

Carol Abing
3474 S. 38th Street
Milwaukee, WI 53215

RECEIVED
OFFICE OF CITY ATTORNEY

November 20, 2018

NOV 27 2018

3:50 A.M./P.M.
24

Milwaukee City Clerk
City of Milwaukee
200 East Wells Street, Room 205
Milwaukee, WI 53202

RE: Notice of Appeal
C.I. File No. 1029-2018-1997

Dear Clerk:

Please consider this my written notification of appeal of City Attorney Grant Langley's decision dated November 12, 2018. I also request a hearing. This is timely as it is being sent within the required 21-day period.

Enclosed is a copy of the November 12, 2018 decision with its stamped envelope as also required in Mr. Langley's letter. Please let me know when the hearing will be held.

Thank you.

Sincerely,

Carol Abing

Carol Abing

Enclosure

CITY OF MILWAUKEE
2018 NOV 26 P 2:14
CITY CLERK'S OFFICE

GRANT F. LANGLEY
City Attorney

MIRIAM R. HORWITZ
ADAM B. STEPHENS
MARY L. SCHANNING
JAN A. SMOKOWICZ
Deputy City Attorneys

**CITY OF
MILWAUKEE**
Office of the City Attorney

Milwaukee City Hall Suite 800 • 200 East Wells Street • Milwaukee, Wisconsin 53202-3551
Telephone: 414.286.2601 • TDD: 414.286.2025 • Fax: 414.286.8550

SUSAN E. LAPPEN
PATRICIA A. FRICKER
HEIDI WICK SPOERL
GREGG C. HAGOPIAN
ELLEN H. TANGEN
JAY A. UNORA
KATHRYN Z. BLOCK
KEVIN P. SULLIVAN
THOMAS D. MILLER
ROBIN A. PEDERSON
JEREMY R. MCKENZIE
PETER J. BLOCK
JENNY YUAN
KAIL J. DECKER
ALLISON N. FLANAGAN
HEATHER H. HOUGH
ANDREA J. FOWLER
PATRICK J. MCCLAIN
NAOMI E. GEHLING
CALVIN V. FERMIN
BENJAMIN J. ROOVERS
ELLENY B. CHRISTOPOULOS
RACHEL S. KENNEDY
TYRONE M. ST. JUNIOR
HANNAH R. JAHN
SAVEON D. GRENELL
JULIE P. WILSON
GREGORY P. KRUSE
KIMBERLY A. PRESCOTT
Assistant City Attorneys

November 12, 2018

Carol C. Abing
3474 S. 38th Street
Milwaukee, WI 53211

RE: C.I. File No. 1029-2018-1997
Communication from Carol C. Abing

Dear Ms. Abing:

We have received your claim in the amount of \$1,166.00, relating to costs you incurred on June 26, 2018, when the City's sewer backed up into your home located at 3474 S. 38th Street.

Our investigation revealed that on June 26, 2018 Sewer Maintenance responded to a backwater call for the 3400 block of south 38th Street. The City's sanitary sewer was found to be clogged with heavy grease. The sewer was unclogged and restored to proper working condition.

This sewer was on our normal three-year cleaning schedule, but was moved to a three month cleaning schedule on November 15, 2017. Due to the clogged sewer on June 26, 2018 this area has now been moved to a one month cleaning schedule. This sewer was last cleaned on October 19, 2018.

The City has done its due diligence in maintaining the sewer in this area. Because the sewer is on a regular cleaning schedule and the City of Milwaukee did not have any notice of problems with the sewer, the City cannot be held liable for the property damages sustained from the backwater incident at your residence. Therefore, we are denying your claim.

If you wish to appeal this decision, you may do so by sending a written statement requesting a hearing within 21 days of the postmarked date of this letter to the Milwaukee City Clerk, 200 East Wells Street, Room 205, Milwaukee, Wisconsin



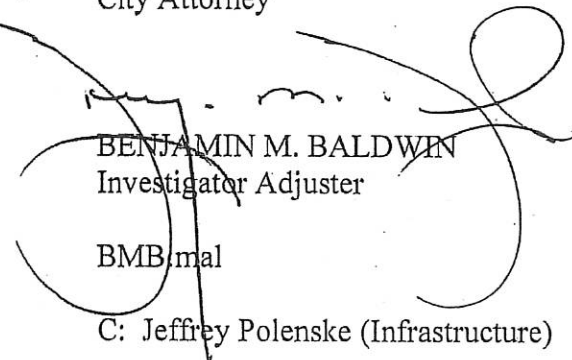
Carol C. Abing
November 12, 2018
Page 2

53202. Please include a photocopy of this letter's envelope, showing the postmark, and retain the original in the event further proof is needed.

Very truly yours,



for
GRANT F. LANGLEY
City Attorney



BENJAMIN M. BALDWIN
Investigator Adjuster

BMB:mal

C: Jeffrey Polenske (Infrastructure)

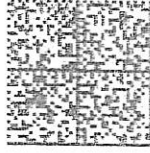
1029-2018-1997:254774

**CITY OF
MILWAUKEE**
Office of the City Attorney
OFFICE OF THE CITY ATTORNEY

800 City Hall
200 East Wells Street
Milwaukee, Wisconsin 53202-3551

Carol C. Abing
3474 S. 38th Street
Milwaukee, WI 53211

POSTAGE
PAID



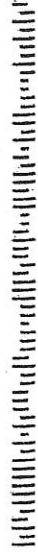
U.S. POSTAGE PITNEY BOWES

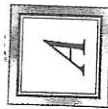


ZIP 53005 \$000.37
02 4W
0000337158 NOV 12 2018



12E-558 53215





Carol Abing
3474 S 38th St
Milwaukee, WI 53215-4013

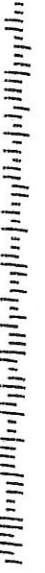
MILWAUKEE WI 530

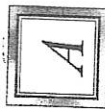
21 NOV 2018 PM 6 L



Milwaukee City Clerk
200 E. Wells St.
Room 205
Milwaukee, WI 53202

53202-357055





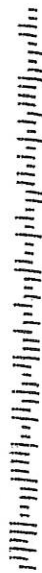
Carol Abing
3474 S 38th St
Milwaukee, WI 53215-4013



MILWAUKEE WI 530
21 NOV 2018 PM 6:1

Milwaukee City Clerk
200 E. Wells St.
Room 205
Milwaukee, WI 53202

53202-557099



CITY OF MILWAUKEE

2018 SEP 10 P 2:57

CITY CLERK'S OFFICE

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com

September 7, 2018

RECEIVED
OFFICE OF CITY ATTORNEY

SEP 13 2018

12:10 A.M./P.M.

AS

City Clerk
ATTN: Claims
200 E. Wells St.
Room 205
Milwaukee, WI 53202-3567

RE: Claim for Damages from Sewage Backup on June 26, 2018

Dear Sir or Madam:

I request reimbursement from the City in the amount of \$1,166.78 (receipts attached) for a sewage backup that occurred at my residence, 3474 South 38th Street, Milwaukee, on June 26, 2018. This claim is made within the statutory 120 days of the event. The backup was due, in part, to the City of Milwaukee Department of Public Works ("DPW") negligence in keeping with their revised "3 month special" maintenance schedule for my sewer line which was set after my second sewage backup that occurred on November 11, 2017 at the same address.

I purchased my house in May, 2004. On May 18, 2011, I received a Department of Public Works Infrastructure Services Division notice for resurfacing project (ST211010151). The project was completed sometime in 2013 or 2014.

My first sewage backup occurred on January 24, 2015 (see attached pictures). According to DPW records (attached), the cause was a heavy grease buildup in the sewer main between South 37th and South 38th Streets on West Morgan Avenue. I did not make a claim with the City at that time, because the DPW workers who responded to the call told me that the City denies such claims. I had a sewer backup rider on my home owners insurance, so made my claim to my insurance company. The rider was capped at a \$2,000.00 claim. This covered about a third of what was actually lost. My insurance company dropped the rider with the next renewal of my policy. I estimate the total loss of this first sewer backup, including clean up (which I did myself with help of family) and personal property, to be \$7,500.00.

The second sewage backup occurred on November 11, 2017. The stench was so bad, it woke me early Saturday morning to what I thought was a gas leak. I called We Energies to come and check for the leak. We Energies confirmed there was no leak, but there was already a foot of raw sewage around the entire basement. My next call was to DPW at 5:45 a.m. (see attached

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com

DPW records). Again, the cause was heavy grease in the same location of the sewer main. Having no insurance rider to fall back on and being at risk of losing my homeowners insurance if I made a second claim for the same problem, I paid out of pocket for a reclamation company to come in and clean/sanitize the basement which cost \$3,328.00. Personal property loss this second time was less than the first time as I purged many of the items in my basement. I would estimate the personal property loss of this occurrence at \$2,500.00. As the DPW records show, I called multiple times to see what the City was going to do to stop such backups in the future. Jason Sanders told me that the City planned on moving their maintenance schedule to a "3 month special."

The DPW maintenance records indicate that this sewer main was checked on November 15, 2017. The records also show there was a scope of the sewer done by Aries on November 13, 2017; November 14, 2017; and December 7, 2017. There is one handwritten notation on the page of December 7, 2017 records noting, "12/11/2017 No work."

The next record notes my calling due to a third sewage backup on June 26, 2018 when I got home from work around 7:00 p.m. Please see attached photos. I did most of the cleanup myself to keep costs down and am still unable to submit an insurance claim for fear of losing my homeowners insurance, my expenses for this clean up are \$1,166.78, as the attached receipts show. Again this does not include personal property loss. Luckily, most things were under warranty as they were purchased after the November 11, 2017 sewage backup. Personal property loss I estimate to be \$1,000.00.

If the City had kept with their "3 month special" maintenance schedule, there should be records dated March 2018 and June 2018. Please remit the amount of \$1,166.78 to my attention. If you need additional information, please contact me at (414) 239-5367 (cell) or at (312) 558-6173 (work).

Thank you,



Carol Abing
cabing11@gmail.com

Enclosures

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com



January 24, 2015

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com

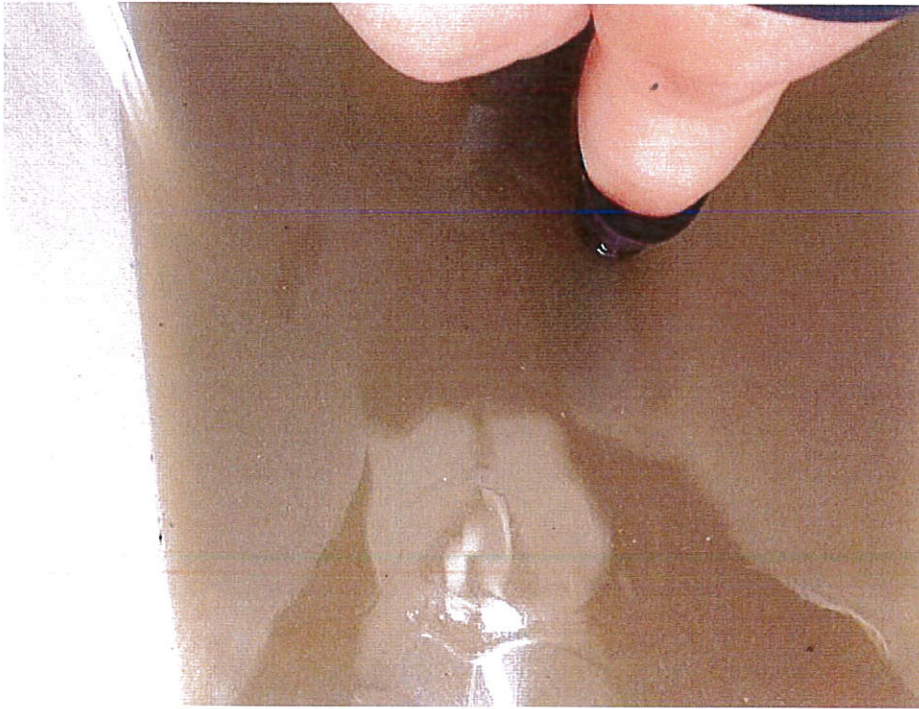


January 24, 2015 – Sewage starting to recede

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com



June 26, 2018 –
Over my boots
at the second
step

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com



June 26, 2018 –
sewage up to
second shelf

Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211
414.672.1617 | cabing11@gmail.com

June 26, 2018



Carol C. Abing

3474 S. 38th St., Milwaukee, WI 53211

414.672.1617 | cabing11@gmail.com

Itemized list of Costs:

Vendor	Date	Cost
Marathon – Sanitization of Basement	7/3/2018	\$850.00
Menards – Fans Rental	6/27- 28/2018	\$78.10
Home Depot – Cleaning Supplies	6/27/2018	\$74.31
Brewtown Pub – Dinner for me and Niece who helped clean	6/27/2018	\$41.11
Wal-mart – Additional Cleaning Supplies	7/1/2018	\$12.38
Stramowski Heating – To check high efficiency boiler that was submerged in sewage	6/27/2018	\$110.88
TOTAL		\$1166.78

MARATHON

FIRE • WATER • MOLD • BIOHAZARD
24 HOUR RESTORATION
P.O. Box 204 • Union Grove, Wisconsin 53182
1-888-633-4495 • Fax (262) 633-4495

INVOICE

1090

Service for: Carol Abing email: _____ Date: 7-3-18
Address: 3474 S. 38th St. Technicians: _____
City / State / Zip: Milwaukee, WI. Ins. Adjuster: _____ Ph: _____
Phone #: 414 672-1617 Alt: () Referred By: Reput
Insurance Co.: _____ Fax: _____ email: _____ Claim No. _____

JOB DESCRIPTION	COST
Powerwash Basement	X
Spray All Areas w/ Microban	X
1 lg. dshv X 3 days	X
2 fans X 3 days	X

☐ Check
☐ Credit
☐ Cash
☐ BILL
☒ **BILLED**

Property Owner/Authorized Agent _____
I hereby sign that I personally am responsible for all charges, costs and deductibles not covered by insurance.

Sub-Total \$ 850.00
P/O 4% \$ _____
Paid Deductible \$ _____
GRAND TOTAL \$ 850.00



More saving.
More doing.SM

150 WEST HOLT AVENUE
MILWAUKEE WI 53207 (414) 481-8770

4941 00012 20474 06/27/18 12:37 PM
CASHIER SELENA

046878268098 NOZZLE PACK <A> 8.98
CONTRACTOR NOZZLE PACK
071798805535 MOP REFILL <A> 6.48
JUMBO ROLLER MOP W/MICROBAN REFILL
731919241009 LC NEOP S/M <A>
GMPC LONG CUFF NEOPRENE GLOVES S/M
2@4.98 9.96
071798800554 MOP <A> 14.98
JUMBO ROLLER MOP WITH MICROBAN
037256358784 GY5/8X50 <A> 29.97
5/8"X50' CONTINENTAL BLK RUBBER HOSE

SUBTOTAL 70.37
SALES TAX 3.94
TOTAL \$74.31

XXXXXXXXXXXX3036 MASTERCARD USD\$ 74.31
TA

AUTH CODE 279345/0123184
Chip Read
AID A0000000042203 4173736F63696174656
4204465626974
TVR 8000088000
IAD 1510601001220000000000000000000000FF
TSI 6800
ARC 00



4941 12 20474 06/27/2018 3207

Use Your  2%
BIG CARD REBATE
MENARDS®

MENARDS - W. MILWAUKEE
2101 Miller Park Way
W. Milwaukee WI 53219

KEEP YOUR RECEIPT.
RETURN POLICY VARIES BY PRODUCT TYPE

Unless noted below allowable returns for
items on this receipt will be in the form
of an in store credit voucher if the
return is done after 09/25/18

If you have questions regarding the
charges on your receipt, please
email us at:

WMILfrontend@menards.com



Sale Transaction

Cust name: Abing, Carol
RENTAL AGREEMENT 45980001

RUG DR CARPT BLOWER 1 DA
5760819 14.99
RUG DR CARPT BLOWER XDAY
5760821 14.99
RUG DR CARPT BLOWER 1 DA
5760819 14.99
RUG DR CARPT BLOWER XDAY
5760821 14.99
END OF ORDER
RENTAL AGREEMENT 45981001

UTILITY AIR MOVER 4 HR
5760098 14.00
END OF ORDER

TOTAL 73.96
TAX MILWAUKEE-WI 5.6% 4.14
TOTAL SALE 78.10
Associated Debit 3036 78.10
Auth Code:298326
Chip Inserted
a0000000042203
TC - dd51d7119c61ed26

TOTAL NUMBER OF ITEMS = 5

GUEST COPY



Brewtown

5121 W. Howard Ave
Milwaukee, WI 53220

Date: Jun27'18 09:00PM
Card Type: Master
Acct #: XXXXXXXXXXXX3036
Card Entry: SWIPED
Trans Type: PURCHASE
Auth Code: 129124
Check: 2792
Table: 40/1
Server: 357 Martin B

Subtotal: 34.11

Tip: 7.00

Total: 41.11

I agree to pay above total
according to my card issuer
agreement.

For your convenience we are
providing the following
gratuity calculations:

15% is \$4.82
18% is \$5.79
20% is \$6.43

See back of receipt for your chance
to win \$1000 ID #:7M400WZMGBD

Walmart 

Save money. Live better.

414-383-1113 Mgr: ANTHONY PUGLISI

3355 S 27TH ST

MILWAUKEE WI 53215

ST# 02828 OP# 009047 TE# 47 TR# 05435

PAIL	007314912199	4.78 X
CLX LIQ BL L	004460030780	3.97 X
LYSOL 1M 48Z	001920089965	2.97 X
TIDE	003700073738	11.97 X
RPG EVD CARD	004282335623	2.97 X
RPG EVD CARD	004282356671	2.97 X
RPG EVD CARD	004282354847	2.97 X
RPG EVD CARD	004282360123	2.97 X
RPG EVD CARD	004282335528	2.97 X
RPG EVD CARD	004282360114	3.57 X
RPG EVD CARD	004282354827	3.27 X
AW TANK	076125305215	4.96 X
NB TANK	880957610562	3.88 X

SUBTOTAL 54.22

TAX 1 5.600 % 3.04

TOTAL 57.26

DEBIT TEND 57.26

CHANGE DUE 0.00

EFT DEBIT PAY FROM PRIMARY

57.26 TOTAL PURCHASE

Associated Debit- 3036 I 1

NETWORK ID. 0090 APPR CODE 447531

Debit

AID A00000000042203

TC 9AE5A396682FB7D9

*Pin Verified

TERMINAL # SC011471

07/01/18 09:58:31

ITEMS SOLD 13

TC# 5052 2183 2538 8900 7078



Low Prices You Can Trust. Every Day.

07/01/18 09:58:38

Use Walmart Pay to save your receipts.



Total = \$11.72

Tax = \$.66

Walmart Total = \$12.38

9/5/2018

Gmail - Invoice/Estimate



Carol Abing <cabing11@gmail.com>

Invoice/Estimate

Billing - Stramowski Heating Inc <noreply@stramowski.com>
To: cabing11@gmail.com

Wed, Jun 27, 2018 at 2:53 PM

Invoice - Stramowski Heating Inc



Invoice #: 8917916
Date: 06/27/2018
Technician: Kyle E Keller
Sales Rep.: Brian S Stramowski
Work Date: 06/27/2018
PO:
Terms: Upon Receipt
Serv Agmt #:

Stramowski Heating, Inc.
6508 S Howell Ave
Oak Creek WI 53154
Website:
<http://www.stramowski.com>
Phone: 414-762-6457
Email: info@stramowski.com

Bill To:	Work Address:
Carol Abing	Carol Abing
Carol Abing	3474 S 38th St
3474 S 38th St	Milwaukee WI 53215
Milwaukee WI 53215	

Details:

Inspected inside boiler -ok
No water inside
Thermostat wire may have been under water but no damage
I zip tied wires up
Due to the boiler being higher than the water level everything checked out fine

Item	Qty	Amount
SDF-RR01-1060		
True24 Diagnostic Fee	1	\$105.00

Sub Total:	\$105.00
Sales Tax:	\$5.88
Total:	\$110.88

Payment Via Check (4511): -\$110.88
Balance Due: **\$0.00**

9/5/2018

Gmail - Invoice/Estimate

Thank you for your business! Home of True24. No extra for night, weekend, or holiday repair calls.

Acceptance of Invoice

This invoice is DUE UPON RECEIPT.

All work and parts are covered by a one year parts and labor warranty unless otherwise specified. Failure to pay this invoice in full may result in immediate 3rd party collection action and will void any warranty provided through Stramowski Heating Inc.

All work quoted has been completed and I acknowledge receipt of this invoice. If I would like a printed copy of this invoice I know that I may pick up a copy at the office of Stramowski Heating Inc at 6508 S Howell Ave, Oak Creek, WI 53154 during regular office hours.

Stramowski Heating Inc retains all lien rights until all account balances are paid in full.

Signature: None

Thank you for your business!

Web Forms

noreply@stramowski.com
414-762-6457

www.stramowski.com



No extra charges for night, weekend, or holiday repair service.

Stramowski Heating Inc • 6508 S Howell Ave • Oak Creek • WI • 53154

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

Scanned by Trend Micro WFB Security.

5 attachments



CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

BACKWATER IN BASEMENT - CODE 1



2973264

Dispatched Location: 3474 S 38TH ST

RECEIVED

Received: 2017-11-11 05:47:01

OFFICE OF CITY ATTORNEY

Contact: ABING, CAROL (414) 239-5367

SEP 13 2018

FIELD INVESTIGATION

Time Arrived: 06:50 AM Crew #: _____ Investigator: ORDONEZ Assisted by: WELCH

12:10 A.M./P.M.

Sewer Type: SAN Sewer Size: 10" Sewer Status: CLOG Flow in IN. 0

Date of Backwater: 2017-11-11 City Surcharge: Yes ☒ No MIS Surcharge: Yes ☒ No

Highwater Mark from Top of Frame: _____ Lateral Clogged - Recommend Plumber

Backwater due to: Ovrldn Fldg: Yes ☒ No Frm Flr Drn: Yes ☒ No Unk: Yes ☒ No

Sewer clog: 1. Obtain print when possible 2. Locate obstruction 3. Call proper equipment

Time Found: _____ Time Began Cleaning: _____ Time Opened: _____

Opened By: _____ Time Completed: _____

Location of Clog (note dry and backed-up manholes): _____

Sewage Elevation (from top of manhole): _____ Obstruction Due To: _____

Record Comments:

SEWAGE BACKED UP IN BASEMENT

Resolution:

CITY SEWER MAIN WAS CLOG AT TIME OF ARRIVAL , WE

CALLED THE JET VAC TO OPEN THE SEWER MAIN

CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

W. Morgan

BACKWATER IN BASEMENT - CODE 1

Dispatched Location: 3474 S. 38th St

Received: (Date): 11-11-17 (Time): 5:45 (From): Operator

Contact: (Person): Carol (Phone #): 239-5367

Abing

FIELD INVESTIGATION

Time Arrived: 6:50 AM Crew #: M-5 Field Investigator: Ordaniz Assisted by: Welch

Sewer Type: SAN Sewer Size: 10" Sewer Status: Clog Flow in Inches: —

Date of Backwater: 11-11-17 City Surcharge: Yes No MIS Surcharge: Yes No

Highwater Mark from Top of Frame: — Lateral Clogged — Recommend Plumber

Sewer clog: 1. Obtain print when possible 2. Locate obstruction 3. Call proper equipment

Time Found: 6:50 AM Time Began Cleaning: 8:20 AM Time Opened: 9:00 AM

Opened By: Tet-Vac David Banks Time Completed: 9:30 AM

Location of Clog (note dry & backed-up manholes): Dry M.H. W. Morgan - S. 38th W. Morgan

Sewage Elevation (from top of manhole): 3' FT Obstruction Due To: Heavy Grease

Rec #

2973264

Final Status & Additional Information: City Sewer main was
Clog at time of arrival at 6:50/Am 11-11-17

The Jetvac (David Banks) starting cleaning
at 8:20/Am - Very Heavy Grease in Sewer main
The Clog was between S. 38thst and S. 37thst
on W. Morgan Ave.

(Home owner had a back-up of 2' FT
of Sewer Water thru out the whole basement)

Place on 1 month or 3 month W. Morgan
S 36TH TO CROSS over DS 39.

CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

SERVICE REFERRAL RECORD



Dispatched Location: 3474 S 38TH ST

Received: 2017-11-13 07:32:04

Contact: ABING, CAROL (414)672-1617

FIELD INVESTIGATION

Time Arrived: _____ Crew # _____ Investigator: _____ Assisted by: _____

(circle one)

Subject: LIDS & GRATES LOST ITEMS CHECK CONNECTION ODOR
CAVE-IN (Dye Test: Pos Neg) OTHER (explain in 'Action Required' below)

LOCATION

Street Location (NW NE SW SE) Corner On: S 38TH ST

At (Address or Intersecting Street): _____

Alley Location: (BEHIND ALONGSIDE) Of: CURB

REFERRED TO (circle one)

Large Crew Hand Crew Mason CCTV

Action Required: _____ Barricaded: YES NO

FOLLOW-UP INFORMATION

SEWER MAIN WORK

(circle one)

SEWER TYPE: SAN STORM COMB Size: _____ Depth: _____

CCTV Exam # _____ CCTV Video # _____ Microfiche # _____

Section Requiring Work: From Manhole # _____ to Manhole # _____

REPAIR by Large Digging Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

STRUCTURE WORK

(circle one)

Structure: Catch Basin Storm Inlet Flatbottom Sewer Manhole Drain Communications Manhole

Repair by Crew # _____ & Mason Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

HOTLINE INFORMATION

Start Date: _____ Start Time: _____ Ticket Number: # _____

Marking Instructions: _____

Miscellaneous - PLEASE CHECK LATERAL FOR MY HOUSE. DOES IT CONNECT TO
SEWER LINE ON MORGAN OR ON 38TH STREET?

Resolution - CALLED AND LEFT MESSAGE STATING THAT HER LATERAL CONNECTS
ON S.38TH ST

CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

SERVICE REFERRAL RECORD



2973574

Dispatched Location: 3474 S 38TH ST

Received: 2017-11-13 09:52:06

Contact: ABING, CAROL (414)239-5367

FIELD INVESTIGATION

Time Arrived: _____ Crew # _____ Investigator: _____ Assisted by: _____

(circle one)

Subject: LIDS & GRATES LOST ITEMS CHECK CONNECTION ODOR
CAVE-IN (Dye Test: Pos Neg) OTHER (explain in 'Action Required' below)

LOCATION

Street Location (NW NE SW SE) Corner On: S 38TH ST

At (Address or Intersecting Street): _____

Alley Location: (BEHIND ALONGSIDE) Of: CURB

REFERRED TO (circle one)

Large Crew Hand Crew Mason CCTV

Action Required: _____ Barricaded: YES NO

FOLLOW-UP INFORMATION

SEWER MAIN WORK

(circle one)

SEWER TYPE: SAN STORM COMB Size: _____ Depth: _____

CCTV Exam # _____ CCTV Video # _____ Microfiche # _____

Section Requiring Work: From Manhole # _____ to Manhole # _____

REPAIR by Large Digging Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

STRUCTURE WORK

(circle one)

Structure: Catch Basin Storm Inlet Flatbottom Sewer Manhole Drain Communications Manhole

Repair by Crew # _____ & Mason Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

HOTLINE INFORMATION

Start Date: _____ Start Time: _____ Ticket Number: # _____

Marking Instructions: _____

Miscellaneous - REC#2973451.....CALLER WOULD LIKE TO SPEAK W/SOMEONE TO
FIND OUT IF THE LATERAL SHIFTED?PLS CALL HER CELL (414)239-5367

Resolution - REFER TO REC # 2973451

CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

SERVICE REFERRAL RECORD



Dispatched Location: 3474 S 38TH ST

Received: 2017-11-13 13:32:03

Contact: ABING, CAROL (414) 239-5367

FIELD INVESTIGATION

Time Arrived: _____ Crew # _____ Investigator: _____ Assisted by: _____

(circle one)

Subject: LIDS & GRATES LOST ITEMS CHECK CONNECTION ODOR
CAVE-IN (Dye Test: Pos Neg) OTHER (explain in 'Action Required' below)

LOCATION

Street Location (NW NE SW SE) Corner On: S 38TH ST

At (Address or Intersecting Street): _____

Alley Location: (BEHIND ALONGSIDE) Of: CURB

REFERRED TO (circle one)

Large Crew Hand Crew Mason CCTV

Action Required: _____ Barricaded: YES NO

FOLLOW-UP INFORMATION

SEWER MAIN WORK

(circle one)

SEWER TYPE: SAN STORM COMB Size: _____ Depth: _____
CCTV Exam # _____ CCTV Video # _____ Microfiche # _____
Section Requiring Work: From Manhole # _____ to Manhole # _____

REPAIR by Large Digging Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

STRUCTURE WORK

(circle one)

Structure: Catch Basin Storm Inlet Flatbottom Sewer Manhole Drain Communications Manhole

Repair by Crew # _____ & Mason Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

HOTLINE INFORMATION

Start Date: _____ Start Time: _____ Ticket Number: # _____

Marking Instructions: _____

Miscellaneous - PLS CALL ON CELL PHONE IN REGARDS TO THESE TWO

REQ#2973451/REC#2973451/WANTS TO BE PREPAIRED FOR ANOTHER ISSUE OF A
SEWER BACKUP IF IT HAPPENS AGAIN/OR TO PREVENT IT

Resolution - JASON SANDERS SPOKE WITH CAROL ABING ADDRESSING HER
CONCERN 11/13/17

CITY OF MILWAUKEE
INFRASTRUCTURE
ENVIRONMENTAL ENGINEERING
SEWER MAINTENANCE

SERVICE REFERRAL RECORD



Dispatched Location: 3474 S 38TH ST

Received: 2017-11-13 15:03:46

Contact: ABING, CAROL (414)672-1617

FIELD INVESTIGATION

Time Arrived: _____ Crew # _____ Investigator: _____ Assisted by: _____

(circle one)

Subject: LIDS & GRATES LOST ITEMS CHECK CONNECTION ODOR
CAVE-IN (Dye Test: Pos Neg) OTHER (explain in 'Action Required' below)

LOCATION

Street Location (NW NE SW SE) Corner On: S 38TH ST

At (Address or Intersecting Street): _____

Alley Location: (BEHIND ALONGSIDE) Of: CURB

REFERRED TO (circle one)

Large Crew Hand Crew Mason CCTV

Action Required: _____ Barricaded: YES NO

FOLLOW-UP INFORMATION

SEWER MAIN WORK

(circle one)

SEWER TYPE: SAN STORM COMB Size: _____ Depth: _____

CCTV Exam # _____ CCTV Video # _____ Microfiche # _____

Section Requiring Work: From Manhole # _____ to Manhole # _____

REPAIR by Large Digging Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

STRUCTURE WORK

(circle one)

Structure: Catch Basin Storm Inlet Flatbottom Sewer Manhole Drain Communications Manhole

Repair by Crew # _____ & Mason Crew # _____

Start Date: _____ Backfilled: _____ Closed: _____ Type of Repair: _____

HOTLINE INFORMATION

Start Date: _____ Start Time: _____ Ticket Number: # _____

Marking Instructions: _____

Miscellaneous - THANK YOU FOR YOUR RESPONSE. IF MY SEWER LINE CONNECTS
TO 38TH ST., WHY DOES SEWER CLOG ON MORGAN BACK UP INTO MY BASEMENT?
WHAT CAN BE DONE TO RESOLVE THIS?

Resolution - EXPLAINED TO HOME OWNER WHY THE CLOG ON W .MORGAN AVE
AFFECTED THE SEWER MAIN ON S. 38 TH ST

4. W. Morgan Ave. S 39th St. To M.I.S. in
LOCATION: S 35th St. Inc. crossover.

1/4 SEC. 53-4

LOCATION:

LENGTH	TYPE
1.300	SAV

3201-8
9201-10
101-10

MILWAUKEE

WATER & SEWER MAINTENANCE

SEWER CLEANING PROGRAM

BASIN

MAP NO.

140.
153

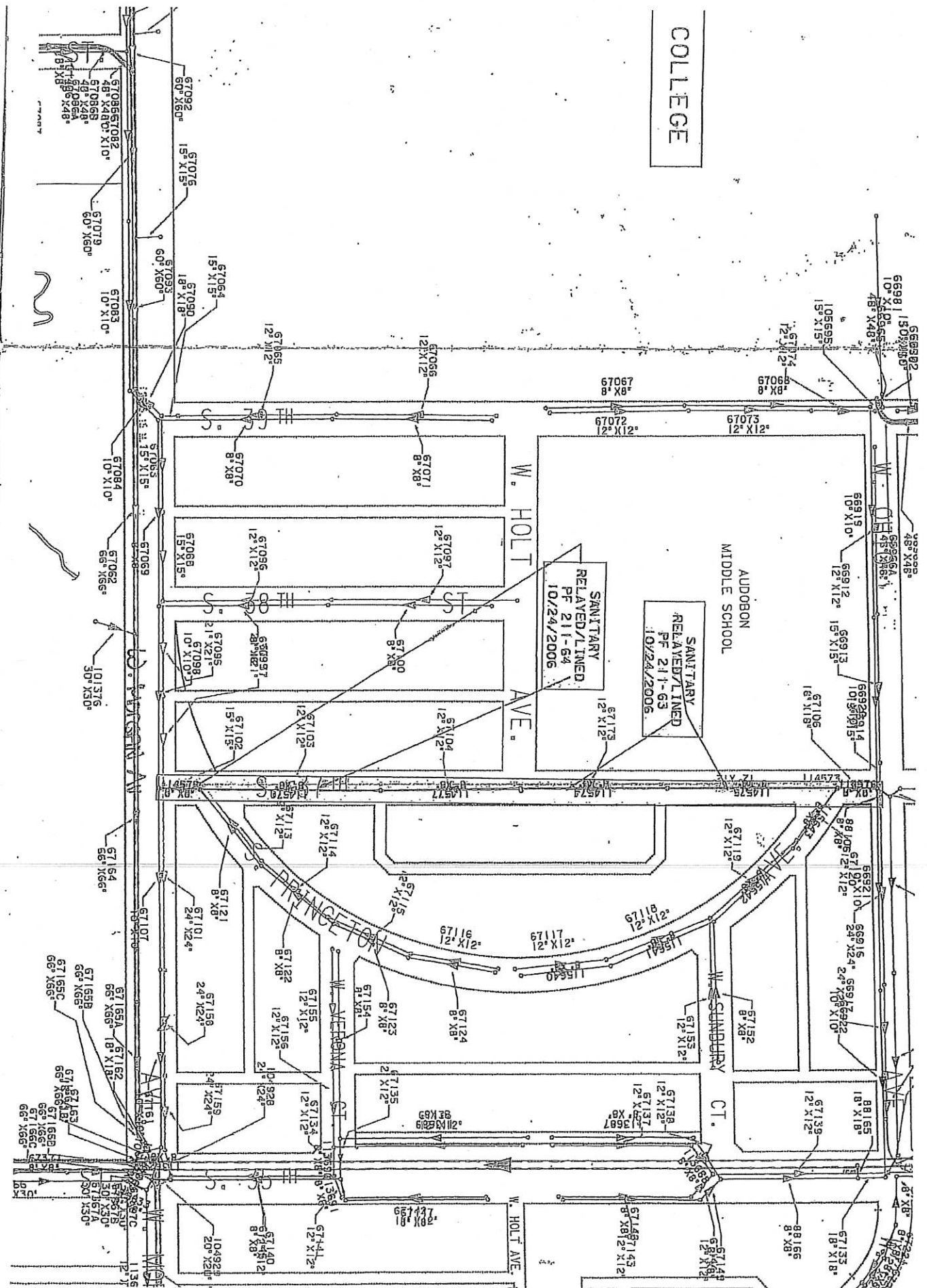
DATE CLEANED	METHOD	FOOTAGE CLEANED	DATE CLEANED	METHOD	FOOTAGE CLEANED	DATE CLEANED	METHOD	FOOTAGE CLEANED
1978	W/B	1300'	11-05-08	JV	320			
11-3-78	W/B	1300'			920			
7-18-72	W/B	1300'			60			
9-10-73	W/B	1300'	08-03-11	Jr	1800			
11-21-74	W/B	1300'	4-23-14	J	1300			
11-22-74	Jet	400'	1-24-15	clogger	-			
9-14-76	W/B	1300'	opened	W/17th	Jet Vac.			
5-31-79	W/B	1300'	10-18-16	JU	1300			
5-26-81	W/B	1300'						
2-20-84	W/B	1300'	Moved to 3 month Special					
4-1-85	Rodder	1300'	11-15-77	per J.S.				
8-21-86	W/B	1300'						
11-8-88	W/B	1300						
8-19-91	R	1300						
9-2-94	J	1300						
1-25-95	W/B	1300						
2-12-98	W/B	1300						
3-30-01	J	1300						
10-31-02	W/B	1300						
10-25-05	JV	1300						

METHODS: BUCKET = B, JET = J, FLUSHING = F, RODDER = R, WAYNE BALL = WB, CHEMICAL = C

REMARKS	REMARKS	REMARKS
4-12-71	10-03-11 LT. DIRT	
11-21-74 Heavy dirt & Grease	4-23-14 MED. DIR	
11-21-74 " " "	1-24-15 Clogged with	
9-14-86 Heavy Grease & Roots	Grease, BACKWATER	
5-31-79 Heavy roots	AT 3474 S. 38TH	
Grease & dirt	10-18-16 LT. DIRT.	
5-26-81 Heavy dirt & Grease		
2-26-84 Heavy roots & Grease		
4-1-85 Cleared - roots		
8-21-86 Heavy dirt		
11-8-88 Heavy Grease & DIRT		
8-19-91 LT DIRT & Roots		
9-2-94 Heavy Grease		
1-25-95 Heavy Grease		
2-12-98 w/ Heavy Grease		
3-30-01 MED Grease		
10-25-05 LT DIRT		
11-05-08 Med. Sewage		

[illegible]

COLLEGE



BACKWATER COMPLAINT RECORD

100 BLK	DATE RECV'D	LOCATION	CAUSE OF COMPLAINT	REMARKS
3400		S 38TH ST		
	6/26/2018	3468	M S CLOGGED	CLOGGED WITH GREASE
	11/11/2017	3474	M S CLOGGED	clogged with heavy grease
	11/11/2017	3474	M S CLOGGED	clogged sewer ..on W. Morgan ave so. Between so. 37th --so. 38th st.

88818



Owner City Of Milwaukee		Customer Jason Sanders		Upstream MH 5	Downstream MH 4	Date 13-Nov-2017
Surveyor Hughes - Sliga		Street 3400 South 38th Street			City Milwaukee	Time
Size 8	Material Polyethylene	Sewer Use Sanitary	Purpose Specials	Length	(TV'd) 307.4	Pre-Clean No Pre-Cleaning
						Weather Dry

Comments

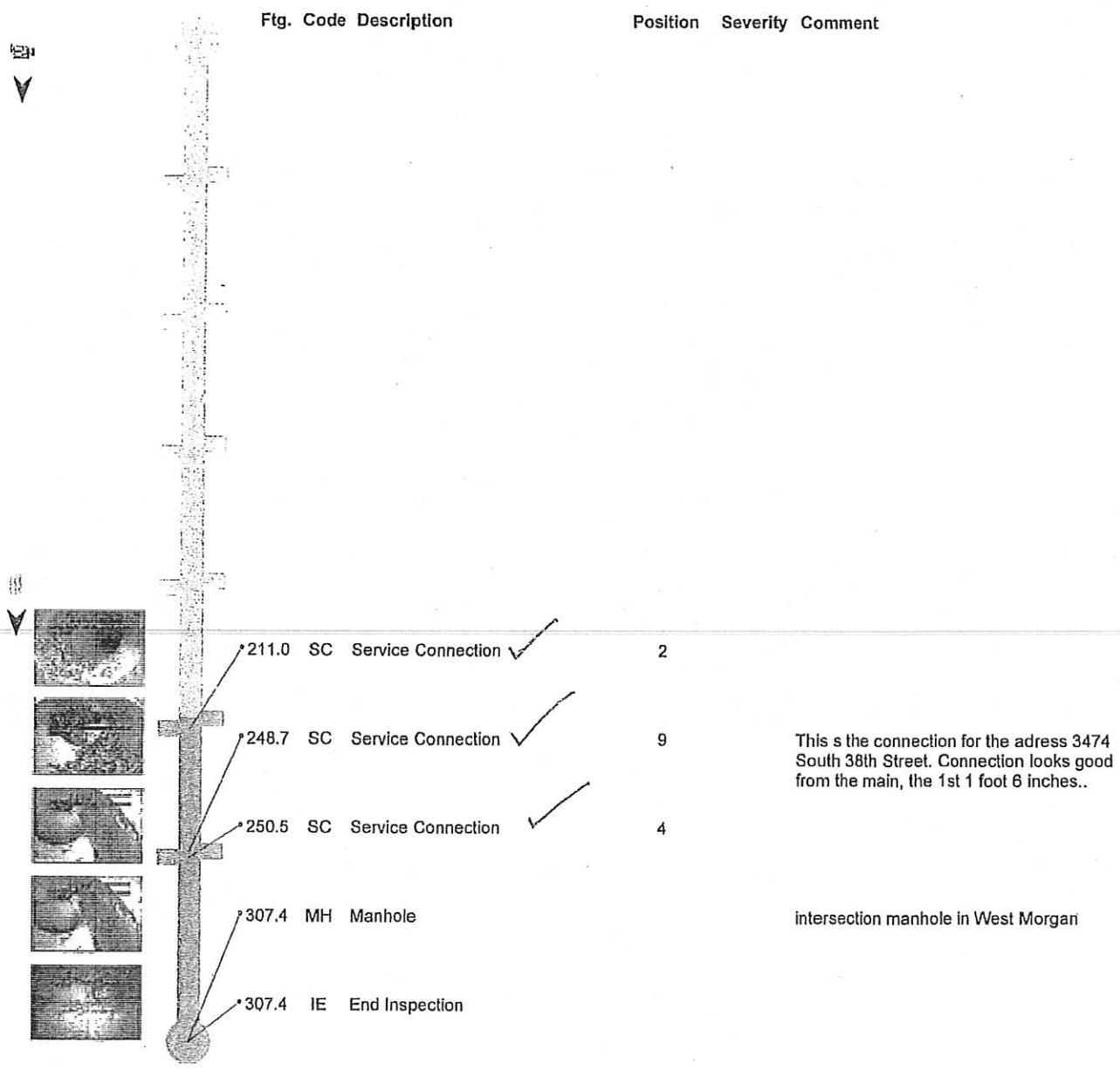
Heading South, for a backwater

	Ftg.	Code	Description	Position	Severity	Comment
	0.0	MH	Manhole			1st manhole North of West Morgan
	6.0	IB	Begin Inspection			
	22.0	G	Grease			
	41.0	SC	Service Connection	10		IR = 100 MB NO WORK 11/30/2017 CLOGGED SEWER ON W. MORGAN BETWEEN S37TH AND S38TH ST.
	43.7	SC	Service Connection	2		
	82.8	SC	Service Connection	10		
	86.3	SC	Service Connection	2		
	123.6	SC	Service Connection	10		
	126.5	SC	Service Connection	2		QCS 11-14-17 CAUSED BACKWATER AT 3474 S 38TH - EXAM TO FOLLOW ON W MORGAN
	165.7	SC	Service Connection	10		
	167.8	SC	Service Connection	2		
	207.8	SC	Service Connection	10		

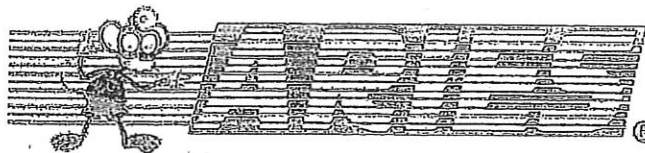
818818



Owner City Of Milwaukee	Customer Jason Sanders	Upstream MH 5	Downstream MH 4	Date 13-Nov-2017
Surveyor Hughes - Sliga	Street 3400 South 38th Street		City Milwaukee	Time
Size 8	Material Polyethylene	Sewer Use Sanitary	Purpose Specials	Length
			(TV'd) 307.4	Pre-Clean No Pre-Cleaning
				Weather Dry
Comments Heading South, for a backwater				



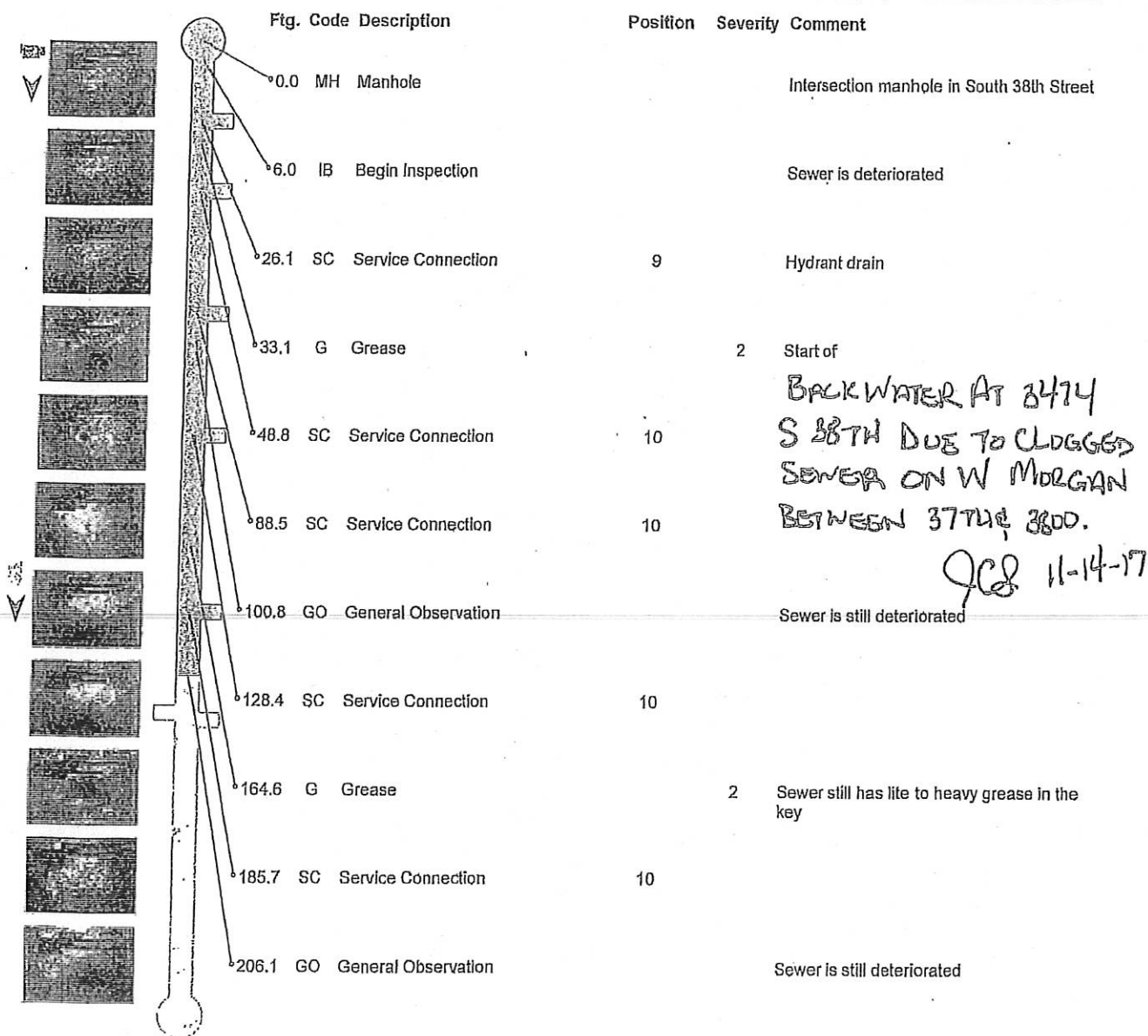
16818



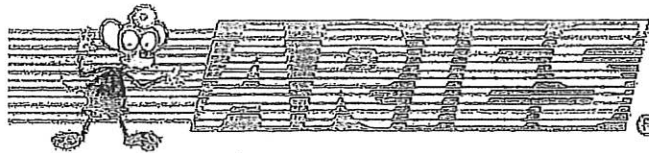
Owner City Of Milwaukee		Customer Jason Sanders		Upstream MH 1	Downstream MH 2	Date 14-Nov-2017
Surveyor Hughes - Sliga		Street 3700 West Morgan, Northside			City Milwaukee	Time
Size 10	Material Concrete Pipe (non-reinforced)	Sewer Use Sanitary	Purpose Specials	Length	(TV'd) 317	Pre-Clean No Pre-Cleaning
						Weather Dry

Comments

Heading East, for a backwater



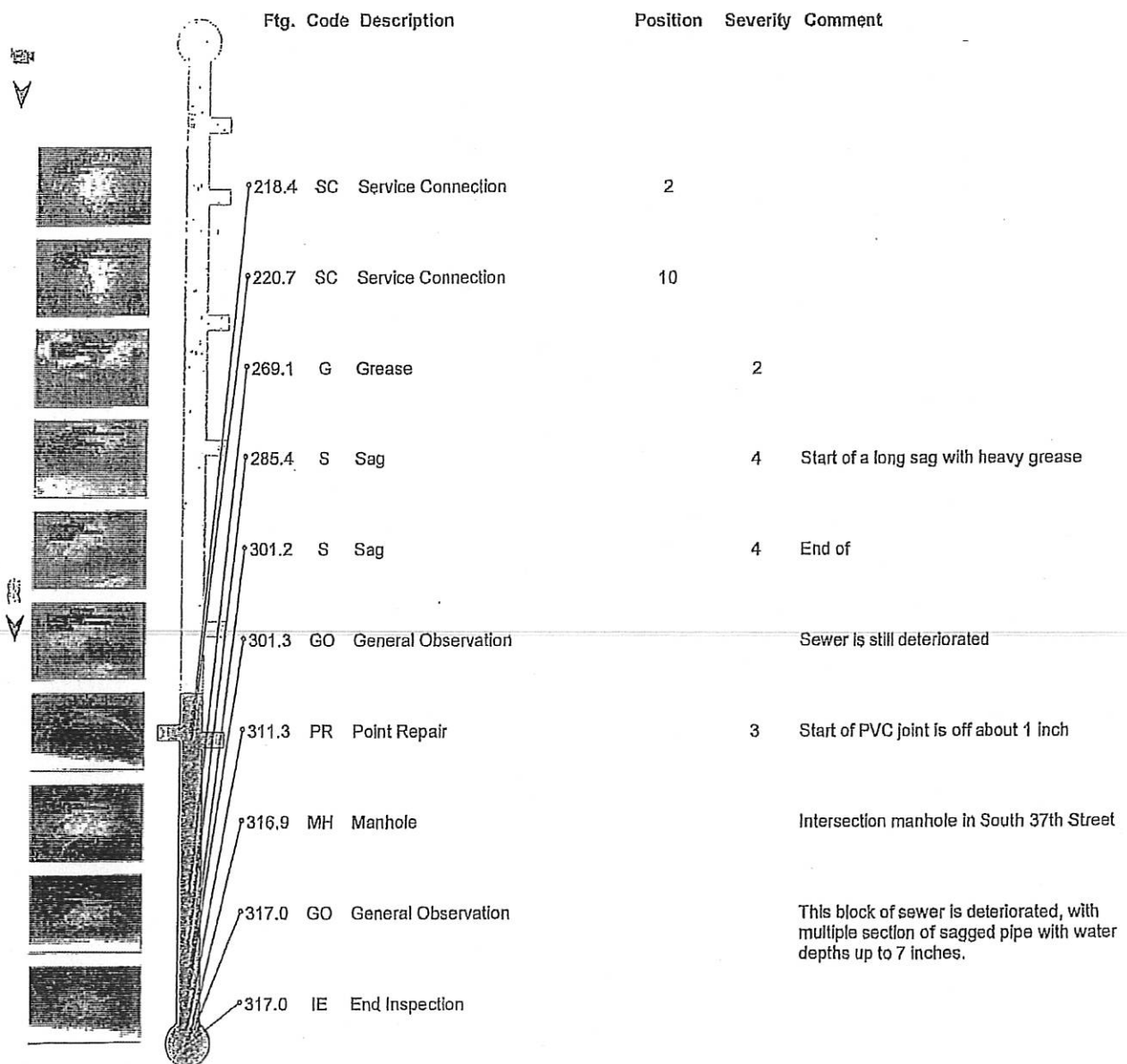
188



Owner City Of Milwaukee	Customer Jason Sanders	Upstream MH 1	Downstream MH 2	Date 14-Nov-2017
Surveyor Hughes - Sliga	Street 3700 West Morgan, Northside	City Milwaukee	Time	
Size 10	Material Concrete Pipe (non-reinforced)	Sewer Use Sanitary	Purpose Specials	Length
			(TV'd) 317	Pre-Clean No Pre-Cleaning
				Weather Dry

Comments

Heading East, for a backwater



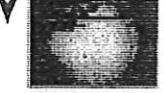
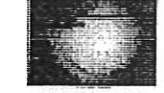
82611



Owner City Of Milwaukee		Customer A. Roemer		Upstream MH 3	Downstream MH 2	Date 07-Dec-2017
Surveyor Hughes - Young		Street 3400 S. 38th Street			City Milwaukee	Time
Size 12	Material Concrete Pipe (non-reinforced)	Sewer Use Stormwater	Purpose Specials	Length	(TV'd) 328.6	Pre-Clean No Pre-Cleaning
						Weather Dry

Comments

Heading South

	Ftg.	Code	Description	Position	Severity	Comment
	6.0	MH	Manhole			Centerline manhole in the intersection of West Holt Avenue and South 38th Street. Depth is 6 feet 4 inches, has good iron and brick.
	6.0	IB	Begin Inspection			Heading South
	37.0	SC	Service Connection	9		
	39.4	SC	Service Connection	3		
	41.7	JO	Joint Offset		2	
	80.8	SC	Service Connection	9		
	82.3	SC	Service Connection (C)	9		
	84.8	SC	Service Connection (C)	3		
	87.1	SC	Service Connection	3		
	87.1	GO	General Observation			Sewer has multiple sags the manhole to this point
	104.4	JO	Joint Offset		2	

IR = 65
MB
12/11/2017
NO WORK

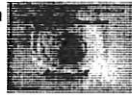
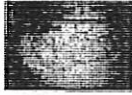
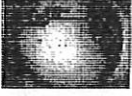
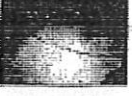
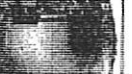
11928



Owner City Of Milwaukee		Customer A. Roemer		Upstream MH 3	Downstream MH 2	Date 07-Dec-2017	
Surveyor Hughes - Young		Street 3400 S. 38th Street			City Milwaukee		Time
Size 12	Material Concrete Pipe (non-reinforced)	Sewer Use Stormwater	Purpose Specials	Length	(TV'd) 328.6	Pre-Clean No Pre-Cleaning	Weather Dry

Comments

Heading South

	Ftg.	Code	Description	Position	Severity	Comment
	119.8	JO	Joint Offset		2	
	122.6	SC	Service Connection ✓	9		
	125.0	SC	Service Connection (C)	3		
	127.2	JO	Joint Offset		2	
	128.3	SC	Service Connection ✓	3		
	135.6	C	Crack	2		In the key and spring line
	137.0	C	Crack	2		In the flowline
	165.5	SC	Service Connection ✓	9		
	167.9	SC	Service Connection (C)	3		
	170.0	JO	Joint Offset		2	
	171.0	SC	Service Connection ✓	3		

11928
2611



Owner City Of Milwaukee		Customer A. Roemer		Upstream MH 3	Downstream MH 2	Date 07-Dec-2017	
Surveyor Hughes - Young		Street 3400 S. 38th Street			City Milwaukee	Time	
Size 12	Material Concrete Pipe (non-reinforced)	Sewer Use Stormwater	Purpose Specials	Length	(TV'd) 328.6	Pre-Clean No Pre-Cleaning	Weather Dry

Comments

Heading South

	Ftg. Code	Description	Position	Severity	Comment
	178.6	GO General Observation			The sags continue throughout the sewer
	205.9	SC Service Connection (C)	9		
	208.2	SC Service Connection ✓	9		
	208.3	SC Service Connection (C)	3		
	213.8	SC Service Connection ✓	3		
	248.7	SC Service Connection ✓	9		
	251.3	SC Service Connection (C)	3		
	253.0	JO Joint Offset		2	
	254.9	SC Service Connection ✓	3		
	291.7	SC Service Connection ✓	9		
	294.0	SC Service Connection (C)	9		

11928



Owner City Of Milwaukee		Customer A. Roemer		Upstream MH 3	Downstream MH 2	Date 07-Dec-2017	
Surveyor Hughes - Young		Street 3400 S. 38th Street			City Milwaukee		Time
Size 12	Material Concrete Pipe (non-reinforced)	Sewer Use Stormwater	Purpose Specials	Length	(TV'd) 328.6	Pre-Clean No Pre-Cleaning	Weather Dry

Comments
Heading South

Ftg. Code Description Position Severity Comment



- 299.2 SC Service Connection ✓ 3
- 328.6 GO General Observation
- 328.6 MH Manhole
- 328.6 IE End Inspection

Multiple sags throughout the sewer from manhole to manhole.

Centerline first manhole South of West Holt Avenue. Depth is 6 feet 4 inches, has good iron and brick.

Heading South

Location: S. 41st St. W. Morgan Ave. Trunk Line
From: S. 35th St.
To: S. 45th St.

System No.	1637	System Plan	553
North of	W. Howard Ave.	To	W. Morgan Ave.
West of	S. 27th St.	To	S. 43rd St.

Sewer Type	Sanitary
Computed By	C. Zirbel
Checked By	F. Lawal
Approved By	
Comp. Date	July 20, 2018

Sewer Design Data:
Sewers designed using Manning's Equation
Manning's $n = 0.013$

[illegible]

054	Cr.	042	Cr.	Dead End? (Y)	Service Area			Flow Data			Design Computations			Inverts		Remarks						
Location	From MH No. Description	To MH No. Description	Cr.		Ind. Area	Total Zoning Area	Total Zoning Area	Zoning Coeff.	Flow cfs	Sub-Total cfs	Total Q cfs	Length feet	Min. Vol. ft/sec	Req. Drop feet	Actual Drop feet	Part. Full %	Surch. feet	Vel. ft/sec	Inlet Elev.	Outlet Elev.	Analysis	
3750 S. Cherokee Way	554C 042	7th MH Along S. Centennial Cr.			0	3.9	3.9 RS1	0.02	0.0088	0.078	0.078	95	0	0.00472	0.45	8	0.2	1.46925		119.16	118.71	Analysis
	554C 040	8th MH Along S. Centennial Cr.			0	0	0	0														
	554C 023	N. X of S. Cherokee Way & S. Centennial Cr.			0.31	4.21	4.21 RS1	0.02	0.0062	0.0842	0.0842	126	0	0.0073	0.57	8	0.21	1.47785		118.5	117.93	Analysis
	554C 024	N. X of S. Cherokee Way & S. Centennial Cr.			0	0	0	0														
W. Stonebridge Ct.	554C 024	1st MH S. of W. Stonebridge Ct.			0.55	9.98	9.98 RS1	0	0	0.1788	0.1788	98.3	0	0.02559	0.58	8	0.29	2.03174		117.84	117.26	Analysis
	554C 026	X of W. Stonebridge Ct. & S. Cherokee Way		Y	0	0	0	0														
	554C 034	4th MH N. of S. Cherokee Way.			0	0	0	0														
	554C 034	4th MH N. of S. Cherokee Way.			1.42	1.42	1.42 RS1	0.02	0.0284	0.0284	0.0284	216.5	0	0.00143	1.44	8	0.11	1.20559		118.8	117.36	Analysis
3770 S. Cherokee Way	554C 033	3rd MH W. of S. Cherokee Way.			0	0	0	0														
	554C 033	3rd MH W. of S. Cherokee Way.			0.55	1.97	1.97 RS1	0.02	0.011	0.0394	0.0394	99	0	0.00126	0.78	8	0.13	1.45736		117.28	116.5	Analysis
	554C 031	2nd MH W. of S. Cherokee Way.			0	0	0	0														
	554C 028	1st MH W. of S. Cherokee Way.			0.46	2.43	2.43 RS1	0.02	0.0092	0.0486	0.0486	76.5	0	0.00148	0.23	8	0.18	1.09021		116.26	116.03	Analysis
3725 S. Cherokee Way	554C 028	1st MH W. of S. Cherokee Way.			0	0	0	0														
	554C 026	X of W. Stonebridge Ct. & S. Cherokee Way			0.24	2.67	2.67 RS1	0.02	0.0046	0.0534	0.0534	76	0	0.00177	0.5	8	0.15	1.45561		115.76	115.26	Analysis
	554C 027	X of W. Stonebridge Ct. & S. Cherokee Way			0	0	0	0														
	554C 027	X of W. Stonebridge Ct. & S. Cherokee Way			0.22	2.89	2.89 RS1	0.02	0.0044	0.0578	0.0578	83.4	0	0.00228	0.6	8	0.16	1.50398		115.06	114.46	Analysis
3770 S. Cherokee Way	554C 026	X of W. Stonebridge Ct. & S. Cherokee Way			0	0	0	0														
	554C 026	X of W. Stonebridge Ct. & S. Cherokee Way			0	12.87	12.87	0	0	0.2365	0.2365	29.21	0	0.01337	0.11	8	0.38	1.87451		114.46	114.35	Analysis

554C 027	Stoneridge Ct. & S. Cherokee PL	554C 003	Stoneridge Ct. & S. Cherokee PL	0	27.33	27.33	0	0.80737	0.80737	32	0	0.04978	0.41	10	0.39	4.06234	112.19	111.77	Analysis			
Location																						
Street	From MH No.	To MH No.	Description	Dead End? (Y)	Incl. Area	Total Zoning Area	Zoning Coeff.	Flow total cfs	Sub- total cfs	Length ft	Min. Vel. ft/sec	Req. Drop feet	Actual Drop feet	Parts Full %	Surch. feet	Vel ft/sec	Inlet Elev.	Disch. Elev.	Remarks			
3750 S. Cherokee Way (W)	554C 003	554B 021	X of S. Cherokee Way & S. Cherokee Way E/S	Y	0.39	27.72	27.72 RS1	0.02	0.0078	0.81577	0.81577	203.3	0	0.32237	0.64	10	0.59	2.41139	111.77	111.13	Analysis	
	554B 028	3rd MH W. of X of S. Cherokee Way & S. Cherokee Way E/S	554B 027	Cherokee Way & S. Cherokee Way E/S		0.88	0.88 RS1	0.02	0.0776	0.0176	0.0176	56.9	0	0.00074	1.01	8	0.07	1.47527	129.23	128.22	Analysis	
	554B 027	Cherokee Way & S. Cherokee Way E/S	554B 022	1st MH W. of X of S. Cherokee Way & S. Cherokee Way E/S		0.56	1.44	1.44 RS1	0.02	0.0112	0.0288	0.0288	57	0	0.00039	0.81	8	0.09	1.55171	127.88	127.07	Analysis
3600 S. Cherokee Way (E)	554B 022	1st MH W. of X of S. Cherokee Way & S. Cherokee Way E/S	554B 021	X of S. Cherokee Way & S. Cherokee Way E/S		0.15	1.59	1.59 RS1	0.02	0.003	0.0318	0.0318	87.6	0	0.00072	1.01	8	0.1	1.49461	126.96	125.95	Analysis
	554B 021	X of S. Cherokee Way & S. Cherokee Way E/S	554B 006	1st MH N. of X of S. Cherokee Way & S. Cherokee Way E/S		0.62	28.33	28.33 RS1	0.02	0.0124	0.85967	0.85967	125.1	0	0.22045	0.2	10	0.8	0.02045	1.836	111.13	110.95
W. Willow Way	554B 006	1st MH N. of X of S. Cherokee Way & S. Cherokee Way E/S	554B 020	X of S. 41st St. & S. Cherokee Way	Y	0.97	30.9	30.9 RS1	0.02	0.0194	0.87937	0.87937	269.9	0	0.49731	0.93	10	0.6	2.53701	110.93	110	Analysis
	554B 042	1st MH E. of S. Miller Park Way	554B 041	2nd MH E. of S. Miller Park Way		0.82	0.82	0.82 RT1	0.025	0.0205	0.0205	0.0205	104	0	0.00036	4.59	8	0.06	2.10748	124.24	129.65	Analysis
	554B 041	2nd MH E. of S. Miller Park Way	554B 040	3rd MH E. of S. Miller Park Way		0.9	1.72	1.72 RT1	0.025	0.0225	0.043	0.043	69.6	0	0.00105	3.55	8	0.09	2.72812	129.61	126.06	Analysis
	554B 040	3rd MH E. of S. Miller Park Way	554B 011	X of W. Willow Way & S. 41st St.	Y	0.25	1.97	1.97 RT1	0.025	0.00925	0.04925	0.04925	104	0	0.00206	1.9	8	0.11	1.99869	125.77	123.87	Analysis
3700 S. Cherokee Way (W)	554B 032	2nd MH S. of W. Willow Way	554B 033	1st MH S. of W. Willow Way		1.14	1.14	1.14 RT1	0.025	0.0285	0.0285	0.0285	183.2	0	0.00122	4.79	8	0.08	1.95326	129.39	124.5	Analysis

[illegible]

3400 S. 37th St.		004	Ave.	D13	Ave.	Y	0.63	68.06	68.06 PK	0.02	0.0128	2.78117	2.78117	320	0	5.88773	1.5	10 Surch.	4.39773	5.09918	90.75	89.25	Analysis
532D	2nd MH N. of S. Princeton Ave.	801		532D	015		0	0	0	0	0	0	0										
	1st MH N. of S. Princeton Ave.						1.71	1.71	1.71 RS6	0.022	0.03762	0.03762	0.03762	257	0	0.00297	6	8	0.09	1.98891	107.52	101.52	Analysis
Location																							
Street	From MH No.	To MH No.	Description	Dead End? (Y)	Inlet Area	Total Zoning Area	Zoning	Coef.	Flow cfs	Sub-total cfs	Total Q	Length feet	Min. Vel. ft/sec	Req. Drop feet	Actual Drop feet	Part. Full %	Surch. feet	Vol ft/sec	Inlet Elev.	Disch. Elev.	Remarks		
	532D	532D	Y of S. Princeton Ave. & S. 37th St.		1.71	3.42	3.42 RS6	0.022	0.03762	0.03762	0.03762	321.3	0	0.01487	9.39	8	0.13	2.86682	101.52	92.13	Analysis		
3400 S. Princeton Ave.																							
532D	4th MH NW of S. 37th St.	030					1.54	1.54	1.54 RS6	0.022	0.03388	0.03388	0.03388	159	0	0.00149	1.5	8	0.11	1.43626	104	102.5	Analysis
532D	3rd MH NW of S. 37th St.	029					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
532D	2nd MH NW of S. 37th St.	028					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
532D	1st MH NW of S. 37th St.	027					0.79	2.13	2.13 RS6	0.022	0.01738	0.05126	0.05126	147	0	0.00316	3.5	8	0.11	2.28171	102.5	99	Analysis
532D	2nd MH NW of S. 37th St.	026					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
532D	1st MH NW of S. 37th St.	014					0.49	2.82	2.82 RS6	0.022	0.01078	0.06204	0.06204	166	0	0.00522	3	8	0.13	2.20721	99	95	Analysis
532D	X of S. Princeton Ave. & S. 37th St.	013					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
532D	X of S. 37th St. & W. Morgan Ave.	013					0.27	3.09	3.09 RS6	0.022	0.00594	0.06798	0.06798	181	0	0.00684	3	8	0.14	2.21209	95	92	Analysis
532D	X of S. 37th St. & W. Morgan Ave.	013					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
532D	X of S. 37th St. & W. Morgan Ave.	013					0.21	6.72	6.72 RS6	0.022	0.00462	0.14784	0.14784	73.9	0	0.0132	2.13	8	0.16	3.40031	91.14	85.01	Analysis
532D	X of S. 37th St. & W. Morgan Ave.	067					1.35	76.13	76.13 RS6	0.022	0.0297	2.95871	2.95871	310.49	0	6.47638	3.25	10 Surch.	3.22638	5.4247	89.25	86	Analysis
532D	Split MH at X of W. Morgan Ave & S. 35th St.	800					1.19	77.32	77.32 RS6	0.022	0.02618	2.98489	2.98489	310	0	6.58109	3.7	10 Surch.	2.89109	5.4247	86	82.3	Analysis