

SEWER ENGINEER'S REPORT

Proposed Addition to **HOSPITALITY HOUSE 271 CENTRAL AVENUE**

City of Albany
County of Albany
State of New York

Applicant:
Hospitality House TC, Inc.



Prepared by:
HERSHBERG & HERSHBERG
CONSULTING ENGINEERS

18 Locust Street
Albany, New York 12203
Phone: (518) 459-3096
Fax: (518) 459-5683
Web Site: Hershberg.com

January 29, 2022

INTRODUCTION

Hershberg & Hershberg, Consulting Engineers and Land Surveyors, were retained by Hospitality House TC, Inc. (hereinafter the “Applicant”) as site engineer for the improvement of the Hospitality House at 271 Central Avenue.

DESCRIPTION OF EXISTING SITE:

PARCEL AREA

The project area is currently occupied by the Hospitality House 72 bed residential facility. There is a 3-story structure on Central Avenue with a one-story addition to the rear of No. 269 Central Avenue. There is a 7-car parking lot on the Sherman Street side accessed from Sherman Street. The existing operation requires 38 employees working in 3 shifts. The proposal will consolidate four lots at No. 269 Central Avenue (TID #’65.63-2-68), No. 271 Central Avenue (TID #’65.63-2-69), No. 98 North Lake Avenue (TID #’65.63-2-70) & No. 260 Sherman Street, (TID #’65.63-2-71) into a single lot with the address of No. 271 Central Avenue having an area of 12,480 SF or 0.29 acre. Aerial view of the site is shown in Fig. No. 1.



Fig. No. 1 - Aerial Photo of Existing Site

EXISTING USAGE

The project area is currently occupied by the Hospitality House 72 bed residential facility. There is a 3-story structure on Central Avenue with a one-story addition to the rear of No. 269 Central Avenue. There is a 7-car parking lot on the Sherman Street side accessed from Sherman Street. The existing operation requires 38 employees working in 3 shifts. During the pandemic, residents level dropped from 65-72 to the low 50's during 2000 and to 45 during 2021.

DESCRIPTION OF INTENDED SITE DEVELOPMENT AND USE

Applicant proposes to maintain the current 72 bed count under license by New York State Office of Alcoholism and Substance Abuse Services (OASAS) at the current site. The building size however will be increased from 13,000 SF to 34,000 SF to meet current OASAS guidelines for Stabilization and Rehabilitation Services and to house Hospitality House's central administrative needs.

In order to keep Hospitality House's treatment program operational during construction, the project will need to be constructed in two phases. Phase 1 will involve the construction of a new four-story addition on the property north of their existing building adjoining Sherman Street. Phase 2 would involve the complete renovation of the existing building. Construction duration for the entire project is expected to be 30 months. During the construction period, the number of clients served will need to be temporarily reduced to approximately 48 residents. After rehabilitation and new construction are complete the resident count would return to 72 and the employees would increase to 65 working in 3 shifts.

EXISTING WATER USE

A review of past water bills showed a decrease in water use in 2020 and 2021 as during the pandemic, residents level dropped from 65-72 to the low 50's during 2000 and to 45 during 2021. The average daily use during 2016 & 2017 was 3,204 GPD. See summary below.

No. 271 CENTRAL AVENUE HISTORIC WATER USE			
<u>Year Ending</u>	<u>Water USE (CF)</u>	<u>Water Use (Gallons)</u>	<u>Daily Use (GPD)</u>
10/1/2021	94,600	708,554	1941
10/1/2020	103,300	773,717	2131
10/3/2019	124,700	934,003	2552
10/2/2018	137,300	1,028,377	2817
10/3/2017	155,800	1,166,942	3197
10/3/2016	156,500	1,172,185	3211
Total	772,200	5,783,778	2641
Average for 2016 & 2017			3204

Fig. No. 2 – Historic Water Use

SEWAGE GENERATION

In order to compare actual water use with figures based upon the *New York State Design Standards for Intermediate Sized Wastewater Treatment Systems* (March 5, 2014)¹, the estimated daily sewage generation is shown below.

Historic Sewage Generation Calculations 271 Central Avenue

<u>Use</u>	<u>Unit</u>	<u>Value</u>	<u>Usage Per Unit per</u> <u>day(GPD) See Note 1</u>	<u>Daily Use (GPD)</u>
Residential Beds	Bed	72	110	7920
Office	employee	38	15	570
TOTAL ESTIMATED WATER USE				8490
NET ESTIMATED WATER USE				8490
Average Daily Water Use in GPM		5.90		
Peak Water Use in GPM @ 400%		23.58		
Average Daily Water Use in GPD		8490		
Peak Daily Water Use Increase in GPD		33960		

1) Source: New York State Design Standards for Intermediate Sized Wastewater Treatment Systems

Fig. No. 3 – Historic Theoretical Sewage Generation

Based on the comparison of actual water use under full occupancy (3,204 GPD – see Fig. No. 2) with the theoretical historic sewer generation (8,490 GPD – see Fig. No. 3) indicate that the proper correction factor is approximately 37.7%.

¹ *New York State Design Standards for Intermediate Sized Wastewater Treatment Systems* (March 5, 2014)

The projected future sewage generation with figures based upon the *New York State Design Standards for Intermediate Sized Wastewater Treatment Systems* (March 5, 2014)², The estimated daily sewage generation is shown below as 8,895 GPD.

Projected Theoretical Sewage Generation Calculations
271 Central Avenue

<u>Use</u>	<u>Unit</u>	<u>Value</u>	<u>Usage Per Unit per</u> <u>day(GPD) See Note 1</u>	<u>Daily Use (GPD)</u>
Residential Beds	Bed	72	110	7920
Office	employee	65	15	975
TOTAL ESTIMATED WATER USE				8895
NET ESTIMATED WATER USE				8895
Average Daily Water Use	in GPM	6.18		
Peak Water Use	in GPM @ 400%	24.71		
Average Daily Water Use	in GPD	8895		
Peak Daily Water Use Increase	in GPD	35580		

1) Source: New York State Design Standards for Intermediate Sized Wastewater Treatment Systems

Fig. No. 4 – Projected Theoretical Sewage Generation

The 8,895 GPD corrected by the relationship between theoretical and actual use (37.7%) results in an average daily flow of 3,353 GPD (2.33 GPM or .005 CFS). Peak flow at 400% is .020 CFS. This exceeds the actual use at peak occupancy by 149 GPD (0.10 GPM or .0002CFS).

SEWER SYSTEM

Public sewer service is currently provided to the property by the Albany Water Board. A 15" Vitrified Clay Combined Sewer Pipe is within the sidewalk area of Central Avenue. An 18" Brick & Stone Combined Sewer Pipe is in the center of Sherman Street. A portion of Sewer Atlas Sheet 28 is reproduced below.

² *New York State Design Standards for Intermediate Sized Wastewater Treatment Systems* (March 5, 2014)

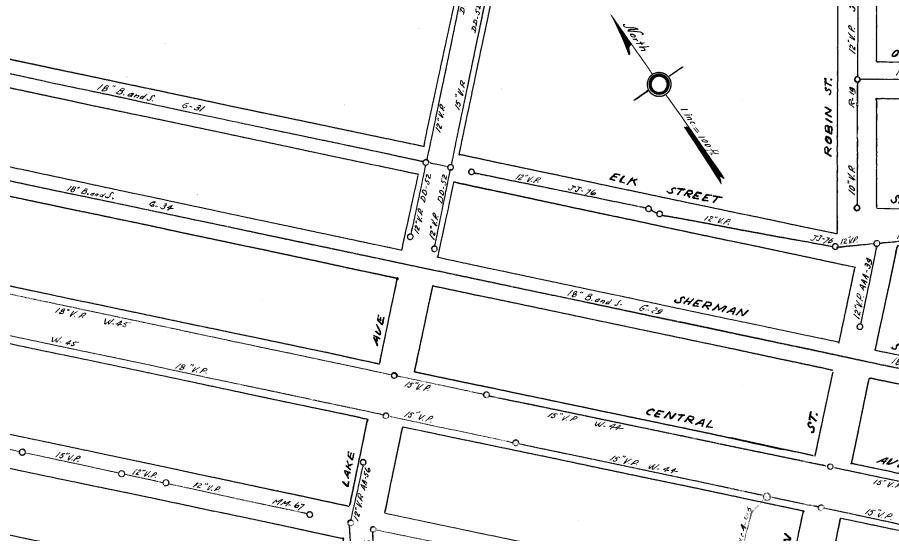


Fig. No. 5 – Portion of Sewer Atlas Sheet No. 28

The proposed sewer connection is to the Brick & Stone Combined Sewer Pipe in the center of Sherman Street. The flowing full capacity of that pipe at 7.66 CFS is computed below:

PROJECT: Hospitality House - 271 Central Avenue								
FILE NAME: 210144 Pipe Calc SANITARY SEWER								
THE FOLLOWING, IS THE CALCULATION FOR PIPES FLOWING FULL AS STATED IN THE CHEZY-MANNING FORMULA, WHERE:								
Qp = PROJECTED DISCHARGE								
Q MAX = DISCHARGE FOR PIPE FLOWING FULL IN C.F.S.								
n = COEFFICIENT OF ROUGHNESS								
A = CROSS SECTIONAL AREA OF FLOW IN SQUARE FEET								
R = HYDRAULIC RADIUS IN FT.								
S = SLOPE IN FT./FT.								
Vm = VELOCITY OF PIPE FLOWING FULL IN FT./SEC.								
D = PIPE DIAMETER IN INCHES								
Vp = PROJECTED VELOCITY IN FT./SEC.								
LOCATION	Q MAX	n	A	R	S	Vm	D	Vp
Sherman St.	7.66	0.015	1.766	0.375	0.0070	4.3	18	11.8

Fig. No. 6 – Pipe Flow Calculation

The peak flow of 0.020 CFS represents 0.26% of the flowing full capacity.

COMBINED SEWER OVERFLOW BEST MANAGEMENT PRACTICES

NYSDEC issued a City of Albany Combined Sewer Overflow SPDES Permit, DEC ID#s 4-0101-00012/00001 SPDES #s NY0025747 on November 30, 2018. It included fifteen Best Management Practices which are reviewed below:

1. CSO Operation/Maintenance/Inspection – Not Applicable to this project although maintenance and inspection of Storm Water Management System is covered by maintenance agreement.
2. Maximum Use of Collection System for Storage – Not Applicable
3. Industrial Pretreatment — There are industrial discharges and no toxic substances which will be discharged to the combined sewer.
4. Maximize Flow to POTW_ -Not applicable.
5. Wet Weather Operating Plan -Not applicable
6. Prohibition of Dry Weather Overflow – Dry weather overflows from the combined sewer system (CSS) are prohibited. Sewer outfalls from the site are separated into storm and sanitary sewer laterals. Dry weather flow can be accommodated from this site as shown by the minimal impact of the sewer indicated above. This site is tributary to the Albany Interceptor Sewer through controls at Orange and Montgomery Street. Dry Weather overflows have not occurred at this location.
7. Control of Floatable and Settleable Solids - The Applicant will provide a notice to residents that deposition of oil/grease or toilet litter is not allowed.
8. Combined Sewer System Replacement – Not applicable.

9. Sewer/Extension – Sewer/extension, when approved by the Department, should be accomplished using separate sewers. Sewer outfalls from the site are separated into storm and sanitary sewer laterals without interconnections. The increase in flow is only 149 GPD (0.0002 CFS). By instituting the storm water management system, the flow to this system will be reduced at the 100-year storm from 1.75 CFS to 0.83 CFS a reduction of 0.92 CFS which is 4000 times the increase in sanitary flow. The flow to 18” brick and stone sewer combined sewer at the 10-year storm by instituting the storm water management the flow to this system will be reduced from 0.93 CFS to 0.53 CFS a reduction of 0.40 CFS which is 2000 times the increase in sanitary flow. During the 1 year storm flow will be reduced from 0.33 CFS to 0.31 CFS a reduction of 0.02 CFS which is 100 times the increase in sanitary flow.
10. Sewage Backups - There have been no documented, recurrent instances of sewage backing up into house(s) or discharges of raw sewage onto the ground surface from surcharging manholes. Since the combined flow to the combined sewer on Sherman Street is reduced for all storms from the 1 year to the 100 year storm frequencies this project will not make potential surcharging/back-up problems worse.
11. Septage and Hauled Waste - Not Applicable.
12. Control of Run-off - The impacts of run-off from development and re-development in areas served by combined sewers shall be reduced by requiring compliance with the New York Standards for Erosion and Sediment Control and the quantity control requirements included in the New York State Stormwater Management Design Manual. The combined flow to the combined sewer on Sherman Street is reduced for all storms from the 1 year to the 100 year storm frequencies for this project through the use of a blue roof and underground pipe storage gallery.

- 13. Public Notification - Not Applicable.
- 14. Characterization and Monitoring -Not Applicable
- 15. Annual report - Not Applicable.

SEWER DISTRICT

The existing site is tributary to the Central Area Sewer District (see map below).

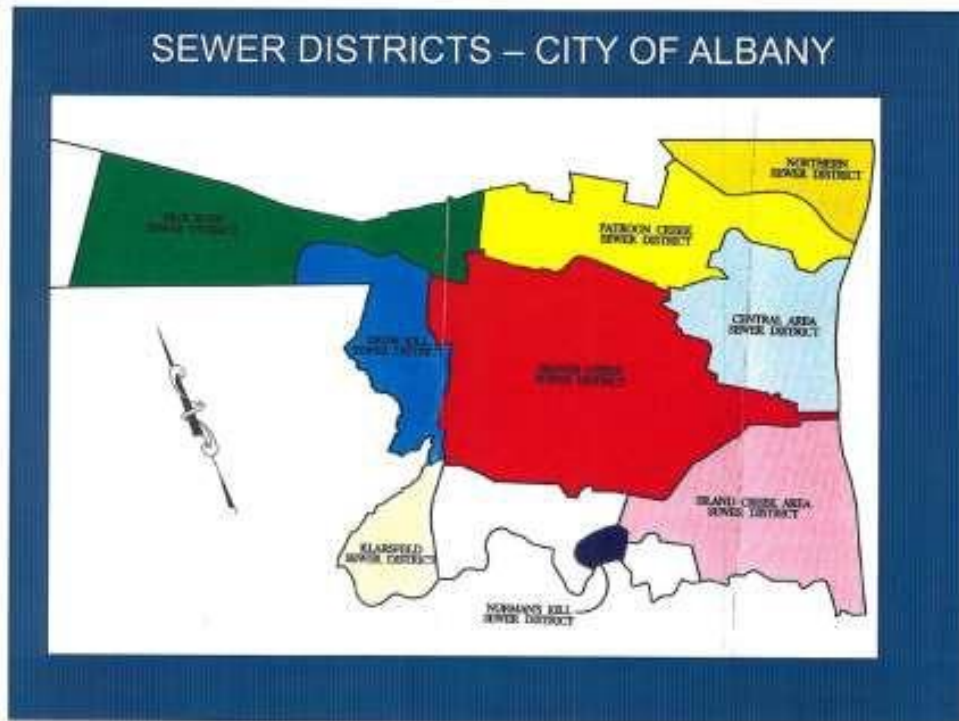


Fig. No. 7- Albany Sewer District Map

CONCLUSION:

It is the Engineer's opinion that this project can be served by existing public combined sewer system with minimal impact on the system.

Prepared by:



A handwritten signature in cursive script, appearing to read "D. Hershberg", written over a horizontal line.

HERSHBERG & HERSHBERG
Daniel R. Hershberg, P.E. & L.S.

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APPENDIX 1

WATER USE AT 271 CENTRAL AVENUE

Utility Billing

Account History Report

User: ascheely
 Printed: 01/28/2022 - 9:13AM



Account Status: Active
Connect Date: 01/01/2004 **Final Date:**
Customer Name: HOSPITALITY HOUSE INC
Care Of:
Customer Address: 271 CENTRAL AVE
 ALBANY, NY 12206

Total Account Balance: 0.00
Total Deposits: 0.00 **Total Refunds:** 0.00

Owner Name:
Service Address: 271 CENTRAL AVE

Home Phone: (518) 423-9061 **Ext:**
Business Phone: **Ext:**
Account Number: 012339-000 **Reference Number:** 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
Current Balance By Service				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/06/2022	Payment		-1,699.32	-849.66	-849.66	0.00	0.00	0.00	0.00	0.00	0.00
12/01/2021	Balance		1,699.32	849.66	849.66	0.00	0.00	0.00	0.00	0.00	0.00
12/01/2021	Billing		1,699.32	849.66	849.66	0.00	0.00	0.00	0.00	0.00	0.00
11/22/2021	Adjustment	Collection	-99.88	0.00	0.00	0.00	0.00	0.00	-99.88	0.00	0.00
10/04/2021	Payment		-1,664.64	-832.32	-832.32	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2021	Adjustment	Past Due	16.65	0.00	0.00	0.00	0.00	0.00	16.65	0.00	0.00
09/10/2021	Adjustment	Past Due	83.23	0.00	0.00	0.00	0.00	0.00	83.23	0.00	0.00
07/06/2021	Billing		1,664.64	832.32	832.32	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2021	Balance		1,664.64	832.32	832.32	0.00	0.00	0.00	0.00	0.00	0.00
04/13/2021	Payment		-300.00	0.00	0.00	-300.00	0.00	0.00	0.00	0.00	0.00
04/13/2021	Payment		-2,066.90	-1,033.45	-1,033.45	0.00	0.00	0.00	0.00	0.00	0.00
03/12/2021	Billing		300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00
03/03/2021	Billing		2,066.90	1,033.45	1,033.45	0.00	0.00	0.00	0.00	0.00	0.00
03/03/2021	Balance		2,066.90	1,033.45	1,033.45	0.00	0.00	0.00	0.00	0.00	0.00
12/30/2020	Payment		-1,768.86	-884.43	-884.43	0.00	0.00	0.00	0.00	0.00	0.00

Account Number: 012339-000

Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
11/23/2020	Balance		1,768.86	884.43	884.43	0.00	0.00	0.00	0.00	0.00	0.00
11/23/2020	Billing		1,768.86	884.43	884.43	0.00	0.00	0.00	0.00	0.00	0.00
07/31/2020	Payment		-1,780.02	-890.01	-890.01	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2020	Balance		1,780.02	890.01	890.01	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2020	Billing		1,780.02	890.01	890.01	0.00	0.00	0.00	0.00	0.00	0.00
04/08/2020	Payment		-2,487.24	-1,093.62	-1,093.62	-300.00	0.00	0.00	0.00	0.00	0.00
03/03/2020	Balance		2,487.24	1,093.62	1,093.62	300.00	0.00	0.00	0.00	0.00	0.00
03/03/2020	Billing		2,487.24	1,093.62	1,093.62	300.00	0.00	0.00	0.00	0.00	0.00
01/06/2020	Payment		-2,034.56	-1,017.28	-1,017.28	0.00	0.00	0.00	0.00	0.00	0.00
12/03/2019	Billing		2,034.56	1,017.28	1,017.28	0.00	0.00	0.00	0.00	0.00	0.00
12/03/2019	Balance		2,034.56	1,017.28	1,017.28	0.00	0.00	0.00	0.00	0.00	0.00
08/08/2019	Payment		-2,252.16	-1,126.08	-1,126.08	0.00	0.00	0.00	0.00	0.00	0.00
		Check No: 21233									
07/02/2019	Balance		2,252.16	1,126.08	1,126.08	0.00	0.00	0.00	0.00	0.00	0.00
07/02/2019	Billing		2,252.16	1,126.08	1,126.08	0.00	0.00	0.00	0.00	0.00	0.00
03/26/2019	Payment		-2,751.06	-1,225.53	-1,225.53	-300.00	0.00	0.00	0.00	0.00	0.00
03/05/2019	Balance		2,751.06	1,225.53	1,225.53	300.00	0.00	0.00	0.00	0.00	0.00
03/05/2019	Billing		2,751.06	1,225.53	1,225.53	300.00	0.00	0.00	0.00	0.00	0.00
12/19/2018	Payment		-2,435.04	-1,217.52	-1,217.52	0.00	0.00	0.00	0.00	0.00	0.00
11/30/2018	Billing		2,435.04	1,217.52	1,217.52	0.00	0.00	0.00	0.00	0.00	0.00
11/30/2018	Balance		2,435.04	1,217.52	1,217.52	0.00	0.00	0.00	0.00	0.00	0.00
07/27/2018	Payment		-2,467.08	-1,233.54	-1,233.54	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2018	Billing		2,467.08	1,233.54	1,233.54	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2018	Balance		2,467.08	1,233.54	1,233.54	0.00	0.00	0.00	0.00	0.00	0.00
04/03/2018	Payment		-2,725.70	-1,214.85	-1,214.85	-296.00	0.00	0.00	0.00	0.00	0.00
03/06/2018	Billing		2,725.70	1,214.85	1,214.85	296.00	0.00	0.00	0.00	0.00	0.00
03/06/2018	Balance		2,725.70	1,214.85	1,214.85	296.00	0.00	0.00	0.00	0.00	0.00
12/19/2017	Payment		-2,483.10	-1,241.55	-1,241.55	0.00	0.00	0.00	0.00	0.00	0.00
11/24/2017	Balance		2,483.10	1,241.55	1,241.55	0.00	0.00	0.00	0.00	0.00	0.00

Account Number: 012339-000

Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
11/24/2017	Billing		2,483.10	1,241.55	1,241.55	0.00	0.00	0.00	0.00	0.00	0.00
08/02/2017	Payment		-3,113.22	-1,556.61	-1,556.61	0.00	0.00	0.00	0.00	0.00	0.00
07/07/2017	Balance		3,113.22	1,556.61	1,556.61	0.00	0.00	0.00	0.00	0.00	0.00
07/07/2017	Billing		3,113.22	1,556.61	1,556.61	0.00	0.00	0.00	0.00	0.00	0.00
03/20/2017	Payment		-3,019.40	-1,361.70	-1,361.70	-296.00	0.00	0.00	0.00	0.00	0.00
03/03/2017	Billing		3,019.40	1,361.70	1,361.70	296.00	0.00	0.00	0.00	0.00	0.00
03/03/2017	Balance		3,019.40	1,361.70	1,361.70	296.00	0.00	0.00	0.00	0.00	0.00
12/20/2016	Payment		-2,707.38	-1,353.69	-1,353.69	0.00	0.00	0.00	0.00	0.00	0.00
11/29/2016	Balance		2,707.38	1,353.69	1,353.69	0.00	0.00	0.00	0.00	0.00	0.00
11/29/2016	Billing		2,707.38	1,353.69	1,353.69	0.00	0.00	0.00	0.00	0.00	0.00
07/27/2016	Payment		-2,675.34	-1,337.67	-1,337.67	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2016	Billing		2,675.34	1,337.67	1,337.67	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2016	Balance		2,675.34	1,337.67	1,337.67	0.00	0.00	0.00	0.00	0.00	0.00
03/16/2016	Payment		-3,270.38	-1,487.19	-1,487.19	-296.00	0.00	0.00	0.00	0.00	0.00
03/04/2016	Billing		3,270.38	1,487.19	1,487.19	296.00	0.00	0.00	0.00	0.00	0.00
03/04/2016	Balance		3,270.38	1,487.19	1,487.19	296.00	0.00	0.00	0.00	0.00	0.00
12/16/2015	Payment		-3,011.76	-1,505.88	-1,505.88	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2015	Billing		3,011.76	1,505.88	1,505.88	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2015	Balance		3,011.76	1,505.88	1,505.88	0.00	0.00	0.00	0.00	0.00	0.00
07/20/2015	Payment		-3,070.50	-1,535.25	-1,535.25	0.00	0.00	0.00	0.00	0.00	0.00
07/09/2015	Balance		3,070.50	1,535.25	1,535.25	0.00	0.00	0.00	0.00	0.00	0.00
07/09/2015	Billing		3,070.50	1,535.25	1,535.25	0.00	0.00	0.00	0.00	0.00	0.00
03/25/2015	Payment		-3,243.68	-1,473.84	-1,473.84	-296.00	0.00	0.00	0.00	0.00	0.00
03/06/2015	Billing		3,243.68	1,473.84	1,473.84	296.00	0.00	0.00	0.00	0.00	0.00
03/06/2015	Balance		3,243.68	1,473.84	1,473.84	296.00	0.00	0.00	0.00	0.00	0.00
12/24/2014	CONVERT	Convert Payment	-3,102.54	-1,551.27	-1,551.27	0.00	0.00	0.00	0.00	0.00	0.00
11/25/2014	Balance		3,102.54	1,551.27	1,551.27	0.00	0.00	0.00	0.00	0.00	0.00
11/25/2014	CONVERT	Convert Billing	3,102.54	1,551.27	1,551.27	0.00	0.00	0.00	0.00	0.00	0.00
07/31/2014	CONVERT	Convert Payment	-2,851.56	-1,425.78	-1,425.78	0.00	0.00	0.00	0.00	0.00	0.00

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
07/08/2014	CONVERT	Convert Billing	2,851.56	1,425.78	1,425.78	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2014	Balance		2,851.56	1,425.78	1,425.78	0.00	0.00	0.00	0.00	0.00	0.00
03/25/2014	CONVERT	Convert Payment	-3,062.12	-1,383.06	-1,383.06	-296.00	0.00	0.00	0.00	0.00	0.00
03/06/2014	CONVERT	Convert Billing	3,062.12	1,383.06	1,383.06	296.00	0.00	0.00	0.00	0.00	0.00
03/06/2014	Balance		3,062.12	1,383.06	1,383.06	296.00	0.00	0.00	0.00	0.00	0.00
12/17/2013	CONVERT	Convert Payment	-2,520.48	-1,260.24	-1,260.24	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2013	Balance		2,520.48	1,260.24	1,260.24	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2013	CONVERT	Convert Billing	2,520.48	1,260.24	1,260.24	0.00	0.00	0.00	0.00	0.00	0.00
07/30/2013	CONVERT	Convert Payment	-2,515.14	-1,257.57	-1,257.57	0.00	0.00	0.00	0.00	0.00	0.00
07/05/2013	Balance		2,515.14	1,257.57	1,257.57	0.00	0.00	0.00	0.00	0.00	0.00
07/05/2013	CONVERT	Convert Billing	2,515.14	1,257.57	1,257.57	0.00	0.00	0.00	0.00	0.00	0.00
04/01/2013	CONVERT	Convert Payment	-3,215.86	-1,383.06	-1,383.06	-296.00	0.00	0.00	-153.74	0.00	0.00
03/08/2013	CONVERT	Convert Billing	3,062.12	1,383.06	1,383.06	296.00	0.00	0.00	0.00	0.00	0.00
03/08/2013	Balance		3,215.86	1,383.06	1,383.06	296.00	0.00	0.00	153.74	0.00	0.00
01/24/2013	CONVERT	Convert Payment	-3,074.88	-1,537.44	-1,537.44	0.00	0.00	0.00	0.00	0.00	0.00
12/31/2012	CONVERT	Convert Adjustment	153.74	0.00	0.00	0.00	0.00	0.00	153.74	0.00	0.00
11/27/2012	Balance		3,074.88	1,537.44	1,537.44	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2012	CONVERT	Convert Billing	3,074.88	1,537.44	1,537.44	0.00	0.00	0.00	0.00	0.00	0.00
07/26/2012	CONVERT	Convert Payment	-2,937.24	-1,326.12	-1,326.12	-285.00	0.00	0.00	0.00	0.00	0.00
07/10/2012	Balance		2,937.24	1,326.12	1,326.12	285.00	0.00	0.00	0.00	0.00	0.00
07/10/2012	CONVERT	Convert Billing	2,937.24	1,326.12	1,326.12	285.00	0.00	0.00	0.00	0.00	0.00
04/10/2012	CONVERT	Convert Payment	-2,467.20	-1,233.60	-1,233.60	0.00	0.00	0.00	0.00	0.00	0.00
03/08/2012	Balance		2,467.20	1,233.60	1,233.60	0.00	0.00	0.00	0.00	0.00	0.00
03/08/2012	CONVERT	Convert Billing	2,467.20	1,233.60	1,233.60	0.00	0.00	0.00	0.00	0.00	0.00
12/14/2011	CONVERT	Convert Payment	-2,148.52	-1,074.26	-1,074.26	0.00	0.00	0.00	0.00	0.00	0.00
11/29/2011	Balance		2,148.52	1,074.26	1,074.26	0.00	0.00	0.00	0.00	0.00	0.00
11/29/2011	CONVERT	Convert Billing	2,148.52	1,074.26	1,074.26	0.00	0.00	0.00	0.00	0.00	0.00
07/20/2011	CONVERT	Convert Payment	-2,641.96	-1,320.98	-1,320.98	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2011	Balance		2,641.96	1,320.98	1,320.98	0.00	0.00	0.00	0.00	0.00	0.00

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
07/08/2011	CONVERT	Convert Billing	2,641.96	1,320.98	1,320.98	0.00	0.00	0.00	0.00	0.00	0.00
03/28/2011	CONVERT	Convert Payment	-526.58	-120.79	-120.79	-285.00	0.00	0.00	0.00	0.00	0.00
03/08/2011	CONVERT	Convert Billing	526.58	120.79	120.79	285.00	0.00	0.00	0.00	0.00	0.00
03/08/2011	Balance		526.58	120.79	120.79	285.00	0.00	0.00	0.00	0.00	0.00
12/06/2010	CONVERT	Convert Payment	-254.72	-127.36	-127.36	0.00	0.00	0.00	0.00	0.00	0.00
11/19/2010	CONVERT	Convert Billing	254.72	127.36	127.36	0.00	0.00	0.00	0.00	0.00	0.00
11/19/2010	Balance		254.72	127.36	127.36	0.00	0.00	0.00	0.00	0.00	0.00
08/03/2010	CONVERT	Convert Payment	-249.90	-124.95	-124.95	0.00	0.00	0.00	0.00	0.00	0.00
07/09/2010	CONVERT	Convert Billing	249.90	124.95	124.95	0.00	0.00	0.00	0.00	0.00	0.00
07/09/2010	Balance		249.90	124.95	124.95	0.00	0.00	0.00	0.00	0.00	0.00
03/16/2010	CONVERT	Convert Payment	-558.00	-122.50	-122.50	-313.00	0.00	0.00	0.00	0.00	0.00
03/11/2010	CONVERT	Convert Billing	558.00	122.50	122.50	313.00	0.00	0.00	0.00	0.00	0.00
03/11/2010	Balance		558.00	122.50	122.50	313.00	0.00	0.00	0.00	0.00	0.00
12/04/2009	CONVERT	Convert Payment	-279.30	-139.65	-139.65	0.00	0.00	0.00	0.00	0.00	0.00
11/23/2009	Balance		279.30	139.65	139.65	0.00	0.00	0.00	0.00	0.00	0.00
11/23/2009	CONVERT	Convert Billing	279.30	139.65	139.65	0.00	0.00	0.00	0.00	0.00	0.00
08/24/2009	CONVERT	Convert Payment	-249.90	-124.95	-124.95	0.00	0.00	0.00	0.00	0.00	0.00
07/07/2009	CONVERT	Convert Billing	249.90	124.95	124.95	0.00	0.00	0.00	0.00	0.00	0.00
07/07/2009	Balance		249.90	124.95	124.95	0.00	0.00	0.00	0.00	0.00	0.00
06/17/2009	CONVERT	Convert Payment	-833.00	-412.38	-412.37	0.00	0.00	0.00	-8.25	0.00	0.00
05/28/2009	CONVERT	Convert Adjustment	8.25	0.00	0.00	0.00	0.00	0.00	8.25	0.00	0.00
05/08/2009	CONVERT	Convert Adjustment	-41.24	0.00	0.00	0.00	0.00	0.00	-41.24	0.00	0.00
04/30/2009	CONVERT	Convert Adjustment	41.24	0.00	0.00	0.00	0.00	0.00	41.24	0.00	0.00
04/29/2009	CONVERT	Convert Adjustment	824.75	412.38	412.37	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2009	CONVERT	Convert Payment	-529.11	-116.49	-116.49	-296.13	0.00	0.00	0.00	0.00	0.00
03/19/2009	CONVERT	Convert Billing	529.11	116.49	116.49	296.13	0.00	0.00	0.00	0.00	0.00
03/19/2009	Balance		529.11	116.49	116.49	296.13	0.00	0.00	0.00	0.00	0.00
12/19/2008	CONVERT	Convert Payment	-218.88	-109.44	-109.44	0.00	0.00	0.00	0.00	0.00	0.00
11/26/2008	Balance		218.88	109.44	109.44	0.00	0.00	0.00	0.00	0.00	0.00

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Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
11/26/2008	CONVERT	Convert Billing	218.88	109.44	109.44	0.00	0.00	0.00	0.00	0.00	0.00
07/21/2008	CONVERT	Convert Payment	-212.92	-96.02	-116.90	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2008	CONVERT	Convert Billing	233.80	116.90	116.90	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2008	Balance		212.92	96.02	116.90	0.00	0.00	0.00	0.00	0.00	0.00
04/29/2008	CONVERT	Convert Payment	-438.48	-132.68	-111.80	-194.00	0.00	0.00	0.00	0.00	0.00
03/14/2008	Balance		417.60	111.80	111.80	194.00	0.00	0.00	0.00	0.00	0.00
03/14/2008	CONVERT	Convert Billing	417.60	111.80	111.80	194.00	0.00	0.00	0.00	0.00	0.00
12/24/2007	CONVERT	Convert Payment	-279.50	-139.75	-139.75	0.00	0.00	0.00	0.00	0.00	0.00
12/10/2007	CONVERT	Convert Billing	279.50	139.75	139.75	0.00	0.00	0.00	0.00	0.00	0.00
12/10/2007	Balance		279.50	139.75	139.75	0.00	0.00	0.00	0.00	0.00	0.00
08/20/2007	CONVERT	Convert Payment	-249.40	-124.70	-124.70	0.00	0.00	0.00	0.00	0.00	0.00
07/23/2007	Balance		249.40	124.70	124.70	0.00	0.00	0.00	0.00	0.00	0.00
07/23/2007	CONVERT	Convert Billing	249.40	124.70	124.70	0.00	0.00	0.00	0.00	0.00	0.00
04/23/2007	CONVERT	Convert Payment	-367.22	-86.61	-86.61	-194.00	0.00	0.00	0.00	0.00	0.00
04/08/2007	Balance		367.22	86.61	86.61	194.00	0.00	0.00	0.00	0.00	0.00
04/08/2007	CONVERT	Convert Billing	367.22	86.61	86.61	194.00	0.00	0.00	0.00	0.00	0.00
08/11/2006	Payment	PAYMENT	-213.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/18/2006	Billing	BILLING	111.72	0.00	111.72	0.00	0.00	0.00	0.00	0.00	0.00
05/25/2006	Payment	PAYMENT	-169.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/23/2006	Payment	PAYMENT	-439.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/20/2006	Billing	BILLING	169.00	0.00	0.00	169.00	0.00	0.00	0.00	0.00	0.00
03/24/2006	Billing	BILLING	96.53	96.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/09/2006	Billing	BILLING	5.64	0.00	0.00	0.00	0.00	0.00	564.00	0.00	0.00
12/08/2005	Billing	BILLING	112.86	0.00	112.86	0.00	0.00	0.00	0.00	0.00	0.00
08/16/2005	Billing	BILLING	6.90	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/19/2005	Billing	BILLING	71.82	0.00	71.82	0.00	0.00	0.00	0.00	0.00	0.00
04/18/2005	Billing	BILLING	147.00	0.00	0.00	147.00	0.00	0.00	0.00	0.00	0.00
03/16/2005	Billing	BILLING	95.76	0.00	95.76	0.00	0.00	0.00	0.00	0.00	0.00
12/15/2004	Billing	BILLING	87.21	87.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
10/18/2004	Payment	PAYMENT	-913.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/13/2004	Payment	PAYMENT	-663.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/26/2004	Billing	BILLING	124.83	124.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/07/2004	Payment	PAYMENT	-136.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/28/2004	Billing	BILLING	331.74	0.00	331.74	0.00	0.00	0.00	0.00	0.00	0.00
05/10/2004	Billing	BILLING	147.00	0.00	0.00	147.00	0.00	0.00	0.00	0.00	0.00
02/04/2004	Payment	PAYMENT	-741.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/29/2004	Billing	BILLING	3.22	0.00	0.00	0.00	0.00	0.00	322.00	0.00	0.00
01/02/2004	Payment	PAYMENT	-924.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/31/2003	Billing	BILLING	39.24	0.00	0.00	0.00	0.00	0.00	3,924.00	0.00	0.00
11/18/2003	Billing	BILLING	784.89	784.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2003	Billing	BILLING	3.41	0.00	0.00	0.00	0.00	0.00	341.00	0.00	0.00
11/10/2003	Billing	BILLING	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2003	Billing	BILLING	0.85	0.00	0.00	0.00	0.00	0.00	85.00	0.00	0.00
11/10/2003	Billing	BILLING	27.05	0.00	0.00	0.00	0.00	0.00	2,705.00	0.00	0.00
11/10/2003	Billing	BILLING	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2003	Billing	BILLING	27.03	0.00	0.00	0.00	0.00	0.00	2,703.00	0.00	0.00
11/10/2003	Billing	BILLING	3.38	0.00	0.00	0.00	0.00	0.00	338.00	0.00	0.00
11/10/2003	Billing	BILLING	338.13	338.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2003	Billing	BILLING	16.91	0.00	0.00	0.00	0.00	0.00	1,691.00	0.00	0.00
11/05/2003	Billing	BILLING	16.91	0.00	0.00	0.00	0.00	0.00	1,691.00	0.00	0.00
11/04/2003	Billing	BILLING	3.38	0.00	0.00	0.00	0.00	0.00	338.00	0.00	0.00
10/22/2003	Billing	BILLING	3.38	0.00	0.00	0.00	0.00	0.00	338.00	0.00	0.00
09/24/2003	Billing	BILLING	3.38	0.00	0.00	0.00	0.00	0.00	338.00	0.00	0.00
08/26/2003	Billing	BILLING	16.91	0.00	0.00	0.00	0.00	0.00	1,691.00	0.00	0.00
08/01/2003	Payment	PAYMENT	-134.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/23/2003	Billing	BILLING	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2003	Billing	BILLING	365.85	0.00	365.85	0.00	0.00	0.00	0.00	0.00	0.00
06/23/2003	Billing	BILLING	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
05/29/2003	Billing	BILLING	3.69	0.00	0.00	0.00	0.00	0.00	369.00	0.00	0.00
04/28/2003	Payment	PAYMENT	-1,242.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/25/2003	Billing	BILLING	29.25	0.00	0.00	0.00	0.00	0.00	2,925.00	0.00	0.00
04/12/2003	Billing	BILLING	134.00	0.00	0.00	134.00	0.00	0.00	0.00	0.00	0.00
03/10/2003	Billing	BILLING	585.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/07/2003	Payment	PAYMENT	-239.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/27/2003	Billing	BILLING	1.18	0.00	0.00	0.00	0.00	0.00	118.00	0.00	0.00
12/31/2002	Billing	BILLING	5.93	0.00	0.00	0.00	0.00	0.00	593.00	0.00	0.00
11/13/2002	Billing	BILLING	118.56	118.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/23/2002	Payment	PAYMENT	-38.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/23/2002	Billing	BILLING	0.97	0.00	0.00	0.00	0.00	0.00	97.00	0.00	0.00
07/05/2002	Billing	BILLING	19.32	19.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/02/2002	Payment	PAYMENT	-127.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/15/2002	Payment	PAYMENT	-35.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/03/2002	Billing	BILLING	127.57	0.00	0.00	127.57	0.00	0.00	0.00	0.00	0.00
03/07/2002	Billing	BILLING	17.77	0.00	17.77	0.00	0.00	0.00	0.00	0.00	0.00

Description	Read Date	Reading	Consumption
Active			
Route-Sequence-Serial:	310-011800-19092890		
	10/1/2021	1,501,100.0	29,400.00
	6/1/2021	1,471,700.0	28,800.00
	2/1/2021	1,442,900.0	36,400.00
	10/1/2020	1,406,500.0	31,700.00
	6/1/2020	1,374,800.0	31,900.00
	2/3/2020	1,342,900.0	39,700.00
	10/3/2019	1,303,200.0	37,400.00
	6/3/2019	1,265,800.0	41,400.00
	2/1/2019	1,224,400.0	45,900.00
	10/2/2018	1,178,500.0	45,600.00
	6/1/2018	1,132,900.0	46,200.00
	2/1/2018	1,086,700.0	45,500.00
	10/3/2017	1,041,200.0	46,500.00
	6/1/2017	994,700.00	58,300.00

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Reference Number: 1405901

Tran Date	Tran Type	Description	Amount	WATER	SEWER	DEMAND	VACANT	MISC	PEN	GUILD	WC
						2/1/2017	936,400.00	51,000.00			
						10/3/2016	885,400.00	50,700.00			
						6/1/2016	834,700.00	50,100.00			
						2/1/2016	784,600.00	55,700.00			
						10/1/2015	728,900.00	56,400.00			
						6/1/2015	672,500.00	57,500.00			
						2/3/2015	615,000.00	55,200.00			
						10/2/2014	559,800.00	58,100.00			
						6/2/2014	501,700.00	53,400.00			
						2/3/2014	448,300.00	51,800.00			
						10/1/2013	396,500.00	47,200.00			
						6/1/2013	349,300.00	47,100.00			
						2/1/2013	302,200.00	51,800.00			
						10/1/2012	250,400.00	59,500.00			
						6/1/2012	190,900.00	51,600.00			
						2/1/2012	139,300.00	48,000.00			
						10/3/2011	91,300.00	41,800.00			
						6/20/2011	49,500.00	51,400.00			
		NEW ORION				2/3/2011	0.00	4,700.00			
						10/7/2010	109,200.00	5,000.00			
						6/7/2010	104,200.00	5,100.00			
						2/1/2010	99,100.00	5,000.00			
						10/1/2009	94,100.00	5,700.00			
						6/1/2009	88,400.00	5,100.00			
						2/3/2009	83,300.00	5,100.00			
						10/6/2008	78,200.00	4,800.00			
						6/9/2008	73,400.00	5,100.00			
						2/20/2008	68,300.00	5,200.00			
						10/31/2007	63,100.00	6,500.00			
						6/28/2007	56,600.00	5,800.00			
						2/5/2007	50,800.00	4,400.00			
		Converted Read				10/16/2006	46,400.00	6,500.00			
		Converted Read				6/6/2006	39,900.00	5,700.00			
		Converted Read				2/6/2006	34,200.00	5,400.00			
		Converted Read				10/13/2005	28,800.00	6,600.00			
		Converted Read				6/7/2005	22,200.00	4,200.00			
		Converted Read				2/28/2005	18,000.00	5,600.00			
		Converted Read				10/21/2004	12,400.00	5,100.00			
		Converted Read				6/30/2004	7,300.00	7,300.00			
		Converted Read				2/9/2004	87,400.00	19,400.00			