

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: August 6, 2014
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Stan Rieger, US Engineering Specialist, Division of Engineering *SRW*
RE: DN 100359-WU - Application for staff-assisted rate case in Volusia County by
Tymber Creek Utilities, Incorporated.

Please file the attached Document regarding Settlement Agreement in the above mentioned docket file.

Thank you.

RECEIVED-FPSC
14 AUG - 6 AM 8:34
COMMISSION
CLERK

Hartman Consultants, LLC

100359-WS

www.hartmanconsultant.com

July 10, 2014

HC # 14049.00

Mr. J. Stanley Shirah
Tymber Creek Utilities, Inc.
1951 West Granada Blvd.
Ormond Beach, Fl. 32174

Re: Settlement Agreement Section 2 Item (3) page 3
Engineer's Certification of 2013 work - Years 2 (2013) and 7
DOAH Case No. 10-8863
OGC Case No. 10-2468

Dear Mr. Shirah:

This letter with Attachments A, B, C, and D constitutes the annual engineering review and certification to TCHOA, FDEP, FPSC, Mr. Cloud and for your files of the work performed through 2013. Please copy this letter and attachments for each party.

I hereby certify that the system has several TV inspection discs denoting the condition of the facilities. I have two of the compressed discs in my possession. I have reviewed the records and the work performed primarily by American In-Line Inspection, Inc.

Sewer system pre-cleaning was done by jetting and the deposited material was removed or processed. This activity is to industry standards.

The repairs were done to industry standards based upon the information provided.

Generally, TCU is ahead of the Settlement schedule and may finish the work earlier than the Settlement and FPSC investment schedule.

If you have any questions, do not hesitate to call.

Very truly yours,
Hartman Consultants, LLC



Gerald C. Hartman
PE, BCEE, ASA PE Registration #27703



Hartman Consultants, LLC
2107 Water Key Dr.
Windermere, FL 34786
Fla. Corp. #L13000126026

Gerald C. Hartman, PE, BCEE, ASA
Florida PE Registration #27703
ASA Registration # 7542

Attachments A, B, C, and D

RECEIVED
FLORIDA PUBLIC SERVICE
COMMISSION
14 JUL 28 AM 7:38
DIVISION OF
ACCOUNTING & FINANCE

Attachment A

3.0 NARUC CLASSIFICATIONS

The cost of construction, operation, and maintenance of facilities is included in the CIP. The FPSC reviews the cost of these items and determines if the costs are prudent and reasonable, then they allow them to be included in the rates charged to the utilities' customers.

The use of the National Association of Regulatory Utility Commissioners (NARUC) chart of accounts is required by utilities regulated by FPSC. **Tables 3-1** and **3-2** are used to code the individual CIPs into NARUC account. **Table 3-1** contains works done and/or will be done in addition to rate base. **Table 3-2** identifies incremental increased operation and maintenance expenses. **Tables 3-3A** and **3-3B** summarizes the capital and annual O&M costs for regulatory compliances.

Table 3-1 Addition to Rate Base

Item	NARUC Acct.	Description	Install Date	Cost
1	380	Replaced both positive displacement blowers at aeration tanks.	December 2008 and January 2009	\$11,900
2	370	Installed new motor at Groover Creek Crossing Lift Station.	May 26, 2009	\$900
3	370	Installed a new pump at the Hollow Brach Crossing lift station.	October 7, 2009	\$5,400
4	354	Added fencing installed on perimeter of the property in order to meet a request by Volusia County.	May 12, 2010	\$1,300
5	354	Installed pads and locking well covers on the monitoring wells.	May 12, 2010	\$200
6	361	Plugged stub-out at MH 28	June 6, 2010	\$375
7	380	Replaced the blower for Surge Tank	July 19, 2010	\$4,100
8	354	Replace monitoring well covers and bollards	Will be installed by December 31, 2011	\$2,850
9	370	Install automatic dialer	Will be installed by December 31, 2011	\$3,300
10	380	Install a backup surge pump, blower and motor assembly	Will be installed by December 31, 2011	\$5,675
11	370	Replace two pumps at the Inglewood lift station	Will be installed by December 31, 2011	\$14,400
12	380	Replace filter media in both filter cells	Will be installed by December 31, 2011	\$5,865

A1

Complete

Table 3-2 Operation and Maintenance Expenses

Item	NARUC Acct.	Description	Date	Cost (1)
1	736	Dye testing conducted on line from lift station to plant (force main).	April 7, 2010	\$300
2	736	Completed videography of the lines in Phase I referenced in the McKim & Creed report.	May 11 and June 1, 2010	\$5,000
3	775	Repaired minor leaks on the filter tank(s) and the Chlorine Contact Chamber.	June 17, 2010	\$5,000
4	720	Diffusers in the surge tanks were replaced and balanced to the same depth. Surge capacity and overall treatment has improved	June 28, 2010	\$300
5	731	Engineering and legal costs to date	To date	\$16,942.46
6	736	Force main standpipe leakage test	Year 1	\$2,000
7	711	Additional sludge hauling	Annual	\$25,200
8	736	Spot repair the Phase 1 collection system piping, where there is evidence of water intrusion, infiltration, or inflow to, by grouting, etc., and notify the Department of completion in writing.	Year 1	\$13,120
			Year 2	\$18,280
			Year 3	\$18,290
			Year 4	% \$12,840
			Year 5	\$12,540
			Year 6	\$10,150
			Year 7	% \$10,875
			Year 8	\$7,560
			Year 9	\$6,310
			Year 10	\$12,540
9	731	Provide engineering reports every five years to summarize the results and improvements. Provide annual letter report signed and sealed by professional engineer to report maintenance and repairs being done.	Year 1	\$8,000
			Year 2	\$500
			Year 3	\$500
			Year 4	\$500
			Year 5	\$500
			Year 6	\$8,000
			Year 7	\$500
			Year 8	\$500
			Year 9	\$500
			Year 10	\$500

2011 Done Yr #1 Actual #34,094.19 vs #31,440

(1) These costs do not include overheads.

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A-2

For Item 20, we prioritized all necessary repairs based on the video inspection and recommendations by previous engineering studies. We suggest that TCU should accomplish these repairs in a 10-year period.

Year 1

Previous engineering studies and the video inspection found that root intrusion and pipe deterioration exist in (1) sewer lines behind Hollow Branch Crossing (MH 2 to MH 1 and MH 1 to LS) and (2) along Snaresbrook Ct. (MH 22 to cleanout (CO) 23). Therefore, these repairs are recommended for the first year.

1. MH 2 to MH 1 - 8-inch VCP (behind Hollow Branch Crossing)
 - Grout joints at 15.8ft, 46.2ft, and 354.9 ft from MH 2
2. MH 1 to LS - 8-inch VCP (behind Hollow Branch Crossing)
 - Grout joints at 38.3ft, 159.2ft, 266ft, and 277.2 ft from MH 1
3. MH 22 to CO 23 - 6-inch VCP (along Snaresbrook Ct.)
 - Grout and root cut the complete distance of 175 LF
 - 3-ft short liner at 160.8 ft from MH 22
 - One lateral reinstatement
4. MH 22 to MH 21 - 8-inch VCP (along Shallow Creek Ford)
 - Grout the complete distance of 220 LF
 - 3-ft short liner at 27.6 ft from MH 22

Year 2

The Engineer Evaluation Report found that integrity of the pipe between manhole (MH) 16, behind 5 Creeksbridge Court and the Main Lift Station (LS) should be evaluated, as this is a critical link to the collection system. During the video inspection, multiple cracks and separated joints along the pipe were found including one which runs around circumference of pipe a few feet in front of joint. Therefore, the repair of the 8-inch vitrified clay pipe (VCP) between MH 16 to main LS is recommended in Year 2. The proposed repairs include:

- Grout the complete distance of 400 LF
- 4-ft short liner at 122.5 ft from MH 16
- 5-ft short liner at 237.2ft from MH 16
- 4-ft short liner at 244 ft from MH 16
- 4-ft short liner at 380.1 ft from MH 16
- 2-ft short liner at 391.9 ft from MH 16

Year 3

Based on the video inspection, the 8-inch VCP between MH 16 and MH 24 is in very poor condition. There are multiple cracks along the pipe and root balls in the pipe. Therefore cured in place pipe (CIPP) lining is recommended in Year 3.

1. MH 16 to MH 24 – 8-inch VCP
 - Complete distance (288 LF) liner
 - Three (3) lateral reinstatements
 - 10-ft of dry bag for inversion

Year 4

Root intrusions and multiple cracks were observed in pipes between MH 28 to MH 29 and MH 29 to CO 30 along Becontree Ct. It was also a concerned area in the hydraulic analysis conducted in 2009 engineering report. Therefore, these pipes are recommended to be repaired in Year 3 as follows:

1. MH 29 to CO 30 - 6-inch VCP (along Becontree Ct.)
 - Grout and root cut the complete distance of 125 LF
 - 3-ft short liner at 47.4 ft from MH 29
2. MH 29 to MH 28 - 8-inch VCP (along Sandy Spring Rd.)
 - Grout and root cut the complete distance of 185 LF
 - 3-ft short liner at 62.8 ft from MH 29
 - 3-ft short liner at 96.2 ft from MH 29

Year 5

1. General Cleaning

Visual inspection and cleaning of the collection system should be performed on a routine basis, not just in response to complaints or blockages. In an effort to ensure that all of the lines are routinely cleaned within a reasonable period of time, we suggest TCU should clean the entire system every five years.

Year 6

Along Shallow Creek Ford, 430 LF of 8-inch VCP between MH 21 to MH 19 is recommended to have grout repair in Year 6.

1. MH 21 to MH 20 - 8-inch VCP (along Shallow Creek Ford)
 - Grout the complete distance of 270 LF
 - 3-ft short liner at 152.9 ft from MH 21

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2. MH 20 to MH 19 - 8-inch VCP (along Shallow Creek Ford)

- Grout the complete distance of 160 LF

Year 7

In Year 7, the 6-inch VCP between MH 22 to CO 35 along Wicksfield Ct. will be lined at five spots where cracks were observed.

1. MH 22 to CO 35 - 6-inch VCP (along Wicksfield Ct.)

- 3-ft short liner at 9.4 ft from MH 22
- 3-ft short liner at 21.6 ft from MH 22
- 2-ft short liner at 44 ft from MH 22
- 4-ft short liner at 149.1 ft from MH 22
- 3-ft short liner at 153.6 ft from MH 22

Year 8

In Year 8, 239 LF of 8-inch VCP along Shallow Creek Ford between MH 19 and MH 18 and 140 LF of 8-inch VCP between MH 18 and drop MH 17 along Sandy Spring Rd. will be grout repaired.

1. MH 19 to MH 18 - 8-inch VCP (along Shallow Creek Ford)

- Grout the complete distance of 239 LF

2. MH 18 to MH 17 - 8-inch VCP (along Sandy Spring Rd.)

- Grout the complete distance of 140 LF

Year 9

In Year 9, 212 LF 8-inch VCP between MH 17 and MH 36 and a short distance of 65 LF 8-inch VCP between MH 36 and MH 16 along Creeksbridge Ct. will be grouted.

1. MH 17 to MH 36 - 8-inch VCP (along Creeksbridge Ct.)

- Grout and root cut the complete distance of 212 LF

2. MH 36 to MH 16 - 8-inch VCP (along Creeksbridge Ct.)

- Grout and root cut the complete distance of 65 LF

Year 10

1. General Cleaning

As stated above, every 5 years, general cleaning of the collection system is recommended.

Table 2-2 summarizes the costs for annual maintenance and repairs as mentioned above. Figure 2-1 depicts locations of these repairs by years. During 10 years, routine operation and maintenance (O&M) of the collections system are also recommended. A successful O&M program for a wastewater collection system provides many benefits including:

- Elimination of backups/overflows and associated public health hazards
- Utilization of the full hydraulic capacity of the system
- Extended service life and protection of capital investment in the collection system
- Reduced operating and capital costs
- Minimized damage to public/private property associated claims and liability.

Table 2-2 10-year Wastewater Collection System Additional Operational Costs @ November 2010 (without Overheads)

Year 1					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Install Manhole Insert	1	EA	\$ 250.00	\$ 250.00
2	Point Repair	1	LS	\$ 12,615.00	\$ 12,865.00
Total (Rounded)					\$ 13,120.00
Year 2					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 18,275.00	\$ 18,275.00
Total (Rounded)					\$ 18,280.00
Year 3					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Install CIPP	1	LS	\$ 18,290.00	\$ 18,290.00
Total (Rounded)					\$ 18,290.00
Year 4					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 12,835.00	\$ 12,835.00
Total (Rounded)					\$ 12,840.00
Year 5					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽²⁾
1	Cleaning and TV Inspection	1	LS	\$ 12,536.43	\$ 12,536.43
Total (Rounded)					\$ 12,540.00
Year 6					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 10,150.00	\$ 10,150.00
Total (Rounded)					\$ 10,150.00
Year 7					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 10,875.00	\$ 10,875.00
Total (Rounded)					\$ 10,875.00

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Table 2-2 10-year Wastewater Collection System Additional Operational Costs @ November 2010 (without Overheads)

Year 8					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 7,563.10	\$ 7,563.10
Total (Rounded)					\$ 7,560.00
Year 9					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽¹⁾⁽²⁾
1	Point Repair	1	LS	\$ 6,309.00	\$ 6,309.00
Total (Rounded)					\$ 6,310.00
Year 10					
Item	Descriptions	Quantity	Unit	Unit Price	Total Cost ⁽²⁾
1	Cleaning and TV Inspection	1	LS	\$ 12,536.43	\$ 12,536.43
Total (Rounded)					\$ 12,540.00

(1): Assuming one way mobilization will be absorbed in the 10 hour day rate, therefore, one high pressure sewer cleaner is \$1,600.00 per day.
 (2): TCU does not own the service laterals on the private property of each resident/customer. The point of connection is the property line. The property owner has the responsibility to maintain their service laterals---use of RootX foam or Roto-Rooter or other activities may be required.

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07/02/14
Accrual Basis

Attachment B,

**Tymber Creek Utilities, Inc (PSC)
Account QuickReport
All Transactions**

Type	Date	Num	Name	Memo	Split	Amount	Balance
105 - Const Work In Progress							
105.2 - Const Work In Progress (S)							
105.27 - 2011 Year 1							
Bill	11/11/2011	11/11	J. Stanl...	Supervised American In-Line 11/09/11 and 11/11/11 sewer lines			
Bill	11/14/2011	2011...	America...	Pressure grouted leaking joint in the lift station	231.2 · A...	300.00	300.00
Bill	11/14/2011	2011...	America...	12 gallons of grout mixture	231.13 · ...	200.00	500.00
Bill	11/14/2011	2011...	America...	3 hours to video inspect sanitary lines	231.13 · ...	240.00	740.00
Bill	11/14/2011	2011...	America...	3 hours to light clean sanitary lines	231.13 · ...	525.00	1,265.00
Check	12/23/2011	9487	Steve F...	Sewer Repair 4 Creeksbridge	231.13 · ...	525.00	1,790.00
Check	12/23/2011	9488	Steve F...	Rental of backhoe 3 Creeksbridge	131 · Su...	250.00	2,040.00
Check	12/23/2011	9488	Steve F...	Equipment operator expense 3 Creeksbridge	131 · Su...	548.15	2,588.15
Check	12/23/2011	9488	Steve F...	2 8" fernco coupling 3 Creeksbridge	131 · Su...	120.00	2,708.15
Bill	12/23/2011	12/11	J. Stanl...	Supervised American In-Line 12/19, 12/20, 12/21, 12/22, 12/23/11 lining ...	131 · Su...	39.84	2,747.99
Bill	12/26/2011	2011...	America...	Installation of 392 LF of 8" manhole to manhole liner from manhole 16 to ...	231.2 · A...	750.00	3,497.99
Bill	12/26/2011	2011...	America...	Reinstated two laterals from manhole 16 to the Lift Station on 12/21/11	231.13 · ...	18,811.20	22,309.19
Bill	12/26/2011	2011...	America...	5.5 hours for vactor unit and crew to heavy clean sand and debris from ...	231.13 · ...	400.00	22,709.19
Bill	12/26/2011	2011...	America...	3.5 hours to light clean 8" sanitary sewer collection system on 12/23/11	231.13 · ...	962.50	23,671.69
Bill	12/26/2011	2011...	America...	3.5 hours to video inspect 8" sanitary sewer collection system on 12/23/11	231.13 · ...	612.50	24,284.19
Bill	12/26/2011	2011...	America...	6.5 hours for vactor unit and crew to clean 8" sanitary sewer and the lift s...	231.13 · ...	612.50	24,896.69
Bill	12/26/2011	2011...	America...	Video Inspection of 760' of 8" sanitary sewer collection system on 12/23/11	231.13 · ...	1,137.50	26,034.19
Bill	12/26/2011	2011...	America...	Dump fees	231.13 · ...	760.00	26,794.19
Bill	01/31/2012	01/31...	J. Stanl...	Supervised American-In-Line 4 hrs	231.13 · ...	150.00	26,944.19
Bill	01/31/2012	01/31...	J. Stanl...	Supervised American-In-Line 3 hrs	231.2 · A...	100.00	27,044.19
Bill	01/31/2012	01/31...	J. Stanl...	Supervised American-In-Line 8 hrs	231.2 · A...	75.00	27,119.19
Bill	02/17/2012	2012...	America...	Installation of (1) 4'x6" sectional liner at 0' from manhole 17 to clean out 26	231.2 · A...	200.00	27,319.19
Bill	02/17/2012	2012...	America...	Installation of (1) 2'x6" sectional liner at 0' from manhole 27 to clean out 31	231.13 · ...	1,650.00	28,969.19
Bill	02/28/2012	11986	America...		231.13 · ...	1,350.00	30,319.19
Dep...	05/04/2012		America...	Deposit	231 · Ac...	7,501.76	37,820.95
Bill	12/11/2012	2012...	America...	Work on tanks and pushed camera through 3 laterals	131 · Su...	-7,501.76	30,319.19
					231 · Ac...	3,775.00	34,094.19
Total 105.27 - 2011 Year 1						34,094.19	34,094.19
Total 105.2 - Const Work In Progress (S)						34,094.19	34,094.19
Total 105 - Const Work In Progress						34,094.19	34,094.19
TOTAL						34,094.19	34,094.19

8:11 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

Type	Date	Num	Name	Memo	Split	Amount	Balance
105 · Const Work In Progress							
105.2 · Const Work In Progress (S)							
105.28 · 2012 Year 2							
Bill	12/18/2013	2013...	American I...	Installation of 285.5 LF of 8" manhole to manhole lin...	231.1...	16,627.50	16,627.50
Total 105.28 · 2012 Year 2						<u>16,627.50</u>	<u>16,627.50</u>
Total 105.2 · Const Work In Progress (S)						<u>16,627.50</u>	<u>16,627.50</u>
Total 105 · Const Work In Progress						<u>16,627.50</u>	<u>16,627.50</u>
TOTAL						<u>16,627.50</u>	<u>16,627.50</u>

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8:11 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

Type	Date	Num	Name	Memo	Split	Amount	Balance
105 · Const Work In Progress							
105.2 · Const Work In Progress (S)							

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8:09 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

Ty...	Date	Num	Name	Memo	Split	Amount	Balance
105 · Const Work In Progress							
105.2 · Const Work In Progress (S)							
105.29 · 2013 Year 3 — 4							
Bill	11/14/2011	2011420	America...	Pressure grouted 166' of 6" sanitary sewer from manhole 22 to clean out 23	231....	2,822.00	2,822.00
Bill	12/26/2011	2011486	America...	Installation of 205 LF of 8" manhole to manhole liner from manhole 22 to manh...	231....	10,250.00	13,072.00
Bill	12/26/2011	2011486	America...	Cut roots from Clean out 23 to manhole 23 on 12/20/11	231....	500.00	13,572.00
Bill	12/26/2011	2011486	America...	Installation of (1) 2' 6" sectional liner at 5.0' from clean out 23 to manhole 22 on ...	231....	1,350.00	14,922.00
Bill	12/26/2011	2011486	America...	Installation of (1) 2' 6" sectional liner at 16' from clean out 23 to manhole 22 on ...	231....	1,350.00	16,272.00
Bill	01/13/2012	2012107	America...	Installation of (1) 2' x 6" sectional liner at 1' from manhole 22 to clean out 23 on ...	231....	1,350.00	17,622.00
Bill	01/13/2012	2012107	America...	Installation of (1) 4' x 6" sectional liner at 9' from manhole 22 to clean out 24 on ...	231....	1,650.00	19,272.00
Bill	02/16/2012	02/12	J. Stanle...	Repair work of stuff that they found wrong	231....	100.00	19,372.00
Bill	02/17/2012	2012160	America...	Rootx entire line and 4 laterals from clean out 23 to manhole 22	231....	1,301.76	20,673.76
Bill	02/28/2012	20121...	America...	Installation of (1) 4'x6" sectional liner at 70.3' from manhole 19 to c/o on Raven...	231....	1,650.00	22,323.76
Bill	02/28/2012	20121...	America...	Installation of (1) 4'x6" sectional liner at 47.7' from manhole 29 to c/o on Beaco...	231....	1,650.00	23,973.76
Bill	02/28/2012	20121...	America...	Rootx 10311" of 6" pipe from manhole 29 to c/o 30 on beacontree ct.	231....	465.56	24,439.32
Bill	12/20/2013	12/20/...	J. Stanle...	Worked with American In Line re Liner Installation	231....	500.00	24,939.32
Total 105.29 · 2013 Year 3 /4						24,939.32	24,939.32
Total 105.2 · Const Work In Progress (S)						24,939.32	24,939.32
Total 105 · Const Work In Progress						24,939.32	24,939.32
TOTAL						24,939.32	24,939.32

8:09 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

8:04 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

Type	Date	Num	Name	Memo	Split	Amount	Balance
105 · Const Work In Progress							
105.2 · Const Work In Progress (S)							
105.33 · 2017 Year 7							
Bill	01/10/2012	322	Shirah ...	Wicksfield Ct. Sewer Line Replacement (Partial bill for y...	231 · Ac...	2,377.71	2,377.71
Bill	07/29/2013	409	Shirah ...	Completion of Wicksfield Sewer Line Repair - Final Bill	231.11 · ...	3,188.24	5,565.95
Total 105.33 · 2017 Year 7						<u>5,565.95</u>	<u>5,565.95</u>
Total 105.2 · Const Work In Progress (S)						<u>5,565.95</u>	<u>5,565.95</u>
Total 105 · Const Work In Progress						<u>5,565.95</u>	<u>5,565.95</u>
TOTAL						<u><u>5,565.95</u></u>	<u><u>5,565.95</u></u>

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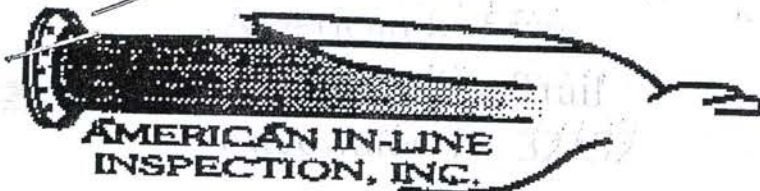
8:09 AM
 07/02/14
 Accrual Basis

Tymber Creek Utilities, Inc (PSC) Account QuickReport All Transactions

Type	Date	Num	Name	Memo	Split	Amount	Balance
105 · Const Work In Progress							
105.2 · Const Work In Progress (S)							

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 Page 1

Attachment C.



American In-Line
415 Timaquan Trail
Edgewater, FL 32132

PHONE
386/409-5446
FAX 386/957-4919

Tymer Creek Utilities
1951 West Granada Blvd.
Ormond Beach, FL 32174

INVOICE

DATE	INVOICE #
12/18/2013	2013681

JOB NAME	TERMS	DUE DATE	PURCHASE ORDER	
Sandy Spring Road	Net 30	1/17/2014		
DESCRIPTION	QTY	RATE	AMOUNT	
Installation of 285.5 LF of 8" manhole to manhole liner from manhole 16 to manhole 24 on 16-December-2013	285.5	55.00	15,702.50	
Reinstated 3 laterals on 17/18-December-2013	3	275.00	825.00	
10' of dry bag used for inversion	10	10.00	100.00	
Thank you for your business.		Total	\$16,627.50	

INVOICES UNPAID AFTER 30 DAYS WILL BE SUBJECT TO A 1.5% LATE CHARGE. ANY SERIOUSLY DELINQUENT ACCOUNTS WILL BE TURNED OVER TO OUR COLLECTION AGENCY OR ATTORNEY. PLEASE NOTE: THE PARTY ORDERING THE MATERIALS AND SERVICES AGREES TO PAY ALL COSTS OF COLLECTION INCLUDING REASONABLE ATTORNEY'S FEES.

C-1



American In-Line
 415 Timaquan Trail
 Edgewater, FL 32132

PHONE
 386/409-5446
 FAX 386/957-4919

INVOICE

Tymber Creek Utilities
 1951 West Granada Blvd.
 Ormond Beach, FL 32174

DATE	INVOICE #
12/11/2012	2012548

JOB NAME	TERMS	DUE DATE	PURCHASE ORDER
	Net 30	1/10/2013	
DESCRIPTION	QTY	RATE	AMOUNT
Daily rate for repair crew to Chipped and cleaned off old concrete, clean and epoxy coat 3 tanks on 07-December-2012	1	1,800.00	1,800.00
Materials needed for repair	1	750.00	750.00
7 hours for vactor unit & crew to clean 3 tanks and push camera 3 laterals on 10-December-2012	7	175.00	1,225.00
<p>ENTERED [initials]</p> <p>ENTERED [initials]</p> <p>pd 2000.00 ck 12302 2/15/13</p>			
Thank you for your business.			Total \$3,775.00

INVOICES UNPAID AFTER 30 DAYS WILL BE SUBJECT TO A 1.5% LATE CHARGE. ANY SERIOUSLY DELINQUENT ACCOUNTS WILL BE TURNED OVER TO OUR COLLECTION AGENCY OR ATTORNEY. PLEASE NOTE: THE PARTY ORDERING THE MATERIALS AND SERVICES AGREES TO PAY ALL COSTS OF COLLECTION INCLUDING REASONABLE ATTORNEY'S FEES.

C-2

21775.00



Underground Utility Video Services

TYMBER CREEK UTILITIES

2013 REPAIRS

DVD # 1 - REPAIR

16 - DECEMBER - 2013

PREPARED BY D.P.

C-3



Defect Listing

Pipe Segment Refere... 3	City ORMOND	Street RAINTREE CT.	Material VITRIFIED CLAY PIPE	Location C...	Sewer Use
Upstream MH 24	Total Length	Year Laid	Shape CIRCULAR	Location Details	
DS Manhole 16	Length surveyed 284.5	Year Renewed	Height 8	Width 8	Pipe Joint...
SPR	MPR	Up Rim to Invert 9	Customer TYMBER CREEK		
SPRI	MPRI	Down Rim to Invert 3.7	Purpose		
QSR	QMR	Direction DOWNSTREAM	Date 20131220	Media label 1	
OPR	Surveyed By Casey	Pre-Cleaning JETTING	Time 07:22	Weather	
OPRI	Certificate Number U-607-4904	Date Cleaned	End Time 07:36	Additional Info	
Project					

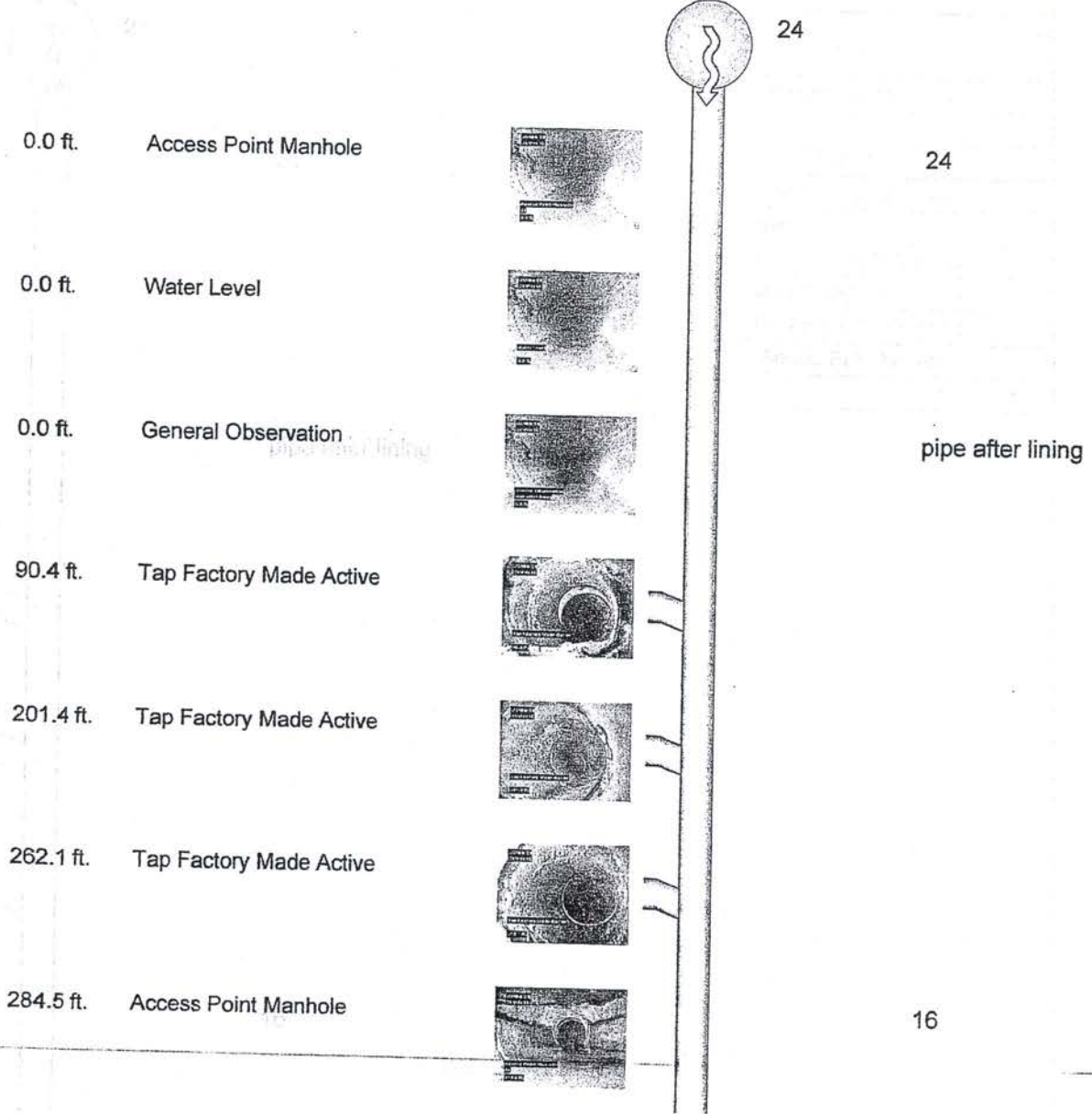
Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole					<input type="checkbox"/>			
Remarks: 24									
0.0 ft.	Water Level				0	<input type="checkbox"/>			2
0.0 ft.	General Observation					<input type="checkbox"/>			
Remarks: pipe after lining									
90.4 ft.	Tap Factory Made Active		4			<input type="checkbox"/>	2		
201.4 ft.	Tap Factory Made Active		4			<input type="checkbox"/>	2		
262.1 ft.	Tap Factory Made Active		4			<input type="checkbox"/>	3		
284.5 ft.	Access Point Manhole					<input type="checkbox"/>			
Remarks: 16									

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Defect Listing Plot with Images

Pipe Segment Refere... 3	City ORMOND	Street RAINTREE CT.	Material VITRIFIED CLAY PIPE	Location C...	Sewer Use
Upstream MH 24	Total Length	Year Laid	Shape CIRCULAR	Location Details	
DS Manhole 16	Length surveyed 284.5	Year Renewed	Height 8	Width 8	Pipe Joint...
SPR	MPR	Up Rim to Invert 9		Customer TYMBER CREEK	
SPRI	MPRI	Down Rim to Invert 3.7		Purpose	
QSR	QMR	Direction DOWNSTREAM	Date 20131220	Media label 1	
OPR	Surveyed By Casey	Pre-Cleaning JETTING	Time 07:22	Weather	
OPRI	Certificate Number U-607-4904	Date Cleaned	End Time 07:36	Additional Info	
Project					

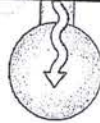


C-5



Defect Listing Plot with Images

Pipe Segment Refer...	City	Street	Material	Location C...	Sewer Use
3	ORMOND	RAINTREE CT.	VITRIFIED CLAY PIPE		
Upstream MH	Total Length	Year Laid	Shape	Location Details	
24			CIRCULAR		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
16	284.5		8	8	
SPR	MPR	Up Rim to Invert		Customer	
SPRI	MPRI	9		TYMBER CREEK	
QSR	QMR	Down Rim to Invert		Purpose	
		3.7			
OPR	Surveyed By	Direction	Date	Media label	
	Casey	DOWNSTREAM	20131220	1	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
	U-607-4904	JETTING	07:22		
Project	Date Cleaned		End Time	Additional Info	
			07:36		



16

C-6

Attachment ~~A~~ D
 Program Summary

Construction
 Costs

<u>Year</u>	<u>Items Certified</u>	<u>Estimated</u>	<u>Actual</u>
2011	Year 1 + 2	\$31,410	\$34,094.1
2012	Year 2	18,280	16,627.0
2013	Year 4 + 7	23,715	30,505.0
	Subtotal	\$73,405	\$81,226.96

5 of 10 years completed in the first 3 years.

Where cost containment could be attained by repairing related items during construction, such work was done to save program costs.

A.C. [Signature] 7/10/2014