Town of Newburgh, Indiana

Capacity, Management, Operation and Maintenance (CMOM)

"An Information Management System for Newburgh's Sanitary Sewer System"



March 2017

Prepared By:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment, or both, for knowing violations.

Leon Key

Date: 2-9-17

Town of Newburgh Wastewater Treatment Facilities Superintendent

NEWBURGH WASTEWATER TREATMENT FACILITIES 2016 ACCOMPLISHMENTS

The Town of Newburgh originally completed their Capacity, Management, Operation and Maintenance (CMOM) program in October of 2002. The document was reviewed by the US EPA during the negotiations associated with a Federal Consent Decree. In keeping with the terms of the negotiated Consent Decree, the CMOM document was revised on July 29, 2005. The update was required to comply with updated federal CMOM guidelines and the Town agreed to conduct annual audits of the program during the effective term of the Consent Decree. The Decree required not only a general program audit, but also an annual report on sewer system overflow (SSO) events and a progress report on system deficiency corrections.

It is the intent of this letter report to provide the above-referenced information. Specifically, information will be provided on:

- 1) The Utilities accomplishments during 2016
- 2) A listing of SSO events during the year
- 3) Delineation of future projects designed to correct system deficiencies
- 4) Listing of anticipated projects to meet system needs as identified through master planning activities

It is imperative that we differentiate between items 3) and 4) above. In prior reports, we offered a basis for distinguishing between the above referenced activities while satisfying the terms of the Consent Decree. We continue to ascribe to this distinction, and therefore continue to define system deficiencies as follows:

"A deficiency is a mechanical and/or structural limitation in the Utility's infrastructure that results in a lack of hydraulic sanitary sewer capacity leading to an SSO event. In Newburgh's case, this would be generally associated with wet weather conditions. Sufficiency of the wet weather, hydraulic capacity shall be based upon a calibrated XP-SWMM model with an upper limit flow rate based upon a single event (i.e. no rainfall in the previous 48 hours) 5 year, 2 hour theoretical precipitation event. The 5 year, 2-hour theoretical event shall be established by utilizing the Huff 1st quartile intensity distribution for the City of Evansville, Indiana as found in the Stormwater Drainage Manual (HERPICC). The Town completed the installation of a weather station at their wastewater treatment plant capable of recording precipitation data on 10-minute intervals. Therefore, rainfall data now come directly from the wastewater treatment plant site. If an SSO event occurs, the precipitation data for the period surrounding the SSO event will be reviewed, and the recurrence interval and duration of the storm(s) will be calculated.

- A. If the storm is a single event (i.e. no rainfall in the previous 48 hours) and has a recurrence interval or rainfall depth greater than a 5 year, 2 hour event, the event shall be considered a Force Majeure occurrence. Table 1 shows this delineation for various storm events.
- B. If multiple concurrent storms (i.e. a 6 month, 2-hour storm followed by a 1 yr, 1 hour storm) cause a SSO event, it shall be presumed that the combined effect of these multiple concurrent storms exceeds the effect of a single event 5 year, 2 hour storm and shall be considered a Force Majeure occurrence."

Table 1Delineation of Force Majeure Occurrences for Newburgh, IN1 based upon DiscreetRainfall Occurrence with No Regard to Antecedent Rainfall Events.

		Recurrence Interval										
Duration	2-Month	3-Month	4-Month	6-Month	9-Month	1-Year	2-Year	5-Year	10-Year	25-Year		
10-day	2.50"	2.73"	2.90"	3.17"	3.46"	3.68"	4.28"	5.22"	6.07"	7.40"		
5-day	2.20"	2.40"	2.55"	2.79"	3.04"	3.24"	3.76"	4.59"	5.33"	6.50"		
72-hr	hr 2.00" 2.18" 2.32" 2.53"					2.94"	3.42"	4.17"	4.85"	5.91"		
48-hr	48-hr 1.85" 2.02" 2.15" 2.35"					2.73"	3.17"	3.86"	4.49"	5.48"		
24-hr	1.62"	1.77"	1.88"	2.05"	2.24"	2.39"	2.77"	3.38"	3.93"	4.79"		
18-hr	1.53"	1.67"	1.78"	1.94"	2.12"	2.26"	2.62"	3.20"	3.71"	4.53"		
12-hr	1.41"	1.54"	1.64"	1.79"	1.95"	2.08"	2.42"	2.95"	3.42"	4.18"		
6-hr	1.22"	1.33"	1.41"	1.54"	1.69"	1.79"	2.08"	2.54"	2.95"	3.60"		
3-hr	1.03"	1.13"	1.77"	2.15"	2.50"	3.05"						
2-hr	0.92"	1.01"	1.07"	1.17"	1.28"	1.36"	1.58"	1.93"	2.24"	2.73"		
1-hr	0.72"	0.77"	0.81"	0.87"	0.93"	0.98"	1.11"	1.30"	1.47"	1.72"		
30-min	0.69"	0.74"	0.78"	0.83"	0.90"	0.94"	1.06"	1.25"	1.41"	1.65"		
15-min	0.55"	0.59"	0.62"	0.66"	0.71"	0.75"	0.84"	0.99"	1.12"	1.31"		
10-min	0.44"	0.47"	0.50"	0.53"	0.57"	0.60"	0.68"	0.80"	0.90"	1.05"		
5-min	0.27"	0.29"	0.31"	0.33"	0.35"	0.37"	0.42"	0.49"	0.55"	0.65"		
1	Based on	HERPICC Sto	ormwater Dra	inage Manua	l, July 1995.							
	Not consid	lered Force M	lajeure single	event occurr	ence.							
	Considered Force Majeure occurrence.											

Contrasted to this are the planned improvement projects designed to meet the increased demands being placed on the system due to growth. Although growth can ultimately result in a system deficiency due to overloading, the distinction being made above is that a deficiency is a condition that has already manifested itself into an SSO event.

The Town of Newburgh recognizes that it must remain proactive in its approach to collection system maintenance and capacity management. To that end, the following sections summarize; accomplishments from 2016, SSO's observed in 2016, known system deficiencies, and a prioritized list of future projects.

A. 2016 Accomplishments:

Newburgh Wastewater Treatment Facilities 2016 Summary of Accomplishments

- 1. Completed forty-two sanitary sewer point repairs at a cost of **\$112,405** (Attachment 13).
- 2. Video inspected **17,216** feet of sanitary sewer mains (Attachment 04).
- 3. Jet cleaned approximately **176,098** feet of sanitary sewers (Attachments 01 & 02).
- 4. Performed acoustic evaluation of **95,544** feet of sanitary sewer mains using the SL-RAT (See Attachments 02 & 15).
- 5. Completed the Epworth & Telephone Road Lift station, gravity lines and 2 force mains for the Epworth Rd. Corridor. Project Cost: **\$4,815,000**.
- 6. Initiated Engineering Task Orders & Continued engineering for 60 sanitary sewer project designs, project studies, and capacity studies. Total engineering cost for 2016: **\$1,274,089** (Attachment 06).
- 7. Completed the Willow Pond Basin Sanitary Sewer Study.
- 8. Completed the Master Lift Station Emergency Response SOP.
- 9. Completed the field work necessary to recalibrate Newburgh's Hydraulic SWMM Model.
- 10. Added two new positions to the Newburgh staff: 1 in Collection System O&M and I in WWTP Maintenance.
- 11. Issued 5 new Fat, Oil & Grease discharge permits to food service establishments (Attachment 20); inspected 94 FOG traps and inceptors (Attachment 21); and issued 12 FOG NOV's (Attachment 20).

- 12. Completed the field work necessary to obtain the GPS coordinates of 107 manholes in our collection system. The GPS coordinates were then integrated into our ARC GIS collection system map. This is a component of our asset management system. The work is on-going (Attachment 18).
- 13. Continued the process of integrating Granite XP sanitary sewer video information with the ARC GIS collection system map. Defects found during video surveillance have been linked with the specific line segment on the ACR GIS map for lines video inspected. This is a component of our asset management system, and the work is on-going.
- 14. Continued to integrate information obtained from the Warrick County GIS map with the Newburgh ARC GIS collection system map. County information transferred to the Newburgh map include property addresses, property lines, and subdivision boundaries. This is a component of our asset management system, and the work is on-going. Added several new subdivisions to the database.
- 15. Continued development an ARC GIS map layer, which identifies the sanitary sewer overflows by color coded location, year, and cause. The years included in the layer are 2006 through the present, and the overflow events included are coded as to cause which include the following:
 - a. Grease
 - b. Roots
 - c. Debris
 - d. Precipitation
 - e. Equipment Failure
 - f. Grit
 - g. Construction Related
 - h. Human Error
 - i. Main Line Defect
 - j. Manhole Obstruction
 - k. Base overflow locations.

This is a component of our asset management system, and the work is ongoing.

16. Continued development of an ARC GIS map layer that identifies the sanitary sewers on the Newburgh preventative maintenance list for periodic jet cleaning. The lines are color coded as to the year they were placed on the list, 2006 through the present. This is a component of our asset management system, and the work is on-going.

- 17. Continued development of an ARC GIS map layer which identifies the sanitary sewers that have been video inspected. Line segments are color coded as to the year the line was video inspected, 2006 through the present. This is a component of our asset management system, and the work is ongoing.
- 18. Inspected 35 manholes, raised 15 manholes to grade elevations, and repaired 38 manholes. (Attachments 17 & 19).
- 19. Replaced the pumps and bases at The Master Lift Station and at Lift Station Number 3.
- 20. Completed the Halston Gravity Sanitary Sewer Extension.
- 21. Completed the design and easement acquisition for the Deaconess Lift Station Upgrade, Force Main & Gravity Sanitary Sewer Project.
- 22. Completed bench & field trials to determine if the WWTP was capable of Biological Phosphorus Removal.
- 23. Completed bench & field trials to determine the feasibility of using Sodium Aluminate to remove phosphorus from the WWTP effluent.
- 24. Completed the design and easement acquisition for the Kingston Lift Station Elimination Project.
- 25. Completed the design and easement acquisition for the Lincoln Avenue Phase III Sanitary Sewer Relocation Project.
- 26. Initiated the design of the Triple Crown Lift Station Elimination Project.
- 27. Initiated the design of the Oak Grove Phase III Sanitary Sewer Relocation Project.
- 28. Issued a \$14,000,000 bond to fund 55 priority one projects.

Other noteworthy accomplishments are further described below:

- Additional Capital Improvements Projects completed in 2016 are listed at the beginning of the Project Priority List (PPL) included in this report.
- During 2016, the Collection System Maintenance Staff has completed the following tasks:
 - i) Cleaned a total of 176,098 feet of sanitary sewer mains via high pressure

jetting (see **Attachment 1 & 2**). Of this total, 15,786 feet were associated with general line cleaning and 160,312 feet were associated with preventative maintenance on problematic sewer reaches. The lines cleaned for preventative maintenance purposes relate back to a citizen complaint or as a result of observations during video inspection. They are cleaned annually, semi-annually, or quarterly depending on the type and severity of the problem. This log is kept current and a copy for 2016 has been included in **Attachments 01-03**.

- ii) TV inspected 17,216 feet of sanitary sewer mains (see Attachment 4).
- Performed 42 sanitary sewer point repairs at a cost of \$112,405,.06 (see Attachment 13). Repair costs in 2016 averaged approximately \$2,676 per repair.
- iv) Performed 148 lateral service connection inspections for compliance with the Town's construction standards (see **Attachment 7**).
- The Town developed and prioritized a list of point repairs that need to be completed and pipe reaches that should be considered for slip lining. Attachment 8A lists repair needs from 2013 to date. Attachment 8B is a cumulative list of needs identified in the years prior to 2013. Contractor bids have been received on some of them, but many have not been bid. Virtually all of these defects have been around for many years, and, as such, are not considered to represent an imminent threat to the integrity of the system and hence, will be repaired as funds become available. Any emergency repairs are handled immediately and any repair requiring long term planning is placed on the preventative maintenance list. As previously described, the Town spent approximately \$112,405 for point repairs in 2016. The Utility Committee prioritizes repairs to focus on emergencies, potential overflows, and customer complaints. The 2017 budget for point repairs is \$250,000. Attachment 9 provides a list of proposed future slipline repairs needed. Attachment 12 contains a subset of the projects included in Attachments 8A and 8B that need to occur before certain slipline repairs can be made.
- The Town provided the required training to Collection System O&M personnel (Attachment 10).
- Utilization of a sewer rapid assessment program to identify and anticipate capacity problems so that maintenance efforts can target problem areas in advance. Initially, segments are cleaned and evaluated with the "Sanitary Sewer Rapid Assessment Tool" (SL-RAT) to establish a baseline score. Known problem areas are re-evaluated with the SLRAT and compared to the baseline score. A lower score indicates a need for preventative maintenance

cleaning. This evaluation can be done rapidly allowing maintenance personnel to more efficiently focus efforts on problem areas.

B. 2016 SSO Event Listing:

The summary of the bypass/overflow incident logs for 2016 is included as **Attachment 11**. A total of 9 events occurred. The majority were associated with equipment failure and line clogs. The total SSO volume was estimated to be 1,800 gallons for the entire year. During 2016, the wastewater treatment plant treated approximately 941.27 million gallons of raw sewage. This SSO volume only represents 0.00019% of the total treated flow.

C. Delineation of system deficiency projects:

The system wide flow monitoring/modeling study completed in 2007 resulted in high priority projects that are needed to correct system deficiencies that have resulted in SSO events. Major projects have been completed that have provided positive results in reducing I/I and have helped reduce the SSO problems in the system. Detailed below are descriptions and the current status of uncompleted projects also intended to reduce I/I and eliminate SSO problems:

Triple Crown/Green Springs Valley Sewer Rehab Project

The 2007 Sanitary Sewer Flow Modeling Report identified deficiencies of the sewers in the vicinity of this study area. The flow model indicated that there was the potential for sanitary sewer overflows. The department observed the flows in this system during storm events and found that the sanitary sewer flow model correctly predicted sanitary sewer overflows. The utility moved this project from the watch list to the priority list after learning the sewer had insufficient hydraulic capacity during storm events. The project is currently in the redesign and land acquisition phase. The Utility continues to hold this project at the top of the priority list and funds are available to complete construction.

D. Delineation of master planning improvement projects:

The list of projects delineated on the 2017 Project Priority List includes a compilation of various projects the Town has identified as part of their yearly review of the system. This is a comprehensive list of all projects known to date. The projects are prioritized based on judgment of the severity of the problem and overall impact to the operation and functionality of the system. Priority Level 1 (PL 1) projects are high priority projects that are intended to alleviate current or eminent capacity issues and defects that may otherwise cause overflows. PL 2 projects address defects, maintenance issues, exposed sewers and other improvements to better manage existing and anticipated flow in the system. PL 3 projects progress further down the priority list and are intended to accommodate growth and maintain system integrity. The Town has targeted Projects 1 through 10 to actively pursue in 2017. These

projects are further described below:

• <u>Project 01: Collection System Emergency/Non-Emergency High Priority</u> <u>Point Repairs</u>

As previously mentioned in this report, the Town has budgeted \$250,000 for on-going priority point repairs. This effort is perpetual and will continue through 2017.

• Project 02: Halston FM Replacement and Reroute

This force main is a maintenance issue and has a history of pipeline failures. The force main will be replaced as needed to improve integrity. New routes will be considered to facilitate construction, improve maintenance, and enhance serviceability. The lift station will also be upgraded and rehabilitated at the time of the FM re-route.

Project 03: Deaconess Lift Station Force Main Upgrade

Growth continues to provide more flow to this existing lift station. This project will increase capacity of the station and force main to prevent it from becoming overloaded. Construction is expected to start in February 2017 and is anticipated to be complete by the end of the year.

Project 04: Kingston Lift Station Elimination

This project is currently under construction. The opportunity exists to eliminate this lift station with a new gravity flow sewer. Eliminating this mechanical component will improve system capacity and reduce the likelihood of overflows from a mechanical failure.

Project 05: Sewer Relocation – Phase III Lincoln Avenue Widening

This project is under construction and will require relocation of portions of the sewer system which provides the opportunity to correct select defects, restrictions, and capacity limiting issues in the subject sewers.

Project 06: Triple Crown Lift Station Elimination

This lift station can be eliminated with the installation of a new gravity sewer to the Master Lift Station. Once completed, the project will increase overall system capacity and reduce surcharges that occur in the Green Springs Valley Subdivision during severe storm events. The redirected flows from the Kingston Lift Station Elimination will be also transported by this new gravity sewer. This project is in the design and property acquisition phase.

Project 07: Replace Pump Bases at Lift Station No. 2

The utility has indicated that two pump bases at Lift Station No. 2 have reached their useful life and will need to be replaced. This project involves the replacement of the bases and check valves at this location.

Project 08: WWTP New NPDES Permit Limitations

New NPDES Permit requirements has set new ammonia, cyanide and phosphorous limits that Newburgh must comply within a 36-month period. Study is currently in progress and will result in recommended improvements and cost associated with those improvements.

Project 09: WWTP Upgrade of Integration and Controls

This project will involve the upgrading of SBR PLC components, SCADA computer operating system, and Wonderware licenses in order to maintain the performance of the system.

Project 10: Sanitary Sewer Collection System Modeling Study and Master Plan

Flow metering and data collection will be performed to recalibrate and update the existing hydraulic model. The new model will be used to identify deficiencies and develop action plans to upgrade the system. The 20-year Sewer Utility Master Plan will be updated to incorporate the results of the modelling study with projection of future flows and development.

These projects demonstrate the proactive nature of the Town in planning for their future needs. The full 2017 Project Priority List is included on the following pages:

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost Estimate	Current or Anticipated Funding Source	Cost Estimate Source or Accuracy Level
1	On-Going Collection System Emergency/ Nonemergency High Priority Point Repairs	1	\$250,000	\$270,000	Improvement Fund	Owner
2	Halston Lift Station FM Replacement/Reroute	1	\$475,200	\$762,500	2016 SRF	Engineer
3	Deaconess L. S. Upgrade, Gravity Sewer and FM	1	\$1,853,500	\$2,278,330	2016 SRF	Engineer
4	Kingston Lift Station Elimination	1	\$1,190,442	\$1,534,642	2016 Bond	Engineer
5	Sewer Relocation - Phase III Lincoln Avenue Widening	1	\$727,584	\$1,075,484	2016 SRF	Engineer
6	Triple Crown Lift Station Elimination	1	\$3,588,980	\$4,086,040	2016 Bond	Engineer
7	Lift Station No. 2: Replace Pump Bases on Pump No.'s 1 & 2	1	\$87,496	\$109,796	2016 Bond	Engineer
8	WWTP Project: Prompted by the new requirements of the NPDES Permit. Newburgh will have 36 months to comply. There are new ammonia limits, new cyanide limits, an new phosphorus limits. The treatability study phase is in progress. The study will result in recommended WWTP improvements and the costs associated with those improvements.	1	\$600,000	\$750,000	2016 Bond	Engineer, Preliminary Estimate for Placeholder
9	WWTP: a. Upgrade SBR PLC components from SLC 500 to Compactlogix (Cost: \$101,500.00) b. Upgrade SCADA Computer to windows 7 c. Upgrade Wonderware licenses to windows 7 d. Upgrade Wonderware addressing for compatibility with Compactlogix (b,c, and d cost estimate: \$89,635.00)	1	\$191,135	\$238,919	2016 Bond	Owner
10	Collection System Flow Study and Sewer System Model Update/Recalibration Project Cost of \$330,000 to be shared: \$240,000 by SRF & \$90,000 by Bond.	1	\$90,000	\$90,000	2016 Bond	Engineer
11	Victoria/Lincolnwood Exposed Force Main.	1	\$153,590	\$191,988	2016 Bond	Engineer
12	Plum & Jennings MH replacement	1	\$82,966	\$103,708	2016 Bond	Engineer
13	Main Street Sanitary Sewer Project: to correct problems between MH 09-33 and MH 09-180A 11-15. The original project area was from MH 09-33 to MH 09-180A. The project area has been expanded to the following: from MH 09-40 to MH 09-33 and from 09-33 to MH 09-180A.	1	\$173,161	\$216,451	2016 Bond	Engineer
14	Update Newburgh Design & Construction Standards	1	\$15,000	\$15,000	2016 Bond	Owner
15	Blue Lake LS Standby Power/Capacity Upgrade	1	\$322,000	\$402,500	2016 Bond	Engineer
16	Phelps Drive Sewer Repair	1	not available		2016 Bond	
17	Triple Crown/Green Springs Valley Sanitary Sewer Interceptor Improvement Project	1	\$800,000	\$975,000	2016 Bond	Engineer
18	Eliminate Central Towers Lift Station (Option 2) Construction Cost: \$849,200 Project Cost: \$1,061,500	1	\$849,200	\$1,061,500	2016 Bond	Engineer

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost Estimate	Current or Anticipated Funding Source	Cost Estimate Source or Accuracy Level
19	Install fences & Nitro-Nox containment systems for Powers Place, Paradise Park, and Victoria National Lift Stations.	1	\$160,125	\$200,156	2016 Bond	Engineer
20	Sewer Relocation - Oak Grove Rd Improvements	1	\$1,000,000	\$1,250,000	2016 Bond	Engineer
21	Lift Station No. 1 FM Erosion Problem. Options 1N & 1S	1		\$223,700	2016 Bond	Engineer
22	Forest Park Drive exposed sanitary sewer in 2 location. Need to reroute the sewer in 2 locations.	1	\$120,070	\$150,088	2016 Bond	Engineer
23	South Broadview — 5322 Timberwood Drive Exposed Sewer near MH 14-24. Proceed with engineered temporary repair.	1	\$132,539	\$165,674	2016 Bond	Engineer
24	South Broadview, West Timberwood: Exposed Sewer between MH 14-23 & MH 14-61. Proceed with engineered temporary repair.	1	\$80,000	\$100,000	2016 Bond	Engineer
25	Jefferies Lane Sanitary Sewer Project A lateral and main line are exposed, and a manhole also needs to be replaced	1	\$50,000	\$70,000	2016 Bond	Engineer
26	Exposed Lateral, 4222 Hedgewood, Rabbit Run	1	\$12,500	\$12,500	Improvement Fund	Owner
27	Exposed Sewer Westlake Drive	1	\$25,200	\$36,300	2016 Bond	
28	Forest Park Exposed Sewer	1	\$120,000		Future Bond	Engineer
29	8277 Sycamore Drive Sewer Project: Will correct an exposed lateral and sanitary sewer main.	1	\$56,000	\$81,000	2016 Bond	Engineer
30	5156 Sleepy Hollow Road Rehab Project: The sanitary sewer lateral is exposed at a ditch crossing (south of MH 20-226) and the casing pipe is deteriorated badly. The manhole base of MH 20-225 is badly deteriorated. The 8-inch sanitary sewer main between MH's 20-225 and 20-226 is exposed at a ditch crossing.	1	\$125,000	\$156,250	2016 Bond	Engineer, Preliminary Estimate for Placeholder
31	Lenn Lane Sanitary Sewer Project: Sanitary MH 15-140 is leaking allowing I&I. There may be easement issues.	1	\$106,000	\$132,500	2016 Bond	Engineer
32	Meadowbrook Subdivision Sanitary Sewer Replacement: The sanitary sewer main between MH 15-91 and 15-92 is collapsing. The pipe material is a very thin walled SDR 41 pipe.	1	\$85,000	\$110,000	2016 Bond	Engineer
33	Forrest Park Sanitary Sewer Rehab Project: a ditch and concrete culvert runs over the top of an 8-inch sanitary sewer in the area of MH 14-254. The line segment (MH 14-253 to MH 14-254) has several sags and is cracked and taking on water from the ditch. MH 14-254 is also plagued with sever I&I and needs to be replaced.	1		\$202,200	2016 Bond	Engineer, Preliminary Estimate for Placeholder
34	Cypress Court Sanitary Sewer Project: MH 19-13 is sinking and needs to be replaced (the base of the MH has disintegrated). Also there are severe line sags upstream and downstream of MH 19-13 which need to be corrected.	1	\$176,400	\$194,000	2016 Bond	Engineer
35	Acorn Drive: sanitary sewer repairs needed in the sanitary sewer main between MH 15-134 and 15-133. Problems in this line generated an overflow incident. Need to replace 3 active lateral taps, 8 feet of each lateral, and at 50 feet of main.	1	\$131,736	\$165,000	2016 Bond	Engineer
36	4699 Colony Drive Sanitary Sewer Project The sanitary sewer between MH 11-137 and MH 11-138: Video inspection revealed a line that is in horrible condition. The line needs to be either replaced or slip-lined.	1	\$11,300	\$16,300	2016 Bond	Engineer

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost Estimate	Current or Anticipated Funding Source	Cost Estimate Source or Accuracy Level
37	Savannah Drive: sanitary sewer repairs needed in the sanitary sewer main between MH 14-238 and MH 15-144. a. There are 3 sanitary sewer repairs needed: * A 4-foot main line repair, * An 8-foot main line repair with a lateral tap and 12 feet of 6-inch lateral, * Up to 100 feet of main line replacement.	1	\$45,200	\$72,200	2016 Bond	Engineer
38	8268 Oak Drive Sewer Project: The 6-inch lateral line servicing the property at 8283 Oak Drive crosses the property at 8268 Oak Drive before tapping an 8-inch main. The lateral line servicing 8283 needs to be replaced, and the owner of 8268 refused to sign a right-of-entry. Need to verify that the lateral is located in the ROW. In addition, according to the Green Spring Valley easement drawing, the 8-inch main where the lateral is tapped (east of Oak Drive) is not in an easement.	1	\$5,000	\$6,250	2016 Bond	Engineer
39	4166 Pine Drive Sewer Rehab - Full length lining MH 15-20 to 15-21.	1	\$50,000	\$64,000	2016 Bond	Engineer
40	Pecan Lane Sanitary Sewer Project: Will correct a sanitary sewer problem located just south of MH 15-233.	1	\$22,000	\$38,000	2016 Bond	Engineer
41	6522 & 6544 Yorkshire Court Sanitary Sewer Replacement (MH 21-45 to MH 21-43)	1		\$100,400	2016 Bond	Engineer
42	Interior Manhole Lining for 18-inch MLS Trunk Line	1	\$24,000	\$24,000	2016 Bond	Owner
43	Victoria Lift Station Upgrade	1	\$1,700,000	\$2,125,000	2016 Bond	Engineer, Preliminary Estimate for Placeholder
44	Post Office Lift Station Upgrade	1	\$148,300	\$185,375	2016 Bond	Engineer
45	Kenosha Hill LS Elimination	1	\$146,660	\$183,325	2016 Bond	Engineer
46	8311 North Birch Dr. SS Rehab Project	1		\$120,000	2016 Bond	Engineer
47	Reroute Sanitary Sewer, Sycamore Dr. at Hwy 261	1	\$136,500	\$170,625	2016 Bond	Engineer
48	Sanitary Sewer under Homes at 420 Cypress & 415 Locust (MH 09-111 to 09-101)	1	\$130,279	\$175,279	2016 Bond	Engineer
49	7322 Oakdale Drive Sanitary Sewer Project:190 foot slip lining project from MH 15-118 to MH 15-124. Project is located in Twin Oaks, Section B.	1	not available		2016 Bond	
50	Sewer Main With Hammer Tap Under Mark's Mattress Along Hwy 261 in Newburgh Plaza	1	not available		2016 Bond	
51	Belly in Main at Newburgh Plaza	1	not available		2016 Bond	
52	River Ridge Subdivision; Easements, Mapping and FM Relocation	1	not available		2016 Bond	
53	Manhole Repair Projects per Attachment 28 of the 2014 CMOM Report (101 manholes) Hold	1	\$63,850	\$76,620		Engineer
54	Manhole Rehabilitation/Lining Projects per Attachment 28 (2014 CMOM Report) (37 manholes) Hold	1	\$87,525	\$105,030		Engineer

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost EstimateCurrent or Anticipated Funding Source	Cost Estimate Source or Accuracy Level
55	Sanitary Sewer Point Repairs per CMOM Attachments 08A & 08B (1,102 point repairs) (Average 2015 point repair cost: \$4,018.00) Hold	1	\$4,427,836	\$5,534,795	Engineer
56	Sanitary Sewer Slip Line Projects per 2014 CMOM Attachments 09A & 09B (98 line segments) Hold	1	\$1,170,339	\$1,404,396	Engineer
57	Martin Rd: Need to replace sewer between MH 20-53 & MH 20-52.	1	not available		
58	Lakevale Subdivision, Hillsite Drive: Line segment between MH 13-90 & 13-89 is sagging and has root issues.	1	not available		
59	Kenosha Hills, Swawnee Drive: Grade issues between MH's: 03-04 to 03-04A, 03-04A to 03-07, & 03-07 to 03-06.	1	not available		
60	Sharon Road: Line segment between MH 10-106 & 10-159 is sagging.	1	not available		
61	Hwy 261 near Mark's Matress: Grade issue between MH 10-150 and 10-149.	1	not available		
62	South Broadview, Jefferies Lane: Main line dects between MH 14-181 and 14-182.	1	not available		
63	604 Village Lane: grade issues between MH 03-4A and 03-06.	1	not available		
64	Manhole 07-6-51, located southwest of the intersection of Frame and Hwy 66, is buried 56 inches deep. The MH needs to be raised, and to do this a fence will need to be removed. We are also aware that there are other utilities in the area. Our drawings indicate that the MH is in a 20-foot drainage and PUE. CEI will verify that the manhole is actually in the easement and will develop corrective action plan and a quote package for the project.	2	not available		
65	Sycamore Drive and SR 261 Sanitary Sewer Relocation Project	2	not available		
66	6588 Westlake Road: sanitary sewer line that is under a swimming pool	2	not available		
67	Sanitary Sewer CCIP Project	2	not available		
68	Misc. Slip Lining Projects	2	\$121,400		
69	4529 Bridgestone Blvd & Lincoln Ave	2	not available		
70	7888 Melody Lane	2	not available		
71	8288 Lincoln Avenue, Sewer Main near Foundation, Thornbrook Sub	2	not available		
72	South Broadview — Sharon Road Sewer Reconstruction, Grade correction MH 10-161 to 10-106	2	\$70,000		Engineer
73	Adams Street, MH 9-122 to MH 9-123. Entire main has offset joints, 1 protruding hammer tap.	2	not available		

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost Estimate
74	4444 Pine Drive, Broadview	2	not available	
75	5955 Westchester Drive, Whispering Hills	2	not available	
76	8022 North Birch Drive Sewer Relocation (East)	2	not available	
77	Colonial Hills Interceptor Improvements	2	model check	
78	4641 Brighton Court, Tree Over Main Line	2	not available	
79	4655 Lincoln Avenue	2	not available	
80	Ashbury Park Manhole Conflict, decorative blocking over manhole	2	not available	
81	Forest Park Sewer Rehab	2	not available	
82	Sharon Rd. conflict with storm sewer	2	not available	
83	Unmapped sewer connecting to MH 09-16	2	not available	
84	Main Line Replacements per Attachment 27 of the 2014 CMOM Report (97 line segments)	2	not available	
85	5422 Jeffries Lane Sewer Project	2	not available	
86	Kimberly Lane Sewer Rehabilitation (10264 Powers Dr.) (Previously "Tree removal and repair at 10265 Powers Drive" on 2011 PPL)	3	not available	
87	Green Springs Valley, Chestnut and Lincoln Ave	3	not available	
88	Heathervale Subdivision, Lines in entire subdivision are in poor condition.	3	not available	
89	Powers Place Sewer Relocation	3	not available	
90	Poplar Drive Exposed Sewer	3	not available	
91	Hillcrest Sanitary Sewer From MH 9-135 to MH 9-123: 10 Problems Found	3	not available	
92	Lamey Lane Sanitary Sewer From MH 5-17 to 5-18: Entire Line Has Off-set Joints	3	not available	
93	7588 Broadview: sewer relocation	3	not available	
94	Unnumbered MH east of MH 03-48, Lincoln Ave.	3	not available	
95	Main & Plum Sanitary Sewer Slip Lining	3	not available	
96	Royal Highlands Sewer Grade Adjustment/ Gas Line Conflict	3	not available	

Current or Anticipated Funding Source	Cost Estimate Source or Accuracy Level

Project Number	Project Description	Priority Level	Construction Cost Estimate	Total Project Cost Estimate
97	Green Springs Valley Sewer Relocation	3	not available	
98	Bell Oaks Drive, MH 11-157 to 11-158	3	not available	
99	Powers Place: easements & lines under homes	3	not available	
100	Woods Tower /Kenosha Hills, Grade Problem	3	not available	
101	Whispering Hill Subdivision, 6866 Pleasant Valley Court	3	not available	
102	Green Springs Valley Easements	3	not available	
103	Broadview Easements and Mapping	3	not available	
104	Whispering Hills Easements and Mapping	3	not available	
105	Birch Street MH/Tree Conflict Project	3	not available	
106	SCADA System of Various LS	3	not available	
107	Slip Lining Study and Preliminary Engineering	3	not available	
108	Old Town Sewer Improvements per SWMM modeling	3	not available	
109	Lincolnwood LS	3	not available	

Current or Anticipated Funding Source	Cost Estimate Source or Accuracy Level

LINES JET CLEANED

_									
SUBDIVISION	ADDRESS	DISTANCE JETTED	MH#	то	MH#	<u>MATERIALS</u> <u>FLUSHED</u>	<u>NOZZLE</u> <u>TYPE</u>	<u>Date</u> <u>of</u> <u>Cleaning</u>	Recommendation &/or Comments
South Broadview	7488 Jeffries	335	14-59		14-58	Roots	Root cutter	1/4/2016	
South Broadview	5444 Jeffries	257	14-58		14-57	Roots	Root cutter	1/4/2016	
South Broadview	5388 Jeffries (in front street)	147	14-57		14-184	Roots	Root cutter	1/4/2016	
South Broadview	5388 Jeffries (in front street)	490	14-57		14-56	Roots	Root cutter	1/4/2016	
Grove Rd. Ext	7011 Oak Grove Road	0	16-173		17-15			1/4/2016	
Twin Oaks	7366 Oakpark	394	15-114		15-113	Roots	Root cutter	1/5/2016	
Twin Oaks	7355 Oakdale	252	15-117		15-119	Roots	Root cutter	1/5/2016	
Twin Oaks	7411 Oakdale	400	15-119	İ	15-120	Roots	Root cutter	1/5/2016	
Heritage	5033 New York	210	20-189	Í	14-236			1/8/2016	
Colonial Hills	10677 Gettysburgh	0	02-68		02-67			1/25/2016	Already been counted on CMOM
Landmark	10522 Drexton Place	0	02-52		02-09CO			1/27/2016	Already been counted on CMOM
Colonial Hills	10799 Williamsburg	0	02-65		02-57			1/27/2016	Already been counted on CMOM
Kenosha Hills	10343 Chippewa (next to shed)	13	02-99		02-Stub5			1/27/2016	
Kenosha Hills	10400 Tecumseh Dr	8	02-111		02-Stub2			1/28/2016	
Lakeland Ct	5920 Lisa Lane	71	02-135		02-23CO			1/28/2016	
Rabbit Run	4144 Hedgewood Ct	260	07-14A		07-14			1/28/2016	
Town	217 Monroe & Posey	230	09-60		09-59			1/29/2016	
Town	By Newburgh Elementary	42	09-59		09-58			1/29/2016	
Town	By Newburgh Elementary	74	09-58		09-57			1/29/2016	
Lakeland Ct	5848 Jeffrey Lane	130	02-134		02-04CO			2/1/2016	
Forrest Park	579 Forest Park	152	13-171		13-172			2/1/2016	
Town	415 Locust	108	09-101		09-101A			2/1/2016	
Town	408 Locust	171	09-101A		09-102			2/1/2016	
Town	Section & Locust	0	09-102		09-103			2/2/2016	Already been counted on CMOM
Town	334 Cypress on Section St	163	09-102A		09-102			2/2/2016	
Town	W. side of 662 W. Jennings (alley)	144	05-28		05-29			2/3/2016	
Town	1000 Phelps Dr	315	05-40		05-41			2/3/2016	
Epworth Village	Newburgh Health Care Center	0	02-14		02-15			2/3/2016	Previously done in 2012
Epworth Village	5777 Epworth Rd	0	02-25		02-05			2/3/2016	Previously done in 7/11/11
Epworth Village	SW Corner Epworth & 662	254	02-28		02-27			2/3/2016	

PREVENTATIVE MAINTENANCE JET CLEANING

(Lt Ye	ellow) Debris & Roots	(Tan) Ro	ots				(Grey) S	ilt	(Lavender	r) Mud																Grease	
									2016 PREVE	NTAT		MAINT	ENANC	<u>E JET</u>	CLEA	NING											
		-		1						<u>First</u>	Quarter	(Jan, Fe	b, March)	Second Quarter (Apr, May, June) Third Quarter (July, Aug, Sept)					Fou	rth Quarte	r (Oct, Nov	v, Dec)					
SUBDIVISION	ADDRESS	<u>Rat</u> ID No	RAT Base #	DISTANCE CLEANED & TELEVISED	TX or RX	MH#	<u>TX</u> or <u>RX</u>	MH#	Туре	JET or RAT	<u>Rat</u> ID No.	<u>Rat</u> <u>Code</u> <u>No.</u>	Date of Inspection	JET or RAT	<u>Rat</u> ID No.	<u>Rat</u> <u>Code</u> <u>No.</u>	Date of Inspection	JET or RAT	<u>Rat</u> ID No.	<u>Rat</u> <u>Code</u> <u>No.</u>	Date of Inspection	JET or RAT	<u>Rat</u> ID No.	<u>Rat</u> <u>Code</u> <u>No.</u>	Date of Inspection	<u>Recommended</u> <u>Resolution</u>	<u>Date</u> <u>Resolved</u>
			-																								
JET ONLY LIS	<u>r</u>																										
Powers Place	10122 Kimberly Ln JET ONLY			163		01-15		01-12	Roots (must root cut backwards)					Root cut			5/5/2016 LW CP	Root cut			8/8/2016 LW EH	Jet			10/28/16 DS AM	Added per TV done 9/2/14 (CMOM Rat score was 2)	
Cricklewood	10455 Cricklewood Jet Only 5055 Kenosha	27	Base #1 11/5/13	302		02-06		02-05	Under water	Jet			2/29/16 DS AM	Jet			5/5/2016 LW CP 5/5/2016	Jet			8/8/2016 LW EH 8/8/2016	Jet			10/21/16 DS LW 10/21/16	Also on Main Line Repl.	
Kenosha Hills	Jet Only	30	Base #0 11/5/13	166		02-96		02-80	Belly/100% under water	Jet			2/29/16 DS AM	Jet			LW CP	Jet			LW EH	Jet			DS LW	Grade issue/CEI project	
Lakeland	5900 Kraeger (Riverwind Apts) Jet Only		N/A	362		02-127		02-130A	Grease & Grit	Jet			2/29/16 DS AM	Jet			5/3/16 RY MJ	Jet			8/8/2016 LW EH	Jet			10/26/16 DS JJ	Project 16-06 to replace MH 02-127 due to overflow 5/3/16 Moved from Vac PM 2013 Complaint recd 2/14/11 at 5900 Kraeger Ln	
Lakeland Ct	Next to fence at playground, NE (Jet Only list until MH is raised)		Raise MH	402		02-130A		02-144A (Raise List)	Roots	Jet			3/16/16 AM MB	Root cut			5/5/2016 LW CP	Jet			8/8/2016 LW EH	Jet			10/14/16 DS AM	Added per TV done 8/5/14 (MH 02- 144A need raised)	
Lakeland Ct	Kreager Ln behind Apt R1 & R2 (Jet Only list until MH is raised)		Raise MH	286		02-130A 02-144A (Raise List)		02-144	Roots	Jet			3/16/16 AM MB	Root cut			5/5/2016 LW CP	Jet			8/8/2016 LW EH	Jet			10/14/16 DS AM	Added per TV done 8/5/14 / MH 02- 144 & 02-144A needs raised	
_	601 Water St	36	Base #5 11/5/13							Jet			2/29/16				5/5/2016 LW CP				8/8/2016 LW EH				10/14/16		
Town	Jet Only 512 Water St Jet Only	30	Base #6 11/5/13	211		05-31		09-02	Grease & Silt	Jet			DS AM 2/29/16 DS AM	Jet Jet			5/5/2016 LW CP	Jet			8/8/2016 LW EH	Jet			DS AM 10/14/16 DS AM	Moved from Vac to Jet in 2013 Moved from Vac to Jet in 2013/Already on Slipline List (TV	
Town	3 Yorkshire Dr Ck MH for grease every other mo. Jet Only	2091	Base #9 1/27/16	206		09-02		09-03	Grease & Silt Roots/Grease	Jet			2/29/16 DS AM	Jet			5/25/16 AM EH	Jet Vac			8/1/16	Jet Jet			10/28/16 DS AM	done 8/24/15)	
Town	Phelps Dr & Williams Ln Ck MH for grease every other mo. Jet Only		N/A	5		Siphon		05-47	Roots/Grease	Jet			2/29/16 DS AM	Jet			5/25/16 AM EH	Vac			8/1/16	Jet			10/28/16 DS AM	Jet flush & Vac MH's	
Town	1000 A Knob Hill Dr Jet Only		N/A	129		06-49		06-48	Grease	Jet			2/29/16 DS AM	Jet			5/5/2016 LW CP	Jet			8/8/2016 LW EH	Jet			10/26/16 DS JJ		
_	719 Village Ln Jet Only		N/A	145		06-59		06-60		Jet			2/29/16 DS AM	Jet			5/5/2016 LW CP				8/4/2016 LW SS	Jet			10/21/16 DS LW	Manual from Vias 4a, 1at 2042	
Town	607 Village Ln								Grease				2/29/16				5/5/2016	Jet			8/4/2016				10/21/16	Moved from Vac to Jet 2013 Line replace / Very High priority	
Town	Jet Only 4011 Woodstone		N/A	304		06-60		10-112	Grease	Jet			DS AM 3/16/16	Jet			LW CP 5/5/2016	Jet			LW SS 8/8/2016	Jet			DS LW 10/28/16	Moved from Vac to Jet 2013	
Frame Rd	Do not root cut until MH raised			358		RAISE MH		07-48	Roots Roots (must remove weir in MH 09-30 before root	Jet			AM MB	Jet			LW CP 5/4/16	Jet			LW EH 8/8/2016	Jet			DS AM	Added per the Yrly TV done on	
Town	Jefferson & Posey 216 Jennings			330		09-30		09-31	cut done)					Jet			SS RY	Jet			LW EH	Jet			DS AM	Added per complaint & TV done	
Town	Only jet 70 ft (pipe reduces) 321 Sycamore		Base #0	70		09-36B		Stub North	Roots (only jet 70 ft)	Jet			3/31/2016 3/16/16				6/8/16 5/6/16	Jet			LW EH 8/8/2016	Jet			DS AM 11/1/16	3/31/16 (Sent to CEI)	
Town	Jet Only Gray & Hillcrest	116	11/29/13 Base #4	372	RX	09-93	ΤХ	09-94	Belly/foreign object Roots (use 8" root	Jet			AM MB	Jet			AM LW 5/4/16	Jet			LW EH 8/16/2016	Jet			DS AM 11/1/16		
Town	Jet Only	50	11/8/13	393	RX	09-135	тх	09-137	cutter)	ļ				Jet			SS RY	Root cut			LW TA	Jet			DS AM	Added per TV done 5/15/13	
Town	State & Sharon Streets Jet Only/DO NOT JET PAST 10-104	788	Base #3 8/29/14	390	тх	10-72	RX	10-104	Grease DO NOT JET PAST MH 10-104					Jet			4/28/16 SS RY	Jet			9/6/16 SS JJ	Jet			10/28/16 DS AM	Added per LG on 3/6/13 This was jetted & TV done 12/6/12	
Town	State & 4th Streets Jet Only	787	Base#2 8/29/14	329	RX	10-73	тх	10-72	Grease	Jet			3/22/16 AM MB	Jet			4/28/16 SS RY					Jet			10/28/16 DS AM	(Re-TV done 8/27/14-leave on PM for grease) Moved from Vac PM in 2013	
Broadview Estates	8400 Sharon Rd Jet Only		N/A	195		10-106		10-159	Grease, grit & rags	Jet			3/22/16 AM MB	Jet			4/28/16 SS RY					Jet			10/26/16 DS JJ		
Town	Law Dr & Sharon Rd Jet Only		N/A	332		10-107		10-108	Grease					Jet			4/28/16 SS RY					Jet			10/26/16 DS JJ	Also on Slipline 07	
Copper Creek	5311 Ellington Jet Only		N/A	182		10-213		10-216	Grease/sag	Jet			3/1/16 DS-AM	Jet			5/6/16 AM LW	Jet			8/8/16 LW EH	Jet			10/26/16 DS JJ	Take off list when repairs done- (sent to CEI/This project done by- CEI & BBI in Dec 2016) Complaint 5322 Claiborn 3/24/14	
								NO	ΓΕ: ΤΥΡΙ	CAI		SEE	CDF		FIII	ΙΔΤ	TAC	HME	NT								

NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

WASTEWATER FACILITY COLLECTION SYSTEM COMPLAINT LOG

Create a N	ew Record	NEWBURGH WASTEW	ATER TREATMENT FACILITY C COMPLAINT LOG	OLLECTION SYSTEM
Complaint Record ID	1		Address	None
Date	2/21/2005	(mm/dd/yy)	Subdivision	Twin Oaks
Time	12:00 AM	(hh:mm AM or PM)	CubuNSION	-
Type of Complaint	Sewer Odors		Owner's Name	Cardwell
Type of Complaint, Other			Owner's Phone Number	490-1060
			Complaint Received By:	
Complaint, Additional				
Employee Findings	Debris In Manhole		Blockage Found	Feet From Manhole Number
Employee Findings			Main Line Defect Found	Feet From Manhole Number
Employee Findings				
Employee Findings, Other (describe)			Findings, Additional Information:	
Upstream MH:	N/A			
Downstream MH:	15-128			
Action Taken	Removed Debris From MH		,	
Action Taken				
Action Taken			Jet Cleaned Main From M	1H # To MH #
Action Taken Other (describe)			Televised Lateral Line, D	ate Completed: (mm/dd/yy)
	J		Main Line Was Repaired,	Date Repaired: (mm/dd/yy)
Action Taken, Additional Information			Repaired Lateral Line Wit	thin The Utility Easement, Date Repaired (mm/dd/yy)
Further Action			Lateral Tap Repaired, Da	te Repaired: (mm/dd/yy)
Required:			Televised Main From MH	# To MH # Date: (mm/dd/yy)
Comments	Line was plugged at entrance of M	H. Cleared line with a pole. A	dvised home owner if smell persis	sts to call and
Personnel on Site (1	M. Burch Person	nnel on Site (2) None	Personnel c	on Site (3)
Report Prepared By:		Save Record:	< → →*	

NOTE: TYPICAL - SEE CD FOR FULL ATTACHMENT

LINES TELEVISED

Newburgh Wastewater Treatment Facility 6366 Vanada Road Newburgh IN 47630 Phone: 812-853-6412 Fax: 812-853-1731



2016 CMOM TV FOOTAGE Address Line Segment ID TV Date Downstream MH **TV** Footage 02-52 01/27/2016 10522 DREXTON PLACE L02-09CO 34.60 10799 WILLIAMSBURGH NEXT TO CREEK L02-65 02-57 01/27/2016 14.90 10343 CHIPPEWA DR. NEXT TO SHED L02-Stub5 02-99 01/27/2016 13.00 10400 TECUMSEH DR OUTSIDE OF NW CORNER L02-Stub2 02-111 8.00 01/28/2016 OF FENCE 5920 LISA LN L02-23CO 02-135 71.00 01/28/2016 INTERSECTION OF POSEY AND MONROE L09-60 09-59 228.50 01/29/2016 SOUTH SIDE OF NEWBURGH ELEMENTRY L09-59 09-58 01/29/2016 42.00 5848 JEFFREY LANE L02-04CO 02-134 02/01/2016 130.10 579 FOREST PARK DR. L13-171 13-172 02/01/2016 151.50 279.30 416 LOCUST L09-101 09-101A 02/01/2016 SECTION AND LOCUST L09-102 09-103 199.90 02/02/2016 334 CYPRES ON SECTION ST L09-102A 09-102 02/02/2016 163.00 610 WEST JENNINGS L05-28 05-29 02/03/2016 144.40 1000 PHELPS L05-40 05-41 02/03/2016 314.80 110 LOCUST L09-106 09-105 02/04/2016 343.10 320 E JENNINGS L09-116 09-115 02/04/2016 208.00

Page 1

NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

COLLECTION SYSTEM LINE REPAIRS

								2016 5	SEWER REP	PAIRS									
			ight of / Recd	No Video Recd							AIRS DING	COMP. ONLY \ NO INV.							
		Proj.	Right of	Video	Iran Statement Effective		GXP	Line	Туре		Bid	Adj. to Org. Bid	Line	Cost Breakou	ut	Bid	Repair	TV Date	Complaint
Subdivison	Address	No.	Entry Recd	Recd	11/1/12	PRIORITY	Corrected	Segment ID	of Repair	Company	Cost	Amt.	Maint.	Manhole	Force Main	Date	Date		Information
					1			REI	PAIRS COMPL		N 2016							1	
Fieldstone	4411 Foxmore (rear)	14-61	Yes	Yes	Yes	High	Yes	L11-94	Ground rod in main line	Stemaly	2,110.60	0.00	2,110.60			12/12/14	08/11/16	08/27/14	None
	5577 Lakeside Drive	14-66	VEC	VEC	N	11:-h	Yes	L27-19	Pipe crushes (16.0 & 21.2 ft from MH 27-19) 9 ft 8 in truss (9 ft deep)			0.00				09/18/14	02/07/11/	00/02/14	CHANGE ORDER NEEDS ENTEED!!!!
Royal Highlands Royal Highlands	5577 Lakeside Drive	14-66A	YES	YES	Yes	High High	Yes	L27-19 L27-19	Change order to remove concrete under asphalt	Hydromax Hydromax	6,155.00	0.00	6,155.00			CHANGE Order NEED ENTERED	03/07/16	09/03/14	CHANGE ORDER NEEDS ENTEED!!!!
Lakeland Ct	10097 Bourbon (tap for 10080 Bourbon)	14-68	YES	YES	Yes	High	Yes	L02-149	Saddle tap 99% blocked (5.6 ft from MH 02-149)	Stemaly	2,027.60	0.00	2,027.60			12/12/14	02/18/16	09/17/14	N/A
									8x6 Wye, 6 ft of lateral & 6 ft truss (71.5 ft from MH	<u> </u>									
Springcorner	5477 Springcorner	14-69	Yes	Yes	Yes	High	Yes	L20-04CO	20-78)	Stemaly	2,427.60	0.00	2,427.60			12/12/14	05/20/16	10/03/14	N/A
Stonegate	4699 Colony Dr 5566 Greensboro (tap for	14-70	Yes	Yes	Yes	High	Yes	L11-137 L20-106	Replace MH 11-137	Stemaly	5,909.30	0.00		5,909.30		12/12/14	11/14/16	06/16/14	4699 Colonly Complaint 12/1/14 at
Whispering Hills	5588 Greensboro)	14-77	Yes	Yes	Yes	High	Yes	StubS	Replace rooted tap	Stemaly	1,873.10	0.00	1,873.10	Prol	blem with Invoice	01/06/15	04/29/16	12/02/14	5602 Greensboro
Wyngate	8131 Wyngate Cr	15-12	Yes	N/A	Yes	High	Yes	MH 10-211	Raise MH 10-211	Hydromax	4,675.00	0.00		4,675.00		02/10/15	04/30/16	N/A	
Twin Oaks	7466 Oak Park (back yd)	15-19	Yes	Yes	Yes	High	Yes	L15-113 StubW	6 ft 8 in truss,wye, & 6 ft 6 in SDR	Stemaly	1,964.64	0.00	1,964.64			04/10/15	08/19/16	03/24/15	7488 Oakpark on 3/23/15
Twin Oaks	7488 Oak Park (back yd)	15-20	Yes	Yes	Yes	High	Yes	L15-113 StubW	6 ft 8 in truss,wye, & install lamphole C.O.	Stemaly	2,530.62	0.00	2,530.62			04/10/15	08/19/16	03/24/15	7488 Oakpark on 3/23/15
i wili Uaks	. Too our are (back yu)	10 20	105	105	105	111811	105	Stubw		Stellidiy	2,330.02	0.00	2,330.02			04/10/13	00/13/10	03/24/13	2200 Kenyon Ridge on
Lakeridge Crossing	2200 Kenyon Ridge	15-21	Yes	Yes	Yes	High	Yes	L23-18	4 ft 8 in truss	Stemaly	1,637.64	0.00	1,637.64			04/10/15	08/12/16	03/25/15	3/25/15
South Broadview	5457 Landview Dr or Behind 5400 Sherwood	15-24	Yes	N/A	Yes	High	Yes	N/A	Replace MH 14-68- Rehab MH 14-68 (grout,	Hydromax	6,400.00	(2,650.00)		3,750.00		05/01/15	03/23/16	04/14/15	5457 Landview on 4/2/15
Blue Lake	2411 Holbrook	15-26	Yes	Yes	Yes	High	Yes	L23-126	Replace 8x6 wye, 8 in truss & 6 in SDR 26	Stemaly	2,106.93	0.00	2,106.93			05/27/15	08/26/16	05/13/15	Rat score dropped to "3"
Blue Lake	2411 Holbrook	15-26A	Yes	Yes	Yes	High	Yes	L23-126	Additional stone & SDR 26 pipe	Stemaly	104.63	0.00	104.63			05/27/15	08/26/16	05/13/15	Rat score dropped to "3"

ENGINEERING TASK ORDERS

																			1	
2016 Commonwealth T	ask Orc	lers	[
Project			Billed 2013	Billed 2014	Billed 2015	January	February	March	April	Мау	June	July	August S	September	October	November	r December	Total Paid	Remaining	Billed/Pd in 201
Deaconess Force Main and LS Rehabilitation 2013-03																				
Preliminary Design 4/24/13	Lump Sum	39,750.00	32398.00	7352.00														39,750.00	0.00	
Easement Preparation 4/24/13	Lump Sum	7,480.00	5984.00	1496.00														7,480.00	0.00	
Easement Acquisition Assistance / 4/24/13	Hourly Estimates	2,570.00																0.00	2,570.00	
Final Design Phase 9/10/14		77,400.00		38700.00	38700.00													77,400.00	0.00	
Bidding and Negotiating Phase 9/10/14		9,800.00													4900.00	4900.00)	9,800.00	0.00	
Construction Phase 9/10/14		23,700.00														1684.22	2	1,684.22		
Post-Construction Phase 9/10/14		2,200.00																0.00		
Resident Project Representative 9/10/14		138,200.00		07.40			10 - 20									0.100 8.1		0.00		
Soil Borings		10,000.00		67.12	265.87		42.79	2245.00	32.79							9199.54	•	9,608.11		
Erosion Control Record Drawings		3,490.00 4,200.00						3245.99	229.51									3,475.50 0.00		
Permit Assistance		2,600.00					85.58		1005.41	1269.21	163.94				67.68			2,591.82		
Easement Preparation		6,900.00		167.78	3278.32		85.58	2735.45	213.94	410.68	103.94				07.00			6,891.75		
Buy American Compliance Assistance for SRF		1,500.00		101110	0210.02		00.00	2100.40	210.04	410.00								0.00		
Additional Final Design		4,500.00												4500.00			<u> </u>	4,500.00		
Reimbursable Expenses to Engineer 9/10/14	\$28,690.00																	0.00		
Total		334,290.00	38,382.00	47,782.90	42,244.19	0.00	213.95	5,981.44	1,481.65	1,679.89	163.94	0.00	0.00	4,500.00	4,967.68	15,783.76	6 0.00	163,181.40	171,108.60	34772.31
Kingston Lift Station Rehabilitation 2013-04 / signed 4/	10/13																			
Preliminary Design	Lump Sum	11,300.00	11,300.00															11,300.00	0.00	
Final Design	Lump Sum	6,350.00	6,350.00														<u> </u>	6,350.00		
Bidding/Negotiating	Lump Sum	2,600.00	3,000.00														<u> </u>	0.00		
Construction Engineering	Hrly NTE	6,000.00																0.00		
Post Construction	Hrly NTE	850.00																0.00	850.00	
As-Built Drawings	Hrly NTE	1,350.00																0.00	1,350.00	
Total		28,450.00	17,650.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,650.00	10,800.00	0.00
Kingston Lift Station Elimination / signed 9/10/14																				
Preliminary Design Phase		41,300.00		12,390.00	28,910.00													41,300.00	0.00	
Final Design Phase		19,900.00		12,000.00	19,900.00													19,900.00		
Bidding and Negotiating Phase		10,800.00			.,									2,700.00	2,700.00	5,400.00)	10,800.00		
Construction Phase		15,300.00														4,227.68	3	4,227.68	11,072.32	
Post-Construction Phase		1,600.00																0.00	1,600.00	
Resident Project Representative		109,300.00																0.00	109,300.00	
Soil Borings		9,087.00		67.12	65.58										8,954.30			9,087.00	0.00	
Record Drawings		1,667.00														598.00		598.00		
Easement Preparation and Negotiation		4,900.00			4,357.38	513.46			16.51									4,887.35		
Surveying		5,800.00					983.64	196.73	4,611.02									5,791.39		
Erosion Control		3,956.00			1,396.79	171.15	600.97	1,757.15	004.40			17.80			0.54.40	12.14	·	3,956.00		
Permit Assistance		11,390.00			4,125.82	2,503.36	1,857.53	1,020.88	864.10			4.99		4 255 00	851.46			11,228.14		
Permitting Wetland Delineation		5,745.00 4,255.00										1,490.00 3,404.00		4,255.00			<u> </u>	5,745.00 4,255.00		
American Iron and Steel (for SRF Projects)		4,255.00										5,404.00	001.00				<u> </u>	4,255.00		
Final Design Lump Sum		7,500.00												7,500.00			<u> </u>	7,500.00		
Compensation for Additional Services	\$27,600.00													,			<u> </u>	0.00		
Total		254,000.00	0.00	12,457.12	58,755.57	3,187.97	3,442.14	2,974.76	5,491.63	0.00	0.00	4,916.79	851.00	14,455.00	12,505.76	10,237.82	2 0.00		124,724.44	
Lincoln Avenue Phase III Widening																				
Lincoln Avenue Phase III Widening Sanitary Sewer Relocation Project 2014-01																	+			
Study and Report Phase / 1/28/14		13,500.00		13,499.78														13,499.78	0.22	
Erosion Control Plan / 2/12/14	Hourly	3,300.00		175.43							591.97	1,748.96					<u> </u>	3,218.06		
Erosion Control Plan		900.00										676.80					<u> </u>	676.80		
Record Drawings / 2/12/14	Hourly	2,500.00																0.00		
Record Drawings	-	600.00																0.00		
Permit Assistance / 2/12/14	Hourly	11,200.00		116.95	1,213.20	279.76	1,127.91	17.28		262.30	2,032.83	1,353.60	3,871.17		155.82			10,430.82	769.18	
Permit Assistance		1,200.00								262.30	652.69	17.81		17.81	187.01			1,137.62	62.38	
Preliminary Design Phase		40,200.00		40,200.00														40,200.00	0.00	
Preliminary Design Phase		13,400.00					1,340.00	10,720.00	1,340.00									13,400.00	0.00	
Final Design Phase		21,700.00			1,085.00	19,530.00	1,085.00										L	21,700.00		
Final Design Phase		8,900.00							2,225.00	4,895.00	1,335.00	445.00					ļ	8,900.00		
Bidding or Negotiating Phase		8,500.00													4,250.00	4,250.00		8,500.00		
Construction Phase		24,100.00																0.00	24,100.00	

SEWER LATERAL INSPECTIONS

NEWBURGH SEWER DEPARTMENT **SUBDIVISION INSPECTIONS**

					DATE	COMPLETE OR		INSPTR'S	REASON INSP. NOT <u>COMPLETE:</u> SUMPPUMP DOWNSPOUT	DATE / TIME JOB WILL BE	CONTRACTOR / REP'S	
SUB	LOCATION	OWNER	CONTRACTOR	LOT#	INSPECT.	INCOMP.	RE-INSPT	INITIALS	OTHER	COMPLETE	SIGNATURE	ACCT #:
HERITAGE PLACE 1st ADD	HERITAGE PLACE 1st ADD		TREES	11		COMPLETE	N/A	RL				
COUNTRY PLACE KENOSHA HILLS SEC "C"	9366 BRITTNEY 5100 TIPPECANOE	LOCKHART,DW KAISER CONST	LOCKHART BAYER	2		COMPLETE COMPLETE	N/A N/A	TS/TW TW				
SUDAMAR HEIGHTS	SUDAMAR HEIGHTS	SAUER,WM.	HORNBECK,J	63 61		COMPLETE	N/A N/A	JF				
SOUTH BROADVIEW, SEC "B"	SOUTH BROADVIEW	HAAS,BUD	HAAS,BUD	299		COMPLETE	N/A	TK/LK				
GREEN SPRING VALLEY-5	GREEN SPRING VALLEY	YOUNG&ZINT	STRADNER	45		COMPLETE	N/A	DB				
HILLVIEW	HILLVIEW	HUFFMAN, JAMES		19		COMPLETE	N/A	RL				
OLD STONE ESTATES	OLD STONE ESTATES	JACOBS,KEN	WILDERMAN	4		COMPLETE	N/A	RL				
PHELPS	4TH & MONROE	NIX,GERALD	SCHERER PLUMBIN	NG .		COMPLETE	N/A	RL				
GREEN SPRING VALLEY-5	GREEN SPRING VALLEY	TOLLEY, JIM	BARNETT	27		INCOMPLETE	N/A		TRENCH COVERED			
COLONIAL HILLS	COLONIAL HILLS	HORNBECK	BOWEN, GARY	24		COMPLETE	N/A	RL				
EPWORTH VILLAGE 2	EPWORTH VILLAGE	PEPPELMEYER,R/	ΑY	21		COMPLETE	N/A	RL				
PARK PLACE	PARK PLACE	WALTERS, KENT	HOBGOOD	3	03/25/75	COMPLETE	N/A	DB				
GREEN SPRING VALLEY-1	GREEN SPRING VALLEY	KIEGEL,R.	TREES	28	03/26/75	COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	UEBELHOR	WEINZAPPEL	8	04/03/75	COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	UEBELHOR	WEINZAPPEL	34	04/03/75	COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "C"	SOUTH BROADVIEW		WEINZAPPEL	21		COMPLETE	N/A	RL				
GREEN SPRING VALLEY-1	GREEN SPRING VALLEY	KIEGEL,R.	TREES	27		COMPLETE	N/A					
TWIN OAKS SEC B	TWIN OAKS SEC B	PRESTIGE HOMES		74		COMPLETE	N/A	RL				
TWIN OAKS SEC B	TWIN OAKS SEC B	PRESTIGE HOMES		76		COMPLETE	N/A	RL				
TWIN OAKS SEC B	TWIN OAKS SEC B	PRESTIGE HOMES		79		COMPLETE	N/A	RL				
TWIN OAKS SEC B	TWIN OAKS SEC B		S PRESTIGE HOMES	62		COMPLETE	N/A	RL				
TWIN OAKS	TWIN OAKS	PRESTIGE HOMES		57		COMPLETE	N/A	KH				
		PRESTIGE HOMES		58		COMPLETE	N/A	RL				
TWIN OAKS SEC B RUSTIC HILLS IV	TWIN OAKS SEC B 6544 VALLEY ROAD	PRESTIGE HOMES SCHENETZKE,DO	-	60 3		COMPLETE COMPLETE	N/A N/A	KH RL				
GREEN SPRING VALLEY-5	GREEN SPRING VALLEY	NEIDIG REALTY	STRADNER	9		COMPLETE	N/A N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	KALABUS,ANDY	FOSTER,ROY	62		COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	WOODS,PETE	WOODS,PETE	18		COMPLETE	N/A	RL				
GREEN SPRING VALLEY-5	GREEN SPRING VALLEY	FOLLEY, JIM	WOODO,I LIL	2		COMPLETE	N/A	DB				
GREEN SPRING VALLEY-5	GREEN SPRING VALLEY	POEHLEIN	STRADNER,R.	61		COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	HAAS,OSCAR	WEINZAPPEL	53		COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	HAAS,OSCAR	WEINZAPPEL	63		COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	FOSTER, ANDY	EPPERSON, JAY	1		COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	PRESTIGE	EPPERSON, JAY	2	05/01/75	COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	KLINE,RONALD	EPPERSON, JAY	3	05/01/75	COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	GORE,DON	EPPERSON, JAY	5	05/01/75	COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	LAMM,JIM	EPPERSON, JAY	6	05/01/75	COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	HORNER, BOBLEY	EPPERSON, JAY	7	05/01/75	COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	VANZILEN	EPPERSON, JAY	11		COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	MADDEN, ERNEST		4		COMPLETE	N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	PRUDER	TREES	22		COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	SHEKELL,GENE	BARNETT,DON	24		COMPLETE	N/A	RL				
SOUTH BROADVIEW, SEC "A"	SOUTH BROADVIEW	FOSTER	FOSTER	61		COMPLETE	N/A	RL				
COLONIAL HILLS		EPPERSON, JAY	EPPERSON, JAY	20		COMPLETE	N/A	RL				
PHELPS	3RD ST NEWBURGH	MATTINGLY	KENEIPP CONST	TOWN		COMPLETE	N/A	DB				
		EPPERSON, JAY	EPPERSON, JAY	23		COMPLETE	N/A	RL				
HUTCHINSON/KINCADE	626 E. JENNINGS ST	MITCHELL, JIMMY		20		COMPLETE	N/A	RL				
	FOREST PARK	WHITEHOUSE,WN		38			N/A	RL				
COLONIAL HILLS	COLONIAL HILLS	PRESTIGE	CRANE BROS.	19	03/20/73	COMPLETE	N/A	RL				

ATTACHMENT 8A

DEFECTS IDENTIFIED FOR FUTURE REPAIRS

Newburgh Wastewater Treatment Facility 6366 Vanada Road Newburgh IN 47630 Phone: 812-853-6412 Fax: 812-853-1731

		Defec	ts Identifie	d by GXP			
Address	dress Line Segment ID		Direction:	Line Problem	Rating %	Distance:	Date
NEXT TO LAKE ON SOUTH SHORE LAKE VALE	L13-238	13-239	Downstream	Sag	80	0	4/17/2013 1:28:08 PM
Town / 919 Jefferson St	L10-67	10-239	Downstream	Joint Offset	70	0	1/16/2013 11:04:18 AM
Town / 905 Jefferson ST	L10-239	10-66	Downstream	Joint Offset	70	0	1/16/2013 12:29:20 PM
810 Jefferson	L10-66	10-65	Downstream	Joint Offset	70	0	1/16/2013 2:13:00 PM
5533 MARTIN NORTH SIDE OF DRIVEWAY	L20-67	20-68	Downstream	Sag	80	0	5/9/2014 1:41:51 PM
8311 BIRCH	L11-249	11-248	Downstream	Crack	70	0	12/11/2015 8:38:21 AM
	L09-133	09-134	Downstream	Lateral Connection Problem	70	0.5	5/16/2013 11:17:33 AM
421 GRAY	L09-123	09-114	Downstream	Joint - Infiltration	70	0.5	12/18/2013 9:45:02 AM
7411 OAKLAWN	L15-122	15-124	Downstream	Lateral Connection Problem	70	0.8	10/17/2014 8:07:09 AM
EAST OF EPWORTH LS	L03-53	03-52A	Downstream	Sag	80	0.8	10/9/2015 12:46:49 PM
CASTLE ELEMENTRY	L16-16	16-170	Downstream	Crack	90	0.9	6/2/2014 10:30:35 AM
512 WATERS	L09-02	05-31	Downstream	Crack	70	1.2	12/8/2015 8:26:11 AM

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NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

ATTACHMENT 8B

PREVIOUS DEFECTS IDENTIFIED FOR FUTURE REPAIRS

DEFECTS IDENTIFIED FOR FUTURE REPAIRS PRIOR 2013

		PROJECT				REPAIR	FT		
SUBDIVISION	ADDRESS	NUMBER	PRIORITY	MH#	MH#	NEEDED	LOC	STATUS	TV DONE
Ashbury	4322 Ashbury Park Dr		Normal	03-71	03-72	Hammer tap, rts	334.0	Not bid	4/21/2010
Ashbury	4366 Partridge		Normal	03-74	03-76	Hole in main 3:00	139.0	Not bid	2/8/2011
Bell Oaks	Yard between Lefler & Blockbuster		Normal	11-62	11-63	Offset jnt 3"	33.0	Not bid	9/2/2011
Bell Oaks	Newburgh Chiropractor		Normal	11-154	11-155	Sad tap, hole w/maj. I&I	170.0	Not bid	8/23/2011
				New MH					
Bell Oaks	Wendy's		Normal	15-245	15-30	45° elbow unpassible	235.0	Not Bid	9/27/2011
Blue Lake	2988 Briarcliff Dr		Normal	22-01	22-02	Sad Tap R2:00 20% rts	171.0	Not bid	6/11/2012
							320.4	Bid/pulled homeowner	
Blue Lake	6588 Oakshire Ct	08-101	Normal	22-27	22-28	Hole in main	363.0	refused to sign ROE	4/4/2000
Blue Lake	2522 Briarcliff		Normal	23-123	23-122	Sad tap 12:00/maj I&I	257.0	Not bid	6/13/2012
Broadview	4266 Pine		Normal	15-40	15-22	Protruding Tap	57.0	Not bid	7/17/2009
Broadview	Concord Green Apts		Normal	15-49	15-47	Jnt crk at bottom/mod dirt	191.0	Not Bid	8/2/2012
Broadview II	Pine Dr		Normal	15-64	15-Stub17	Prot tap 1/2 into main, rts @ con 60%	132.0	Not Bid	9/17/2012
Broadview II	4513 Pine Dr		Normal	15-64	15-63	45° Bend with dirt & rts 30%	58.0	Not Bid	9/17/2012
Broadview	4322 Hillsdale		Normal	15-91	15-90A New MH	Bad tap/blockage	111.0	Not Bid	9/22/2009
Dura da da car	7000 Marshave		Name	45 470	45 474	Hammer tap L 9:00 15-02CO is between these 2 manholes	044.00		07/44/44
Broadview	7688 Meadow	00.40	Normal	15-172	15-171		244.00	Not Bid	07/11/11
Broadview	7599 Meadow	09-10	Normal	15-177	15-176	Bad Tap	267.00	Not Bid	03/10/09
Broadview	7577 Meadow		Normal	15-177	15-176	Protruding Tap	352.60	Not Bid	03/10/09
Broadview	7611 Broadview	00.70	Normal	15-187	15-188	Bad tap, roots	349.00	Not Bid	11/23/09
Broadview B	7972 Ridgemont	08-73	Normal	15-212	15-211	Tap, right, roots/hvy	296.5	Not Bid	8/23/2007
Broadview B	7988 Meadow	08-74	Normal	15-211	15-212	Tap, right separate	75.9	Not Bid	8/24/2007
Broadview B	8000 Meadow	08-194	Normal	15-211	11-277	Bad tap/roots	63.8	Not Bid	2/20/2008
Broadview B	Ridgemont (need #)	08-195	Normal	15-211	11-277	Tap,R,8" line offset	144.0	Not Bid	2/20/2008
Broadview B	8044 Meadow	08-196	Normal	15-211	11-277	Old rep, tap, offset jnt	225-252	Not Bid	2/20/2008
Broadview B	8044 Meadow	08-197	Normal	15-211	11-277	Tap, L, roots	281.3	Not Bid	2/20/2008
Broadview B	8088 Meadow	08-198	Normal	15-211	11-277	Tap, L, roots	387.0	Not Bid	2/20/2008
Broadview B	7788 Meadow Ln		Normal	15-214	15-09CO	Cracked jnt 12:00	148.0	Not Bid	7/19/2012
Broadview B	7788 Meadow Lane		Normal	15-214	15-09CO	HamTap R3:00 (sad)/crk Tap R3:00 (fac)/cap busted RIJ 5%	158.0 161.0 194.0	Not bid	7/19/2012
Broadview B	7788 Meadow Lane		Normal	15-214	15-09CO	RIJ 80% / unpassable	194.0	Not bid	7/19/2012
Bloadview B			Normai	10-214	02-19CO to 02-		100.0	THE DIG	1110/2012
Colonial Hills	10699 Monticello		Normal	02-65	22CO	Tap L, crushed	175.6	Not bid	3/10/2010
Colonial Hills	10599 Monticello		Normal	02-65	02-19CO to 02- 22CO	DLL bag 70%	662.0	Not bid	2/10/2010
Colonial Hills	10688 Monticello		Normal	02-65	02-67	RIJ, hvy 70%	108.5	Not Bid	3/10/2010
	10722 Monticello		Normal	02-68	02-67	Hammer tap 10:00	294.4	Not Bid	12/17/2009
Colonial Hills			Normal	02-68	<u>02-68</u>	Hammer tap 10:00	<u>63.1</u>	NUL DIU	5/22/2007
Colonial Hills	10733 Gettysburg	08-77	Normal	02-68	02-67	Hammer tap 2:00 2" Hole in main	328.0 357.7	Not Bid	12/17/09
Colonial Hills	10733 Gettysburg		Normal	02-68	02-67	2" Hole in main	359.0	Not Bid	12/17/2009
Colonial Hills	10877 Williamsburg Ct	08-79	Normal	<u>02-67</u> 02-71	<u>02-71</u> 02-67	Tap, top, roots/lgt	<u>225.2</u> 81.0	Not Bid	5/22/2007 12/9/2009
Colonial Hills	10833 Williamsburg	10-09	Normal	02-71	02-67	Hammer tap, 12:00	276.0	Bid in 3/2010	12/9/2009
Colonial Hills	10600 Monticello 10611 Gettysburg	1000	Normal	02-69	02-68	Hammer tap, 10:00, rts Hammer tap, 12:00, rts	44.6 48.0	Not Bid See GXP done 7/21/14	12/17/2009
Colonial Hills	10644 Monticello		Normal	02-69	02-68	HT L 10:00, rts & crk	254.0	Not Bid	12/17/2009
Colonial Hills	10655 Gettysburg		1 1	02-69	02-68	HT R 2:00, water	263.0	Not Bid	12/17/2009
	10000 Genyaburg		Normal	02-09	02-00	111 IX 2.00, Waler	203.0	INUL DIU	12/11/2009

PROPOSED SLIPLINE REPAIRS

<u>SUBDIVISION</u>	ADDRESS	DISTANCE	<u>Line</u> Segment ID	<u>MH#</u>	<u>то</u>	<u>MH#</u>	Туре	<u>Footage</u> Location	<u>TV</u> Date	Recommended Resolution	<u>Date</u> <u>Resolved</u>	<u>Comments</u>
Colonial Hills	10855 Williamsburg	407	L02-68	02-68		02-67	Roots		5/17/2006 5/22/2007 12/17/2009	Jet PM List 4 Future Repairs Slpline		
Colonial Hills	10855 Williamsburg	334	L02-69	02-69		02-68	Roots		10/2/2006 12/17/2009 7/21/14 part	Jet PM List 6 Future Repairs Slpline		
Colonial Hills	10855 Williamsburg	309	L02-71	02-67		02-71	Roots		5/22/2007 12/9/2009	2 Future Repairs Slpline		
Colonial Hills	10599 Williamsburg DR	400	L02-177	02-178		02-177	Bellies		6/26/2006 5/24/2007 1/24/2008 4/7/2009 4/7/2010	Jet PM list 3 Future Repairs Slipline		
Powers Place	10011 Kimberly Ln	322	L05-02	05-02		01-22	Bellies & Roots in jnts		4/6/2006 8/1/2006 6/7/2007 1/24/2008 8/17/2009	Jet PM List 2 Future Repairs Slipline		
Town	35 Williams Ln	395	L05-10	05-11		05-10	Roots in jnts		11/3/2006 9/8/2015 4/26/2016	Jet PM List rootx, slipline		
Town	28 Williams In	393	L05-11	05-11		05-12	Roots in joint		11/3/2006 9/8/2015	Jet PM List Slipline		
Town	Across from Knob Hill Trailer Ct	331	L06-46	06-45		06-46	Roots in jnts & sep jnts		2/15/2006 11/6/2007 11/19/2007 5/25/2012	Jet PM List 3 Future Repairs Slipline		
Town	W Jennings by Funeral Home	209	L09-12	09-12		09-11	Bellies, roots in jnts, & offsets		7/13/2006 11/14/2007 1/29/2008 2/4/2008 4/7/2009	Jet PM List 2 Future Repairs Slipline		
Darby Hills	2 Old Orchard	109	L10-29	10-29		10-30	Offset & Roots		7/6/2006 11/14/2007 3/26/2012	Yrly Jet PM List Slipline		
Darby Hills	400 Darby Hills Dr	100	L10-31	10-63		10-31	Offsets & roots in line		7/6/2006 1/30/2008 3/26/2012	Yrly Jet PM List Slipline		
Town	Cypress & Sharon Rds	328	L10-108	10-108		10-107	Bellies, roots in jnts, & offsets		2/27/2007 6/13/2007 3/24/2008 10/1/2010	Jet PM List Slipline		

EMPLOYEE TRAINING RECORD

TRAINING COMPLETION SCHEDULE

NOTE: Recommended t	raining hours per y	ear (5 hours)		
EMPLOYEE	DATE	TRAINING TOPIC	TRAINER	Hours
	<u></u>			<u></u>
Hodges, Ed	25-Oct-2016	Class 4 Wastewater Collection System Operator	Indiana Water Environment Assoc.	n/a
Moore, Alec	25-Oct-2016	Class 1 Wastewater Collection System Operator	Indiana Water Environment Assoc.	n/a
Baumhoer, Kenny	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Burch, Mike	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Dill, Heath	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Goldsberry, Leroy	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Heck, Misty	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Hodges, Ed	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Jewell, Joshua	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Jolly, Marcus	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Kc, Rajiv	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Key, Leon	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Larkins, Rodney	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Madden, Cathy	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Martin, Darin	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Merta, Scott	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Moore, Alec	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Musser, James	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Parker, Clyde	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Powell, Russell	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Ruff, Jim	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Sanders, Sean	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Schmitt, Dana	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Simon, Dave	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Warren, Logan	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Young, Rick	12-Oct-2016	Fire Extinguisher Training	Tri-State Fire (Dan McNeily)	0.5
Baumhoer, Kenny	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Dill, Heath	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Goldsberry, Leroy	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Hodges, Ed	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Jewell, Joshua	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Jolly, Marcus	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Kc, Rajiv	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Larkins, Rodney	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Martin, Darin	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Merta, Scott	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Moore, Alec	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Musser, James	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Parker, Clyde	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Pendergraft, Brad	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Powell, Russell	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Ruff, Jim	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
Sanders, Sean	5-Oct-2016	Fall Protection Training	Richard w/ United Scale	1
		-		

BYPASS / OVERFLOW INCIDENT REPORTS

Newburgh Wastewater Treatment Facilities

2016 Bypass/Overflow Incident Report

										2010 Dypa	33/04011	ow incluent keport		
Location Of SSO	Began	Began	Ended	Ended	Overflowed To (Location):	Overflow Volume (mg)	SSO Volume (Est/Act)	WWTP Flow During SSO (mgd)	Aquatic life Killed (Yes or No)	Reason For SSO	Precipitation (Inches)	Details Of SSO (As Described by the Incident Report)	Actions Taken (As Described by the Incident Report)	Additional Information / Additional Action Required / Current Status of Projects (As of March , 2017 Review)
Creek Rd	2/6/16	5:15 PM	2/6/16	8:12 PM		0.000075	Est	3.4	No	Line Blockage		Sewage released from MH 02-08. Roots & grit were jetted from sewer line.	Removed blockage & cleaned up debris. Will televise main as soon as possible.	Sanitary sewer point repair was completed on 9-26-16.
MLS ARV No 6 7700 Vann Road	2/9/16	3:10 PM	2/9/16	4:45 PM		0.00005	Est	3.6	No	Equipment Failure		The Master Lift Station force main air relief valve developed a small leak.	Vacuumed sewage from the ARV pit & ground to a vacuum tank truck. Shut off the isolation valve to the ARV thus eliminating the leak.	No further action is required.
ARV No. 2 on the Lincolnwood lift station force main	4/4/16	12:20 PM	4/4/16	-	Private property & Cypress Creek	0.000125	Est	2.7	No	Equipment Failure		The air relief valve's float pin broke resulting in the discharge.	Immediately repaired the ARV. E. coli warning signs were posted in the area and will remain until testing indicates that E. Coli levels have returned to a safe level. ARV's are inspected on a routine schedule. No further action is pending.	No further action is required.
Manhole No. 02-127 5900 Kreager Lane	5/3/16	2:00 PM	5/3/16	3:15 PM	Private Property	0.000075	Est	3.2	No	Line Blockage		Roots, rags, and grease clogged the line and created the overflow.	Removed blockage & cleaned up debris around manhole. Vacuumed up standing liquid around the manhole. The line is on the PM list for periodic jet cleaning. The line will be TV inspected and any defects found will be scheduled for corrective action.	A sanitary sewer point repair is necessary to correct the problem. The project has been bid. We are awaiting contractor mobilization.
By-Pass Pump set- up at Manhole No. 07-181	6/16/16	5:22 PM	6/16/16	5:50 PM	Private Property	0.00065	Est	2.3	No	Construction Related		A contractor working for the Town was installing a new manhole on an existing 15-inch gravity line. To facilitate this, the contractor set up a by-pass pump to pump sewage around the affected area. A fitting on the discharge side of the pump failed causing the sewage release.	The pump was shut down and the defective fitting was replaced immediately. No further action is necessary.	No further action is required.
MH No. 14-234 & MH No. 14-234A 7091 Savanah Dr.	7/28/16	2:55 PM	7/28/16	5:30 PM	Private Property	0.0006	Est	2.6	No	Line Blockage		Found Rip-rap in the bottom of MH No. 14-234 clogging the line.	Removed blockage & cleared the blockage by removing the rip-rap from the bottom of the manhole. No further action required.	No further action is required.
Clean-out at 607 Village Ln	8/4/16	12:23 AM	8/14/16	12:37 AM	Private Property	0.0001	Est	2.3	No	Line Blockage		A grease clog developed due to a sag in the sewer main.	Removed blockage. The line segment is on the preventative maintenance list and the cleaning frequency will be increased. The line segment was last cleaned on 5/5/16. The line segment replacement is on our priority one project list which has received funding through a recent 14 million dollar bond issue. We expect to replace the line in the near future.	A sanitary sewer point repair is necessary to correct the problem. The project has been place on our PPL and is expected to be funded and proceed in 2017.
MH No. 13-191 606 St Catherine	9/8/16	7:07 AM	9/8/16	9:00 AM	Private Property	0.000075	Est	1.9	No	Line Blockage		The 8-inch main was clogged with roots.	Removed blockage & cleaned up debris. The line segment will be placed on our preventative maintenance list for periodic cleaning.	A sanitary sewer point repair is necessary to correct the problem. The project has been bid. We are awaiting contractor mobilization.
Old Stonehouse Lift Station	9/16/16	8:00 AM	9/16/16	8:40 AM	Private Property	< 0.00005	Est	2.0	No	Power Failure & Equipment Failure		A power failure occurred and the alarm dialer failed due to a defective AT&T telephone line.	AT&T was contacted and instructed to repair the defective phone line. No further action is required.	No further action is required.

Total Overflow Volume: 0.0018 MG Total Treated Flow: 941.27 MG % Overflow/Treated Volume: 0.00019%

REPAIRS NEEDED PRIOR TO SLIPLINING

POSSIBLE REPAIRS TO DO BEFORE SLIPLINE CAN BE DONE

		PROJECT	DEG				REPAIR	FT		
SUBDIVISION	ADDRESS	NUMBER	1-10	MH#	N	IH#	NEEDED	LOC	STATUS	TV DONE
Broadview	Concord Green Apts		Normal	15-49	1:	5-47	Jnt crk at bottom/mod dirt	191.0	Not Bid	8/2/2012
Broadview II	Pine Dr		Normal	15-64	15-8	Stub17	Prot tap 1/2 into main, rts @ con 60%	132.0	Not Bid	9/17/2012
Broadview	7688 Meadow		Normal	15-172	15-	171	Hammer tap L 9:00	244.00	Not Bid	07/11/11
Broadview B	Meadow Lane		Normal	15-177	15	-178	Lateral connection problem	320.5	Not Bid	10/31/2014
Broadview B	8000 Meadow	08-194	Emergency	15-211	11	-277	Bad tap/roots	63.8	Not Bid	2/20/2008
Broadview B	Ridgemont (need #)	08-195	High	15-211	11	-277	Tap,R,8" line offset	144.0	Not Bid	2/20/2008
Broadview B	8044 Meadow	08-196	High	15-211	11	-277	Old rep, tap, offset jnt	225-252	Not Bid	2/20/2008
Broadview B	8044 Meadow	08-197	Emergency	15-211	11	-277	Tap, L, roots	281.3	Not Bid	2/20/2008
Broadview B	8088 Meadow	08-198	Emergency	15-211	11	-277	Tap, L, roots	387.0	Not Bid	2/20/2008
Broadview B	7972 Ridgemont	08-73	Normal	15-212	15	-211	Tap, right, roots/hvy	296.5	Not Bid	8/23/2007
Broadview B	7988 Meadow	08-74	Normal	15-211	15	-212	Tap, right separate	75.9	Not Bid	8/24/2007
Buslers	4055 apt A Pine Drive		Normal	15-223	1:	5-25	Separate jnt, water	2.0	Not Bid	3/26/2010
Busler's/Pine Dr	4011 Pine Dr	08-225	Normal	15-223	1:	5-25	Hammer tap	89.9	Not Bid	3/18/2008 3/26/2010
Busler's/Pine Dr	4011 Pine Dr	08-226	Normal	15-223	1:	5-25	Hammer tap	91.7	Not Bid	3/18/2008 3/26/2010
Colonial Hills	10688 Monticello		Normal	02-68	02	2-67	Hammer tap 10:00	108.5	Not Bid	12/17/2009
Colonial Hills	10722 Monticello		Normal	02-68	02	2-67	Hammer tap 10:00	294.4	Not Bid	12/17/2009
Colonial Hills	10733 Gettysburg	08-77	Normal	02-68	02	2-67	Hammer tap 2:00	328.0	Not Bid	12/17/09
Colonial Hills	10733 Gettysburg		Normal	02-68	02	2-67	2" Hole in main 2" Hole in main	357.7 359.0	Not Bid	12/17/2009
Colonial Hills	10600 Monticello 10611 Gettysburg		Normal	02-69	02	2-68	Hammer tap, 10:00, rts Hammer tap, 12:00, rts	44.6 48.0	Not Bid	12/17/2009
Colonial Hills	10644 Monticello		Normal	02-69	02	2-68	HT L 10:00, rts & crk	254.0	Not Bid	12/17/2009
Colonial Hills	10655 Gettysburg		Normal	02-69	02	2-68	HT R 2:00, water	263.0	Not Bid	12/17/2009
Colonial Hills	10666 Monticello		Normal	02-69	02	2-68	HT 12:00, water	326.0	Not Bid	12/17/2009
Colonial Hills	10877 Williamsburg Ct	08-79	Normal	02-71	02	2-67	Tap, top, roots/lgt	81.0	Not Bid	12/9/2009
Colonial Hills	10833 Williamsburg	10-09	Normal	02-71	02	2-67	Hammer tap, 12:00	276.0	Bid in 3/2010	12/9/2009
Colonial Hills	10677 Williamsburg Dr	08-163	Normal	02-178	02	-177	Offset jnt & tap	<u>30.0</u> 33-36	Repair & Slipline Not Bid	1/24/2008 4/17/10
Colonial Hills	10655 Williamsburg Dr		Normal	02-178		-177	Hammer tap L 10:00	151.0	Not Bid	4/17/2010
Colonial Hills	10611 Williamsburg Dr		Normal	02-178	02	-177	Hammer tap L 10:00	332.0	Not Bid	4/17/2010

SEWER PROJECTS AND REPAIR COSTS

			Amount Paid in	
Date Paid	Vendor	Sewer Repair Address	2016	Check #
1/1/16	NONE			
2/1/16	NONE			
	Stemaly	10097 Bourbon Street #16-68	2,027.60	4088
3/24/16	Hydromax	5577 Lakeside #14-66	6,155.00	4095
3/24/16	Hydromax	5577 Lakeside #14-66A	1,915.00	4095
4/1/16	NONE			
5/2/16	Hydromax	5400 Sherwood	3,750.00	4112
5/26/16	Stemaly	4799 Briarwood	2,571.90	4126
6/9/16	Stemaly	5477 Spring Corner #14-69	2,427.60	4134
7/14/16	Hydromax	5903 Brookstone #16-07	4,169.20	4150
7/14/16	Hydromax	122 W Main Street #16-08	3,805.00	4150
8/11/16	Hydromax	6266 Ferstel Road #15-29	4,000.00	4164
8/11/16	Peyronnin	6644 Oak View #16-04	5,300.00	4166
8/11/16	Peyronnin	5411 Park Drive #16-03	4,450.00	4166
8/11/16	Stemaly	595 Forest Park #15-41	3,364.48	4166
8/25/16	Hydromax	7579 Broadview	3,300.00	4173
9/15/16	David Enterprises	66/Lincoln-Asphalt Patch	347.49	4180
9/15/16	David Enterprises	Frame/Village Lane-Asphalt Patch	306.35	4180
9/15/16	Hydromax	8131 Wyngate #15-12	4,675.00	4181
	Hydromax	7266 Nottingham #16-10	2,310.00	4181
9/15/16	Hydromax	7266 Nottingham #16-10A	630.00	4181
		Reimbursed from WOW/Time Warner	-2,940.00	
9/15/16	Stemaly	5566 Greensboro #14-77	1,873.10	4183
9/15/16	Stemaly	4411 Foxmoor #14-61	2,110.60	4183
9/15/16	Stemaly	2200 Kenyon #15-21	1,637.64	4183
9/15/16	Stemaly	7488 Oak Park #15-20	2,530.62	4183
9/15/16	Stemaly	7466 Oak Park #15-19	1,964.64	4183
9/15/16	Stemaly	2433 Holbrook #15-27	2,106.93	4183
9/29/16	Stemaly	4288 Mary Joetta #15-30	1,877.08	4193
		Reimbursed from WOW Cable	-1,877.08	
9/29/16	Stemaly	2411 Holbrook #15-26	2,106.93	4193
9/29/16	Stemaly	2411 Holbrook #15-26A	104.63	4193
9/29/16	Stemaly	6511 Heathervale #15-31	2,084.08	4193
9/29/16	Stemaly	5466 West Sherwood #15-32	3,039.16	4193
10/13/16	-	18 Williams #15-38	9,671.16	4199
10/13/16	Stemaly	18 Williams #15-38A	536.67	4199

NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

PREVENTATIVE MAINTENANCE VIDEO INSPECTION

		<u>20</u>	16 YEA	RL	Y PM	TV MAINTENANCE			
SUBDIVISION	ADDRESS	DISTANCE TELEVISED	MH#	<u>T0</u>	MH#	Туре	<u>Date</u> <u>of</u> <u>TV</u>	<u>Recommended</u> <u>Resolution</u>	<u>Date</u> Resolved
Powers Place	10122 Powers Drive	343	01-18		01-17	Main under home	12/13/2016	Line Relocation	
Powers Place	10122 Powers Drive	170	01-19		01-18	Main under home	12/13/2016	Line Relocation	
ſown	106 Lamey	232	05-17		05-18	Whole line has offset joints	12/15/2016	Main Line Replacement (3 tap repairs bid in 2012)	
ſown	610 W Jennings	203	05-29		09-11	12 ft from MH 09-11 line is collapsing & the drop is separated at mahole	12/28/2016	Possible CEI job/added per TV done 6/2/15	
- Town	517 Water St	207	09-02		05-31	Offset & ductile	12/15/2016	Future repair (193' from MH 09-02 where it changes to ductile)	
Γown	321 Jennings (complaint from Carol Smith Interiors)	195	09-16		09-15	Minor crack in main at 86'	12/28/2016	None given	
Fown	409 Jefferson	310	09-47		09-30	Whole line has offset joints & roots	12/28/2016	Replace line	
Town	425 Cypress	234	09-111		09-101	Main under home	12/13/2016	Line Relocation	
Town	Adams St	346	09-122	+	09-123	Offsets & Sags	12/15/2016	Main Line Replacement	
Town	223 Hillcrest	394	09-135		09-123	10 problems found, clay line	12/15/2016	Line Replacement	
lefferson Park	Corner of Jefferson Ct & Jefferson Park	196	10-51		10-50	Aerial sewer	12/14/2016	None given	
Town	919 Jefferson ST	226	10-67		10-68	Offsets & cracks in main (6 repairs listed on on the Future Repair List)	12/20/2016	Added from Jefferson St Project May, 2012	
Town	905 Jefferson ST	195	10-239		10-67	Every joint offset	12/21/2016	Added from Jefferson St Project May, 2012	
Town	919 Jefferson ST	393	10-66		10-239 New MH	Offsets & cracks in main (4 repairs listed on on the Future Repair List)	12/21/2016	Added from Jefferson St Project May, 2012	
Town	810 Jefferson St	391	10-66		10-65	Offsets & cracks in main (2 repairs listed on on the Future Repair List)	12/21/2016	Added from Jefferson St Project May, 2012	
Town	700 Jefferson St	396	10-65		10-64	Offsets & roots in main (2 repairs listed on on the Future Repair List)	12/21/2016	Added from Jefferson St Project May, 2012	
GSV	Sycamore	151	11-202	_	11-201	Main under pool	12/20/2016		
GSV	8288 lincoln	332	11-235		11-236	from 150' to 200' cracked pipe next to home	12/14/2016		
Fown	6466 Belle Rive Dr	367	13-02		13-01	Hole in main	12/14/2016	Also on Prev Maint/Ran backwards since upstream MH in landscraping	
_akevale Estates	6244 Pfafflin Lake Blvd	0	13-78		13-78	Monitor manhole/overflow 10/24/12 due to root clog	12/14/2016	Monitor only at this time	
Old Stonehouse	7133 Stonebridge Dr	0	13-131		13-131	Monitor manhole/overflow 11/1/12 due to root clog	12/14/2016	Manhole needs replaced	
Fown	300 Peachtree	Ð	13-166		13-165	Crack in main at 129' from MH 13-166	N/A	3 Future repaisr & Slipline CEI Project	CEI Project done in 201
Broadview	7599 Broadview	380	15-188		15-192	Main under home DO NOT ROOT CUT WITHOUT DOING TV FIRST	12/20/16	Line Relocation	
Buslers	Walgreens	139	15-223		15-25	Roots	12/14/2016	Point rep & Rootx	
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				_					
				_		<u> </u>			
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SL-RAT SANITARY SEWER FOOTAGE

2016 CMOM RAT FOOTAGE

L01-13 01-14 67 2016 L01-13 01-42 130 2016 L02-105 02-108 87 2016 L02-103 02-143 28 2016 L02-13 02-143 28 2016 L02-14 02-13 29 2016 L02-14 02-13 110 2016 L02-179 02-12 19 2016 L02-179 02-12 19 2016 L02-179 02-12 19 2016 L02-179 02-12 19 2016 L02-240 02-240 19 2016 L02-241 02-39 242 2016 L02-243 368 2016 102-26 L02-243 368 2016 102-26 L02-33 05-14 28 2016 L02-34 04-04 276 2016 L02-35 05-43 32 2016 L05-35 05-41 122	Name	Downstream MH	Line Footage	Year
Lo2-10502-108872016Lo2-13102-143282016Lo2-14102-153872016Lo2-14202-131232016Lo2-14702-1341102016Lo2-1502-1243292016Lo2-17902-124192016Lo2-17902-124192016Lo2-17902-124192016Lo2-17902-124192016Lo2-17902-1243072016Lo2-18002-212192016Lo2-14102-392422016Lo2-1502-1243072016Lo2-1602-2722752016Lo2-1702-124282016Lo2-1804-042762016Lo2-1905-14282016Lo2-1905-14282016Lo2-1905-142122016Lo2-1405-141222016Lo2-1505-1332016Lo5-1405-141782016Lo5-1405-141782016Lo5-1506-141782016Lo5-1606-63102016Lo5-1607-164732016Lo7-185812016Lo7-18407-185812016Lo7-18407-185812016Lo7-18407-185812016Lo7-18407-185812016Lo7-184	L01-15	01-14	67	2016
Lo2-1302-14396205Lo2-13102-132387205Lo2-14202-13110205Lo2-14702-13110205Lo2-1502-124399206Lo2-17902-1219206Lo2-20C002-20C019206Lo2-4102-39242206Lo2-42367206Lo2-4302-42367206Lo2-4402-39242206Lo2-4502-22367206Lo2-4602-73368206Lo2-4602-72275206Lo2-7602-72275206Lo2-7604-1398206Lo2-3305-1428206Lo5-4105-183206Lo5-4205-41122206Lo5-4305-4447206Lo5-4505-41122206Lo5-4605-41178206Lo5-4506-64178206Lo5-4606-635206Lo5-4507-1473206Lo5-4507-14473206Lo5-4507-14473206Lo7-18407-18581206Lo7-18407-14473206Lo7-18407-12063206	L01-43	01-42	130	2016
L02-13102-14328206L02-14202-1313372016L02-14702-131102016L02-15702-1243292016L02-17902-121192016L02-20002-2001192016L02-4102-392422016L02-4302-423672016L02-4402-433682016L02-7602-722752016L02-1504-042762016L02-1605-14282016L03-3305-14282016L05-3505-43312016L05-4605-1832016L05-4505-411222016L05-4505-434002016L05-4606-532016L05-4506-441782016L05-4506-441782016L05-4506-441782016L05-4506-441782016L05-4506-63552016L05-4506-64102016L05-4506-63552016L05-4506-64102016L05-4507-193172016L07-13407-1942652016L07-14407-185812016L07-15407-164732016L07-16407-164732016L07-16407-164732016L07-16407-16	L02-105	02-108	87	2016
Lo2-1402-15387206Lo2-14202-13110906Lo2-1502-124329906Lo2-17902-12119206Lo2-20002-2100119206Lo2-4102-39442206Lo2-4302-423672016Lo2-4402-433682016Lo2-7602-722752016Lo4-1204-13082016Lo3-3505-432552016Lo5-4105-1832016Lo5-4205-411222016Lo5-4505-43472016Lo5-4605-4752016Lo5-4505-434002016Lo5-4505-411222016Lo5-4505-434002016Lo5-4505-441782016Lo5-4505-4352016Lo5-4505-441782016Lo5-4507-193172016Lo5-4507-193172016Lo7-13307-193172016Lo7-14A07-142652016Lo7-15807-164732016Lo7-18407-185812016Lo7-18407-22632016	L02-13	02-14	396	2016
Lo2-14202-3123206Lo2-14702-32329206Lo2-1502-12419206Lo2-20002-210019206Lo2-4302-39242206Lo2-4402-39242206Lo2-4502-72275206Lo2-4602-72275206Lo2-3305-44276206Lo3-3405-35206207Lo3-3505-43255206Lo5-4205-41122206Lo5-4305-4447206Lo5-4405-433206Lo5-4506-610206Lo5-4605-775206Lo5-4606-31400206Lo6-6106-6355206Lo6-6406-6355206Lo7-13307-19317206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14265206Lo7-14A07-14263<	L02-131	02-143	28	2016
Lo2-14702-3110205L02-1502-12419206L02-17902-21C019206L02-2C002-21C019206L02-4102-39242206L02-4302-42367206L02-4402-43368206L02-7502-72275206L04-1204-042762016L04-1305-432552016L05-3305-441222016L05-4105-4332016L05-4205-411222016L05-4305-44472016L05-4506-614002016L06-6405-634002016L06-6406-63552016L06-6406-63552016L06-6407-193172016L07-13307-193172016L07-14A07-142652016L07-1507-164732016L07-16407-185812016L07-18407-185812016L07-18407-185812016L07-18407-22632016L07-14107-185812016L07-14107-185812016L07-18407-22632016L07-14107-185812016L07-14107-185812016L07-14107-185812016L07-141<	L02-14	02-15	387	2016
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loa-17902-121192016loa-24CO02-21CO1192016loa-4102-392422016loa-433682016loa-4402-433682016loa-7502-722752016loa-1304-032762016loa-1304-042762016loa-3305-14282016lo5-3505-132552016lo5-4105-1832016lo5-4205-141222016lo5-4305-44472016lo5-4605-314002016lo6-67102016lo6-6366-63552016lo6-6407-193172016lo6-1407-193172016lo7-13407-1442652016lo7-14407-145812016lo7-18407-22632016	L02-147	02-131	110	2016
Io2-20002-21001192016Io2-4102-392422016Io2-4302-423672016Io2-4402-433682016Io2-7602-722752016Io4-1204-13982016Io5-3305-14282016Io5-4305-132052016Io5-4305-14282016Io5-4405-1832016Io5-4505-411222016Io5-4605-4752016Io5-4505-411222016Io5-4605-4752016Io5-4506-411782016Io6-4606-634002016Io6-4506-64102016Io7-13307-193172016Io7-14A07-142652016Io7-1507-164732016Io7-18407-22632016Io7-18407-201332016	L02-15	02-124	329	2016
ID2-4102-39242006ID2-4302-423672016ID2-4402-433682016ID2-7602-722752016ID4-1204-13982016ID4-1304-042762016ID5-3305-14282016ID5-4305-1832016ID5-4405-1832016ID5-4505-411222016ID5-4605-4752016ID5-4505-434002016ID6-2606-314002016ID6-4107-641782016ID7-13307-193172016ID7-14A07-1432652016ID7-15407-164732016ID7-185812016ID7-18407-22632016ID7-14107-18132016	L02-179	02-12	119	2016
L02-4392-429672016L02-4402-433682016L02-7602-722752016L04-1204-13982016L04-1304-042762016L05-3305-14282016L05-4305-432552016L05-4305-411222016L05-4305-411222016L05-4305-44472016L05-4505-4752016L05-4506-61102016L06-6406-63552016L06-6406-63552016L07-13307-193172016L07-14407-145812016L07-185812016L07-18407-22632016	L02-22CO	02-21CO	119	2016
L02-4402-433682016L02-7602-722752016L04-1204-13982016L04-1304-042762016L05-3305-14282016L05-3505-432552016L05-4105-1832016L05-4205-411222016L05-4305-44472016L05-4605-4752016L05-4506-63302016L06-4506-63102016L06-4606-63552016L07-13307-193172016L07-14A07-142652016L07-18407-185812016L07-18407-22632016L07-18407-22632016	L02-41	02-39	242	2016
L02-7602-722752016L04-1204-13982016L04-1304-042762016L05-3305-14282016L05-3405-1832016L05-4205-411222016L05-4305-44472016L05-4405-4752016L05-4506-314002016L06-4606-63102016L06-4106-63552016L06-4206-63552016L06-4307-193172016L07-13407-1442652016L07-14407-145812016L07-18407-22632016L07-18407-20632016	L02-43	02-42	367	2016
L04-1204-13982016L04-1304-042762016L05-3305-14282016L05-3405-432552016L05-4105-1832016L05-4205-411222016L05-4305-44472016L05-4605-4752016L06-2606-314002016L06-4106-63552016L06-6406-63552016L07-13307-193172016L07-14407-142652016L07-18407-22632016L07-18407-22632016	L02-44	02-43	368	2016
L04-1304-042762016L05-3305-14282016L05-3505-432552016L05-4105-1832016L05-4205-411222016L05-4305-44472016L05-4605-314002016L06-4506-63552016L06-4606-63552016L06-6406-63552016L07-13307-193172016L07-16507-164732016L07-18407-185812016L07-18407-22632016L07-18407-24732016	L02-76	02-72	275	2016
L05-3305-14282016L05-3505-432552016L05-4105-1832016L05-4205-411222016L05-4305-4752016L05-4605-4752016L06-2606-314002016L06-4506-63102016L06-4106-63552016L07-13307-193172016L07-14A07-142652016L07-18407-185812016L07-18407-22632016L07-18407-24332016	L04-12	04-13	98	2016
Lo5-3505-432552016Lo5-4105-1832016Lo5-4205-411222016Lo5-4305-44472016Lo5-4605-4752016Lo6-2606-314002016Lo6-4506-641782016Lo6-6106-63552016Lo7-13307-193172016Lo7-14A07-142652016Lo7-18407-185812016Lo7-18407-22632016Lo7-14107-401332016	L04-13	04-04	276	2016
L05-4105-1832016L05-4205-411222016L05-4305-44472016L05-4605-4752016L06-2606-314002016L06-4506-441782016L06-6106-60102016L06-6406-63552016L07-13307-193172016L07-16507-164732016L07-18407-185812016L07-18407-22632016L07-18407-401332016	L05-33	05-14	28	2016
Lo5-4205-411222016Lo5-4305-44472016Lo5-4605-4752016Lo6-2606-314002016Lo6-4506-441782016Lo6-6106-60102016Lo6-6406-63552016Lo7-13307-193172016L07-14A07-142652016L07-18407-185812016L07-18407-22632016L07-18407-401332016	L05-35	05-43	255	2016
L05-4305-44472016L05-4605-4752016L06-2606-314002016L06-4106-641782016L06-6406-63552016L07-13307-193172016L07-14A07-1442652016L07-18407-185812016L07-18407-22632016L07-18407-241332016	L05-41	05-18	3	2016
Lo5-4605-4752016Lo6-2606-314002016Lo6-4506-441782016Lo6-6106-60102016Lo6-6406-63552016L07-13307-193172016L07-14A07-142652016L07-16507-164732016L07-18407-22632016L07-18407-201332016	L05-42	05-41	122	2016
L06-2606-314002016L06-4506-441782016L06-6106-60102016L06-6406-63552016L07-13307-193172016L07-14A07-142652016L07-16507-164732016L07-18407-22632016L07-1407-401332016	L05-43	05-44	47	2016
L06-4506-441782016L06-6106-60102016L06-6406-63552016L07-13307-193172016L07-14A07-142652016L07-16507-164732016L07-18407-22632016L07-1407-401332016	L05-46	05-47	5	2016
L06-6106-60102016L06-6406-63552016L07-13307-193172016L07-14A07-142652016L07-16507-164732016L07-18407-22632016L07-1407-401332016	L06-26	06-31	400	2016
L06-6406-63552016L07-13307-193172016L07-14A07-1442652016L07-16507-164732016L07-18407-185812016L07-18807-22632016L07-4107-401332016	L06-45	06-44	178	2016
L07-13307-193172016L07-14A07-142652016L07-16507-164732016L07-18407-185812016L07-18807-22632016L07-4107-401332016	L06-61	06-60	10	2016
L07-14A07-142652016L07-16507-164732016L07-18407-185812016L07-18807-22632016L07-4107-401332016	L06-64	06-63	55	2016
L07-16507-164732016L07-18407-185812016L07-18807-22632016L07-4107-401332016	L07-133	07-193	17	2016
L07-18407-185812016L07-18807-22632016L07-4107-401332016	L07-14A	07-14	265	2016
L07-18807-22632016L07-4107-401332016	L07-165	07-164	73	2016
L07-41 07-40 133 2016	L07-184	07-185	81	2016
	L07-188	07-22	63	2016
L07-57 07-41 125 2016	L07-41	07-40	133	2016
	L07-57	07-41	125	2016

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NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

PROPOSED MAIN LINE REPLACEMENTS

		Mair	Line	Re	placer	nent				
Year Added	SUBDIVISION	ADDRESS	<u>MH#</u>	<u>т0</u>	<u>MH#</u>	Footage Location	Recommended <u>Resolution</u>	<u>Date</u> <u>Resolved</u>	TV Date	Cues Total Pipe Score
2010	Powers	10264 Powers	01-13		01-02CO	Entire line	Line replacement/Take to Council for recommendation		11/09/10	
2009	Powers	10133 Kimberly	01-17		01-18	Total	Yrly TV Maint. List Line replacement project Turned over To CEI		8/27/2009 4/12/11 1/9/12 7/8/13 12/1/14 12/8/15	50.00 94.91
2007	Cricklewood	10455 Cricklewood	02-06		02-14	?	Possible main repair		03/28/07	
2007	Cricklewood	10455 Cricklewood	02-06		02-05	All 302'	Possible main repair		03/28/07	
2010	Epworth Village	5822 Garden Valley	02-16		02-15	175 - 187	Line replacement 2 future repairs on this segment		04/06/10	
2010	Epworth Village	10377 Cricklewood	02-16		02-15	216 - 225	Line replacement 2 future repairs on this segment		04/06/10	
2010	Epworth Village	5633 Garden Valley	02-19		02-21	Entire line	Line replacement		03/04/10	
2010	Epworth Village	5777 Garden Valley	02-22		02-21	Entire line	Line replacement		03/04/10	
2010	Epworth Village	5833 Garden Valley	02-23		02-22	Entire line	Line replacement		03/08/10	
2006	Colonial Hills	Gettysburgh	02-67		02-68	68-??? 206-???	Repair Main 4 future repairs on this segment		5/17/06 5/22/07 12/17/09 1/25/16	100.00
2009	Colonial Hills	10877 Williamsburg	02-71		02-67	120' - 133'	Line replacement 2 future repairs on this segment		5/22/07 12/9/09	
2010	Kenosha Hills	10477 Chippewa	02-80		02-96	Entire line	Line replacement		7/29/2010 11/4/13	56.17
2007	Kenosha Hills	10255 Marquette 10255 Marquette & into St.	02-84		02-91	191-237 249-270	Possible main repair 1 future repairs on this segment		04/03/07	
2010	Kenosha Hills	10311 Chippewa	02-90		02-103	Entire line	Line replacement		07/26/10	
2007 2010	Kenosha Hills	10366 Chippewa	02-102		02-101	Entire line	Line replacement 1 future repairs on this segment		07/26/10	
2010	Kenosha Hills	10377 Shawnee Dr	02-112		02-102	Entire line	Line replacement		08/10/10	
2010	Gaslight Square	5800 Morningside	02-117		02-118	27' - 90'	Line replacement		03/05/10	

MANHOLE INSPECTIONS / REPAIRS

		2016 MANH	OLE INSPECTIONS/REP	AIRS		
MANHOLE#	SUBDIVISION	ADDRESS	FUTURE REPAIRS AND/OR CLEANING REQUIRED	INSPECTION DATE	WORK PERFORMED BY	REPAIR DATE
01-15	Powers Place	10122 Kimberly Lane	Needs rehab for roots (bring tripod)	9/2/14 (TV)	NSD review to line or monoform	
02-03CO E. of MH 02- 134	Lakeland Ct	5844 Jeffries	Replaced lid	02/01/16	NSD	10/13/2016
02-29	Landmark Truck Line	SR 662	Replaced casting and kent sealed	9/8/16 (TV)	NSD	10/13/2016
02-34	SR 662	Across the street from 10644 SR 662 W	Replaced casting, lid & kent sealed	7/2/15 (RAT) 7/30/15 (TV)	NSD	10/18/2016
02-65	Colonial Hills	10777 Williamsburg	Casting needs replace (main line is cased in storm ditch)	1/27/16 (TV)	NSD	10/18/2016
02-113	Kenosha Hills	10288 Tecumseh	Roots & concrete	1/2/14 (locate)	NSD review to line or monoform	
02-127	Olde River Town	5873 Picadilly (behind Apt P1)	MH needs rehab	5/4/16 (LG)	Contractor	
03-04A	Kenosha Hills	10241 Shawnee Dr	MH needs sealed	5/30/2014 (RAT)	NSD	
05-03	Powers Place	9988 Kimberly Lane	Needs roots removed & barrells sealed	7/23/14 (Rat)	NSD review to line or monoform	
06-55	Hwy 662	Hwy 662 & Frame	Replaced casting, lid & kent sealed	12/23/15 Profile	NSD	10/18/2016
07-70	Stonecreek	10041 Stonecreek Cr	Upstream pipe offset from invert restricting flow/chip out main to South of this MH	2/23/12 (TV)	NSD	
07-130	Fieldcrest Place	Fieldcrest Place Circle	Replaced casting, lid & kent sealed	6/27/14 (TV)	NSD	10/18/2016

MANHOLES WITH GPS LOCATION

Manholes With GPS Locations for 2016

Manhole Number	GPS Year
04-35	2016
04-36	2016
04-37	2016
04-38	2016
04-39	2016
04-40	2016
04-41	2016
04-42	2016
04-43	2016
04-44	2016
04-45	2016
04-46	2016
04-47	2016
04-48	2016
04-49	2016
04-50	2016
04-51	2016
04-52	2016
04A-01	2016
04A-02	2016
04A-03	2016
04A-04	2016
04A-05	2016
04A-06	2016
04A-07	2016
04A-08	2016
04A-09	2016
04A-10	2016
04A-11	2016
04A-12	2016
04A-13	2016
04A-14	2016
04A-15	2016

NOTE: TYPICAL – SEE CD FOR FULL ATTACHMENT

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MANHOLES TO LOCATE & RAISE

		MANHOLES	TO RAISE	
		PENDING FROM 20	07 TO PRESENT	
Date			Address or	
Completed	MH	Instructions	Location	Comments
			Huntington Creek	
11/15/16	01-46	Raised 3 inches/depth 4' 6"	10433 Ashton Ct.	Per pink card 11/15/16
			Landmark Trunk Line	
	02-30	Needs raised	· · · - · · ·	Per rat list 6/24/15
	00.04		Landmark Trunk Line	
	02-31	Needs raised	l en dus suls	Per rat list 6/24/15
			Landmark	
	02-44	Needa located & raised	10611 Hampton (back yd	Per rat list 7/6/15
	02-44	Needs located & raised	under fence) Lakeland Ct	Per lat list 7/0/15
	02-144A	Buried (3 ft deep - staked & flagged)	Kreager Ln (behind Apt R1 &	
	02-144A Proj 14-53	(286 ft south of MH 02-144)	R2)	Per TV sheet 8/5/14
	F10j 14-33		Ashbury Parke	Per TV 5/13/14 (probably
	03-04CO	Buried under stone & brick sidewalk	4222 Ashbury Parke	will not raise)
	00-0-00		Thornbrook	wiii Hot raise)
	03-35	Buried under pool deck	4581 Brighton Ct	From TV sheet 6/15/11
		Raise	Country Place	
	07-04CO	(Cleanout n. of MH 07-30)	4100 Greenwood	TV 5/30/12
		Raise	Country Place	
	07-05CO	(Cleanout n. of MH 07-35)	4133 Roseview	TV 6/1/12
		Raise (C.O. west of 07-08)	Rabbit Run	
	07-09CO	Driveway over cleanout & tap	4211 Trinity	TV 7/24/11
		Raise	Country Place	
	07-11CO	(Cleanout se of MH 07-39)	4166 Roseview	TV 5/30/12
		Dead end manhole	Rabbit Run	TV 7/21/10
	07-25	Raise/ aggregate driveway over it	4022 Ridgetop	TV 3/7/11
			Woodstone	
			4000 Candlewood (NE corner	
	07 54	Deine 2 to 4 ft	in back yd. next to sprinkler	T) / 40/7/44
	07-51	Raise 3 to 4 ft	system & Ameritech pedestal) Fieldcrest Place	TV 10/7/14
			Empty Lot/Ameritech Cable	
	07-124	Raise	box #4575 on W. side of Rd.	
	07-124		Linwood Estates	
	07-144	Buried 6"		TV done 5/19/11
			1	
10/03/16	08-05	Lowered 3 iches	Arbor Point	Lowered by Developer
10/03/10	00-00		Arbor Pointe	BMB raised for Murphy
05/23/16	08-24	Raised 2 ft. barrell	Lot 80	Homes
00,20,10	0021		Arbor Pointe	BMB raised for Murphy
05/23/16	08-25	Raised 2 ft. barrell	Lot 80	Homes
			Arbor Pointe	BMB raised for Murphy
05/23/16	08-26	Raised 2 ft. barrell	Lot 79	Homes
10/03/16	08-32	Raised 3 feet	Arbor Point	Raised by Developer
10,00,10				
10/03/16	08-51	Lowered 1.08 ft	Warrick Wellness Trail Ext.	Lowered by Developer
10/03/10	00-01		Warner Weiness Hall EAL	
10/02/40	00.50	Deiend Cinches		Delead by Development
10/03/16	08-52	Raised 6 inches	Warrick Wellness Trail Ext.	Raised by Developer

FAT, OIL, AND GREASE (FOG) STATUS REPORT

Newburgh Wastewater Treatment Facilities FOG NOV Status Report

Updated: January 11, 2017

Business		N ^{Sent} NOV Re	sponsey Due by Interce	/	omaire Received FOG Dis	Permit Rei	ner ^{ection} Status
Acapulco's Permit No. 112613	6/24/13 5/7/15	5/27/15	10/1/13 6/13/15 ?	11/06/13	To UC on 12-4-13	10-25-13 Passed	In Compliance 5-7-15 NOV Letter Sent 78% Full Interceptors. No Response 5-31-15. 6-1-15 Chris sending NOV with Fine.
			7/10/15			7/09/15 Failed 61% Full	7-10-15: In Compliance
						7/10/15	Passed
American Legion Permit No. 062415	1/6/15	2/6/15			Approved by Council on 7-8-15	12-18-14: Failed	Must apply for a FOG Permit NOV needs to be sent.
	5/07/15	5/27/15					Per 4-28-15 internal mtg:Susan will send first NOV. 6-1-15: Received request for interceptor waiver. Interceptor waiver granted 6-10-15. Permit was approved by Council on 7-8-15.
							 There is a 180 day compliance schedule in the permit. Compliance is required by January 7, 2016. 1-22-16: LKey spoke to Jerry Blake via telephone. Mr. Blake was informed what was needed to comply: * Submit vendor detail sheets for grease trap (GT) approval. * Replace existing 22 gpm GT with a new 50 gpm GT. *24 hrs prior to install new GT call the Utility Office to schedule an inspection. *Installation must be inspected and approved by the Newburgh staff to achieve compliance. 2-22-16 50 GPM Grease Trap Installed and Inspected. Looks Good In Compliance
Arbys Permit No. 082813	06/26/13	07/26/13	08/21/13	08/20/13	Passed by Council on 9/11/13		In Compliance

GREASE INTERCEPTOR INSPECTIONS

Newburgh Wasterwater Treatment Facilities

2016 Grease interceptor Inspections

	Business	Contact	Phone #	FOG Amt.	Sludge Amt.	Date/Time	Total Depth	Comments
1	Acapulco's North 1500 Gln Int.	Melvin Ortez	453-9232	Inf- 0" Eff- 21"	Inf- 0" Eff- 5"	10/11/16 8:08 AM	43"	N-49 % S-30%
2	South 1500 Gln Int.	Melvin Ortez	453-9232	Inf- 8" Eff- 22"	Inf-0" Eff- 0"	This tank not full	43"	Tot-40% Full
3	Angelo's (Little) 50 GPM Trap	Bassam Jawabreh	431-6810	3"	6"	10/19/16 1:26 PM	16"	57% Full
4	Angelo's (Little) 20 GPM Trap	Bassam Jawabreh	431-6810	2"	1"	10/20/16 2:34 PM	11"	27% Full
5	American Legion	Bucky Honaker	858-9069	1"	2"	10/17/16 1:22 PM	18"	17% Full
6	Arby's	Joe Shelton	207-4698	8"	1"	10/6/16 12:56 PM	63"	15% Full
7	Archie & Clydes	Danny Bradley	490-7778	12"	4"	10/6/16 9:19 AM	80"	20% Full
8	Azzip Pizza	Brad Niemier	483-2400	1"	3"	10/14/16 10:48 AM	17"	24% Full
9	Beef-O-Bradys	John Greenwell	490-9464	Inf- 8" Eff- 8"	Inf- 0" Eff- 3"	10/6/16 1:11 PM	43"	23 % Full
10	Bell Oaks Terrace	Karen Lee	858-0488	Inf- 14" Eff- 12"	Inf- 8" Eff- 4"	10/6/16 2:14 PM	36"	53% Full
11	Boston's Pizza	Chris King	853-3400	Inf- 18" Eff- 28"	Inf- 6" Eff- 8"	10/6/16 8:07 AM	76"	40 % Full
12	Brentwood Meadows	Rosann Miller	858-7200	Inf- 25" Eff- 16"	Inf- 18" Eff- 6"	10/13/16 1:53 PM	43"	76 % Full
13	Lynn Auto Body (Old Bruce Hall)	Brian Lynn	629-5017	Skim	18"	10/10/16 1:24 PM	22"	82% Full
14	Burger King	Aaron Metcalf	858-3931	Inf- 12" Eff- 16"	Inf- 6" Eff- 8"	10/17/16 2:16 PM	60"	35% Full
15	Caf'e Arzau Under Deck	Penny Nejad	842-2200	2"	2"	10/19/16 8:15 AM	12"	33% Full
16	Caf'e Arzau Liquor Room	Penny Nejad	842-2200	3"	8"	10/19/16 8:22 AM	12"	92% Full
17	Cancun Riviera Grl North 1500 Gal	Frandy Labrador-Quiroz	550-5528	Inf- 20" Eff- 16"	Inf- 12" Eff- 1"	10/5/16 1:27 PM	44"	N 56% S .01%
18	South 1500 Gal	Frandy Labrador-Quiroz	550-5528	Inf50" Eff50"	Inf- 0" Eff- 0"	10/5/16 1:27 PM	45"	Total 28% Full
19	Casey's	Tim Russell	853-8923	Inf- 4" Eff- 2"	Inf- 0" Eff- 0"	10/5/16 12:41 PM	60"	.05% Full
20	John H Castle Elementary School	Debra Scales	853-8878	0"	8"	10/11/16 2:13 PM	86"	9 % Full
21	Castle High School	John Stucker	853-3331	1"	2"	10/12/16 1:39 PM	50"	6 % Full
22	Castle North Middle School	Dave Forston	202-0522	0"	2"	10/12/16 1:28 PM	48"	4 % full
23	Castle South Middle School	John Burchrum	490-7930	Inf25" Eff-0"	Inf- 0" Eff- 0"	10/13/16 1:42 PM	68"	.37 % Full
24	China Village	Maggie Sung	858-8238	Inf- 14" Eff- 8"	Inf- 2" Eff- 4"	10/6/16 9:47 AM	42"	34% Full
25	Circle "S" Epworth & Hwy 662	Hugh	547-6435	No Grease Trap				
26	Circle "S" Hwy 66 & Sharon Road	Hugh	547-6435	No Grease Trap				
27	Cleo's Bakery	Mary Jean Kellams	853-0500	.25"	3"	10/19/16 9:24 AM	11"	30% Full