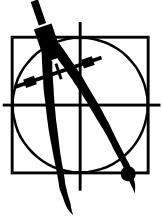


APPENDIX 4

PRELIMINARY WASTEWATER REPORT



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KAATERSKILL ASSOCIATES

Preliminary Wastewater Report

THE WINDHAM MOUNTAIN SPORTING CLUB

SOUTH STREET
TOWN OF WINDHAM
GREENE COUNTY, NY

November, 2011

KA PROJECT 164207.02

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APPENDICES

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Appendix B:	Anticipated Build-Out Spreadsheet
Appendix C:	Report entitled "Wastewater Treatment Plant Evaluation", revised April, 2007 prepared by Delaware Engineering, PC
Appendix D:	Municipal Wastewater Water Usage Data
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Appendix F:	Town of Windham Sewer Collection System Partial Record Plans
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ACCOMPANYING DOCUMENTS

"Preliminary Wastewater Collection Plans for Windham Mountain Sporting Club"
Prepared by Kaaterskill Associates
Dated November, 2011

1.0 INTRODUCTION

1.1 Summary

This report, with the accompanying drawings, presents a preliminary design for the wastewater collection system for the proposed Windham Mountain Sporting Club ("WMSC") project. WMSC is a proposed private sporting club development located east of the existing Windham Mountain Ski Area in the Town of Windham, Greene County, NY.

Issues that are addressed within this report and the accompanying drawings include the following:

- It is proposed to connect WMSC to the Town of Windham Municipal System. The project sewer main will run down Trailside Road to South Street (County Route 12). A new manhole will be installed at the connection point in the existing main along South Street. In addition, approximately 315 feet of existing 8" sewer main, located downstream from the connection point, will be replaced with a new 10" sewer main. Analysis shows that the existing collection system along South Street has sufficient capacity to accommodate the project.
- Alternatives for treatment of wastewater from the project were evaluated. The alternatives included connection to the Windham municipal system, development of a new wastewater treatment facility for the project, and use of on-site septic systems. Connection to the municipal system is the preferred alternative.
- The operation and maintenance of the proposed wastewater system will be the responsibility of a Transportation Corporation established for that purpose.
- Temporary wastewater facilities will be provided during construction.
- Calculated wastewater flow for the project for complete build-out is 94,024 gpd (maximum daily flow). This calculation was based on 300 gpd per residential unit (consistent with the Town of Windham Sewer Use Law) and NYS DEC standards for non-residential uses.
- The majority of the collection system will be conventional gravity sewer collection. In some cases, individual grinder pumps will be needed to pump wastewater from individual buildings to the gravity main. In several locations, small portions of pressure (grinder pump) mains are proposed to serve small groups of homes.
- The collection system does not include a large centralized pump station. Several buildings do include dedicated pump facilities. Typically, these are individual homes or duplexes. Townhouse group TH5 (design flow of 3,000 gpd) and the East Village Lodge (design flow 9,132 gpd) will also have dedicated pump facilities. "Package" grinder pump facilities are proposed.
- The project includes approximately 23,500 feet of conventional gravity sewer and approximately 4,200 feet of pressure sewer collection. In addition to the proposed collection network within WMSC, the preliminary plans also call for replacement of approximately 315 feet of existing 8" sewer main along South Street with a new 10" sewer main.
- The existing Windham Wastewater Treatment Plant has a permitted capacity of 445,000 gpd average daily flow. Prior analysis indicates that the WWTP has the ability to treat 445,000 gpd without modifications. Generally, the treatment process at the WWTP consists of primary clarification, biological treatment, tertiary treatment, and chlorination. Both actual flow data at the WWTP and maximum projected flow values indicate that the WWTP has the ability to accept the project flow without modifications.
- In accordance with the Town of Windham Sewer Use Law and subject to the approval of the Town of Windham, WMSC will enter into a Sewer Use Contract with the Town. The Sewer Use Contract will require a connection fee, as specified in the Sewer Use Law, to compensate the Sewer District for its embedded costs. The Sewer Use Law specifies a connection fee of \$5,000 per EDU, which may be adjusted or modified by resolution of the Town Board. \$5,000 per EDU is equal to \$1,567,000 for the proposed 313.4 EDUs in the project. As described in Article 13 of the Sewer Use Law, these funds may be used

for the periodic replacement of equipment and/or expansion of the Wastewater Treatment Plant if such expansion is ever needed.

1.2 Project Contact Information

The following summarizes contact information related to the wastewater system design:

Applicant: Tuck Eastside Partners, L.P.
34 Salisbury Road
Darien, CT 06820

Engineer: Kaaterskill Associates
PO Box 1020
Cairo, NY 12413
(518)-622-9667
Attn: Darrin Elsom, PE

1.3 Design Approach and Consideration of Alternatives

In general, there are three alternatives available for wastewater collection and treatment for this project:

1. Connection to existing public wastewater system. This is the preferred alternative for WMSC, and the preliminary wastewater system design involves a connection to the Town of Windham municipal system.
2. Development of individual on-site septic systems. This alternative is not considered to be viable for the following reasons:
 - The soil conditions (see Draft Environmental Impact Statement section 3.5) would, in general, require "Raised" septic systems as described in 10 NYCRR Part 75 and Appendix 75-A.
 - Under the NYC DEP Regulations¹ the proposed project is a "Subdivision". The NYC DEP Rules and Regulations do not allow "Raised" septic systems in new "Subdivisions" [NYC DEP Rules and Regulations Section 18-38(a)(5)].
 - Aside from the specific prohibition against raised septic system in "subdivisions" as that term is defined by NYC DEP Rules and Regulations, it is evident (from the site topography, soil conditions, and proposed lot sizes) that the use of on-site septic systems is not a realistic alternative for this project.
3. Creation of a private collection and treatment facility for WMSC. This may be a viable option for WMSC. However, this is not the preferred alternative for the reasons presented below.
 - From the standpoint of management, operation, and maintenance it is preferable to have one consolidated system (the municipal system) as opposed to having the municipal system and a "stand alone" WMSC system.
 - From the standpoint of energy use and resource management it is preferable to have one consolidated system (the municipal system) as opposed to having the municipal system and a "stand alone" WMSC system.

¹ "Rules and Regulations for the Protection from Contamination, Degradation, and Pollution of the New York City Water Supply and its Sources", Effective May 1, 1997 As Amended April 4, 2010.

- From the standpoint of process control and protection of the environment it is preferable to have one consolidated system (the municipal system) as opposed to having the municipal system and a "stand alone" WMSC system.
- From the perspective of cost to WMSC, it is preferable to connect to the municipal system rather than to develop a stand-alone system. Although the total connection fees for the project are in excess of 1.5 million dollars, it is expected that the design and construction of a new wastewater treatment plant would significantly more. (A project-specific estimate has not been developed. It is noted, however, that the DGEIS² states that, in order to comply with NYC Watershed regulations, any wastewater treatment plant will cost in excess of \$1,500,000. This is considered to be a conservative estimate). It is believed that such funds would be better used if they were put at the disposal of the Windham Sewer District rather than used to develop a treatment facility that would be redundant to the Windham facility.

* * * * *

² Draft Generic Environmental Impact Statement of the Development Capacities of the Town of Windham, Sterling Environmental Engineering, PC supplemented October 1, 2009.

2.0 WASTEWATER DESIGN FLOW

2.1 Flow Calculations

The maximum daily design flow was calculated as follows:

143 Single Family Home	300 gpd per unit	42,900 gpd
24 Units in 12 Duplexes	300 gpd per unit	7,200 gpd
54 Townhomes	300 gpd per unit	16,200 gpd
81 Condominiums*	300 gpd per unit	24,300 gpd
Wellness Center	30 users at 8 gpd/user	240 gpd
Member's Lodge Restaurant & Lounge	70 seats at 28 gpd/seat	1,960 gpd
Member's Lodge Spa	24 users at 8 gpd/user	192 gpd
East Village Lodge Grill	30 seats at 28 gpd/seat	840 gpd
East Village Lodge Pool/Exercise	24 users at 8 gpd/user	192 gpd

Maximum Daily Design Flow 94,024 gpd

- * 54 of the condominiums are located in the Member's Lodge and 27 of the condominiums are located in the East Village Lodge

For the proposed residential units, a wastewater flow of 300 gpd was used. This value is established in the Town of Windham Sewer Use Law¹. The values for the restaurant, spa, etc. were derived from the 1988 NYS DEC Standards².

The flow from the project is equal to 313.4 EDUs as defined in the Town of Windham Sewer Use Law.

The 94,024 gpd value is based on peak conditions for 100% occupancy. Average daily flow for the condition of 100% occupancy would be expected to be approximately 2/3 of the maximum daily demand. Realistically, it is expected that the large majority of these homes will not be primary residences, and actual average daily flow will be substantially less than a calculation based on 100% occupancy.

2.2 Anticipated Demand Over Time

Appendix D of this report contains a spreadsheet showing the anticipated build-out of the development, with the corresponding increase in the maximum daily wastewater flow for the project.

¹ Town of Windham Sewer Use Law, Article 13.

² NYS DEC "Design Standards for Wastewater Treatment Works", 1988.

2.3 Wastewater Characteristics

Wastewater from the project is expected to have the characteristics of typical residential wastewater. The table below was adapted from US EPA reference material³ and shows typical residential wastewater characteristics.

Constituent mass loadings and concentrations in typical residential wastewater

Constituent	Mass loading (grams/person/day)	Concentration ^b (mg/L)
Total solids (TS)	115-200	500-880
Volatile solids	65-85	280-375
Total suspended solids (TSS)	35-75	155-330
Volatile suspended solids	25-60	110-265
5-day biochemical oxygen demand (BOD ₅)	35-65	155-286
Chemical oxygen demand (COD)	115-150	500-660
Total nitrogen (TN)	6-17	26-75
Ammonia (NH ₄)	1-3	4-13
Nitrites and nitrates (NO ₂ -N; NO ₃ -N)	<1	<1
Total phosphorus (TP)	1-2	6-12
Fats, oils, and grease	12-18	70-105
Volatile organic compounds (VOC)	0.02-0.07	0.1-0.3
Surfactants	2-4	9-18
Total coliforms (TC)	-	10 ⁸ -10 ¹⁰
Fecal coliforms (FC)	-	10 ⁶ -10 ⁸

* * * * *

^a On-Site Wastewater Treatment Systems Manual, US EPA, February 2002

3.0 WINDHAM MUNICIPAL SYSTEM

3.1 General Information

Appendix C of this report contains an Engineer's Report prepared in 2007 by Delaware Engineering, PC. Section 1.2 of the Delaware Engineering report contains general information regarding the wastewater treatment facilities as they existed in 2007. Subsequent to the preparation of the 2007 report, the permitted capacity of the wastewater treatment plant was increased from 375,000 gpd to 445,000 gpd. Appendix D of this report contains a second analysis of the existing system prepared by Delaware Engineering. These documents, along with the Generic Environmental Impact Statement¹ provide a description of the existing wastewater facilities in the Town of Windham.

3.2 Windham Collection System

Appendix F of this report contains a portion of Record Plans, prepared by Delaware Engineering, for the wastewater collection system along County Route 12 (South Street). The sheets reproduced in Appendix F show the portion from the South Street / Trailside Road intersection to the WWTP located near the western end of South Street.

An analysis of the South Street collection network was performed. The analysis was performed using Sewercad V8i software. The following summarizes the analysis:

1. The existing sewer line that runs from MH n-1 to MH n-2 is an 8" pipe. Downstream from MH n-1, the main becomes a 10" pipe. At MH n5-1 / MH n6-17, the sewer main size increases to 12".
2. It is proposed to install a new manhole (identified as WMSC SMH-001) in the existing sewer main at a point near the intersection of Trailside Road and South Street. The new manhole will be located between existing manholes MH n-1 and MH n-2.
3. It is proposed to remove the 8" pipe downstream from proposed WMSC SMH-001 and replace it with a 10" pipe to MH n-1 (approximately 315 LF of pipe will be replaced).
4. Flow in the South Street system was calculated based on the following values:
 - Hensonville Pump Station = 103,000 gpd (projected value after connection of Crystal Pond, as per Section 2.2 of Delaware Engineering report contained in Appendix C).
 - Stonewall Glen = 61 EDUs
 - Copper Ridge = 12 EDUs
 - WMSC = 94,204 gpd (313.4 EDUs)
 - Windham Mountain = 120,000 gpd (contract amount)
 - Windham Mountain Village = 30,500 gpd (contract amount)
 - Additional South Street Users = 20 EDUs (estimated in part from information provided by Delaware Engineering, and not including users whose wastewater flows to the Hensonville Pump Station).

These seven sources equate to a flow of 375,424 gpd. This is a worst-case condition corresponding to (a) complete build-out of the proposed developments, (b) 100% occupancy in the proposed developments, and (c) flow from the consolidated systems equal to 100% of their maximum permissible flow.

¹ Draft Generic Environmental Impact Statement, Supplemented October 1, 2009, Sterling Environmental Engineering, PC

5. Appendix G of this report contains excerpts from "Ten State Standards"². This reference indicates a typical value of 100 gallons per capita per day. Based on this, the 375,424 gpd is essentially equivalent to a population of 3,754. Using Figure 1 from Ten State Standards (reproduced in Appendix G), the appropriate peak factor for this magnitude of flow is 3.3.
6. The Sewercad analysis was performed for a section of sewer main running from existing manhole MH n-2 (upstream end) to existing manhole MH n6-15 (downstream end). The analysis assumed that MH n-16 was an outfall. The Sewercad analysis did not include the system downstream from manhole MH n-16. The sewer main downstream from MH n-16 is 12" diameter, and there are no significant flow additions downstream from MH n-16, so a pipe-by-pipe analysis was not performed downstream of MH n-16. See also discussion in items 9 and 10 below. .
7. The following table summarizes the data used in the analysis, based on the methodology described above:

<u>Source</u>	<u>EDUs</u>	<u>Contract or Estimate</u>	<u>GPD</u>	<u>Peak Factor</u>	<u>Q (gpm)</u>	<u>Connection Point Used in Analysis</u>
Hensonville PS		103,000	103,000	3.3	236.04	MH n-2
Stonewall Glen	61.0		18,300	3.3	41.94	MH n-2
Copper Ridge	12.0		3,600	3.3	8.25	MH n-2
Other Flows	20.0		6,000	3.3	13.75	MH n-2
Windham Mountain		120,000	120,000	3.3	275.00	MH n5-1
WMV		30,500	30,500	3.3	69.90	MH n5-1
WMSC	313.4		94,024	3.3	215.47	WMSC SMH-002
			375,424		860.35	

8. Appendix F of this report contains a spreadsheet that summarizes the results of the analysis. Based on the assumptions included in the analysis, the section of sewer main running from existing manhole MH n-2 (upstream end) to existing manhole MH n6-15 (downstream end) has the capacity to accept flow from a built-out condition under worst case assumed conditions, with the replacement of approximately 315 lf of 8" main with a new 10" main.
9. The sewer main downstream from MH n-16 is 12" diameter, and even at the minimum allowable slope specified in 10 State Standards (0.0022 ft/ft) the capacity of a 12" pipe exceeds the projected worst case flow. (The projected worst case flow is 860.35 gpm. Using Manning's Formula with a Manning's "n" of 0.11, a 12" pipe has a maximum capacity of 951 gpm corresponding to a flow depth of approximately 11").
10. The analysis shows that portions of the 10" main along South Street in the vicinity of the project may have flows on the order of 80%-85% of capacity, and that some portions of the 12" main located west of Windham Mountain may have flows on the order of 90%+ of capacity. It is important to realize that these calculations are based on worst-case projections which result in substantially higher flows are reasonably expected to occur. The analysis assumes:
 - All of the proposed/approved projects on South Street are built-out.
 - All of the proposed projects are discharging wastewater equal to their maximum daily flows calculated on 100% occupancy.
 - All of the consolidated systems are discharging flows equal to their maximum permitted flow.

² Recommended Standards for Wastewater Facilities Great Lakes – Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers, 2004 Edition

Realistically, actual flows will be substantially less than the flow values used in the analysis. [Consider, for example, Windham Mountain Village which has a contracted allowance of 30,500 gpd but which in actuality shows a peak discharge (monthly average flow) of approximately 13,000 gpd or less (see data contained in Appendix E). The same would be expected of any development that has a low percentage of full time residents, including Stonewall Glen, Copper Ridge, and Crystal Pond (which is included in the Hensonville Pump Station Flow)].

The conclusions of the analysis are:

- Using worst case assumptions, the South Street system (with the replacement of approximately 315 LF of existing 8" main) has the capacity to handle the calculated flows, with a small amount of excess capacity remaining.
- For realistic flow projections (as opposed to worst case assumptions) the South Street system has the capacity to handle the calculated flows, with a substantial amount of excess capacity remaining.

3.3 Windham Treatment Facility

3.3.1 Permitted Limits

The existing Wastewater Treatment Plant (WWTP) has the following limits set forth by its SPDES permit issued by NYS DEC³

Parameter	Permit Limits (June 1 - Oct 31)	Permit Limits (Nov 1 - May 31)
Average Daily Flow	445,000 gpd	445,000 gpd
BOD ₅	-	30 mg/l
BOD _{ultimate}	121 lbs/day	-
Ammonia	13 lbs/day	-
Total Phosphorus	0.5 mg/l as P	0.5 mg/l as P
Dissolved Oxygen	7.0 mg/l	7.0 mg/l
Suspended Solids	10.0 mg/l	10.0 mg/l
Settleable Solids	0.1 mg/l	0.1 mg/l
Chlorine, Total Residual	0.2 mg/l	0.2 mg/l
Fecal Coliform (30 day geometric mean)	200 per 100 ml	200 per 100 ml
Fecal Coliform (7 day geometric mean)	400 per 100 ml	400 per 100 ml

In 2007 Delaware Engineering prepared a report⁴ describing the treatment processes at the WWTP and evaluating the ability of the WWTP to treat the 445,000 gpd flow. The 2007 report was prepared in relation to the addition of flow from Crystal Pond and the Windham Ridge Club into the WWTP, with a corresponding increase in the permitted WWTP discharge from 375,000 gpd to 445,000 gpd which took place in 2008. The 2007 report is reproduced in Appendix C of this report. This report concluded that the WWTP could treat 445,000 gpd without any modifications.

³ Draft Environmental Impact Statement on the Development Capacities of the Town of Windham, Sterling Environmental PC, Supplemented October 1, 2009.

⁴ Wastewater Treatment Plant Evaluation, Delaware Engineering PC, January 2, 2007. See Appendix C.

3.3.2 Historical WWTP Flow

Appendix D of this report includes graphs which summarize the Monthly Average Wastewater Flows at the WWTP from the period of January 2006 through October of 2011. For this period, the highest monthly average flow was approximately 250,000 gpd, which occurred in March of 2010. This is approximately 195,000 gpd less than the permitted discharge of 445,000 gpd. (It is also worth noting that, apart from the 250,000± gpd monthly average in on March of 2010, no monthly average flow exceeded 205,000 gpd).

3.3.3 SPDES Permit and Contract Flow

In September of 2008 Delaware Engineering completed an analysis of the treatment plant flow. This analysis is described in a letter dated September 22, 2008, which is reproduced in Appendix E of this report. The Delaware Engineering letter included the following summary of the SPDES Permit and contract flows values for "each of the consolidated wastewater systems which have been or will soon be connected to the overall collection system". The following table is adapted from the September 2008 analysis:

Treatment System	SPDES Permit & Contract Flow (gpd)	Date Connected to Windham WWTP
Windham WWTP	445,000	Started on 11/14/05
Ski Windham	120,000	05/22/06
Windham Mountain Village	30,500	05/14/07
Thompson House	4,775	05/31/06
Crystal Pond	36,000	Not Connected*
Windham Ridge Club	34,000	Not Connected*

* Not Connected as of September 2008, subsequently connected in 2008 & 2009.

This analysis includes a projection of "Maximum Capacity Flow", which includes the following assumptions:

- All 5 of the consolidated wastewater systems generate flows which would "maximize allowable permitted flows", and
- 113 additional properties within the district (which were not connected in 2008) were to be connected to the WWTP.

Based on these two assumptions, the analysis presents a "Maximum Projected Flow" of approximately 350,000 gpd, and notes a remaining capacity of approximately 100,000 gpd at the Wastewater Treatment Plant.

3.3.4 Conclusions

- The existing WWTP has a permitted capacity of 445,000 gpd Average Daily Flow.
- Based on the 2007 Engineering Report prepared by Delaware Engineering, the facility has the ability to satisfactorily treat 445,000 gpd Average Daily Flow without any modifications to the WWTP.
- Actual flow data to the treatment plant shows that actual flows (monthly average flows) are typically below 200,000 gpd, with a highest single monthly average flow of 250,000 gpd occurring in March of 2010.
- Based on the assumptions that all contracted users maximize allowable permitted flows and that all properties within the district are connected, the remaining capacity at the WWTP would still be approximately 100,000 gpd.

- The proposed project has a maximum daily design flow of 94,024 gpd, which represents 100% occupancy conditions at complete build-out.
- Both the actual flow data from the plant and the projected Maximum Capacity Flow show that WWTP is sufficient to accept flow from the proposed project without modifications or expansion.
- In the event that future expansion of the treatment plant is needed, the project will help fund that project through the mechanism established in the Town of Windham Sewer Use Law.

* * * * *

4.0 WMSC SYSTEM

4.1 General Description

The proposed wastewater collection system will consist primarily of conventional gravity collection. All of the proposed gravity collection pipes are 8" diameter. All wastewater from the project will flow to a main trunk line that runs down Trailside Road to South Street. The proposed sewer line will connect to the existing sewer main along South Street. A new manhole will be installed at the connection point. Approximately 315 lf of the 8" main along South Street will be replaced with 10" main as discussed in Section 3 of this report.

Some small portions of the WMSC wastewater collection system will be pressure (grinder pump) sewers. Typically, these areas are along short roads or shared driveways that are at a lower elevation than the main road. The locations of the pressure sewers are shown on the accompanying drawings. The project includes approximately 23,500 feet of conventional gravity sewer and approximately 4,200 feet of pressure sewer collection.

Several of the homes will need grinder pumps in order to pump wastewater to the gravity sewer main. The accompanying drawings identify which homes will need grinder pumps. In addition to the individual homes and duplexes that need grinder pumps, Townhouse group TH5 (design flow 3,000 gpd) and the East Village Lodge (design flow 9,132 gpd) will have dedicated grinder pump facilities to pump wastewater to the gravity main. The accompanying drawings show typical pump station designs to be used as needed.

4.2 Hydraulic Analysis

A Hydraulic Analysis of the sewer collection system was performed using Sewercad V8i software. The analysis is described as follows:

- The analysis was performed in the sections, which are identified as Phase 1A, Phase 1B, and Phase 2&3. Appendix A of this report shows systems schematics for each of these sections.
- Where several houses are served by a pressure (grinder pump) main that discharges into the collection main, the mathematical model considers these houses to be directly connected to the main. The hydraulics of the pressure sewers were not evaluated in the preliminary analysis.
- A Manning's "n" of 0.011 was used for the proposed sewer pipes. All of the proposed gravity mains are 8" diameter.
- Each EDU in the development was assigned to a specific manhole in the collection system. Each junction was assigned a peak flow rate of 0.83 gpm (based on 300 gpd per EDU and a peak factor of 4).
- Appendix A of this report includes three schematic drawings that show the three sections of the hydraulic analysis.
- Appendix A also includes spreadsheets that summarize the hydraulic conditions in the system. The analysis shows average velocities ranging from 0.98 fps to 12.03 fps (it is noted that Ten State Standards specify a minimum velocity of 2.0 fps when the pipe is flowing full. The values shown in Appendix A represent flow at peak flow conditions, not full flow conditions). The analysis also shows that peak flows within each pipe will be less than 30% of the pipe capacity.

* * * * *

5.0 ADDITIONAL ISSUES

5.1 Operation and Maintenance

A Transportation Corporation will be formed for the purpose of operating and maintaining the wastewater collection system.

Normal system O&M will include the following:

- Annual manhole inspections to identify concerns which may include accumulation of debris or likelihood of a source of infiltration.
- Pipe cleaning or repair as needed based on findings of annual inspections.
- Maintenance of grinder pumps in accordance with manufacturer's recommendations.

5.2 Temporary Facilities During Construction

Portable sanitary facilities will be made available to construction personnel and will be serviced regularly. Each builder shall be responsible for providing and maintaining adequate sanitary facilities for Builder's construction workers. Portable toilet(s) shall be located only within the Building Envelope or in an area approved by the Windham Mountain Sporting Club Architectural Review Board.

5.3 System Phasing

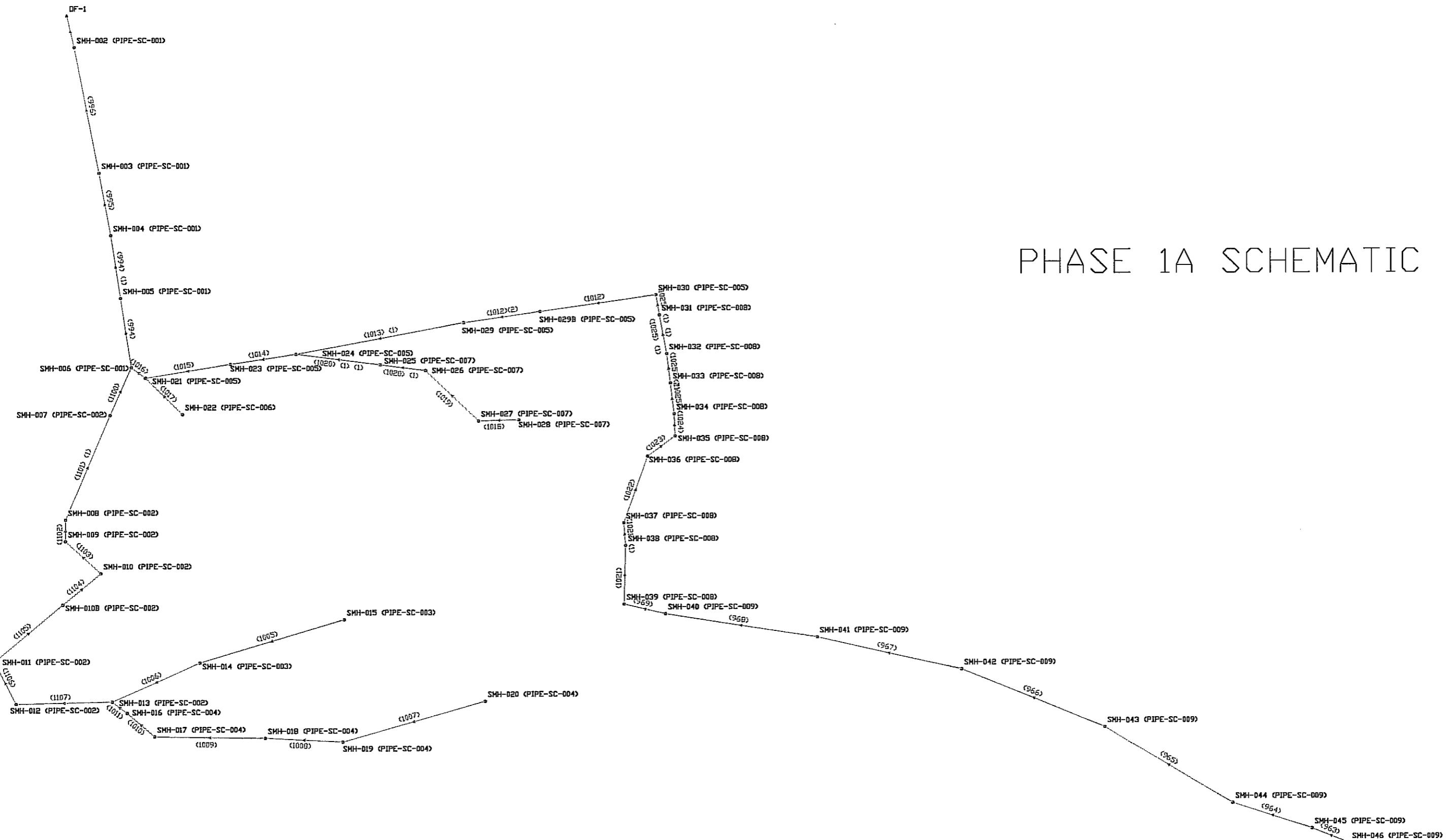
In general, the phased implementation of the wastewater system will track the overall phased implementation of the project. This is presented in more detail in the project phasing plans prepared by The LA Group, dated November 2011

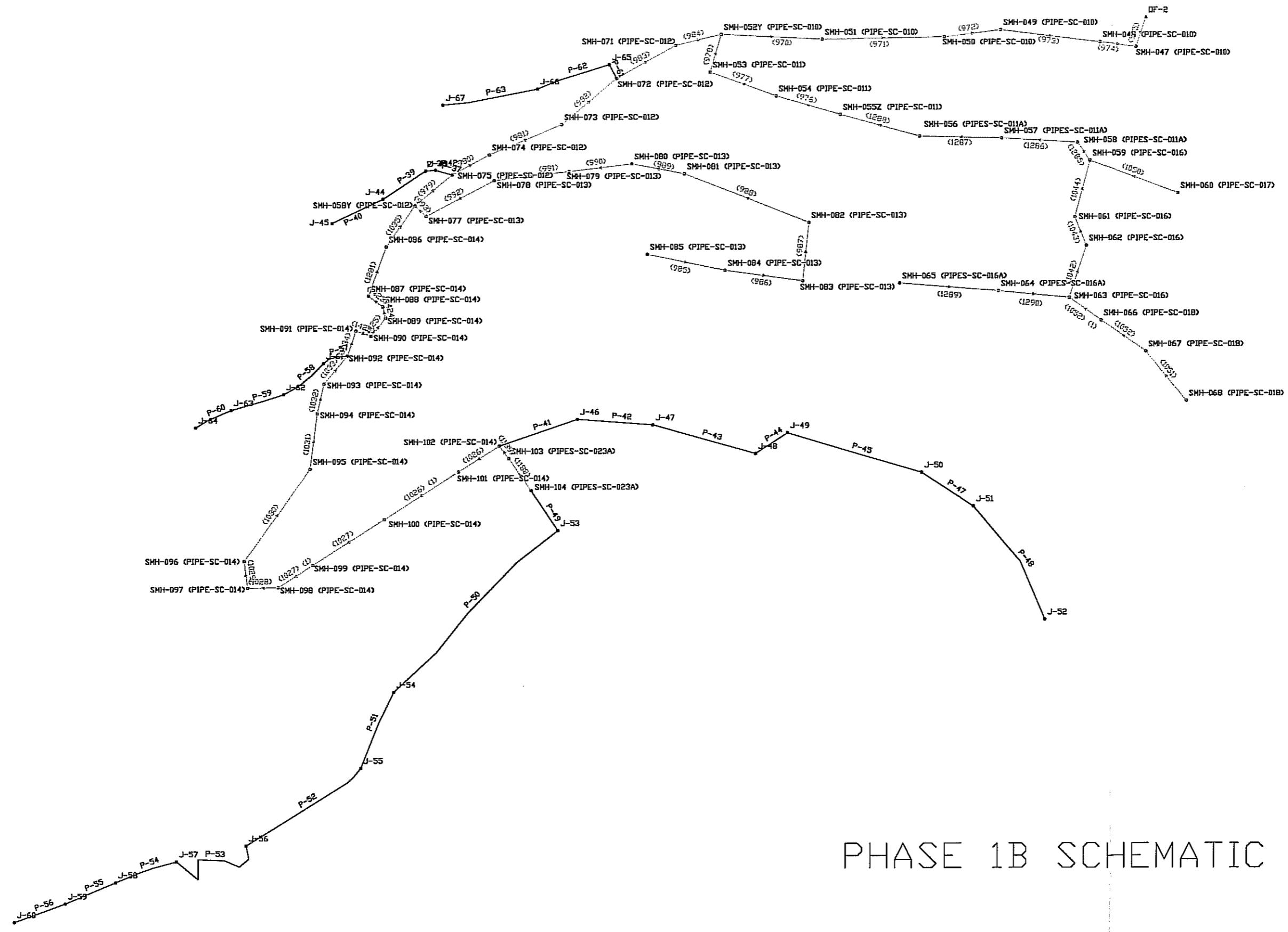
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Appendix A

Collection System Hydraulic Summary

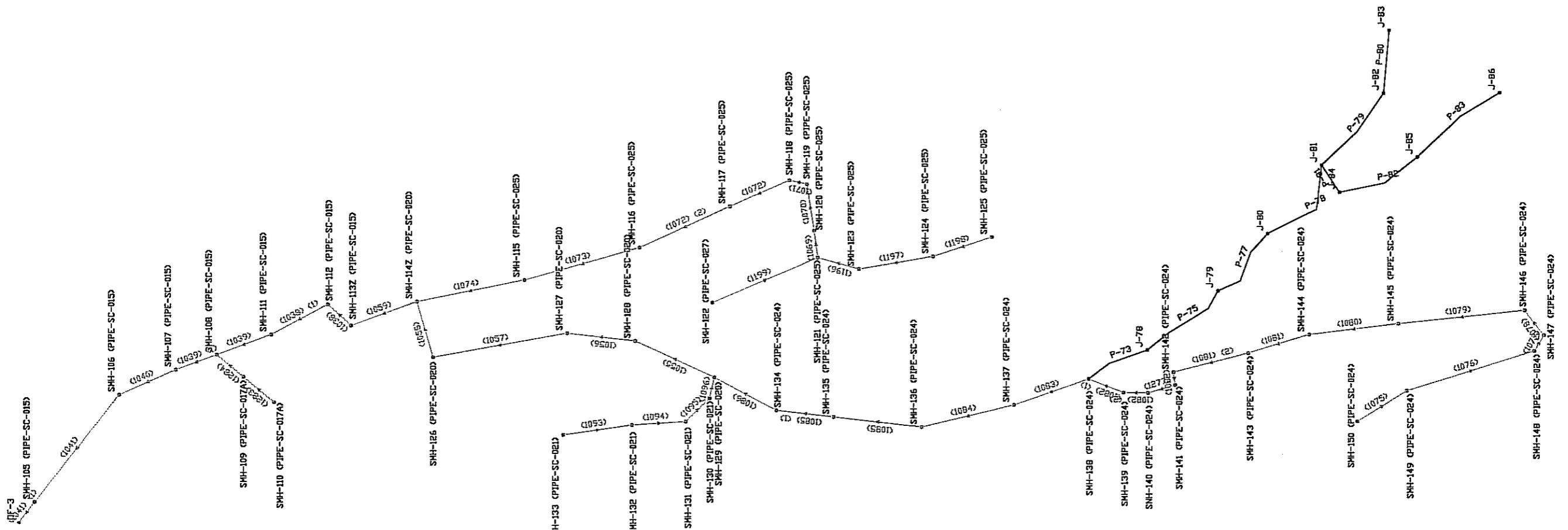
PHASE 1A SCHEMATIC





PHASE 1B SCHEMATIC

PHASES 2&3 SCHEMATIC



PHASE 1A PIPE SUMMARY

Label	Start Node	Invert (Start)	Invert (Stop)	Diam.(ft)	Flow (gpm)	Length (ft)	Slope (ft/ft)	Capacity (Full Flow) (gpm)	Velocity (Avg) (ft/s)	% Full
Pipe - (963) (PIPE-SC-009)	SMH-046 (PIPE-SC-009)	2,062.05	2,056.44	8	216.2	104.4	0.054	1,485.7	6.76	15%
Pipe - (964) (PIPE-SC-009)	SMH-045 (PIPE-SC-009)	2,056.34	2,030.78	8	216.2	215.4	0.119	2,208.0	8.96	10%
Pipe - (965) (PIPE-SC-009)	SMH-044 (PIPE-SC-009)	2,030.68	1,985.30	8	216.2	386.8	0.117	2,195.4	8.92	10%
Pipe - (966) (PIPE-SC-009)	SMH-043 (PIPE-SC-009)	1,985.20	1,942.03	8	216.2	399.0	0.108	2,108.4	8.67	10%
Pipe - (967) (PIPE-SC-009)	SMH-042 (PIPE-SC-009)	1,941.93	1,905.71	8	216.2	382.7	0.095	1,971.7	8.27	11%
Pipe - (968) (PIPE-SC-009)	SMH-041 (PIPE-SC-009)	1,905.61	1,867.17	8	218.7	396.6	0.097	1,995.5	8.37	11%
Pipe - (969) (PIPE-SC-009)	SMH-040 (PIPE-SC-009)	1,867.07	1,852.54	8	218.7	111.0	0.131	2,318.8	9.30	9%
Pipe - (994) (1) (PIPE-SC-001)	SMH-005 (PIPE-SC-001)	1,631.84	1,607.79	8	261.2	164.9	0.146	2,448.1	10.18	11%
Pipe - (994) (PIPE-SC-001)	SMH-006 (PIPE-SC-001)	1,648.41	1,631.94	8	261.2	180.6	0.091	1,935.8	8.62	13%
Pipe - (995) (PIPE-SC-001)	SMH-004 (PIPE-SC-001)	1,607.69	1,595.05	8	261.2	163.6	0.077	1,781.8	8.13	15%
Pipe - (996) (PIPE-SC-001)	SMH-003 (PIPE-SC-001)	1,594.95	1,581.51	8	261.2	329.4	0.041	1,294.7	6.47	20%
Pipe - (1005) (PIPE-SC-003)	SMH-015 (PIPE-SC-003)	1,819.44	1,815.71	8	7.5	386.3	0.010	629.8	1.35	1%
Pipe - (1006) (PIPE-SC-003)	SMH-014 (PIPE-SC-003)	1,815.61	1,813.18	8	10.0	247.7	0.010	634.9	1.49	2%
Pipe - (1007) (PIPE-SC-004)	SMH-020 (PIPE-SC-004)	1,894.29	1,888.55	8	1.7	381.2	0.015	786.6	1.00	0%
Pipe - (1008) (PIPE-SC-004)	SMH-019 (PIPE-SC-004)	1,888.45	1,867.77	8	1.7	199.1	0.104	2,065.8	2.01	0%
Pipe - (1009) (PIPE-SC-004)	SMH-018 (PIPE-SC-004)	1,867.67	1,825.02	8	2.5	290.3	0.147	2,456.6	2.54	0%
Pipe - (1010) (PIPE-SC-004)	SMH-017 (PIPE-SC-004)	1,824.92	1,814.24	8	3.3	93.8	0.114	2,163.3	2.51	0%
Pipe - (1011) (PIPE-SC-004)	SMH-016 (PIPE-SC-004)	1,814.14	1,813.28	8	3.3	48.2	0.018	855.9	1.32	0%
Pipe - (1013) (1) (PIPE-SC-005)	SMH-029 (PIPE-SC-005)	1,665.04	1,658.85	8	228.7	377.4	0.016	820.9	4.48	28%
Pipe - (1014) (PIPE-SC-005)	SMH-024 (PIPE-SC-005)	1,658.75	1,653.97	8	232.0	169.8	0.028	1,075.4	5.47	22%
Pipe - (1015) (PIPE-SC-005)	SMH-023 (PIPE-SC-005)	1,653.87	1,649.43	8	232.0	224.5	0.020	901.4	4.82	26%
Pipe - (1016) (PIPE-SC-005)	SMH-021 (PIPE-SC-005)	1,649.23	1,648.51	8	240.3	45.2	0.016	809.3	4.50	30%
Pipe - (1017) (PIPE-SC-006)	SMH-022 (PIPE-SC-006)	1,662.22	1,649.33	8	8.3	135.4	0.095	1,977.3	3.13	0%
Pipe - (1018) (PIPE-SC-007)	SMH-028 (PIPE-SC-007)	1,724.43	1,720.15	8	1.7	103.3	0.041	1,304.4	1.43	0%
Pipe - (1019) (PIPE-SC-007)	SMH-027 (PIPE-SC-007)	1,720.05	1,684.78	8	3.3	191.5	0.184	2,750.6	2.98	0%
Pipe - (1020) (1) (PIPE-SC-007)	SMH-025 (PIPE-SC-007)	1,669.88	1,658.95	8	3.3	218.0	0.050	1,435.1	1.88	0%
Pipe - (1020) (1) (PIPE-SC-007)	SMH-026 (PIPE-SC-007)	1,684.68	1,669.96	8	3.3	119.4	0.123	2,250.6	2.58	0%
Pipe - (1021) (1) (PIPE-SC-008)	SMH-038 (PIPE-SC-008)	1,819.59	1,805.10	8	220.3	60.4	0.240	3,140.4	11.55	7%

Pipe - (1021) (PIPE-SC-008)	SMH-039 (PIPE-SC-008)	1,851.91	1,819.69	8	218.7	154.2	0.209	2,929.4	11.00	7%
Pipe - (1022) (PIPE-SC-008)	SMH-037 (PIPE-SC-008)	1,805.00	1,754.43	8	222.0	189.2	0.267	3,314.0	12.03	7%
Pipe - (1023) (PIPE-SC-008)	SMH-036 (PIPE-SC-008)	1,754.33	1,742.66	8	222.0	88.9	0.131	2,322.3	9.35	10%
Pipe - (1024) (PIPE-SC-008)	SMH-035 (PIPE-SC-008)	1,738.75	1,736.75	8	222.0	57.0	0.035	1,200.8	5.84	18%
Pipe - (1025) (1) (PIPE-SC-008)	SMH-031 (PIPE-SC-008)	1,683.57	1,677.73	8	225.3	52.8	0.111	2,131.0	8.84	11%
Pipe - (1025) (1) (PIPE-SC-008)	SMH-032 (PIPE-SC-008)	1,709.56	1,683.67	8	223.7	105.1	0.246	3,180.7	11.71	7%
Pipe - (1025) (2) (PIPE-SC-008)	SMH-033 (PIPE-SC-008)	1,712.97	1,709.66	8	223.7	75.6	0.044	1,341.5	6.36	17%
Pipe - (1025) (PIPE-SC-008)	SMH-034 (PIPE-SC-008)	1,736.65	1,718.48	8	222.0	82.0	0.222	3,017.7	11.23	7%
Pipe - (1100) (PIPE-SC-002)	SMH-007 (PIPE-SC-002)	1,654.83	1,648.61	8	20.8	134.3	0.046	1,379.5	3.21	2%
Pipe - (1101) (1) (PIPE-SC-002)	SMH-008 (PIPE-SC-002)	1,696.42	1,660.19	8	20.8	294.1	0.123	2,249.5	4.47	1%
Pipe - (1102) (PIPE-SC-002)	SMH-009 (PIPE-SC-002)	1,706.05	1,700.38	8	20.0	55.6	0.102	2,047.5	4.14	1%
Pipe - (1103) (PIPE-SC-002)	SMH-010 (PIPE-SC-002)	1,740.45	1,709.11	8	20.0	127.4	0.246	3,179.2	5.64	1%
Pipe - (1104) (PIPE-SC-002)	SMH-010B (PIPE-SC-002)	1,749.66	1,740.55	8	19.2	126.9	0.072	1,717.3	3.62	1%
Pipe - (1105) (PIPE-SC-002)	SMH-011 (PIPE-SC-002)	1,768.85	1,754.50	8	19.2	229.3	0.063	1,603.4	3.45	1%
Pipe - (1106) (PIPE-SC-002)	SMH-012 (PIPE-SC-002)	1,788.86	1,768.95	8	15.8	124.2	0.160	2,565.9	4.52	1%
Pipe - (1107) (PIPE-SC-002)	SMH-013 (PIPE-SC-002)	1,813.08	1,788.96	8	14.2	248.5	0.097	1,996.9	3.67	1%
Pipe - SC001-1 (PIPE-SC-001)	SMH-002 (PIPE-SC-001)	1,581.41	1,577.96	8	261.2	84.3	0.041	1,296.8	6.47	20%
PIPE (1012) (PIPE-SC-005)	SMH-030 (PIPE-SC-005)	1,673.52	1,668.97	8	228.7	305.9	0.015	781.7	4.33	29%
PIPE (1012)(2)(PIPE-SC-005)	SMH-029B (PIPE-SC-005)	1,668.87	1,665.14	8	228.7	254.3	0.015	776.3	4.31	29%

PHASE 1B PIPE SUMMARY

Label	Start Node	Invert (Start)	Invert (Stop)	Diam. (in)	Flow (gpm)	Length (ft)	Slope (ft/ft)	Capacity (Full Flow) (gpm)	Velocity (Avg) (ft/s)	% Full
		(ft)	(ft)	(in)	(gpm)	(ft)	(ft/ft)	(gpm)	(ft/s)	% Full
Pipe - (970) (PIPE-SC-010)	SMH-052Y (PIPE-SC-010)	2,166.98	2,146.34	8	125.0	250.1	0.083	1,841.3	6.71	7%
Pipe - (971) (PIPE-SC-010)	SMH-051 (PIPE-SC-010)	2,146.24	2,111.55	8	125.0	298.5	0.116	2,185.0	7.56	6%
Pipe - (972) (PIPE-SC-010)	SMH-050 (PIPE-SC-010)	2,111.45	2,099.35	8	125.0	139.8	0.087	1,885.9	6.82	7%
Pipe - (973) (PIPE-SC-010)	SMH-049 (PIPE-SC-010)	2,099.27	2,080.09	8	125.0	245.1	0.078	1,793.1	6.58	7%
Pipe - (974) (PIPE-SC-010)	SMH-048 (PIPE-SC-010)	2,079.99	2,072.24	8	125.0	88.9	0.087	1,892.6	6.84	7%
Pipe - (975) (PIPE-SC-010)	SMH-047 (PIPE-SC-010)	2,072.14	2,064.97	8	125.0	76.7	0.093	1,959.3	7.01	6%
Pipe - (976) (PIPE-SC-011)	SMH-055Z (PIPE-SC-011)	2,198.66	2,194.51	8	22.5	165.2	0.025	1,015.8	2.65	2%
Pipe - (977) (PIPE-SC-011)	SMH-054 (PIPE-SC-011)	2,194.41	2,177.80	8	22.5	172.4	0.096	1,989.3	4.21	1%
Pipe - (978) (PIPE-SC-011)	SMH-053 (PIPE-SC-011)	2,177.70	2,167.08	8	22.5	96.6	0.110	2,125.8	4.41	1%
Pipe - (979) (PIPE-SC-012)	SMH-058Y (PIPE-SC-012)	2,252.94	2,245.05	8	97.5	118.4	0.067	1,654.3	5.78	6%
Pipe - (980) (PIPE-SC-012)	SMH-075 (PIPE-SC-012)	2,244.95	2,237.13	8	99.2	103.7	0.075	1,760.4	6.07	6%
Pipe - (981) (PIPE-SC-012)	SMH-074 (PIPE-SC-012)	2,237.03	2,217.37	8	99.2	192.5	0.102	2,048.1	6.75	5%
Pipe - (982) (PIPE-SC-012)	SMH-073 (PIPE-SC-012)	2,217.27	2,194.38	8	100.8	179.1	0.128	2,291.1	7.36	4%
Pipe - (983) (PIPE-SC-012)	SMH-072 (PIPE-SC-012)	2,194.18	2,178.62	8	102.5	166.0	0.094	1,962.1	6.61	5%
Pipe - (984) (PIPE-SC-012)	SMH-071 (PIPE-SC-012)	2,178.52	2,169.96	8	102.5	113.2	0.076	1,761.7	6.13	6%
Pipe - (985) (PIPE-SC-013)	SMH-085 (PIPE-SC-013)	2,305.79	2,305.04	8	11.5	192.3	0.004	400.3	1.13	3%
Pipe - (986) (PIPE-SC-013)	SMH-084 (PIPE-SC-013)	2,304.94	2,304.26	8	11.5	193.3	0.004	380.2	1.09	3%
Pipe - (987) (PIPE-SC-013)	SMH-083 (PIPE-SC-013)	2,298.17	2,274.24	8	11.5	145.3	0.165	2,601.1	4.12	0%
Pipe - (988) (PIPE-SC-013)	SMH-082 (PIPE-SC-013)	2,271.66	2,270.37	8	14.0	327.5	0.004	402.3	1.20	3%
Pipe - (989) (PIPE-SC-013)	SMH-081 (PIPE-SC-013)	2,270.27	2,264.66	8	14.8	130.1	0.043	1,331.2	2.80	1%
Pipe - (990) (PIPE-SC-013)	SMH-080 (PIPE-SC-013)	2,261.30	2,258.77	8	16.5	156.2	0.016	815.7	2.07	2%
Pipe - (991) (PIPE-SC-013)	SMH-079 (PIPE-SC-013)	2,258.67	2,257.95	8	17.3	184.3	0.004	400.7	1.28	4%
Pipe - (992) (PIPE-SC-013)	SMH-078 (PIPE-SC-013)	2,257.85	2,254.19	8	19.0	187.1	0.020	896.4	2.31	2%
Pipe - (993) (PIPE-SC-013)	SMH-077 (PIPE-SC-013)	2,253.18	2,253.04	8	19.0	37.8	0.004	389.3	1.29	5%
Pipe - (1026)(1) (PIPE-SC-014)	SMH-101 (PIPE-SC-014)	2,393.71	2,371.30	8	75.2	217.8	0.103	2,055.8	6.23	4%
Pipe - (1026) (PIPE-SC-014)	SMH-102 (PIPE-SC-014)	2,397.57	2,393.81	8	75.2	117.4	0.032	1,147.0	4.14	7%
Pipe - (1027)(1) (PIPE-SC-014)	SMH-099 (PIPE-SC-014)	2,346.83	2,338.40	8	75.2	102.4	0.082	1,838.7	5.75	4%
Pipe - (1027) (PIPE-SC-014)	SMH-100 (PIPE-SC-014)	2,371.20	2,346.93	8	75.2	207.6	0.117	2,191.8	6.52	3%

Pipe - (1028) (PIPE-SC-014)	SMH-098 (PIPE-SC-014)	2,338.30	2,332.94	8	75.2	74.8	0.072	1,716.3	5.50	4%
Pipe - (1029) (PIPE-SC-014)	SMH-097 (PIPE-SC-014)	2,332.84	2,328.22	8	75.2	66.0	0.070	1,696.3	5.46	4%
Pipe - (1030) (PIPE-SC-014)	SMH-096 (PIPE-SC-014)	2,328.12	2,308.02	8	75.2	278.5	0.072	1,722.1	5.51	4%
Pipe - (1031) (PIPE-SC-014)	SMH-095 (PIPE-SC-014)	2,307.92	2,297.82	8	76.0	136.8	0.074	1,741.3	5.58	4%
Pipe - (1032) (PIPE-SC-014)	SMH-094 (PIPE-SC-014)	2,297.72	2,292.21	8	76.0	74.4	0.074	1,744.4	5.58	4%
Pipe - (1033) (PIPE-SC-014)	SMH-093 (PIPE-SC-014)	2,292.11	2,284.79	8	76.0	90.9	0.080	1,818.5	5.75	4%
Pipe - (1034) (PIPE-SC-014)	SMH-092 (PIPE-SC-014)	2,284.59	2,280.43	8	78.5	63.2	0.066	1,644.8	5.40	5%
Pipe - (1035) (PIPE-SC-014)	SMH-086 (PIPE-SC-014)	2,263.57	2,253.14	8	78.5	123.1	0.085	1,866.0	5.91	4%
Pipe - (1042) (PIPE-SC-016)	SMH-063 (PIPE-SC-016)	2,271.85	2,250.85	8	14.2	135.8	0.155	2,520.9	4.33	1%
Pipe - (1043) (PIPE-SC-016)	SMH-062 (PIPE-SC-016)	2,250.75	2,232.01	8	14.2	77.7	0.241	3,148.5	5.03	0%
Pipe - (1044) (PIPE-SC-016)	SMH-061 (PIPE-SC-016)	2,231.91	2,204.37	8	14.2	145.6	0.189	2,787.5	4.64	1%
Pipe - (1050) (PIPE-SC-017)	SMH-060 (PIPE-SC-017)	2,208.08	2,204.47	8	2.5	229.7	0.016	803.6	1.14	0%
Pipe - (1051) (PIPE-SC-018)	SMH-068 (PIPE-SC-018)	2,285.51	2,283.98	8	4.2	156.4	0.010	634.0	1.14	1%
Pipe - (1052) (1) (PIPE-SC-018)	SMH-066 (PIPE-SC-018)	2,283.16	2,275.48	8	5.8	97.1	0.079	1,803.0	2.59	0%
Pipe - (1052) (PIPE-SC-018)	SMH-067 (PIPE-SC-018)	2,283.88	2,283.27	8	5.8	132.3	0.005	437.1	0.98	1%
Pipe - (1188) (PIPES-SC-023A)	SMH-104 (PIPES-SC-023A)	2,443.10	2,401.93	8	3.3	105.6	0.390	4,002.8	3.93	0%
Pipe - (1189) (PIPES-SC-023A)	SMH-103 (PIPES-SC-023A)	2,398.28	2,397.67	8	54.3	38.1	0.016	810.6	2.94	7%
Pipe - (1281) (PIPE-SC-014)	SMH-087 (PIPE-SC-014)	2,271.25	2,263.67	8	78.5	127.7	0.059	1,561.6	5.20	5%
Pipe - (1285) (PIPES-SC-011A)	SMH-059 (PIPES-SC-016)	2,204.37	2,204.06	8	16.7	54.0	0.006	485.6	1.45	3%
Pipe - (1286) (PIPES-SC-011A)	SMH-058 (PIPES-SC-011A)	2,203.96	2,200.53	8	18.3	184.5	0.019	873.8	2.24	2%
Pipe - (1287) (PIPES-SC-011A)	SMH-057 (PIPES-SC-011A)	2,200.43	2,199.65	8	20.0	200.8	0.004	399.5	1.33	5%
Pipe - (1288) (PIPES-SC-011A)	SMH-056 (PIPES-SC-011A)	2,199.55	2,198.76	8	21.7	198.9	0.004	404.0	1.37	5%
Pipe - (1289) (PIPES-SC-016A)	SMH-065 (PIPES-SC-016A)	2,301.74	2,292.22	8	5.0	242.3	0.039	1,270.5	1.96	0%
Pipe - (1290) (PIPES-SC-016A)	SMH-064 (PIPES-SC-016A)	2,292.12	2,275.85	8	6.7	173.6	0.094	1,961.9	2.92	0%
Pipe - (1423) (PIPE-SC-014)	SMH-088 (PIPE-SC-014)	2,271.54	2,271.35	8	78.5	43.8	0.004	422.2	2.06	19%
Pipe - (1424) (PIPE-SC-014)	SMH-089 (PIPE-SC-014)	2,271.76	2,271.64	8	78.5	28.5	0.004	416.1	2.04	19%
Pipe - (1425) (PIPE-SC-014)	SMH-090 (PIPE-SC-014)	2,275.37	2,271.86	8	78.5	56.9	0.062	1,591.9	5.27	5%
Pipe - (1426) (PIPE-SC-014)	SMH-091 (PIPE-SC-014)	2,280.33	2,275.47	8	78.5	39.1	0.124	2,259.0	6.75	3%

PHASES 2 & 3 PIPE SUMMARY

Label	Start Node	Invert (Start) (ft)	Invert (Stop) (ft)	Diam. (in)	Flow (gpm)	Length (ft)	Slope (ft/ft)	Capacity (Full Flow) (gpm)	Velocity (Avg) (ft/s)	% Full
Pipe - (1038) (1) (PIPE-SC-015)	SMH-112 (PIPE-SC-015)	2,196.78	2,196.11	8	89.5	142.1	0.005	440.1	2.20	20%
Pipe - (1038) (PIPE-SC-015)	SMH-113Z (PIPE-SC-015)	2,207.78	2,196.88	8	89.5	71.5	0.152	2502.4	7.54	4%
Pipe - (1039) (1) (PIPE-SC-015)	SMH-108 (PIPE-SC-015)	2,188.59	2,174.22	8	91.2	98.5	0.146	2448.4	7.46	4%
Pipe - (1039) (PIPE-SC-015)	SMH-111 (PIPE-SC-015)	2,196.01	2,188.69	8	89.5	130.0	0.056	1521.0	5.31	6%
Pipe - (1040) (PIPE-SC-015)	SMH-107 (PIPE-SC-015)	2,174.12	2,142.30	8	91.2	142.5	0.223	3028.5	8.65	3%
Pipe - (1041) (1) (PIPE-SC-015)	SMH-105 (PIPE-SC-015)	2,062.66	2,062.15	8	91.2	59.2	0.009	595.1	2.75	15%
Pipe - (1041) (PIPE-SC-015)	SMH-106 (PIPE-SC-015)	2,142.20	2,062.76	8	91.2	314.8	0.252	3220.0	9.03	3%
Pipe - (1055) (PIPE-SC-020)	SMH-129 (PIPE-SC-020)	2,265.28	2,251.65	8	34.2	195.7	0.070	1691.7	4.29	2%
Pipe - (1056) (PIPE-SC-020)	SMH-128 (PIPE-SC-020)	2,251.55	2,239.11	8	34.2	153.6	0.081	1824.4	4.54	2%
Pipe - (1057) (PIPE-SC-020)	SMH-127 (PIPE-SC-020)	2,239.01	2,230.99	8	34.2	302.3	0.027	1044.0	3.07	3%
Pipe - (1058) (PIPE-SC-020)	SMH-126 (PIPE-SC-020)	2,230.89	2,210.28	8	34.2	131.3	0.157	2539.7	5.72	1%
Pipe - (1059) (PIPE-SC-020)	SMH-114Z (PIPE-SC-020)	2,210.18	2,209.42	8	89.5	156.8	0.005	447.6	2.23	20%
Pipe - (1069) (PIPE-SC-025)	SMH-121 (PIPE-SC-025)	2,233.85	2,225.94	8	12.5	61.6	0.128	2296.6	3.90	1%
Pipe - (1070) (PIPE-SC-025)	SMH-120 (PIPE-SC-025)	2,225.84	2,217.80	8	12.5	104.6	0.077	1776.9	3.26	1%
Pipe - (1071) (PIPE-SC-025)	SMH-119 (PIPE-SC-025)	2,217.70	2,215.57	8	46.2	40.4	0.053	1471.0	4.27	3%
Pipe - (1072) (2) (PIPE-SC-025)	SMH-117 (PIPE-SC-025)	2,214.67	2,213.82	8	49.5	221.5	0.004	397.0	1.73	12%
Pipe - (1072) (PIPE-SC-025)	SMH-118 (PIPE-SC-025)	2,215.47	2,214.77	8	47.8	143.4	0.005	447.8	1.86	11%
Pipe - (1073) (PIPE-SC-025)	SMH-116 (PIPE-SC-025)	2,213.72	2,212.65	8	52.8	265.4	0.004	407.0	1.79	13%
Pipe - (1074) (PIPE-SC-025)	SMH-115 (PIPE-SC-025)	2,212.55	2,210.29	8	54.5	244.9	0.009	615.7	2.42	9%
Pipe - (1075) (PIPE-SC-024)	SMH-150 (PIPE-SC-024)	2,391.04	2,389.10	8	3.3	130.5	0.015	781.5	1.22	0%
Pipe - (1076) (PIPE-SC-024)	SMH-149 (PIPE-SC-024)	2,389.00	2,378.59	8	3.3	296.1	0.035	1201.8	1.67	0%
Pipe - (1077) (PIPE-SC-024)	SMH-148 (PIPE-SC-024)	2,378.49	2,375.23	8	4.2	41.1	0.079	1804.4	2.36	0%
Pipe - (1078) (PIPE-SC-024)	SMH-147 (PIPE-SC-024)	2,375.13	2,370.17	8	5.0	70.4	0.071	1701.9	2.40	0%
Pipe - (1079) (PIPE-SC-024)	SMH-146 (PIPE-SC-024)	2,370.07	2,344.68	8	6.7	283.4	0.090	1918.4	2.87	0%
Pipe - (1080) (PIPE-SC-024)	SMH-145 (PIPE-SC-024)	2,344.58	2,322.79	8	6.7	202.9	0.107	2100.2	3.00	0%
Pipe - (1081) (2) (PIPE-SC-024)	SMH-143 (PIPE-SC-024)	2,313.23	2,304.65	8	10.0	169.3	0.051	1442.9	2.63	1%
Pipe - (1081) (PIPE-SC-024)	SMH-144 (PIPE-SC-024)	2,322.69	2,313.33	8	6.7	143.5	0.065	1637.0	2.50	0%
Pipe - (1082) (1) (PIPE-SC-024)	SMH-139 (PIPE-SC-024)	2,302.35	2,301.27	8	10.0	82.5	0.013	733.3	1.66	1%

Pipe - (1082) (2) (PIPE-SC-024)	SNH-140 (PIPE-SC-024)	2,303.34	2,302.35	8	10.0	54.5	0.018	864.1	1.84	1%
Pipe - (1082) (PIPE-SC-024)	SMH-142 (PIPE-SC-024)	2,304.55	2,304.36	8	10.0	29.1	0.007	517.9	1.29	2%
Pipe - (1083) (PIPE-SC-024)	SMH-138 (PIPE-SC-024)	2,301.02	2,291.91	8	21.7	174.9	0.052	1463.0	3.39	1%
Pipe - (1084) (PIPE-SC-024)	SMH-137 (PIPE-SC-024)	2,299.81	2,297.40	8	23.3	211.0	0.011	685.0	2.03	3%
Pipe - (1085) (1) (PIPE-SC-024)	SMH-135 (PIPE-SC-024)	2,291.29	2,274.95	8	25.0	129.9	0.126	2272.9	4.77	1%
Pipe - (1085) (PIPE-SC-024)	SMH-136 (PIPE-SC-024)	2,297.30	2,293.43	8	25.0	196.5	0.020	899.5	2.51	3%
Pipe - (1086) (PIPE-SC-024)	SMH-134 (PIPE-SC-024)	2,274.94	2,265.48	8	26.7	156.8	0.060	1574.3	3.79	2%
Pipe - (1093) (PIPE-SC-021)	SMH-133 (PIPE-SC-021)	2,286.60	2,279.33	8	5.0	155.4	0.047	1386.4	2.09	0%
Pipe - (1094) (PIPE-SC-021)	SMH-132 (PIPE-SC-021)	2,279.23	2,273.50	8	5.8	120.1	0.048	1400.0	2.19	0%
Pipe - (1095) (PIPE-SC-021)	SMH-131 (PIPE-SC-021)	2,273.40	2,269.57	8	7.5	74.9	0.051	1449.1	2.43	1%
Pipe - (1096) (PIPE-SC-021)	SMH-130 (PIPE-SC-021)	2,269.47	2,265.38	8	7.5	47.5	0.086	1880.0	2.91	0%
Pipe - (1196) (PIPE-SC-025)	SMH-123 (PIPE-SC-025)	2,241.62	2,237.18	8	10.0	95.8	0.046	1379.9	2.55	1%
Pipe - (1197) (PIPE-SC-025)	SMH-124 (PIPE-SC-025)	2,245.81	2,241.72	8	10.0	166.8	0.025	1003.6	2.04	1%
Pipe - (1198) (PIPE-SC-025)	SMH-125 (PIPE-SC-025)	2,248.21	2,245.91	8	3.3	136.9	0.017	830.8	1.29	0%
Pipe - (1199) (PIPE-SC-027)	SMH-122 (PIPE-SC-027)	2,248.12	2,238.05	8	2.5	254.6	0.040	1274.8	1.61	0%
Pipe - (1277) (PIPE-SC-024)	SMH-141 (PIPE-SC-024)	2,304.26	2,303.44	8	10.0	62.7	0.013	733.1	1.66	1%
Pipe - (1283) (PIPE-SC-017A)	SMH-110 (PIPE-SC-017A)	2,217.33	2,204.18	8	1.7	90.4	0.145	2444.9	2.23	0%
Pipe - (1284) (PIPE-SC-017A)	SMH-109 (PIPE-SC-017A)	2,204.08	2,188.69	8	1.7	79.7	0.193	2816.9	2.45	0%

Appendix B

Anticipated Build-Out Spreadsheet

WINDHAM MOUNTAIN SPORTING CLUB
BUILD-OUT SEQUENCING
31-Oct-11

UNIT TYPE	YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTALS
SF		0	10	10	13	10	10	10	10	10	12	10	11	10	7	143	
DUPLEX		0	4	6	0	4	6	4	0	0	0	0	0	0	0	24	
TH		0	10	14	14	0	7	9	0	0	0	0	0	0	0	54	
CONDO		0	0	27	0	0	30	0	24	0	0	0	0	0	0	B1	
TOTALS		0	24	57	27	14	53	23	34	10	10	12	10	11	10	7	
CUMMULATIVE		0	24	81	108	122	175	198	232	242	252	264	274	285	295	302	
MISC. EDU EQ. (2)		0	0	7.97	0	0	3.44	0	0	0	0	0	0	0	0	0	
RESID. CUMM. GPD		0	7,200	26,691	34,791	38,991	55,924	62,824	73,024	76,024	82,624	85,524	88,924	91,924	94,024		

NOTE:

1. NUMBERS INDICATE WHEN EACH UNIT TYPE/ USER GROUP IS EXPECTED TO COME ONLINE WITH WATER AND SEWER SYSTEMS USING AN AGGRESSIVE MODELING.
2. Misc. [Wellness Ctr= 30 users at 8 gpd; Members Lodge restaurant/ bar= 70 seats @ 28 gpd; East Village Lodge pool/ Bar= 30 seats @ 28 GPD; East Village Grill/ Bar= 24 users @ 8 GPD.

Appendix C

**Report entitled “Wastewater Treatment Plant Evaluation”,
Revision dated April 2007
prepared by Delaware Engineering, PC**

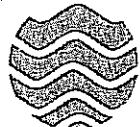
**TOWN OF WINDHAM
GREENE COUNTY, NEW YORK**

**WASTEWATER
TREATMENT PLANT EVALUATION**

Prepared for:

Town of Windham, New York

Prepared by:



Delaware Engineering, P.C.
28 Madison Avenue Extension
Albany, New York 12203

January 2, 2007
Revised: April 2007

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1.0 INTRODUCTION

1.1 General

The purpose of this report is to present the results of an evaluation performed to determine whether the existing Town of Windham Wastewater Treatment Plant (WWTP) is capable of treating sanitary wastewater from the Windham Ridge Club and Crystal Pond townhome developments. This report is a supplement to the *Wastewater Facility Plan Amendment* dated February 7, 2003 prepared by Delaware Engineering, P.C. (Delaware). The WWTP evaluation was prepared in accordance with *Recommended Standards for Wastewater Facilities - Great Lakes Upper Mississippi River Board of State Public Health & Environmental Managers*, commonly referred to as the *Ten States Standards*.

1.2 Existing Conditions

In May 2000, Malcolm Pirnie, Inc. completed a Wastewater Facility Plan for the Town of Windham. The purpose of the Facility Plan was to present the results of a study to determine the need to provide a community-wide wastewater collection and treatment system for the Town. Residential and commercial properties in the Town have treated sanitary wastewater in on-site individual collection and treatment systems (i.e. subsurface disposal systems). Due to poor soil conditions, high groundwater conditions, limited lot sizes, improperly installed and maintained systems, as well as other factors, many of these on-site systems failed or were functioning improperly.

The Town of Windham is within the New York City watershed and as such is subject to the Watershed Rules and Regulations (WRR). In January 1997, the City and State of New York entered into the *Watershed Memorandum of Agreement* (MOA). One of the programs identified in the MOA is the New Sewage Treatment Infrastructure Program (NIP) which provides funding for the study, planning, design and construction of new sewage collection and treatment facilities for certain identified communities. The Town of Windham is one of the identified communities. Construction has now been completed on a Town-wide wastewater collection system and WWTP.

In February 2003, Delaware prepared an amendment to the May 2000 Facility Plan which recommended modifications to the WWTP design as well as its design capacity. The Town has identified a Wastewater Service Area (WWSA) which encompasses those areas of the Town where it has been determined there is sufficient need and population density to warrant connection to the community-wide wastewater collection and treatment system. The May 2000 Facility Plan accounted for wastewater flow only within the WWSA with an additional amount for future growth. The total estimated average daily flow was 247,000 gallons per day (gpd). The February 2003 amendment increased

the design capacity of the WWTP by 127,000 gpd to include the Frog's House restaurant, the Thompson House, and Ski Windham for a revised average daily flow of 375,000 gpd.

The limits set forth in the existing SPDES permit for the WWTP are as follows:

	<u>Permit Limits</u> (June 1 – Oct 31)	<u>Permit Limits</u> (Nov 1 – May 31)
Average Day Flow	375,000 GPD	375,000 GPD
BOD ₅	-	30 mg/L
UOD*	121 lbs/day	-
Ammonia	13 lbs/day as NH ₃	-
Phosphorus, Total	0.5 mg/L as P	0.5 mg/L as P
Dissolved Oxygen	7.0 mg/L	7.0 mg/L
Suspended Solids	10.0 mg/L	10.0 mg/L
Settleable Solids	0.1 ml/L	0.1 ml/L
Chlorine, Total Residual	0.2 mg/L	0.2 mg/L
Coliform, Fecal (30 day geometric mean)	200 per 100 mL	200 per 100 mL
Coliform, Fecal (7 day geometric mean)	400 per 100 mL	400 per 100 mL

* Ultimate Oxygen Demand (UOD) = 1.5 BOD₅ + 4.5 (NH₃ – N)

1.3 Windham Ridge Club

The Windham Ridge Club is a townhome development located on Vining Road, approximately one mile north of Route 23 in the Town of Windham. The Windham Ridge Club currently discharges its sanitary wastewater to a subsurface disposal system. In June 1982, the New York State Department of Environmental Conservation (NYSDEC) issued a modification to SPDES Permit No. NY-0124869 for the Windham Ridge Club for a design flow of 92,850 gpd. This was to serve a 265 unit townhome development. To date, 114 townhomes and a clubhouse have been built. In addition, three (3) single family homes in the Windy Ridge development have been constructed and connected to the Windham Ridge Club collection system. The estimated wastewater flow from these units is 34,000 gpd. The existing subsurface disposal system was built to accommodate 5,440 gpd of wastewater flow.

In January 2006, the NYSDEC issued an Order on Consent (Case No. R4-2005-0314-32) to the Windham Ridge Home Owners Association (HOA) requiring the HOA to either connect to the Town of Windham's wastewater collection and treatment system or develop alternative methods for wastewater treatment and disposal.

The Windham Ridge Homeowners Association is the Owner of the sewage treatment system serving Windham Ridge. The New York City Department of Environmental Protection (NYCDEP) has determined that Windham Ridge sewage treatment must be upgraded to meet the Watershed Regulations. Windham Ridge Sewage Works Corporation has entered into an agreement with the New York State Environmental

Facilities Corporation (NYSEFC) to upgrade the sewage treatment system to meet the Watershed Regulations (the "Upgrade Agreement"). Pursuant to that Upgrade Agreement, the Conceptual Upgrade Plan (CUP) is being prepared and will be submitted to the NYCDEP, NYSEFC and the Town of Windham. The Conceptual Upgrade Plan will recommend that in lieu of any upgrade, that the facility be connected to the Town of Windham sewer system. The NYCDEP, NYSEFC and the Windham Ridge Homeowners Association have now agreed, based upon the analysis provided by Delaware, that the appropriate upgrade is to connect Windham Ridge's sewer collection system to the Town of Windham sewer system and to decommission the existing sewage treatment plant in accordance with the terms and conditions set forth in the Upgrade Agreement. Windham Ridge Homeowners Association and the Town of Windham are about to enter into a Sewer Connection Agreement confirming the terms and conditions of the upgrade. The Sewer Connection Agreement will be approved by NYCDEP as part of the Conceptual Upgrade Plan, and, subsequently, will be approved as part of the Facility Plan under the Upgrade Agreement. The sewer connection agreement provides for construction of the sewer connection to commence in Calendar Year 2007. Upon completion of the project, the sewer rents charged to Windham Ridge Homeowners Association will be as defined in Article 14 of the Town of Windham Sewer Use Law. The Windham Ridge service area is not a part of the designated service area as that term is defined in the Sewer Use Law, and Windham Ridge Homeowners Association will be charged as a "non-household" as that term is defined in the Sewer Use Law. The NYCDEP will not be responsible for any portion of the sewer rent. Windham Ridge Homeowners Association will form a transportation corporation for operation of the sewer collection system and will have to comply with laws applicable for transportation corporations including, but not limited to, obtaining Town Board approval for its fee schedule and service area.

Windham Ridge Homeowners Association will be responsible for owning, maintaining and repairing the sewer collection system servicing Windham Ridge, the metering station installed as part of the upgrade to monitor the flow for Windham Ridge and the sewer main connecting Windham Ridge's sewage collection system to the Town's existing sewer system. The Town shall not take title to and shall not be responsible for the repair and maintenance of the sewer main or any laterals connected to or any collection piping of the Owner's sewer collection system. Under the Agreement, the Town reserves the right and shall be provided access to the Owner's sewer collection system to make repairs to the Owner's metering station and to the Owner's sewer main at Owner's expense if Owner fails to adequately maintain the metering station and the sewer main. The cost associated with Windham Ridge's responsibilities that are performed by the Town shall be paid by Windham Ridge Homeowners Association as an additional sewer rent. The flow allocation will be limited to the 114 units currently constructed and the common area/facilities associated therewith. Any flow above the flow allocation will be subject to any and all restrictions under local law including Article 13 of the Sewer Use Law. Under the Conceptual Upgrade Plan as approved by the NYCDEP, Windham Ridge's Sewer Works Corporation shall not allow any connections to the sewer main connecting its collection system to the Town's collection system.

1.4 Crystal Pond

The Crystal Pond townhome development is located at the intersection of Route 23 and County Route 65 in the Town of Windham. The development is planned for a total of 101 residential units, 44 units are complete and another 14 units are under construction. Though it is located in the Town of Windham, it is not included in the WWSA.

The estimated average daily wastewater flow for the development is based on a design flow rate of 150 gallons per day (gpd) per bedroom. The townhomes will contain 2 to 3 bedrooms each for a total of 240 bedrooms for the 101 units. This gives an estimated average daily flow of 36,000 gpd. In September 1990, the New York State Department of Environmental Conservation (NYSDEC) issued a State Pollution Discharge Elimination System (SPDES) permit for the treatment facility. This permit No. 0223638 is for on-site treatment with the effluent discharged through a single outfall to a tributary of the Batavia Kill. The permit sets seasonal discharge limits since occupancy of the Development varies with the seasons as does the volume of flow in the Batavia Kill. Based on the number of townhome units and the nature of usage, the assumed make-up of typical influent wastewater and the SPDES discharge limits are shown below:

	<u>Permit Limits</u> (June 1 – Oct 31)	<u>Permit Limits</u> (Nov 1 – May 31)
Average Day Flow	36,000 GPD	36,000 GPD
UOD*	11.1 mg/L	73 mg/L
Ammonia	1.5 mg/L as NH ₃	-
Phosphorus, Total	1.0 mg/L as P	1.0 mg/L as P
Dissolved Oxygen	7.0 mg/L	7.0 mg/L
Suspended Solids	10.0 mg/L	10.0 mg/L
Settleable Solids	0.1 ml/L	0.1 ml/L
Chlorine, Total Residual	0.1 mg/L	0.1 mg/l
Coliform, Fecal (30 day geometric mean)	200 per 100 mL	200 per 100 mL
Coliform, Fecal (7 day geometric mean)	400 per 100 mL	400 per 100 mL

* Ultimate Oxygen Demand (UOD) = 1.5 BOD₅ + 4.5 (NH₃ – N)

Crystal Pond Sewer Works Corporation is the Owner of the sewage treatment system serving Crystal Pond. The NYCDEP has determined that Crystal Pond sewage treatment must be upgraded to meet the Watershed Regulations. Crystal Pond Sewage Works Corporation has entered into an agreement with the NYSEFC dated April 18, 2005 to upgrade the sewage treatment system to meet the Watershed Regulations (the "Upgrade Agreement"). Pursuant to that Upgrade Agreement, a CUP was prepared and submitted to the NYCDEP, NYSEFC and the Town of Windham. The Conceptual Upgrade Plan recommended that in lieu of any upgrade, that the facility be connected to the Town of Windham sewer system. The NYCDEP, NYSEFC and the Crystal Pond Sewer Corporation have now agreed, based upon the analysis provided in the Conceptual

Upgrade Plan, that the appropriate upgrade is to connect Crystal Pond's sewer collection system to the Town of Windham sewer system and to decommission the existing sewage treatment plant in accordance with the terms and conditions set forth in the Upgrade Agreement. Crystal Pond Sewer Works Corporation and the Town of Windham have entered (and/or are about to enter) into a Sewer Connection Agreement confirming the terms and conditions of the upgrade. The Sewer Connection Agreement has been or is in the process of being approved by the NYCDEP as part of the Conceptual Upgrade Plan, and, subsequently, will be approved as part of the Facility Plan under the Upgrade Agreement. The sewer connection agreement provides for construction of the sewer connection to commence in Calendar Year 2007. Upon completion of the project, the sewer rents charged to Crystal Pond Sewer Works Corporation will be as defined in Article 14 of the Town of Windham Sewer Use Law. The Crystal Pond service area is not a part of the designated service area as that term is defined in the Sewer Use Law, and Crystal Pond Sewer Works Corporation will be charged as a "non-household" as that term is defined in the Sewer Use Law. The NYCDEP will not be responsible for any portion of the sewer rent. Crystal Pond Sewer Works Corporation will continue to operate as an approved transportation corporation and will have to comply with laws applicable for transportation corporations including, but not limited to, obtaining Town Board approval for its fee schedule and service area.

Crystal Pond Sewer Works Corporation will be responsible for owning, maintaining and repairing the sewer collection system servicing Crystal Pond, the metering station installed as part of the upgrade to monitor the flow for Crystal Pond and the sewer main connecting Crystal Pond sewage collection system to the Town's existing sewer system. The Town shall not take title to and shall not be responsible for the repair and maintenance of the sewer main or any laterals connected to or any collection piping of Owner's sewer collection system. Under the Agreement, the Town reserves the right and shall be provided access to the Owner's sewer collection system to make repairs to the Owner's metering station and to the Owner's sewer main at Owner's expense if Owner fails to adequately maintain the metering station and the sewer main. The cost associated with Crystal Pond's responsibilities that are performed by the Town shall be paid by Crystal Pond Sewer Works Corporation as an additional sewer rent. The flow allocation will be limited to the 101 units approved for the Crystal Pond project and the common area/facilities associated therewith. Any flow above the flow allocation will be subject to any and all restrictions under local law including Article 13 of the Sewer Use Law. Under the Conceptual Upgrade Plan as approved by the NYCDEP, Crystal Ponds Sewer Works Corporation shall not allow any connections to the sewer main connecting its collection system to the Town's collection system.

1.5 Proposed Flow Modification

The average daily wastewater flow as currently permitted to the Windham WWTP is 375,000 gpd. The permitted average daily flow for the Crystal Pond is 36,000 gpd. The estimated average daily flow for the Windham Ridge Club developments is 34,000 gpd (although originally permitted for 92,850 gpd). Combining the flow from the Crystal

Pond and the Windham Ridge Club developments would increase the seasonal average daily flow to the WWTP to 445,000 gpd.

Consistent with the Wastewater Facility Plan Amendment, the estimated design flows revised to include the Windham Ridge Club and Crystal Pond facilities are:

- Seasonal Design Average Flow: 445,000 gpd
- Maximum Daily Flow: 890,000 gpd
- Peak Hourly Flow: 1,780,000 gpd

2.0 EVALUATION OF EXISTING PUMP STATIONS

2.1 Elm Street Pump Station

The Elm Street Pump Station serves the eastern most portion of the service area along NYS Route 296 and County Route 65. Wastewater from this pump station is pumped through an 8-inch forcemain to the Hensonville Pump Station. Wastewater flow from the Crystal Pond development would be conveyed to this pump station. The anticipated wastewater flow to the Elm Street Pump Station from the existing service area is 38,000 gpd (26.4 gpm). With the additional 36,000 gpd from Crystal Pond, the average daily flow to this pump station would be 74,000 gpd (51.4 gpm). Using a peaking factor of 4, the peak hourly flow would be 205 gpm. The Elm Street Pump Station is equipped with two (2) submersible pumps which have been performance tested to a rate of 220 gpm. According to *Ten States Standards*, the pumps must be sized to handle the peak hourly flow with one pump out of service, so the pump station has sufficient capacity to accept the flow from Crystal Pond.

2.2 Hensonville Pump Station

The Hensonville Pump Station is located off NYS Route 296 near the junction with South Street. This pump station receives wastewater flow from the Hamlet of Hensonville as well as from the Elm Street Pump Station. The anticipated flow to the pump station is 67,000 gpd including the flow from the Elm Street Pump Station. The wastewater flow from the Crystal Pond development will increase the daily amount to 103,000 gpd (71.5 gpm). Using a factor of 4, the peak hourly flow would be 286 gpm. The Hensonville Pump Station is equipped with two (2) submersible pumps which have been performance tested to a rate of 340 gpm. Since the capacity of the pumps exceeds the peak hourly flow, the Pump Station can accept the flow from Crystal Pond.

2.3 Hickory Hill Pump Station

The Hickory Hill Pump Station is located at the junction of NYS Route 23 and Hickory Hill Road. This pump station receives wastewater from the Reynolds Brook Pump Station as well as the gravity sewer along NYS Route 23 from just east of Mitchell Hollow Road. The wastewater collected at this pump station is pumped through an 8-inch forcemain located on NYS Route 23 in a westerly direction to the WWTP.

Wastewater from the Windham Ridge Club would be conveyed to the Town's collection system at the intersection of NYS Route 23 and Mitchell Hollow Road. The anticipated wastewater flow to the Hickory Hill Pump Station from the existing service area is 125,000 gpd. Wastewater from the Windham Ridge Club will increase the daily flow by 34,000 gallons to 159,000 gpd (110 gpm). Using a factor of 4, the peak hourly flow would be 440 gpm. The Hickory Hill Pump Station is equipped with three (3) pumps. According to *Ten States Standards*, the pumps must be sized to handle the peak hourly flow with one pump out of service. Based on pump performance curves from the

manufacturer, the capacity of with one pump operating is 560 gpm, two pumps operating is 840 gpm, and three pumps operating is 960 gpm. Since the required capacity to meet the peak hourly flow is 400 gpm, the pumps can handle this capacity with one pump out-of-service.

2.4 Influent Pump Station

The influent pump station is located adjacent to the WWTP and accepts all the wastewater flow to the plant. At a current permitted design average daily flow of 375,000 gpd, the added flow from the Crystal Pond and Windham Ridge Club facilities would result in an average daily flow of 445,000 gpd (309 gpm). Applying a peaking factor of 4, the peak hourly flow would be 1,236 gpm. The pump station is equipped with four pumps. According to *Ten States Standards*, the pumps must be sized to handle the peak hourly flow with one pump out of service. According to pump performance curves provided by the pump manufacturer, one pump in operation will provide 600 gpm, two pumps will provide 1,040 gpm, and three pumps will provide 1,200 gpm. Based on these curves, the system head curve will eventually exceed the head capacity of the pumps. Once the system head exceeds the shut-off head of the pumps, no additional flow will be achieved. As a result, the curves indicate that four pumps operating will pump no more than three pumps so the maximum pumping capacity of this system is 1,200 gpm which is slightly less than the estimated peak hourly flow of 1,236 gpm. This 3% deviation is well within the level of accuracy of these estimates. If necessary, the capacity of the pumps could be increased with larger impellers.

3.0 EVALUATION OF EXISTING TREATMENT PROCESSES

The purpose of this section is to provide a discussion of each process unit of the existing WWTP relative to its ability to treat the currently permitted flow of 375,000 gpd and the proposed revised flow of 445,000 gpd.

3.1 Preliminary Treatment

Preliminary treatment at the WWTP consists of a Parshall Flume and ultrasonic level indicator for flow measuring and a sewage grinder. The flume is a 6-inch Parshall Flume designed for a normal flow of 200,000 gpd and a maximum flow 1,000,000 gpd. The sewage grinder is a JWC Environmental Model AGD1800 rated by the manufacturer for a flow rate of 1.0 mgd (694 gpm). Each of these components has a capacity exceeding the maximum daily flow of 890,000 gpd.

3.2 Flow Equalization

The equalization tank serves as a surge tank and is designed as a rectangular tank with a capacity of 150,000 gallons. The standard convention for sizing of an equalization tank is for it to hold 3 hours of flow at a rate equal to the difference between the peak hour and maximum daily flows. At a peak hourly flow of 1,780,000 gpd minus the maximum daily flow of 890,000 gpd equals 890,000 gpd. Three hours of flow at this rate is 111,250 gallons. At its actual capacity of 150,000 gallons, the equalization tank has approximately 135 percent of the desired capacity.

The aeration system for the equalization tank consists of two (2) 190 scfm positive displacement blowers. *Ten States Standards* requires a blower capacity of 1.25 scfm/1000 gallons of volume. With one blower in-service at 190 scfm and a volume of 150,000 gallons, the aeration system capacity is 1.27 scfm/1000 gallons which exceeds the requirement.

3.3 Primary Clarifiers

Primary treatment is provided by two rectangular clarifiers each with a surface area of 502 square feet for a total of 1,004 square feet. *Ten States Standards* require a surface overflow rate of 1,000 gpd/sf at the design average flow and 1,500 to 2,000 gpd/sf at the peak hourly flow. At the current permitted average daily flow of 375,000 gallons, the surface overflow rate is 374 gpd/sf. Using a peaking factor of 4, the peak hourly flow is 1,500,000 gpd which gives a surface overflow rate of 1,494 gpd/sf.

At the proposed modified design average flow of 445,000 gpd and a modified peak hourly flow of 1,780,000 gpd, the surface overflow rate would be 443 gpd/sf and 1,773

gpd/sf at the average and peak flows respectively, which are within the requirements of *Ten States Standards*.

Each primary clarifier has a capacity of 49,000 gallons for a total capacity of 98,000 gallons. At the revised maximum daily flow of 890,000 gpd, the clarifiers will provide a retention time of 1.32 hours with one clarifier in service and 2.64 hours with both clarifiers in service. At an average daily flow of 445,000 gpd, retention times will be 2.64 hours and 5.28 hours with one and two clarifiers in service, respectively.

The primary clarifiers are capable of accepting the additional flow from Crystal Pond and the Windham Ridge Club.

3.4 Interstage Pump Station

Wastewater collected in the equalization tank is transferred to the biological treatment processes by four (4) pumps each performance tested at 340 gpm. Since the total dynamic head is comprised primarily of elevation head with little losses due to friction, the flow rates with multiple pumps running simultaneously will be approximately additive. So, with one pump out-of-service, the pump station has a pumping capacity of approximately 1,020 gpm (1.47 mgd) which is well in excess of the anticipated maximum daily flow of 0.89 mgd, including the Crystal Pond and Windham Ridge Club facilities.

3.5 Biological Treatment

Biological treatment is provided through an extended aeration activated sludge process. Wastewater is directed to one or both of two rectangular aeration basins, each with a working volume of 240,000 gallons for a total of 480,000 gallons (64,200 cu. ft.). Three (3) 40 HP blowers with variable speed control and a fine bubble diffuser system provide up to 500 scfm each. The number of blowers on-line as well as the blower speed is controlled by dissolved oxygen levels in the basins.

Oxygen Requirements @ proposed Average Daily Flow of 445,000 gpd

Assume BOD from Primary Clarifier = 230 mg/l - 40 mg/l = 190 mg/l

Lbs BOD₅ = 0.445 mgd x 8.34 x 190 mg/l x 1.5 lb O₂ = 1,057.7 lb O₂/day

Lbs NOD = 0.445 mgd x 8.34 x 75 mg/l x 4.57 lb O₂ = 1,272.0 lb O₂/day

Total Oxygen Requirement = 2,329.7 lb O₂/day

% Transfer Efficiency = 20% or 0.20

Total lbs O₂ needed per day = 2,329.7 lb O₂/day / 0.20 = 11,648.5 lb O₂/day

Convert to CFD (assume Air is 20% oxygen)

$$\text{Total lbs Air} = \frac{11,648.5 \text{ lb O}_2}{0.20} = 58,242.5 \text{ lb Air/day}$$

$$\text{Weight of Air} = 0.072 \text{ lb/ft}^3$$

$$\text{Total SCFD} = \frac{58,242.5 \text{ lb Air/day}}{0.072 \text{ lb/ft}^3} = 808,924 \text{ SCFD}$$

$$\text{SCFM} = \frac{808,924 \text{ SCFD}}{1440 \text{ min/day}} = 561.8 \text{ SCFM needed}$$

With two blowers operating and one blower out-of-service, the aeration system can provide 1,000 scfm which is sufficient to meet the required need at the design average daily flow including Crystal Pond and the Windham Ridge Club.

At the proposed peak daily flow of 890,000 gpd, the retention time in the basins is 6.5 hours with one basin out of service and 12.9 hours with both basins in service. At the seasonal design average flow of 445,000 gpd, the retention time with one basin in service is 12.9 hours and 25.9 hours with both basins in service. The retention times needed in the summer and non-summer months is 12 hours and 10 hours respectively, so the aeration basins have sufficient capacity to meet these needs.

Mixed Liquor Suspended Solids Required

Food to Microorganism Ratio (F/M) is the ratio of the lbs of BOD in the aeration basin to the lbs of MLSS. A typical range for F/M for an extended aeration process is 0.05 to 0.15. The required mixed liquor suspended solids (MLSS) is determined by the ratio of total BOD removed to F/M. Assuming F/M = 0.10 (for nitrification) and an effluent BOD = 5 mg/l,

$$\begin{aligned} \text{Required MLSS (lbs)} &= \frac{(190 \text{ mg/l} \times 0.445 \text{ mgd} \times 8.34) - (5 \text{ mg/l} \times 0.445 \text{ mgd} \times 8.34)}{0.12} \\ &= \frac{705 \text{ lbs/day} - 18.5 \text{ lbs/day}}{0.10} = 6,865 \text{ lbs} \end{aligned}$$

The estimated MLSS (mg/l) in the aeration basins will be as follows:

$$\begin{aligned} \text{MLSS (mg/l)} &= 6,865 \text{ lbs}/(8.34 \times .240\text{mgd}) = 3,430 \text{ mg/l} \quad (\text{one basin}) \\ &\quad \text{and} \\ &\quad 1,715 \text{ mg/l} \quad (\text{two basins}) \end{aligned}$$

3.6 Secondary Clarifiers

Wastewater from the aeration basins is directed to two rectangular secondary clarifiers each with a capacity of 105,000 gallons (total 210,000 gallons). Each clarifier is 21.5 ft wide by 43.5 ft long for a total surface area of 935.25 square feet per clarifier. The surface overflow rate as specified in *Ten States Standards* is 1,000 gpd/sf. Using the estimated maximum daily flow of 890,000 gpd instead of the peak hourly flow (because the equalization tank will dampen the effect of the peak hourly flow), the required surface area is 890 square feet, with one tank in service.

The peak solids loading rate allowed by *Ten States Standards* is 50 lb/day/sf. Using the maximum daily flow of 890,000 gpd plus an estimated design maximum return sludge rate of 284,800 gpd, the solids load was determined to be 24,645 lb/day, so the required clarifier size is 493 sf. Each clarifier provides 935.25 sf, so the requirement is met.

The weir loading rate allowed by *Ten States Standards* is 20,000 gpd/lin ft of weir. Each clarifier has weir length of 42 feet for a total of 84 ft. At the maximum daily flow of 890,000 gpd, the weir loading rate is 10,595 gpd/lin ft which is within *Ten States Standards*.

At the proposed peak daily flow of 890,000 gpd, the clarifiers will provide a retention time of 2.83 hours with one clarifier in service and 5.66 hours with both clarifiers in service. At a design average daily flow of 445,000 gpd, retention times will be 5.66 hours and 11.33 hours with one and two clarifiers in service, respectively.

Based on the above, the existing clarifiers are sufficient to treat the flow from Crystal Pond and the Windham Ridge Club.

3.7 Tertiary Treatment and Disinfection

Effluent from the secondary clarifiers flows by gravity to the tertiary treatment sand filters. The filters consist of three continuous backwash upflow dual sand (CBUDS) filter units each with a surface area of 100 sf. The filtration system is designed to the Watershed Upgrade application rate of 3.36 gpm/sf under peak conditions with one filter out-of-service. With two of three filter units in operation and treating the maximum design daily flow of 890,000 gpd plus recycle flow (@ 8.0%) of 71,200 gpd for a total flow of 961,200 gpd (668 gpm), the required filter application rate would be 3.34 gpm/sf, so the tertiary treatment sand filters have sufficient capacity to accept the flow from Crystal Pond and the Windham Ridge Club.

Reject water from the first and second stage filters flows by gravity to a lift station with two 140 gpm pumps. Assuming the reject water from the CBUDS filter units, the digesters and the belt press totals an amount equal to 10 percent of the flow. At the maximum design daily flow of 890,000 gpd, the reject volume will be 89,000 gpd (62 gpm). The lift station has sufficient capacity to pump the reject water with one pump out-of-service.

The *Ten States Standards* require a minimum chlorine contact period of 15 minutes at the peak hourly flow or the maximum pumping rate. Since the equalization basins will serve to hydraulically dampen the peak flows, the peak flow for determining contact time will be the maximum design daily flow of 890,000 gpd. At 890,000 gpd, the required volume of tankage for a 15 minute contact period is 9,271 gallons. The effluent trough of the CBUDS filter units has a volume of 22,780 gallons which is more than sufficient to provide the required contact period.

3.8 Sludge Wasting

Proper operation of the WWTP at the revised average daily flow of 445,000 gpd will require adjustments to the rates at which sludge is wasted. This section provides a discussion of the estimated solids retention time (SRT).

Sludge Retention Time (SRT)

SRT = lbs Total Solids in the system/lbs per day of solids wasted and removed in the clarifier effluent

Aeration Basin Solids, lbs = MLSS, mg/l x Basin Volume, MG x 8.34

@ MLSS = 1,715 mg/l

Aeration Basin Solids = 1,715 mg/l x 0.48 MG x 8.34 = 6,865 lbs

Secondary Clarifier Solids, lbs = Clarifier TSS, mg/l x Clarifier Volume, MG x 8.34

Assume Clarifier TSS = 1,200 mg/l

Secondary Clarifier Solids = 1,200 mg/l x 0.21 MG x 8.34 = 2,102 lbs

Total Solids = Aeration Basin Solids + Sec. Clarifier Solids = 6,865 + 2,102 = 8,967 lbs

Solids Wasted, lbs/day = WAS TSS, mg/l x WAS flow, MGD x 8.34

Assume WAS TSS = 7,000 mg/l and WAS flow = 6,000 gpd

Solids Wasted = 7,000 mg/l x 0.006 MGD x 8.34 = 350 lbs/day

Clarifier Eff. Solids Removed, lbs/day = Effluent TSS, mg/l x effluent flow, MGD x 8.34

Assume Clarifier Effluent TSS = 20 mg/l

Clarifier Effluent Solids Removed = 20 mg/l x 0.445 MGD x 8.34 = 74 lbs/day

Therefore,

$$\text{SRT} = 8,967 \text{ lbs} / (350 \text{ lbs/day} + 74 \text{ lbs/day}) = 21.1 \text{ days}$$

At a MLSS concentration of 1,429 mg/l, the SRT would be approximately 21 days given the assumptions made. An acceptable range for SRT is 20 to 30 days so the rate at which solids are wasted or the amount of solids in the system could be increased and still maintain the operation of the plant within acceptable parameters.

3.9 Solids Handling

The existing aerated sludge digester has a capacity of 121,000 gallons which is estimated to provide more than 40 days of storage at the current permitted flow of 375,000 gpd. At this flow, it is estimated the plant will produce 5,000 gpd of primary sludge and 5,000 gpd of waste activated sludge (WAS). The additional 70,000 gpd of wastewater flow from Crystal Pond and Windham Ridge Club will contribute an estimated 1,800 gpd of sludge. This will require more frequent sludge processing and disposal but the storage capacity will still be well in excess of 30 days.

The WWTP is equipped with a sludge press capable of processing 70 gpm @ 20% solids or 16,800 gallons of sludge during a 4 hour processing shift.

4.0 CONCLUSIONS

Based on this evaluation of the critical components of the Windham WWTP, it has the capacity to treat the combined estimated average daily flow of 70,000 gallons from the Crystal Pond and Windham Ridge Club developments. No modifications to the WWTP are required to accept this additional wastewater flow.

The existing capacities of the Elm Street, Hensonville, Hickory Hill and Influent pump stations are sufficient to accept the peak hourly flow from Crystal Pond and the Windham Ridge Club. The pump stations will not require modifications.

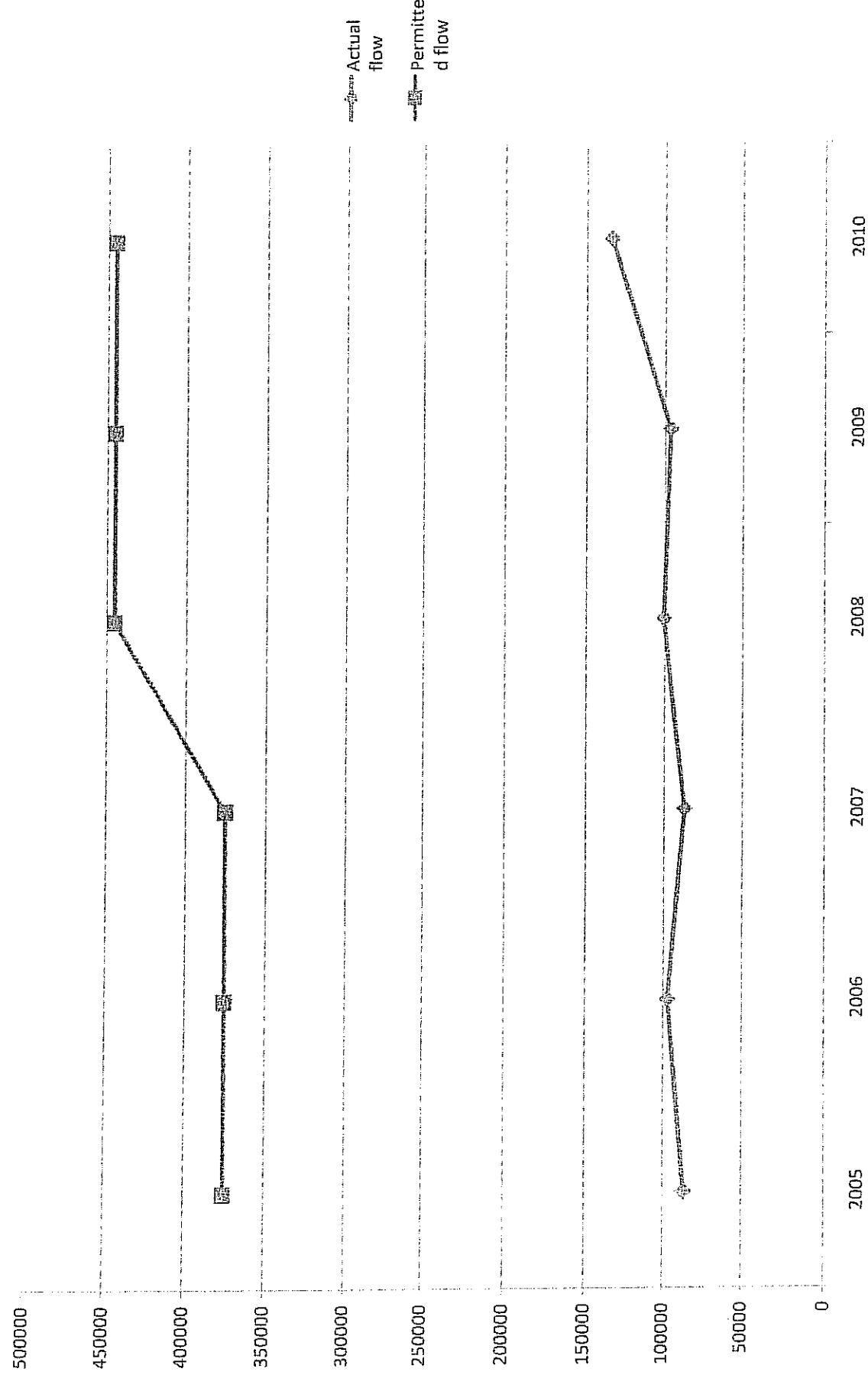
Appendix D

Municipal Wastewater Water Usage Data

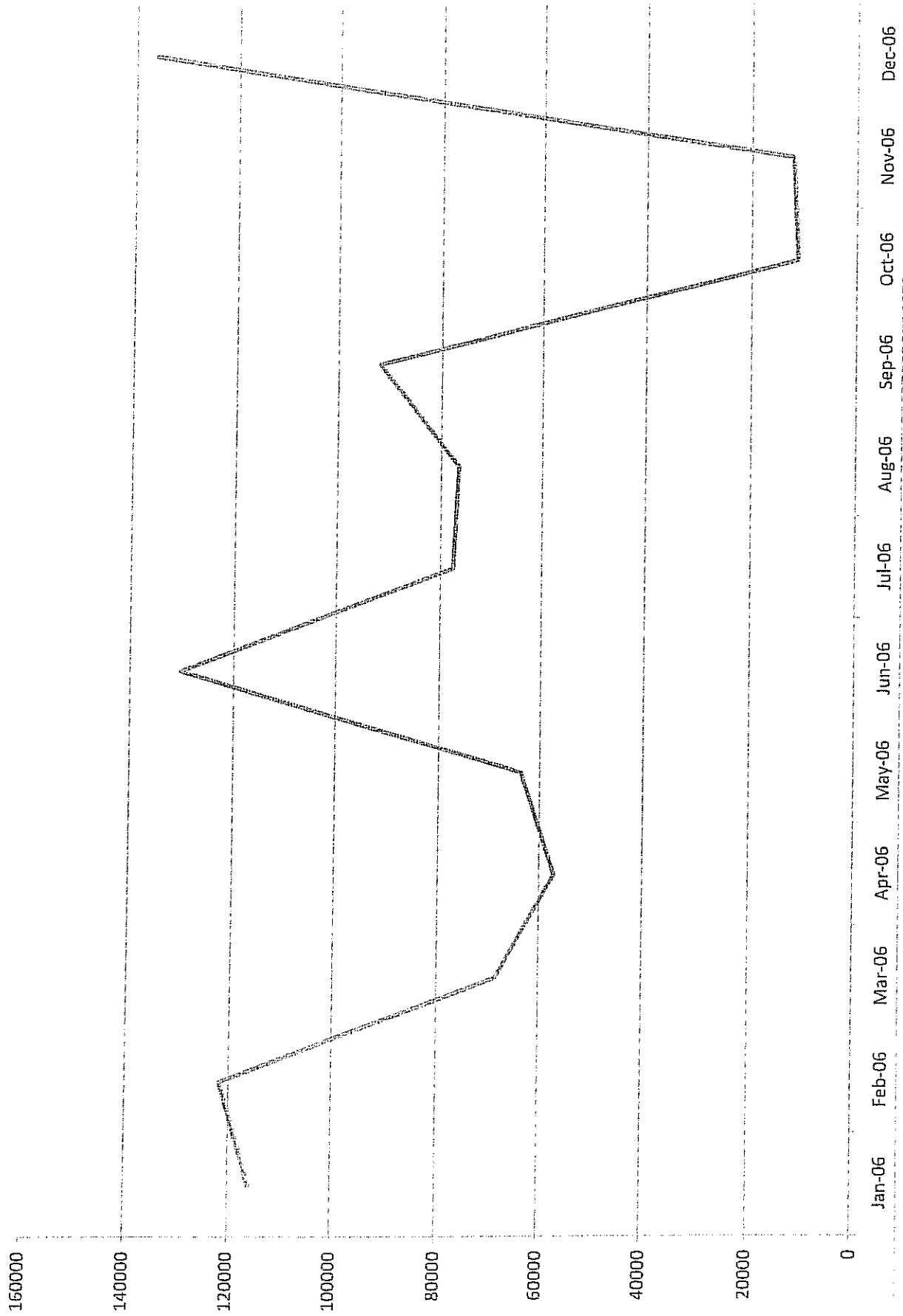
Town of Windham Wastewater Treatment Plant

Monthly Average Wastewater Flows
for
2006, 2007, 2008, 2009 & 2010

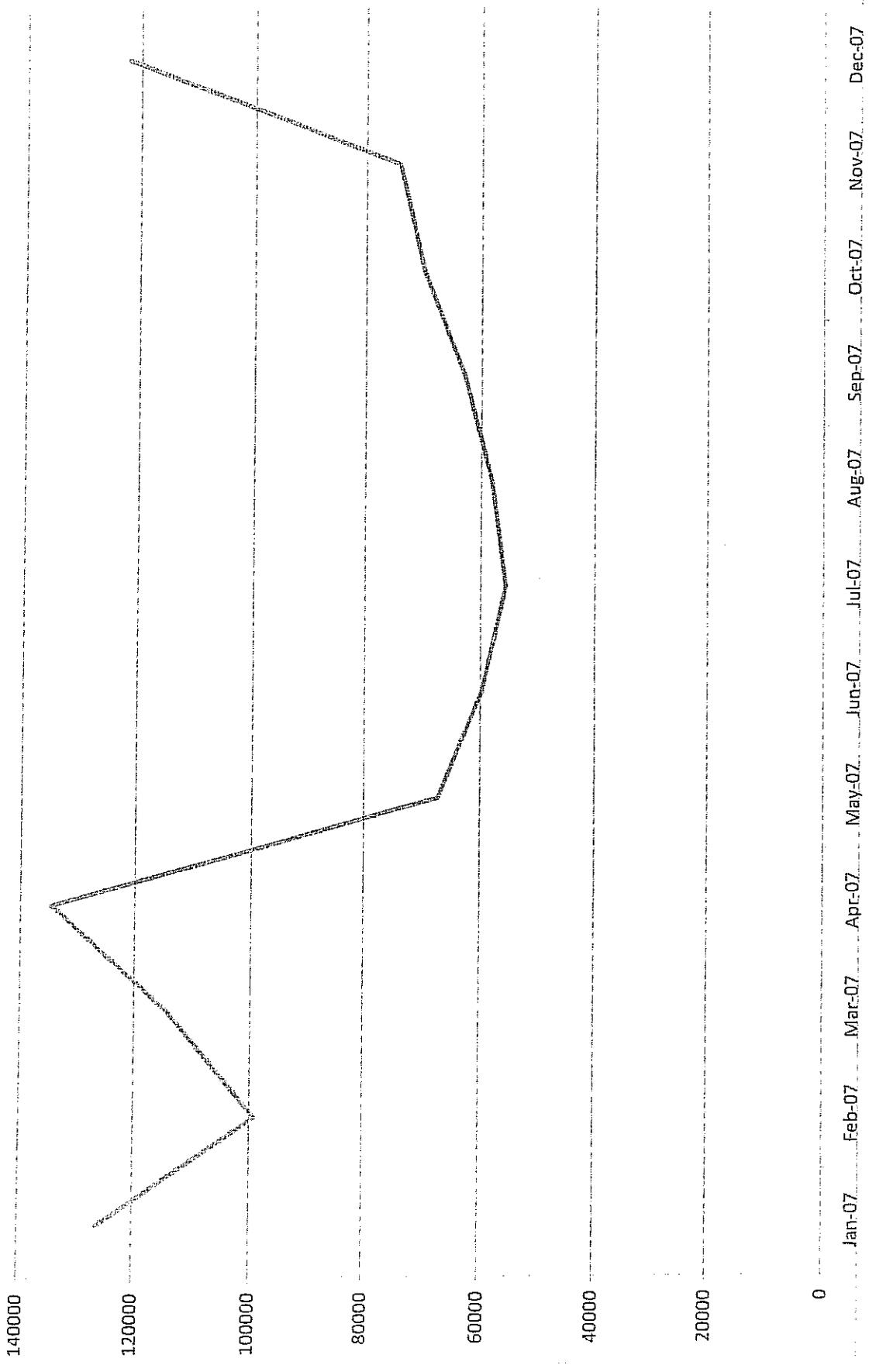
Town of Windham
Actual flow vs Permitted flow
In Gallons per day



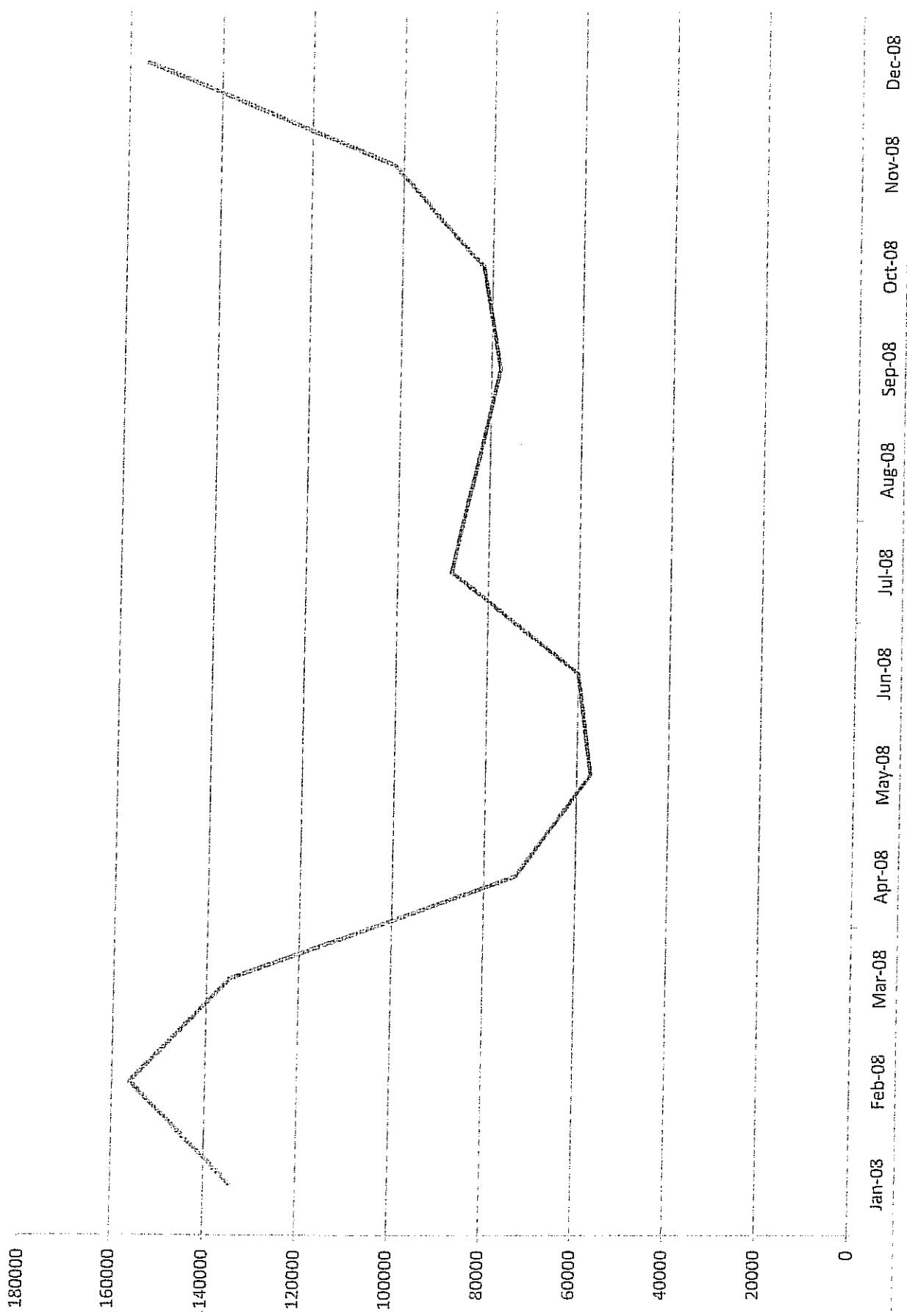
Windham WWTP Monthly Flows 2006



Windham WWTP Monthly Flows 2007



Windham WWTP Monthly Flows 2008



Windham WWTP Monthly Flows 2009

160000

140000

120000

100000

80000

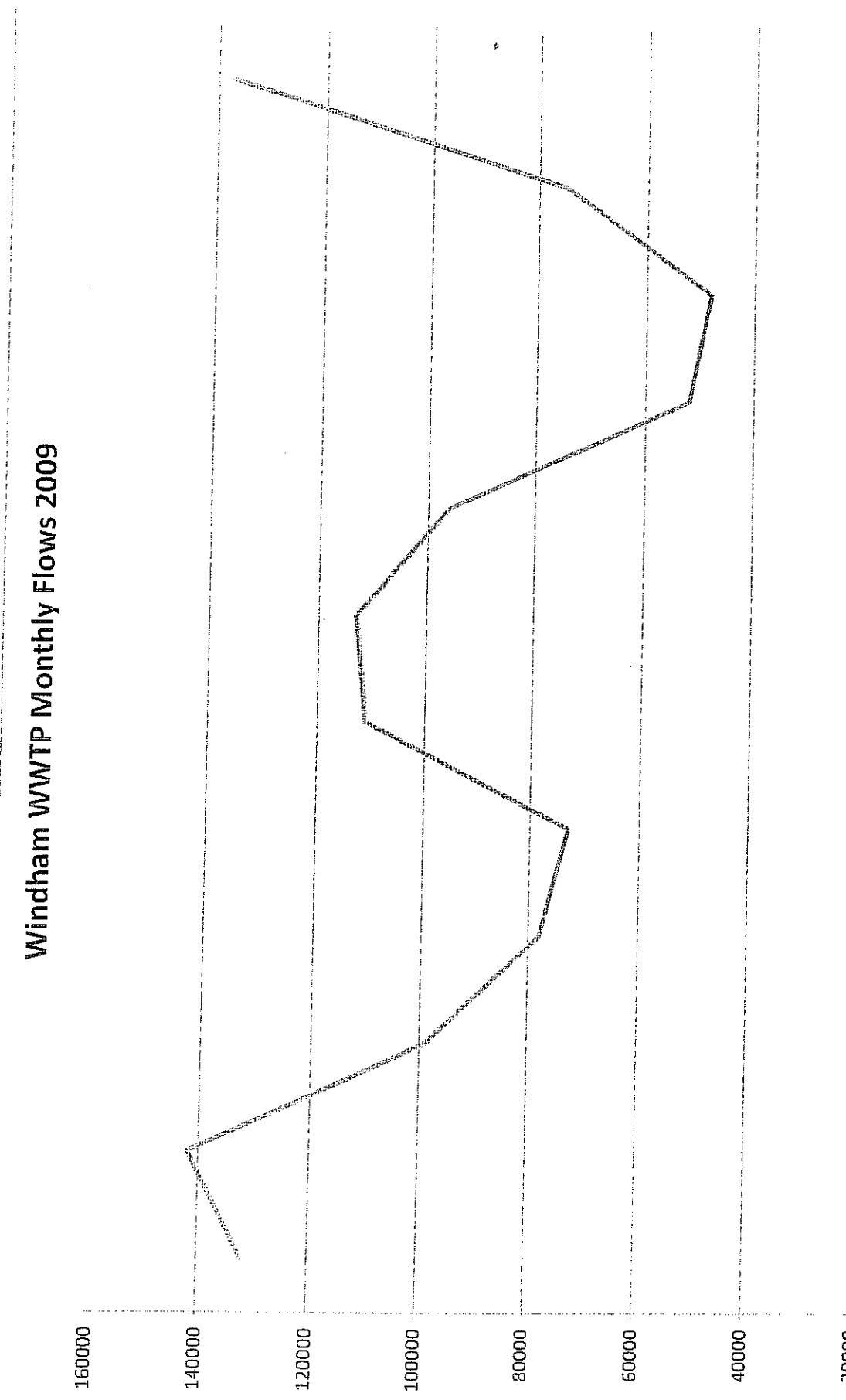
60000

40000

20000

0

Jan-09 Feb-09 Mar-09 Apr-09 May-09 Jun-09 Jul-09 Aug-09 Sep-09 Oct-09 Nov-09 Dec-09



Windham WWTP Monthly Flows 2010

3000000

2500000

2000000

1500000

1000000

500000

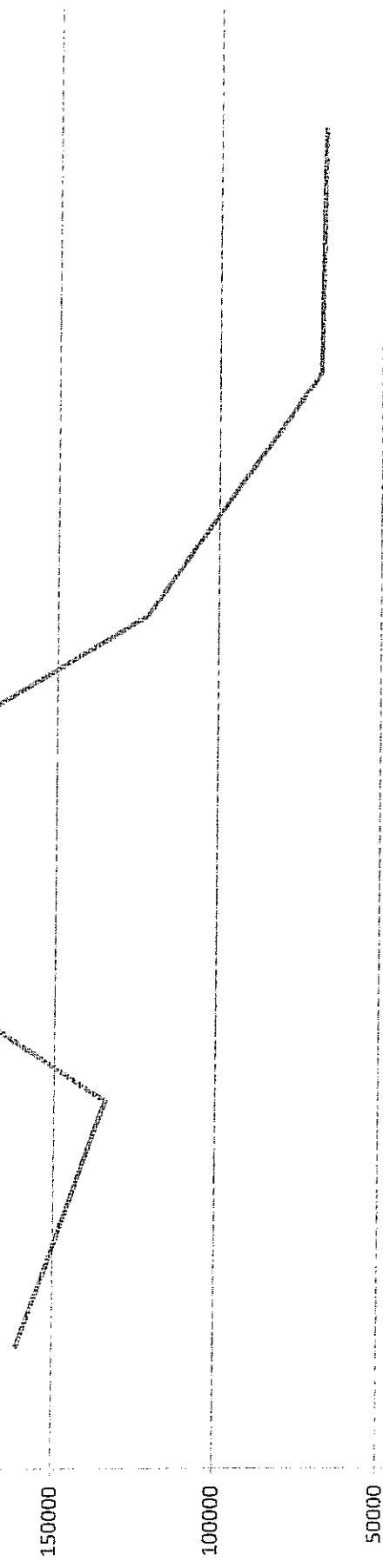
0

Jan-10 Feb-10 Mar-10

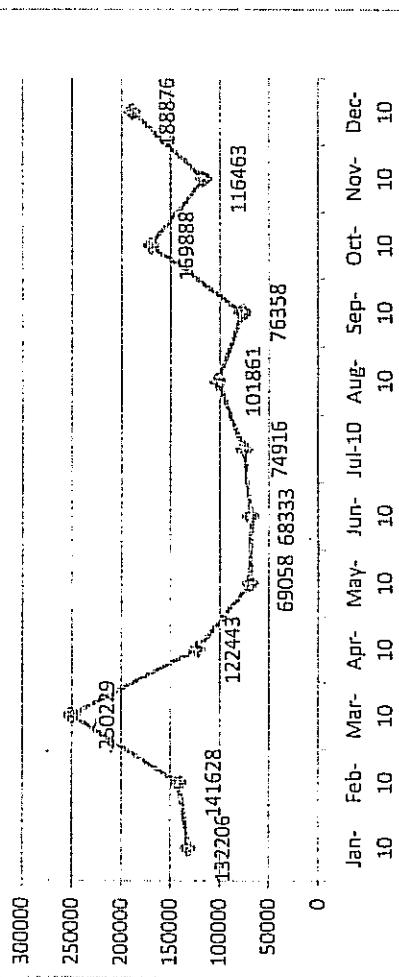
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May-10

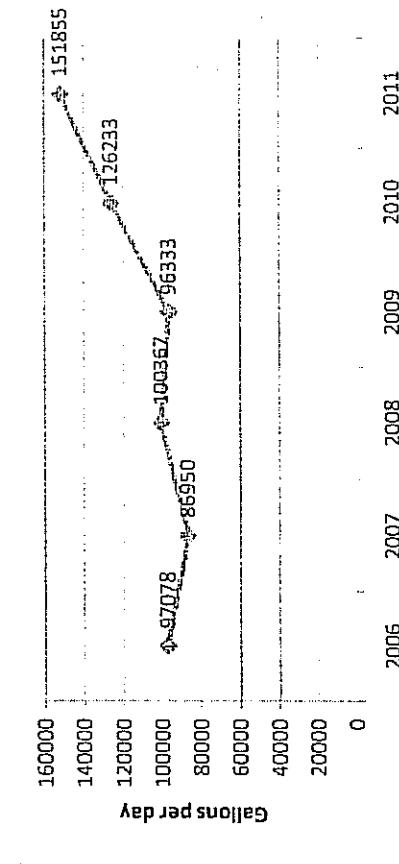
Jun-10



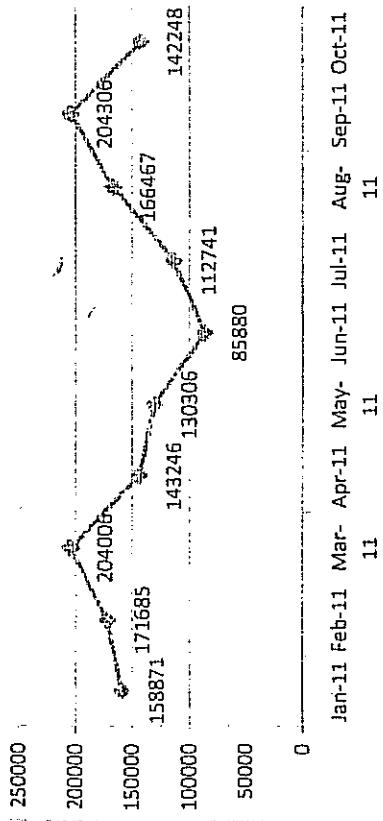
**2010 Average Monthly Flow
Town of Windham WWTP**



**Average Daily Flows
Town of Windham WWTP**



**2011 Average Monthly Flow
Town of Windham WWTP**



Appendix E

September 22, 2008 Analysis from Delaware Engineering, PC

September 22, 2008

Supervisor T. Patrick Meehan, Jr.
Town of Windham
P.O. Box 96
Hensonville, NY 12439

Re: Town of Windham
Wastewater Treatment Plant Flow Analysis

Dear Supervisor Meehan:

Per your request, we have completed an analysis of the flow of wastewater now directed to the Town's new wastewater treatment plant. The new WWTP was brought on line in November 2005. Initially, most of the flow was derived from the Windham Mountain Ski Center and associated residences. Since that time other privately owned collection systems have been brought on line and approximately 300 residences and small businesses have been connected.

We compiled data from the following sources:

- The Town of Windham wastewater treatment plant influent flow meter;
- Windham Mountain Ski Center wastewater flow meter;
- Windham Mountain Village wastewater flow meter;
- Thompson House wastewater flow meter;
- Elm Street pump station run time meter;
- Hensonville pump station run time meter;
- Old Road pump station run time meter; and,
- Hickory Hill pump station run time meter;

Flow data, pump run times, and precipitation measurements were obtained from the daily logs for the Town's wastewater system. The run times for the four Town pump stations were recorded daily. Similarly, the flows for the Windham WWTP, Ski Windham, Windham Mountain Village, and Thompson House were recorded daily using flow meters. Thompson House is a seasonal resort which is open from June to October.

The Town has previously agreed to accept wastewater flow from two out-of-district additional consolidated systems: Crystal Pond Sewer Works and Windham Ridge Club. It is anticipated that Crystal Pond will be connected by end of 2008 and Windham Ridge Club will be connected during the summer of 2009.

Table 1 presents the Town's wastewater treatment plant SPDES flow information as well as the flow limits from each of the consolidated wastewater systems which have been or will soon be connected to the overall collection system.

Table 1. SPDES Permit & Contract Flow

Treatment System	SPDES permit & Contract Flow (gpd)	Date Connected to Windham WWTP
Windham WWTP	445,000	Started on 11/14/05
Ski Windham	120,000	05/22/06
Windham Mountain Village	30,500	05/14/07
Thompson House	4,775	05/31/06
Crystal Pond	36,000	Not connected
Windham Ridge Club	34,000	Not connected

Data

Exhibit A and Exhibit B present graphs for both daily flows and average monthly flows for the WWTP and the consolidated systems, respectively. Exhibit C presents the daily and average monthly run times for the pump stations along with precipitation data. Exhibit D presents a graph that shows projected flows if there were maximum flows from the consolidated systems and finally, Exhibit E presents all of the collected data in one summary graph.

You will note that there are some data gaps within the subject analyses. These can were not shown on the various graphs because either the measurement was not recorded or the particular flow meter was not functioning properly. However, based upon our knowledge of the overall wastewater system these data gaps are not significant and the conclusions of our study remain valid.

Projected Flows

The graph in Exhibit D present four sets of average monthly flows:

1. *WWTP* – the actual WWTP monthly average influent flow.
2. *WWTP w/ maximum flow from consolidated systems* – the actual WWTP monthly average influent flow plus additional flow which would maximize the allowable permitted flows from Ski Windham, Windham Mountain Village, and Thompson House.
3. *WWTP w/ maximum flow from consolidated systems and Crystal Pond and Windham Ridge Club* – the actual WWTP monthly average influent flow plus additional flow which would maximize the allowable

- permitted flows from Ski Windham, Windham Mountain Village, Thompson House, Crystal Pond, and Windham Ridge Club.
4. **Maximum Capacity flow** – the actual WWTP monthly average influent flow plus additional flow which would maximize allowable permitted flows from Ski Windham, Windham Mountain Village, Thompson House, Crystal Pond, & Windham Ridge Club plus the average flow for the 113 properties which have not connected to the Town's sanitary sewer system as of May 2008. The average daily flow for these properties was assumed to be 150 gpd per equivalent dwelling unit.

The maximum projected flow is 350,000 gpd assuming the aforementioned consolidated systems direct flow to the Town's system at their maximum allowable amount. Thus, there is approximately 100,000 gpd of capacity available at the WWTP. This amount of flow correlates to approximately 345 EDU's.

Please do not hesitate to call me if you have any questions regarding this analysis.

Sincerely,

Matthew Corbin, P.E.

cc: John Brust, Delaware Engineering, PC

Encl. Exhibits A–E

Exhibit A

Wastewater Treatment Plant Influent Flows

Town of Windham
Influent WWTP Monthly Average Flows
(SPDES Permit = 0.445 MGD)

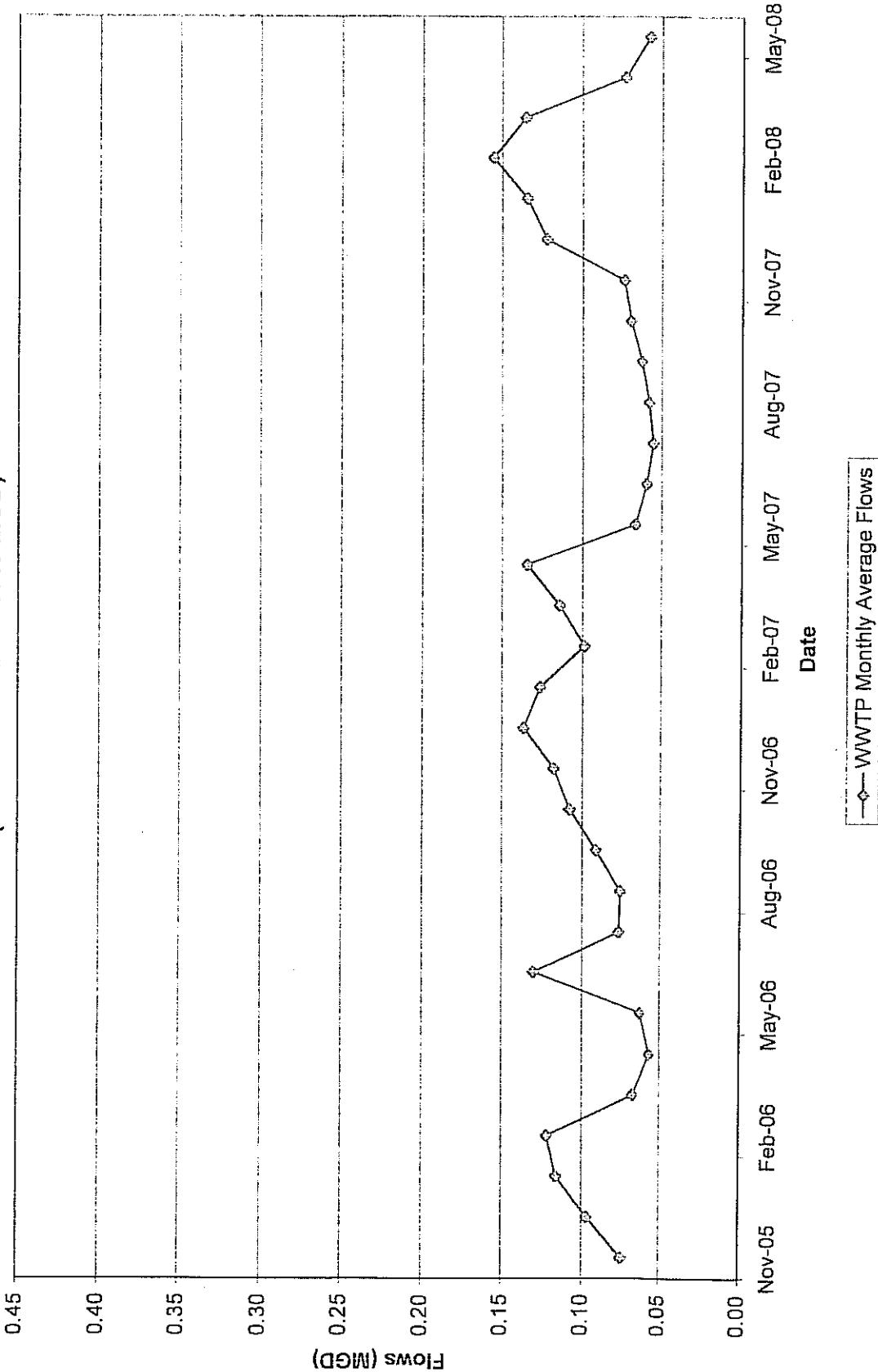
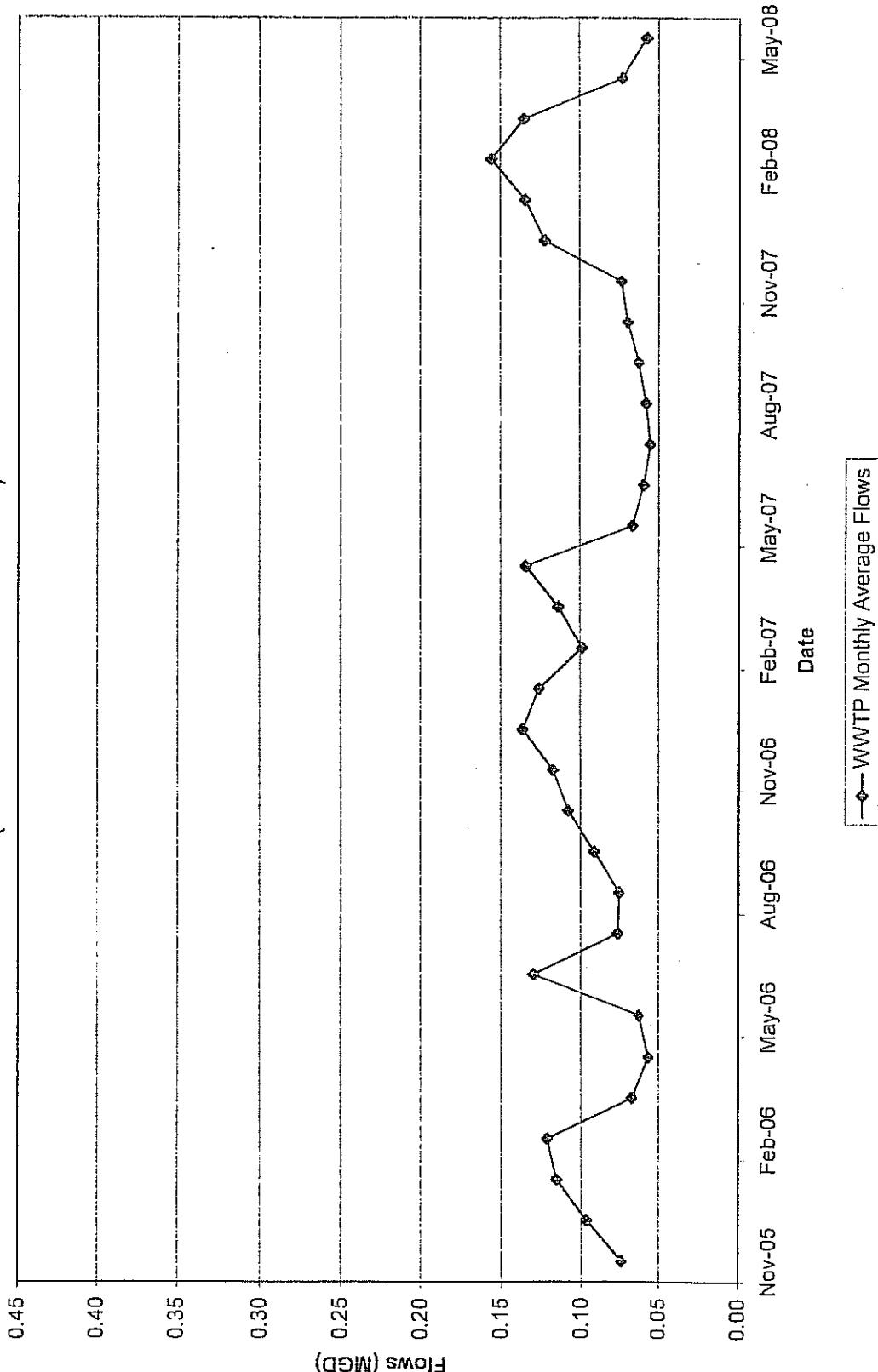


Exhibit A

Wastewater Treatment Plant Influent Flows

Town of Windham
Influent WWTP Monthly Average Flows
(SPDES Permit = 0.445 MGD)



Daily WWTP Flow & Daily Precipitation
(SPDES Permit = 0.445 MGD)

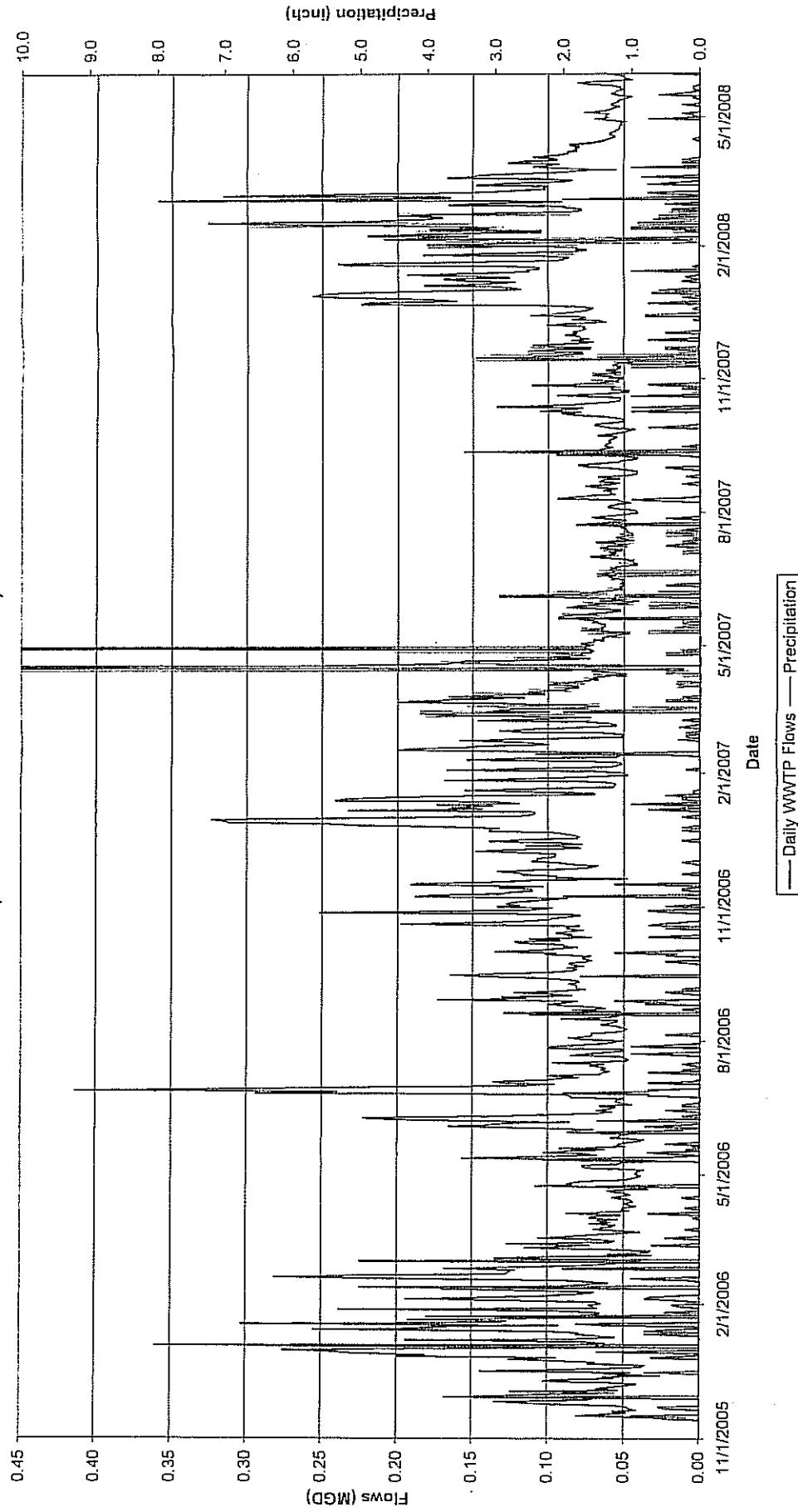
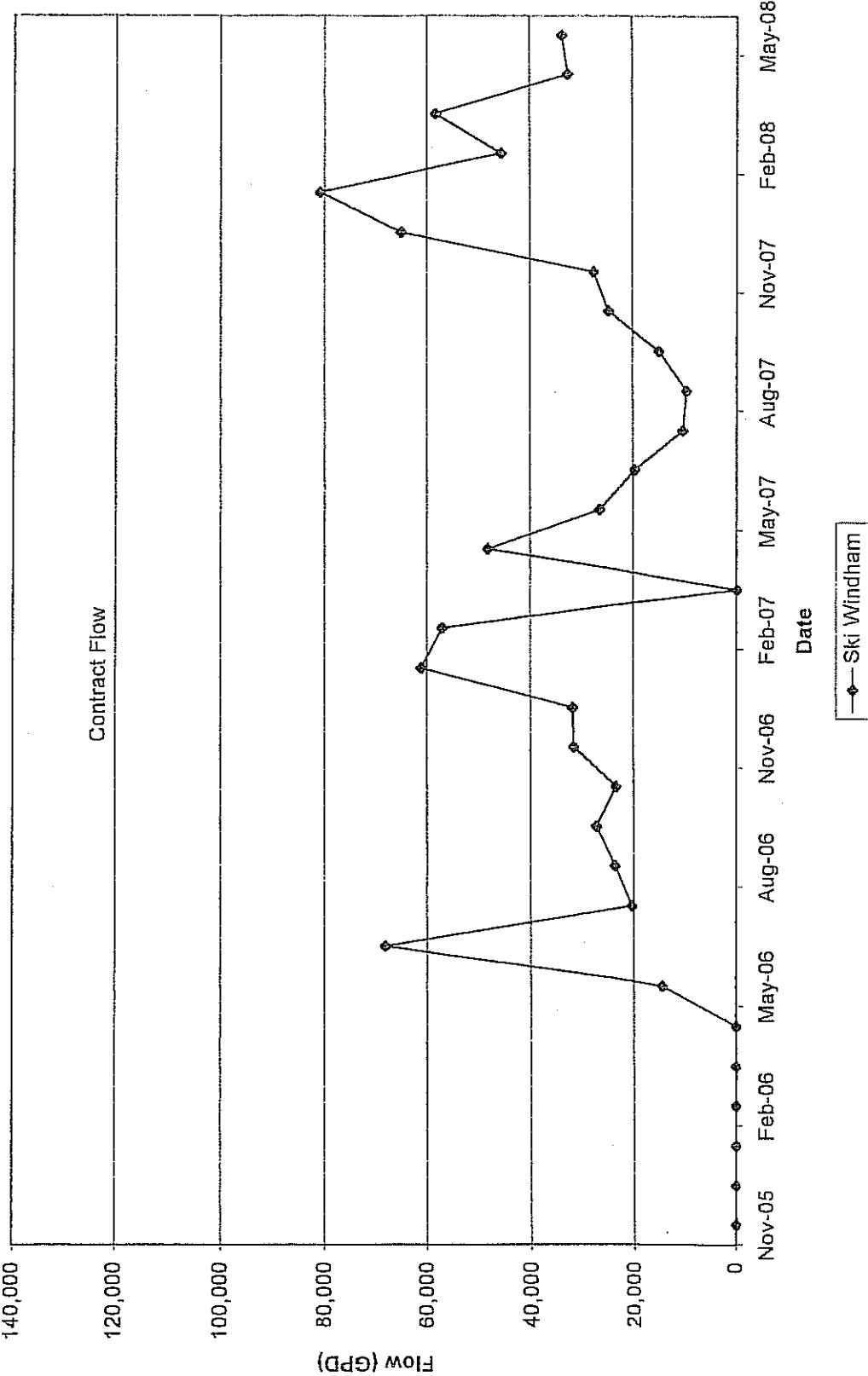


Exhibit B

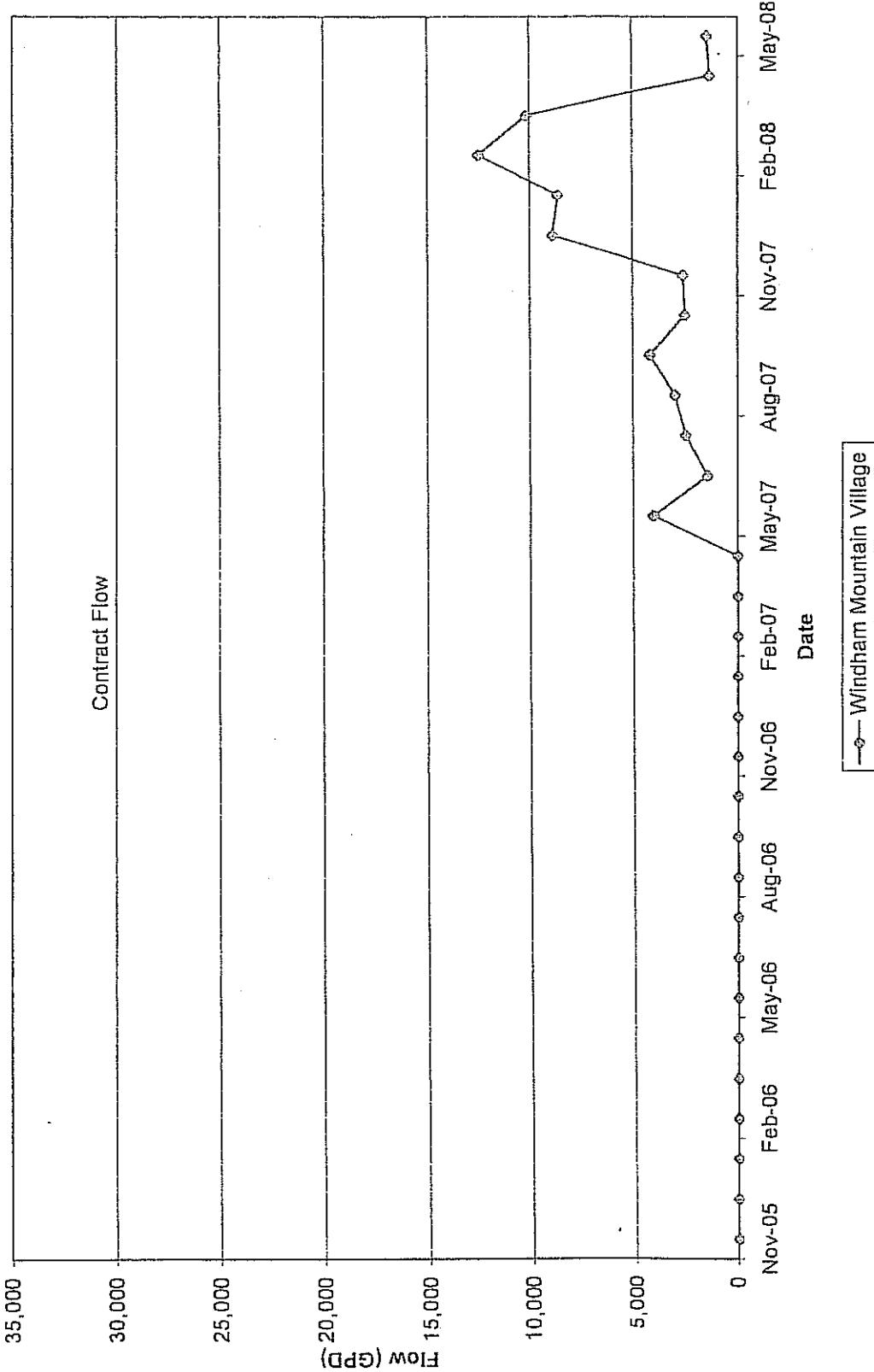
Consolidated Systems Flows

- Ski Windham
- Windham Mountain Village
- Thompson House

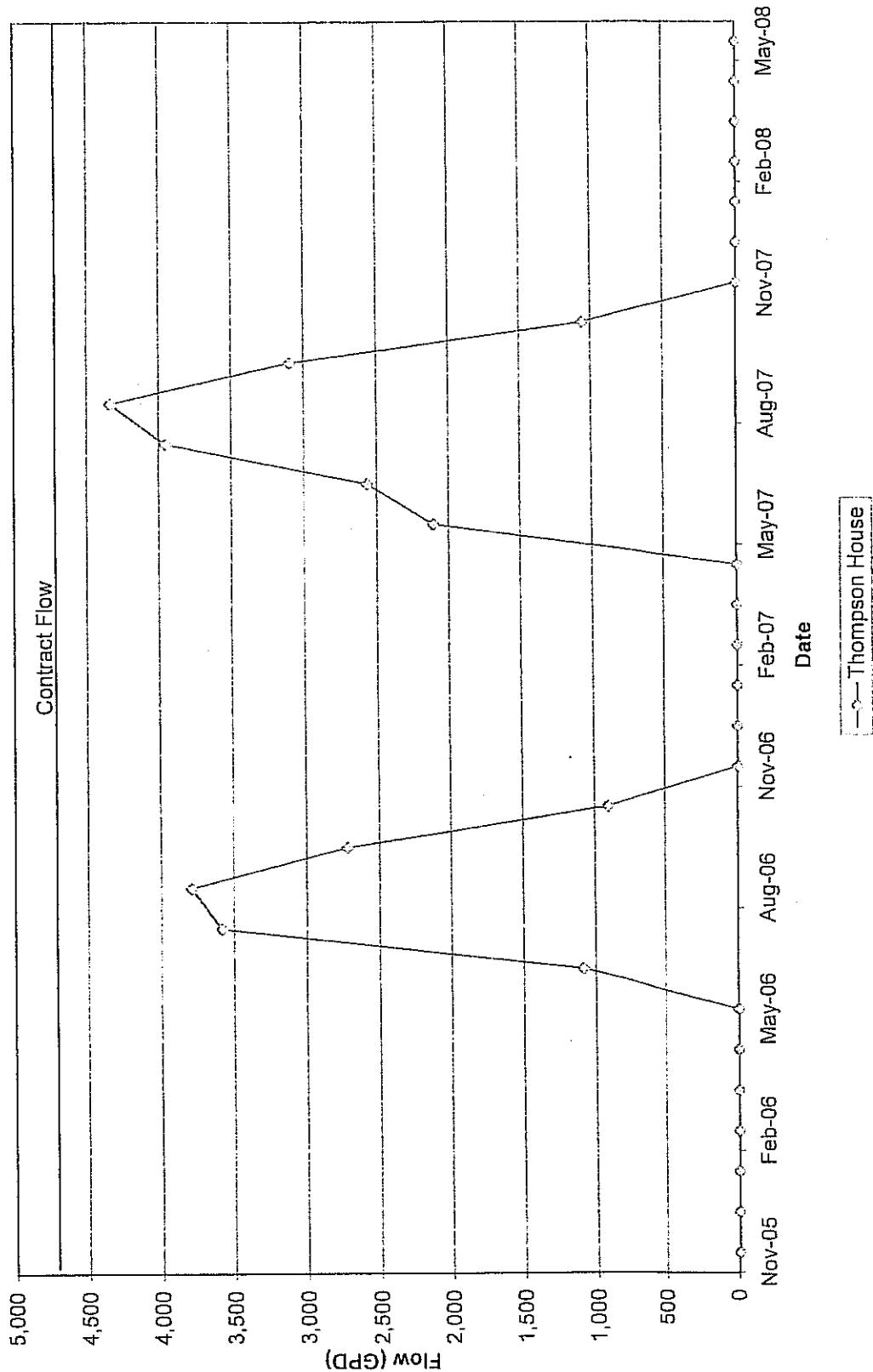
Town of Windham
Ski Windham Monthly Average Flow
(Contract Flow = 120,000 GPD)



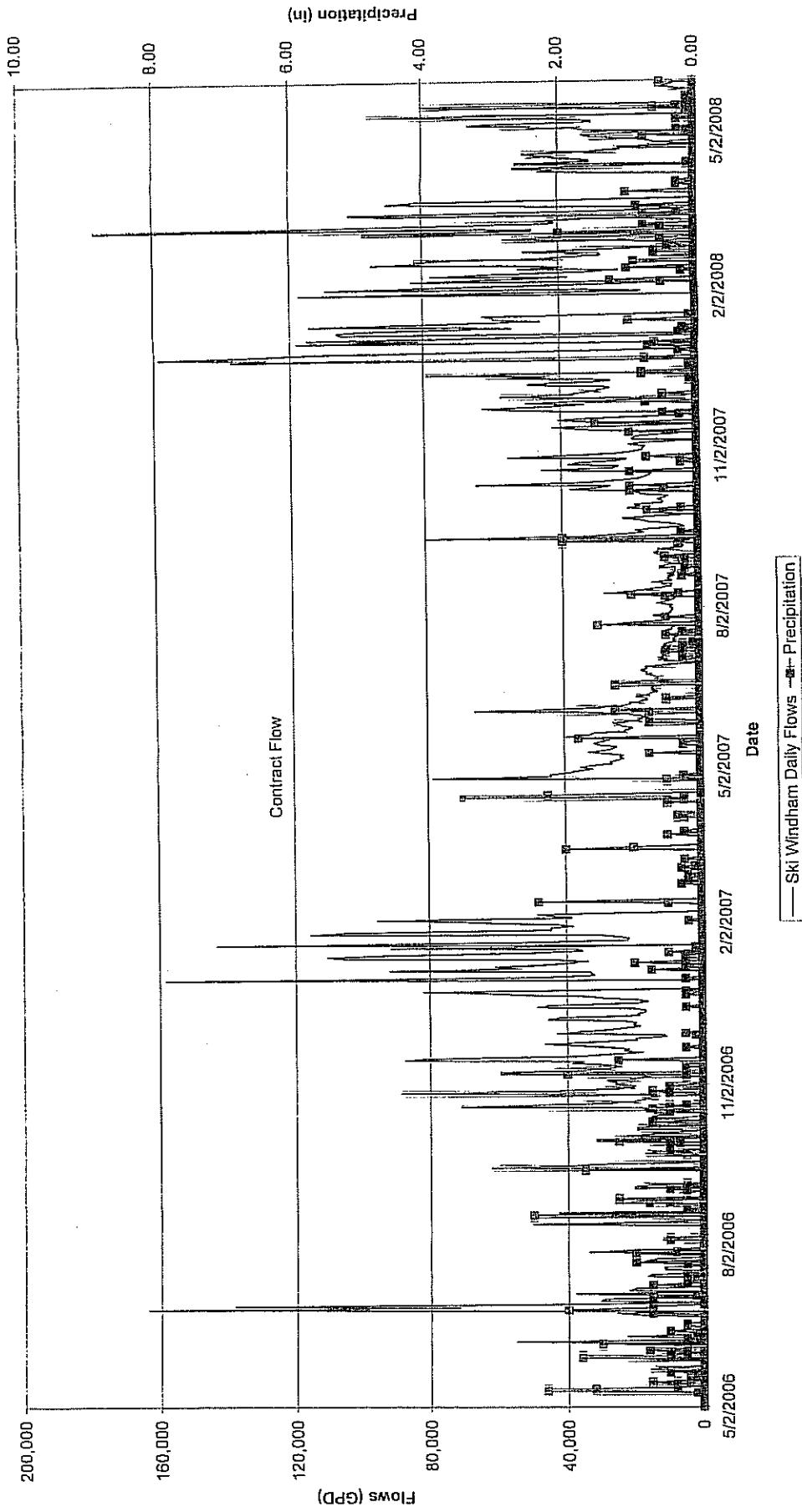
Town of Windham
Windham Mountain Village Monthly Average Flow
(Contract Flow = 30,500 GPD)



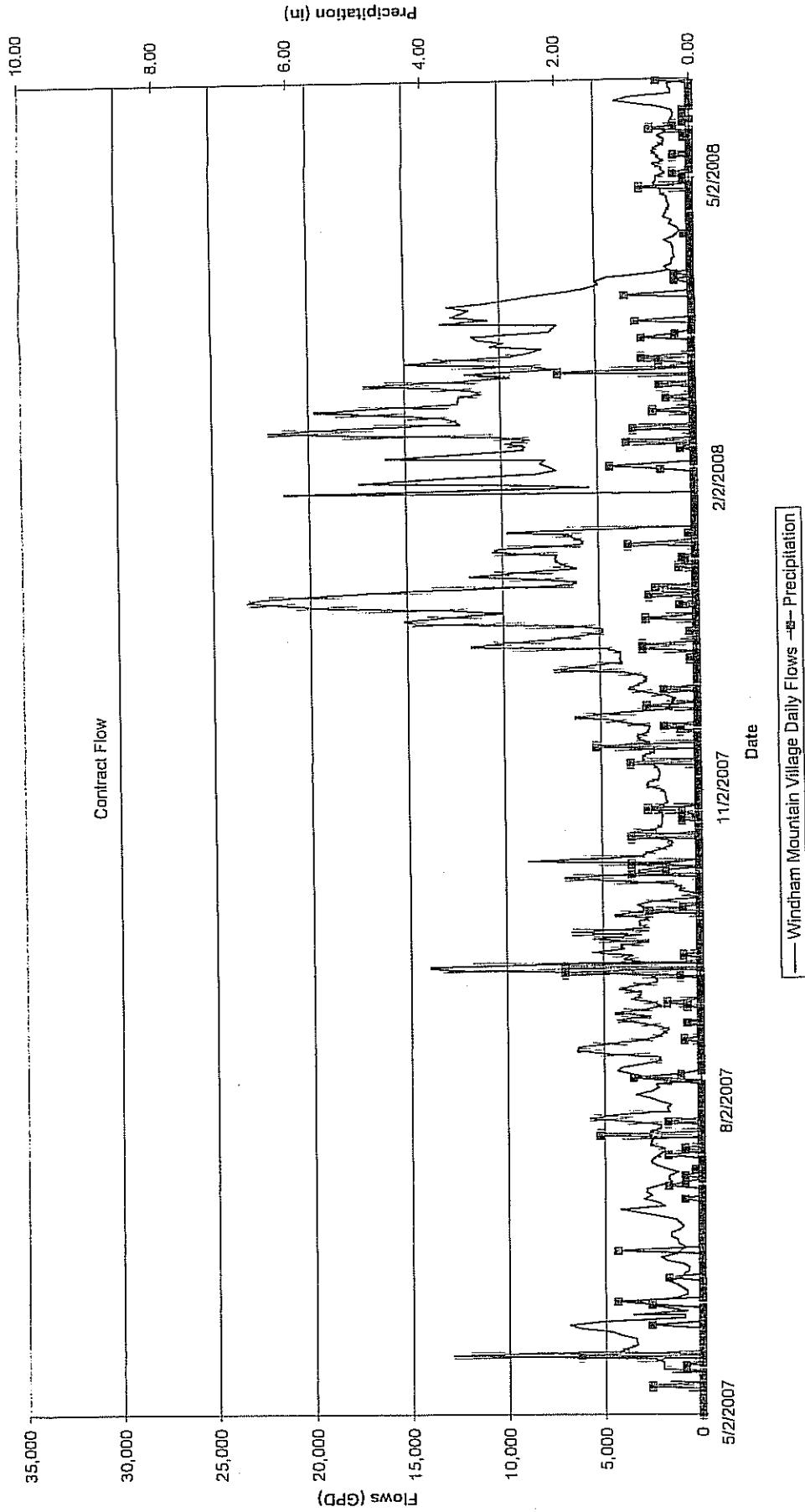
Town of Windham
Thompson House Pump Station Monthly Average Flow
(Contract Flow = 4,775 GPD)



Ski Windham Daily Flows
(Contract Flow = 120,000 GPD)



Windham Mountain Village Daily Flows
(Contract Flow = 30,500 GPD)



Thompson House Daily Flows
(Contract Flow = 4,775 GPD)

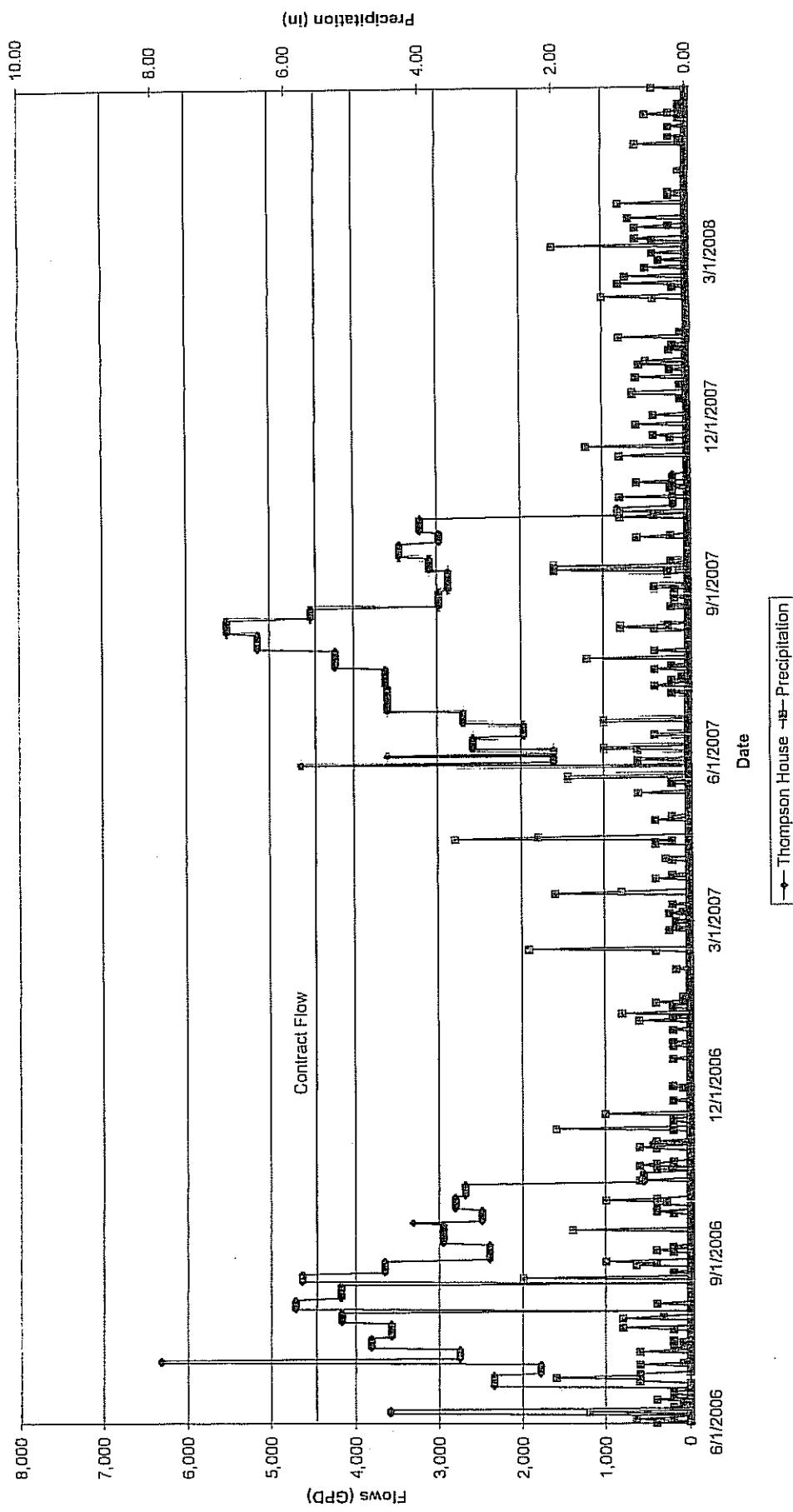


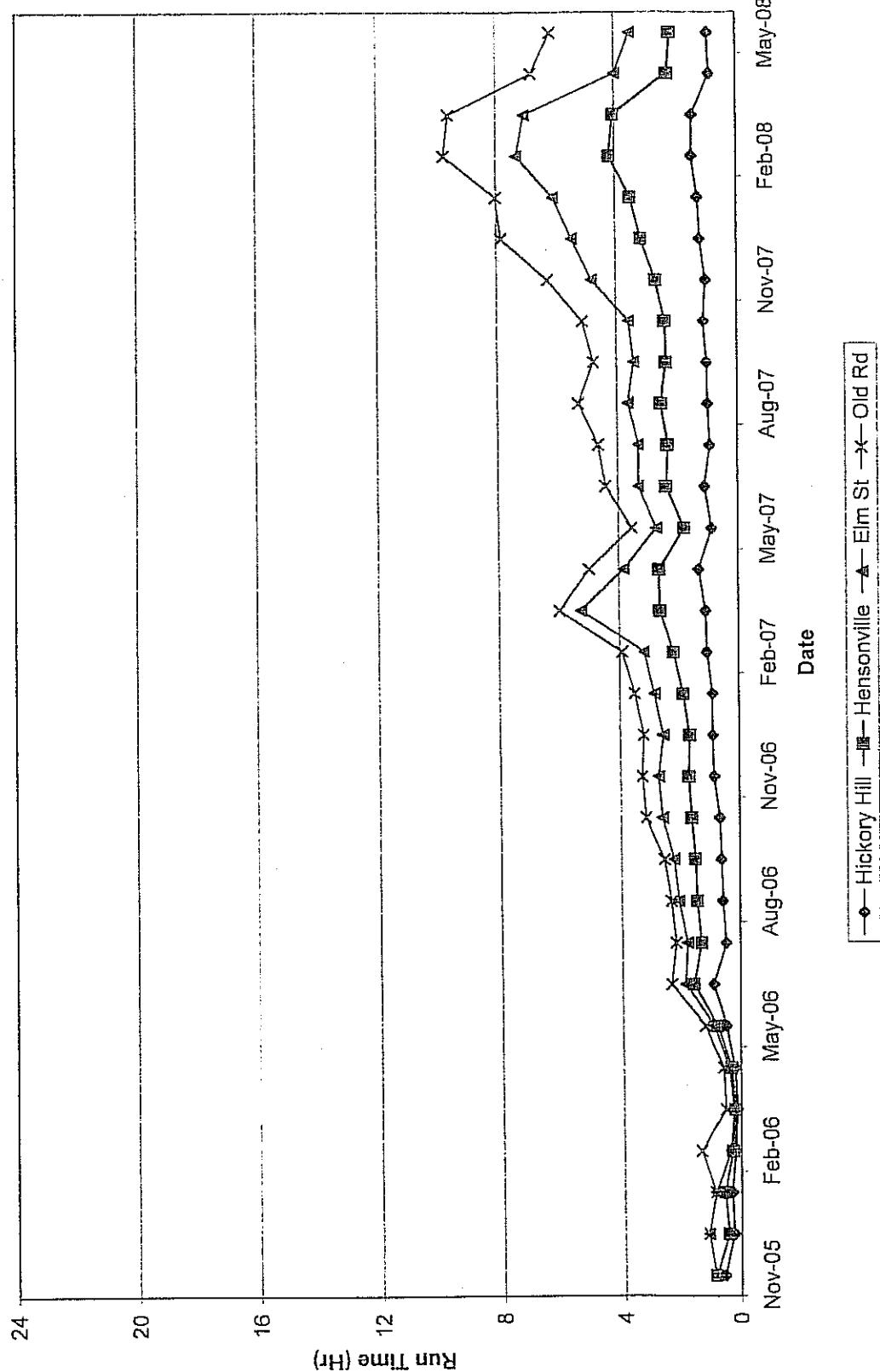
Exhibit C

Pump Stations Run Times

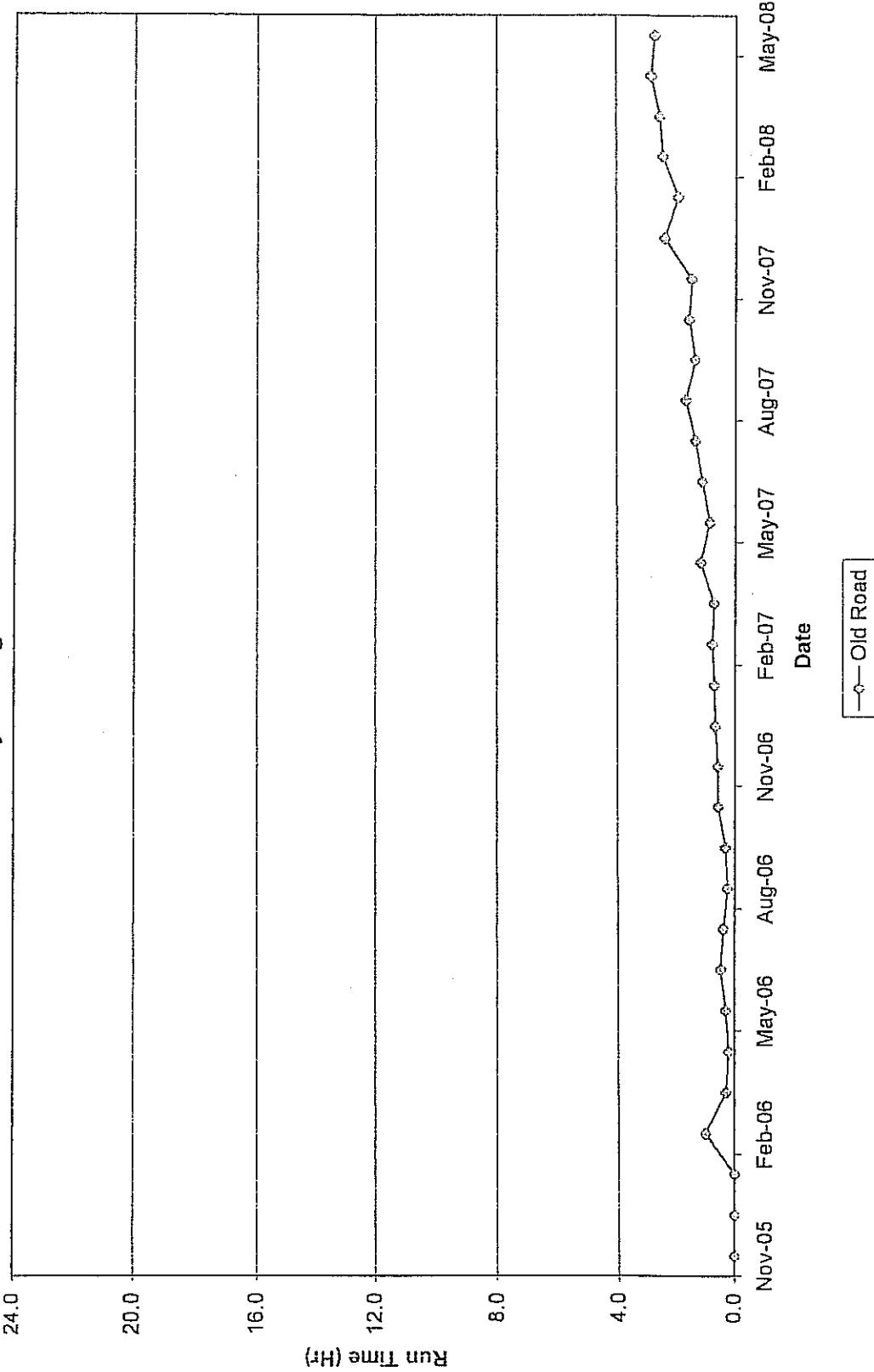
- Old Road Pump Station
- Hickory Hill Pump Station
- Elm Street Pump Station
- Hensonville Pump Station

Pump Stations Monthly Average Run Times

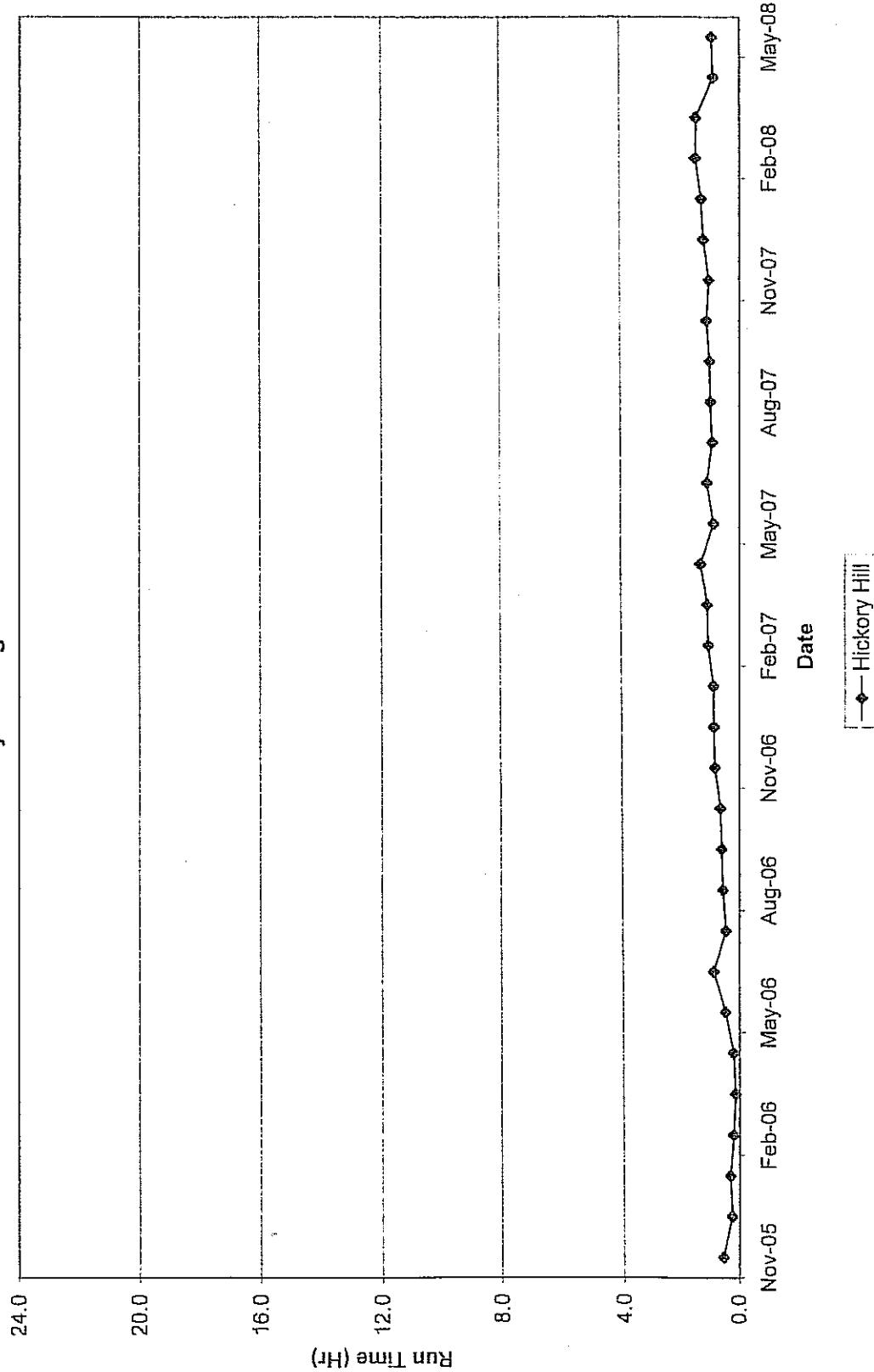
24



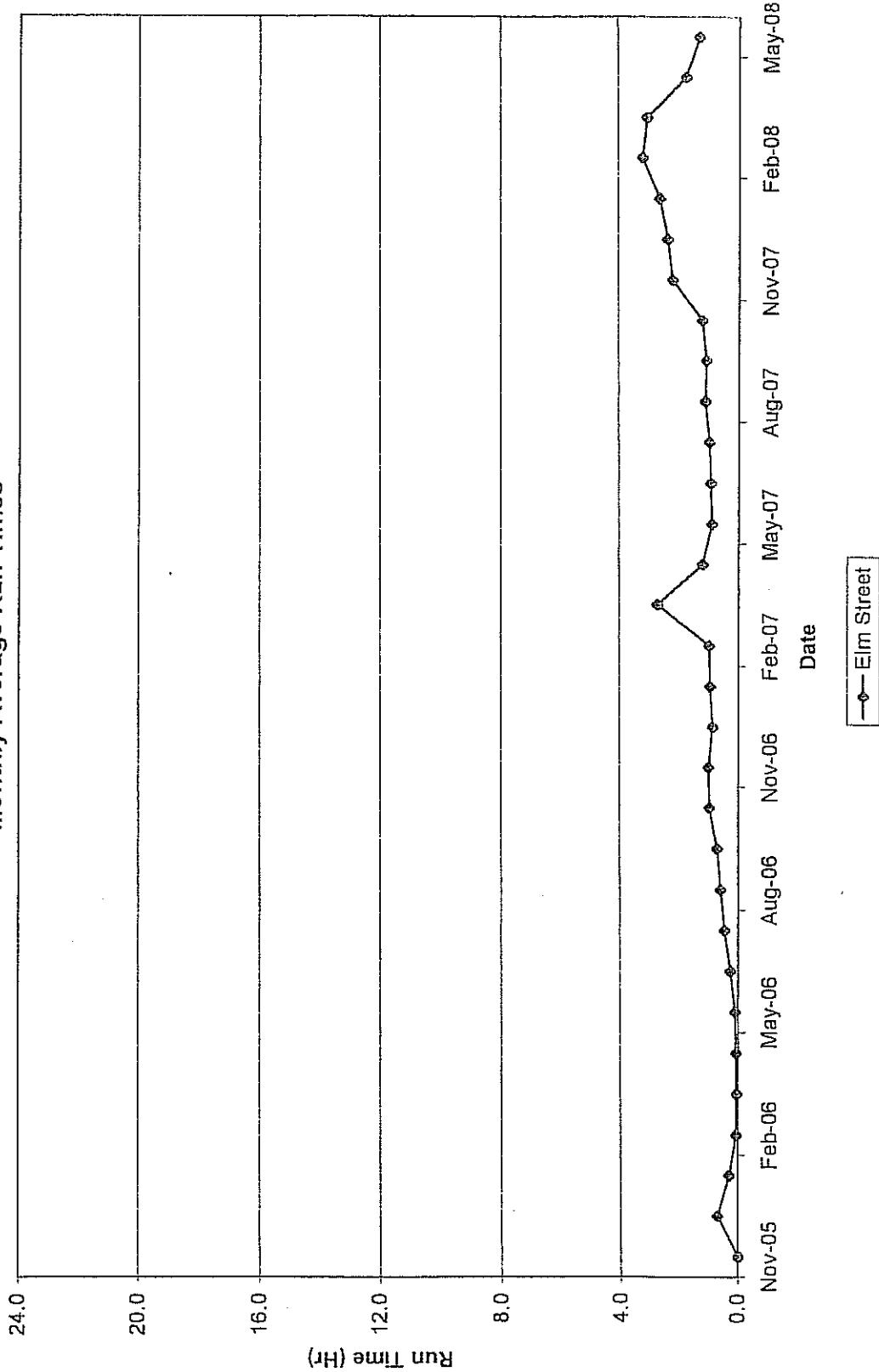
**Town of Windham
Old Road Pump Station
Monthly Average Run Times**



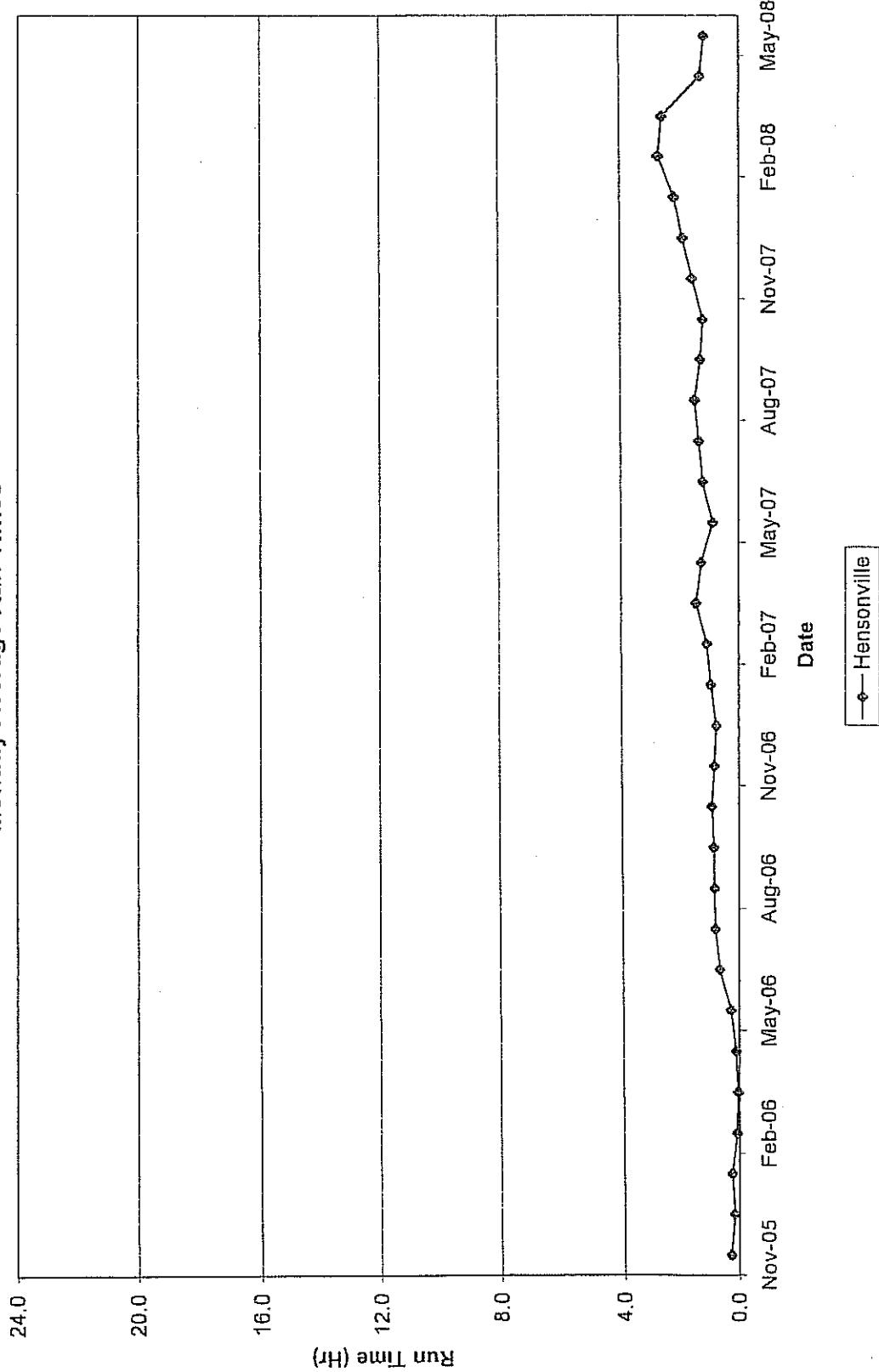
Town of Windham
Hickory Hill Pump Station
Monthly Average Run Times



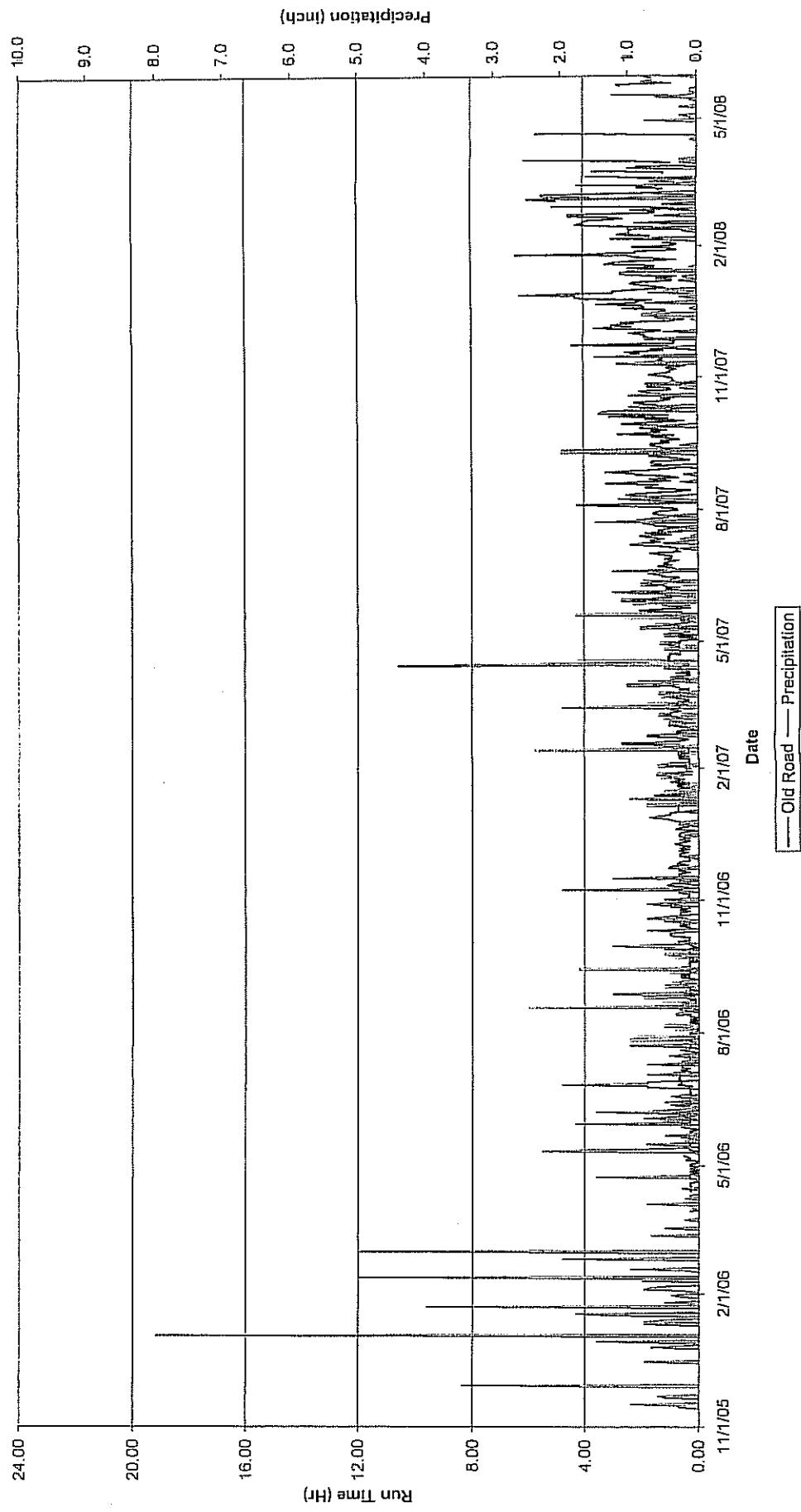
Town of Windham
Elm Street Pump Station
Monthly Average Run Times



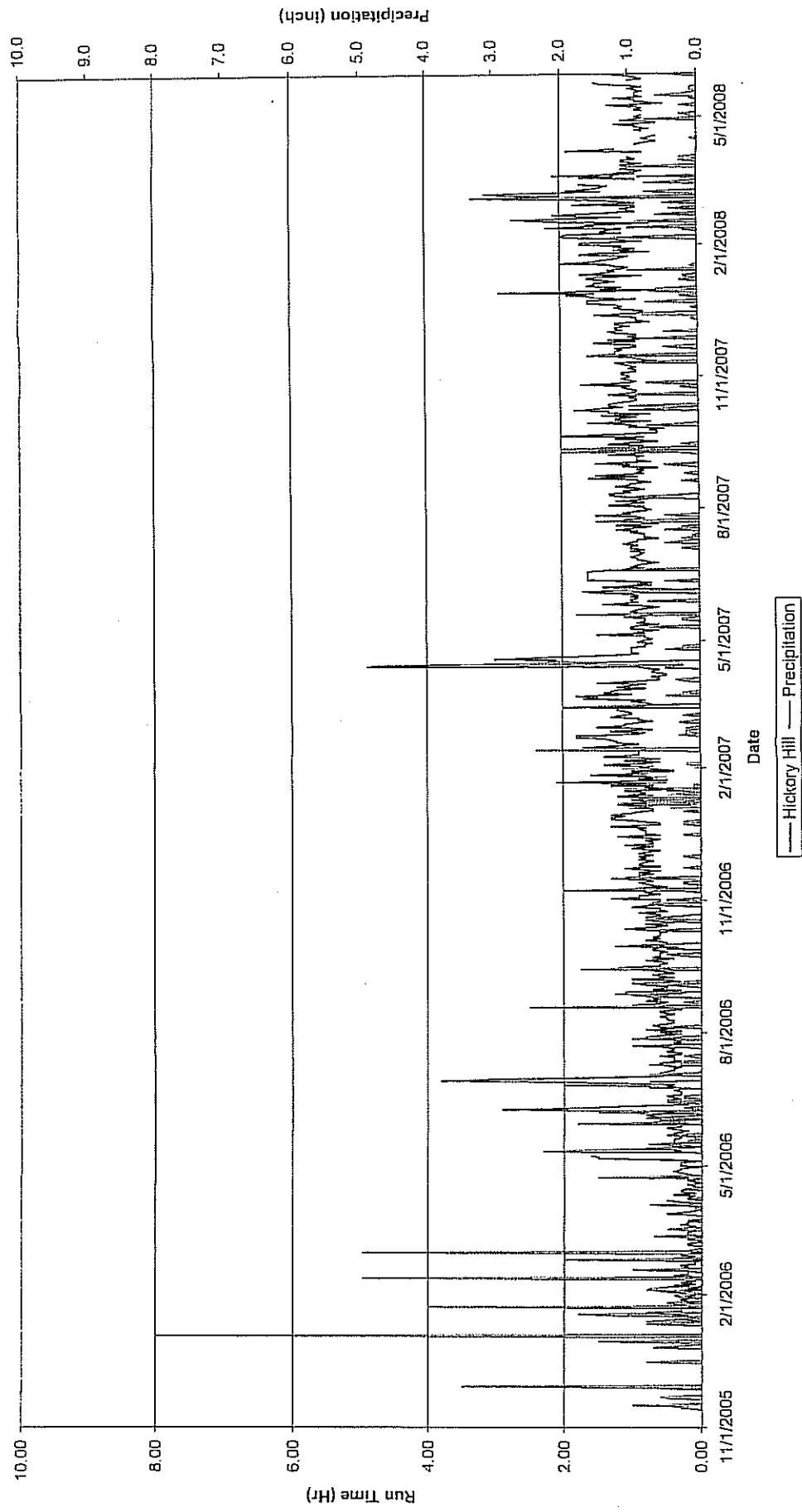
Town of Windham
Hensonville Pump Station
Monthly Average Run Times



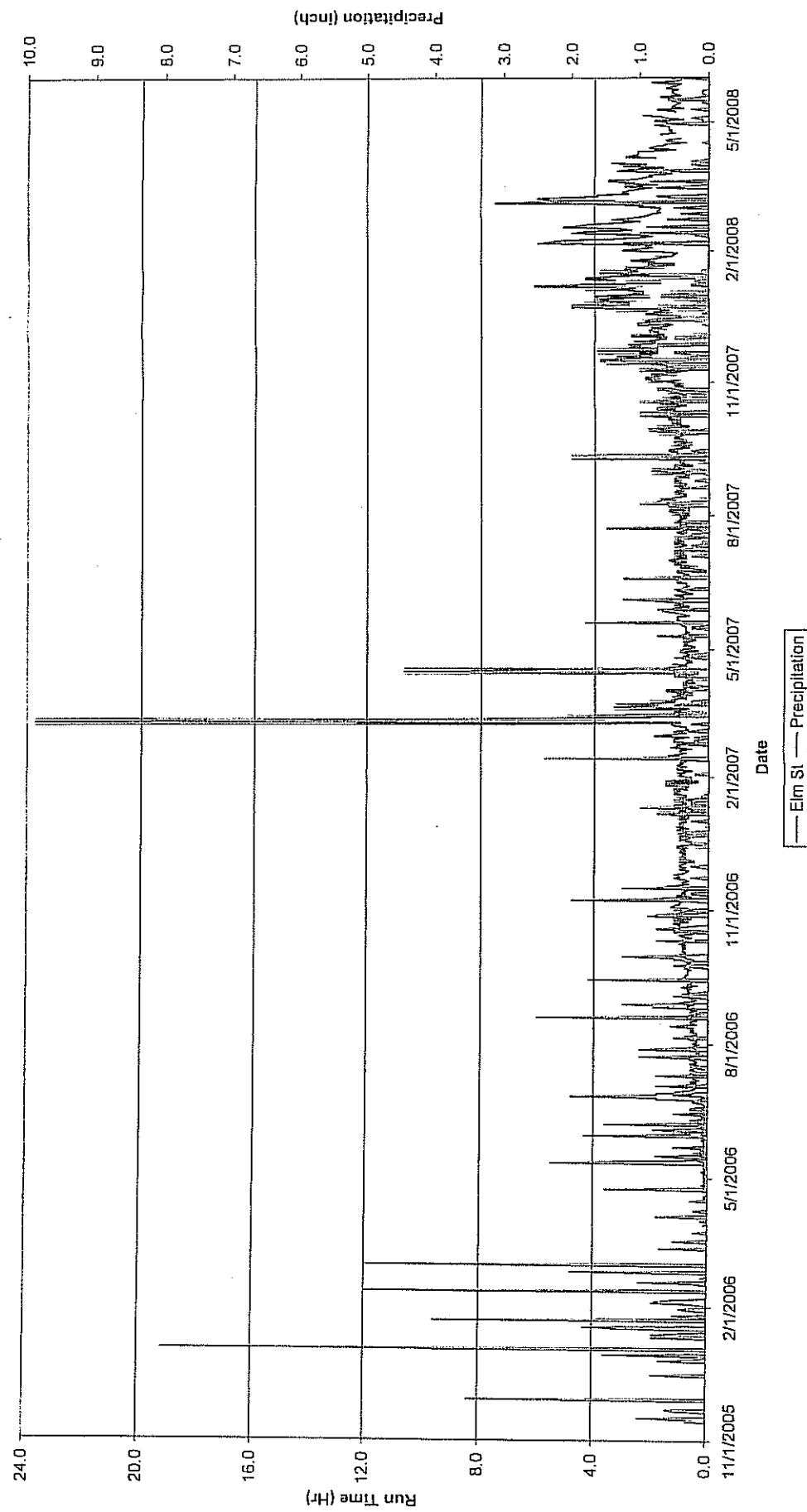
Old Road Pump Station Run Time & Daily Precipitation



Hickory Hill Pump Station Run Time & Daily Precipitation



Elm Street Pump Station Run Time & Daily Precipitation



Hensonville Pump Station Run Time & Daily Precipitation

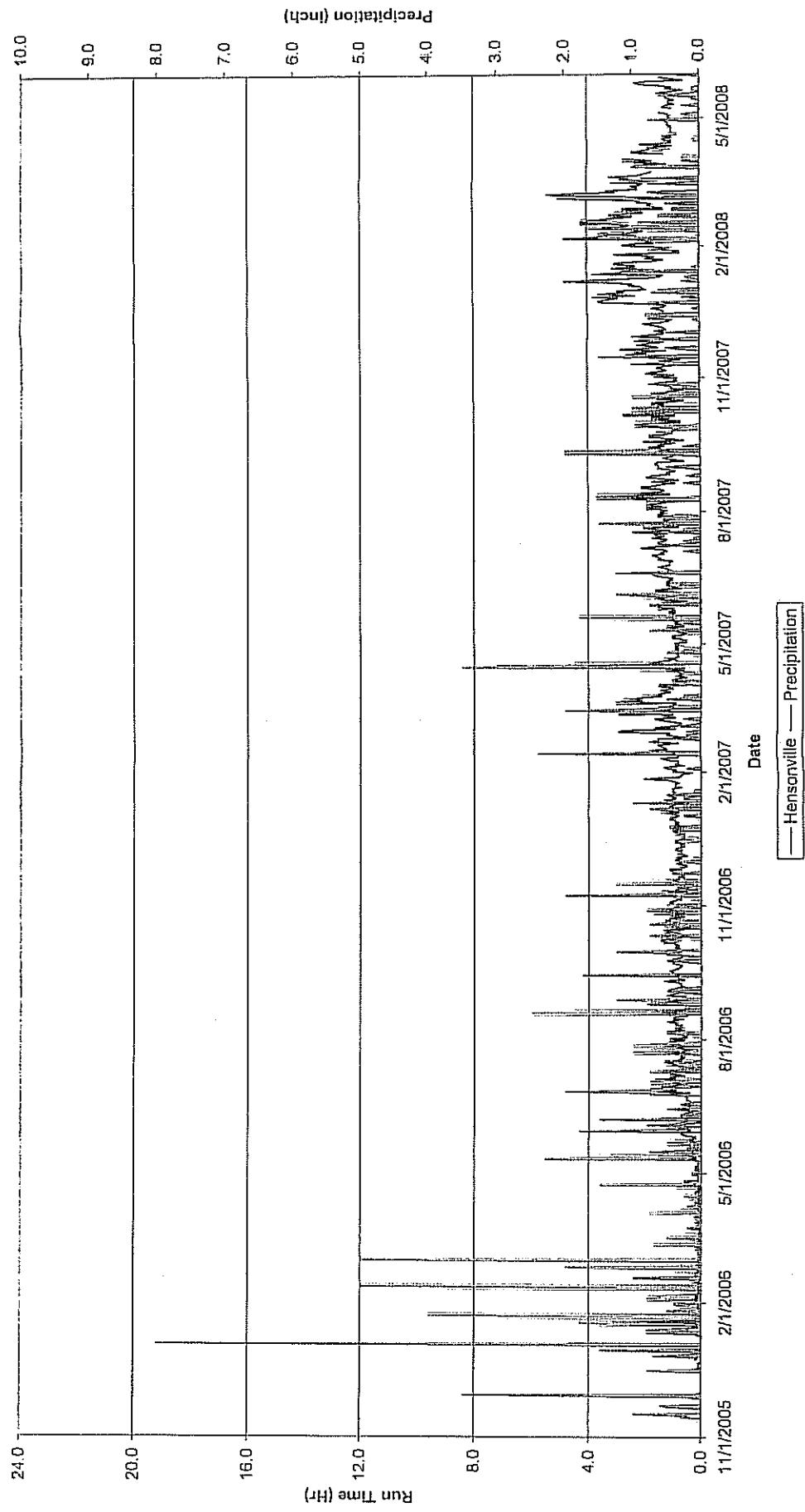


Exhibit D

Projected WWTP Monthly Average Flows

TOWN OF WINDHAM
Projected WWTP Monthly Average Flows
(SPDES Permit = 0.445 MGD)

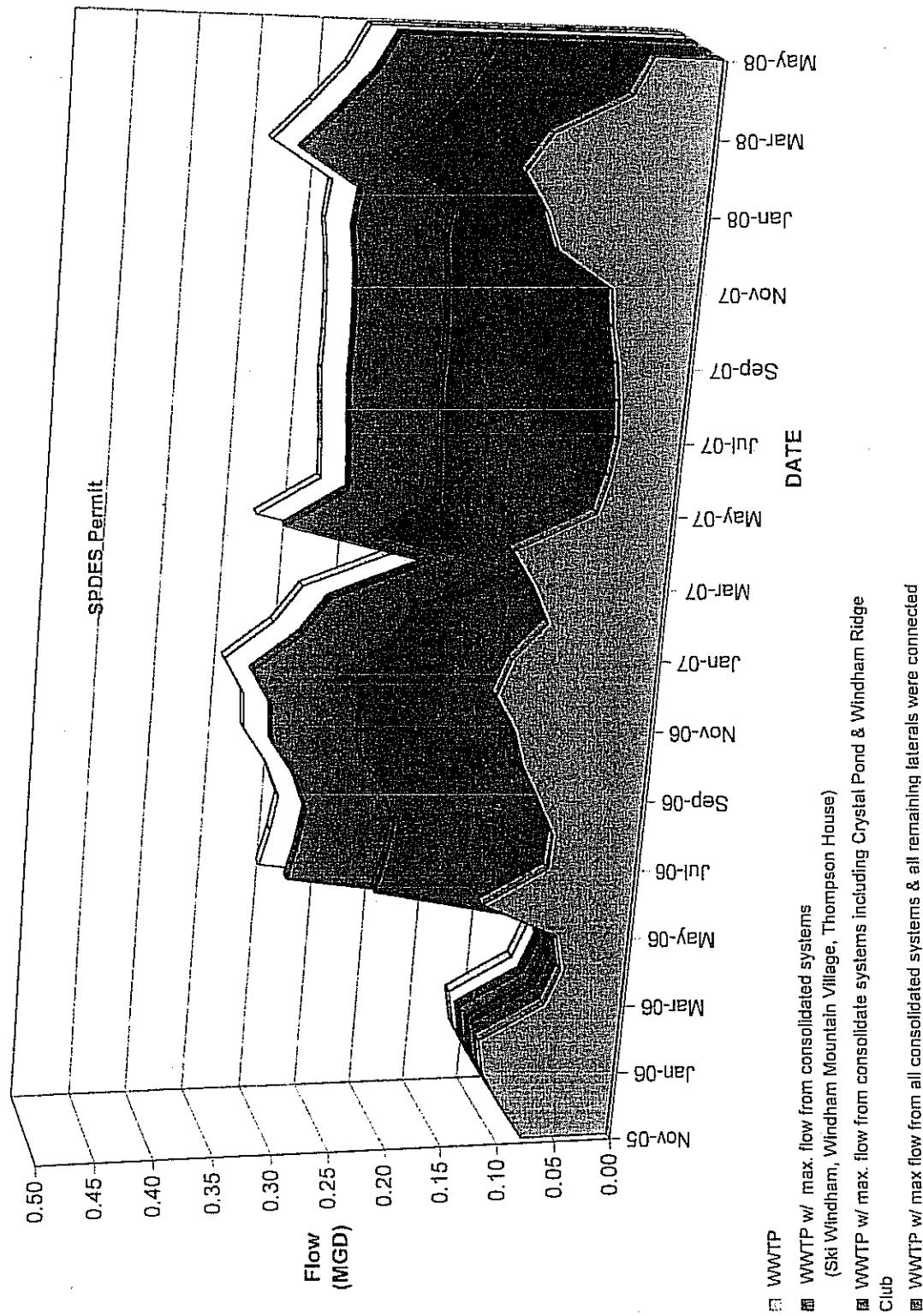


Exhibit E

WWTP System Data

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation Daily Inches	Precipitation Monthly Inches	Influent WWTP Daily Flow (MGD)	Influent WWTP Avg Monthly Flow (MGD)	Hickory Hill PS Daily Run Time (Hour)	Hickory Hill PS Avg Monthly Run Time (hr)	Hannontonville PS Daily Run Time (Hour)	Hannontonville PS Avg Monthly Run Time (hr)	Old Rd PS Daily Run Time (Hour)	Old Rd PS Avg Monthly Run Time (hr)
TUE	11/07/05	-	-	-	-	-	-	-	-	-	-	-
WED	11/08/05	-	-	-	-	-	-	-	-	-	-	-
THU	11/09/05	-	-	-	-	-	-	-	-	-	-	-
FRI	11/10/05	-	-	-	-	-	-	-	-	-	-	-
SAT	11/11/05	-	-	-	-	-	-	-	-	-	-	-
MON	11/12/05	-	-	-	-	-	-	-	-	-	-	-
TUE	11/13/05	-	-	-	-	-	-	-	-	-	-	-
WED	11/14/05	-	-	-	-	-	-	-	-	-	-	-
THU	11/15/05	-	-	-	-	-	-	-	-	-	-	-
FRI	11/16/05	1.00	-	-	-	-	-	-	-	-	-	-
SAT	11/17/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	11/18/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	11/19/05	0.00	-	-	-	-	-	-	-	-	-	-
TUE	11/20/05	0.30	-	-	-	-	-	-	-	-	-	-
WED	11/21/05	0.20	-	-	-	-	-	-	-	-	-	-
THU	11/22/05	1.00	-	-	-	-	-	-	-	-	-	-
FRI	11/23/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	11/24/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	11/25/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	11/26/05	0.50	-	-	-	-	-	-	-	-	-	-
TUE	11/27/05	0.60	-	-	-	-	-	-	-	-	-	-
WED	11/28/05	0.00	-	-	-	-	-	-	-	-	-	-
THU	11/29/05	0.00	-	-	-	-	-	-	-	-	-	-
FRI	11/30/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	11/31/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	12/01/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	12/02/05	0.00	-	-	-	-	-	-	-	-	-	-
TUE	12/03/05	3.50	-	-	-	-	-	-	-	-	-	-
WED	11/04/05	0.00	-	-	-	-	-	-	-	-	-	-
THU	12/05/05	0.00	-	-	-	-	-	-	-	-	-	-
FRI	12/06/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	12/07/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	12/08/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	12/09/05	0.00	-	-	-	-	-	-	-	-	-	-
TUE	12/10/05	0.00	-	-	-	-	-	-	-	-	-	-
WED	12/11/05	0.00	-	-	-	-	-	-	-	-	-	-
THU	12/12/05	0.00	-	-	-	-	-	-	-	-	-	-
FRI	12/13/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	12/14/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	12/15/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	12/16/05	0.00	-	-	-	-	-	-	-	-	-	-
TUE	12/17/05	0.00	-	-	-	-	-	-	-	-	-	-
WED	12/18/05	0.00	-	-	-	-	-	-	-	-	-	-
THU	12/19/05	0.00	-	-	-	-	-	-	-	-	-	-
FRI	12/20/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	12/21/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	12/22/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	12/23/05	0.00	-	-	-	-	-	-	-	-	-	-
TUE	12/24/05	0.00	-	-	-	-	-	-	-	-	-	-
WED	12/25/05	0.00	-	-	-	-	-	-	-	-	-	-
THU	12/26/05	0.00	-	-	-	-	-	-	-	-	-	-
FRI	12/27/05	0.00	-	-	-	-	-	-	-	-	-	-
SAT	12/28/05	0.00	-	-	-	-	-	-	-	-	-	-
SUN	12/29/05	0.00	-	-	-	-	-	-	-	-	-	-
MON	12/30/05	0.00	-	-	-	-	-	-	-	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation Daily Inches	Precipitation Inches	Precipitation Monthly Avg Inches	Daily Notes	Daily Flow (MGD)	Influent WWTP Daily Flow (MGD)	Influent WWTP Avg Monthly Flow (MGD)	Hickory Hill PS Daily Run Time (Hour)	Hickory Hill PS Avg Monthly Run Time (Hr)	Hanoverville PS Daily Run Time (Hour)	Hanoverville PS Avg Monthly Run Time (Hr)	Elm St PS Daily Run Time (Hour)	Elm St PS Avg Monthly Run Time (Hr)	Old Rd PS Daily Run Time (Hour)	Old Rd PS Avg Monthly Run Time (Hr)	
TUE	12/27/05	0.25					0.1993											
WED	12/28/05	0.00					0.1909											
THU	12/29/05	0.00					0.2397											
FRI	12/30/05	1.50					0.2402											
Dec 05	SAT	12/31/05	0.00		0.10		0.2755	0.0073		0.30		0.20						
SUN	01/01/06	0.00					0.1944											
MON	01/02/06	0.00					0.0709											
TUE	01/03/06	0.00					0.0407											
WED	01/04/06	0.03					0.0822											
THU	01/05/06	0.00					0.0828											
FRI	01/06/06	0.00					0.0774											
SAT	01/07/06	0.00					0.1936											
SUN	01/08/06	0.00					0.0302											
MON	01/09/06	0.00					0.0360											
TUE	01/10/06	0.00					0.0680											
WED	01/11/06	0.00					0.0854											
THU	01/12/06	0.00					0.0755											
FRI	01/13/06	0.00					0.1017											
SAT	01/14/06	0.40					0.2651											
SUN	01/15/06	0.00					0.1753											
MON	01/16/06	0.00					0.0400											
TUE	01/17/06	1.30					0.0920											
WED	01/18/06	1.50					0.1301											
THU	01/19/06	0.00					0.1330											
FRI	01/20/06	0.00					0.1271											
SAT	01/21/06	0.00					0.1020											
SUN	01/22/06	0.00					0.0938											
MON	01/23/06	4.00					0.0751											
TUE	01/24/06	0.00					0.0772											
WED	01/25/06	0.00					0.0800											
THU	01/26/06	0.50					0.0662											
FRI	01/27/06	0.00					0.0910											
SAT	01/28/06	0.00					0.2303											
SUN	01/29/06	0.00					0.0877											
MON	01/30/06	0.30					0.0700											
Jan 05	TUE	01/31/06	0.40				0.59											
WED	02/01/06	0.00					0.0932											
THU	02/02/06	0.00					0.0884											
FRI	02/03/06	0.25					0.1179											
SAT	02/04/06	0.00					0.1941											
SUN	02/05/06	0.75					0.1487											
MON	02/06/06	0.60					0.1080											
TUE	02/07/06	0.00					0.0972											
WED	02/08/06	0.00					0.0724											
THU	02/09/06	0.00					0.0858											
FRI	02/10/06	0.00					0.1212											
SAT	02/11/06	0.00					0.1697											
SUN	02/12/06	5.00					0.1467											
MON	02/13/06	0.00					0.1159											
TUE	02/14/06	0.00					0.0729											
WED	02/15/06	0.00					0.0910											
THU	02/16/06	0.00					0.0970											
FRI	02/17/06	0.20					0.0732											
SAT	02/18/06	0.00					0.0915											
SUN	02/19/06	1.00					0.2212											
MON	02/20/06	0.00					0.2915											
TUE	02/21/06	0.00					0.0808											
WED	02/22/06	0.00					0.0762											
THU	02/23/06	0.00					0.0656											
FRI	02/24/06	0.00					0.0732											
SAT	02/25/06	0.20					0.0915											
SUN	02/26/06	0.00					0.0919											
MON	02/27/06	0.00					0.2227											
																		0.73

Started

Town of Windham

Month	Day	Date	Precipitation			Influent WWTP			Hickory Hill PS			Hammondville PS			Elm St PS			Old Rd PS		
			Daily In/day	Daily Nets	Monthly Avg In/day	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	
March	TUE	03/21/06	0.00			0.1201			0.10			0.20			0.20			0.20		
	WED	03/22/06	0.00			0.1263			0.10			0.10			0.10			0.10		
	THU	03/23/06	0.00			0.1252			0.10			0.10			0.10			0.10		
	FRI	03/24/06	0.00			0.1217			0.10			0.10			0.10			0.10		
	SAT	03/25/06	2.00		2 nd SNOW	0.1879			0.10			0.10			0.10			0.10		
	SUN	03/26/06	0.00			0.1135			0.20			0.20			0.20			0.20		
Mar-06	TUE	03/27/06	0.00			0.0784			0.10			0.10			0.10			0.10		
	WED	03/28/06	0.00			0.2629			0.20			0.20			0.20			0.20		
	THU	03/29/06	5.00		5 th SNOW	0.1217			0.20			0.20			0.20			0.20		
	FRI	03/30/06	0.00			0.0390			0.00			0.00			0.00			0.00		
	SAT	03/31/06	0.00			0.0846			0.20			0.20			0.20			0.20		
	SUN	04/01/06	0.00			0.1347			0.10			0.10			0.10			0.10		
	MON	04/02/06	0.00			0.1053			0.00			0.00			0.00			0.00		
	TUE	04/03/06	0.00			0.0316			0.00			0.00			0.00			0.00		
	WED	04/04/06	0.00			0.0604			0.20			0.20			0.20			0.20		
	THU	04/05/06	0.00			0.0344			0.20			0.20			0.20			0.20		
	FRI	04/06/06	0.00			0.0324			0.00			0.00			0.00			0.00		
	SAT	04/07/06	0.00			0.0592			0.00			0.00			0.00			0.00		
	SUN	04/08/06	0.00			0.1154			0.20			0.20			0.20			0.20		
	MON	04/09/06	0.00			0.0844			0.10			0.10			0.10			0.10		
	TUE	04/10/06	0.00			0.0728			0.00			0.00			0.00			0.00		
	WED	04/11/06	0.00			0.1287			0.20			0.20			0.20			0.20		
	THU	04/12/06	0.00			0.0584			0.20			0.20			0.20			0.20		
	FRI	04/13/06	0.00			0.0556			0.00			0.00			0.00			0.00		
	SAT	04/14/06	0.50		5 th SNOW	0.0711			0.10			0.10			0.10			0.10		
	SUN	04/15/06	0.00			0.1681			0.20			0.20			0.20			0.20		
	MON	04/16/06	0.70			0.0656			0.00			0.00			0.00			0.00		
	TUE	04/17/06	0.00			0.1237			0.20			0.20			0.20			0.20		
	WED	04/18/06	0.00			0.0584			0.20			0.20			0.20			0.20		
	THU	04/19/06	0.00			0.0556			0.20			0.20			0.20			0.20		
	FRI	04/20/06	0.00			0.0711			0.10			0.10			0.10			0.10		
	SAT	04/21/06	0.50		5 th SNOW	0.1681			0.20			0.20			0.20			0.20		
	SUN	04/22/06	0.00			0.0856			0.20			0.20			0.20			0.20		
	MON	04/23/06	0.00			0.0744			0.10			0.10			0.10			0.10		
	TUE	04/24/06	0.00			0.0503			0.30			0.30			0.30			0.30		
	WED	04/25/06	0.00			0.0364			0.20			0.20			0.20			0.20		
	THU	04/26/06	0.00			0.0532			0.20			0.20			0.20			0.20		
	FRI	04/27/06	0.00			0.0658			0.10			0.10			0.10			0.10		
	SAT	04/28/06	0.00			0.0542			0.20			0.20			0.20			0.20		
	SUN	04/29/06	0.00			0.0597			0.00			0.00			0.00			0.00		
	MON	04/30/06	0.00			0.0591			0.00			0.00			0.00			0.00		
	TUE	05/01/06	0.00			0.0723			0.10			0.10			0.10			0.10		
	WED	05/02/06	0.00			0.0588			0.50			0.50			0.50			0.50		
	THU	05/03/06	0.00			0.0972			0.20			0.20			0.20			0.20		
May-06	FRI	05/04/06	0.00			0.0945			0.21			0.21			0.21			0.21		
	SAT	05/05/06	0.00			0.0726			0.00			0.00			0.00			0.00		
	SUN	05/06/06	0.00			0.0712			0.00			0.00			0.00			0.00		
	MON	05/07/06	0.00			0.0826			0.10			0.10			0.10			0.10		
	TUE	05/08/06	0.00			0.0825			0.10			0.10			0.10			0.10		
	WED	05/09/06	0.00			0.0804			0.00			0.00			0.00			0.00		
	THU	05/10/06	0.00			0.0468			0.30			0.30			0.30			0.30		
	FRI	05/11/06	0.00			0.0516			0.50			0.50			0.50			0.50		
	SAT	05/12/06	0.00			0.0516			0.00			0.00			0.00			0.00		
	SUN	05/13/06	0.00			0.0421			0.20			0.20			0.20			0.20		
	MON	05/14/06	0.00			0.0421			0.10			0.10			0.10			0.10		
	TUE	05/15/06	0.00			0.0476			0.50			0.50			0.50			0.50		
	WED	05/16/06	0.00			0.0494			0.40			0.40			0.40			0.40		
	THU	05/17/06	0.00			0.0446			0.10			0.10			0.10			0.10		
	FRI	05/18/06	0.00			0.0455			0.30			0.30			0.30			0.30		
	SAT	05/19/06	0.00			0.0478			0.30			0.30			0.30			0.30		
	SUN	05/20/06	0.25			0.0577			0.20			0.20			0.20			0.20		
	MON	05/21/06	0.00			0.0577			0.10			0.10			0.10			0.10		
	TUE	05/22/06	0.00			0.0476			0.00			0.00			0.00			0.00		
	WED	05/23/06	0.00			0.0446			0.10			0.10			0.10			0.10		
	THU	05/24/06	0.00			0.0453			0.10			0.10			0.10			0.10		
	FRI	05/25/06	0.00			0.0463			0.00			0.00			0.00			0.00		
	SAT	05/26/06	0.00			0.0478			0.10			0.10			0.10			0.10		
	SUN	05/27/06	0.00			0.0577			0.20			0.20			0.20			0.20		
	MON	05/28/06	0.00			0.0463			0.10			0.10			0.10			0.10		

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation	Precipitation	Influent WWTP	Influent WWTP	Hickory Hill PS	Hickory Hill PS	Hannaville PS	Hannaville PS	Elim SPS	Elim SPS	Old Rd PS	Old Rd PS
			Daily Intensity	Monthly Avg	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)
TUE	04/20/05	0.00	0.00	0.00	0.0455	0.0455	0.20	0.20	0.00	0.10	0.00	0.10	0.31	0.31
WED	04/21/05	0.00	0.00	0.00	0.0502	0.0502	0.10	0.10	0.00	0.10	0.00	0.10	0.30	0.30
THU	04/22/05	0.00	0.00	0.00	0.0509	0.0509	0.20	0.20	0.00	0.10	0.00	0.10	0.30	0.30
FRI	04/23/05	0.00	0.00	0.00	0.0502	0.0502	0.00	0.00	0.00	0.10	0.00	0.10	0.30	0.30
SAT	04/24/05	1.50	0.00	0.00	0.1001	0.1001	0.00	0.20	0.00	0.20	0.00	0.20	0.31	0.31
SUN	04/25/05	0.00	0.00	0.00	0.0843	0.0843	0.10	0.10	0.00	0.20	0.00	0.20	0.31	0.31
TUE	04/26/05	0.00	0.00	0.00	0.0972	0.0972	0.20	0.20	0.00	0.20	0.00	0.20	0.31	0.31
WED	04/27/05	0.00	0.00	0.00	0.0772	0.0772	0.30	0.30	0.00	0.10	0.00	0.10	0.30	0.30
THU	04/28/05	0.00	0.00	0.00	0.0530	0.0530	0.10	0.10	0.00	0.20	0.00	0.20	0.30	0.30
FRI	04/29/05	0.00	0.00	0.00	0.0453	0.0453	0.30	0.30	0.00	0.10	0.00	0.10	0.31	0.31
SAT	04/30/05	0.00	0.00	0.00	0.0412	0.0412	0.30	0.30	0.00	0.10	0.00	0.10	0.30	0.30
SUN	05/01/05	0.00	0.00	0.00	0.0391	0.0391	0.00	0.20	0.00	0.30	0.00	0.12	0.30	0.30
TUE	05/02/05	0.00	0.00	0.00	0.0426	0.0426	0.30	0.30	0.00	0.10	0.00	0.10	0.31	0.31
WED	05/03/05	0.00	0.00	0.00	0.0423	0.0423	0.30	0.30	0.00	0.10	0.00	0.10	0.30	0.30
THU	05/04/05	0.00	0.00	0.00	0.0408	0.0408	0.30	0.30	0.00	0.10	0.00	0.10	0.30	0.30
FRI	05/05/05	0.00	0.00	0.00	0.0370	0.0370	0.00	0.20	0.00	0.10	0.00	0.10	0.30	0.30
SAT	05/06/05	0.00	0.00	0.00	0.0371	0.0371	0.40	0.40	0.00	0.20	0.00	0.20	0.30	0.30
SUN	05/07/05	0.00	0.00	0.00	0.0765	0.0765	1.50	1.50	0.00	0.10	0.00	0.10	0.44	0.44
TUE	05/08/05	0.00	0.00	0.00	0.0774	0.0774	1.50	1.50	0.00	0.10	0.00	0.10	0.30	0.30
WED	05/09/05	0.00	0.00	0.00	0.0841	0.0841	1.60	1.60	0.00	0.10	0.00	0.10	0.40	0.40
THU	05/10/05	0.10	0.10	0.10	0.0519	0.0519	0.00	0.25	0.00	0.20	0.00	0.20	0.53	0.53
FRI	05/11/05	2.30	0.00	0.00	0.0325	0.0325	0.00	0.20	0.00	0.20	0.00	0.20	0.30	0.30
SAT	05/12/05	0.00	0.00	0.00	0.0331	0.0331	0.30	0.30	0.00	0.10	0.00	0.10	0.24	0.24
SUN	05/13/05	1.60	0.00	0.00	0.1556	0.1556	0.40	0.40	0.00	0.20	0.10	0.20	0.30	0.30
TUE	05/14/05	0.40	0.40	0.40	0.1199	0.1199	0.80	0.80	0.00	0.20	0.10	0.20	0.33	0.33
WED	05/15/05	0.50	0.50	0.50	0.0879	0.0879	0.30	0.30	0.00	0.20	0.10	0.20	0.31	0.31
THU	05/16/05	0.78	0.78	0.78	0.0739	0.0739	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
FRI	05/17/05	0.00	0.00	0.00	0.1020	0.1020	0.40	0.40	0.00	0.20	0.10	0.20	0.30	0.30
SAT	05/18/05	0.20	0.20	0.20	0.0854	0.0854	0.40	0.40	0.00	0.20	0.10	0.20	0.33	0.33
SUN	05/19/05	0.00	0.00	0.00	0.0630	0.0630	0.40	0.40	0.00	0.20	0.10	0.20	0.32	0.32
TUE	05/20/05	0.00	0.00	0.00	0.0921	0.0921	0.40	0.40	0.00	0.20	0.10	0.20	0.31	0.31
WED	05/21/05	0.10	0.10	0.10	0.0454	0.0454	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
THU	05/22/05	0.00	0.00	0.00	0.0550	0.0550	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
FRI	05/23/05	0.50	0.50	0.50	0.0539	0.0539	0.10	0.10	0.00	0.20	0.10	0.20	0.52	0.52
SAT	05/24/05	0.00	0.00	0.00	0.0459	0.0459	0.40	0.40	0.00	0.20	0.10	0.20	0.38	0.38
SUN	05/25/05	0.00	0.00	0.00	0.0502	0.0502	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
TUE	05/26/05	0.00	0.00	0.00	0.0370	0.0370	0.20	0.20	0.00	0.20	0.10	0.20	0.30	0.30
WED	05/27/05	0.00	0.00	0.00	0.0507	0.0507	0.40	0.40	0.00	0.20	0.10	0.20	0.30	0.30
THU	05/28/05	0.00	0.00	0.00	0.0536	0.0536	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
FRI	05/29/05	0.00	0.00	0.00	0.0522	0.0522	0.30	0.30	0.00	0.20	0.10	0.20	0.30	0.30
SAT	05/30/05	0.00	0.00	0.00	0.0431	0.0431	0.30	0.30	0.00	0.20	0.10	0.20	0.32	0.32
SUN	05/31/05	0.00	0.00	0.00	0.0370	0.0370	0.20	0.20	0.00	0.20	0.10	0.20	0.32	0.32
TUE	06/01/05	0.25	0.25	0.25	0.0842	0.0842	0.10	0.10	0.00	0.20	0.10	0.20	0.38	0.38
WED	06/02/05	0.50	0.50	0.50	0.0650	0.0650	0.40	0.40	0.00	0.20	0.10	0.20	0.38	0.38
THU	06/03/05	0.00	0.00	0.00	0.0370	0.0370	0.20	0.20	0.00	0.20	0.10	0.20	0.32	0.32
FRI	06/04/05	0.00	0.00	0.00	0.1727	0.1727	0.60	0.60	0.00	0.20	0.10	0.20	0.30	0.30
SAT	06/05/05	0.25	0.25	0.25	0.1055	0.1055	0.60	0.60	0.00	0.20	0.10	0.20	0.30	0.30
SUN	06/06/05	0.00	0.00	0.00	0.1410	0.1410	0.70	0.70	0.00	0.20	0.10	0.20	0.30	0.30
TUE	06/07/05	1.00	1.00	1.00	0.1234	0.1234	0.60	0.60	0.00	0.20	0.10	0.20	0.34	0.34
WED	06/08/05	0.00	0.00	0.00	0.0870	0.0870	0.20	0.20	0.00	0.20	0.10	0.20	0.32	0.32
THU	06/09/05	1.50	1.50	1.50	0.0842	0.0842	0.40	0.40	0.00	0.20	0.10	0.20	0.32	0.32
FRI	06/10/05	0.00	0.00	0.00	0.1855	0.1855	0.50	0.50	0.00	0.20	0.10	0.20	0.31	0.31
SAT	06/11/05	0.25	0.25	0.25	0.2191	0.2191	1.20	1.20	0.00	0.20	0.10	0.20	1.61	1.61
SUN	06/12/05	0.00	0.00	0.00	0.2225	0.2225	1.70	1.70	0.00	0.20	0.10	0.20	0.67	0.67
TUE	06/13/05	0.00	0.00	0.00	0.1384	0.1384	0.70	0.70	0.00	0.20	0.10	0.20	0.33	0.33
WED	06/14/05	0.00	0.00	0.00	0.1030	0.1030	1.20	1.20	0.00	0.20	0.10	0.20	0.33	0.33

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation			Influent WWTP			Hickory Hill PS			Hannanville PS			Elm St PS			Old Rd PS		
			Daily Rainfall	Daily Notes	Monthly Avg In/day	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	
JUN	06/12/06	0.00				0.0670	0.0595	0.20	0.30	0.50	0.50	0.40	0.40	0.20	0.20	0.30	0.30	0.20	0.20	
TUE	06/13/06	0.10				0.0595	0.0570	0.50	0.50	0.50	0.50	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	
WED	06/14/06	0.50				0.0599	0.0599	0.50	0.50	0.50	0.50	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	
THU	06/15/06	0.00				0.0563	0.0563	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	
FRI	06/16/06	0.00				0.0551	0.0551	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	
SAT	06/17/06	0.25				0.0451	0.0451	0.50	0.50	0.40	0.40	0.40	0.40	0.10	0.10	0.31	0.31	0.31	0.31	
SUN	06/18/06	0.25				0.0510	0.0510	0.30	0.30	0.30	0.30	0.30	0.30	0.10	0.10	0.34	0.34	0.34	0.34	
MON	06/19/06	0.00				0.0556	0.0556	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.30	0.30	0.30	0.30	
TUE	06/20/06	0.00				0.0509	0.0509	0.40	0.40	0.40	0.40	0.40	0.40	0.20	0.20	0.30	0.30	0.30	0.30	
WED	06/21/06	0.00				0.0509	0.0509	0.40	0.40	0.40	0.40	0.40	0.40	0.20	0.20	0.30	0.30	0.30	0.30	
THU	06/22/06	0.00				0.0551	0.0551	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.30	0.30	0.30	0.30	
FRI	06/23/06	0.00				0.0551	0.0551	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.30	0.30	0.30	0.30	
SAT	06/24/06	0.75				0.0848	0.0848	0.40	0.40	0.40	0.40	0.40	0.40	0.20	0.20	0.48	0.48	0.48	0.48	
SUN	06/25/06	0.75				0.0894	0.0894	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.57	0.57	0.57	0.57	
MON	06/26/06	2.00				0.2242	0.2242	0.40	0.40	0.40	0.40	0.40	0.40	0.10	0.10	0.64	0.64	0.64	0.64	
TUE	06/27/06	0.75				0.2402	0.2402	1.20	1.20	1.20	1.20	1.20	1.20	0.20	0.20	0.25	0.25	0.25	0.25	
WED	06/28/06	0.75				0.4433	0.4433	2.10	2.10	2.10	2.10	2.10	2.10	1.20	1.20	0.71	0.71	0.71	0.71	
THU	06/29/06	0.00				0.2931	0.2931	3.60	3.60	3.60	3.60	3.60	3.60	0.50	0.50	0.61	0.61	0.61	0.61	
FRI	06/30/06	0.00				0.31	0.31	0.1202	0.1202	0.30	0.30	0.30	0.30	0.67	0.67	0.63	0.63	0.63	0.63	
SAT	07/01/06	0.00				0.1255	0.1255	1.50	1.50	1.50	1.50	1.50	1.50	0.50	0.50	0.27	0.27	0.27	0.27	
SUN	07/02/06	0.00				0.0890	0.0890	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.32	0.32	0.32	0.32	
MON	07/03/06	0.75				0.1300	0.1300	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.64	0.64	0.64	0.64	
TUE	07/04/06	0.10				0.1359	0.1359	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.59	0.59	0.59	0.59	
WED	07/05/06	0.00				0.1018	0.1018	0.60	0.60	0.60	0.60	0.60	0.60	0.40	0.40	0.59	0.59	0.59	0.59	
THU	07/06/06	0.00				0.0941	0.0941	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.41	0.41	0.41	0.41	
FRI	07/07/06	0.00				0.0703	0.0703	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.32	0.32	0.32	0.32	
SAT	07/08/06	0.00				0.1096	0.1096	0.30	0.30	0.30	0.30	0.30	0.30	1.00	1.00	0.61	0.61	0.61	0.61	
SUN	07/09/06	0.00				0.0892	0.0892	0.50	0.50	0.50	0.50	0.50	0.50	1.10	1.10	0.59	0.59	0.59	0.59	
MON	07/10/06	0.75				0.1053	0.1053	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.21	0.21	0.21	0.21	
TUE	07/11/06	0.00				0.0600	0.0600	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.41	0.41	0.41	0.41	
WED	07/12/06	0.25				0.0850	0.0850	0.30	0.30	0.30	0.30	0.30	0.30	0.50	0.50	0.32	0.32	0.32	0.32	
THU	07/13/06	0.00				0.0815	0.0815	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.31	0.31	0.31	0.31	
FRI	07/14/06	0.00				0.0848	0.0848	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.31	0.31	0.31	0.31	
SAT	07/15/06	0.10				0.0723	0.0723	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.32	0.32	0.32	0.32	
SUN	07/16/06	0.25				0.0836	0.0836	0.60	0.60	0.60	0.60	0.60	0.60	1.30	1.30	0.34	0.34	0.34	0.34	
MON	07/17/06	0.00				0.0970	0.0970	0.30	0.30	0.30	0.30	0.30	0.30	0.50	0.50	0.30	0.30	0.30	0.30	
TUE	07/18/06	0.00				0.0489	0.0489	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	
WED	07/19/06	0.00				0.0800	0.0800	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.31	0.31	0.31	0.31	
THU	07/20/06	0.00				0.0510	0.0510	0.30	0.30	0.30	0.30	0.30	0.30	0.80	0.80	0.31	0.31	0.31	0.31	
FRI	07/21/06	1.00				0.0520	0.0520	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.31	0.31	0.31	0.31	
SAT	07/22/06	0.25				0.0560	0.0560	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.33	0.33	0.33	0.33	
SUN	07/23/06	1.00				0.0761	0.0761	0.70	0.70	0.70	0.70	0.70	0.70	1.40	1.40	0.40	0.40	0.40	0.40	
MON	07/24/06	0.00				0.0615	0.0615	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.31	0.31	0.31	
TUE	07/25/06	0.00				0.0500	0.0500	0.40	0.40	0.40	0.40	0.40	0.40	0.60	0.60	0.31	0.31	0.31	0.31	
WED	07/26/06	0.00				0.0570	0.0570	0.30	0.30	0.30	0.30	0.30	0.30	0.50	0.50	0.32	0.32	0.32	0.32	
THU	07/27/06	0.00				0.0511	0.0511	0.40	0.40	0.40	0.40	0.40	0.40	1.10	1.10	0.31	0.31	0.31	0.31	
FRI	07/28/06	1.00				0.0767	0.0767	0.30	0.30	0.30	0.30	0.30	0.30	0.60	0.60	0.31	0.31	0.31	0.31	
SAT	07/29/06	0.40				0.0804	0.0804	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.33	0.33	0.33	0.33	
SUN	07/30/06	0.50				0.0841	0.0841	0.80	0.80	0.80	0.80	0.80	0.80	1.20	1.20	0.32	0.32	0.32	0.32	
JULY	07/31/06	0.00				0.16	0.16	0.0575	0.0575	0.30	0.30	0.30	0.30	0.10	0.10	0.31	0.31	0.31	0.31	
TUE	08/01/06	0.00				0.0511	0.0511	0.47	0.47	0.47	0.47	0.47	0.47	0.30	0.30	0.45	0.45	0.45	0.45	
WED	08/02/06	0.00				0.0767	0.0767	0.30	0.30	0.30	0.30	0.30	0.30	0.50	0.50	0.32	0.32	0.32	0.32	
THU	08/03/06	0.00				0.0804	0.0804	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.33	0.33	0.33	0.33	
FRI	08/04/06	0.00				0.0841	0.0841	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.33	0.33	0.33	0.33	
SAT	08/05/06	0.50				0.0774	0.0774	0.10	0.10	0.10	0.10	0.10	0.10	0.60	0.60	0.32	0.32	0.32	0.32	
SUN	08/06/06	0.00				0.0769	0.0769	0.70	0.70	0.70	0.70	0.70	0.70	1.20	1.20	0.31	0.31	0.31	0.31	

Town of Winona

Wastewater Treatment Plant (WWTP) Flows

Town of Windham

Waslewater Treatment Plant (WWTP) Projects

Month	Day	Date	Precipitation			Influent WWTP			Hickory Hill PS			Hawkinsville PS			Elm St PS			Old Rd PS			
			Daily Inflow	Daily Run Time (Hour)	Monthly Avg Inflow	Avg Monthly Flow (MGD)	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	
MON	1007005	10/07/05	0.00				0.1056		0.50				0.70		0.60						
TUE	10070105	10/07/05	0.00				0.0960		0.60				0.90		0.90						
WED	10070115	10/07/05	0.00				0.0808		0.80				0.80		0.80						
THU	10070125	10/07/05	0.00				0.0915		0.60				0.80		0.80						
FRI	10070205	10/07/05	0.00				0.0917		0.70				1.00		0.80						
SAT	10070206	10/07/05	0.00				0.1107		0.80				1.30		0.80						
SUN	10070207	10/07/05	0.00				0.1087		0.80				1.30		0.80						
MON	10070305	10/07/05	0.00				0.1218		0.60				1.40		0.80						
TUE	10070306	10/07/05	0.00				0.0925		0.50				1.10		0.80						
WED	10070307	10/07/05	0.00				0.1122		0.50				1.00		0.80						
THU	10170308	10/07/05	0.00				0.0710		0.70				0.70		0.80						
FRI	10170309	10/07/05	0.00				0.0675		1.10				0.70		0.80						
SAT	10170405	10/07/05	0.00				0.0847		0.70				0.80		0.80						
SUN	10170406	10/07/05	0.00				0.0844		0.50				1.10		0.80						
MON	10170505	10/07/05	0.00				0.0858		0.80				1.30		0.80						
TUE	10170506	10/07/05	0.00				0.0770		0.40				0.40		0.80						
WED	10170507	10/07/05	0.00				0.0886		0.80				0.70		0.80						
THU	10170508	10/07/05	0.00				0.0860		0.80				0.80		0.80						
FRI	10202003	10/07/05	0.50				0.0717		0.70				0.80		0.80						
SAT	10210108	10/07/05	0.25				0.0700		0.70				0.80		0.80						
SUN	10220105	10/07/05	0.00				0.1558		0.80				1.30		0.80						
MON	10220305	10/07/05	0.00				0.1204		0.60				1.10		0.80						
TUE	10220406	10/07/05	0.00				0.0990		0.60				1.10		0.80						
WED	10220507	10/07/05	0.00				0.0932		0.60				1.10		0.80						
THU	10220608	10/07/05	0.00				0.0882		0.60				0.80		0.80						
FRI	10270105	10/07/05	0.00				0.0792		0.60				0.80		0.80						
SAT	10270106	10/07/05	0.00				0.0887		1.00				0.80		0.80						
SUN	10270107	10/07/05	0.00				0.0510		0.60				1.00		0.80						
MON	10270305	10/07/05	0.00				0.1030		0.80				1.00		0.80						
TUE	10270406	10/07/05	0.00				0.1115		0.70				1.10		0.80						
WED	10270507	10/07/05	0.00				0.1090		0.80				0.80		0.80						
THU	11010108	10/07/05	0.00				0.1000		0.80				0.80		0.80						
FRI	11010209	10/07/05	0.00				0.1355		0.80				1.30		0.80						
SAT	11010308	10/07/05	0.00				0.1103		0.80				1.00		0.80						
SUN	11010409	10/07/05	0.00				0.1272		0.80				1.00		0.80						
MON	10310505	10/07/05	0.00				0.1630		0.80				1.00		0.80						
TUE	10310606	10/07/05	0.00				0.1115		0.80				1.10		0.80						
WED	10310707	10/07/05	0.00				0.1080		0.80				0.80		0.80						
THU	11010808	10/07/05	0.00				0.1000		0.80				0.80		0.80						
FRI	11010909	10/07/05	0.00				0.1103		0.80				1.30		0.80						
SAT	11011005	10/07/05	0.00				0.1219		0.80				1.10		0.80						
SUN	11011106	10/07/05	0.00				0.1058		0.80				0.90		0.80						
MON	11010605	10/07/05	0.00				0.0970		0.80				0.80		0.80						
TUE	11010706	10/07/05	0.25				0.1070		0.80				0.70		0.80						
WED	11010807	10/07/05	0.25				0.0878		0.70				0.70		0.80						
THU	11010908	10/07/05	0.00				0.1081		0.80				1.40		0.80						
FRI	11110505	10/07/05	0.00				0.1311		0.50				0.50		0.80						
SAT	11110606	10/07/05	0.00				0.1677		0.80				1.40		0.80						
SUN	11110707	10/07/05	0.00				0.1245		0.70				1.00		0.80						
MON	11110805	10/07/05	0.00				0.1108		0.80				0.90		0.80						
TUE	11110906	10/07/05	0.00				0.1112		0.80				0.80		0.80						
WED	11111007	10/07/05	0.00				0.1321		0.70				0.60		0.80						
THU	11111108	10/07/05	0.00				0.1785		0.80				1.40		0.80						
FRI	11111209	10/07/05	0.00				0.1511		1.30				0.60		0.80						
SAT	11111305	10/07/05	0.00				0.1877		0.80				1.40		0.80						
SUN	11111406	10/07/05	0.00				0.1365		0.80				1.00		0.80						
MON	11111505	10/07/05	0.00				0.1114		0.70				0.60		0.80						
TUE	11111606	10/07/05	0.00				0.1240		0.80				0.60		0.80						
WED	11111707	10/07/05	0.00				0.1946		0.80				0.60		0.80						
THU	11111808	10/07/05	0.00				0.1035		0.80				0.60		0.80						
FRI	11111909	10/07/05	0.00				0.1171		1.10				0.60		0.80						
SAT	11112005	10/07/05	0.00				0.1369		0.80				1.00		0.80						
SUN	11112106	10/07/05	0.00				0.1352		0.80				1.00		0.80						
MON	11112205	10/07/05	0.00				0.1665		0.80				0.60		0.80						
TUE	11112306	10/07/05	0.00				0.1166		0.80				0.60		0.80						

Town of Winchfield

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation		Influent WWTP		Hickory Hill PS		Hannontville PS		Elm St PS		Old Rd PS	
			Daily Rainfall	Daily Intensity	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)
Nov-08	MON	11/27/08	0.00		0.0916	0.0713	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	11/28/08	0.00		0.0674	0.0570	0.70	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	11/29/08	0.00		0.16	0.0805	0.1177	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	11/30/08	0.10		0.0674	0.0598	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	12/01/08	0.25		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	12/02/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	12/03/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	12/04/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	12/05/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	12/06/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	12/07/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	12/08/08	0.00		0.00	0.0918	0.1407	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	12/09/08	0.25		0.00	0.1475	1.10	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	12/10/08	0.00		0.00	0.1256	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	12/11/08	0.00		0.00	0.0918	0.0785	0.70	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	12/12/08	0.00		0.00	0.0912	0.0912	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	12/13/08	0.00		0.00	0.1140	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	12/14/08	0.00		0.00	0.0951	0.00	1.00	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	12/15/08	0.00		0.00	0.1120	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	12/16/08	0.00		0.00	0.1475	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	12/17/08	0.00		0.00	0.1256	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	12/18/08	0.00		0.00	0.0918	0.0785	0.70	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	12/19/08	0.00		0.00	0.0910	0.0912	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	12/20/08	0.00		0.00	0.1140	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	12/21/08	0.00		0.00	0.0975	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	12/22/08	0.00		0.00	0.1120	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	12/23/08	0.25		0.00	0.1475	1.20	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	12/24/08	0.00		0.00	0.1256	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	12/25/08	0.00		0.00	0.0918	0.1203	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	12/26/08	0.00		0.00	0.0910	0.0785	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	12/27/08	0.00		0.00	0.1140	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	12/28/08	0.00		0.00	0.0929	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	12/29/08	0.00		0.00	0.0905	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	12/30/08	0.25		0.00	0.1398	1.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	12/31/08	0.00		0.00	0.1256	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	1/01/09	0.00		0.00	0.0918	0.1203	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	1/02/09	0.00		0.00	0.0910	0.0785	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	1/03/09	0.00		0.00	0.1140	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	1/04/09	0.00		0.00	0.0902	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	1/05/09	0.00		0.00	0.0873	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	1/06/09	0.25		0.00	0.1398	1.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	1/07/09	0.00		0.00	0.1256	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	1/08/09	0.00		0.00	0.0918	0.1302	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	1/09/09	0.00		0.00	0.1320	0.80	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	1/10/09	0.00		0.00	0.1795	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	1/11/09	0.00		0.00	0.2275	1.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	1/12/09	0.00		0.00	0.2446	1.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	1/13/09	0.00		0.00	0.3122	1.10	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	1/14/09	0.00		0.00	0.3146	1.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	1/15/09	0.00		0.00	0.3233	0.1365	1.00	0.50	0.50	0.50	0.50	0.50	0.50
	WED	1/16/09	0.00		0.00	0.2091	0.1088	0.70	0.50	0.50	0.50	0.50	0.50	0.50
	THU	1/17/09	0.00		0.00	0.1089	0.0909	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	1/18/09	0.00		0.00	0.1059	0.0939	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	1/19/09	0.75		0.00	0.1035	0.1325	1.20	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	1/20/09	0.00		0.00	0.1435	0.0930	1.20	0.50	0.50	0.50	0.50	0.50	0.50
	MON	1/21/09	0.25		0.00	0.1033	0.1033	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	1/22/09	0.00		0.00	0.1369	0.1369	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	1/23/09	1.00		0.00	0.1753	0.1163	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	1/24/09	0.00		0.00	0.1327	0.1327	1.20	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	1/25/09	0.00		0.00	0.2469	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	1/26/09	0.25		0.00	0.1033	0.1033	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	1/27/09	0.00		0.00	0.2366	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	MON	1/28/09	0.25		0.00	0.2092	0.0900	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	TUE	1/29/09	0.00		0.00	0.1775	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	WED	1/30/09	0.50		0.00	0.0952	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	THU	1/31/09	0.10		0.00	0.1327	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	FRI	01/01/09	0.10		0.00	0.1000	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SAT	01/02/09	0.00		0.00	0.1547	0.1000	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	SUN	01/03/09	0.00		0.00	0.1201	0.0900	0.50	0.50	0.50	0.50	0.50	0.50	0.50

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation		Influent WWTP		Hickory Hill PS		Hickory Hill PS		Hannanville PS		Elim SPS		Elim STPS		Old Rd PS		Old Rd PS	
			Daily Rainfall	Daily Rainfall	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)
MON	01/22/07	0.00	0.0578	0.0566	2.10	0.90	0.60	0.60	1.10	1.10	0.90	0.60	0.70	0.70	0.70	0.70	0.88	0.88	0.88	0.88
TUE	01/23/07	0.00	0.0557	0.0557	0.60	0.90	0.60	0.60	1.20	1.20	0.60	0.60	0.70	0.70	0.70	0.70	0.65	0.65	0.65	0.65
WED	01/24/07	0.00	0.0591	0.0591	0.70	0.90	1.00	1.00	1.20	1.20	1.50	1.50	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01
THU	01/25/07	0.00	0.0739	0.0833	1.60	2.00	1.20	1.20	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FRI	01/26/07	0.00	0.0833	0.0833	1.60	2.00	1.20	1.20	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SAT	01/27/07	0.00	0.1151	0.0900	1.00	1.00	0.70	0.70	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.48	1.48	1.48	1.48
SUN	01/28/07	0.00	0.0800	0.0800	0.40	0.40	0.70	0.70	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.05	1.05	1.05	1.05
MON	01/29/07	0.00	0.0800	0.0800	0.40	0.40	0.70	0.70	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	0.25	0.25	0.25	0.25
TUE	01/30/07	0.00	0.0800	0.0800	0.40	0.40	0.70	0.70	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	0.43	0.43	0.43	0.43
JAN-07					0.11	0.0488	0.1281	0.70	0.40	0.40	0.30	0.30	0.70	0.70	0.70	0.70	0.37	0.37	0.37	0.37
THU	02/01/07	0.00	0.0510	0.0510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.30	0.30
FRI	02/02/07	0.00	0.0888	0.0888	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.30	0.30
SAT	02/03/07	0.20	0.1666	0.1666	1.40	1.20	0.60	0.60	1.30	1.30	0.60	0.60	0.50	0.50	0.50	0.50	0.79	0.79	0.79	0.79
SUN	02/04/07	0.00	0.1222	0.1222	0.60	0.60	0.60	0.60	1.30	1.30	1.30	1.30	1.00	1.00	1.00	1.00	1.43	1.43	1.43	1.43
MON	02/05/07	0.00	0.0893	0.0893	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.30	0.30	0.30	0.30
TUE	02/06/07	0.00	0.0849	0.0849	1.10	0.90	0.60	0.60	1.30	1.30	1.30	1.30	1.00	1.00	1.00	1.00	0.33	0.33	0.33	0.33
WED	02/07/07	0.00	0.0817	0.0817	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.32	0.32	0.32	0.32
THU	02/08/07	0.00	0.0830	0.0830	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.32	0.32	0.32	0.32
FRI	02/09/07	0.00	0.0743	0.0743	1.40	1.20	0.60	0.60	1.20	1.20	1.20	1.20	1.00	1.00	1.00	1.00	0.34	0.34	0.34	0.34
SAT	02/10/07	0.00	0.1636	0.1636	0.60	0.60	0.60	0.60	1.40	1.40	0.60	0.60	0.60	0.60	0.60	0.60	0.71	0.71	0.71	0.71
SUN	02/11/07	0.00	0.1277	0.1277	0.90	0.90	0.60	0.60	1.20	1.20	1.20	1.20	1.00	1.00	1.00	1.00	1.25	1.25	1.25	1.25
MON	02/12/07	0.00	0.0851	0.0851	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.71	0.71	0.71	0.71
TUE	02/13/07	0.30	0.0522	0.0522	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	0.32	0.32	0.32	0.32
WED	02/14/07	2.40	0.0422	0.0422	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.33	0.33
THU	02/15/07	0.00	0.0816	0.0816	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.34	0.34	0.34	0.34
FRI	02/16/07	0.00	0.1636	0.1636	1.70	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.03	1.03	1.03	1.03
SAT	02/17/07	0.00	0.2009	0.2009	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.00	1.00	1.00	1.00
SUN	02/18/07	0.00	0.1923	0.1923	0.90	0.90	0.90	0.90	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.25	1.25	1.25	1.25
MON	02/19/07	0.00	0.1642	0.1642	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.00	1.00	1.00	1.00
TUE	02/20/07	0.00	0.1445	0.1445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	1.47	1.47	1.47
WED	02/21/07	0.00	0.0899	0.0899	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
THU	02/22/07	0.00	0.1032	0.1032	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.35	1.35	1.35	1.35
FRI	02/23/07	0.00	0.2118	0.2118	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	0.99	0.99	0.99	0.99
SAT	02/24/07	0.30	0.1585	0.1585	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.42	0.42	0.42	0.42
SUN	02/25/07	0.00	0.1065	0.1065	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	0.97	0.97	0.97	0.97
MON	02/26/07	0.20	0.0500	0.0500	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.76	0.76	0.76	0.76
TUE	02/27/07	0.10	0.0513	0.0513	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.39	1.39	1.39	1.39
WED	02/28/07	0.00	0.0469	0.0469	0.70	0.70	1.07	1.07	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00	0.68	0.68	0.68	0.68
THU	02/29/07	0.20	0.0582	0.0582	0.60	0.60	1.50	1.50	2.90	2.90	2.90	2.90	0.60	0.60	0.60	0.60	0.77	0.77	0.77	0.77
FRI	03/01/07	0.00	0.1178	0.1178	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	0.66	0.66	0.66	0.66
SAT	03/02/07	0.00	0.1319	0.1319	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.20	1.20
SUN	03/03/07	0.30	0.1095	0.1095	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.00	1.00	1.00	1.00
MON	03/04/07	0.10	0.0511	0.0511	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.20	1.20	1.20	1.20
TUE	03/05/07	0.00	0.0557	0.0557	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	1.20	1.20	1.20	1.20
WED	03/06/07	0.00	0.0558	0.0558	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.20	1.20	1.20	1.20
THU	03/07/07	0.00	0.1216	0.1216	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
FRI	03/08/07	2.00	0.1351	0.1351	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
SAT	03/09/07	1.00	0.0895	0.0895	0.80	0.80	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.10	1.10	1.10	1.10
SUN	03/10/07	0.00	0.1254	0.1254	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.68	0.68	0.68	0.68

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation		Precipitation		Influent WWTP		Influent WWTP		Hickory Hill PS		Hickory Hill PS		Hannaville PS		Hannaville PS		Elm St PS		Elm St PS		Old Rd PS			
			Daily Rainfall	Daily Rainday	Daily Rainfall	Monthly Avg	Daily Rainfall	Inday	Daily Flow	(MGD)	Avg Monthly	Flow (MGD)	Daily Run Time	Hour	Daily Run Time	Hour	Avg Monthly Run	Time (hr)	Daily Run Time	Hour						
JAN	MON	01/01/07	0.00		0.00		0.0766		0.0766		0.00		0.00		0.00		1.00		1.20		0.00		0.00		0.00	
	TUE	01/02/07	0.00		0.00		0.0913		0.0913		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	WED	01/03/07	0.00		0.00		0.1362		0.1362		1.70		1.70		3.00		3.30		3.30		0.00		0.00		0.00	
	THU	01/04/07	0.00		0.00		0.1992		0.1992		1.60		1.60		2.10		1.80		1.80		0.00		0.00		0.00	
	FRI	01/05/07	0.00		0.00		0.1732		0.1732		1.00		1.00		2.50		2.00		2.00		0.00		0.00		0.00	
	SAT	01/06/07	0.50		0.50		0.1642		0.1642		1.00		1.00		2.00		2.00		2.00		0.00		0.00		0.00	
	SUN	01/07/07	0.00		0.00		0.1165		0.1165		1.40		1.40		1.40		1.70		1.70		0.00		0.00		0.00	
JAN	MON	01/08/07	0.25		0.25		0.1635		0.1635		1.30		1.30		1.60		1.50		1.50		0.00		0.00		0.00	
	TUE	01/09/07	0.00		0.00		0.1291		0.1291		1.20		1.20		1.30		1.30		1.30		0.00		0.00		0.00	
	WED	01/10/07	0.00		0.00		0.1020		0.1020		0.80		0.80		1.00		1.00		1.00		0.00		0.00		0.00	
	THU	01/11/07	0.00		0.00		0.1130		0.1130		1.20		1.20		1.40		1.40		1.40		0.00		0.00		0.00	
	FRI	01/12/07	0.00		0.00		0.15		0.0524		0.1142		1.00		1.10		1.10		1.10		0.00		0.00		0.00	
	SAT	01/13/07	0.60		0.60		0.0870		0.0870		0.80		0.80		1.00		1.00		1.00		0.00		0.00		0.00	
	SUN	01/14/07	0.00		0.00		0.0803		0.0803		1.50		1.50		1.50		1.50		1.50		0.00		0.00		0.00	
JAN	MON	01/15/07	0.00		0.00		0.0805		0.0805		0.90		0.90		1.00		1.00		1.00		0.00		0.00		0.00	
	TUE	01/16/07	0.25		0.25		0.0890		0.0890		0.60		0.60		0.50		0.50		0.50		0.00		0.00		0.00	
	WED	01/17/07	0.35		0.35		0.0940		0.0940		0.60		0.60		0.50		0.50		0.50		0.00		0.00		0.00	
	THU	01/18/07	0.00		0.00		0.0702		0.0702		0.70		0.70		0.60		0.60		0.60		0.00		0.00		0.00	
	FRI	01/19/07	0.00		0.00		0.0734		0.0734		0.50		0.50		0.60		0.60		0.60		0.00		0.00		0.00	
	SAT	01/20/07	0.00		0.00		0.0576		0.0576		0.50		0.50		0.50		0.50		0.50		0.00		0.00		0.00	
JAN	MON	01/21/07	0.00		0.00		0.0701		0.0701		0.70		0.70		0.80		0.80		0.80		0.00		0.00		0.00	
	TUE	01/22/07	0.00		0.00		0.0573		0.0573		0.70		0.70		0.70		0.70		0.70		0.00		0.00		0.00	
	WED	01/23/07	0.00		0.00		0.0490		0.0490		0.50		0.50		0.60		0.60		0.60		0.00		0.00		0.00	
	THU	01/24/07	0.00		0.00		0.0554		0.0554		0.50		0.50		0.60		0.60		0.60		0.00		0.00		0.00	
	FRI	01/25/07	0.50		0.50		0.0711		0.0711		0.10		0.10		0.10		0.10		0.10		0.00		0.00		0.00	
	SAT	01/26/07	0.25		0.25		0.0570		0.0570		4.00		4.00		4.00		4.00		4.00		0.00		0.00		0.00	
JAN	MON	01/29/07	3.50		3.50		0.0986		0.0986		4.00		4.00		4.00		4.00		4.00		0.00		0.00		0.00	
	TUE	01/30/07	2.25		2.25		0.0712		0.0712		1.50		1.50		1.50		1.50		1.50		0.00		0.00		0.00	
	WED	01/31/07	0.00		0.00		0.0658		0.0658		2.20		2.20		1.00		1.00		1.00		0.00		0.00		0.00	
	THU	02/01/07	1.00		1.00		0.1712		0.1712		2.10		2.10		1.80		1.80		1.80		0.00		0.00		0.00	
	FRI	02/02/07	0.00		0.00		0.1627		0.1627		3.00		3.00		3.00		3.00		3.00		0.00		0.00		0.00	
	SAT	02/03/07	0.00		0.00		0.1569		0.1569		2.20		2.20		1.00		1.00		1.00		0.00		0.00		0.00	
JAN	SUN	02/04/07	0.00		0.00		0.1010		0.1010		1.30		1.30		0.80		0.80		0.80		0.00		0.00		0.00	
	MON	02/05/07	0.00		0.00		0.0729		0.0729		0.90		0.90		0.70		0.70		0.70		0.00		0.00		0.00	
	TUE	02/06/07	0.00		0.00		0.0980		0.0980		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
	WED	02/07/07	0.50		0.50		0.0780		0.0780		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
	THU	02/08/07	0.00		0.00		0.0704		0.0704		0.70		0.70		0.60		0.60		0.60		0.00		0.00		0.00	
	FRI	02/09/07	0.25		0.25		0.0722		0.0722		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
	SAT	02/10/07	0.00		0.00		0.0708		0.0708		0.80		0.80		0.80		0.80		0.80		0.00		0.00		0.00	
JAN	SUN	02/11/07	0.00		0.00		0.0730		0.0730		0.70		0.70		0.70		0.70		0.70		0.00		0.00		0.00	
	MON	02/12/07	0.00		0.00		0.0729		0.0729		1.50		1.50		1.00		1.00		1.00		0.00		0.00		0.00	
	TUE	02/13/07	0.00		0.00		0.0745		0.0745		0.90		0.90		0.80		0.80		0.80		0.00		0.00		0.00	
	WED	02/14/07	0.00		0.00		0.0719		0.0719		0.80		0.80		0.80		0.80		0.80		0.00		0.00		0.00	
	THU	02/15/07	0.00		0.00		0.0783		0.0783		0.70		0.70		0.60		0.60		0.60		0.00		0.00		0.00	
	FRI	02/16/07	0.00		0.00		0.0702		0.0702		0.90		0.90		0.80		0.80		0.80		0.00		0.00		0.00	
	SAT	02/17/07	0.00		0.00		0.0697		0.0697		0.90		0.90		0.70		0.70		0.70		0.00		0.00		0.00	
JAN	SUN	02/18/07	0.00		0.00		0.0687		0.0687		0.70		0.70		0.60		0.60		0.60		0.00		0.00		0.00	
	MON	02/19/07	0.00		0.00		0.0645		0.0645		0.80		0.80		0.80		0.80		0.80		0.00		0.00		0.00	
	TUE	02/20/07	0.00		0.00		0.0695		0.0695		0.90		0.90		0.80		0.80		0.80		0.00		0.00		0.00	
	WED	02/21/07	0.00		0.00		0.0533		0.0533		0.60		0.60		0.50		0.50		0.50		0.00		0.00		0.00	
	THU	02/22/07	0.00		0.00		0.0468		0.0468		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
	FRI	02/23/07	0.00		0.00		0.0605		0.0605		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
	SAT	02/24/07	0.00		0.00		0.0701		0.0701		1.00		1.00		0.90		0.90		0.90		0.00		0.00		0.00	
JAN	SUN	02/25/07	0.00		0.00		0.0844		0.0844		0.60		0.60		0.60		0.60		0.60		0.00		0.00		0.00	
	MON	02/26/07	0.00		0.00		0.0698		0.0698		1.20		1.20		1.20		1.20		1.20		0.00		0.00		0.00	
	TUE	02/27/07	0.00		0.00		0.0719		0.0719		0.70		0.70		0.60											

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation			Influent WWTP			Hickory Hill PS			Hendenville PS			Elm St PS			Old Rd PS		
			Daily Inflow	Daily Rain	Monthly Avg Inflow	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	
MON	05/11/07	0.00				0.0639			0.05			0.70			0.60			0.31		
TUE	05/12/07	0.25				0.0592			0.50			0.60			0.80			0.81		
WED	05/13/07	0.25				0.0510			0.00			0.80			0.80			0.60		
THU	05/14/07	0.00				0.0592			1.10			1.00			0.00			0.57		
FRI	05/15/07	0.00				0.0717			0.00			1.00			1.00			1.00		
SAT	05/16/07	1.00				0.0630			0.70			1.10			1.30			0.59		
SUN	05/17/07	0.00				0.0592			0.50			1.00			1.00			0.77		
MON	05/21/07	0.00				0.0697			1.00			1.00			1.00			1.27		
TUE	05/22/07	0.00				0.0774			0.50			1.00			1.10			0.63		
WED	05/23/07	0.00				0.0622			0.00			0.60			1.10			2.05		
THU	05/24/07	0.00				0.0585			0.50			1.10			1.10			1.30		
FRI	05/25/07	0.00				0.0529			0.50			1.10			0.90			0.70		
SAT	05/26/07	0.00				0.0585			1.40			1.50			1.00			0.29		
SUN	05/27/07	0.00				0.0375			0.50			1.50			1.20			0.92		
MON	05/28/07	0.75				0.0763			1.00			1.10			1.50			1.25		
TUE	05/29/07	0.00				0.0557			1.00			1.10			0.10			1.03		
WED	05/30/07	0.00				0.0486			0.00			0.50			1.25			1.13		
MON-07	THU	05/31/07	0.00		0.12	0.0411		0.0572	0.90		0.90			0.50			1.25		2.57	
FRI	06/01/07	0.00				0.0503			0.90			0.90			0.90			0.90		
SAT	06/02/07	0.00				0.0598			1.00			1.50			0.90			0.95		
SUN	06/03/07	0.75				0.0571			1.50			2.10			1.20			1.12		
MON	06/04/07	1.25				0.1324			1.70			1.80			1.70			0.91		
TUE	06/05/07	0.00				0.0610			0.40			1.30			1.30			1.95		
WED	06/06/07	0.00				0.0722			0.50			1.20			0.90			1.63		
THU	06/07/07	0.00				0.0534			1.40			1.60			1.20			1.13		
FRI	06/08/07	0.00				0.0547			0.70			0.70			0.60			0.90		
SAT	06/09/07	0.00				0.0510			0.90			0.90			0.80			1.20		
SUN	06/10/07	0.00				0.0531			0.70			1.20			1.20			1.23		
MON	06/11/07	0.50				0.0510			1.10			1.00			1.10			1.99		
TUE	06/12/07	0.00				0.0527			1.03			1.00			0.60			1.60		
WED	06/13/07	0.00				0.0517			1.03			1.00			0.90			0.96		
THU	06/14/07	0.00				0.0554			1.03			1.10			0.70			0.90		
FRI	06/15/07	0.00				0.0565			1.05			1.00			0.80			0.97		
SAT	06/16/07	0.00				0.0576			1.03			1.00			0.60			1.27		
SUN	06/17/07	0.00				0.0512			1.63			1.30			1.10			1.41		
MON	06/18/07	0.00				0.0560			1.63			1.60			1.10			0.94		
TUE	06/19/07	1.25				0.0560			1.03			1.70			1.20			1.19		
WED	06/20/07	0.00				0.0576			1.30			1.10			0.60			1.03		
THU	06/21/07	0.00				0.0589			0.80			1.00			0.80			0.92		
FRI	06/22/07	0.00				0.0571			1.00			1.10			0.90			0.83		
SAT	06/23/07	0.00				0.0587			1.00			1.20			0.70			0.95		
SUN	06/24/07	0.00				0.0533			0.90			1.50			1.00			1.28		
MON	06/25/07	0.00				0.0562			1.63			1.60			1.10			1.19		
TUE	06/26/07	0.00				0.0560			1.63			1.70			1.20			1.19		
WED	06/27/07	0.00				0.0576			0.80			1.10			1.00			1.03		
THU	06/28/07	0.00				0.0589			0.80			1.00			1.00			1.00		
FRI	06/29/07	0.00				0.0444			1.00			1.50			1.20			1.17		
SAT	06/30/07	0.00				0.0490			0.90			1.40			1.00			0.93		
SUN	07/01/07	0.00				0.0587			1.00			1.30			1.00			1.19		
MON	07/02/07	0.00				0.0721			0.60			1.70			1.40			1.60		
TUE	07/03/07	0.00				0.0688			1.00			1.30			0.80			0.96		
WED	07/04/07	0.25				0.0557			0.80			1.40			1.20			0.82		
THU	07/05/07	0.00				0.0589			1.00			1.00			0.60			0.60		
FRI	07/06/07	0.50				0.0516			0.80			1.30			1.00			0.69		
SAT	07/07/07	0.00				0.0550			1.00			2.10			1.50			0.96		
SUN	07/08/07	0.00				0.0550			1.00			1.60			1.20			1.34		

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation		Influent WWTP		Hickory Hill PS		Hamontaville PS		Elm St PS		Old Rd PS	
			Daily Inflow	Daily Netflow	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)
JUN	SUN	06/01/07	0.50	0.25	0.0570	0.0570	1.00	0.00	1.50	0.00	1.00	0.00	1.50	1.98
MON	MON	06/02/07	0.00	0.00	0.0468	0.0468	0.00	0.00	1.50	0.00	1.20	0.00	1.50	1.55
TUE	TUE	06/03/07	0.00	0.00	0.0557	0.0557	0.00	0.00	1.50	0.00	1.20	0.00	1.50	1.54
WED	WED	06/04/07	0.25	0.00	0.0583	0.0583	0.00	0.00	1.30	0.00	1.20	0.00	1.30	1.55
THU	THU	06/05/07	0.00	0.00	0.0440	0.0440	0.00	0.00	1.20	0.00	1.20	0.00	1.20	1.21
FRI	FRI	06/06/07	0.10	0.00	0.0509	0.0509	0.80	0.00	1.70	0.00	1.20	0.00	1.60	1.60
SAT	SAT	06/07/07	0.00	0.00	0.0553	0.0553	0.00	0.00	1.30	0.00	1.10	0.00	1.10	1.02
SUN	SUN	06/08/07	0.00	0.00	0.0501	0.0501	1.00	0.00	1.60	0.00	1.10	0.00	1.10	0.94
MON	MON	06/11/07	0.00	0.00	0.0447	0.0447	0.90	0.00	1.20	0.00	1.10	0.00	1.10	1.03
TUE	TUE	06/12/07	0.50	0.00	0.0449	0.0449	1.20	0.00	2.40	0.00	1.10	0.00	1.10	0.95
WED	WED	06/13/07	0.00	0.00	0.0467	0.0467	0.90	0.00	1.10	0.00	1.00	0.00	1.00	1.39
THU	THU	06/14/07	0.25	0.00	0.0484	0.0484	0.70	0.00	1.60	0.00	1.00	0.00	1.00	0.97
FRI	FRI	06/15/07	0.00	0.00	0.0460	0.0460	1.20	0.00	2.00	0.00	1.10	0.00	1.10	0.64
SAT	SAT	06/16/07	0.00	0.00	0.0524	0.0524	0.80	0.00	1.20	0.00	1.20	0.00	1.20	1.47
MON	MON	06/17/07	1.00	0.00	0.0407	0.0407	0.80	0.00	1.20	0.00	1.20	0.00	1.20	1.57
TUE	TUE	06/18/07	0.00	0.00	0.0513	0.0513	1.20	0.00	1.60	0.00	1.10	0.00	1.10	1.91
WED	WED	06/19/07	0.00	0.00	0.0513	0.0513	1.00	0.00	1.20	0.00	1.00	0.00	1.00	1.65
THU	THU	06/20/07	0.00	0.00	0.0493	0.0493	0.80	0.00	1.30	0.00	1.00	0.00	1.00	2.12
FRI	FRI	06/21/07	0.50	0.00	0.0525	0.0525	0.80	0.00	1.60	0.00	1.00	0.00	1.00	1.68
SAT	SAT	06/22/07	0.00	0.00	0.0570	0.0570	1.00	0.00	1.10	0.00	0.90	0.00	0.90	1.05
SUN	SUN	06/23/07	0.00	0.00	0.0570	0.0570	1.00	0.00	1.60	0.00	1.10	0.00	1.10	1.04
MON	MON	06/24/07	0.00	0.00	0.0588	0.0588	1.10	0.00	1.50	0.00	0.90	0.00	0.90	1.41
TUE	TUE	06/25/07	0.00	0.00	0.0534	0.0534	0.80	0.00	1.30	0.00	0.90	0.00	0.90	1.38
WED	WED	06/26/07	0.00	0.00	0.0513	0.0513	0.70	0.00	1.30	0.00	0.90	0.00	0.90	1.42
THU	THU	06/27/07	0.00	0.00	0.0493	0.0493	0.80	0.00	1.30	0.00	0.90	0.00	0.90	1.37
FRI	FRI	06/28/07	0.00	0.00	0.0438	0.0438	0.80	0.00	1.20	0.00	0.70	0.00	0.70	0.74
SAT	SAT	06/29/07	0.00	0.00	0.0529	0.0529	1.30	0.00	1.60	0.00	1.30	0.00	1.30	1.32
SUN	SUN	06/30/07	0.00	0.00	0.0507	0.0507	1.00	0.00	1.80	0.00	1.30	0.00	1.30	2.75
MON	MON	07/01/07	0.00	0.00	0.0501	0.0501	0.80	0.00	1.40	0.00	1.40	0.00	1.40	4.25
TUE	TUE	07/02/07	0.00	0.00	0.0543	0.0543	1.20	0.00	1.80	0.00	1.40	0.00	1.40	0.00
WED	WED	07/03/07	0.00	0.00	0.0493	0.0493	0.80	0.00	1.40	0.00	1.30	0.00	1.30	0.95
THU	THU	07/04/07	1.00	0.00	0.0530	0.0530	0.70	0.00	1.80	0.00	1.40	0.00	1.40	1.70
FRI	FRI	07/05/07	0.30	0.00	0.0546	0.0546	1.10	0.00	1.80	0.00	1.40	0.00	1.40	2.75
SAT	SAT	07/06/07	0.00	0.00	0.0507	0.0507	1.30	0.00	1.40	0.00	1.30	0.00	1.30	1.28
SUN	SUN	07/07/07	0.00	0.00	0.0516	0.0516	1.30	0.00	1.40	0.00	1.30	0.00	1.30	2.18
MON	MON	07/08/07	0.00	0.00	0.0517	0.0517	1.00	0.00	1.70	0.00	1.10	0.00	1.10	2.48
TUE	TUE	07/09/07	0.00	0.00	0.0564	0.0564	1.10	0.00	2.10	0.00	1.40	0.00	1.40	1.88
WED	WED	07/10/07	0.50	0.00	0.0583	0.0583	0.80	0.00	1.40	0.00	1.30	0.00	1.30	0.88
THU	THU	07/11/07	1.00	0.00	0.0539	0.0539	0.70	0.00	1.80	0.00	1.40	0.00	1.40	1.70
FRI	FRI	07/12/07	0.30	0.00	0.0546	0.0546	1.10	0.00	1.80	0.00	1.40	0.00	1.40	2.28
SAT	SAT	07/13/07	0.00	0.00	0.0552	0.0552	1.20	0.00	1.50	0.00	1.20	0.00	1.20	0.00
SUN	SUN	07/14/07	0.00	0.00	0.0516	0.0516	1.30	0.00	2.10	0.00	1.20	0.00	1.20	1.82
MON	MON	07/15/07	0.00	0.00	0.0517	0.0517	1.00	0.00	1.60	0.00	1.20	0.00	1.20	1.65
TUE	TUE	07/16/07	0.00	0.00	0.0564	0.0564	0.70	0.00	1.50	0.00	1.20	0.00	1.20	1.42
WED	WED	07/17/07	0.00	0.00	0.0583	0.0583	0.80	0.00	1.40	0.00	1.20	0.00	1.20	1.32
THU	THU	07/18/07	0.00	0.00	0.0539	0.0539	0.80	0.00	1.30	0.00	1.20	0.00	1.20	2.30
FRI	FRI	07/19/07	0.00	0.00	0.0582	0.0582	1.20	0.00	1.50	0.00	1.20	0.00	1.20	2.11
SAT	SAT	07/20/07	0.00	0.00	0.0572	0.0572	1.00	0.00	1.40	0.00	1.20	0.00	1.20	0.97
SUN	SUN	07/21/07	0.00	0.00	0.0573	0.0573	0.70	0.00	1.50	0.00	1.20	0.00	1.20	1.68
MON	MON	07/22/07	0.25	0.00	0.0600	0.0600	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.02
TUE	TUE	07/23/07	0.00	0.00	0.0599	0.0599	0.80	0.00	1.40	0.00	1.20	0.00	1.20	1.02
WED	WED	07/24/07	0.00	0.00	0.0536	0.0536	1.20	0.00	1.50	0.00	1.20	0.00	1.20	2.32
THU	THU	07/25/07	0.00	0.00	0.0582	0.0582	1.00	0.00	1.40	0.00	1.20	0.00	1.20	1.71
FRI	FRI	07/26/07	0.00	0.00	0.0537	0.0537	0.90	0.00	1.40	0.00	1.20	0.00	1.20	1.03
SAT	SAT	07/27/07	0.20	0.00	0.0536	0.0536	1.50	0.00	1.50	0.00	1.20	0.00	1.20	0.98
SUN	SUN	07/28/07	0.00	0.00	0.0570	0.0570	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.02
MON	MON	07/29/07	0.00	0.00	0.0491	0.0491	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.65
TUE	TUE	07/30/07	0.00	0.00	0.0426	0.0426	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.32
WED	WED	07/31/07	0.00	0.00	0.0417	0.0417	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
THU	THU	08/01/07	0.00	0.00	0.0423	0.0423	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.03
FRI	FRI	08/02/07	0.00	0.00	0.0497	0.0497	1.10	0.00	1.50	0.00	1.20	0.00	1.20	1.03
SAT	SAT	08/03/07	0.00	0.00	0.0599	0.0599	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
SUN	SUN	08/04/07	0.00	0.00	0.0537	0.0537	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.03
MON	MON	08/05/07	0.00	0.00	0.0591	0.0591	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
TUE	TUE	08/06/07	0.00	0.00	0.0570	0.0570	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
WED	WED	08/07/07	0.00	0.00	0.0599	0.0599	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
THU	THU	08/08/07	0.00	0.00	0.0590	0.0590	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
FRI	FRI	08/09/07	0.00	0.00	0.0591	0.0591	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
SAT	SAT	08/10/07	0.00	0.00	0.0537	0.0537	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
SUN	SUN	08/11/07	0.00	0.00	0.0599	0.0599	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
MON	MON	08/12/07	0.25	0.00	0.0570	0.0570	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
TUE	TUE	08/13/07	0.00	0.00	0.0599	0.0599	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
WED	WED	08/14/07	0.00	0.00	0.0591	0.0591	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
THU	THU	08/15/07	0.00	0.00	0.0582	0.0582	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
FRI	FRI	08/16/07	0.00	0.00	0.0591	0.0591	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.29
SAT	SAT	08/17/07	0.00	0.00	0.0591	0.0591	0.80	0.00	1.50	0.00	1.20	0.00	1.20	1.

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation			Influent WWTP			Hickory Hill PS			Hannanville PS			Elm St PS			Old Rd PS		
			Daily Rainfall Inches	Daily Rainfall Inches	Daily Notes	Monthly Avg Inches	Avg Monthly Flow (MGD)	Daily Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)	Daily Run Time (Hour)	Avg Monthly Run Time (hr)		
SUN	08/24/07	0.00				0.00	0.0769	0.00	0.70	1.60	0.00	0.00	0.00	0.00	0.00	0.00	1.64			
MON	08/25/07	0.00				0.00	0.0549	0.00	0.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.50			
TUE	08/26/07	0.00				0.00	0.0511	0.00	0.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.29			
WED	08/27/07	0.00				0.00	0.0423	0.00	0.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.71			
THU	08/28/07	0.00				0.00	0.0414	1.30	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	1.12			
FRI	08/29/07	0.00				0.00	0.0509	0.00	0.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.70			
SAT	08/30/07	0.30				0.30	0.0443	1.40	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.66			
SUN	08/31/07	2.00				2.00	0.0440	1.10	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	1.01			
MON	09/01/07	0.00				0.00	0.0565	1.70	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	1.60			
TUE	09/02/07	2.00				2.00	0.0584	1.00	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.95			
WED	09/03/07	0.00				0.00	0.0521	0.60	1.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	1.20			
THU	09/04/07	0.00				0.00	0.0579	1.30	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	1.20			
FRI	09/05/07	0.25				0.25	0.0528	1.00	1.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	1.64			
SAT	09/06/07	0.00				0.00	0.0514	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.64			
SUN	08/07/07	0.00				0.00	0.0533	0.60	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02			
MON	08/08/07	0.00				0.00	0.0559	1.20	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.10			
TUE	08/09/07	0.00				0.00	0.0594	0.60	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.64			
WED	08/10/07	0.00				0.00	0.0569	2.00	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.99			
THU	08/11/07	0.00				0.00	0.0532	1.20	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61			
FRI	08/12/07	0.00				0.00	0.0567	0.60	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.15			
SAT	08/13/07	0.00				0.00	0.0502	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	2.00			
SUN	08/14/07	0.00				0.00	0.0504	0.60	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33			
MON	08/15/07	0.00				0.00	0.0460	0.60	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	1.61			
TUE	08/16/07	0.00				0.00	0.0450	1.00	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	1.09			
WED	08/17/07	0.00				0.00	0.0570	0.60	1.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	2.00			
THU	08/18/07	0.25				0.25	0.0531	1.00	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	1.78			
FRI	08/19/07	0.00				0.00	0.0561	1.60	2.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	2.02			
SAT	08/20/07	0.00				0.00	0.0528	0.70	1.02	1.30	0.00	0.00	0.00	0.00	0.00	0.00	1.36			
SUN	08/21/07	0.00				0.00	0.0543	1.20	0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.47			
MON	08/22/07	0.00				0.00	0.0468	1.20	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	1.62			
TUE	08/23/07	0.00				0.00	0.0509	0.60	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	1.04			
WED	08/24/07	0.00				0.00	0.0542	1.40	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	3.09			
THU	08/25/07	0.00				0.00	0.0533	0.70	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	2.32			
FRI	08/26/07	0.00				0.00	0.0505	1.30	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	1.44			
SAT	08/27/07	0.00				0.00	0.0510	1.30	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	3.47			
SUN	08/28/07	0.00				0.00	0.0705	1.00	2.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	3.36			
MON	08/29/07	1.00				1.00	0.0522	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	3.07			
TUE	08/30/07	0.00				0.00	0.0447	1.10	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.86			
WED	08/31/07	0.25				0.25	0.0773	1.00	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.05			
THU	09/01/07	0.00				0.00	0.1341	1.30	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.28			
FRI	09/02/07	0.00				0.00	0.0879	1.20	1.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.93			
SAT	09/03/07	0.00				0.00	0.0767	0.60	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04			
SUN	09/04/07	0.10				0.10	0.0599	0.60	0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	1.33			
MON	09/05/07	0.00				0.00	0.0510	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.74			
TUE	09/06/07	0.00				0.00	0.0536	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.97			
WED	09/07/07	0.00				0.00	0.0520	1.00	0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	2.02			
THU	09/08/07	0.00				0.00	0.0525	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.95			
FRI	09/09/07	0.00				0.00	0.0574	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.93			
SAT	09/10/07	0.00				0.00	0.0936	1.30	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	2.04			
SUN	09/11/07	0.00				0.00	0.0510	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.33			
MON	09/12/07	0.00				0.00	0.0520	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	1.73			
TUE	09/13/07	0.00				0.00	0.0469	1.00	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
WED	09/14/07	0.25				0.25	0.0501	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
THU	09/15/07	0.00				0.00	0.0595	1.70	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73			
FRI	09/16/07	0.25				0.25	0.0567	1.70	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73			
SAT	09/17/07	0.75				0.75	0.1106	1.00	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Town of Wethersfield

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Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Month	Day	Date	Precipitation		Influent WWTP		Hickory Hill PS		Hononville PS		Elm St PS		Old Rd PS	
			Daily Intensity	Daily Nodata	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)
SUN	02/17/08	0.50	0.2747	0.2747	2.00	2.00	4.20	5.10	4.20	5.10	4.01	4.01		
MON	02/18/08	0.50	0.3257	0.3257	2.30	2.30	4.20	4.50	4.20	4.50	3.99	3.99		
TUE	02/19/08	0.00	0.2112	0.2112	2.70	2.70	3.10	3.10	3.10	3.10	3.00	3.00		
WED	02/20/08	0.00	0.1659	0.1659	1.10	1.10	3.10	3.10	3.10	3.10	2.59	2.59		
THU	02/21/08	0.00	0.1704	0.1704	1.70	1.70	2.40	2.40	2.40	2.40	3.10	3.10		
FRI	02/22/08	0.60	0.7105	0.7105	2.10	2.10	3.20	3.40	3.20	3.40	4.52	4.52		
SAT	02/23/08	0.00	0.2034	0.2034	1.40	1.40	2.80	2.80	2.80	2.80	4.52	4.52		
SUN	02/24/08	0.00	0.1613	0.1613	0.90	0.90	2.00	2.40	2.00	2.40	1.49	1.49		
MON	02/25/08	0.00	0.0850	0.0850	1.00	1.00	2.10	2.10	2.10	2.10	1.48	1.48		
TUE	02/26/08	0.40	0.0700	0.0700	1.10	1.10	2.70	2.70	2.70	2.70	2.29	2.29		
WED	02/27/08	0.00	0.0765	0.0765	0.90	0.90	1.30	1.30	1.30	1.30	0.79	0.79		
THU	02/28/08	0.00	0.0850	0.0850	0.90	0.90	1.70	1.80	1.70	1.80	1.79	1.79		
FRI	02/29/08	0.00	0.17	0.1655	1.00	1.48	2.72	3.14	2.72	3.14	5.09	5.09	2.44	
SAT	03/01/08	0.50	0.1659	0.1659	0.90	0.90	1.70	1.70	1.70	1.70				
SUN	03/02/08	0.00	0.1529	0.1529	1.20	1.20	2.20	2.40	2.20	2.40				
MON	03/03/08	0.00	0.0910	0.0910	1.40	1.40	2.10	2.30	2.10	2.30				
TUE	03/04/08	0.00	0.1255	0.1255	2.10	2.10	3.30	3.30	3.30	3.30				
WED	03/05/08	2.00	0.3609	0.3609	3.30	3.30	5.00	5.00	5.00	5.00				
THU	03/06/08	0.00	0.1646	0.1646	2.00	2.00	2.60	2.60	2.60	2.60				
FRI	03/07/08	0.00	0.1600	0.1600	2.00	2.00	4.00	4.00	4.00	4.00				
SAT	03/08/08	0.50	0.3153	0.3153	3.10	3.10	5.40	5.40	5.40	5.40				
SUN	03/09/08	0.75	0.2417	0.2417	1.40	1.40	3.00	3.00	3.00	3.00				
MON	03/10/08	0.00	0.1481	0.1481	1.90	1.90	3.30	3.30	3.30	3.30				
TUE	03/11/08	0.00	0.1187	0.1187	1.50	1.50	2.20	2.20	2.20	2.20				
WED	03/12/08	0.00	0.1010	0.1010	1.40	1.40	2.20	2.20	2.20	2.20				
THU	03/13/08	0.00	0.1029	0.1029	1.30	1.30	2.40	2.40	2.40	2.40				
FRI	03/14/08	0.00	0.0959	0.0959	1.70	1.70	2.10	2.10	2.10	2.10				
SAT	03/15/08	0.75	0.1470	0.1470	0.75	0.75	2.00	2.00	2.00	2.00				
SUN	03/16/08	0.25	0.1270	0.1270	0.1270	0.1270	3.10	3.10	3.10	3.10				
MON	03/17/08	0.00	0.0859	0.0859	0.90	0.90	1.60	1.60	1.60	1.60				
TUE	03/18/08	0.00	0.0943	0.0943	0.90	0.90	2.30	2.30	2.30	2.30				
WED	03/19/08	0.00	0.1036	0.1036	1.70	1.70	2.60	2.60	2.60	2.60				
THU	03/20/08	0.85	0.1655	0.1655	1.20	1.20	2.60	2.60	2.60	2.60				
FRI	03/21/08	0.00	0.1485	0.1485	2.10	2.10	3.20	3.20	3.20	3.20				
SAT	03/22/08	0.00	0.1442	0.1442	0.90	0.90	2.20	2.20	2.20	2.20				
SUN	03/23/08	0.00	0.1150	0.1150	1.20	1.20	2.00	2.00	2.00	2.00				
MON	03/24/08	0.00	0.0976	0.0976	0.90	0.90	1.80	1.80	1.80	1.80				
TUE	03/25/08	0.00	0.0810	0.0810	0.90	0.90	1.70	1.70	1.70	1.70				
WED	03/26/08	0.00	0.0651	0.0651	1.10	1.10	1.50	1.50	1.50	1.50				
THU	03/27/08	0.00	0.0850	0.0850	1.00	1.00	2.40	2.40	2.40	2.40				
FRI	03/28/08	1.00	0.0974	0.0974	1.00	1.00	2.20	2.20	2.20	2.20				
SAT	03/29/08	0.00	0.1036	0.1036	1.10	1.10	1.50	1.50	1.50	1.50				
SUN	03/30/08	0.00	0.0987	0.0987	0.90	0.90	1.20	1.20	1.20	1.20				
MAR-09	MON	03/31/08	0.00	0.21	0.0232	0.1353	1.10	1.47	1.20	1.47	3.00	3.00	2.55	
TUE	04/01/08	0.25	0.1261	0.1261	1.00	1.00	1.70	1.70	1.70	1.70				
WED	04/02/08	0.00	0.1167	0.1167	0.90	0.90	2.70	2.70	2.70	2.70				
THU	04/03/08	0.25	0.0944	0.0944	1.00	1.00								
FRI	04/04/08	0.00	0.0959	0.0959	0.1011	0.1011	1.30	1.30	1.30	1.30				
SAT	04/05/08	0.00	0.0854	0.0854	0.90	0.90	2.40	2.40	2.40	2.40				
SUN	04/06/08	0.00	0.0974	0.0974	1.00	1.00	2.00	2.00	2.00	2.00				
MON	04/07/08	0.00	0.0973	0.0973	1.20	1.20	1.80	1.80	1.80	1.80				
TUE	04/08/08	0.00	0.0814	0.0814	0.90	0.90	1.50	1.50	1.50	1.50				
WED	04/09/08	0.00	0.0925	0.0925	1.00	1.00	2.00	2.00	2.00	2.00				
THU	04/10/08	0.00	0.0799	0.0799	0.90	0.90	2.10	2.10	2.10	2.10				
FRI	04/11/08	0.00	0.0957	0.0957	0.90	0.90	2.00	2.00	2.00	2.00				

Town of Windham

Wastewater Treatment Plant (WWTP) Flow

Month	Day	Date	Precipitation		Precipitation	Influent WWTP	Hickory Hill PS	Hanoverville PS	Elm St PS	Elm St PS	Old Rd PS	Old Rd PS	
			Daily Inflow	Daily Inflow	Daily Flow (MGD)	Avg Monthly Flow (MGD)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	Daily Run Time (Hour)	Avg Monthly Run Time (Hour)	
SUN	04/13/08	0.00			0.0733	0.0557	0.60	1.00	1.20	1.50	1.00	3.24	
MON	04/14/08	0.00			0.0813	0.0557	0.70	1.00	1.30	1.50	0.00		
TUE	04/15/08	0.10			0.0593	0.0557	0.80	1.00	1.40	1.50	0.00		
WED	04/16/08	0.00			0.0563	0.0557	0.70	1.00	1.30	1.50	1.40	3.10	
THU	04/17/08	0.00			0.0563	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
FRI	04/18/08	0.00			0.0597	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
SAT	04/19/08	0.00			0.0596	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
SUN	04/20/08	0.00			0.0584	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
MON	04/21/08	0.09			0.0554	0.0557	0.50	1.00	1.20	1.50	1.61	5.7	
TUE	04/22/08	0.00			0.0538	0.0557	0.70	1.00	1.30	1.50	1.40	3.10	
WED	04/23/08	0.00			0.0534	0.0557	0.90	1.00	1.30	1.50	1.40	3.10	
THU	04/24/08	0.00			0.0529	0.0557	0.90	1.00	1.30	1.50	1.40	3.10	
FRI	04/25/08	0.00			0.0519	0.0557	1.20	1.00	1.30	1.50	1.40	3.10	
SAT	04/26/08	0.00			0.0520	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
SUN	04/27/08	0.00			0.0490	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
MON	04/28/08	0.09			0.0503	0.0557	0.60	1.00	1.30	1.50	1.40	3.10	
TUE	04/29/08	0.75			0.0691	0.0557	0.00	1.00	1.20	1.50	1.90	4.16	
APR-00	WED	04/30/08	0.00		0.05	0.0508	0.0731	0.00	1.10	1.40	1.50	1.50	
THU	05/01/08	0.10			0.0550	0.0557	0.60	1.00	1.30	1.50	1.75		
FRI	05/02/08	0.10			0.0550	0.0557	0.60	1.00	1.30	1.50	1.75		
SAT	05/03/08	0.25			0.0618	0.0557	0.60	1.00	1.30	1.50	1.90		
SUN	05/04/08	0.00			0.0505	0.0557	0.70	1.00	1.30	1.50	1.90		
MON	05/05/08	0.00			0.0530	0.0557	0.60	1.00	1.30	1.50	1.90		
TUE	05/06/08	0.00			0.0530	0.0557	0.60	1.00	1.30	1.50	1.90		
WED	05/07/08	0.00			0.0550	0.0557	0.60	1.00	1.30	1.50	1.90		
THU	05/08/08	0.00			0.0573	0.0557	0.60	1.00	1.30	1.50	1.90		
FRI	05/09/08	0.25			0.0531	0.0557	0.60	1.00	1.30	1.50	1.90		
SAT	05/10/08	0.00			0.0505	0.0557	1.30	1.00	1.20	1.50	1.90		
SUN	05/11/08	0.00			0.0583	0.0557	0.60	1.00	1.30	1.50	1.90		
MON	05/12/08	0.00			0.0553	0.0557	0.70	1.00	1.30	1.50	1.90		
TUE	05/13/08	0.00			0.0541	0.0557	0.50	1.00	1.10	1.20	1.70		
WED	05/14/08	0.00			0.0522	0.0557	0.60	1.00	1.10	1.20	1.70		
THU	05/15/08	0.10			0.0513	0.0557	0.60	1.00	1.10	1.20	1.70		
FRI	05/16/08	0.00			0.0531	0.0557	0.60	1.00	1.10	1.20	1.70		
SAT	05/17/08	0.25			0.0515	0.0557	1.30	1.00	1.20	1.50	1.90		
SUN	05/18/08	0.10			0.0583	0.0557	0.60	1.00	1.10	1.20	1.70		
MON	05/19/08	0.00			0.0553	0.0557	0.70	1.00	1.10	1.20	1.70		
TUE	05/20/08	0.00			0.0541	0.0557	0.50	1.00	1.10	1.20	1.70		
WED	05/21/08	0.10			0.0522	0.0557	0.60	1.00	1.10	1.20	1.70		
THU	05/22/08	0.00			0.0486	0.0557	1.20	1.00	1.10	1.20	1.70		
FRI	05/23/08	0.50			0.0451	0.0557	0.60	1.00	1.20	1.50	1.90		
SAT	05/24/08	0.25			0.0542	0.0557	0.60	1.00	1.20	1.50	1.90		
SUN	05/25/08	0.10			0.0581	0.0557	0.60	1.00	1.20	1.50	1.90		
MON	05/26/08	0.00			0.0541	0.0557	0.50	1.00	1.10	1.20	1.70		
TUE	05/27/08	0.00			0.0522	0.0557	0.60	1.00	1.10	1.20	1.70		
WED	05/28/08	0.10			0.0485	0.0557	1.20	1.00	1.10	1.20	1.70		
THU	05/29/08	0.00			0.0530	0.0557	0.60	1.00	1.20	1.50	1.90		
FRI	05/30/08	0.00			0.0527	0.0557	0.60	1.00	1.20	1.50	1.90		
SAT	05/31/08	0.00			0.0597	0.0557	1.00	1.00	1.10	1.20	1.70		
SUN	05/01/08	0.00			0.0734	0.0557	1.40	2.10	2.10	2.10	2.10		
MON	05/02/08	0.00			0.0806	0.0557	1.60	2.20	2.20	2.20	2.20		
TUE	05/03/08	0.00			0.0825	0.0557	0.50	1.00	1.10	1.20	1.70		
WED	05/04/08	0.00			0.0837	0.0557	1.60	1.60	1.70	1.80	2.10		
THU	05/05/08	0.10			0.0830	0.0557	1.00	1.00	1.10	1.20	1.70		
FRI	05/06/08	0.00			0.0827	0.0557	0.80	0.80	0.90	1.00	1.70		
SAT	05/07/08	0.00			0.0897	0.0557	1.00	1.00	1.10	1.20	1.70		
SUN	05/08/08	0.00			0.0734	0.0557	1.40	2.10	2.10	2.10	2.10		
MON	05/09/08	0.00			0.0806	0.0557	1.60	2.20	2.20	2.20	2.20		
TUE	05/10/08	0.00			0.0825	0.0557	0.50	1.00	1.10	1.20	1.70		
WED	05/11/08	0.00			0.0846	0.0557	1.60	1.60	1.70	1.80	2.10		
THU	05/12/08	0.00			0.0840	0.0557	0.60	0.60	0.70	0.80	1.70		
FRI	05/13/08	0.00			0.0860	0.0557	0.00	0.00	0.10	0.20	0.20		
SAT	05/14/08	0.00			0.0850	0.0557	0.50	1.00	1.10	1.20	1.70		
SUN	05/15/08	0.00			0.0859	0.0557	1.60	2.20	2.20	2.20	2.20		
MON	05/16/08	0.00			0.0874	0.0557	1.30	1.95	1.95	1.95	1.95		
TUE	05/17/08	0.00			0.0874	0.0557	1.30	1.95	1.95	1.95	1.95		
WED	05/18/08	0.00			0.0840	0.0557	0.60	0.60	0.70	0.80	1.70		
THU	05/19/08	0.00			0.0860	0.0557	0.00	0.00	0.10	0.20	0.20		
FRI	05/20/08	0.00			0.0850	0.0557	0.50	1.00	1.10	1.20	1.70		
SAT	05/21/08	0.00			0.0869	0.0557	1.60	2.20	2.20	2.20	2.20		
SUN	05/22/08	0.00			0.0874	0.0557	1.30	1.95	1.95	1.95	1.95		
MON	05/23/08	0.00			0.0874	0.0557	1.30	1.95	1.95	1.95	1.95		
TUE	05/24/08	0.00			0.0840	0.0557	0.60	0.60	0.70	0.80	1.70		
WED	05/25/08	0.00			0.0860	0.0557	0.00	0.00	0.10	0.20	0.20		
THU	05/26/08	0.00			0.0850	0.0557	0.50	1.00	1.10	1.20	1.70		
FRI	05/27/08	0.00			0.0869	0.0557	1.60	2.20	2.20	2.20	2.20		
SAT	05/28/08	0.00			0.0869	0.0557	1.30	1.95	1.95	1.95	1.95		
SUN	05/29/08	0.00			0.0874	0.0557	1.60	2.20	2.20	2.20	2.20		
MON	05/30/08	0.00			0.0874	0.0557	1.30	1.95	1.95	1.95	1.95		
TUE	05/31/08	0.00			0.0840	0.0557	0.60	0.60	0.70	0.80	1.70		
WED	06/01/08	0.17			0.0849	0.0557	0.37	0.34	0.44	0.41	1.13	1.17	
THU	06/02/08	0.00			0.0849	0.0557	0.37	0.34	0.44	0.41	1.13	1.17	
FRI	06/03/08	0.00			0.0849	0.0557	0.37	0.34	0.44	0.41	1.13	1.17	
SAT	06/04/08	0.00			0.0849	0.0557	0.37	0.34	0.44	0.41	1.13	1.17	
Average		0.17											

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Day	Date	Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Thompson House
		Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Daily Flow (GPD)	Flow Meter Readings
TUE	11/01/05	-	-	-	-	-	-	-	-
WED	11/02/05	-	-	-	-	-	-	-	-
THU	11/03/05	-	-	-	-	-	-	-	-
FRI	11/04/05	-	-	-	-	-	-	-	-
SAT	11/05/05	-	-	-	-	-	-	-	-
SUN	11/06/05	-	-	-	-	-	-	-	-
MON	11/07/05	-	-	-	-	-	-	-	-
TUE	11/08/05	-	-	-	-	-	-	-	-
WED	11/09/05	-	-	-	-	-	-	-	-
THU	11/10/05	-	-	-	-	-	-	-	-
FRI	11/11/05	-	-	-	-	-	-	-	-
SAT	11/12/05	-	-	-	-	-	-	-	-
SUN	11/13/05	-	-	-	-	-	-	-	-
MON	11/14/05	0.30	0.30	-	-	-	-	-	-
TUE	11/15/05	0.20	0.20	-	-	-	-	-	-
WED	11/16/05	1.00	1.00	-	-	-	-	-	-
THU	11/17/05	0.00	0.00	-	-	-	-	-	-
FRI	11/18/05	0.00	0.00	-	-	-	-	-	-
SAT	11/19/05	0.00	0.00	-	-	-	-	-	-
SUN	11/20/05	0.00	0.00	-	-	-	-	-	-
MON	11/21/05	0.50	0.50	-	-	-	-	-	-
TUE	11/22/05	0.60	0.60	-	-	-	-	-	-
WED	11/23/05	0.00	0.00	-	-	-	-	-	-
THU	11/24/05	0.00	0.00	-	-	-	-	-	-
FRI	11/25/05	0.00	0.00	-	-	-	-	-	-
SAT	11/26/05	0.00	0.00	-	-	-	-	-	-
SUN	11/27/05	0.00	0.00	-	-	-	-	-	-
MON	11/28/05	0.00	0.00	-	-	-	-	-	-
TUE	11/29/05	3.50	3.50	-	-	-	-	-	-
WED	11/30/05	0.00	0.00	-	-	-	-	-	-
THU	12/01/05	0.00	0.00	-	-	-	-	-	-
FRI	12/02/05	0.00	0.00	-	-	-	-	-	-
SAT	12/03/05	0.00	0.00	-	-	-	-	-	-
SUN	12/04/05	0.00	0.00	-	-	-	-	-	-
MON	12/05/05	0.00	0.00	-	-	-	-	-	-
TUE	12/06/05	0.00	0.00	-	-	-	-	-	-
WED	12/07/05	0.00	0.00	-	-	-	-	-	-
THU	12/08/05	0.00	0.00	-	-	-	-	-	-
FRI	12/09/05	0.00	0.00	-	-	-	-	-	-
SAT	12/10/05	0.00	0.00	-	-	-	-	-	-
SUN	12/11/05	0.00	0.00	-	-	-	-	-	-
MON	12/12/05	0.00	0.00	-	-	-	-	-	-
TUE	12/13/05	0.00	0.00	-	-	-	-	-	-
WED	12/14/05	0.00	0.00	-	-	-	-	-	-
THU	12/15/05	0.00	0.00	-	-	-	-	-	-
FRI	12/16/05	0.00	0.00	-	-	-	-	-	-
SAT	12/17/05	0.00	0.00	-	-	-	-	-	-
SUN	12/18/05	0.00	0.00	-	-	-	-	-	-
MON	12/19/05	0.00	0.00	-	-	-	-	-	-
TUE	12/20/05	0.00	0.00	-	-	-	-	-	-
WED	12/21/05	0.00	0.00	-	-	-	-	-	-
THU	12/22/05	0.00	0.00	-	-	-	-	-	-
FRI	12/23/05	0.00	0.00	-	-	-	-	-	-
SAT	12/24/05	0.00	0.00	-	-	-	-	-	-
SUN	12/25/05	0.00	0.00	-	-	-	-	-	-
MON	12/26/05	0.70	0.70	-	-	-	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) flows

Day	Date	Precipitation Daily In/day	Ski Windham Daily Flow (GPD)	Ski Windham Avg Monthly Flow (GPD)	Wt. Min Village Daily Flow (GPD)	Wt. Min Village Avg Monthly Flow (GPD)	Thompson House Avg Daily Flow (GPD)	Thompson House Avg Monthly Flow (GPD)	Thompson House Flow Meter Readings (cf/d)
TUE	12/22/05	0.25	-	-	-	-	-	-	-
WED	12/23/05	0.00	-	-	-	-	-	-	-
THU	12/24/05	0.00	-	-	-	-	-	-	-
FRI	12/23/05	1.50	-	-	-	-	-	-	-
SAT	12/31/05	0.00	-	-	-	-	-	-	-
SUN	01/01/06	0.00	-	-	-	-	-	-	-
MON	01/02/06	0.00	-	-	-	-	-	-	-
TUE	01/03/06	0.00	-	-	-	-	-	-	-
WED	01/04/06	0.00	-	-	-	-	-	-	-
THU	01/05/06	0.00	-	-	-	-	-	-	-
FRI	01/06/06	0.00	-	-	-	-	-	-	-
SAT	01/07/06	0.00	-	-	-	-	-	-	-
SUN	01/08/06	0.00	-	-	-	-	-	-	-
MON	01/09/06	0.00	-	-	-	-	-	-	-
TUE	01/10/06	0.00	-	-	-	-	-	-	-
WED	01/11/06	0.00	-	-	-	-	-	-	-
THU	01/12/06	0.00	-	-	-	-	-	-	-
FRI	01/13/06	0.00	-	-	-	-	-	-	-
SAT	01/14/06	0.00	-	-	-	-	-	-	-
SUN	01/15/06	0.00	-	-	-	-	-	-	-
MON	01/16/06	0.00	-	-	-	-	-	-	-
TUE	01/17/06	1.30	-	-	-	-	-	-	-
WED	01/18/06	1.00	-	-	-	-	-	-	-
THU	01/19/06	0.00	-	-	-	-	-	-	-
FRI	01/20/06	0.00	-	-	-	-	-	-	-
SAT	01/21/06	0.00	-	-	-	-	-	-	-
SUN	01/22/06	0.00	-	-	-	-	-	-	-
MON	01/23/06	4.00	-	-	-	-	-	-	-
TUE	01/24/06	0.00	-	-	-	-	-	-	-
WED	01/25/06	0.00	-	-	-	-	-	-	-
THU	01/26/06	0.50	-	-	-	-	-	-	-
FRI	01/27/06	0.00	-	-	-	-	-	-	-
SAT	01/28/06	0.00	-	-	-	-	-	-	-
SUN	01/29/06	0.00	-	-	-	-	-	-	-
MON	01/30/06	0.30	-	-	-	-	-	-	-
TUE	01/31/06	0.40	-	-	-	-	-	-	-
WED	02/01/06	0.00	-	-	-	-	-	-	-
THU	02/02/06	0.00	-	-	-	-	-	-	-
FRI	02/03/06	0.25	-	-	-	-	-	-	-
SAT	02/04/06	0.80	-	-	-	-	-	-	-
SUN	02/05/06	0.75	-	-	-	-	-	-	-
MON	02/06/06	0.50	-	-	-	-	-	-	-
TUE	02/07/06	0.00	-	-	-	-	-	-	-
WED	02/08/06	0.00	-	-	-	-	-	-	-
THU	02/09/06	0.00	-	-	-	-	-	-	-
FRI	02/10/06	0.00	-	-	-	-	-	-	-
SAT	02/11/06	0.00	-	-	-	-	-	-	-
SUN	02/12/06	5.00	-	-	-	-	-	-	-
MON	02/13/06	0.00	-	-	-	-	-	-	-
TUE	02/14/06	0.00	-	-	-	-	-	-	-
WED	02/15/06	0.00	-	-	-	-	-	-	-
THU	02/16/06	0.00	-	-	-	-	-	-	-
FRI	02/17/06	0.20	-	-	-	-	-	-	-
SAT	02/18/06	1.00	-	-	-	-	-	-	-
SUN	02/19/06	0.00	-	-	-	-	-	-	-
MON	02/20/06	0.00	-	-	-	-	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

	Day	Date	Precipitation Daily Inches*	Ski Windham Daily Flow (GPD)	Ski Windham Avg Monthly Flow (GPD)	Win. Min Village Daily Flow (GPD)	Win. Min Village Avg Monthly Flow (GPD)	Thompson House Avg Daily Flow (GPD)	Thompson House Avg Monthly Flow (GPD)	Thompson House Flow Major Readings
	TUE	02/21/06	0.00	-	-	-	-	-	-	-
	WED	02/22/06	0.00	-	-	-	-	-	-	-
	THU	02/23/06	0.00	-	-	-	-	-	-	-
	FRI	02/24/06	0.00	-	-	-	-	-	-	-
	SAT	02/25/06	2.00	-	-	-	-	-	-	-
	SUN	02/26/06	0.00	-	-	-	-	-	-	-
	MON	02/27/06	0.00	-	-	-	-	-	-	-
	TUE	02/28/06	0.00	-	-	-	-	-	-	-
	WED	03/01/06	0.00	-	-	-	-	-	-	-
	THU	03/02/06	5.00	-	-	-	-	-	-	-
	FRI	03/03/06	0.00	-	-	-	-	-	-	-
	SAT	03/04/06	0.00	-	-	-	-	-	-	-
	SUN	03/05/06	0.00	-	-	-	-	-	-	-
	MON	03/06/06	0.00	-	-	-	-	-	-	-
	TUE	03/07/06	0.00	-	-	-	-	-	-	-
	WED	03/08/06	0.00	-	-	-	-	-	-	-
	THU	03/09/06	0.00	-	-	-	-	-	-	-
	FRI	03/10/06	0.00	-	-	-	-	-	-	-
	SAT	03/11/06	0.00	-	-	-	-	-	-	-
	SUN	03/12/06	0.00	-	-	-	-	-	-	-
	MON	03/13/06	0.70	-	-	-	-	-	-	-
	TUE	03/14/06	0.00	-	-	-	-	-	-	-
	WED	03/15/06	0.00	-	-	-	-	-	-	-
	THU	03/16/06	0.00	-	-	-	-	-	-	-
	FRI	03/17/06	0.00	-	-	-	-	-	-	-
	SAT	03/18/06	0.50	-	-	-	-	-	-	-
	SUN	03/19/06	0.00	-	-	-	-	-	-	-
	MON	03/20/06	0.00	-	-	-	-	-	-	-
	TUE	03/21/06	0.00	-	-	-	-	-	-	-
	WED	03/22/06	0.00	-	-	-	-	-	-	-
	THU	03/23/06	0.00	-	-	-	-	-	-	-
	FRI	03/24/06	0.20	-	-	-	-	-	-	-
	SAT	03/25/06	0.00	-	-	-	-	-	-	-
	SUN	03/26/06	0.00	-	-	-	-	-	-	-
	MON	03/27/06	0.00	-	-	-	-	-	-	-
	TUE	03/28/06	0.00	-	-	-	-	-	-	-
	WED	03/29/06	0.00	-	-	-	-	-	-	-
	THU	03/30/06	0.00	-	-	-	-	-	-	-
	FRI	03/31/06	0.00	-	-	-	-	-	-	-
	SAT	04/01/06	0.10	-	-	-	-	-	-	-
	SUN	04/02/06	0.00	-	-	-	-	-	-	-
	MON	04/03/06	0.00	-	-	-	-	-	-	-
	TUE	04/04/06	0.75	-	-	-	-	-	-	-
	WED	04/05/06	0.00	-	-	-	-	-	-	-
	THU	04/06/06	0.00	-	-	-	-	-	-	-
	FRI	04/07/06	0.00	-	-	-	-	-	-	-
	SAT	04/08/06	0.20	-	-	-	-	-	-	-
	SUN	04/09/06	0.00	-	-	-	-	-	-	-
	MON	04/10/06	0.00	-	-	-	-	-	-	-
	TUE	04/11/06	0.00	-	-	-	-	-	-	-
	WED	04/12/06	0.00	-	-	-	-	-	-	-
	THU	04/13/06	0.00	-	-	-	-	-	-	-
	FRI	04/14/06	0.00	-	-	-	-	-	-	-
	SAT	04/15/06	0.25	-	-	-	-	-	-	-
	SUN	04/16/06	0.00	-	-	-	-	-	-	-
	MON	04/17/06	0.00	-	-	-	-	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation	Skt Windham	Skt Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Flow Meter Readings (GPD)
Day	Date	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)	Flow (GPD)
TUE	04/10/06	0.00	-	-	-	-	-	-	-
WED	04/11/06	0.00	-	-	-	-	-	-	-
THU	04/12/06	0.00	-	-	-	-	-	-	-
FRI	04/13/06	0.00	-	-	-	-	-	-	-
SAT	04/14/06	0.00	-	-	-	-	-	-	-
SUN	04/15/06	1.50	-	-	-	-	-	-	-
MON	04/16/06	-	-	-	-	-	-	-	-
TUE	04/17/06	0.00	-	-	-	-	-	-	-
WED	04/18/06	0.00	-	-	-	-	-	-	-
THU	04/19/06	0.00	-	-	-	-	-	-	-
FRI	04/20/06	0.00	-	-	-	-	-	-	-
SAT	04/21/06	0.00	-	-	-	-	-	-	-
SUN	04/22/06	-	-	-	-	-	-	-	-
MON	04/23/06	-	-	-	-	-	-	-	-
TUE	04/24/06	0.00	-	-	-	-	-	-	-
WED	04/25/06	0.00	-	-	-	-	-	-	-
THU	04/26/06	0.00	-	-	-	-	-	-	-
FRI	04/27/06	0.00	-	-	-	-	-	-	-
SAT	04/28/06	0.00	-	-	-	-	-	-	-
SUN	04/29/06	0.00	-	-	-	-	-	-	-
MON	04/30/06	0.00	-	-	-	-	-	-	-
TUE	05/01/06	0.00	-	-	-	-	-	-	-
WED	05/02/06	0.00	-	-	-	-	-	-	-
THU	05/03/06	0.00	-	-	-	-	-	-	-
FRI	05/04/06	0.00	-	-	-	-	-	-	-
SAT	05/05/06	0.00	-	-	-	-	-	-	-
SUN	05/06/06	0.00	-	-	-	-	-	-	-
MON	05/07/06	0.00	-	-	-	-	-	-	-
TUE	05/08/06	0.00	-	-	-	-	-	-	-
WED	05/09/06	0.00	-	-	-	-	-	-	-
THU	05/10/06	2.30	-	-	-	-	-	-	-
FRI	05/11/06	-	-	-	-	-	-	-	-
SAT	05/12/06	1.60	-	-	-	-	-	-	-
SUN	05/13/06	0.40	-	-	-	-	-	-	-
MON	05/14/06	0.00	-	-	-	-	-	-	-
TUE	05/15/06	0.40	-	-	-	-	-	-	-
WED	05/16/06	0.70	-	-	-	-	-	-	-
THU	05/17/06	0.00	-	-	-	-	-	-	-
FRI	05/18/06	0.20	-	-	-	-	-	-	-
SAT	05/19/06	0.00	-	-	-	-	-	-	-
SUN	05/20/06	0.10	-	-	-	-	-	-	-
MON	05/21/06	0.00	connects to Town	-	-	-	-	-	-
TUE	05/22/06	0.00	Town	16,660	-	-	-	-	-
WED	05/23/06	0.00		12,023	-	-	-	-	-
THU	05/24/06	0.00		-	-	-	-	-	-
FRI	05/25/06	0.00		-	-	-	-	-	-
SAT	05/26/06	0.00		-	-	-	-	-	-
SUN	05/27/06	0.00		-	-	-	-	-	-
MON	05/28/06	0.00		-	-	-	-	-	-
TUE	05/29/06	14,100		-	-	-	-	-	-
WED	05/30/06	1.00		-	-	-	-	-	-
THU	05/31/06	0.25		14,217					
FRI	06/01/06	0.50							
SAT	06/02/06	0.00							0
SUN	06/03/06	0.00							0
MON	06/04/06	0.25							0
TUE	06/05/06	0.00							0
WED	06/06/06	0.00							0
THU	06/07/06	1.50							3,651
FRI	06/08/06	0.00							3,591
SAT	06/09/06	55,025							3,591
SUN	06/10/06	0.00							0
MON	06/11/06	22,500							10,774

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation Daily Date	Ski Windham Daily Flow (GPD)	Ski Windham Avg Monthly Flow (GPD)	Win. Min Village Daily Flow (GPD)	Win. Min Village Avg Monthly Flow (GPD)	Thompson House Avg Daily Flow (GPD)	Thompson House Avg Monthly Flow (GPD)	Thompson House Flow Meter Readings
MON	06/11/06	0.00	-	-	-	-	-	-	0
TUE	06/12/06	0.10	-	-	-	-	-	-	0
WED	06/13/06	0.50	-	-	-	-	-	-	0
THU	06/14/06	0.00	-	-	-	-	-	-	0
FRI	06/15/06	0.00	-	-	-	-	-	-	0
SAT	06/17/06	0.25	-	-	-	-	-	-	0
SUN	06/18/06	0.25	-	-	-	-	-	-	0
MON	06/19/06	0.00	-	-	-	-	-	-	0
TUE	06/20/06	0.00	-	-	-	-	-	-	0
WED	06/21/06	0.00	-	-	-	-	-	-	0
THU	06/22/06	0.00	-	-	-	-	-	-	28
FRI	06/23/06	0.50	-	-	-	-	-	-	28
SAT	06/24/06	0.75	-	-	-	-	-	-	28
SUN	06/25/06	0.75	-	-	-	-	-	-	28
MON	06/26/06	2.00	-	-	163,680	-	-	-	2,351
TUE	06/27/06	0.75	-	-	71,750	-	-	-	2,351
WED	06/28/06	0.75	-	-	78,580	-	-	-	2,351
THU	06/29/06	0.00	-	-	49,280	-	-	-	2,351
FRI	06/30/06	0.00	-	-	68,171	-	-	-	2,351
SAT	07/01/06	0.00	-	-	30,260	-	-	-	2,351
SUN	07/02/06	0.00	-	-	29,280	-	-	-	2,351
MON	07/03/06	0.75	-	-	-	-	-	-	2,351
TUE	07/04/06	0.10	-	-	4,911	-	-	-	2,351
WED	07/05/06	0.00	-	-	37,880	-	-	-	2,351
THU	07/06/06	0.00	-	-	-	-	-	-	1,789
FRI	07/07/06	0.00	-	-	-	-	-	-	1,789
SAT	07/08/06	0.00	-	-	20,070	-	-	-	1,000
SUN	07/09/06	0.00	-	-	-	-	-	-	1,000
MON	07/10/06	0.75	-	-	-	-	-	-	1,000
TUE	07/11/06	0.10	-	-	-	-	-	-	1,000
WED	07/12/06	0.00	-	-	-	-	-	-	1,000
THU	07/13/06	0.00	-	-	-	-	-	-	1,000
FRI	07/14/06	0.00	-	-	-	-	-	-	1,000
SAT	07/15/06	0.10	-	-	18,420	-	-	-	1,000
SUN	07/16/06	0.25	-	-	15,320	-	-	-	1,000
MON	07/17/06	0.00	-	-	-	-	-	-	1,000
TUE	07/18/06	0.00	-	-	-	-	-	-	1,000
WED	07/19/06	0.00	-	-	-	-	-	-	1,000
THU	07/20/06	0.00	-	-	11,280	-	-	-	1,000
FRI	07/21/06	0.00	-	-	11,760	-	-	-	1,000
SAT	07/22/06	0.25	-	-	-	-	-	-	1,000
SUN	07/23/06	1.00	-	-	33,600	-	-	-	1,000
MON	07/24/06	0.00	-	-	21,260	-	-	-	1,000
TUE	07/25/06	0.00	-	-	14,040	-	-	-	1,000
WED	07/26/06	0.00	-	-	-	-	-	-	1,000
THU	07/27/06	0.00	-	-	-	-	-	-	1,000
FRI	07/28/06	0.00	-	-	-	-	-	-	1,000
SAT	07/29/06	0.40	-	-	-	-	-	-	1,000
SUN	07/30/06	0.00	-	-	-	-	-	-	1,000
MON	07/31/06	0.00	-	-	-	-	-	-	1,000
TUE	08/01/06	0.00	-	-	-	-	-	-	1,000
WED	08/02/06	0.00	-	-	-	-	-	-	1,000
THU	08/03/06	0.00	-	-	-	-	-	-	1,000
FRI	08/04/06	0.00	-	-	-	-	-	-	1,000
SAT	08/05/06	0.50	-	-	-	-	-	-	1,000
SUN	08/06/06	0.00	-	-	-	-	-	-	1,000

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Day	Date	Precipitation	Skt Windham Daily Flow (GPD)	Skt Windham Avg Monthly Flow (GPD)	Wm. Min Village Daily Flow (GPD)	Wm. Min Village Avg Monthly Flow (GPD)	Thompson House Avg Daily Flow (GPD)	Thompson House Avg Monthly Flow (GPD)	Thompson House Flow Meter Readings (GPD)
MON	08/07/00	0.00	-	-	-	-	-	-	29,270
TUE	08/08/00	0.00	-	-	-	-	-	-	4,179
WED	08/09/00	0.00	-	-	-	-	-	-	4,178
THU	08/10/00	0.00	-	-	-	-	-	-	4,179
FRI	08/11/00	0.00	-	-	-	-	-	-	4,179
SAT	08/12/00	0.00	-	-	-	-	-	-	4,179
SUN	08/13/00	0.00	-	-	-	-	-	-	4,179
MON	08/14/00	0.00	-	-	50,190	-	-	-	4,179
TUE	08/15/00	0.00	-	-	18,910	-	-	-	4,179
WED	08/16/00	0.00	-	-	-	-	-	-	33,428
THU	08/17/00	0.00	-	-	-	-	-	-	0
FRI	08/18/00	0.00	-	-	-	-	-	-	4,633
SAT	08/19/00	2.60	14,800	-	-	-	-	-	4,633
SUN	08/20/00	0.00	42,590	-	-	-	-	-	4,633
MON	08/21/00	0.00	-	-	-	-	-	-	23,167
TUE	08/22/00	0.25	-	-	-	-	-	-	3,657
WED	08/23/00	0.00	-	-	-	-	-	-	3,657
THU	08/24/00	0.00	-	-	-	-	-	-	3,657
FRI	08/25/00	0.00	-	-	-	-	-	-	3,657
SAT	08/26/00	0.80	23,270	-	-	-	-	-	3,657
SUN	08/27/00	0.50	18,260	-	-	-	-	-	3,657
MON	08/28/00	1.25	-	-	-	-	-	-	3,657
TUE	08/29/00	0.00	-	-	-	-	-	-	25,650
WED	08/30/00	0.00	-	-	-	-	-	-	2,403
THU	08/31/00	0.00	-	-	23,735	-	-	-	2,403
FRI	09/01/00	0.00	-	-	-	-	-	-	2,403
SAT	09/02/00	0.25	-	-	-	-	-	-	2,403
SUN	09/03/00	0.50	-	-	-	-	-	-	2,403
MON	09/04/00	0.00	-	20,390	-	-	-	-	2,403
TUE	09/05/00	0.25	16,050	-	-	-	-	-	2,403
WED	09/06/00	0.00	-	-	-	-	-	-	2,403
THU	09/07/00	0.00	-	-	-	-	-	-	2,403
SAT	09/08/00	0.00	-	-	-	-	-	-	2,403
SUN	09/10/00	0.00	-	-	-	-	-	-	2,403
MON	09/11/00	0.00	-	-	-	-	-	-	2,403
TUE	09/12/00	0.00	-	-	-	-	-	-	2,403
WED	09/13/00	0.00	-	-	-	-	-	-	2,403
THU	09/14/00	1.75	-	-	-	-	-	-	2,403
FRI	09/15/00	0.00	62,170	-	-	-	-	-	2,403
SAT	09/16/00	0.00	44,350	-	-	-	-	-	2,403
SUN	09/17/00	0.00	29,110	-	-	-	-	-	32,625
MON	09/18/00	0.00	-	-	-	-	-	-	3,313
TUE	09/19/00	0.00	-	-	-	-	-	-	2,403
WED	09/20/00	0.00	-	-	-	-	-	-	2,403
THU	09/21/00	0.00	-	-	-	-	-	-	2,403
FRI	09/22/00	0.00	-	-	-	-	-	-	2,403
SAT	09/23/00	0.25	17,140	-	-	-	-	-	2,403
SUN	09/24/00	0.50	13,910	-	-	-	-	-	2,403
MON	09/25/00	0.00	-	-	-	-	-	-	17,450
TUE	09/26/00	0.00	-	-	-	-	-	-	2,403
WED	09/27/00	0.00	-	-	-	-	-	-	2,403
THU	09/28/00	0.50	-	-	-	-	-	-	2,403
FRI	09/29/00	0.35	-	-	-	-	-	-	2,403
SAT	09/30/00	1.25	15,760	27,365	-	-	-	-	2,403
SUN	10/01/00	0.50	31,570	-	-	-	-	-	2,403

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Thompson House
Day	Date	Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
MON	10/29/06	0.00	21,540	-	-	-	2,812	-	-
TUE	10/30/06	0.00	15,700	-	-	-	2,094	-	-
WED	10/31/06	0.00	6,155	-	-	-	2,694	-	-
THU	10/01/06	0.00	-	-	-	-	2,694	-	-
FRI	10/02/06	0.00	-	-	-	-	2,694	-	-
SAT	10/03/06	0.00	19,380	-	-	-	2,694	-	-
SUN	10/04/06	0.00	19,770	-	-	-	2,694	-	-
MON	10/05/06	0.00	-	-	-	-	2,694	-	-
TUE	10/06/06	0.00	8,310	-	-	-	2,694	-	-
WED	10/07/06	0.75	11,050	-	-	-	2,694	-	-
THU	10/08/06	0.00	1,660	-	-	-	2,694	-	-
FRI	10/09/06	0.00	-	-	-	-	2,694	-	-
SAT	10/10/06	0.00	11,700	-	-	-	2,694	-	-
SUN	10/11/06	0.00	15,090	-	-	-	2,694	-	-
MON	10/12/06	0.00	12,000	-	-	-	2,694	-	-
TUE	10/13/06	0.00	76,000	-	-	-	2,694	-	-
WED	10/14/06	0.50	15,160	-	-	-	2,694	-	-
THU	10/15/06	0.00	17,200	-	-	-	2,694	-	-
FRI	10/16/06	0.50	16,240	-	-	-	2,694	-	-
SAT	10/17/06	0.25	70,000	-	-	-	2,694	-	-
SUN	10/18/06	0.00	50,350	-	-	-	2,694	-	-
MON	10/19/06	0.00	27,020	-	-	-	2,694	-	-
TUE	10/20/06	0.00	20,710	-	-	-	2,694	-	-
WED	10/21/06	0.00	17,510	-	-	-	2,694	-	-
THU	10/22/06	0.00	16,320	-	-	-	2,694	-	-
FRI	10/23/06	0.00	12,840	-	-	-	2,694	-	-
SAT	10/24/06	0.00	16,910	-	-	-	2,694	-	-
SUN	10/25/06	0.50	88,350	-	-	-	2,694	-	-
MON	10/26/06	0.00	49,350	-	-	-	2,694	-	-
TUE	10/27/06	0.00	29,950	-	-	-	2,694	-	-
WED	10/28/06	0.50	21,480	-	-	-	2,694	-	-
THU	10/29/06	0.50	20,050	-	-	-	2,694	-	-
FRI	10/30/06	0.00	25,740	-	-	-	2,694	-	-
SAT	10/31/06	0.00	25,250	-	-	-	2,694	-	-
SUN	11/01/06	0.00	26,250	-	-	-	2,694	-	-
MON	11/02/06	0.00	19,850	-	-	-	2,694	-	-
TUE	11/03/06	0.00	17,020	-	-	-	2,694	-	-
WED	11/04/06	0.25	16,230	-	-	-	2,694	-	-
THU	11/05/06	2.00	63,460	-	-	-	2,694	-	-
FRI	11/06/06	0.00	59,350	-	-	-	2,694	-	-
SAT	11/07/06	0.00	34,710	-	-	-	2,694	-	-
SUN	11/08/06	0.00	29,040	-	-	-	2,694	-	-
MON	11/09/06	0.25	24,160	-	-	-	2,694	-	-
TUE	11/10/06	0.25	27,650	-	-	-	2,694	-	-
WED	11/11/06	0.00	38,470	-	-	-	2,694	-	-
THU	11/12/06	1.25	35,180	-	-	-	2,694	-	-
FRI	11/13/06	0.00	87,550	-	-	-	2,694	-	-
SAT	11/14/06	0.00	81,010	-	-	-	2,694	-	-
SUN	11/15/06	0.00	38,810	-	-	-	2,694	-	-
MON	11/16/06	0.00	20,020	-	-	-	2,694	-	-
TUE	11/17/06	0.00	17,780	-	-	-	2,694	-	-
WED	11/18/06	0.00	23,780	-	-	-	2,694	-	-
THU	11/19/06	0.25	21,720	-	-	-	2,694	-	-
FRI	11/20/06	0.00	27,650	-	-	-	2,694	-	-
SAT	11/21/06	0.00	35,690	-	-	-	2,694	-	-
SUN	11/22/06	0.00	45,200	-	-	-	2,694	-	-
MON	11/23/06	0.00	34,050	-	-	-	2,694	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Day	Date	Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House
		Daily Inflow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
MON	11/21/06	0.00	19,470	-	-	-	Closed for season	-
TUE	11/22/06	0.00	19,770	-	-	-	Closed for season	-
WED	11/23/06	0.00	10,590	-	-	-	Closed for season	-
THU	11/24/06	0.10	11,510	31,824	-	-	Closed for season	-
FRI	12/01/06	0.25	42,780	-	-	-	Closed for season	-
SAT	12/02/06	0.00	39,110	-	-	-	Closed for season	-
SUN	12/03/06	0.00	27,580	-	-	-	Closed for season	-
MON	12/04/06	0.00	22,650	-	-	-	Closed for season	-
TUE	12/05/06	0.00	18,420	-	-	-	Closed for season	-
WED	12/06/06	0.00	20,510	-	-	-	Closed for season	-
THU	12/07/06	0.00	19,660	-	-	-	Closed for season	-
FRI	12/08/06	0.00	23,550	-	-	-	Closed for season	-
SAT	12/09/06	0.00	45,350	-	-	-	Closed for season	-
SUN	12/10/06	0.00	42,010	-	-	-	Closed for season	-
MON	12/11/06	0.00	18,700	-	-	-	Closed for season	-
TUE	12/12/06	0.00	19,100	-	-	-	Closed for season	-
WED	12/13/06	0.00	18,670	-	-	-	Closed for season	-
THU	12/14/06	0.00	19,020	-	-	-	Closed for season	-
FRI	12/15/06	0.00	19,970	-	-	-	Closed for season	-
SAT	12/16/06	0.25	40,440	-	-	-	Closed for season	-
SUN	12/17/06	0.00	45,120	-	-	-	Closed for season	-
MON	12/18/06	0.00	19,500	-	-	-	Closed for season	-
TUE	12/19/06	0.00	19,160	-	-	-	Closed for season	-
WED	12/20/06	0.00	19,050	-	-	-	Closed for season	-
THU	12/21/06	0.00	28,970	-	-	-	Closed for season	-
FRI	12/22/06	0.00	33,320	-	-	-	Closed for season	-
SAT	12/23/06	0.25	53,750	-	-	-	Closed for season	-
SUN	12/24/06	0.00	62,670	-	-	-	Closed for season	-
MON	12/25/06	0.25	81,650	-	-	-	Closed for season	-
TUE	12/26/06	0.00	reducing off	-	-	-	Closed for season	-
WED	12/27/06	0.00	reducing off	-	-	-	Closed for season	-
THU	12/28/06	0.00	reducing off	-	-	-	Closed for season	-
FRI	12/29/06	0.00	reducing off	-	-	-	Closed for season	-
SAT	12/30/06	0.00	reducing off	-	-	-	Closed for season	-
SUN	12/31/06	0.00	31,984	-	-	-	Closed for season	-
MON	01/01/07	0.25	16,180	-	-	-	Closed for season	-
TUE	01/02/07	0.00	46,150	-	-	-	Closed for season	-
WED	01/03/07	0.00	31,630	-	-	-	Closed for season	-
THU	01/04/07	0.00	32,650	-	-	-	Closed for season	-
FRI	01/05/07	0.00	33,110	-	-	-	Closed for season	-
SAT	01/06/07	0.75	81,820	-	-	-	Closed for season	-
SUN	01/07/07	0.00	53,350	-	-	-	Closed for season	-
MON	01/08/07	0.25	60,820	-	-	-	Closed for season	-
TUE	01/09/07	0.00	47,210	-	-	-	Closed for season	-
WED	01/10/07	1.00	39,280	-	-	-	Closed for season	-
THU	01/11/07	0.00	33,320	-	-	-	Closed for season	-
FRI	01/12/07	0.00	44,070	-	-	-	Closed for season	-
SAT	01/13/07	0.25	104,760	-	-	-	Closed for season	-
SUN	01/14/07	0.00	110,450	-	-	-	Closed for season	-
MON	01/15/07	0.00	89,720	-	-	-	Closed for season	-
TUE	01/16/07	0.00	39,280	-	-	-	Closed for season	-
WED	01/17/07	0.00	35,310	-	-	-	Closed for season	-
THU	01/18/07	0.10	37,130	-	-	-	Closed for season	-
FRI	01/19/07	0.10	91,340	-	-	-	Closed for season	-
SAT	01/20/07	0.00	rendition off	-	-	-	Closed for season	-
SUN	01/21/07	0.00	143,980	-	-	-	Closed for season	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Day	Date	Precipitation Daily Inches	Ski Windham Daily Flow (GPD)	Avg Monthly Flow (GPD)	Ski Windham Daily Flow (GPD)	Win. Min Village Avg Monthly Flow (GPD)	Win. Min Village Avg Monthly Flow (GPD)	Thompson House Avg Daily Flow (GPD)	Thompson House Avg Monthly Flow (GPD)	Thompson House Flow Meter Readings (GPD)
MON	01/23/07	0.00	54,420	-	-	-	-	-	-	Closed for season
TUE	01/24/07	0.00	22,080	-	-	-	-	-	-	Closed for season
WED	01/25/07	0.00	21,550	-	-	-	-	-	-	Closed for season
THU	01/26/07	0.00	30,980	-	-	-	-	-	-	Closed for season
FRI	01/26/07	0.00	30,980	-	-	-	-	-	-	Closed for season
SAT	01/27/07	0.00	115,550	-	-	-	-	-	-	Closed for season
SUN	01/28/07	0.00	105,110	-	-	-	-	-	-	Closed for season
MON	01/29/07	0.00	44,450	-	-	-	-	-	-	Closed for season
TUE	01/30/07	0.00	44,240	-	-	-	-	-	-	Closed for season
WED	01/31/07	0.00	38,170	61,250	-	-	-	-	-	Closed for season
THU	02/01/07	0.00	42,610	-	-	-	-	-	-	Closed for season
FRI	02/02/07	0.00	60,210	-	-	-	-	-	-	Closed for season
SAT	02/03/07	0.20	70,200	-	-	-	-	-	-	Closed for season
SUN	02/04/07	0.05	95,240	-	-	-	-	-	-	Closed for season
MON	02/05/07	0.00	39,510	-	-	-	-	-	-	Closed for season
TUE	02/06/07	0.00	43,030	-	-	-	-	-	-	Closed for season
WED	02/07/07	0.00	48,150	-	-	-	-	-	-	Closed for season
THU	02/08/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	02/09/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	02/10/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SUN	02/11/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	02/12/07	0.00	reading off	-	-	-	-	-	-	Closed for season
TUE	02/13/07	0.00	reading off	-	-	-	-	-	-	Closed for season
WED	02/14/07	2.40	reading off	-	-	-	-	-	-	Closed for season
THU	02/15/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	02/16/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	02/17/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SUN	02/18/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	02/19/07	0.00	reading off	-	-	-	-	-	-	Closed for season
TUE	02/20/07	0.00	reading off	-	-	-	-	-	-	Closed for season
WED	02/21/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	02/22/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	02/23/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	02/24/07	0.30	reading off	-	-	-	-	-	-	Closed for season
SUN	02/25/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	02/26/07	0.20	reading off	-	-	-	-	-	-	Closed for season
TUE	02/27/07	0.20	reading off	-	-	-	-	-	-	Closed for season
WED	02/28/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	02/29/07	0.20	reading off	-	-	-	-	-	-	Closed for season
FRI	03/01/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	03/02/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SUN	03/03/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	03/04/07	0.30	reading off	-	-	-	-	-	-	Closed for season
TUE	03/05/07	0.10	reading off	-	-	-	-	-	-	Closed for season
WED	03/06/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	03/07/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	03/08/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	03/09/07	0.25	reading off	-	-	-	-	-	-	Closed for season
SUN	03/10/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	03/11/07	0.00	reading off	-	-	-	-	-	-	Closed for season
TUE	03/12/07	1.00	reading off	-	-	-	-	-	-	Closed for season
WED	03/13/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	03/14/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	03/15/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	03/16/07	2.00	reading off	-	-	-	-	-	-	Closed for season
SUN	03/17/07	1.00	reading off	-	-	-	-	-	-	Closed for season
MON	03/18/07	0.00	reading off	-	-	-	-	-	-	Closed for season
TUE	03/19/07	0.00	reading off	-	-	-	-	-	-	Closed for season
WED	03/20/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	03/21/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	03/22/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	03/23/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SUN	03/24/07	0.00	reading off	-	-	-	-	-	-	Closed for season
MON	03/25/07	0.00	reading off	-	-	-	-	-	-	Closed for season
TUE	03/26/07	0.00	reading off	-	-	-	-	-	-	Closed for season
WED	03/27/07	0.00	reading off	-	-	-	-	-	-	Closed for season
THU	03/28/07	0.00	reading off	-	-	-	-	-	-	Closed for season
FRI	03/29/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SAT	03/30/07	0.00	reading off	-	-	-	-	-	-	Closed for season
SUN	03/31/07	0.00	reading off	-	-	-	-	-	-	Closed for season

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation	Skyl Windham	Skyl Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Thompson House
Day	Date	Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
MON	03/19/07	0.00	reading off	-	-	-	-	-	-
TUE	03/20/07	0.00	reading off	-	-	-	-	-	-
WED	03/21/07	0.00	reading off	-	-	-	-	-	-
THU	03/22/07	0.00	reading off	-	-	-	-	-	-
FRI	03/23/07	0.00	reading off	-	-	-	-	-	-
SAT	03/24/07	0.50	reading off	-	-	-	-	-	-
SUN	03/25/07	0.00	reading off	-	-	-	-	-	-
MON	03/26/07	0.25	reading off	-	-	-	-	-	-
TUE	03/27/07	0.00	reading off	-	-	-	-	-	-
WED	03/28/07	0.00	reading off	-	-	-	-	-	-
THU	03/29/07	0.00	reading off	-	-	-	-	-	-
FRI	03/30/07	0.00	reading off	-	-	-	-	-	-
SAT	03/31/07	0.00	reading off	-	-	-	-	-	-
SUN	04/01/07	0.00	reading off	-	-	-	-	-	-
MON	04/02/07	0.00	reading off	-	-	-	-	-	-
TUE	04/03/07	0.25	reading off	-	-	-	-	-	-
WED	04/04/07	0.35	reading off	-	-	-	-	-	-
THU	04/05/07	0.00	reading off	-	-	-	-	-	-
FRI	04/06/07	0.00	reading off	-	-	-	-	-	-
SAT	04/07/07	0.00	reading off	-	-	-	-	-	-
SUN	04/08/07	0.00	reading off	-	-	-	-	-	-
MON	04/09/07	0.00	reading off	-	-	-	-	-	-
TUE	04/10/07	0.00	reading off	-	-	-	-	-	-
WED	04/11/07	0.00	reading off	-	-	-	-	-	-
THU	04/12/07	0.50	reading off	-	-	-	-	-	-
FRI	04/13/07	0.50	reading off	-	-	-	-	-	-
SAT	04/14/07	0.25	reading off	-	-	-	-	-	-
SUN	04/15/07	3.50	reading off	-	-	-	-	-	-
MON	04/16/07	2.25	reading off	-	-	-	-	-	-
TUE	04/17/07	0.00	reading off	-	-	-	-	-	-
WED	04/18/07	0.00	reading off	-	-	-	-	-	-
THU	04/19/07	0.00	reading off	-	-	-	-	-	-
FRI	04/20/07	0.00	reading off	-	-	-	-	-	-
SAT	04/21/07	0.00	reading off	-	-	-	-	-	-
SUN	04/22/07	0.00	reading off	-	-	-	-	-	-
MON	04/23/07	0.00	reading off	-	-	-	-	-	-
TUE	04/24/07	0.00	reading off	-	-	-	-	-	-
WED	04/25/07	0.50	reading off	-	-	-	-	-	-
THU	04/26/07	0.00	reading off	-	-	-	-	-	-
FRI	04/27/07	0.00	reading off	-	-	-	-	-	-
SAT	04/28/07	0.25	reading off	-	-	-	-	-	-
SUN	04/29/07	0.00	reading off	-	-	-	-	-	-
MON	04/30/07	0.00	reading off	-	-	-	-	-	-
TUE	05/01/07	0.00	reading off	-	-	-	-	-	-
WED	05/02/07	0.00	reading off	-	-	-	-	-	-
THU	05/03/07	0.00	reading off	-	-	-	-	-	-
FRI	05/04/07	0.00	reading off	-	-	-	-	-	-
SAT	05/05/07	0.00	reading off	-	-	-	-	-	-
SUN	05/06/07	0.00	reading off	-	-	-	-	-	-
MON	05/07/07	0.00	reading off	-	-	-	-	-	-
TUE	05/08/07	0.00	reading off	-	-	-	-	-	-
WED	05/09/07	0.00	reading off	-	-	-	-	-	-
THU	05/10/07	0.75	reading off	-	-	-	-	-	-
FRI	05/11/07	0.50	reading off	-	-	-	-	-	-
SAT	05/12/07	0.00	reading off	-	-	-	-	-	-
SUN	05/13/07	0.00	reading off	-	-	-	-	-	-

Town of Windham

Whalewater Treatment Plant (WWTP) Flows

	Day	Date	Precipitation	Skt Windham	Skt Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Thompson House
			Daily In/day	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
MON	05/14/07		0.00	24,636	24,636	connects to Town		Closed for season		
TUE	05/15/07	0.25	26,432	2,050	2,050			Closed for season		
WED	05/16/07	0.25	31,280	2,050	2,050			Closed for season		
THU	05/17/07	0.00	28,070	2,050	2,050			Closed for season		
FRI	05/18/07	0.00	28,070	2,050	2,050			Closed for season		
SAT	05/19/07	1.00	30,450	2,471	2,471			Closed for season		
SUN	05/20/07	0.00	39,440	12,910	12,910			Closed for season		
MON	05/21/07	0.00	32,470	3,019	3,019			Closed for season		
TUE	05/22/07	0.00	31,760	3,359	3,359			Closed for season		
WED	05/23/07	0.00	22,330	2,404	2,404			Closed for season		
THU	05/24/07	0.00	21,020	3,445	3,445			Closed for season		
FRI	05/25/07	0.00	20,130	4,212	4,212			Closed for season		
SAT	05/26/07	0.00	23,160	4,655	4,655			Closed for season		
SUN	05/27/07	0.00	23,770	6,309	6,309			Closed for season		
MON	05/28/07	0.75	25,630	6,063	6,063			Closed for season		
TUE	05/29/07	0.00	18,950	5,110	5,110			Closed for season		
WED	05/30/07	0.00	17,100	6,933	6,933			Closed for season		
THU	05/31/07	0.00	17,220	26,554	26,554			Closed for season		
FRI	06/01/07	0.00	10,240	909	4,052			Closed for season		
SAT	06/02/07	0.00	21,380	709	709			Closed for season		
SUN	06/03/07	0.75	32,080	1,633	1,633			Closed for season		
MON	06/04/07	1.25	66,050	2,773	2,773			Closed for season		
TUE	06/05/07	0.00	41,420	3,387	3,387			Closed for season		
WED	06/06/07	0.00	28,760	1,265	1,265			Closed for season		
THU	06/07/07	0.00	21,750	769	769			Closed for season		
FRI	06/08/07	0.00	0.00	764	764			Closed for season		
SAT	06/09/07	0.00	20,660	1,053	1,053			Closed for season		
SUN	06/10/07	0.00	17,880	1,322	1,322			Closed for season		
MON	06/11/07	0.50	15,460	1,765	1,765			Closed for season		
TUE	06/12/07	0.00	19,080	1,094	1,094			Closed for season		
WED	06/13/07	0.00	18,730	941	941			Closed for season		
THU	06/14/07	0.00	15,180	703	703			Closed for season		
FRI	06/15/07	0.00	14,270	657	657			Closed for season		
SAT	06/16/07	0.00	12,550	820	820			Closed for season		
SUN	06/17/07	0.00	13,050	1,814	1,814			Closed for season		
MON	06/18/07	0.00	14,050	1,765	1,765			Closed for season		
TUE	06/19/07	0.00	11,570	2,134	2,134			Closed for season		
WED	06/20/07	1.25	22,760	1,339	1,339			Closed for season		
THU	06/21/07	0.00	22,660	1,135	1,135			Closed for season		
FRI	06/22/07	0.00	0.00	651	651			Closed for season		
SAT	06/23/07	0.00	12,460	1,217	1,217			Closed for season		
SUN	06/24/07	0.00	12,440	1,260	1,260			Closed for season		
MON	06/25/07	0.00	14,070	1,560	1,560			Closed for season		
TUE	06/26/07	0.00	15,720	1,050	1,050			Closed for season		
WED	06/27/07	0.00	15,550	1,191	1,191			Closed for season		
THU	06/28/07	0.00	17,240	1,937	1,937			Closed for season		
FRI	06/29/07	0.00	15,550	1,163	1,163			Closed for season		
SAT	06/30/07	0.00	16,000	1,355	1,355			Closed for season		
SUN	07/01/07	0.00	15,070	2,211	2,211			Closed for season		
MON	07/02/07	0.00	19,807	3,501	3,501			Closed for season		
TUE	07/03/07	0.00	10,470	1,448	1,448			Closed for season		
WED	07/04/07	0.25	12,160	2,305	2,305			Closed for season		
THU	07/05/07	0.00	10,250	2,694	2,694			Closed for season		
FRI	07/06/07	0.00	10,210	2,590	2,590			Closed for season		
SAT	07/07/07	0.00	11,450	2,041	2,041			Closed for season		
				2,055	2,055			Closed for season		

Town of Windham

Waterworks Treatment Plant (WWTP) Flows

Day	Date	Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House
		Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Flow Meter Readings (GPD)
SUN	07/08/07	0.50	9,659	2,227			3,602	
MON	07/09/07	0.25	11,936		1,550		3,620	
TUE	07/10/07	0.00	8,650		1,734		3,620	
WED	07/11/07	0.25	10,850		1,983		3,620	
THU	07/12/07	0.00	9,810		1,232		3,620	
FRI	07/13/07	0.10	6,900		1,813		3,620	
SAT	07/14/07	0.00	7,070		2,039		3,620	
SUN	07/15/07	0.00	7,050		2,681		3,620	
MON	07/16/07	0.00	6,270		2,474		3,620	
TUE	07/17/07	0.50	6,520		2,236		3,620	
WED	07/18/07	0.00	10,730		1,910		3,620	
THU	07/19/07	0.25	10,689		1,956		3,620	
FRI	07/20/07	0.00	8,490		2,646		4,222	
SAT	07/21/07	0.00	8,010		2,020		4,222	
SUN	07/22/07	0.00	6,780		2,438		4,222	
MON	07/23/07	1.50	26,530		2,983		4,222	
TUE	07/24/07	0.00	22,250		2,635		4,222	
WED	07/25/07	0.00	10,010		2,128		4,222	
THU	07/26/07	0.00	8,630		2,009		4,222	
FRI	07/27/07	0.50	10,360		3,647		4,222	
SAT	07/28/07	0.00	13,350		5,706		4,222	
SUN	07/29/07	0.00	9,140		4,374		4,222	
MON	07/30/07	0.00	8,440		1,961		5,145	
TUE	07/31/07	0.00	8,050	10,347	1,791	2,515	5,145	3,960
WED	08/01/07	0.00	7,640		1,561		5,145	
THU	08/02/07	0.00	8,610		2,102		5,145	
FRI	08/03/07	0.00	7,900		2,626		5,145	
SAT	08/04/07	0.00	12,450		3,370		5,145	
SUN	08/05/07	0.00	9,970		2,574		5,145	
MON	08/06/07	0.00	7,500		2,204		5,145	
TUE	08/07/07	0.00	8,880		2,315		5,145	
WED	08/08/07	0.50	8,340		22		5,145	
THU	08/09/07	1.00	6,510		2,720		5,145	
FRI	08/10/07	0.50	27,720		3,521		5,145	
SAT	08/11/07	0.00	19,660		4,314		5,145	
SUN	08/12/07	0.00	15,070		4,077		5,145	
MON	08/13/07	0.00	10,980		2,949		5,145	
TUE	08/14/07	0.00	9,250		2,074		5,145	
WED	08/15/07	0.00	7,920		2,182		4,507	
THU	08/16/07	0.00	13,650		4,921		4,507	
FRI	08/17/07	0.00	8,090		6,427		4,507	
SAT	08/18/07	0.00	9,210		6,236		4,507	
SUN	08/19/07	0.00	8,440		4,559		4,507	
MON	08/20/07	0.25	7,250		2,949		5,145	
TUE	08/21/07	0.00	9,140		2,187		4,507	
WED	08/22/07	0.00	6,880		1,058		2,982	
THU	08/23/07	0.00	6,730		1,655		2,982	
FRI	08/24/07	0.00	6,790		2,224		2,982	
SAT	08/25/07	0.20	11,350		3,698		2,982	
SUN	08/26/07	0.00	9,090		4,319		2,982	
MON	08/27/07	0.00	5,570		2,594		2,982	
TUE	08/28/07	0.00	5,440		4,452		2,982	
WED	08/29/07	0.00	5,120		2,723		2,982	
THU	08/30/07	0.20	7,620		2,052		2,982	
FRI	08/31/07	0.50	11,370	9,683	2,448	3,014	2,982	4,342
SAT	09/01/07	0.00	11,370		3,540		2,982	

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House
Day	Date	Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
SUN	09/02/07	0.00	12,910	3,113	3,052	2,069	2,069	2,069
MON	09/03/07	0.00	12,631	3,052	3,052	2,059	2,059	2,059
TUE	09/04/07	0.00	11,650	4,184	4,184	2,869	2,869	2,869
WED	09/05/07	0.00	4,940	3,418	3,418	2,869	2,869	2,869
THU	09/06/07	0.00	4,380	2,259	2,259	2,259	2,259	2,259
FRI	09/07/07	0.00	5,739	2,259	2,259	2,259	2,259	2,259
SAT	09/08/07	0.30	6,950	2,625	2,625	2,625	2,625	2,625
SUN	09/09/07	2.00	2,615	5,219	5,219	2,069	2,069	2,069
MON	09/10/07	0.00	10,040	13,064	14,098	3,022	3,022	3,022
TUE	09/11/07	2.00	70,370	14,098	14,098	3,022	3,022	3,022
WED	09/12/07	0.00	31,930	2,695	2,695	3,022	3,022	3,022
THU	09/13/07	0.00	21,330	3,597	3,597	3,022	3,022	3,022
FRI	09/14/07	0.25	10,020	3,487	3,487	3,022	3,022	3,022
SAT	09/15/07	0.00	18,460	6,555	6,555	3,022	3,022	3,022
SUN	09/16/07	0.00	13,380	3,620	3,620	3,022	3,022	3,022
MON	09/17/07	0.00	4,010	4,109	4,109	3,457	3,457	3,457
TUE	09/18/07	0.00	5,130	2,680	2,680	3,457	3,457	3,457
WED	09/19/07	0.00	8,670	5,495	5,495	3,457	3,457	3,457
THU	09/20/07	0.00	14,550	3,060	3,060	3,457	3,457	3,457
FRI	09/21/07	0.00	16,950	6,326	6,326	3,457	3,457	3,457
SAT	09/22/07	0.00	22,040	2,643	2,643	3,457	3,457	3,457
SUN	09/23/07	0.00	14,450	3,120	3,120	3,457	3,457	3,457
MON	09/24/07	0.00	1,330	3,339	3,339	3,457	3,457	3,457
TUE	09/25/07	0.00	13,320	2,585	2,585	2,916	2,916	2,916
WED	09/26/07	0.00	9,200	4,386	4,386	2,916	2,916	2,916
THU	09/27/07	0.75	13,080	2,695	2,695	2,916	2,916	2,916
FRI	09/28/07	0.25	20,600	2,908	2,908	2,916	2,916	2,916
SAT	09/29/07	0.00	17,100	3,200	3,200	2,916	2,916	2,916
SUN	09/30/07	0.00	16,084	14,925	2,360	4,161	3,059	3,059
MON	10/01/07	0.00	10,432	-	-	3,203	3,203	3,203
TUE	10/02/07	0.00	10,450	-	-	3,203	3,203	3,203
WED	10/03/07	0.00	11,740	-	-	3,203	3,203	3,203
THU	10/04/07	0.00	9,920	1,040	1,040	3,203	3,203	3,203
FRI	10/05/07	0.00	9,750	939	939	3,203	3,203	3,203
SAT	10/06/07	0.00	19,050	1,347	1,347	3,203	3,203	3,203
SUN	10/07/07	0.00	17,340	4,456	4,456	3,203	3,203	3,203
MON	10/08/07	1.00	21,270	6,965	6,965	3,203	3,203	3,203
TUE	10/09/07	0.50	17,570	3,035	3,035	3,203	3,203	3,203
WED	10/10/07	0.00	37,410	3,168	3,168	3,203	3,203	3,203
THU	10/11/07	1.00	20,700	1,595	1,595	3,203	3,203	3,203
FRI	10/12/07	0.00	23,710	1,513	1,513	3,203	3,203	3,203
SAT	10/13/07	0.00	64,050	8,634	8,634	3,203	3,203	3,203
SUN	10/14/07	0.00	32,850	2,647	2,647	3,203	3,203	3,203
MON	10/15/07	0.00	23,320	6,965	6,965	3,203	3,203	3,203
TUE	10/16/07	0.00	17,570	2,017	2,017	3,203	3,203	3,203
WED	10/17/07	0.00	15,580	1,931	1,931	3,203	3,203	3,203
THU	10/18/07	1.00	24,260	1,337	1,337	3,203	3,203	3,203
FRI	10/19/07	0.00	13,400	1,573	1,573	3,203	3,203	3,203
SAT	10/20/07	1.00	22,720	3,679	3,679	3,203	3,203	3,203
SUN	10/21/07	0.00	45,530	3,546	3,546	3,203	3,203	3,203
MON	10/22/07	0.00	24,670	2,233	2,233	3,203	3,203	3,203
TUE	10/23/07	0.00	23,250	1,931	1,931	3,203	3,203	3,203
WED	10/24/07	0.25	34,860	1,931	1,931	3,203	3,203	3,203
THU	10/25/07	0.00	23,020	1,847	1,847	3,203	3,203	3,203
FRI	10/26/07	0.25	20,760	1,939	1,939	3,203	3,203	3,203
SAT	10/27/07	0.75	55,500	2,793	2,793	3,203	3,203	3,203

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Flow Major Roads
Day	Date	Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)	(GPD)
SUN	10/28/07	0.00	39,510	23,600	1,605	-	-	173	-
MON	10/29/07	0.00	16,900	-	1,677	-	173	-	-
TUE	10/30/07	0.00	16,900	24,742	1,696	2,539	173	1,650	3,108
WED	10/31/07	0.00	15,940	-	1,702	Closed for season	-	-	Closed for season
THU	11/01/07	0.00	15,450	-	1,974	Closed for season	-	-	-
FRI	11/02/07	0.00	20,000	-	2,649	Closed for season	-	-	-
SAT	11/03/07	0.00	15,650	-	2,574	Closed for season	-	-	-
SUN	11/04/07	0.00	27,970	-	2,652	Closed for season	-	-	-
MON	11/05/07	0.00	35,080	-	2,652	Closed for season	-	-	-
TUE	11/06/07	0.00	19,230	-	2,098	Closed for season	-	-	-
WED	11/07/07	0.00	18,460	-	1,983	Closed for season	-	-	-
THU	11/08/07	0.00	16,450	-	2,019	Closed for season	-	-	-
FRI	11/09/07	0.00	4,840	-	2,246	Closed for season	-	-	-
SAT	11/10/07	1.60	5,310	-	5,154	Closed for season	-	-	-
SUN	11/11/07	0.00	32,170	-	2,478	Closed for season	-	-	-
MON	11/12/07	0.00	40,550	-	2,946	Closed for season	-	-	-
TUE	11/13/07	0.00	31,900	-	3,135	Closed for season	-	-	-
WED	11/14/07	0.00	8,330	-	2,502	Closed for season	-	-	-
THU	11/15/07	1.50	15,500	-	2,258	Closed for season	-	-	-
FRI	11/16/07	0.00	32,170	-	2,478	Closed for season	-	-	-
SAT	11/17/07	0.00	40,550	-	2,946	Closed for season	-	-	-
SUN	11/18/07	0.00	31,900	-	3,135	Closed for season	-	-	-
MON	11/19/07	0.00	8,330	-	2,502	Closed for season	-	-	-
TUE	11/20/07	0.25	No power	-	2,475	Closed for season	-	-	-
WED	11/21/07	0.50	No power	-	2,469	Closed for season	-	-	-
THU	11/22/07	0.00	35,470	-	3,583	Closed for season	-	-	-
FRI	11/23/07	0.00	53,730	-	4,653	Closed for season	-	-	-
SAT	11/24/07	0.00	62,770	-	6,361	Closed for season	-	-	-
SUN	11/25/07	0.00	44,330	-	4,361	Closed for season	-	-	-
MON	11/26/07	0.00	33,320	-	1,331	Closed for season	-	-	-
TUE	11/27/07	0.75	50,010	-	1,344	Closed for season	-	-	-
WED	11/28/07	0.00	35,104	-	1,294	Closed for season	-	-	-
THU	11/29/07	0.00	3,220	-	1,226	Closed for season	-	-	-
FRI	11/30/07	0.00	35,260	27,714	1,549	-	-	-	-
SAT	12/01/07	0.00	51,520	-	2,590	Closed for season	-	-	-
SUN	12/02/07	0.50	31,680	-	3,544	Closed for season	-	-	-
MON	12/03/07	0.00	34,810	-	3,179	Closed for season	-	-	-
TUE	12/04/07	0.00	30,820	-	2,752	Closed for season	-	-	-
WED	12/05/07	0.00	20,310	-	2,681	Closed for season	-	-	-
THU	12/06/07	0.00	25,560	-	2,700	Closed for season	-	-	-
FRI	12/07/07	0.00	44,070	-	3,709	Closed for season	-	-	-
SAT	12/08/07	0.00	27,300	-	7,393	Closed for season	-	-	-
SUN	12/09/07	0.50	49,380	-	5,527	Closed for season	-	-	-
MON	12/10/07	0.00	42,970	-	3,653	Closed for season	-	-	-
TUE	12/11/07	0.10	25,270	-	3,979	Closed for season	-	-	-
WED	12/12/07	0.00	30,210	-	3,851	Closed for season	-	-	-
THU	12/13/07	0.00	65,350	-	3,659	Closed for season	-	-	-
FRI	12/14/07	0.50	44,070	-	4,651	Closed for season	-	-	-
SAT	12/15/07	0.80	76,180	-	11,711	Closed for season	-	-	-
SUN	12/16/07	0.00	reading off	-	10,327	Closed for season	-	-	-
MON	12/17/07	0.00	reading off	-	7,521	Closed for season	-	-	-
TUE	12/18/07	0.00	reading off	-	8,049	Closed for season	-	-	-
WED	12/19/07	0.10	reading off	-	4,023	Closed for season	-	-	-
THU	12/20/07	0.00	reading off	-	4,921	Closed for season	-	-	-
FRI	12/21/07	0.00	reading off	-	6,503	Closed for season	-	-	-
SAT	12/22/07	0.00	reading off	-	14,559	Closed for season	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

Day	Date	Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House	Thompson House
		Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)	Flow Meter Readings
SUN	12/23/07	0.75	131,470		16,151		Closed for season		
MON	12/24/07	0.00	127,200		12,766		Closed for season		
TUE	12/25/07	0.00	158,570		10,005		Closed for season		
WED	12/26/07	0.00	129,800		12,566		Closed for season		
THU	12/27/07	0.25	113,910		10,927		Closed for season		
FRI	12/28/07	0.00	reading off		21,003		Closed for season		
SAT	12/29/07	0.00	reading off		23,207		Closed for season		
SUN	12/30/07	0.70	reading off		22,517		Closed for season		
MON	12/31/07	0.00	reading off		19,798		0.00		
TUE	01/01/08	0.60	reading off		14,617		Closed for season		
WED	01/02/08	0.00	117,650		9,401		Closed for season		
THU	01/03/08	0.00	81,550		6,168		Closed for season		
FRI	01/04/08	0.00	114,760		9,237		Closed for season		
SAT	01/05/08	0.00	reading off		11,747		Closed for season		
SUN	01/06/08	0.00	reading off		9,239		Closed for season		
MON	01/07/08	0.25	104,850		6,181		Closed for season		
TUE	01/08/08	0.00	105,720		6,169		Closed for season		
WED	01/09/08	0.15	98,160		7,181		Closed for season		
THU	01/10/08	0.20	54,070		7,300		Closed for season		
FRI	01/11/08	0.00	69,860		7,153		Closed for season		
SAT	01/12/08	0.00	114,000		10,501		Closed for season		
SUN	01/13/08	0.00	75,560		10,184		Closed for season		
MON	01/14/08	1.00	45,740		5,675		Closed for season		
TUE	01/15/08	0.00	59,220		5,768		Closed for season		
WED	01/16/08	0.00	59,450		6,050		Closed for season		
THU	01/17/08	0.10	62,350		6,350		Closed for season		
FRI	01/18/08	0.00	reading off		9,749		Closed for season		
SAT	01/19/08	0.00	reading off		reading off		Closed for season		
SUN	01/20/08	0.00	reading off		reading off		Closed for season		
MON	01/21/08	0.00	reading off		reading off		Closed for season		
TUE	01/22/08	0.00	reading off		reading off		Closed for season		
WED	01/23/08	0.00	reading off		reading off		Closed for season		
THU	01/24/08	0.00	reading off		reading off		Closed for season		
FRI	01/25/08	0.00	reading off		reading off		Closed for season		
SAT	01/26/08	0.00	reading off		reading off		Closed for season		
SUN	01/27/08	0.00	reading off		reading off		Closed for season		
MON	01/28/08	0.00	reading off		reading off		Closed for season		
TUE	01/29/08	0.00	reading off		reading off		Closed for season		
WED	01/30/08	0.00	reading off		reading off		Closed for season		
THU	01/31/08	0.00	16,210		81,039		21,309		Closed for season
FRI	02/01/08	0.00	32,260		9,031		5,450		8,640
SAT	02/02/08	0.00	108,951						Closed for season
SUN	02/03/08	0.00	71,910						Closed for season
MON	02/04/08	0.00	24,480						Closed for season
TUE	02/05/08	0.50	reading off		9,120				Closed for season
WED	02/06/08	1.25	03,150		7,150				Closed for season
THU	02/07/08	0.00	91,050		7,632				Closed for season
FRI	02/08/08	0.00	37,630		7,912				Closed for season
SAT	02/09/08	0.00	77,320		7,715				Closed for season
SUN	02/10/08	0.00	59,342		13,511				Closed for season
MON	02/11/08	0.20	32,621		12,444				Closed for season
TUE	02/12/08	0.00	22,540		8,053				Closed for season
WED	02/13/08	1.00	51,700		7,743				Closed for season
THU	02/14/08	0.00	36,050		9,770				Closed for season
FRI	02/15/08	0.00	52,200		8,525				Closed for season
SAT	02/16/08	0.00	85,020		10,411				Closed for season
									17,032

Town of Windham

Wastewater Treatment Plant (WWTP) Flow

Day	Date	Precipitation	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Thompson House	Thompson House	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Thompson House	Flow Meter Readings (GPM)
SUN	02/17/08	0.00	79,320	22,098	-	-	-	-	Closed for season	-	-	-	-	-
MON	02/18/08	0.00	62,350	18,553	-	-	-	-	Closed for season	-	-	-	-	-
TUE	02/19/08	0.00	44,110	12,140	-	-	-	-	Closed for season	-	-	-	-	-
WED	02/20/08	0.00	35,080	12,489	-	-	-	-	Closed for season	-	-	-	-	-
THU	02/21/08	0.00	27,710	13,355	-	-	-	-	Closed for season	-	-	-	-	-
FRI	02/22/08	0.00	20,320	10,400	-	-	-	-	Closed for season	-	-	-	-	-
SAT	02/23/08	0.00	50,290	16,714	-	-	-	-	Closed for season	-	-	-	-	-
SUN	02/24/08	0.00	31,900	16,700	-	-	-	-	Closed for season	-	-	-	-	-
MON	02/25/08	0.00	5,990	12,263	-	-	-	-	Closed for season	-	-	-	-	-
TUE	02/26/08	0.40	4,490	12,230	-	-	-	-	Closed for season	-	-	-	-	-
WED	02/27/08	0.00	5,470	12,207	-	-	-	-	Closed for season	-	-	-	-	-
THU	02/28/08	0.00	11,620	11,014	-	-	-	-	Closed for season	-	-	-	-	-
FRI	02/29/08	0.00	22,250	11,600	12,498	-	-	-	Closed for season	-	-	-	-	-
SAT	03/01/08	0.50	45,620	13,315	-	-	-	-	Closed for season	-	-	-	-	-
SUN	03/02/08	0.00	55,840	17,129	-	-	-	-	Closed for season	-	-	-	-	-
MON	03/03/08	0.00	44,410	11,862	-	-	-	-	Closed for season	-	-	-	-	-
TUE	03/04/08	0.00	9,300	9,510	-	-	-	-	Closed for season	-	-	-	-	-
WED	03/05/08	2.00	20,890	9,145	-	-	-	-	Closed for season	-	-	-	-	-
THU	03/06/08	0.00	47,270	12,033	-	-	-	-	Closed for season	-	-	-	-	-
FRI	03/07/08	0.00	60,760	14,914	-	-	-	-	Closed for season	-	-	-	-	-
SAT	03/08/08	0.50	177,150	12,657	-	-	-	-	Closed for season	-	-	-	-	-
SUN	03/09/08	0.75	109,600	9,397	-	-	-	-	Closed for season	-	-	-	-	-
MON	03/10/08	0.00	43,010	8,370	-	-	-	-	Closed for season	-	-	-	-	-
TUE	03/11/08	0.00	41,180	7,910	-	-	-	-	Closed for season	-	-	-	-	-
WED	03/12/08	0.00	43,160	7,910	-	-	-	-	Closed for season	-	-	-	-	-
THU	03/13/08	0.00	10,710	10,404	-	-	-	-	Closed for season	-	-	-	-	-
FRI	03/14/08	0.00	-	9,035	-	-	-	-	Closed for season	-	-	-	-	-
SAT	03/15/08	0.75	91,240	11,102	-	-	-	-	Closed for season	-	-	-	-	-
SUN	03/16/08	0.25	101,760	11,473	-	-	-	-	Closed for season	-	-	-	-	-
MON	03/17/08	0.00	22,210	7,410	-	-	-	-	Closed for season	-	-	-	-	-
TUE	03/18/08	0.00	2,320	7,260	-	-	-	-	Closed for season	-	-	-	-	-
WED	03/19/08	0.00	12,630	7,053	-	-	-	-	Closed for season	-	-	-	-	-
THU	03/20/08	0.35	45,030	13,087	-	-	-	-	Closed for season	-	-	-	-	-
FRI	03/21/08	0.50	65,050	10,958	-	-	-	-	Closed for season	-	-	-	-	-
SAT	03/22/08	0.00	91,430	12,676	-	-	-	-	Closed for season	-	-	-	-	-
SUN	03/23/08	0.00	82,140	12,082	-	-	-	-	Closed for season	-	-	-	-	-
MON	03/24/08	0.00	reading off	11,632	-	-	-	-	Closed for season	-	-	-	-	-
TUE	03/25/08	0.00	reading off	12,738	-	-	-	-	Closed for season	-	-	-	-	-
WED	03/26/08	0.00	reading off	10,718	-	-	-	-	Closed for season	-	-	-	-	-
THU	03/27/08	0.00	reading off	9,440	-	-	-	-	Closed for season	-	-	-	-	-
FRI	03/28/08	1.00	reading off	9,350	-	-	-	-	Closed for season	-	-	-	-	-
SAT	03/29/08	0.00	reading off	9,579	-	-	-	-	Closed for season	-	-	-	-	-
SUN	03/30/08	0.00	reading off	5,449	-	-	-	-	Closed for season	-	-	-	-	-
MON	03/31/08	0.00	reading off	4,811	10,773	-	-	-	Closed for season	-	-	-	-	-
TUE	04/01/08	0.25	reading off	4,850	-	-	-	-	Closed for season	-	-	-	-	-
WED	04/02/08	0.00	reading off	4,303	-	-	-	-	Closed for season	-	-	-	-	-
THU	04/03/08	0.25	reading off	2,039	-	-	-	-	Closed for season	-	-	-	-	-
FRI	04/04/08	0.00	reading off	9,022	-	-	-	-	Closed for season	-	-	-	-	-
SAT	04/05/08	0.00	reading off	1,135	-	-	-	-	Closed for season	-	-	-	-	-
SUN	04/06/08	0.00	reading off	950	-	-	-	-	Closed for season	-	-	-	-	-
MON	04/07/08	0.00	reading off	987	-	-	-	-	Closed for season	-	-	-	-	-
TUE	04/08/08	0.00	reading off	799	-	-	-	-	Closed for season	-	-	-	-	-
WED	04/09/08	0.00	21,950	875	-	-	-	-	Closed for season	-	-	-	-	-
THU	04/10/08	0.00	41,330	892	-	-	-	-	Closed for season	-	-	-	-	-
FRI	04/11/08	0.00	51,100	911	-	-	-	-	Closed for season	-	-	-	-	-
SAT	04/12/08	0.00	-	870	-	-	-	-	Closed for season	-	-	-	-	-

Town of Windham

Wastewater Treatment Plant (WWTP) Flows

		Principality	Ski Windham	Ski Windham	Win. Min Village	Win. Min Village	Thompson House	Thompson House
Day	Date	Daily Inflow	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Daily Flow (GPD)	Avg Monthly Flow (GPD)	Avg Daily Flow (GPD)	Avg Monthly Flow (GPD)
SUN	04/13/08	0.00	37,050	-	-	1,313	-	Closed for season
MON	04/14/08	0.00	-	-	-	0.97	-	Closed for season
TUE	04/15/08	0.10	52,000	-	-	0.94	-	Closed for season
WED	04/16/08	0.00	30,710	-	-	535	-	Closed for season
THU	04/17/08	0.00	32,400	-	-	739	-	Closed for season
FRI	04/18/08	0.00	39,750	-	-	1,173	-	Closed for season
SAT	04/19/08	0.00	48,050	-	-	933	-	Closed for season
SUN	04/20/08	0.00	50,350	-	-	1,310	-	Closed for season
MON	04/21/08	0.00	39,650	-	-	1,313	-	Closed for season
TUE	04/22/08	0.00	21,770	-	-	1,216	-	Closed for season
WED	04/23/08	0.00	22,120	-	-	1,037	-	Closed for season
THU	04/24/08	0.00	-	-	-	1,109	-	Closed for season
FRI	04/25/08	0.00	-	-	-	1,202	-	Closed for season
SAT	04/26/08	0.00	10,620	-	-	1,212	-	Closed for season
SUN	04/27/08	0.00	13,430	-	-	1,212	-	Closed for season
MON	04/28/08	0.00	17,110	-	-	1,510	-	Closed for season
TUE	04/29/08	0.00	30,360	-	-	1,473	-	Closed for season
WED	04/30/08	0.75	32,650	-	-	1,065	-	Closed for season
THU	05/01/08	0.00	21,660	-	32,753	1,001	1,309	Closed for season
FRI	05/02/08	0.10	2,850	-	-	1,745	-	Closed for season
SAT	05/03/08	0.10	32,240	-	-	1,756	-	Closed for season
SUN	05/04/08	0.25	24,310	-	-	1,276	-	Closed for season
MON	05/05/08	0.00	48,970	-	-	1,450	-	Closed for season
TUE	05/06/08	0.00	00,350	-	-	1,320	-	Closed for season
WED	05/07/08	0.00	59,980	-	-	1,910	-	Closed for season
THU	05/08/08	0.00	32,670	-	-	1,362	-	Closed for season
FRI	05/09/08	0.00	30,650	-	-	1,690	-	Closed for season
SAT	05/10/08	0.25	37,910	-	-	1,739	-	Closed for season
SUN	05/11/08	0.00	07,270	-	-	1,973	-	Closed for season
MON	05/12/08	0.00	85,080	-	-	1,780	-	Closed for season
TUE	05/13/08	0.00	reading off	-	-	1,110	-	Closed for season
WED	05/14/08	0.10	reading off	-	-	1,325	-	Closed for season
THU	05/15/08	0.00	reading off	-	-	1,031	-	Closed for season
FRI	05/16/08	0.00	9,040	-	-	1,241	-	Closed for season
SAT	05/17/08	0.60	70,400	-	-	1,057	-	Closed for season
SUN	05/18/08	0.25	80,350	-	-	1,053	-	Closed for season
MON	05/19/08	0.10	4,900	-	-	1,051	-	Closed for season
TUE	05/20/08	0.00	1,160	-	-	0.95	-	Closed for season
WED	05/21/08	0.10	power issue	-	-	0.47	-	Closed for season
THU	05/22/08	0.10	power issue	-	-	0.36	-	Closed for season
FRI	05/23/08	0.00	power issue	-	-	0.17	-	Closed for season
SAT	05/24/08	0.00	power issue	-	-	1,606	-	Closed for season
SUN	05/25/08	0.00	power issue	-	-	2,005	-	Closed for season
MON	05/26/08	0.00	power issue	-	-	3,005	-	Closed for season
TUE	05/27/08	0.00	power issue	-	-	3,196	-	Closed for season
WED	05/28/08	0.00	5,740	-	-	639	-	Closed for season
THU	05/29/08	0.00	9,310	-	-	955	-	Closed for season
FRI	05/30/08	0.00	7,710	-	-	1,103	-	Closed for season
SAT	05/31/08	0.50	6,070	-	-	1,150	-	Closed for season
SUN	06/01/08	0.50	7,260	-	33,639	1,510	1,510	Closed for season
MON	06/02/08	0.00	-	-	-	-	-	Closed for season
Average =		0.17	33,116	35,758	4,003	4,005	2,057	2,059
							16,006	

Appendix F:

Town of Windham Sewer Collection System Partial Record Plans

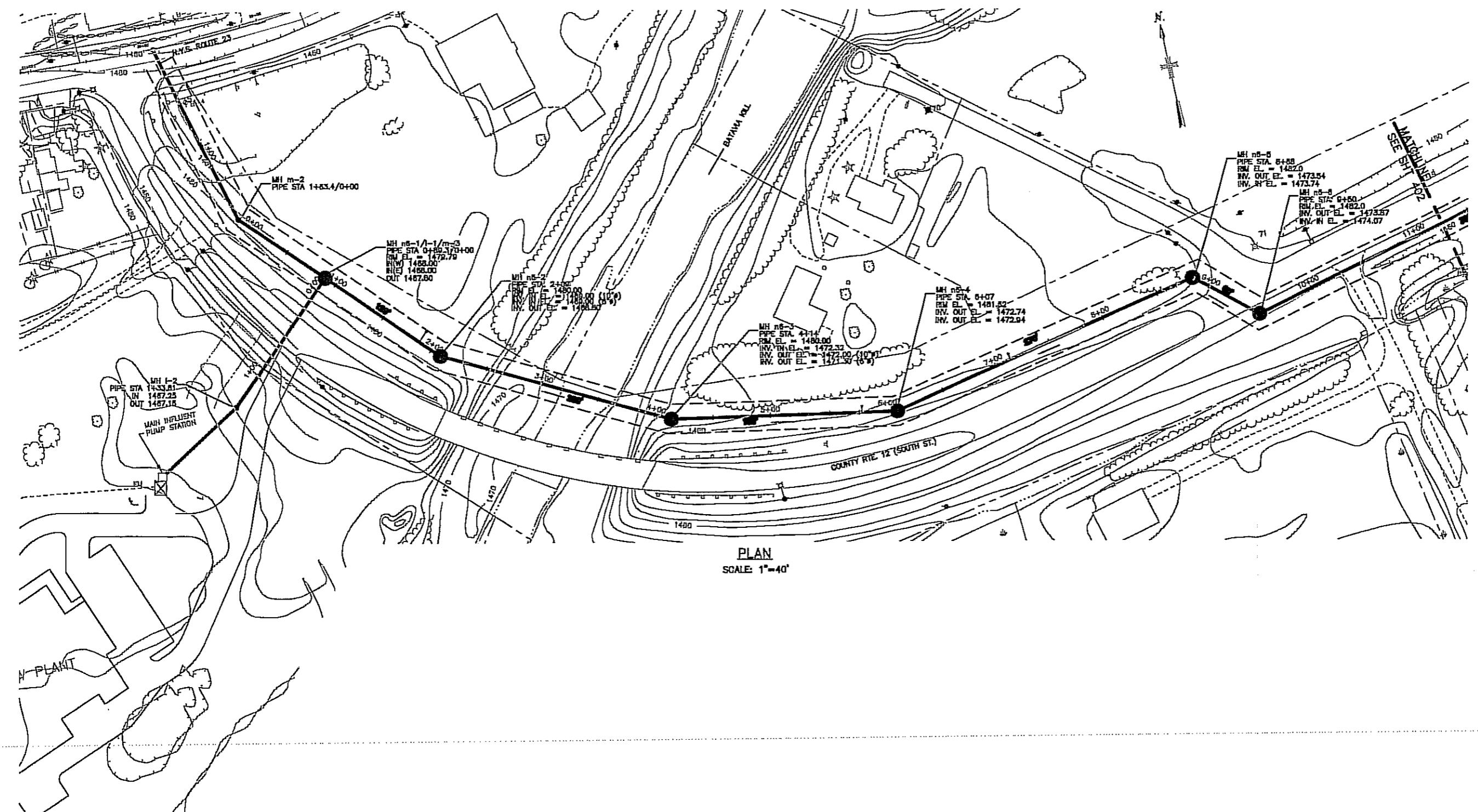
TOWN OF WINDHAM
SEWER COLLECTION SYSTEM
PARTIAL RECORD PLANS



INDEX OF DRAWINGS	
SOUTH STREET AREA	
SHEET NUMBER	TITLE
401	COUNTY ROUTE 12 (SOUTH STREET)
402	COUNTY ROUTE 12 (SOUTH STREET)
403	COUNTY ROUTE 12 (SOUTH STREET)
404	COUNTY ROUTE 12 (SOUTH STREET)

COUNTY RT 12 (SOUTH STREET) INDEX	RECORD PLANS SEWER SYSTEM TOWN OF WINDHAM GREENE COUNTY, NY	REVISIONS NO. DATE DESCRIPTION	DELAWARE ENGINEERING, P.C. CIVIL AND ENVIRONMENTAL ENGINEERING
	DATE: 2/16/05 DRAWN BY: TJ AS SHOWN SCALE: REVIEWED BY: FUG PROJECT NO.: 02-246 FILE: 2410501		

SHEET:
400



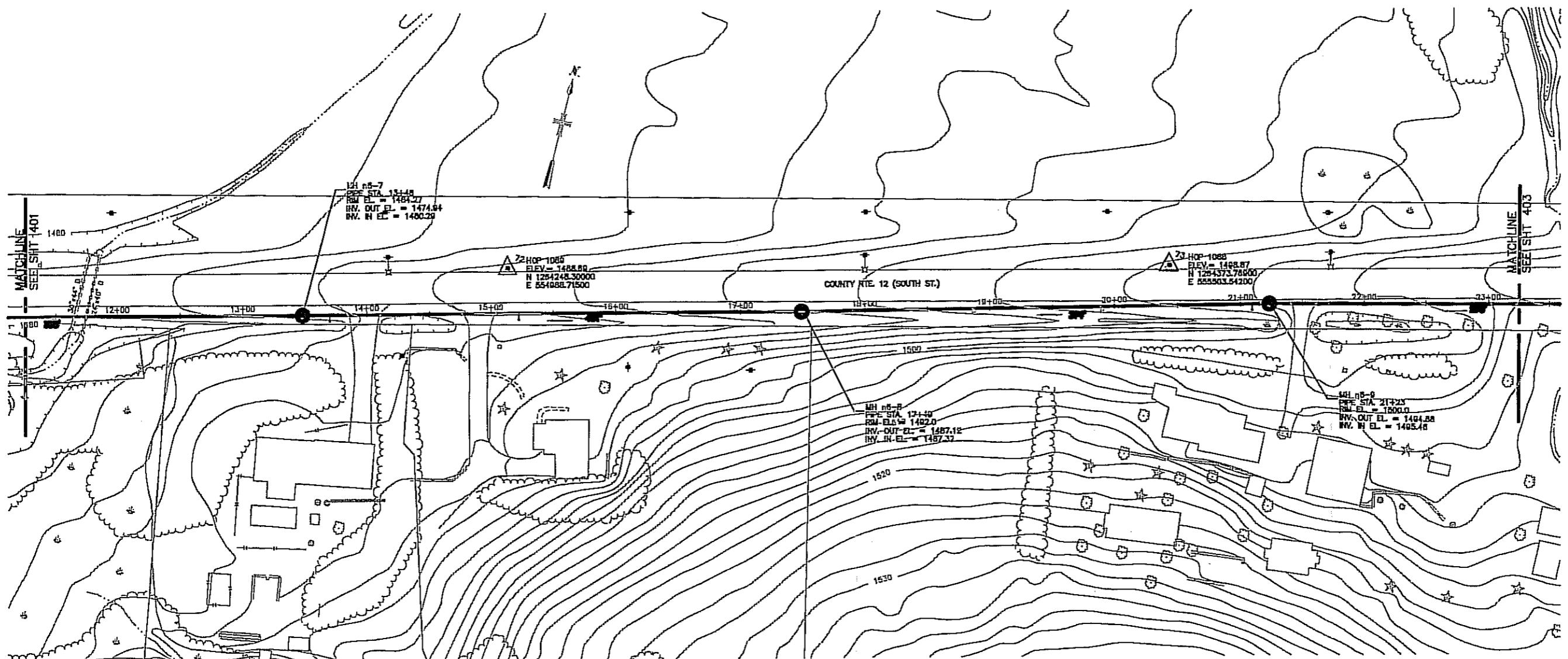
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REVIEWED BY: FMC
PROJECT NO.: 00-246
FILE: 3418S01

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B-12 DIETZ STREET, SUITE 200, GLENITA, NY 12078 - 867.452.0073
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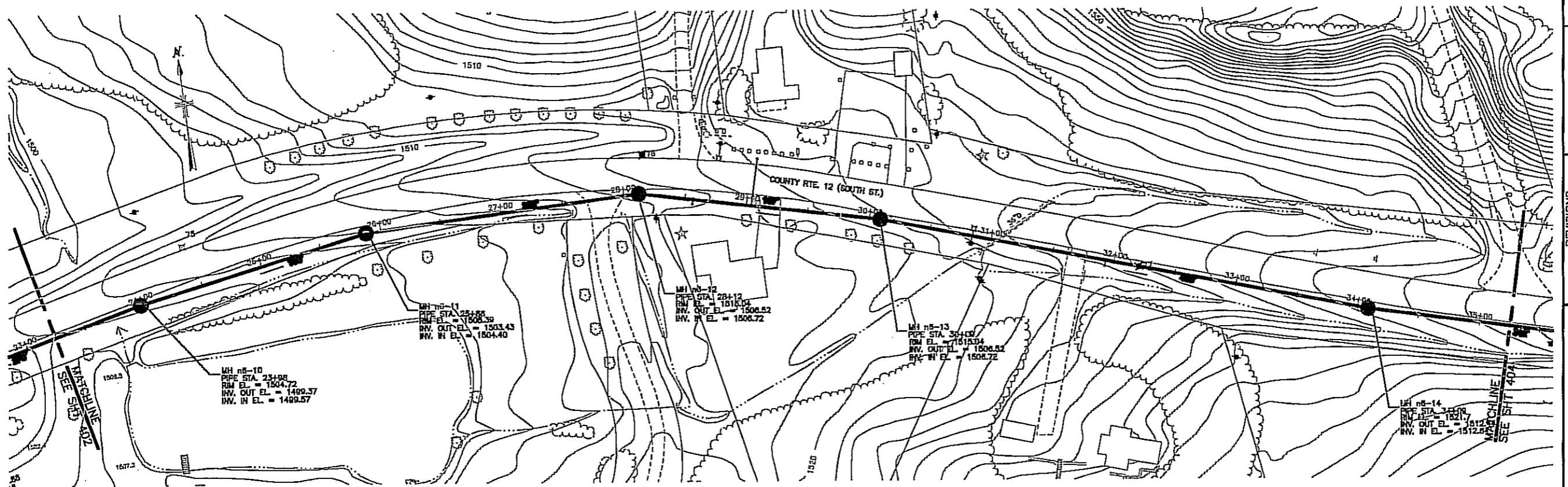
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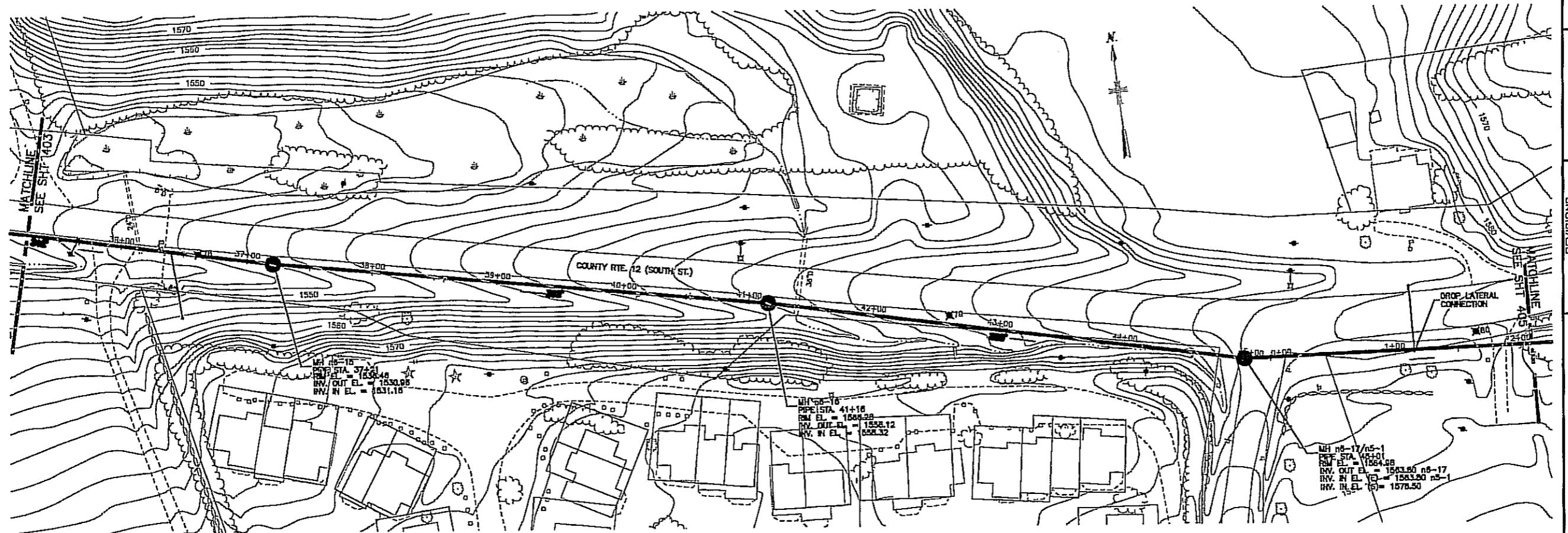
COUNTY RT 12
(SOUTH STREET)
PLAN

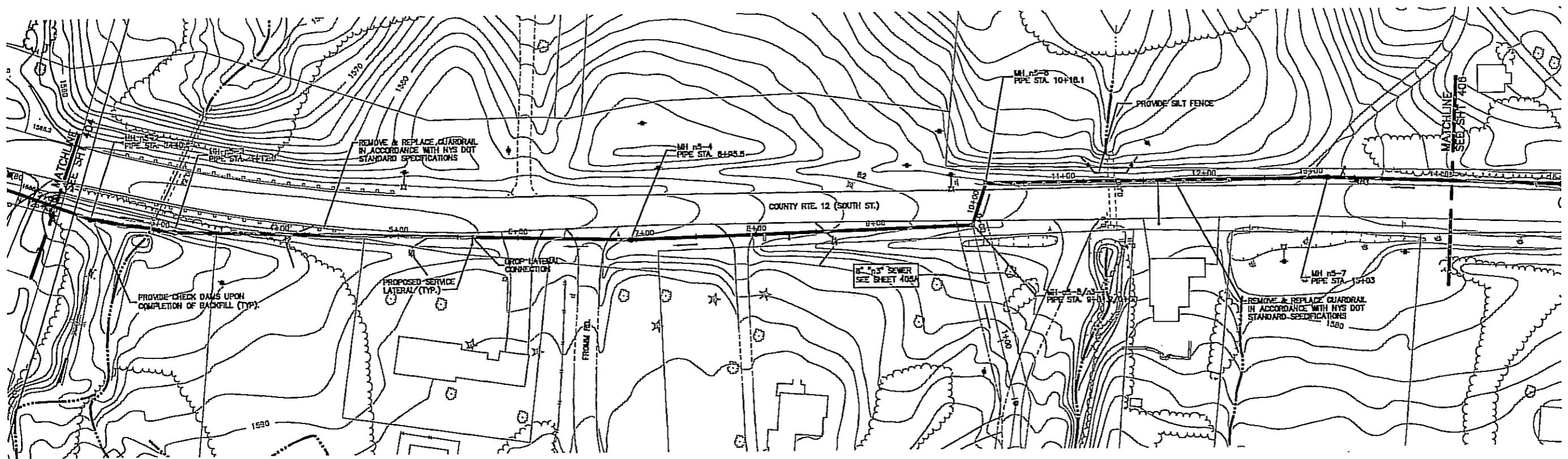
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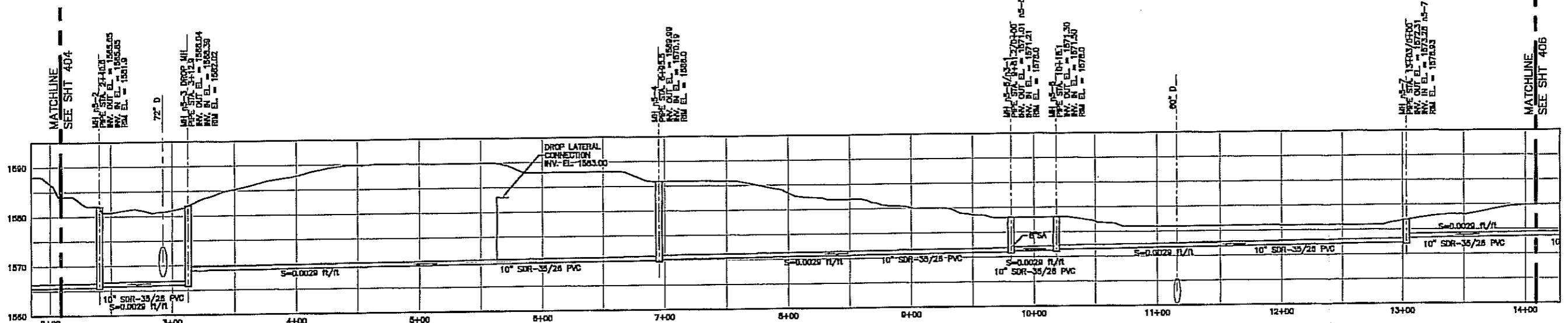
RECORD PLANS SEWER SYSTEM TOWN OF WINDHAM GREENE COUNTY, NY	COUNTY RT 12 (SOUTH STREET) PLAN	SHEET: 402
<p>DELAWARE ENGINEERING, P.C. CIVIL AND ENVIRONMENTAL ENGINEERING 20 MADISON AVENUE, ALBANY, NY 12203 • 518.451.2200 1412 DIETZ STREET, SUITE 200, QUEENSBURY, NY 12078 • 518.432.0073 5 TOWNSEND STREET, WALTON, NY 12093 • 518.742.5254</p> <p>FILE: 3418502</p>	<p>DATE: 2/16/05 DRAWN BY: TJ AS SHOWN SCALE: EBG REVIEWED BY: EBG PROJECT NO.: 02-248 FILE: 3418502</p>	







PLAN
SCALE: 1"-40'



PROFILE
VERTICAL SCALE: 1"-10'
HORIZONTAL SCALE: 1"-40'

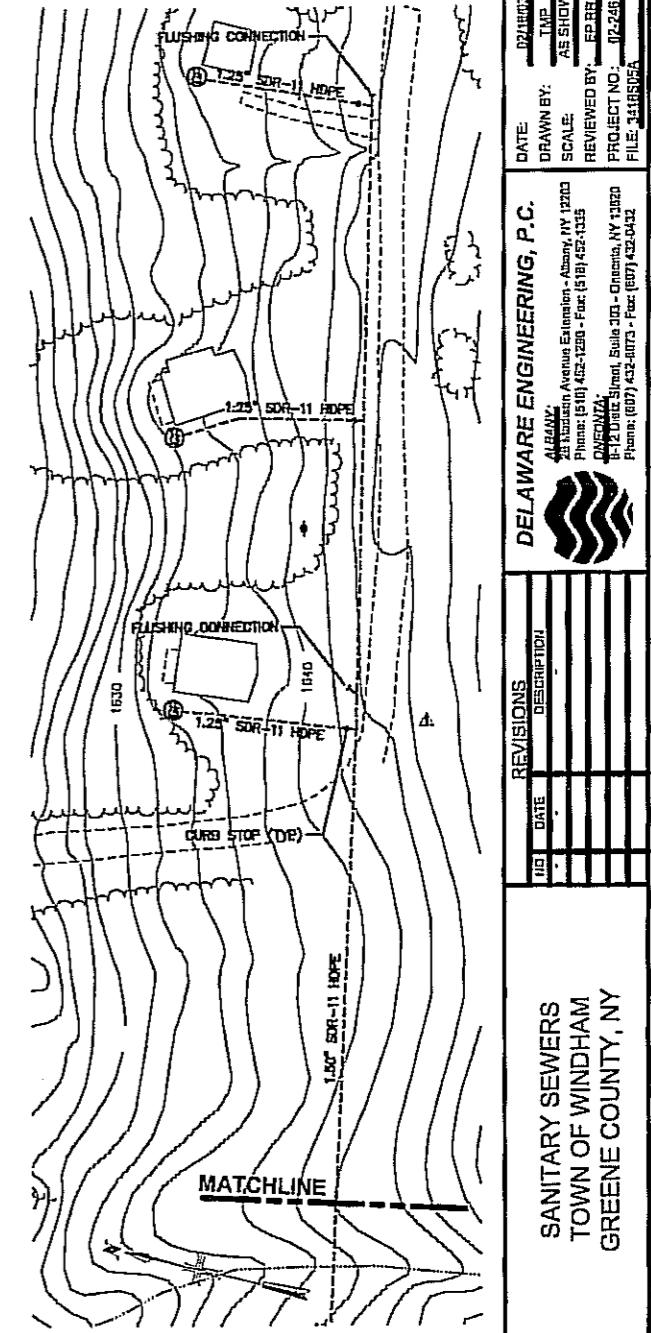
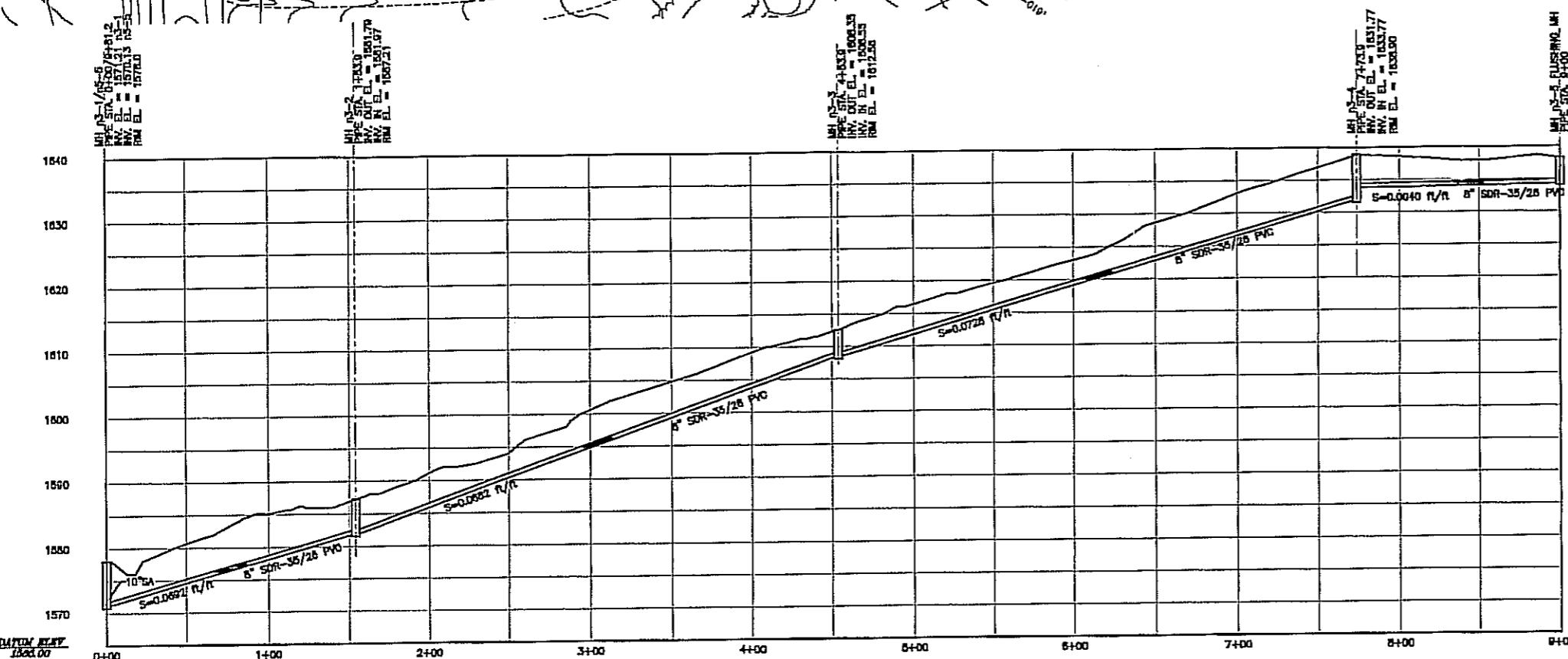
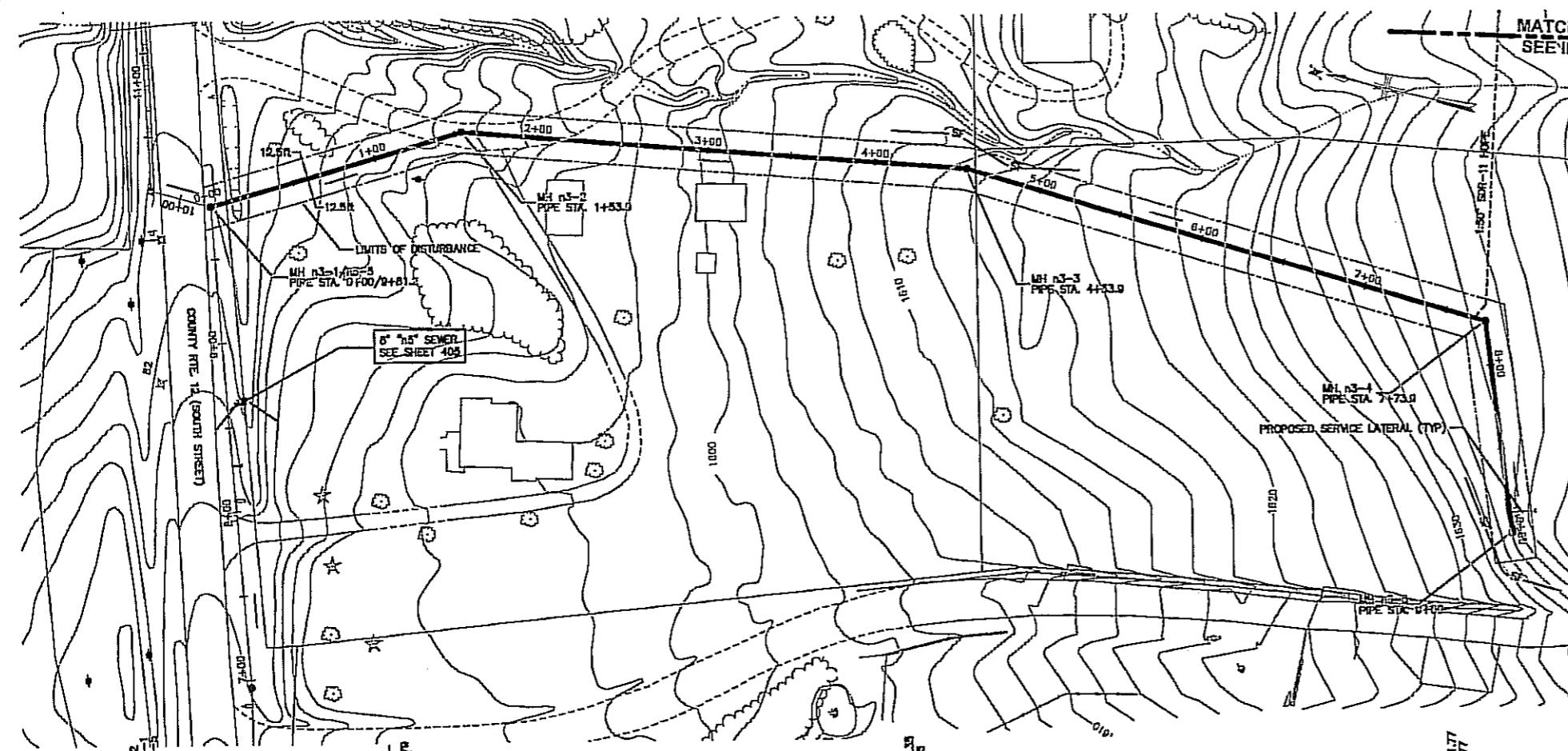
COUNTY RT 12 (SOUTH STREET) & AQUARIUS EQUITY PLAN AND PROFILE		SHEET:
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02/08/03	DATE:
TMP	DRAWN BY:
AS SHOWN	SCALE:
EPC	REVIEWED BY:
02/08	PROJECT NO.:
FILE: 3418S05	



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SANITARY SEWERS
TOWN OF WINDHAM
GREENE COUNTY, NY

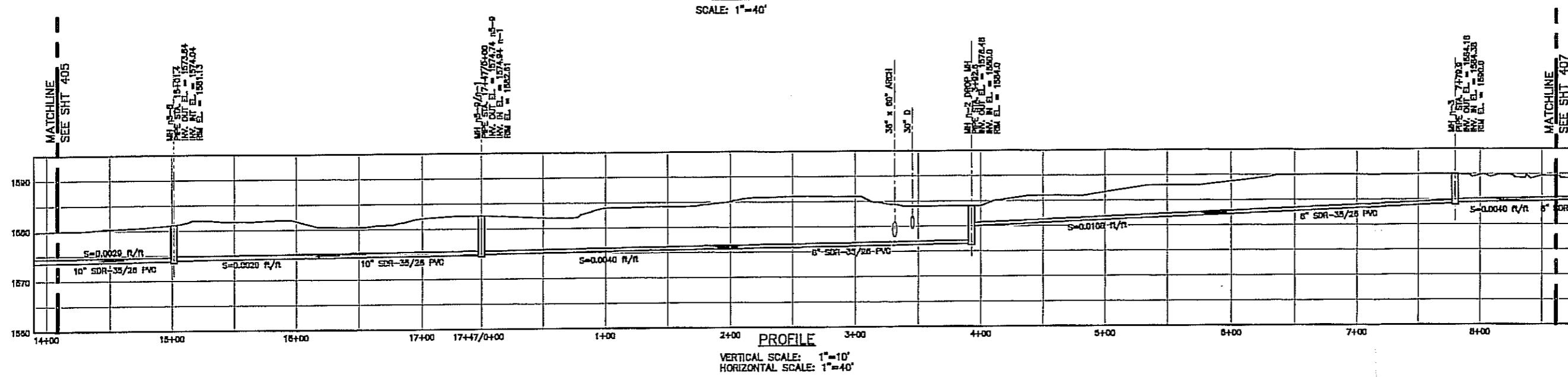
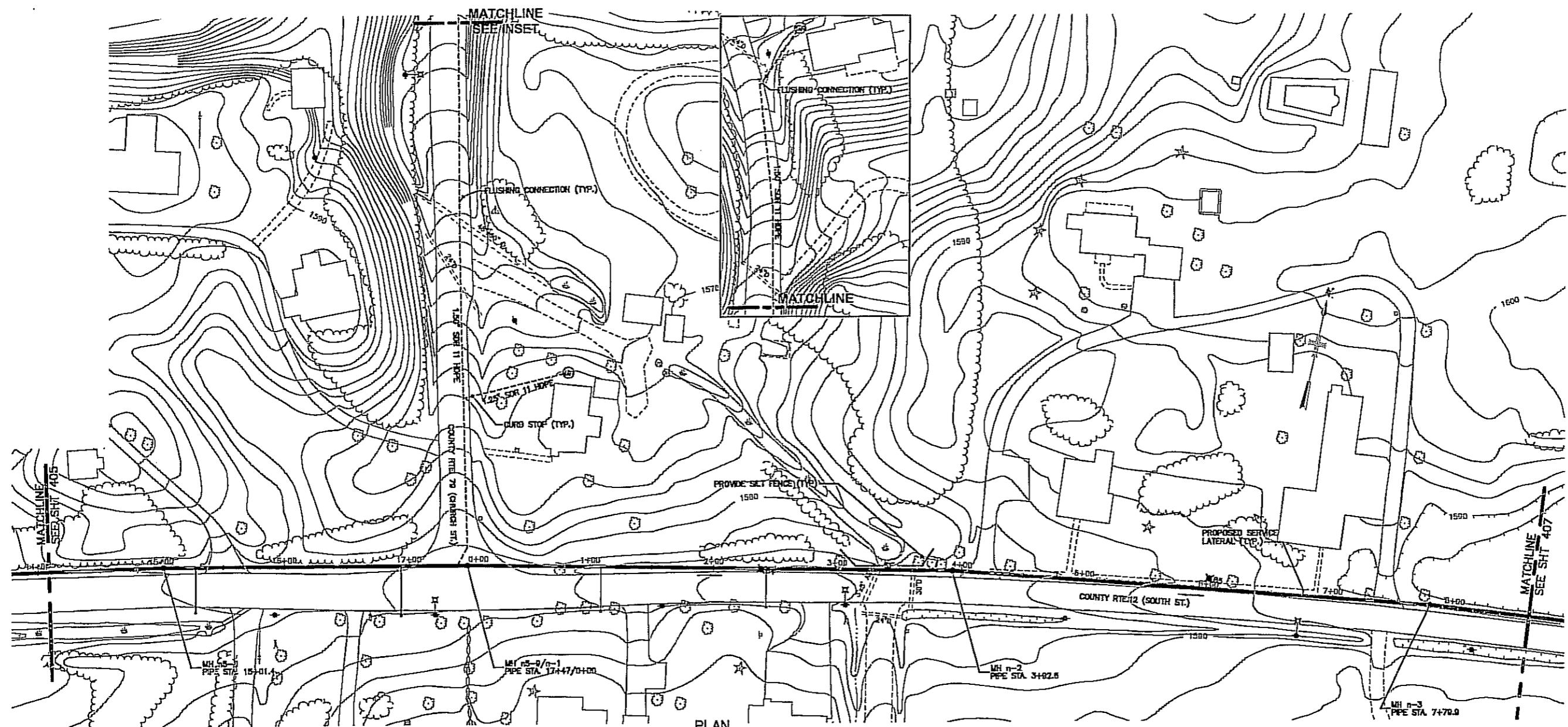
SNOW TIME R-O-W
PLAN AND PROFILE

SHEET:
405A

DRAWN BY:	TWP
AS SHOWN	
SCALE:	1"=40'
REVIEWED BY:	FBR
PROJECT NO.:	102-245
FILE:	13418505A

ALBANY
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COUNTY RT 12 (SOUTH STREET) & COUNTY RT 79 (CHURCH STREET) PLAN AND PROFILE		SHEET: 406	
DATE: 07/08/03	DRAWN BY: TWP AS SHOWN	SCALE: 1:1200	REVIEWED BY: EP GR
PROJECT NO.: 102-245	FILE: 3418S06	DESIGNER: Delaware Engineering, P.C. Attn: Alan 28 Main Street, Albany, NY 12203 Phone: (518) 462-1210 - Fax: (518) 462-3325	CONTRACTOR: L.S. D'Amato, Inc., Suite 300, Glenmont, NY 10502 Phone: (607) 432-8073 - Fax: (607) 432-9432
REVISED NO.	DATE	DESCRIPTION	

Appendix G:

Excerpts from “Ten State Standards”

Recommended Standards for Wastewater Facilities

2004 Edition



ILLINOIS
INDIANA
IOWA
MICHIGAN
MINNESOTA
MISSOURI
NEW YORK
OHIO
ONTARIO
PENNSYLVANIA
WISCONSIN

**Great Lakes-Upper Mississippi River Board of
State and Provincial Public Health and Environmental Managers**

- c. Critical data and methodology used shall be included. It is recommended that graphical displays of critical peak wet weather flow data (refer to Paragraphs 11.241(b) (c) and (d)) be included for a sustained wet weather flow period of significance to the project.

11.243 Hydraulic Capacity for Wastewater Facilities to serve New Collection Systems

- a. The sizing of wastewater facilities receiving flows from new wastewater collection systems shall be based on an average daily flow of 100 gallons (380 L) per capita plus wastewater flow from industrial plants and major institutional and commercial facilities unless water use data or other justification upon which to better estimate flow is provided.
- b. The 100 gal/cap/d [380 L/(capita·d)] figure shall be used which, in conjunction with a peaking factor from Figure 1, is intended to cover normal infiltration for systems built with modern construction techniques. Refer to Section 31. However, an additional allowance should be made where conditions are unfavorable.
- c. If the new collection system is to serve existing development the likelihood of I/I contributions from existing service lines and non-wastewater connections to those service lines shall be evaluated and wastewater facilities designed accordingly.

11.244 Combined Sewer Interceptors

In addition to the above requirements, interceptors for combined sewers shall have capacity to receive sufficient quantity of combined wastewater for transport to treatment facilities to ensure attainment of the appropriate water quality standards.

11.25 Organic Capacity

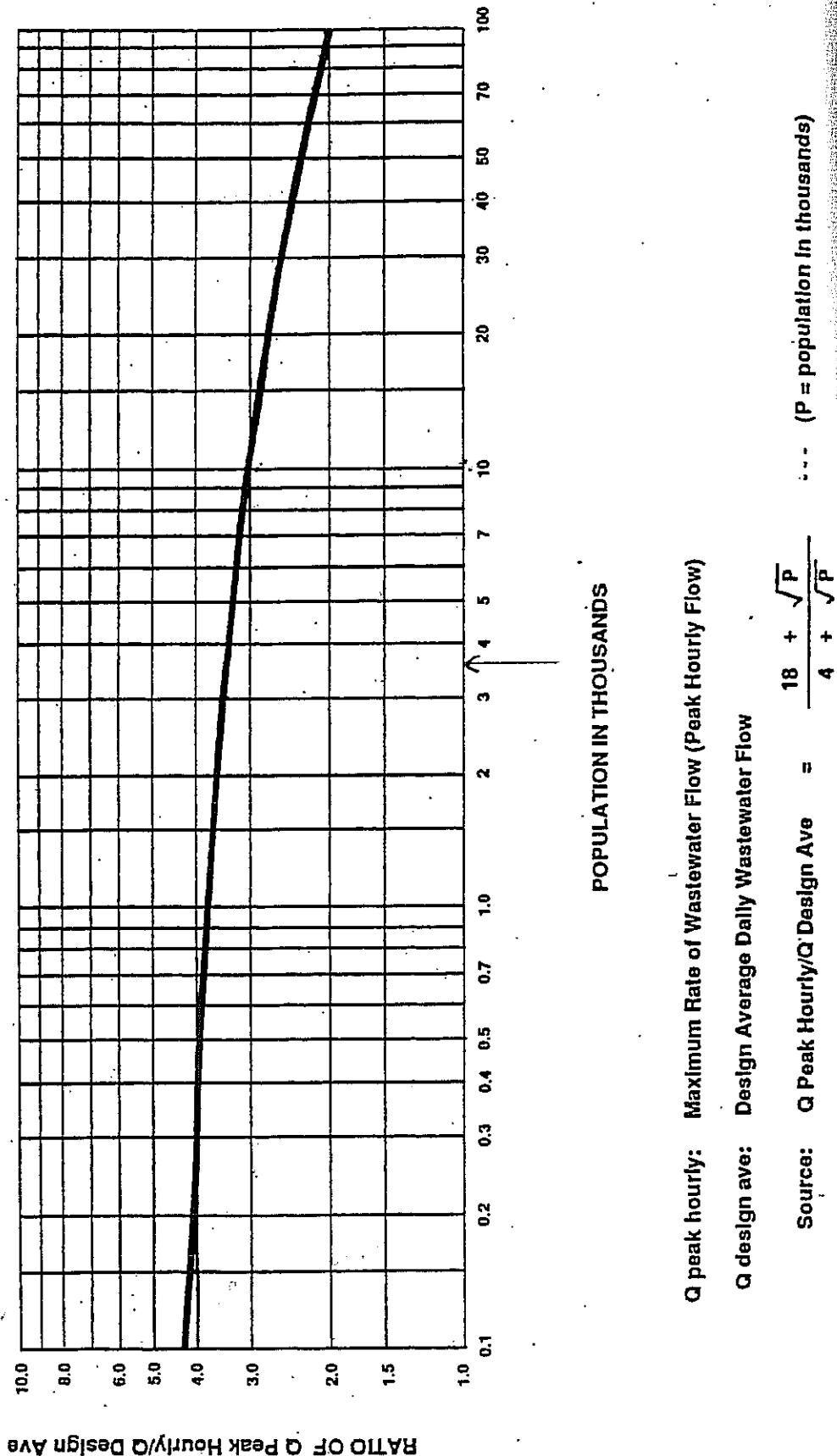
11.251 Organic Load Definitions and Identification

The following organic loads for the design year shall be identified and used as a basis for design of wastewater treatment facilities. Where any of the terms defined in this Section are used in these design standards, the definition contained in this Section applies.

- a. Biochemical Oxygen Demand Defined

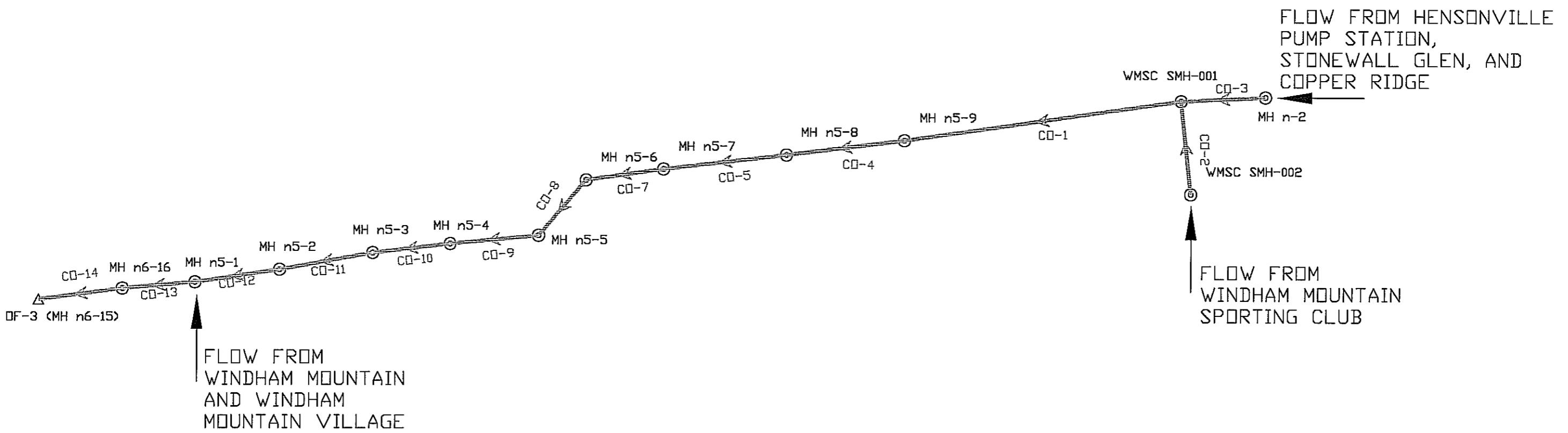
The 5-day Biochemical Oxygen Demand (BOD_5) is defined as the amount of oxygen required to

FIGURE 1.
RATIO OF PEAK HOURLY FLOW TO DESIGN AVERAGE FLOW



Appendix H:

South Street Hydraulic Summary



SOUTH STREET ANALYSIS

Label	Start Node	Invert (Start) (ft)	Invert (Stop) (ft)	Diam. (in)	Flow (gpm)	Length (ft)	Slope (ft/ft)	Capacity (Full Flow) (gpm)	Velocity (Average) (ft/s)	% Full
CO-1	WMSMC SMH-001	1,576.14	1574.94	10	515.5	313.0	0.004	719.57	3.19	72%
CO-2	WMSMC SMH-002	1,581.41	1577.96	8	215.5	84.3	0.041	1,296.64	6.12	17%
CO-3	MH n-2	1,576.48	1576.15	8	300.0	75.6	0.004	423.47	2.93	71%
CO-4	MH n5-9	1,574.74	1574.04	10	515.5	241.6	0.003	625.54	2.85	82%
CO-5	MH n5-8	1,573.84	1573.28	10	515.5	194.4	0.003	623.73	2.85	83%
CO-7	MH n5-7	1,572.31	1571.50	10	515.5	280.9	0.003	624.05	2.85	83%
CO-8	MH n5-6	1,571.30	1571.21	10	515.5	32.9	0.003	607.82	2.79	85%
CO-9	MH n5-5	1,571.01	1570.19	10	515.5	281.7	0.003	627.00	2.86	82%
CO-10	MH n5-4	1,569.99	1568.39	10	515.5	378.6	0.004	755.48	3.32	68%
CO-11	MH n5-3	1,566.04	1565.85	10	515.5	68.3	0.003	612.94	2.81	84%
CO-12	MH n5-2	1,565.65	1563.80	10	515.5	236.6	0.008	1,027.62	4.2	50%
CO-13	MH n5-1	1,563.80	1558.32	12	860.4	381.0	0.014	2,266.36	5.99	38%
CO-14	MH n6-16	1,558.12	1531.16	12	860.4	391.0	0.069	4,962.19	10.55	17%

* Analysis based on worst case assumptions of maximum buildup of projects on South Street; 100% occupancy and maximum allowable flows from contracted users.