



**Herbert, Rowland & Grubic, Inc.
Engineering & Related Services**

AN EMPLOYEE-OWNED COMPANY

**369 East Park Drive
Harrisburg, PA 17111
(717) 564-1121
www.hrg-inc.com**

June 13, 2016

**WASTEWATER COLLECTION,
CONVEYANCE, AND TREATMENT FACILITIES
CAPITAL CHARGES STUDY
PURSUANT TO ACT 57 OF 2003**

**Borough of Conshohocken Authority
MONTGOMERY COUNTY, PENNSYLVANIA**

HRG Project No. R07553.0425

BOROUGH OF CONSHOHOCKEN AUTHORITY
WASTEWATER COLLECTION, CONVEYANCE AND TREATMENT FACILITIES

CAPITAL CHARGES STUDY
TABLE OF CONTENTS

| | |
|---|----|
| Summary of Capital Charges Fees..... | 1 |
| Schedule A: Calculation of Connection Fee | 3 |
| Schedule B: Calculation of Customer Facilities Fee | 4 |
| Calculation of Tapping Fee: Summary | 5 |
| Schedule C: Calculation of Tapping Fee Capacity Part | 6 |
| Schedule D: Calculation of Tapping Fee Collection Part..... | 8 |
| Schedule E: Calculation of Tapping Fee Special Purpose Part | 10 |
| Schedule F: Calculation of Tapping Fee Reimbursement Part..... | 11 |
| Schedule G: Calculation of Reservation of Capacity Fee | 12 |
| Certificate of Consulting Engineer | 13 |

Exhibit 1 – Summary of Historical/Replacement Costs – Capacity Part
Exhibit 2 – Summary of Replacement Costs –Collection Part

Appendix 1 – Inventory of Sewer Mains by Size
Appendix 2 – Inventory of Manholes

SUMMARY OF CAPITAL CHARGES FEES **MARCH 2016**

The Borough of Conshohocken Authority's (BCA) Wastewater System consists of collection, conveyance, and treatment facilities owned and operated by BCA. The original system was constructed in the 1940's with a major upgrade of the wastewater treatment facilities in 1990-1991. The system provides wastewater treatment services to the Borough of Conshohocken, Borough of West Conshohocken, portions of Plymouth Township and specific properties in White Marsh Township. While BCA is responsible for the operation of the treatment facilities, West Conshohocken and Plymouth Township have made capital contributions to these facilities in exchange for an allocation of capacity in accordance with the terms of their respective inter-municipal agreements. The agreements also provide for ongoing participation in the costs of future wastewater treatment plant capital improvements, debt related to the jointly used facilities and operation and maintenance costs. West Conshohocken and Plymouth Township own the collection facilities located within their boundaries and are responsible for their operation and maintenance.

The BCA wastewater treatment plant (WWTP) is a 2.3 MGD advanced secondary treatment facility consisting of rotating biological disks, primary and secondary clarifiers, influent pumping station, mechanically cleaned bar screens, chlorination, and post aeration. Sludge handling facilities include aerobic digestion, gravity thickeners, and belt filter presses. The inter-municipal agreements allocate approximately 1.07 MGD of capacity to West Conshohocken Municipal Authority (WCMA) and Plymouth Township (PT). The collection system serving the Borough of Conshohocken consists of approximately twenty-two (22) miles of sewer mains that are owned and operated by BCA.

The Municipality Authorities Act (the "Act) was amended by Act 57 of 2003 which provides for the imposition of three separate fees that are designed to allow Municipal Authorities and Municipalities to recover certain, specific costs and equity in the system. With the exception of assessments, these are the only initial charges that are allowed. However, the Authority may also require financial security including the funding of an escrow account in order to insure payment of review and inspection fees. Sewer rents and other charges that recover operating, maintenance, and debt service costs are largely unaffected by Act 57 except that certain conditions are applied to the collection and amount of reservation of capacity fees.

The three fees authorized by Act 57 are summarized below:

| | <u>Schedule Reference</u> | <u>Maximum Amount of Charge per Residential Unit</u> |
|---|---------------------------|--|
| 1 Connection Fee | A | Actual Cost |
| 2 Customer Facilities Fee | B | Actual Cost |
| 3 Tapping Fee | | |
| a) Capacity Part | C | \$ 2,925.00 |
| b) Collection Part | D | \$ 2,690.00 |
| c) Special Purpose Part * | E | As Applicable |
| d) Reimbursement Part * | F | As Applicable |
| Total Tapping Fee per Residential Unit | | \$ 5,615.00 |

**Applies only to specific new connections*

The Residential Tapping Fee is the maximum allowed by Act 57. The maximum tapping fee for a Non-Residential

connection will be based on the number of gallons per day required by the new connection and computed as follows:

| Non-Residential Tapping Fee | |
|------------------------------------|-----------------------|
| Capacity Part | \$15.81 |
| Collection Part | \$14.54 |
| Total (per gpd) | <u>\$30.35</u> |

Both the Residential and Non-Residential Tapping Fees listed above are calculated based upon hydraulic capacity. The Act allows the Authority to charge Non-Residential users a tapping fee based upon organic capacity or other regulated parameter of the Authority's wastewater. In addition, they may collect additional tapping fees in conjunction with additional capacity requirements of those customers.

The Special Purpose Part and Reimbursement Part will be applied as applicable.

The Act allows for the imposition of a Reservation of Capacity Fee. We have determined that the maximum Reservation of Capacity Fee allowed by the Act is:

| | Schedule Reference | Maximum Reservation of Capacity Fee |
|------------------------------|---------------------------|--|
| 1 Residential Connection | G | \$232.00 per year per residential dwelling unit |
| 2 Non-Residential Connection | G | \$ 1.26 per year per daily gallon of reserved capacity |

SCHEDULE A: **CALCULATION OF CONNECTION FEE**

The connection fee covers the cost of the facilities installed between the sewer main and the property line of the property being connected. Construction of these facilities is generally the responsibility of the property owner with the prior approval of the Authority. All costs associated with the installation of these facilities are to be paid by the property owner. If the Authority incurs costs associated with the installation of these facilities, the fee will be calculated using an actual cost method as illustrated below. The illustration provides examples of costs the Authority might incur that are chargeable to the property owner under the definition of this fee, but is not all-inclusive.

In lieu of payment of a connection fee, the Authority may require the construction and dedication of these facilities by the property owner. In this case, the Authority's only cost will be for inspection, and the cost of inspection may be charged based on the Authority's rate resolution in effect at the time of connection.

| | |
|-------|---|
| \$ | Direct Materials Cost |
| + | Direct Subcontract Costs |
| + | Equipment Rental Charges |
| + | Direct Labor Costs |
| + | Fringe Benefits, Employment Taxes, and other Employment Costs |
| + | Cost of Inspection ⁽¹⁾ |
| + | Application and Administrative Costs |
| + | Planning Module Review ⁽²⁾ |
| + | Miscellaneous Engineering |
| + | Miscellaneous Legal Expenses |
| <hr/> | |
| = | Total Connection Fee |

(1) Includes the cost of inspection for all facilities installed by property owner or subcontractor hired by the Authority.

(2) If required.

SCHEDULE B: **CALCULATION OF CUSTOMER FACILITIES FEE**

The customer facilities fee covers the cost of facilities from the property line to the proposed dwelling or building. The property owner generally provides the construction of these facilities. In most instances, the Authority's only cost will be for inspection, and the cost of inspection may be charged based on the Authority's rate resolution in effect at the time of connection.

In some instances, the Authority may determine that the installation of customer facilities is necessary to accommodate flow from a particular property. An example would be the installation of a grinder pump when gravity flow to the sewer main is not possible. The authority may elect to install such facilities; however, all costs of these facilities are chargeable to the property owner as illustrated below:

| | |
|----|--|
| \$ | Direct Materials Cost |
| + | Direct Subcontract Costs |
| + | Equipment Rental Charges |
| + | Direct Labor Costs |
| + | Fringe Benefits, Employment Taxes, and other Employment Costs |
| + | Other Direct Costs |
| = | Total Customer Facilities Fee |

CALCULATION OF TAPPING FEE: SUMMARY

The tapping fee is based on the Authority's equity in the system and payment of the tapping fee constitutes the new user's "buy-in" to the system. The capital costs associated with the construction of the Authority's facilities are updated to reflect current costs in accordance with one of the methods allowed by the Act. Facilities funded by others and dedicated to the Authority are not included in the computation of this fee. Outstanding debt related to the facilities must be subtracted except when calculating the initial tapping fee for a new system. The estimated cost of future capacity facilities has not been included in this calculation.

The tapping fee is comprised of up to four components, which are separately calculated. In lieu of the payment of a tapping fee, the Authority may require the construction and dedication of only such capacity, collection, or other special purpose facilities to supply service to the property owner or owners.

| | |
|--|---------------------------|
| Capacity Part | \$ 2,925.00 |
| + Collection Part | \$ 2,690.00 |
| + Special Purpose Part * | As Applicable |
| + Reimbursement Component * | As Applicable |
| = Total Tapping Fee per Residential Unit | <u><u>\$ 5,615.00</u></u> |

**Applies only to specific new connections*

SCHEDULE C: CALCULATION OF TAPPING FEE CAPACITY PART

Capacity Part. This part of the tapping fee includes those costs associated with construction of the wastewater treatment facility, influent pump station, force main, and interceptors. Collection lines and appurtenances are included in the Collection Part.

As outlined by Act 57 of 2003, this study computes the value of the system based on historical costs trended to current values using the generally accepted Engineering News Record (ENR) construction index. Reliable historical cost records were not available for the interceptor sewers which were valued using the Replacement Cost Method. To the extent that historical cost is not ascertainable, reasonable written estimates of current replacement costs have been prepared by Herbert, Rowland and Grubic, Inc. (HRG).

Pursuant to the requirements of Act 57, the calculation of this fee requires a downward adjustment to reflect funds or facilities contributed by other parties, federal and state grants and capital contributions. Facilities contributed by developers have been excluded from the calculations in order to arrive at the net historical cost. Outstanding debt that financed the facilities must also be deducted since this is not the initial tapping fee for a system exclusively serving new users. This methodology is used for the costs associated with all capacity facilities.

The Capacity Part includes the wastewater treatment facilities and construction of pump stations and related force mains and interceptor sewers.

The cost of the Authority's Capacity Facilities is summarized in Exhibit 1. Generally these were computed using the Trended Historical Cost method allowed by the Act. Capacity Facilities consist primarily of the wastewater treatment plant and related appurtenances needed for the treatment of collected wastewater in accordance with the permits issued by the PA Department of Environmental Protection (DEP). The cost of interceptor sewers was not ascertainable. Accordingly, as provided for in the Act, we have calculated the cost of those facilities using the replacement cost method as described in Exhibit 2. Collection Part.

Historical and replacement costs are outlined in Exhibit 1.

| Total Adjusted and Trended Cost of Capacity Facilities - Outstanding Debt | = | Cost per Unit of Design Capacity |
|--|----------|---|
| System Design Capacity (gpd) | | |
| \$19,494,942 - \$0 | = | \$15.81 per gpd |
| 1,233,030 | | |

Act 57 establishes the maximum capacity for a residential connection. It is based on 90 gallons per day per capita applied to the average number of persons per household as determined by the most recent United States census. This calculation uses a capacity per Residential Unit (RU) of 185 gpd based on the 90 gallons per person per day multiplied by the 2010 Census statistic of 2.05 persons per household in the Borough of Conshohocken, Montgomery County, PA.

The maximum Capacity Part of the Tapping Fee per Residential Unit is calculated as follows:

| Number of Units of Design Capacity (gpd per RU) | x | Cost per Unit of Design Capacity | = | Capacity Part of Tapping Fee |
|--|----------|---|----------|-------------------------------------|
| 185 | x | \$15.81 | = | \$2,924.96 per RU |

SCHEDULE D:
CALCULATION OF TAPPING FEE
COLLECTION PART

Collection Part: This part includes costs associated with the construction of the sewage collection system including sewer mains, manholes and associated appurtenances. There are no pumping stations.

The Collection Part includes the Authority's sewer mains, extensions to the collection system and associated appurtenances.

There were no reliable historical cost records available, so reasonable written estimates of current replacement costs have been prepared by HRG. Pursuant to the requirements of Act 57, the calculation of this fee requires a downward adjustment to reflect funds or facilities contributed by other parties, federal and state grants, and capital contributions. Facilities contributed by developers have been excluded in order to arrive at the net historical cost. There was no outstanding debt that financed collection system facilities to be deducted from the cost of facilities. This methodology is used for the costs associated with all collection facilities. The cost of the Authority's Collection System is not ascertainable except where noted. Accordingly, as provided for in the Municipality Authorities Act, we have calculated the Collection Part of the Tapping Fee using the replacement cost method as described below:

The inventory of Collection System Facilities is summarized in Exhibit 2. It reflects facilities currently in use and excludes facilities contributed to the Authority by others. An inventory of sewer main by size is provided in Appendix 1; manholes by location in Appendix 2.

The calculation of the Collection Facilities Part of the Tapping Fee is illustrated below.

$$\frac{\text{Trended Cost of Collection Facilities - Outstanding Debt}}{\text{System Design Capacity (gpd)}} = \frac{\text{Cost per Unit of Design Capacity}}{\text{Design Capacity}}$$
$$\frac{\$17,932,668 - \$0}{1,233,030} = \$14.54 \text{ per gpd}$$

Act 57 establishes the maximum capacity for a residential connection. It is based on 90 gallons per day per capita applied to the average number of persons per household as determined by the most recent United States census. This calculation uses a capacity per residential dwelling unit (RU) of 185 gpd based on the 90 gallons per person per day multiplied by the 2010 Census statistic of 2.05 persons per household in the Borough of Conshohocken, Montgomery County, PA.

The maximum Collection Part of the Tapping Fee per Residential Unit is calculated as follows:

$$\begin{array}{rcccl} \text{Number of Units of} & & & & \text{Capacity Part of} \\ \text{Design Capacity} & \times & \text{Cost per Unit of Design} & = & \text{Tapping Fee} \\ (\text{gpd per RU}) & & \text{Capacity} & & \\ \\ 185 & \times & \$14.54 & = & \$2,691.00 \text{ per RU} \end{array}$$

Quantities were obtained from a detailed inventory of all collection system facilities including pipe lengths and sizes obtained from the Authority's Geographic Information System (GIS). Installed depths were not available for all pipeline segments but were estimated at 6.5 feet based on the average depth for manholes.

Unit prices were obtained from a variety of sources which we believe to be representative of costs likely to be obtained by the Borough of Conshohocken Authority through competitive bidding as of the date of this report. In computing the various unit prices, we have relied on actual bid prices obtained by the Authority for recently completed projects, unit prices contained in public bids for other municipal entities using the Penn Bid Program during the period 1/1/2011 through 12/31/2015, as well as our own project experience.

In particular, unit prices have been computed from actual costs paid by the Authority for the installation of sanitary sewers in the Borough of Conshohocken. These costs include the cost of the sewer main, excavation, pipe bedding and backfill, temporary and final trench paving. The cost of lateral sewers was not included. The costs also include various construction overhead costs such as mobilization, bonding, and cleanup. The unit price includes an estimate of likely engineering costs computed at 18% of the construction cost, 2% for Authority administrative costs including legal fees and financing costs.

Based on the inventory of facilities included in Appendix 1 and Appendix 2, we have concluded that the replacement cost for the collection system is \$17,932,668.

SCHEDULE E:
CALCULATION OF TAPPING FEE
SPECIAL PURPOSE PART

The Special Purpose Part is generally applicable only to a particular group of customers. This fee is designed to recover the cost of facilities that serve a special purpose or specific area, such as pump stations. Fees would be separately calculated for each applicable group and applied to new users as appropriate.

All costs associated with the installation of these facilities are to be paid by the users of these facilities through the imposition and collection of a special purpose part. If the Authority incurs costs associated with the installation of these facilities, the fee will be calculated using an actual cost method as illustrated below. The illustration provides examples of costs the Authority might incur that are chargeable to the users under the definition of this fee, but is not all-inclusive.

| | |
|----|---|
| \$ | Direct Materials Cost |
| + | Direct Subcontract Costs |
| + | Equipment Rental Charges |
| + | Direct Labor Costs |
| + | Fringe Benefits, Employment Taxes, and other Employment Costs |
| + | Cost of Inspection |
| + | Application and Administrative Costs |
| + | Planning Module Review |
| + | Miscellaneous Engineering |
| + | Miscellaneous Legal Expenses |
| = | Total Cost of Special Purpose Facilities |

$$\frac{\text{Cost of Special Purpose Facilities}}{\text{Design Capacity of Special Purpose Facilities}} = \text{Special Purpose Part of Tapping Fee}$$

The Authority does not currently assess a Special Purpose Part.

SCHEDULE F:
CALCULATION OF TAPPING FEE
REIMBURSEMENT PART

Where appropriate, a reimbursement component may be included in the tapping fee charged to new connections for facilities constructed by others for which a reimbursement is due to the person constructing the facilities. This reimbursement must be defined in a written agreement between the Authority and the entity constructing the facilities. Typically, such agreements reimburse the cost of the capacity available for use by future connections.

The Authority does not currently assess a Reimbursement Part.

SCHEDULE G: **CALCULATION OF RESERVATION OF CAPACITY FEE**

Act 57 specifically authorizes a municipality to collect a fee for reserving capacity under certain circumstances: "... no reservation of capacity fee or other similar charge shall be imposed or collected from a property owner who has applied for service unless the charge is based on debt and fixed operating expenses. A Reservation of Capacity Fee or other similar charge may not exceed 60% of the average bill for a residential customer in the same service area for the same billing period. Any Authority opting to collect a reservation of capacity fee or other similar charge may not collect the Tapping Fee until the time as the building permit fee is due."

Fixed operating expenses and debt service, as obtained from the Authority's 2016 Adopted Budget, were used for this calculation. Annual fixed operating expenses plus annual debt service is calculated as a percentage of total operating expenses plus annual debt service. If this percentage is less than 60%, then the lower percentage must be used to calculate the maximum reservation of capacity fee. If it is greater than 60%, then 60% is the maximum that may be charged. In this case, 60% was used for the calculation.

The Authority may impose a Reservation of Capacity Fee in accordance with the limitations and restrictions contained in the Act as follows:

| | |
|---|-------------------------------|
| Annual Fixed Operating Expenses | |
| Fixed Plant Expenses | \$ 692,720.00 |
| Fixed Collection System Expenses | 223,785.00 |
| Fixed Administrative Expenses | 482,978.00 |
| Annual Debt Service | <u>150,456.00</u> |
| | <u><u>\$ 1,549,939.00</u></u> |
| | |
| Total Operating Expenses | \$ 1,683,983.00 |
| Annual Debt Service | <u>150,456.00</u> |
| | <u><u>\$ 1,834,439.00</u></u> |
| | |
| % (Fixed Operating + Debt) / (Total Operating + Debt) | 84.49% |
| | |
| Maximum Reservation of Capacity Fee as Percentage of Average Residential Sewer Bill | 60% |
| | |
| Average Yearly Residential Sewer Bill | \$ 387.30 |
| Maximum Reservation of Capacity Fee | \$ 232.00 |
| | |
| Average Gallons Used per RESIDENTIAL UNIT per Day | 185 |
| | |
| Maximum Reservation of Capacity for Non-Residential Users per Gallons per Daily | \$ 1.26 |

CERTIFICATE OF CONSULTING ENGINEER
(As required under the Pennsylvania Municipal Authorities Act)

I, the undersigned Consulting Engineer to the Borough of Conshohocken Authority (the "Authority") hereby certify that the replacement costs used in the computation of capital charges for the Authority are based upon reasonable written estimates of the current replacement costs and have been used only to the extent that historical cost is not ascertainable. I deem the assumptions upon which such computations have been made to be reasonable for such purposes. I further certify:

- (i) Herbert, Rowland & Grubic, Inc. is the consulting engineer to the Authority.
- (ii) I am a registered professional engineer, duly qualified and licensed under the laws of the Commonwealth of Pennsylvania.
- (iii) I am familiar with Section 5607(d) of the Pennsylvania Municipal Authorities Act, 53, P.A.C.S. Chapter 56, pertaining to the enumerated fees.

Herbert, Rowland & Grubic, Inc.

Adrienne M Vicari

By: Adrienne M. Vicari, PE
PE # 073697

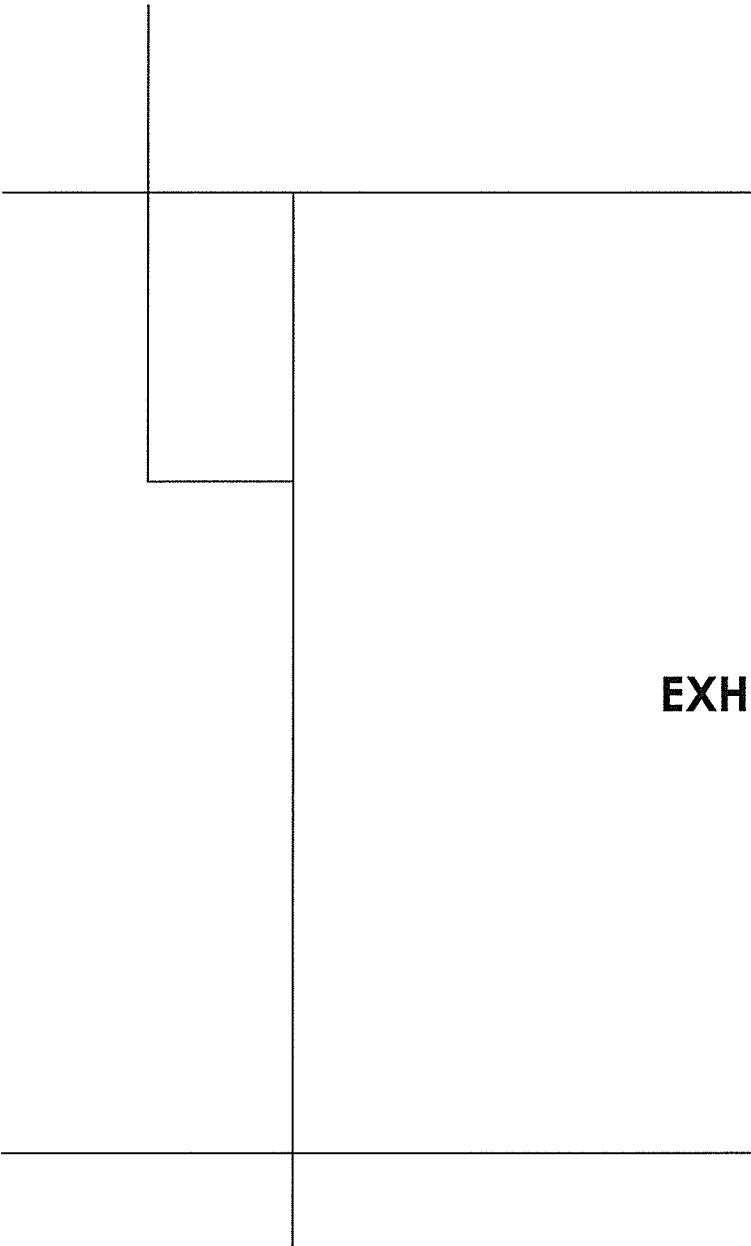


EXHIBIT 1

Borough Of Conshohocken Authority

Exhibit 1

Summary of Historical / Replacement Costs - Capacity Part

| Ref # | Date Acquired | Property Description | Historical Cost | | ENR Cost Index Original | ENR Cost Index Current | Trended |
|---------------------------------|---------------|-------------------------|-------------------------------|------|-------------------------|------------------------|-----------------|
| | | | | | | | Historical Cost |
| Buildings | | | | | | | |
| 131 | 08/06/92 | Soil Testing | \$ 2,000.00 | 5032 | 9664 | \$ 3,841.20 | |
| 132 | 06/01/92 | Excavation & Resealing | 9,950.00 | 4973 | 9664 | 19,336.67 | |
| 133 | 10/16/01 | Electrical | 15,400.00 | 6397 | 9664 | 23,265.99 | |
| 134 | 08/11/06 | Security System | 19,386.00 | 7722 | 9664 | 24,262.50 | |
| 135 | 10/16/07 | Control System | 2,916.00 | 8045 | 9664 | 3,502.99 | |
| 136 | 12/18/07 | Heater Units | 3,900.00 | 8089 | 9664 | 4,659.58 | |
| 150 | 06/24/10 | Heater Units | 10,300.00 | 8805 | 9664 | 11,305.38 | |
| 151 | 10/20/10 | Heater Units | 12,250.00 | 8921 | 9664 | 13,271.56 | |
| | 12/31/12 | Chlorine Roof | 40,339.00 | 9412 | 9664 | 41,420.98 | |
| | 12/31/12 | Hot Water Heater | 542.92 | 9412 | 9664 | 557.48 | |
| | | | Subtotal \$ 116,983.92 | | | | \$ 145,424.33 |
| Furniture & Fixtures | | | | | | | |
| 104 | 09/01/90 | Various Furniture | \$ 43,500.00 | 4774 | 9664 | \$ 88,061.08 | |
| 105 | 04/04/92 | Vertical Blind | 1,350.00 | 4946 | 9664 | 2,637.89 | |
| 106 | 01/29/92 | Computer Desk | 373.00 | 4888 | 9664 | 737.49 | |
| 108 | 06/30/98 | Office Furniture | 1,228.00 | 5895 | 9664 | 2,013.22 | |
| 109 | 01/07/03 | Garage Heater | 4,989.00 | 6581 | 9664 | 7,326.54 | |
| 110 | 11/06/07 | Office Desks | 5,219.00 | 8092 | 9664 | 6,233.16 | |
| 111 | 12/01/07 | Defibrillator | 3,260.00 | 8089 | 9664 | 3,894.93 | |
| | | | Subtotal \$ 59,919.00 | | | | \$ 110,904.31 |
| Garage | | | | | | | |
| 140 | 10/02/02 | Garage for Trucks | \$ 39,083.00 | 6579 | 9664 | \$ 57,412.33 | |
| 152 | 11/08/10 | Dumpster | 1,173.89 | 8951 | 9664 | 1,267.51 | |
| | | | Subtotal \$ 40,256.89 | | | | \$ 58,679.84 |
| Lab Equipment | | | | | | | |
| 83 | 06/05/92 | Meter | 3,860.00 | 4973 | 9664 | 7,501.46 | |
| 84 | 03/17/97 | Samplers | 5,250.00 | 5759 | 9664 | 8,810.27 | |
| 85 | 01/13/99 | Flowmeter | 3,340.00 | 6000 | 9664 | 5,379.88 | |
| | | | Subtotal \$ 12,450.00 | | | | \$ 21,691.61 |
| Land | | | | | | | |
| 141 | 09/01/90 | Land | \$ 81,177.00 | 4774 | 9664 | \$ 164,334.11 | |
| | | | Subtotal \$ 81,177.00 | | | | \$ 164,334.11 |
| Land Improvement | | | | | | | |
| 137 | 09/15/00 | Land Improvements | \$ 44,575.00 | 6224 | 9664 | \$ 69,214.79 | |
| 138 | 07/13/01 | Curb Cut | 2,110.00 | 6404 | 9664 | 3,184.26 | |
| | | | Subtotal \$ 46,685.00 | | | | \$ 72,399.05 |
| Maintenance Equipment | | | | | | | |
| 86 | 09/01/90 | Maintenance Equipment | 51,200.00 | 4774 | 9664 | 103,648.90 | |
| 87 | 04/11/91 | Universal Blower | 4,348.00 | 4766 | 9664 | 8,816.83 | |
| 93 | 10/12/98 | Lawn Mower | 1,990.00 | 5986 | 9664 | 3,212.87 | |
| 94 | 04/30/03 | Skid Loader Boat | 22,966.00 | 6635 | 9664 | 33,451.96 | |
| 95 | 08/06/03 | Jetter Compressor | 3,065.00 | 6733 | 9664 | 4,399.46 | |
| 96 | 03/25/03 | Riser Rings | 2,260.00 | 6627 | 9664 | 3,295.86 | |
| 142 | 01/07/08 | Power Vision Pan Camera | 73,983.00 | 8090 | 9664 | 88,381.34 | |
| 154 | 02/16/11 | SnowBlower | 1,439.99 | 8998 | 9664 | 1,546.64 | |
| | 12/31/12 | ToolBox | 749.99 | 9412 | 9664 | 770.11 | |
| | | | Subtotal \$ 162,001.98 | | | | \$ 247,523.97 |
| Office Equipment | | | | | | | |
| 124 | 07/15/02 | Phone System | 3,390.00 | 6605 | 9664 | 4,960.26 | |
| 125 | 04/19/05 | Harris Software | 10,070.00 | 7355 | 9664 | 13,231.95 | |
| 126 | 05/13/05 | Server | 3,850.00 | 7398 | 9664 | 5,029.49 | |
| 127 | 05/13/05 | HP Laserjet Printer | 1,992.00 | 7398 | 9664 | 2,602.27 | |
| 128 | 06/20/06 | Computer(Jim & Rob) | 2,000.00 | 7700 | 9664 | 2,510.25 | |
| 148 | 02/07/09 | Server, APC Back up | 3,130.00 | 8533 | 9664 | 3,545.03 | |
| 149 | 11/19/09 | 2 Office Computers | 1,500.00 | 8592 | 9664 | 1,687.23 | |
| 153 | 11/09/10 | 1 Office Computer | 1,391.50 | 8951 | 9664 | 1,502.47 | |
| 155 | 12/06/11 | 1 Office Computer | 924.99 | 9172 | 9664 | 974.65 | |
| | | | Subtotal \$ 28,248.49 | | | | \$ 36,043.60 |

Borough Of Conshohocken Authority

Exhibit 1

Summary of Historical / Replacement Costs - Capacity Part

| Ref # | Date Acquired | Property Description | Historical Cost | ENR Cost Index | | Trended Historical Cost |
|--------------------|---------------|-----------------------------|-------------------------|----------------|---------|-------------------------|
| | | | | Original | Current | |
| Sewer Plant | | | | | | |
| 1 | 09/01/90 | Sewer Plant | \$ 18,099,242.00 | | | |
| | 09/01/90 | less EPA Grant | (\$12,669,360.00) | | | |
| | 09/01/90 | less Capital Contributions | <u>(\$1,634,400.00)</u> | | | |
| | | Net Eligible Cost | \$ 3,795,482.00 | 4774 | 9664 | \$ 7,683,187.69 |
| 2 | 04/01/91 | Requisitions for year | 351,404.00 | 4766 | 9664 | 712,573.73 |
| 3 | 07/01/92 | BCM Requisitions | 67,873.00 | 4992 | 9664 | 131,401.29 |
| 4 | 07/01/92 | PFK Mark III Inc | 16,500.00 | 4992 | 9664 | 31,943.80 |
| 5 | 09/08/92 | Alarm System | 1,935.00 | 5042 | 9664 | 3,708.99 |
| 7 | 06/10/93 | Improvements | 36,490.00 | 5260 | 9664 | 67,044.83 |
| 8 | 05/10/93 | Improvements | 3,703.00 | 5262 | 9664 | 6,801.11 |
| 9 | 10/01/96 | Surge Supression Unit | 17,999.00 | 5719 | 9664 | 30,416.23 |
| 10 | 09/22/98 | Roof Repair | 14,600.00 | 5963 | 9664 | 23,662.75 |
| 11 | 09/01/99 | Power Factor Capacitor | 11,649.00 | 6128 | 9664 | 18,371.60 |
| 12 | 09/09/99 | Sludge Pump Control | 3,300.00 | 6128 | 9664 | 5,204.42 |
| 13 | 06/20/00 | Sewage Pump | 7,166.00 | 6238 | 9664 | 11,102.19 |
| 14 | 03/21/00 | Upgrade to Plant Equip., | 17,241.00 | 6202 | 9664 | 26,866.30 |
| 15 | 03/09/00 | Auto Detailer | 3,020.00 | 6202 | 9664 | 4,706.00 |
| 17 | 03/08/00 | Parts | 2,765.00 | 6202 | 9664 | 4,308.64 |
| 18 | 03/08/00 | Parts | 1,117.00 | 6202 | 9664 | 1,740.60 |
| 21 | 09/01/00 | New Parts | 1,107.00 | 6224 | 9664 | 1,718.92 |
| 22 | 10/26/00 | Unit Heater | 1,118.00 | 6259 | 9664 | 1,726.29 |
| 23 | 12/11/00 | New Sewage Pump | 604.00 | 6283 | 9664 | 929.07 |
| 24 | 12/11/00 | Back Pressure Valve | 586.00 | 6283 | 9664 | 901.38 |
| 25 | 04/06/00 | Tripod | 2,268.00 | 6201 | 9664 | 3,534.75 |
| 26 | 01/26/01 | Raw Sewage Pump | 5,389.00 | 6281 | 9664 | 8,291.95 |
| 27 | 01/26/01 | Raw Sewage Pump | 6,357.00 | 6281 | 9664 | 9,781.39 |
| 28 | 07/17/03 | Installation of Pipe & Fitt | 4,389.00 | 6695 | 9664 | 6,335.66 |
| 30 | 01/29/01 | Replacement Membrane | 2,574.00 | 6281 | 9664 | 3,960.56 |
| 34 | 09/06/01 | Riser Extension | 2,514.00 | 6391 | 9664 | 3,801.66 |
| 35 | 04/09/02 | Sludge Conveyor | 51,975.00 | 6480 | 9664 | 77,516.94 |
| 36 | 04/19/02 | P/R for Sludge Install | 1,917.00 | 6480 | 9664 | 2,859.07 |
| 37 | 04/25/02 | P/R for Sludge Install | 2,858.00 | 6480 | 9664 | 4,262.50 |
| 38 | 05/01/02 | Blower System | 6,425.00 | 6512 | 9664 | 9,535.33 |
| 39 add | 08/18/11 | Blower System | 7,876.00 | 9088 | 9664 | 8,375.35 |
| 40 | 05/12/03 | Raw Sewage Pump | 26,956.00 | 6642 | 9664 | 39,222.36 |
| 41 | 09/11/03 | Sewer Replace @11 th Ave | 8,500.00 | 6741 | 9664 | 12,186.30 |
| 42 | 09/30/03 | Sewer Replacement | 7,000.00 | 6741 | 9664 | 10,035.77 |
| 43 | 03/13/09 | Sewer Replacement @ W91 | 3,400.00 | 8534 | 9664 | 3,850.38 |
| 44 | 01/01/04 | Chemical Feed Pump | 2,681.00 | 6825 | 9664 | 3,796.39 |
| 45 | 04/30/04 | Chlorination Injectors | 2,350.00 | 7017 | 9664 | 3,236.63 |
| 46 | 06/21/04 | Pump | 7,414.00 | 7109 | 9664 | 10,079.09 |
| 49 | 09/20/04 | Portable Sampler | 2,795.00 | 7298 | 9664 | 3,701.31 |
| 50 | 11/30/04 | Portable Sampler | 3,035.00 | 7312 | 9664 | 4,011.43 |
| 51 | 12/15/04 | RBC Upgrade | 44,365.00 | 7308 | 9664 | 58,670.41 |
| 52 | 08/17/04 | Drain Valve Replacement | 36,000.00 | 7168 | 9664 | 48,537.97 |
| 53 | 03/18/04 | Blower | 6,427.00 | 6957 | 9664 | 8,928.19 |
| 54 | 01/06/04 | Blower | 6,427.00 | 6825 | 9664 | 9,100.87 |
| 55 | 10/21/04 | RBCBearing | 5,120.00 | 7314 | 9664 | 6,765.38 |
| 56 | 03/17/04 | Repair of Unit 3 on RBC | 5,160.00 | 6957 | 9664 | 7,168.11 |
| 58 | 03/07/05 | Torque Gauge | 2,426.00 | 7309 | 9664 | 3,207.82 |
| 59 | 04/12/05 | Bearings | 2,984.00 | 7355 | 9664 | 3,920.97 |
| 60 | 07/12/05 | Pillow Block Bearings | 19,390.00 | 7422 | 9664 | 25,248.41 |
| 61 | 11/09/05 | Wet Well Control Panel | 14,373.00 | 7630 | 9664 | 18,205.39 |
| 62 | 02/07/06 | Improvement to Pump | 3,663.00 | 7689 | 9664 | 4,604.09 |
| 63 | 05/17/06 | Pillow Block Bearings | 3,131.00 | 7691 | 9664 | 3,934.39 |
| 64 | 07/17/06 | Shaft | 2,218.00 | 7721 | 9664 | 2,776.29 |
| 65 | 08/11/06 | Secondary Pump | 2,836.00 | 7722 | 9664 | 3,549.39 |
| 66 | 09/11/06 | Primary Sludge Pump | 12,630.00 | 7763 | 9664 | 15,723.56 |

Borough Of Conshohocken Authority

Exhibit 1

Summary of Historical / Replacement Costs - Capacity Part

| Ref # | Date Acquired | Property Description | Historical Cost | ENR Cost Index | | Trended Historical Cost |
|-----------------------------------|---------------|--|-------------------------|----------------|---------|-------------------------|
| | | | | Original | Current | |
| 67 | 10/10/06 | Secondary Sludge Pump | 4,250.00 | 7883 | 9664 | 5,210.44 |
| 68 | 10/10/06 | Valves for Secondary Pump | 1,140.00 | 7883 | 9664 | 1,397.62 |
| 69 | 11/20/06 | Conveyancer Chain | 1,510.00 | 7911 | 9664 | 1,844.69 |
| 71 | 12/19/06 | Welder | 2,351.00 | 7888 | 9664 | 2,880.47 |
| 72 | 01/16/07 | Balder | 2,856.00 | 7880 | 9664 | 3,502.75 |
| 73 | 02/15/07 | Sampler Test | 3,375.00 | 7880 | 9664 | 4,139.28 |
| 74 | 05/03/07 | Inline Grinders | 28,585.00 | 7942 | 9664 | 34,784.48 |
| 75 | 09/18/07 | Flowmeters | 6,128.00 | 8050 | 9664 | 7,356.99 |
| 76 | 11/20/07 | VFD Control | 3,900.00 | 8092 | 9664 | 4,657.85 |
| 77 | 11/20/07 | Digester Roof | 43,450.00 | 8092 | 9664 | 51,893.27 |
| 78 | 12/18/07 | Pump Control | 2,529.00 | 8089 | 9664 | 3,021.56 |
| 79 | 12/18/07 | Valve | 4,496.00 | 8089 | 9664 | 5,371.66 |
| 80 | 12/18/07 | Hole Cutter | 2,370.00 | 8089 | 9664 | 2,831.59 |
| 81 | 12/18/07 | Map Drawer | 2,416.00 | 8089 | 9664 | 2,886.55 |
| 143 | 07/01/08 | Belt Fitter Press | 1,304,439.43 | 8293 | 9664 | 1,520,160.33 |
| 143 add | 02/14/11 | Belt Fitter Press | 5,078.61 | 8998 | 9664 | 5,454.75 |
| 144 | 05/30/08 | Browning Bio Disc Reducer | 33,775.00 | 8141 | 9664 | 40,095.42 |
| 145 | 03/18/08 | Eastern Electronics Prot | 2,200.00 | 8109 | 9664 | 2,622.00 |
| 146 | 07/01/08 | Environmental Systems | 19,138.80 | 8293 | 9664 | 22,303.87 |
| 147 | 01/08/08 | ITT Flyght Corp Pumps | 18,916.00 | 8090 | 9664 | 22,597.37 |
| 156 | 04/20/09 | New gas fired unit heater | 3,500.00 | 8528 | 9664 | 3,966.41 |
| 158 | 01/08/09 | Gas fired unit heaters w/thermostats | 3,500.00 | 8549 | 9664 | 3,956.67 |
| 160 | 03/12/09 | Two new gas fired unit heaters and the | 3,500.00 | 8534 | 9664 | 3,963.62 |
| 161 | 03/12/09 | Blower Silencer PO#020930 | 2,830.00 | 8534 | 9664 | 3,204.87 |
| 162 | 03/13/09 | Line Reactors | 2,959.00 | 8534 | 9664 | 3,350.96 |
| 163 | 05/21/09 | Flowmeters -Chart Recorders | 2,324.82 | 8574 | 9664 | 2,620.49 |
| 164 | 05/21/09 | Influent & Effluent Chart Recorders, E | 2,011.01 | 8574 | 9664 | 2,266.77 |
| 165 | 10/15/09 | Install meter 6th and Colwell | 2,092.50 | 8596 | 9664 | 2,352.59 |
| 165 | 12/11/09 | Electric Hoist | 1,638.94 | 8641 | 9664 | 1,833.06 |
| 156 | 04/22/10 | Sludge Transfer Modification | 15,900.00 | 8677 | 9664 | 17,709.43 |
| 157 | 12/31/10 | Bar Screen Project | 188,867.25 | 8952 | 9664 | 203,889.25 |
| 158 | 12/31/11 | Grit Removal System | 376,979.50 | 9172 | 9664 | 397,219.75 |
| | 12/31/12 | Chlorine Scale System | 8,482.30 | 9412 | 9664 | 8,709.81 |
| | 12/31/12 | VFD's for New Pump | 2,725.50 | 9412 | 9664 | 2,798.60 |
| | 12/31/12 | Primary Settling Tank Rehab | 1,415,891.95 | 9412 | 9664 | 1,453,869.20 |
| | 12/31/12 | RBC Replacement | 2,183,880.37 | 9412 | 9664 | 2,242,456.72 |
| | 12/31/12 | RBC Tank #3 -6" Plug Valve | 1,172.00 | 9412 | 9664 | 1,203.44 |
| Subtotal | | | \$ 10,392,640.98 | | | \$ 15,317,416.47 |
| Trucks 101 | | | | | | |
| 101 | 04/30/93 | Jet Truck | \$ 83,496.00 | 5167 | 9664 | \$ 156,172.42 |
| 103 | 06/11/04 | Repairs to Jet Truck | 21,097.00 | 7109 | 9664 | 28,680.67 |
| 159 | 07/18/11 | 2011 GMC Sierra 3500 | 35,019.00 | 9080 | 9664 | 37,272.44 |
| | 12/31/12 | Jet Truck -Hose Nozzle | 1,504.99 | 9412 | 9664 | 1,545.36 |
| Subtotal | | | \$ 141,116.99 | | | \$ 223,670.89 |
| Total Treatment Facilities | | | \$ 11,081,480.25 | | | \$ 16,398,088.18 |

Interceptors (Repaacement Cost Method)

| | Size (inches) | Linear Feet | Current Unit Price | Replacement |
|--|---------------|-------------|--------------------|-------------------------|
| 30" Total | | 3,637 | \$ 374.43 | 1,361,801.11 |
| 22" Total | | 675 | \$ 340.39 | 229,763.73 |
| 20" Total | | 1,835 | \$ 340.39 | 624,616.95 |
| Manholes | | 15 | \$ 3,685.34 | 55,280.10 |
| Subtotal | | | | \$ 2,271,461.88 |
| Total Cost of Capacity Facilities | | | | \$ 18,669,550.07 |

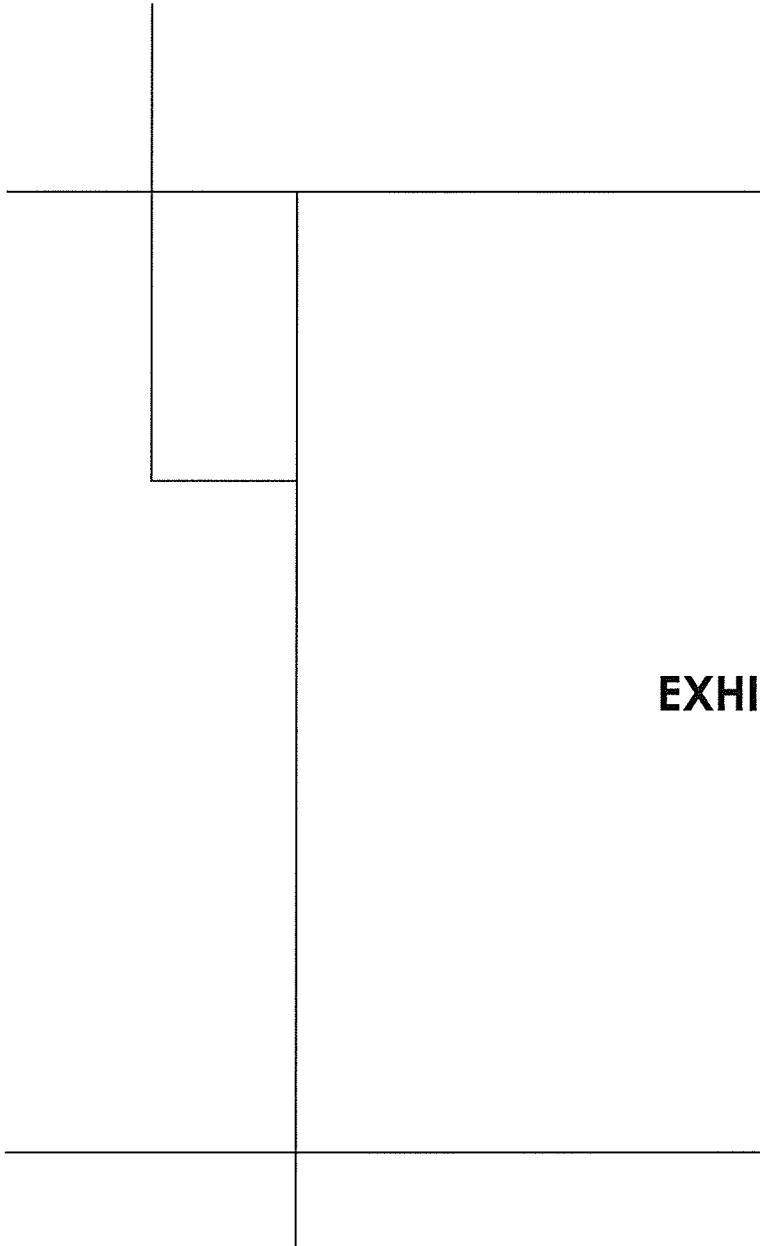


EXHIBIT 2

Borough Of Conshohocken Authority

Exhibit 2

Summary of Replacement Costs - Collection Part

Sewer Mains Complete and In Place Including Pavement Restoration

| Size (inches) | Linear Feet | Current Unit Price | Replacement Value |
|---------------|----------------|--------------------|----------------------|
| 18" Total | 29 | \$ 202.25 | 5,865 |
| 15" Total | 241 | \$ 202.25 | 48,741 |
| 12" Total | 1,214 | \$ 169.65 | 205,959 |
| 10" Total | 1,509 | \$ 155.84 | 235,162 |
| 8" Total | 101,040 | \$ 154.13 | 15,573,649 |
| 6" Total | 612 | \$ 154.13 | 94,330 |
| | <u>104,645</u> | | <u>\$ 16,163,705</u> |

Manholes Installed Cost with Frames and Covers

| | |
|--|----------------------|
| Total Number of Manholes | 480 |
| Average Depth (Feet) | 6.5 |
| Unit Price Installed | \$ 3,685 |
| Replacement Cost of Manholes | <u>\$ 1,768,963</u> |
| Replacement Cost -Sewer Mains and Manholes | <u>\$ 17,932,668</u> |

Collection Part Facilities

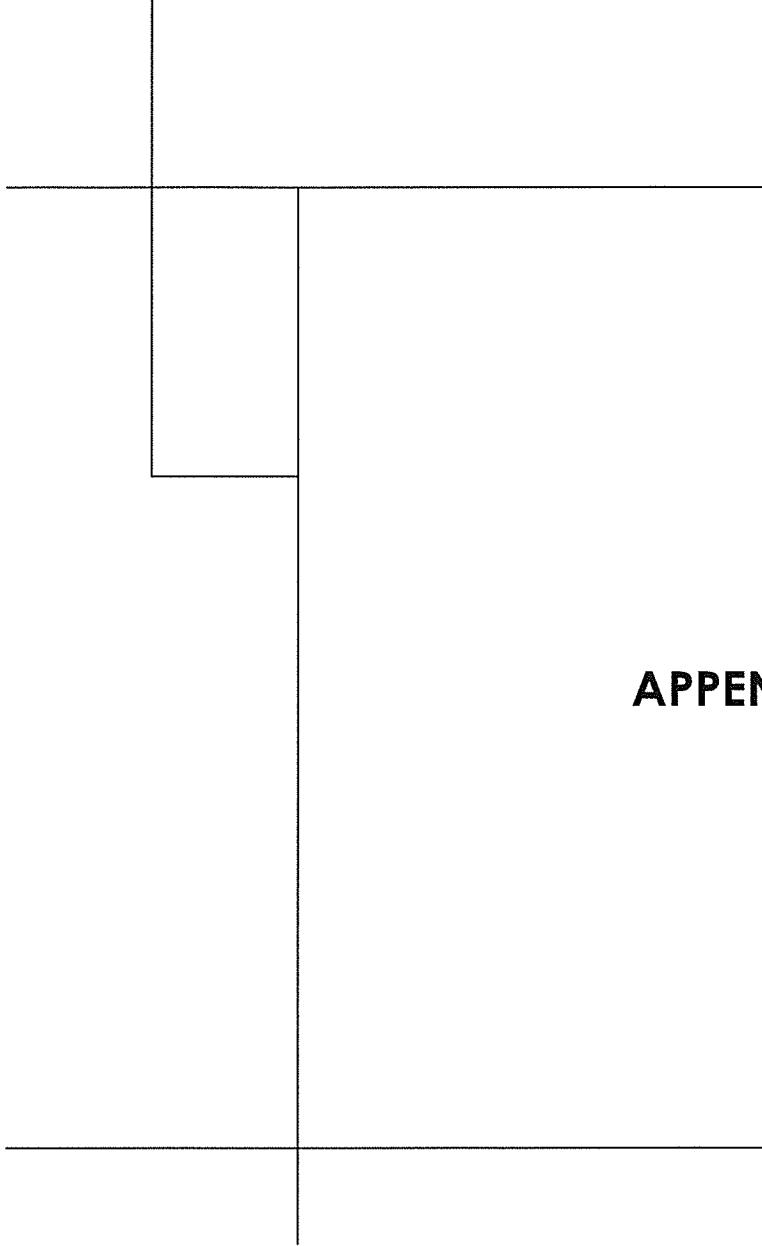
| | |
|----------------------------------|-------------------|
| Sewer Mains | 16,163,705 |
| Manholes | 1,768,963 |
| Total Collection Part Facilities | <u>17,932,668</u> |

Excluded Facilities (Contributed)

| | |
|-------------|-------|
| Sewer Mains | |
| 12" Total | 1,245 |
| 8" Total | 5,898 |
| Manholes | 60 |

Inventory of Facilities Obtained from GIS Data on 02/26/2016

Replacement Cost as of April, 2016



APPENDIX 1

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|------------------|-----|------|---------------------------------|----------|---------|--------------|
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 242_241 | Public | 168 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 243_242 | Public | 505 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 244_243 | Public | 463 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 246_244A | Public | 175 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 246_9 | Public | 245 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 247_09 | Public | 179 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 248_247 | Public | 268 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 249_248 | Public | 48 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 250_249 | Public | 305 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251_250 | Public | 274 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 252_251 | Public | 241 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 253_252 | Public | 318 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 44A_44 | Public | 254 |
| 0 | 30 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 92_91 | Public | 194 |
| 30" Total | | | | | | 3,637 |
| 0 | 22 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 268_267A | Public | 343 |
| 0 | 22 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 269_268A | Public | 54 |
| 0 | 22 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291_270 | Public | 278 |
| 22" Total | | | | | | 675 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 292_291A | Public | 300 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 293_292 | Public | 510 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 294_293 | Public | 156 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 295_294 | Public | 345 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 296_295 | Public | 249 |
| 0 | 20 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 297_296 | Public | 275 |
| 20" Total | | | | | | 1,835 |
| 0 | 18 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 03A_03B | Public | 29 |
| 18" Total | | | | | | 29 |
| 0 | 15 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 30_03 | Public | 241 |
| 15" Total | | | | | | 241 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 171_171A | Public | 199 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 446_454 | Public | 242 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 451_308A | Public | 105 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 64_28 | Public | 297 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 64_63 | Public | 357 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 84_63 | Public | 14 |
| 12" Total | | | | | | 1,214 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 04_05 | Public | 460 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 166_83 | Public | 180 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 179_166 | Public | 144 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 193_179 | Public | 186 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 202_193 | Public | 195 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 213_202 | Public | 184 |
| 0 | 10 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 84_83 | Public | 160 |
| 10" Total | | | | | | 1,509 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 02_01 | Public | 116 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 02_01 | Public | 139 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 03_02 | Public | 70 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 03A_102 | Public | 48 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 04_03 | Public | 30 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 04_03A | Public | 36 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 05_04 | Public | 226 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 06_05 | Public | 233 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 07_01 | Public | 208 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 07_05 | Public | 89 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 07_06 | Public | 260 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 08_07 | Public | 439 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 09_08 | Public | 180 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 09_08 | Public | 36 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 09_21 | Public | 19 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 10_09 | Public | 241 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 100_99 | Public | 217 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 102_90 | Public | 386 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 103_102 | Public | 268 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 104_103 | Public | 170 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 105_96 | Public | 408 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 107_101 | Public | 170 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 107_106 | Public | 44 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 108_107 | Public | 157 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 108_94 | Public | 204 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 109_108 | Public | 105 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 10B_10 | Public | 138 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 11_10 | Public | 367 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 110_102 | Public | 175 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 111_110 | Public | 97 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 112_110 | Public | 254 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 113_112 | Public | 244 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 114_88 | Public | 123 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 115_114 | Public | 273 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 116_115 | Public | 191 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 117_105 | Public | 348 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 12_11 | Public | 366 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 121A_120 | Public | 105 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 121A_121 | Public | 143 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 122_121 | Public | 197 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 122A_122 | Public | 120 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 123_117 | Public | 344 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 124_118 | Public | 312 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 125_119 | Public | 253 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 125_86 | Public | 206 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 125_86 | Public | 243 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 126_120 | Public | 198 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 126_125 | Public | 266 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 127_126 | Public | 280 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 128_127 | Public | 267 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 129_128 | Public | 232 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 13_12 | Public | 53 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 130_129 | Public | 345 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 131_130 | Public | 206 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 132_85 | Public | 56 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 133_132 | Public | 102 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 134_133 | Public | 252 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 135_134 | Public | 209 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 136_135 | Public | 249 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 137_136 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 138_137 | Public | 235 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 139_138 | Public | 290 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 14_13 | Public | 407 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 140_130 | Public | 315 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 141-135 | Public | 204 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 142_141 | Public | 305 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 143_142 | Public | 241 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 144_143 | Public | 302 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 145_144 | Public | 273 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 146_145 | Public | 142 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 147_132 | Public | 378 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 147A_147 | Public | 199 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 148_147A | Public | 272 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 149_141 | Public | 176 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 150-149 | Public | 95 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 151_149 | Public | 349 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 152-151 | Public | 136 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 153A_153 | Public | 123 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 154_153 | Public | 349 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 155_154 | Public | 342 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 156_84 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 156A_145 | Public | 353 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 157_156 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 158_157 | Public | 99 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 159_158 | Public | 248 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 160_159 | Public | 188 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 161-160 | Public | 363 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 162A_161 | Public | 204 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 162A_162 | Public | 248 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 163_162 | Public | 311 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 163_163A | Public | 9 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 163A_163 | Public | 23 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 164_163 | Public | 186 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 165_164 | Public | 109 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 167_166 | Public | 123 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 168_167 | Public | 297 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 169_168 | Public | 156 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 170_169 | Public | 271 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 171A_170 | Public | 183 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 171A_170 | Public | 112 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 172_171 | Public | 329 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 173_172 | Public | 90 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 175_174 | Public | 200 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 176_175 | Public | 280 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 177_163 | Public | 284 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 178_165 | Public | 303 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 18_07 | Public | 192 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 180_179 | Public | 248 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 181_180 | Public | 200 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 182_181 | Public | 181 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 183_182 | Public | 309 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 184_183 | Public | 235 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 185_184 | Public | 312 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 186_174 | Public | 195 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 186_185 | Public | 260 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 187_186 | Public | 138 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 188_187 | Public | 298 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 189_188 | Public | 113 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 191_189 | Public | 175 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 194_193 | Public | 99 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 195_194 | Public | 199 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 196_195 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 197_196 | Public | 450 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 198_184 | Public | 188 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 199_198 | Public | 162 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 20_19 | Public | 323 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 200_199 | Public | 336 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 201_186 | Public | 281 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 203_202 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 204_203 | Public | 297 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 205_204 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 206_205 | Public | 269 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 207_206 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 208_207 | Public | 279 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 209_208 | Public | 268 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 21_09 | Public | 122 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 21_20 | Public | 235 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 210_190 | Public | 320 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 210_209 | Public | 276 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 211_210 | Public | 186 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 212_192 | Public | 313 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 214_213 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 215_214 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 216_215 | Public | 300 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 217_216 | Public | 267 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 218_217 | Public | 42 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 219_218 | Public | 300 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 22_21 | Public | 192 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 220_219 | Public | 281 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 221_220 | Public | 119 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 222_221 | Public | 385 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 223_210 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 224_213 | Public | 196 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 225_224 | Public | 296 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 226_225 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 227_226 | Public | 297 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 228_227 | Public | 262 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 229_228 | Public | 289 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 23_10 | Public | 139 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 23_10 | Public | 22 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 230_229 | Public | 285 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 231_230 | Public | 266 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 232_231 | Public | 311 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 233_232 | Public | 165 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 233A_232 | Public | 313 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 234_212 | Public | 388 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 234_233 | Public | 114 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 235_234 | Public | 285 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 236_224 | Public | 198 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 236A_236 | Public | 548 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 236A_236 | Public | 46 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 237_236A | Public | 90 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 238_237 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 239_238 | Public | 233 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 239A_239 | Public | 19 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 245_08 | Public | 166 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 246_245 | Public | 149 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 25_12 | Public | 148 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 25_23 | Public | 221 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 25_23 | Public | 105 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251A_251 | Public | 17 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251A_XXX | Public | 62 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251B_251A | Public | 114 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251C_251B | Public | 174 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 251D_251C | Public | 180 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 253A_253 | Public | 23 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 254_253 | Public | 85 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 255_015 | Public | 163 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 255_015 | Public | 161 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 255_15 | Public | 66 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 255_254 | Public | 164 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 257A_254 | Public | 337 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 257A_257 | Public | 42 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 26_15 | Public | 114 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 262_257 | Public | 245 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 263_262 | Public | 131 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 264_263 | Public | 171 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 264A_264 | Public | 57 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 264B_264A | Public | 142 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 264B_264A | Public | 126 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 265_264 | Public | 186 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 265A_265 | Public | 83 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 265B_265A | Public | 60 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 266_265 | Public | 228 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 266-1_266 | Public | 60 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 266A_266 | Public | 14 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 266B_266 | Public | 52 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 267_266-1 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 267A-267 | Public | 22 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 267B_267A | Public | 21 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 267B_267A | Public | 21 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 268A-268 | Public | 146 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 270_269 | Public | 156 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 271_270A | Public | 64 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 271_270A | Public | 38 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 272_271 | Public | 112 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 273_272 | Public | 34 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 274_273 | Public | 274 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 275_274 | Public | 28 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 276_274 | Public | 139 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 277_275 | Public | 111 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 278_276 | Public | 192 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 279_277 | Public | 213 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 28_00 | Public | 106 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 280_274 | Public | 198 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 282_281 | Public | 153 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 283_282 | Public | 203 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 285_283 | Public | 139 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 286_285 | Public | 112 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 287_286 | Public | 132 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 288_287 | Public | 122 |

CONSHOHOCKEN BOROUGH AUTHORITY**APPENDIX 1****Inventory of Sewer Mains by Size**

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 289_298 | Public | 33 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 29_28 | Public | 253 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 29_28 | Public | 94 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 290_289 | Public | 184 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291_290 | Public | 227 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291A_291 | Public | 73 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 292_272 | Public | 250 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 298A_297 | Public | 77 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 298A_298 | Public | 118 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 30_03A | Public | 241 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 30_29 | Public | 118 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 31_30 | Public | 449 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 312_317 | Public | 267 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 313_312 | Public | 9 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 314_313 | Public | 272 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 315_314 | Public | 315 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 317_47 | Public | 446 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 318_314 | Public | 217 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 318_317 | Public | 118 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 319_79 | Public | 249 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 32_05 | Public | 242 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 320_319 | Public | 199 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 321_320 | Public | 82 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 322_321 | Public | 120 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 323_322 | Public | 199 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 323A_315 | Public | 179 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 323A_323 | Public | 305 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 324_323 | Public | 132 |
| 0 | 8 | CI | G:\ESRI_Rasters\Conshohocken\Vi | 325_286 | Public | 314 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 328_327 | Public | 170 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 329_319 | Public | 140 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 329_328 | Public | 179 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 33_32 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 330_323 | Public | 157 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 330_329 | Public | 112 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 331_326 | Public | 172 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333_332 | Public | 141 |
| 0 | 8 | CI | G:\ESRI_Rasters\Conshohocken\Vi | 333A_325 | Public | 329 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333A_333 | Public | 46 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 336_335 | Public | 253 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 336A_226 | Public | 206 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 337_330 | Public | 418 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 337_336 | Public | 293 |
| 0 | 8 | CI | G:\ESRI_Rasters\Conshohocken\Vi | 338A_333 | Public | 188 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 338A_338 | Public | 150 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 339_338A | Public | 28 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 374_03 | Public | 132 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 374_05 | Public | 92 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 375_297 | Public | 357 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 375_374 | Public | 94 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 376_297 | Public | 202 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 378A_378 | Public | 148 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 378A_378 | Public | 117 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 379_363 | Public | 327 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 379_378A | Public | 100 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 38_23 | Public | 86 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 380_379 | Public | 134 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 381_368 | Public | 211 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 382_371 | Public | 200 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 384_383 | Public | 300 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 385_384 | Public | 271 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 385A_373 | Public | 51 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 385A_385 | Public | 150 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 386_376 | Public | 194 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 388_379 | Public | 211 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 388_387 | Public | 307 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 389_388 | Public | 241 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 391_390 | Public | 170 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 392_382 | Public | 184 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 392_391 | Public | 296 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 393_392 | Public | 471 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 394A_393 | Public | 178 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 394A_394 | Public | 122 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 395_394 | Public | 301 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 396_395 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 396-386 | Public | 213 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 398_397 | Public | 256 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 399_398 | Public | 292 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 40_25 | Public | 100 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 401_392 | Public | 202 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 405_399 | Public | 179 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 406_405 | Public | 221 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 407_400 | Public | 168 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 407_400 | Public | 251 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 408A_407 | Public | 49 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 408C_401 | Public | 168 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 408C_408A | Public | 8 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 408C_408B | Public | 143 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\4: | 41_40 | Public | 105 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 410_409 | Public | 190 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 411_405 | Public | 199 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 411_410 | Public | 199 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 412_402 | Public | 360 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 412A_412 | Public | 147 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 414_413 | Public | 174 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 415_411 | Public | 195 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 415_414 | Public | 350 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 417_416 | Public | 340 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 418_415 | Public | 185 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 418_417 | Public | 217 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 419_418 | Public | 146 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 42_41 | Public | 100 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 421_412 | Public | 383 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 421_420 | Public | 151 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 423_422 | Public | 344 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 427_426 | Public | 240 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 428_424 | Public | 111 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 428_427 | Public | 298 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 429_423 | Public | 179 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 43_42 | Public | 47 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 430_429 | Public | 353 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 431_430 | Public | 398 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 432_431 | Public | 299 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 433_432 | Public | 296 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 434_421 | Public | 378 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 436_428 | Public | 182 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 436_435 | Public | 400 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 437_425 | Public | 313 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 439_438 | Public | 178 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 44_15 | Public | 138 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 44_43 | Public | 127 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 440_439 | Public | 136 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 441_440 | Public | 351 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 442_441 | Public | 303 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 445_436 | Public | 198 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 445_444 | Public | 249 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 446_437 | Public | 200 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 446_444 | Public | 274 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 447_446 | Public | 320 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 448_447 | Public | 384 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 449_442 | Public | 184 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 449_448 | Public | 283 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 45_44 | Public | 143 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 450_449 | Public | 355 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 451_450 | Public | 338 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 452_434 | Public | 331 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 453_445 | Public | 57 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 454_446 | Public | 58 |

CONSHOHOCKEN BOROUGH AUTHORITY**APPENDIX 1****Inventory of Sewer Mains by Size**

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 454_453 | Public | 197 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 456_455 | Public | 303 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 457_456 | Public | 249 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 458_457 | Public | 309 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 459_458 | Public | 195 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 46_45 | Public | 121 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 460_459 | Public | 152 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 460_459 | Public | 127 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 462_460 | Public | 323 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 463_462 | Public | 234 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 464_463 | Public | 250 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 465_449 | Public | 373 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 465_464 | Public | 181 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 465A_463A | Public | 523 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 465A_465 | Public | 48 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 467_466 | Public | 378 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 47_17 | Public | 264 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 48_Pipe | Public | 141 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 481_480 | Public | 103 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 482_481 | Public | 107 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 482_XXX | Public | 235 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 483_482 | Public | 38 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 484_483 | Public | 182 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 484_484 | Public | 105 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 49_32 | Public | 147 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 50_49 | Public | 203 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 51_50 | Public | 260 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 53_52 | Public | 307 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 54_53 | Public | 372 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 55_38 | Public | 148 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 55_54 | Public | 131 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 56_38 | Public | 352 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 56_42 | Public | 336 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 56_55 | Public | 354 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 57_56 | Public | 305 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 58_57 | Public | 123 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 59_43 | Public | 33 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 59_58 | Public | 169 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 604_310 | Public | 292 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 604_603 | Public | 65 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 65_64 | Public | 263 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 66_30 | Public | 296 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 66_65 | Public | 200 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 67_66 | Public | 300 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 68_67 | Public | 133 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 70_69 | Public | 441 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|-----------------|-----|------|---------------------------------|----------|---------|----------------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 72_55 | Public | 130 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 72_71 | Public | 39 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 73_71 | Public | 435 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 76_74 | Public | 245 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 76_75 | Public | 37 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 77_44 | Public | 250 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 77_76 | Public | 60 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 78_77 | Public | 254 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 79_47 | Public | 231 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 80_79 | Public | 46 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 81_80 | Public | 316 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 82_81 | Public | 229 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 85_66 | Public | 24 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 86_66 | Public | 206 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 88_87 | Public | 286 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 89_88 | Public | 215 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 90_89 | Public | 249 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 91_75 | Public | 251 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 93_91 | Public | 306 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 94_70 | Public | 26 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 95_94 | Public | 198 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 96_95 | Public | 364 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 97_96 | Public | 186 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 99_98 | Public | 251 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | DE_119 | Public | 43 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | DH_5 | Public | 136 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | MAP | Public | 47 |
| 8" Total | | | | | | 101,040 |
| 0 | 6 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 232_233 | Public | 87 |
| 0 | 6 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 451_433 | Public | 382 |
| 0 | 6 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 604_451 | Public | 143 |
| 6" Total | | | | | | 612 |

Contributed Facilities

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|------------------|-----|------|---------------------------------|-----------|---------|--------------|
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 306_305 | Private | 299 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 307_306 | Private | 284 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 307_307 | Private | 22 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 308_307 | Private | 192 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 308A_308 | Private | 83 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 309_308 | Private | 190 |
| 0 | 12 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 310_308 | Private | 175 |
| 12" Total | | | | | | 1,245 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 137A_137 | Private | 128 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 240_239 | Private | 279 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 244B_244A | Private | 87 |

CONSHOHOCKEN BOROUGH AUTHORITY**APPENDIX 1****Inventory of Sewer Mains by Size**

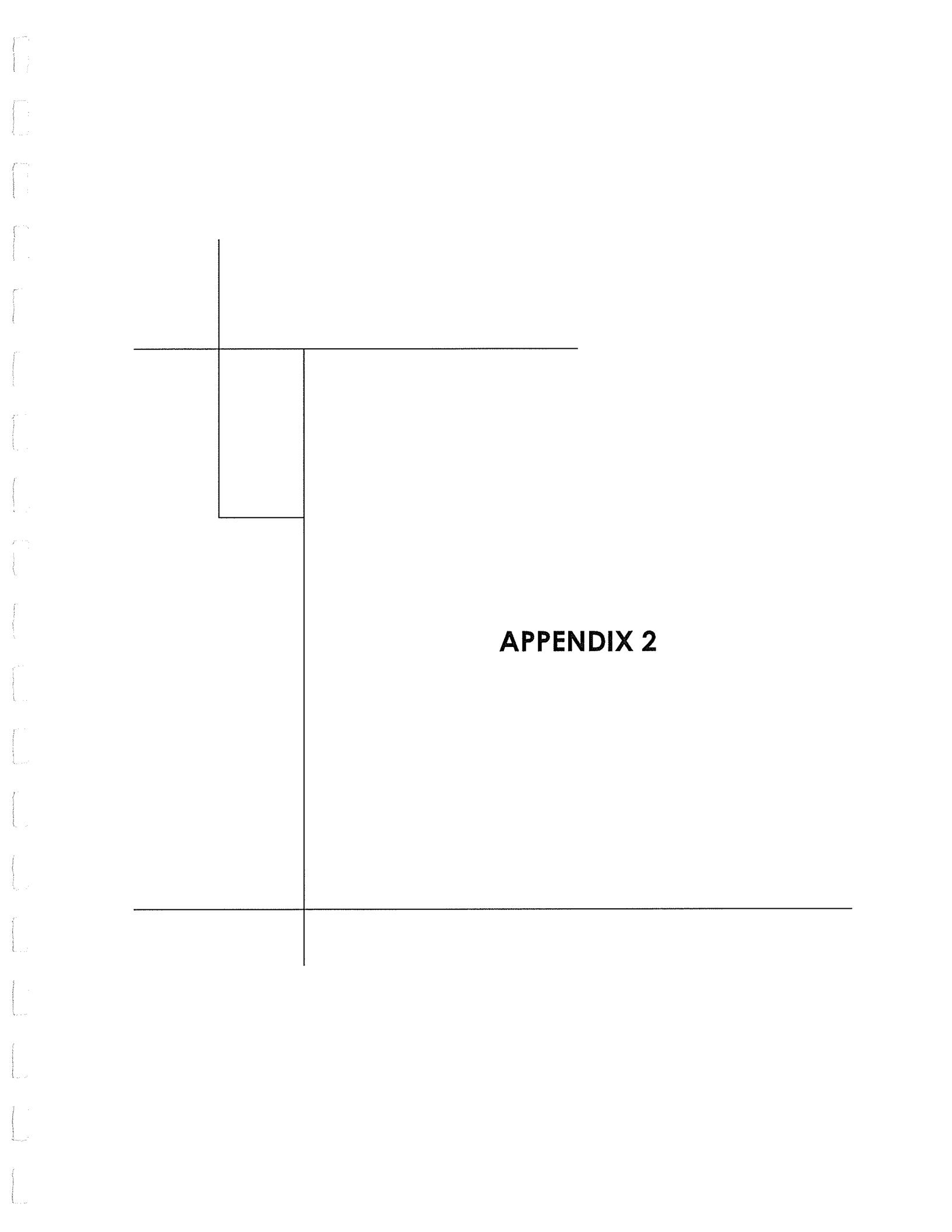
| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|----|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 244C_244B | Private | 183 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 244D_244C | Private | 44 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\24 | 247C_247A | Private | 42 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 247C_247D | Private | 174 |
| 0 | 8 | TC | | 247D_247E | Private | 75 |
| 0 | 8 | TC | | 247E_247G | Private | 212 |
| 0 | 8 | TC | | 247G_247F | Private | 135 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 247H_247G | Private | 47 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 25_24 | Private | 352 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 274_F-05 | Private | 45 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291B_291A | Private | 69 |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 1

Inventory of Sewer Mains by Size

| ID | DIA | MT'L | FILE REFERENCE | LOCATION | PUB/PRV | LENGTH |
|-----------------|-----|------|---------------------------------|-----------|---------|--------|
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291C_291B | Private | 52 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291D_291C | Private | 50 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291E_291D | Private | 56 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 291F_291E | Private | 231 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333B_333A | Private | 123 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333C_333B | Private | 305 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333D_333C | Private | 117 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 333E_333D | Private | 160 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 355A_355 | Private | 187 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 394B_394A | Private | 193 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 394B_394D | Private | 202 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 394C_394B | Private | 182 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 400_401 | Private | 242 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 402_387 | Private | 371 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 404_403 | Private | 244 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 405_404 | Private | 300 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 500_467 | Private | 48 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 601_600 | Private | 31 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 601A_601 | Private | 111 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 602_500 | Private | 175 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 602_601 | Private | 278 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | 603_602 | Private | 67 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | F-00_F-01 | Private | 95 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | F-02_F-01 | Private | 51 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | F-03_F-02 | Private | 83 |
| 0 | 8 | TC | G:\ESRI_Rasters\Conshohocken\Vi | F-05_F-04 | Private | 72 |
| 8" Total | | | | | | 5,898 |



APPENDIX 2

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 0 | Placed | 00 | 0.00000 | | Conshohocken |
| 401 | 2014 Survey, CKS | 002 | 59.19200 | | Conshohocken |
| 402 | 2014 Survey, CKS | 003 | 60.19900 | | Conshohocken |
| 400 | 2014 Survey, CKS | 003A | 59.06800 | | Conshohocken |
| 399 | 2014 Survey, CKS | 003B | 57.94900 | | Conshohocken |
| 0 | | 004 | 0.00000 | 75 | Conshohocken |
| 353 | 2014 Survey, CKS | 005 | 76.47900 | | Conshohocken |
| 352 | 2014 Survey, CKS | 006 | 85.22200 | 56 | Conshohocken |
| 487 | 2014 Survey, CKS | 007 | 74.75000 | | Conshohocken |
| 488 | 2014 Survey, CKS | 008 | 58.49900 | 90 | Conshohocken |
| 489 | 2014 Survey, CKS | 009 | 60.58000 | 98 | Conshohocken |
| 490 | 2014 Survey, CKS | 010 | 62.23500 | 78 | Conshohocken |
| 0 | | 010A | 0.00000 | 26 | Conshohocken |
| 359 | 2014 Survey, CKS | 011 | 64.43000 | | Conshohocken |
| 360 | 2014 Survey, CKS | 012 | 65.56600 | | Conshohocken |
| 361 | 2014 Survey, CKS | 013 | 65.43300 | 105 | Conshohocken |
| 362 | 2014 Survey, CKS | 014 | 71.96900 | 103 | Conshohocken |
| 363 | 2014 Survey, CKS | 015 | 73.90900 | 101 | Conshohocken |
| 0 | | 016 | 0.00000 | | Conshohocken |
| 364 | 2014 Survey, CKS | 017 | 94.47500 | | Conshohocken |
| 354 | 2014 Survey, CKS | 018 | 96.26200 | | Conshohocken |
| 355 | 2014 Survey, CKS | 019 | 87.30700 | 66 | Conshohocken |
| 356 | 2014 Survey, CKS | 020 | 73.95400 | 66 | Conshohocken |
| 357 | 2014 Survey, CKS | 021 | 69.51100 | 66 | Conshohocken |
| 358 | 2014 Survey, CKS | 022 | 75.33700 | | Conshohocken |
| 502 | 2014 Survey, CKS | 023 | 78.91700 | 72 | Conshohocken |
| 505 | 2014 Survey, CKS | 025 | 81.90000 | | Conshohocken |
| 375 | 2014 Survey, CKS | 026 | 84.21300 | | Conshohocken |
| 405 | 2014 Survey, CKS | 028 | 66.29600 | | Conshohocken |
| 404 | 2014 Survey, CKS | 029 | 63.64800 | 128 | Conshohocken |
| 0 | | 029A | 0.00000 | 90 | Conshohocken |
| 403 | 2014 Survey, CKS | 030 | 64.64100 | 120 | Conshohocken |
| 131 | 2014 Survey, CKS | 031 | 86.58500 | 90 | Conshohocken |
| 130 | 2014 Survey, CKS | 032 | 88.20500 | 90 | Conshohocken |
| 132 | 2014 Survey, CKS | 033 | 96.96400 | 93 | Conshohocken |
| 133 | 2014 Survey, CKS | 034 | 100.72700 | 69 | Conshohocken |
| 134 | 2014 Survey, CKS | 035 | 90.62600 | 61 | Conshohocken |
| 135 | 2014 Survey, CKS | 036 | 83.76400 | 84 | Conshohocken |
| 136 | 2014 Survey, CKS | 037 | 87.11400 | 69 | Conshohocken |
| 137 | 2014 Survey, CKS | 038 | 88.22600 | 83 | Conshohocken |
| 495 | 2014 Survey, CKS | 039 | 97.92900 | 60 | Conshohocken |
| 497 | 2014 Survey, CKS | 040 | 94.89600 | 100 | Conshohocken |
| 378 | 2014 Survey, CKS | 042 | 91.92200 | 51 | Conshohocken |
| 377 | 2014 Survey, CKS | 043 | 92.20700 | 52 | Conshohocken |
| 374 | 2014 Survey, CKS | 044 | 98.71600 | 88 | Conshohocken |
| 379 | 2014 Survey, CKS | 045 | 106.46300 | 41 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 380 | 2014 Survey, CKS | 046 | 111.11700 | | Conshohocken |
| 365 | 2014 Survey, CKS | 047 | 112.96000 | | Conshohocken |
| 0 | 2014 Survey, CKS | 048 | 73.97000 | | Conshohocken |
| 129 | 2014 Survey, CKS | 049 | 90.86300 | 39 | Conshohocken |
| 128 | 2014 Survey, CKS | 050 | 108.94300 | 54 | Conshohocken |
| 127 | 2014 Survey, CKS | 051 | 118.77500 | 48 | Conshohocken |
| 409 | 2014 Survey, CKS | 052 | 118.82200 | 48 | Conshohocken |
| 410 | 2014 Survey, CKS | 053 | 116.88600 | 54 | Conshohocken |
| 411 | 2014 Survey, CKS | 054 | 107.37800 | 48 | Conshohocken |
| 138 | 2014 Survey, CKS | 055 | 105.47500 | 72 | Conshohocken |
| 412 | 2014 Survey, CKS | 056 | 115.99800 | | Conshohocken |
| 498 | 2014 Survey, CKS | 057 | 112.80500 | | Conshohocken |
| 500 | 2014 Survey, CKS | 058 | 112.48700 | | Conshohocken |
| 376 | 2014 Survey, CKS | 059 | 93.75300 | | Conshohocken |
| 2 | 2014 Survey, CKS | 063 | 87.42800 | 104 | Conshohocken |
| 34 | 2014 Survey, CKS | 064 | 79.78400 | 108 | Conshohocken |
| 33 | 2014 Survey, CKS | 065 | 73.58300 | 42 | Conshohocken |
| 32 | 2014 Survey, CKS | 066 | 74.24700 | 108 | Conshohocken |
| 89 | 2014 Survey, CKS | 067 | 84.88100 | 109 | Conshohocken |
| 90 | 2014 Survey, CKS | 068 | 91.43900 | 113 | Conshohocken |
| 124 | 2014 Survey, CKS | 069 | 135.58600 | 62 | Conshohocken |
| 123 | 2014 Survey, CKS | 070 | 126.78100 | 70 | Conshohocken |
| 140 | 2014 Survey, CKS | 071 | 125.96700 | 88 | Conshohocken |
| 139 | 2014 Survey, CKS | 072 | 122.47700 | 90 | Conshohocken |
| 382 | 2014 Survey, CKS | 073 | 132.91200 | 66 | Conshohocken |
| 381 | 2014 Survey, CKS | 074 | 136.31100 | 45 | Conshohocken |
| 373 | 2014 Survey, CKS | 075 | 131.99500 | 36 | Conshohocken |
| 372 | 2014 Survey, CKS | 076 | 129.69500 | | Conshohocken |
| 371 | 2014 Survey, CKS | 077 | 126.24300 | | Conshohocken |
| 368 | 2014 Survey, CKS | 078 | 130.10500 | 44 | Conshohocken |
| 366 | 2014 Survey, CKS | 079 | 130.09200 | | Conshohocken |
| 367 | 2014 Survey, CKS | 080 | 133.61700 | | Conshohocken |
| 369 | 2014 Survey, CKS | 081 | 151.49700 | 114 | Conshohocken |
| 370 | 2014 Survey, CKS | 082 | 164.43800 | 114 | Conshohocken |
| 3 | 2014 Survey, CKS | 083 | 88.67300 | 39 | Conshohocken |
| 1 | 2014 Survey, CKS | 084 | 87.39800 | 89 | Conshohocken |
| 31 | 2014 Survey, CKS | 085 | 75.19300 | 96 | Conshohocken |
| 88 | 2014 Survey, CKS | 086 | 81.57200 | | Conshohocken |
| 91 | 2014 Survey, CKS | 087 | 93.58100 | 68 | Conshohocken |
| 92 | 2014 Survey, CKS | 088 | 117.97100 | 82 | Conshohocken |
| 126 | 2014 Survey, CKS | 089 | 131.48000 | 74 | Conshohocken |
| 125 | 2014 Survey, CKS | 090 | 137.99200 | 58 | Conshohocken |
| 413 | 2014 Survey, CKS | 091 | 148.48600 | 71 | Conshohocken |
| 414 | 2014 Survey, CKS | 092 | 152.44900 | 87 | Conshohocken |
| 415 | 2014 Survey, CKS | 093 | 165.31000 | 66 | Conshohocken |
| 122 | 2014 Survey, CKS | 094 | 128.40900 | 84 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 121 | 2014 Survey, CKS | 095 | 153.76000 | | Conshohocken |
| 120 | 2014 Survey, CKS | 096 | 169.39200 | | Conshohocken |
| 119 | 2014 Survey, CKS | 097 | 174.10000 | 90 | Conshohocken |
| 116 | 2014 Survey, CKS | 098 | 162.18800 | 66 | Conshohocken |
| 117 | 2014 Survey, CKS | 099 | 172.72900 | 92 | Conshohocken |
| 118 | 2014 Survey, CKS | 100 | 175.29400 | 42 | Conshohocken |
| 111 | 2014 Survey, CKS | 101 | 183.13600 | 84 | Conshohocken |
| 115 | 2014 Survey, CKS | 102 | 169.31700 | 72 | Conshohocken |
| 114 | 2014 Survey, CKS | 103 | 175.86400 | 63 | Conshohocken |
| 113 | 2014 Survey, CKS | 104 | 180.28100 | 72 | Conshohocken |
| 112 | 2014 Survey, CKS | 105 | 183.49000 | 78 | Conshohocken |
| 0 | 2014 Survey, CKS | 106 | 180.37000 | | Conshohocken |
| 109 | 2014 Survey, CKS | 107 | 178.98500 | 111 | Conshohocken |
| 110 | 2014 Survey, CKS | 108 | 174.97200 | 86 | Conshohocken |
| 108 | 2014 Survey, CKS | 109 | 177.88600 | 84 | Conshohocken |
| 407 | 2014 Survey, CKS | 10B | 55.87700 | | Conshohocken |
| 103 | 2014 Survey, CKS | 110 | 173.23500 | 75 | Conshohocken |
| 100 | 2014 Survey, CKS | 111 | 173.88300 | 87 | Conshohocken |
| 104 | 2014 Survey, CKS | 112 | 181.03900 | 102 | Conshohocken |
| 105 | 2014 Survey, CKS | 113 | 185.56000 | 150 | Conshohocken |
| 93 | 2014 Survey, CKS | 114 | 127.51800 | 88 | Conshohocken |
| 102 | 2014 Survey, CKS | 115 | 153.86700 | 78 | Conshohocken |
| 101 | 2014 Survey, CKS | 116 | 167.53700 | 67 | Conshohocken |
| 106 | 2014 Survey, CKS | 117 | 186.89300 | 63 | Conshohocken |
| 107 | 2014 Survey, CKS | 118 | 188.11300 | 104 | Conshohocken |
| 94 | 2014 Survey, CKS | 119 | 114.60400 | 87 | Conshohocken |
| 95 | 2014 Survey, CKS | 120 | 121.59700 | 64 | Conshohocken |
| 97 | 2014 Survey, CKS | 121 | 151.57100 | 50 | Conshohocken |
| 96 | 2014 Survey, CKS | 121A | 131.02200 | | Conshohocken |
| 98 | 2014 Survey, CKS | 122 | 163.81500 | 48 | Conshohocken |
| 99 | 2014 Survey, CKS | 122A | 166.19200 | 53 | Conshohocken |
| 81 | 2014 Survey, CKS | 123 | 193.75600 | 78 | Conshohocken |
| 80 | 2014 Survey, CKS | 124 | 197.27200 | 79 | Conshohocken |
| 87 | 2014 Survey, CKS | 125 | 95.65400 | | Conshohocken |
| 86 | 2014 Survey, CKS | 126 | 116.85600 | | Conshohocken |
| 85 | 2014 Survey, CKS | 127 | 141.14400 | 87 | Conshohocken |
| 84 | 2014 Survey, CKS | 128 | 160.29500 | 66 | Conshohocken |
| 83 | 2014 Survey, CKS | 129 | 173.79000 | 93 | Conshohocken |
| 82 | 2014 Survey, CKS | 130 | 193.48200 | 72 | Conshohocken |
| 79 | 2014 Survey, CKS | 131 | 197.50500 | 66 | Conshohocken |
| 30 | 2014 Survey, CKS | 132 | 77.44100 | 84 | Conshohocken |
| 29 | 2014 Survey, CKS | 133 | 85.95200 | | Conshohocken |
| 28 | 2014 Survey, CKS | 134 | 105.14600 | 75 | Conshohocken |
| 507 | 2014 Survey, CKS | 135 | 121.08200 | | Conshohocken |
| 485 | 2014 Survey, CKS | 136 | 144.79800 | 54 | Conshohocken |
| 486 | 2014 Survey, CKS | 137 | 163.50900 | 69 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 0 | | 138 | 0.00000 | | Conshohocken |
| 0 | | 139 | 0.00000 | | Conshohocken |
| 19 | 2014 Survey, CKS | 140 | 202.77600 | 48 | Conshohocken |
| 24 | 2014 Survey, CKS | 141 | 131.26600 | 111 | Conshohocken |
| 23 | 2014 Survey, CKS | 142 | 150.62300 | 90 | Conshohocken |
| 21 | 2014 Survey, CKS | 143 | 166.13800 | 105 | Conshohocken |
| 20 | 2014 Survey, CKS | 144 | 186.23800 | 80 | Conshohocken |
| 17 | 2014 Survey, CKS | 145 | 205.42600 | 84 | Conshohocken |
| 18 | 2014 Survey, CKS | 146 | 207.43900 | 90 | Conshohocken |
| 35 | 2014 Survey, CKS | 147 | 85.22700 | 66 | Conshohocken |
| 36 | 2014 Survey, CKS | 147A | 101.46300 | | Conshohocken |
| 37 | 2014 Survey, CKS | 148 | 137.73200 | | Conshohocken |
| 25 | 2014 Survey, CKS | 149 | 141.20700 | 66 | Conshohocken |
| 8 | 2014 Survey, CKS | 150 | 147.27700 | 66 | Conshohocken |
| 26 | 2014 Survey, CKS | 151 | 164.60600 | 66 | Conshohocken |
| 27 | 2014 Survey, CKS | 152 | 170.38900 | 66 | Conshohocken |
| 0 | Placed | 153 | 0.00000 | | Conshohocken |
| 0 | Placed | 153A | 0.00000 | | Conshohocken |
| 11 | 2014 Survey, CKS | 154 | 182.88800 | 84 | Conshohocken |
| 38 | 2014 Survey, CKS | 155 | 202.98200 | 90 | Conshohocken |
| 481 | 2014 Survey, CKS | 156 | 90.88000 | 67 | Conshohocken |
| 4 | 2014 Survey, CKS | 157 | 96.80700 | 68 | Conshohocken |
| 5 | 2014 Survey, CKS | 158 | 104.63100 | 67 | Conshohocken |
| 6 | 2014 Survey, CKS | 159 | 133.71600 | 74 | Conshohocken |
| 7 | 2014 Survey, CKS | 160 | 151.74200 | 69 | Conshohocken |
| 9 | 2014 Survey, CKS | 161 | 169.24700 | 73 | Conshohocken |
| 12 | 2014 Survey, CKS | 162 | 196.13900 | 74 | Conshohocken |
| 10 | 2014 Survey, CKS | 162A | 184.37700 | 61 | Conshohocken |
| 13 | 2014 Survey, CKS | 163 | 222.29600 | 89 | Conshohocken |
| 14 | 2014 Survey, CKS | 163A | 222.07500 | 76 | Conshohocken |
| 15 | 2014 Survey, CKS | 164 | 224.54200 | 84 | Conshohocken |
| 16 | 2014 Survey, CKS | 165 | 225.17100 | 84 | Conshohocken |
| 0 | survey,2014 | 166 | 99.79300 | | Conshohocken |
| 49 | 2014 Survey, CKS | 167 | 99.17200 | 63 | Conshohocken |
| 45 | 2014 Survey, CKS | 168 | 110.34700 | 90 | Conshohocken |
| 503 | 2014 Survey, CKS | 169 | 111.35400 | 104 | Conshohocken |
| 504 | 2014 Survey, CKS | 170 | 124.03200 | 108 | Conshohocken |
| 484 | 2014 Survey, CKS | 171 | 148.47800 | 102 | Conshohocken |
| 0 | | 171A | 0.00000 | 188 | Conshohocken |
| 44 | 2014 Survey, CKS | 172 | 171.87400 | 108 | Conshohocken |
| 43 | 2014 Survey, CKS | 173 | 178.60000 | 102 | Conshohocken |
| 42 | 2014 Survey, CKS | 174 | 182.08100 | 72 | Conshohocken |
| 41 | 2014 Survey, CKS | 175 | 192.33200 | 81 | Conshohocken |
| 40 | 2014 Survey, CKS | 176 | 224.21200 | 75 | Conshohocken |
| 39 | 2014 Survey, CKS | 177 | 227.83100 | 75 | Conshohocken |
| 53 | 2014 Survey, CKS | 178 | 231.05400 | 102 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 48 | 2014 Survey, CKS | 179 | 100.67800 | 69 | Conshohocken |
| 47 | 2014 Survey, CKS | 180 | 116.36400 | 56 | Conshohocken |
| 46 | 2014 Survey, CKS | 181 | 129.49700 | 62 | Conshohocken |
| 438 | 2014 Survey, CKS | 182 | 83.87700 | 91 | Conshohocken |
| 439 | 2014 Survey, CKS | 183 | 143.39000 | 62 | Conshohocken |
| 440 | 2014 Survey, CKS | 184 | 151.86600 | 65 | Conshohocken |
| 441 | 2014 Survey, CKS | 185 | 165.02400 | 84 | Conshohocken |
| 442 | 2014 Survey, CKS | 186 | 175.37800 | 73 | Conshohocken |
| 443 | 2014 Survey, CKS | 187 | 188.25100 | 83 | Conshohocken |
| 444 | 2014 Survey, CKS | 188 | 218.13400 | 78 | Conshohocken |
| 445 | 2014 Survey, CKS | 189 | 226.13500 | 80 | Conshohocken |
| 51 | 2014 Survey, CKS | 190 | 228.33300 | 84 | Conshohocken |
| 52 | 2014 Survey, CKS | 191 | 231.70300 | 80 | Conshohocken |
| 155 | 2014 Survey, CKS | 192 | 230.68400 | 99 | Conshohocken |
| 62 | 2014 Survey, CKS | 193 | 113.41000 | 87 | Conshohocken |
| 61 | 2014 Survey, CKS | 194 | 116.95100 | 45 | Conshohocken |
| 60 | 2014 Survey, CKS | 195 | 134.30100 | 54 | Conshohocken |
| 59 | 2014 Survey, CKS | 196 | 148.87700 | 90 | Conshohocken |
| 406 | 2014 Survey, CKS | 197 | 172.69700 | 72 | Conshohocken |
| 57 | 2014 Survey, CKS | 198 | 163.69000 | 78 | Conshohocken |
| 56 | 2014 Survey, CKS | 199 | 155.55600 | 48 | Conshohocken |
| 55 | 2014 Survey, CKS | 200 | 189.09400 | 90 | Conshohocken |
| 54 | 2014 Survey, CKS | 201 | 179.02000 | 80 | Conshohocken |
| 63 | 2014 Survey, CKS | 202 | 124.82700 | 60 | Conshohocken |
| 437 | 2014 Survey, CKS | 203 | 144.06300 | 90 | Conshohocken |
| 436 | 2014 Survey, CKS | 204 | 163.93900 | 92 | Conshohocken |
| 58 | 2014 Survey, CKS | 205 | 177.43400 | 54 | Conshohocken |
| 435 | 2014 Survey, CKS | 206 | 176.04700 | 78 | Conshohocken |
| 434 | 2014 Survey, CKS | 207 | 177.80600 | 90 | Conshohocken |
| 0 | Placed | 207A | 0.00000 | | Conshohocken |
| 433 | 2014 Survey, CKS | 208 | 180.59900 | 90 | Conshohocken |
| 432 | 2014 Survey, CKS | 209 | 195.32100 | 79 | Conshohocken |
| 0 | 2014 Survey, CKS | 210 | 215.60000 | 74 | Conshohocken |
| 431 | 2014 Survey, CKS | 211 | 224.89100 | 90 | Conshohocken |
| 78 | 2014 Survey, CKS | 212 | 230.21700 | 105 | Conshohocken |
| 64 | 2014 Survey, CKS | 213 | 130.56400 | 54 | Conshohocken |
| 65 | 2014 Survey, CKS | 214 | 153.46000 | 90 | Conshohocken |
| 66 | 2014 Survey, CKS | 215 | 167.65500 | 66 | Conshohocken |
| 67 | 2014 Survey, CKS | 216 | 185.77200 | 54 | Conshohocken |
| 68 | 2014 Survey, CKS | 217 | 186.27300 | 54 | Conshohocken |
| 69 | 2014 Survey, CKS | 218 | 188.44100 | 48 | Conshohocken |
| 71 | 2014 Survey, CKS | 219 | 196.40700 | 54 | Conshohocken |
| 72 | 2014 Survey, CKS | 220 | 203.77000 | 54 | Conshohocken |
| 73 | 2014 Survey, CKS | 221 | 207.38600 | 54 | Conshohocken |
| 74 | 2014 Survey, CKS | 222 | 215.88200 | 69 | Conshohocken |
| 75 | 2014 Survey, CKS | 223 | 218.06300 | 78 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 422 | 2014 Survey, CKS | 224 | 137.17800 | 87 | Conshohocken |
| 423 | 2014 Survey, CKS | 225 | 151.71300 | 78 | Conshohocken |
| 424 | 2014 Survey, CKS | 226 | 171.15500 | 66 | Conshohocken |
| 425 | 2014 Survey, CKS | 227 | 187.84000 | 60 | Conshohocken |
| 426 | 2014 Survey, CKS | 228 | 196.07000 | 69 | Conshohocken |
| 70 | 2014 Survey, CKS | 229 | 206.12900 | 66 | Conshohocken |
| 427 | 2014 Survey, CKS | 230 | 216.31500 | 81 | Conshohocken |
| 428 | 2014 Survey, CKS | 231 | 219.30100 | 90 | Conshohocken |
| 76 | 2014 Survey, CKS | 232 | 219.58000 | 67 | Conshohocken |
| 77 | 2014 Survey, CKS | 233 | 225.43900 | 108 | Conshohocken |
| 514 | 2014 Survey, CKS | 233A | 230.28000 | 108 | Conshohocken |
| 429 | 2014 Survey, CKS | 234 | 228.71000 | 108 | Conshohocken |
| 430 | 2014 Survey, CKS | 235 | 227.31400 | | Conshohocken |
| 421 | 2014 Survey, CKS | 236 | 140.59600 | 78 | Conshohocken |
| 417 | 2014 Survey, CKS | 236A | 172.49400 | | Conshohocken |
| 416 | 2014 Survey, CKS | 237 | 173.34600 | 72 | Conshohocken |
| 418 | 2014 Survey, CKS | 238 | 190.93300 | 72 | Conshohocken |
| 0 | | 239A | 0.00000 | | Conshohocken |
| 398 | 2014 Survey, CKS | 241 | 61.01800 | | Conshohocken |
| 396 | 2014 Survey, CKS | 242 | 52.20700 | 108 | Conshohocken |
| 395 | 2014 Survey, CKS | 243 | 60.38500 | 105 | Conshohocken |
| 351 | 2014 Survey, CKS | 244 | 53.15500 | 96 | Conshohocken |
| 408 | 2014 Survey, CKS | 245 | 56.57800 | 84 | Conshohocken |
| 347 | 2014 Survey, CKS | 246 | 53.94500 | 78 | Conshohocken |
| 337 | 2014 Survey, CKS | 247 | 54.81000 | | Conshohocken |
| 512 | Placed | 248 | 0.00000 | | Conshohocken |
| 336 | 2014 Survey, CKS | 249 | 54.76600 | | Conshohocken |
| 0 | | 24A | 0.00000 | | Conshohocken |
| 0 | | 24B | 0.00000 | | Conshohocken |
| 335 | 2014 Survey, CKS | 250 | 55.19600 | | Conshohocken |
| 330 | 2014 Survey, CKS | 251 | 54.26200 | | Conshohocken |
| 0 | | 251A | 0.00000 | | Conshohocken |
| 332 | 2014 Survey, CKS | 251B | 54.45600 | | Conshohocken |
| 333 | 2014 Survey, CKS | 251C | 53.58800 | | Conshohocken |
| 334 | 2014 Survey, CKS | 251D | 52.67200 | | Conshohocken |
| 329 | 2014 Survey, CKS | 252 | 55.99400 | | Conshohocken |
| 327 | 2014 Survey, CKS | 253 | 56.26200 | | Conshohocken |
| 328 | 2014 Survey, CKS | 253A | 56.21400 | | Conshohocken |
| 326 | 2014 Survey, CKS | 254 | 57.04300 | 83 | Conshohocken |
| 513 | 2014 Survey, CKS | 255 | 69.38800 | 94 | Conshohocken |
| 325 | 2014 Survey, CKS | 257 | 69.42500 | 82 | Conshohocken |
| 511 | Placed | 257A | 0.00000 | 87 | Conshohocken |
| 324 | 2014 Survey, CKS | 262 | 58.77300 | 66 | Conshohocken |
| 323 | 2014 Survey, CKS | 263 | 58.05300 | 55 | Conshohocken |
| 322 | 2014 Survey, CKS | 264 | 57.22200 | 31 | Conshohocken |
| 302 | 2014 Survey, CKS | 264A | 59.84200 | 52 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|----------------------|-------|-----------|-------|--------------|
| 0 | Placed as instructed | 264B | 0.00000 | . | Conshohocken |
| 321 | 2014 Survey, CKS | 264C | 105.22800 | | Conshohocken |
| 0 | | 265 | 60.07000 | 121 | Conshohocken |
| 303 | 2014 Survey, CKS | 265A | 61.92000 | | Conshohocken |
| 0 | 2014 Survey, CKS | 265B | 84.02000 | | Conshohocken |
| 0 | 2014 Survey, CKS | 266 | 64.83000 | 122 | Conshohocken |
| 304 | 2014 Survey, CKS | 266-1 | 66.30800 | 66 | Conshohocken |
| 0 | 2014 Survey, CKS | 266A | 65.06000 | | Conshohocken |
| 0 | 2014 Survey, CKS | 266B | 68.98000 | | Conshohocken |
| 0 | 2014 Survey, CKS | 267 | 71.10000 | | Conshohocken |
| 305 | 2014 Survey, CKS | 267A | 71.79000 | | Conshohocken |
| 306 | 2014 Survey, CKS | 267B | 73.02000 | | Conshohocken |
| 307 | 2014 Survey, CKS | 268 | 71.77100 | | Conshohocken |
| 308 | 2014 Survey, CKS | 269 | 66.99300 | | Conshohocken |
| 0 | 2014 Survey, CKS | 269A | 70.54000 | | Conshohocken |
| 0 | | 270 | 0.00000 | | Conshohocken |
| 311 | 2014 Survey, CKS | 271 | 66.60200 | | Conshohocken |
| 0 | | 271A | 0.00000 | | Conshohocken |
| 310 | 2014 Survey, CKS | 272 | 84.54700 | | Conshohocken |
| 312 | 2014 Survey, CKS | 273 | 84.65100 | | Conshohocken |
| 313 | 2014 Survey, CKS | 274 | 91.08500 | | Conshohocken |
| 314 | 2014 Survey, CKS | 275 | 91.17700 | | Conshohocken |
| 317 | 2014 Survey, CKS | 276 | 97.61200 | | Conshohocken |
| 315 | 2014 Survey, CKS | 277 | 92.87700 | | Conshohocken |
| 385 | 2014 Survey, CKS | 278 | 96.07700 | | Conshohocken |
| 316 | 2014 Survey, CKS | 279 | 95.89300 | | Conshohocken |
| 318 | 2014 Survey, CKS | 280 | 88.77100 | 53 | Conshohocken |
| 319 | | 281 | 93.69900 | 64 | Conshohocken |
| 250 | 2014 Survey, CKS | 282 | 98.70300 | 78 | Conshohocken |
| 320 | 2014 Survey, CKS | 282 | 100.92700 | | Conshohocken |
| 249 | 2014 Survey, CKS | 283 | 89.63100 | | Conshohocken |
| 389 | 2014 Survey, CKS | 285 | 87.33800 | | Conshohocken |
| 248 | 2014 Survey, CKS | 286 | 75.67100 | | Conshohocken |
| 247 | 2014 Survey, CKS | 287 | 76.21500 | | Conshohocken |
| 246 | 2014 Survey, CKS | 288 | 82.36200 | | Conshohocken |
| 245 | 2014 Survey, CKS | 289 | 83.00200 | | Conshohocken |
| 244 | 2014 Survey, CKS | 290 | 76.26500 | | Conshohocken |
| 242 | 2014 Survey, CKS | 291 | 70.60400 | | Conshohocken |
| 241 | 2014 Survey, CKS | 292 | 67.22000 | | Conshohocken |
| 510 | Placed | 293 | 0.00000 | 102 | Conshohocken |
| 240 | 2014 Survey, CKS | 294 | 69.09900 | 138 | Conshohocken |
| 239 | 2014 Survey, CKS | 295 | 70.90200 | 132 | Conshohocken |
| 388 | 2014 Survey, CKS | 296 | 73.69200 | 114 | Conshohocken |
| 387 | 2014 Survey, CKS | 297 | 74.12300 | 96 | Conshohocken |
| 393 | 2014 Survey, CKS | 298 | 74.79600 | 84 | Conshohocken |
| 386 | 2014 Survey, CKS | 298A | 75.32800 | | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|----------|-----------|-------|--------------|
| 300 | 2014 Survey, CKS | 311 | 113.24100 | | Conshohocken |
| 298 | 2014 Survey, CKS | 312 | 97.69500 | | Conshohocken |
| 299 | 2014 Survey, CKS | 313 | 95.61200 | | Conshohocken |
| 297 | 2014 Survey, CKS | 314 | 107.88400 | | Conshohocken |
| 251 | 2014 Survey, CKS | 315 | 101.54200 | | Conshohocken |
| 295 | 2014 Survey, CKS | 317 | 121.51800 | | Conshohocken |
| 296 | 2014 Survey, CKS | 318 | 121.81300 | | Conshohocken |
| 289 | 2014 Survey, CKS | 319 | 137.01400 | 92 | Conshohocken |
| 252 | 2014 Survey, CKS | 319/323A | 104.07900 | 81 | Conshohocken |
| 290 | 2014 Survey, CKS | 320 | 139.94000 | 71 | Conshohocken |
| 291 | 2014 Survey, CKS | 321 | 141.46500 | 106 | Conshohocken |
| 292 | 2014 Survey, CKS | 322 | 126.28800 | 111 | Conshohocken |
| 293 | 2014 Survey, CKS | 323 | 106.60900 | 69 | Conshohocken |
| 294 | 2014 Survey, CKS | 324 | 104.12100 | | Conshohocken |
| 390 | 2014 Survey, CKS | 325 | 87.02800 | | Conshohocken |
| 288 | 2014 Survey, CKS | 326 | 154.30100 | | Conshohocken |
| 287 | 2014 Survey, CKS | 327 | 162.22700 | | Conshohocken |
| 286 | 2014 Survey, CKS | 328 | 152.33400 | | Conshohocken |
| 285 | 2014 Survey, CKS | 329 | 120.00100 | | Conshohocken |
| 284 | 2014 Survey, CKS | 330 | 109.22900 | 65 | Conshohocken |
| 278 | 2014 Survey, CKS | 331 | 173.04600 | | Conshohocken |
| 279 | 2014 Survey, CKS | 332 | 105.96300 | 99 | Conshohocken |
| 391 | 2014 Survey, CKS | 333 | 80.67000 | 66 | Conshohocken |
| 277 | 2014 Survey, CKS | 334 | 176.66400 | 72 | Conshohocken |
| 0 | | 334A | 0.00000 | | Conshohocken |
| 276 | 2014 Survey, CKS | 335 | 172.00800 | 54 | Conshohocken |
| 275 | 2014 Survey, CKS | 336 | 152.72000 | 63 | Conshohocken |
| 274 | 2014 Survey, CKS | 337 | 116.86900 | 71 | Conshohocken |
| 280 | 2014 Survey, CKS | 338 | 109.99700 | | Conshohocken |
| 281 | 2014 Survey, CKS | 338A | 93.45900 | | Conshohocken |
| 282 | 2014 Survey, CKS | 339 | 90.26500 | | Conshohocken |
| 283 | 2014 Survey, CKS | 340 | 98.27800 | 102 | Conshohocken |
| 262 | 2014 Survey, CKS | 341 | 165.06000 | 72 | Conshohocken |
| 269 | 2014 Survey, CKS | 342 | 119.67500 | 69 | Conshohocken |
| 268 | 2014 Survey, CKS | 343 | 114.32400 | 87 | Conshohocken |
| 267 | 2014 Survey, CKS | 344 | 110.29500 | 85 | Conshohocken |
| 383 | 2014 Survey, CKS | 345 | 105.67800 | 50 | Conshohocken |
| 273 | 2014 Survey, CKS | 346 | 113.81000 | 72 | Conshohocken |
| 271 | 2014 Survey, CKS | 346A | 122.99800 | 70 | Conshohocken |
| 272 | 2014 Survey, CKS | 346B | 130.73600 | 108 | Conshohocken |
| 261 | 2014 Survey, CKS | 347 | 158.42300 | 69 | Conshohocken |
| 270 | 2014 Survey, CKS | 348 | 132.40600 | 75 | Conshohocken |
| 263 | 2014 Survey, CKS | 349 | 125.74900 | 85 | Conshohocken |
| 262 | 2014 Survey, CKS | 350 | 122.49400 | 86 | Conshohocken |
| 265 | 2014 Survey, CKS | 351 | 137.37300 | 60 | Conshohocken |
| 266 | 2014 Survey, CKS | 352 | 145.70400 | 50 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 384 | 2014 Survey, CKS | 353 | 123.78200 | 104 | Conshohocken |
| 260 | 2014 Survey, CKS | 354 | 161.12300 | | Conshohocken |
| 259 | 2014 Survey, CKS | 355 | 143.33200 | 104 | Conshohocken |
| 258 | 2014 Survey, CKS | 356 | 131.67500 | 102 | Conshohocken |
| 257 | 2014 Survey, CKS | 357 | 150.28600 | 84 | Conshohocken |
| 256 | 2014 Survey, CKS | 358 | 156.26600 | 83 | Conshohocken |
| 255 | 2014 Survey, CKS | 359 | 0.00000 | 53 | Conshohocken |
| 254 | 2014 Survey, CKS | 360 | 142.12000 | 97 | Conshohocken |
| 253 | 2014 Survey, CKS | 361 | 140.74700 | 49 | Conshohocken |
| 192 | 2014 Survey, CKS | 362 | 181.65800 | 74 | Conshohocken |
| 193 | 2014 Survey, CKS | 363 | 173.42300 | 75 | Conshohocken |
| 194 | 2014 Survey, CKS | 364 | 146.41600 | 108 | Conshohocken |
| 195 | 2014 Survey, CKS | 365 | 146.40600 | 84 | Conshohocken |
| 196 | 2014 Survey, CKS | 366 | 156.07300 | 77 | Conshohocken |
| 197 | 2014 Survey, CKS | 367 | 160.02100 | 67 | Conshohocken |
| 198 | 2014 Survey, CKS | 368 | 163.93000 | 78 | Conshohocken |
| 199 | 2014 Survey, CKS | 369 | 164.82000 | 36 | Conshohocken |
| 200 | 2014 Survey, CKS | 370 | 163.51800 | 64 | Conshohocken |
| 201 | 2014 Survey, CKS | 371 | 143.91200 | | Conshohocken |
| 238 | 2014 Survey, CKS | 372 | 121.67900 | 81 | Conshohocken |
| 235 | 2014 Survey, CKS | 373 | 106.09900 | 88 | Conshohocken |
| 229 | 2014 Survey, CKS | 374 | 93.62000 | 153 | Conshohocken |
| 228 | 2014 Survey, CKS | 375 | 89.20500 | 154 | Conshohocken |
| 509 | Placed | 376 | 0.00000 | 66 | Conshohocken |
| 182 | 2014 Survey, CKS | 377 | 183.56900 | 83 | Conshohocken |
| 191 | 2014 Survey, CKS | 378 | 176.74800 | 78 | Conshohocken |
| 190 | 2014 Survey, CKS | 378A | 158.48400 | 68 | Conshohocken |
| 189 | 2014 Survey, CKS | 379 | 148.21500 | 90 | Conshohocken |
| 187 | 2014 Survey, CKS | 380 | 169.14600 | 55 | Conshohocken |
| 188 | 2014 Survey, CKS | 380A | 153.42900 | 75 | Conshohocken |
| 186 | 2014 Survey, CKS | 381 | 172.65500 | 64 | Conshohocken |
| 202 | 2014 Survey, CKS | 382 | 145.73900 | | Conshohocken |
| 203 | 2014 Survey, CKS | 383 | 138.99200 | | Conshohocken |
| 226 | 2014 Survey, CKS | 384 | 133.17700 | | Conshohocken |
| 237 | 2014 Survey, CKS | 385 | 132.47600 | 81 | Conshohocken |
| 236 | 2014 Survey, CKS | 385A | 107.71200 | | Conshohocken |
| 227 | 2014 Survey, CKS | 386 | 100.18500 | 66 | Conshohocken |
| 181 | 2014 Survey, CKS | 387 | 184.74300 | 90 | Conshohocken |
| 183 | 2014 Survey, CKS | 388 | 169.39700 | 75 | Conshohocken |
| 184 | 2014 Survey, CKS | 389 | 173.66100 | | Conshohocken |
| 185 | 2014 Survey, CKS | 390 | 173.68200 | 84 | Conshohocken |
| 225 | 2014 Survey, CKS | 391 | 170.57600 | | Conshohocken |
| 204 | 2014 Survey, CKS | 392 | 155.47600 | | Conshohocken |
| 223 | 2014 Survey, CKS | 393 | 157.72200 | | Conshohocken |
| 222 | 2014 Survey, CKS | 394 | 148.35000 | 58 | Conshohocken |
| 221 | 2014 Survey, CKS | 395 | 130.37300 | | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY**APPENDIX 2**
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|--------------|
| 220 | 2014 Survey, CKS | 396 | 114.69800 | 72 | Conshohocken |
| 180 | 2014 Survey, CKS | 397 | 186.39700 | 84 | Conshohocken |
| 179 | 2014 Survey, CKS | 398 | 172.85100 | | Conshohocken |
| 178 | 2014 Survey, CKS | 399 | 171.33700 | 103 | Conshohocken |
| 212 | 2014 Survey, CKS | 406 | 165.06300 | 94 | Conshohocken |
| 211 | 2014 Survey, CKS | 407 | 161.98700 | 89 | Conshohocken |
| 209 | 2014 Survey, CKS | 408 | 162.24500 | 100 | Conshohocken |
| 208 | 2014 Survey, CKS | 408A | 162.31400 | 68 | Conshohocken |
| 210 | 2014 Survey, CKS | 408B | 174.24500 | 65 | Conshohocken |
| 174 | 2014 Survey, CKS | 409 | 198.02900 | | Conshohocken |
| 175 | 2014 Survey, CKS | 410 | 182.85100 | 68 | Conshohocken |
| 176 | 2014 Survey, CKS | 411 | 175.12900 | 61 | Conshohocken |
| 170 | 2014 Survey, CKS | 412 | 216.42900 | 82 | Conshohocken |
| 0 | | 412A | 0.00000 | 65 | Conshohocken |
| 169 | 2014 Survey, CKS | 413 | 211.00000 | 81 | Conshohocken |
| 168 | 2014 Survey, CKS | 414 | 195.56900 | 75 | Conshohocken |
| 167 | 2014 Survey, CKS | 415 | 183.62800 | 69 | Conshohocken |
| 162 | 2014 Survey, CKS | 416 | 215.63800 | 120 | Conshohocken |
| 163 | 2014 Survey, CKS | 417 | 207.80800 | 102 | Conshohocken |
| 164 | 2014 Survey, CKS | 418 | 193.79000 | 59 | Conshohocken |
| 165 | 2014 Survey, CKS | 419 | 202.43700 | 77 | Conshohocken |
| 161 | 2014 Survey, CKS | 420 | 228.20800 | 76 | Conshohocken |
| 160 | 2014 Survey, CKS | 421 | 221.74500 | 84 | Conshohocken |
| 458 | 2014 Survey, CKS | 422 | 189.80000 | 82 | Conshohocken |
| 459 | 2014 Survey, CKS | 423 | 146.73200 | 42 | Conshohocken |
| 166 | 2014 Survey, CKS | 424 | 203.84400 | 58 | Conshohocken |
| 457 | 2014 Survey, CKS | 425 | 190.79900 | 55 | Conshohocken |
| 159 | 2014 Survey, CKS | 426 | 224.60600 | 51 | Conshohocken |
| 158 | 2014 Survey, CKS | 427 | 217.41400 | 74 | Conshohocken |
| 157 | 2014 Survey, CKS | 428 | 202.05800 | 62 | Conshohocken |
| 460 | 2014 Survey, CKS | 429 | 148.31600 | 70 | Conshohocken |
| 461 | 2014 Survey, CKS | 430 | 141.89600 | 63 | Conshohocken |
| 462 | 2014 Survey, CKS | 431 | 140.62400 | 66 | Conshohocken |
| 463 | 2014 Survey, CKS | 432 | 114.49200 | 64 | Conshohocken |
| 464 | 2014 Survey, CKS | 433 | 94.28000 | 56 | Conshohocken |
| 471 | 2014 Survey, CKS | 434 | 226.78200 | 79 | Conshohocken |
| 472 | 2014 Survey, CKS | 435 | 217.84100 | 58 | Conshohocken |
| 156 | 2014 Survey, CKS | 436 | 195.88500 | 57 | Conshohocken |
| 456 | 2014 Survey, CKS | 437 | 181.11600 | 61 | Conshohocken |
| 470 | 2014 Survey, CKS | 438 | 179.13700 | 78 | Conshohocken |
| 469 | 2014 Survey, CKS | 439 | 165.58200 | 91 | Conshohocken |
| 468 | 2014 Survey, CKS | 440 | 162.14200 | 70 | Conshohocken |
| 467 | 2014 Survey, CKS | 441 | 157.40100 | 68 | Conshohocken |
| 466 | 2014 Survey, CKS | 442 | 149.75200 | 54 | Conshohocken |
| 473 | 2014 Survey, CKS | 443 | 226.60000 | | Conshohocken |
| 474 | 2014 Survey, CKS | 444 | 212.96500 | 62 | Conshohocken |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|---------------------------|------------------|-------|-----------------------------------|------------------|--------------|
| 475 | 2014 Survey, CKS | 445 | 194.42800 | 95 | Conshohocken |
| 454 | 2014 Survey, CKS | 446 | 178.07700 | 87 | Conshohocken |
| 453 | 2014 Survey, CKS | 447 | 170.33800 | 71 | Conshohocken |
| 452 | 2014 Survey, CKS | 448 | 167.06200 | 83 | Conshohocken |
| 451 | 2014 Survey, CKS | 449 | 148.48700 | 94 | Conshohocken |
| 0 | | 450 | 0.00000 | 74 | Conshohocken |
| 446 | 2014 Survey, CKS | 451 | 91.23600 | | Conshohocken |
| 0 | 2014 Survey, CKS | 452 | 228.44000 | 59 | Conshohocken |
| 476 | 2014 Survey, CKS | 453 | 193.80900 | 72 | Conshohocken |
| 455 | 2014 Survey, CKS | 454 | 182.30900 | | Conshohocken |
| 141 | 2014 Survey, CKS | 455 | 227.50700 | | Conshohocken |
| 142 | 2014 Survey, CKS | 456 | 212.05600 | 72 | Conshohocken |
| 143 | 2014 Survey, CKS | 457 | 193.49000 | 61 | Conshohocken |
| 482 | 2014 Survey, CKS | 458 | 182.86300 | 64 | Conshohocken |
| 483 | 2014 Survey, CKS | 459 | 177.67500 | 51 | Conshohocken |
| 479 | 2014 Survey, CKS | 460 | 184.44100 | 138 | Conshohocken |
| 480 | 2014 Survey, CKS | 461 | 186.97000 | 66 | Conshohocken |
| 144 | 2014 Survey, CKS | 462 | 181.87300 | 120 | Conshohocken |
| 478 | 2014 Survey, CKS | 463 | 176.94500 | 71 | Conshohocken |
| 516 | 2014 Survey, CKS | 463A | 179.56000 | | Conshohocken |
| 477 | 2014 Survey, CKS | 464 | 159.82800 | | Conshohocken |
| 145 | 2014 Survey, CKS | 465 | 148.54200 | 51 | Conshohocken |
| 515 | 2014 Survey, CKS | 465A | 149.42000 | 38 | Conshohocken |
| 0 | 2014 Survey, CKS | 466 | 137.33000 | | Conshohocken |
| 214 | 2014 Survey, CKS | 480 | 95.53800 | | Conshohocken |
| 215 | 2014 Survey, CKS | 481 | 95.70900 | 74 | Conshohocken |
| 216 | 2014 Survey, CKS | 482 | 93.17300 | 111 | Conshohocken |
| 217 | 2014 Survey, CKS | 483 | 92.81300 | 121 | Conshohocken |
| 218 | 2014 Survey, CKS | 484 | 95.69900 | 81 | Conshohocken |
| 219 | 2014 Survey, CKS | 485 | 96.07900 | 59 | Conshohocken |
| 397 | 2014 Survey, CKS | EFF | 52.39100 | | Conshohocken |
| 0 | 2014 Survey, CKS | | 59.26000 | | Conshohocken |
| 0 | 2014 Survey, CKS | | 62.75000 | | Conshohocken |
| 0 | 2014 Survey, CKS | | 59.39000 | | Conshohocken |
| 0 | 2014 Survey, CKS | | 58.52000 | | Conshohocken |
| Conshohocken Total | | | Average Depth | 6.5047081 | Feet |
| | | | Total Number of Manholes = | 495 | |
| 213 | 2014 Survey, CKS | 305 | 76.34800 | 66 | Private |
| 465 | 2014 Survey, CKS | 306 | 81.99500 | 72 | Private |
| 449 | 2014 Survey, CKS | 307 | 84.89000 | 66 | Private |
| 448 | 2014 Survey, CKS | 308 | 85.76800 | 60 | Private |
| 147 | 2014 Survey, CKS | 309 | 96.82200 | | Private |
| 146 | 2014 Survey, CKS | 310 | 90.68900 | | Private |
| 0 | | 024 | 0.00000 | | Private |
| 22 | 2014 Survey, CKS | 137A | 165.34800 | | Private |
| 419 | 2014 Survey, CKS | 239 | 204.18400 | 72 | Private |

CONSHOHOCKEN BOROUGH AUTHORITY

APPENDIX 2
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-----|------------------|-------|-----------|-------|---------|
| 420 | 2014 Survey, CKS | 240 | 214.09400 | 90 | Private |
| 348 | 2014 Survey, CKS | 244A | 55.39300 | | Private |
| 394 | 2014 Survey, CKS | 244B | 56.94700 | | Private |
| 349 | 2014 Survey, CKS | 244C | 59.75700 | | Private |
| 350 | 2014 Survey, CKS | 244D | 60.12100 | | Private |
| 339 | 2014 Survey, CKS | 247A | 55.29500 | 72 | Private |
| 340 | 2014 Survey, CKS | 247B | 58.91600 | | Private |
| 341 | 2014 Survey, CKS | 247C | 59.79800 | | Private |
| 338 | 2014 Survey, CKS | 247D | 54.52000 | | Private |
| 343 | 2014 Survey, CKS | 247E | 88.23700 | | Private |
| 346 | 2014 Survey, CKS | 247F | 86.24300 | | Private |
| 344 | 2014 Survey, CKS | 247G | 83.17300 | | Private |
| 345 | 2014 Survey, CKS | 247H | 77.88400 | | Private |
| 243 | 2014 Survey, CKS | 291A | 71.13800 | | Private |
| 0 | 2014 Survey, CKS | 291B | 110.46000 | | Private |
| 0 | Placed | 291C | 0.00000 | 85 | Private |
| 0 | 2014 Survey, CKS | 291D | 96.14000 | 68 | Private |
| 0 | 2014 Survey, CKS | 291E | 117.11000 | 106 | Private |
| 0 | 2014 Survey, CKS | 291F | 114.91000 | | Private |
| 392 | 2014 Survey, CKS | 333A | 97.15400 | | Private |
| 0 | | 333B | 0.00000 | | Private |
| 0 | 2014 Survey, CKS | 333C | 88.86000 | 128 | Private |
| 0 | | 333D | 0.00000 | 40 | Private |
| 0 | 2014 Survey, CKS | 333E | 116.83000 | | Private |
| 0 | | 355A | 0.00000 | | Private |
| 0 | | 394A | 0.00000 | 130 | Private |
| 224 | 2014 Survey, CKS | 394B | 161.21500 | 46 | Private |
| 0 | | 394C | 0.00000 | 132 | Private |
| 0 | | 394D | 0.00000 | | Private |
| 207 | 2014 Survey, CKS | 400 | 166.30100 | | Private |
| 205 | 2014 Survey, CKS | 401 | 163.08500 | | Private |
| 206 | 2014 Survey, CKS | 401A | 171.46400 | | Private |
| 171 | 2014 Survey, CKS | 402 | 194.73000 | 92 | Private |
| 172 | 2014 Survey, CKS | 403 | 192.94000 | 98 | Private |
| 173 | 2014 Survey, CKS | 404 | 186.03100 | 94 | Private |
| 177 | 2014 Survey, CKS | 405 | 167.66200 | 101 | Private |
| 0 | 2014 Survey, CKS | 467 | 102.28000 | | Private |
| 154 | 2014 Survey, CKS | 500 | 99.40800 | | Private |
| 148 | 2014 Survey, CKS | 600 | 111.39200 | | Private |
| 149 | 2014 Survey, CKS | 601 | 110.26400 | | Private |
| 0 | 2014 Survey, CKS | 601A | 111.74000 | | Private |
| 151 | 2014 Survey, CKS | 602 | 98.73100 | | Private |
| 152 | 2014 Survey, CKS | 603 | 98.06700 | | Private |
| 153 | 2014 Survey, CKS | 604 | 96.99500 | | Private |
| 0 | Placed | F-00 | 0.00000 | | Private |
| 232 | 2014 Survey, CKS | F-01 | 100.37300 | | Private |

CONSHOHOCKEN BOROUGH AUTHORITY**APPENDIX 2**
Inventory of Manholes

| REF | SOURCE | MH NO | ELEVATION | DEPTH | OWNER |
|-------|----------------------|-------|-----------------------------------|------------------|-----------|
| 233 | 2014 Survey, CKS | F-02 | 97.27700 | 114 | Private |
| 234 | 2014 Survey, CKS | F-03 | 101.34900 | | Private |
| 231 | 2014 Survey, CKS | F-04 | 108.46800 | 96 | Private |
| 230 | 2014 Survey, CKS | F-05 | 98.32200 | 84 | Private |
| 331 | 2014 Survey, CKS | | 55.21700 | | Private |
| 450 | 2014 Survey, CKS | | 85.20700 | | Private |
| 11924 | Private Total | | Average Depth | 7.2424242 | Feet |
| | | | Total Number of Manholes = | | 60 |
| | Average Depth | | Conshohocken | 6.5319418 | Feet |
| | Average Depth | | Private | 7.2424242 | Feet |