sod		1,692	sq.yd.	\$	14.00	\$	\$23,688
10	RESTORATION OF ST	REETS						
	Bit. Concrete Stree	et	39	sq.yd.	\$	64.00	\$	\$2,496
	PCC Sidewalk		0	sq. ft.	\$	13.00	\$	\$0
11	REMOVE AND REPLA	CE DRIVEWAYS						
	Bituminous		29	sq.yd.	\$	48.00	\$	\$1,392
	Concrete		0	sq.yd.	\$	81.00	\$ \$	\$0
12	TREE REMOVAL AND	TRIMMING:			Lu	mp Sum	\$	\$665

Table 4.5-6

Downers Grove Sanitary District

Proposed Special Assessment

40th and Northcott

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approximate Quantity			Amount
13	EROSION CONTROL:			Lump Sum	\$	\$665
14	TRAFFIC CONTROL:			Lump Sum	\$	\$5,985
	SUBTOTAL				\$	\$220,003
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	75 459	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	<u>\$</u>	\$3,750 \$22,950
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	5 9	each each	\$ 554.00 \$ 682.00	\$ \$	\$2,770 \$6,138
3	BUILDING SERVICE PLUG:	14	each	\$ 208.00	\$	\$2,912
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	281	sq.yd.	\$ 14.00	\$	\$3,934
5	RESTORATION OF STREETS: Bit. Concrete Street	132	sq.yd.	\$ 63.00	\$	\$8,316
6	TRENCH BACKFILL 0-8 feet deep	216	lin. ft.	\$ 62.00	\$	\$13,392
	SUBTOTAL				\$	\$64,162
	TOTAL ESTIMATE OF CONSTRUCTION	COST			\$	\$284,200
		ontingencies Engineering egal / Admin	(20%) (20%) (6%)			\$56,800 \$56,800 \$23,900
	TOTAL OPINION OF PROBABLE COST				\$	\$421,700
				Cost per lot		\$30,120

Table 4.5-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Virginia-Seeley-Janet-Downers

Preliminary Design Layout

<u>Mar</u>	nhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Virginia Street						
	UE-13	729.0	714.25	000	0.400/	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
	UE-19	727.0	717.59	190	0.40%	9.4
	UE-20	728.0	718.87	320	0.40%	9.1
Janet Street						• • •
<u>odnot Gtroot</u>				100	1.00%	
	UE-21	730.0	719.87	400	0.40%	10.1
	UE-22	730.0	720.47			9.5
	UE-23	736.0	722.07	160	1.00%	13.9
	UE-24	740.0	726.57	150	3.00%	13.4
	UE-25	752.0	738.57	400	3.00%	13.4
Downers Drive						
	UE-26	736.0	722.97	250	1.00%	13.0

			Approximate			Unit		
No.	Pay Item		Quar	ntity		Price		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (O 8-inch	PEN CUT) 0-8 feet deep	720	lin. ft.	\$	75.00	\$	\$54,000
	o mon	8-12 feet deep	2,460	lin. ft.	\$	87.00	\$	\$214,020
2	SANITARY MANHOLES				_		_	
	48-inch	0-8 feet deep 8-12 feet deep	4 9	each each	\$ \$	4,800.00 6,400.00	\$ \$	\$19,200 \$57,600
3	CONNECTION TO EXI	STING MANHOLE						
	8-inch		1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL 8-inch	0-8 feet deep	86	lin. ft.	\$	93.00	\$	\$7,998
		8-12 feet deep	796	lin. ft.	\$	113.00	\$	\$89,948
5	TREE TUNNELING		90	lin. ft.	\$	192.00	\$	\$17,280
6	SEWER TELEVISING F	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 A 12-inch	AND REPLACEMENT	205	lin. ft.	\$	81.00	\$	\$16,605
9	RESTORATION OF LA Topsoil and sod	WNS AND PARKWAYS	4,312	sq.yd.	\$	14.00	\$	\$60,368
10	RESTORATION OF ST Bit. Concrete Stree		109	sq.yd.	\$	64.00	\$	\$6,976
	PCC Sidewalk		50	sq. ft.	\$	13.00	\$	\$650
11	REMOVE AND REPLA Bituminous Concrete	CE DRIVEWAYS	268 0	sq.yd. sq.yd.	\$	48.00 81.00	\$ \$	\$12,864 \$0
12	TREE REMOVAL AND	TRIMMING:			Lui	mp Sum	\$	\$1,330

No.	Pay Item	Approx Quar			Jnit Price		Amount
13	EROSION CONTROL:			Lump	Sum	\$	\$1,330
14	TRAFFIC CONTROL:			Lump	Sum	\$	\$13,300
	SUBTOTAL					\$	\$598,749
SEI	RVICE LATERALS						
1	BUILDING SERVICE LINES Near side Far side	375 918	lin. ft. lin. ft.	\$ \$	50.00	\$ \$	\$18,750 \$45,900
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	25 18	each each		554.00 682.00	\$ \$	\$13,850 \$12,276
3	BUILDING SERVICE PLUG:	43	each	\$	208.00	\$	\$8,944
4	RESTORATION OF LAWNS AND PARKWAY Topsoil and sod	'S 878	sq.yd.	\$	14.00	\$	\$12,292
5	RESTORATION OF STREETS: Bit. Concrete Street	252	sq.yd.	\$	63.00	\$	\$15,876
6	TRENCH BACKFILL 8-12 feet deep	486	lin. ft.	\$	83.00	\$	\$40,338
7	REMOVE AND REPLACE DRIVEWAYS Bituminous	10	sq. yd.	\$	47.00	\$	\$470
	SUBTOTAL					\$	\$168,696
	TOTAL ESTIMATE OF CONSTRUCTION	I COST				\$	\$767,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				\$153,500 \$153,500 \$64,500
	TOTAL OPINION OF PROBABLE COST					\$	\$1,138,900
				Cos	t per lot		\$26,490

Table 4.5-9

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Belle Aire and Venard

Preliminary Design Layout

-	- ,					Manhole
<u>Ma</u>	anhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	<u>Depth</u>
Belle Aire Lan	<u>e</u>					
	UE-28	728.0	717.31	235	0.80%	10.7
	UE-29	732.0	719.19			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
				280	2.00%	
	UE-33	736.0	723.43			12.6
Backyard Eas	<u>ement</u>			330	0.40%	
	UE-34	730.0	719.15			10.9
	UE-35	735.0	721.71	320	0.80%	13.3
Venard Road						
				270	2.00%	
	UE-36	738.0	727.11			10.9
	UE-37	738.0	727.71	300	2.00%	10.3

Table 4.5-10

Downers Grove Sanitary District

Proposed Special Assessment

Belle Aire and Venard

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approx Quar			Unit Price		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (OF 8-inch	PEN CUT) 0-8 feet deep 8-12 feet deep	150 2,475	lin. ft. lin. ft.	\$	75.00 87.00	\$	\$11,250 \$215,325
2	SANITARY MANHOLES 48-inch	0-8 feet deep 8-12 feet deep	0	each each	\$ \$	4,800.00 6,400.00	\$	\$0 \$57,600
3	CONNECTION TO EXIS 8-inch	TING MANHOLE	1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL 8-inch	0-8 feet deep 8-12 feet deep	0 758	lin. ft. lin. ft.	\$ \$	93.00 113.00	\$	\$0 \$85,654
5	TREE TUNNELING		90	lin. ft.	\$	192.00	\$	\$17,280
6	SEWER TELEVISING F	OR FINAL INSPECTION	2,625	lin. ft.	\$	3.00	\$	\$7,875
7	SEWER TESTING FOR	FINAL INSPECTION	2,625	lin. ft.	\$	3.00	\$	\$7,875
8	CULVERT REMOVAL A 12-inch	ND REPLACEMENT	20	lin. ft.	\$	81.00	\$	\$1,620
9	RESTORATION OF LAV Topsoil and sod	VNS AND PARKWAYS	3,536	sq.yd.	\$	14.00	\$	\$49,504
10	RESTORATION OF STE Bit. Concrete Street PCC Sidewalk		530 50	sq.yd. sq. ft.	\$ \$	64.00 13.00	\$	\$33,920 \$650
11	REMOVE AND REPLACE Bituminous Concrete	E DRIVEWAYS	167 15	sq.yd. sq.yd.	\$ \$	48.00 81.00	\$ \$	\$8,016 \$1,215
12	TREE REMOVAL AND	TRIMMING:			Lun	np Sum	\$	\$16,625
13	EROSION CONTROL:				Lun	np Sum	\$	\$9,975

Table 4.5-10

Downers Grove Sanitary District

Proposed Special Assessment

Belle Aire and Venard

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approx Quar			Unit Price		Amount
14	TRAFFIC CONTROL:			Lun	np Sum	\$	\$9,975
	SUBTOTAL					\$	\$540,559
SEI	RVICE LATERALS						
1	BUILDING SERVICE LINES Near side Far side	225 306	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	\$11,250 \$15,300
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	15 6	each each	\$	554.00 682.00	\$ \$	\$8,310 \$4,092
3	BUILDING SERVICE PLUG:	21	each	\$	208.00	\$	\$4,368
4	RESTORATION OF LAWNS AND PARKW Topsoil and sod	AYS 367	sq.yd.	\$	14.00	\$	\$5,138
5	RESTORATION OF STREETS: Bit. Concrete Street	84	sq.yd.	\$	63.00	\$	\$5,292
6	TRENCH BACKFILL 0-8 feet deep	162	lin. ft.	\$	62.00	\$	\$10,044
	SUBTOTAL					\$	\$63,794
	TOTAL ESTIMATE OF CONSTRUCTI	ON COST				\$	\$604,400
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) isition				\$120,900 \$120,900 \$50,800 \$24,700
	TOTAL OPINION OF PROBABLE CO	ST				\$	\$921,700
				C	Cost per lot		\$43,890

Table 4.5-11

Possible Special Assessment for Sanitary Sewers
Burlington Highlands
Venard Road (North)

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Venard Ro	<u>oad</u>					
	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	500	0.4070	9.4

	Б. "		Approx			Unit		•
No.	Pay Item		Quar	itity		Price		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (O 8-inch	0-8 feet deep	150	lin. ft.	\$	75.00	\$	\$11,250
		8-12 feet deep	450	lin. ft.	\$	87.00	\$	\$39,150
2	SANITARY MANHOLES	S						
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$	\$0
		8-12 feet deep	2	each	\$	6,400.00	\$	\$12,800
3	CONNECTION TO EXIST	STING MANHOLE	1	each	\$	6,200.00	\$	\$6,200
					•			, , , , , ,
4	TRENCH BACKFILL 8-inch	0-8 feet deep	150	lin. ft.	¢	93.00	Ф	\$13,950
	O-IIICII	8-12 feet deep	450	lin. ft.	<u>\$</u> \$	113.00	<u>\$</u> \$	\$50,850
		•						
5	TREE TUNNELING		0	lin. ft.	\$	192.00	\$	\$0
6	SEWER TELEVISING F	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.	\$	81.00	\$	\$3,240
9		WNS AND PARKWAYS						
	Topsoil and sod		1,333	sq.yd.	\$	14.00	\$	\$18,662
10	RESTORATION OF ST	REETS						
	Bit. Concrete Stree	t	0	sq.yd.	\$	64.00	\$	\$0
	PCC Sidewalk		2,000	sq. ft.	\$	13.00	\$	\$26,000
11	REMOVE AND REPLA	CE DRIVEWAYS						
	Bituminous		142	sq.yd.	\$	48.00	<u>\$</u>	\$6,816
	Concrete		27	sq.yd.	\$	81.00	<u></u>	\$2,187
12	TREE REMOVAL AND	TRIMMING:			Lui	mp Sum	\$	\$333
13	EROSION CONTROL:				Lui	mp Sum	\$	\$333

Table 4.5-12

Downers Grove Sanitary District

Proposed Special Assessment

Venard Road (North)

Engineer's Opinion of Probable Construction Cost

		Approx		Unit		
No.	Pay Item	Quar	ntity	Price		Amount
14	TRAFFIC CONTROL:			Lump Sum	\$	\$8,645
	SUBTOTAL				\$	\$204,015
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	60 306	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$ \$	\$3,000 \$15,300
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4	each each	\$ 554.00 \$ 682.00	\$ \$	\$2,216 \$4,092
3	BUILDING SERVICE PLUG:	10	each	\$ 208.00	\$	\$2,080
4	RESTORATION OF LAWNS AND PARKW Topsoil and sod	AYS 244	sq.yd.	\$ 14.00	\$	\$3,416
5	RESTORATION OF STREETS: Bit. Concrete Street	84	sq.yd.	\$ 63.00	\$	\$5,292
6	TRENCH BACKFILL 0-8 feet deep	162	lin. ft.	\$ 62.00	\$	\$10,044
	SUBTOTAL				\$	\$45,440
	TOTAL ESTIMATE OF CONSTRUCTI	ON COST			\$	\$249,500
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			\$49,900 \$49,900 \$21,000
	TOTAL OPINION OF PROBABLE COS	ST			\$	\$370,300
				Cost per lot		\$37,030

Table 4.5-13

Possible Special Assessment for Sanitary Sewers
Burlington Highlands
Venard Road (South)

Preliminary Design Layout

Manhole NumberRimInvertLength (ft)SlopeDepth

(Sanitary sewers are available as of March 2018.)

Table 4.5-14 Downers Grove Sanitary District Proposed Special Assessment Venard Road (South) Engineer's Opinion of Probable Construction Cost

March 2021

·		Approximate	Unit	_
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2018.)

Table 4.5-14 Downers Grove Sanitary District Proposed Special Assessment Venard Road (South) Engineer's Opinion of Probable Construction Cost

March 2021

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2018.)

Table 4.5-15

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Virginia Avenue (West)

Preliminary Design Layout

Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
<u>Virginia Street</u>					
SA-N-1-138	732.4	720.69	220	2.500/	11.7
UE-51	738.0	728.94	330	2.50%	9.1

Table 4.5-16

Downers Grove Sanitary District

Proposed Special Assessment

Virginia Avenue (West)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approx Qua			Unit Price		Amount
INO.	ray itelli		Qua	ility		FIICE		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (O 8-inch	PEN CUT) 8-12 feet deep 12-16 feet deep	80 250	lin. ft. lin. ft.	\$ \$	87.00 106.00	\$ \$	\$6,960 \$26,500
2	SANITARY MANHOLE 48-inch	S 8-12 feet deep 12-16 feet deep	1 0	each each	\$	6,400.00 7,700.00	\$	\$6,400 \$0
3	CONNECTION TO EXI 8-inch	STING MANHOLE	1	each	\$	6,200.00	\$	\$6,200
4	TRENCH BACKFILL 8-inch	8-12 feet deep 12-16 feet deep	20 40	lin. ft. lin. ft.	\$ \$	113.00 137.00	\$ \$	\$2,260 \$5,480
5	TREE TUNNELING		0	lin. ft.	\$	192.00	\$	\$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 12-inch	MOVAL AND REPLACEME	ENT 60	lin. ft.	\$	81.00	\$	\$4,860
9	RESTORATION OF LA Topsoil and sod	WNS AND PARKWAYS	890	sq.yd.	\$	14.00	\$	\$12,460
10	RESTORATION OF ST Bit. Concrete Stree PCC Sidewalk		0	sq.yd. sq. ft.	\$	64.00 13.00	\$	\$0 \$0
11	REMOVE AND REPLA Bituminous Aggregate	CE DRIVEWAYS	28 14	sq.yd. sq.yd.	\$ \$	48.00 20.00	\$	\$1,365 \$284
12	TREE REMOVAL AND	TRIMMING:			Lur	mp Sum	\$	\$333
13	EROSION CONTROL:				Lur	np Sum	\$	\$333

Table 4.5-16

Downers Grove Sanitary District

Proposed Special Assessment

Virginia Avenue (West)

Engineer's Opinion of Probable Construction Cost

Na	Doviltom	Approx		Unit		Amount
No.	Pay Item	Qua	nuty	Price		Amount
14	TRAFFIC CONTROL:			Lump Sum	\$	\$1,330
	SUBTOTAL				\$	\$76,744
SEF	RVICE LATERALS					
1	BUILDING SERVICE LINES					
	Near side	39	lin. ft.	\$ 50.00	\$	\$1,950
	Far side	159	lin. ft.	\$ 50.00	\$	\$7,950
2	BUILDING SERVICE BRANCH FITTINGS					
	Near Side	3	each	\$ 554.00	\$	\$1,662
	Far side	3	each	\$ 682.00	\$	\$2,046
3	BUILDING SERVICE PLUG:	6	each	\$ 208.00	\$	\$1,248
4	RESTORATION OF LAWNS AND PARKW.	ΔΥς				
7	Topsoil and sod	143	sq.yd.	\$ 14.00	\$	\$2,007
5	RESTORATION OF STREETS:					
Ü	Bit. Concrete Street	48	sq.yd.	\$ 63.00	\$	\$3,024
6	TRENCH BACKFILL					
Ů	0-8 feet deep	72	lin. ft.	\$ 62.00	\$	\$4,464
	OUDTOTAL				•	404.054
	SUBTOTAL				\$	\$24,351
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST			\$	\$101,100
		Contingencies	(20%)			\$20,200
		Engineering	(20%)			\$20,200
		Legal / Admin	(6%)			\$8,500
	TOTAL OPINION OF PROBABLE COS	ST			\$	\$150,000
				Cost per lot		\$25,000

Table 4.5-17

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lacey-Carol-Northcott

Preliminary Design Layout

Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Northcott Avenue					
SA-N-1-143	739.5	729.20	4.40	4.500/	10.3
UE-47	741.0	731.30	140	1.50%	9.7

Table 4.5-18

Downers Grove Sanitary District

Proposed Special Assessment

Lacey-Carol-Northcott

Engineer's Opinion of Probable Construction Cost

	Approximate					Unit			
No.	Pay Item		Qua	ntity		Price			Amount
MA	INLINE SEWER								
1	SANITARY SEWER (OF 8-inch	PEN CUT) 0-8 feet deep	40	lin. ft.	c	75.00	¢	¢	3 000
	O-IIICII	8-12 feet deep	100	lin. ft.	\$ \$	87.00	\$ \$	\$ \$	3,000 8,700
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	\$	6,200.00	\$	\$	6,200
4	TRENCH BACKFILL 8-inch	12-16 feet deep	15	lin. ft.	\$	137.00	\$	\$	2,055
5	TREE TUNNELING		0	lin. ft.	\$	192.00	\$	\$	
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.	\$	81.00	\$	\$	<u>-</u>
9	RESTORATION OF LAN Topsoil and sod	WNS AND PARKWAYS	194	sq.yd.	\$	14.00	\$	\$	2,722
10	RESTORATION OF STE Bit. Concrete Street		20	sq.yd.	\$	64.00	\$	\$	1,252
11	REMOVE AND REPLACE	CE DRIVEWAYS	14	sq.yd.	\$	48.00	\$	\$	683

No.	Pay Item	Approx Qua		Unit Price			Amount
			•				
12	REMOVE AND REPLACE AGGREGATE DITCH	78	sq.yd.	\$ 20.00	\$	\$	1,556
13	TREE REMOVAL AND TRIMMING:			Lump Sum	\$	\$	333
14	EROSION CONTROL			Lump Sum	\$	\$	333
15	TRAFFIC CONTROL			Lump Sum	\$	\$	1,330
	SUBTOTAL				\$	\$	32,502
SEI 1	RVICE LATERALS BUILDING SERVICE LINES Near side	0	lin. ft.	\$ 50.00	\$	\$	<u>-</u>
	Far side	1	lin. ft.	\$ 50.00	\$	\$	50
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	0 1	each each	\$ 554.00 \$ 682.00	\$ \$	\$	- 682
3	BUILDING SERVICE PLUG:	1	each	\$ 63.00	\$	\$	63
4	RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod	73	sq.yd.	\$ 14.00	\$	\$	1,027
5	RESTORATION OF STREETS: Bit. Concrete Street	156	sq.yd.	\$ 63.00	\$	\$	9,828
6	TRENCH BACKFILL 0-8 feet deep	26	lin. ft.	\$ 62.00	\$	\$	1,612
	SUBTOTAL				\$	\$	13,262
	TOTAL ESTIMATE OF CONSTRUCTION CO	OST			\$	\$	45,800
	Eng	ngencies lineering / Admin	(20%) (20%) (6%)			\$ \$	9,200 9,200 3,900
	TOTAL ESTIMATE OF COST				\$	\$	68,100
				Cost per lot		\$	68,100

Table 4.5-19

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Lacey and Janet

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Lacey Roa	<u>d</u>					
(existing)	SA-N-1-134	724.3	711.86			12.4
Janet Stree	<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

Table 4.5-20

Downers Grove Sanitary District

Proposed Special Assessment

Lacey and Janet

Engineer's Opinion of Probable Construction Cost

MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 8-12 feet deep 720 lin. ft. \$ 87.00 \$ \$76,320 16-20 feet deep 40 lin. ft. \$ 106.00 \$ \$76,320 16-20 feet deep 40 lin. ft. \$ 106.00 \$ \$76,320 \$ \$5,080 2 SANITARY MANHOLES 48-inch 8-12 feet deep 0 each 5 7,700.00 \$ \$12,800 12-16 feet deep 0 each 5 7,700.00 \$ \$0 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$6,200.00 \$ \$6,200 4 TRENCH BACKFILL 8-inch 8-12 feet deep 0 lin. ft. \$ 113.00 \$ \$6,200 4 TRENCH BACKFILL 8-inch 8-12 feet deep 0 lin. ft. \$ 137.00 \$ \$17,536 16-20 feet deep 0 lin. ft. \$ 130.00 \$ \$17,536 16-20 feet deep 0 lin. ft. \$ 130.00 \$ \$17,536 16-20 feet deep 0 lin. ft. \$ 180.00 \$ \$0 5 TREE TUNNELING 22 lin. ft. \$ 192.00 \$ \$4,224 16 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 6 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	No	Pay Item		Approx			Unit		Amount
1 SANITARY SEWER (OPEN CUT) 8-inch	No.	Pay item		Quai	itity		Price		Amount
8-inch	MA	INLINE SEWER							
8-inch	1	SANITARY SEWER (O	PEN CUT)						
16-20 feet deep 40 lin. ft. \$ 127.00 \$ \$5,080 \$ \$2,000 \$ \$ \$12.800 \$ \$48-inch		8-inch	8-12 feet deep	40	lin. ft.	\$	87.00		\$3,480
2 SANITARY MANHOLES 48-inch 8-12 feet deep 12-16 feet deep 16-20 feet deep 17-20 feet deep 18-3 CONNECTION TO EXISTING MANHOLE 8-inch 1			•	720					
48-inch			16-20 feet deep	40	lin. ft.	\$	127.00	\$	\$5,080
12-16 feet deep	2	SANITARY MANHOLES	S						
12-16 feet deep		48-inch	8-12 feet deep	2	each	\$	6,400.00	\$	\$12,800
16-20 feet deep 0 each \$ 10,300.00 \$ \$0 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 each \$ 6,200.00 \$ \$66,200 4 TRENCH BACKFILL 8-inch 8-12 feet deep 128 lin. ft. \$ 113.00 \$ \$17,536 16-20 feet deep 128 lin. ft. \$ 180.00 \$ \$17,536 \$ \$0 12-16 feet deep 128 lin. ft. \$ 180.00 \$ \$17,536 \$ \$0 16-20 feet deep 22 lin. ft. \$ 192.00 \$ \$44,224 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				0	each		7,700.00		
8-inch 1 each \$ 6,200.00 \$ \$ \$ \$ \$ \$ \$ \$ \$			16-20 feet deep	0	each	\$	10,300.00		
8-inch 1 each \$ 6,200.00 \$ \$ \$ \$ \$ \$ \$ \$ \$	3	CONNECTION TO EXIS	STING MANHOLE						
8-inch				1	each	\$	6,200.00	\$	\$6,200
8-inch	4	TDENOUD A OVER L							
12-16 feet deep 16-20 feet deep 128 lin. ft. structure \$ 137.00 structure \$ 17,536 structure 5 TREE TUNNELING 22 lin. ft. structure \$ 192.00 structure \$ 44,224 structure 6 SEWER TELEVISING FOR FINAL INSPECTION 800 lin. ft. structure \$ 3.00 structure \$ 22,400 structure 7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. structure \$ 3.00 structure \$ 22,400 structure 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. structure \$ 81.00 structure \$ 0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. sq.yd. structure \$ 14.00 structure \$ 1,498 structure 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. sq.yd. structure \$ 64.00 structure \$ 1,728 structure 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. sq.yd. sq.yd. structure \$ 48.00 structure \$ 48.00 structure	4		8-12 feet deen	0	lin ft	\$	113.00	\$	0.2
16-20 feet deep 0 lin. ft. \$ 180.00 \$ \$0 5 TREE TUNNELING 22 lin. ft. \$ 192.00 \$ \$4,224 6 SEWER TELEVISING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704		0-111011		-				\$	
6 SEWER TELEVISING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704			•						
7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	5	TREE TUNNELING		22	lin. ft.	\$	192.00	\$	\$4,224
7 SEWER TESTING FOR FINAL INSPECTION 800 lin. ft. \$ 3.00 \$ \$2,400 8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	^	CEMED TELEVICING	TOD FINAL INCDECTION	000	ı: £ 4	Φ.	2.00	Φ.	ФО 400
8 CULVERT REMOVAL AND REPLACEMENT 12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	ь	SEWER TELEVISING F	OR FINAL INSPECTION	800	iin. π.	<u>\$</u>	3.00	<u> </u>	\$2,400
12-inch 0 lin. ft. \$ 81.00 \$ \$0 9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	7	SEWER TESTING FOR	R FINAL INSPECTION	800	lin. ft.	\$	3.00	\$	\$2,400
9 RESTORATION OF LAWNS AND PARKWAYS Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	8	CULVERT REMOVAL A	AND REPLACEMENT						
Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704		12-inch		0	lin. ft.	\$	81.00	\$	\$0
Topsoil and sod 107 sq.yd. \$ 14.00 \$ \$1,498 10 RESTORATION OF STREETS Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ \$1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	9	RESTORATION OF LA	WNS AND PARKWAYS						
Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ 1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	Ū		Wite Auto I Automotive	107	sq.yd.	\$	14.00	\$	\$1,498
Bit. Concrete Street 27 sq.yd. \$ 64.00 \$ 1,728 11 REMOVE AND REPLACE DRIVEWAYS Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	10	RESTORATION OF ST	REETS						
Bituminous 98 sq.yd. \$ 48.00 \$ \$4,704	10			27	sq.yd.	\$	64.00	\$	\$1,728
· · · · · · · · · · · · · · · · · · ·	11	REMOVE AND REPLA	CE DRIVEWAYS						
12 TREE REMOVAL AND TRIMMING: Lump Sum \$ \$998		Bituminous		98	sq.yd.	\$	48.00	\$	\$4,704
	12	TREE REMOVAL AND	TRIMMING:			Lu	mp Sum	\$	\$998

Table 4.5-20

Downers Grove Sanitary District

Proposed Special Assessment

Lacey and Janet

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approx Quar		Unit Price	Amount
13	EROSION CONTROL:			Lump Sum	\$ \$665
14	TRAFFIC CONTROL:			Lump Sum	\$ \$4,655
	SUBTOTAL				\$ \$144,688
SEI	RVICE LATERALS				
1	BUILDING SERVICE LINES Near side Far side	105 357	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$5,250 \$17,850
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	7 7	each each	\$ 554.00 \$ 682.00	\$3,878 \$4,774
3	BUILDING SERVICE PLUG:	14	each	\$ 208.00	\$ \$2,912
4	RESTORATION OF LAWNS AND PARKWAY Topsoil and sod		sq.yd.	\$ 14.00	\$ \$4,900
5	RESTORATION OF STREETS: Bit. Concrete Street	103	sq.yd.	\$ 63.00	\$ \$6,489
6	TRENCH BACKFILL 8-12 feet deep	175	lin. ft.	\$ 83.00	\$ \$14,525
	SUBTOTAL				\$ \$60,578
	TOTAL ESTIMATE OF CONSTRUCTION	I COST			\$ \$205,300
		Contingencies Engineering Legal / Admin			\$41,100 \$41,100 \$17,300
	TOTAL OPINION OF PROBABLE COST				\$ \$304,800

Cost per lot

\$21,770

Table 4.5-21

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Ogden-Lacey-Grant-Lee (South)

Preliminary Design Layout

Manhole								
	Manhole Number	Rim	<u>Invert</u>	Length (ft)	<u>Slope</u>	<u>Depth</u>		
Lacey Road								
(existing)	SA-N-1-135	728.0	713.37			14.6		
Ogden Ave	<u>nue</u>							
				300	3.00%	4= 0		
	UE-58	740.0	722.37	215	3.00%	17.6		
	UE-59	740.0	719.82			20.2		
(existing)	SA-N-1-136	730.3	713.83			16.4		
	UE-61	730.0	714.55	180	0.40%	15.4		
	UE-65	739.0	715.80	250	0.50%	23.2		
		739.0	7 15.60			23.2		
Ogden Ave	<u>nue Farms</u>							
	UE-62	730.0	717.55	300	1.00%	12.4		
				280	0.40%			
	UE-63	729.0	718.67	350	2.50%	10.3		
	UE-66	736.0	727.42	300	3.00%	8.6		
	UE-67	746.0	736.42			9.6		
	UE-68	731.0	720.27	400	0.40%	10.7		
	UE-69	729.0	720.75	120	0.40%	8.2		
	UE-70	740.0	728.55	260	3.00%	11.4		
				65	2.00%			
	UE-71	742.0	729.85	400	2.50%	12.2		
	UE-72	749.0	739.85	220	4.00%	9.1		
	UE-75	755.0	739.35	220	1.0070	15.7		
Lee Avenue	<u>9</u>			000	0.50%			
	UE-64	730.0	718.80	600	0.50%	11.2		

	o. Pay Item		Approximate			Unit		_
No.			Qua	ntity		Price		Amount
MA	INLINE SEWER							
1	SANITARY SEWER (OF	PEN CUT)						
	8-inch	0-8 feet deep	0	lin. ft.	\$	75.00	\$	\$0
		8-12 feet deep	2,184	lin. ft.	\$	87.00	\$	\$190,008
		12-16 feet deep	1,184	lin. ft.	\$	106.00	\$	\$125,504
		16-20 feet deep	683	lin. ft.	\$	127.00	\$	\$86,741
2	SANITARY MANHOLES	3						
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$	\$0
		8-12 feet deep	8	each	\$	6,400.00	\$	\$51,200
		12-16 feet deep	5	each	\$	7,700.00	\$	\$38,500
		16-20 feet deep	2	each	\$	10,300.00	\$	\$20,600
3	CONNECTION TO EXIS	STING MANHOLE						
	8-inch		3	each	\$	6,200.00	\$	\$18,600
4	TRENCH BACKFILL							
	8-inch	0-8 feet deep	0	lin. ft.	\$	93.00	\$	\$0
		8-12 feet deep	2,184	lin. ft.	\$	113.00	\$	\$246,792
		12-16 feet deep	1,184	lin. ft.	\$	137.00	\$	\$162,208
		16-20 feet deep	683	lin. ft.	\$	180.00	\$	\$122,940
5	TREE TUNNELING		310	lin. ft.	\$	192.00	\$	\$59,520
6	SEWER TELEVISING F	FOR 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	AND REPLACEMENT						
	12-inch		105	lin. ft.	\$	81.00	\$	\$8,505
9	RESTORATION OF LAV	WNS AND PARKWAYS						
	Topsoil and sod		8,859	sq.yd.	\$	14.00	\$	\$124,026
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 ST							
	Bit. Concrete Stree	t	787	sq.yd.	\$	64.00	\$	\$50,368
	PCC Sidewalk		1,500	sq. ft.	\$	13.00	\$	\$19,500
12	REMOVE AND REPLAC	CE DRIVEWAYS						
	Bituminous		338	sq.yd.	\$	48.00	<u>\$</u> \$	\$16,224
	Concrete		100	sq.yd.	\$	81.00	\$	\$8,100
13	TREE REMOVAL AND		120		Lur	mp Sum	\$	\$19,285

Table 4.5-22

Downers Grove Sanitary District

Proposed Special Assessment

Ogden-Lacey-Grant-Lee (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approx Qua			Unit Price	Amount
14	EROSION CONTROL:			Lump	Sum	\$ \$15,960
15	TRAFFIC CONTROL:			Lump	Sum	\$ \$18,620
	SUBTOTAL					\$ \$1,518,752
SEI	RVICE LATERALS					
1	BUILDING SERVICE LINES Near side Far side	180 306	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$9,000 \$15,300
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	12 6	each each	\$ \$	554.00 682.00	\$ \$6,648 \$4,092
3	BUILDING SERVICE PLUG:	18	each	\$	208.00	\$ \$3,744
4	RESTORATION OF LAWNS AND PARKWA Topsoil and sod	AYS 400	sq.yd.	\$	14.00	\$ \$5,600
5	RESTORATION OF STREETS: Bit. Concrete Street	128	sq.yd.	\$	63.00	\$ \$8,064
6	TRENCH BACKFILL 8-12 feet deep	168	lin. ft.	\$	83.00	\$ \$13,944
7	REMOVE AND REPLACE DRIVEWAYS Bituminous	0	sq. yd.	\$	47.00	\$ \$0_
	SUBTOTAL					\$ \$66,392
	TOTAL ESTIMATE OF CONSTRUCTION	ON COST				\$ \$1,585,100
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) uisition			\$317,000 \$317,000 \$133,100 \$133,600
	TOTAL OPINION OF PROBABLE COS	т				\$ \$2,485,800
				Co	st per lot	\$138,100

Table 4.5-23 Downers Grove Sanitary District Proposed Special Assessments Burlington Highlands Sub-Area **Cost Summary**

Sub-Basin:	Near Services	Far Services	Cost	Cost per lot
Morton and Downers	20	19	\$ 1,380,300	\$ 35,390
40th and Seely (North)	9	12	\$ 601,700	\$ 28,650
40th and Northcott	5	9	\$ 421,700	\$ 30,120
Virginia-Seely-Janet-Downers	25	18	\$ 1,138,900	\$ 26,490
Belle Aire and Venard	15	6	\$ 921,700	\$ 43,890
Vernard Road (North)	4	6	\$ 370,300	\$ 37,030
Vernard Road (South) (completed)	0	0	\$ -	\$ -
Virginia Avenue (West)	3	3	\$ 150,000	\$ 25,000
Lacey-Carol-Northcott	0	1	\$ 68,100	\$ 68,100
Lacey and Janet	7	7	\$ 304,800	\$ 21,770
Ogden-Lacey-Grant-Lee (South)	12	6	\$ 2,485,800	\$ 138,100
TOTALS	100	87	\$ 7,843,300	\$ 41,940
	18	37		

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 4.6-4</i>
Cross and Ogden (North)	2	Table 4.6-5	Table 4.6-6
Drendel and Granville (South)	28	Table 4.6-7	Table 4.6-8
Burlington and Walnut (South)	2	Table 4.6-9	Table 4.6-10
Puffer North of Prairie	16	Table 4.6-11	Table 4.6-12

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

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

The Cross and Ogden (North) sub-basin sewer plan follows the existing topography which falls southwest towards the manhole in front of the new Culver's Restaurant. This sewer will allow the private pump station and force main of the Max Madsen car dealership at 2438 Ogden (northeast corner of Cross and Ogden) and the private septic system on the west side of Cross Street (4340 Cross) to be abandoned. Easements will be required along both Cross and Ogden to construct this sewer. The cost per lot was not calculated because this sub-area is only comprised of the several large commercial parcels. Table 4.6-5 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-6 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$383,000, 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 \$834,000, including contingency, engineering, easements, and legal/administrative costs.

The Burlington and Walnut (South) sub-basin sewer plan will flow west on Burlington Avenue from the Park District parcel west of Granville to the existing sanitary manhole at Walnut and Burlington. The sewer should be placed in the south right-way-way to avoid the existing water main and overhead electric. The cost per lot was not calculated because this sub-area only includes several large parcels owned by the Park District. Table 4.6-9 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.6-10 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$204,900, 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 \$636,600, including contingency, engineering, easements, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.6

GOLF ADDITION POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND

PROPOSED MANHOLES

PROPOSED SEWERS

EXISTING MANHOLES

EXISTING SEWERS

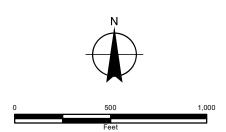
PARCEL BOUNDARIES

CROSS AND OGDEN (NORTH); TABLES 4.6-5, 4.6-6

DRENDEL AND GRANVILLE (SOUTH); TABLES 4.6-7, 4.6-8

BURLINGTON AND WALNUT (SOUTH); TABLES 4.6-9, 4.6-10

PUFFER NORTH OF PRAIRIE; TABLES 4.6-11, 4.6-12





I:\Crystal Lake\DGSD1\180305-2018 UAP\20-GIS\MapDocuments\
4-6 Golf Addition.mxd 563dks - 3/24/2020
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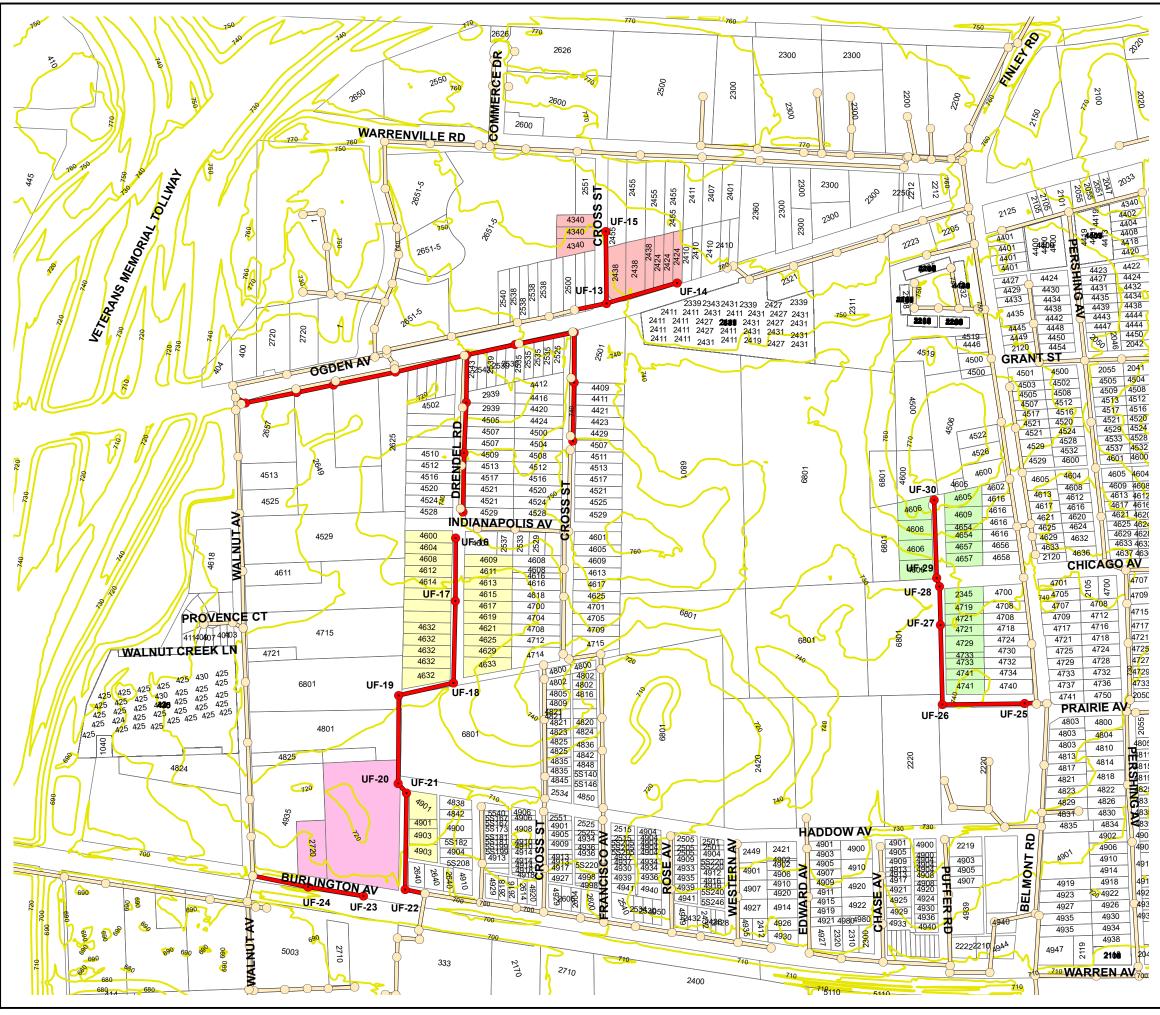


Table 4.6-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Drendel and Ogden

Preliminary Design Layout

(Sanitary sewers are available as of March 2010.)

Table 4.6-2 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Drendel and Ogden**

Engineer's Opinion of Probable Construction Cost

March 2021

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

Table 4.6-2 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Drendel and Ogden**

Engineer's Opinion of Probable Construction Cost

March 2021

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

Table 4.6-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (South)

Preliminary Design Layout

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

(Sanitary sewers are available as of March 2010.)

Table 4.6-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (South)

Engineer's Opinion of Probable Construction Cost

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

Table 4.6-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (South)

Engineer's Opinion of Probable Construction Cost

		Approximate	Unit	_
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2010.)

Table 4.6-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (North)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Ogden Aver	nue					
	3-A-88 (existing)	741.9	725.00	205	4.00%	16.9
	UF-13	748.0	733.20	370	3.00%	14.8
	UF-14	756.0	744.30	0.0	0.0070	11.7
Cross Stree	<u>et</u>			370	2.50%	
	UF-15	751.0	742.45	370	2.50 /0	8.5

Table 4.6-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (North)

Engineer's Opinion of Probable Construction Cost

			Approxima			Unit		
No.	Pay Item		Quantity			Price		Amount
MAINL	INE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	8-12 feet deep	240	lin. ft.	\$	87.00	\$	20,880
		12-16 feet deep	705	lin. ft.	\$	106.00	\$	74,730
2	SANITARY MAN	HOLES						
_	48-inch	8-12 feet deep	2	each	\$	6,400.00	\$	12,800
		12-16 feet deep	1	each	\$	7,700.00	\$ \$	7,700
0	CONNECTION	O EVICTING MANUGO	. –					
3	8-inch	O EXISTING MANHO	LE 1	each	\$	6,200.00	\$	3,500
	0-111011		'	Cacii	Ψ	0,200.00	Ψ	3,300
4	TRENCH BACKE							
	8-inch	8-12 feet deep	240	lin. ft.	<u>\$</u> \$	113.00	<u>\$</u> \$	27,120
		12-16 feet deep	200	lin. ft.	\$	137.00	\$	27,400
5	TREE TUNNELIN	NG	0	lin. ft.	\$	192.00	\$	0
6	SEWER TELEVI	SING FOR FINAL INSI	PECTION					
Ū	OLWEN TELEVI		945	lin. ft.	\$	3.00	\$	2,835
7	SEWER TESTIN	G FOR FINAL INSPEC		lin ff	ф	2.00	φ	2 925
			945	lin. ft.	\$	3.00	\$	2,835
8	CULVERT REMO	OVAL AND REPLACE	MENT					
	12-inch		0	lin. ft.	\$	81.00	\$	0
9	RESTORATION	OF LAWNS						
· ·	AND PARKWAY							
	Topsoil and	d Sod	1,342	sq.yd.	\$	14.00	\$	18,788
10	RESTORATION	OF STREETS.						
10	Bit. Concrete		50	sq.yd.	¢	64.00	¢	3,200
	Curb & Gutte		40	lin. ft.	\$	41.00	\$	1,640
	PCC Sidewa		200		\$ \$ \$	13.00	\$ \$ \$	2,600
				'	· .		•	,
11		REPLACE DRIVEWAYS			_		_	
	Bituminous		67	sq.yd.	\$	48.00	\$	3,216
12	TREE REMOVAL	_ AND TRIMMING:			Lum	p Sum	\$	0

Table 4.6-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cross and Ogden (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price		Amount
110.	•	Quantity			7 iiii Gaint
13	EROSION CONTROL		Lump Sum	\$	0
14	TRAFFIC CONTROL:		Lump Sum	\$	19,950
	SUBTOTAL			\$	229,194
SERVI	CE LATERALS				
1	BUILDING SERVICE LINES Near side Far side	10 lin. ft. 48 lin. ft.	\$ 50.00 \$ 50.00	\$ \$	500 2,400
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	1 each 1 each	\$ 554.00 \$ 682.00	\$ \$	554 682
3	BUILDING SERVICE PLUG:	2 each	\$ 208.00	\$	416
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	28 sq.yd.	\$ 14.00	\$	392
5	RESTORATION OF STREETS: Bit. Concrete Street	21 sq.yd.	\$ 63.00	\$	1,323
6	TRENCH BACKFILL 0-8 feet deep	35 lin. ft.	\$ 62.00	\$	2,170
	SUBTOTAL			\$	8,437
	TOTAL ESTIMATE OF CONS	TRUCTION COST		\$	237,600
		Contingencies (20%) Engineering (20%) Legal / Admin (6%) Easement Acquisition			47,500 47,500 20,000 30,400
	TOTAL OPINION OF PROBAI	BLE COST		\$	383,000

Table 4.6-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Drendel and Granville (South)

Preliminary Design Layout

1	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Burlington Av	<u>renue</u>					
	3-B-3 (existing)	702.3	687.50	440		14.8
	UF-22	703.0	689.70	110	2.00%	13.3
Granville Ave	enue					
	UF-21	714.0	701.70	480	2.50%	12.3
	UF-20	715.0	703.10	70	2.00%	11.9
Park District		7 10.0	700.10			11.0
Park District				450	1.80%	
	UF-19	722.0	711.20			10.8
Drendel Road	<u>d</u>			280	0.40%	
	UF-18	722.0	712.32	400	0.40%	9.7
	UF-17	722.0	713.92			8.1
	UF-16	735.0	726.52	360	3.50%	8.5

Table 4.6-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Drendel and Granville (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit	
No. Pay Item Quantity Price	Amount
MAJNII INIT STATED	
MAINLINE SEWER	
1 SANITARY SEWER (OPEN CUT)	
,	5.00 \$ \$4,500
8-12 feet deep 1,850 lin. ft. \$ 87	* \$160,950
•	\$ \$25,440
O CANITADY MANUAL EQ	
2 SANITARY MANHOLES	000 m m4 000
48-inch 0-8 feet deep 1 each \$ 4,800 8-12 feet deep 4 each \$ 6,400 12-16 feet deep 2 each \$ 7,700	
8-12 feet deep 4 each \$ 6,400	0.00 \$ \$25,600
12-16 feet deep 2 each \$ 7,700	\$ \$15,400
3 CONNECTION TO EXISTING MANHOLE	
8-inch 1 each <u>\$ 6,200</u>	0.00 \$ \$3,500
4 TRENOUBLOVEIU	
4 TRENCH BACKFILL 8-inch 0-8 feet deep 230 lin. ft. \$ 93	3.00 \$ \$21,390
<u> </u>	\$.00 \(\psi\) \(\psi\
12-16 feet deep 69 lin. ft. \$ 137	7.00 \$ \$9,453
12-10 loct deep 00 lin. it. <u>\(\psi \) 101</u>	.00 φ ψυ,+ου
5 TREE TUNNELING 345 lin. ft. <u>\$ 192</u>	2.00 \$ \$66,240
6 SEWER TELEVISING FOR FINAL INSPECTION	
	3.00 \$ \$6,450
<u></u>	+ + + + + + + + + + + + + + + + + + +
7 SEWER TESTING FOR FINAL INSPECTION	
2,150 lin. ft. <u>\$</u>	<u>\$ \$6,450</u>
8 CULVERT REMOVAL AND REPLACEMENT	
	.00 \$ \$9,315
· · · · · · · · · · · · · · · · · · ·	<u>, , , , , , , , , , , , , , , , , , , </u>
9 RESTORATION OF LAWNS	
AND PARKWAYS:	
Topsoil and Sod 3,158 sq.yd. <u>\$ 14</u>	<u>\$ \$44,212</u>
10 RESTORATION OF STREETS:	
	.00 \$ \$832
11 REMOVE AND REPLACE DRIVEWAYS	0.00 # #44.000
Bituminous 231 sq.yd. \$ 48	8.00 \$ \$11,088
12 TREE REMOVAL AND TRIMMING: Lump Sum	\$ \$8,978

Table 4.6-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Drendel and Granville (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price	Amount	
140.	•	Quantity			—
13	EROSION CONTROL		Lump Sum	\$ \$2,32	<u> 28</u>
14	TRAFFIC CONTROL:		Lump Sum	\$ \$3,99	<u> 90</u>
	SUBTOTAL			\$ \$451,82	20
SERVI	CE LATERALS				
1	BUILDING SERVICE LINES				
	Near side	124 lin. ft.		\$ \$6,20 \$ \$30,00	
	Far side	600 lin. ft.	\$ 50.00	\$ \$30,00	<u>)0</u>
2	BUILDING SERVICE				
	BRANCH FITTINGS				
	Near Side	18 each		\$ \$9,97 \$ \$6,82	_
	Far side	10 each	\$ 682.00	\$ \$6,82	<u>20</u>
3	BUILDING SERVICE PLUG:	28 each	\$ 208.00	\$ \$5,82	<u>24</u>
4	RESTORATION OF LAWNS				
	AND PARKWAYS:				
	Topsoil and Sod	367 sq.yd.	\$ 14.00	\$ \$5,13	38
5	RESTORATION OF STREETS:				
	Bit. Concrete Street	189 sq.yd.	\$ 63.00	\$ \$11,90)7
6	TRENCH BACKFILL				
U	0-8 feet deep	350 lin. ft.	\$ 62.00	\$ \$21,70	00
	SUBTOTAL			\$ \$97,56	31
					_
	TOTAL ESTIMATE OF CONS	STRUCTION COST		\$ \$549,40)0
		Contingencies (20%)		\$109,90	00
		Engineering (20%)		\$109,90	00
		Legal / Admin (6%)		\$46,20	
		Easement Acquisition		\$18,60)0
	TOTAL OPINION OF PROBA	BLE COST		\$ \$834,00	0
			Cost per le	ot \$29,79	90

Table 4.6-9

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Burlington and Walnut (South)

Preliminary Design Layout

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

Table 4.6-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Burlington and Walnut (South)

Engineer's Opinion of Probable Construction Cost

			Approxima	ite		Unit		
No.	Pay Item		Quantity	1		Price		Amount
MAINII								
WAINL	INE SEWER							
1	SANITARY SEW	ER (OPEN CUT)						
	8-inch	0-8 feet deep	60	lin. ft.	\$	75.00	\$	4,500
		8-12 feet deep	500	lin. ft.	\$	87.00	\$ \$	43,500
		12-16 feet deep	40	lin. ft.	\$	106.00	\$	4,240
2	CANUTADY MAN	HOLES						
2	SANITARY MAN		1	aaab	ф	4 900 00	φ	4 900
	48-inch	0-8 feet deep	1	each	<u>\$</u> \$	4,800.00	<u>\$</u> \$	4,800
		8-12 feet deep	1	each	Φ	6,400.00	Ф	6,400
3	CONNECTION T	O EXISTING MANHOL	E					
	8-inch		1	each	\$	6,200.00	\$	3,500
						_		
4	TRENCH BACKE		00	U 6	Φ.	00.00	Φ.	5 500
	8-inch	0-8 feet deep	60	lin. ft.	<u>\$</u> \$	93.00	<u>\$</u> \$	5,580
		8-12 feet deep	120	lin. ft.	\$	113.00	\$	13,560
5	TREE TUNNELI	NG	50	lin. ft.	\$	192.00	\$	9,600
					<u> </u>		<u> </u>	
6	SEWER TELEVI	SING FOR FINAL INSP						
			600	lin. ft.	\$	3.00	\$	1,800
7	CEWED TECTIN	G FOR FINAL INSPEC	TION					
7	SEWER IESTIN	G FOR FINAL INSPEC	600	lin. ft.	\$	3.00	\$	1,800
			000	III I. IL.	Ψ	3.00	Ψ	1,000
8	CULVERT REMO	OVAL AND REPLACEM	ENT					
	12-inch		10	lin. ft.	\$	81.00	\$	810
						_		_
9	RESTORATION							
	AND PARKWAY		000		•	44.00	•	44.000
	Topsoil and	1 500	833	sq.yd.	\$	14.00	\$	11,662
10	RESTORATION	OF STREETS:						
.0	Bit. Concrete		89	sq.yd.	\$	64.00	\$	5,696
				.,	<u> </u>	_	···	· · · · · ·
11		REPLACE DRIVEWAYS						
	Bituminous		0	sq.yd.	\$	48.00	\$	0
12	TREE REMOVAL	_ AND TRIMMING:			l um	np Sum	\$	1,995
12	THE INCIDIO VA	- / 11 TO 11 (11 VIII VIII VIII VIII VIII VIII VI			Lan	ip Juili	Ψ	1,000

Table 4.6-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Burlington and Walnut (South)

Engineer's Opinion of Probable Construction Cost

		Approximate	Unit		
No.	Pay Item	Quantity	Price		Amount
13	EROSION CONTROL		Lump Sum	\$	665
14	TRAFFIC CONTROL:		Lump Sum	\$	2,660
	SUBTOTAL			\$	122,768
SERVI	CE LATERALS				
1	BUILDING SERVICE LINES Near side Far side	0 lin. ft. 120 lin. ft.	\$ 50.00 \$ 50.00	\$ \$	6,000
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	0 each 2 each	\$ 554.00 \$ 682.00	\$ \$	0 1,364
3	BUILDING SERVICE PLUG:	2 each	\$ 208.00	\$	416
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	93 sq.yd.	\$ 14.00	\$	1,302
5	RESTORATION OF STREETS: Bit. Concrete Street	37 sq.yd.	\$ 63.00	\$	2,331
6	TRENCH BACKFILL 0-8 feet deep	64 lin. ft.	\$ 62.00	\$	3,968
	SUBTOTAL			\$	15,381
	TOTAL ESTIMATE OF CONS	STRUCTION COST		\$	138,100
		Contingencies (20%) Engineering (20%) Legal / Admin (6%)			27,600 27,600 11,600
	TOTAL OPINION OF PROBA	BLE COST		\$	204,900

Table 4.6-11

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Puffer North of Prairie

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Prairie Ave	<u>nue</u>					
	3-A-12 (existing) ¹	735.2	724.00	60	0.40%	11.2
	UF-25	734.0	724.24	420	0.40%	9.8
	UF-26	736.0	725.92	420	0.4070	10.1
Puffer Road	<u>d</u>					
	UF-27	735.0	727.52	400	0.40%	7.5
	UF-28	738.0	729.72	220	1.00%	8.3
				30	0.40%	
	UF-29	738.0	729.84	410	6.00%	8.2
	UF-30	766.0	754.44	-		11.6

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

Table 4.6-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Puffer North of Prairie

Engineer's Opinion of Probable Construction Cost

			Approxima	ite		Unit		
No.	Pay Item		Quantity	•		Price		Amount
MAINL	INE SEWER							
1	SANITARY SEW	VER (OPEN CUT)						
'	8-inch	0-8 feet deep	200	lin. ft.	\$	75.00	\$	\$15,000
	o mon	8-12 feet deep	1,280	lin. ft.	\$	87.00	\$	\$111,360
		12-16 feet deep	60	lin. ft.	\$	106.00	\$ \$	\$6,360
	O A NUT A DV A A A A							
2	SANITARY MAN		4		Φ	4 000 00	ф	#4.000
	48-inch	0-8 feet deep	1	each	<u>\$</u> \$	4,800.00	<u>\$</u> \$	\$4,800
		8-12 feet deep	5	each	φ	6,400.00	Φ	\$32,000
3	CONNECTION 1	TO EXISTING MANHO)LE					
	8-inch		1	each	\$	6,200.00	\$	\$3,500
4	TRENCH BACK							
	8-inch	0-8 feet deep	200	lin. ft.	\$	93.00	\$ \$ \$	\$18,600
		8-12 feet deep	410	lin. ft.	\$	113.00	\$	\$46,330
		12-16 feet deep	30	lin. ft.	\$	137.00	\$	\$4,110
5	TREE TUNNELI	NG	165	lin. ft.	\$	192.00	\$	\$31,680
0	OFWED TELEVI	IOINO EOD EINIAL INIC	DECTION					
6	SEWER TELEVI	ISING FOR FINAL INS		lin ff	φ	2.00	φ	ሲ ፈ 620
			1,540	lin. ft.	\$	3.00	\$	\$4,620
7	SEWER TESTIN	IG FOR FINAL INSPE	CTION					
•	OLWEN TEOTH	to rott iit/ie iitor e	1,540	lin. ft.	\$	3.00	\$	\$4,620
			,		<u></u>	_	<u></u>	· ,
8		OVAL AND REPLACE						
	12-inch		50	lin. ft.	\$	81.00	\$	\$4,050
9	RESTORATION	OE LAWNIS						
9	AND PARKWAY							
	Topsoil and		1.533	sq.yd.	\$	14.00	\$	\$21,462
			1,000	- 4-7	<u></u>		<u></u>	+
10	RESTORATION	OF STREETS:						
	Bit. Concret	e Street	333	sq.yd.	\$	64.00	\$	\$21,312
	Curb & Gutt		0	lin. ft.	\$ \$ \$	41.00	\$ \$ \$	\$0
	PCC Sidewa	alk	50	sq. ft.	\$	13.00	\$	\$650
11		REPLACE DRIVEWAY	' C					
11	Bituminous	THE LACE DRIVE WAT		sq.yd.	\$	48.00	\$	\$1,056
				- 7.7	4	.0.00	~	Ψ.,550

Table 4.6-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Puffer North of Prairie

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	Unit Price	Amount
12	TREE REMOVAL AND TRIMMING	S:	Lump Sum	\$ \$2,660
13	EROSION CONTROL		Lump Sum	\$ \$665
14	TRAFFIC CONTROL:		Lump Sum	\$ \$2,660
	SUBTOTAL			\$ \$337,495
SERVI	CE LATERALS			
1	BUILDING SERVICE LINES Near side Far side	10 lin. ft. 750 lin. ft.	\$ 50.00 \$ 50.00	\$ \$500 \$ \$37,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	1 each 15 each	\$ 554.00 \$ 682.00	\$ \$554 \$ \$10,230
3	BUILDING SERVICE PLUG:	16 each	\$ 208.00	\$ \$3,328
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	344 sq.yd.	\$ 14.00	\$ \$4,816
5	RESTORATION OF STREETS: Bit. Concrete Street	158 sq.yd.	\$ 63.00	\$ \$9,954
6	TRENCH BACKFILL 0-8 feet deep	285 lin. ft.	\$ 62.00	\$ \$17,670
	SUBTOTAL			\$ \$84,552
	TOTAL ESTIMATE OF CONS	TRUCTION COST		\$ \$422,000
		Contingencies (20%) Engineering (20%) Legal / Admin (6%) Easement Acquisition		\$84,400 \$84,400 \$35,400 \$10,400
	TOTAL OPINION OF PROBA	BLE COST		\$ \$636,600
			Cost per lo	ot \$39,790

Table 4.6-13

Downers Grove Sanitary District

Possible Special Assessments for Sanitary Sewer

Golf Addition Sub-Area

Cost Summary

Sub-Basin:	Near	Far	Cost	C	Cost per lot	
Drendel and Ogden (completed)	0	0	\$ -	\$	-	
Cross and Ogden (South) (completed)	0	0	\$ -	\$	-	
Cross and Ogden (North)	1	1	\$ 383,000		N/A	
Drendel and Granville (South)	18	10	\$ 834,000	\$	29,790	
Burlington and Walnut (South)	0	2	\$ 204,900		N/A	
Puffer North of Prairie	1	15	\$ 636,600	\$	39,790	
TOTALS	20	28	\$ 2,058,500	\$	33,420	

48

4.7 Florence Avenue

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

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

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

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

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

We recommend the sewer be installed in the west right-of-way to avoid the existing power lines, gas mains, and major landscaping located in the east right-of-way. Table 4.7-1 is the proposed layout of the sewer size, length, and slope and manhole invert and depth. Table 4.7-2 includes a breakdown of the unit quantities and unit prices used to prepare the opinion of probable cost. The total opinion of project cost is \$244,300, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.7

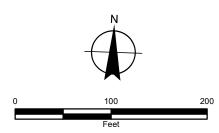
FLORENCE AVENUE

POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND

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





 $\label{logsd1} $$ \operatorname{Crystal Lake} \Omega -2020 UAP\GIS\MXDs\4-7 FlorenceAve.mxd 563dks - 3/24/2020 $$$

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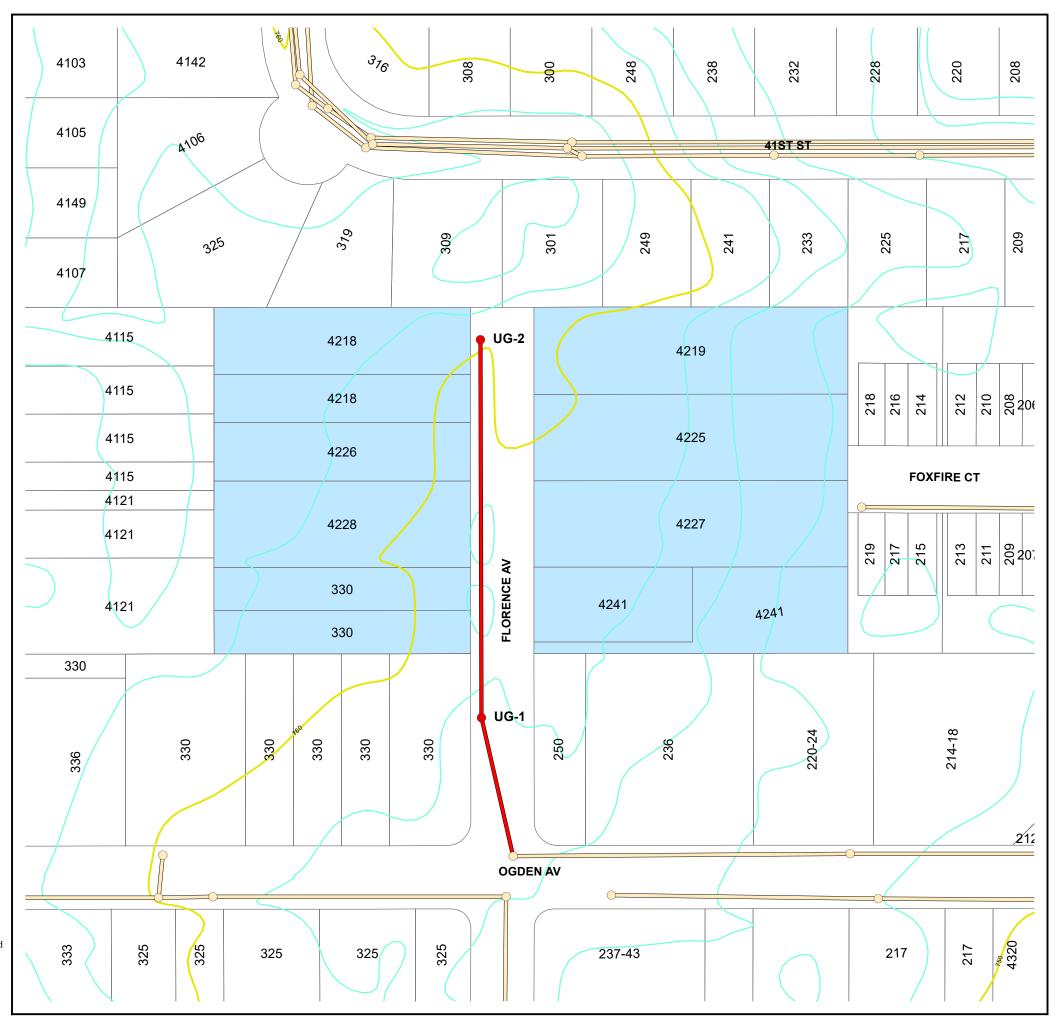


Table 4.7-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Florence Avenue

Preliminary Design Layout

<u>Man</u>	hole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Florence Avenu	<u>e</u>					
1-J-	136 (existing)	756.0	748.54	140	0.40%	7.5
	UG-1	757.5	749.10	400	0.50%	8.4
	UG-2	761.0	751.10	400	0.50 /6	9.9

Table 4.7-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Florence Avenue

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price Amount No. Pay Item MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 40 lin. ft. 75.00 \$3.000 8-12 feet deep 500 lin. ft. \$ 87.00 \$ \$43,500 2 SANITARY MANHOLES 0-8 feet deep 0 48-inch each 4,800.00 \$0 \$12,800 8-12 feet deep 2 each \$ 6,400.00 3 CONNECTION TO EXISTING MANHOLE 8-inch 1 6,200.00 \$ \$6,200 each 4 TRENCH BACKFILL 8-inch 0-8 feet deep 19 lin. ft. 93.00 \$1,767 8-12 feet deep \$ 113.00 \$ 177 lin. ft. \$20,001 5 TREE TUNNELING 30 lin. ft. \$ 192.00 \$ \$5,760 6 SEWER TELEVISING FOR FINAL INSPECTION 540 lin. ft. 2.50 \$ \$1,350 7 SEWER TESTING FOR FINAL INSPECTION 540 lin. ft. 2.50 \$1,350 8 CULVERT REMOVAL AND REPLACEMENT 81.00 12-inch 20 lin. ft. \$ \$1,620 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 575 sq.yd. 14.00 \$ \$8,050 10 RESTORATION OF STREETS: Bit. Concrete Street 89 sq.yd. \$ 64.00 \$ \$5,696 11 REMOVE AND REPLACE DRIVEWAYS Concrete 13 sq.yd. 81.00 \$ \$1,053 \$ 48.00 \$ \$3,120 **Bituminous** 65 sq.yd. \$ \$ 20.00 \$260 Aggregate 13 sq.yd.

Table 4.7-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Florence Avenue

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price Amount No. Pay Item 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ \$665 13 EROSION CONTROL \$ Lump Sum \$665 14 TRAFFIC CONTROL: Lump Sum \$ \$5,320 **SUBTOTAL** \$ \$122,177 **SERVICE LATERALS** 1 BUILDING SERVICE LINES Near side 90 lin. ft. 50.00 \$4,500 Far side \$ \$ 255 lin. ft. 50.00 \$12,750 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 6 each 554.00 \$3,324 \$ \$ Far side 5 682.00 \$3,410 each 3 BUILDING SERVICE PLUG: 11 each \$ 208.00 \$ \$2,288 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 158 sq.yd. 14.00 \$ \$2,212 5 RESTORATION OF STREETS: Bit. Concrete Street 80 sq.yd. 63.00 \$ \$5,040 6 TRENCH BACKFILL 0-8 feet deep 145 \$ 62.00 \$ \$8,990 lin. ft. **SUBTOTAL** \$ \$42,514 TOTAL ESTIMATE OF CONSTRUCTION COST \$ \$164,700 Contingencies (20%)\$32,900 Engineering \$32,900 (20%)Legal / Admin (6%) \$13,800 \$244,300 TOTAL OPINION OF PROBABLE COST Cost per lot \$22,210

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 31st 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

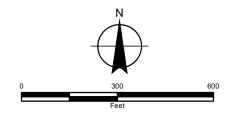
EXHIBIT 4.8

MEYERS ROAD AND 31ST STREET

POSSIBLE FORCE MAIN ALIGNMENT

MARCH 2021

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





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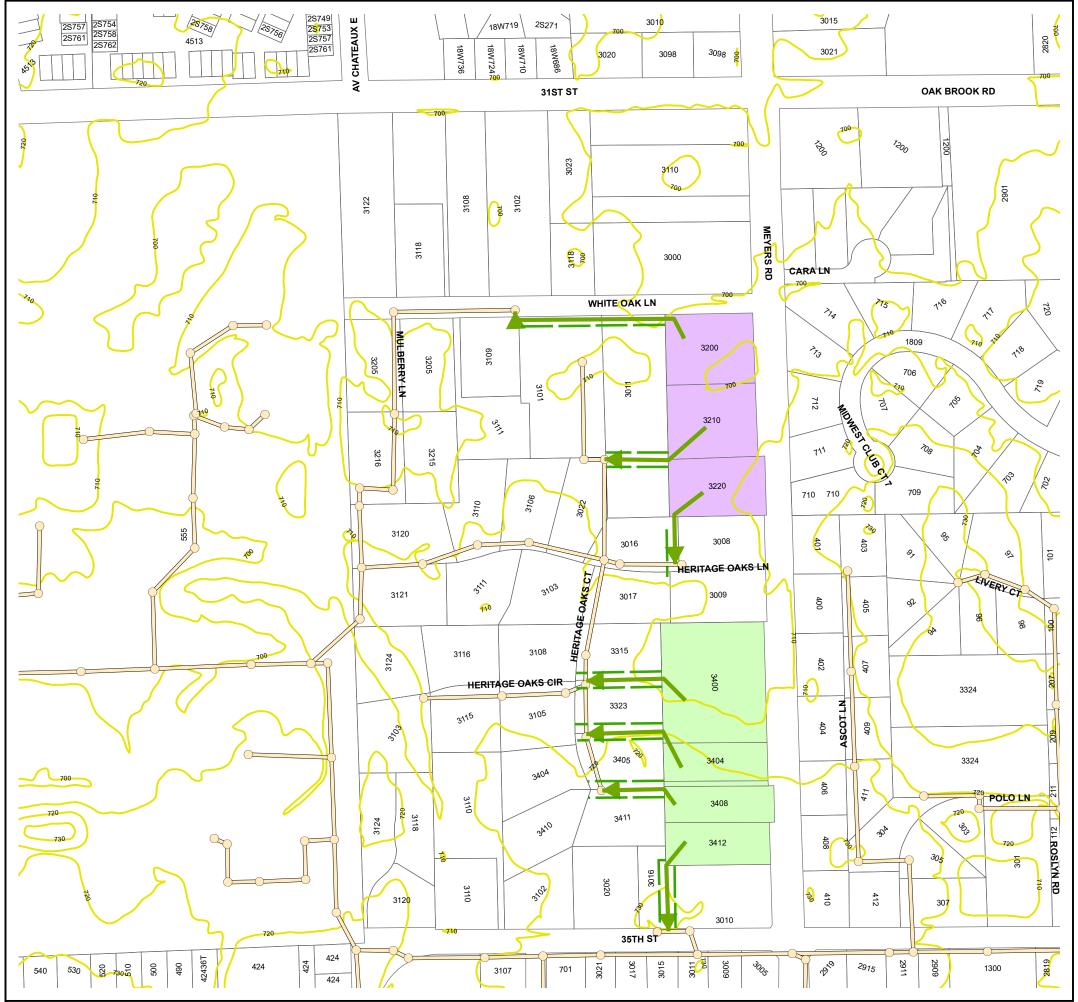


Table 4.8-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity		Unit Price	Amount
SERVI	CE LATERALS				
1	GRINDER PUMP SYSTEM:	1	each	\$ 11,100.00	\$ 11,100
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	65	lin. ft.	\$ 43.00	\$ 2,795
	1-1/4" HDPE (DRILL)	472	lin. ft.	\$ 56.00	\$ 26,432
3	CONNECTION TO EXISTING MAN	IHOLE:	each	\$ 6,200.00	\$ 6,200
4	CLEAN-OUTS:	2	each	\$ 2,700.00	\$ 5,400
5	AIR RELEASE VALVES:	1	each	\$ 1,065.00	\$ 1,065
6	BUILDING SERVICE FITTINGS:	0	each	\$ 213.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 213.00	\$ 213
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	117	sq.yd.	\$ 14.00	\$ 1,638
9	REMOVE AND REPLACE DRIVEW Bituminous	/AYS:	sq.yd.	\$ 47.00	\$ 470
10	RESTORATION OF STREETS: Bit. Concrete Street	11	sq.yd.	\$ 63.00	\$ 693
11	TRENCH BACKFILL: 0-8 feet deep	15	lin. ft.	\$ 62.00	\$ 930
12	TREE REMOVAL AND TRIMMING:	:		Lump Sum	\$ 1,995
13	EROSION CONTROL:			Lump Sum	\$ 333
14	TRAFFIC CONTROL:			Lump Sum	\$ 665
	TOTAL ESTIMATE OF CONST	TRUCTION COS	ST		\$ 59,900
		Contingencies Engineering Easement Acqu	(20%) (20%) uisition		12,000 12,000 19,500
	TOTAL OPINION OF PROBAB	BLE COST			\$ 103,400

Table 4.8-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price	Amount
	CE LATERALS	•				
1	GRINDER PUMP SYSTEM:	1	each	\$	11,100.00	\$ 11,100
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	50	lin. ft.	\$	43.00	\$ 2,150
	1-1/4" HDPE (DRILL)	300	lin. ft.	\$	56.00	\$ 16,800
3	CONNECTION TO EXISTING MANH	HOLE:	each	\$	6,200.00	\$ 6,200
4	CLEAN-OUTS:	1	each	\$	2,700.00	\$ 2,700
5	AIR RELEASE VALVES:	1	each	\$	1,065.00	\$ 1,065
6	BUILDING SERVICE FITTINGS:	0	each	\$	213.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$	213.00	\$ 213
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	106	sq.yd.	\$	14.00	\$ 1,484
9	REMOVE AND REPLACE DRIVEWA	AYS:	sq.yd.	\$	47.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$ 0
11	TRENCH BACKFILL: 0-8 feet deep	0	lin. ft.	\$	62.00	\$ 0
12	TREE REMOVAL AND TRIMMING:			Lump	Sum	\$ 2,660
13	EROSION CONTROL:			Lump	Sum	\$ 998
14	TRAFFIC CONTROL:			Lump	Sum	\$ 0
	TOTAL ESTIMATE OF CONSTR	RUCTION COS	Т			\$ 45,400
	!	Contingencies Engineering Easement Acqu	(20%) (20%) isition			9,100 9,100 8,500
	TOTAL OPINION OF PROBABL	E COST				\$ 72,100

Table 4.8-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (North)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price	Amount
SERVIO	CE LATERALS					
1	GRINDER PUMP SYSTEM:	1	each	\$	11,100.00	\$ 11,100
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	150	lin. ft.	\$	43.00	\$ 6,450
	1-1/4" HDPE (DRILL)	170	lin. ft.	\$	56.00	\$ 9,520
3	CONNECTION TO EXISTING MANH	HOLE:	each	\$	6,200.00	\$ 6,200
4	CLEAN-OUTS:	1	each	\$	2,700.00	\$ 2,700
5	AIR RELEASE VALVES:	1	each	\$	1,065.00	\$ 1,065
6	BUILDING SERVICE FITTINGS:	0	each	\$	213.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$	213.00	\$ 213
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	217	sq.yd.	\$	14.00	\$ 3,038
9	REMOVE AND REPLACE DRIVEWA	AYS:	sq.yd.	\$	47.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$ 0
11	TRENCH BACKFILL: 0-8 feet deep	0	lin. ft.	\$	62.00	\$ 0
12	TREE REMOVAL AND TRIMMING:			Lump	Sum	\$ 1,995
13	EROSION CONTROL:			Lump	Sum	\$ 998
14	TRAFFIC CONTROL:			Lump	Sum	\$ 333
	TOTAL ESTIMATE OF CONSTI	RUCTION COS	Т			\$ 43,600
		Contingencies Engineering Easement Acqu	(20%) (20%) isition			8,700 8,700 6,900
	TOTAL OPINION OF PROBABL	LE COST				\$ 67,900

Table 4.8-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Price Quantity Amount No. SERVICE LATERALS 1 GRINDER PUMP SYSTEM: 1 \$ 11,100.00 \$ 11,100 each 2 BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT) \$ 115 lin. ft. 43.00 \$ 4,945 1-1/4" HDPE (DRILL) \$ 250 lin. ft. \$ 56.00 14,000 3 CONNECTION TO EXISTING MANHOLE: each \$ 6,200.00 \$ 6,200 2,700.00 4 CLEAN-OUTS: 1 each \$ \$ 2,700 5 AIR RELEASE VALVES: \$ 1,065.00 \$ 1 each 1,065 6 BUILDING SERVICE FITTINGS: 0 each \$ 213.00 \$ 0 7 BUILDING SERVICE PLUG: 1 \$ 213.00 \$ 213 each **RESTORATION OF LAWNS** AND PARKWAYS: 178 sq.yd. Topsoil and Sod 14.00 2.492 \$ \$ 9 REMOVE AND REPLACE DRIVEWAYS: **Bituminous** 47.00 0 sq.yd. \$ \$ 0 10 RESTORATION OF STREETS: 63.00 Bit. Concrete Street sq.yd. \$ 189 11 TRENCH BACKFILL: \$ 0-8 feet deep 10 lin. ft. 62.00 \$ 620 12 TREE REMOVAL AND TRIMMING: \$ Lump Sum 1,330 **EROSION CONTROL:** Lump Sum \$ 665 14 TRAFFIC CONTROL: Lump Sum \$ 665 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 46,200 Contingencies (20%)9,200 Engineering (20%)9,200 **Easement Acquisition** 10,500 TOTAL OPINION OF PROBABLE COST 75,100

Table 4.8-5 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Meyers Road (South) Engineer's Opinion of Probable Construction Cost**

No.	Pay Item	Approxima Quantity		Unit Price	Amount
	CE LATERALS	,			
1	GRINDER PUMP SYSTEM:	1	each	\$ 11,100.00	\$ 11,100
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	105	lin. ft.	\$ 43.00	\$ 4,515
	1-1/4" HDPE (DRILL)	240	lin. ft.	\$ 56.00	\$ 13,440
3	CONNECTION TO EXISTING MANH	HOLE:	each	\$ 6,200.00	\$ 6,200
4	CLEAN-OUTS:	1	each	\$ 2,700.00	\$ 2,700
5	AIR RELEASE VALVES:	1	each	\$ 1,065.00	\$ 1,065
6	BUILDING SERVICE FITTINGS:	0	each	\$ 213.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$ 213.00	\$ 213
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	167	sq.yd.	\$ 14.00	\$ 2,338
9	REMOVE AND REPLACE DRIVEWA	AYS:	sq.yd.	\$ 47.00	\$ 0
10	RESTORATION OF STREETS: Bit. Concrete Street	3	sq.yd.	\$ 63.00	\$ 189
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$ 62.00	\$ 620
12	TREE REMOVAL AND TRIMMING:			Lump Sum	\$ 1,330
13	EROSION CONTROL:			Lump Sum	\$ 665
14	TRAFFIC CONTROL:			Lump Sum	\$ 665
	TOTAL ESTIMATE OF CONST	RUCTION COS	Т		\$ 45,000
		Contingencies Engineering Easement Acqu	(20%) (20%) disition		9,000 9,000 10,300
	TOTAL OPINION OF PROBABI	LE COST			\$ 73,300

Table 4.8-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Price Quantity Amount No. SERVICE LATERALS 1 GRINDER PUMP SYSTEM: 1 \$ 11,100.00 \$ 11,100 each 2 BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT) \$ 130 lin. ft. 43.00 \$ 5,590 1-1/4" HDPE (DRILL) \$ 210 lin. ft. \$ 56.00 11,760 3 CONNECTION TO EXISTING MANHOLE: each \$ 6,200.00 6,200 2,700.00 4 CLEAN-OUTS: 1 each \$ \$ 2,700 5 AIR RELEASE VALVES: \$ 1,065.00 \$ 1 each 1,065 6 BUILDING SERVICE FITTINGS: 0 each \$ 213.00 \$ 0 7 BUILDING SERVICE PLUG: \$ 213.00 \$ 213 1 each **RESTORATION OF LAWNS** AND PARKWAYS: Topsoil and Sod 194 sq.yd. 14.00 2,716 \$ \$ 9 REMOVE AND REPLACE DRIVEWAYS: **Bituminous** 47.00 sq.yd. \$ \$ 0 10 RESTORATION OF STREETS: Bit. Concrete Street sq.yd. \$ 63.00 189 11 TRENCH BACKFILL: 0-8 feet deep 10 lin. ft. 62.00 \$ 620 \$ \$ 12 TREE REMOVAL AND TRIMMING: Lump Sum 1,330 **EROSION CONTROL:** Lump Sum \$ 665 14 TRAFFIC CONTROL: Lump Sum \$ 665 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 44,800 Contingencies (20%)9,000 Engineering (20%)9,000 **Easement Acquisition** 8,900 TOTAL OPINION OF PROBABLE COST 71,700

Table 4.8-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meyers Road (South)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price	Amount
SERVIO	CE LATERALS	-				
1	GRINDER PUMP SYSTEM:	1	each	\$	11,100.00	\$ 11,100
2	BUILDING SERVICE LINES: 1-1/4" HDPE (OPEN CUT)	140	lin. ft.	\$	43.00	\$ 6,020
	1-1/4" HDPE (DRILL)	215	lin. ft.	\$	56.00	\$ 12,040
3	CONNECTION TO EXISTING MANI	HOLE:	each	\$	6,200.00	\$ 6,200
4	CLEAN-OUTS:	1	each	\$	2,700.00	\$ 2,700
5	AIR RELEASE VALVES:	1	each	\$	1,065.00	\$ 1,065
6	BUILDING SERVICE FITTINGS:	0	each	\$	213.00	\$ 0
7	BUILDING SERVICE PLUG:	1	each	\$	213.00	\$ 213
8	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and Sod	206	sq.yd.	\$	14.00	\$ 2,884
9	REMOVE AND REPLACE DRIVEW. Bituminous	AYS:	sq.yd.	\$	47.00	\$ 329
10	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$ 0
11	TRENCH BACKFILL: 0-8 feet deep	10	lin. ft.	\$	62.00	\$ 620
12	TREE REMOVAL AND TRIMMING:			Lump	o Sum	\$ 1,330
13	EROSION CONTROL:			Lum	o Sum	\$ 665
14	TRAFFIC CONTROL:			Lum	o Sum	\$ 1,995
	TOTAL ESTIMATE OF CONST	RUCTION COS	Т			\$ 47,200
		Contingencies Engineering Easement Acqu	(20%) (20%) isition			9,400 9,400 5,500
	TOTAL OPINION OF PROBAB	LE COST				\$ 71,500

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

MARCH 2021

LEGEND

PROPOSED MANHOLES

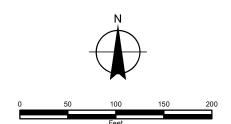
PROPOSED SEWERS

EXISTING MANHOLES

EXISTING SEWERS

PARCEL BOUNDARIES

EXISTING EASEMENT





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4-9 57th.mxd 563dks - 3/24/2020
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Table 4.9-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

57th and Grant

Preliminary Design Layout

ManholeManholeManholeManhole NumberRimInvertLength (ft)SlopeDepth

(Sanitary sewers are available as of March 2015.)

Table 4.9-2 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers 57th and Grant**

Engineer's Opinion of Probable Construction Cost

March 2021

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2015.)

Table 4.9-2 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers 57th and Grant**

Engineer's Opinion of Probable Construction Cost

March 2021

		Approximate	Unit	
No.	Pay Item	Quantity	Price	Amount

(Sanitary sewers are available as of March 2015.)

4.10 60th and Cumnor

60th and Cumnor is a sub-area within the District's FPA that is currently unsewered. As shown on Exhibit 4.10, the approximate limits of this sub-area are Fairview Avenue to the west, 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.

The following are the proposed sub-basins:

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
61st 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 \$362,300 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 \$314,500, 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 \$220,600, 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 \$149,400, 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 \$80,800, including contingency, engineering, and legal/administrative costs.

The Cumnor (South) sub-basin sewer plan will connect to the sewer on 61st 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 \$112,000, 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 \$387,900 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 \$86,200, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.10

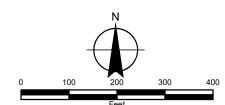
60TH AND CUMNOR

POSSIBLE SEWER ALIGNMENT

MARCH 2021

PROPOSED MANHOLES PROPOSED SEWERS EXISTING MANHOLES EXISTING SEWERS PARCEL BOUNDARIES 59TH (WEST);TABLES 4.10-1, 4.10-2 59TH (EAST);TABLES 4.10-3, 4.10-4 60TH (WEST);TABLES 4.10-5, 4.10-6 60TH AND CUMNOR;TABLES 4.10-7, 4.10-8 60TH (EAST);TABLES 4.10-9, 4.10-10

CUMNOR (SOUTH);TABLES 4.10-11, 4.10-12 61ST AND CUMNOR;TABLES 4.10-13, 4.10-14 61ST (EAST);TABLES 4.10-15, 4.10-16





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MapDocuments\4-10 Cumnor.mxd 563dks - 3/24/2020
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Table 4.10-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
59th (West)

Preliminary Design Layout

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

Table 4.10-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

59th (West)

Engineer's Opinion of Probable Construction Cost

	D "	Approxima							
No.	Pay Item		Quantity			Price		Amount	
MAINLIN	IE SEWER								
1	SANITARY SEWER 8-inch	(OPEN CUT) 8-12 feet deep	830	lin. ft.	\$	87.00	\$	72,210	
2	SANITARY MANHO 48-inch	LES 8-12 feet deep	3	each	\$	6,400.00	\$	19,200	
3	CONNECTION TO 8-inch	EXISTING MANHOLI	E 1	each	\$	6,200.00	\$	6,200	
4	TRENCH BACKFILI 8-inch	- 8-12 feet deep	140	lin. ft.	\$	113.00	\$	15,820	
5	TREE TUNNELING		130	lin. ft.	\$	192.00	\$	24,960	
6	SEWER TELEVISIN	IG FOR FINAL INSP	ECTION 830	lin. ft.	\$	3.00	\$	2,490	
7	SEWER TESTING I	FOR FINAL INSPEC	TION 830	lin. ft.	\$	3.00	\$	2,490	
8	CULVERT REMOVA 12-inch	AL AND REPLACEM	ENT 90	lin. ft.	\$	81.00	\$	7,290	
9	RESTORATION OF AND PARKWAYS: Topsoil and so		1,533	sq.yd.	\$	14.00	\$	21,462	
10	RESTORATION OF Bit. Concrete S		0	sq.yd.	\$	64.00	\$	0	
11	REMOVE AND REF Bituminous Aggregate	PLACE DRIVEWAYS	160 18	sq.yd. sq.yd.	\$ \$	48.00 20.00	\$ \$	7,680 360	

Table 4.10-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
59th (West)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Price Pay Item Quantity Amount No. 12 TREE REMOVAL AND TRIMMING: 1,995 Lump Sum \$ **EROSION CONTROL** Lump Sum \$ 665 14 TRAFFIC CONTROL: Lump Sum \$ 1,995 **SUBTOTAL** \$ 184,817 SERVICE LATERALS 1 BUILDING SERVICE LINES Near side 80 4,000 lin. ft. 50.00 \$ Far side 350 lin. ft. \$ 50.00 17,500 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 8 \$ 554.00 4.432 each \$ \$ Far side 7 682.00 4,774 each **BUILDING SERVICE PLUG:** 15 \$ 208.00 \$ 3,120 each 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 400 \$ 14.00 \$ 5,600 sq.yd. RESTORATION OF STREETS: Bit. Concrete Street 137 sq.yd. \$ 63.00 \$ 8,631 6 TRENCH BACKFILL 0-8 feet deep 182 lin. ft. 62.00 \$ \$ 11,284 **SUBTOTAL** \$ 59,341 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 244,200 2.00 Contingencies (20%)48,800 Engineering (20%)48,800 Legal / Admin (6%) 20,500 362,300 TOTAL OPINION OF PROBABLE COST

Cost per lot

24,150

Table 4.10-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
59th (East)

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
59th Street						
	W-1-13 (existing)	728.0	714.68	50	5.000/	13.3
	UJ-7	728.0	717.48	56	5.00%	10.5
	UJ-6	731.0	721.98	300	1.50%	9.0
	111.5	707.0	700 40	280	1.50%	
	UJ-5	737.0	726.18			10.8

Table 4.10-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

59th (East)

Engineer's Opinion of Probable Construction Cost

	Арр			te	Unit			
No.	Pay Item		Quantity			Price		Amount
MAINLIN	NE SEWER							
1	SANITARY SEW	VER (OPEN CUT)						
'	8-inch	8-12 feet deep	620	lin. ft.	\$	87.00	\$	53,940
	0	12-16 feet deep	16	lin. ft.	\$	106.00	\$	1,696
0	CANUTADY MAA	IIIOI E0				_		
2	SANITARY MAN 48-inch	8-12 feet deep	3	each	Ф	6,400.00	¢	19,200
	40-111011	12-16 feet deep	0	each	<u>\$</u> \$	7,700.00	<u>\$</u> \$	19,200
		12-10 leet deep	U	Cacii	Ψ	7,700.00	Ψ	
3	CONNECTION	TO EXISTING MANHOL	.E					
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TDENOUDACK							
4	TRENCH BACK 8-inch	8-12 feet deep	620	lin. ft.	\$	113.00	¢	70,060
	0-111011	12-16 feet deep	16	lin. ft.	\$	137.00	<u>\$</u> \$	2,192
		12 10 loot doop	10		Ψ	107.00	Ψ	2,102
5	TREE TUNNELI	NG	0	lin. ft.	\$	192.00	\$	0
								_
6	SEWER TELEV	ISING FOR FINAL INSP			•	0.00	•	4 000
			636	lin. ft.	\$	3.00	\$	1,908
7	SEWER TESTIN	IG FOR FINAL INSPEC	TION					
•			636	lin. ft.	\$	3.00	\$	1,908
								,
8		OVAL AND REPLACEM						
	12-inch		0	lin. ft.	\$	81.00	\$	0
9	RESTORATION	OF LAWNS						
9	AND PARKWAY							
	Topsoil an		50	sq.yd.	\$	14.00	\$	700
				.,	<u> </u>		<u></u>	
10	RESTORATION							
	Bit. Concret	e Street	565	sq.yd.	\$	64.00	\$	36,160
11	REMOVE AND F	REPLACE DRIVEWAYS	•					
	Bituminous	L. L. OL DINIVLVIATO		sq.yd.	\$	48.00	\$	0

Table 4.10-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
59th (East)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price Pay Item Amount No. 12 TRAFFIC CONTROL: Lump Sum \$ 4,655 **SUBTOTAL** \$ 198,619 SERVICE LATERALS 1 BUILDING SERVICE LINES Near side 100 lin. ft. \$ 50.00 \$ 5,000 \$ 50.00 \$ Far side 0 lin. ft. 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 4 2,216 each 554.00 Far side 0 each \$ 682.00 0 \$ **BUILDING SERVICE PLUG:** 4 208.00 \$ 832 each 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 91 sq.yd. \$ 14.00 \$ 1,274 RESTORATION OF STREETS: PCC Curb & Gutter 40 lin. ft. \$ 36.00 \$ 1,440 6 TRENCH BACKFILL 0-8 feet deep 40 lin. ft. 62.00 \$ 2,480 \$ **SUBTOTAL** \$ 13,242 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 211,900 Contingencies (20%) 42,400 Engineering 42,400 (20%)Legal / Admin 17,800 (6%)TOTAL OPINION OF PROBABLE COST 314,500

Cost per lot

78,630

Table 4.10-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th (West)

Preliminary Design Layout

Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
60th Street					
W-1-104-E (existing)	741.2	735.84	400	0.40%	5.3
UJ-8	746.0	737.44	400	0.4070	8.6

Table 4.10-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th (West)

Engineer's Opinion of Probable Construction Cost

			te	Unit				
No.	Pay Item		Quantity			Price		Amount
MAINLIN	NE SEWER							
1	SANITARY SEWE 8-inch	R (OPEN CUT) 0-8 feet deep 8-12 feet deep	150 250	lin. ft. lin. ft.	\$ \$	75.00 87.00	\$	11,250 21,750
2	SANITARY MANH 48-inch	OLES 0-8 feet deep 8-12 feet deep	0 1	each each	\$ \$	4,800.00 6,400.00	\$ \$	0 6,400
3	CONNECTION TO 8-inch	EXISTING MANHOL	E 1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFII 8-inch	_L 8-12 feet deep	160	lin. ft.	\$	113.00	\$	18,080
5	TREE TUNNELING	G	100	lin. ft.	\$	192.00	\$	19,200
6	SEWER TELEVIS	NG FOR FINAL INSP	ECTION 400	lin. ft.	\$	3.00	\$	1,200
7	SEWER TESTING	FOR FINAL INSPEC	TION 400	lin. ft.	\$	3.00	\$	1,200
8	CULVERT REMOV 12-inch	/AL AND REPLACEM	IENT 105	lin. ft.	\$	81.00	\$	8,505
9	RESTORATION O AND PARKWAYS: Topsoil and		733	sq.yd.	\$	14.00	\$	10,262
10	RESTORATION O Bit. Concrete		0	sq.yd.	\$	64.00	\$	0
11	REMOVE AND RE Bituminous Aggregate	PLACE DRIVEWAYS	100	sq.yd. sq.yd.	\$ \$	48.00 20.00	\$ \$	4,800 180
12	TREE REMOVAL	AND TRIMMING:			Lum	p Sum	\$	2,328

Table 4.10-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th (West)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price Pay Item Amount No. 13 EROSION CONTROL Lump Sum \$ 665 14 TRAFFIC CONTROL: Lump Sum \$ 1,995 **SUBTOTAL** \$ 114,015 **SERVICE LATERALS** 1 BUILDING SERVICE LINES Near side 128 lin. ft. 6.400 50.00 Far side \$ 50.00 \$ 7,500 150 lin. ft. 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 8 each 554.00 4,432 3 \$ \$ Far side 682.00 2,046 each 3 BUILDING SERVICE PLUG: 11 \$ 208.00 \$ 2,288 each 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 222 sq.yd. 14.00 \$ 3,108 5 RESTORATION OF STREETS: Bit. Concrete Street \$ 63.00 \$ 3,843 sq.yd. TRENCH BACKFILL 0-8 feet deep 81 lin. ft. \$ 62.00 \$ 5,022 **SUBTOTAL** 34,639 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 148,700 Contingencies 29,700 (20%)Engineering (20%)29,700 Legal / Admin (6%) 12,500 TOTAL OPINION OF PROBABLE COST 220,600 \$

Cost per lot

20,050

Table 4.10-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th and Cumnor

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
60th Stree	<u>t</u>					
	G-5-095 (existing)	747.0	735.10	267	0.40%	11.9
	UJ-9	745.0	736.17	207	0.4070	8.8

Table 4.10-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th and Cumnor

Engineer's Opinion of Probable Construction Cost

			te					
No.	Pay Item		Quantity			Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWE 8-inch	R (OPEN CUT) 8-12 feet deep	267	lin. ft.	\$	87.00	\$	23,229
2	SANITARY MANH 48-inch	OLES 8-12 feet deep	1	each	\$	6,400.00	\$	6,400
3	CONNECTION TO 8-inch	EXISTING MANHOLE	1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFII 8-inch	LL 8-12 feet deep	60	lin. ft.	\$	113.00	\$	6,780
5	TREE TUNNELING	G	50	lin. ft.	\$	192.00	\$	9,600
6	SEWER TELEVIS	ING FOR FINAL INSPE	ECTION 267	lin. ft.	\$	3.00	\$	801
7	SEWER TESTING	FOR FINAL INSPECT	TION 267	lin. ft.	\$	3.00	\$	801
8	CULVERT REMOV	/AL AND REPLACEME	ENT 60	lin. ft.	\$	81.00	\$	4,860
9	RESTORATION O AND PARKWAYS: Topsoil and		378	sq.yd.	\$	14.00	\$	5,292
10	RESTORATION O Bit. Concrete		0	sq.yd.	\$	64.00	\$	0
11	REMOVE AND RE Bituminous Aggregate	PLACE DRIVEWAYS	76 16	sq.yd. sq.yd.	\$	48.00 20.00	\$ \$	3,648 320
12	TREE REMOVAL	AND TRIMMING:			Lump	o Sum	\$	1,995

Table 4.10-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th and Cumnor

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price		Amount
13	EROSION CONTROL			Lump	Sum	\$	665
14	TRAFFIC CONTROL:			Lump	Sum	\$	1,995
	SUBTOTAL					\$	72,586
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	64 150	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$	3,200 7,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4 3	each each	\$ \$	554.00 682.00	\$ \$	2,216 2,046
3	BUILDING SERVICE PLUG:	7	each	\$	208.00	\$	1,456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	178	sq.yd.	\$	14.00	\$	2,492
5	RESTORATION OF STREETS: Bit. Concrete Street	64	sq.yd.	\$	63.00	\$	4,032
6	TRENCH BACKFILL 0-8 feet deep	84	lin. ft.	\$	62.00	\$	5,208
	SUBTOTAL					\$	28,150
	TOTAL ESTIMATE OF CONS	STRUCTION COST	Γ			\$	100,700
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				20,100 20,100 8,500
	TOTAL OPINION OF PROBA	BLE COST				\$	149,400
					Cost per lo	ot	21,340

Table 4.10-9

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th (East)

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
60th Street						
	G-6-155 (existing)	739.0	731.19	120	2.00%	7.8
	UJ-11	744.0	733.59	120	2.0070	10.4

Table 4.10-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
60th & Cumnor

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Quantity Price Amount No. MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 20 lin. ft. 75.00 1.500 8-12 feet deep 100 lin. ft. \$ 87.00 \$ 8,700 2 SANITARY MANHOLES 0-8 feet deep 0 48-inch each 4,800.00 \$ 8-12 feet deep 1 each \$ 6,400.00 \$ 6,400 CONNECTION TO EXISTING MANHOLE 8-inch 1 6,200.00 \$ 6,200 each 4 TRENCH BACKFILL 8-inch 8-12 feet deep 44 lin. ft. \$ 113.00 \$ 4,972 TREE TUNNELING 30 lin. ft. 192.00 \$ 5,760 6 SEWER TELEVISING FOR FINAL INSPECTION 120 lin. ft. \$ 3.00 \$ 360 7 SEWER TESTING FOR FINAL INSPECTION 120 lin. ft. 3.00 \$ 360 8 CULVERT REMOVAL AND REPLACEMENT 15-inch 30 lin. ft. 103.00 \$ 3,090 \$ 9 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 244 sq.yd. \$ 14.00 \$ 3,416 10 RESTORATION OF STREETS: Bit. Concrete Street sq.yd. \$ 64.00 \$ 0 11 REMOVE AND REPLACE DRIVEWAYS 30 sq.yd. 1,440 Bituminous 48.00 \$ 20.00 \$ Aggregate 0 sq.yd. 0 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ 665

Table 4.10-10 **Downers Grove Sanitary District** Possible Special Assessment for Sanitary Sewers 60th & Cumnor **Engineer's Opinion of Probable Construction Cost**

No.	Pay Item		Approximate Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump	Sum	\$	333
14	TRAFFIC CONTROL:			Lump	Sum	\$	665
	SUBTOTAL					\$	43,861
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	32 50	lin. ft. lin. ft.	\$	50.00	\$	1,600 2,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	2	each each	\$ \$	554.00 682.00	\$ \$	1,108 682
3	BUILDING SERVICE PLUG:	3	each	\$	208.00	\$	624
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	67	sq.yd.	\$	14.00	\$	938_
5	RESTORATION OF STREETS: Bit. Concrete Street	21	sq.yd.	\$	63.00	\$	1,323
6	TRENCH BACKFILL 0-8 feet deep	28	lin. ft.	\$	62.00	\$	1,736
	SUBTOTAL					\$	10,511
	TOTAL ESTIMATE OF CON	ISTRUCTION COST	Γ			\$	54,400
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				10,900 10,900 4,600
	TOTAL OPINION OF PROB	ABLE COST				\$	80,800
					Cost per lo	ot	26,930

Table 4.10-11

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cumnor (South)

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Cumnor Roa	<u>ad</u>					
	UJ-13	740.0	728.50	220	2.00%	11.5
	UJ-12	746.0	735.10	330	2.00%	10.9

Table 4.10-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cumnor (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Price Quantity Amount No. MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 80 lin. ft. 75.00 6.000 8-12 feet deep 250 lin. ft. \$ 87.00 \$ 21,750 2 SANITARY MANHOLES 0-8 feet deep 0 48-inch each 4,800.00 8-12 feet deep 1 each 6,400.00 \$ 6,400 CONNECTION TO EXISTING MANHOLE 8-inch each 6,200.00 \$ 6,200 4 TRENCH BACKFILL 8-inch 0-8 feet deep 30 lin. ft. 93.00 2.790 \$ 8-12 feet deep 50 113.00 \$ lin. ft. 5,650 TREE TUNNELING lin. ft. \$ 192.00 \$ 0 SEWER TELEVISING FOR FINAL INSPECTION 3.00 330 lin. ft. \$ 990 7 SEWER TESTING FOR FINAL INSPECTION 330 lin. ft. 3.00 990 **CULVERT REMOVAL AND REPLACEMENT** 81.00 12-inch \$ 1,539 19 lin. ft. RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 600 sq.yd. 14.00 \$ 8,400 10 RESTORATION OF STREETS: Bit. Concrete Street 64.00 2,304 36 sq.yd. PCC Curb & Gutter 10 lin. ft. \$ 41.00 \$ 410 sq. ft. \$ 13.00 650 PCC Sidewalk 50 11 REMOVE AND REPLACE DRIVEWAYS 48.00 **Bituminous** 76 sq.yd. \$ 3,648 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ 665

Table 4.10-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Cumnor (South)

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price No. Pay Item Amount 13 EROSION CONTROL Lump Sum \$ 333 14 TRAFFIC CONTROL: Lump Sum \$ 2,993 **SUBTOTAL** \$ 71,711 **SERVICE LATERALS** 1 BUILDING SERVICE LINES Near side 32 lin. ft. 1,600 50.00 Far side 0 lin. ft. \$ 50.00 \$ 0 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 2 each 554.00 1,108 Far side 0 \$ \$ 682.00 0 each 3 BUILDING SERVICE PLUG: 2 each \$ 208.00 \$ 416 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 50 14.00 \$ 700 sq.yd. 5 RESTORATION OF STREETS: Bit. Concrete Street 63.00 \$ 0 sq.yd. TRENCH BACKFILL 0-8 feet deep lin. ft. 62.00 \$ 0 **SUBTOTAL** 3,824 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 75,500 Contingencies (20%)15,100 Engineering (20%)15,100 Legal / Admin (6%) 6,300 TOTAL OPINION OF PROBABLE COST 112,000 \$

Cost per lot

56,000

Table 4.10-13

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
61st and Cumnor

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
61st Street						
	W-1-41 (existing)	736.3	725.04	50	0.400/	11.3
	UJ-14	734.0	725.24	50	0.40%	8.8
	UJ-15	734.0	726.76	380	0.40%	7.2
				310	0.60%	–
	UJ-16	741.0	728.62			12.4

Table 4.10-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
61st and Cumnor

Engineer's Opinion of Probable Construction Cost

Approximate Unit Pay Item Price Quantity Amount No. MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) 8-inch 0-8 feet deep 80 lin. ft. 75.00 6.000 8-12 feet deep 660 lin. ft. \$ 87.00 \$ 57,420 2 SANITARY MANHOLES 0-8 feet deep 4,800 48-inch 1 each 4,800.00 12,800 8-12 feet deep 2 each 6,400.00 \$ CONNECTION TO EXISTING MANHOLE 8-inch each 6,200.00 \$ 6,200 4 TRENCH BACKFILL 8-inch 0-8 feet deep 80 lin. ft. 93.00 7.440 \$ 8-12 feet deep 113.00 \$ 74,580 660 lin. ft. TREE TUNNELING lin. ft. \$ 192.00 \$ SEWER TELEVISING FOR FINAL INSPECTION 3.00 740 lin. ft. \$ 2,220 7 SEWER TESTING FOR FINAL INSPECTION 740 lin. ft. 3.00 2,220 **CULVERT REMOVAL AND REPLACEMENT** 12-inch lin. ft. 81.00 \$ 0 0 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 33 sq.yd. 14.00 \$ 462 10 RESTORATION OF STREETS: Bit. Concrete Street 64.00 42,112 658 sq.yd. PCC Curb & Gutter 120 lin. ft. \$ 41.00 \$ 4,920 sq. ft. \$ 13.00 PCC Sidewalk 650 50 11 REMOVE AND REPLACE DRIVEWAYS 48.00 **Bituminous** 0 sq.yd. \$ 0 12 TREE REMOVAL AND TRIMMING: Lump Sum \$ 665

Table 4.10-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
61st and Cumnor

Engineer's Opinion of Probable Construction Cost

Approximate Unit Quantity Price Pay Item Amount No. 13 EROSION CONTROL Lump Sum \$ 1,995 14 TRAFFIC CONTROL: Lump Sum \$ 6,650 **SUBTOTAL** \$ 231,134 **SERVICE LATERALS** 1 BUILDING SERVICE LINES Near side 336 lin. ft. 16.800 50.00 Far side \$ 50.00 \$ 0 lin. ft. 0 2 BUILDING SERVICE **BRANCH FITTINGS** Near Side 12 each 554.00 6,648 \$ \$ Far side 0 682.00 0 each 3 BUILDING SERVICE PLUG: 12 each \$ 208.00 \$ 2,496 4 RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod 300 14.00 \$ 4,200 sq.yd. 5 RESTORATION OF STREETS: Bit. Concrete Street \$ 63.00 \$ 0 sq.yd. TRENCH BACKFILL 0-8 feet deep lin. ft. \$ 62.00 \$ 0 **SUBTOTAL** 30,144 TOTAL ESTIMATE OF CONSTRUCTION COST \$ 261,300 Contingencies (20%)52,300 Engineering (20%)52,300 Legal / Admin (6%) 22,000 TOTAL OPINION OF PROBABLE COST 387,900 \$

Cost per lot

32,330

Table 4.10-15

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
61st (East)

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
61st Street						
	G-6-155 (existing)	739.0	731.19	230	2.00%	7.8
	UJ-17	744.0	735.79	200	2.0070	8.2

Table 4.10-16 **Downers Grove Sanitary District Possible Special Assessment for Sanitary Sewers Engineer's Opinion of Probable Construction Cost**

Approximate Unit Quantity Price Amount No. Pay Item MAINLINE SEWER 1 SANITARY SEWER (OPEN CUT) <u>\$</u> 0-8 feet deep 9,750 8-inch 130 lin. ft. 75.00 \$ 8-12 feet deep 100 lin. ft. 87.00 8,700 2 SANITARY MANHOLES 4,800 48-inch 0-8 feet deep 1 4,800.00 \$ each \$ \$ 8-12 feet deep 0 each 6,400.00 3 CONNECTION TO EXISTING MANHOLE 8-inch each \$ 6.200.00 \$ 6,200

	O-IIICII		ı	eacn	φ	6,200.00	φ	6,200
4	TRENCH BACKFILL							
	8-inch	0-8 feet deep	15	lin. ft.	\$	93.00	\$	1,395
		8-12 feet deep	15	lin. ft.	\$	113.00	\$ \$	1,695
5	TREE TUNNELING		20	lin. ft.	\$	192.00	\$	3,840
6	SEWER TELEVISIN	G FOR FINAL INSPECT						
			230	lin. ft.	\$	3.00	\$	690
7	SEWER TESTING F	FOR FINAL INSPECTION					_	
			230	lin. ft.	\$	3.00	\$	690
8		AL AND REPLACEMENT		l: 6	•	04.00	•	4 000
	12-inch		20	lin. ft.	\$	81.00	\$	1,620
9	RESTORATION OF AND PARKWAYS:	LAWNS						
		.d	111	og vd	ф	14.00	φ	6 046
	Topsoil and so	u	444	sq.yd.	\$	14.00	\$	6,216
10	RESTORATION OF				•	04.00	•	
	Bit. Concrete St		0	sq.yd.	\$ \$ \$	64.00	\$ \$ \$	0
	PCC Curb & Gu	itter	0	lin. ft.	\$	41.00	\$	0
	PCC Sidewalk		0	sq. ft.	\$	13.00	\$	0
11	REMOVE AND REP	LACE DRIVEWAYS						
	Bituminous		13	sq.yd.	\$	48.00	\$	624
12	TREE REMOVAL AN	ND TRIMMING:			Lum	p Sum	\$	1,330

Table 4.10-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
61st (East)

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price		Amount
INO.	r ay item	Quantity			FIICE		Amount
13	EROSION CONTROL			Lump	Sum	\$	333
14	TRAFFIC CONTROL:			Lump	Sum	\$	2,660
	SUBTOTAL					\$	50,543
SERVIC	E LATERALS						
1	BUILDING SERVICE LINES						
	Near side	84	lin. ft.	\$	50.00	<u>\$</u>	4,200
	Far side	0	lin. ft.	\$	50.00	\$	0
2	BUILDING SERVICE BRANCH FITTINGS						
	Near Side	3	each	\$	554.00	\$	1,662
	Far side	0	each	\$	682.00	\$	0
3	BUILDING SERVICE PLUG:	3	each	\$	208.00	\$	624
4	RESTORATION OF LAWNS						
	AND PARKWAYS:						
	Topsoil and sod	75	sq.yd.	\$	14.00	\$	1,050
5	RESTORATION OF STREETS:						
	Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	0
6	TRENCH BACKFILL						
	0-8 feet deep	0	lin. ft.	\$	62.00	\$	0
	SUBTOTAL					\$	7,536
	TOTAL ESTIMATE OF CON	STRUCTION COST	_			\$	58,100
		Contingencies	(20%)				11,600
		Engineering Legal / Admin	(20%) (6%)				11,600 4,900
	TOTAL OPINION OF PROB	ABLE COST				\$	86,200
					Cost per lo	ot	28,730

Table 4.10-17

Downers Grove Sanitary District

Possible Special Assessments for Sanitary Sewers
60th and Cumnor Sub-Area

Cost Summary

Sub-Basin:	Near Services	Far Services	Т	otal Project Cost		Cost per lot
504 (M)	0	7	Φ.	000 000	Φ.	04.450
59th (West)	8	1	\$	362,300	\$	24,150
59th (East)	4	0	\$	314,500	\$	78,630
60th (West)	8	3	\$	220,600	\$	20,050
60th and Cumnor	4	3	\$	149,400	\$	21,340
60th (East)	2	1	\$	80,800	\$	26,930
Cumnor (South)	2	0	\$	112,000	\$	56,000
61st and Cumnor	12	0	\$	387,900	\$	32,330
61st (East)	3	0	\$	86,200	\$	28,730
			_		_	
TOTALS	43	14	\$	1,713,700	\$	30,060

4.11 63rd Corridor

The 63rd 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, 62nd Street to the north, Florence Avenue to the east, and 65th 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 63rd 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 63rd 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 63rd Corridor sub-area.

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

The following are the proposed sub-basins:

Sub-basin	No. of Services	Layout	Cost Estimate
Carpenter and 63rd	8	Table 4.11-1	Table 4.11-2
Norfolk and Carpenter	8	Table 4.11-3	Table 4.11-4
Meadowlawn and Washington	28	Table 4.11-5	Table 4.11-6
63 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

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 \$207,800, 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 \$161,800, 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 \$845,200, 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 \$360,000, 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 63rd Street. The sewer on the south side of 63rd 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 63rd, 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 \$477,400, 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 \$46,900, 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 \$293,000, 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 \$182,300, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.11

63rd CORRIDOR

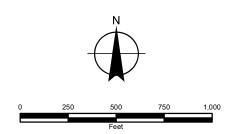
POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND

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

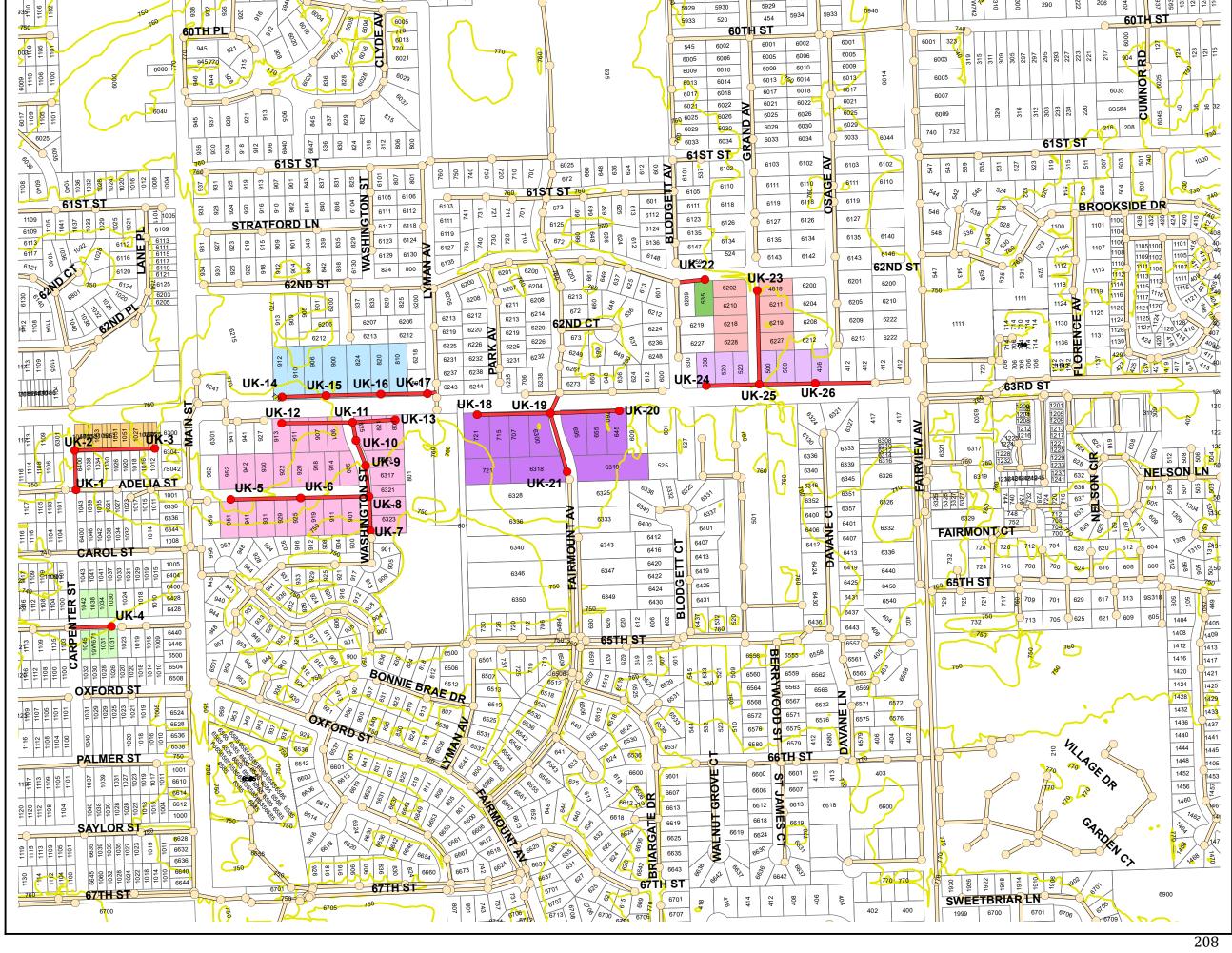
GRAND AVENUE; TABLES 4.11-15, 4.11-16





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290

Table 4.11-1

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Carpenter and 63rd

Preliminary Design Layout

	Manhole Number	<u>lumber Rim</u> <u>Invert</u> <u>Length</u>		Length (ft)	Slope	Manhole <u>Depth</u>
Carpenter	Street					
	UK-1	745.9	740.75	223	0.40%	5.1
	UK-2	750.0	741.64	223	0.40%	8.4
63rd Stree	<u>et</u>			420	2.400/	
	UK-3	767.0	754.97	430	3.10%	12.0

Table 4.11-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Carpenter and 63rd

Engineer's Opinion of Probable Construction Cost

			Approxima	te		Unit		
No.	Pay Item		Quantity			Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWE	ER (OPEN CUT)						
	8-inch	0-8 feet deep	223	lin. ft.	\$	75.00	\$	16,725
		8-12 feet deep	430	lin. ft.	\$	87.00	\$	37,410
2	SANITARY MANH	IOI ES						
2	48-inch	0-8 feet deep	1	each	\$	4,800.00	\$	4,800
	10 111011	8-12 feet deep	1	each	\$	6,400.00	<u>\$</u> \$	6,400
		·						·
3		EXISTING MANHO			Φ.	0.000.00	Φ.	0.000
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFI	LL						
-	8-inch	0-8 feet deep	60	lin. ft.	\$	93.00	\$	5,580
		8-12 feet deep	76	lin. ft.	\$ \$	113.00	\$	8,588
5	TREE TUNNELIN	G	60	lin. ft.	\$	192.00	\$	11,520
6	SEWER TELEVIS	ING FOR FINAL INS		l: 6	•	0.00	•	4.050
			653	lin. ft.	<u>\$</u>	3.00	\$	1,959
7	SEWER TESTING	FOR FINAL INSPE	CTION					
·			653	lin. ft.	\$	3.00	\$	1,959
8		VAL AND REPLACE		6	•	0.4.00	•	
	12-inch		0	lin. ft.	<u>\$</u>	81.00	\$	0
9	RESTORATION C	OF LAWNS						
	AND PARKWAYS							
	Topsoil and	sod	1,384	sq.yd.	\$	14.00	\$	19,382
4.0	DESTORATION							
10	RESTORATION C Bit. Concrete		27	og vd	\$	64.00	¢	1 707
	Dit. Concrete	Sileet	21	sq.yd.	φ	04.00	\$	1,707
11	REMOVE AND RE	EPLACE DRIVEWAY	'S					
	Bituminous			sq.yd.	\$	48.00	\$	683
	Aggregate		4	sq.yd.	\$	20.00	\$	89
12	TREE REMOVAL	AND TRIMMING:			Lum	ıp Sum	\$	2,660

Table 4.11-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Carpenter and 63rd

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price		Amount
13	EROSION CONTROL			Lump \$	Sum	\$	665
14	TRAFFIC CONTROL:			Lump §	Sum	\$	1,330
15	SPECIAL RESTORATION:			Lump §	Sum	\$	1,995
	SUBTOTAL					\$	129,651
SERVICE	ELATERALS						
1	BUILDING SERVICE LINES Near side Far side	60 0	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	3,000
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	8	each each	<u>\$</u>	554.00 682.00	\$ \$	4,432 0
3	BUILDING SERVICE PLUG:	8	each	\$	208.00	\$	1,664
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	89	sq.yd.	\$	14.00	\$	1,244
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	62.00	\$	0
	SUBTOTAL					\$	10,340
	TOTAL ESTIMATE OF CONS	STRUCTION COS	T			\$	140,000
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				28,000 28,000 11,800
	TOTAL OPINION OF PROBA	ABLE COST				\$	207,800
					Cost per lo	ot	25,980

Table 4.11-3

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Norfolk and Carpenter

Preliminary 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	0.1070	8.6

Table 4.11-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Norfolk and Carpenter

Engineer's Opinion of Probable Construction Cost

			Approxima	te	Unit			_
No.	Pay Item		Quantity			Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWI 8-inch	ER (OPEN CUT) 0-8 feet deep	60	lin. ft.	\$	75.00	\$	4,500
		8-12 feet deep	170	lin. ft.	\$	87.00	\$	14,790
2								
	48-inch	0-8 feet deep	1	each	\$	4,800.00	<u>\$</u> \$	4,800
		8-12 feet deep	0	each	\$	6,400.00	\$	0
3		O EXISTING MANHOL						
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKF	TLL						
	8-inch	0-8 feet deep	65	lin. ft.	<u>\$</u> \$	93.00	<u>\$</u> \$	6,045
		8-12 feet deep	15	lin. ft.	\$	113.00	\$	1,695
5	TREE TUNNELIN	IG	50	lin. ft.	\$	192.00	\$	9,600
6	SEWER TELEVIS	SING FOR FINAL INSP	FCTION					
v	02112111		230	lin. ft.	\$	3.00	\$	690
7	SEWER TESTING	G FOR FINAL INSPEC						
			230	lin. ft.	\$	3.00	\$	690
8	CULVERT REMO	OVAL AND REPLACEM	IENT					
J	12-inch		70	lin. ft.	\$	81.00	\$	5,670
9	RESTORATION (OF LAWNS						
	AND PARKWAYS	3:						
	Topsoil and	sod	373	sq.yd.	\$	14.00	\$	5,222
10	RESTORATION (OF STREETS:						
	Bit. Concrete	Street	31	sq.yd.	\$	64.00	\$	1,984
11		EPLACE DRIVEWAYS						
	Bituminous			sq.yd.	\$	48.00	\$ \$	768
	Aggregate		0	sq.yd.	\$	20.00	\$	0
12	TREE REMOVAL	. AND TRIMMING:			Lum	p Sum	\$	1,330

Table 4.11-4

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Norfolk and Carpenter

Engineer's Opinion of Probable Construction Cost

	5 "	Approxima			Unit		Amount	
No.	Pay Item	Quantity			Price		Amount	
13	EROSION CONTROL			Lum	p Sum	\$	333	
14	TRAFFIC CONTROL:			Lum	p Sum	\$	1,995	
15	SPECIAL RESTORATION:			Lum	p Sum	\$	998	
16	WATER MAIN RELOCATION:	1	each	\$	7,100.00	\$	7,100	
	SUBTOTAL					\$	74,409	
SERVICE	E LATERALS							
1	BUILDING SERVICE LINES							
'	Near side	60	lin ft.	\$	50.00	\$	3,000	
	Far side	204	lin ft.	\$ \$	50.00	\$	10,200	
2	BUILDING SERVICE BRANCH FITTINGS							
	Near Side	4	each	\$	554.00	\$	2,216	
	Far side	4	each	\$	682.00	\$	2,728	
3	BUILDING SERVICE PLUG:	8	each	\$	208.00	\$	1,664	
4	RESTORATION OF LAWNS AND PARKWAYS:							
	Topsoil and sod	222	sq.yd.	\$	14.00	\$	3,108	
5	RESTORATION OF STREETS:							
	Bit. Concrete Street	75	sq.yd.	\$	63.00	\$	4,725	
6	TRENCH BACKFILL							
	0-8 feet deep	112	lin. ft.	\$	62.00	\$	6,944	
	SUBTOTAL					\$	34,585	
	TOTAL ESTIMATE OF CONS	STRUCTION COS	T			\$	109,000	
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				21,800 21,800 9,200	
			(070)					
	TOTAL OPINION OF PROBA	ABLE COST				\$	161,800	
					Cost per lo	ot	20,230	

Table 4.11-5

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meadowlawn and Washington

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	<u>Slope</u>	Manhole <u>Depth</u>
Washington	n Street					
	H-6-55 (existing)	754.1	746.44			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
	UK-11	766.0	755.44			14.0
<u>Meadowlav</u>	vn Avenue					
	UK-6	764.0	753.44	400	1.50%	10.6
	UK-5	770.0	759.07	375	1.50%	10.9
63rd Street				400	1.50%	
	UK-12	772.0	759.44			12.6
	UK-13	763.0	754.52	270	0.40%	8.5

Table 4.11-6

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Meadowlawn and Washington

Engineer's Opinion of Probable Construction Cost

		Approximate			Unit			
No.	Pay Item		Quantity			Price		Amount
MAINILIN	IE SEWER							
WAINLIN	IE SEWER							
1	SANITARY SEV	VER (OPEN CUT)						
·	8-inch	0-8 feet deep	40	lin. ft.	\$	75.00	\$	3,000
		8-12 feet deep	1,810	lin. ft.	\$	87.00	\$	157,470
		12-16 feet deep	290	lin. ft.	\$ \$	106.00	\$	30,740
0	CANUTADY	VIII.O. E.C.						
2	SANITARY MAI 48-inch		4	aaah	c	4 900 00	φ	4 900
	46-Inch	0-8 feet deep	1	each each	\$ \$	4,800.00	\$ \$ \$	4,800
		8-12 feet deep 12-16 feet deep	6 2	each	\$	6,400.00 7,700.00	<u>φ</u>	38,400
		12-16 leet deep	2	eacn	ф	7,700.00	Ф	15,400
3	CONNECTION	TO EXISTING MANH	OLE					
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	25	lin. ft.	\$	93.00	\$ \$	2,325
		8-12 feet deep	520	lin. ft.	\$	113.00	\$	58,760
		12-16 feet deep	100	lin. ft.	\$	137.00	\$	13,700
5	TREE TUNNEL	ING	210	lin. ft.	\$	192.00	\$	40,320
6	SEWER TELEV	ISING FOR FINAL IN		6	•		•	0.400
			2,140	lin. ft.	\$	3.00	\$	6,420
7	SEWER TESTI	NG FOR FINAL INSPI	ECTION					
,	OLWEN TEOTH	TO FORT HUILDING	2,140	lin. ft.	\$	3.00	\$	6,420
			_,		<u> </u>		<u> </u>	
8	CULVERT REM	IOVAL AND REPLAC	EMENT					
	12-inch		80	lin. ft.	\$	81.00	\$	6,480
9	RESTORATION	I OE I AWNS						
9	AND PARKWAY	-						
	Topsoil ar		3 422	sq.yd.	\$	14.00	\$	47,908
			0,	- 4.7				,000
10	RESTORATION	OF STREETS:						
	Bit. Concre	te Street	93	sq.yd.	\$	64.00	\$	5,952
44			Ve					
11	Bituminous	REPLACE DRIVEWA		sq.yd.	¢	48.00	¢	6,912
	Aggregate			sq.yu. sq.yd.	<u>\$</u> \$	20.00	<u>\$</u> \$	200
	Aggregate		10	sq.yu.	Ψ	20.00	Ψ	200

No.	Pay Item	Approxima Quantity		Unit Price		Amount
12	TREE REMOVAL AND TRIMMING	i:		Lump Sum	\$	2,660
13	EROSION CONTROL			Lump Sum	\$	665
14	TRAFFIC CONTROL:			Lump Sum	\$	5,320
15	SPECIAL RESTORATION:			Lump Sum	\$	3,325
	SUBTOTAL				\$	463,377
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	300 408	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$ \$	15,000 20,400
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	20 8	each each	\$ 554.00 \$ 682.00	\$ \$	11,080 5,456
3	BUILDING SERVICE PLUG:	28	each	\$ 208.00	\$	5,824
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	578	sq.yd.	\$ 14.00	\$	8,092
5	RESTORATION OF STREETS: Bit. Concrete Street	156	sq.yd.	\$ 63.00	\$	9,828
6	TRENCH BACKFILL 0-8 feet deep	224	lin. ft.	\$ 62.00	\$	13,888
	SUBTOTAL				\$	89,568
	TOTAL ESTIMATE OF CONS	TRUCTION COS	Т		\$	552,900
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) isition			110,600 110,600 46,400 24,700
	TOTAL OPINION OF PROBA	BLE COST			\$	845,200
				Cost per lo	ot	30,190

Table 4.11-7

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Lyman

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	Invert	Length (ft)	Slope	Manhole <u>Depth</u>
63rd Stree	<u>t</u>					
	G-3-76A (existing)	762.0	754.60	F0	0.400/	7.4
	UK-17	763.0	754.80	50	0.40%	8.2
	UK-16	764.0	755.80	250	0.40%	8.2
	UK-15	769.0	759.40	300	1.20%	9.6
	UK-14	771.0	762.40	250	1.20%	8.6

Table 4.11-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Lyman

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		Approxima Quantity			Unit Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEWI 8-inch	0-8 feet deep	30	lin. ft.	\$	75.00	<u>\$</u> \$	2,250
		8-12 feet deep	820	lin. ft.	\$	87.00	\$	71,340
2	SANITARY MANI	-						
	48-inch	0-8 feet deep	0	each	\$	4,800.00	\$	0
		8-12 feet deep	4	each	\$	6,400.00	\$	25,600
3	CONNECTION T	O EXISTING MANHO	OLE					
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKF	TII 1						
•	8-inch	0-8 feet deep	10	lin. ft.	\$	93.00	\$	930
		8-12 feet deep	215	lin. ft.	\$	113.00	\$	24,295
5	TREE TUNNELIN	IG	145	lin. ft.	\$	192.00	\$	27,840
6	SEWER TELEVIS	SING FOR FINAL IN	SPECTION					
			850	lin. ft.	\$	3.00	\$	2,550
7	SEWER TESTING	G FOR FINAL INSPE	CTION					
			850	lin. ft.	\$	3.00	\$	2,550
8	CULVERT REMO	OVAL AND REPLACE	EMENT					
	12-inch		30	lin. ft.	\$	81.00	\$	2,430
9	RESTORATION (OF LAWNS						
	AND PARKWAYS							
	Topsoil and	sod	1,656	sq.yd.	\$	14.00	\$	23,184
10	RESTORATION (OF STREETS:						
	Bit. Concrete	Street	28	sq.yd.	\$	64.00	\$	1,792
11	REMOVE AND R	EPLACE DRIVEWA	YS					
	Bituminous		106	sq.yd.	\$	48.00	\$	5,088
	Aggregate		8	sq.yd.	\$	20.00	\$	160
12	TREE REMOVAL	. AND TRIMMING:			Lum	ıp Sum	\$	3,325

Table 4.11-8

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Lyman

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price		Amount
13	EROSION CONTROL	ζ		Lump		\$	665
14	TRAFFIC CONTROL:			Lump		\$	5,320
15	SPECIAL RESTORATION:			Lump		\$	1,995
	SUBTOTAL			·		\$	207,514
SERVICE	E LATERALS						
1	BUILDING SERVICE LINES Near side Far side	70 0	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	3,500 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	7 0	each each	\$ \$	554.00 682.00	\$ \$	3,878 0
3	BUILDING SERVICE PLUG:	7	each	\$	208.00	\$	1,456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	78	sq.yd.	\$	14.00	\$	1,092
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	10	lin. ft.	\$	62.00	\$	620
	SUBTOTAL					\$	10,546
	TOTAL ESTIMATE OF CONS	STRUCTION COS	ST			\$	218,100
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) disition				43,600 43,600 18,300 36,400
	TOTAL OPINION OF PROBA	ABLE COST				\$	360,000
					Cost per lo	ot	51,430

Table 4.11-9

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairmount and 63rd

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Fairmount	<u>Avenue</u>					
	G-3-20 (existing)	763.0	752.70	110	0.40%	10.3
	UK-19	765.0	753.14	330	0.40%	11.9
	UK-21	764.0	754.46	000	0.4070	9.5
63rd Street	•					
00.0	=			400	0.40%	
	UK-18	763.0	754.74		0.4007	8.3
	UK-20	762.0	754.62	370	0.40%	7.4

Table 4.11-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairmount and 63rd

Engineer's Opinion of Probable Construction Cost

	Devillen	Approxima			Unit		A
No.	Pay Item	Quantity			Price		Amount
MAINLIN	IE SEWER						
1	SANITARY SEWER (OPEN C	CUT)					
	8-inch 0-8 feet	deep 20	lin. ft.	\$	75.00	\$	1,500
	8-12 feet	deep 1,110	lin. ft.	\$	87.00	\$	96,570
2	SANITARY SEWER (AUGER	8):	lin. ft.	\$	275.00	\$	22,000
3	SANITARY MANHOLES						
	48-inch 0-8 feet	deep 1	each	\$	4,800.00	\$	4,800
	8-12 feet	deep 3	each	\$	6,400.00	<u>\$</u>	19,200
4	CONNECTION TO EXISTING	G MANHOLE					
	8-inch	1	each	\$	6,200.00	\$	6,200
5	TRENCH BACKFILL						
	8-inch 0-8 feet	•	lin. ft.	<u>\$</u> \$	93.00	\$	0
	8-12 feet	deep 419	lin. ft.	\$	113.00	\$	47,347
6	TREE TUNNELING	110	lin. ft.	\$	192.00	\$	21,120
7	SEWER TELEVISING FOR F	INAL INSPECTION					
		1,210	lin. ft.	\$	3.00	\$	3,630
8	SEWER TESTING FOR FINA	AL INSPECTION					
		1,210	lin. ft.	\$	3.00	\$	3,630
9	CULVERT REMOVAL AND R	REPLACEMENT					
	12-inch	0	lin. ft.	\$	81.00	\$	0
10							
	AND PARKWAYS:						
	Topsoil and sod	1,578	sq.yd.	\$	14.00	\$	22,092
11	RESTORATION OF STREET						
	Bit. Concrete Street	267	sq.yd.	\$	64.00	\$	17,088
12	REMOVE AND REPLACE DE	RIVEWAYS					
	Bituminous		sq.yd.	\$	48.00	\$	4,368
	Aggregate	5	sq.yd.	\$	20.00	\$	100
13	TREE REMOVAL AND TRIM	MING:		Lump	Sum	\$	2,660

Table 4.11-10

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Fairmount and 63rd

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity		Unit Price		Amount
14	EROSION CONTROL			Lump Sum	\$	665
15	TRAFFIC CONTROL:			Lump Sum	\$	5,320
16	SPECIAL RESTORATION:			Lump Sum	\$	1,663
	SUBTOTAL				\$	279,953
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	80 51	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$ \$	4,000 2,550
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	8	each each	\$ 554.00 \$ 682.00	\$ \$	4,432 682
3	BUILDING SERVICE PLUG:	9	each	\$ 208.00	\$	1,872
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	133	sq.yd.	\$ 14.00	\$	1,862
5	RESTORATION OF STREETS: Bit. Concrete Street	20	sq.yd.	\$ 63.00	\$	1,260
6	TRENCH BACKFILL 0-8 feet deep	22	lin. ft.	\$ 62.00	\$	1,364
	SUBTOTAL				\$	18,022
	TOTAL ESTIMATE OF CONS	STRUCTION COS	Т		\$	298,000
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) isition			59,600 59,600 25,000 35,200
	TOTAL OPINION OF PROBA	BLE COST			\$	477,400
				Cost per lo	ot	53,040

Table 4.11-11

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Blodgett and 62nd

Preliminary Design Layout

	Manhole Number	<u>Rim</u>	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
62nd Street						
	G-3-54 (existing)	762.0	753.64	450	0.400/	8.4
	UK-22	761.0	754.24	150	0.40%	6.8

Table 4.11-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Blodgett and 62nd

Engineer's Opinion of Probable Construction Cost

No.	Pay Itom		Approxima Quantity	te		Unit Price		Amount
NO.	Pay Item		Quantity			FIICE		Amount
MAINLIN	E SEWER							
1	SANITARY SEWER	(OPEN CUT)						
·	8-inch	0-8 feet deep	85	lin. ft.	\$	75.00	<u>\$</u> \$	6,375
		8-12 feet deep	65	lin. ft.	\$	87.00	\$	5,655
2	SANITARY MANHO	LES						
	48-inch	0-8 feet deep	1	each	\$	4,800.00	\$	4,800
		8-12 feet deep	0	each	\$	6,400.00	\$	0
3	CONNECTION TO E	EXISTING MANHOL	.E					
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFILL							
7	8-inch	- 0-8 feet deep	10	lin. ft.	\$	93.00	\$	930
		8-12 feet deep	0	lin. ft.	\$	113.00	\$	0
5	TREE TUNNELING		0	lin. ft.	\$	192.00	\$	0
6	SEWER TELEVISIN	G FOR FINAL INSE	PECTION					
· ·	0211211122110111		150	lin. ft.	\$	3.00	\$	450
7	SEWER TESTING F	OR FINAL INSPEC	TION					
			150	lin. ft.	\$	3.00	\$	450
8	CULVERT REMOVA	AL AND REPLACEM	1ENT					
	12-inch		0	lin. ft.	\$	81.00	\$	0
9	RESTORATION OF	LAWNS						
	AND PARKWAYS:							
	Topsoil and so	od	217	sq.yd.	\$	14.00	\$	3,038
10	RESTORATION OF	STREETS:						
	Bit. Concrete St	reet	0	sq.yd.	\$	64.00	\$	0
11	REMOVE AND REP	LACE DRIVEWAYS	3					
	Bituminous	<u>-</u>		sq.yd.	\$	48.00	<u>\$</u>	0
	Aggregate		0	sq.yd.	\$	20.00	\$	0
12	TREE REMOVAL A	ND TRIMMING:			Lump	Sum	\$	665

Table 4.11-12

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Blodgett and 62nd

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity			Unit Price		Amount
13	EROSION CONTROL			Lump	Sum	\$	0
14	TRAFFIC CONTROL:			Lump	Sum	\$	665
15	SPECIAL RESTORATION:			Lump	Sum	\$	665
	SUBTOTAL					\$	29,893
SERVICE	ELATERALS						
1	BUILDING SERVICE LINES Near side Far side	15 0	lin. ft. lin. ft.	\$ \$	50.00 50.00	\$ \$	750 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	1 0	each each	\$ \$	554.00 682.00	<u>\$</u>	554 0
3	BUILDING SERVICE PLUG:	1	each	\$	208.00	\$	208
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	11	sq.yd.	\$	14.00	\$	154
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$	63.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$	62.00	\$	0
	SUBTOTAL					\$	1,666
	TOTAL ESTIMATE OF CONS	STRUCTION COS	Т			\$	31,600
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)				6,300 6,300 2,700
	TOTAL OPINION OF PROBA	ABLE COST				\$	46,900
					Cost per lo	ot	46,900

Table 4.11-13

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Osage

Preliminary Design Layout

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

Table 4.11-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Osage

Engineer's Opinion of Probable Construction Cost

			Approxima	te		Unit		
No.	Pay Item		Quantity			Price		Amount
MAINLIN	IE SEWER							
1	SANITARY SEW	'ER (OPEN CUT)						
	8-inch	0-8 feet deep	400	lin. ft.	\$	75.00	\$	30,000
		8-12 feet deep	500	lin. ft.	\$ \$	87.00	\$	43,500
2	SANITARY MAN	HOI ES						
2	48-inch	0-8 feet deep	1	each	\$	4,800.00	\$	4,800
		8-12 feet deep	2	each	\$	6,400.00	\$	12,800
		·						
3		O EXISTING MANHOL			Φ.	0.000.00	Φ.	0.000
	8-inch		1	each	\$	6,200.00	\$	6,200
4	TRENCH BACK	FILL						
	8-inch	0-8 feet deep	76	lin. ft.	\$	93.00	\$	7,068
		8-12 feet deep	72	lin. ft.	\$	113.00	\$	8,136
5	TREE TUNNELII	NG	40	lin. ft.	\$	192.00	\$	7,680
0			DECTION					
6	SEWER TELEVI	SING FOR FINAL INSF	PECTION 900	lin. ft.	\$	3.00	\$	2,700
			000		Ψ	0.00	Ψ	2,700
7	SEWER TESTIN	G FOR FINAL INSPEC						
			900	lin. ft.	\$	3.00	\$	2,700
8	CUI VERT REMO	OVAL AND REPLACEN	/FNT					
J	12-inch	SVALAND NEI ENGEN	56	lin. ft.	\$	81.00	\$	4,536
					<u></u>		· · · · · ·	,
9	RESTORATION							
	AND PARKWAY Topsoil and		1 200	sq.yd.	¢	14.00	\$	18,200
	ropson and	1 50 u	1,300	sq.yu.	\$	14.00	φ	10,200
10	RESTORATION	OF STREETS:						
	Bit. Concrete	e Street	43	sq.yd.	\$	64.00	\$	2,752
11	DEMOVE AND E	REPLACE DRIVEWAYS	2					
11	Bituminous	NEFLACE DRIVEWAT	57	sq.yd.	\$	48.00	\$	2,736
	Aggregate		0	sq.yd.	\$	20.00	\$ \$	0
40	TDEE DEMONANT	AND TOWARDS		-	Lance		Φ.	4.000
12	I KEE KEMUVAI	L AND TRIMMING:			Lum	p Sum	\$	1,330

Table 4.11-14

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers
63rd and Osage

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity		Unit Price		Amount
13	EROSION CONTROL			Lump Sum	\$	665
14	TRAFFIC CONTROL:			Lump Sum	\$	4,655
	SUBTOTAL				\$	160,458
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	105 0	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$	5,250 0
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	7 0	each each	\$ 554.00 \$ 682.00	\$	3,878
3	BUILDING SERVICE PLUG:	7	each	\$ 208.00	\$	1,456
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	78	sq.yd.	\$ 14.00	\$	1,092
5	RESTORATION OF STREETS: Bit. Concrete Street	0	sq.yd.	\$ 63.00	\$	0
6	TRENCH BACKFILL 0-8 feet deep	0	lin. ft.	\$ 62.00	\$	0
	SUBTOTAL				\$	11,676
	TOTAL ESTIMATE OF CONS	STRUCTION COS	Т		\$	172,100
		Contingencies Engineering Legal / Admin Easement Acqu	(20%) (20%) (6%) isition			34,400 34,400 14,500 37,600
	TOTAL OPINION OF PROBA	BLE COST			\$	293,000
				Cost per l	ot	41,860

Table 4.11-15

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Grand Avenue

Preliminary Design Layout

	Manhole Number	Rim	<u>Invert</u>	Length (ft)	Slope	Manhole <u>Depth</u>
Grand Aver	<u>nue</u>					
	UK-25	761	751.98	490	0.409/	9.0
	UK-23	760.0	753.90	480	0.40%	6.1

Table 4.11-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Grand Avenue

Engineer's Opinion of Probable Construction Cost

No.	Pay Item		proxima Quantity			Unit Price		Amount
	•		gaanary			1 1100		7 timodrit
MAINLIN	IE SEWER							
1	SANITARY SEWER 8-inch	R (OPEN CUT) 0-8 feet deep	480	lin. ft.	\$	75.00	\$	36,000
2	SANITARY MANHO 48-inch	OLES 0-8 feet deep	1	each	\$	4,800.00	\$	4,800
3	CONNECTION TO 8-inch	EXISTING MANHOLE	1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFIL 8-inch	L 0-8 feet deep 8-12 feet deep	138 0	lin. ft. lin. ft.	\$ \$	93.00 113.00	\$ \$	12,834
5	TREE TUNNELING	3	20	lin. ft.	\$	192.00	\$	3,840
6	SEWER TELEVISII	NG FOR FINAL INSPEC	TION 480	lin. ft.	\$	3.00	\$	1,440
7	SEWER TESTING	FOR FINAL INSPECTIO	N 480	lin. ft.	\$	3.00	\$	1,440
8	CULVERT REMOV 12-inch	AL AND REPLACEMEN	T 40	lin. ft.	\$	81.00	\$	3,240
9	RESTORATION OF AND PARKWAYS: Topsoil and s		713	sq.yd.	\$	14.00	\$	9,982
10	RESTORATION OF Bit. Concrete S		0	sq.yd.	\$	64.00	\$	0
11	REMOVE AND RE Bituminous Aggregate	PLACE DRIVEWAYS	57 0	sq.yd. sq.yd.	\$ \$	48.00 20.00	\$	2,736

Table 4.11-16

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Grand Avenue

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approxima Quantity		Unit Price		Amount
12	TREE REMOVAL AND TRIMMING):		Lump Sum	\$	665
13	EROSION CONTROL			Lump Sum	\$	665
14	TRAFFIC CONTROL:			Lump Sum	\$	2,328
	SUBTOTAL				\$	86,170
SERVICE	ELATERALS					
1	BUILDING SERVICE LINES Near side Far side	60 204	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$ \$	3,000 10,200
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	4	each each	\$ 554.00 \$ 682.00	\$ \$	2,216 2,728
3	BUILDING SERVICE PLUG:	8	each	\$ 208.00	\$	1,664
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	222	sq.yd.	\$ 14.00	\$	3,108
5	RESTORATION OF STREETS: Bit. Concrete Street PCC Sidewalk	78 200	sq.yd. sq.ft.	\$ 63.00 \$ 13.00	\$ \$	4,914 2,600
6	TRENCH BACKFILL 0-8 feet deep	100	lin. ft.	\$ 62.00	\$	6,200
	SUBTOTAL				\$	36,630
	TOTAL ESTIMATE OF CONS	TRUCTION COS	T		\$	122,800
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			24,600 24,600 10,300
	TOTAL OPINION OF PROBA	BLE COST			\$	182,300
				Cost per le	ot	22,790

Table 4.11-17

Downers Grove Sanitary District

Possible Special Assessments for Sanitary Sewers
63rd Corridor Sub-Area

Cost Summary

Sub-Basin:	Near Services	Far Services	Total Project Cost			Cost per lot
Carpenter and 63rd	8	0	\$	207,800	\$	25,980
Norfolk and Carpenter	4	4	\$	161,800	\$	20,230
Meadowlawn & Washington	20	8	\$	845,200	\$	30,190
63rd and Lyman	7	0	\$	360,000	\$	51,430
Fairmount and 63rd	8	1	\$	477,400	\$	53,040
Blodgett and 62nd	1	0	\$	46,900	\$	46,900
63rd and Osage	7	0	\$	293,000	\$	41,860
Grand Avenue	4	4	\$	182,300	\$	22,790
TOTALS	59	17	\$	2,574,400	\$	33,870
	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 \$147,400, including contingency, engineering, and legal/administrative costs.

DOWNERS GROVE SANITARY DISTRICT UNSEWERED AREA PLAN

EXHIBIT 4.12

GILBERT AND LEE

POSSIBLE SEWER ALIGNMENT

MARCH 2021

LEGEND

PROPOSED MANHOLES

PROPOSED SEWERS

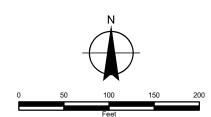
EXISTING MANHOLES

EXISTING SEWERS

PARCEL BOUNDARIES

GILBERT AND LEE







I:\Crystal Lake\DGSD1\180305-2018 UAP\20-GIS\MapDocuments\
4-12 gilbert.mxd 563dks - 3/24/2020
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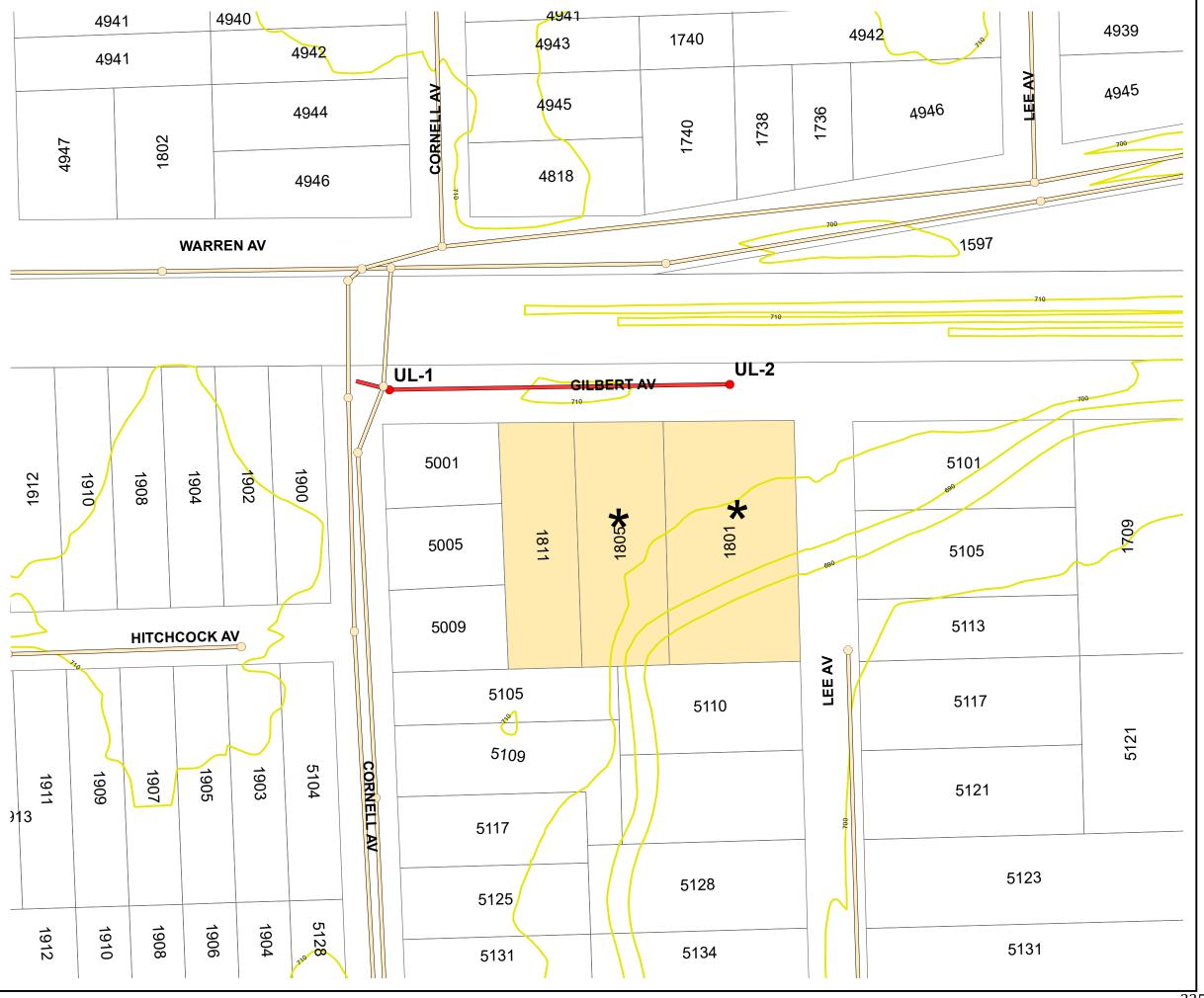


Table 4.12-1

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)	Slope	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	300	0.0070	9.5

Table 4.12-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Gilbert & Lee

Engineer's Opinion of Probable Construction Cost

		Approximate				Unit		
No.	Pay Item		Quantity			Price		Amount
MAINLIN	NE SEWER							
1	SANITARY SEWE 8-inch	R (OPEN CUT) 8-12 feet deep	380	lin. ft.	\$	87.00	\$	33,060
2	SANITARY MANH 48-inch	IOLES 8-12 feet deep	1	each	\$	6,400.00	\$	6,400
	40-111611	0-12 leet deep	'	Cacii	Ψ	0,400.00	Ψ	0,400
3	CONNECTION TO 8-inch	EXISTING MANHO	LE 1	each	\$	6,200.00	\$	6,200
4	TRENCH BACKFI 8-inch	LL 8-12 feet deep	25	lin. ft.	\$	113.00	\$	2,825
5	TREE TUNNELIN	G	30	lin. ft.	\$	192.00	\$	5,760
6	SEWER TELEVIS	ING FOR FINAL INS	PECTION 380	lin. ft.	\$	3.00	\$	1,140
7	SEWER TESTING	FOR FINAL INSPEC	CTION 380	lin. ft.	\$	3.00	\$	1,140
8	CULVERT REMO' 12-inch	VAL AND REPLACEI	MENT 0	lin. ft.	\$	81.00	\$	0
9	AND PARKWAYS	:						
	Topsoil and	sod	1,056	sq.yd.	\$	14.00	\$	14,784
10	RESTORATION C Bit. Concrete		9	sq.yd.	\$	64.00	\$	576

Table 4.12-2

Downers Grove Sanitary District

Possible Special Assessment for Sanitary Sewers

Gilbert & Lee

Engineer's Opinion of Probable Construction Cost

No.	Pay Item	Approximate Quantity	te	Unit Price		Amount
11	EROSION CONTROL			Lump Sum	\$	998
12	TRAFFIC CONTROL:			Lump Sum	\$	5,985
	SUBTOTAL				\$	79,723
SERVIC	E LATERALS					
1	BUILDING SERVICE LINES Near side Far side	90	lin. ft. lin. ft.	\$ 50.00 \$ 50.00	\$	4,500
2	BUILDING SERVICE BRANCH FITTINGS Near Side Far side	3 0	each each	\$ 554.00 \$ 682.00	<u>\$</u> \$	1,662 0
3	BUILDING SERVICE PLUG:	3	each	\$ 208.00	\$	624
4	RESTORATION OF LAWNS AND PARKWAYS: Topsoil and sod	17	sq.yd.	\$ 14.00	\$	238
5	RESTORATION OF STREETS: Bit. Concrete Street PCC Sidewalk	50 150	sq.yd. sq.ft.	\$ 63.00 \$ 13.00	\$ \$	3,150 1,950
6	TRENCH BACKFILL 0-8 feet deep	120	lin. ft.	\$ 62.00	\$	7,440
	SUBTOTAL				\$	19,564
	TOTAL ESTIMATE OF CONS	STRUCTION COST	Г		\$	99,300
		Contingencies Engineering Legal / Admin	(20%) (20%) (6%)			19,900 19,900 8,300
	TOTAL OPINION OF PROBA	ABLE COST			\$	147,400
				Cost per lo	ot	49,130

Table 4.13-1

Downers Grove Sanitary District

Unsewered Area Plan

Summary of Estimated Costs for Unsewered Areas

	I	<u>ables</u>	<u>Page</u>		Construction	Contingency	Engineering	<u>Legal/Admin</u>	<u>Easements</u>	<u>Total</u>	Number of Services	Cost pe Service
4.1 73rd and Webster			11									
73rd and Webster	4.1-1	4.1-2	13-15	\$	591,500 \$	118,300 \$	118,300 \$	49,700 \$	39,800 \$	917,600	25	\$ 36,70
4.2 Downers Grove Park			16									
Katrine-Maple (North)	4.2-1	4.2-2	20-22	\$	562,100 \$	112,400 \$	112,400 \$	47,200 \$	34,400 \$	868,500	25	\$ 34,74
Inverness-Lomond-Elinor-Maple (North)	4.2-3	4.2-4	23-26	\$	1,784,400 \$	356,900 \$	356,900 \$	149,900 \$	112,100 \$	2,760,200	72	\$ 38,34
Inverness-Belmont (North)	4.2-5	4.2-6	27-29	\$	121,700 \$	24,300 \$	24,300 \$	10,200 \$	- \$	180,500	6	\$ 30,0
Katrine-College (South)	4.2-7	4.2-8	30-32	\$	403,700 \$	80,700 \$	80,700 \$	33,900 \$	- \$	599,000	27	\$ 22,1
Lomond-College (South)	4.2-9	4.2-10	33-35	\$	607,500 \$	121,500 \$	121,500 \$	51,000 \$	- \$	901,500	29	\$ 31,0
Elinor-College (South)	4.2-11	4.2-12	36-38	\$	257,300 \$	51,500 \$	51,500 \$	21,600 \$	- \$	381,900	9	\$ 42,4
Janes-College (South)	4.2-13	4.2-14	39-41	\$	273,900 \$	54,800 \$	54,800 \$	23,000 \$	- \$	406,500	13	\$ 31,2
Chase-Hobson-Belmont (South)	4.2-15	4.2-16	42-44	\$	439,200 \$	87,800 \$	87,800 \$	36,900 \$	- \$	651,700	15	\$ 43,4
4.3 Downers Grove Gardens			46									
Janes-Leonard-Chase-Puffer (North)	4.3-1	4.3-2	52-54	\$	875,500 \$	175,100 \$	175,100 \$	73,500 \$	- \$	1,299,200	68	\$ 19,1
Janes-Leonard-Chase-Puffer (South)	4.3-3	4.3-4	55-57	\$	1,648,800 \$	329,800 \$	329,800 \$	138,500 \$	- \$	2,446,900	129	\$ 18,9
Belmont Road (Southwest)	4.3-5	4.3-6	58-60	\$	379,500 \$	75,900 \$	75,900 \$	31,900 \$	64,700 \$	627,900	25	\$ 25,1
Belmont Road (East)	4.3-7	4.3-8	61-63	\$	729,900 \$	146,000 \$	146,000 \$	61,300 \$	149,000 \$	1,232,200	52	\$ 23,7
Pershing Avneue (South)	4.3-9	4.3-10	64-66	\$	795,700 \$	159,100 \$	159,100 \$	66,800 \$	- \$	1,180,700	64	\$ 18,4
Woodward and 63rd Street	4.3-11	4.3-12	67-69	\$	206,300 \$	41,300 \$	41,300 \$	17,300 \$	18,100 \$	324,300	18	\$ 18,0
Lee and Boundry (South)	4.3-13	4.3-14	70-72	\$	500,000 \$	100,000 \$	100,000 \$	42,000 \$	- \$	742,000	39	\$ 19,0
Springside Avenue (South)	4.3-15	4.3-16	73-75	\$	210,800 \$	42,200 \$	42,200 \$	17,700 \$	- \$	312,900	14	\$ 22,3
Springside-Jefferson-Downers (North)	4.3-17	4.3-18	76-78	\$	986,600 \$	197,300 \$	197,300 \$	82,900 \$	- \$	1,464,100	52	\$ 28,1
Pershing-Woodward-Maple (North)	4.3-19	4.3-20	79-81	\$	1,867,300 \$	373,500 \$	373,500 \$	156,900 \$	42,800 \$	2,814,000	104	\$ 27,0
Sherman Avenue (North)	4.3-21	4.3-22	82-84	\$	840,400 \$	168,100 \$	168,100 \$	70,600 \$	- \$	1,247,200	54	\$ 23,1
Lee Avenue (North)	4.3-23	4.3-24	85-87	\$	966,700 \$	193,300 \$	193,300 \$	81,200 \$	14,600 \$	1,449,100	54	\$ 26,8
4.4 Fairhaven Court	4.0-20	7.0-24	89	Ψ	300,700 φ	130,000 ψ	100,000 φ	01,200 ψ	14,000 ψ	1,440,100	<u> </u>	
Fairhaven Court	4.4-1	4.4-2	91	\$	231,500 \$	46,300 \$	46,300 \$	19,400 \$	43,700 \$	387,200	10	\$ 38,7
4.5 Burlington Highlands			94									
Morton and Downers	4.5-1	4.5-2	99-101	\$	918,900 \$	183,800 \$	183,800 \$	77,200 \$	16,600 \$	1,380,300	39	\$ 35,3
40th and Seely (North)	4.5-3	4.5-4	102-104	\$	405,400 \$	81,100 \$	81,100 \$	34,100 \$	- \$	601,700	21	\$ 28,6
40th and Northcott	4.5-5	4.5-6	105-107		284,200 \$	56,800 \$	56,800 \$	23,900 \$	- \$	421,700	14	\$ 30,1
Virginia-Seely-Janet-Downers	4.5-7	4.5-8	108-110		767,400 \$	153,500 \$	153,500 \$	64,500 \$	- \$	1,138,900	43	\$ 26,4
Belle Aire and Venard	4.5-9	4.5-10	111-113		604,400 \$	120,900 \$	120,900 \$	50,800 \$	24,700 \$	921,700	21	\$ 43,8
Vernard Road (North)	4.5-11	4.5-12	114-116		249,500 \$	49,900 \$	49,900 \$	21,000 \$	- \$	370,300	10	\$ 37,0
Vernard Road (South) (completed)	4.5-13	4.5-14	117-119		- \$	- \$	- \$	- \$	- \$	-	0	\$ 0.,0
Virginia Avenue (West)	4.5-15	4.5-16	120-122		101,100 \$	20,200 \$	20,200 \$	8,500 \$	- \$	150,000	6	\$ 25,0
Lacey-Carol-Northcott	4.5-17	4.5-18	123-125		45,800 \$	9,200 \$	9,200 \$	3,900 \$	- \$	68,100	1	\$ 68,1
Lacey and Janet	4.5-17	4.5-10	126-128		205,300 \$	41,100 \$	41,100 \$	17,300 \$	- γ - \$	304,800	14	\$ 21,7
												138,10
Ogden-Lacey-Grant-Lee (South)	4.5-21	4.5-22	129-131	\$	1,585,100 \$	317,000 \$	317,000 \$	133,100 \$	133,600 \$	2,485,800	18	\$ _

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	S										
	<u>Ta</u>	bles	<u>Page</u>	Construction	Contingency	Engineering	Legal/Admin	<u>Easements</u>	<u>Total</u>	Number of Services	Cost per <u>Service</u>
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		\$ 237,600 \$	47,500 \$	47,500 \$	20,000 \$	30,400 \$	383,000	2	N/A
Drendel and Granville (South)	4.6-7	4.6-8	146-148	\$ 549,400 \$	109,900 \$	109,900 \$	46,200 \$	18,600 \$	834,000	28	\$ 29,790
Burlington and Walnut (South)	4.6-9	4.6-10	149-151	\$ 138,100 \$	27,600 \$	27,600 \$	11,600 \$	- \$	204,900	2	N/A
Puffer North of Prairie	4.6-11	4.6-12	152-154	\$ 422,000 \$	84,400 \$	84,400 \$	35,400 \$	10,400 \$	636,600	16	\$ 39,790
4.7 Florence Avenue			156								
Florence Avenue	4.7-1	4.7-2	158-160	\$ 164,700 \$	32,900 \$	32,900 \$	13,800 \$	- \$	244,300	11	\$ 22,210
4.8 Meyers Road and 31st Street			161								
Meyers Road (North)	4.8-1	4.8-2	164-166	\$ 148,900 \$	29,800 \$	29,800 \$	- \$	34,900 \$	243,400	3	N/A
Meyers Road (South)	4.8-3	4.8-4	167-170	\$ 183,200 \$	36,600 \$	36,600 \$	- \$	35,200 \$	291,600	4	N/A
4.9 57th and Grant			171								
57th and Grant (completed)	4.9-1	4.9-2	173-175	\$ - \$	- \$	- \$	- \$	- \$	-	0	\$ -
4.10 60th and Cumnor			176								
59th (West)	4.10-1	4.10-2	180-182	\$ 244,200 \$	48,800 \$	48,800 \$	20,500 \$	- \$	362,300	15	\$ 24,150
59th (East)	4.10-3	4.10-4		\$ 211,900 \$	42,400 \$	42,400 \$	17,800 \$	- \$	314,500	4	\$ 78,630
60th (West)	4.10-5	4.10-6		\$ 148,700 \$	29,700 \$	29,700 \$	12,500 \$	- \$	220,600	11	\$ 20,050
60th and Cumnor	4.10-7	4.10-8	189-191	\$ 100,700 \$	20,100 \$	20,100 \$	8,500 \$	- \$	149,400	7	\$ 21,340
60th (East)	4.10-9	4.10-10	192-194	\$ 54,400 \$	10,900 \$	10,900 \$	4,600 \$	- \$	80,800	3	\$ 26,930
Cumnor (South)	4.10-11	4.10-12	195-197	\$ 75,500 \$	15,100 \$	15,100 \$	6,300 \$	- \$	112,000	2	\$ 56,000
61st and Cumnor	4.10-13	4.10-14	198-200	\$ 261,300 \$	52,300 \$	52,300 \$	22,000 \$	- \$	387,900	12	\$ 32,330
61st (East)	4.10-15	4.10-16	201-203	\$ 58,100 \$	11,600 \$	11,600 \$	4,900 \$	- \$	86,200	3	\$ 28,730
4.11 63rd Corridor			205								
Carpenter and 63rd	4.11-1	4.11-2	209-211	\$ 140,000 \$	28,000 \$	28,000 \$	11,800 \$	- \$	207,800	8	\$ 25,980
Norfolk and Carpenter	4.11-3	4.11-4	212-214	\$ 109,000 \$	21,800 \$	21,800 \$	9,200 \$	- \$	161,800	8	\$ 20,230
Meadowlawn and Washington	4.11-5	4.11-6	215-217	\$ 552,900 \$	110,600 \$	110,600 \$	46,400 \$	24,700 \$	845,200	28	\$ 30,190
63rd and Lyman	4.11-7	4.11-8		\$ 218,100 \$	43,600 \$	43,600 \$	18,300 \$	36,400 \$	360,000	7	\$ 51,430
Fairmount and 63rd	4.11-9	4.11-10	221-223	\$ 298,000 \$	59,600 \$	59,600 \$	25,000 \$	35,200 \$	477,400	9	\$ 53,040
Blodgett and 62nd	4.11-11	4.11-12	224-226	\$ 31,600 \$	6,300 \$	6,300 \$	2,700 \$	- \$	46,900	1	\$ 46,900
63rd and Osage	4.11-13	4.11-14	227-229	\$ 172,100 \$	34,400 \$	34,400 \$	14,500 \$	37,600 \$	293,000	7	\$ 41,860
Grand Avenue	4.11-15	4.11-16	230-232	\$ 122,800 \$	24,600 \$	24,600 \$	10,300 \$	- \$	182,300	8	\$ 22,790
4.12 Gilbert and Lee			234								
Gilbert and Lee	4.12-1	4.12-2	236-238	\$ 99,300 \$	19,900 \$	19,900 \$	8,300 \$	- \$	147,400	3	\$ 49,130
Totals				\$ 25,189,900 \$	5,038,000 \$	5,038,000 \$	2,088,300 \$	957,500 \$	38,311,700	1,293	\$ 29,630

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Amy R. Underwood

Legal Counsel

General Manager

Legal Counsel
Michael G. Philipp

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 Underwood, General Manager

Date: May 14, 2021

Re: Proposal for District Staff Vacation Buyout Offering

Due to the COVID-19 pandemic, many employees cancelled vacation plans in 2020 and the lack of vacation leave utilization by full-time District employees has continued on well into 2021. While all District employees did their best to use up their vacation leave in 2020, in some cases employees were not able to do so and were allowed to roll over vacation leave. Even though employees have used 870 more vacation leave hours so far in 2021 (1,705) than they did in 2020 (835) for the same period, the District is still carrying approximately 1,024 more hours of vacation leave on our books than we did at this same time last year. One of the significant factors over the past year contributing to employees' non-use of vacation leave is that in many cases (depending upon various risk factors such as mode of travel, infection rates at the destination, and the attendance at any gatherings) employees might have had to quarantine for 10-14 days upon their return from travel. The District has recently revised its COVID-19 Preparedness Plan to provide that fully-vaccinated employees do not need to quarantine upon their return to work. Based on the current projections for rollout of the vaccine for employees' dependents and potential resurgences of COVID-19 infections in certain pockets of the country, employees may continue to find it difficult to use all of their vacation leave in 2021 with continued restrictions on vacation lodging and travel.

Carrying extra vacation leave on our books adds financial liability to the District and has the potential to cause staffing or coverage challenges for departments throughout the year. In order to mitigate this liability, Senior Administrative Staff recommended budgeting \$53,000 in the Budget for FY21-22 for a vacation buyout offering to full-time staff. This budgeted amount would cover a buyout of up to forty (40) hours from each full time employee, with a potential maximum vacation leave bank reduction of 1,360 hours for the District assuming all eligible employees participated at the maximum level.

It is staff's recommendation that the District offer full-time employees the opportunity to receive compensation for up to forty (40) hours of their current vacation leave accumulation during an "election period" of June, July and August of 2021. This maximum amount was determined to provide a measure

of equity to District employees with varying years of service and disparate vacation leave balances so that the maximum number of employees could be incentivized to participate. If elected to receive a buyout of vacation leave, the additional amount would be added to the employee's next paycheck where taxes, pension contribution and all other appropriate withholdings would be applied.

After August, Senior Administrative Staff is planning on reviewing participation in the offering and determining whether a subsequent Fall 2021 election period would be appropriate in order to provide an additional opportunity for participation to achieve the District's intended goals (i.e., reduced financial liability and reduced potential for unpredictable staffing coverage gaps). In no case would any single employee be able to receive any more than the forty (40) hour maximum buyout offering and there is no guarantee that there would even be a second election period.

At the May 18 Board meeting, Staff will ask the Board to approve the offering of a District Staff Vacation Buyout to full-time employees in accordance with the guidelines specified above.

C: WCC, MGP

BOARD OF LOCAL IMPROVEMENTS DOWNERS GROVE SANITARY DISTRICT

PROPOSED AGENDA May 18, 2021 6:00 p.m.

- I. Approve Minutes of April 20, 2021
- II. Public Comment
- III. P703: 310 60th Street Single Family Home Sewer Main Extension

PLEASE NOTE:

President Kenneth J. Rathje of the Downers Grove Sanitary District Board of Local Improvements has determined, in compliance with Senate Bill 2135 signed into law by Governor Pritzker on June 12, 2020, the following:

- 1) The Governor has issued a disaster declaration related to public health concerns and all or part of the District's jurisdiction is covered by the disaster area; and
- 2) That an in-person meeting for this special meeting of the District's Board of Local Improvements scheduled to take place on Tuesday, May 18th, at 6:00 p.m. is not practical or prudent because of a disaster.

The District shall comply will all other Open Meetings Act provisions referenced in Senate Bill 2135 in the holding of its special Board of Local Improvements meeting on May 18th, at 6:00 p.m.

Therefore, in accordance with Senate Bill 2135, this Board meeting will be conducted electronically through Zoom. Public may virtually attend this meeting using any of the links or phone numbers provided below.

You are invited to a Zoom webinar.

When: May 18, 2021 06:00 PM Central Time (US and Canada)

Topic: May BOLI Meeting

Please click the link below to join the webinar:

https://us02web.zoom.us/j/82774085693?pwd=b3p5VDMvNnlOVTR4dm5TN2Zza3dNUT09

Passcode: 128491 Or One tap mobile :

US: +13126266799,,82774085693#,,,,*128491# or +16465588656,,82774085693#,,,,*128491#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 312 626 6799 or +1 646 558 8656 or +1 301 715 8592 or +1 346 248 7799 or +1 669 900 9128 or +1 253 215 8782

Webinar ID: 827 7408 5693

Passcode: 128491

International numbers available: https://us02web.zoom.us/u/kTcrbPWZO



BOARD OF LOCAL IMPROVEMENTS MINUTES

April 20, 2021

A meeting of the Board of Local Improvements of the Downers Grove Sanitary District was held on Tuesday, April 20, 2021. The meeting was held virtually online through Zoom, a video conferencing app. Present were Board Members Kenneth J. Rathje, Robert T. Jungwirth and Mark J. Scacco, General Manager Amy R. Underwood, Administrative Supervisor W. Clay Campbell, Sewer Construction Supervisor Keith W. Shaffner, and Information Coordinator Alyssa J. Caballero. Doug Overstreet attended virtually as a member of the public. President Rathje called the meeting to order at 6:00 p.m.

Determination to Hold Meeting Virtually

In accordance with Illinois Senate Bill 2135, signed into law by Governor Pritzker on June 12, 2020, Board Member Rathje, as President of the District's Board of Local Improvements has determined the following: (1) that due to the Governor issuing a disaster declaration related to public health concerns and all or part of the District's jurisdiction is covered by the disaster area; and (2) that an in-person meeting is not practical or prudent because of the disaster. As a result, this special Downers Grove Sanitary District Board of Local Improvements meeting shall be held virtually and in doing so shall comply with all other Open Meetings Act provisions referenced in Illinois Senate Bill 2135.

Minutes of December 15, 2020 Meeting

A motion was made by Jungwirth seconded by Scacco approving the minutes as revised of the meeting held on December 15, 2020. The motion carried.

Public Comment - None

P701 – 6149 Janes Ave., Downers Grove

The Board reviewed a request for sanitary sewer service from Steven Bekstas, developer, for a single family home on a 0.38 gross acre parcel at 6149 Janes Ave., Downers Grove. The property is within the District's Facilities Planning Area, but is not within the District's current corporate limits. The proposed use will generate an estimated wastewater flow of 350 gallons per day or a density of 9.7 PE per acre. Service can be provided to this project by extension of the Sanitary District sewers located on Janes Ave. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. President Rathje asked staff if this project would subject additional parcels along the route of the proposed sewer main to recapture. Staff acknowledged that this project, once complete, could be eligible for recapture at the discretion of the District. A motion was made by Jungwirth seconded by Scacco approving this request subject to annexation, receipt of Illinois EPA permit, construction of necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.)

P702 – 221 W. 59th St., Downers Grove

The Board reviewed a request for sanitary sewer service from Doug Overstreet of Overstreet Builders, developer, for single family home on a 0.76 gross acre parcel at 221 W. 59th St., Downers Grove. The property is within the District's Facilities Planning Area, but is not within the District's

current corporate limits. The proposed use will generate an estimated wastewater flow of 350 gallons per day or a density of 4.6 PE per acre. Service can be provided to this project by extension of the Sanitary District sewers located in 59th St. The downstream trunk sewers have adequate reserve capacity to serve this request. Staff recommended approval of this request. Vice President Jungwirth asked staff about the proposed route of the sanitary sewer main extension after reviewing the topographic survey included in the packet. He expressed concern that installation may be difficult based upon the presence of existing utilities in the right of way along the proposed path. Staff acknowledged that the potential for conflicts with existing utilities would likely have a direct impact on the construction cost of installation. A motion was made by Scacco seconded by Jungwirth approving this request subject to annexation, receipt of Illinois EPA permit, construction of necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions. The motion carried. (Votes recorded: Ayes–Rathje, Jungwirth and Scacco.)

Upon a motion by Jungwirth seconded by Scacco, the meeting was adjourned at 6:14 p.m. The motion carried.

Approved: May 18, 2021		
	President	
Attest:		
Clerk		

BOARD OF LOCAL IMPROVEMENTS May 13, 2021 STAFF BRIEFING

P703: 310 W. 60th Street, Downers Grove

REQUEST:

Noel Hoekstra, Property Owner, is requesting sanitary sewer service for a new single family home on a 0.91 gross acre parcel at the above location. The property is within the District's Facilities Planning Area (FPA), and is within the District's current corporate limits. The proposed project is estimated to generate wastewater flows of 350 gallons per day, which is the standard flow estimate for a single family home. This would result in a density of 3.8 PE per acre, which is within the District's design allocation of 10 PE per acre for residential parcels.

SUMMARY:

Service can be provided to this property by extension of the District sewers located on 60th Street. 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 receipt of an Illinois EPA permit, construction of the necessary sewer extension, payment of all fees per ordinance, compliance with all District ordinances and standard conditions.

DATE	



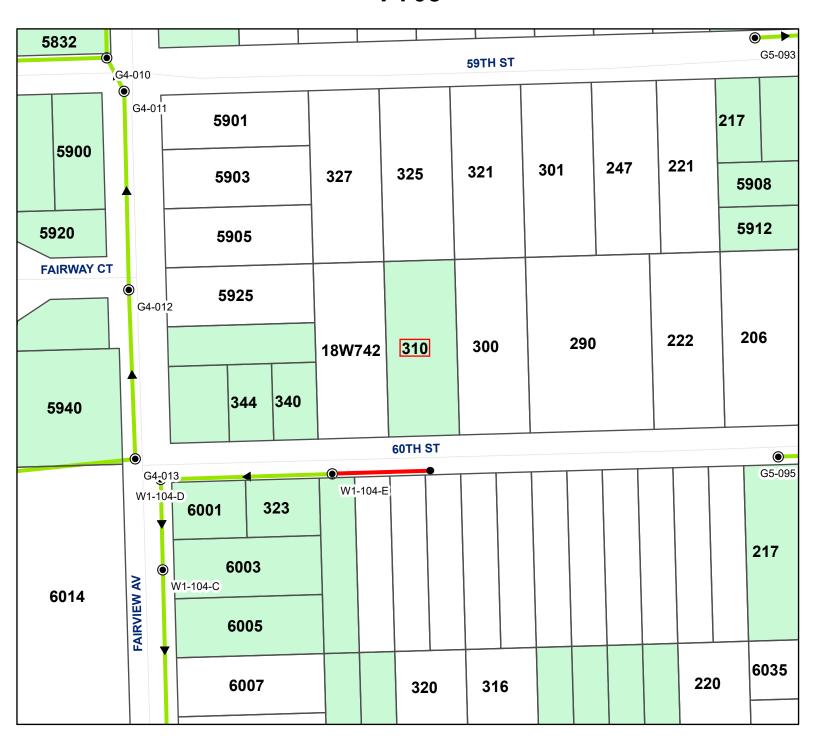
DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET DOWNERS GROVE, ILLINOIS 60515 (630) 969-0664

SANITARY SEWER SERVICE REQUEST

Location			
Legal Description Lot	Block	Subdivision	
		P.I.N	
Name of Owner on Deed		Phone No	
Developer		Phone No	
Name of Person Making Request		Phone No	
E mail:			
Address (we will be sending information	ntion regarding this requ	iest; please be sure address is legible	e)
This Applicant's Interest in This Pro	perty(Owner/De	eveloper/Beneficiary Land Trust, etc	2.)
Number of Acres Involved	Present Zoning _	Proposed Zoning	
Is the Property (A) Improved		(B) Vacant	
(A) If Improved, Describe Improve	ments		
Number & Type of Units			
(B) If Vacant or Additional Improve	ements or Remodeling A	Are Proposed, Describe	
	Numbe	er & Type of Units	
Estimated Starting Date of Project _			
If You Propose to Annex to a Comm	nunity, Which One		

- \underline{NOTE} : If this request is for
- a multiple family development, indicate the number of units for each bedroom count.
- a restaurant, indicate the seating capacity and hours of operation. If drive-up is proposed, give the number of orders per day.
- a commercial project, indicate the floor area.
- an office/warehouse or light manufacturing development, indicate the floor area.
- 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

Downers Grove Sanitary District Board of Local Improvements 310 W. 60th Street P703



Legend

Sanitary Manholes

→ Sanitary Sewer

DGSD Boundary





DOWNERS GROVE SANITARY DISTRICT

MEMO

TO: Amy R. Underwood General Manager

FROM: W. Clay Campbell

Administrative Supervisor

DATE: May 14, 2021

RE: Progress Report – April, 2021

ADMINISTRATIVE

Personnel

Staff will be preparing a job description for a part-time IT Coordinator position with the intent of posting a job opening in the coming month. As time has gone on, the District's operations have become increasingly reliant upon its technology infrastructure, which has only become more extensive and complex. The expense associated with this need has been budgeted in the FY21-22 budget. Staff will update the Board on any progress made in the hiring process.

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

There have been no new backups resulting from a mainline blockage since the last update, and as a result, I have not included a new summary.

Group Health Insurance and Flexible Spending Arrangement Enrollments

We had a virtual employee open enrollment meeting on Thursday, April 29, at 2:00 p.m. using Zoom to review the benefits plans provided to employees for the coming renewal on June 1 for both the health insurance plans and flex plan. Just like the previous year, all employees were required to go through an online enrollment process using the method designed by staff. So far, open enrollment is going very smoothly. A good number of employees have completed their online enrollments for both plans. Amy Abell, of GCG Financial, Inc., was also present during the virtual open enrollment meeting. The meeting was also recorded in the event employees that could not attend wanted to review the presentation at a later time.

OSHA Log

As required by the Illinois Department of Labor, the OSHA Form 300A for 2020 has been completed by Safety Coordinator Jessie Gwozdz and will be posted from February 1 to April 30.

Safety Committee and Related Safety Matters

A Safety Committee meeting was held on May 13 by Safety Coordinator Jessie Gwozdz. The Committee discussed the numbering of exterior doors throughout the plant, the completion of welding ventilation upgrades in the MSB, and a review of open incident reports.

Additional safety-related updates included an assessment of ladder needs throughout the plant and a revision of the District's Covid Preparedness Plan. New ladders have been purchased and labeled and are currently in the process of being installed in their new locations. The goal of the ladder project is to have the correct tool easily accessible when needed. The District's Covid 19 Plan was updated May 4, 2021 to incorporate changes in guidance from local authorities, specifically items related to the new Bridge to Phase 5 section of the Restore Illinois Plan. The entire staff re-trained on the revised Covid Plan last week through a Target Solutions assignment.

Technology Update

Comcast will be turning a new fiber circuit live for the District on May 24. This circuit will provide a more robust and resilient data circuit for the District's phone and internet communication needs. The District's existing Xfinity Business Internet service will become a secondary resilient internet resource in the event the fiber circuit fails.

The customer billing portal project with CityInsight is proceeding on schedule – User Billing Coordinator Kasper and I reviewed the new customer user interface with CityInsight on a conference call on May 12 and are very pleased with the progress to date. I will continue to apprise the Board on this project's progress as updates occur.

I am still continuing to work with Concentric Integration to finish migrating various "services" off of the District's old Admin IT server and onto the new replacement server so as to not interrupt the resources for staff. We are currently in the process of migrating our MP2 CMMS software.

The following is a detailed summary of the Invoice Cloud portal's utilization in the last month and since the portal's launch in February 2015 through the end of last month:

# of Customers registered in the last month:	69
# of Customers paying their bills online in the last month:	1,445
Amount of Money processed through the Portal in the last month:	\$90,008.85
# of Customers signing up for Autopay through the Portal in the last month:	47
# of Customers enrolled in paperless billing in the last month:	36
# of customers registered for pay by text in the last month:	45
Cost to District for providing Invoice Cloud service in the last month:	\$410.10
Cost to District's customers (convenience fees) in the last month:	\$2,422.47
Estimated Monthly savings from customers enrolled in paperless billing:	\$83.04
# of Customers registered from launch through last month:	5,927
# of Customers signing up for Autopay through the Portal from launch through last month:	1,966
# of Customers enrolled in paperless billing from launch through last month:	2,792
# of customers registered for pay by text from launch through last month:	1,823

FINANCIAL

Annual Audit

Preliminary audit work with Lauterbach & Amen, LLP began on May 10. Fieldwork will be taking place the week of May 17.

Treasurer's Report and Investment Activity

The monthly Treasurer's Report is included separately in the packet each month and detailed investment information (financial institution name, current rate and dollar amount) is provided on the District's Investment Schedule also provided separately in the packet each month.

User Billing

Detailed billing information is attached to this report.

CODE ENFORCEMENT & UNSEWERED AREAS

Building Sanitary Service Repair Assistance Program; Infiltration and Inflow Removal Program; and Overhead Sewers and Backflow Prevention Devices Reimbursement Program

I have continued to perform the legal review of both Program Agreements and Access Agreements for all of the above programs as prepared by our office prior to execution by the parties.

Sewer Permitting Process

I have continued to perform the legal review of Access Agreements and Annexation Petitions prepared by our office as needed by sewer permit applicants.

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

USER BILLING SUMMARY

User Charge System

Billings for April 2021 were as follows:

User	\$254,128.05
Surcharge	32,792.62
Monthly fees	351,299.81
Total	\$638,220.48
Summer Usage Adjustment	\$0.00
Billable Flow	141,182,250
Budgeted Billable Flow	136,373,312
% Actual/Budgeted Billable Flow	103.53%
YTD Billable Flow	141,182,250
YTD Budgeted Billable Flow	136,373,312
% Actual/Budgeted Billable Flow	103.53%

The user accounts receivable balance on 4/30/2021 is \$653,522.10 and consists of:

Current charges due 5/14/2021	\$507,054.78
Past due charges and penalty	146,467.32
Total	\$653,522.10

The past due charges represent:

Age	<u>User Charges</u>	<u>Penalty</u>	<u>Totals</u>
30 days past due	\$25,396.17	\$3,463.27	\$28,859.44
60 days past due	23,969.55	3,268.67	27,238.22
90 days & greater past due	77,863.95	12,505.71	90,369.66
Totals	\$127,229.67	\$19,237.65	\$146,467.32

Summary of Past Due Charges (90 Days and Over)

Five Year Comparison

<u>April</u>

<u>Year</u>	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>
2021	\$77,863.95	\$12,505.71	\$90,369.66 ****
2020	46,759.51	6,189.05	52,948.56 *****
2019	37,792.28	4,731.80	42,524.08 ****
2018	47,731.52	6,146.82	53,878.34 ***
2017	29,538.80	4,227.20	33,766.00 **

*****Includes \$10,462.28 in sewer disconnection costs on 2 accounts plus late fees

Twelve Months Ending April 2021

Month Ending	<u>User Charges</u>	<u>Penalty</u>	<u>Total</u>	
4/30/21	\$77,863.95	\$12,505.71	90,369.66	
3/31/21	79,415.08	12,379.57	\$91,794.65	
2/28/21	79,355.03	11,905.29	91,260.32	
1/31/21	105,977.30	15,756.19	121,733.49	
12/31/20	104,927.73	15,924.29	120,852.02	
11/30/20	105,659.64	15,270.20	120,929.84	
10/31/20	83,672.22	10,944.08	94,616.30	
9/30/20	83,036.33	10,243.54	93,279.87	
8/31/20	91,467.51	10,158.49	101,626.00	
7/31/20	85,214.22	1,419.54	86,633.76	
6/30/20	64,632.71	4,939.58	69,572.29	
5/31/20	57,672.52	7,368.53	65,041.05	

One account from 2012 and another from 2014 are the only two remaining sewer disconnections.

^{****}Includes \$13,020.74 in sewer disconnection costs on 4 accounts plus late fees

^{***}Includes \$17,128.69 in sewer disconnection costs on 6 accounts plus late fees

^{**}Includes \$9,256.59 in sewer disconnection costs on 3 accounts plus late fees

To: Amy Underwood, General Manager

From: Marc Majewski, Operations Supervisor

Re: Month of April, 2021 WWTC Operations Report.

Date: May 13, 2021

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

Certain highlights of operational activities included:

- Monthly flow: Average daily flows to the plant were 8.69 MGD. Total precipitation at the WWTC was 1.39". There were no excess flow events during the month of April. There were no days of discharge over 11 MGD.
- Activated sludge: Operating performance improved throughout the month of April. Floc formers are predominating leading to good solids settling.
- Anaerobic Digesters: Pumped a total of 1,087,921 gallons of primary sludge, 727,560 gallons of WAS, 263,711 gallons of TWAS, and 306,478 gallons of waste grease for a total of 1,658,110 gallons pumped to digesters. Total Volatile Solids destruction was calculated at 62% for April.
- Digester gas: Total digester gas production was 6,430,137 cubic feet. 39,865 cubic feet of gas was used for anaerobic digestion heat, and 5,794,567 cubic feet was used in the CHP facilities. 134,673 cubic feet of flared gas was recorded during the month. The Munters dehumidifier used 461,031 cubic feet of gas.
- Bio-solids: Bio-mechanics distributed 220 dry tons of class A biosolid in the month of April, with a year to date total of 299 dry tons distributed. 240 Dry tons of class B biosoild was hauled offsite on April 5th and 6th by Dahm Enterprise.
- Miscellaneous Items: On April 20th we hosted a tour of our CHP's for the Racine wastewater treatment plant. On April 21st we hosted a plant tour containing six students. The new Vermeer replacement trommel screen has been ordered, and we are expecting delivery in the next few weeks. This piece of equipment replaces the Wildcat trommel screen that was originally purchased in 2006.
- Electricity: Overall net energy from ComEd was: -102,004 KW-Hrs. Electricity Generated by the CHP system was 459,174 KW-Hrs. Monthly net energy (including natural gas usage) was -93 MW-Hrs for the month of April.

C: WDVB, AES, PWC, KJR, RTJ, MJS, WCC, MGP

Downers Grove Sanitary District April 2021

	WWTC Rainfall	B01 Parshall Flume Flow Max Mgd	B01 Parshall Flume Flow Min Mgd	B01 Parshall Flume Flow Avg Mgd	A01 Parshall Flume Flow Max Mgd	A01 Parshall Flume Flow Avg Mgd	C01 Int Clar #1 Flow Max Mgd	C01 Int Clar #1 Flow Avg Mgd	Outfall 003 Flow Max Mgd	Outfall 003 Flow Avg Mgd	Total Flow Max Mgd	Total Flow Avg Mgd	002 Outfall Flow Avg Mgd
Date	inches	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
4/1/2021	0.00	13.74	5.94	8.89	0.00	0.00	0.00	0.00	0.00	0.00	13.74	8.89	0.00
4/2/2021	0.00	13.58	5.84	8.58	0.00	0.00	0.00	0.00	0.00	0.00	13.58	8.58	0.00
4/3/2021	0.00	13.93	5.87	8.60	0.00	0.00	0.00	0.00	0.00	0.00	13.93	8.60	0.00
4/4/2021	0.00	13.14	5.27	8.34	0.00	0.00	0.00	0.00	0.00	0.00	13.14	8.34	0.00
4/5/2021	0.01	11.82	5.14	8.61	0.00	0.00	0.00	0.00	0.00	0.00	11.82	8.61	0.00
4/6/2021	0.00	11.43	5.27	8.34	0.00	0.00	0.00	0.00	0.00	0.00	11.43	8.34	0.00
4/7/2021	0.00	11.44	5.22	8.46	0.00	0.00	0.00	0.00	0.00	0.00	11.44	8.46	0.00
4/8/2021	0.36	15.15	5.59	10.64	0.00	0.00	0.00	0.00	0.00	0.00	15.15	10.64	0.00
4/9/2021	0.02	14.37	7.64	10.11	0.00	0.00	0.00	0.00	0.00	0.00	14.37	10.11	0.00
4/10/2021	0.23	15.31	6.08	10.20	0.00	0.00	0.00	0.00	0.00	0.00	15.31	10.20	0.00
4/11/2021	0.05	15.08	7.84	10.64	0.00	0.00	0.00	0.00	0.00	0.00	15.08	10.64	0.00
4/12/2021	0.00	14.49	6.93	9.62	0.00	0.00	0.00	0.00	0.00	0.00	14.49	9.62	0.00
4/13/2021	0.00	11.41	5.65	8.49	0.00	0.00	0.00	0.00	0.00	0.00	11.41	8.49	0.00
4/14/2021	0.00	11.71	5.13	8.61	0.00	0.00	0.00	0.00	0.00	0.00	11.71	8.61	0.00
4/15/2021	0.00	11.78	5.65	8.53	0.00	0.00	0.00	0.00	0.00	0.00	11.78	8.53	0.00
4/16/2021	0.00	11.30	5.36	8.17	0.00	0.00	0.00	0.00	0.00	0.00	11.30	8.17	0.00
4/17/2021	0.00	12.11	5.09	8.01	0.00	0.00	0.00	0.00	0.00	0.00	12.11	8.01	0.00
4/18/2021	0.00	11.48	4.73	8.01	0.00	0.00	0.00	0.00	0.00	0.00	11.48	8.01	0.00
4/19/2021	0.08	11.12	4.89	8.25	0.00	0.00	0.00	0.00	0.00	0.00	11.12	8.25	0.00
4/20/2021	0.21	12.03	5.13	8.77	0.00	0.00	0.00	0.00	0.00	0.00	12.03	8.77	0.00
4/21/2021	0.00	11.73	5.47	8.48	0.00	0.00	0.00	0.00	0.00	0.00	11.73	8.48	0.00
4/22/2021	0.00	11.35	5.19	8.14	0.00	0.00	0.00	0.00	0.00	0.00	11.35	8.14	0.00
4/23/2021	0.00	11.01	4.98	7.91	0.00	0.00	0.00	0.00	0.00	0.00	11.01	7.91	0.00
4/24/2021	0.00	11.16	4.93	7.81	0.00	0.00	0.00	0.00	0.00	0.00	11.16	7.81	0.00
4/25/2021	0.00	10.98	4.57	7.56	0.00	0.00	0.00	0.00	0.00	0.00	10.98	7.56	0.00
4/26/2021	0.00	11.32	4.56	7.79	0.00	0.00	0.00	0.00	0.00	0.00	11.32	7.79	0.00
4/27/2021	0.00	11.57	4.59	7.84	0.00	0.00	0.00	0.00	0.00	0.00	11.57	7.84	0.00
4/28/2021	0.40	15.16	4.16	8.39	0.00	0.00	0.00	0.00	0.00	0.00	15.16	8.39	0.00
4/29/2021	0.03	15.14	7.63	10.34	0.00	0.00	0.00	0.00	0.00	0.00	15.14	10.34	0.00
4/30/2021	0.00	11.70	5.65	8.60	0.00	0.00	0.00	0.00	0.00	0.00	11.70	8.60	0.00
Minimum	0.00	10.98	4.16	7.56	0.00	0.00	0.00	0.00	0.00	0.00	10.98	7.56	0.00
Maximum	0.40	15.31	7.84	10.64	0.00	0.00	0.00	0.00	0.00	0.00	15.31	10.64	0.00
Total	1.39	377.52	166.00	260.74	0.00	0.00	0.00	0.00	0.00	0.00	377.52	260.74	0.00
Average	0.05	12.58	5.53	8.69	0.00	0.00	0.00	0.00	0.00	0.00	12.58	8.69	0.00

Downers Grove Sanitary District April, 2021

						_					
	Tertiary Flow MGD	MLSS Avg	Activated Sludge Inventory Lbs MLSS	Activated Sludge SRT Days	15 Minutes Aeration Settling %	30 Minutes Aeration Settling %	60 Minutes Aeration Settling %	Sludge Volume Index	System 1 RAS TSS	System 2 RAS TSS	Dupage River Outfall DO
Date	MGD		LBS	DAYS	mL/L	mL/L	mL/L	mL/g	mg/l	mg/l	mg/l
4/1/2021	8.89		86,774	16.39							
	8.58		86,774	16.45							
4/2/2021											
4/3/2021	8.60		86,774	16.39							
4/4/2021	8.34	0.005	86,774	16.63	07	5.4	00	000		4.047	0.0
4/5/2021	8.61	2,625	88,501	15.65	67	54	39	206		4,947	8.2
4/6/2021	8.34		88,501	14.33							7.8
4/7/2021	8.46	2,626	88,546	13.50	61	41		158	3,808		
4/8/2021	10.64		88,546	13.56							7.8
4/9/2021	10.11	2,490	83,936	13.13	65	50	38	200		4,850	
4/10/2021	10.20		83,936	13.26							
4/11/2021	10.64		83,936	13.35							
4/12/2021	9.62	2,086	70,312	11.76	53	41	31	196		4,728	8.1
4/13/2021	8.49		70,312	12.39							7.8
4/14/2021	8.61	2,282	76,946	15.01	50	37	29	164		4,255	8.2
4/15/2021	8.53		76,946	14.95							
4/16/2021	8.17	2,258	76,127	14.27	47	38	29	169		4,427	
4/17/2021	8.01		76,127	14.16							
4/18/2021	8.01		69,308	14.23							
4/19/2021	8.25	2,258	76,123	15.85	47	38	28	167		4,039	8.0
4/20/2021	8.77		76,123	16.15							7.8
4/21/2021	8.48	2,164	72,966	15.35	37	28	23	127	3,331		
4/22/2021	8.14		72,966	15.51							7.9
4/23/2021	7.91	2,157	72,713	16.87	37	29	24	133		3,688	
4/24/2021	7.81		72,713	16.63							
4/25/2021	7.56		72,713	16.81							
4/26/2021	7.79	2,348	79,154	17.36	37	28	22	117		3,860	8.0
4/27/2021	7.84		79,154	17.26							7.7
4/28/2021	8.39	2,305	77,708	17.00	34	26	22	114	2,999		7.7
4/29/2021	10.34	,	77,708	17.04		-			,		
4/30/2021	8.60	2,203	74,271	16.72	44	33	24	150		3,737	
55,2521		_,	,			30		. 30		-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Minimum	7.56	2,086	69,307.84	11.76	33.69	26.15	21.54	113.65	2,999	3,688	7.7
Maximum	10.64	2,626	88,546.16	17.36	67.09	54.14	39.34	206.11	3,808	4,947	8.2
Total	260.74	27,802	2,373,390.15		578.94	442.56	309.56	1,901.02	10,138	38,531	95.0
Average	8.69	2,317	79,112.93	15.27	48.25	36.92	28.09	158.42	3,379	4,281	7.9

	Tertiary Flow MGD	Influent BOD 5	Primary Clarifier BOD 5	Intermediate Clarifier CBOD 5	Tertiary Effluent CBOD 5	Tertiary Effluent CBOD 5 Load	BOD 5 Removal %	Ambient Air Temp Min	Ambient Air Temp Max	Influent Flow Temp
Date	MGD	mg/l	mg/l	mg/l	mg/l		%	Deg F	Deg F	Deg F
4/1/2021	8.89	190	77	1.4	1.0	74	98.5	24	43	53.8
4/2/2021	8.58							20	51	
4/3/2021	8.60							38	73	
4/4/2021	8.34							38	77	
4/5/2021	8.61	174			1.0	72	98.4	56	78	54.4
4/6/2021	8.34	174	100	3.2	0.9	63	98.0	58	82	55.6
4/7/2021	8.46							59	82	55.4
4/8/2021	10.64							51	69	
4/9/2021	10.11							48	64	
4/10/2021	10.20							44	57	
4/11/2021	10.64							44	58	
4/12/2021	9.62	300			1.2	96	99.0	47	63	55.4
4/13/2021	8.49	220	88	2.5	1.2	85	98.5	40	56	56.3
4/14/2021	8.61	212	92	3.6	0.4	29	98.4	34	52	56.1
4/15/2021	8.53							37	58	0.0
4/16/2021	8.17							34	64	0.0
4/17/2021	8.01							34	59	
4/18/2021	8.01							34	66	
4/19/2021	8.25	222			1.2	83	98.7	41	53	56.7
4/20/2021	8.77	200	100	4.7	1.5	110	98.2	32	44	56.4
4/21/2021	8.48	190			1.6	113	98.3	30	51	57.0
4/22/2021	8.14	210	112	3.1	2.0	136	98.2	27	62	56.3
4/23/2021	7.91							41	61	
4/24/2021	7.81							50	68	
4/25/2021	7.56							39	53	
4/26/2021	7.79	195			1.0	65	98.8	39	79	56.6
4/27/2021	7.84	200	110	1.8	1.0	65	98.8	61	88	56.7
4/28/2021	8.39	185			0.8	56	98.4	45	62	58.3
4/29/2021	10.34	182	101	1.2	1.0	86	97.8	47	73	57.2
4/30/2021	8.60							41	61	
Minimum	7.56	174	77	1.2	0.40	29	97.8	20	43	0.0
Maximum	10.64	300	112	4.7	2.00	136	99.0	61	88	58.3
Total	260.74	2,854	780	21.5	15.80	1,132	1,378.0	842	1,906	842.2
Average	8.69	204	98	2.7	1.13	81	98.4	41	64	49.5



	Tertiary Flow MGD	Influent TSS	Primary Clarifier TSS	Intermediate Clarifier TSS	Tertiary Effluent TSS	Tertiary Effluent TSS Load	TSS Removal %	Influent pH	Primary Clarifier pH	Tertiary Effluent pH	Intermediate pH
Date	MGD	mg/l	mg/l	mg/l	mg/l	lbs/day	%	SU	SU	SU	SU
4/1/2021	8.89	150	44	0.8	0.4	30	99.7	7.6	7.6	7.0	7.2
4/2/2021	8.58	132			0.3	21	99.8	7.6	7.6	7.0	7.1
4/3/2021	8.60	132			0.3	22	99.8				
4/4/2021	8.34	180			0.4	28	99.8				
4/5/2021	8.61	184			0.4	29	99.8	7.6	7.4	7.0	7.0
4/6/2021	8.34	182	50	5.0	0.5	35	99.7	7.6	7.5	7.0	7.2
4/7/2021	8.46	252			0.4	28	99.8	7.6	7.5	7.0	7.2
4/8/2021	10.64	216	59	6.9	0.9	80	99.6	7.6	7.6	6.9	7.2
4/9/2021	10.11	116			0.6	51	99.5	7.7	7.6	6.9	7.2
4/10/2021	10.20	152			0.4	34	99.7				
4/11/2021	10.64	166			0.3	27	99.8				
4/12/2021	9.62	275			0.5	40	99.8	7.6	7.5	7.1	7.2
4/13/2021	8.49	175	39	1.6	0.5	35	99.7	7.4	7.5	7.1	7.1
4/14/2021	8.61	173	67	4.4	0.4	29	99.8	7.8	7.5	7.1	7.1
4/15/2021	8.53	248			0.8	57	99.7	7.6	7.5	7.0	7.1
4/16/2021	8.17	216			0.8	55	99.6				
4/17/2021	8.01	144			0.7	47	99.5				
4/18/2021	8.01	256			0.4	27	99.8				
4/19/2021	8.25	320			0.5	34	99.8	7.5	7.4	7.0	7.2
4/20/2021	8.77	336	66	16.1	0.8	59	99.8	7.6	7.6	7.0	7.2
4/21/2021	8.48	172			0.7	50	99.6	7.6	7.4	7.0	7.2
4/22/2021	8.14	188	54	4.9	0.7	47	99.6	7.7	7.5	6.9	7.2
4/23/2021	7.91	188			0.6	40	99.7	7.6	7.4	7.0	7.1
4/24/2021	7.81	196			0.6	39	99.7				
4/25/2021	7.56	150			0.9	57	99.4				
4/26/2021	7.79	192			0.4	26	99.8	7.5	7.4	7.0	7.1
4/27/2021	7.84	180	62	1.6	0.5	33	99.7	7.5	7.5	7.0	7.1
4/28/2021	8.39	185			1.0	70	99.5	7.5	7.5	6.9	7.1
4/29/2021	10.34	180	52	1.2	1.0	86	99.4	7.6	7.6	6.9	7.1
4/30/2021	8.60	216			0.6	43	99.7	7.6	7.5	6.9	7.1
Minimum	7.56	116	39	0.8	0.3	21	99.4	7.4	7.4	6.9	7.0
Maximum	10.64	336	67	16.1	1.0	86	99.8	7.8	7.6	7.1	7.2
Total	260.74	5,852	493	42.5	17.3	1,256	2,990.7	159.4	157.6	146.7	150.0
Average	8.69	195	55	4.7	0.6	42	99.7	7.6	7.5	7.0	7.1

Downers Grove Sanitary District April, 2021

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
4/1/2021	8.89	J	<u> </u>	. ,	<u>J</u> -	
4/2/2021	8.58					
4/3/2021	8.60					
4/4/2021	8.34	15.72	0.10	7.0		
4/5/2021	8.61					
4/6/2021	8.34	15.06	0.10	7.0		
4/7/2021	8.46					
4/8/2021	10.64					
4/9/2021	10.11					
4/10/2021	10.20					
4/11/2021	10.64	14.12	0.10	8.9		
4/12/2021	9.62					
4/13/2021	8.49	19.80	0.19	13.5		
4/14/2021	8.61					
4/15/2021	8.53					
4/16/2021	8.17					
4/17/2021	8.01					
4/18/2021	8.01	22.68	0.10	6.7		
4/19/2021	8.25					
4/20/2021	8.77	20.76	0.10	7.3		
4/21/2021	8.48					
4/22/2021	8.14					
4/23/2021	7.91					
4/24/2021	7.81					
4/25/2021	7.56	18.16	0.10	6.3		
4/26/2021	7.79					
4/27/2021	7.84	22.40	0.10	6.5		
4/28/2021	8.39					
4/29/2021	10.34					
4/30/2021	8.60				0.03	
Minimum	7.56	14.12	0.10	6.3	0.03	
Maximum	10.64	22.68	0.19	13.5	0.03	
Total	260.74	148.70	0.89	63.1	0.03	
Average	8.69	18.59	0.11	7.9	0.03	

SLUDGE DATA			
Primary Sludge TS	3.18 %	6 1,087,921	Gallons
WAS to Digesters TS	3.48 %	6 727,560	Gallons
TWAS to Digester 4 TS	5.36 %	6 263,711	Gallons
Hauled Grease to Digs TS	%	6 306,478	Gallons
Anaerobically Digested Sludge Pumping			
Drying Beds TS	2.95 %	6 88,200	Gallons
BFP TS	2.32 %	6 710,500	Gallons
Lagoons TS	2.70 %	6 116,760	Gallons
Total		915,460	Gallons
VS Destruction		28.8	%
Biosolids Disposal			
Class A Distribution	Apr		Dry Tons
Class B Hauling	Apr		Dry Tons
Total	Apr		Dry Tons
Class A Distribution	YTD		Dry Tons
Class B Hauling	YTD		Dry Tons
Total	YTD	539	Dry Tons
ENERGY DATA			
ENERGY DATA	J 4 ;	6 420 427	COF
Total Digester Gas Proc		6,430,137	Cu.Ft./Lb.
Gas Volume per Volatile Solids	s Load	11.3	Cu.Ft./Lb.
Digester Gas Utilization	angoro	39,865	SCE
Heat Exch Dehumidit	-	461,031	
Denamidi	CHP	5,794,567	
	Total	6,295,464	
Digester Gas Flared	IUIAI	134,673	
Natural Gas Consumed		134,073	SCF
	WWTC	14,300	SCE
`	MSB	11,500	
Chemica		3,100	
	Walnut		SCF
Kilowatt-hours Generated CHP	vvairiut	459,174	
Net energy from Comed			
Monthly net energy		-102,004	MWH
MISCELLANEOUS		-93	IVIVVII
Grit Removal	Apr	20	Cu. Yds
Grit Removal	YTD		Cu. Yds
Anaerobic Supernate	110	738,810	
Waste Activated Sludge		•	Gals/Day
City Water Consumed			Gallons
Oity Water Consumed		14,430	Janons

Downers Grove Sanitary District April, 2021

	Tertiary Flow MGD	Influent Phosphorus	Tertiary Effluent Phosphorus	Influent Phosphorus Load	Tertiary Effluent Phosphorus Load	Phosphorus Removal %	Influent Nitrogen	Tertiary Effluent Nitrogen	Influent Nitrogen Load	Tertiary Effluent Nitrogen Load	Nitrogen Removal %	Tertiary Effluent Nitrate Grab
Date	MGD	mg/l	mg/l	lbs/day	lbs/day	%	mg/l	mg/l	lbs/day	lbs/day	%	mg/l
4/1/2021	8.89											19.36
4/2/2021	8.58											
4/3/2021	8.60											
4/4/2021	8.34											
4/5/2021	8.61	4.98	2.90	344.0	208.1	41.8						
4/6/2021	8.34											
4/7/2021	8.46											
4/8/2021	10.64											20.28
4/9/2021	10.11											
4/10/2021	10.20											
4/11/2021	10.64											
4/12/2021	9.62	6.21	2.61	489.1	209.4	58.0						
4/13/2021	8.49											19.79
4/14/2021	8.61											
4/15/2021	8.53						31.8	20.8	2,191.1	1,479.9	32.5	
4/16/2021	8.17											
4/17/2021	8.01											
4/18/2021	8.01											
4/19/2021	8.25	8.01	3.55	515.3	244.1	55.7						
4/20/2021	8.77											
4/21/2021	8.48											
4/22/2021	8.14											22.86
4/23/2021	7.91											
4/24/2021	7.81											
4/25/2021	7.56											
4/26/2021	7.79	5.06	3.78	308.2	245.4	25.3						
4/27/2021	7.84											
4/28/2021	8.39											
4/29/2021	10.34											22.60
4/30/2021	8.60											
Minimum	7.56	4.98	2.61	308.2	208.1	25.3	31.8	20.8	2,191.1	1,479.9	32.5	19.36
Maximum	10.64	8.01	3.78	515.3	245.4	58.0	31.8	20.8	2,191.1	1,479.9	32.5	22.86
Total	260.74	24.26	12.84	1,656.6	907.1	180.7	31.8	20.8	2,191.1	1,479.9	32.5	104.89
Average	8.69	6.07	3.21	414.2	226.8	45.2	31.8	20.8	2,191.1	1,479.9	32.5	20.98

Permit

IL0028380 Permit #:

Permittee: DOWNERS GROVE SANITARY DISTRICT

Yes Major:

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility Location:

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

5003 WALNUT AVENUE

DOWNERS GROVE, IL 60515

Permitted Feature: 001

External Outfall

Underwood

Discharge: 001-0

Permittee Address:

COMBINED DISCHARGE FROM A01, B01, & C01

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21 **DMR Due Date:** 05/25/21 Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE.COMBINED OUTFALLS: A01-MIXING CHAMBER DISCHARGE TO E BR OF DUPAGE RIVER-EFFECTIVE WHEN FLOWS TO TRT PLT ARE GREATER THAN 22 MGD & EXCESS FLOW FAC IS IN OPERATION. 002 BECOMES OPERATIONAL WHEN 001, A01,& B01 EXCEED 30 MGD.

Principal Executive Officer

First Name: Amy Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring	Season #	Param. NODI				Quantity or								Concentration		# of		Sample Ty
ode	Name	Location	#	NODI		Qualifier 1		Qualifier 2	Value 2	Units	Qualifie 1	r Value 1	Qualific 2	er Value 2	Qualifie 3	value 3	Units	Ex.		
					Sample						=	7.9	=	7.8	=	7.7	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAE
300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AV MN		Req Mon MN WK AV		Req Mon DAILY MN	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAI
		Gross			Value NODI															
					Sample								=	3.1	=	3.4	19 - mg/L		04/07 - Four Per Week	CP - COMPOS
310	BOD, 5-day, 20 deg. C	1 - Effluent	0		Permit								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAE
310	202, 5 day, 25 dog. 6	Gross			Req. Value												109/2		2220 Zany William Ziooniangining	J. C. C. C. C.
					NODI Sample							6.9				7.1	12 - SU		05/DW - 5 Days Every Week	GR - GRA
		1 - Effluent			Permit						>=	6.0 MINIMUM			= <=	9.0 MAXIMUM	12 - SU		DL/DS - Daily When Discharging	GR - GRAI
400	pH	Gross	0		Req. Value						>=	0.0 IVIIIVIIVIOIVI			\=	S.U IVIAAIIVIOIVI	12 - 30	0	DDDS - Daily When Discharging	GK - GKA
					NODI															
					Sample								=	0.6	=	0.7	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRA
					Value NODI															
					Sample								=	0.11	=	0.19	19 - mg/L		02/DW - Twice Every Discharge Week	CP - COMPOS
610	Nitrogen, ammonia total [as	1 - Effluent	0		Permit									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRA
	N]	Gross			Req. Value														, ,	
					NODI Sample										=	3.78	19 - mg/L		04/30 - Four Per Month	CP -
		1 - Effluent			Permit													-		COMPOS
665	Phosphorus, total [as P]	Gross	0		Req.											Req Mon DAILY MX	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAI
					Value NODI															
					Sample Permit								=	0.03			19 - mg/L		DL/DS - Daily When Discharging	GR - GRAE
060	Chlorine, total residual	1 - Effluent Gross	0		Req.								<=	0.75 MO AVG			19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAE
					Value NODI															
					Sample															
055	Coliform, fecal general	1 - Effluent	0		Permit Req.										<=	400.0 DAILY MX	13 - #/100mL		DL/DS - Daily When Discharging	GR - GRAE
.000	Comorni, recai general	Gross			Value NODI											9 - Conditional Monitoring - Not Required This Period				
					Sample		-	= 260).74	80 - Mgal/mo									99/99 - Continuous	
2220	Flow, total	1 - Effluent	0		Permit				q Mon MO	80 -								0	99/99 - Continuous	
	,	Gross			Req. Value			TO	TAL	Mgal/mo										
					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 Zero days of discharge combined with A01 or C01. Attachments No attachments. Report Last Saved By DOWNERS GROVE SANITARY DISTRICT User: reeseberry Dorrance Berry Name: E-Mail: rberry@dgsd.org

Report Last Signed By

Date/Time:

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:54 (Time Zone: -05:00)

2021-05-12 14:48 (Time Zone: -05:00)

Permit

Major:

Permit #: IL0028380

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address: 2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Facility Location:

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature: 0

002 External Outfall Discharge:

Title:

002-0
MIXING CHMBR OVERFLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21

Yes

DMR Due Date: 05/25/21

Status: NetDMR Validated

Considerations for Form Completion
NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name: An

Amy Underwood General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Form NODI:

Parameter Monitoring Location Parameter Monitoring Location Parameter Monitoring Location Parameter Monitoring Location Parameter Value Coulifier Value Coulifie	Form N																		
		Parameter	Monitoring Location	Season #	Param. NODI													# of Ex. Frequency of Analysis	Sample Type
	Code	Name					Qualifier 1 \	Value 1 Qualifier 2	Value 2	Units	Qualifier	1 Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units		
Sample S																D. M. DAHAYAMI	40 //	DI /DO D 'I M/I D' I	00.0040
Sample Ph	00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0														DL/DS - Daily When Discharging	GR - GRAB
						Value NODI										C - No Discharge			
Note Part Property Proper																			
Description Phase Permit Req. Sample Permit Req. Sample Permit Req. Sample	00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
Description Permit Req.						Value NODI								C - No Discharge		C - No Discharge			
Value NOD Value NOD Value NOD C - No Discharge DLDS - Daily When Discharging C - No Discharge C - No Discharge																			
Solids, total suspended 1-Effluent Gross 0	00400	pH	1 - Effluent Gross	0		Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	DL/DS - Daily When Discharging	GR - GRAB
Open Solids, total suspended 1 - Effluent Gross 0						Value NODI						C - No Discharge				C - No Discharge			
Value NOD Val																			
Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] 1 - Effluent Gross Nitrogen, ammonia total [as N] Nitrogen, ammonia tota	00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.							<=	30.0 MO AVG	<=	45.0 WKLY AVG	19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
Nitrogen, ammonia total [as N] 1 - Effluent Gross 0						Value NODI								C - No Discharge		C - No Discharge			
Value NOD Value NOD C - No Discharge C - No Discharge DL/DS - Daily When Discharging GR - GRAB																			
Sample Permit Req. Sample Permit Req. Permit Req	00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
Phosphorus, total [as P] 1 - Effluent Gross 0 Permit Req.						Value NODI										C - No Discharge			
Value NODI This principle is a principle in the filter of the permit Req. Value NODI The filter of the permit Req. The filter						Sample													
Chlorine, total residual 1 - Effluent Gross 0 Permit Req. Value NODI 74055 Coliform, fecal general 1 - Effluent Gross 0 Sample Permit Req. Value NODI Req Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging GR - GRAB C - No Discharge DL/DS - Daily When Discharging GR - GRAB DL/DS - Daily When Discharging DL/DS - Daily When Discharging DL/DS - Daily When Discharging	00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
50060 Chlorine, total residual 1 - Effluent Gross 0 Permit Req. Value NODI Cea 0.75 MO AVG 19 - mg/L DL/DS - Daily When Discharging GR - GRAB 74055 Coliform, fecal general 1 - Effluent Gross 0 Sample Permit Req. Value NODI Sample Value NODI						Value NODI										C - No Discharge			
Value NODI Value NODI C - No Discharge DL/DS - Daily When Discharging C - No Discharging C - No Discharge DL/DS - Daily When Discharging C - No Discharge DL/DS - Daily When Discharging DL/DS - Daily When Discharging C - No Discharge DL/DS - Daily When Discharging DL/DS - Daily When																			
Coliform, fecal general 1 - Effluent Gross 0 Sample Permit Req. Value NODI 82220 Flow, total 1 - Effluent Gross 0 Sample Permit Req. Sample C No Discharge Sample Permit Req. Sample DL/DS - Daily When Discharging GR - GRAB Req Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging DL/DS - Daily When Discharging GR - GRAB	50060	Chlorine, total residual	1 - Effluent Gross	0		Permit Req.							<=	0.75 MO AVG			19 - mg/L	DL/DS - Daily When Discharging	GR - GRAB
Coliform, fecal general 1 - Effluent Gross 0 Permit Req. Value NODI 82220 Flow, total 1 - Effluent Gross 0 Permit Req. Req Mon MO TOTAL 80 - Mgal/mo Req Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging GR - GRAB DL/DS - Daily When Discharging GR - GRAB DL/DS - Daily When Discharging GR - GRAB						Value NODI								C - No Discharge					
Value NODI 82220 Flow, total 1 - Effluent Gross 0 Sample Permit Req. Req Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging						Sample													
Value NODI Sample Flow, total 1 - Effluent Gross 0 Req Mon MO TOTAL 80 - Mgal/mo DL/DS - Daily When Discharging	74055	Coliform, fecal general	1 - Effluent Gross	0		Permit Req.									<=	400.0 DAILY MX	13 - #/100mL	DL/DS - Daily When Discharging	GR - GRAB
82220 Flow, total 1 - Effluent Gross 0 Permit Req. Req Mon MO TOTAL 80 - Mgal/mo		. •				Value NODI										C - No Discharge			
ozzzu Fiow, total 1 - Ellidefit Gloss 0						Sample													
	82220	Flow, total	1 - Effluent Gross	0		Permit Req.			Req Mon MO TOTAL	80 - Mgal/m	0							DL/DS - Daily When Discharging	
	32220		. Lindon Cross			Value NODI			C - No Discharge										

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry

Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:49 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:54 (Time Zone: -05:00)

Permit

IL0028380 Permit #:

DOWNERS GROVE SANITARY DISTRICT Permittee:

Yes Major:

2710 CURTISS STREET PO BOX 1412 DOWNERS GROVE, IL 60515

Facility Location:

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Permittee Address:

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature:

003 External Outfall Discharge: 003-0

EXCESS FLOW TO ST. JOSEPH CRK

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21 **DMR Due Date:** 05/25/21

Status:

NetDMR Validated

Considerations for Form Completion

NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:

Amy

Underwood

Title: General Manager Telephone:

630-969-0664

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NOD	I	Quantity o	r Loading					Quality or Concentra	ntion			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Sample Permit Req. Value NODI									Req Mon DAILY MN C - No Discharge	19 - mg/L	Γ	DL/DS - Daily When Discharging	GR - GRAB
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Sample Permit Req. Value NODI						<=	30.0 MO AVG C - No Discharge	<=	45.0 WKLY AVG C - No Discharge	19 - mg/L	Г	DL/DS - Daily When Discharging	GR - GRAB
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI				>=	6.0 MINIMUM C - No Discharge			<=	9.0 MAXIMUM C - No Discharge	12 - SU	С	DL/DS - Daily When Discharging	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0		Sample Permit Req. Value NODI						<=	30.0 MO AVG C - No Discharge	<=	45.0 WKLY AVG C - No Discharge	19 - mg/L	Е	DL/DS - Daily When Discharging	GR - GRAB
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Sample Permit Req. Value NODI									Req Mon DAILY MX C - No Discharge	19 - mg/L	С	DL/DS - Daily When Discharging	GR - GRAB
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Sample Permit Req. Value NODI									Req Mon DAILY MX C - No Discharge	19 - mg/L	С	DL/DS - Daily When Discharging	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0		Sample Permit Req. Value NODI						<=	0.75 MO AVG C - No Discharge			19 - mg/L	С	DL/DS - Daily When Discharging	GR - GRAB
74055	Coliform, fecal general	1 - Effluent Gross	0		Sample Permit Req. Value NODI								<=	400.0 DAILY MX C - No Discharge	13 - #/100ml	. С	DL/DS - Daily When Discharging	GR - GRAB
82220	Flow, total	1 - Effluent Gross	0		Sample Permit Req. Value NODI		q Mon MO TOTAL : - No Discharge	80 - Mgal/m	0							С	DL/DS - Daily When Discharging	

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:49 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:54 (Time Zone: -05:00)

Permit

Major:

IL0028380 Permit #:

Permittee:

DOWNERS GROVE SANITARY DISTRICT

Permittee Address:

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

Facility Location:

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

A01 **Permitted Feature:**

External Outfall

Discharge: A01-0

EXCESS FLOW FROM EXCESS FLOW CLARIFIERS

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21

Yes

DMR Due Date: 05/25/21 Status: **NetDMR Validated**

Considerations for Form Completion NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name: Amy

Last Name:

Underwood

Title: General Manager Telephone:

Facility:

630-969-0664

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI			Quantity	or Loading				Q	uality or Cor	ncentrat	ion		# of Ex.	Frequency of Analysis	Sample Typ
Code	Name	3				Qualifier	1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1		Value 2 Qu		Value 3	Units		.,,	
					Sample														
0310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.									I	Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
	- , , , 3 .				Value NODI										C - No Discharge				
					Sample														
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAE
					Value NODI										C - No Discharge				
					Sample														
0610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAE
					Value NODI										C - No Discharge				
					Sample														
0665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
	. ,				Value NODI										C - No Discharge				
					Sample														
32220	Flow, total	1 - Effluent Gross	0		Permit Req.		F	Req Mon MO TOTAL	80 - Mgal/m)								DL/DS - Daily When Discharging	CN - CONT
	•	1 - Effluent Gross 0			Value NODI			C - No Discharge											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:49 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

2021-05-12 14:54 (Time Zone: -05:00) Date/Time:

Permit

Permit #: IL0028380 Permittee:

DMR Due Date:

DOWNERS GROVE SANITARY DISTRICT

Major: Yes Permittee Address:

Facility: DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

2710 CURTISS STREET PO BOX 1412

DOWNERS GROVE, IL 60515

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

Permitted Feature: B01

External Outfall

Discharge:

B01-0 INTERNAL MIXING CHMBR - E. BR. DUPAGE RVR

Report Dates & Status

From 04/01/21 to 04/30/21 **Monitoring Period:**

05/25/21

Status: **NetDMR Validated**

Considerations for Form Completion

DMF LOAD LIMITS DISPLAYED.

Principal Executive Officer

First Name: Amy

Last Name: Underwood Title: General Manager

Telephone:

Facility Location:

630-969-0664

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	# Param. NOD)I		Qu	antity or Lo	ading				(Quality or Co	ncentration			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	2 Value 2	Units	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualifier	3 Value 3	Units			
					Sample										=	56.8	15 - deg F		01/30 - Monthly	GR - GRAB
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0		Permit Req.											Req Mon MO MA	X 15 - deg F	- 0	01/30 - Monthly	GR - GRAB
00011	remperature, water deg. ramemen	1 Emacin Gross			Value NODI															
					Sample								=	7.8	=	7.7	19 - mg/L		03/DW - 3 Days Every Week	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.								>=	6.0 MN WK	AV >=	5.0 DAILY MN	19 - mg/L	0	02/DA - 2 Days Every Week	GR - GRAB
	, 3000,				Value NODI	ı														
					Sample						=	6.9			=	7.1	12 - SU		05/DW - 5 Days Every Week	GR - GRAB
00400	pH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM	1		<=	9.0 MAXIMUM	12 - SU	0	02/DA - 2 Days Every Week	GR - GRAB
00.00	P	maon oross			Value NODI															
					Sample										=	168.0	19 - mg/L		01/30 - Monthly	CP - COMPOS
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY	ИХ 19 - mg/L	0	01/30 - Monthly	CP - COMPO
00410	Aikaiiiity, totai [as caccs]	1 - Lindent Gross	U		Value NODI															
					Sample	=	41.86	=	86.24	26 - lb/d			=	0.6	=	1.0	19 - mg/L		05/DW - 5 Days Every Week	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.	<=	2202.0 MO AVG	<=	4404.0 DAILY MX	26 - lb/d			<=	12.0 MO AV	′G <=	24.0 DAILY MX	19 - mg/L	-	02/DA - 2 Days Every Week	CP - COMPOS
00330	Solius, total suspended	1 - Lilidelit Gloss	U		Value NODI													0		
					Sample										=	20.8	19 - mg/L		01/30 - Monthly	CP - COMPOS
00600	Nitragen total [co N]	1 Effluent Cross	0		Permit Req.											Req Mon DAILY			01/30 - Monthly	CP - COMPOS
00600	Nitrogen, total [as N]	1 - Effluent Gross	U		Value NODI											·		U		
					Sample	=	7.88	=	13.45	26 - lb/d			=	0.11	=	0.19	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
00610	Nitragan ammania total [as N]	1 - Effluent Gross	2		Permit Req.		275.0 MO AVG	<=		26 - Ib/d			<=	1.5 MO AV	G <=	3.0 DAILY MX	19 - mg/L		02/DA - 2 Days Every Week	CP - COMPOS
00010	Nitrogen, ammonia total [as N]	1 - Ellidelit Gloss	3		Value NODI													0		
					Sample										=	1.3	19 - mg/L		01/30 - Monthly	CP - COMPOS
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY I	/IX 19 - mg/L	0	01/30 - Monthly	CP - COMPOS
00023	Nitrogen, Kjeldani, total [as N]	1 - Lilidelit Gloss	U		Value NODI													0		
					Sample										=	19.5	19 - mg/L		01/30 - Monthly	CA - CALCTD
00630	Nitrito - Nitrata total Can NI	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY	/IX 19 - mg/L		01/30 - Monthly	CA - CALCTD
00030	Nitrite + Nitrate total [as N]	1 - Elliuent Gloss	U		Value NODI													U		
					Sample										=	3.78	19 - mg/L		04/30 - Four Per Month	CP - COMPO
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY I			01/30 - Monthly	CP - COMPOS
00000	Filospilorus, total [as F]	1 - Ellidelit Gloss	U		Value NODI													U		
					Sample										=	2.82	19 - mg/L		01/30 - Monthly	CP - COMPOS
00666	Phosphorus, dissolved	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY I			01/30 - Monthly	CP - COMPOS
00000	rnosphorus, dissolved	1 - Ellidelit Gloss	U		Value NODI													U		
					Sample										=	300.0	19 - ma/l		01/30 - Monthly	GR - GRAB
00040	Chlorido (as CI)	1 - Effluent Gross	0		Permit Req.											Req Mon DAILY	MX 19 - mg/L		01/30 - Monthly	GR - GRAB
00940	Chloride [as Cl]	- Ellident Gloss	U		Value NODI													U		
					Sample		8.69	_	10.64	03 - MGE)								99/99 - Continuous	
50050	Plane in applicit and the forest transfer	4 540.5 - 1 0			Permit Req.		Req Mon MO AVO		Reg Mon DAILY MX									+	99/99 - Continuous	
50050	Flow, in conduit or thru treatment plant	i - Επιμέπt Gross	U				,		.,									0		
					Value NODI															

			Sample							=	0.03	19 - mg/L	CL/OC - Chlorination/Occurance	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross 1	 Permit Req.							<=	0.05 DAILY MX	19 - mg/L	CL/OC - Chlorination/Occurance	GR - GRAB
00000	onionio, total residual	1 Lindon Gross 1	Value NODI											
			Sample	= 80.87	=	135.69	26 - lb/d	=	1.1	=	2.0	19 - mg/L	04/07 - Four Per Week	CP - COMPOS
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross 0	 Sample Permit Req	1111	= <=	135.69 3670.0 DAILY MX		= <=	1.1 10.0 MO AVG	= <=	2.0 20.0 DAILY MX	19 - mg/L 19 - mg/L	04/07 - Four Per Week 02/DA - 2 Days Every Week	CP - COMPOS CP - COMPOS

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:53 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry
Name: Dorrance Berry
E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:54 (Time Zone: -05:00)

Permit

Permit #: IL0028380

DOWNERS GROVE SANITARY DISTRICT Permittee:

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Major:

Yes

2710 CURTISS STREET PO BOX 1412 **Permittee Address:**

Facility Location:

5003 WALNUT AVENUE DOWNERS GROVE, IL 60515

C01 **Permitted Feature:**

External Outfall

Underwood

Discharge: C01-0

EXCESS FLOW FROM CLARIFIER #1

DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21 **DMR Due Date:** 05/25/21

Status: **NetDMR Validated**

Considerations for Form Completion NUMBER OF DAYS OF DISCHARGE:CS

Principal Executive Officer

First Name:

Title:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Last Name:

	Parameter	Monitoring Location	Season #	Param. NODI			Quantity of	or Loading				Q	uality or Co	ncentrat	ion		# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	1 Value 1 Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2 Qu	ualifier 3	Value 3	Units			
					Sample														
0310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L	[DL/DS - Daily When Discharging	GR - GRAB
					Value NODI										C - No Discharge				
					Sample														
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI										C - No Discharge				
					Sample														
0610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L	[DL/DS - Daily When Discharging	GR - GRAB
	_				Value NODI										C - No Discharge				
					Sample														
0665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.										Req Mon DAILY MX	19 - mg/L		DL/DS - Daily When Discharging	GR - GRAB
					Value NODI										C - No Discharge				
					Sample														
2220	Flow, total	1 - Effluent Gross	0		Permit Req.		R	eq Mon MO TOTAL	80 - Mgal/mo								0	DL/DS - Daily When Discharging	CN - CONTI
					Value NODI			C - No Discharge											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:53 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

2021-05-12 14:54 (Time Zone: -05:00) Date/Time:

Permit

Permit #: IL0028380 Permittee:

DOWNERS GROVE SANITARY DISTRICT 2710 CURTISS STREET PO BOX 1412

Permittee Address:

Facility:

DOWNERS GROVE S.D. - WASTEWATER TREATMENT CENTER

Major: Yes

Facility Location:

5003 WALNUT AVENUE

Permitted Feature:

INF Influent Structure

Underwood

Discharge:

Status:

DOWNERS GROVE, IL 60515

Report Dates & Status

Monitoring Period: From 04/01/21 to 04/30/21 INFLUENT MONITORING

INF-L

05/25/21

DOWNERS GROVE, IL 60515

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name: Amy Title:

DMR Due Date:

General Manager

Telephone:

630-969-0664

No Data Indicator (NODI)

Last Name:

Form No	ODI:																			
	Parameter	Monitoring Location	Season #	# Param. NOD	I		Qu	antity or Loa	ading					Quality or Conc	entration			# of E	x. Frequency of Analysis	s Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units C	Qualifier 1	1 Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units			
					Sample								=	204.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVG			19 - mg/L	0	09/99 - See Permit	CP - COMPOS
	, , , , , , , , , , , , , , , , , , , ,				Value NODI															
					Sample								=	195.0			19 - mg/L		09/99 - See Permit	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVG			19 - mg/L	. 0	09/99 - See Permit	CP - COMPOS
		- Tan Janaga maan			Value NODI															
					Sample										=	31.8	19 - mg/L		01/30 - Monthly	CP - COMPOS
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	. 0	01/30 - Monthly	CP - COMPOS
					Value NODI															
					Sample										=	8.01	19 - mg/L		04/30 - Four Per Month	CP - COMPOS
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0		Permit Req.											Req Mon DAILY MX	19 - mg/L	. 0	01/30 - Monthly	CP - COMPOS
		- Tan Janaga maan			Value NODI															
					Sample	= 8	8.35	=	10.2	03 - MGD									99/99 - Continuous	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0		Permit Req.		Req Mon MO AVO	3	Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	
30000	and the state of t	z i.a.i comago iiiidoni			Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

DOWNERS GROVE SANITARY DISTRICT

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

Date/Time: 2021-05-12 14:54 (Time Zone: -05:00)

Report Last Signed By

User: reeseberry Name: Dorrance Berry E-Mail: rberry@dgsd.org

2021-05-12 14:54 (Time Zone: -05:00) Date/Time:

DOWNERS GROVE SANITARY DISTRICT

M E M O

TO: Amy Underwood, General Manager

FROM: Jeff Barta, Maintenance Supervisor

DATE: May 12, 2021

SUBJECT: April 2021 Maintenance Report

Attached is a work order summary detailing equipment repair and preventive maintenance activities conducted by the maintenance/electrical department and operations during April 2021.

Special projects in April included:

Installation of New Covered Outdoor Meeting/Break Areas – WWTC & Administration Center

Having safe, in-person meetings during the ongoing COVID pandemic has been a challenge. Having enough space for employees to maintain appropriate social distancing is also a concern. To help resolve some of these issues we have installed new concrete patios with aluminum all weather gazebos at the WWTC and at the Administration Center.

District staff excavated the areas at both locations to prepare the sites for the concrete patios to be installed. Boller Construction was hired on a time & material basis to form and pour the new concrete patios. After the new patios were installed, District staff regraded and restored the lawn areas around the new patios. All weather aluminum gazebos were purchased at Costco and were also installed by District staff.

At the WWTC, the new 17' x 25' patio, with a 12' x 20' aluminum gazebo, is located east of the lunchroom at the Maintenance services building. It is connected to the existing sidewalk for the south entrance to the building. A new piece of sidewalk was also poured connecting the new patio to the east wall of the lunchroom for a future door directly out of the lunchroom to the patio. This new door will be included in the budgeted lunchroom window replacement in FY22-23.



At the Administration Center, the new 14' x 16' patio, with a 12' x 10' aluminum gazebo, is located east of the parking lot near the north end. A new sidewalk was also installed connecting the patio to the parking lot.

Besides having an appropriate outdoor space to hold meetings, the feedback from several employees is that they are looking forward to using the new covered patios for their lunchbreaks. We plan to purchase some commercial grade picnic tables in the future for the patios. Pricing at this time is quite high, and availability for these picnic tables is low. We will wait until later in the season or possibly next year before they will be purchased.

The total cost for the covered patio installations were \$10,899.99 at the WWTC & \$5,999.99 at the Administration Center.



Lift Station Generator Repairs - Hobson, Butterfield, Northwest & Portable 150 kW Generator

The additional repairs at the Hobson, Butterfield & Northwest lift stations and the 150 kW Portable generator have been completed. The repair on the Centex lift station generator are still pending, parts have not arrived yet.

As previously mentioned in last month's report, I was able to negotiate with Altorfer to find ways to group these repairs and reduce the travel and trip charges. With doing so, we were able to save \$508.00 in traveling/trip charge costs.

Vehicle Repairs at Packey Webb Ford – 2011 F-250 WWTC Plow Truck & 2015 Transit Van

We had two (2) vehicles this month that required repairs at the local Ford dealership.

The 2011 F-250 4x4 (WWTC Plow Truck) was having issues with noise coming from the right front u-joint and both locking hubs for the 4-wheel drive were very stiff and hard to engage. The front u-joint on the right side was replaced along with both front locking hubs.

The 2015 Transit van (Buildings & Grounds) only had 1 key fob that was working. A second key fob was purchased as a replacement and had to be programmed at the dealer for the vehicle.

Work Order Summary

Work Order Completion Dates from 4/1/2021 to 4/30/2021

Work Assignment	Completion Date	Equipment	NOTATIONS
Troubleshoot unexpected shutdown. Diagnose replace analog output card.	01-Apr-21	CHP Engine Genset #1	Replaced analog output card. Bled and topped off coolant system.
18,937 Hours. Peform 1200 hour maintenance on engine. Leak Repair.		CHP Engine Genset #2	Performed all normal tasks of a 1200 hour maintenance. Replaced site glass assembly on oil tank reservoir with new. Replaced cylinder 4 intake valve/rocker adjuster.
3 Month Oil Change Blower #4	05-Apr-21	Aeration Blower 04	
3 month Greasing of 3 AUMA Actuators		Aeration Tank 10	
		Digester 1 Mixing Pump	
Annual Full Service PM		Hobson Lift Station Mixing Sys	Delta Industries performed the annual full service PM.
Grease Pump Bearings on 1-6 RAS pumps		RAS Pump 1	
		RAS Pump 2	
		RAS Pump 3	
		RAS Pump 4	
		RAS Pump 5	
		RAS Pump 6	
Annual full service PM		WWTC ODS Pump Air Compressor	Delta Industries performed the annual full service PM.
Monthly Liquid Status of Under Ground Diesel Tank	06-Apr-21	Emerg Gen Diesel Storage Tank	
Repipe and unplug TWAS PVC air relief valve piping.		WAS Volute Thickener TWAS Pump	Repiped and unpluged PVC piping on discharge side of TWAS air relief valve.
6000 Hour Oil Change on Unison Gas Skid Blower	07-Apr-21	CHP Gas Cleaning System	
Run And Inspect Generators With The Load Of The Plant		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Set up and run composting pilot on sludge drying pan.		Sludge Drying Pad	Install overhead temporary electrical service from big top, install composting control system equipment, mix and run batches over several months and monitor results.
A/C and creep control repair	08-Apr-21	2015 Wheel Loader #332	Take to Westside tractor for A/C repair and creep control repair. Also repaired hydraulic leak, and quick attachment connection wiring.
Oil Bell & Gosset Pumps	09-Apr-21	Digester 1 Heat Exchanger	
		Digester 2 Heat Exchanger	
		Digester 3 Heat Exchanger	
		Digester 4 Heat Exchanger	
		Digester 5 Heat Exchanger	
		Excess Flow Pump Station	

Friday, May 7, 2021 Page 1 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
Turn on/off heat trace for various equipment	12-Apr-21	Aeration Tank 05	
		Aeration Tank 06	
		Aeration Tank 07	
19,171 / 28,807 Hours. Change oil and oil filters.		CHP Engine Genset #2	Changed oil and oil filters. Sent oil sample to lab for analysis (IND-57650)
Turn on/off heat trace for various equipment		CHP Gas Cleaning System	
Seasonal open and close of Pearth 4 louvers		Digester 4 Mixing System	
Exercise of Excess Influent and Effluent Gates		Excess Flow Clarifier 1	
		Excess Flow Clarifier 2	
		Excess Flow Clarifier 3	
		Excess Flow Clarifier 4	
Procure and install railing on roof South of Munters Dehumidifier.		Filter Building	Installed new railing for roof.
Exercise both 24" primary influent ratio valves		Tunnel From PS to Grit	
		Tunnel/Chan Primary Clarifiers	
1225 hours. Change oil & filter. Sample for analysis. 1200 hr maint.	13-Apr-21	CHP Engine Genset #2	Changed oil and oil filters. Sent oil sample to lab for analysis (IND-45696). Performed all 1200 hour service tasks as normal.
3 way valve and actuator not functioning		CHP Heat Recovery System	Removed actuator and exercised valve (was very tight). Replaced actuator to valve coupling with new from stock. Verified operation.
Replace Discharge Force Main Air Relief Valves (2)	14-Apr-21	Centex Discharge Force Main	Replace both combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to be reused at the next location.
Remove/Install Insulating Jackets on Digester Gas Equipment		Digester 5 Cover	
Replace Discharge Force Main Air Relief Valves (2)		Hobson Discharge Force Main	Replace both combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next location.
Geothermal units due for cooling water line acid cleaning.		Laboratory	A-Formula disconnected the effluent water lines, reverse acid flushed cooling water coils, drain & rinse coil, reconnect effluent supply & drain lines, test operation.
		Maintenance Services Building	
Geothermal units due for cooling water line acid cleaning		Raw Sewage Pump Station	
Replace Discharge Force Main Air Relief Valves (2)		Wroble Discharge Force Main	Replace both combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next location.
Replace Discharge Force Main Air Relief Valves (4)	15-Apr-21	Liberty Park Dschrg Force Main	Replace both combination air valves with reconditioned units. Clean and recondition the valves that were removed to reuse in the next location.
Replace Discharge Force Main Air Relief Valves (2)		Venard Discharge Force Main	Replace both combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next location.
Replace Discharge Force Main Air Relief Valves (3)	16-Apr-21	Northwest Discharge Force Main	Replace all 3 combination air relief valves on the force main with reconditioned units. Clean and recondition the valves that were removed to reuse at the next location.
Check All Fluids In The Equipment Listed Below	19-Apr-21	2009 Sterling LT 7500	

Friday, May 7, 2021 Page 2 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
		2013 Wheel Loader #334	
		2014 Freightliner M2106 6 yd d	
		2015 Wheel Loader #332	
		2017 Deere 544K Wheel Loader	
		2019 Skid Steer	
		4 inch Jaeger Pump	
		6 in CH&E DSL TRSH PMP PERKIN	
		6 in CHE Diesel Trash Pump C/P	
		6 in JAEGER PUMP (FORD)	
Check STR 700, 721, 741, clean		CHP Gas Cleaning	
as needed.		System	
Check All Fluids In The Equipment Listed Below		Portable Generator 150	
		Portable Generator 200	
		Portable Generator 350	
		WWTC ODS Pump Air Compressor	
Replace front U-Joints and locking hubs for the 4 wheel drive.	20-Apr-21	2011 Ford F-250	Packey Webb Ford replaced the front u-joints and the locking hubs on the front end for the 4 wheel drive.
Purchase a replacement vehicle key and get it programed.		2015 Ford Transit Connect XL	Packey Webb Ford supplied and programmed a spare key for the B&G van.
Flush Pearth 2 with 3 oz of Kerosene/Oil mixture		Digester 2 Mixing System	
By-Weekly Fluid and Misc. Check of Generators		Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
2 MONTH EXERCISE OF INTERMEDIATE VALVES		Excess Flow Pump Station	
		Intermediate Sludge Pump 1	
		Intermediate Sludge Pump 2	
Run And Inspect Generators With The Load Of The Plant	21-Apr-21	Emergency Generator 1	
		Emergency Generator 2	
		Emergency Generator 3	
Grease Raw Sewage And Excess Flow Pumps		Excess Flow Pump 06	
		Excess Flow Pump 07	
		Excess Flow Pump 08	
		Excess Flow Pump 09	
		Raw Sewage Pump 1	
		Raw Sewage Pump 2	
		Raw Sewage Pump 3	
		Raw Sewage Pump 4	
		Raw Sewage Pump 5	
Eriden Man 7, 2021			

Friday, May 7, 2021 Page 3 of 4

Work Assignment	Completion Date	Equipment	NOTATIONS
Replace the level sensor in tank 2 that failed.	22-Apr-21	Hypochlorite Storage Tanks	Remove the old transducer, configure and install new transducer.
Install the new welding bench fume extractor system.	23-Apr-21	Maintenance Services Building	Upgrade the exhaust fan blower motor and install the articulated welding fume exhaust equipment at the welding bench.
Replace sludge valve # 257 that is stuck in the open position.	26-Apr-21	Digester 4 - 5 Control Buildg	Remove the actuator and the 6" plug valve. Found the rubber plug was torn off and jammed. Modify a new 6" plug valve to attach to the actuator. Reinstall and test operation.
500 Hour Oil Change on Pearth 4		Digester 4 Mixing System	
Install outdoor meeting area on south side of the building.	28-Apr-21	Administration Center	District staff excavated the area, Boller Construction formed and poured the new patio, District staff assembled and installed the new 12' x 10' gazebo
Replace leaking coolant sensor, test for leaks.	29-Apr-21	Butterfield Stationary Generat	Altorfer Power Systems replaced the leaking coolant sensor, pressure test. No coolant system leaks.
Replace broken control switch knobs and faulty gauges.	30-Apr-21	Digester 4 Mixing System	Procured and replaced 2 broken switch knobs and all three pressure gauges.
Replace fan guards, belts, hoses & thermostats.		Hobson Stationary Generator	Altorfer Power Systems replaced the broken fan guards, worn hoses, belts & thermostats.
Install outdoor meeting area on south side of the building.		Maintenance Services Building	District staff excavated the area, Boller Construction formed and poured the new patio, District staff assembled and installed the new 12' x 20' gazebo.
Replace engine jacket heater with upgraded style & replace heater hoses.		Portable Generator 150	Altorfer Power Systems replaced the engine jacket heater with upgraded style & replace heater hoses.

Friday, May 7, 2021 Page 4 of 4

DOWNERS GROVE SANITARY DISTRICT MEMO

DATE: May 4, 2021

Amy Underwood General Manager TO:

FROM: Robert Swirsky Sewer System Maintenance Supervisor

Manhole inspections

7.

RE:	Monthly Report – April, 2021			
1.	JULIE Line Markings: Received In District Marked Man Hours	Current 1143 1066 219 90	Year to Date 1844 1685 461 201	
2.	Building Service: a. BSSRAP TV Inspections b. Emergency BSSRAP Repairs c. Total BSSRAP Repairs d. I&I inspections e. I&I C.O. installation f. Replace broken cleanout caps g. OHSP TV Inspections h. Post Rodding TV	Current 23 15 17 00 00 00 01 07	Year to Date 61 36 46 00 00 01 04 14	
3.	Sewer backups: a. Public sewer b. Private sewer c. Surcharged main d. Pump station Total	Current 01 23 00 00 24 Current	Year to Date 4 61 0 0 65 Year to Date	
4.	Sewer Cleaning (DGSD personnel): a. Sewer Cleaning (outside contractors):	40,637	67,334 Ft. 0Ft.	
5.	Main Sewer Televising (DGSD personnel) a. Sewer Televising (outside contractors):		7,845 Ft. 0Ft.	
6.	LETS TV	0	1	
_				

156

156

8.	Sewer and manhole repairs and replacements by Uno Construction:
	None

- Miscellaneous: (sewer system personnel) 9.
 - a.
 - Upload Flow-Meters.
 Completed 6 month preventative maintenance cleaning. b.

CC: WDVB, AES, PWC, RTJ, KJR, MS, WCC, MCW

DOWNERS GROVE SANITARY DISTRICT MEMO

DATE: May 11, 2021

TO: Amy R. Underwood

General Manager

FROM: Keith Shaffner

Sewer Construction Supervisor

RE: Monthly Report: Sewer Construction \ Code Enforcement – April 2021

1.	Per	rmits issued:	Current	Year to Date		
	a. b. c. d. e.	Single family Multiple family Commercial Repair Disconnection Total	$ \begin{array}{c} 3 \\ 0 \\ 1 \\ 0 \\ \hline 3 \\ 7 \end{array} $	23 1 1 4 11 40		

2.	Insp	pections made:	Current	Year to Date	
	a.	Connections	7	22	
	b.	Finals	3	11	
	c.	Repairs	0	7	
	d. Disconnects		5	16	
	e.	Groundwork	2	3	
	f.	Walk-Thru	0	0	
	g.	Pre-connections	0	1	
	ĥ.	Overhead Sewer Program	1	2	
	i.	Code Enforcement	0	6	
j.		Lateral testing	<u>1</u>	<u>21</u>	
	Total		19	89	

- 3. New Sewer Extension Construction:
 - a. 6000 Woodward Single Family Home Extension
- 4. New Sewer Extension Testing air, deflection, manhole, and televising:
 - a. None
- 5. Code Enforcement:
 - a. None

- 6. Plan & Permit Reviews:
 - a. 4837 Middaugh Single Family Home Review
 - b. 240 S. Washington Single Family Home Review
 - c. 4026 Earlston Single Family Home Review
 - d. 5256 Benton Single Family Home Review
 - e. 4915 Drendel Single Family Home Review
 - f. 5707 Elinor Single Family Septic Conversion Home Review
 - g. 4524 Stonewall Single Family Home Review
- 7. Building Sanitary Service Access Agreements:
 - a. 4026 Earlston Downers Grove
 - b. 4837 Middaugh Downers Grove
 - c. 4501 Statton Downers Grove
- 8. Illinois EPA Permits:
 - a. 5117 Fairview Fairview Station Flats 54 P.E.
- 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. I have been working from home and coming into the Administration Center as necessary.

CC: WDVB, AES, PWC, KJR, RTJ, MJS, RPS, WCC & MGP

Permits Issued: APRIL 2021

YEAR	PERMIT #	ADDRESS	STREET	CITY	ISSUE	TYPE	TAP FEE	INSP FEE
2021	40	1111	OGDEN	DG	4/1/2021	СОМ	\$2,134.00	\$369.00
2021	34	4026	EARLSTON	DG	4/1/2021	DISCON		
2021	36	4026	EARLSTON	DG	4/12/2021	SF-RB		\$230.00
2021	42	4837	MIDDAUGH	DG	4/14/2021	SF-RB		\$230.00
2021	44	5717	HILLCREST	DG	4/22/2021	DISCON		
2021	3	4501	STATTON	DG	4/26/2021	SF-RB		\$230.00
2021	41	5300	BELMONT	DG	4/8/2021	DISCON		
					TOTAL		\$2,134.00	\$1,059.00

Permit Final Inspections: APRIL 2021

YEAR	PERMIT #	ADDRESS	STREET	CITY	FINAL
2020	40	819	FRANKLIN	DG	4/23/2021
2020	84	1105	OXFORD	DG	4/27/2021
2019	3	1316	TURVEY	DG	4/29/2021

Progress Report

To: Amy Underwood, General Manager From: Reese Berry, Laboratory Supervisor

Date: May 13, 2021

Re: April 2021 Laboratory Report

We had zero excess events in the month of April. We had no permit excursions in April.

Surcharge:

We are in the process of planning for the surcharge sampling year. We have the previous year sampling locations to sample, due to the Covid 19 staffing situation. The plan is to sample the locations from 2020 first and split up what would have been done this year between 2021 and 2022. If we can get them all done this year we will, but I think a more realistic goal, is spreading the workload over 2 sampling years.

Procurement:

During April we received the new low level TRC analyzer, but there were a couple components backordered. We received them and have the unit setup. We'll start testing the unit, verifying standards and analyzing split samples during May.

Personnel:

April was back to split staffing for the laboratory with 1 lab tech on standby at home. We will be transitioning back to a fully staffed laboratory in May.

Pretreatment:

We will be collecting Semi-Annual samples at Influent, Primary Clarifier Effluent, Effluent and Biosolids for many testing parameters per our current permit. We will also be using this data for a local limits evaluation during 2021/2022, depending on when our new permit is issued.

C: WDVB, AES, PWC, KJR, RTJ, MJS, WCC, MGP

To: Amy Underwood, General Manager

From: Alex Bielawa, Staff Engineer

Re: Engineering Report for the Month April, 2021

Date: May 13, 2021

I. Planning Projects & Studies

A. Flow Monitoring

Data collection for Cycle E is ongoing.

B. Composting Pilot

The pilot has ended. The equipment has been picked up and District Staff is currently reviewing the final report.

C. Sewer Televising

Bids were opened for the Televising Contract on May 11th. Staff will be seeking approval to award the contract to the lowest responsive, responsible bidder, Sewertech LLC of Schaumburg, IL, in the amount of \$83,864.60 at the May 18, 2021 Board of Trustees Meeting.

D. Administration Center Building Code/HVAC Review

A virtual kickoff meeting was held with Baxter & Woodman (B&W) and Ollman Ernest Martin Architects (OEMA) on May 3rd. An inspection of the Administration was completed on May 7th. B&W and OEMA are working on a report summarizing their findings and recommendations.

E. Unsewered Area Plan

I was tasked with updating the District's Unsewered Area this year. After updating the Plan, Baxter & Woodman did a quality control review. The Plan will be presented to the Board of Trustees at the May 18, 2021 Board of Trustees Meeting.

II. Design Projects

A. Centex Lift Station Replacement

Baxter & Woodman is currently designing the Lift Station. The project is scheduled to go out for bid this summer.

B. Outfall 001 Sanitary Sewer Repair

A section of the 001 Discharge Sanitary Sewer that carries our treated Effluent from the Treatment Center to the East Branch of the DuPage River is sagged. The project was bid but not awarded last year; Baxter & Woodman is currently working on editing the plans and specifications in anticipation of rebidding the project this year.

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

Bids were opened for the 1K-028 Flow Basin Rehabilitation – Phase 3 on May 11th. Staff will be seeking approval to award the contract to the lowest responsive, responsible bidder, Performance Construction & Engineering, of Plano, IL, in the amount of \$698,713.00 at the May 18, 2021 Board of Trustees Meeting.

C: BOT, BOLI, WCC, MGP

Downers Grove Sanitary District



Client Manager:

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

Project Status Report Issued On: 4/27/2021

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	4/21/2021
Sanitary Replacements - 1K-028 Flow Basin Rehab Phase 2 Job Number: [150980.42]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	6/30/2021	Prepare Final Design Attend Owner Review Progress Meeting Coordinate permitting with Village of Westmont Advertise project	Attend Bid Opening Review Bids Prepare Award Recommendation	None.	4/22/2021
Outfall Sewer Sag Repair Job Number: [180237.40]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	12/31/2019	Coordinate additional geotechnical borings. Revise project schedule. Attend progress meeting. Perform additional topographic survey. Revise Drawings and Specs.	Revise project manual. Revise drawings. Submit for revised DuPage County permit. Advertise project. Obtain refund for \$800 BNSF Permit Fee.	None.	4/22/2021
Centex Lift Station Design Job Number: [181059.40]	Shane Firsching 815-444-3395 sfirsching@baxterwoodman.com	5/31/2021	Prepare mechanical and structural design. Apply for IEPA Permit. Attend progress meeting. Perform internal QAQC review.	Prepare detailed design drawings. Prepare electrical design. Prepare integration design. Prepare project manual. Attend progress meeting. Apply for Village of Downers Grove permit. Advertise project.	None.	4/22/2021

Page: 1 of 2 (Run Date: 4/27/2021 7:37:48 AM) Job# Sort (v2)

Project Title/Job	Project Manager	Completion Date	Tasks Completed This Period	Tasks Pending This Period	Items Waiting On Client	Status Date
CHP No. 1 Design Build Job Number: [200328.50]	Eider Alvarez-Puras 815-444-3276 ealvarez- puras@baxterwoodman.com	4/6/2021	Held weekly commissioning meetings and weekly punchlist progress meetings. Completed punchlist items. Delivered Project O&M and AsBuilts to District. Approved Nissen O&M manual.	Deliver Nissen O&M manual to District. Hold final progress meeting.	None.	4/27/2021
Sludge Storage Building Job Number: [200381.40]	Chuck Brunner 815-444-3210 cbrunner@baxterwoodman.com	4/1/2021	None	None	Project construction postponed until 2021. Pending client review comments on preliminary design and determination of acceptable location for contractor material storage and staging area.	4/20/2021
2021 Miscellaneous Engineering Services Job Number: [210020.00]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	12/31/2021	Updated downtown capacity analysis for proposed redevelopment.	Assistance as requested.	None.	4/27/2021
Admin Building Code Review Job Number: [210078.30]	Derek Wold 815-444-3335 dwold@baxterwoodman.com	1/18/2022	Met with OEMA to discuss project scope and scheduling	Virtual kickoff on May 3. Site visit on May 7	None.	4/27/2021



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



STATUS OF 1K-028 INSPECTIONS AND AGREEMENT ACQUISITIONS

Category	Inspections Scheduled	Inspections Completed	Application Received	Agreements Signed	Cleanout Installed	Service Rehab Done	Totals	Total as Percentage
1A	Υ	Υ	N	Υ	Υ	N/A	19	8%
1B	Υ	Υ	N	N	N	N/A	1	0%
2A	Υ	Υ	Υ	Υ	Υ	N	81	36%
2B	Υ	Υ	Υ	Υ	Υ	N	17	7%
2D	Υ	Υ	Υ	N	N	N	3	1%
3A	Υ	Υ	Υ	Υ	N	N	4	2%
4	Υ	Υ	N	N	N	N	38	17%
4A	N	N	N	N	N/A	N	4	2%
5	Υ	N	N	N	N	N	0	0%
5A	Υ	Υ	N	N	N	N	12	5%
5AX	Υ	Υ	N	N	N	N	0	0%
5B	Υ	N	N	N	N	N	12	5%
5BX	Υ	N	N	N	N	N	1	0%
0	N	N	N	N	N	N	30	13%
X	-	-	-	-	-	-	5	2%
5X	-	-	-	-	-	-	1	0%
<u>C</u> .	ategory Descript	tion:					228	100%

Category Description:

1A - PVC service with cleanout(may need to be sealed at the main)

11% Complete

2016 Basin I&I Ranking = 27 2018 Basin I&I Ranking = 6 2019 Basin I&I Ranking = 20 2020 Basin I&I Ranking = 15

2015 Basin I&I Ranking = 1

Combined pit violations found and corrected to date - 0 Storm pit violations found and corrected to date - 2

¹B - All PVC no Cleanout

²A - Cleanout installed, ready for rehab

²B - Ready for rehab

²D - BSSRAP/OHSP TV done

³A - Released to contractor for cleanout installation

^{4 -} Inspection completed (Program application needed)

⁴A - Has an existing cleanout

^{5 -} Inspections scheduled

⁵A - Inspection done - BSSRAP needed (qualifying defects or obstructions seen during TV)

⁵AX - Violation, BSSRAP needed

⁵B - Unable to TV

⁵BX - Unable to TV Violation

^{0 -} Inspection Needed

X - Demolished

⁵X - Inspection done - Violation not corrected

DOWNERS GROVE SANITARY DISTRICT CASH BALANCES AND INVESTMENT SCHEDULE

DATE: 4/30/2021

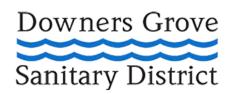
PREVIOUS MONTH **CASH BALANCES** TOTAL BALANCE **BALANCE PER** PER BANK MONTHLY **EARNINGS CREDIT** ACCOUNT NAME ACCOUNT NUMBER STATEMENTS **EARNINGS CREDIT PERCENTAGE** BANK STATEMENT DEPOSIT XXXXXXXXX1116 \$883,075.37 DISBURSEMENT XXXXXXXXXX1111 157,242.81 FLEXIBLE BENEFITS XXXXXXXXX6025 4,958.10 **PAYROLL** XXXXXXXXXX1117 146.679.27 PETTY CASH XXXXXXXXX1112 3,620.28 **USER REFUNDS** XXXXXXXXX1114 5,033.14 **TOTAL - CASH AT BANK** \$1,200,608,97 \$1,446,202,59 \$184.63 0.0128% **INVESTMENTS PUBLIC GENERAL** SEWER INTEREST ANNUAL **CORPORATE** IMPROVEMENT CONSTRUCTION **BENEFIT EXTENSION EARNED** TYPE FINANCIAL INSTITUTION TERM MATURITY AMOUNT FUND (71) INT. RATE FUND (01) FUND (02) FUND (03) FUND (05) AT MATURITY CD **ROYAL SAVINGS BANK** 13 MOS 7/2/2021 \$250,000.00 0.850% \$100,000.00 \$150,000.00 \$2,302.08 CD BMO HARRIS BANK 12 MOS 12/17/2021 \$250,000.00 0.300% \$250,000.00 \$750.00 CD FIRST MIDWEST BANK 13 MOS 4/7/2022 \$250,000.00 0.150% \$207,719.45 \$0.00 \$35,260.73 \$7,019.82 \$406.25 TOTAL CDs \$750,000,00 0.461% \$557,719,45 \$150,000,00 \$0.00 \$35,260,73 \$7.019.82 \$3,458,33 **CURRENT ESTIMATED** RATE OF ANNUAL TYPE FINANCIAL INSTITUTION TERM LAST ACTION DATE AMOUNT* RETURN **RETURN** MM **AXOS BANK ONGOING** 10/30/2020 \$249,378.83 0.300% \$249,378.83 \$748.14 MM BANKFINANCIAL **ONGOING** 3/13/2013 \$15,564.63 0.150% \$15,564.63 \$23.35 MM ONE WEST BANK **ONGOING** 11/9/2016 0.050% \$5,000.00 \$2.50 \$5,000.00 **EVERGREEN BANK GROUP ONGOING** 0.200% MM 2/23/2021 \$250,124.67 \$250,124.67 \$0.00 LIMESTONE BANK **ONGOING** 1/25/2021 0.300% \$250,214.58 MM \$250,214.58 \$750.64 **ONGOING** MM LISLE SAVINGS BANK 11/10/2020 \$250,009.92 0.350% \$250,009.92 \$875.03 LUANA SAVINGS BANK **ONGOING** \$250,506.98 0.600% \$1,503.04 MM 10/29/2020 \$250,506.98 MM ROYAL SAVINGS BANK **ONGOING** 12/4/2012 \$154.48 0.000% \$154.48 \$0.00 STEARNS BANK **ONGOING** 9/1/2015 MM \$250,000.00 0.500% \$250,000.00 \$1,250.00 **ONGOING** MM TRISTATE CAPITAL BANK 4/16/2021 \$250,011.91 0.200% \$250,011.91 \$500.02 MM WEST SUBURBAN BANK **ONGOING** 11/20/2012 \$5,144.09 0.000% \$5,144.09 \$0.00 TOTAL MM ACCOUNTS \$0.00 \$0.00 \$1,776,110.09 0.318% \$1.520.954.09 \$255,156.00 \$0.00 \$5,652.73 ILLINOIS FUNDS - MONEY MARKET 0.040% \$1,430,309,44 \$2.850.066.26 \$607,519.53 \$812,237.29 \$0.00 \$0.00 \$1,140.03 **TOTAL - ALL INVESTMENTS** \$5,376,176.35 0.191% \$3,508,982.98 \$1,012,675.53 \$812,237.29 \$35,260.73 \$7,019.82 \$10,251.09

TOTAL CASH AND INVESTMENTS

\$6,576,785.32

*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
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood

Legal CounselMichael G. Philipp

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

Memo

To: Board of Trustees

From: Amy R. Underwood, General Manager

Date: May 14, 2021

Subject: Treasurer's Report for April 2021

Attached please find the subject report that tracks income and expenses for Fiscal Year 20-21. Please note that accrued Fiscal Year 20-21 expenses are included in the attached report. The accrued expenses are included under G/L number 01-00.2005 in Claim Ordinance 1901, which will be presented for approval at the May 18 Board meeting. The accrual practice follows generally accepted accounting principles.

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

Year-to-date	Income	Expense
General Fund	\$ 9,461,410.49 (page 1)	\$ 9,482,917.97 (page 6)
Improvement Fund	\$ 114,485.21 (page 7)	\$ 133,437.29 (page 7)
Construction Fund	\$ 260,941.72 (page 8)	\$ 28,807.28 (page 9)
Public Benefit Fund	\$ 479.66 (page 10)	\$ 0.00 (page 10)
TOTAL	\$ 9,837,317.08	\$ 9,645,162.54

C: BOLI, WCC, MGP

Downers Grove Sanitary District Date: 05/13/2021

Treasurer's Report Recap for Month Ending 04/30/21

Page: 1

Fund	nun	nbe	er & Description	Ending					
				Fund Balance					
Fund	01	:	GENERAL FUND	\$4,216,400.59					
Fund	02	:	IMPROVEMENT FUND	\$1,120,243.92					
Fund	03	:	CONSTRUCTION FUND	\$1,265,044.20					
Fund	05	:	PUBLIC BENEFIT FUND	\$37,804.64					
Recap	To	ota	\$6,639,493.35						

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 1 FUND 01 GENERAL FUND

COST CURRENT CURRENT ACTUAL BUDGET BUDGET VAR	TOTAL
NUMBER DESCRIPTION MONTH MONTH Y-T-D Y-T-D VARIANCE %	BUDGET
DEPT 05 REVENUES	=======
3000 PROPERTY TAXES .17- 0 1,255,377.73- 1,254,500- 877.731 1	1,254,500-
3001 USER RECEIPTS 241,701.89- 250,198- 3,317,633.48- 3,451,000- 133,366.52 3.9- 3	3,451,000-
3002 SURCHARGES 18,307.67- 31,250- 310,536.78- 375,000- 64,463.22 17.2-	375,000-
3004 PLAN REVIEW FEES .00 0 229.95- 2,000- 1,770.05 88.5-	2,000-
3005 CONSTRUCTION INSPECTION FEES .00 0 .00 500- 500.00 100.0-	500-
3006 PERMIT INSPECTION FEES 1,881.00- 1,837- 16,952.00- 22,000- 5,048.00 23.0-	22,000-
3007 INTEREST ON INVESTMENTS 1,416.93- 3,163- 21,539.45- 38,000- 16,460.55 43.3-	38,000-
3013 SAMPLING AND MONITORING 7,187.83- 6,042- 104,388.35- 72,500- 31,888.35- 44.0	72,500-
3014 REPLACEMENT TAXES 24,337.68- 15,800- 92,479.99- 75,000- 17,479.99- 23.3	75,000-
3015 MISCELLANEOUS INCOME .00 837- 31,930.26- 10,000- 21,930.26- 219.3	10,000-
3021 TELEVISION INSPECTION .00 0 .00 150- 150.00 100.0-	150-
3023 PROPERTY LEASE PAYMENTS 2,901.80- 2,906- 34,706.50- 34,850- 143.50 .4-	34,850-
3024 MONTHLY SERVICE FEES 324,039.06- 342,026- 4,126,210.30- 4,120,800- 5,410.301	1,120,800-
3027 GREASE WASTE 21,061.15- 16,663- 149,425.70- 200,000- 50,574.30 25.3-	200,000-
3040 RENEWABLE ENERGY CREDITS .00 75000 3,000- 3,000.00 100.0-	3,000-
	659,300-
FUND REVENUE TOTAL 642,835.18- 671,472- 9,461,410.49- 9,659,300- 197,889.51 2.1- 9	659,300-
SECT A SALARIES AND WAGES A001 TRUSTEES .00 0 18,000.00 18,000 .00 .00	18,000
A002 BOLI .00 0 .00 900 900.00- 100.0-	900
A003 GENERAL MANAGEMENT 19,649.99 9,768 242,886.58 244,200 1,313.425-	244,200
A004 FINANCIAL RECORDS 14,809.91 7,776 198,065.71 194,400 3,665.71 1.9	194,400
A005 ADMINISTRATIVE RECORDS 2,228.12 1,012 25,334.50 25,300 34.50 .1	25,300
A006 ENGINEERING .00 494 4,502.92 12,350 7,847.08- 63.5-	12,350
A007 CODE ENFORCEMENT 25,971.23 14,896 366,511.58 372,400 5,888.42- 1.6-	372,400
A008 SAFETY ACTIVITIES 2,327.16 890 27,657.55 22,250 5,407.55 24.3	22,250
A030 BUILDING AND GROUNDS 134.14 60 1,006.46 1,500 493.54- 32.9-	1,500
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE 350.00 0 4,475.00 0 4,475.00 .0	0
SECT A TOTALS 65,470.55 34,896 888,440.30 891,300 2,859.703-	891,300
SECT B OPERATIONS AND MAINTENANCE	
B100 ELECTRICITY 594.33 250 3,736.98 4,000 263.02- 6.6-	4,000
B101 NATURAL GAS 177.28 200 911.94 3,000 2,088.06- 69.6-	3,000
B102 WATER, GARBAGE AND OTHER UTILITIES .00 0 767.38 1,200 432.62- 36.1-	1,200
B110 BANK CHARGES 1,636.31 1,500 20,299.40 18,000 2,299.40 12.8	18,000
B112 COMMUNICATION 2,325.94 1,612 22,190.44 19,300 2,890.44 15.0	19,300
B113 EMERGENCY/SAFETY EQUIPMENT 6,744.39 3,500 29,399.17 42,000 12,600.83- 30.0-	42,000
B115 EQUIPMENT/EQUIPMENT REPAIR 10,809.41 6,000 88,604.36 93,000 4,395.64- 4.7-	93,000
N11 CURPLY TRO	
B116 SUPPLIES 465.54 625 3,020.05 7,500 4,479.95- 59.7-	7,500
B116 SUPPLIES 465.54 625 3,020.05 7,500 4,479.95- 59.7- B117 EMPLOYEE/DUTY COSTS 468.22 1,663 4,987.92 20,000 15,012.08- 75.1-	7,500 20,000

MONTH ENDED 04/30/21

DATE 05/13/21
FUND 01 GENERAL FUND

ACTUAL BUDGET ACTUAL-COST CURRENT CURRENT ACTUAL BUDGET BUDGET VAR TOTAL NUMBER DESCRIPTION MONTH MONTH Y-T-DY-T-DVARIANCE 8 BUDGET ______ B119 POSTAGE 1,006.12 788 3,286.11 9,500 6,213.89-65.4-9,500 B120 PRINTING/PHOTOGRAPHY 12,000 12,000 .00 300 7,124.86 4,875.14-40.6-B121 USER BILLING MATERIALS 8,503.24 6,337 67,672.36 76,000 8,327.64- 11.0- 76,000 8,500 52,386.86 102,000 B124 CONTRACT SERVICES 9,560.87 49,613.14- 48.6- 102,000 425.00 210 7,497.00 11,100 3,603.00- 32.5- 11,100 B137 MEMBERSHIPS/SUBSCRIPTIONS ______ SECT B TOTALS 338.831.51 452.600 49.145.64 32.485 113.768.49- 25.1- 452.600 _______ SECT C VEHICLES C222 GAS/FUEL .00 175 299.34 2,000 1,700.66- 85.0-0 C225 OPERATION/REPAIR 6.75 380.41 2.219.59- 85.4-2.600 2.600 ______ SECT C TOTALS 6.75 175 679.75 4,600 3,920.25- 85.2-4,600 ______ ______ DEPT 11 TOTALS 114,622.94 67,556 1,227,951.56 1,348,500 120,548.44- 8.9-1,348,500 ______ DEPT 12 O & M EXPENSES - WWTC SECT A SALARIES AND WAGES A006 ENGINEERING 4.172.78 1,460 47,439.88 36,500 10,939.88 30.0 36,500 A009 OPERATIONS MANAGEMENT 8,340.20 4,164 100,206.14 104,100 3,893.86-3.7- 104.100 .00 530,050 A010 MAINTENANCE - BUDGET 3,560.72-.7- 530,050 .00 21,202 A011 MAINTENANCE - WWTC 32,733.34 0 351,324.04 0 .00 .0 0 A012 MAINTENANCE - VEHICLES .00 0 1,446.37 0 .00 . 0 0 5,784.50 .00 .0 A013 MAINTENANCE - ENERGY RECOVERY 0 0 49.68 0 A014 MAINTENANCE - ELECTRICAL 8,636.01 0 167,934.37 0 .00 .0 0 A020 WWTC - BUDGET .00 23,056 .00 576,400 21,545.42 3.7 576,400 0 392,345.96 0 .00 A021 WWTC - OPERATIONS 36.324.75 . 0 0 A022 WWTC - SLUDGE HANDLING 9,373.10 0 198,204.87 0 .00 .0 0 A023 WWTC - ENERGY RECOVERY 463.65 0 7,394.59 0 .00 .0 0 137,350 33,006.48-A030 BUILDING AND GROUNDS 6.856.96 5,494 104.343.52 24.0- 137.350 A085 INCENTIVE 200.00 0 200.00 0 200.00 .0 0 25.00 A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE Ο 287.50 0 287.50 . 0 Ω ______ SECT A TOTALS 107,175.47 55,376 1,376,911.74 1,384,400 7,488.26-.5- 1,384,400 ______ SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY 26,008.11 9,000 125,288.27 109,000 16,288.27 14.9 109,000 992.29 800 4,991.16 10,000 5,008.84- 50.1- 10,000 B101 NATURAL GAS 33.9- 36,000 23.815.59 36.000 12,184.41-900 B102 WATER, GARBAGE AND OTHER UTILITIES 1.302.64 B103 ODOR CONTROL .00 300 1,806.00 4,000 2,194.00-54.9-4,000 B104 FUEL - GENERATORS 2,950.00 0 3,423.12 14,000 10,576.88-75.6-14,000 20,000 18,515.22 20,000 7.4-B112 COMMUNICATION 1,912,68 1,663 1,484.78-B113 EMERGENCY/SAFETY EQUIPMENT 788 10,391.39 9,500 2,011.49 891.39 9.4 9,500 B116 SUPPLIES 3,467.35 2,688 26,144.35 32,300 6,155.65-19.1-32,300 1,000 11,348.43 26,000 14.651.57-26,000 B117 EMPLOYEE/DUTY COSTS 56.4-676.18 209,800 B124 CONTRACT SERVICES 0 209,816.00 16.00 209,800 .00 .0 B130 NPDES PERMIT FEES 0 53,000.00 53,000 .0 .00 .00 53,000 B131 SLUDGE HAULING/DISPOSAL SERVICES 40,997.25 0 119,668.50 80,000 39,668.50 49.6 80,000

PAGE 2

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 3 FUND 01 GENERAL FUND

	ACTUAL	BUDGET			ACTUAL-		
COST	CURRENT	CURRENT	ACTUAL	BUDGET	BUDGET	VAR	TOTAL
NUMBER DESCRIPTION	MONTH	MONTH	Y-T-D	Y-T-D	VARIANCE	%	BUDGET
=======================================							
B400 CHEMICALS - BUDGET	.00	10,056	.00	120,650	11,307.65-	9.4-	120,650
B401 CHEMICALS - DISINFECTION	2,749.12	0	42,715.79	0	.00	.0	0
B402 CHEMICALS - SLUDGE DEWATERING	6,805.08	0	43,153.98	0	.00	.0	0
B404 CHEMICALS - OTHER	.00	0	23,472.58	0	.00	.0	0
B501 EQPT/EQPT REPAIR - BIOSOLIDS AGING & DISPOS	9,651.08	2,076	151,228.67	216,126	64,897.33-	30.0-	216,126
B502 EOPT/EOPT REPAIR - DISINFECTION	5,259.33	1,288	31,226.24	23,511	7,715.24	32.8	23,511
B503 EQPT/EQPT REPAIR - EXCESS FLOW	2,048.87	710	58,407.96	23,487	34,920.96	148.7	23,487
B504 EQPT/EQPT REPAIR - GRIT REMOVAL	.00	885	7,469.83	38,859	31,389.17-	80.8-	38,859
B505 EQPT/EQPT REPAIR - INFLUENT PUMPING	.00	3,098	766.15	43,132	42,365.85-	98.2-	43,132
B506 EQPT/EQPT REPAIR - PRIMARY TREATMENT	304.25	2,210	17,504.97	51,020	33,515.03-	65.7-	51,020
B507 EQPT/EQPT REPAIR - SECONDARY TREATMENT	25,491.44	3,311	123,762.19	141,276	17,513.81-	12.4-	141,276
B508 EQPT/EQPT REPAIR - SECONDARY TREATMENT B508 EQPT/EQPT REPAIR - SLUDGE CONCENTRATION	12,481.87	0	470,938.53	504,244	33,305.47-	6.6-	504,244
B509 EQPT/EQPT REPAIR - SLUDGE CONCENTRATION B509 EQPT/EQPT REPAIR - SLUDGE DEWATERING	5,471.60	101,410	26,455.04	687,168	660,712.96-	96.2-	687,168
B510 EQPT/EQPT REPAIR - SLUDGE DIGESTION	1,920.46	3,622	60,523.20	99,997	39,473.80-	39.5-	99,997
B511 EQPT/EQPT REPAIR - TERTIARY TREATMENT	.00	1,328	2,811.95	28,414	25,602.05-	90.1-	28,414
17 17	2,943.80	1,034	26,089.41	35,010	8,920.59-	25.5-	35,010
B512 EQPT/EQPT REPAIR - WWTC GENERAL B513 EQPT/EQPT REPAIR - WWTC UTILITIES	25,693.34	•	1,201,322.99	795,606	405,716.99	51.0	795,606
· · · · · · · · · · · · · · · · · · ·	.00	288	.00		•	100.0-	•
B801 BLDG AND GROUNDS - BIOSOLIDS AGING & DISPOS B802 BLDG AND GROUNDS - DISINFECTION			27,241.80	3,500	3,500.00- 2,569.20-	8.6-	3,500
	.00	161	•	29,811	5,377.88		29,811
B803 BLDG AND GROUNDS - EXCESS FLOW	.00		8,937.88	3,560	•	151.1	3,560
B804 BLDG AND GROUNDS - GRIT REMOVAL	.00	93	97.68	1,061	963.32-	90.8-	1,061
B805 BLDG AND GROUNDS - INFLUENT PUMPING	287.97	659	1,579.97	7,963	6,383.03-	80.2-	7,963
B806 BLDG AND GROUNDS - PRIMARY TREATMENT	.00	443	.00	5,305	5,305.00-	100.0-	5,305
B807 BLDG AND GROUNDS - SECONDARY TREATMENT	.00	93	.00	1,061	1,061.00-	100.0-	1,061
B809 BLDG AND GROUNDS - SLUDGE DEWATERING	.00	696	14.71	15,561	15,546.29-	99.9-	15,561
B810 BLDG AND GROUNDS - SLUDGE DIGESTION	20.50	303	2,774.73	23,713	20,938.27-	88.3-	23,713
B811 BLDG AND GROUNDS - TERTIARY TREATMENT	3,044.95	568	16,850.39	6,805	10,045.39	147.6	6,805
B812 BLDG AND GROUNDS - WWTC GENERAL	16,078.33	2,459	185,193.89	202,019	16,825.11-	8.3-	202,019
B813 BLDG AND GROUNDS - WWTC UTILITIES	.00	128	206.19	1,591	1,384.81-	87.0-	1,591
SECT B TOTALS	200,569.98	164,414	3,138,954.75	3,714,050	575,095.25-	15.5- 3	,714,050
	========	=======	=========	:=======	=========	=======	:=======
SECT C VEHICLES	0.0	0 412	10 505 00	00.000	10 000 01	60.0	00.000
C222 GAS/FUEL	.00	2,413	10,797.99	29,000	18,202.01-	62.8-	29,000
C225 OPERATION/REPAIR	1,748.38	663	5,132.48	8,000			
C226 VEHICLE PURCHASES	.00	0	.00	10,000	10,000.00-		•
SECT C TOTALS	1,748.38	3,076	15,930.47	47,000	31,069.53- =========	66.1-	47,000
DEPT 12 TOTALS	309,493.83	222,866	4,531,796.96	5,145,450		11.9- 5	,145,450
DEPT 13 O & M EXPENSES - LABORATORY	========	=======		========	========	======	=======
SECT A SALARIES AND WAGES							
A009 OPERATIONS MANAGEMENT	6,449.84	3,290	78,303.81	82,250	3,946.19-	4.8-	82,250
A040 LABORATORY - BUDGET	.00	6,678	.00	166,950	2,847.89-		166,950
A041 LAB - WWTC	11,642.65	0	145,775.63	0	.00	.0	0
A042 LAB - PRETREATMENT	1,550.32	0	14,238.25	0	.00	.0	0
A043 LAB - SURCHARGE PROGRAM	.00	0	34.38	0	.00	.0	0

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 4

FUND 01 GENERAL FUND ACTUAL BUDGET ACTUALCURRENT CURRENT ACTUAL BUDGET BUDGET VAR TOTAL
MONTH MONTH Y-T-D Y-T-D VARIANCE % BUDGET COST NUMBER DESCRIPTION % BUDGET ______ .00 .0 0 .00 0 902.48 0 A047 LAB - MICRO

AU1/ HAD - MICKO	.00	U	902.40	U	.00	. 0	U
A048 LAB - ENERGY RECOVERY	292.07	0	3,151.37	0	.00	.0	0
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	.00	0	25.00	0	25.00	.0	0
SECT A TOTALS	19,934.88	9,968	242,430.92	249,200	6,769.08-	2.7-	249,200
= SECT B OPERATIONS AND MAINTENANCE	=========	=======	:========	:=======	=========	======	=======
B114 CHEMICALS	1,376.00	1,483	12,739.53	17,800	5,060.47-	28.4-	17,800
B115 EQUIPMENT/EQUIPMENT REPAIR	4,684.67	1,337	12,479.62	16,000	3,520.38-	22.0-	16,000
B116 SUPPLIES	757.14	1,762	13,185.59	21,100	7,914.41-	37.5-	21,100
B117 EMPLOYEE/DUTY COSTS	261.64	463	2,223.68	5,600	3,376.32-	60.3-	5,600
B122 MONITORING EQUIPMENT	.00	0	2,418.95	9,000	6,581.05-	73.1-	9,000
B123 OUTSIDE LAB SERVICES	354.43	•		19,700	379.32-		19,700
SECT B TOTALS	7,433.88	6,683	62,368.05	89,200	26,831.95-	30.1-	89,200
= SECT C VEHICLES	:=======:	=======	=========		========	======	:=======
C222 GAS/FUEL	.00	44	251.45	550	298.55-	54.3-	550
C225 OPERATION/REPAIR	1.65	50	188.99	200	11.01-	5.5-	200
	=========	=======			========	=======	:=======
SECT C TOTALS	1.65	94	440.44	750	309.56-	41.3-	750
=		=======	:=======		========	======	:=======
DEPT 13 TOTALS	27,370.41	16,745	305,239.41	339,150	33,910.59-	10.0-	339,150
SECT A SALARIES AND WAGES	015 55	61.4	E 641 0E	15 250	E E00 E0	F0 0	15 250
A006 ENGINEERING	217.57	614	7,641.27		7,708.73-		15,350
A050 SEWER MAINTENANCE - BUDGET	.00	8,140	.00	203,500	30,017.75	14.8	203,500
A051 SEWER MAINTENANCE	17,457.93	0	219,471.47	0	.00	.0	0
A054 SEWER MAINTENANCE - BACKUPS AND HIGH FLOWS	775.47	0	14,046.28	0	.00	.0	0
A060 INSPECTION - BUDGET	.00	9,783	.00	244,600	75,848.20-	31.0-	244,600
A061 INSPECTION - NEW CONSTRUCTION	.00	0	1,130.86	0	.00	.0	0
A062 INSPECTION - CONSTRUCTION OF DGSD PROJECTS A063 INSPECTION - PERMIT INSPECTIONS	4,758.97 1,391.16	0	40,470.42 9,993.14	0	.00	.0	0
A064 INSPECTION - MISCELLANEOUS	3,514.20	0	33,169.29	0	.00	.0	0
A065 INSPECTION - MISCELLIANEOUS A065 INSPECTION - CONSTR BY VILLAGES, UTILITIES	2,777.40	0	50,496.10	0	.00	.0	0
A066 INSPECTION - CODE ENFORCEMENT	4,008.03	0	33,491.99	0	.00	.0	0
A070 SEWER INVESTIGATIONS - BUDGET	.00	410	.00	10,250	8,937.53-	87.2-	10,250
A072 SEWER INVESTIGATIONS A072 SEWER INVESTIGATIONS	256.14	0	1,312.47	0	.00	.0	0
A085 INCENTIVE	200.00	0	200.00	0	200.00	.0	0
A090 WORK FROM HOME REIMBURSEMENT ALLOWANCE	50.00	0	800.00	0	800.00	.0	0
SECT A TOTALS	35,406.87	18,947	412,223.29	473,700	61,476.71-	13.0-	473,700
= SECT B OPERATIONS AND MAINTENANCE		=======			========	======	:======
B112 COMMUNICATION	1,085.22	962	8,099.63	11,500	3,400.37-	29.6-	11,500
B113 EMERGENCY/SAFETY EQUIPMENT	110.32	357	3,580.25	4,350	769.75-	17.7-	4,350
B115 EQUIPMENT/EQUIPMENT REPAIR	4,802.96	4,956	21,820.66	59,450	37,629.34-	63.3-	59,450
DIIO DQUIIMBNI/ DQUIFMBNI KBEAIK	4,002.00	4,230	21,020.00	32,430	37,027.34-	03.3-	32,430

DATE 05/13/21
FUND 01 GENERAL FUND

ACTUAL BUDGET ACTUAL-COST CURRENT CURRENT ACTUAL BUDGET BUDGET VAR TOTAL Y-T-DNUMBER DESCRIPTION MONTH MONTH Y-T-DVARIANCE 8 BUDGET ______ B116 SUPPLIES 675.53 337 4,785.99 4,000 785.99 19.7 B117 EMPLOYEE/DUTY COSTS 355.93 1,125 6,062.85 13,500 7,437.15-55.1-13,500 8,750 B124 CONTRACT SERVICES .00 80,807.50 105,000 24,192.50-23.0- 105,000 16,223.86 16,750 B127 JULIE SYSTEM 3,926.58 1,394 526.14-3.1- 16,750 15,667.00-36.4- 43,000 B128 OVERHEAD SEWER/BACKFLOW PREVENTION PROGRAM .00 1,250 27,333.00 43,000 1,000 12,000 70.3- 12,000 B129 REIMBURSEMENT PROGRAM/PUBLIC SEWER BLOCKAGE .00 3,559.30 8,440.70-190.828.71-B900 SEWER SYSTEM REPAIRS - BUDGET .00 83,600 .00 1,603,600 11.9- 1.603.600 B901 SEWER SYSTEM REPAIRS - I/I PROGRAM 13,291,68 0 305.825.12 0 .00 . 0 0 .0 Ω B902 SEWER SYSTEM REPAIRS - REPLACEMENT 13.076.37 Λ 174,440.58 .00 Λ 0 B903 SEWER SYSTEM REPAIRS - REHABILITATION .00 0 123,486.89 .00 .0 0 B910 SEWER SYSTEM REPAIRS - BSSRAP PROGRAM 65,109,62 619.415.21 0 .00 . 0 0 0 B912 SEWER SYSTEM REPAIRS - BSSRAP - NONTARGET I .00 0 1,227.15 0 .00 .0 0 B913 SEWER SYSTEM REPAIRS - BSSRAP-REPAIR/REPL/R 1,074.00 0 6,785.16 0 .00 . 0 0 B929 ARRA LOAN PRINCIPAL REPAYMENT 90,795.59 0 181,591.18 0 .00 . 0 Ω ______ SECT B TOTALS 194,303.80 103,731 1,585,044.33 1,873,150 288,105.67- 15.4- 1,873,150 ______ SECT C VEHICLES C222 GAS/FUEL .00 2.163 8.436.28 26,000 17,563.72-67.6-26.000 562 6,700 C225 OPERATION/REPAIR 241.48 6.993.78 293.78 4.4 6.700 C226 VEHICLE PURCHASES 23,740.27-Ο 26,460.73 44,500 18,039.27-40.5-44.500 ______ SECT C TOTALS 23,498.79-41.890.79 77.200 35.309.21- 45.7-77,200 2.725 ______ DEPT 14 TOTALS 206,211.88 125,403 2,039,158.41 2,424,050 384,891.59- 15.9- 2,424,050 ______ DEPT 15 O & M EXPENSES - LIFT STATIONS SECT A SALARIES AND WAGES A006 ENGINEERING 69.48 156 725.81 3,900 3.174.19-81.4-3.900 A009 OPERATIONS MANAGEMENT 35.10 396 106.01 9.900 9.793.99-98.9-9.900 A030 BUILDING AND GROUNDS .00 368 285.57 9,200 8,914.43- 96.9-9,200 A080 LIFT STATION MAINTENANCE 675.60 3,095 11,861.41 77,400 65,538.59- 84.7-77.400 ______ SECT A TOTALS 780.18 4,015 12,978.80 100,400 87,421.20- 87.1- 100,400 ______ SECT B OPERATIONS AND MAINTENANCE B100 ELECTRICITY 15,985.98 10,625 101,718.59 127,500 25,781.41-20.2- 127,500 B104 FUEL - GENERATORS 2,902.67 0 3,734.10 4,500 765.90-17.0-4,500 432.77 4.389.78 6,000 26.8-6.000 B112 COMMUNICATION 500 1.610.22-B113 EMERGENCY/SAFETY EQUIPMENT .00 0 59.00 1,000 941.00-94.1-1,000 B116 SUPPLIES .00 100 182.56 400 217.44-54.4-400 2.742.93 2.294 448.93 2.294 B520 EOPT/EOPT REPAIR - BUTTERFIELD 870.28 119 19.6 B521 EQPT/EQPT REPAIR - CENTEX 1,171.16 5,033 .00 3,861.84-76.7-5,033 B522 EQPT/EQPT REPAIR - COLLEGE 7,663.50 925 13,255.76 12,697 558.76 12,697 4.4 1,670.51 512.49-B523 EOPT/EOPT REPAIR - EARLSTON 2,183 23.5-.00 108 2,183 B524 EQPT/EQPT REPAIR - HOBSON 6,940.82 23,758.23 19,947 3,811.23 19.1 19,947 0 B525 EQPT/EQPT REPAIR - LIBERTY PARK 2,656.16 3,748 1,091.84-.00 118 29.1-3,748 51.8-B526 EOPT/EOPT REPAIR - NORTHWEST 1,049.83 399 3,219.99 6,674 3,454.01-6,674

PAGE 5

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 6 FUND 01 GENERAL FUND

NUMBER	COST DESCRIPTION	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	ACTUAL- BUDGET VARIANCE	VAR %	TOTAL BUDGET
	:===========:)PT/EOPT	.00	124	5,927.61	 5,404	523.61	9.7	5,404
_	PT/EQPT REPAIR - WROBLE	164.00	152	3,471.16	10,472	7,000.84-	66.9-	10,472
	PT/EQPT REPAIR - LIFT STATIONS G		2,238	14,542.19	36,848	22,305.81-	60.5-	36,848
	.DG AND GROUNDS - BUTTERFIELD	.00	0	1,109.15	0	1,109.15	.0	0
B821 BL	DG AND GROUNDS - CENTEX	.00	0	1,125.15	0	1,125.15	.0	0
B823 BL	DG AND GROUNDS - EARLSTON	.00	0	1,099.15	0	1,099.15	.0	0
B824 BL	DG AND GROUNDS - HOBSON	.00	0	2,213.35	0	2,213.35	.0	0
B825 BL	DG AND GROUNDS - LIBERTY PARK	.00	0	1,139.15	0	1,139.15	.0	0
B826 BL	DG AND GROUNDS - NORTHWEST	.00	0	1,358.97	25,000	23,641.03-	94.6-	25,000
B827 BL	DG AND GROUNDS - VENARD	.00	0	1,125.15	0	1,125.15	.0	0
B828 BL	DG AND GROUNDS - WROBLE	.00	0	5,952.15	5,000	952.15	19.0	5,000
B829 BL	DG AND GROUNDS - LIFT STATIONS G		2,138	.00	27,700	27,700.00-	100.0-	27,700
SE	CCT B TOTALS	39,085.42	17,874	197,621.95	302,400	104,778.05-	34.7-	302,400
DE	PT 15 TOTALS	39,865.60	21,889	210,600.75	402,800	192,199.25-	47.7-	402,800
DEPT	17 O & M EXPENSES - INSURANCE							
SECT	E INSURANCE AND EMPLOYEE BENI	EFITS						
	ABILITY/PROPERTY	7,376.50-	. 0	199,837.30	208,000	8,162.70-	3.9-	208,000
	IPLOYEE GROUP HEALTH	38,370.74	42,837	451,363.22	514,000	62,636.78-		514,000
E460 IM	IRF	23,050.47	17,410	296,424.77	318,000	21,575.23-	6.8-	318,000
E461 SC	CIAL SECURITY	17,219.00	13,990	220,545.59	232,000	11,454.41-	4.9-	232,000
SE	CT E TOTALS	71,263.71	74,237	1,168,170.88	1,272,000	103,829.12-	8.2- 1	,272,000
						:======================================		
DE	PT 17 TOTALS	71,263.71		1,168,170.88		103,829.12-		,272,000
DEPT	91 SA EXPENSE							
DE	PT 91 TOTALS	.00	0	.00	0	.00	()
FU	IND EXPENSE TOTAL	768,828.37	528,696	9,482,917.97	10,931,950	1,449,032.03-	13.3-10	,931,950
FU	IND 01 TOTALS	125,993.19	142,776-	21,507.48	1,272,650	1,251,142.52-	98.3- 1	,272,650
		==========					=======	

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 7

FUND 02 IMPROVEMENT FUND

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 3010 TRUNK SEWER SERVICE CHARGES	578.79- 16,929.00-	7,500-	7,373.00- 107,112.21-	90,000-	90,000-	
DEPT 05 TOTALS	17,507.79-		114,485.21-	106,900-	106,900-	
= DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENTS		========	========	=======	=======	
0500 PROJECT BUDGET	.00	46,600	.00	93,200	93,200	
0515 PAYMENT ON LOAN PRINCIPAL	46,595.52	0	93,191.04	0	0	
DEPT 30 TOTALS	46,595.52	46,600	93,191.04	93,200	93,200	
= DEPT 36 CAPITAL EXP - LIBERTY PARK LIFT STAT			=======	=======		
DEPT 36 TOTALS	.00	0	.00	0	0	
DEPT 47 CAPITAL EXP - CENTEX LIFT STATION UP	GRADE					
0502 DESIGN ENGINEERING/ARCHITECTURAL	25,951.25	8,335	39,346.25	50,000	50,000	
DEPT 47 TOTALS	25,951.25	8,335	39,346.25	50,000	50,000	
= DEPT 74 CAPITAL EXP - SEWER - UNSEWERED AREA	======= S	:=======:	========	=======	:=======	
0500 PROJECT BUDGET	900.00	0	900.00	7,500	7,500	
DEPT 74 TOTALS	900.00	0	900.00	7,500	7,500	
FUND EXPENSE TOTAL	73,446.77	54,935	133,437.29	150,700	150,700	
FUND 02 TOTALS	55,938.98	46,023	18,952.08	43,800	43,800	

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 8

DEPT 39 CAPITAL EXP - WWTC - GRIT BLOWER REPLACEMENT

FUND 03 CONSTRUCTION FUND

ACTUAL BUDGET COST CURRENT CURRENT ACTUAL BUDGET TOTAL NUMBER DESCRIPTION MONTH MONTH Y-T-DY-T-D BUDGET REVENUES 27.45- 1,369- 1,564.33- 16,450- 16,450-3007 INTEREST ON INVESTMENTS 3009 SEWER PERMIT FEES 47,884.00- 20,837- 259,377.39- 250,000- 250,000-______ 47,911.45- 22,206- 260,941.72- 266,450- 266,450-DEPT 05 TOTALS ______ DEPT 30 CAPITAL EXP - ARRA - LOAN REPAYMENTS .00 14,450 .00 28,900 28,900 0500 PROJECT BUDGET 0 28,807.28 0 0515 PAYMENT ON LOAN PRINCIPAL 14,403.64 ______ DEPT 30 TOTALS 14,450 14,403.64 28,807.28 28,900 28,900 ______ DEPT 31 CAPITAL EXP - WWTC - CHP BIOGAS ______ 0 .00 0 DEPT 31 TOTALS ______ 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 ______ 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 Ω ______ DEPT 37 CAPITAL EXP - WWTC - GREASE RECEIVING STATN NO2 ______ 0 .00 0 DEPT 37 TOTALS ______ DEPT 38 CAPITAL EXP - WWTC - PROPERTY ACQUISITION ______ DEPT 38 TOTALS .00 0 ______

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 9

FUND 03 CONSTRUCTION FUND

FUND 03 TOTALS

			ACTUAL	BUDGET				
		COST	CURRENT	CURRENT	ACTUAL	BUDGET	TOTAL	
NUMBER	DESCRIPTION		MONTH	MONTH	Y-T-D	Y-T-D	BUDGET	
========			========	:=======	:=======			=======================================
		=:		========				
DEPT 3	9 TOTALS		.00	0	.00	0	0	
		=:	========	========	========			
DEPT 40	CAPITAL EXP	- WWTC - LOAN REPAYMENT						
		=:		========	=========			
DEPT 4	10 TOTALS		.00	0	.00	0	0	
		=:		========	=========			
FUND E	EXPENSE TOTAL		14,403.64	14,450	28,807.28	28,900	28,900	
		=:	========	========				

33,507.81- 7,756- 232,134.44- 237,550- 237,550-

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 10

FUND 05 PUBLIC BENEFIT FUND

FUND 05 TOTALS

NUMBER	DESCRIPTION	COST	ACTUAL CURRENT MONTH	BUDGET CURRENT MONTH	ACTUAL Y-T-D	BUDGET Y-T-D	TOTAL BUDGET	
DEPT 05	REVENUES							
3007 INTERE	ST ON INVESTM	ENTS ==	4.49-	44-	479.66- ======	550-	550-	=======================================
DEPT 0)5 TOTALS		4.49-	44-	479.66-	550-	550-	
DEPT 59	CAPITAL EXF	== - SEWER - SEWER EXTENSION	:======= IS		========	=======	=======	
DEPT 5	9 TOTALS	==	.00	0	.00	0	0	
DEPT 65	CAPITAL EXP	- SEWER - REIMB FOR ADDEI) DEPTH					
		==	========	========	=======	=======		
DEPT 6	55 TOTALS	==	.00	0	.00	0	0	
FUND E	EXPENSE TOTAL	==	.00	0	.00	0	0	

4.49- 44- 479.66- 550- 550-

DATE 05/13/21 MONTH ENDED 04/30/21 PAGE 11

FUND 71 SEWER EXTENSIONS ESCROW

FUND 71 TOTALS

		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		.89-	- 0	95.25-	0	0	
D.D.D. 0	E MODEL C			05.05	.=======	.=======	
DEPT 0	5 TOTALS	.89-	- 0 	95.25-	0	0	
DEPT 92	SEWER EXPENSE						
2211 72	SEWER ENTENDE						
		==========		.=======	=======	=======	=======================================
DEPT 9	2 TOTALS	.00	0	.00	0	0	
					=======	=======	
FUND E	XPENSE TOTAL	.00	0	.00	0	0	
		=========		========	========	========	

.89- 0 95.25- 0 0

GENERAL MANAGER'S REPORT TO EMPLOYEES

WWTC Operations Data – March

The DMR for March indicates that the final effluent averaged 1.0 mg/l CBOD, 0.5 mg/l suspended solids and 1.58 mg/l ammonia-nitrogen over a daily average flow of 14.56 MGD. There were no permit excursions in March.

Financial Data – March

In March, the District received \$760,845 in the General fund, including \$308,974 in user charges, \$32,983 in surcharges and \$392,762 in monthly fees. General fund expenses totaled \$766,501. The Improvement fund had revenues of \$339 and expenses of \$10,356. The Construction fund had revenues of \$13,034 and expenses of \$0.

Sewer Permits – March

There were 14 sewer permits issued in March -10 single family, 1 multiple family, 1 repair and 2 disconnection.

COVID-19

CURRENT MITIGATION PLAN TIER OR PHASE FOR DGSD (REGION 8): PHASE 4

Governor Pritzker and the Centers for Disease Control and Prevention (CDC) have both issued revised guidance since the District's COVID-19 Preparedness Plan was last updated. Revisions to the plan have been draft accordingly and are expected to be provided to employees within the next week.

If you have been traveling to and are returning from out-of-state, 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 to determine beforehand if a quarantine will be necessary upon your return.

To date, one third (1/3rd) of employees have submitted copies of their COVID-19 Vaccination Record Card. If you are fully vaccinated and have not yet submitted a copy of your card to Carly, please remember that you will need to do so in order to receive the \$200 incentive. Based on information individual employees have shared with our Safety Coordinator, Jessie Gwozdz, we are estimating that over two thirds (2/3rd) of staff will be fully vaccinated by the end of May. Thank you to everyone who has taken this step to help provide a safer working environment for all employees. If you have not received the vaccine, are considering getting it and need assistance scheduling an appointment, Safety Coordinator Jessie Gwozdz is always available to help you.

The need for on-call employees to be at home on standby will be eliminated once a comparable portion of staff in each department is fully vaccinated. Over the next several weeks, on-call staff

will be transitioned off of standby and start reporting to work. Your Supervisor will be communicating with you if you are impacted by this change.

<u>Flexible Spending Plan – Open Enrollment</u>

Employees recently received an email from Clay regarding this year's open enrollment for the District's Flexible Spending Plan benefit offered to all employees (regardless of whether they are on the District's group health insurance plan or not). Please note that the open enrollment period is April 22 through May 22. If you have any questions regarding this benefit, please contact Clay or Carly.

Group Health Insurance

Employees should note that the District's group health insurance renewal information will be available in the Electronic Employee Acknowledgement section of the DGSD Employee Portal starting on Thursday, April 29th. This section will be labeled as "Group Health Insurance Plan" and will contain an enrollment kit from GCG Financial as well as the traditional open enrollment memo from Clay and Summary of Benefits & Coverage for each of the plans offered this year. This section also contains the electronic enrollment process that employees must complete regardless of whether or not they wish to be covered by the District's group health insurance.

Employees can access this area using the same District-issued login and password that they use to access their workstation on the District's network. If you need assistance accessing this area or with your login credentials, contact Clay.

We will be having an enrollment meeting for all employees regarding this upcoming plan year on Thursday, April 29 at 2:00 p.m. Clay will be emailing all employees with meeting information – this meeting will be provided as a Zoom virtual meeting with presentations by Amy Abel of GCG Financial and Clay. Call-in information will also be provided in case employees do not wish to attend the meeting using a computer. The meeting will be recorded and a link to the video will be provided to everyone afterwards.

TopHealth

The May issue of TopHealth is enclosed.

Newsletter

The annual newsletter was presented to the Board on April 20. The newsletter was approved and will be mailed with sewer bills during May, June and July. A copy of the newsletter is enclosed.

Employee T-Shirt Orders

Like last year, we will again be utilizing the online T-Shirt ordering process through the DGSD Employee Portal for eligible employees. This will allow employees the flexibility of selecting their desired quantities and colors, and the corresponding amount will be deducted from each employee's annual reimbursement amount. The deadline for orders will be Friday, May 7th.

Procurement

This is a reminder to all staff that procurement of goods or services needs to be pre-approved by your Supervisor.

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 District is working with Baxter & Woodman to finalize the plans and specifications. Additional soil borings are being taken this week.

2) Composting Pilot

The composting portion of this project is complete. The equipment will be returned to the manufacturer soon, and we will be getting a report on the pilot.

3) Centex Lift Station Replacement

Baxter & Woodman is preparing the plans and specifications. We expect to advertise this project for bids in May.

4) 1K-028 Basin Rehabilitation Phase 3

This project was advertised on April 15th. Bids will be opened on May 11th.

5) 2021 Sewer Cleaning and Televising

This work was advertised on April 15th, and bids will be opened on May 11th.

6) Administration Center Code & HVAC Review

The District has budgeted for a Code and HVAC review of the Administration Center. An inspection of the building is scheduled for the morning of Friday, May 7th. In order to keep within the Phase 4 capacity of the building and also be protective of employees and our visitors, the Admin Center will be closed to employees during the inspection.

COVID-19

CURRENT MITIGATION PLAN TIER OR PHASE FOR DGSD (REGION 8): PHASE 4

The District's COVID-19 Preparedness Plan was updated on May 4, 2021. All employees should have received an assignment from Target Solutions to read the update by May 12, 2021.

If you have been traveling to and are returning from out-of-state, 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 to determine beforehand if a quarantine will be necessary upon your return.

To date, almost one half of employees have submitted copies of their COVID-19 Vaccination Record Card. If you are fully vaccinated and have not yet submitted a copy of your card to Carly, please remember that you will need to do so in order to receive the \$200 incentive. Based on information individual employees have shared with our Safety Coordinator, Jessie Gwozdz, we are estimating that over two thirds (2/3rd) of staff will be fully vaccinated by the end of May. Thank you to everyone who has taken this step to help provide a safer working environment for all employees. If you have not received the vaccine, are considering getting it and need assistance scheduling an appointment, Safety Coordinator Jessie Gwozdz is always available to help you.

Group Health Insurance and Flexible Savings Arrangement

Please note that Amy Abell is still generally available to answer any questions you may have regarding either the group health and flex open enrollment. Please submit any enrollments electronically if you have not done so already. The deadline for open enrollment is as follows – Flexible Savings Plan (May 22) and Group Health Insurance Plan (May 31).

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 District is working with Baxter & Woodman to finalize the plans and specifications.

2) Composting Pilot

The composting portion of this project is complete. The equipment will be returned to the manufacturer soon. We have received a draft report on the pilot for review.

3) Centex Lift Station Replacement

Baxter & Woodman is preparing the plans and specifications. We expect to advertise this project for bids in May.

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This project was advertised on April 15th. Bids will be opened on May 11th.

5) 2021 Sewer Cleaning and Televising

This work was advertised on April 15th, and bids will be opened on May 11th.

6) Administration Center Code & HVAC Review

The District has budgeted for a Code and HVAC review of the Administration Center. An inspection of the building was held today.

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



Legal Counsel Michael G. Philipp

General Manager

Amy R. Underwood

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 20, 2021

Mr. Daniel Hebreard President Forest Preserve District of DuPage County 3S580 Naperville Road Wheaton, Illinois 60189

Subject: Letter of Support

Maple Grove Forest Preserved 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

Wallace D. Van Buren

President

CC: DGSD Board of Trustees & Board of Local Improvements Amy R. Underwood, DGSD General Manager Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood, P.E.

Legal Counsel Michael G. Philipp

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 28, 2021

The Honorable Richard Durbin 230 S. Dearborn Street Suite 3892 Chicago, IL 60604

The Honorable Sean Casten 800 Roosevelt Road Building C, Suite 210 Glen Ellyn, IL 60137 The Honorable Tammy Duckworth 230 S. Dearborn Street Suite 3900 Chicago, IL 60604

The Honorable Bill Foster 2711 E New York Street Suite 204 Aurora, IL 60502

Subject: Infrastructure Legislation Consideration

Dear Senator Durbin, Senator Duckworth, Congressman Casten and Congressman Foster:

On behalf of the Downers Grove Sanitary District (DGSD) and the 65,000 customers we serve, I write to ask that you please consider several of DGSD's clean water infrastructure funding needs in future infrastructure legislation.

In addition to a wastewater treatment center (WWTC) that treats an average of 11 million gallons per day (MGD), DGSD owns, operates and maintains nine lift stations and 250 miles of sewers serving most of the Village of Downers Grove, part of the Village of Westmont, and portions of Woodridge, Lisle, Oak Brook, and Darien. Portions of the sewer system date back to 1904. The average age of the DGSD sewers is 57 years. Due to the age and condition of the DGSD sewers, the DGSD system receives significant infiltration and inflow (I/I), collecting for treatment as much as 110 MGD (10x the average flow) at the WWTC during the rainfall events experienced in the past several years. The projects listed below for your consideration would address the aging infrastructure of the DGSD system while also providing I/I removal from the system and protecting public health.

Please note DGSD is a recognized leader nationally and has found I/I removal is most successful when sources of I/I on private property are also corrected. Therefore, a few of the projects presented herein include work on private property, specifically rehabilitation of service laterals and installation of cleanouts. Should funding not be available for private property, I request that the remainder of each project (i.e., the portion of public property) still be considered.

With the potential for legislation to fund infrastructure projects on the near horizon, the DGSD requests your consideration of the following projects:

Estimated Cost

Project Desci	<u>iption</u>	DGSD (Public) Property	<u>Private</u> <u>Property</u>
Westmont, w	est of Downtown Area	\$2,760,000	\$800,000
and 275 lf of 1	ocement of 3,600 linear feet (lf) of 8-inch sewer 0-inch sewer. Replacement of 12 sanitary uting of 208 service laterals. Installation of 79 eanouts.		
Downers Gro	ve, Dunham Road-Denburn Woods Area	\$420,000	\$2,090,000
sewer. Replac	e pipe (CIPP) rehabilitation of 6,000 lf of 8-inch ement of 18 sanitary manholes. CIPP of 195 service laterals. Installation of 118 new uts.		
Downers Gro	ve, 55th Street-Barth Pond Area	\$670,000	\$2,010,000
inch sewer. Op and 2 sanitary	ation of 6,850 lf of 8-inch sewer and 550 lf of 15- ben cut replacement of 450 feet of 12-inch sewer manholes. CIPP rehabilitation of 186 service lation of 116 new service cleanouts.		
Downers Gro	ve, Curtiss Street Improvements	\$1,350,000	
request for Co	ation of 4,500 lf of 42-inch sewer. Note that a mmunity Project Funding was completed for April 16 via Congressman Casten's online form.		
Downers Gro	ve, Venard Lift Station Force Main	\$770,000	
	rectional drilling of 2,100 lf of 10-inch force main replacement of 200 lf of 10-inch force main.		

Please do not hesitate to contact me with any questions you may have. I may be reached at the number provided herein or through e-mail at aunderwood@dgsd.org. Thank you for your time and consideration.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Amy R. Underwood, P.E. General Manager

cc: DGSD Board of Trustees & Board of Local Improvements Bob Swirsky, DGSD Sewer Maintenance Supervisor Hello,

Just a note to let you know how propessional, kind, conteous, and helpful the ladies assuring the sphones are. In sinculity appreciative of this, especially in today's world of automated answering markines. Thank you for continuing to provide this wonderful customer Service!

Szan Law

Amy Underwood

From: Hunt, Chloe <Chloe.Hunt@mail.house.gov>

Sent: Monday, May 3, 2021 11:45 AM

To: Amy Underwood

Subject: Rep. Casten - Community Funding Project request

Hi Amy,

Thank you for submitting the Downers Grove Sanitary District project to Rep. Casten's office for consideration for our Community Funding Project requests.

Upon reviewing all the requests we received, we are pleased to inform you that Rep. Casten selected your request to submit to the House Appropriations Committee. We are excited for the opportunity to drive back resources to our community! It must be noted, each Member was limited to no more than 10 Community Project Funding requests across all subcommittees and there is no guarantee that all requested projects will be funded. Projects are restricted to a limited number of federal funding streams, and only state and local governments and eligible non-profit entities are permitted to receive funding.

We will continue to be in touch as we advocate for your project and for our constituents across the district.

You can see the list of submitted projects here.

All the best, Chloe

--

Chloe Hunt Chief of Staff, Rep. Sean Casten

Appropriations and Community Funding

The deadline for submissions for Fiscal Year 2022 (FY22) appropriations language, programmatic, and community projects requests to Congressman Casten's office has passed. Thank you for taking the time to make your submissions. For questions you may have, please contact our DC office at 202-225-4561.

Community Projects

This year House Appropriations Committee accepted Member requests for Community Project Funding (CPF) in appropriations bills for fiscal year 2022. Community Projects Funding are congressional provisions that direct funds toward a specific project within a community. Each Member was limited to no more than 10 Community Project Funding requests across all subcommittees and there is no guarantee that all requested projects will be funded. Projects are restricted to a limited number of federal funding streams, and only state and local governments and eligible non-profit entities are permitted to receive funding.

For more information on the projects Rep. Casten submitted to committee see below:

Boys & Girls Clubs of Dundee Township Pandemic Remedial Academic and SEL Program

- Funding for the Boys & Girls Clubs of Dundee Township Pandemic Remedial Academic and SEL Program in fiscal year 2022.
- The entity to receive funding for this project is the Boys & Girls Clubs in Dundee Township located at 20 S. Grove Street, Suite #201, Carpentersville, IL, 60110.
- The funding would be used to run programs aimed at low-income K-12 students to address learning loss and social-emotional learning needs caused by the COVID-19 pandemic.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1PFTgvNRTg7UClwKO0Uhuk5A4JRM19-2/view?usp=sharing).

Community College District 502 Nursing, Dental Hygiene, and Health Sciences Program

- Funding for Community College District 502 Nursing, Dental Hygiene, and Health Sciences Program in fiscal year 2022.
- The entity to receive funding for this project is Community College District 502 located at 425 Fawell Boulevard, Glen Ellyn, IL, 60137.
- The funding would be used to purchase technology, such as radiological equipment and simulation mannequins, to better prepare students for careers in health care.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1HnFF-cFcefoe5SMregCxCWA9PSt_XZdy/view?usp=sharing).

DuPage Regional Office of Education

- Funding for DuPage Regional Office of Education in fiscal year 2022.
- The entity to receive funding for this project is the DuPage Regional Office of Education located at 421 North County Farm Road, Wheaton, IL, 60187.
- The funding would be used to hire staff and design programs to prepare high school students for jobs and apprenticeships in manufacturing and other trades.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1CgRcMTzwgHI79s55fQIEoJW7fxkoDuHI/view?usp=sharing).

Village of Barrington - Pedestrian Grade Separation at Main Street and the Canadian National Railroad

- Funding for the Village of Barrington's Pedestrian Grade Separation at Main Street and the Canadian National Railroad in fiscal year 2022.
- The entity to receive funding for this project the Village of Barrington is located at 200 S. Hough Street, Barrington, IL 60010.
- The funding would be used for Pedestrian Grade Separation at Main Street and the Canadian National Railroad. This is become a high rail traffic area and has reduced the accessibility, reliability and safety of this intersection for pedestrians. A pedestrian grade separation would allow for uninterrupted pedestrian traffic at this rail crossing in a safe and accessible manner. This increased connectivity is a major goal of the Village's Comprehensive Plan based on significant resident feedback in favor of pedestrian and bike improvements throughout the Village.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1ANCz1fnwU33hvQD89dVFVsxfQF24LTYi/view?usp=sharing).

Village of Deer Park - Deer Park Boulevard - Road Program

- Funding for the Village of Deer Park Deer Park Boulevard Road Program in fiscal year 2022.
- The entity to receive funding for this project, the Village of Deer Park, is located at 23680 W Cuba Rd, Deer Park, IL 60010.
- The funding would be used for Deer Park Boulevard Road Program for road reconstruction of 2,750 of roadway. Deer Park Boulevard is a thorough fare through in their commercial district. The current conditions show signs of aging and problematic sound structural condition.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/106T7zaYH5HAngXWljV9iBiZ L7vws0W8/view?usp=sharing).

Bridges Communities, Inc. - Capital Rehabilitation of Glendale Heights Program Campus

- Funding for the Capital Rehabilitation of Glendale Heights Program Campus Affordable and Transitional Housing Apartments in fiscal year 2022.
- The entity to receive funding for this project, Bridge Communities, Inc., is located at 505 Crescent Blvd, Glen Ellyn, IL, 60137.
- The funding would be used for Capital Rehabilitation of Glendale Heights Program Campus –
 Affordable and Transitional Housing Apartments. The Bridge Communities plans to renovate its

Glendale Heights campus, comprised of one eight-flat building (1579 Floyd Brown Lane) and one six-flat building (1561 Floyd Brown Lane). The organization built 1579 Floyd Brown Lane in 1995 as their first building and it has not been renovated since then and the fund would go towards much needed improvements. For 33 years, Bridge Communities has been serving extremely low to low income homeless families, mostly single mothers with two or more children. Bridge provides safe, clean and affordable housing and needs to complete this moderate rehab project in order to continue doing so for the families.

• I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1jA DdEZ6uxNNqfFD67QJnWRHSMIc3JxQ/view?usp=sharing).

360 Youth Services - Youth Affordable Housing Resource Center

- Funding for the 360 Youth Services' Youth Affordable Housing Resource Center in fiscal year 2022.
- The entity to receive funding for this project, 360 Youth Services, is located at 1035 Oswego Road Naperville, IL 60540.
- The funding would be used a Youth Affordable Housing Resource Center to provide youth-specific housing and homelessness prevention services in DuPage, Kane, Will and surrounding counties. The Center will be a regional access point for trauma-informed mental health care, crisis intervention, family services, vocational training, educational support, rental assistance, legal aid and LGBTQ+ affirming services. The building will include 20 small private studios; 15 multipurpose rooms; 4 meeting rooms and community space. Non-congregate design will provide: a) safe shelter during health emergencies; b) flexibility to meet changing needs for short/long-term shelter; and c) safe, dignified shelter for youth of all gender identities and sexual orientations. Services for ages 13-24 will empower vulnerable youth to participate in the regional economy. Project scope to include acquisition of adjacent land, site work, revision of existing site plans based on new HUD non-congregate guidelines, and construction.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1rzYnC1iIMVgA2dRi8RiQB4B9huxr6ypp/view?usp=sharing).

The Morton Arboretum – Chicago Region Tree Initiative

- Funding for The Morton Arboretum's participation in the Chicago Region's Tree Initiative in fiscal year 2022.
- The entity to receive funding for this project, the Morton Arboretum, is located at 4100 IL-53, Lisle, IL 60532.
- The funding would be used for The Morton Arboretum's participation in The Chicago Region Trees Initiative (CRTI) which assists municipalities, counties, and other communities in the 7-county Chicago metropolitan region to: plant and grow trees to mitigate and develop resilience to climate change; plant and care for trees to assist community health; and address environmental inequities in underserved and diverse communities. This project increases the urban canopy, diversifies the urban forestry to reduce catastrophic loss, improves capacity of communities to plant and care for trees, and increases tree production.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1iHbsKv1yidGVpN2MGm6hLT3KK8PKuf4m/view?usp=sharing).

Village of Burr Ridge - Regional Watercourse

- Funding for a Regional Watercourse in the Village of Burr Ridge in fiscal year 2022.
- The entity to receive funding for this project, the Village of Burr Ridge, is located at 7660 County Line Rd, Burr Ridge, IL 60527.
- The funding would be used for a regional watercourse in Burr Ridge that is conveyed beneath Elm Street by a large, corrugated metal pipe that has significant corrosion and has reached the end of its useful life. A collapse of this pipe would impact Elm School (District 181) for several months, impede regional traffic in Hinsdale, Willowbrook, and Burr Ridge, and likely result in private property damage to adjacent homes. The culvert is too small to accommodate normal heavy rainstorms; therefore, Elm Street is flooded several times each year. Replacing this pipe is a high priority before a collapse occurs. Coordination with the U.S. Army Corps of Engineer and Illinois Department of Natural Resources has already begun to expedite the project and mitigate any environmental impacts to regulatory floodway and floodplain. And providing these target funds would help expedite this really important project.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/1ymys1SBcpm-E6CyhfK22rZ1SJ98 UvWh/view?usp=sharing).

Downers Grove Sanitary District - Sanitary Sewer Rehabilitation

- Funding for Sanity Sewer Rehabilitation in Downers Grove in fiscal year 2022.
- The entity to receive funding for this project, the Downers Grove Sanitary District, is located at 2710 Curtiss St, Downers Grove, IL, 60515.
- The funding would be used for Sanitary Sewer Rehabilitation, approximately 4,500 lf of 42-inch reinforced concrete pipe would be rehabilitated using cured-in-place pipe (CIPP), which is a trenchless technique where an epoxy-laden liner is inserted in the pipe and heat-cured in place. Due to the age and condition of the pipe, this section of pipe has leaky joints which allow infiltration and inflow (I/I). There is also root intrusion at the joints. Roots growing inside the pipe can cause obstructions which could potentially backup the flow and cause sanitary sewer overflows to St. Joseph Creek. Lining the pipe will prevent I/I and root intrusion, eliminating obstructions and lost capacity due to I/I. The pipes in the older portions of Downers Grove and Westmont have significant I/I. The District, therefore, has been focusing on removing and preventing I/I so that we can continue to accept flows from new developments as they request service.
- I certify that neither I nor my immediate family has any financial interest in this project.

A copy of my certification can be found https://drive.google.com/file/d/17ZgvvVfsds55B4Hdx 8E5M1FpH0asn9u/view?usp=sharing).



OFFICE OF THE MAYOR ROBERT T. BARNETT

April 30, 2021

Mr. Wallace D. Van Buren President Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, Illinois 60515

Subject: Letter of Support

Curtiss Street Trunk Sewer Improvements

Dear Mr. Van Buren:

The Village of Downers Grove is pleased to provide this letter in support of the Downers Grove Sanitary District pursuing cured-in-place pipe (CIPP) lining of the Curtiss Street trunk sewer. As you are aware, this 42-inch diameter sanitary interceptor sewer collects and transports sewage from the downtown area of the Village of Downers Grove and the older sections of the Village of Westmont to your wastewater treatment center. This project will maintain the full capacity and reliability of this interceptor sewer for decades to come by preventing root intrusion, which could cause obstructions, and by preventing infiltration and inflow (I/I). Preventing I/I will retain available capacity in this sewer for future development in the Villages of Downers Grove and Westmont.

The Village of Downers Grove values its relationship with the Downers Grove Sanitary District, and we look forward to working cooperatively to make this project a reality.

Sincerely,

VILLAGE OF DOWNERS GROVE

Hon. Robert T. Barnett Mayor



ADMINISTRATION

31 West Quincy Street, Westmont, Illinois 60559

Tel: 630-981-6210 Fax: 630-560-4885 westmont.illinois.gov | administration@westmont.il.gov

April 29, 2021

President Wallace D. Van Buren Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, Illinois 60515

Subject: Letter of Support

Curtiss Street Trunk Sewer Improvements

Dear Mr. Van Buren:

The Village of Westmont is pleased to provide this letter in support of the Downers Grove Sanitary District pursuing cured-in-place pipe (CIPP) lining of the Curtiss Street trunk sewer. As you are already aware, this 42-inch diameter sanitary interceptor sewer collects and transports sewage from the downtown area of the Village of Downers Grove as well as the older sections of the Village of Westmont to your wastewater treatment center.

This project will maintain the full capacity and reliability of this interceptor sewer for decades to come by preventing root intrusion, which could cause obstructions, and by preventing infiltration and inflow (I&I). Preventing I&I will retain available capacity in this sewer for existing needs and the future residential and business development in the Village of Westmont.

The Village of Westmont has always valued its relationship with the Downers Grove Sanitary District, and we look forward to working cooperatively to make this project a reality.

Sincerely,

Stephen M. May, P.E., PTOE

Village Manager, Village of Westmont

cc: Mayor Ron Gunter

Mike Ramsey, Director of Public Works



Downers Grove Economic Development Corporation

5159 Mochel • Downers Grove, IL 60515 630.729.0380 • www.dgedc.com

April 29, 2021

Mr. Wallace D. Van Buren President Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, Illinois 60515

Subject: Letter of Support

Curtiss Street Trunk Sewer Improvements

Dear Mr. Van Buren:

I am writing on behalf of the Downers Grove Economic Development Corporation (DGEDC). We are the official agency for economic development for the Village of Downers Grove. The Downers Grove Sanitary District plays an important role in the economic development process.

The DGEDC is pleased to provide this letter in support of the Downers Grove Sanitary District pursuing cured-in-place pipe (CIPP) lining of the Curtiss Street trunk sewer. As you are aware, this 42-inch diameter sanitary interceptor sewer collects and transports sewage from the downtown area of the Village of Downers Grove and the older sections of the Village of Westmont to your wastewater treatment center. This project will maintain the full capacity and reliability of this interceptor sewer for decades to come by preventing root intrusion, which could cause obstructions, and by preventing infiltration and inflow (I/I). Preventing I/I will retain available capacity in this sewer for future development in the Villages of Downers Grove and Westmont.

The DGEDC values its relationship with the Downers Grove Sanitary District, and we look forward to working cooperatively to make this project a reality.

Sincerely,

Michael Cassa

President & CEO

Michael P. Cassa

Downers Grove Economic Development Corporation

Amy Underwood

From: Jessie Gwozdz

Sent: Tuesday, May 4, 2021 1:10 PM

To: Adrienne Kasper; Alex Bielawa; Alyssa Caballero; Amy Underwood; Carly Shaw; Clay

Campbell; Jessie Gwozdz; Kim Giardini; Megan MacQuilkin; Susan Testin; Frank Furtak; Joe Magiera; Sam Tatulli; Malwina Serpa; Reese Berry; Stephanie Cioni; Adam Cioni; Bill Smith; Chuck Preen; Jeff Barta; Marco Rendon; Nick Whitefleet; Rolf Flechsig; Brian Meng; Ed Bailie; Marc Majewski; 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: Updates to the COVID-19 Preparedness Plan

Everyone,

Recent changes in guidance from health authorities has driven an update to the District's COVID Preparedness Plan. You will soon receive an assignment through Target Solutions to read the update.

Key updates include:

- "Bridge to Phase 5 " information added per the Restore Illinois Plan (throughout entire document)
- References to vaccination status (2.1, 2.4, 3.1.3, 7, Attachment E)
- Guidance related to exposure to COVID positive individuals (section 2.4)
- Clarification of how quarantine and isolation periods are calculated (section 2.5)
- Edits to on-call procedures (section 3.1.3.)
- Clarification of meeting room capacities (section 3.2.2)
- Introduction of new outdoor eating areas (section 3.2.5)
- New verbiage to be added to contracts (section 3.5)
- Clarifications regarding events and gatherings (section 8)
- Update to the District's visitor memo (Attachment E)
- Removal of the online visitor form (the former Attachment F). This form, which can be viewed online at any time, has been updated consistent with the updates to the visitor memo.

If you have any questions, please don't hesitate to ask.

Jessie Gwozdz

Safety Coordinator | Cell: (847) 347-0087

DOWNERS GROVE SANITARY DISTRICT

2710 Curtiss Street | Downers Grove, IL 60515



COVID-19 Preparedness Plan

May 4, 2021

Table of Contents

1.	Int	troduc	oduction4						
2.	Sy	/mptor	ns, Exposure, and Return to Work Requirements	4					
	2.1. Employee Self-Monitoring of Symptoms and Potential Exposure								
	2.2.	Em	oloyees Who Have Symptoms	6					
	2.3.	Em	oloyees Who Have Tested Positive for COVID-19	6					
	2.4.	Ехр	osure to COVID-19 positive Individuals	7					
	2.5.	Cal	culation of Quarantine and Isolation Periods	8					
3.	Te	empora	ary Changes to the Way We Work	8					
	3.1.	Alte	rnate Work Plans	8					
	3.	1.1.	Reporting to Work in Phases 1 and 2	8					
	3.	1.2.	Reporting to Work in Tier 3	9					
	3.	1.3.	Reporting to Work in Phase 3, Tier 2, Tier 1, Phase 4, and Bridge to Phase 5	9					
	3.	1.4.	Isolation Protocol	10					
	3.2.	Soc	ial Distancing	11					
	3.2	2.1.	General Social Distancing Guidelines	11					
	3.2	2.2.	Meetings	12					
	3.2	2.3.	Locker Rooms & Restrooms	13					
	3.2	2.4.	Time Clocks	13					
	3.2	2.5.	Lunchrooms (for Eating)	13					
	3.2	2.6.	Office Spaces	14					
	3.3.		rict Vehicles						
	3.4.	Sev	ver System Backup Response	14					
	3.5.	Insp	pections of Contractor Work and BSSRAP-OHSP Inspections	14					
	3.6. Bios		solids	15					
	3.7.	Cus	tomers at Administration Center	16					
	3.8.	Visi	tors/Contractors	16					
	3.9.	Pla	nt Tours	17					
4.	Ha	Hand Washing and Hygiene							
5.	PPE (Personal Protective Equipment)								
6.	Cleaning and Disinfecting								
7	Tr	avel		19					

8.	Events and Gatherings	21
	Revisions to the Plan	
Atta	chment A – Restore Illinois Plan	22
Atta	chment B – Emergency COVID-19 Absence Policy	40
Atta	chment C – Questions to Ask Residents Needing Inspection	44
Atta	chment D – Phase 3 and 4 Front Door Sign	45
Atta	ichment E – April 29, 2021 Pandemic Visitor Memo	47

1. Introduction

The current global COVID-19 pandemic has impacted our communities in an unprecedented an unexpected way. This impact has led to the implementation of additional guidelines and restrictions intended to protect public health. The Downers Grove Sanitary District (DGSD) is committed to providing a safe and healthy workplace for our employees and customers. To ensure that, we have developed the following COVID-19 Preparedness Plan in response to the COVID-19 pandemic. Our goal is to mitigate the potential for transmission of COVID-19 in our workplaces and communities, and that requires full cooperation among our workers, management, and customers. Only through this cooperative effort can we establish and maintain the safety and health of our workplace.

DGSD is classified as an essential business during the COVID-19 pandemic. Our employees are our most valuable asset and we are committed to their health and safety. Our COVID-19 Preparedness Plan follows guidelines established by the Centers for Disease Control and Prevention (CDC), the Occupational Safety and Health Administration (OSHA), Illinois Department of Public Health (IDPH) guidelines, and the "Restore Illinois" 5-Phase plan put in place by Illinois Governor J.B. Pritzker. The Restore Illinois Plan and Illinois Resurgence Mitigation Plan are included as Attachment A of this document. Just as these guidelines have changed as research and science develop, this plan will be updated should these guidelines be modified.

DGSD employees are expected to take steps to protect themselves from COVID-19 both at work and at home by following the recommendations of the public health authorities mentioned above.

Where applicable, this plan indicates different measures for Phases 1 through 4 and Bridge to Phase 5 of the Restore Illinois Plan and Tiers 3 through Tier 1 of the Illinois Resurgence Mitigation Plan. This COVID-19 Preparedness Plan will no longer be in effect once the Governor moves the State to Phase 5 of the Restore Illinois plan.

2. Symptoms, Exposure, and Return to Work Requirements

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

2.1. Employee Self-Monitoring of Symptoms and Potential Exposure

DGSD management is asking staff to self-monitor for the above symptoms. Each employee needs to check his/her temperature prior to leaving home for work every day. DGSD staff who are experiencing any of the above symptoms should notify their supervisor and should not report to work. DGSD staff who have been in "close contact" (as defined in Section 2.4 below) in the last fourteen days with someone who has tested positive for COVID-19 should notify their supervisor immediately, should not report to work, and must follow all requirements of Section 2.4. This includes the on-call employees that are at home on standby pay so that the supervisor can replace the employee on-call immediately. By reporting to work, DGSD staff are certifying that they are symptom free and have not within the past fourteen (14) days knowingly been in close contact with someone who has tested positive for COVID-19 and is still contagious.

Employees should not allow fear of inadequate sick leave to prevent them from following these guidelines. In response to the COVID-19 pandemic, the DGSD instituted the Emergency COVID-19 Absence Policy, which is provided as Attachment B.

In addition to self-monitoring for symptoms as specified above, potential exposure can be prevented by following CDC guidelines, avoiding gatherings, following other current regional restrictions that may be established by governmental authorities, and limiting out-of-state travel as these present increased risk for cross-contamination and COVID-exposure. In the event an employee elects to attend a gathering that requires quarantine as defined in Section 8 below or is directed by their supervisor to quarantine as a result of out-of-state travel as identified in Section 7 below, they must meet the following protocol prior to returning to work:

- Get tested with a PCR test 3-5 days after travel AND stay home and self-quarantine for 7 days after travel;
 - Even if your test is negative, stay home and self-quarantine for 7 days; and
 - If your test is positive, isolate yourself to protect others from getting infected and must follow all requirements of Section 2.3.
- If you don't get tested, stay home and self-quarantine for 10 days after travel.

Anyone returning to work after the above protocol will be asked to follow isolation protocols (Section 3) while at work until a total of 14 days has elapsed since returning home from travel or attending a gathering.

In the event the employee cannot follow isolation protocols while at work or work remotely during the quarantine period, the employee may utilize vacation leave, personal leave, or take unpaid leave during normally scheduled workdays. Employees should contact their supervisors to explore whether remote work is available.

DGSD Staff that has attended a gathering or traveled out-of-state may report to work without quarantine or isolation if they <u>have remained asymptomatic</u> and meet one of the following criteria:

- Are fully vaccinated (e.g. two weeks after their second dose in a two dose series, such as the Pfizer or Moderna vaccines, or two weeks after a single dose vaccine, such as the Johnson & Johnson's Janssen vaccine); or
- Were previously diagnosed with COVID-19 within the past 3 months.

2.2. Employees Who Have Symptoms

- DGSD staff who are experiencing any of the above symptoms must notify their supervisor and must not report to work.
- The District's Safety Coordinator will contact the employee via phone for documenting their symptoms.
- Employees should contact their medical provider to seek guidance on how to manage their care.
- In the event that the medical provider directs that the employee take a COVID-19 test, the employee must notify their supervisor and/or the Safety Coordinator.
- If a COVID-19 test is taken, the employee must notify their supervisor or the Safety Coordinator of the results immediately:
 - o If the result is positive, see section 2.3; or
 - o If the test is negative, the employee should follow their medical provider's recommendations and must secure a release for return to work from their provider.
- Unless directed otherwise by their medical provider, employees experiencing symptoms need to quarantine at home for 14 days and work remotely if possible, while selfmonitoring for symptoms.
- If the employee has utilized more than three (3) consecutive days of sick leave and/or
 the employee wishes to return to work in-person earlier than 14 days from the onset of
 symptoms, the employee must obtain a release from their medical provider to return to
 work.
- An employee does not need to obtain a release from their medical provider to return to work if all of the following applies to the employee:
 - Has quarantined at home for 14 days from the onset of symptoms;
 - Has been fever-free for at least 24 hours, without the use of fever-reducing medications; and
 - No other symptoms are present.

2.3. Employees Who Have Tested Positive for COVID-19

Employees who test positive for COVID-19 must notify their supervisor immediately so that steps can be taken to protect other employees from contracting the virus. DGSD reasonably follows CDC and IDPH guidance for businesses in this situation and will periodically review the applicability of such guidance. This guidance includes the following:

- Unless directed otherwise by their medical provider, employees that have tested
 positive must isolate at home for 10 days from the onset of symptoms and be fever-free
 for at least 24 hours, without the use of fever-reducing medications, and other
 symptoms have improved before returning to work (the exception being loss of taste
 and smell). Employees may work remotely if possible, while self-monitoring for
 symptoms.
- An employee that has tested positive for COVID-19 as referenced above must obtain a release from their medical provider before returning to work.
- Other employees will be informed of their possible exposure to COVID-19 in the workplace, but confidentiality (unless waived by the COVID-19 positive individual) will be maintained as required by applicable law.
- Employees that have been in close contact with the employee that tested positive will be required quarantine at home for 14 days, work remotely if possible, while selfmonitoring for symptoms.
- If at the time the District is notified an employee has tested positive and it has been 7
 days or less since the employee that tested positive has been to work, areas of the
 facility or vehicles used by that employee will be closed off and/or isolated and/or
 disinfected, where possible.
- In order to minimize potential for other employees being exposed to respiratory droplets, wait 24 hours where possible before cleaning and disinfecting.
- Open outside doors and windows to increase air circulation in these areas during the 24-hour wait.
- Employees should consult with their supervisor prior to beginning any disinfection efforts themselves.
- A third-party cleaning and disinfection service vendor may be utilized at the discretion of the District.
- In the event the District determines cleaning and disinfection is to be performed by District staff, employees must follow the most updated CDC cleaning and disinfection recommendations, including use of PPE while cleaning.

If it has been 7 days or more since the employee that tested positive used the facility, additional cleaning and disinfection is not required. Routine cleaning and disinfection policies should continue.

2.4. Exposure to COVID-19 positive Individuals

DGSD staff who have been in "close contact" (as defined below) in the last fourteen days with someone who has tested positive for COVID-19 should notify their supervisor immediately and should not report to work. This includes the on-call employees that are at home on standby pay so that the supervisor can replace the employee on-call immediately. By reporting to work, DGSD staff are certifying that they are symptom free and have not within the past fourteen (14) days knowingly been in close contact with someone who has tested positive for COVID-19 and is still contagious. Close contact is defined as any of the following: 1) Being within 6 feet of a sick person with COVID-19 for a total of 15 minutes or more within a 24-hour period starting from 48 hours prior to the onset of symptoms in the sick person (or, for asymptomatic persons,

48 hours prior to test specimen collection), 2) Caring at home for a sick person with COVID-19, 3) Having direct physical contact with the person (e.g. hugged or kissed them), or 4) Being in direct contact with secretions from a sick person with COVID-19 (e.g., being coughed on, sneezed on, somehow got respiratory droplets on you, sharing eating or drinking utensils, etc.).

Employees that have had close contact with someone who has tested positive for COVID-19 will be required to quarantine at home for 14 days from the last date of close contact with the individual. The employee may work remotely if possible, while self-monitoring for symptoms throughout the quarantine period.

DGSD Staff with an exposure to someone who has tested positive for COVID-19 may report to work without quarantine or isolation if they <u>have remained asymptomatic since the current COVID-19 exposure</u> and meet one of the following criteria:

- Are fully vaccinated (e.g. two weeks after their second dose in a two dose series, such as the Pfizer or Moderna vaccines, or two weeks after a single dose vaccine, such as the Johnson & Johnson's Janssen vaccine); or
- Were previously diagnosed with COVID-19 within the past 3 months.

Employees should not allow fear of inadequate sick leave to prevent them from following these guidelines. In response to the COVID-19 pandemic, the DGSD instituted the Emergency COVID-19 Absence Policy, which is provided as Attachment B.

2.5. Calculation of Quarantine and Isolation Periods

Any of the quarantine and/or isolation periods referenced throughout this Plan start the full day after the day determined by the District as the start date (Day 0). For example, if an employee returned from travel on April 1 and they needed to undergo a 14 day quarantine period, they would be able to return to work on April 16.

3. Temporary Changes to the Way We Work

3.1. Alternate Work Plans

In a pandemic, steps should be taken to minimize physical contact between employees. The General Manager and supervisors will work together to identify essential personnel that must be physically present at DGSD facilities in order to conduct work during each tier or phase. Alternate work plans will be put in place by tier or phase such as: working from home, being on call, working reduced hours, staggered shifts, and standby duty.

3.1.1. Reporting to Work in Phases 1 and 2

Maintenance, Operations, Laboratory, and Systems staff will work on a standby duty schedule. The minimum number of Maintenance, Operations, Laboratory and Sewer

Systems employees required in order to maintain the District's essential services will be scheduled to work. All other employees in these departments will be at home on standby. On-call employees from Maintenance, Operations, Laboratory, and Systems will also stay home on standby; however, as explained herein they will also still perform normal on-call responsibilities. Should an employee scheduled to work complete all their essential tasks before the end of their shift, that employee may go home and be on standby for the remainder of the shift with approval from his/her supervisor. Biosolids delivery will not be done during this time.

Administrative employees will work remotely. One employee will be on-site Monday through Thursday in the Administration Center to answer phones, receive deliveries, pick up mail both at the post office and in the dropboxes, and to send important daily information to the employees working remotely. It's possible that an employee scheduled to work remotely on a certain day would need to come into the Administration Center briefly. A shared calendar has been created in Outlook for occupancy communication. Employees must check this calendar before planning to enter the Administration Center and must enter their name into the calendar and the time they need to enter so that others are aware. Administration Center capacity during Phase 1 and 2 should not exceed two (2) employees. The General Manager may at his/her discretion approve additional employees to be in the Administration Center for limited periods if required in order for the District to provide our essential services.

Employees who are home on either standby pay or on-call are expected to be able to respond at any time during normal working hours if needed. The expectation is that the standby or on-call employee stays at home practicing social distancing during working hours in order to be available should any of the employees who are at work become sick and need to be quarantined. All other requirements and provisions for on-call employees which are identified in the DGSD Employee Policy Manual apply. If an employee who is at home on standby or on-call becomes sick and is therefore not able to respond to calls, the employee must notify his or her supervisor immediately so he or she can be switched from standby pay to sick pay and be removed from the rotation of available employees.

Supervisors will work from home when it is not essential to be on District property.

3.1.2. Reporting to Work in Tier 3

Only BSSRAP Emergency inspections shall be performed at this time. Biosolids delivery may continue at this time with contactless delivery at the discretion of the Operations Supervisor. All other work assignments to be performed as provided for under Phase 3, Tier 2, Tier 1, and Phase 4.

3.1.3. Reporting to Work in Phase 3, Tier 2, Tier 1, Phase 4, and Bridge to Phase 5

Maintenance, Operations, Laboratory, and Systems staff will return to work full time. Start times will be staggered. Supervisors of these departments will work together to create the

staggered schedule, which will help with social distancing in both the locker room and the lunchroom. If the Maintenance or Operations departments do not have two or more fully vaccinated employees in its department, on-call employees for the respective department will stay home on standby. If the Laboratory or Sewer System departments do not have one or more fully vaccinated employees in its department, the on-call employee for the respective department will stay home on standby. The guidelines for on-call employees staying at home are the same as they were in Phases 1 and 2.

Biosolids delivery can resume with the restrictions listed in section 3.6.

Most administrative employees will continue to work remotely. The Administration Center normally houses up to 16 employees working at their desks, plus residents at the front counter, periodic entries by WWTC staff and meetings in the Board room. It is not possible to practice social distancing at this capacity so supervisors will work together to create a plan to keep the Administration Center capacity at four (4) or less employees that will be in the building for more than one hour. It's possible that an employee scheduled to work remotely on a certain day would need to come into the Administration Center briefly. A fifth employee may enter the office so long as he/she will be in the office no more than one hour. A shared calendar has been created in Outlook for occupancy communication. Employees must check this calendar before planning to enter the Administration Center and must enter their name into the calendar and the time they need be in the office so that others are aware. Employees should not put "ALL DAY" on the calendar but rather put the actual time frame as this will allow others that need to visit the office to know when a pocket of availability is open. Employees that are popping into the side hallway to pick up packages or use the time clock are not counted for the purpose of the capacity limitation provided herein. The General Manager may at his/her discretion approve additional employees to be in the Administration Center for limited periods if required in order for the District to provide our essential services.

Supervisors that report to the Administration Center will continue work from home as needed to limit the number of employees in the Administration Center. Maintenance, Operations and Laboratory Supervisors may continue to work from home as long as at least one supervisor is at the WWTC during normal working hours.

3.1.4. Isolation Protocol

Effects of the COVID-19 pandemic may result in District staffing levels being too low to maintain normal operations and render us unable to provide our essential service to the community. In this case, employees who are quarantining due to <u>potential</u> exposure (have no known exposures, have not tested positive, and have not exhibited symptoms) may be asked to continue working under an isolation protocol. This protocol will allow an employee to perform essential job duties while isolated from other employees. Details of the isolation protocol will be communicated by the management team if such an emergency arises but may include workday modifications such as:

- Reduced on-site hours (i.e. do what is needed on site, then work remotely or be on standby at home for the rest of the day);
- Clearly communicated instructions for the isolated employee to avoid physical interaction with other employees;
- Clearly communicated instructions for other employees to avoid physical interaction with the isolated employee;
- An alternate method for the employee to record their working hours so that they don't need to access the shared timeclock;
- An alternate area for the employee to store their belongings and change clothes so that they don't enter the shared locker room. This area will be marked such that other employees know not to enter the space;
- The isolated employee may be required to wear personal protective equipment, including but not limited to, face masks, face shields, gloves, etc. while performing work in isolation;
- The isolated employee may be directed to clean and disinfect workspaces and equipment that were used in the course of performing work in isolation;
- Minimize their use of District vehicles and equipment (includes golf carts, tricycles, forklift, etc.). In the event a vehicle or piece of equipment is deemed essential, a dedicated vehicle or piece of equipment will be assigned for use only by that specific employee. This vehicle or piece of equipment will be marked from the outside such that other employees know not to use it;
- An independent restroom area that is not part of any common areas where multiple employees would enter the restroom. This restroom will be marked such that other employees know not to enter the space;
- An alternate space for the employee to take a lunch break, separated from other employees; and
- Contactless interaction when working with vendors, members of the public or other District staff.

3.2. Social Distancing

3.2.1. General Social Distancing Guidelines

Until Phase 5, employees are expected to maintain 6-foot social distancing per IDPH recommendations when possible and should not shake hands with each other or with visitors.

When entering hallways inside of buildings or in tunnels, employees should announce themselves and also check the new wall-mounted and ceiling-mounted bubble mirrors (when available) to avoid an unexpected close-encounter with another staff member.

Until Phase 5, foot traffic between the Administration Center building and the plant should be limited to only essential visits. If you work at the plant and are expecting a delivery,

please coordinate with your supervisor so that the trips to the Administration Center for deliveries are minimized. See Section 3.2.6 for additional social distancing guidance for the Administration Center.

3.2.2. Meetings

During Phase 1, Phase 2, and Tier 3:

• In-person group meetings should not occur. Staff should use virtual options instead (i.e.: Zoom, conference calls, etc.).

During Phase 3 and Tier 2:

Outdoor in-person meetings of ten people or less may occur.

During Tier 1:

• Outdoor in-person meetings of twenty-five people or less may occur.

During Phase 4:

- Outdoor in-person meetings of fifty people or less may occur.
- Indoor meetings may be allowed in the Admin Center Board Room limited to a maximum of 12 people for the sole purpose of holding meetings for the Board of Trustees and Board of Local Improvements.
- Employees may attend professional meetings, seminars, or training events upon the approval of their Supervisor after confirming appropriate safety measures are being administered at the location of the meeting.

During Bridge to Phase 5:

- Outdoor in-person meetings of 100 people or less may occur.
- Indoor meetings may occur at the following locations at the following maximum number of people:
 - Admin Center Board Room: 16 people.
 - o MSB Garage: 40 people (without tables).
 - MSB Lunchroom: 16 people (when no tables present).
 - Net-Zero Energy Building: 6 people.
- Employees may attend professional meetings, seminars, or training events upon the approval of their Supervisor after confirming appropriate safety measures are being administered at the location of the meeting.

Employees should continue to follow general social distancing guidelines for all in-person group meetings in Phases 3 or 4 and Tiers 2 or 1. Employees and meeting guests must also follow all applicable mask restrictions that may be required under Section 5 below. When possible, indoor meetings should be limited to an hour or less. If a virtual meeting is feasible rather than a face to face meeting during Phases 3 or 4, Bridge to Phase 5, or Tiers 2 or 1 the virtual meeting format should still be used.

3.2.3. Locker Rooms & Restrooms

The men's locker room in the WWTC MSB will have doors marked as "in" and "out" to keep foot traffic moving in one direction. Employees should keep maximum occupancy of the men's locker room to four (4) people at a time, as long as the occupants can maintain a 6 foot distance from each other. This maximum occupancy includes people using the shower and toilet.

The ladies locker room in the MSB should keep capacity at one person at a time. Likewise, the ladies restroom in the Administration Center should be used by one person at a time. This can be accomplished by treating these two rooms as single occupancy spaces and locking the door while inside.

3.2.4. Time Clocks

At the time clocks, employees should wait at a 6-foot distance behind the employee in line ahead of them until they have completed their use of the time clock and have moved on. The time clock in the MSB has been relocated from the hallway to the southeast corner of the garage to allow for more physical spacing between employees.

3.2.5. Lunchrooms (for Eating)

In the MSB lunchroom, capacity should be limited to five (5) people at any one time. This 5-person maximum includes allowance for 4 people seated at the table, and one person using the sink/microwave or getting coffee and other supplies out of the back room. Additional tables will be set up in the Net-zero Education Center for two (2) people to eat, one person per table. Designated locations will be marked at each table and all other chairs will be removed in order to provide social distancing while eating. Employees may also use the picnic table outside, one person at a time. Systems staff may continue to eat at the table in the Systems Garage with a maximum of two (2) people at the table, seated at opposite ends. Lunch times should be staggered to allow proper distancing to occur.

Employees who work in the Administration Center and want to eat lunch on-site should plan to eat in the board room. Maximum lunch capacity in the board room will be four (4) people to allow for 6-feet of physical distance between employees who must take their masks off in order to eat. The basement lunchroom table will be available for overflow of employees to eat, but this situation should be avoided whenever possible to allow the basement lunchroom's fridge and microwave to remain accessible to all employees.

The District has created outdoor covered eating areas to expand lunch time or meeting locations during nicer weather. Employees using outdoor eating or meeting areas must also allow 6-feet of physical distance between themselves and others.

3.2.6. Office Spaces

In all District office spaces throughout the Administration Center and WWTC, capacity is limited to one (1) person at any one time. The Operations Center communal space (i.e. room where the large SCADA screen is located) has a capacity limit of two (2) people working in the space at any one time and one (1) person using the space temporarily for passing through for a total of three (3).

All employees should keep their personal conversations with employees "popping in" to the office or "in passing" to a minimum to maintain social distancing and also so as not to delay an employee from exiting the office and/or taking up capacity unnecessarily.

3.3. District Vehicles

Until Phase 5, employees who must still use DGSD vehicles during the pandemic will use them alone, without a passenger. The term "vehicles" includes cars, trucks, commercial motor vehicles, tractors, skid steers, loaders, golf carts, and forklifts. It will be the supervisor's discretion to allow two employees to ride in the same vehicle in an emergency situation. If this ever were the case, both employees must wear masks.

Each DGSD vehicle has been supplied a bottle of alcohol-based hand sanitizer and a bottle of alcohol-based sanitizing spray, each labeled with vehicle number. These bottles should not be thrown away when empty but should instead be refilled from the larger containers of hand sanitizer and alcohol located in the MSB lunchroom and in the Administration Center board room.

Employees using a shared District vehicle need to use the alcohol spray to sanitize the vehicle before and after use. This cleaning may be focused on the area's which the employee will touch or breathe on, such as door handles, the steering wheel, driver's seat, and dashboard.

3.4. Sewer System Backup Response

Technicians should speak with residents via phone instead of ringing their doorbell. Technicians should submit their backup reports electronically via email or text instead of dropping paperwork in the office. Handwritten paperwork can be scanned with a smart phone using the Adobe Scan App in order to submit it electronically.

Paperwork dispersal between the office and Sewer Systems Staff should be done from the clipboard at the backdoor of the Administration Center.

3.5. Inspections of Contractor Work and BSSRAP-OHSP Inspections

Upon the actual site inspection visit, DGSD inspectors/Technicians should ask that the areas be cleared of non-essential contractor personnel or occupants (except for the necessary contact person) during the inspection. In addition, a questionnaire is included as Attachment C

for staff to use with each of these interactions ensuring that District staff can avoid having contact with anyone who has tested positive for COVID-19. These forms should be stored in a file in the Administration Center. DGSD inspectors should wear an N95 mask if they must enter a building. Technicians entering a resident's home to perform a BSSRAP/OHSP inspection must wear coveralls, gloves, an N95 mask, and protective eyewear. At the inspector's/technician's discretion, the inspection will proceed only if the inspector/technician is comfortable in performing the inspection based upon site conditions and persons present.

Paperwork dispersal between the office and inspector should be done from the clipboard at the backdoor of the Administration Center.

For bid construction work requiring inspections of the Contractor's work, the Contract Documents will include the following or similar language:

"Contractor shall follow all protocols in the State of Illinois Restore Illinois plan for the current Phase or Tier that DuPage County (i.e., Region 8) is in at the time the work is being performed. During any Phase or Tier other than Phase 5, the Contractor shall take the measures provided herein to make a safe environment every time the Contractor or a Subcontractor needs to interact in-person with the Owner's Representative, any other Owner personnel or the Owner's engineering subconsultant throughout the course of the Construction work. The Contractor's designated safety officer or representative shall fill out the Owner's online visitor form weekly collectively representing all Contractor employees, Subcontractor employees or anyone else associated with the Contractor's work that will be on site that week. The form may be accessed through this link: https://www.dgsd.org/visitor-safety-form/. Should any question be answered in the affirmative, the Owner's Representative will follow up with the Contractor's safety officer to determine what, if any, measures are required to isolate that individual or individuals from the Owner's personnel/representatives. Prior to inspection of the work, Contractor shall clear the area to be inspected of all non-essential persons. Any Contractor employee or Subcontractor employee that is essential to the inspection shall wear a mask and maintain at least six feet between his/her person and the Owner's Representative. The inspection will only proceed if the Owner's Representative is comfortable in performing the inspection based upon site conditions and persons present."

In addition, anyone attending the Pre-Construction or progress meetings, if held in-person, will be required to submit fill out the online visitor form 12 – 24 hours prior to attending the meeting.

3.6. Biosolids

Biosolids deliveries can be made in Phase 3, Tier 3, Tier 2, Tier 1, and Phase 4 and Bridge to Phase 5. Administration Center staff should place the completed request forms on a clipboard at the backdoor of the Administration Center. The Operations Supervisor may implement other measures as appropriate to protect DGSD employees.

3.7. Customers at Administration Center

The DGSD Administration Center will be temporarily closed to foot traffic from the public during Phase 1, Phase 2, and Tier 3. During Phase 1, Phase 2 and Tier 3, all work serving the public should be performed via phone and email instead of in-person whenever practical. Some examples of appropriate in-person transactions during the Phase 1, Phase 2, and Tier 3 include receipt of packages, accessing bulk mail and drop boxes, and emergency inspections. Additional safety measures shall be implemented in these situations such as: use of gloves to handle mail, following social distancing guidelines between DGSD staff members, donning facemasks, etc.

The Administration Center will be open to customers during Phase 3, Tier 2, Tier 1, Phase 4 and Bridge to Phase 5. The office hours for customers will be 10am-noon and 1pm-3pm Monday through Thursday. These hours are subject to change based on recommendations from local health authorities. Safety guidelines must be followed for customers to enter, which are detailed in the door sign in Attachment D. When the Administration Center reopens to customers and until Phase 5 is reached, only one customer will be allowed at the counter at a time. Other customers must wait outside until it is their turn. The exception to this would be members of the same family (e.g. husband and wife coming in together to sign documents). Until Phase 5, all customers over the age of 2 entering the Administration Center will be required to wear a mask and to remain on the opposite side of the front counter's plexiglass partition from DGSD staff.

During the pandemic, customers will not be allowed to utilize the employee restrooms in the Administration Center.

3.8. Visitors/Contractors

Due to the nature of our business, it is possible that certain non-employees must still enter the DGSD Wastewater Treatment Center (WWTC), Administration Center, and Lift Stations during a pandemic. Until Phase 5, all vendors, contractors and visitors entering our facilities must fill out the DGSD online visitor form, which is located on the DGSD website (click link here), and their visit will be approved based on their responses. The form asks guestions such as:

- Duration of visit
- Vaccination status
- Symptoms
- Exposure to Covid positive individuals
- Travel to high risk areas

Submission of the form sends an automatic email notification to the DGSD host. Employees may verify this form has been properly completed by a visitor by asking their supervisor.

Employees who are hosting a non-DGSD person at a DGSD facility need to forward the memo provided in Attachment E to the party and ensure that the party has filled out the online form prior to allowing them to enter DGSD facilities.

All visitors are required to wear a facemask and practice social distancing per the same guidelines as employees.

WWTC restrooms shall be closed to non-employees. Alternate restroom facilities (i.e. a port-apotty) have been set up outside building K for non-employees.

Contractors or other non-employees will not be allowed to use the DGSD lunchrooms or other designated eating spaces.

Employees are authorized on behalf of the District to enforce these guidelines with our visitors. Employees that observe visitors not following these guidelines should ask them immediately to comply or leave.

3.9. Plant Tours

Plant Tours may occur only during Phase 4 and Bridge to Phase 5. Plant tours may occur under the following conditions:

- The DGSD tour guide must be fully vaccinated during Phase 4.
- Maximum group size is 8 visitors plus one DGSD tour guide.
- All tour participants need to wear masks and practice social distancing throughout the tour.
- The tour will be outdoors only. No visitors will be permitted inside the buildings.
- Videos which are normally watched in the Net Zero Education Center can be provided to the group in advance.
- Tour participants may not use the District restrooms or sinks.
- The online visitor form will need to be completed by each participant 12 24 hours prior to attending. If a tour participant is a minor, the form will need to be completed by a parent/guardian.

4. Hand Washing and Hygiene

As a wastewater treatment center, DGSD employees are accustomed to frequent hand washing. Staff should continue to wash their hands for at least 20 seconds with soap and water frequently throughout the day but especially:

- At the beginning and end of their shift;
- Before and after eating; and
- After using the restroom.

In areas where clean running water is not available, such as in DGSD vehicles, hand sanitizer containing at least 60% alcohol has been provided. The DGSD Lab will make additional hand sanitizer when needed. Each supervisor has a large bottle of DGSD lab-made hand sanitizer. Employees may refill smaller bottles from their supervisor's bottle. When doing so, the smaller bottle must be labeled to indicate the ingredients. Printed labels are available stating the ingredients of the DGSD lab-made hand sanitizer recipe. Please see your supervisor if you need such a label.

Employees should always avoid touching their face with unwashed hands.

Until Phase 5, employees and visitors should not use personal water bottles, mugs, glasses, etc. when getting water from the water coolers. Disposable cups are provided at the water coolers which may be used for either hot or cold drinks.

5. PPE (Personal Protective Equipment)

As a wastewater treatment center, DGSD staff is accustomed to wearing PPE to protect themselves from exposure to wastewater. DGSD employees should continue to use their usual PPE. Additional PPE has been provided for the duration of the pandemic.

- N95 Masks DGSD staff should wear N95 masks whenever performing tasks that could involve raw wastewater where wearing a face shield is not possible. During these tasks, protective eyewear should also be worn. Inspectors and systems staff should wear N95 masks if they must enter a resident's home.
- Clear Face Shields DGSD staff should wear clear face shields whenever performing tasks where raw wastewater could be splashed in the face, mouth, nose or eyes.
- Fabric Masks DGSD staff must wear fabric masks any time they are inside of a DGSD building and any time they are outside and cannot maintain a 6 foot social distance from other people. A set of five fabric masks have been provided for each employee, however if employees have another fabric mask they prefer they are welcome to wear it at work provided it meets the guidelines set by IDPH. Employees are responsible for washing their own fabric face masks at home. Washable masks should not be worn more than a day before being laundered.
 - Note: Fabric masks may be removed in the showers, in order to eat in the lunchrooms, and momentarily while alone and separated from others in order to take a drink.
- Disposable Masks Should an employee forget their fabric mask at home, the employee should request a disposable mask from their supervisor. Disposable masks should be thrown away after being worn for an eight-hour work day.

Gloves - WWTC and Sewer Systems staff should continue to use their gloves as always.
 Disposable gloves have been added to the Administration Center for handling mail and packages.

Note: As many employees are not accustomed to wearing masks, it is recommended that staff take a short break once per hour or as needed to step outside and remove their mask. This is especially important in the warm summer months.

6. Cleaning and Disinfecting

DGSD's contracted cleaning crew will be cleaning the Administration Center three (3) times a week, MSB lunchroom, restrooms, offices, and hallways two (2) times a week, and Laboratory floors and restrooms two (2) times a week. Until Phase 5, the DGSD Building and Grounds crew will be providing additional disinfection of counters, doorknobs, handles, and faucets each morning before the first shift begins. In addition, the crew will disinfect the drop box at the Administration Center.

DGSD staff is expected to disinfect shared items such as printers, copiers, and hand tools both before and after use. Sanitizing wipes or sanitizing spray with paper towels will be provided near shared items for this purpose.

DGSD employees utilizing designated eating spaces (lunch rooms, board room, Net Zero education center, Systems Garage) should clean the eating area before and after eating. Sanitizing wipes or sanitizing spray with paper towels will be provided in eating areas for this purpose.

On days when the Administration Center is open, the front counter and front door handles/knobs at the Administration Center will be cleaned by a staff member of Building and Grounds prior to 10am opening (as part of early morning routine disinfection). Administration Center staff shall disinfect the front counter between customers, when practical.

In addition to these cleaning and disinfection protocols, employee are expected to follow other sections of this document that relate to cleaning and disinfection of District facilities and vehicles.

7. Travel

As stated by the CDC, "Travel increases your chance of getting and spreading COVID-19. CDC recommends that you do not travel at this time. **Delay travel and stay home to protect yourself and others from COVID-19.**" Overnight business-related travel for employees will not occur until the Bridge to Phase 5. Per the Restore Illinois Plan attached as Attachment A, non-essential travel is discouraged during Phases 1 and 2. During Phases 3, 4, and Bridge to Phase 5, employees are encouraged to check the CDC's travel advisory page, the US Department of State travel advisory page, and the City of Chicago's Emergency Travel Order Page for recommendations and potential bans related to non-essential travel during the COVID-19 pandemic. Travel advisories can change

frequently as the pandemic situation evolves, the District will attempt to provide periodic updates to employees with timely information, but ultimately it is the employee's responsibility to remain apprised of any changes. In the event an employee wishes to pursue out-of-state travel, they must follow the following process:

Quarantine Determination Steps

- (1) Has the employee been fully vaccinated or been diagnosed with COVID-19 within three months of their intended travel return date?
 - a. If Yes, the employee does not need to quarantine upon returning from travel so long as they are not exhibiting COVID-19 symptoms.
 - b. If No, proceed to Step 2.
- (2) Will the employee be using public transportation at any point during the travel (including, but not limited to, buses, trains, commercial airlines, boats, etc.)?
 - a. If Yes, the employee will complete the quarantine period as defined in Section 2.1 above before returning to work.
 - b. If No, proceed to Step 3.
- (3) Has the employee already determined they will be quarantining after returning from travel?
 - a. If Yes, the employee will complete the quarantine period as defined in Section 2.1 above before returning to work.
 - b. If No, proceed to Step 4.
- (4) The employee should consult their supervisor or the Safety Coordinator to complete the District's Pre-Travel Checklist prior to travelling in order to determine whether a quarantine is appropriate upon their return from such travel.

This Pre-Travel Checklist may contain, but is not limited to, the following:

- the employee's intended destination(s);
- if the employee's traveling companions live in the same household as the employee;
- infection rates in the destination at the intended time of travel; and
- whether the employee is planning to attend any events or gatherings throughout the travel period.

As part of this determination, their supervisor shall work with the District's Safety Coordinator to determine the appropriate quarantine measures that need to be taken as specified in Section 2.1 above in order to protect other employees, vendors, and the public.

If during the employee's travel, any of the items covered by the Pre-Travel Checklist changes (e.g. the employee decides to take a tour using public transportation at their destination), upon the employee's return from travel and prior to reporting for duty in-person, the employee must notify their supervisor of the change and assess if there should be a change to the pre-travel quarantine determination.

8. Events and Gatherings

A "gathering" refers to a planned or spontaneous event, indoors or outdoors, with a small number of people participating or a large number of people in attendance such as a community event or gathering, concert, festival, conference, parade, wedding, or sporting event. The following factors should be considered prior to attending a gathering:

- The more people an individual interacts with at a gathering and the longer that interaction lasts, the higher the potential risk of becoming infected with COVID-19 and COVID-19 spreading;
- The higher the level of community transmission in the area that the gathering is being held, the higher the risk of COVID-19 spreading during a gathering; and
- The size of an event or gathering should be determined based on state, local, territorial or tribal safety laws and regulations.

If an employee attends a gathering where it is difficult for individuals to remain spaced at least 6 feet apart during the gathering or attendees travel from outside the local area, the employee must notify their supervisor prior to reporting for duty in-person in order for the District to determine whether a quarantine is appropriate after attending the gathering. The employee's supervisor shall work with the District's Safety Coordinator to determine the appropriate quarantine measures that need to be taken as specified in Section 2.1 above in order to protect other employees, vendors, and the public.

9. Revisions to the Plan

The COVID-19 situation is one that is fluid and constantly evolving. The District will continue to evaluate the effectiveness of its efforts to minimize the spread of COVID-19 amongst its employees, visitors to our facilities, and the public we serve. From time to time, the District will revise this Plan as needed in order to continue to best protect our organization and continue to provide essential public service.

Attachment A - Restore Illinois Plan

(17 page PDF follows)

RESTORE ILLINOIS

A Public Health Approach To Safely Reopen Our State

Office of the Governor JB Pritzker

May 5, 2020

RESTORE ILLINOIS

A Public Health Approach To Safely Reopen Our State

Phase 1 Rapid Spread	Phase 2 Flattening	Phase 3 Recovery	Phase 4 Revitalization	Phase 5 Illinois Restored
Strict stay at home and social distancing guidelines are put in place, and only essential businesses	Non-essential retail stores reopen for curb-side pickup and delivery.	Manufacturing, offices, retail, barbershops and salons can reopen to the public with capacity and	Gatherings of 50 people or fewer are allowed, restaurants and bars reopen, travel resumes, child	The economy fully reopens with safety precautions continuing. Conventions, festivals and large events are permitted, and all businesses, schools and places of recreation can open with new safety guidance and
remain open. Every region has experienced this phase once already and could return to it if mitigation efforts are unsuccessful.	Illinoisans are directed to wear a face covering when outside the home and can begin enjoying additional outdoor activities like golf, boating & fishing while	other limits and safety precautions. Gatherings of 10 people or fewer are allowed. Face coverings and	care and schools reopen under guidance from the Illinois Department of Public Health. Face coverings and social distancing are	
	practicing social distancing.	social distancing are the norm.	the norm.	procedures.

New case growth slows

Surge hospital capacity

10,000 tests per day statewide

Testing for any symptomatic health care workers and first responders

Case positivity rate and hospital capacity benchmarks met

> Testing for patients, health care workers and at-risk residents

Begin contact tracing and monitoring within 24 hours of diagnosis Case positivity rate and hospital capacity benchmarks met

Testing available regardless of symptoms or risk factors

Contact tracing within 24 hours of diagnosis for more than 90% of cases

Post-pandemic:

Vaccine, effective and widely available treatment, or the elimination of new cases over a sustained period of time through herd immunity or other factors



From the beginning of the new coronavirus pandemic, Illinois' response has been guided by data, science, and public health experts. As community spread rapidly increased, Governor Pritzker moved quickly to issue a Disaster Proclamation on March 9, restrict visitors to nursing homes on March 11, close bars and restaurants for on-site consumption on March 16, move schools to remote learning on March 17, and issue a Stay at Home order on March 21. This virus has caused painful, cascading consequences for everyone in Illinois, but the science has been clear: in the face of a new coronavirus with unknown characteristics and in the absence of widespread testing availability and contact tracing, mitigation and maintaining a 6-foot social distance have been the only options to reduce the spread and save as many lives as possible.

Millions of Illinoisans working together by staying at home and following experts' recommendations have proven these mitigation and social distancing measures effective so far. The result has been a lower infection rate, fewer hospitalizations, and lower number of fatalities than projected without these measures. Our curve has begun to flatten. Nevertheless, the risk of spread remains, and modeling and data point to a rapid surge in new cases if all mitigation measures were to be immediately lifted.

Now that Illinois is bending the curve, it is vitally important that we follow a safe and deliberate path forward to get our Illinois economy moving. That path forward is not what everyone wants or hopes for, but it will keep Illinoisans as safe as possible from this virus as our economy is reopening.

Restore Illinois is about saving lives and livelihoods. This five-phased plan will reopen our state, guided by health metrics and with distinct business, education, and recreation activities characterizing each phase. This is an initial framework that will likely be updated as research and science develop and as the potential for treatments or vaccines is realized. The plan is based upon regional healthcare availability, and it recognizes the distinct impact COVID-19 has had on different regions of our state as well as regional variations in hospital capacity. The Illinois Department of Public Health (IDPH) has 11 Emergency Medical Services Regions that have traditionally guided its statewide public health work and will continue to inform this reopening plan. For the purposes of this plan, from those 11, four health regions are established, each with the ability to independently move through a phased approach: Northeast Illinois; North-Central Illinois; Central Illinois; and Southern Illinois.

The five phases for each health region are as follows:

Phase 1 - Rapid Spread: The rate of infection among those tested and the number of patients admitted to the hospital is high or rapidly increasing. Strict stay at home and social distancing guidelines are put in place and only essential businesses remain open. Every region has experienced this phase once already, and could return to it if mitigation efforts are unsuccessful.

Phase 2 - Flattening: The rate of infection among those tested and the number of patients admitted to the hospital beds and ICU beds increases at an ever slower rate, moving toward a flat and even a downward trajectory. Non-essential retail stores reopen for curb-side pickup and delivery. Illinoisans are directed to wear a face covering when outside the home and can begin enjoying additional outdoor activities like golf, boating and fishing while practicing social distancing. To varying degrees, every region is experiencing flattening as of early May.

Phase 3 - Recovery: The rate of infection among those surveillance tested, the number of patients admitted to the hospital, and the number of patients needing ICU beds is stable or declining. Manufacturing, offices, retail, barbershops and salons can reopen to the public with capacity and other limits and safety precautions. Gatherings limited to 10 people or fewer are allowed. Face coverings and social distancing are the norm.

Phase 4 - Revitalization: The rate of infection among those surveillance tested and the number of patients admitted to the hospital continues to decline. Gatherings of 50 people or fewer are allowed, restaurants and bars reopen, travel resumes, child care and schools reopen under guidance from the Illinois Department of Public Health. Face coverings and social distancing are the norm.

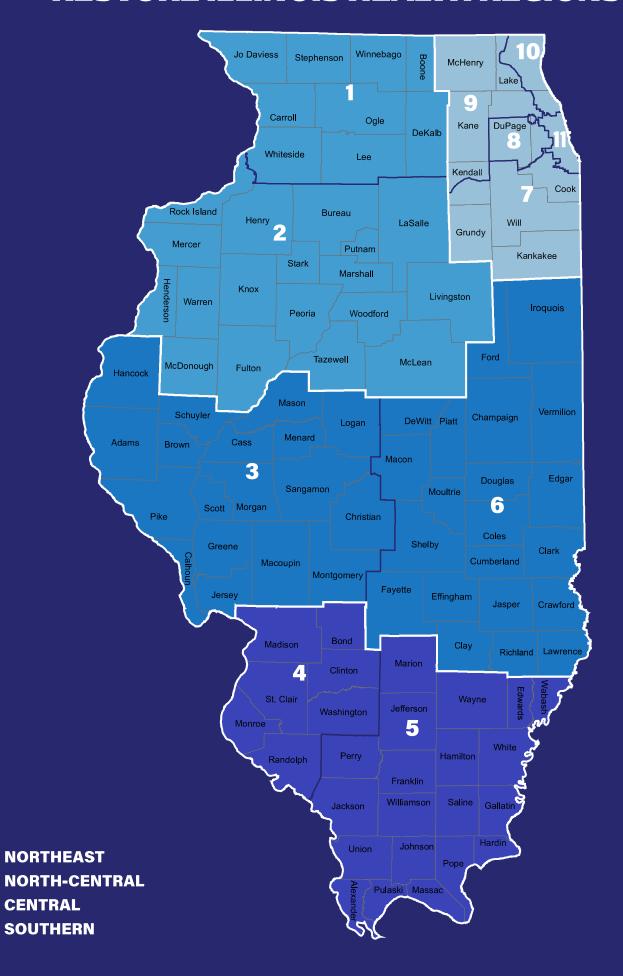
Phase 5 - Illinois Restored: With a vaccine or highly effective treatment widely available or the elimination of any new cases over a sustained period, the economy fully reopens with safety precautions continuing. Conventions, festivals and large events are permitted, and all businesses, schools and places of recreation can open with new safety guidance and procedures in place reflecting the lessons learned during the COVID-19 pandemic.

Until COVID-19 is defeated, this plan also recognizes that just as health metrics will tell us it is safe to move forward, health metrics may also tell us to return to a prior phase. With a vaccine or highly effective treatment not yet available, IDPH will be closely monitoring key metrics to immediately identify trends in cases and hospitalizations to determine whether a return to a prior phase may become necessary.

All public health criteria included in this document are subject to change.

As research and data on this novel coronavirus continue to develop, this plan can and will be updated to reflect the latest science and data.

RESTORE ILLINOIS HEALTH REGIONS



Phase 1: Rapid Spread

WHAT THIS PHASE LOOKS LIKE

COVID-19 is rapidly spreading. The number of COVID-19 positive patients in the hospital, in ICU beds, and on ventilators is increasing. The public health response relies on dramatic mitigation measures, like stay at home orders and social distancing, to slow the spread of the virus and prevent a surge that overwhelms the health care system. With a Stay at Home order in place, only essential businesses are in operation and activities outside of the home are limited to essentials, like grocery shopping.

WHAT'S OPEN?

Gatherings: Essential gatherings, such as religious services, of 10 or fewer allowed; No non-essential gatherings of any size

Travel: Non-essential travel discouraged

Health care: Emergency procedures and COVID-19 care only

Education and child care: Remote learning in P-12 schools and higher education; Child care in groups of 10 or fewer for essential workers

Outdoor recreation: Walking, hiking and biking permitted; State parks closed

Businesses:

- Manufacturing: Essential manufacturing only
- "Non-essential" businesses: Employees of "non-essential" businesses are required to work from home except for Minimum Basic Operations
- Bars and restaurants: Open for delivery, pickup and drive-through only
- Entertainment: Closed
- Personal care services and health clubs: Closed
- Retail: Essential stores are open with strict restrictions; Non-essential stores are closed

HOW WE MOVE TO THE NEXT PHASE

Cases and Capacity:

- Slowing of new case growth
- Availability of surge capacity in adult medical and surgical beds, ICU beds, and ventilators

Testing:

- Ability to perform 10,000 tests per day statewide
- Testing available in region for any symptomatic health care workers and first responders

Phase 2: Flattening

WHAT THIS PHASE LOOKS LIKE

The rise in the rate of infection is beginning to slow and stabilize. Hospitalizations and ICU bed usage continue to increase but are flattening, and hospital capacity remains stable. Face coverings must always be worn when social distancing is not possible. Testing capacity increases and tracing programs are put in place to contain outbreaks and limit the spread.

WHAT'S OPEN

Gatherings: Essential gatherings, such as religious services, of 10 or fewer allowed; No non-essential gatherings

Travel: Non-essential travel discouraged

Health care: Emergency and COVID-19 care continue; Elective procedures allowed once IDPH criteria met

Education and child care: Remote learning in P-12 schools and higher education; Child care in groups of 10 or fewer for essential workers

Outdoor recreation: Walking, hiking, and biking permitted; Select state parks open; Boating and fishing permitted; Golf courses open; All with IDPH approved safety guidance

Businesses:

- Manufacturing: Essential manufacturing only
- "Non-essential" businesses: Employees of "non-essential" businesses are required to work from home except for Minimum Basic Operations
- Bars and restaurants: Open for delivery, pickup, and drive through only
- Personal care services and health clubs: Closed
- Retail: Essential stores are open with restrictions; Non-essential stores open for delivery and curbside pickup

HOW WE MOVE TO THE NEXT PHASE

Cases and Capacity: The determination of moving from Phase 2 to Phase 3 will be driven by the COVID-19 positivity rate in each region and measures of maintaining regional hospital surge capacity. This data will be tracked from the time a region enters Phase 2, onwards.

- At or under a 20 percent positivity rate and increasing no more than 10 percentage points over a 14-day period, AND
- No overall increase (i.e. stability or decrease) in hospital admissions for COVID-19-like illness for 28 days, AND
- Available surge capacity of at least 14 percent of ICU beds, medical and surgical beds, and ventilators

Testing: Testing available for all patients, health care workers, first responders, people with underlying conditions, and residents and staff in congregate living facilities

Tracing: Begin contact tracing and monitoring within 24 hours of diagnosis

WHAT COULD CAUSE US TO MOVE BACK

IDPH will closely monitor data and receive on-the-ground feedback from local health departments and regional healthcare councils and will recommend moving back to the previous phase based on the following factors:

- Sustained rise in positivity rate
- Sustained increase in hospital admissions for COVID-19 like illness
- Reduction in hospital capacity threatening surge capabilities
- Significant outbreak in the region that threatens the health of the region

Phase 3: Recovery

WHAT THIS PHASE LOOKS LIKE

The rate of infection among those surveillance tested is stable or declining. COVID-19-related hospitalizations and ICU capacity remains stable or is decreasing. Face coverings in public continue to be required. Gatherings of 10 people or fewer for any reason can resume. Select industries can begin returning to workplaces with social distancing and sanitization practices in place. Retail establishments reopen with limited capacity, and select categories of personal care establishments can also begin to reopen with social distancing guidelines and personal protective equipment. Robust testing is available along with contact tracing to limit spread and closely monitor the trend of new cases.

WHAT'S OPEN

Gatherings: All gatherings of 10 people or fewer are allowed with this limit subject to change based on latest data & guidance

Travel: Travel should follow IDPH and CDC approved guidance

Health Care: All health care providers are open with DPH approved safety guidance

Education and child care: Remote learning in P-12 schools and higher education; Limited child care and summer programs open with IDPH approved safety guidance

Outdoor recreation: State parks open; Activities permitted in groups of 10 or fewer with social distancing

Businesses:

- **Manufacturing:** Non-essential manufacturing that can safely operate with social distancing can reopen with IDPH approved safety guidance
- "Non-essential" businesses: Employees of "non-essential" businesses are allowed to return to work with IDPH approved safety guidance depending upon risk level, tele-work strongly encouraged wherever possible; Employers are encouraged to provide accommodations for COVID-19-vulnerable employees
- Bars and restaurants: Open for delivery, pickup, and drive through only
- **Personal care services and health clubs:** Barbershops and salons open with IDPH approved safety guidance; Health and fitness clubs can provide outdoor classes and one-on-one personal training with IDPH approved safety guidance
- Retail: Open with capacity limits and IDPH approved safety guidance, including face coverings

HOW WE MOVE TO THE NEXT PHASE

Cases and Capacity: The determination of moving from Phase 3 to Phase 4 will be driven by the COVID-19 positivity rate in each region and measures of maintaining regional hospital surge capacity. This data will be tracked from the time a region enters Phase 3, onwards.

- At or under a 20 percent positivity rate and increasing no more than 10 percentage points over a 14-day period, AND
- No overall increase (i.e. stability or decrease) in hospital admissions for COVID-19-like illness for 28 days, AND
- Available surge capacity of at least 14 percent of ICU beds, medical and surgical beds, and ventilators

Testing: Testing available in region regardless of symptoms or risk factors

Tracing: Begin contact tracing and monitoring within 24 hours of diagnosis for more than 90% of cases in region

WHAT COULD CAUSE US TO MOVE BACK

IDPH will closely monitor data and receive on-the-ground feedback from local health departments and regional healthcare councils and will recommend moving back to the previous phase based on the following factors:

- Sustained rise in positivity rate
- Sustained increase in hospital admissions for COVID-19 like illness
- Reduction in hospital capacity threatening surge capabilities
- Significant outbreak in the region that threatens the health of the region

Phase 4: Revitalization

WHAT THIS PHASE LOOKS LIKE

There is a continued decline in the rate of infection in new COVID-19 cases. Hospitals have capacity and can quickly adapt for a surge of new cases in their communities. Additional measures can be carefully lifted allowing for schools and child care programs to reopen with social distancing policies in place. Restaurants can open with limited capacity and following strict public health procedures, including personal protective equipment for employees. Gatherings with 50 people or fewer will be permitted. Testing is widely available, and tracing is commonplace.

WHAT'S OPEN

Gatherings: Gatherings of 50 people or fewer are allowed with this limit subject to change based on latest data and guidance

Travel: Travel should follow IDPH and CDC approved guidance

Health care: All health care providers are open

Education and child care: P-12 schools, higher education, all summer programs, and child care open with IDPH approved safety guidance

Outdoor Recreation: All outdoor recreation allowed

Businesses:

- Manufacturing: All manufacturing open with IDPH approved safety guidance
- "Non-essential" businesses: All employees return to work with IDPH approved safety guidance; Employers
 are encouraged to provide accommodations for COVID-19-vulnerable employees
- Bars and restaurants: Open with capacity limits and IDPH approved safety guidance
- **Personal care services and health clubs:** All barbershops, salons, spas and health and fitness clubs open with capacity limits and IDPH approved safety guidance
- Entertainment: Cinema and theaters open with capacity limits and IDPH approved safety guidance
- Retail: Open with capacity limits and IDPH approved safety guidance

HOW WE MOVE TO THE NEXT PHASE

Post-pandemic: Vaccine, effective and widely available treatment, or the elimination of new cases over a sustained period of time through herd immunity or other factors.

WHAT COULD CAUSE US TO MOVE BACK

IDPH will closely monitor data and receive on-the-ground feedback from local health departments and regional healthcare councils and will recommend moving back to the previous phase based on the following factors:

- Sustained rise in positivity rate
- Sustained increase in hospital admissions for COVID-19 like illness
- Reduction in hospital capacity threatening surge capabilities
- Significant outbreak in the region that threatens the health of the region

Phase 5: Illinois Restored

WHAT THIS PHASE LOOKS LIKE

Testing, tracing and treatment are widely available throughout the state. Either a vaccine is developed to prevent additional spread of COVID-19, a treatment option is readily available that ensures health care capacity is no longer a concern, or there are no new cases over a sustained period. All sectors of the economy reopen with new health and hygiene practices permanently in place. Large gatherings of all sizes can resume. Public health experts focus on lessons learned and building out the public health infrastructure needed to meet and overcome future challenges. Heath care equity is made a priority to improve health outcomes and ensure vulnerable communities receive the quality care they deserve.

WHAT'S OPEN

- All sectors of the economy reopen with businesses, schools, and recreation resuming normal operations with new safety guidance and procedures.
- Conventions, festivals, and large events can take place.

Actions to Combat a Resurgence of COVID-19

UPDATED 1/18/2021

From the onset of the COVID-19 pandemic, Illinois has followed the science and listened to public health experts to keep people safe.

After bending the curve in the spring, Illinois achieved relatively low rates of community spread and hospitalizations in the summer. But amid a nationwide surge, every region of Illinois saw an increase in cases and hospitalizations in the fall, which triggered the regional tiered mitigations outlined in this plan.

As the surge became more severe here in Illinois and across the nation, Governor Pritzker and the Illinois Department of Public Health moved all 11 regions into Tier 3 mitigations, effective November 20, 2020. At the advice of public health experts, including Dr. Anthony Fauci, the mitigations remained in place over the holidays to prevent a "surge upon a surge." With some regions now beginning to make progress, Governor Pritzker announced that any region that has met the metrics for a reduction of mitigations will be able to move out of Tier 3 to less restrictive tiers beginning January 15, 2021.

By operating with consistent and meaningful mitigations throughout the holiday season, Illinois has saved lives, brought down community risk, and set ourselves up to safely reduce these mitigations. This approach has allowed the state to be in its strongest position to combat the virus since the pandemic began, as the administration prepares to proceed with Phase 1B of Illinois' vaccine distribution plan. Illinois also continues to build upon its nation-leading testing operation, surpassing more than 100,000 tests per day. This plan accounts for months of additional research as public health experts reach a greater scientific understanding of this virus. Ultimately, as conditions continue to improve, IDPH will re-classify regions to Tier 2, Tier 1, and back to Phase 4 as they meet the necessary metrics.



Resurgence Mitigations

Original Restore Illinois Plan

Mitigations will be applied or deliberately lifted on a regional basis based on the Emergency Medical Services (EMS) Regions that have traditionally guided IDPH in its statewide public health work, allowing for a more granular approach. These regions follow county lines to account for counties that are in more than one region of the EMS system. The 11 regions are as follows:

- 1. **NORTH:** Boone, Carroll, DeKalb, Jo Daviess, Lee, Ogle, Stephenson, Whiteside, Winnebago
- 2. **NORTH-CENTRAL:** Bureau, Fulton, Grundy, Henderson, Henry, Kendall, Knox, La Salle, Livingston, Marshall, McDonough, McLean, Mercer, Peoria, Putnam, Rock Island, Stark, Tazewell, Warren, Woodford
- 3. **WEST-CENTRAL:** Adams, Brown, Calhoun, Cass, Christian, Greene, Hancock, Jersey, Logan, Macoupin, Mason, Mason, Menard, Montgomery, Morgan, Pike, Sangamon, Schuyler, Scott
- 4. **METRO EAST:** Bond, Clinton, Madison, Monroe, Randolph, St. Clair, Washington
- SOUTHERN: Alexander, Edwards, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jefferson, Johnson, Marion, Massac, Perry, Pope, Pulaski, Saline, Union, Wabash, Wayne, White, Williamson
- EAST-CENTRAL: Champaign, Clark, Clay, Coles, Crawford, Cumberland, De Witt, Douglas, Edgar, Effingham, Fayette, Ford, Iroquois, Jasper, Lawrence, Macon, Moultrie, Piatt, Richland, Shelby, Vermillion
- 7. **SOUTH SUBURBAN:** Kankakee, Will
- 8. **WEST SUBURBAN:** DuPage, Kane
- 9. **NORTH SUBURBAN:** Lake, McHenry
- 10. **SUBURBAN COOK:** Suburban Cook
- 11. CHICAGO: City of Chicago



All public health criteria included in this document are subject to change.

As research and data on this novel coronavirus continue to develop, this plan can and will be updated to reflect the latest science and data.

Actions to Combat a Resurgence of COVID-19

The following resurgence mitigations are in addition to the guidance outlined in Phase 4 of the Restore Illinois Plan:

SETTING	TIER 1	TIER 2	TIER 3
Bars and restaurants	 Indoor service limited to lesser of 25% or 25 persons per room No tables exceeding 4 people indoors Suspend indoor service if not serving food Outdoor, delivery and takeout service continues under updated hours 	 Suspend indoor service Outdoor, delivery and takeout service continues under updated hours No tables exceeding 6 people 	 Suspend indoor service Outdoor, delivery and takeout service continues under updated hours No tables exceeding 6 people
Cultural institutions	Open under Phase 4 rules	Open under Phase 4 rules	Operations paused
Gaming and casinos	Open under Phase 4 rules from Illinois Gaming Board	Open under Phase 4 rules from Illinois Gaming Board	Operations paused
Hotels	Open under Phase 4 rules	 Limited to registered guests Fitness centers closed or operating on reservation model at 25% capacity 	 Limited to registered guests Fitness centers closed or operating on reservation model at 25% capacity
Household gatherings	 Allowed with public health guidelines 	 Limiting to 10 people is encouraged 	 Limiting to household members is encouraged
Indoor fitness classes	Open under Phase 4 rules	 Groups limited to 10, including fitness classes 	Operations paused
Meetings, events and gatherings (excluding in- person school or sports)	Limit to lesser of 25 guests or 25% overall capacity indoors and outdoors	Limit to 10 guests indoors and outdoors	 No gatherings in meeting rooms, banquet halls, party rooms, private clubs, etc. Funerals limited to 10 family members of decedents
Offices	• Open under Phase 4 rules	Open under Phase 4 rules	Remote work encouraged
Organized group recreational activities (fitness centers, sports, etc.)	 Recreation, fitness centers and outdoor activities follow Phase 4 guidance Sports follow measures in the All Sport Guidelines 	 Limit to lesser of 25 guests or 25% overall capacity indoors and outdoors Sports follow measures in the All Sport Guidelines 	 Indoor sports and recreation paused Outdoor sports and recreation, individual training allowed Groups limited to 10 people

IDPH will continue to track the health metrics in all 11 regions and announce tier changes when a region makes progress. Follow the latest regional metrics at dph.illinois.gov/regionmetrics. For more information on guidance for businesses, please visit the FAQ on DCEO's website.

RESTORE ILLINOIS

Health Metrics to Move Between Tiers

Increasing mitigations

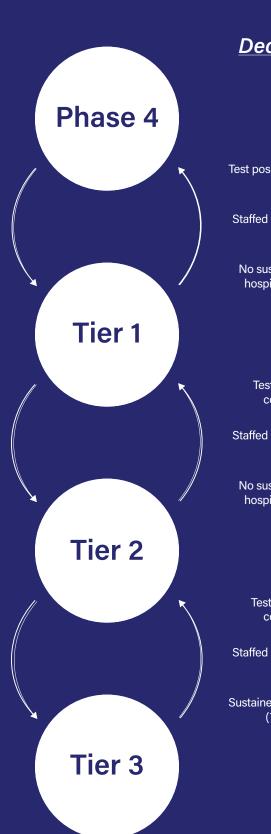
Test positivity rate ≥ 8% for three consecutive days over a 14-day monitoring period (7-day average)

OR

Sustained increase in test positivity rate (7-day average over 7 of 10 days) and either (A)
Sustained increase in COVID patients in hospital (7-day average over 7 of 10 days), or
(B) Staffed ICU beds < 20% for three consecutive days (3-day average)

Test positivity rate between 8% and 12% over a 14-day monitoring period under Tier 1 mitigations (7-day average)

Test positivity rate ≥ 13% for three consecutive days within a 14-day monitoring period under Tier 2 mitigations (7-day average)



Decreasing mitigations

Test positivity rate ≤ 6.5% for three consecutive days (7-day average)

AND

Staffed ICU beds ≥ 20% for three consecutive days (3-day average)

AND

No sustained increase in COVID patients in hospital (7-day average over 7 of 10 days)

Test positivity rate below 8% for three consecutive days (7-day average)

AND

Staffed ICU beds ≥ 20% for three consecutive days (3-day average)

AND

No sustained increase in COVID patients in hospital (7-day average over 7 of 10 days)

Test positivity rate below 12% for three consecutive days (7-day average)

AND

Staffed ICU beds ≥ 20% for three consecutive days (3-day average)

AND

Sustained decline in COVID patients in hospital (7-day average over 7 of 10 days)

A Bridge to Phase 5

As more of our residents receive the COVID-19 vaccine, Illinois will operate with a metrics-based pathway toward the fifth and final phase of the Restore Illinois reopening plan, in which all sectors of the economy reopen with businesses and recreation resuming normal operations, and where conventions, festivals, and large events can take place.

Following recommendations from public health experts, Illinois will move forward with a dial-like approach between the mitigations in Phase 4, which currently apply to the entire state, and the post-pandemic new normal of Phase 5. This Bridge to Phase 5 will allow for higher capacity limits and increased business operations, before public health experts tell us it is safe to move to the new normal that Phase 5 will bring.

Like the prior evidenced-based approaches to deliberately lift mitigations that have kept us safe and saved lives, this gradual path to Phase 5 will protect the progress we've made while allowing us to reopen the economy.

Once 70% of residents 65 and older have been vaccinated and barring any reversals in our COVID-19 hospitalizations and deaths for a 28-day monitoring period, the Bridge to Phase 5 will begin with increased capacity limits in both indoor and outdoor settings. Once 50% of residents 16 and older have been vaccinated and stable or declining COVID-19 metrics are recorded during a 28-day monitoring period, Phase 5 will be implemented, removing capacity limits altogether. All regions of the state will move through these next phases together based on statewide metrics.

While regulations are rolled back gradually, Illinoisans should continue following the public health guidelines that have kept us safe during the pandemic, like wearing a mask in public and social distancing.

Additionally, this updated guidance establishes new capacity limits for settings determined by risk level. In an update to current Phase 4 mitigations, individuals with proof of full vaccination — defined as 14 days after receiving a final vaccine dose — or a negative COVID-19 test (PCR) 1-3 days prior to an event do not count against capacity limits. Following the latest studies on virus transmission, lower risk activities that were either not permitted or allowed at a lower capacity have been expanded in Phase 4.

SETTING	PHASE 4	BRIDGE	PHASE 5
Dining	Seated areas: Patrons ≥ 6 feet apart; parties ≤ 10 Standing areas: 25% capacity	Seated areas: Patrons ≥ 6 feet apart; parties ≤ 10 Standing areas: 30% capacity indoors; 50% capacity outdoors	N O
Health and fitness	50% capacity Group fitness classes of 50 or fewer indoors or 100 or fewer outdoors *	60% capacity Group fitness classes of 50 or fewer indoors or 100 or fewer outdoors	L I
Offices	50% capacity	60% capacity	M I
Personal care	50% capacity	60% capacity	T S
Retail and service counter	50% capacity	60% capacity	

SETTING	PHASE 4	BRIDGE	PHAS
Amusement parks	25% capacity *	60% capacity	
Festivals and general admission outdoor spectator events	15 people per 1,000 sq. ft. *	30 people per 1,000 sq. ft.	
Flea and farmers markets	25% capacity or 15 people per 1,000 sq. ft.	Indoor: 15 people per 1,000 sq. ft. Outdoor: 30 people per 1,000 sq. ft.	
Film production	50% capacity	60% capacity	
Meetings, conferences and conventions	Venue with capacity < 200 persons: Lesser of 50 people or 50% capacity * Venue with capacity ≥ 200 persons: Lesser of 250 people or 25% capacity *	Lesser of 1,000 people or 60% capacity ^	N O C A
Museums	25% capacity	60% capacity	Р
Recreation	Indoor: Lesser of 50 people or 50% capacity Outdoor: Maximum groups of 50; multiple groups permissible	Indoor: Lesser of 100 people or 50% capacity Outdoor: Maximum groups of 100; multiple groups permissible	A C I T
Social events	Indoor: Lesser of 50 people or 50% capacity * Outdoor: Lesser of 100 people or 50% capacity *	Indoor: 250 people Outdoor: 500 people	Y L I
Spectator events (ticketed and seated)	Indoor venue with capacity < 200 people: Lesser of 50 people or 50% capacity * Outdoor venue or indoor venue with capacity ≥ 200 people: 25% capacity *	60% capacity	M I T S
Theaters and performing arts	Indoor venue with capacity < 200 persons: Lesser of 50 or 50% capacity Outdoor venue or indoor venue with capacity ≥ 200 persons: 25% capacity *	60% capacity	
Zoos	25% capacity Lesser of 50 or 50% at indoor exhibits	60% capacity	

^{*} Denotes expanded activity in Phase 4 ^ Capacity applied for event sizes above the capacity limits allowed for social events

METRICS TO MOVE FORWARD

Vaccination metrics: Once 70% of residents 65 and older statewide have received their first dose of the vaccine and no increase in COVID-19 metrics is recorded, the state could move into the Bridge Phase. Once 50% of residents 16 and older have received their first dose of the vaccine and no increase in COVID-19 metrics is recorded, the state could move into Phase 5.

COVID-19 metrics: The state could advance if there is a non-increasing trend in hospital admissions for COVID-19 like illness, COVID-19 patients in the hospital and mortality rate while ICU bed availability must remain greater than or equal to 20%. The state will consider new knowledge of variants, vaccine effectiveness and the potential necessity of a booster shot as we move forward.

Monitoring period: COVID-19 metrics will be considered over a 28-day monitoring period before the state can advance to the next phase. The current monitoring period began when all regions of the state moved into Phase 4.

METRICS TO MOVE BACKWARD

The state could revert to a previous phase if there is a resurgence of the virus, measured by an increasing trend in our case rate and one of the following:

- Hospital admissions for COVID-19 like illness trend increasing and above 150 daily average
- COVID-19 patients in the hospital trend increasing and above 750 daily census
- Mortality rate trend increasing and above 0.1 daily average
- ICU bed availability < 20%

Metrics will be measured over a 10-day monitoring period.

Attachment B – Emergency COVID-19 Absence Policy

(3 page PDF follows)

DOWNERS GROVE SANITARY DISTRICT TEMPORARY EMPLOYEE POLICY EMERGENCY COVID-19 ABSENCE POLICY

Effective Dates: April 1, 2020 – December 31, 2020

Date Issued: April 3, 2020

Emergency Paid Sick Leave

All full time employees are entitled to eighty (80) hours of emergency paid sick leave (referred to as "emergency paid sick leave") effectively immediately. Emergency paid sick leave may be used only during the effective dates provided herein for the following reasons:

- 1. The employee has been advised by a health care provider to self-quarantine because of COVID-19, or
- 2. The employee is caring for a family member who has been advised by a health care provider to quarantine because of COVID-19. For the purposes of this temporary policy, a family member is defined as any of the following: child, spouse, domestic partner, sibling, parent, mother-in-law, father-in-law, grandchild, grandparent or stepparent (collectively defined as "eligible family member").

Any emergency paid sick leave that has not been used by December 31, 2020 will be forfeited. If an employee runs out of emergency paid sick leave and needs additional time off due to a COVID-19 absence, the employee may use regular accrued sick leave, vacation time or personal leave as allowed by the District's Employee Policy Manual.

In order to receive emergency paid sick leave, the following notification procedure must be followed:

- 1. The employee must call on the first day of quarantine in accordance with the rules outlined below.
- 2. The employee must call his/her immediate supervisor and notify him/her that the employee will not be reporting to work. The employee must specify whether the absence is due to their own personal illness/quarantine or if it is due to the illness/quarantine of an eligible family member. Employees unable to reach their supervisor must notify any other supervisor. If none of these individuals are available, the employee must notify the General Manager. If the General Manager is not available, the employee must leave a message with the District office personnel (not with the answering service or in voicemail) and the employee will receive a call back from the appropriate individual. When under a government issued Stay at Home Order, the District office will be open to calls Monday through Friday between 8:00 a.m. and 2:00 p.m.

- 3. The employee must call in within one (1) hour after the employee's scheduled starting time.
- 4. If an employee calls in and leaves a message with a fellow employee or with the answering service and does not follow the call-in procedure outlined above, the employee will not receive emergency paid sick leave for the absence.
- 5. When the employee calls to provide notification of his/her absence, the employee must indicate the expected duration of the leave as determined by the health care provider. If the expected duration of the leave changes during the course of the leave, the employee needs to notify his/her supervisor immediately. The employee will not be held to the expected return date. This is solely to assist the employee's supervisor with scheduling staffing for the expected duration of the employee's leave. The employee may only return to work once the Back to Work Clearance provisions provided herein are met.
- 6. When the employee calls to provide notification of his/her absence, the employee's supervisor may ask questions as needed to ascertain whether other District employees were potentially exposed to COVID-19 thereby requiring the District to take additional measures to prevent the spread to other employees. Please note that COVID-19 related absences are still covered by HIPAA.

If deemed necessary, the General Manager, at his/her discretion, may require any employee claiming the benefit of emergency paid sick leave for their own personal illness to submit written proof of eligibility, signed by a health care provider. Proof of eligibility may be from a tele-health provider.

Back to Work Clearance

Any employee returning to work after using emergency paid sick leave or after a COVID-19 related absence, regardless of whether paid leave was utilized, must furnish to his/her supervisor a back to work release from a duly licensed physician. Said release may be from a tele-health provider.

Employees shall not return to work until:

- 1. At least 3 days (72 hours) have passed since recovery defined as resolution of fever without the use of fever-reducing medications <u>and</u> improvement in respiratory symptoms (e.g., cough, shortness of breath), <u>and</u>
- 2. At least 7 days have passed since symptoms first appeared.

Return to Work Practices and Work Restrictions

Any employee returning to work after a COVID-19 related absence shall:

- 1. Be restricted from contact with persons who are severely immunocompromised until all symptoms are completely resolved or until 14 days after illness onset, whichever is longer,
- 2. Adhere to hand hygiene, respiratory hygiene, and cough etiquette in the Center for Disease Control's (CDC's) interim infection control guidance (e.g., cover nose and mouth when coughing or sneezing, dispose of tissues in waste receptacles), and
- 3. Self-monitor for symptoms and seek re-evaluation from a health care provider if respiratory symptoms recur or worsen.

Attachment C – Questions to Ask Residents Needing Inspection

Initial Call Taken By:		Pate:					
Resident Name:							
Property Address:							
Best Contact Phone Number:							
	Hoop		Day of				
REQUIRED QUESTIONS		Upon Scheduling		Inspection			
Date Questions Asked							
Questions asked by (DGSD employee initials):							
	YES	NO	YES	NO			
Have you or anyone in your household been diagnosed with COVID-19 in the past 14 days?							
Have you or anyone is your household experienced any of the following symptoms today or in the last 14 days? (read each symptom and check appropriate response)							
Fever or Chills							
Cough	ı						
Shortness of breath or difficulty breathing	J						
Fatigue)						
Muscle or body aches	3						
Headache)						
New loss of taste or smel							
Sore throat							
Congestion or runny nose							
Nausea or Vomiting	1						
Diarrhea							

Attachment D - Phase 3 and 4 Front Door Sign

(1 page PDF follows)





RESTORE ILLINOIS PHASE 3 & 4 ADMIN CENTER HOURS: MON THRU THURS 10AM - NOON & 1PM - 3PM

If you are experiencing an emergency, please call (630) 969-0664. Our technicians are available at all hours to help you!

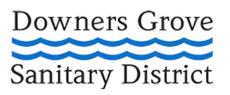
GUIDELINES FOR ENTERING THE BUILDING:

- 1. Please do not enter if you are feeling ill.
- 2. One customer in the building at a time unless you are part of the same family that is quarantining together.
- 3. Facemasks are required for all who enter.
- 4. We apologize but customer use of employee restrooms is prohibited during the COVID-19 pandemic.

Attachment E – April 29, 2021 Pandemic Visitor Memo

(2 page PDF follows)

Board of Trustees
Wallace D. Van Buren
President
Amy E. Sejnost
Vice President
Paul W. Coultrap
Clerk



General Manager Amy R. Underwood

Legal CounselMichael G. Philipp

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

To: All Contractors, Visitors, and Parties Interacting with District Employees

From: Amy Underwood, General Manager

Date: April 29, 2021

The Downers Grove Sanitary District is following the public health guidance of the Restore Illinois Plan in order to protect our staff while allowing us to continue to serve the public. At the time of this memo, the state is in Phase 4 of the Restore Illinois Plan. Effective today and until further notice, we ask visitors, contractors, or parties interacting with District employees to adhere to the following guidelines.

Please do not enter our facility if any of the following apply:

- 1. You have tested positive for Covid-19 in the past 14 days and have not been released from isolation by a medical provider or the Illinois Department of Public Health.
- 2. You are experiencing any of the following symptoms:
 - 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. You are not fully vaccinated against COVID-19 and have had close contact in the past 14 days to anyone who has tested positive for Covid-19.
- 4. You are not fully vaccinated against COVID-19 and in the past 14 days you have traveled to another country or to a state with a case rate greater than 15 new COVID-19 cases per 100,000 resident population, per day, over a 7-day rolling average.

Before entering our facility:

1. Fill out and submit the form found <u>HERE</u> 12 to 24 hours before your scheduled visit. Upon reviewing your responses, we will notify you if there is a problem with your visit.

If you do not hear from us, plan to arrive at your scheduled visit time.

When you enter our facility:

- 1. Cover your nose and mouth with a cloth mask or disposable mask when inside buildings and also outdoors when speaking with other people or working within 6 feet of other people. DGSD is not responsible to provide masks to visitors. Masks with exhalation (one-way) valves are not allowed.
- 2. Maintain 6 foot separation between yourself and others whenever possible.
- 3. Do not shake hands with others.
- 4. Refrain from using employee restrooms. There is a port-a-potty located on the south side of building K and a sink just inside the south door of building K that visitors are welcome to use.
- 5. Refrain from using employee lunchrooms.
- 6. Do not enter any district buildings other than the one you are assigned to do work in or approved by your District host.

Definitions:

Close contact is defined as any of the following:

- 1. Being within 6 feet of a sick (or asymptomatic) person with COVID-19 for a total of 15 minutes or more within any 24-hour period starting from 48 hours prior to the onset of symptoms in the sick person (or, for asymptomatic persons, 48 hours prior to test specimen collection) and ending after the sick person's doctor or the state or local health department has released the person from isolation.
- 2. Caring at home for a sick person with COVID-19
- 3. Having direct physical contact with the COVID-19 positive person (e.g. hugged or kissed them
- 4. Being in direct contact with secretions from a sick person with COVID-19 (e.g., being coughed on, sneezed on, somehow got respiratory droplets on you, sharing eating or drinking utensils, etc.).

Fully vaccinated is defined as two weeks after their second dose in a two dose series, such as the Pfizer or Moderna COVID-19 vaccines, or two weeks after a single dose vaccine, such as the Johnson's Janssen COVID-19 vaccine.