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Lakewood Township Municpal Utilties Authority

Master Sewer Plan

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Table of Contents

1.0 Introduction

The Lakewood Township Municipal Utilities Authority (LTMUA) owns and operates the Sanitary Sewer system facilities in the easterly portion of the Township of Lakewood, and with this report and the System plan, will administer the Water Sewer Plan for the sewer service area. To prepare the Master Sewer Plan, this report analyzes the existing sanitary sewer collection system capacities with respect to existing and future wastewater flows until the year 2030. The approved Master Sewer Plan in force will enable the Authority to effectively, maintain existing systems and to evaluate impacts of future development in the service area to the sewerage system.

More specifically, this report analysis and conclusions presented in this study provide:

A. The capacities and conditions of the sewer mains and pump stations within the system study area;

B. The existing and future theoretical wastewater flows for the Authority;

C. Infiltration and inflow notes in the study area;

D. A discussion of impacts of the Ocean County Utilities Authority limitations of their interceptors and treatment facility;

E. A capital improvement plan for upgrading the sewer system and, where effective, pump stations cost.

1.1 Lakewood Township Municipal Utilities Authority

The sewer and water service area for the Authority is the easterly half of the Township of Lakewood in Ocean County, New Jersey. The Authority is a governmental body created by the Township to administer, operate, and maintain the sanitary sewer system and the water distribution system in the service area. The limits of the service area are bounded by Howell Township to the North, Brick Township to the East, Toms River Township to the South, and the border of the New Jersey American Water company franchise for their sewer and water systems to the West. This westerly borderline is approximately N.J.S.H. Route 70 to Vine Street, to Cedar Bridge Avenue, to Clover Street, to N.J.S.H. Route 88, to Cherry Street, to Brook Road, to the Howell Township boundary.

The topology of the Authority service area ranges from level to greatly sloping. Elevations range from 9 feet, where the Metedeconk River crosses under the Parkway, to above 130 feet at Spruce Street. No steep slopes occur in the area. The soil is mostly Downer or Lakewood sandy loam that is well to excessively drained. These soils are formed in acid, sandy coastal plain sediments. The ground water table is high, and it limits sites for houses with basements and for septic tank disposal fields.

There are residential areas of single family, multi-family, and age restricted uses; commercial areas along Route 70, Route 88 and Lanes Mill Road; industrial areas in the industrial park off Cedar Bridge Avenue and New Hampshire Avenue, and recreational areas of municipal parks, the County Park, a golf course and proposed Greenway linkage along the South Branch and North Branch, within the service area. The Administration office of the Authority is located 390 New Hampshire Avenue which is a central location that is easily accessible. One of the water system standpipes and the main water treatment plant is located on the same property. There are approximately 8,448 sewer connections to the collection system and sewer billing is based on the water meter usage at each location. The Authority also has 15 common sewer

accounts, which are inclusive of an additional 1,865 units. The basic billing is for one unit estimated at 18,000 gallons per quarter and then an average charge per 1,000 gallons (up to a maximum of 27,000 gallons per quarter for residential only.) Additionally, surcharges for industrial wastewater are imposed by the Ocean County Utilities Authority. The County Authority is the receiver of the collection system wastewater into their three interceptors traversing through Lakewood Township. The County Northerly treatment plant is located in Brick Township off Mantoloking Road with its treated effluent pipeline crossing Barnegat Bay and the barrier island through Mantoloking Borough, and ending with an Atlantic Ocean outfall.

1.2 Existing Sewer System Overview

The Authority Sewer Service area includes gravity sewers of 8", 10", 12", 14",16", 18" and 24" diameters made of asbestos cement (ACP), polyvinylchloride (PVC), and ductile iron (DIP). The calculated total length of all the pipelines is over 407,000 lineal feet. These mains connect at various locations into the three-gravity sewer main interceptors of the O.C.U.A. The northerly one is called the "North Branch Metedeconk Interceptor", the central one is called the "South Branch Metedeconk Interceptor", and the southerly one is called the "Kettle Creek Interceptor". A study of the existing sewer systems in the North Branch Metedeconk and South Branch Metedeconk Interceptor basin areas was completed by CME Associates and is included as Appendix F of this report. The existing and future build out analysis of the Kettle Creek Interceptor basin area is the focus this report.

The sewer pipeline collection system of the Authority has been mapped and plans have been prepared at a scale of 1" = 100 feet. The system has been divided into eight (8) areas with the following titles and developments within them.

1.) The Northeast Area contains single-family residential areas off Lanes Mill Road and Joe Parker Roads, the Woodlake Golf Course, multi-family residential areas of New Hampshire Avenue and the commercial areas along Ocean Avenue (Route 88).

2.) The Northwest Area contains single-family residential areas off County Line Road East and Ridge Road, up to the westerly limit of Brook Road, the Ocean County Park site, a nursing home, multi-family residential sites, and an office site off Route 88.

3.) The Industrial Campus Area contains the light industrial building sites off Cedar Bridge and New Hampshire Avenues, and it includes the Ocean County Recycling Center area.

4.) The West Central Service Area is west of New Hampshire Avenue with Oak Street to the South and the Metedeconk River to the North. It contains the First Energy Baseball Stadium existing, future residential areas, and the Evergreen Cemetery, South of Pine Street, and offices, and the Authority Administration Building, Water Plant, and Water Storage Tank on New Hampshire Avenue near Cedar Bridge Avenue. The westerly limit line is approximately at Vine Avenue.

5.) The Industrial Park Area contains the industrial building sites off Airport Road, Oak Street and Towbin Avenue, north of Route 70. There are also office buildings, the N.J. Motor Vehicle Inspection Station, and the Lakewood Airport within the area.

6.) The Southeast Service Area contains the properties east of the Garden State Parkway, south of Route 70. The Leisure Village East, Lionshead Woodlands, and the Four Seasons age-restricted residential areas, the Commercial Shopping Center at Shorrock Street.

7.) The South-Central Service Area is from the Toms River Township line up to Route 70 and New Hampshire Avenue is its westerly limit. It contains the original Leisure Village age-restricted residential area, the old "Pine Acres" subdivision with single-family residential existing and undeveloped properties off Erica, Lucy and Ronald Roads, and some commercial, and nursing home uses along the southerly side of Route 70.

8.) The Southwest Service Area is from the Dover Township line the westerly limit of Route 9 and Route 70 and then follows Route 70 to Vine Avenue and up to Oak Street. This area contains the Harrogate age-restricted residential, the Briarwood multi-family residential and various single-family developments. There are also commercial and offices sites along Route 70.

There are two Authority pumping stations in the system, one at the Woodlake development off Pinehurst Drive, and the second at the Leisure Village East development off of Shetland Drive.

1.3 Study for Master Plan Mapping

This master sewer plan study is a comprehensive report analyzing the existing sewer collection and pumping system and projected development and flow at full buildout of the LTMUA service area through the year 2030. The build-out analysis utilizes the data reported in the 2013 Lakewood Township Smart Growth Plan. It includes present land use planning conformance with regulations and sewer extension constructability parameters.

Available Authority mapping of the existing sewer system were reviewed for accuracy and revisions recommended. The Township road, tax, and zoning maps were used. The Ocean County Soil Survey and Water Quality Management Plans were a reference for the report. The State of New Jersey Global Information System (G.I.S.), Wetlands, and CAFRA mapping are included in environmental restrictions maps, Federal maps of the United States Geodetic Survey (U.S.G.S.), and the Federal Emergency Management Agency (FEMA), were used for elevation contouring and. f1ood zone maps.

Wastewater flow unit estimates based on the N.J.D.E.P. and N.J.D.C.A., and Residential Site Improvement Standards, were used for pipeline and pump station design capacities analysis. The land use designations of the properties were used from the Lakewood Zone Map and 2013 Lakewood Smart Growth Plan for assigning estimated flows per the regulations. Existing buildings current and historical flow data and the measured flows from the Ocean County Utilities Authority meter stations were reviewed and presented in this report.

The Lakewood Township Master Plan reports dated December 1999 and 2003 are references for data in this report. It provides data on population and demographics, land use and proposed zoning changes and does refer to the Authority's systems for utilities. A colored copy of the Land Use Map is included in this report. It graphically shows the land uses in the Authority service area.

The results of physical inspections assessing conditions of the future service areas in the undeveloped properties and those presently using proceeded during preparation of this report. The Authority operations staff was consulted on the conditions and arranging observation of the existing mains, lateral systems, the two pump stations and metering stations for our reporting on their condition and adequacies in current flow conveyance and projected build-out flows.

The Ocean County Utilities Authority was consulted, and they provided report data on the Brick Township Northern Treatment Plant, their interceptor pipeline, and projected contributory flow limitations. This study

also reports on the analysis of the future development infill and vacant lot infill in their present zoned areas with their projected flows for potential impact on the Authority sewer collection system.

The Authority provided metered water use data for existing new developments to establish the sewer flows in the system. The metered water data was used to project future sewage flows from undeveloped areas. Based on data from recent water meter readings from 2015, the projected demands for future sewage flows from single family detached homes and townhomes at 1,000 gpd and 525 gpd respectively

A review of the environmental and other service utility constraints is made for planning future development connections to the service area system. These constraints are reported for determination of suitability and feasibility of development of present vacant lands connecting to the sewer collection system.

Included with this report are the results of the infiltration and inflow metering report of findings, and existing flows analysis with reference to storm water event considerations. These findings are used for verifying existing flows, determining where storm water is infiltrating and repairs are necessary, and for flow estimating for future build-out of the sewer system.

This study will conclude with a review and recommendation for improvement for the Authority to plan its capital improvements program, prioritizing the implementations of needed projects and a understanding buildout limitations.

2.0 Existing Sewer System

2.1 Current Flow Treatment Agreements

The wastewater treatment facility for all the service area flow is the Northern Wastewater Treatment Plant, located in Brick Township, owned and operated by the Ocean County Utilities Authority (OCUA). The two North and South Metedeconk Interceptors are metered at their metering station off of Chambers Bridge Road just east of the Garden State Parkway overpass. The Kettle Creek Interceptor is metered at their metering station off Birch Bark Drive in Brick Township. The treatment plant receives wastewater from the northerly towns of Ocean County and from the southwesterly towns of Monmouth County. The current capacity of the OCUA treatment plant is 32 MGD. The treated effluent water is discharged into the Atlantic Ocean. In 2014, the wastewater from the Lakewood Township Municipal Utilities Authority presently averages approximately 1.6 MGD; and the estimated full build-out flow for the Kettle Creek Interceptor averages at 2.1 MGD for “Anticipated Buildout Conditions” and 2.5 MGD for “Maximum Buildout Conditions”, with peak flows at 8.1 MGD and 10 MGD. Anticipated Buildout Conditions and Maximum Buildout Conditions are defined in Section 4.0.

The County Authority is obligated to treat all anticipated wastewater flow from the Authority, which based on our maximum build-out average flow estimate would be approximately 2.5 MGD. This flow rate times the present Ocean County Utilities Authority annual bulk billing rate of $3,882.00 per million gallons for the yearly total of 2.5 times 365 days would be 912.5 MG for a charge of approximately $3.54 million per year for sewage treatment for the Kettle Creek Region.

2.2 Existing Pipelines and Collectors

Table 2-1 depicts the 45 major existing pipeline collectors, 10” thru 24” diameter, owned and operated by the Authority that collect wastewater from large areas of the system and take flows toward larger lines of the Ocean County Interceptor connections.

Table No. 2-1
Sanitary Sewer System
Main Collectors

No.	Diameter	Street		Service Area
1.	10" ACP	Del Mar Road		Northeast
2.	12" ACP	Ventura Drive		Northeast
3.	12" PVC	Lanes Mill Road		Northeast
4.	10" ACP	Medina Road		Northeast
5.	10" ACP	Long Beach Avenue		Northeast
6.	12" ACP	Woodlake G.C.		Northeast
7.	10" PVC	Route 88 West		Northwest
8.	15" PVC	Baseball Park		West Central
9.	18" PVC	Cedar Bridge Avenue		West Central
10.	12" ACP	Swarthmore Avenue	(west)	Industrial Campus
11.	12" ACP	Oberlin Avenue North		Industrial Campus
12.	14" ACP	Swarthmore Easement	(west)	Industrial Campus
13.	10" ACP	Swarthmore Avenue West		Industrial Campus
14.	14" ACP	Swarthmore Avenue East		Industrial Campus
15.	12" ACP	Vassar Avenue		Industrial Campus
16.	10" ACP	Cedar Bridge Avenue		Industrial Campus
17.	12" PVC	Airport Road	(north)	Industrial Campus

18.	12” ACP	New Hampshire Avenue		Industrial Campus
19.	12” ACP	Towbin Avenue		Industrial Park
20.	14” ACP	Airport Road	(south)	Industrial Park
21.	14” ACP	Paco Way		Industrial Park
22.	12” ACP	Salem Street		Industrial Park
23.	12” PVC	Chestnut Street		South West
24.	18” PVC	New Hampshire Avenue	(south)	South West
25.	12” PVC	Route 70	West of New Hampshire	South West
26.	18” PVC	Route 70	East of New Hampshire	South Central
27.	24” RCP	Route 70	East of Huntington Drive	South Central
28.	12” PVC	Route 70	East of Airport Road	Industrial Park
29.	10” PVC	Route 70	West of Airport Road	Industrial Park
30.	12” ACP	Plymouth Drive Area		South Central
31.	10” PVC	New Hampshire Avenue	From Locust	South West
32.	10” ACP	Lake Point Drive Area		South Central
33.	12” PVC	Buckingham Drive		South Central
34.	10” ACP	Pine Acres Boulevard		South Central
35.	12” PVC	Dorchester Drive		South Central
36.	16” ACP	Buckingham Drive		South Central
37.	18” DIP	Buckingham Drive Easement		South Central
38.	10” PVC	Spring Meadow Drive		South East

39.	12” PVC	Summerwinds Drive		South East
40.	16” DIP	Four Seasons Easement		South East
41.	18” DIP	Shorrock Street		South East
42.	24” DIP	Shorrock Street		South East
43.	12” PVC	Shorrock Street		South East
44.	10” ACP	Aberdeen Drive/Dumbartor Drive		South East
45.	12” ACP	Shetland Drive		South East

The pipe materials used for the pipelines in the system are asbestos cement pipe. (ACP), polyvinylchloride (PVC), ductile iron (DIP), and reinforced concrete pipe (RCP).

2.2.1 Asbestos cement pipe

Asbestos cement pipe was used for construction of the earliest pipelines from the 1950's through the mid 1970's. It was used for both gravity and force main pressure sewers. The pipe joints are compressed rubber rings, and the fittings where required are either asbestos cement for gravity or ductile iron for pressure pipes. The disadvantages of asbestos cement pipe are that they are subject to corrosion where acids or hydrogen sulfide gas are present. When these pipes are installed at flat slopes and solids accumulate, the acidic hydrogen sulfide gas also accumulates, and the acid corrodes the crowns or tops of the pipes.

The older sewer system areas used primarily ACP for their pipelines so that they have been in place for periods of 40 to 50 years. The early developments of the original Leisure Village, Leisure Village East, Raintree, Woodlake Manor, Batusrol, the Industrial Campus, and the Industrial Park, which encompass approximately 60% of the Authority system, used ACP.

During vacuum truck cleaning and videotaping of these older main pipelines the degree of corrosion they have are determined and replacement or relining these pipes may be required. Since ACP will become unavailable in the future, replacement should be with PVC pipe.

2.2.2 Polyvinyl chloride pipe

Polyvinyl chloride pipe started being used in the mid 1970’s and is currently the best material being used for sewer pipe construction. The advantages of solid wall plastic SDR-35 PVC pipe include its light weight, tight joints, long laying lengths, and its corrosion resistant nature. It can be used for both gravity and pressure flow use. With gravity mains the rubber gasket fittings are PVC and for pressure pipe ductile iron fittings with push-on rubber gaskets were used.

The disadvantages of PVC pipe can be seen where poor construction practices used with trench backfilling and lateral support at deeper depths may have caused deflection of the pipe walls vertically.

All the proposed and future development sewer mains will utilize PVC pipe. Authority will be able to keep a consistent stock of PVC spare fittings for maintenance use.

2.2.3 Ductile iron pipe

Ductile iron pipe has typically been used where special structural support or durable wall protection were needed, this pipe has been used. The N.J.D.E.P. requires it to be substituted where water mains are closer than 18" to PVC sewer pipe. Its advantages are long laying lengths, tight rubber gasket push-on joints, durability on external loads and differential pressure, and with internal design pressures. The DIP used for sanitary sewer is always lined with either cement lining or with a calcium aluminate lining to prevent corrosion.

Its disadvantages are that the earliest cast iron pipe made, before ductile iron was available, does have susceptibility to corrosion when the exterior coatings are inadequate in acid soils and when the interior linings wear away so that pipe damage can occur.

A relining program of all system Cast Iron and Ductile Iron pipe should be instituted by the Authority to inspect them on a routine basis and schedule their relining in manageable stages before corrosion can damage them.

It is expected that more sections of the future sewer system will be using ductile iron pipe where required and the Authority should keep maintenance parts and fittings in stock for repairs.

2.2.4 Reinforced Concrete Pipe (RCP)

Reinforced Concrete Pipe (RCP) was used for the larger collector mains sized at 18" and 24" in the Authority's system. Most of the Ocean County Utilities Authority interceptors are RCP. This material has been used longer than asbestos pipe and is most suitable for larger diameter pipes at greater depths due to its wall strength. This pipe must be lined to prevent corrosion from acidic wastewater and from gases attacking their crowns. The pipe joints are push-on rubber gaskets that are not as dependable and tight as other pipe materials.

Current pipe construction practice is to discontinue use of concrete pipe for sanitary sewers and use PVC profile pipe for diameter up to 48 inches. PVC pipe is easier to install, has all the non-corrosion advantage, and is comparative in durability and wall strength as concrete pipe.

2.2.5 Manholes

Manholes in the Authority's sewer system have been built primarily of precast concrete pipe sections. Some of the older areas and where special sized manholes were needed would have been built using concrete blocks with mortared joints and parged on the outside with cement mortar and coated on the inside with a bituminous protective compound.

Outside coatings of the manholes prevents infiltration of groundwater through wall joints and inside protective coatings prevents the concrete from becoming damaged from sewer gases and damage to the walls during maintenance cleaning.

Channels are built in the bottom of the manholes from the inlet to the outlet pipes to provide a smooth continuation of the water flow. On each side of the channel, benches of concrete provide surfaces for good footing for workmen and where minor tools and equipment can be laid.

The Authority regularly performs weekly, monthly and quarterly inspections of the following manholes:

Table No. 2-2
Manhole Inspection List

Manhole Number	Location	Frequency	Notes
FC15-MH0007	Tivili Apartments, Front of Building 6	Weekly	
FC12-MH0008	Fountain Drive, @ circle in Woodlake Village	Weekly	
FC12-MH0004	Woodlake CC Entrance (midway)	Weekly	
Private Manhole	Woodlake CC @ Beginning of Parking Lot	Last week of Month	
FA12-MH0002	Woodlake Manor in front of Unit 412	Weekly	
C08-MH005	Medina Road, after first bend	Weekly	
FC02-MH012	E County Line Rd, and Red Oak Drive	Weekly	
FC06-MH001	E County Line Rd, and Hermosa Drive	Weekly	
FC03-MH011	Del Mar Road and Hermosa Road	Weekly	
FC06-MH019	Redondo Land and Newport Road	Weekly	
FC06-MH040	Redondo Lane @ bend	Weekly	
FC08-MH015	Redondo at County Line Road	Weekly	
A11-MH029	Lakeview Village Shopping Center @ OC Park Fence	Last week of Month	
FA38-MH001	Chestnut Street @ exit next to Charlie Browns	Quarterly Jan, April, July and Oct	Last week of Month
FA38-MH008	Chestnut Street @ entrance to Andrews Corner	Quarterly Jan, April, July and Oct	Last week of Month
C40-MH004	Plymouth Drive at 701A	Weekly	
FC46-MH072	Malvern Ct West Top of circle in OLV	Weekly	
C46-MH063	Malvern Ct East at end Near Lake	Weekly	
F55-MH004	Portsmouth near Dorchester at LAKE	Weekly	
FC50-MH026	Portsmouth Drive near 494 B	Weekly	
F46-MH043	132 Farrington Court	Last week of Month	

FC05-MH022	1st M/H on Alvarado off Lanes Mill	Last week of Month	
FC58-MH021	LVE Hamilton Court 1253B	Last week of Month	
FC58-MH015	LVE Hamilton Court End of Cul-De- Sac	Last week of Month	
*	County Line Manor between Bldg 14 & 20	Weekly	
*	County Line Manor between Bldg 8 & 9	Weekly	
*	County Line Manor between Bldg 1134 & 1136	Weekly	
FC56-MH078	960 D Argyll Circle in LVE	Weekly	
FC08-MH029	310B Joe Parker Rd (Golf View)	Last week of Month	
C08-MH031	310B Joe Parker Rd (Golf View) between 350 G & 330 A	Last week of Month	

2.3 Existing Pumping Stations

The Authority has historically owned and operated two wastewater pump stations, Woodlake Area Pump Station, located off of Pinehurst Drive and the Leisure Village East Pump Station is located off Shorrock Street and Shetland Drive. The Woodlake Pump Station was abandoned in March of 2016.

2.3.1 The Woodlake Pump Station

The Woodlake Pump Station was abandoned in March of 2016. A 21 inch diameter and 24 inch diameter gravity pipe line was constructed to connect the area serviced by the pump station to the Ocean County Interceptor at Lanes Mill Road. Approximately 4,090 lineal feet of pipe were installed along the southern property line of the residential area and golf course to Route 88 and connects to the 42" RCP interceptor manhole near Lanes Mill Road. There are approximately 16 lots in the center of Route 88 zoned for commercial use that could possibly connect to this gravity main with service laterals.

2.3.2 Leisure Village East Pump Station

The Leisure Village East Pump station is equipped with two 15 HP, 320 to 600 gpm, at 65 feet of total dynamic head, variable frequency drive pumps that serves the Leisure Village East and parts of the Four Seasons areas. It was originally built in 1970 for the age restricted development and connected via an 8" diameter cast iron pipe force main north up Sharrock Street and west along Route 70 to the former Original Leisure Village Treatment Plant off Buckingham Drive. In 1997, it was upgraded from below-ground dry well pumps and controls configuration to an above-ground surface mounted lift pump system with a control room building and emergency power generator. The force main was also reconstructed in 1997 and made shorter to connect to a gravity manhole in the Four Seasons Development, off Sharrock Street, that connects to the Ocean County Kettle Creek Interceptor in Sharrock Street near Route 70.

2.3.2.1 Piping and Pump Manhole

The piping and pump manhole is a 6 ft. diameter concrete chamber located in the floor of the pump control building. The present pumps are lift type Smith and Loveless Model No. 4B2D surface mounted on top of the manhole run with 15 HP motors with a variable frequency drive control system. The flow rate varies from 320 gpm with low flows and 600 gpm with high flows. The pumps draw from the wet well with 8" diameter suction pipes that extend 10 feet below the pump elevation, and have 6" diameter check valves, and a 3-way plug valve on the effluent line to the force main. The pump's control panel, level control air compressors and bubbler system, alarm wireless data acquisition and notification system, natural gas generator, and appurtenances are located in the masonry block and exterior brick pump station building. This type of station is usually wet well mounted but was adapted to replace the former dry well type station with the least disruption of the site conditions and operations.

The general condition of the piping and pump manhole is excellent and well maintained. It is recommended that the discharge manhole be cleaned on an annual basis.

2.3.2.2 Wet-well

The wet-well for this station is the original one built in 1970 and was modified for use with the new lift pumps. It is a circular reinforced concrete chamber 17 feet deep with a fiberglass grating set at 11 feet deep just above the 12" diameter PVC influent pipe opening. A trash basket is on rails that is set below the pipe influent to catch debris and then it can be lifted up along rails of the ladder. The level measuring system is a bubble tube that hangs in the wet well and detects the level of the water for controlling the operation of the pumps automatically. A blower-ventilator is located in the building with ducts from the wet well and piping and pump manhole to exchange air in the chambers. There are two water and explosion proof lamps mounted on the walls, one at the top and one above the grating. A roof extends from the pump building to cover over the wet well.

2.3.2.3 Generator

An emergency 60 KW Kohler natural gas-powered generator is at the site inside the pump control building. There is an Automotive Transfer Switch made by Kohler that activates the generator power when the electric company power in the area shuts down. There have been no extended time periods that the power in the area was off. Operating noise is minimal since the masonry walls of the building reduce the sound levels from going outside. The gas service meter is on the southwest corner of the building.

2.3.2.4 Water Service

A 1" diameter copper water service is provided to the building with a water meter backflow preventer, and utility sink. Originally, there was a 1" service with a yard hydrant spigot, used for maintenance cleaning, which was replaced with a new line and a hose bib on the exterior wall of the pump building.

2.3.2.5 Electric Service

This station's electric line is an underground service from a utility pole out on Shorrock Street to the meter box on the south wall of the building. It is a 208 volt, 3 phase, 60 HZ, 225A service. The panels are all in good condition. A variable frequency control panel operates the pump motors at variable speeds dependent on the water depth in the wet well. All electrical equipment is in the pump station building well protected from the weather and moisture damage.

2.3.2.6 Bubbler Level System

The level system for this station is an air compressor bubbler level measuring system made by Bristol-Babcock. It has two half horsepower motors and a pressure tank in the pump building. The bubbler tube in the wet well is a ¾" stainless steel pipe down to the pump level. The level system also is connected to the alarm system to send high water and pump failure alarms to the operations department. A wireless radio alarm system "Yagi" antenna on the roof sends signals to the operations department on the equipment status.

2.3.2.7 Force Main

The 8" diameter ductile iron pipe force main leaves the station from the pump and piping chamber northerly out to Shetland Drive and turns east and north up Shorrock Street, 2,980 feet to a gravity manhole on the Four Seasons Drive exit road. The gravity line is then 12" diameter PVC to an 18" and a 24" DIP gravity main before going into the Kettle Creek Interceptor of the Ocean County Utilities Authority. There are air release manholes at the high points along the force main. A bypass pipe connection fitting is located on the pump station site that can be used for emergency pump out of wet well by a trailer mounted pump unit into the force main.

2.3.2.8 Pump Station Building

The 12' x 18' masonry and brick building built in 1997 houses the pump and pipe manhole, the generator, all the electrical panels, a service sink, hot water heater, and a gas unit heater. There are exhaust and intake louvers for the generator. A personal door and an aluminum overhead door near the pump manhole provide access for maintenance. Interior fluorescent lights, emergency lights, and exterior wall lamps provide adequate lighting for maintenance.

2.3.2.9 Pump Station Site:

The location of this station on an easement in the Leisure Village East development provides the station some security with a fence along Shorrock Street. The chain link fence is part of the maintenance alternate gate from Shetland Drive also a wood barricade fence continues south of the site. A remote reader is installed in the fence. A gate in the fence is used by Authority operators.

Utility lines are all underground and operational serving the station. Spare parts and operation manuals are kept at the station. There are no red-flashing emergency light or alarm horns used at this station.

The Leisure Village East Station cannot reasonably be removed for a gravity main due to the length of pipe and depth of excavation that would be required.

2.4 Ocean County Utilities Authority Capacities

The Ocean County Utilities Authority is the regional treatment plant and interceptor County agency that serves the Lakewood Township Municipal Utilities Authority system. The interceptors all flow toward the Northern Wastewater Treatment Facility off Mantoloking Road in Brick Township. The secondary treated wastewater goes out an Atlantic Ocean outfall pipeline off Mantoloking Borough.

The wastewater treatment capacity of the Northern Plant is currently 32 MGD with average flows of 23 to 25 MGD. It serves the municipalities: Bay Head, Brick, Jackson, Lakewood, Point Pleasant Beach, Point Pleasant Borough, and from Monmouth County, parts of Howell, Freehold and Wall. There are no current plans to expand the capacity of the plant.

The interceptors were all constructed in the late 1970's and have remaining adequate capacity for the near future, and, at the present, there are no plans by the Ocean County Utilities Authority to extend or reconstruct interceptors in their northern service area.

2.5 Current Planned Extensions

The following pending developments within the Kettle Creek Sewer Basin are planned to have sewer extensions that they will construct to their properties and turn the lines over to the Authority upon completion.

Table No. 2-3

Planned Developer Extensions (For the Kettle Creek Sewer Basin)

Name	New Units
Locus Street and Route 70 (Locust Street by Route 70)	64 Townhouses Meeting/Worship Building
Route 70 (Route 70 by Locust Street)	64 Townhouses Meeting/Worship Building
Vermont 54 (Locust Street & Vermont Avenue)	50 Townhouses Meeting/Worship Building
New Hampshire Apartments 570 Route 70	74 Townhomes 26,050 SF of Commercial 400 Seat Community Building
Flea Market Block 1077, Lot 22 & 23	166 Townhomes 23,560 SF of commercial 1,000 seat community building

These developer extensions will be constructed under Authority regulations and turned over upon their completion to the Authority.

There are an additional 26 planned developer extensions in the North Branch Metedeconk and South Branch Metedeconk basin areas. These developments are identified in the report prepared by CME Associates. (See Appendix F)

The undeveloped areas of northwest, west central, southwest and southeast parts of the Authority service area will require extension in the future as development proceeds. A discussion of future service area extension is included in part 4.3 of this report.

2.6 Computing of Existing Flows

2.6.1 Infiltration and Inflow

Infiltration is defined as water other than sewage that enters a sewer system from the ground through such means as defective pipes, pipe joints, connections or manholes. Infiltration is normally considered to be the extraneous flow from ground water sources and therefore increases and decreases with the groundwater table. [3]

Inflow is defined as water other than sewage that enters a sewer system from sources such as roof leaders, cellar drains, yards drains, area drains, manhole covers, and cross connections between sanitary sewers and storm sewers, catch basins, or drainage. Inflow is normally the direct result of rainfall. [3]

For the purposes of this report, inflow is defined as the increase in total wastewater flow during a rain event while infiltration is defined as the extraneous flow in the sewer system other than inflow. The total I/I is the sum of these two items.[3]

A metering program, performed by Flow Assessment, during the months of April and May of 2014 is included as an Appendix to this report. The results of the metering study during the dry and wet weather flow periods show the amount of extraneous wastewater flow in the Authority's Sewer System. Chapter 6 provides a summary of the flows and provides recommendations for further investigations to decrease the suspected extraneous flows.

2.6.2 Annual Flows

A comparison of the capacity of each sewer segment with its existing and future flow required a determination of tributary wastewater flows. The total wastewater flow is comprised of sewage, infiltration and inflow. The sewage, or theoretical wastewater production, is the water consumption. Sewage flow is normally less than the water supplied to the consumers since a percentage is lost through leakage, evaporation, cooking, plant watering, etc. For the purposes of this analysis, sewage has been broken down into three components: 1) residential 2) commercial 3) industrial/municipal. The determination of the sewage components was dependent on the analysis of existing water consumption data and present development patterns in consumption data and present development patterns in conjunction with sewage treatment flow records. [3]

2.6.2.1 Residential

The existing residential sewage component at any sewer pipeline segment was determined by totaling the number of development residential housing units tributary to the subareas within the Kettle Creek, Metedeconk South and Metedeconk North Basins that sewer pipeline segment. Individual housing units were determined from zoning maps and sewer system aerial maps, and digital geographic data. The geographic data contains information about tax parcels including a description of the property class, current owners, and description of the building on site

The residential sewage component is therefore equal to the total residential housing units at any point times the per housing unit flow rate determined for the sewage service area. [3]

Water consumption data during 2014 was obtained from the Authority water distribution system accounts. All water in the system is provided by the Authority with the exception of houses that have individual wells because the water lines have not been extended to their properties.

Data from the 2009 Water Allocation Permit reports that there were 8,886 domestic water services representing 1.6 MGD of residential usage or approximately 180 gallons per residential unit per day.

Based on the findings of the Township's 2013 Smart Growth Plan, future residential housing units were estimated for undeveloped residentially zoned areas and other areas deemed developable for residential use. A review indicated the probable density of future housing units for those areas. In areas where no development plans were available, the residential density allowable under zoning was used as a guide for estimating the number of future housing units. All developed areas within wetland boundaries, as

determined by New Jersey Department of Environmental Protection (N.J.D.E.P.) Wetlands Maps were deemed unavailable for residential development. In addition, only 80% of the available land area was used for future development to allow for roads and siting constraints. The following table indicates the future residential density used for each zone: [3]

Table No. 2-4
Future Residential Densities

Zone	Housing Units Per Acre
R-12	3.63
R-15	2.90
R-20	2.18
R-12A	3.63
R-40	1.09
A-1	0.5

The future increment of residential housing units was added to the existing housing units to determine the total future residential housing units for each sewer segment. 3

Table No. 2-5
Future Commercial/Industrial/Office Densities

Zone	Building Units per Acre
B-4	4.36
B-5	0.50
M-1	0.33
P-S	0.33

The existing areas in the zones for commercial, industrial and office sites have sewage flow components determined by totaling the number of developed sites tributary to their sewer pipeline segments. The number of sites was determined by the zone and sewer system maps.

Water consumption data was obtained from the Authority records to determine present use and to project future use to undeveloped sites.

Flow Rates

Existing flow rates were obtained from a May 2014 report entitled “Existing Dry Weather Flow Data for the Chestnut Street Impact Area” prepared by Flow Assessment Services, LLC. Additional data was obtained from NJAW’s June 2013 report entitled “Temporary Monitoring Study for NJAW’s Lakewood Sanitary Sewer System” prepared by CSL Services. Results of the flow study by manhole number in where

the meter was installed are provided in Table 2-6. Flow data for each subarea is inclusive of contributions from all existing residential, commercial and industrial sewerage flow.

Table No. 2-6
Metering Locations and Average Daily Flow Summary Table

	Site	Location	Meter	Flow Rate (MGD)	Reported By
1	A19 MH003	Swarthmore Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 14" diameter line.	0.099	Flow Assessment (2014)
2	A20 MH001	1935 Swarthmore Avenue	Area Velocity Flow Meter installed in an existing 14" diameter line.	0.181	Flow Assessment (2014)
3	A36 MH008	900 Shorrock Street	Level Meter installed with a 6" Palmer-Bowlus Flume in an existing 8" diameter line.	0.003	Flow Assessment (2014)
4	A36 MH017	Shorrock Street R.O.W. (Behind Shopping Plaza)	Level Meter installed with a 6" Palmer-Bowlus Flume in an existing 8" diameter line.	0.001	Flow Assessment (2014)
5	A36 MH021	900 Shorrock Street R.O.W.	Area Velocity Flow Meter installed in an existing 24" diameter line.	0.289	Flow Assessment (2014)

6	AH40 MH024	Buckingham Drive R.O.W. (Leisure Village Maintenance Yard)	Area Velocity Flow Meter installed in an existing 16” diameter line.	0.173	Flow Assessment (2014)
7	AH40 MH025	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 24” diameter line.	0.43	Flow Assessment (2014)
8	AH41 MH017	900 Shorrock Street R.O.W. (Behind Plaza)	Area Velocity Flow Meter installed in an existing 8” diameter line.	0.01	Flow Assessment (2014)
9	C13 MH015 Downstream	Lanes Mill Road R.O.W.	Area Velocity Flow Meter installed in an existing 10” diameter line.	0.018	Flow Assessment (2014)
10	C33 MH017	Towbin Avenue	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.094	Flow Assessment (2014)
11	C46 MH047	Buckingham Drive (Between 54A & 56F)	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.11	Flow Assessment (2014)
12	F09 MH020	Lanes Mill Road	Level Meter installed with an 8” Palmer-Bowlus Flume in an existing 12” diameter line.	0.019	Flow Assessment (2014)

13	FA14 MH016	New Hampshire Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 18” diameter line.	0.74	Flow Assessment (2014)
14	FA16 MH002	1444 Ocean Avenue	Level Meter installed with a 6” Palmer-Bowlus Flume in an existing 10” diameter line.	0.003	Flow Assessment (2014)
15	FA41 MH002	Route 70 Leisure Chateau Rehab Center	Area Velocity Flow Meter installed in an existing 8” diameter line.	0.014	Flow Assessment (2014)
16	FA41 MH010	Route 70 Best Western at Rear in R.O.W.	Level Meter installed with a 6” Palmer-Bowlus Flume in an existing 8” diameter line.	0.019	Flow Assessment (2014)
17	FC03 MH014	1261 Ventura Drive	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.034	Flow Assessment (2014)
18	FC06 MH015	East County Line Road at Redondo Lane	Level Meter installed with an 8” Palmer-Bowlus Flume in an existing 8” diameter line.	0.036	Flow Assessment (2014)
19	FC15 MH06A	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 15” diameter line.	0.318	Flow Assessment (2014)

20	FC15 MH007	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.049	Flow Assessment (2014)
21	FC40 MH028	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 16” diameter line.	0.164	Flow Assessment (2014)
22	FC57 MH026	1400-1426 Shorrock Street	Area Velocity Flow Meter installed in an existing 10” diameter line.	0.121	Flow Assessment (2014)
23	FC57 MH031	Shetland Drive (Near #1031)	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.102	Flow Assessment (2014)
24	A38-MH031	Intersection of Rt. 70 East & New Hampshire Avenue	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.097	CSL Services (2013)
25	A39-MH002	Intersection of New Hampshire Avenue & Chestnut Street	Area Velocity Flow Meter installed in an existing 18” diameter line.	0.057	CSL Services (2013)
26	C40-MH023	Buckingham Drive, Leisure Village	Area Velocity Flow Meter installed in an existing 15” diameter line.	0.113	CSL Services (2013)
27	FA34-MH033	Leisure Village Shopping Center Route 70	Area Velocity Flow Meter installed in an existing 23” diameter line.	0.433	CSL Services (2013)

28	FC-39-MH005	Intersection of Rt 70 East & New Hampshire Avenue	Area Velocity Flow Meter installed in an existing 10” diameter line.	0.03	CSL Services (2013)
29	Chestnut St Pump Station	230 Chestnut Street (in Pump Station)	Area Velocity Flow Meter installed in an existing 12” diameter line.	0.214	CSL Services (2013)

For estimated flow rates shown in Appendix A, the New Jersey Department of Environmental Protection Regulations 7:14A-23.3 for projects flow criteria area as follows:

Residential Dwelling	300 gallons per day
Age Restricted Dwellings	170 gallons per day
Commercial Buildings (0.10 gallons per square foot x 20,000 sf average)	2,000 gallons per day
Industrial Building (40 gallons per employee x 75 employees per average)	3,000 gallons per day
Sports Stadium (3 gallons per seat x 6,700 seats average)	20,000 gallons per day
Apartments (2 bedroom average)	225 gallons per day
Office Buildings (0.10 gallons per square foot x 25,000 sf average)	2,500 gallons per day

The annual flows provided by the OCUA from the Lakewood Township Utilities Authority System from the North East Region and the Kettle Creek Region were as follows:

2012	585.6 MG
2013	576.6 MG
2014	585.6 MG

The computations made for this report are attached. They are based on the estimated flows from the various types of uses extended times the existing number of units in the system for "Present 2014 Flows" (Appendix

A) and a tabulation for "Future Build Out Flows," (Appendix B&C) with daily totals for the Kettle Creek Region as follows:

2014 (OCUA Meter Records)	0.966 MGD
Future Anticipated Buildout Conditions	2.1 MGD
Future Maximum Buildout Conditions	2.5 MGD

2.6.3 Maximum Monthly Flow

The recorded maximum monthly flows from the Authority sewer system to the County interceptors for the Kettle Creek and North East Regions are as follows:

	Kettle Creek Region (MG)	Northeast Region (MG)	Total (MG)
2012	29.1	29.2	58.3
2013	29.8	31.5	61.3
2014	31.6	25.4	57

The difference between the metered sewer flow and the water usage is over 50% in the year 2013, which during the summer months, is attributable to lawn irrigation and pool water usage.

For peak sewer flow computations, the average monthly flow multiplied by the peaking factor of 4 would be the flow rates used for pipe capacity analysis. From the OCUA records for the year 2014, the average monthly flow was 48.7 MG, which multiplied by 4 would give the peak monthly flow rate of 194.8 MG per month.

All the County Authority interceptors and their Northern Treatment Facility should be capable of accepting the peak flow.

The computed maximum monthly flow from the existing and future build- out flow rates using the recorded metering factor of approximately 1.3 times the average flows, would be as follows:

Year 2014 (Kettle Creek and Northeast Region)

1.84 MGD x 30 days x 1.3 factor = 71.76 M.G.M.

Full Build-Out (Anticipated Buildout) (Kettle Creek Only)

2.1 MGD x 30 days x 1.3 factor = 81.9 M.G.M.

Full Build-Out (Maximum Buildout) (Kettle Creek Only)

2.5 MGD x 30 days x 1.3 factor = 97.5 M.G.M.

2.6.4 Maximum Daily Flow

The daily maximum sewage flow will be the flow rate that is the required rate for design capacity of the sewer system in accordance with the N.J.D.E.P. regulations. It can be first estimated from the metering flow records of the County. In 2016, the daily maximum sewer flow reported by OCUA was 1.034 MDG and 1.003 MGD for the Northeast and Kettle Creek Regions, respectively.

2.7 Condition of Existing Facilities

The present condition of the Authority sewer system is good in that there are no recurring overflows of surcharged sewer manholes, there are few mainline stoppages, and the pipelines have sufficient capacities for current existing flows.

The record drawings of the Authority for the sewer system overall plans were reviewed and the pipeline data used in the computation in the appendix to this report. Based on estimated flows, using the N.J.D.E.P. rates, all the lines were capable of passing average daily flows but there are some that will not pass peak estimated flows from existing units connected to the sewer system. Section 8 of this report will address those pipelines requiring improvements recommended.

2.8 Recommended Improvements to Facilities

The system improvements that are recommended are based on the review of the system plans, the flow records, the Inflow and Infiltration metering results, the maintenance and operations records, and inspection records on the sanitary sewer collection system of the Authority.

Future pipeline projects that would be recommended would be replacing any older pipelines that have slopes that are back pitched or too flat. Slopes for these pipes should be increased so they can maintain a self-cleansing velocity of flow of 2.0 fps. A list of back pitched pipes, that was compiled based on a review of the system wide plan prepared by GTS is provided in Table 2-7. The Authority has noted that the datum provided on the survey plans that was used to develop this list may be incorrect. It is recommended that the invert elevations shown in Table No. 2-7 be field verified.

Table No. 2-7
Back Pitched Pipes

Start Manhole	Finish Manhole	Street	INV In	INV Out	Percent Slope (%)
MH 51-9	MH 51-8	Conventry Ct	45.03	45.47	-0.17
MH 51-8	MH 51-7	Conventry Ct	44.47	44.56	-0.08
MH 29-5	MH 34-8	Airport Rd	38.74	40.38	-0.94
MH 34-7	MH 34-7	Airport Rd	38.03	39.92	-0.47
MH 40-4	MH 40-5	Plymouth Dr	37.15	39.73	-1.82

Additional back pitched pipes for the North Branch and South Branch Metedeconk basins are identified in the CME Associates report. (Appendix F)

Consideration for upgrades should first be given to the major collector pipelines. Since older asbestos cement pipes may have been damaged by corrosive gases, the pipes may have to be replaced in areas where frequent stoppages have occurred. The use of PVC pipe to replace the older pipe will provide a smoother

wall for greater velocities and that corrosive gases do not damage them. The Authority can plan to do pipeline replacements on an area analysis basis, starting with the most frequent stoppage collector mains.

Existing manholes should be field examined and noted for their conditions. Any manholes that were built without proper channels should be listed and work crews assigned to them to progressively install concrete channels with PVC inserts as liners. The manhole walls and collars that allow groundwater infiltration should be inspected and repaired where necessary. At this time, the Authority could consider a relining or coating program for the interior of manhole walls and benches. An epoxy coating is a protective coating for concrete that is simple to apply, reduces potential odors, and allows the manhole to be cleaned and maintained relatively easily. Whenever developments are proposed near existing pipelines the improvements to any downstream mains should be addressed.

Many existing pipeline and manhole improvements can be done by the same contractors that would be working on the new line extensions very efficiently. In this report's section on sewer system expansions the downstream pipeline conditions from the future extensions areas will be discussed and recommendations for downstream improvements will be provided. The Authority currently owns only one pump station at Leisure Village East, since the Woodlake Pump Station was abandoned in March 2016.

Since the Leisure Village East station was recently upgraded, there is no short term improvements to the facilities that will be required; However, a useful life of the station equipment is approximately 25 years, so that the Authority should budget for replacing the station over these years and equipment should be replaced due to wear and mechanical malfunctions as they occur.

2.9 Regulatory Restrictions

The Authority sewage system was designed and constructed under the rules and regulations of the N.J.D E.P., the County Authority, and local agencies. The restrictions to installing sewer lines are those environmental laws that now delineate areas of lands that can be used for residential commercial, institutional, and industrial purposes.

The following are the current environmental regulations that govern the Authority sewage system service areas and operations of facilities:

1. NJDEP - Freshwater Wetlands
2. NJDEP - Pollution Discharge Elimination
3. NJDEP - Coastal and Facilities Review Act
4. NJDEP- Water Quality Management Plans and Watershed Protection
5. NJDEP - Flood Plain Limits of Federal Emergency Management Agency and Flood Hazard Area Control

3.0 Projected Flows

3.1 Developments at Planning Board Stages

The proposed developments in the Kettle Creek region presently before the Lakewood Township Planning Board are presented in Section 2.5. The flow calculations for their connection units are reported as follows:

Residential:

	Average Daily Flow (gpd)	Peak Daily Flow (gpd)
Residential:	138,616	554,464
Commercial:	0	0
Industrial:	0	0
Total:	138,616	554,464

As shown above, the peak flow estimate is 4 times the average flow equaling 554,464 gpd. Given the current rate of development within Lakewood Township, the projected flows could become actual flows within the next five years or less,

As additional developments are planned they must apply to the Authority for connection since all the service area, in accordance with the Water Quality Management Plan for the Township, approved by the NJDEP is required to be connected to the collection system with no new on-site disposed systems allowed except in presently unsewered areas. Sufficient capacity of the Authority downstream gravity sewer mains should be planned and as a part of this report, the existing individual mains have been analyzed and their maximum capacities and allowable percentage of full flow calculated and tabulated in Appendices B and C.

3.2 Flow Projections

In the following Table No. 3-1, the projected flows for the future at 2 years, 5 years, 10 years, and 20 years and at build out of all areas are provided. There is a growth percentage of 5.4% per year taken from the recorded U.S. Census results for the ten-year period in Lakewood from 2000 to 2010 totaling 54%.

Assuming a similar rate of growth in the in the next few decades, Lakewood's population is expected to increase by 50,000 between the years 2010 and 2020, and 80,000 between the years 2020 and 2030, resulting in a total population of approximately 222,000 by 2030. The plan indicates that Lakewood should expect a continued high rate of growth in the coming two decades.

Table No. 3-1
Sewer System
Lakewood Township Municipal Utilities Authority
Growth Time Schedule
Increase From Year 2015 of Population at 2030

	Present	2- Year	5-Year	10-Year	15-Year	Build-Out
Year	2015	2017	2020	2025	2030	n/a
Population	117,843	127,843	142,843	182,843	222,843	n/a

3.3 Long Range Additional Growth

The projections in Section 3.2 are based on the findings of the 2013 Lakewood Smart Growth Plan. This plan was developed by the township to plan around Lakewood's future population growth and development objectives in an environmentally and economically sustainable way. The township is committed to smart growth as a guiding principle for their planning efforts.

Currently Lakewood has a built out suburban character with a wide variety of land uses. Lakewood seeks to implement center based development, which includes a series of centers, cores, and nodes. Opportunities for further infill development occur in the key locations listed below. The housing projections of the areas studied in the Smart Growth Plan are also provided.

Table Housing Projections Smart Growth Plan Components

	2010 Units	2030 Units
Downtown Regional Center	7135	341
Cedar Bridge Town Center	1736	1735
Oak Street Core	3199	2524
Cross/Prospect Street Core	2363	2269
Highway Nodes	2234	1565
Industrial Parks	92	-

To calculate future development of undeveloped areas, the number of future units anticipated in the area at 80% of the residential zoned property acreage divided by the minimum lot size and similarly for commercial and industrial properties 100% of the acreage.

Our analysis is for the Kettle Creek Interceptor Basin. The estimated full build-out flow for the Kettle Creek Interceptor averages at 2.1 MGD for "Anticipated Buildout Conditions" and 2.5 MGD for "Maximum Buildout Conditions", with peak flows at 8.1 MGD and 10 MGD. Anticipated Buildout Conditions and Maximum Buildout Conditions are defined in Section 4.

The areas that are not characterized as Smart Growth Areas should grow in accordance with the land use planned under the Township Master Plan. Authority sewer collection system will grow similarly with extensions to serve the areas using gravity mains or pumping stations and force mains only when gravity systems are not feasible.

The Appendix "B" LTMUA Sewer Chart Future Calculations list all the sewer mains present and future potential feasible extensions to serve the build-out of the service area. The capacities of the existing pipelines to accept the future flows are indicated and where lines do not have adequate capacity to accept peak flows they would have to be upgraded.

It is recommended that the Authority review its growth at 5 year, 10 year, and 15 year intervals to see if adjustments to long term plan capacities need to be made by recalculating for pipe adequacies and preventing excess flow maintenance conditions.

4.0 Sewer System Expansion

4.1 Pipeline Capacities

The capacities of the existing pipelines based on their pipe material, friction factor, and slope as constructed are shown in the Appendix A for the existing calculations. Where the system is to be extended into future undeveloped areas, sewer main lines will extend from existing mains with the same or smaller pipe diameters.

Another set of calculations were made for "Future" flows to verify that the existing downstream pipelines have enough capacity to accept the estimated peak flows for buildout conditions. Should the downstream pipelines receive more flow than their capacity the flows will surcharge up the manholes and may cause a spill on the ground surface that would require emergency remediation.

Based on the present day flow calculations in Appendix "A" there are 4 sewer main pipelines that have present capacities that are below the estimated peak flows for the units connected upstream of them. They are presented in Table No. 4-1.

Table No. 4-1
Lakewood Township Municipal Utility Authority
Existing Sewer Lines with Under Peak 4 Capacity in Kettle Creek Basin

	Sheet	Street	From MH #	To MH #	Linear (Ft)	Slope (%)	Pipe Size (in)	Pipe Material	Factor 4 Peak Flow % Full
1	40	Buckingham Drive	25	71	270	0.15	12	ACP	1.12
2	40	Buckingham Drive	71	70	290	0.14	12	ACP	1.15
3	40	Buckingham Drive	70	64	378	0.14	12	ACP	1.20
4	40	Buckingham Drive	64	30	195	0.14	12	ACP	1.17

Additional sewer lines with under Peak 4 capacity in the North Branch and South Branch Metedeconk basins are identified in the CME Associates report. (Appendix F)

In order to avoid pipeline and manhole surcharging and potential spills, the downstream mains were reviewed for future improvements or need for redesigns to meet the full build-out service area flows.

To conduct a "Future Flow" capacity analysis, two buildout analyses were prepared; an "Anticipated Conditions Buildout Analysis" and Maximum Conditions Buildout Analysis. The "Anticipated Buildout Analysis" is representative of buildout projections that are based on current zoning regulations, smart growth projections as presented in the township's Smart Growth Plan, conditional uses for developments and contributions from specific proposed developments included in the Water Allocation Permit Prepared in 2014.

The Maximum Conditions Buildout Analysis includes the future flow from buildout projections calculated in the "Anticipated Conditions Buildout Analysis" as well as flow from underutilized parcels,

or parcels that are currently partially developed, but contain at least an additional 1.0 acres of developable land. The maximum buildout projections represent the maximum future flows that the Authority's sewer system may collect.

Instead of using NJDEP Guidelines, we used actual data from water meter records to develop flow multipliers for future single-family homes and townhomes. Currently, LTMUA sees an average of 1,000 gallons per day and 525 gallons per day from new single-family homes and townhomes, respectively. These actual averages were used for buildout calculations. Anticipated usage for other building use types were based on the NJDEP flows rates described in Section 2.6.2.

Appendix B and C contain calculations on the future flows for the anticipated and maximum buildout conditions as well as the capacity analysis for these conditions.

Based on the "Anticipated Future Flow" calculations in Appendix "B" there are 50 sewer main pipelines in the Kettle Creek Basin that will have inadequate capacities to carry the estimated peak flows from the build-out number of units that would connect upstream of them. Table No. 4-2 lists them.

Table No. 4-2
Existing Sewer Lines with Future Flow Will Have
Under Peak 4 Capacity at Anticipated Buildout Conditions in Kettle Creek Basin
(In addition to those in Table No. 4-1)

	Sheet	Street	From MH #	To MH #	Linear (Ft)	Slope (%)	Pipe Size (in)	Pipe Material	Factor 4 Peak Flow % Full
1	33	Healthcare Way	1	2	301	0.14	12	ACP	3.24
2	33	Healthcare Way	2	3	349	0.15	12	ACP	3.08
3	33	Healthcare Way	3	4	275	0.19	12	ACP	2.78
4	33	Healthcare Way	4	5	382	0.15	12	ACP	3.16
5	33	Healthcare Way	5	6	398	0.18	12	ACP	2.85
6	33	Towbin St.	6	9	315	0.22	12	ACP	3.28
7	33	Towbin St.	9	10	270	0.10	12	ACP	4.99
8	33	Towbin St.	10	11	294	0.08	12	ACP	5.46
9	33	Towbin St.	11	15	315	0.16	16	ACP	1.84
10	33	Towbin St.	15	16	175	0.55	16	ACP	1.00
11	33	Towbin St.	16	17	269	0.17	16	ACP	1.82
12	39	Towbin St.	17	16	135	0.17	12	ACP	3.89
13	40	Route 70	16	1	420	0.10	12	ACP	5.08
14	46	Dorchester Dr.	73	72	234	0.80	8	ACP	2.29
15	46	Dorchester Dr.	72	71	195	0.40	8	ACP	3.29
16	46	Dorchester Dr.	71	70	235	0.40	8	ACP	3.27
17	46	Dorchester Dr.	70	69	254	0.14	12	ACP	2.51
18	46	Dorchester Dr.	69	67	200	0.14	12	ACP	2.53

19	46	Dorchester Dr.	67	66	71	0.14	12	ACP	2.54
20	46	Dorchester Dr.	66	63	145	0.14	12	ACP	2.57
21	46	Offroad	63	52	157	0.14	12	ACP	2.58
22	46	Dorchester Dr.	52	50	349	0.85	12	ACP	1.08
23	46	Dorchester Dr.	50	48	140	0.16	12	ACP	2.46
24	46	Dorchester Dr.	48	47	235	0.14	12	ACP	2.73
25	46	Dorchester Dr.	47	29	230	0.14	12	ACP	2.66
26	46	Buckingham Dr.	29	28	38	0.14	12	ACP	2.85
27	46	Buckingham Dr.	28	27	51	0.14	12	ACP	2.84
28	46	Buckingham Dr.	27	26	270	0.15	12	ACP	2.93
29	40	Buckingham Dr.	26	70	290	0.14	12	ACP	3.00
30	40	Buckingham Dr.	70	64	378	0.14	12	ACP	3.09
31	40	Buckingham Dr.	64	30	195	0.14	12	ACP	3.02
32	40	Buckingham Dr.	30	29	255	0.15	16	ACP	1.44
33	40	Buckingham Dr.	29	28	400	0.18	16	ACP	1.29
34	40	Buckingham Dr.	28	22	310	0.20	16	ACP	1.23
35	40	Buckingham Dr.	22	23	230	0.23	16	ACP	1.24
36	38	Chestnut St.	1	4	266	0.25	12	PVC	1.45
37	38	Chestnut St.	4	5	266	0.28	12	PVC	1.43
38	38	Chestnut St.	5	6	312	0.50	12	PVC	1.07
39	38	Chestnut St.	6	8	275	0.37	12	PVC	1.26
40	38	Chestnut St.	8	9	215	0.39	12	DIP	1.61
41	32	Lisa Robyn Circle	9	5	116	0.29	12	PVC	1.47
42	32	Lisa Robyn Circle	5	6	203	0.35	12	PVC	1.35
43	39	Lisa Robyn Circle	6	1	163	0.50	12	PVC	1.13
44	39	Route 70	4	9	391.5	0.22	18	PVC	1.17
45	39	Route 70	9	10	406.8	0.09	18	PVC	1.81
46	39	Route 70	10	11	403.3	0.16	18	PVC	1.43
47	39	Route 70	11	13	355.5	0.17	18	PVC	1.48
48	39	Route 70	13	14	347	0.21	18	PVC	1.35
49	40	Route 70	33	27	342.1	0.16	24	DIP	1.04
50	40	Offroad	27	25	104	0.17	24	DIP	1.00

Table No. 4-3 lists pipelines in the Kettle Creek Region that will have inadequate capacities to carry the estimated peak flows from the build-out number of units from the Maximum Buildout Conditions Analysis. In addition to the pipelines listed above for the Anticipated Buildout Conditions, there are an additional 12 pipelines that will be under capacity at Maximum Buildout.

Additional piping under Peak 4 Capacity at anticipated build out for the North Branch and South Branch Metedeconk basins are identified in the CME Associates report. (Appendix F)

Table No. 4-3
Existing Sewer Lines with Future Flow Will Have
Under Peak 4 Capacity at Maximum Buildout Conditions in Kettle Creek Basin
(In addition to those in Table No. 4-1 and Table No. 4-2)

	Sheet	Street	From MH #	To MH #	Linear (Ft)	Slope (%)	Pipe Size (in)	Material	Factor 4 Peak Flow % Full
1	28	New Hampshire Ave.	1	2	321	0.14	16	ACP	2.28
2	28	New Hampshire Ave.	2	3	408	0.28	16	ACP	1.61
3	28	New Hampshire Ave.	3	4	192	0.14	16	ACP	2.33
4	28	Oak St.	4	5	428	0.22	16	ACP	1.87
5	28	Oak St.	5	6	429	0.22	16	ACP	1.88
6	28	Oak St.	6	7	445	0.21	16	ACP	1.93
7	28	Towbin Ave.	7	13	302	0.43	12	ACP	2.98
8	28	Towbin Ave.	13	14	298	0.41	12	ACP	3.09
9	33	Towbin Ave.	14	8	383	0.45	12	ACP	2.96
10	33	Towbin Ave.	8	7	400	0.32	12	ACP	3.52
11	33	Towbin Ave.	7	6	122	0.08	12	ACP	6.94
12	33	Healthcare Way	1	2	301	0.14	12	ACP	3.24
13	33	Healthcare Way	2	3	349	0.15	12	ACP	3.08
14	33	Healthcare Way	3	4	275	0.19	12	ACP	2.78
15	33	Healthcare Way	4	5	382	0.15	12	ACP	3.16
16	33	Healthcare Way	5	6	398	0.18	12	ACP	2.85
17	33	Towbin St.	6	9	315	0.22	12	ACP	6.81
18	33	Towbin St.	9	10	270	0.10	12	ACP	10.37
19	33	Towbin St.	10	11	294	0.08	12	ACP	11.30
20	33	Towbin St.	11	15	315	0.16	16	ACP	3.76
21	33	Towbin St.	15	16	175	0.55	16	ACP	2.04
22	33	Towbin St.	16	17	269	0.17	16	ACP	3.72
23	39	Towbin St.	17	16	135	0.17	12	ACP	7.93
24	40	Route 70	16	1	420	0.10	12	ACP	10.35
25	46	Dorchester Dr.	73	72	234	0.80	8	ACP	2.29
26	46	Dorchester Dr.	72	71	195	0.40	8	ACP	3.29
27	46	Dorchester Dr.	71	70	235	0.40	8	ACP	3.27
28	46	Dorchester Dr.	70	69	254	0.14	12	ACP	2.51

29	46	Dorchester Dr.	69	67	200	0.14	12	ACP	2.53
30	46	Dorchester Dr.	67	66	71	0.14	12	ACP	2.54
31	46	Dorchester Dr.	66	63	145	0.14	12	ACP	2.57
32	46	Offroad	63	52	157	0.14	12	ACP	2.58
33	46	Dorchester Dr.	52	50	349	0.85	12	ACP	1.08
34	46	Dorchester Dr.	50	48	140	0.16	12	ACP	2.46
35	46	Dorchester Dr.	48	47	235	0.14	12	ACP	2.73
36	46	Dorchester Dr.	47	29	230	0.14	12	ACP	2.66
37	46	Buckingham Dr.	29	28	38	0.14	12	ACP	2.85
38	46	Buckingham Dr.	28	27	51	0.14	12	ACP	2.84
39	46	Buckingham Dr.	27	26	270	0.15	12	ACP	2.93
40	40	Buckingham Dr.	26	70	290	0.14	12	ACP	3.00
41	40	Buckingham Dr.	70	64	378	0.14	12	ACP	3.09
42	40	Buckingham Dr.	64	30	195	0.14	12	ACP	3.02
43	40	Buckingham Dr.	30	29	255	0.15	16	ACP	1.44
44	40	Buckingham Dr.	29	28	400	0.18	16	ACP	1.29
45	40	Buckingham Dr.	28	22	310	0.20	16	ACP	1.23
46	40	Buckingham Dr.	22	23	230	0.23	16	ACP	1.24
47	38	Chestnut St.	1	4	266	0.25	12	PVC	2.51
48	38	Chestnut St.	4	5	266	0.28	12	PVC	2.43
49	38	Chestnut St.	5	6	312	0.50	12	PVC	1.82
50	38	Chestnut St.	6	8	275	0.37	12	PVC	2.14
51	38	Chestnut St.	8	9	215	0.39	12	DIP	2.72
52	32	Lisa Robyn Circle	9	5	116	0.29	12	PVC	2.45
53	32	Lisa Robyn Circle	5	6	203	0.35	12	PVC	2.25
54	39	Lisa Robyn Circle	6	1	163	0.50	12	PVC	1.88
55	39	Route 70	4	9	392	0.22	18	PVC	1.56
56	39	Route 70	9	10	407	0.09	18	PVC	2.40
57	39	Route 70	10	11	403	0.16	18	PVC	1.88
58	39	Route 70	11	13	356	0.17	18	PVC	1.83
59	39	Route 70	13	14	347	0.21	18	PVC	1.67
60	39	Route 70	14	15	404	0.11	24	PVC	1.06
61	40	Route 70	33	27	342	0.16	24	DIP	1.27
62	40	Offroad	27	25	104	0.17	24	DIP	1.21

Additional piping under Peak 4 Capacity at maximum build out for the North Branch and South Branch Metedeconk basins are identified in the CME Associates report. (Appendix F)

It should be noted that many of these undersized mains are attributed to a few larger development areas such as Pine Acres and areas along New Hampshire Avenue and Towbin Avenue in the Industrial Park Area. These areas have both vacant lands and developed parcels. It is anticipated that existing single-family homes with septic systems will be connected to the sewer system and generate 1,000 gallons per day. New single-family homes developed in these areas are also anticipated to generate 1,000 gallons per day.

An avenue for gaining pipe capacity in existing pipe runs would be replacing those made of Asbestos Cement Pipe (ACP) to Polyvinyl Chloride Pipes (PVC) which would take advantage of the PVC pipe lower friction factor and therefore higher flow capacity. For example, an 8" diameter ACP pipe at 0.40% slope has a capacity of 494,580 gpd, where the pipe made of PVC would have a capacity of 642,954 gpd. That difference of 148,374 gpd could serve an additional 123 residential units at peak flow.

The feasibility of reconstructing sewer mains on an existing individual pipe run from manhole to manhole will depend on site variables, such as, ground surface restoration, excavation difficulties with other utilities, and traffic control costs where streets have to be disturbed during construction.

The capacity evaluation did not indicate undersized piping for upstream and downstream pipe segments that are connected to the above referenced manholes. These pipelines should be evaluated to see how any changes in slope and pipe diameter segments may impact their self-cleaning velocity.

An alternate to complete replacement of ACP pipe would be applying a thin coating or lining system on the interior walls of the existing pipe. This lining will be smooth providing a friction factor similar to PVC pipe and thereby give the pipe increased capacity accordingly.

Another alternate to pipe replacement would be designing new collector pipelines that could accept diverted flow from those under capacity pipelines.

4.2 Extension Pipeline Analysis

Build-out flow projections for areas that are not currently sewered were assumed to contribute flows in adjacent areas based upon topography. The following subareas were assumed to contribute flows to a nearby manhole in an area that is currently sewered. These areas are described below and named after the manhole that they will connect to.

Additional Flows to Manhole FC28-MH001

This area is bounded by New Hampshire Avenue and Vine Avenue to the West and East, respectively. The northern boundary is Read Place and the area is bounded to the south by Oak Street.

Additional Flows to Manhole C33-MH001

This area is bounded by New Hampshire Avenue and Vine Avenue to the West and East, respectively. The northern boundary is Oak Street and the area is bounded to the south by Salem Street.

Additional Flows to Manhole FA38-MH001

This area is bounded by Lisa Robin Circle and New Hampshire Avenue to the East, Vine Avenue to the West, Route 70 to the south and Salem Street to the North.

Pine Acres - Flows to Manhole FC46- MH073

The sewer capacity analysis calculations sheets included in Appendix B and C include projected flows from, these areas. Where existing downstream pipelines have insufficient capacity, they were added to the list on Tables No. 4-2 & and 4-3. Recommendations for sewer extensions to serve these areas are described in Section 7.0.

4.3 Recommendations –

4.3.1 Future Service Areas

The existing services areas of the Authority are described in Section 1.2 and it covers the total area of the eastern part of Lakewood Township. However, on the westerly-proposed limits of the Authority area are parts of the New Jersey American Water Company sewer service area that could be changed to flow into the Authority system.

The 2003 Master Plan has indicated the "Future Expansion of the Service" which includes a single-family residential home area; multifamily homes and commercial properties along Route 9 from Idalia Avenue to the north and to Locust Street to the south. The Authority conducted a feasibility study to determine the possibility of extending its 12" diameter gravity main on Chestnut Street 2,400 LF west to the manhole in front of the NJAW Co. pump station site near Mountainview Drive. If the manhole was connected to the LTMUA system, the pump station could be eliminated. The results of the feasibility study were presented to NJAW, however NJAW was not in agreement with the proposal.

4.3.2 Standards for System Extensions by Developers

The Authority regulation for construction of sewer main extensions are in accordance with the New Jersey Administrative Code, Title 5, Chapter 21, Subchapter 6, Sanitary Sewers.

These regulations are the "Residential Site Improvement Standards" (R.S.I.S.) last revised on December 16, 2002 by the State for development construction standards. They can be further amended by the Authority to exceed the State standards by agreement with the developer where desirable under specific circumstances.

The Authority "Rules and Regulations Governing Applications for Water or Sewer Service within the Authority's Service Area", sets the standards of materials, construction details, and testing requirements for work on the Authority Sewer System. These standards where they exceed the R.S.I.S. have been acceptable for contractors and developers with agreements prior to construction.

The current regulations require the following sewer construction materials:

Pipe:	PVC SDR 35
	DIP CL 52 or CL 51, Polylined
	RCP ASTM C76, Class III, Wall B
Manhole:	Concrete ASTM C478

As discussed in Section 2.8 the current most recommended pipe material, PVC, is being used for new development construction which should provide the longest useful life and lowest friction factor for most efficient system flow characteristics.

4.3.3 Interceptor upgrades by Ocean County Utilities Authority

The regional sewage interceptor pipelines and treatment plant agency, the Ocean County Utilities Authority, has no immediate plans to increase sizes of their interceptor pipelines or the Northern Wastewater Treatment Facility that serves Lakewood.

When expansion of their northern service area with further development and housing occurs, the County will have to plan on gradual increases to the plant capacity and may need to add interceptors. This could be done either parallel pipes alongside existing pipelines or completely new routes to service larger areas with collector mains to the most practical gravity flow systems and avoiding pumping systems where possible.

5.0 System Operations

5.1 Control and Maintenance

The Authority sewer system of approximately 407,000 LF and 2 pumping systems are operated by the licensed sewer collection system operators employed by the Authority. The administrative offices of the Authority by promulgating regulations controls the use of the sewer system by customer users.

Of all public utilities, sewer systems probably are the most abused through misuse. This situation results from a misconception that a sewer can be used to carry away any unwanted substance or object that can be put into it. The absence of adequate regulations setting forth proper uses and limitations of the system and the lack of enforcement of existing regulations by those responsible for operation of the system tend to foster such a misconception. Abuse of the sewer system can result in extensive damage and compound the problems of wastewater treatment. Without proper maintenance and control, a sewer system may become a hazard to the public safety and increase operating costs unnecessarily.[1]

The following are common consequences of sewer system misuse:

a) Explosion and fire hazards resulting from discharge of explosive or flammable substances into the system.

b) Sewer clogging by roots and accumulations of grease, grit, and miscellaneous debris.

c) Physical damage to sewer systems resulting from discharge of corrosive or abrasive wastes.

d) Surface and groundwater overload resulting from improper connections to sanitary sewers.

e) Watercourse pollution resulting from discharge of sewage to storm sewers.

f) Interference with sewage treatment resulting from extreme wet- weather flow of from wastes not amenable to normal treatment processes.[1]

Sewer Maintenance

The sewer maintenance program involves continuous inspection of the sewer system including appurtenances and should cover each section with reasonable frequency to accomplish the early detection and prevention of stoppages, deterioration or faulty operation. Sewer maintenance is probably the most important function of the operation of a sewer system, but it is usually considered the least pleasant and most tedious.

The prime requisite for efficient sewer maintenance is an up-to-date plan of the system with sufficient survey measurements to permit a cleaning crew to locate manholes promptly when needed. Areas where there has been recurrence of trouble should be clearly marked. Field notes should be kept to refresh the crew as to the nature of past trouble. The practice as to the frequency of routine inspection varies according to size and age of systems, the extent of past troubles and quite often, by the personnel available for the job. Most sewer maintenance programs give first attention to sewers which by records show poor performance, usually as a result of flat grades or tree roots. If personnel are available, it would be desirable to have routine inspections as follows:

Large trunk sewers	Annually
Smaller sub-trunk sewers	Semi-annually
Lateral sewers	Every three months

The program should carry out the following objectives:

1. Inspections of sewers and appurtenances, including testing of manholes and structures for hazardous gases, particularly toxic types.
2. Cleaning.
3. Repairs.
4. Checking for sources of infiltration and surface waters entering a sanitary sewer system.
5. Checking for sources of unusual amounts of industrial wastes

The most common obstructions in sewers, in the order of greatest frequency are: (1) roots, (2) accumulations of grease, (3) grit, (4) miscellaneous debris.[2]

Sewage Pumping Stations

Regular inspections and cleaning of the bottom sides of wet wells including the removal of grit are desirable. Floats in wet wells used to control pump operation require frequent inspection to assure proper operation. Trash baskets installed in wet wells should be cleaned regulatory at which time inspection should be made of all pumps and mechanical equipment.[2]

Cleaning of Sewers

The most common method of removing roots from sewers is by use of flexible type rods with cutters or jetting. Roots may also be removed with the use of winches and cables using cutting drags. Attempts have been made in many areas to control the growth of roots by use of copper sulfate. Some cities have repaired sewer joints where there is a recurrence of root trouble. The only positive cure is to remove trees

causing the trouble. In some instances, control of planting poplar and willow trees which are the worst offenders has been attempted.

Accumulation of grease is normally removed by jet vacuum track flushing, by use of rods and cutters, or by means of winches using cable with buckets.

Grit in small quantities may be removed by flushing. Larger quantities must be removed with the use of winches with cable and buckets or vacuuming. Grit may also be removed by means of "go-devils" or turbine type agitators. In both cases water is used as the vehicle to carry the sand and grit. The grit problem in some sewers may be aggravated because of the increased use of garbage grinders. Miscellaneous debris is usually removed by a combination of jet vacuuming rods and cutters or augers. [2]

In many sewer cleaning operations, it is a general policy to finish by pulling through the sewer a stiff wire mesh which fits tightly and scours the entire periphery of the sewer. There are several specialized methods of cleaning sewer such as by the use of a sewer hoe, beach ball, or one of several power or water jet operated revolving devices. If the equipment gets caught in a sewer, it may be necessary to excavate and cut into the sewer to remove the equipment.

Such a practice is very costly and should be a reminder to use equipment which has been designed to be as near fool proof as possible. Experience will establish the best means and methods of sewer cleaning.[2]

Sewers are constructed for the purpose of protecting health, welfare, and convenience of the public and every effort should be made to maintain sewers in a manner to minimize inconvenience.[2]

Probably no other public utility is misused to so great a degree as is a public sewerage system, and the Authority has regulations with which to provide some degree of control. The regulations provide for the control of connections to the system, materials which may be discharge into sewers, quantities which may be discharged arid penalties for violations of the regulations as well as for malicious damage by vandals.[2]

Emergency Response

The present Authority procedures on emergency response to sewer system breakdowns and notifications is as follows:

1. An emergency call is made during working hours to the Authority administrative office or during off- hours from the alarm company or Township police department.
2. Maintenance operators on call are contacted by telephone, pager or radios.
3. Maintenance operators respond to the call by going to the sites in Authority vehicles and determine the breakdown and assess the repairs needed. Where Ocean County Health Department and N.J.D.E.P. notification is necessary, calls are made.
4. Maintenance department makes any routine minor repairs or calls a service. company on call within an hour to do emergency major repairs. The Superintendent, Authority Engineer, and Executive Director are notified. The accounting department processes necessary purchase and work orders. The Authority Engineer, or Executive Director may be called where property owners or business officers need contact to resolve repair work requirements.

5. Maintenance department supervises repairs and when complete prepares report for Authority records, and reviews emergency contractor work billing for payment authorizations.

The Authority administration office keeps records of repairs and the engineering department has repair data recorded for as-built plans maintenance use.

5.2 Regulatory Compliance

The Authority sewer system was constructed and is operating under the rules and regulations of the New Jersey Department of Environmental Protection. (NJAC 7:14-2 and 7:14A-22 and 23) As new developments or service area extensions are planned, applications for construction and operation are submitted to the State for permits to conform to regulations.

The regional authority, Ocean County Utilities Authority, also regulates the allowable wastes that can flow into the system and be treated at the sewage treatment plant. Industries have to install test sampling and flow measurement manholes on their service lines for periodic checking by the County. Their "Rules and Regulations" were last revised on December 27, 1995.

The State annually sends inspectors to sewer systems and checks manholes and pump stations for operation regulations conformity. As their regulations are updated their inspectors advise on added equipment or changed operating methods that would be needed to conform to all current rules. Where major work with high costs is required, the State would work with the Authority on a schedule to budget for the needed improvements to be - done within a reasonable time period.

5.3 Inflow & Infiltration Prevention

Inflow and infiltration are extraneous flows that consists of water that is other than wastewater that flows into the sanitary sewer system that should be stopped to decrease treatment costs, lower maintenance on the system, and keep the pipeline flows within capacity.

Infiltration can be prevented by keeping the pipe joints and manhole walls from leaking. Inflow can be prevented by stopping illegal sump pumps; roof and area drainage pipes, and storm drainage -cross connections. Rainfall induced flows should be prevented from entering the sanitary sewer by keeping pressurized groundwater from entering the system through pipeline and manhole leaks.

6.0 Infiltration and Inflow (I/I) Metering

6.1 Flow Metering Program

In the Spring of 2014, the Lakewood MUA conducted a system-wide evaluation to identify areas with excessive extraneous flows from inflow and infiltration (I/I) within its sanitary sewer collection system. The study consisted of sub-dividing the collection system into twenty-three (23) smaller basins and metering each basin to obtain actual sewage flows. A report developed by Flow Assessment dated May 2014 submitted as an appendix to this report. The report contains a summary of the daily flow and a summary graph. The summary presents minimum, peak and total daily flow during the six-week time period of the study from April 24, 2014 to June 3, 2014. A map of the basins is provided in Appendix C and shows existing sewer pipelines, basin identifications of tributary areas, and boundary lines.

The dry weather and wet weather flow levels, velocities, and rate were calculated. The meters used were placed in manholes chosen based on their accessibility and suitability for metering. The rainfall data was collected by a tipping bucket type rain gauge installed at the Leisure Village maintenance yard on Buckingham Drive in Lakewood, NJ. It is noteworthy to mention that during the time of the metering study, there was a significant rain event (3.55 inch) on the date of April 30, 2015.

The daily flows presented in this report were used as an indication of the existing flow. The existing flow includes actual residential flow, industrial flow and commercial flow and well as the I/I.

6.2 Location Planning

Location for the meters were chosen to provide measurements from large tributary areas. The following list of locations in the I&I Report are identified by basin service areas:

Site	Location	Meter
A19 MH003	Swarthmore Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 14" diameter line.
A20 MH001	1935 Swarthmore Avenue	Area Velocity Flow Meter installed in an existing 14" diameter line.
A36 MH008	900 Shorrock Street	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
A36 MH017	Shorrock Street R.O.W. (Behind Shopping Plaza)	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
A36 MH021	900 Shorrock Street R.O.W.	Area Velocity Flow Meter installed in an existing 24" diameter line.
AH40 MH024	Buckingham Drive R.O.W. (Leisure Village Maintenance Yard)	Area Velocity Flow Meter installed in an existing 16" diameter line.
AH40 MH025	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 24" diameter line.
AH41 MH017	900 Shorrock Street R.O.W. (Behind Plaza)	Area Velocity Flow Meter installed in an existing 8" diameter line.
C13 MH015 Downstream	Lanes Mill Road R.O.W.	Area Velocity Flow Meter installed in an existing 10" diameter line.
C33 MH017	Towbin Avenue	Area Velocity Flow Meter installed in an existing 12" diameter line.
C46 MH047	Buckingham Drive (Between 54A & 56F)	Area Velocity Flow Meter installed in an existing 12" diameter line.
F09 MH020	Lanes Mill Road	Level Meter installed with an 8" Palmer- Bowlus Flume in an existing 12" diameter line.

FA14 MH016	New Hampshire Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 18" diameter line.
FA16 MH002	1444 Ocean Avenue	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 10" diameter line.
FA41 MH002	Route 70 Leisure Chateau Rehab Center	Area Velocity Flow Meter installed in an existing 8" diameter line.
FA41 MH010	Route 70 Best Western at Rear in R.O.W.	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
FC03 MH014	1261 Ventura Drive	Area Velocity Flow Meter installed in an existing 12" diameter line.
FC06 MH015	East County Line Road at Redondo Lane	Level Meter installed with an 8" Palmer- Bowlus Flume in an existing 8" diameter line.
FC15 MH06A	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 15" diameter line.
FC15 MH007	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 12" diameter line.
FC40 MH028	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 16" diameter line.
FC57 MH026	1400-1426 Shorrock Street	Area Velocity Flow Meter installed in an existing 10" diameter line.
FC57 MH031	Shetland Drive (Near #1031)	Area Velocity Flow Meter installed in an existing 12" diameter line.

6.3 Methodology

Infiltration and Inflow (I/I) for the sewer sub basin service area (identified above) in the Kettle Creek area were calculated. Total daily flow data for June 3, 2014 was selected to represent the average Dry Weather Flow for each sub-basin. This date was six days after a rain event and represents typical flow for unsaturated ground conditions. The maximum flow is the maximum total daily flow recorded by the flow meter for each sub basin during the six week metering period. The difference between the maximum daily flow and the average Dry Weather flow represents the total infiltration and inflow for a sub basin. The results given below are provided in million gallons per day per inch diameter mile.

6.4 Results

The results of the I/I analysis are provided in Infiltration and Inflow Summary Table below. Standards for excessive I/I is are typically unique to geographic areas and dependent on soil and topography conditions, area served by the collection system, workmanship in constructing the collection system, groundwater elevation, and to a certain extent, the population served. The Massachusetts Department of Environmental Protection document "Guidelines for Performing I/I Analyses" recommends sewer subsystems of about 20,000 linear feet that exhibit infiltration rates above 4000 gpd/idm be investigated

for contributing potentially excessive infiltration. Based on this criteria, the sub basins in the Kettle Creek area do not exhibit excessive levels of I/I. However, relative to linear footage, Sub basins C46-MH047, A40-MH025, FC40-MH028 should be metered again in a 5 to 10 year period to see if excessive infiltration and flow is present. In addition, the meter located in Sub basin FA41-MH002 which is located at the Route 70 Leisure Chateau Rehab Center shows evidence of excessive I/I and should be evaluated further.

Sub-Basin	Linear Feet	Dry Weather Flow (mg) Date: 6/3/2014	Average Flow (mg)	Maximum Flow(mg)	Max I&I (mg)	I&I (gpd/in-dia-mi)
FC57-MH026	50817	0.068	0.121	0.146	0.078	976
C46-MH047	25007	0.030	0.110	0.181	0.151	3637
A40-MH025	58795	0.132	0.430	0.519	0.387	3248
FC40-MH028	29879	0.036	0.164	0.192	0.156	3013
A41-MH017	2646	0.005	0.010	0.015	0.010	2494
A36-MH021	59417	0.139	0.289	0.321	0.182	1856
C33-MH017	11861	0.029	0.094	0.146	0.117	4349
A40-MH024	6735	0.039	0.173	0.209	0.170	13373
A36-MH008	1350	0.001	0.003	0.005	0.004	1956
FA41-MH10	1475	0.010	0.019	0.026	0.016	7159
FA41-MH002	477	0.004	0.014	0.022	0.018	24906
A36-MH017	590	0.000	0.001	0.002	0.002	0

Infiltration and Inflow metering for the North Branch and South Branch Metedeconk basins are included within the CME Associates report. (Appendix F)

7.0 Recommendations for a Capital Improvements Plan

7.1 Collection System Recommendations

The data obtained from the metering study, I/I analysis, buildout study and capacity analysis indicate that there should be improvements made to the Authority's system to accommodate additional flow in the Kettle Creek Region of the Authority's sewer service area.

The following areas are recommended for construction to mitigate exiting deficiencies in pipeline capacities. Tables 7-2 and 7-3 indicate pipelines that are under capacity at "Anticipated Buildout" and "Maximum Buildout Conditions" as defined in Section 4.0.

Table 7-1
Mitigating Existing Capacity Deficiencies in Kettle Creek Basin

	Sheet	Street	From MH #	To MH #	Linear (Ft)	Pipe Size	Pipe Material

						(in)	
1	40	Buckingham Drive	25	30	1113	12	ACP

Table 7-2 Recommended Pipe Replacement of Undersized Pipelines at Anticipated Buildout Conditions In Kettle Creek Basin

	Sheet	Street	From MH #	To MH#	Linear (Ft)
1	33	Healthcare Way	C33-MH001	F33- MH086	1705
2	33	Towbin St.	F33-MH006	FA39-MH017	1773
3	39	Dorchester Dr.	FC46-MH073	C46-MH029	2445
4	40	Buckingham Dr.	C46-MH029	FC40-MH022	2417
5	38	Chestnut St.	F38-MH001	F38-MH009	1403
6	38	Lisa Robyn Circle	FA38-MH009	A39-MH001	482
7	39	Route 70	A39 MH-004	A39-MH014	1904
8	40	Route 70	A34 MH-033	A40-MH025	447

Table 7-3 Recommended Pipe Replacement of Undersized Pipelines at Maximum Buildout Conditions (In Kettle Creek Basin In addition to Table No. 2)

	Sheet	Street	From MH #	To MH#	Linear (Ft)
1	28	New Hampshire Avenue	FC28-MH001	FC28-MH004	921
2	28	Oak Street	FC28-MH004	A28-MH007	1302
3	39	Chestnut St.	A39-MH014	A39-MH014	404

Additional recommended pipe replacements for the North Branch and South Branch Metedeconk basins are identified in the CME Associates report. (Appendix F)

7.2 Recommended Pipeline Extensions to Unsewered Areas

Extensions of pipelines are recommended to Authority to construct for the future service to unsewered areas, that presently have individual septic systems for existing homes and for extensions to provide points of connections for others to extend to undeveloped areas.

The Pine Acres Boulevard area system will serve the most existing single-family housing units (391) and the cost of construction being returned with the new connection fees and user charges would be most beneficial. Based on both the Anticipated and Maximum Buildout Conditions, the connection of 395 future units would result in undersized pipelines along Dorchester Drive and Buckingham Drive, if a pipeline extension would connect to existing manhole F46-MH073 in the Pine Acres Area. It recommended that the Authority conduct an evaluation on the impacts of dividing the flow contribution

from Pine Acres into two existing pipelines, to determine if this additional flow can be accommodated with existing pipelines, without increasing capacity by constructing new pipelines.

Another unsewered areas in the Kettle Creek Region include existing single-family units that are unsewered is the nine blocks west of New Hampshire Avenue to Albert Avenue, with Pine Street to the North and Salem Street to the South. Based on the results of both buildout analysis and the projections in the Smart Growth Plan there is a high potential for growth in this area. The construction of sewer mains to this area could be done in stages since there are three extensions from different connections to existing lines that could be used. The LTMUA should consider impacts of redevelopment and increased flow from these areas as it relates to capacity of existing sewers.

7.3 Pump Station Recommendations

The Leisure Village East Station was discussed Section 2.3 of this report. No budget recommendations are needed for upgrading in the near future for this station, however, for routine maintenance, repairs, and periodic equipment upgrades the Authority should budget a yearly amount of between $30,000 and $40,000. However, LTMUA should consider the impacts of redevelopment and increased flow from these areas as it relates to capacity of the existing sewers.

8.0 Conclusion and Recommendations

8.1 – Kettle Creek Basin

Based on the data presented and analyzed for this study it can be concluded that the Lakewood Township Municipal Utilities Authority Sanitary Sewer System has performed well in the many years of operation and breakdowns needing repairs have been minimal.

Routine regular maintenance and monitoring for blockages has been done successfully by the Authority operations staff. However, as new developments were built in the system service area the capacities of the collection system original pipelines have become insufficient in some areas.

It is recommended that those original pipelines that are inadequate be replaced with larger diameter new PVC mains at the greatest slopes available in the location. In some areas, new major collection mains will have to be constructed to provide adequate capacity from the new areas to the O.C.U.A. interceptors.

The Authority should review their annual budgets to see where funding would have priority. The list of mains needing repairs should have the initial priority and then subsequently mains needing capacity increases, then mains to extremities of service area to service existing homes and allow vacant areas to be occupied, and finally mains to serve future developed areas.

System operations and maintenance by the Authority should continue to keep the pipelines and pump stations in good working order. It is, however, recommended that the Authority establish a plan to complete all pipeline cleaning and televising. Due to the aging mains needing to be cleaned more often, it may be beneficial for the Authority to purchase its own jet vac cleaning truck and pipeline televising equipment truck. These trucks with trained employees could be assigned to clean various areas on a routine basis and would always be ready for emergency service to clear stoppages.

A capital improvements program is recommended to the Authority to have long term planning to budget funds term planning to budget funds for repairs, maintenance, replacement mains, and for mains to unsewered areas.

The "Master Sewer System Plan" Appendix No. 1 is a document that the Authority can use as its official master plan. When approved, the Authority can provide copies to other agencies and new developers to show where future pipeline extensions are required, and their sizes needed for build out capacities to the Authority service area limits.

The Authority has an efficient sewage collection system and can enhance administration of it with the information provided .in this report and with planning the recommended improvements described.

8.1 – North Branch Metedeconk and South Branch Metedeconk Basins*

The study completed by CME Associates for the North Branch and South Branch Metedeconk basins concluded the majority of the existing sanitary sewer lines within the study area are currently more than adequate to service existing flows and those expected to be added within the next few years. The study included a list of potentially back-pitched pipes that the LTMUA should address as soon as possible.

The Region 7 trunk lines along Oberline Avenue, Vasser Avenue, and Airport Road (in the Industrial Park) may need to be upgraded in the future due to continued expansion of uses within the Park as well as potential development in the Oak Street Core. Currently composed of 8”, 10” and 12” diameter piping. These mains should be targeted for upgrade in the event of any heavy future development of the Industrial Park and Oak Street Core.

The trunk lines in Region 6, especially along New Hampshire Avenue and along Pine Street will need to be upgraded if the projected growth within the Smart Growth Plan is executed. These developments have the potential to generate enormous sanitary sewer flows if realized, and the need for these upgrades should be accounted for in any future large-scale development plans.

Extending sewer service areas between Brook Road and Ridge Avenue will likely be a component when determining future development potential in the same areas. In the event that these areas are developed, upgrades to the trunk lines along County Line Road East (and Hermosa Drive) will need to be explored to upgrade their capacity.

***All of the recommendations and conclusions determined by CME Associates for the North Branch and South Branch Metedeconk basins can be found in their report. (Appendix F)**

Bibliography

1. "Design and Construction of Sanitary and Storm Sewers" by the Water Pollution

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2. "Manual of Instructions for Sewage Treatment Plant Operators" by the Health

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3. "Comprehensive Sanitary Sewer Study" by Calm, Inc., Voorhees, NJ, 1984.

4. "Report on the Feasibility Study on the Woodlake Lift Station Rehabilitation" by

LGA Engineering, Brick, NJ, 2001.

5. "What Lies Beneath" by Larsen, Marguez, Nicholas, andHerde, Pompano Beach, FL,

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6. "Wastewater Collection System Management" by the Water Environment Federation, Alexandria, VA, 1999.

Appendix A Sewer Chart- Present Calculations

LTMUA SEWER CHART PRESENT CALCUATIONS

What is in line

SHEET	SHEET (End)	LOCATION	RIM	FROM	TO	Units	TOTAL Units	UNIT FLOW	Total	CUM. FLOW	SANITARY SEWER PROFILE				PIPE INFORMATION			GPD		GPD	
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Ventura Drive	28.20	1	2	5	5	300	1500	1500	300	24.40	23.20	0.40	8	ACP	0.013	493815	0.00	123454	0.01
3	3	Ventura Drive	26.83	2	3	5	10	300	1500	3000	270	22.76	21.66	0.41	8	ACP	0.013	498366	0.01	124592	0.02
3	3	Ventura Drive	27.13	3	4	6	16	300	1800	4800	300	21.66	20.46	0.40	8	ACP	0.013	493815	0.01	123454	0.04
3	3	Ventura Drive	25.63	4	5	5	21	300	1500	6300	300	20.46	19.26	0.40	8	ACP	0.013	493815	0.01	123454	0.05
3	3	Ventura Drive	25.49	5	6	4	25	300	1200	7500	212	19.26	18.41	0.40	8	ACP	0.013	494397	0.02	123599	0.06
3	3	Coronado Street	28.39	9	8	5	5	300	1500	1500	200	22.41	21.21	0.60	8	ACP	0.013	604797	0.00	151199	0.01
3	3	Coronado Street	27.55	8	7	5	10	300	1500	3000	300	21.21	19.41	0.60	8	ACP	0.013	604797	0.00	151199	0.02
3	3	Coronado Street	25.71	7	6	3	13	300	900	3900	250	19.41	18.41	0.40	8	ACP	0.013	493815	0.01	123454	0.03
3	3	Ventura Drive	24.18	6	13	5	43	300	1500	12900	350	18.41	17.01	0.40	8	ACP	0.013	493815	0.03	123454	0.10
2	2	Ridge Avenue	30.90	20	21	3	3	300	900	900	260	26.83	25.53	0.50	8	ACP	0.013	552102	0.00	138025	0.01
2	2	Ridge Avenue	29.70	21	22	4	7	300	1200	2100	360	25.53	24.09	0.40	8	ACP	0.013	493815	0.00	123454	0.02
2	2	Delmar Road	27.91	22	23	5	12	300	1500	3600	300	24.09	22.89	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	3	Delmar Road	28.93	23	10	8	20	300	2400	6000	400	22.89	20.45	0.61	8	ACP	0.013	609816	0.01	152454	0.04
3	3	Delmar Road	26.89	10	11	6	26	300	1800	7800	400	20.45	19.25	0.30	8	ACP	0.013	427656	0.02	106914	0.07
2	2	Todd Court	44.86	18	17	4	4	300	1200	1200	80	41.17	40.85	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	2	Todd Court	45.36	17	16	6	10	300	1800	3000	303	40.85	39.64	0.40	8	ACP	0.013	493407	0.01	123352	0.02
2	2	Todd Court	46.91	16	14	2	12	300	600	3600	250	39.64	38.64	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	2	County Line Road East	50.00	14	15	2	53	300	600	24600	151	38.56	38.12	0.29	8	ACP	0.013	421475	0.06	105369	0.23
2	5	County Line Road East	49.48	15	23	0	53	300	0	24600	145	38.12	37.54	0.40	8	ACP	0.013	493815	0.05	123454	0.20
2	2	Scott Court	43.68	19	25	5	5	300	1500	1500	200	39.68	38.88	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	5	Scott Court	44.68	25	23	5	10	300	1500	3000	385	38.88	37.54	0.35	8	ACP	0.013	460634	0.01	115159	0.03
5	5	Lanes Mill Road	?	16	17	5	5	300	1500	1500	400	42.64	41.84	0.20	8	ACP	0.013	349180	0.00	87295	0.02
5	5	Lanes Mill Road	47.70	17	18	2	7	300	600	2100	154	41.84	41.53	0.20	8	ACP	0.013	350312	0.01	87578	0.02
5	5	Lanes Mill Road	48.60	19	18	4	4	300	1200	1200	228	41.99	41.53	0.20	8	ACP	0.013	350708	0.00	87677	0.01
5	5	Alvarado Avenue	47.92	18	*/	2	13	300	600	3900	125	41.53	41.28	0.20	8	ACP	0.013	349180	0.01	87295	0.04
5	5	Alvarado Avenue	47.90	20	21	5	18	300	1500	5400	360	41.28	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.04
5	5	Pasadena Street	47.60	25	24	6	6	300	1800	1800	260	42.18	41.14	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Pasadena Street	46.60	24	21	3	9	300	900	2700	325	41.14	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	5	Alvarado Avenue	46.05	21	22	4	31	300	1200	9300	250	39.84	38.84	0.40	8	ACP	0.013	493815	0.02	123454	0.08
5	5	Alvarado Avenue	46.20	22	23	6	37	300	1800	11100	325	38.84	37.54	0.40	8	ACP	0.013	493815	0.02	123454	0.09
5	6	County Line Road East	49.06	23	1	0	100	300	0	38700	340	37.54	36.18	0.40	8	ACP	0.013	493815	0.08	123454	0.31
5	6	Cindy Court	47.85	29	5	10	10	300	3000	3000	396.9	40.91	39.32	0.40	8	ACP	0.013	494188	0.01	123547	0.02
6	6	Cindy Court	49.83	5	4	2	12	300	600	3600	321.7	39.32	38.03	0.40	8	ACP	0.013	494428	0.01	123607	0.03
6	6	Cindy Court	50.80	4	3	4	16	300	1200	4800	153.3	38.03	37.41	0.40	8	ACP	0.013	496545	0.01	124136	0.04
6	6	Cindy Court	49.30	3	1	3	19	300	900	5700	206.8	37.41	36.18	0.59	8	ACP	0.013	602159	0.01	150540	0.04
6	6	County Line Road	47.40	2	1	2	2	300	600	600	200	42.50	41.70	0.40	8	ACP	0.013	493815	0.00	123454	0.00
6	3	Hermosa Drive	47.80	1	23	3	124	300	900	45900	296	36.18	35.00	0.40	8	ACP	0.013	492980	0.09	123245	0.37
3	3	Carmel Court	39.83	24	23	6	6	300	1800	1800	357	36.43	35.00	0.40	8	ACP	0.013	494160	0.00	123540	0.01
3	3	Hermosa Drive	42.74	23	22	4	134	300	1200	48900	254	35.00	33.98	0.40	8	ACP	0.013	494786	0.10	123696	0.40
3	3		39.92	22	19	2	136	300	600	49500	319	33.98	24.87	2.86	8	ACP	0.013	1319465	0.04	329866	0.15

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Mendocino Court	35.83	21	20	5	5	300	1500	1500	100	29.34	28.37	0.97	8	ACP	0.013	768989	0.00	192247	0.01
3	3	Mendocino Court	34.83	20	19	6	11	300	1800	3300	350	28.37	24.87	1.00	8	ACP	0.013	780790	0.00	195197	0.02
3	3	Hermosa Drive	31.33	19	18	1	148	300	300	53100	281	24.87	23.46	0.50	8	ACP	0.013	553083	0.10	138271	0.38
3	3	Hermosa Drive	29.71	18	11	1	149	300	300	53400	244	23.46	22.00	0.60	8	ACP	0.013	603970	0.09	150993	0.35
3	3	Del Mar Road	28.48	11	12	7	182	300	2100	63300	363	19.25	18.16	0.30	10	ACP	0.013	775748	0.08	193937	0.33
3	3	Del Mar Road	26.32	12	13	5	187	300	1500	64800	383	18.16	17.01	0.30	10	ACP	0.013	775730	0.08	193932	0.33
3	3	Ventura Drive	24.04	13	14	5	235	300	1500	79200	324	17.01	16.30	0.22	12	ACP	0.013	1077624	0.07	269406	0.29
3	3	offroad	22.04	14	15N	0	235	300	0	79200	130	16.30	16.01	0.22	12	ACP	0.013	1087272	0.07	271818	0.29
3	3		24.00	15N	OCUA	0	235	300	0	79200	30	16.01	15.94	0.22	12	ACP	0.013	1087896	0.07	271974	0.29
3	3	ABANDONED	25.70	16	17	0	0	300	0	0	400	14.85	13.97	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
3	6	ABANDONED	21.90	17	16	0	0	300	0	0	400	13.97	13.09	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
6	6	ABANDONED	25.90	16	17	0	0	300	0	0	325	13.09	12.37	0.22	12	ACP	0.013	1083516	0.00	270879	0.00
6	6	Ann Court	48.40	6	7	5	5	300	1500	1500	215	43.68	42.82	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	County Line Road	47.40	7	8	1	6	300	300	1800	170	42.72	41.00	1.01	8	ACP	0.013	785369	0.00	196342	0.01
6	6	County Line Road	46.50	8	9	5	11	300	1500	3300	339	41.00	39.64	0.40	8	ACP	0.013	494543	0.01	123636	0.03
6	6	Cambria Court	39.83	11	10	5	5	300	1500	1500	172	36.97	36.28	0.40	8	ACP	0.013	494532	0.00	123633	0.01
6	6	Cambria Court	42.57	10	9	2	7	300	600	2100	240	36.28	35.32	0.40	8	ACP	0.013	493815	0.00	123454	0.02
6	6	County Line Road	45.40	9	13	4	22	300	1200	6600	314	35.32	34.06	0.40	8	ACP	0.013	494600	0.01	123650	0.05
6	6	Pismo Court	42.79	12	13	4	4	300	1200	1200	195	39.00	35.80	1.64	8	ACP	0.013	1000211	0.00	250053	0.00
6	6	Pismo Court	44.46	13	14	4	30	300	1200	9000	300	34.06	32.00	0.69	8	ACP	0.013	647004	0.01	161751	0.06
6	6	Pismo Court	37.30	14	15	5	35	300	1500	10500	265	32.00	22.22	3.69	8	ACP	0.013	1499963	0.01	374991	0.03
9	9	Barrymore Drive	44.00	23	24	6	6	300	1800	1800	300	36.55	32.35	1.40	8	ACP	0.013	923843	0.00	230961	0.01
9	6	Barrymore Drive	39.50	24	49	4	10	300	1200	3000	270	32.35	29.65	1.00	8	ACP	0.013	780790	0.00	195197	0.02
6	6	Hidden Lane	36.20	49	48	4	14	300	1200	4200	290	29.65	22.40	2.50	8	ACP	0.013	1234537	0.00	308634	0.01
9	9	Hidden Lane	40.84	25	26	5	5	300	1500	1500	300	33.90	25.50	2.80	8	ACP	0.013	1306511	0.00	326628	0.00
9	9	Hidden Lane	31.65	26	27	5	10	300	1500	3000	250	25.50	24.50	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Hidden Lane	30.37	27	28	6	16	300	1800	4800	250	24.50	23.50	0.40	8	ACP	0.013	493815	0.01	123454	0.04
9	6	Hidden Lane	29.12	28	48	5	21	300	1500	6300	275	23.50	22.40	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	offroad	29.20	48	47	1	36	300	300	10800	230	22.40	21.45	0.41	8	ACP	0.013	501802	0.02	125450	0.09
6	6	offroad	25.00	47	40	0	36	300	0	10800	190	21.45	20.40	0.55	8	ACP	0.013	580433	0.02	145108	0.07
6	6	Redondo Lane	40.33	37	38	8	8	300	2400	2400	400	33.40	30.60	0.70	8	ACP	0.013	653256	0.00	163314	0.01
6	6	Redondo Lane	37.93	38	39	5	13	300	1500	3900	300	30.60	28.50	0.70	8	ACP	0.013	653256	0.01	163314	0.02
6	6	Redondo Lane	34.58	39	40	5	18	300	1500	5400	220	28.50	20.40	3.68	8	ACP	0.013	1498184	0.00	374546	0.01
6	6	Redondo Lane	27.20	40	41	5	59	300	1500	17700	300	20.40	18.30	0.70	8	ACP	0.013	653256	0.03	163314	0.11
6	6	Malibu Drive	38.75	45	44	2	2	300	600	600	160	32.00	31.20	0.50	8	ACP	0.013	552102	0.00	138025	0.00
6	6	Malibu Drive	41.06	46	44	4	4	300	1200	1200	230	33.35	31.20	0.93	8	ACP	0.013	754900	0.00	188725	0.01
6	6	Rockaway Road	39.70	44	43	6	12	300	1800	3600	400	31.20	26.64	1.14	8	ACP	0.013	833655	0.00	208414	0.02
6	6	Rockaway Road	34.50	43	42	6	18	300	1800	5400	330	26.64	22.88	1.14	8	ACP	0.013	833434	0.01	208358	0.03
6	6	Rockaway Road	30.21	42	41	4	22	300	1200	6600	398	22.88	18.30	1.15	8	ACP	0.013	837578	0.01	209395	0.03
6	6	Redondo Lane	25.00	41	19	5	86	300	1500	25800	344	18.30	16.92	0.40	8	ACP	0.013	494532	0.05	123633	0.21
6	6	Newport Drive	?	29	28	7	7	300	2100	2100	370	41.13	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.02
																				0	

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
6	6	Carol Court	?	26	27	3	3	300	900	900	160	40.97	40.33	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Carol Court	?	27	28	2	5	300	600	1500	170	40.33	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Newport Drive	?	28	24	4	16	300	1200	4800	325	39.65	38.36	0.40	8	ACP	0.013	491912	0.01	122978	0.04
6	6	Sean Court	?	25	24	5	5	300	1500	1500	220	39.25	38.36	0.40	8	ACP	0.013	496613	0.00	124153	0.01
6	6	Newport Drive	?	24	23	1	22	300	300	6600	130	38.36	37.84	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	Newport Drive	?	23	22	2	24	300	600	7200	110	37.84	37.40	0.40	8	ACP	0.013	493815	0.01	123454	0.06
6	6	Newport Drive	43.48	22	21	6	30	300	1800	9000	400	37.40	35.80	0.40	8	ACP	0.013	493815	0.02	123454	0.07
6	6	Newport Drive	43.84	21	20	8	38	300	2400	11400	400	35.80	34.20	0.40	8	ACP	0.013	493815	0.02	123454	0.09
6	6	Newport Drive	38.74	20	19	6	44	300	1800	13200	400	34.20	18.85	3.84	8	ACP	0.013	1529531	0.01	382383	0.03
6	6	Redondo Lane	25.00	19	18	2	132	300	600	39600	142	16.92	16.35	0.40	8	ACP	0.013	494683	0.08	123671	0.32
6	6	Redondo Lane	25.80	18	15	3	135	300	900	40500	296	16.35	15.17	0.40	8	ACP	0.013	492980	0.08	123245	0.33
6	6	County Line Rd.	27.45	15	OCUA	0	170	300	0	51000	235	15.17	14.23	0.40	12	ACP	0.013	1455931	0.04	363983	0.14
6	6	Lanes Mill Road	?	32	33	3	3	300	900	900	367	38.00	36.52	0.40	8	ACP	0.013	495829	0.00	123957	0.01
6	6	Lanes Mill Road	?	33	34	3	6	300	900	1800	350	36.52	35.12	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	41.87	36	35	5	5	300	1500	1500	250	37.00	36.00	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	44.95	35	34	3	8	300	900	2400	180	36.00	35.12	0.49	8	ACP	0.013	545933	0.00	136483	0.02
6	9	offroad	44.45	34	5	2	16	300	600	4800	195	35.12	34.53	0.30	10	ACP	0.013	778699	0.01	194675	0.02
9	9	offroad	42.50	5	4	1	17	300	300	5100	220	34.53	33.81	0.33	10	ACP	0.013	809871	0.01	202468	0.03
9	9	Laguna Lane	39.00	4	3	9	26	300	2700	7800	400	33.81	32.61	0.30	10	ACP	0.013	775392	0.01	193848	0.04
9	9		40.80	3	2	2	28	300	600	8400	163	32.61	32.12	0.30	10	ACP	0.013	776185	0.01	194046	0.04
6	6	Long Beach Avenue	46.15	31	30	8	8	300	2400	2400	398	40.19	36.61	0.90	8	ACP	0.013	740515	0.00	185129	0.01
6	9	Long Beach Avenue	43.27	30	2	3	11	300	900	3300	278	36.61	34.11	0.90	8	ACP	0.013	740426	0.00	185107	0.02
9	9	Long Beach Avenue	41.80	2	1	2	41	300	600	12300	188	32.12	31.55	0.30	10	ACP	0.013	779506	0.02	194876	0.06
9	8	Long Beach Avenue	43.04	1	43	5	46	300	1500	13800	340	31.55	30.53	0.30	10	ACP	0.013	775392	0.02	193848	0.07
8	8	Long Beach Avenue	42.76	43	42	5	51	300	1500	15300	400	30.53	29.33	0.30	10	ACP	0.013	775392	0.02	193848	0.08
8	8	Long Beach Avenue	40.76	42	40	3	54	300	900	16200	250	29.33	28.58	0.30	10	ACP	0.013	775392	0.02	193848	0.08
5	5	Cedarwood Drive	47.68	15	14	3	3	300	900	900	215	40.30	39.03	0.59	8	ACP	0.013	600090	0.00	150023	0.01
5	5	Cedarwood Drive	46.29	14	11	6	9	300	1800	2700	400	39.03	37.44	0.40	8	ACP	0.013	492269	0.01	123067	0.02
5	5	Kerry Court	?	13	12	6	6	300	1800	1800	250	38.62	37.63	0.40	8	ACP	0.013	491339	0.00	122835	0.01
5	5	Kerry Court	?	12	11	2	8	300	600	2400	150	37.63	37.03	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	5	Cedarwood Drive	43.40	11	10	1	18	300	300	5400	130	37.03	36.36	0.52	8	ACP	0.013	560531	0.01	140133	0.04
5	5	Cedarwood Drive	43.77	10	7	2	20	300	600	6000	256	36.36	35.34	0.40	8	ACP	0.013	492849	0.01	123212	0.05
5	5	Joe Parker Road	?	6	7	6	6	300	1800	1800	400	36.70	35.10	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Joe Parker Road	43.10	7	8	3	29	300	900	8700	245	34.77	33.80	0.40	8	ACP	0.013	491289	0.02	122822	0.07
5	5	Joe Parker Road	?	8	9	3	32	300	900	9600	290	33.80	32.65	0.40	8	ACP	0.013	491682	0.02	122920	0.08
5	8	Joe Parker Road	?	9	41	6	38	300	1800	11400	350	32.65	31.24	0.40	8	ACP	0.013	495575	0.02	123894	0.09
8	8	Joe Parker Road	?	41	40	4	42	300	1200	12600	365	30.05	28.58	0.40	8	ACP	0.013	495503	0.03	123876	0.10
8	8	Joe Parker Road	39.70	40	39	1	97	300	300	29100	200	28.58	27.41	0.58	10	ACP	0.013	1082776	0.03	270694	0.11
8	8	offroad	37.97	39	31	8	105	300	2400	31500	260	27.41	24.21	1.23	10	ACP	0.013	1570540	0.02	392635	0.08
5	5	Paris Court	42.90	1	2	5	5	300	1500	1500	295	35.72	34.54	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Paris Court	42.60	2	3	5	10	300	1500	3000	310	34.54	33.30	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	8	offroad	?	3	1	2	12	300	600	3600	250	33.30	32.31	0.40	8	ACP	0.013	491339	0.01	122835	0.03
8	8	Medina Road	?	1	2	4	16	300	1200	4800	115	32.14	31.68	0.40	10	ACP	0.013	895346	0.01	223836	0.02
8	8	Medina Road	?	2	4	3	19	300	900	5700	210	31.68	30.84	0.40	10	ACP	0.013	895346	0.01	223836	0.03
8	8	Medina Court	?	3	4	6	6	300	1800	1800	270	32.10	31.01	0.40	8	ACP	0.013	496096	0.00	124024	0.01
8	8	Medina Road	?	4	5	6	31	300	1800	9300	240	30.84	29.88	0.40	10	ACP	0.013	895346	0.01	223836	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Medina Road	?	9	8	10	10	300	3000	3000	395	35.37	33.80	0.40	8	ACP	0.013	492250	0.01	123062	0.02
8	8	Medina Road	?	8	7	10	20	300	3000	6000	400	33.80	32.19	0.40	8	ACP	0.013	495356	0.01	123839	0.05
8	8	Medina Road	?	7	6	5	25	300	1500	7500	235	32.19	31.24	0.40	8	ACP	0.013	496434	0.02	124109	0.06
8	8	Medina Road	?	6	5	8	33	300	2400	9900	300	31.24	30.05	0.40	8	ACP	0.013	491753	0.02	122938	0.08
8	8	offroad	?	5	23	0	33	300	0	9900	166	29.88	29.21	0.40	10	ACP	0.013	900723	0.01	225181	0.04
8	8	offroad	?	23	24	0	33	300	0	9900	27	29.21	29.10	0.40	10	CIP	0.013	895346	0.01	223836	0.04
8	8	offroad	38.50	24	25	0	33	300	0	9900	390	29.10	28.21	0.23	10	CIP	0.013	676275	0.01	169069	0.06
8	8	offroad	?	25	26	0	33	300	0	9900	102	26.41	26.09	0.31	10	CIP	0.013	792932	0.01	198233	0.05
8	8	offroad	30.72	26	27	0	33	300	0	9900	45	26.09	25.93	0.36	10	ACP	0.013	844140	0.01	211035	0.05
8	8	offroad	31.90	27	28	10	43	300	3000	12900	109	25.93	25.65	0.26	10	ACP	0.013	717508	0.02	179377	0.07
8	8	offroad	32.94	28	29	8	51	300	2400	15300	112	25.66	25.28	0.34	10	ACP	0.013	824600	0.02	206150	0.07
8	8	offroad	34.29	29	30	0	51	300	0	15300	249	25.28	24.52	0.31	10	ACP	0.013	782110	0.02	195528	0.08
8	8	offroad	33.83	30	31	10	61	300	3000	18300	190	24.55	24.20	0.18	10	ACP	0.013	607600	0.03	151900	0.12
8	8	offroad	31.84	31	32	8	174	300	2400	52200	150	24.24	24.12	0.08	12	ACP	0.013	651112	0.08	162778	0.32
8	8	offroad	36.50	34	33	8	8	300	2400	2400	145	33.00	29.90	2.14	6	ACP	0.013	530104	0.00	132526	0.02
8	8	offroad	38.40	33	32	8	16	300	2400	4800	160	29.90	26.10	2.38	8	ACP	0.013	1203278	0.00	300819	0.02
8	8	offroad	35.50	32	35	8	198	300	2400	59400	330	24.12	23.65	0.14	12	ACP	0.013	868766	0.07	217191	0.27
8	8	offroad	35.50	35	36	8	206	300	2400	61800	73	23.65	23.44	0.29	12	ACP	0.013	1234693	0.05	308673	0.20
8	8	offroad	36.70	36	37	0	206	300	0	61800	530	23.44	22.64	0.15	12	ACP	0.013	894371	0.07	223593	0.28
8	8	offroad	?	37	38	0	206	300	0	61800	410	22.64	22.00	0.16	12	ACP	0.013	909513	0.07	227378	0.27
8	12	offroad	?	38	17	0	206	300	0	61800	340	22.00	21.43	0.17	12	ACP	0.013	942559	0.07	235640	0.26
12	12	offroad	?	17	18	0	206	300	0	61800	275	21.34	20.95	0.14	12	ACP	0.013	866915	0.07	216729	0.29
12	12	offroad	?	18	22	0	206	300	0	61800	315	20.95	20.39	0.18	12	ACP	0.013	970621	0.06	242655	0.25
12	12	offroad	33.30	22	21	12	218	300	3600	65400	400	20.39	19.66	0.18	12	ACP	0.013	983427	0.07	245857	0.27
12	12	Baltusrol Court	31.62	28	25	36	36	300	10800	10800	320	23.16	22.25	0.28	8	ACP	0.013	416370	0.03	104093	0.10
12	12	Baltusrol Court	32.84	26	25	12	12	300	3600	3600	123	25.46	22.25	2.61	8	ACP	0.013	1261345	0.00	315336	0.01
12	12	Baltusrol Court	30.59	25	21	0	48	300	0	14400	126	22.25	21.80	0.36	8	ACP	0.013	466611	0.03	116653	0.12
12	12	Baltusrol Court	34.10	19	21	24	24	300	7200	7200	290	24.45	21.80	0.91	8	ACP	0.013	746377	0.01	186594	0.04
12	12	Baltusrol Court	28.60	21	24	0	290	300	0	87000	68	19.66	19.53	0.19	12	ACP	0.013	1006533	0.09	251633	0.35
12	12	Baltusrol Court	31.10	20	24	12	12	300	3600	3600	191	23.05	20.20	1.49	8	ACP	0.013	953762	0.00	238440	0.02
12	12	Baltusrol Court	28.10	24	27	24	326	300	7200	97800	385	19.53	18.67	0.22	12	ACP	0.013	1088002	0.09	272000	0.36
7	7	Ocean County Park	51.40	1	2	1	1	300	2000	2000	135	44.80	44.10	0.52	8	PVC	0.010	730903	0.00	182726	0.01
7	7	New Hampshire	50.50	2	3	0	1	300	0	2000	165	43.90	43.04	0.52	8	PVC	0.010	732799	0.00	183200	0.01
7	7	New Hampshire	50.00	3	4	0	1	300	0	2000	196	42.74	41.72	0.52	8	PVC	0.010	732233	0.00	183058	0.01
7	7	New Hampshire	49.40	4	5	0	1	300	0	2000	197	41.62	40.59	0.52	8	PVC	0.010	733944	0.00	183486	0.01
7	7	New Hampshire	49.07	5	6	0	1	300	0	2000	199	39.94	38.90	0.52	8	PVC	0.010	733783	0.00	183446	0.01
7	7	New Hampshire	47.13	6	7	0	1	300	0	2000	192	38.70	37.70	0.52	8	PVC	0.010	732532	0.00	183133	0.01
7	7	New Hampshire	45.56	7	8	0	1	300	0	2000	263	37.57	36.20	0.52	8	PVC	0.010	732588	0.00	183147	0.01
7	7	New Hampshire	45.41	8	9	0	1	300	0	2000	175	36.05	35.14	0.52	8	PVC	0.010	731946	0.00	182987	0.01
7	7	New Hampshire	44.00	9	10	0	1	300	0	2000	176	35.04	34.12	0.52	8	PVC	0.010	733863	0.00	183466	0.01
7	7	New Hampshire	44.10	10	11	0	1	300	0	2000	182	33.92	32.97	0.52	8	PVC	0.010	733337	0.00	183334	0.01
7	7	New Hampshire	43.20	11	12	0	1	300	0	2000	182	32.87	31.93	0.52	8	PVC	0.010	729467	0.00	182367	0.01
7	11	New Hampshire	41.75	12	35	0	1	300	0	2000	57	31.83	31.53	0.53	8	PVC	0.010	736378	0.00	184094	0.01
11	12	Woodlake Manor Drive	44.56	35	1	32	33	300	9600	11600	162	31.33	28.97	1.46	8	PVC	0.010	1225112	0.01	306278	0.04
8	8	Woodlake Manor Drive	37.71	22	21	26	26	300	7800	7800	202	32.58	31.47	0.55	8	PVC	0.010	752425	0.01	188106	0.04
8	12	Woodlake Manor Drive	37.19	21	1	22	48	300	6600	14400	251	31.47	28.97	1.00	8	PVC	0.010	1013003	0.01	253251	0.06
12	12	Woodlake Manor Drive	36.02	1	2	10	91	300	3000	29000	134	28.97	27.61	1.01	8	PVC	0.010	1022573	0.03	255643	0.11

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Woodlake Manor Drive	45.30	12	11	22	22	300	6600	6600	171	39.93	38.18	1.02	8	PVC	0.010	1026830	0.01	256707	0.03
8	8	Woodlake Manor Drive	46.59	11	15	10	32	300	3000	9600	166	38.18	36.53	0.99	8	PVC	0.010	1011965	0.01	252991	0.04
8	8		45.24	13	14	25	25	300	7500	7500	247	39.04	37.33	0.69	8	PVC	0.010	844553	0.01	211138	0.04
8	8		44.40	14	15	8	33	300	2400	9900	144	37.33	36.53	0.56	8	PVC	0.010	756556	0.01	189139	0.05
8	8		46.00	15	16	30	95	300	9000	28500	308	36.53	33.72	0.91	8	PVC	0.010	969517	0.03	242379	0.12
8	8		40.83	16	17	22	117	300	6600	35100	301	33.72	32.20	0.50	8	PVC	0.010	721300	0.05	180325	0.19
8	8		41.50	17	18	12	129	300	3600	38700	90	32.20	31.63	0.63	8	PVC	0.010	807781	0.05	201945	0.19
8	8		40.00	19	18	20	20	300	6000	6000	193	32.67	31.63	0.54	8	PVC	0.010	745102	0.01	186275	0.03
8	8		40.03	18	20	26	175	300	7800	52500	278	31.63	28.30	1.20	8	PVC	0.010	1110906	0.05	277726	0.19
8	12		36.42	20	3	32	207	300	9600	62100	184	28.30	27.29	0.55	8	PVC	0.010	752020	0.08	188005	0.33
12	12		33.54	3	2	0	207	300	0	62100	124	27.29	26.74	0.44	8	PVC	0.010	676002	0.09	169000	0.37
12	12		33.83	2	4	0	298	300	0	91100	240	26.74	26.21	0.22	8	PVC	0.010	476991	0.19	119248	0.76
12	12	Country Club Entrance		3A	3B	1	1	2000	2000	2000	400	31.96	28.35	0.90	8	ACP	0.013	741750	0.00	185438	0.01
12	12	Country Club Entrance		3B	4	0	1	300	0	2000	355	28.35	26.21	0.60	8	ACP	0.013	606215	0.00	151554	0.01
12	12	Country Club Entrance	30.50	4	5	24	323	300	7200	100300	156	26.21	24.74	0.94	8	ACP	0.013	757932	0.13	189483	0.53
12	12		29.45	7	5	34	34	300	10200	10200	85	25.00	24.74	0.31	8	ACP	0.013	431828	0.02	107957	0.09
12	12	Fountain Drive	29.70	5	8	20	377	300	6000	116500	280	24.74	23.90	0.30	8	ACP	0.013	427656	0.27	106914	1.09
12	12	offroad	30.65	6	8	22	22	300	6600	6600	205	24.72	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.05
12	12	offroad	30.40	9	8	24	24	300	7200	7200	185	24.64	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.06
12	12	offroad	29.25	8	10	32	455	300	9600	139900	127	23.90	23.52	0.30	8	ACP	0.013	427095	0.33	106774	1.31
12	12	offroad	29.35	10	12	10	465	300	3000	142900	150	23.52	23.07	0.30	8	ACP	0.013	427656	0.33	106914	1.34
12	12	offroad	28.50	12	13	20	485	300	6000	148900	65	23.07	22.87	0.31	8	ACP	0.013	433104	0.34	108276	1.38
11	11	offroad	38.87	28	29	50	50	300	15000	15000	383	31.02	29.18	0.48	8	ACP	0.013	541182	0.03	135296	0.11
11	11	offroad	35.19	30	29	40	40	300	12000	12000	312	30.34	29.18	0.37	8	ACP	0.013	476086	0.03	119022	0.10
11	11	offroad	35.46	29	31	0	90	300	0	27000	155	29.01	28.46	0.35	8	ACP	0.013	465103	0.06	116276	0.23
11	11	offroad	34.74	31	32	0	90	300	0	27000	19	28.30	28.08	1.16	8	DIP	0.013	840173	0.03	210043	0.13
11	11	New Hampshire Boulevard	34.48	32	33	0	90	300	0	27000	151	27.91	27.40	0.34	8	ACP	0.013	453765	0.06	113441	0.24
11	11	New Hampshire Boulevard	33.81	33	34	0	90	300	0	27000	75	27.40	27.18	0.29	8	ACP	0.013	422878	0.06	105719	0.26
11	12	Pinehurst Drive	33.53	34	16	0	90	300	0	27000	261	27.18	26.09	0.42	8	ACP	0.013	504577	0.05	126144	0.21
12	12	Fountain Drive	30.37	16	15	4	94	300	1200	28200	85	26.09	25.43	0.78	8	ACP	0.013	688013	0.04	172003	0.16
12	12	Fountain Drive	30.41	15	14	40	134	300	12000	40200	205	25.43	24.25	0.58	8	ACP	0.013	592377	0.07	148094	0.27
12	12		30.70	11	14	28	28	300	8400	8400	335	25.67	24.25	0.42	8	ACP	0.013	508342	0.02	127085	0.07
12	12		29.50	14	13	14	176	300	4200	52800	230	24.25	22.87	0.60	8	ACP	0.013	604797	0.09	151199	0.35
12	12	offroad	29.00	13	23	0	661	300	0	201700	400	22.87	21.27	0.40	8	ACP	0.013	493815	0.41	123454	1.63
12	12		27.70	23	27	12	673	300	3600	205300	357	21.27	19.50	0.50	8	ACP	0.013	549777	0.37	137444	1.49
12	12	Balustrol Court	27.50	27	31	6	1005	300	1800	304900	235	19.17	18.53	0.27	12	ACP	0.013	1201342	0.25	300336	1.02
12	12	St. Andrews Court	29.30	29	31	16	16	300	4800	4800	261	24.45	20.53	1.50	8	ACP	0.013	956879	0.01	239220	0.02
12	12	Balustrol Court	?	31	32	0	1021	300	0	309700	105	18.53	18.18	0.33	12	ACP	0.013	1329077	0.23	332269	0.93
12	12	Balustrol Court	?	30	32	0	0	300	0	0	37	18.53	18.18	0.95	12	ACP	0.013	2238948	0.00	559737	0.00
12	12	Balustrol Court	29.20	32	34	40	1061	300	12000	321700	292	18.18	17.45	0.25	12	ACP	0.013	1151014	0.28	287754	1.12
15	15	Service	31.38	1	2	30	30	300	9000	9000	195	29.66	25.76	2.00	6	PVC	0.010	666534	0.01	166634	0.05
15	15	Ocean Avenue	31.01	2	3	0	30	300	0	9000	46	25.76	25.25	1.11	8	PVC	0.010	1068768	0.01	267192	0.03
15	15	offroad	30.63	3	4	15	45	300	4500	13500	213	25.25	24.33	0.43	8	PVC	0.010	667086	0.02	166771	0.08
15	12		30.59	4	33	50	95	300	15000	28500	207	24.33	23.31	0.49	8	PVC	0.010	712512	0.04	178128	0.16
12	12		31.57	33	34	18	113	300	5400	33900	116	17.98	17.45	0.46	8	PVC	0.010	686098	0.05	171525	0.20
12	15	Pinehurst Drive	31.00	34	5	58	1232	300	17400	373000	400	17.45	16.57	0.22	12	ACP	0.013	1079747	0.35	269937	1.38

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
12	15	offroad	29.00	35	5	49	49	300	14700	14700	425	22.81	18.56	1.00	8	ACP	0.013	780790	0.02	195197	0.08
15	15	Pinehurst Drive	27.30	5	6	16	1297	300	4800	392500	296	16.57	15.92	0.22	12	ACP	0.013	1078752	0.36	269688	1.46
15	15	offroad	22.00	9	8	4	4	300	1200	1200	400	9.77	9.13	0.16	12	ACP	0.013	920812	0.00	230203	0.01
12	15		25.20	37	8	36	40	300	10800	12000	333	19.20	17.53	0.50	8	ACP	0.013	552930	0.02	138233	0.09
15	15		24.20	8	7	14	58	300	4200	17400	413	9.13	8.47	0.16	12	ACP	0.013	920254	0.02	230063	0.08
12	15		27.00	36	7	18	18	300	5400	5400	280	17.00	15.88	0.40	8	ACP	0.013	493815	0.01	123454	0.04
15	15		24.20	7	6	0	18	300	0	5400	166	8.47	8.20	0.16	12	ACP	0.013	928407	0.01	232102	0.02
15	15	into pumping station	?	6	PS	0	1315	300	0	397900	80	8.20	8.00	0.25	12	CI	0.013	1151014	0.35	287754	1.38
15	14	Force Main		PS	13	0	1315	0	0	397900	2810	8.00	NA	NA	10	ACP	0.013	N/A	N/A	N/A	N/A
			.																		
1	2	offroad	54.87	1	1	29	29	300	8700	8700	364	48.78	41.50	2.00	8	PVC	0.010	1435464	0.01	358866	0.02
2	2	offroad	56.12	1	2	0	29	300	0	8700	275	41.40	40.30	0.40	8	PVC	0.010	641959	0.01	160490	0.05
2	2	offroad	54.00	2	3	0	29	300	0	8700	5	40.20	40.18	0.40	8	PVC	0.010	641959	0.01	160490	0.05
		into pump station																			
2	2	Force Main	54.00	3	4	0	29	300	0	8700	FM	49.00	46.33	N/A	4	PVC	0.010	N/A	N/A	N/A	N/A
2	2	Ridge Avenue	53.48	4	6	5	5	300	1500	10200	250	46.33	45.23	0.44	8	PVC	0.010	673292	0.02	168323	0.06
2	2	County Line Road East	52.43	6	7	4	9	300	1200	11400	251	45.23	44.22	0.40	8	PVC	0.010	643875	0.02	160969	0.07
2	2		53.35	7	10	2	11	300	600	12000	185	44.22	43.48	0.40	8	PVC	0.010	641959	0.02	160490	0.07
5	5	Lanes Mill Road	51.89	4	5	0	0	300	0	0	123	46.47	45.91	0.46	8	PVC	0.010	684887	0.00	171222	0.00
5	2	Offroad	51.34	5	8	2	2	300	600	600	236	45.88	44.91	0.41	8	PVC	0.010	650740	0.00	162685	0.00
2	2	Marcella Court	51.99	8	9	1	3	300	300	900	103	44.88	44.44	0.43	8	PVC	0.010	663415	0.00	165854	0.01
2	2	Marcella Court	52.77	9	10	4	7	300	1200	2100	228	44.43	43.52	0.40	8	PVC	0.010	641255	0.00	160314	0.01
2	2	County Line Road East	?	10	11	1	19	300	300	14400	293	43.44	42.26	0.40	8	PVC	0.010	644146	0.02	161037	0.09
2	2	County Line Road East	52.04	11	12	0	19	300	0	14400	311	42.21	41.01	0.39	8	PVC	0.010	630504	0.02	157626	0.09
5	5	Red Oak Drive	48.50	28	27	5	5	300	1500	1500	150	43.34	42.74	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Red Oak Drive	47.70	27	26	2	7	300	600	2100	180	42.74	42.02	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	2	Red Oak Drive	46.70	26	12	7	14	300	2100	4200	380	42.02	40.89	0.30	8	ACP	0.013	425776	0.01	106444	0.04
2	2	County Line Road East	51.24	12	13	4	37	300	1200	19800	245	40.88	39.52	0.56	8	ACP	0.013	581729	0.03	145432	0.14
2	2	County Line Road East	50.60	13	14	2	39	300	600	20400	200	39.43	38.64	0.40	8	ACP	0.013	490719	0.04	122680	0.17
9	9	Laguna Lane	38.40	6	7	4	4	300	1200	1200	200	31.61	30.81	0.40	8	ACP	0.013	493815	0.00	123454	0.01
9	9	Laguna Lane	37.40	7	8	5	9	300	1500	2700	355	30.81	29.39	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Laguna Lane	35.25	8	9	6	15	300	1800	4500	372	29.39	27.53	0.50	8	ACP	0.013	552102	0.01	138025	0.03
9	9	Laguna Lane	41.10	11	10	7	7	300	2100	2100	400	34.50	32.50	0.50	8	ACP	0.013	552102	0.00	138025	0.02
9	9	Laguna Lane	39.10	10	9	7	14	300	2100	4200	378	32.50	27.53	1.31	8	ACP	0.013	895295	0.00	223824	0.02
9	9	Alamitos Drive	33.65	9	12	1	30	300	300	9000	172	27.53	26.50	0.60	8	ACP	0.013	604211	0.01	151053	0.06
9	9	Alamitos Drive	32.31	12	13	6	36	300	1800	10800	332	26.50	24.18	0.70	8	ACP	0.013	652693	0.02	163173	0.07
9	9	Alamitos Drive	29.83	13	14	6	42	300	1800	12600	400	24.18	20.69	0.87	8	ACP	0.013	729318	0.02	182329	0.07
9	9	Alamitos Drive	39.30	18	17	7	7	300	2100	2100	400	33.70	29.70	1.00	8	ACP	0.013	780790	0.00	195197	0.01
9	9	Alamitos Drive	35.76	17	16	6	13	300	1800	3900	320	29.70	23.30	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
9	9	Alamitos Drive	29.29	16	15	6	19	300	1800	5700	334	23.30	21.63	0.50	8	ACP	0.013	552102	0.01	138025	0.04
9	9	Alamitos Drive	27.45	15	14	2	21	300	600	6300	130	21.63	20.69	0.72	8	ACP	0.013	663936	0.01	165984	0.04
9	9	Alamitos Drive	26.84	14	19	0	63	300	0	18900	115	14.87	14.70	0.15	12	PVC	0.010	1150614	0.02	287654	0.07
9	9	Alamitos Drive	24.86	19	20	0	63	300	0	18900	190	13.66	13.25	0.22	12	PVC	0.010	1390174	0.01	347544	0.05
9	9	Alamitos Drive	21.81	20	21	0	63	300	0	18900	155	13.25	11.00	1.45	12	PVC	0.010	3605616	0.01	901404	0.02
		MH-21 into OCUA 42" RCP																			

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
11	11	offroad	46.90	1	2	6	6	300	1800	1800	185	39.00	38.15	0.46	8	PVC	0.010	688020	0.00	172005	0.01
11	11	offroad	45.53	2	3	0	6	300	0	1800	190	37.92	35.90	1.06	8	PVC	0.010	1046589	0.00	261647	0.01
11	11	offroad	46.25	4	3	0	0	300	0	0	200	38.90	36.00	1.45	8	PVC	0.010	1222254	0.00	305563	0.00
11	11	offroad	45.80	3	6	0	6	300	0	1800	168	35.79	34.95	0.50	8	PVC	0.010	717732	0.00	179433	0.01
11	11	offroad	44.10	5	6	0	0	300	0	0	250	35.65	34.40	0.50	8	PVC	0.010	717732	0.00	179433	0.00
11	11	offroad	43.00	6	7	0	6	300	0	1800	300	34.20	32.70	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	41.40	7	8	0	6	300	0	1800	290	32.50	31.05	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	40.00	8	9	0	6	300	0	1800	380	30.85	29.16	0.44	10	PVC	0.010	1227314	0.00	306828	0.01
11	11	Ocean Ave.	44.85	27	25	10	10	300	3000	3000	155	32.23	31.26	0.63	8	PVC	0.010	802967	0.00	200742	0.01
11	11	offroad	41.13	26	25	10	20	300	3000	6000	176	32.29	31.35	0.53	8	PVC	0.010	741797	0.01	185449	0.03
11	11		41.84	25	23	20	50	300	6000	15000	266	31.21	29.78	0.54	8	PVC	0.010	744226	0.02	186056	0.08
11	11	offroad	39.06	24	23	20	20	300	6000	6000	167	31.59	29.78	1.08	8	PVC	0.010	1056716	0.01	264179	0.02
11	11		39.02	23	9	0	70	300	0	21000	117	29.71	29.07	0.55	8	PVC	0.010	750714	0.03	187678	0.11
11	11		37.90	9	10	10	86	300	3000	25800	164	29.03	28.07	0.59	10	PVC	0.010	1408049	0.02	352012	0.07
11	11	offroad	38.94	11	10	10	10	300	3000	3000	74	29.93	28.32	2.18	8	PVC	0.010	1497182	0.00	374295	0.01
11	11		38.17	10	12	10	106	300	3000	31800	210	27.92	26.84	0.51	10	PVC	0.010	1319795	0.02	329949	0.10
11	11		38.16	12	13	0	106	300	0	31800	122	26.73	26.21	0.43	10	PVC	0.010	1201506	0.03	300376	0.11
11	11		37.24	13	14	0	106	300	0	31800	75	26.02	25.66	0.48	10	PVC	0.010	1275043	0.02	318761	0.10
11	11		38.28	14	15	0	106	300	0	31800	63	25.66	25.41	0.40	10	PVC	0.010	1159321	0.03	289830	0.11
11	11	Jessica Court	41.53	19	18	21	21	300	6300	6300	186	35.26	32.58	1.44	8	PVC	0.010	1218396	0.01	304599	0.02
11	11	Jessica Court	39.40	18	17	6	27	300	1800	8100	68	32.54	31.62	1.35	8	PVC	0.010	1180638	0.01	295160	0.03
11	11	Jessica Court	38.01	20	21	18	18	300	5400	5400	155	32.48	31.74	0.48	8	PVC	0.010	701338	0.01	175335	0.03
11	11	Jessica Court	38.92	21	17	0	18	300	0	5400	103	31.53	30.09	1.40	8	PVC	0.010	1200163	0.00	300041	0.02
11	11	Jessica Court	38.40	17	16	6	51	300	1800	15300	116	30.00	29.48	0.45	8	PVC	0.010	679595	0.02	169899	0.09
11	11	Jessica Court	37.44	16	15	6	57	300	1800	17100	139	29.46	26.90	1.84	8	PVC	0.010	1377495	0.01	344374	0.05
11	14	Michele Way	36.48	15	1	31	194	300	9300	58200	345	25.12	24.12	0.29	10	PVC	0.010	990820	0.06	247705	0.23
11	14	Michele Way	37.02	22	1	11	11	300	3300	3300	341	30.32	27.48	0.83	8	PVC	0.010	926317	0.00	231579	0.01
14	14	Michele Way	33.96	1	2	0	205	300	0	61500	77	24.12	23.83	0.38	10	PVC	0.010	1129426	0.05	282356	0.22
14	14	New Hampshire Avenue	30.95	2	3	0	205	300	0	61500	302	23.77	22.70	0.35	10	DIP	0.013	842654	0.07	210663	0.29
14	14	New Hampshire Avenue	25.15	3	4	0	205	300	0	61500	145	22.56	22.05	0.35	10	DIP	0.013	839580	0.07	209895	0.29
14	14	New Hampshire Avenue	25.15	4	9	0	205	300	0	61500	215	21.95	21.20	0.35	10	DIP	0.013	836127	0.07	209032	0.29
14	14	New Hampshire Avenue	24.48	9	11	0	205	300	0	61500	190	21.10	19.87	0.65	10	DIP	0.013	1139034	0.05	284758	0.22
14	14	New Hampshire Avenue	25.23	11	13	0	205	300	0	61500	42	19.56	19.24	0.76	12	DIP	0.013	2009376	0.03	502344	0.12
14	14	New Hampshire Avenue	24.96	13	17	0	1520	300	0	459400	55	19.24	18.90	0.62	12	DIP	0.013	1809960	0.25	452490	1.02
16	16	offroad	20.71	10	8	8	8	300	2400	2400	40	11.56	11.37	0.48	8	PVC	0.010	699559	0.00	174890	0.01
16	16	Ocean Avenue	20.25	8	5	28	36	300	8400	10800	350	11.17	9.44	0.49	8	PVC	0.010	713619	0.02	178405	0.06
16	16	Ocean Avenue	19.93	5	4	0	36	300	0	10800	148	9.34	8.60	0.50	8	PVC	0.010	717732	0.02	179433	0.06
16	16	Ocean Avenue	20.26	4	1	6	42	300	1800	12600	195	8.50	7.56	0.48	8	PVC	0.010	704732	0.02	176183	0.07
16	16	Ocean Avenue	20.92	1	2	0	42	300	0	12600	10	7.06	6.96	1.00	8	PVC	0.010	1015027	0.01	253757	0.05
16	16	offroad	18.43	11	12	10	10	300	3000	3000	20.8	10.05	9.95	0.48	8	PVC	0.010	703794	0.00	175949	0.02
16	16	offroad		12	13	0	10	300	0	3000	286.6	9.88	8.49	0.48	8	PVC	0.010	706882	0.00	176720	0.02
16	16	offroad		13	2	0	10	300	0	3000	310.5	8.39	6.96	0.46	8	PVC	0.010	688834	0.00	172209	0.02
16	16	MH-2 into OCUA		2	OCUA	0	52	300	0	15600	32	4.60	4.50	0.31	12	PVC	0.010	1672935	0.01	418234	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
17	17	Stadium	68.20	18	17	1	1	20000	20000	20000	115	60.20	59.74	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	68.50	17	16	0	1	0	0	20000	310	59.64	58.40	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.80	16	15	0	1	0	0	20000	220	58.30	57.42	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	67.00	15	14	0	1	0	0	20000	200	57.32	56.52	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	14	13	0	1	0	0	20000	220	56.42	55.54	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	13	12	0	1	0	0	20000	400	55.44	53.84	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	62.50	12	11	0	1	0	0	20000	400	53.74	50.54	0.80	8	PVC	0.010	907867	0.02	226967	0.09
17	17	Stadium	58.40	11	10	0	1	0	0	20000	190	50.44	48.61	0.96	8	PVC	0.010	996153	0.02	249038	0.08
17	17	Stadium	56.50	10	9	0	1	0	0	20000	400	37.37	36.14	0.31	15	PVC	0.010	3008870	0.01	752217	0.03
17	17	Stadium	51.94	9	8	0	1	0	0	20000	98	36.04	35.66	0.39	15	PVC	0.010	3378777	0.01	844694	0.02
17	17	Stadium	50.10	8	7	0	1	0	0	20000	119	35.56	35.06	0.42	15	PVC	0.010	3517162	0.01	879290	0.02
17	17	Stadium	49.18	7	1	0	1	0	0	20000	284	34.96	34.34	0.22	18	PVC	0.010	4122565	0.00	1030641	0.02
17	17	Stadium	45.03	1	2	0	1	0	0	20000	274	34.23	33.80	0.16	18	PVC	0.010	3495343	0.01	873836	0.02
17	17	Stadium	46.86	2	3	0	1	0	0	20000	274	33.77	32.89	0.32	18	PVC	0.010	5000309	0.00	1250077	0.02
17	17	Stadium	46.36	3	4	0	1	0	0	20000	147	32.79	32.27	0.35	18	PVC	0.010	5247758	0.00	1311940	0.02
17	17	Stadium	?	4	5	0	1	0	0	20000	195	32.17	31.71	0.24	18	PVC	0.010	4285410	0.00	1071353	0.02
17	17	Stadium	42.67	5	6	0	1	0	0	20000	352	31.61	30.66	0.27	18	PVC	0.010	4583754	0.00	1145938	0.02
17	100	Goes off maps	45.15	6	new	0	1	0	0	20000	280	30.56	29.40	0.41	18	PVC	0.010	5679117	0.00	1419779	0.01
100	14	Back on maps	?	new	30	0	1	0	0	20000	295	29.30	27.37	0.65	18	PVC	0.010	7136717	0.00	1784179	0.01
14	14	offroad	35.69	30	29	0	1	0	0	20000	291	27.27	25.83	0.49	18	PVC	0.010	6206769	0.00	1551692	0.01
14	14	offroad	35.69	29	28	0	1	0	0	20000	381	25.47	24.49	0.26	18	PVC	0.010	4474880	0.00	1118720	0.02
14	14	offroad	35.72	28	27	0	1	0	0	20000	238	24.39	23.75	0.27	18	PVC	0.010	4575434	0.00	1143859	0.02
14	14	offroad	35.62	27	24	0	1	0	0	20000	400	23.65	22.05	0.40	18	PVC	0.010	5580342	0.00	1395085	0.01
17	17	Service	78.80	23	22	10	10	300	3000	3000	66	73.00	69.00	6.06	6	PVC	0.010	1160287	0.00	290072	0.01
17	17	Service	75.00	22	21	0	10	300	0	3000	75	69.00	66.33	3.56	6	PVC	0.010	889268	0.00	222317	0.01
17	17	Service	72.10	21	20	0	10	300	0	3000	66	66.33	65.19	1.73	6	PVC	0.010	619424	0.00	154856	0.02
17	17	offroad	72.03	20	19	0	10	300	0	3000	260	64.96	63.58	0.53	8	PVC	0.010	739487	0.00	184872	0.02
17	18	offroad	74.88	19	1	0	10	300	0	3000	244	63.53	62.35	0.48	8	PVC	0.010	705868	0.00	176467	0.02
18	18	offroad	72.80	1	63	0	10	300	0	3000	155	62.35	61.58	0.50	8	PVC	0.010	715413	0.00	178853	0.02
18	18	offroad	?	63	2	8	18	300	2400	5400	350	61.58	60.60	0.28	8	PVC	0.010	537102	0.01	134275	0.04
18	18	New Hampshire Avenue	68.49	2	3	0	18	300	0	5400	320	60.49	58.49	0.63	8	PVC	0.010	802449	0.01	200612	0.03
18	18	New Hampshire Avenue	69.78	3	4	0	18	300	0	5400	350	58.30	56.66	0.47	8	PVC	0.010	694809	0.01	173702	0.03
18	18	New Hampshire Avenue	66.49	4	5	0	18	300	0	5400	270	56.41	51.34	1.88	8	PVC	0.010	1390912	0.00	347728	0.02
18	14	New Hampshire Avenue	58.18	5	26	0	18	300	0	5400	310	51.25	42.02	2.98	8	PVC	0.010	1751449	0.00	437862	0.01
14	14	New Hampshire Avenue	48.54	26	25	0	18	300	0	5400	250	41.90	29.58	4.93	8	PVC	0.010	2253268	0.00	563317	0.01
14	14	New Hampshire Avenue	38.87	25	24	0	18	300	0	5400	21	28.74	28.52	1.05	8	PVC	0.010	1038913	0.01	259728	0.02
14	14	New Hampshire Avenue	36.13	24	22	0	19	300	0	25400	236	21.82	21.20	0.26	18	PVC	0.010	4522418	0.01	1130604	0.02
14	14	New Hampshire Avenue	29.02	22	23	0	19	300	0	25400	63	21.10	20.91	0.30	18	PVC	0.010	4845486	0.01	1211371	0.02
14	14	New Hampshire Avenue	31.53	23	20	0	19	300	0	25400	160	20.81	20.43	0.24	18	PVC	0.010	4299942	0.01	1074986	0.02
14	14	New Hampshire Avenue	28.77	20	19	0	19	300	0	25400	369	20.33	19.12	0.33	18	PVC	0.010	5052546	0.01	1263137	0.02
14	14	New Hampshire Avenue	25.86	19	18	0	19	300	0	25400	31	19.02	18.92	0.32	18	PVC	0.010	5011295	0.01	1252824	0.02
14	14	New Hampshire Avenue	25.91	18	17	0	19	300	0	25400	20	18.82	18.40	2.10	18	PVC	0.010	12786170	0.00	3196542	0.01
14	14	New Hampshire Avenue	25.41	17	16	0	1539	300	0	484800	193	17.79	15.87	0.99	18	PVC	0.010	8800407	0.06	2200102	0.22
14	14	New Hampshire Avenue	24.70	16	OCUA	0	1539	300	0	484800	29	15.77	15.47	1.03	18	PVC	0.010	8974132	0.05	2243533	0.22

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	DAPPLEFIELDS COURT	64.11	38	37	14	14	170	2380	2380	272	56.32	52.34	1.46	8	PVC	0.010	1227819	0.00	306955	0.01
56	56	DAPPLEFIELDS COURT	60.00	37	36	2	16	170	340	2720	72	52.01	50.72	1.79	8	PVC	0.010	1358645	0.00	339661	0.01
56	56	DAPPLEFIELDS COURT	58.90	36	35	0	16	170	0	2720	148	50.65	46.79	2.61	8	PVC	0.010	1639231	0.00	409808	0.01
56	56	GOLDEN SEASONS DRIVE	57.23	35	39	0	100	170	0	17000	204	46.72	45.68	0.51	8	PVC	0.010	724735	0.02	181184	0.09
56	56	GOLDEN SEASONS DRIVE	57.21	39	40	10	110	170	1700	18700	296	45.64	42.35	1.11	8	PVC	0.010	1070113	0.02	267528	0.07
56	56	GOLDEN SEASONS DRIVE	50.52	40	41	13	123	170	2210	20910	302	42.27	39.34	0.97	8	PVC	0.010	999788	0.02	249947	0.08
56	56	GOLDEN SEASONS DRIVE	46.86	41	42	2	125	170	340	21250	89	39.20	38.75	0.51	8	PVC	0.010	721753	0.03	180438	0.12
56	56	GOLDEN SEASONS DRIVE	46.63	42	43	1	126	170	170	21420	130	38.63	37.93	0.54	8	PVC	0.010	744826	0.03	186206	0.12
56	56	GOLDEN SEASONS DRIVE	44.57	43	44	9	135	170	1530	22950	280	37.84	36.71	0.40	8	PVC	0.010	644819	0.04	161205	0.14
56	56	GOLDEN SEASONS DRIVE	42.86	44	45	3	138	170	510	23460	90	36.62	36.27	0.39	8	PVC	0.010	632980	0.04	158245	0.15
56	58	GOLDEN SEASONS DRIVE	42.24	45	10	12	150	170	2040	25500	328	36.25	34.99	0.38	8	PVC	0.010	629109	0.04	157277	0.16
56	58	GOLDEN SEASONS DRIVE	54.31	46	1	8	8	170	1360	1360	252	46.36	42.94	1.36	8	PVC	0.010	1182470	0.00	295618	0.00
58	58	GOLDEN SEASONS DRIVE	50.75	1	2	3	11	170	510	1870	96	42.86	42.21	0.68	8	PVC	0.010	835215	0.00	208804	0.01
58	58	GOLDEN SEASONS DRIVE	49.95	2	3	12	23	170	2040	3910	322	42.15	39.77	0.74	8	PVC	0.010	872646	0.00	218161	0.02
58	58	GOLDEN SEASONS DRIVE	47.87	3	4	2	25	170	340	4250	91	39.72	38.57	1.26	8	PVC	0.010	1141053	0.00	285263	0.01
56	58	SUMMERLAWN DRIVE	47.79	47	5	10	10	170	1700	1700	317	40.74	39.58	0.37	8	PVC	0.010	614012	0.00	153503	0.01
58	58	SUMMERLAWN DRIVE	47.44	5	4	4	14	170	680	2380	151	39.58	38.57	0.67	8	PVC	0.010	830137	0.00	207534	0.01
58	58	GOLDEN SEASONS DRIVE	47.60	4	7	1	40	170	170	6800	79	38.53	38.20	0.42	8	PVC	0.010	656026	0.01	164006	0.04
58	58	GOLDEN SEASONS DRIVE	45.63	7	8	7	47	170	1190	7990	278	38.01	36.85	0.42	8	PVC	0.010	655668	0.01	163917	0.05
58	58	GOLDEN SEASONS DRIVE	43.00	8	9	2	49	170	340	8330	79	36.77	36.45	0.41	8	PVC	0.010	646009	0.01	161502	0.05
58	58	GOLDEN SEASONS DRIVE	42.64	9	10	10	59	170	1700	10030	348	36.42	34.99	0.41	8	PVC	0.010	650663	0.02	162666	0.06
58	58	OFF HAMILTON COURT	40.53	10	11	0	209	170	0	35530	201	34.94	34.08	0.43	8	PVC	0.010	663940	0.05	165985	0.21
58	58	OFF HAMILTON COURT	38.90	11	12	16	225	170	2720	38250	120	34.03	33.82	0.18	8	PVC	0.010	424616	0.09	106154	0.36
58	58	OFF HAMILTON COURT	39.15	12	13	2	227	170	340	38590	178	33.82	32.04	1.00	8	ACP	0.013	780790	0.05	195197	0.20
58	58	OFF HAMILTON COURT	37.95	13	14	6	233	170	1020	39610	128	32.04	29.48	2.00	8	ACP	0.013	1104203	0.04	276051	0.14
58	58	HAMILTON COURT	39.40	18	14	10	10	170	1700	1700	212	33.65	29.48	1.97	8	ACP	0.013	1095051	0.00	273763	0.01
58	58	HAMILTON COURT	36.75	14	15	0	243	170	0	41310	88	29.48	29.04	0.50	8	ACP	0.013	552102	0.07	138025	0.30
58	58	HAMILTON COURT	38.10	17	16	27	27	170	4590	4590	210	33.00	31.74	0.60	8	ACP	0.013	604797	0.01	151199	0.03
58	58	HAMILTON COURT	36.60	16	15	2	29	170	340	4930	166	31.74	29.70	1.23	8	ACP	0.013	865556	0.01	216389	0.02
58	58	HAMILTON COURT	39.90	20	19	4	4	170	680	680	144	32.82	32.24	0.40	8	ACP	0.013	495526	0.00	123882	0.01
58	58	HAMILTON COURT	39.20	19	15	4	8	170	680	1360	182	32.24	29.04	1.76	8	ACP	0.013	1035317	0.00	258829	0.01
58	58	HAMILTON COURT	35.50	15	21	4	284	170	680	48280	202	29.04	28.23	0.40	8	ACP	0.013	494426	0.10	123606	0.39
58	58	HAMILTON COURT	38.50	21	22	16	300	170	2720	51000	400	28.23	26.63	0.40	8	ACP	0.013	493815	0.10	123454	0.41
58	58	HAMILTON COURT	37.60	22	23	2	302	170	340	51340	122	26.63	26.14	0.40	8	ACP	0.013	494826	0.10	123706	0.42
58	58	HAMILTON COURT	32.75	24	23	16	16	170	2720	2720	360	28.30	26.14	0.60	8	ACP	0.013	604797	0.00	151199	0.02
58	58	HAMILTON COURT	37.10	23	25	6	324	170	1020	55080	148	26.14	25.51	0.43	8	ACP	0.013	509417	0.11	127354	0.43
58	58	ARGYLL COURT	40.30	27	25	28	28	170	4760	4760	340	31.68	28.28	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	ARGYLL COURT	36.90	26	25	0	28	170	0	4760	155	26.29	25.51	0.50	8	ACP	0.013	553880	0.01	138470	0.03
58	59	ARGYLL COURT	35.40	25	19	0	352	170	0	59840	285	25.51	24.35	0.41	8	ACP	0.013	498128	0.12	124532	0.48
58	59	ARGYLL CIRCLE	32.00	28	19	22	22	170	3740	3740	150	25.25	24.35	0.60	8	ACP	0.013	604797	0.01	151199	0.02
59	59	OFF ARGYLL CIRCLE	33.30	21	20	14	14	170	2380	2380	110	25.65	24.90	0.68	8	ACP	0.013	644716	0.00	161179	0.01
59	59	OFF ARGYLL CIRCLE	32.80	20	19	0	14	170	0	2380	107	24.90	24.35	0.51	8	ACP	0.013	559788	0.00	139947	0.02
59	59	ARGYLL CIRCLE	32.50	19	18	0	388	170	0	65960	318	24.08	22.17	0.60	8	ACP	0.013	605114	0.11	151278	0.44

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No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
59	59	CLYDEBANK COURT	29.85	25	24	15	15	170	2550	2550	206	25.66	25.00	0.32	8	ACP	0.013	441949	0.01	110487	0.02
59	59	CLYDEBANK COURT	30.00	24	23	10	25	170	1700	4250	176	24.84	24.14	0.40	8	ACP	0.013	492410	0.01	123102	0.03
59	59	CLYDEBANK COURT	29.30	23	22	14	39	170	2380	6630	270	24.14	23.06	0.40	8	ACP	0.013	493815	0.01	123454	0.05
59	59	CLYDEBANK COURT	31.20	22	18	8	47	170	1360	7990	191	23.06	22.17	0.47	8	ACP	0.013	532982	0.01	133245	0.06
59	59	ARGYLL CIRCLE	28.35	18	17	0	435	170	0	73950	210	22.17	21.88	0.14	12	ACP	0.013	855461	0.09	213865	0.35
59	59	ARGYLL CIRCLE	26.85	17	11	0	435	170	0	73950	205	21.88	21.70	0.09	12	ACP	0.013	682135	0.11	170534	0.43
59	59	CLYDEBANK COURT	29.10	31	29	8	8	170	1360	1360	400	25.43	23.83	0.40	8	ACP	0.013	493815	0.00	123454	0.01
59	59	CLYDEBANK COURT	28.50	30	29	4	4	170	680	680	280	25.12	23.83	0.46	8	ACP	0.013	529968	0.00	132492	0.01
59	59	CLYDEBANK COURT	29.00	29	27	2	14	170	340	2380	210	23.83	23.20	0.30	8	ACP	0.013	427656	0.01	106914	0.02
59	59	CLYDEBANK COURT	29.00	28	27	24	24	170	4080	4080	255	24.22	23.20	0.40	8	ACP	0.013	493815	0.01	123454	0.03
59	59	CLYDEBANK COURT	28.60	27	26	24	62	170	4080	10540	356	23.13	22.06	0.30	8	ACP	0.013	428056	0.02	107014	0.10
59	59	CLYDEBANK COURT	28.75	26	11	0	62		0	10540	80	22.06	21.70	0.45	6	ACP	0.013	243204	0.04	60801	0.17
59	59	OFF ARGYLL CIRCLE		16	14	10	10	170	1700	1700	222	24.91	24.02	0.40	8	ACP	0.013	494371	0.00	123593	0.01
59	59	OFF ARGYLL CIRCLE	33.80	15	14	12	12	170	2040	2040	268	27.24	24.02	1.20	8	ACP	0.013	855844	0.00	213961	0.01
59	59	OFF ARGYLL CIRCLE	31.00	14	13	10	32	170	1700	5440	280	24.02	22.90	0.40	8	ACP	0.013	493815	0.01	123454	0.04
59	59	OFF ARGYLL CIRCLE	28.90	13	12	6	38	170	1020	6460	166	22.90	22.23	0.40	8	ACP	0.013	496041	0.01	124010	0.05
59	59	OFF ARGYLL CIRCLE	30.40	12	11	6	44	170	1020	7480	133	22.23	21.59	0.48	8	ACP	0.013	541624	0.01	135406	0.06
59	59	ARGYLL CIRCLE	28.00	11	9	0	541	170	0	91970	205	21.59	21.30	0.14	12	ACP	0.013	865830	0.11	216458	0.42
59	59	OFF ARGYLL CIRCLE	30.15	10	9	28	28	170	4760	4760	110	22.55	21.30	1.14	8	ACP	0.013	832325	0.01	208081	0.02
59	59	CLYDEBANK COURT	29.52	9	7	0	569	170	0	96730	220	21.30	20.99	0.14	12	ACP	0.013	864132	0.11	216033	0.45
59	59	OFF ARGYLL CIRCLE	33.75	8	7	32	32	170	5440	5440	288	27.65	22.98	1.62	6	ACP	0.013	461664	0.01	115416	0.05
59	59	CLYDEBANK COURT	31.43	7	5	0	601	170	0	102170	225	20.99	20.67	0.14	12	ACP	0.013	868149	0.12	217037	0.47
59	59	OFF ARGYLL CIRCLE	34.10	6	5	14	14	170	2380	2380	115	27.79	27.15	0.56	6	ACP	0.013	270461	0.01	67615	0.04
59	59	OFF ARGYLL CIRCLE	33.25	5	4	10	625	170	1700	106250	300	20.67	20.25	0.14	12	ACP	0.013	861340	0.12	215335	0.49
56	56	OFF ARGYLL CIRCLE	41.10	79	80	30	14	170	5100	14	230	35.15	32.85	1.00	8	ACP	0.013	780790	0.00	195197	0.00
56	58	OFF ARGYLL CIRCLE	39.10	80	29	14	28	170	2380	2394	156	32.85	32.07	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	38.40	29	30	0	28	170	0	2394	130	31.94	31.29	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	39.80	30	31	14	42	170	2380	4774	105	31.29	30.24	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	OFF ARGYLL CIRCLE	37.70	31	32	8	50	170	1360	6134	224	30.24	29.12	0.50	8	ACP	0.013	552102	0.01	138025	0.04
58	58	OFF ARGYLL CIRCLE	34.10	32	33	2	52	170	340	6474	96	29.12	28.64	0.50	8	ACP	0.013	552102	0.01	138025	0.05
58	59	OFF ARGYLL CIRCLE	31.60	33	3	12	64	170	2040	8514	362	28.64	27.19	0.40	8	ACP	0.013	494156	0.02	123539	0.07
59	59	OFF ARGYLL CIRCLE	34.70	3	4	14	78	170	2380	10894	352	27.19	25.79	0.40	8	ACP	0.013	492410	0.02	123102	0.09
59	57	ARGYLL CIRCLE	35.65	4	43	0	703	170	0	117144	72	20.25	20.15	0.14	12	ACP	0.013	857916	0.14	214479	0.55
57	57	SHETLAND DRIVE	36.25	43	41	0	703	170	0	117144	212	20.10	19.56	0.25	12	ACP	0.013	1161822	0.10	290456	0.40
57	57	OFF SHETLAND DRIVE	36.95	42	41	12	12	170	2040	2040	140	30.50	28.50	1.43	8	ACP	0.013	933222	0.00	233306	0.01
57	57	From Clubhouse			53	1	1	2000	2000	2000	270	38.15	36.79	0.50	8	ACP	0.013	554143	0.00	138536	0.01
57	57	OFF SHETLAND DRIVE	40.50	53	52	8	9	170	1360	3360	158	36.79	36.00	0.50	8	ACP	0.010	717732	0.00	179433	0.02
57	57	OFF SHETLAND DRIVE	39.70	52	49	4	13	170	680	4040	287	36.00	34.56	0.50	8	ACP	0.010	718982	0.01	179745	0.02
57	57	OFF SHETLAND DRIVE	42.70	50	49	6	6	170	1020	1020	124	37.70	36.40	1.05	8	ACP	0.013	799457	0.00	199864	0.01
57	57	OFF SHETLAND DRIVE	41.10	49	46	8	27	170	1360	6420	269	36.40	32.71	1.37	8	ACP	0.013	914473	0.01	228618	0.03

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No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
57	57	OFF SHETLAND DRIVE	40.10	48	47	12	12	170	2040	2040	89	34.94	34.05	1.00	8	ACP	0.013	780790	0.00	195197	0.01
57	57	OFF SHETLAND DRIVE	38.30	47	46	0	12	170	0	2040	180	33.40	32.71	0.38	8	ACP	0.013	483418	0.00	120854	0.02
57	57	OFF SHETLAND DRIVE	37.95	46	45	0	39	170	0	8460	178	32.71	30.93	1.00	8	ACP	0.013	780790	0.01	195197	0.04
57	57	OFF SHETLAND DRIVE	37.75	45	44	10	49	170	1700	10160	70	30.93	30.23	1.00	8	ACP	0.013	780790	0.01	195197	0.05
57	57	OFF SHETLAND DRIVE	36.90	44	41	0	49	170	0	10160	144	30.23	28.50	1.20	8	ACP	0.013	855807	0.01	213952	0.05
57	57	SHETLAND DRIVE	35.90	41	39	0	764	170	0	129344	125	19.56	19.38	0.14	12	ACP	0.013	873559	0.15	218390	0.59
57	57	OFF SHETLAND DRIVE	35.40	40	39	6	6	170	1020	1020	25	27.30	27.00	1.20	8	ACP	0.013	855312	0.00	213828	0.00
57	57	SHETLAND DRIVE	35.13	39	34	0	770	170	0	130364	315	19.38	18.94	0.14	12	ACP	0.013	860363	0.15	215091	0.61
59	57	OFF SHETLAND DRIVE	36.70	32	38	20	20	170	3400	3400	240	31.04	28.64	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	38	37	10	30	170	1700	5100	180	28.64	27.56	0.60	8	ACP	0.013	604797	0.01	151199	0.03
57	57	OFF SHETLAND DRIVE	34.70	37	35	2	32	170	340	5440	218	27.56	26.65	0.42	8	ACP	0.013	504460	0.01	126115	0.04
57	57	OFF SHETLAND DRIVE	33.70	36	35	10	10	170	1700	1700	102	27.78	26.65	1.11	8	ACP	0.013	821813	0.00	205453	0.01
57	57	OFF SHETLAND DRIVE	33.50	35	34	0	42	170	0	7140	25	26.65	26.00	2.60	8	ACP	0.013	1258986	0.01	314746	0.02
57	57	SHETLAND DRIVE	33.11	34	31	12	824	170	2040	139544	255	18.94	18.58	0.14	12	ACP	0.013	864952	0.16	216238	0.65
57	57	OFF SHETLAND DRIVE	35.70	33	32	20	20	170	3400	3400	120	29.30	28.10	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	32	31	2	22	170	340	3740	110	28.10	25.90	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
57	57	OFF SHETLAND DRIVE	34.60	31	30	2	848	170	340	143624	155	18.58	18.36	0.14	12	ACP	0.013	867274	0.17	216818	0.66
57	57	OFF SHORROCK STREET	31.00	30	27	0	848	170	0	143624	70	18.36	18.25	0.16	12	ACP	0.013	912553	0.16	228138	0.63
57	57	OFF SHORROCK STREET	28.37	27	29	0	1409	170	0	238994	45	18.10	18.00	0.22	12	DIP	0.013	1085187	0.22	271297	0.88
57	53	Force Main	31.00	29	11	0	1409	170	0	238994	2980	18.00	41.00	NA	8	DIP	0.013	NA	NA	NA	NA
55	55	SPRING VALLEY DRIVE	73.55	46	47	14	14	170	2380	2380	338	66.49	63.20	0.97	8	PVC	0.010	1001422	0.00	250355	0.01
55	55	SPRING VALLEY DRIVE	71.18	47	48	1	15	170	170	2550	85	63.08	62.41	0.79	8	PVC	0.010	901167	0.00	225292	0.01
55	55	SPRING VALLEY DRIVE	70.83	48	49	4	19	170	680	3230	250	62.31	57.61	1.88	8	PVC	0.010	1391734	0.00	347934	0.01
55	55	SPRING VALLEY DRIVE	67.20	49	50	4	23	170	680	3910	128	57.53	53.78	2.93	8	PVC	0.010	1737353	0.00	434338	0.01
55	55	DAWNWINDS COURT	64.76	52	51	8	8	170	1360	1360	225	56.79	55.57	0.54	8	PVC	0.010	747422	0.00	186856	0.01
55	55	DAWNWINDS COURT	63.37	51	50	5	13	170	850	2210	186	55.44	53.78	0.89	8	PVC	0.010	958904	0.00	239726	0.01
55	56	SPRINGMEADOW DRIVE	65.25	50	33	0	36	170	0	6120	104	53.68	53.18	0.48	8	PVC	0.010	703794	0.01	175949	0.03
56	56	SPRINGMEADOW DRIVE	64.24	33	32	4	40	170	680	6800	169	53.09	52.31	0.46	8	PVC	0.010	689575	0.01	172394	0.04
55	55	AUTUMNTIDE DRIVE	73.22	53	54	16	16	170	2720	2720	342	64.86	61.49	0.99	8	PVC	0.010	1007580	0.00	251895	0.01
55	55	AUTUMNTIDE DRIVE	67.90	54	55	8	24	170	1360	4080	74	61.43	60.01	1.92	8	PVC	0.010	1406066	0.00	351517	0.01
55	56	AUTUMNTIDE DRIVE	68.55	55	34	16	40	170	2720	6800	270	59.96	56.97	1.11	8	PVC	0.010	1068147	0.01	267037	0.03
56	56	AUTUMNTIDE DRIVE	63.66	34	32	4	44	170	680	7480	167	56.92	52.31	2.76	8	PVC	0.010	1686435	0.00	421609	0.02
56	56	SPRINGMEADOW DRIVE	61.77	32	31	0	84	170	0	14280	150	52.17	51.39	0.52	8	PVC	0.010	731946	0.02	182987	0.08
56	56	SPRINGMEADOW DRIVE	59.19	31	30	0	84	170	0	14280	160	51.20	47.75	2.16	8	PVC	0.010	1490483	0.01	372621	0.04
56	56	SPRINGMEADOW DRIVE	56.13	30	35	0	84	170	0	14280	139	47.64	46.79	0.61	8	PVC	0.010	793742	0.02	198436	0.07
56	56	SPRINGTIDE ROAD	57.48	28	27	4	4	170	680	680	198	50.88	49.62	0.64	8	PVC	0.010	809711	0.00	202428	0.00
56	56	SPRINGTIDE ROAD	61.00	29	27	9	9	170	1530	1530	310	52.70	48.20	1.45	8	PVC	0.010	1222933	0.00	305733	0.01
56	56	AMBERLANDS COURT	56.11	27	26	5	18	170	850	3060	181	48.11	47.03	0.60	8	PVC	0.010	784061	0.00	196015	0.02
56	56	AMBERLANDS COURT	54.08	26	25	3	21	170	510	3570	74	46.82	46.49	0.45	8	PVC	0.010	677826	0.01	169457	0.02
56	56	AMBERLANDS COURT	53.61	25	24	1	22	170	170	3740	50	46.40	46.15	0.50	8	PVC	0.010	717732	0.01	179433	0.02
56	56	AMBERLANDS COURT	53.43	24	23	9	31	170	1530	5270	268	45.99	44.60	0.52	8	PVC	0.010	731000	0.01	182750	0.03
56	56	AMBERLANDS COURT	50.84	23	22	2	33	170	340	5610	100	44.35	43.81	0.54	8	PVC	0.010	745889	0.01	186472	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	SPRINGMEADOW DRIVE	53.06	22	21	0	33	170	0	19890	181	43.75	40.98	1.53	8	PVC	0.010	1255677	0.02	313919	0.06
56	56	SPRINGMEADOW DRIVE	48.95	21	16	0	33	170	0	19890	203	40.92	39.08	0.91	8	PVC	0.010	966359	0.02	241590	0.08
55	55	SPRING VALLEY DRIVE	72.28	43	44	5	5	170	850	850	215	62.87	59.99	1.34	8	PVC	0.010	1174774	0.00	293694	0.00
55	55	SPRING VALLEY DRIVE	68.10	44	45	4	9	170	680	1530	214	59.81	55.01	2.24	8	PVC	0.010	1520167	0.00	380042	0.00
55	56	SPRING VALLEY DRIVE	62.94	45	20	10	19	170	1700	3230	400	54.93	47.25	1.92	8	PVC	0.010	1406462	0.00	351616	0.01
56	56	SPRING VALLEY DRIVE	55.30	20	19	5	24	170	850	4080	137	47.20	45.54	1.21	8	PVC	0.010	1117304	0.00	279326	0.01
56	56	SPRING VALLEY DRIVE	53.44	19	18	6	30	170	1020	5100	197	45.46	42.76	1.37	8	PVC	0.010	1188300	0.00	297075	0.02
56	56	SPRING VALLEY DRIVE	50.54	18	17	13	43	170	2210	7310	318	42.57	39.60	0.93	8	PVC	0.010	980939	0.01	245235	0.03
56	56	SPRING VALLEY DRIVE	45.79	17	16	1	44	170	170	7480	88	39.44	39.08	0.41	8	PVC	0.010	649213	0.01	162303	0.05
56	56	SPRINGMEADOW DRIVE	45.08	16	15	0	77	170	0	27370	241	39.00	37.76	0.51	8	PVC	0.010	728081	0.04	182020	0.15
56	56	SPRINGMEADOW DRIVE	43.40	15	14	0	77	170	0	27370	265	37.61	36.24	0.52	8	PVC	0.010	729818	0.04	182455	0.15
52	52	GREENWAYS LANE	72.40	45	46	13	13	170	2210	2210	301	65.21	54.41	3.59	8	PVC	0.010	1922676	0.00	480669	0.00
52	56	GREENWAYS LANE	61.55	46	1	6	19	170	1020	3230	200	54.28	47.59	3.35	8	PVC	0.010	1856417	0.00	464104	0.01
56	56	GREENWAYS LANE	54.71	1	2	3	22	170	510	3740	101	47.42	45.75	1.65	8	PVC	0.010	1305194	0.00	326298	0.01
56	56	GREENWAYS LANE	53.93	2	3	8	30	170	1360	5100	200	45.66	44.56	0.55	8	PVC	0.010	752764	0.01	188191	0.03
52	52	GARDENWAYS COURT	59.06	51	50	4	4	170	680	680	103	53.86	53.29	0.55	8	PVC	0.010	755086	0.00	188771	0.00
52	52	GARDENWAYS COURT	61.60	50	49	4	8	170	680	1360	150	53.14	52.44	0.47	8	PVC	0.010	693395	0.00	173349	0.01
52	52	GARDENWAYS COURT	64.58	49	48	4	12	170	680	2040	100	52.39	51.96	0.43	8	PVC	0.010	665597	0.00	166399	0.01
52	52	GARDENWAYS COURT	63.03	48	47	6	18	170	1020	3060	151	51.81	50.50	0.87	8	PVC	0.010	945420	0.00	236355	0.01
52	56	GARDENWAYS COURT	57.64	47	3	3	21	170	510	3570	204	50.45	44.60	2.87	8	PVC	0.010	1718859	0.00	429715	0.01
56	56	GREENWAYS LANE	51.82	3	4	7	58	170	1190	9860	192	44.48	43.46	0.53	8	PVC	0.010	739821	0.01	184955	0.05
56	56	GREENWAYS LANE	49.77	4	5	2	60	170	340	10200	93	43.25	42.72	0.57	8	PVC	0.010	766256	0.01	191564	0.05
52	52	GREENWAYS LANE	61.70	52	53	5	5	170	850	850	119	54.48	49.85	3.89	8	PVC	0.010	2002140	0.00	500535	0.00
52	52	GREENWAYS LANE	57.96	53	54	4	9	170	680	1530	99	49.73	45.74	4.03	8	PVC	0.010	2037728	0.00	509432	0.00
52	56	GREENWAYS LANE	54.11	54	6	6	15	170	1020	2550	201	45.66	44.20	0.73	8	PVC	0.010	865079	0.00	216270	0.01
56	56	GREENWAYS LANE	51.30	6	5	12	27	170	2040	4590	277	44.10	42.78	0.48	8	PVC	0.010	700688	0.01	175172	0.03
56	56	GREENWAYS LANE	49.94	5	7	0	87	170	0	14790	158	42.57	41.83	0.47	8	PVC	0.010	695867	0.02	173967	0.09
56	56	OFF GREENWAYS LANE		7	8	0	87	170	0	14790	400	41.83	37.19	1.16	8	PVC	0.010	1093217	0.01	273304	0.05
56	56	QUICKSILVER COURT	45.56	13	12	2	2	170	340	340	87	40.35	39.94	0.47	8	PVC	0.010	696803	0.00	174201	0.00
56	56	QUICKSILVER COURT	47.24	12	11	2	4	170	340	680	62	39.90	39.62	0.45	8	PVC	0.010	682120	0.00	170530	0.00
56	56	QUICKSILVER COURT	48.02	11	10	9	13	170	1530	2210	210	39.55	38.47	0.51	8	PVC	0.010	727913	0.00	181978	0.01
56	56	QUICKSILVER COURT	46.00	10	8	8	21	170	1360	3570	213	38.33	37.24	0.51	8	PVC	0.010	726107	0.00	181527	0.02
56	56	QUICKSILVER COURT	47.23	9	8	12	12	170	2040	2040	250	39.29	37.24	0.82	8	PVC	0.010	919146	0.00	229786	0.01
56	56	OFF QUICKSILVER COURT	43.12	8	14	0	120	170	0	20400	186	37.06	36.20	0.46	8	PVC	0.010	690192	0.03	172548	0.12
56	56	OFF QUICKSILVER COURT	43.12	14	48	0	197	170	0	47770	299	36.10	34.66	0.48	10	DIP	0.013	982441	0.05	245610	0.19
56	56	OFF QUICKSILVER COURT	39.85	48	49	16	213	170	2720	50490	300	34.56	34.05	0.17	10	DIP	0.013	583694	0.09	145924	0.35
56	56	ABERDEEN DRIVE	46.40	54	53	40	40	170	6800	6800	197	39.85	35.91	2.00	8	ACP	0.013	1104203	0.01	276051	0.02
56	56	ABERDEEN DRIVE	42.40	53	52	26	66	170	4420	11220	195	35.91	35.13	0.40	8	ACP	0.013	493815	0.02	123454	0.09
56	56	ABERDEEN DRIVE	40.60	52	50	0	66	170	0	11220	158	35.13	34.67	0.29	8	ACP	0.013	421293	0.03	105323	0.11
56	56	ABERDEEN DRIVE	40.60	51	50	10	10	170	1700	1700	140	35.50	34.67	0.59	8	ACP	0.013	601186	0.00	150297	0.01
56	56	ABERDEEN DRIVE	39.80	50	49	0	76	170	0	12920	114	34.50	33.78	0.63	8	ACP	0.013	620509	0.02	155127	0.08
56	56	ABERDEEN DRIVE	39.50	49	55	8	297	170	1360	64770	75	33.78	33.72	0.08	10	ACP	0.013	400411	0.16	100103	0.65
56	56	ABERDEEN DRIVE	39.70	55	56	0	297	170	0	64770	155	33.55	33.05	0.32	10	ACP	0.013	804044	0.08	201011	0.32
56	56	ABERDEEN DRIVE	42.15	58	57	16	16	170	2720	2720	98	35.14	34.26	0.90	8	ACP	0.013	739882	0.00	184970	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56		42.95	59	57	16	16	170	2720	2720	258	38.48	35.90	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56		41.30	57	56	0	32	170	0	5440	135	34.26	33.05	0.90	8	ACP	0.013	739196	0.01	184799	0.03
56	56		40.30	56	60	0	329	170	0	70210	184	32.88	31.88	0.54	10	ACP	0.013	1043643	0.07	260911	0.27
56	56		44.55	62	61	8	8	170	1360	1360	147	39.41	36.40	2.05	8	ACP	0.013	1117271	0.00	279318	0.00
56	56		41.80	61	60	10	18	170	1700	3060	125	36.40	31.88	3.62	8	ACP	0.013	1484733	0.00	371183	0.01
56	56		37.72	60	63	0	347	170	0	73270	128	31.88	31.48	0.31	10	ACP	0.013	791381	0.09	197845	0.37
56	56	FIFE COURT	40.60	66	65	16	16	170	2720	2720	117	33.41	32.94	0.40	8	ACP	0.013	494869	0.01	123717	0.02
56	56	FIFE COURT	39.80	65	64	8	24	170	1360	4080	265	32.94	31.88	0.40	8	ACP	0.013	493815	0.01	123454	0.03
56	56	OFF FIFE COURT	39.85	67	64	14	14	170	2380	2380	200	33.88	31.88	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56	FIFE COURT	38.35	64	63	8	46	170	1360	7820	50	31.88	31.48	0.80	8	ACP	0.013	698360	0.01	174590	0.04
56	56	FIFE COURT		63	68	0	46	170	0	7820	228	31.48	30.97	0.22	10	ACP	0.013	669543	0.01	167386	0.05
56	56		39.20	69	68	12	12	170	2040	2040	89	31.35	30.97	0.43	8	ACP	0.013	510189	0.00	127547	0.02
56	56			68	70	0	58	170	0	9860	278	30.80	29.98	0.29	10	ACP	0.013	768857	0.01	192214	0.05
56	56		39.40	73	72	14	14	170	2380	2380	185	34.44	33.70	0.40	8	ACP	0.013	493815	0.00	123454	0.02
56	56		38.25	72	71	10	24	170	1700	4080	194	33.70	32.92	0.40	8	ACP	0.013	495086	0.01	123771	0.03
56	56		36.15	71	70	2	26	170	340	4420	118	32.92	32.45	0.40	8	ACP	0.013	492767	0.01	123192	0.04
56	56		34.72	70	74	12	96	170	2040	16320	122	29.98	29.60	0.31	10	ACP	0.013	790083	0.02	197521	0.08
56	56			74	75	0	96	170	0	16320	120	29.60	29.22	0.32	10	ACP	0.013	796640	0.02	199160	0.08
59	59		36.30	2	1	10	10	170	1700	1700	125	31.90	31.40	0.40	8	ACP	0.013	493815	0.00	123454	0.01
56	57		35.40	1	55	4	14	170	680	2380	103	31.40	30.99	0.40	8	ACP	0.013	492615	0.00	123154	0.02
57	56		34.90	55	78	8	22	170	1360	3740	173	30.99	30.30	0.40	8	ACP	0.013	493101	0.01	123275	0.03
56	56		33.65	78	75	8	30	170	1360	5100	220	30.30	29.22	0.49	8	ACP	0.013	547060	0.01	136765	0.04
56	56	ARGYLL COURT	34.80	75	76	0	126	170	0	21420	324	29.22	28.80	0.13	10	ACP	0.013	509698	0.04	127424	0.17
56	57	DUMBARTON DRIVE	36.25	76	12	0	126	170	0	21420	246	28.63	27.90	0.30	10	ACP	0.013	771178	0.03	192795	0.11
57	56	OFF DUMBARTON DRIVE	43.75	13	81	24	24	170	4080	4080	200	37.55	36.52	0.51	8	ACP	0.013	560322	0.01	140081	0.03
56	56	OFF DUMBARTON DRIVE	43.35	81	82	14	38	170	2380	6460	128	36.35	35.45	0.70	8	ACP	0.013	654712	0.01	163678	0.04
56	57	OFF DUMBARTON DRIVE	40.70	82	12	8	46	170	1360	7820	318	34.19	32.60	0.50	8	ACP	0.013	552102	0.01	138025	0.06
57	57	DUMBARTON DRIVE	39.88	12	11	0	46	170	0	7820	380	27.88	26.74	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	43.55	11	10	0	46	170	0	7820	320	26.74	25.78	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	32.80	10	9	0	46	170	0	7820	400	25.78	24.58	0.30	10	ACP	0.013	775392	0.01	193848	0.04
52	52	SUNLIGHT SPRINGS ROAD	59.00	84	85	4	4	170	680	680	192	51.11	46.63	2.33	8	PVC	0.010	1550479	0.00	387620	0.00
52	52	GREENHAVEN COURT	55.85	87	86	4	4	170	680	680	90	48.93	48.34	0.66	8	PVC	0.010	821830	0.00	205458	0.00
52	52	GREENHAVEN COURT	56.90	86	85	10	14	170	1700	2380	292	48.12	46.58	0.53	8	PVC	0.010	737134	0.00	184283	0.01
52	52	SUNLIGHT SPRINGS ROAD	54.67	85	88	7	25	170	1190	4250	255	46.40	43.49	1.14	8	PVC	0.010	1084311	0.00	271078	0.02
52	52	SUNLIGHT SPRINGS ROAD	51.69	88	89	7	32	170	1190	5440	245	43.40	40.30	1.27	8	PVC	0.010	1141761	0.00	285440	0.02
52	52	HEATHERSWAY COURT	49.60	91	90	6	6	170	1020	1020	186	42.06	41.12	0.51	8	PVC	0.010	721581	0.00	180395	0.01
52	52	HEATHERSWAY COURT	47.76	91	89	6	12	170	1020	2040	196	41.00	40.25	0.38	8	PVC	0.010	627885	0.00	156971	0.01
52	56	SUNLIGHT SPRINGS ROAD	49.73	89	83	4	48	170	680	8160	192	40.14	39.16	0.51	8	PVC	0.010	725170	0.01	181293	0.05
56	56	SUNLIGHT SPRINGS ROAD	48.07	83	84	3	51	170	510	8670	76	39.11	38.58	0.70	8	PVC	0.010	847634	0.01	211909	0.04
56	56	SUNLIGHT SPRINGS ROAD	47.50	84	85	5	56	170	850	9520	182	38.54	37.71	0.46	8	PVC	0.010	685458	0.01	171364	0.06
56	56	SPRINGMEADOW DRIVE	46.53	85	86	0	56	170	0	9520	139	37.65	36.95	0.50	8	PVC	0.010	720309	0.01	180077	0.05
52	52	SILVERSIDE ROAD	61.35	97	96	12	12	170	2040	2040	192	53.32	48.51	2.51	8	PVC	0.010	1606569	0.00	401642	0.01
52	52	SILVERSIDE ROAD	58.76	96	93	0	12	170	0	2040	69	48.44	45.50	4.26	8	PVC	0.010	2095205	0.00	523801	0.00

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	GREYLAWN DRIVE	54.29	95	94	12	12	170	2040	2040	107	46.63	46.09	0.50	8	PVC	0.010	721078	0.00	180270	0.01
52	52	GREYLAWN DRIVE	55.20	94	93	0	12	170	0	2040	92	46.03	45.48	0.60	8	PVC	0.010	784811	0.00	196203	0.01
52	52	SPRINGMEADOW DRIVE	56.75	93	92	0	24	170	0	4080	160	45.43	43.08	1.47	8	PVC	0.010	1230131	0.00	307533	0.01
52	56	SPRINGMEADOW DRIVE	51.23	92	87	4	28	170	680	4760	200	43.03	41.45	0.79	8	PVC	0.010	902175	0.01	225544	0.02
56	56	SPRINGMEADOW DRIVE	49.75	87	86	0	28	170	0	4760	300	41.45	36.97	1.49	8	PVC	0.010	1240383	0.00	310096	0.02
56	56		47.57	86	88	0	84	170	0	14280	256	36.85	35.80	0.41	8	PVC	0.010	650058	0.02	162514	0.09
56	56		43.80	88	89	16	100	170	2720	17000	272	35.70	34.07	0.60	8	PVC	0.010	785754	0.02	196439	0.09
56	56		45.35	91	90	23	23	170	3910	3910	198	39.94	38.95	0.50	8	ACP	0.013	552102	0.01	138025	0.03
56	56		46.15	90	89	4	27	170	680	4590	216	38.95	34.07	2.26	8	ACP	0.013	1173592	0.00	293398	0.02
56	56		41.55	89	92	6	133	170	1020	22610	152	34.07	33.16	0.60	8	ACP	0.013	604134	0.04	151033	0.15
56	56		46.45	94	93	22	22	170	3740	3740	330	38.64	36.00	0.80	8	ACP	0.013	698360	0.01	174590	0.02
56	56		42.20	93	92	12	34	170	2040	5780	115	36.00	34.85	1.00	8	ACP	0.013	780790	0.01	195197	0.03
56	56		41.40	92	95	4	171	170	680	29070	168	33.16	32.15	0.60	8	ACP	0.013	605397	0.05	151349	0.19
56	57		41.80	95	7	0	171		0	29070	295	32.15	31.00	0.39	8	ACP	0.013	487497	0.06	121874	0.24
57	57		40.80	8	7	12	12	170	2040	2040	187	32.19	31.00	0.64	8	ACP	0.013	622855	0.00	155714	0.01
57	57		38.50	7	6	12	195	170	2040	33150	360	31.00	28.12	0.80	8	ACP	0.013	698360	0.05	174590	0.19
57	57		33.50	6	5	10	205	170	1700	34850	270	28.12	26.92	0.44	8	ACP	0.013	520526	0.07	130132	0.27
57	53		46.00	1	41	14	14	170	2380	2380	240	40.83	39.87	0.40	8	ACP	0.013	493815	0.00	123454	0.02
53	57		47.30	41	2	8	22	170	1360	3740	237	39.87	35.60	1.80	8	ACP	0.013	1048030	0.00	262008	0.01
57	57		41.00	2	3	8	30	170	1360	5100	193	35.60	33.00	1.35	8	ACP	0.013	906238	0.01	226559	0.02
57	57		37.90	3	4	2	32	170	340	5440	120	33.00	31.70	1.08	8	ACP	0.013	812672	0.01	203168	0.03
57	57		36.50	4	5	14	46	170	2380	7820	118	31.00	26.92	3.46	8	ACP	0.013	1451855	0.01	362964	0.02
57	57		34.75	5	9	0	251	170	0	42670	115	26.92	25.77	1.00	8	ACP	0.013	780790	0.05	195197	0.22
57	57	BUMBARTON DRIVE	33.26	9	14	0	297	170	0	50490	247	24.58	23.84	0.30	10	ACP	0.013	774869	0.07	193717	0.26
57	57	THORNHILL COURT	35.60	14	15	0	297	170	0	50490	165	23.84	23.34	0.30	8	ACP	0.013	429811	0.12	107453	0.47
57	57			16	15	6	6	170	1020	1020	50	25.49	25.34	0.30	8	PVC	0.010	555953	0.00	138988	0.01
57	57	THORNHILL COURT	33.53	15	17	10	313	170	1700	53210	178	23.34	22.81	0.30	10	ACP	0.013	772483	0.07	193121	0.28
53	53			CAP	27	2	2	170	340	340	110	35.41	34.86	0.50	8	ACP	0.013	552102	0.00	138025	0.00
53	53		38.65	27	28	12	14	170	2040	2380	154	34.86	34.09	0.50	8	ACP	0.013	552102	0.00	138025	0.02
53	53		41.67	28	29	16	30	170	2720	5100	242	34.09	29.25	2.00	8	ACP	0.013	1104203	0.00	276051	0.02
53	53		34.86	29	30	8	38	170	1360	6460	125	29.25	28.62	0.50	8	ACP	0.013	554306	0.01	138576	0.05
53	53		32.00	30	31	4	42	170	680	7140	166	28.62	27.96	0.40	8	ACP	0.013	492325	0.01	123081	0.06
53	53		29.98	31	32	10	52	170	1700	8840	258	27.96	26.93	0.40	8	ACP	0.013	493336	0.02	123334	0.07
57	53		35.99	23	35	16	16	170	2720	2720	215	30.85	30.00	0.40	8	ACP	0.013	490935	0.01	122734	0.02
53	53		33.78	35	34	2	18	170	340	3060	122	30.00	28.78	1.00	8	ACP	0.013	780790	0.00	195197	0.02
53	53		36.11	40	39	30	30	170	5100	5100	160	32.16	30.56	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53		35.40	39	38	10	40	170	1700	6800	164	30.56	28.92	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53			CAP	38	4	4	170	680	680	170	30.62	28.92	1.00	8	ACP	0.013	780790	0.00	195197	0.00
53	53		36.03	38	36	0	44	170	0	7480	145	28.92	28.19	0.50	8	ACP	0.013	554002	0.01	138501	0.05
53	53	BLMORAL COURT	34.95	37	36	28	28	170	4760	4760	138	30.95	28.19	2.00	8	ACP	0.013	1104203	0.00	276051	0.02
53	53	BLMORAL COURT	34.43	36	34	0	72	170	0	12240	203	28.19	27.38	0.40	8	ACP	0.013	493206	0.02	123302	0.10

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53		32.24	34	32	0	90	170	0	15300	120	27.38	26.93	0.37	8	ACP	0.013	478134	0.03	119534	0.13
53	53		33.30	32	33	6	148	170	1020	25160	234	26.83	25.88	0.41	8	ACP	0.013	497494	0.05	124374	0.20
53	57		35.30	33	22	4	152	170	680	25840	115	25.88	25.42	0.40	8	ACP	0.013	493815	0.05	123454	0.21
57	57		36.50	22	20	0	152	170	0	25840	192	25.42	24.65	0.40	8	ACP	0.013	494457	0.05	123614	0.21
57	57		37.20	21	20	12	12	170	2040	2040	180	29.35	26.64	1.51	8	ACP	0.013	958037	0.00	239509	0.01
57	57		38.30	20	18	14	178	170	2380	30260	180	24.65	23.93	0.40	8	PVC	0.010	641959	0.05	160490	0.19
57	57		32.75	19	18	14	14	170	2380	2380	215	26.78	25.92	0.40	8	ACP	0.013	493815	0.00	123454	0.02
57	57		35.50	18	17	0	192	170	0	32640	142	23.93	23.36	0.40	8	ACP	0.013	494683	0.07	123671	0.26
57	57		32.45	17	24	44	549	170	7480	93330	133	23.36	22.41	0.71	10	ACP	0.013	1196456	0.08	299114	0.31
57	57		33.40	24	25	8	557	170	1360	94690	348	22.41	21.37	0.30	10	ACP	0.013	773905	0.12	193476	0.49
57	57		31.10	25	26	4	561	170	680	95370	170	21.37	20.70	0.39	10	ACP	0.013	888738	0.11	222184	0.43
57	57	Shorrock St.	39.13	26	29	0	561	170	0	95370	470	20.60	18.70	0.40	10	ACP	0.013	900096	0.11	225024	0.42
23	23	Lehigh Ave.	32.77	5	4	1	1	3000	3000	3000	298.6	25.76	24.65	0.37	8	ACP	0.013	476048	0.01	119012	0.03
23	23	Lehigh Ave.	33.24	4	1	1	2	3000	3000	6000	299.2	24.65	23.40	0.42	8	ACP	0.013	504671	0.01	126168	0.05
23	19	Lehigh Ave.	34.53	1	32	1	3	3000	3000	9000	291	23.40	22.10	0.45	8	ACP	0.013	521866	0.02	130467	0.07
19	19	Lehigh Ave.	31.66	32	30	3	6	3000	9000	18000	395	22.10	20.32	0.45	8	ACP	0.013	524138	0.03	131034	0.14
19	19	Lehigh Ave.	29.17	30	27	2	8	3000	6000	24000	296.6	20.32	19.28	0.35	8	ACP	0.013	462344	0.05	115586	0.21
19	19	Lehigh Ave.	27.66	27	24	1	9	3000	3000	27000	295.5	19.28	18.05	0.42	8	ACP	0.013	503742	0.05	125935	0.21
19	19	Lehigh Ave.	26.22	24	10	1	10	3000	3000	30000	295.9	18.05	16.86	0.40	8	ACP	0.013	495148	0.06	123787	0.24
19	19	Swarthmore Ave.		20	18	3	3	3000	9000	9000	300	21.67	20.48	0.40	8	ACP	0.013	491753	0.02	122938	0.07
19	19	Swarthmore Ave.		18	15	2	5	3000	6000	15000	295	20.48	19.30	0.40	8	ACP	0.013	493815	0.03	123454	0.12
19	19	Swarthmore Ave.		15	14	1	6	3000	3000	18000	300	19.30	18.10	0.40	8	ACP	0.013	493815	0.04	123454	0.15
19	19	Swarthmore Ave.		14	11	1	7	3000	3000	21000	295	18.10	16.92	0.40	8	ACP	0.013	493815	0.04	123454	0.17
19	19	Swarthmore Ave.		11	10	1	8	3000	3000	24000	229.9	16.92	16.01	0.40	8	ACP	0.013	491230	0.05	122808	0.20
19	19	Swarthmore Ave.		10	8	0	18	3000	0	54000	269	16.01	15.24	0.29	10	ACP	0.013	757408	0.07	189352	0.29
19	19	Swarthmore Ave.		8	2	0	18	3000	0	54000	246	15.24	14.38	0.35	10	ACP	0.013	837033	0.06	209258	0.26
21	22	Oberlin Ave. South	51.43	5	4	2	2	3000	6000	6000	396.7	43.66	36.24	1.87	8	ACP	0.013	1067837	0.01	266959	0.02
22	22	Oberlin Ave. South	44.30	4	5	1	3	3000	3000	9000	295.7	36.24	34.40	0.62	8	ACP	0.013	615910	0.01	153978	0.06
22	22	Oberlin Ave. South	41.79	5	6	1	4	3000	3000	12000	295.3	34.40	32.15	0.76	8	ACP	0.013	681544	0.02	170386	0.07
22	22	Oberlin Ave. South	39.42	6	7	1	5	3000	3000	15000	367	32.15	30.50	0.45	8	ACP	0.013	523532	0.03	130883	0.11
22	22	Oberlin Ave. South	43.99	1	2	3	3	3000	9000	9000	307.1	37.04	35.99	0.34	8	ACP	0.013	456550	0.02	114138	0.08
22	22	Oberlin Ave. South	43.05	2	3	0	3	3000	0	9000	277.5	35.99	33.27	0.98	8	ACP	0.013	773013	0.01	193253	0.05
22	22	Oberlin Ave. South	40.25	3	7	0	3	3000	0	9000	274	33.27	30.50	1.01	8	ACP	0.013	785052	0.01	196263	0.05
22	22	Oberlin Ave. South	37.42	7	8	0	8	3000	0	24000	258.5	30.50	28.95	0.60	8	ACP	0.013	604602	0.04	151151	0.16
22	22	Oberlin Ave. South	36.09	8	9	0	8	3000	0	24000	251.7	28.95	27.66	0.51	8	ACP	0.013	558968	0.04	139742	0.17
22	22	Oberlin Ave. South	35.84	9	10	0	8	3000	0	24000	293.3	27.66	26.20	0.50	8	ACP	0.013	550877	0.04	137719	0.17
21	21	Pine Street		PS	1	1	1	2000	2000	2000	1100	Force main			2	DIP	0.013	N/A	N/A	N/A	N/A
25	25	New Hampshire Blvd.	49.30	1	PS	1	1	3000	3000	3000	177	42.96	41.19	1.00	8	DIP	0.013	780790	0.00	195197	0.02
25	21	New Hampshire Blvd.	49.30	PS	1	0	1	3000	0	3000		Force main			4	DIP	0.013	N/A	N/A	N/A	N/A
21	21	Oberlin Ave. South	48.73	1	2	2	4	3000	6000	11000	125.2	43.13	42.57	0.45	8	ACP	0.013	522187	0.02	130547	0.08
21	21	Oberlin Ave. South	52.81	4	2	1	1	3000	3000	3000	97.5	44.39	42.59	1.85	8	ACP	0.013	1060884	0.00	265221	0.01
21	21	Vassar Ave.	50.89	2	3	1	6	3000	3000	17000	271.3	42.51	41.39	0.41	8	ACP	0.013	501670	0.03	125418	0.14
21	26	Vassar Ave.	49.60	3	1	1	7	3000	3000	20000	294.8	41.39	40.19	0.41	8	ACP	0.013	498151	0.04	124538	0.16
26	26	Vassar Ave.	48.12	1	2	0	7	3000	0	20000	295.7	40.19	38.88	0.44	8	ACP	0.013	519690	0.04	129922	0.15
26	26	Vassar Ave.	46.60	2	5	2	9	3000	6000	26000	397.7	38.88	37.06	0.46	8	ACP	0.013	528192	0.05	132048	0.20
26	26	Vassar Ave.	44.30	5	6	1	10	3000	3000	29000	240	37.06	36.16	0.38	8	ACP	0.013	478134	0.06	119534	0.24

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No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
26	26	Vassar Ave.	40.51	7	6	0	0	3000	0	0	297	32.19	31.49	0.24	12	ACP	0.013	1117588	0.00	279397	0.00
26	26	Vassar Ave.	42.60	6	9	2	12	3000	6000	35000	244	31.49	31.01	0.20	12	ACP	0.013	1021025	0.03	255256	0.14
26	26	Vassar Ave.	41.32	9	11	1	13	3000	3000	38000	225.7	31.01	30.51	0.22	12	ACP	0.013	1083503	0.04	270876	0.14
26	22	Vassar Ave.	40.41	11	19	0	13	3000	0	38000	380.7	30.51	29.70	0.21	12	ACP	0.013	1061847	0.04	265462	0.14
22	22	Vassar Ave.	40.94	19	17	2	15	3000	6000	44000	390.5	29.70	28.82	0.23	12	ACP	0.013	1092802	0.04	273201	0.16
22	22	Vassar Ave.	39.00	17	16	0	15	3000	0	44000	386.8	28.82	27.94	0.23	12	ACP	0.013	1098017	0.04	274504	0.16
22	22	Vassar Ave.	39.80	16	13	2	17	3000	6000	50000	301.6	27.94	27.13	0.27	12	ACP	0.013	1192992	0.04	298248	0.17
22	22	Vassar Ave.	38.30	13	12	1	18	3000	3000	53000	395.4	27.13	26.53	0.15	12	ACP	0.013	896743	0.06	224186	0.24
22	22	Vassar Ave.	36.79	12	10	0	18	3000	0	53000	295.8	26.53	25.96	0.19	12	ACP	0.013	1010530	0.05	252632	0.21
22	22	Oberlin Ave. South	35.37	10	11	1	27	3000	3000	80000	242.7	25.96	25.42	0.22	12	ACP	0.013	1085857	0.07	271464	0.29
22	18	Oberlin Ave. South	37.69	11	15	0	27	3000	0	80000	247	25.42	24.86	0.23	12	ACP	0.013	1096115	0.07	274029	0.29
18	18	Oberlin Ave. North	37.67	15	15(drop)	1	28	3000	3000	83000	292.7	24.86	24.09	0.26	12	ACP	0.013	1180714	0.07	295179	0.28
18	18	Oberlin Ave. North	35.66	15(drop)	14	1	29	3000	3000	86000	293	24.09	23.46	0.22	12	ACP	0.013	1067449	0.08	266862	0.32
18	18	Oberlin Ave. North	34.05	14	12	1	30	3000	3000	89000	293.7	23.46	22.94	0.18	12	ACP	0.013	968636	0.09	242159	0.37
18	18	Oberlin Ave. North	32.60	12	10	3	33	3000	9000	98000	396.6	22.94	22.04	0.23	12	ACP	0.013	1096619	0.09	274155	0.36
18	18	Oberlin Ave. North	29.72	10	9	1	34	3000	3000	101000	394	22.04	18.35	0.94	12	ACP	0.013	2227798	0.05	556950	0.18
18	19	Oberlin Ave. North	26.72	9	1	2	36	3000	6000	107000	298	18.35	15.67	0.90	12	ACP	0.013	2183082	0.05	545770	0.20
18	18	Kenyon Dr.	53.98	6	7	0	0	3000	0	0	316	46.89	31.57	4.85	8	PVC	0.010	2234927	0.00	558732	0.00
18	14	Kenyon Dr.	41.00	7	37	0	0	3000	0	0	250	31.50	21.26	4.10	8	PVC	0.010	2054269	0.00	513567	0.00
14	14	Kenyon Dr.	30.29	37	35	1	1	3000	3000	3000	349	21.23	18.25	0.85	8	PVC	0.010	937935	0.00	234484	0.01
14	14	Swarthmore Ave.	26.75	34	35	1	1	3000	3000	3000	257.2	19.23	18.25	0.38	8	ACP	0.013	481961	0.01	120490	0.02
14	14	Swarthmore Ave.	26.66	35	39	1	3	3000	3000	9000	393.5	18.02	17.19	0.21	12	ACP	0.013	1057249	0.01	264312	0.03
14	14	Swarthmore Ave.	25.96	39	40	1	4	3000	3000	12000	397.6	17.19	16.40	0.20	12	ACP	0.013	1026127	0.01	256532	0.05
14	18	Swarthmore Ave.	24.32	40	8	1	5	3000	3000	15000	296.2	16.40	15.81	0.20	12	ACP	0.013	1027411	0.01	256853	0.06
18	19	Swarthmore Ave.	26.06	8	1	1	6	3000	3000	18000	339.8	15.81	15.11	0.21	12	ACP	0.013	1044836	0.02	261209	0.07
19	19	Swarthmore Ave.	24.41	1	2	2	44	3000	6000	131000	295	15.11	14.16	0.32	14	ACP	0.013	1970545	0.07	492636	0.27
19	19	Swarthmore Ave.	22.90	2	3	0	62	3000	0	185000	223.9	14.13	13.66	0.21	14	ACP	0.013	1590953	0.12	397738	0.47
19	19	Offroad	24.04	3	4	0	62	3000	0	185000	225.4	13.66	13.08	0.26	14	ACP	0.013	1761459	0.11	440365	0.42
					OCUA																
29	29	Airport Rd.	45.53	11	14	2	2	3000	6000	6000	350	38.58	35.00	1.02	8	ACP	0.013	789663	0.01	197416	0.03
29	30	Airport Rd.	41.87	14	1	1	3	3000	3000	9000	400	35.00	30.20	1.20	8	ACP	0.013	855312	0.01	213828	0.04
29	29	Offroad	39.90	18	16	1	1	3000	3000	3000	320	31.88	30.54	0.42	8	ACP	0.013	505256	0.01	126314	0.02
29	30	Offroad	38.00	16	1	0	1	3000	0	3000	80	30.54	30.20	0.43	8	ACP	0.013	509013	0.01	127253	0.02
30	30	Airport Rd.	39.15	1	2	0	4	3000	0	12000	295	29.87	29.22	0.22	12	ACP	0.013	1080579	0.01	270145	0.04
30	30	Airport Rd.	38.62	2	4	2	6	2500	5000	17000	375	29.22	27.44	0.47	12	ACP	0.013	1586007	0.01	396502	0.04
30	30	Airport Rd.	38.67	4	5	0	6	3000	0	17000	310	27.39	26.58	0.26	12	PVC	0.010	1529734	0.01	382433	0.04
30	30	Airport Rd.	37.13	5	6	0	6	3000	0	17000	315	26.53	25.71	0.26	12	PVC	0.010	1526883	0.01	381721	0.04
30	30	Airport Rd.	35.55	6	7	0	6	3000	0	17000	400	25.66	24.62	0.26	12	PVC	0.010	1525952	0.01	381488	0.04
30	27	Airport Rd.	35.30	7	8	0	6	3000	0	17000	400	24.57	23.53	0.26	12	PVC	0.010	1525952	0.01	381488	0.04
30	30	Energy Way	37.60	12	13	2	2	3000	6000	6000	50	28.01	27.76	0.50	12	PVC	0.010	2116114	0.00	529029	0.01
30	30	Energy Way	37.32	13	11	0	2	3000	0	6000	98	27.76	27.53	0.23	12	PVC	0.010	1449790	0.00	362447	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
30	30	Energy Way	35.00	15	11	0	0	3000	0	0	345	28.91	27.53	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
30	30	Energy Way	36.80	11	8	0	2	3000	0	6000	258	27.31	26.09	0.47	12	PVC	0.010	2057900	0.00	514475	0.01
30	27	Energy Way	35.35	8	10	0	2	3000	0	6000	59	26.09	25.76	0.56	12	PVC	0.010	2238129	0.00	559532	0.01
27	27	Energy Way	34.98	10	8	0	2	3000	0	6000	393	25.76	23.81	0.50	12	PVC	0.010	2108022	0.00	527006	0.01
27	27	Airport Rd.	34.70	8	7	0	8	3000	0	23000	310	23.48	22.67	0.26	12	PVC	0.010	1529734	0.02	382433	0.06
27	27	Airport Rd.	33.15	7	6	0	8	3000	0	23000	335	22.62	21.75	0.26	12	PVC	0.010	1525075	0.02	381269	0.06
27	27	Airport Rd.	32.75	6	5	3	11	2000	6000	29000	400	21.70	20.66	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
27	27	Airport Rd.	30.75	5	4	0	11	3000	0	29000	400	20.61	19.57	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
27	27	Airport Rd.	29.91	4	1	2	13	2500	5000	34000	400	19.52	18.48	0.26	12	PVC	0.010	1525952	0.02	381488	0.09
27	23	Airport Rd.	29.92	1	17	1	14	3000	3000	37000	390	18.43	17.43	0.26	12	PVC	0.010	1515381	0.02	378845	0.10
27	27	Cedar Bridge Ave.	28.55	3	2	0	0	2000	0	0	395.1	19.48	18.48	0.25	10	ACP	0.013	712209	0.00	178052	0.00
27	23	Cedar Bridge Ave.	29.91	2	17	0	0	2000	0	0	395.1	18.48	17.30	0.30	12	ACP	0.013	1258051	0.00	314513	0.00
23	23	Cedar Bridge Ave.	29.06	17	17A	0	14	2000	0	37000	43	17.30	16.78	1.21	12	PVC	0.010	3290952	0.01	822738	0.04
23	23	Cedar Bridge Ave.	31.53	14	15	1	1	3000	3000	3000	247.2	23.75	22.55	0.49	8	ACP	0.013	544002	0.01	136000	0.02
23	23	Cedar Bridge Ave.	31.07	15	16 (Drop)	0	1	3000	0	3000	244.8	22.55	21.26	0.53	12	ACP	0.013	1671090	0.00	417773	0.01
23	23	Cedar Bridge Ave.	30.25	16 (Drop)	17A	0	15	3000	0	40000	231	16.78	16.50	0.12	12	PVC	0.010	1041903	0.04	260476	0.15
23	23	Cedar Bridge Ave.	30.25	17A	17B	0	29	3000	0	77000	300	16.50	16.10	0.13	12	PVC	0.010	1092757	0.07	273189	0.28
23	23	Offroad	30.25	17B	13	0	29	3000	0	77000	238	16.10	15.81	0.12	12	PVC	0.010	1044635	0.07	261159	0.29
23	23	Offroad	30.25	13	12	0	29	3000	0	77000	248.2	15.81	15.28	0.21	12	ACP	0.013	1063770	0.07	265943	0.29
23	23	Offroad	26.94	12	6	0	29	3000	0	77000	294.4	15.28	14.62	0.22	12	ACP	0.013	1089968	0.07	272492	0.28
23	23	Swarthmore Ave.	29.54	6	7	1	30	3000	3000	80000	198.4	14.62	14.22	0.20	12	ACP	0.013	1033641	0.08	258410	0.31
23	23	Swarthmore Ave.	30.62	7	8	1	31	3000	3000	83000	196.3	14.22	13.69	0.27	12	ACP	0.013	1196158	0.07	299040	0.28
24	24	Rutgers Blvd.	30.99	8	7	0	0	3000	0	0	300.3	23.24	22.09	0.38	8	PVC	0.010	628129	0.00	157032	0.00
24	24	Rutgers Blvd.	29.42	7	6	0	0	3000	0	0	298.7	22.09	20.93	0.39	8	PVC	0.010	632541	0.00	158135	0.00
24	24	Rutgers Blvd.	29.97	6	5	1	1	3000	3000	3000	318.2	20.93	19.64	0.41	8	PVC	0.010	646282	0.00	161571	0.02
24	24	Rutgers Blvd.	28.36	5	4	0	1	3000	0	3000	216.9	19.64	18.85	0.36	8	PVC	0.010	612578	0.00	153144	0.02
24	24	Rutgers Blvd.	27.41	4	2	0	1	3000	0	3000	175.4	18.85	17.84	0.58	8	PVC	0.010	770235	0.00	192559	0.02
24	23	Rutgers Blvd.	28.76	2	11	1	2	3000	3000	6000	306.2	17.84	16.64	0.39	8	PVC	0.010	635427	0.01	158857	0.04
23	23	Rutgers Blvd.	30.53	11	10	2	4	3000	6000	12000	398.1	16.64	15.21	0.36	8	PVC	0.010	608344	0.02	152086	0.08
23	23	Rutgers Blvd.	30.03	10	8	0	4	3000	0	12000	130	15.21	14.39	0.63	8	PVC	0.010	806144	0.01	201536	0.06
23	23	Swarthmore Ave.	31.57	8	9	2	37	3000	6000	101000	397.9	13.69	12.91	0.20	14	ACP	0.013	1537432	0.07	384358	0.26
23	24	Swarthmore Ave.	31.33	9	1	2	39	3000	6000	107000	395.6	12.91	12.31	0.15	14	ACP	0.013	1352331	0.08	338083	0.32
24	20	Swarthmore Ave.	32.21	1	11	1	40	3000	3000	110000	370.4	12.31	11.52	0.21	14	ACP	0.013	1603665	0.07	400916	0.27
20	20	Swarthmore Ave.	28.90	11	10	1	41	3000	3000	113000	248.1	11.52	10.99	0.21	14	ACP	0.013	1604945	0.07	401236	0.28
20	20	Swarthmore Ave.	26.98	10	9	0	41	3000	0	113000	295.1	10.99	10.26	0.25	14	ACP	0.013	1727080	0.07	431770	0.26
20	20	Swarthmore Ave.	25.50	9	8	1	42	3000	3000	116000	294.1	10.26	9.67	0.20	14	ACP	0.013	1555300	0.07	388825	0.30
20	20	Rutgers Blvd.	29.94	18	17	0	0	3000	0	0	411	22.58	20.51	0.50	8	PVC	0.010	720347	0.00	180087	0.00
20	20	Rutgers Blvd.	27.91	17	16	1	1	3000	3000	3000	302	20.51	19.03	0.49	8	PVC	0.010	710567	0.00	177642	0.02
20	20	Rutgers Blvd.	26.25	16	15	1	2	3000	3000	6000	208.5	19.03	17.90	0.54	8	PVC	0.010	747246	0.01	186812	0.03
20	20	Rutgers Blvd.	25.50	15	14	0	2	3000	0	6000	245.9	17.90	17.00	0.37	8	PVC	0.010	614072	0.01	153518	0.04
20	20	Rutgers Blvd.	29.33	14	13	0	2	3000	0	6000	396.5	17.00	15.49	0.38	8	PVC	0.010	626389	0.01	156597	0.04
20	20	Rutgers Blvd.	26.99	13	12	0	2	3000	0	6000	394.5	15.49	13.79	0.43	8	PVC	0.010	666313	0.01	166578	0.04
20	20	Rutgers Blvd.	24.37	12	8	0	2	3000	0	6000	129	13.79	13.27	0.40	8	PVC	0.010	644443	0.01	161111	0.04
20	20	Swarthmore Ave.	24.10	8	7	1	45	3000	3000	125000	155.1	9.67	9.22	0.29	14	ACP	0.013	1870406	0.07	467602	0.27
20	20	Swarthmore Ave.	23.20	7	6	0	45	3000	0	125000	190.9	9.22	8.96	0.14	14	ACP	0.013	1281502	0.10	320375	0.39

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
19	19	Swarthmore Ave.	30.10	21	22	1	1	3000	3000	3000	395	22.57	15.78	1.72	8	ACP	0.013	1023695	0.00	255924	0.01
19	20	Swarthmore Ave.	23.29	22	6	1	2	3000	3000	6000	300.8	15.78	14.27	0.50	8	ACP	0.013	553202	0.01	138300	0.04
20	20	Swarthmore Ave.	22.21	6	1	0	47	3000	0	131000	395.6	8.96	8.09	0.22	14	ACP	0.013	1628422	0.08	407106	0.32
20	20	Offroad	18.38	1	2	0	47	3000	0	131000	110.3	8.09	7.45	0.58	14	ACP	0.013	2645074	0.05	661268	0.20
					OCUA																
28	28	New Hampshire Ave.	59.91	1	2	0	0	3000	0	0	321	53.74	53.29	0.14	12	ACP	0.013	861915	0.00	215479	0.00
28	28	New Hampshire Ave.	60.77	2	3	1	1	3000	3000	3000	408	53.29	52.13	0.28	12	ACP	0.013	1227467	0.00	306867	0.01
28	28	New Hampshire Ave.	59.58	3	4	0	1	3000	0	3000	192	52.13	51.87	0.14	12	ACP	0.013	847124	0.00	211781	0.01
28	28	Oak St.	58.90	4	5	1	2	10000	10000	13000	428	51.87	50.92	0.22	12	ACP	0.013	1084553	0.01	271138	0.05
28	28	Oak St.	59.08	5	6	1	3	3000	3000	16000	429	50.92	49.97	0.22	12	ACP	0.013	1083288	0.01	270822	0.06
28	28	Oak St.	57.27	6	7	0	3	3000	0	16000	445	49.97	49.04	0.21	12	ACP	0.013	1052379	0.02	263095	0.06
28	28	Oak St.	62.18	10	9	4	4	3000	12000	12000	270	57.00	55.05	0.72	8	ACP	0.013	663544	0.02	165886	0.07
28	28	Oak St.	60.68	9	8	1	5	3000	3000	15000	300	55.05	52.28	0.92	8	ACP	0.013	750263	0.02	187566	0.08
28	28	Oak St.	57.43	8	7	1	6	3000	3000	18000	300	52.28	49.04	1.08	8	ACP	0.013	811420	0.02	202855	0.09
28	28	Towbin Ave.	54.41	12	11	2	2	3000	6000	6000	245	50.29	49.80	0.20	12	ACP	0.013	1029499	0.01	257375	0.02
28	28	Towbin Ave.	57.91	11	7	2	4	3000	6000	12000	400	49.80	49.04	0.19	12	ACP	0.013	1003431	0.01	250858	0.05
28	28	Towbin Ave.	56.74	7	13	1	14	3000	3000	49000	302	49.04	47.73	0.43	12	ACP	0.013	1516153	0.03	379038	0.13
28	28	Towbin Ave.	55.48	13	14	2	16	3000	6000	55000	298	47.73	46.52	0.41	12	ACP	0.013	1466882	0.04	366721	0.15
28	33	Towbin Ave.	54.27	14	8	2	18	3000	6000	61000	383	46.52	44.81	0.45	12	ACP	0.013	1538188	0.04	384547	0.16
33	33	Towbin Ave.	52.95	8	7	1	19	3000	3000	64000	400	44.81	43.54	0.32	12	ACP	0.013	1297127	0.05	324282	0.20
33	33	Towbin Ave.	51.50	7	6	0	19	3000	0	64000	122	43.54	43.44	0.08	12	ACP	0.013	659069	0.10	164767	0.39
33	33	Healthcare Way	51.94	1	2	1	1	3000	3000	3000	301	46.20	45.78	0.14	12	ACP	0.013	859908	0.00	214977	0.01
33	33	Healthcare Way	45.78	2	3	0	1	3000	0	3000	349	45.78	45.24	0.15	12	ACP	0.013	905514	0.00	226378	0.01
33	33	Healthcare Way	49.00	3	4	0	1	3000	0	3000	275	45.24	44.72	0.19	12	ACP	0.013	1001028	0.00	250257	0.01
33	33	Healthcare Way	49.74	4	5	0	1	3000	0	3000	382	44.72	44.16	0.15	12	ACP	0.013	881400	0.00	220350	0.01
33	33	Healthcare Way	48.38	5	6	0	1	3000	0	3000	398	44.16	43.44	0.18	12	ACP	0.013	979119	0.00	244780	0.01
33	33	Towbin St.	50.77	6	9	1	21	3000	3000	70000	315	43.44	42.74	0.22	12	ACP	0.013	1085187	0.06	271297	0.26
33	33	Towbin St.	49.71	9	10	1	22	3000	3000	73000	270	42.74	42.48	0.10	12	ACP	0.013	714357	0.10	178589	0.41
33	33	Towbin St.	48.54	10	11	1	23	3000	3000	76000	294	42.48	42.24	0.08	12	ACP	0.013	657723	0.12	164431	0.46
28	33	Paco Way		15	8	1	1	3000	3000	3000	195	45.92	45.59	0.17	14	ACP	0.013	1428483	0.00	357121	0.01
33	33	Paco Way		8	9	1	2	3000	3000	6000	310	45.59	45.06	0.17	14	ACP	0.013	1435796	0.00	358949	0.02
33	34	Paco Way		9	1	2	4	3000	6000	12000	355	45.06	44.45	0.17	14	ACP	0.013	1439416	0.01	359854	0.03
34	34	Paco Way		1	2	0	4	3000	0	12000	400	44.45	43.77	0.17	14	ACP	0.013	1431726	0.01	357932	0.03
34	33	Paco Way		2	13	1	5	2000	2000	14000	303	43.77	43.14	0.21	14	ACP	0.013	1583378	0.01	395844	0.04
33	33	Offroad		13	12	0	5	3000	0	14000	322	43.14	42.63	0.16	14	ACP	0.013	1381951	0.01	345488	0.04
33	33	Offroad		12	11	0	5	3000	0	14000	280	42.63	42.24	0.14	14	ACP	0.013	1295952	0.01	323988	0.04
33	33	Towbin St.		11	15	0	28	3000	0	90000	315	42.24	41.73	0.16	12	ACP	0.013	926276	0.10	231569	0.39
33	33	Towbin St.	45.20	15	16	1	29	3000	3000	93000	175	41.73	40.76	0.55	12	ACP	0.013	1713869	0.05	428467	0.22
33	33	Towbin St.	46.30	16	17	1	30	3000	3000	96000	269	40.76	40.31	0.17	12	ACP	0.013	941545	0.10	235386	0.41

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
33	33	Service	41.60	19	18	0	0	3000	0	0	75	41.64	40.97	0.89	6	PVC	0.010	445466	0.00	111366	0.00
33	33	Service	40.97	18	17	0	0	3000	0	0	18	40.97	40.81	0.89	6	PVC	0.010	444356	0.00	111089	0.00
33	39	Towbin St.	46.30	17	16	0	30	3000	0	96000	135	40.31	40.08	0.17	12	ACP	0.013	950184	0.10	237546	0.40
39	40	Route 70	44.96	16	1	0	30	300	0	96000	420	40.08	39.66	0.10	12	ACP	0.013	727965	0.13	181991	0.53
40	40	Plymouth Dr.	44.96	1	2	0	30	300	0	96000	60	39.66	39.60	0.10	12	ACP	0.013	727965	0.13	181991	0.53
40	40	Plymouth Dr.	44.96	2	3	0	40	300	0	97700	119	39.60	39.48	0.10	12	ACP	0.013	731018	0.13	182754	0.53
39	40	Plymouth Dr.	?	18	2	10	10	170	1700	1700	370	41.93	40.45	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Plymouth Dr.	45.48	3	4	20	60	170	3400	101100	226	39.48	39.25	0.10	12	ACP	0.013	734379	0.14	183595	0.55
40	40	Plymouth Dr.	46.47	4	5	6	66	170	1020	102120	142	39.25	39.11	0.10	12	ACP	0.013	722821	0.14	180705	0.57
40	40	Plymouth Dr.	45.50	5	6	12	78	170	2040	104160	80	39.11	39.03	0.10	12	ACP	0.013	727965	0.14	181991	0.57
40	40	Plymouth Dr.	44.30	8	7	22	22	170	3740	3740	224	39.59	38.72	0.39	8	ACP	0.013	486597	0.01	121649	0.03
40	40	Plymouth Dr.	43.08	7	6	0	22	170	0	3740	92	38.72	38.39	0.36	8	ACP	0.013	467624	0.01	116906	0.03
40	40	Plymouth Dr.	42.30	6	9	0	100	170	0	107900	338	38.39	37.99	0.12	12	ACP	0.013	791922	0.14	197981	0.55
40	40	Plymouth Dr.	44.30	9	12	8	108	170	1360	109260	237	37.99	37.06	0.39	12	ACP	0.013	1442043	0.08	360511	0.30
40	40	Plymouth Dr.	43.14	11	10	10	10	170	1700	1700	174	42.03	41.33	0.40	8	ACP	0.013	495232	0.00	123808	0.01
40	40	Plymouth Dr.	43.62	10	12	6	16	170	1020	2720	235	41.33	39.00	0.99	8	ACP	0.013	777460	0.00	194365	0.01
40	40	Plymouth Dr.	40.36	12	14	12	136	170	2040	114020	225	38.45	38.22	0.10	12	ACP	0.013	736010	0.15	184002	0.62
40	40	Plymouth Dr.	44.60	14	17	0	136	170	0	114020	158	38.22	38.06	0.10	12	ACP	0.013	732558	0.16	183140	0.62
40	40	Plymouth Dr.	40.62	17	18	24	160	170	4080	118100	140	38.06	37.92	0.10	12	ACP	0.013	727965	0.16	181991	0.65
40	40	Plymouth Dr.	40.63	18	19	6	166	170	1020	119120	195	37.92	37.79	0.07	12	ACP	0.013	594381	0.20	148595	0.80
40	40	Plymouth Dr.	43.50	15	16	34	34	170	5780	5780	247	40.72	39.73	0.40	8	ACP	0.013	494314	0.01	123579	0.05
40	40	Plymouth Dr.	44.40	16	19	14	48	170	2380	8160	402	39.73	38.12	0.40	8	ACP	0.013	494122	0.02	123530	0.07
40	40	Plymouth Dr.	41.72	19	20	14	228	170	2380	129660	400	37.79	37.31	0.12	12	ACP	0.013	797446	0.16	199362	0.65
34	34	Plymouth Dr.	43.80	42	43	18	18	170	3060	3060	203	39.78	38.97	0.40	8	ACP	0.013	493206	0.01	123302	0.02
34	40	Plymouth Dr.	40.57	43	20	10	28	170	1700	4760	332	38.97	37.64	0.40	8	ACP	0.013	494186	0.01	123547	0.04
40	40	Plymouth Dr.	40.00	20	21	0	256	170	0	134420	90	37.31	37.20	0.12	12	ACP	0.013	804796	0.17	201199	0.67
40	40	Plymouth Dr.	39.50	21	22	0	256	170	0	134420	175	37.15	36.15	0.57	12	ACP	0.013	1740170	0.08	435043	0.31
44	45	Locust St.	Abandoned	30	1	0	0	170	0	0	265	Force Main			4	ACP	0.013	NA	NA	NA	NA
45	45	Offroad	Abandoned	1	2	0	0	170	0	0	325	54.10	52.81	0.40	4	ACP	0.013	77471	0.00	19368	0.00
45	45	Offroad	59.00	2	3	0	0	170	0	0	400	52.81	51.26	0.39	8	ACP	0.013	486038	0.00	121509	0.00
45	45	Offroad	57.00	3	4	0	0	170	0	0	381	51.26	49.70	0.41	8	ACP	0.013	499613	0.00	124903	0.00
45	45	Offroad	52.52	4	5	0	0	170	0	0	60	49.70	49.61	0.15	8	ACP	0.013	302399	0.00	75600	0.00
45	45	Offroad	52.40	5	6	4	4	170	680	680	144	49.61	49.18	0.30	8	ACP	0.013	426665	0.00	106666	0.01
45	45	Buckingham Ct.	52.25	6	7	2	6	170	340	1020	138	49.13	48.72	0.30	8	ACP	0.013	425585	0.00	106396	0.01
45	39	Buckingham Ct.	52.95	7	34	16	22	170	2720	3740	430	48.72	47.44	0.30	8	ACP	0.013	425995	0.01	106499	0.04
39	39	Jefferson Ct.	54.64	34	29	20	42	170	3400	7140	348	47.44	46.40	0.30	8	ACP	0.013	426836	0.02	106709	0.07
39	39	Jefferson Ct.	54.70	29	30	10	52	170	1700	8840	268	46.37	45.57	0.30	8	ACP	0.013	426591	0.02	106648	0.08
39	39	Jefferson Ct.		30	31	8	60	170	1360	10200	190	45.57	45.00	0.30	8	ACP	0.013	427656	0.02	106914	0.10
39	39	Kingston Ct.	52.30	19	20	10	10	170	1700	1700	120	49.37	48.89	0.40	8	ACP	0.013	493815	0.00	123454	0.01
39	39	Kingston Ct.	52.45	20	21	4	14	170	680	2380	137	48.79	48.24	0.40	8	ACP	0.013	494715	0.00	123679	0.02
39	39	Kingston Ct.	51.30	21	22	10	24	170	1700	4080	320	48.14	47.18	0.30	8	ACP	0.013	427656	0.01	106914	0.04
39	39	Kingston Ct.	51.61	22	25	10	34	170	1700	5780	303	47.13	46.22	0.30	8	ACP	0.013	427891	0.01	106973	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
39	39	Kingston Ct.	55.30	24	25	18	18	170	3060	3060	264	49.31	46.67	1.00	8	ACP	0.013	780790	0.00	195197	0.02
39	39	Kingston Ct.	52.20	25	27	0	52	170	0	8840	178	46.17	45.64	0.30	8	ACP	0.013	426051	0.02	106513	0.08
39	39	Kingston Ct.	54.50	26	27	16	16	170	2720	2720	410	49.84	45.74	1.00	8	ACP	0.013	780790	0.00	195197	0.01
39	39	Kingston Ct.	50.72	23	28	30	30	170	5100	5100	436	47.26	45.95	0.30	8	ACP	0.013	427983	0.01	106996	0.05
39	39	Kingston Ct.	50.50	28	27	2	32	170	340	5440	84	45.95	45.69	0.31	8	ACP	0.013	434391	0.01	108598	0.05
39	39	Kingston Ct.	50.70	27	31	0	100	170	0	17000	213	45.64	45.00	0.30	8	ACP	0.013	427991	0.04	106998	0.16
39	39	Jefferson Ct.	50.42	31	32	2	162	170	340	27540	53	44.92	44.83	0.17	12	ACP	0.013	948624	0.03	237156	0.12
39	39	Jefferson Ct.	50.70	32	33	0	162	170	0	27540	115	44.78	44.60	0.16	12	ACP	0.013	910748	0.03	227687	0.12
39	39	Huntingdon Dr.	49.10	33	35	0	162	170	0	27540	346	44.55	44.00	0.16	12	ACP	0.013	917813	0.03	229453	0.12
45	45	Buckingham Ct.	54.00	12	11	28	28	170	4760	4760	252	47.41	46.60	0.32	8	ACP	0.013	442666	0.01	110667	0.04
45	45	Buckingham Ct.	53.70	11	10	4	32	170	680	5440	158	46.55	46.07	0.30	8	ACP	0.013	430354	0.01	107589	0.05
45	45	Buckingham Ct.	54.14	10	9	12	44	170	2040	7480	248	46.02	45.23	0.32	8	ACP	0.013	440678	0.02	110170	0.07
45	45	Buckingham Ct.	55.45	9	8	4	48	170	680	8160	208	45.18	44.51	0.32	8	ACP	0.013	443139	0.02	110785	0.07
45	45	Buckingham Ct.	55.00	15	14	24	24	170	4080	4080	232	51.85	50.65	0.52	8	ACP	0.013	561540	0.01	140385	0.03
45	45	Buckingham Ct.	55.22	14	13	6	30	170	1020	5100	94	50.30	49.37	0.99	8	ACP	0.013	776625	0.01	194156	0.03
45	45	Buckingham Ct.	55.80	13	8	18	48	170	3060	8160	260	48.37	45.77	1.00	8	ACP	0.013	780790	0.01	195197	0.04
45	39	Huntingdon Dr.	51.15	8	35	2	98	170	340	16660	163	44.46	44.00	0.28	8	ACP	0.013	414781	0.04	103695	0.16
39	39	Huntingdon Dr.	52.45	35	36	4	264	170	680	44880	220	43.92	43.48	0.20	12	ACP	0.013	1029499	0.04	257375	0.17
39	39	Huntingdon Dr.	55.00	36	37	14	278	170	2380	47260	400	43.38	42.68	0.17	12	ACP	0.013	963008	0.05	240752	0.20
45	45	Huntingdon Dr.	58.70	27	26	10	10	170	1700	1700	340	53.53	50.13	1.00	8	ACP	0.013	780790	0.00	195197	0.01
45	45	Huntingdon Dr.	56.65	26	25	8	18	170	1360	3060	142	50.03	49.46	0.40	8	ACP	0.013	494683	0.01	123671	0.02
45	45	Huntingdon Dr.	57.45	25	24	12	30	170	2040	5100	205	49.36	48.54	0.40	8	ACP	0.013	493815	0.01	123454	0.04
45	45	Gramercy Ct.	57.35	30	29	12	12	170	2040	2040	107	50.63	50.20	0.40	8	ACP	0.013	494967	0.00	123742	0.02
45	45	Gramercy Ct.		29	28	26	38	170	4420	6460	198	50.10	49.30	0.40	8	ACP	0.013	496303	0.01	124076	0.05
45	45	Gramercy Ct.	55.25	28	24	0	38	170	0	6460	164	49.20	48.54	0.40	8	ACP	0.013	495318	0.01	123830	0.05
45	45	Gramercy Ct.	54.46	24	23	20	88	170	3400	14960	295	48.46	47.28	0.40	8	ACP	0.013	493815	0.03	123454	0.12
45	45	Offroad	56.00	23	22	8	96	170	1360	16320	300	47.18	46.00	0.39	8	ACP	0.013	489682	0.03	122421	0.13
45	45	Sterling Ct.	52.99	22	20	0	96	170	0	16320	65	45.90	45.63	0.42	8	ACP	0.013	503222	0.03	125805	0.13
45	45	Sterling Ct.	54.20	21	20	8	8	170	1360	1360	133	48.60	47.53	0.80	8	ACP	0.013	700326	0.00	175081	0.01
45	45	Sterling Ct.		20	18	0	104	170	0	17680	210	45.53	44.68	0.40	8	ACP	0.013	496745	0.04	124186	0.14
45	45	Sterling Ct.	55.89	19	18	10	10	170	1700	1700	158	51.32	44.68	4.20	8	ACP	0.013	1600625	0.00	400156	0.00
45	45	Sterling Ct.	53.94	18	17	0	114	170	0	19380	55	44.58	44.35	0.42	8	ACP	0.013	504913	0.04	126228	0.15
45	45	Sterling Ct.	55.56	16	17	10	10	170	1700	1700	126	49.40	46.25	2.50	6	ACP	0.013	573237	0.00	143309	0.01
45	39	Sterling Ct.	53.62	17	37	0	124	170	0	21080	335	44.25	42.91	0.40	8	ACP	0.013	493815	0.04	123454	0.17
39	39	Sterling Ct.	50.40	37	38	6	408	170	1020	69360	230	42.81	42.12	0.30	12	ACP	0.013	1260873	0.06	315218	0.22
39	39	Sterling Ct.	52.77	38	39	4	412	170	680	70040	68	42.12	41.97	0.22	12	ACP	0.013	1081190	0.06	270297	0.26
39	40	Sterling Ct.	52.40	39	35	0	412	170	0	70040	114	41.87	41.47	0.35	12	ACP	0.013	1363604	0.05	340901	0.21
40	40	Offroad	50.80	35	37	0	412	170	0	70040	110	41.37	41.22	0.14	12	ACP	0.013	850081	0.08	212520	0.33

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Edinburgh Ct.	52.20	36	37	10	10	170	1700	1700	140	47.67	43.40	3.05	8	PVC	0.010	1772668	0.00	443167	0.00
40	40	Edinburgh Ct.	50.00	37	38	12	434	170	2040	73780	295	41.18	40.90	0.09	12	ACP	0.013	709216	0.10	177304	0.42
40	40	Edinburgh Ct.	50.00	38	39	6	440	170	1020	74800	150	40.90	40.61	0.19	12	ACP	0.013	1012195	0.07	253049	0.30
39	39	Lake Point Dr.	48.70	40	41	6	6	170	1020	1020	135	45.04	44.80	0.18	10	ACP	0.013	596897	0.00	149224	0.01
39	39	Lake Point Dr.	51.50	42	41	12	12	170	2040	2040	428	47.10	44.96	0.50	8	ACP	0.013	552102	0.00	138025	0.01
39	39	Lake Point Dr.	47.75	41	43	10	28	170	1700	4760	325	44.80	44.21	0.18	10	ACP	0.013	603177	0.01	150794	0.03
39	39	Lake Point Dr.	49.30	43	44	12	40	170	2040	6800	223	44.21	43.81	0.18	10	ACP	0.013	599568	0.01	149892	0.05
39	39	Lake Point Dr.	49.40	44	45	12	52	170	2040	8840	164	43.81	43.51	0.18	10	ACP	0.013	605480	0.01	151370	0.06
39	39	Lake Point Dr.	47.50	45	46	2	54	170	340	9180	116	43.51	43.30	0.18	10	ACP	0.013	602340	0.02	150585	0.06
39	40	Lake Point Dr.	50.10	46	31	6	60	170	1020	10200	180	43.30	42.97	0.18	10	ACP	0.013	606152	0.02	151538	0.07
40	40	Lake Point Dr.	49.60	31	32	10	70	170	1700	11900	272	42.97	42.48	0.18	10	ACP	0.013	600861	0.02	150215	0.08
39	39	Huntingdon Dr.		47	48	18	18	170	3060	3060	299	47.16	46.26	0.30	8	ACP	0.013	428371	0.01	107093	0.03
39	39	Huntingdon Dr.		48	49	4	22	170	680	3740	136	46.26	45.85	0.30	8	ACP	0.013	428703	0.01	107176	0.03
39	39	Huntingdon Dr.	48.40	49	50	8	30	170	1360	5100	200	45.85	45.25	0.30	8	ACP	0.013	427656	0.01	106914	0.05
39	39	Huntingdon Dr.	48.50	50	51	12	42	170	2040	7140	270	45.25	44.44	0.30	8	ACP	0.013	427656	0.02	106914	0.07
39	39	Lake Point Dr.	48.80	51	52	2	44	170	340	7480	129	44.44	44.05	0.30	8	ACP	0.013	429311	0.02	107328	0.07
39	39	Lake Point Dr.	48.40	52	53	10	54	170	1700	9180	202	44.05	43.44	0.30	8	ACP	0.013	429065	0.02	107266	0.09
39	40	Lake Point Dr.	48.50	53	32	6	60	170	1020	10200	264	43.44	42.65	0.30	8	ACP	0.013	427116	0.02	106779	0.10
40	40	Lake Point Dr.	47.20	32	33	6	136	170	1020	23120	198	42.48	42.12	0.18	10	ACP	0.013	603642	0.04	150910	0.15
40	40	Lake Point Dr.	47.00	33	34	4	140	170	680	23800	121	42.12	41.90	0.18	10	ACP	0.013	603642	0.04	150910	0.16
40	40	Offroad	46.59	34	39	0	140	170	0	23800	262	41.90	41.44	0.18	10	ACP	0.013	593183	0.04	148296	0.16
40	40	Edinburgh Ct.	51.50	40	39	14	14	170	2380	2380	230	48.48	42.61	2.55	8	ACP	0.013	1247353	0.00	311838	0.01
40	40	Edinburgh Ct.	47.00	39	44	6	600	170	1020	102000	180	40.61	40.25	0.20	12	ACP	0.013	1029499	0.10	257375	0.40
40	40	Offroad	44.60	44	45	0	600	170	0	102000	328	40.25	39.87	0.12	12	ACP	0.013	783548	0.13	195887	0.52
40	40	Cambridge Ct.		49	48	18	18	170	3060	3060	134	47.87	46.53	1.00	8	PVC	0.010	1015027	0.00	253757	0.01
40	40	Cambridge Ct.	51.50	48	46	0	18	170	0	3060	129	46.43	43.77	2.06	8	PVC	0.010	1457550	0.00	364387	0.01
40	40	Cambridge Ct.	48.20	47	46	12	12	170	2040	2040	186	44.14	43.77	0.20	8	PVC	0.010	452712	0.00	113178	0.02
40	40	Cambridge Ct.	48.20	46	45	12	42	170	2040	7140	88	42.97	39.87	3.52	8	PVC	0.010	1905096	0.00	476274	0.01
40	40	Cambridge Ct.	41.87	45	50	0	42	170	0	7140	155	39.87	39.65	0.14	12	PVC	0.010	1127456	0.01	281864	0.03
40	40	Cambridge Ct.	50.10	53	51	8	8	170	1360	1360	139	45.90	45.27	0.45	8	PVC	0.010	683345	0.00	170836	0.01
40	40	Cambridge Ct.	49.10	52	51	18	18	170	3060	3060	149	46.30	45.27	0.69	8	PVC	0.010	843923	0.00	210981	0.01
40	40	Cambridge Ct.	48.70	51	50	12	38	170	2040	6460	113	45.27	41.65	3.20	8	PVC	0.010	1816739	0.00	454185	0.01
40	40	Offroad	45.70	50	57	0	80	170	0	13600	300	41.65	39.23	0.81	12	PVC	0.010	2687826	0.01	671957	0.02
40	40	Offroad	45.80	57	58	0	80	170	0	13600	290	39.23	38.83	0.14	12	ACP	0.013	854952	0.02	213738	0.06
40	40	Buckingham Dr.		60	59	8	8	170	1360	1360	190	44.35	41.97	1.25	8	PVC	0.010	1136028	0.00	284007	0.00
40	40	Buckingham Dr.	47.00	59	58	0	8	170	0	1360	230	41.97	38.83	1.37	8	PVC	0.010	1185983	0.00	296496	0.00
40	40	Buckingham Dr.	44.00	58	61	0	88	170	0	14960	160	38.83	38.65	0.11	12	ACP	0.013	772124	0.02	193031	0.08
40	40	Buckingham Dr.		61	62	0	88	170	0	14960	50	38.65	38.59	0.12	12	ACP	0.013	797446	0.02	199362	0.08
40	40	Buckingham Dr.	44.00	62	30	1	89	3000	3000	17960	238	38.59	37.86	0.31	12	ACP	0.013	1274922	0.01	318731	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	60.95	46	47	8	8	170	1360	1360	157	56.56	55.64	0.59	8	ACP	0.013	597693	0.00	149423	0.01
50	50	Chesire Ct.	60.20	47	48	2	10	170	340	1700	120	55.64	55.16	0.40	8	ACP	0.013	493815	0.00	123454	0.01
50	54	Chesire Ct.	59.58	48	1	8	18	170	1360	3060	230	55.16	54.24	0.40	8	ACP	0.013	493815	0.01	123454	0.02
50	54	Chesire Ct.	59.02	49	1	16	16	170	2720	2720	195	56.02	54.24	0.91	8	ACP	0.013	745979	0.00	186495	0.01
54	54	Chesire Ct.	59.32	1	2	2	36	170	340	6120	134	54.24	53.70	0.40	8	ACP	0.013	495654	0.01	123913	0.05
54	54	Offroad	57.80	2	3	10	46	170	1700	7820	210	53.70	52.65	0.50	8	ACP	0.013	552102	0.01	138025	0.06
54	54	Chatham Ct.	56.00	3	4	8	54	170	1360	9180	193	52.55	51.58	0.50	8	ACP	0.013	553530	0.02	138383	0.07
54	54	Chatham Ct.	54.75	4	5	10	64	170	1700	10880	124	51.48	50.86	0.50	8	ACP	0.013	552102	0.02	138025	0.08
54	55	Chatham Ct.	54.10	5	1	4	68	170	680	11560	202	50.76	49.75	0.50	8	ACP	0.013	552102	0.02	138025	0.08
55	55	Chatham Ct.	54.20	1	2	10	78	170	1700	13260	312	49.65	48.09	0.50	8	ACP	0.013	552102	0.02	138025	0.10
54	55	Chatham Ct.		6	2	16	16	170	2720	2720	294	48.46	47.65	0.28	12	ACP	0.013	1208313	0.00	302078	0.01
55	55	Chatham Ct.	52.45	2	3	6	100	170	1020	17000	238	47.55	47.17	0.16	12	ACP	0.013	919844	0.02	229961	0.07
55	55	Dorchester Dr.	53.50	6	5	12	12	170	2040	2040	339	50.47	49.11	0.40	8	ACP	0.013	494543	0.00	123636	0.02
55	55	Dorchester Dr.	52.60	5	4	0	12	170	0	2040	192	49.11	48.35	0.40	8	ACP	0.013	491236	0.00	122809	0.02
55	55	Dorchester Dr.	51.01	4	3	0	12	170	0	2040	277	48.35	47.52	0.30	8	ACP	0.013	427399	0.00	106850	0.02
55	51	Portsmouth Dr.		3	25	0	112	170	0	19040	170	47.17	46.90	0.16	12	ACP	0.013	917420	0.02	229355	0.08
50	50	Chatham Ct.	56.10	50	51	14	14	170	2380	2380	200	51.00	46.79	2.11	8	ACP	0.013	1132818	0.00	283204	0.01
50	50	Chatham Ct.	54.03	52	51	14	14	170	2380	2380	162	50.37	49.79	0.36	8	ACP	0.013	467187	0.01	116797	0.02
50	51	Chatham Ct.	55.00	51	27	8	36	170	1360	6120	134	49.69	49.40	0.22	8	ACP	0.013	363229	0.02	90807	0.07
51	51	Chatham Ct.	54.38	27	26	10	46	170	1700	7820	216	49.21	48.43	0.36	8	ACP	0.013	469196	0.02	117299	0.07
51	51	Portsmouth Dr.	53.35	26	25	12	58	170	2040	9860	324	48.38	47.20	0.36	8	ACP	0.013	471197	0.02	117799	0.08
51	51	Portsmouth Dr.		25	24	0	170	170	0	28900	210	46.87	46.55	0.15	12	ACP	0.013	898620	0.03	224655	0.13
51	51	Portsmouth Dr.	50.50	24	23	1	171	3000	3000	31900	256	46.51	46.01	0.20	12	ACP	0.013	1017363	0.03	254341	0.13
51	51	Chesterfield Ct.	48.76	23	22	12	183	170	2040	33940	375	46.01	45.41	0.16	12	ACP	0.013	920812	0.04	230203	0.15
51	51	Dorchester Dr.	47.52	22	21	12	195	170	2040	35980	272	45.41	44.97	0.16	12	ACP	0.013	925876	0.04	231469	0.16
51	51	Dorchester Dr.	47.76	21	20	8	203	170	1360	37340	235	44.87	44.59	0.12	12	ACP	0.013	794613	0.05	198653	0.19
51	51	Dorchester Dr.	48.35	20	19	2	205	170	340	37680	130	44.49	44.28	0.16	12	ACP	0.013	925228	0.04	231307	0.16
51	51	Dorchester Dr.	47.40	19	16	4	209	170	680	38360	165	44.18	44.02	0.10	12	ACP	0.013	716851	0.05	179213	0.21
51	51	Cantebury Ct.	49.32	18	17	16	16	170	2720	2720	127	45.18	44.80	0.30	8	ACP	0.013	427095	0.01	106774	0.03
51	51	Cantebury Ct.	48.03	17	16	6	22	170	1020	3740	160	44.73	44.25	0.30	8	ACP	0.013	427656	0.01	106914	0.03
51	51	Cantebury Ct.	47.22	16	4	0	231	170	0	42100	374	43.92	43.30	0.17	12	ACP	0.013	937283	0.04	234321	0.18
49	49	Sheffield Ct.	97.00	10	9	12	12	170	2040	2040	150	91.89	90.09	1.20	8	ACP	0.013	855312	0.00	213828	0.01
49	50	Sheffield Ct.	96.10	9	35	2	14	170	340	2380	116	89.99	88.60	1.20	8	ACP	0.013	854698	0.00	213674	0.01
50	50	Sheffield Ct.	95.23	35	34	10	24	170	1700	4080	127	85.49	83.96	1.20	8	ACP	0.013	856994	0.00	214249	0.02
50	50	Sheffield Ct.	90.80	34	33	10	34	170	1700	5780	240	81.96	80.76	0.50	8	ACP	0.013	552102	0.01	138025	0.04
50	50	Portsmith Dr.	87.00	33	32	12	46	170	2040	7820	208	80.66	77.75	1.40	8	ACP	0.013	923526	0.01	230881	0.03
50	50	Portsmith Dr.	84.40	32	31	6	52	170	1020	8840	270	77.65	70.90	2.50	8	ACP	0.013	1234537	0.01	308634	0.03
50	50	Thornbury Ct.	77.34	31	30	6	58	170	1020	9860	180	70.80	65.40	3.00	8	ACP	0.013	1352367	0.01	338092	0.03
50	50	Thornbury Ct.	71.79	30	26	8	66	170	1360	11220	241	65.40	61.78	1.50	8	ACP	0.013	956929	0.01	239232	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Thornbury Ct.	78.64	29	28	18	18	170	3060	3060	225	73.40	66.68	2.99	8	ACP	0.013	1349359	0.00	337340	0.01
50	50	Thornbury Ct.	73.00	28	27	10	28	170	1700	4760	180	66.58	64.08	1.39	8	ACP	0.013	920169	0.01	230042	0.02
50	50	Thornbury Ct.	68.83	27	26	6	34	170	1020	5780	165	63.98	59.78	2.55	8	ACP	0.013	1245709	0.00	311427	0.02
50	50	Thornbury Ct.	66.70	26	25	2	102	170	340	17340	110	59.78	59.30	0.44	8	ACP	0.013	515773	0.03	128943	0.13
50	50	Thornbury Ct.	64.45	25	23	0	102	170	0	17340	298	59.30	57.80	0.50	8	ACP	0.013	553951	0.03	138488	0.13
50	50	Portsmouth Dr.	63.70	24	23	20	20	170	3400	3400	105	58.50	57.80	0.67	8	ACP	0.013	637512	0.01	159378	0.02
50	50	Portsmouth Dr.	61.65	23	22	0	122	170	0	20740	75	57.80	57.42	0.51	8	ACP	0.013	555770	0.04	138943	0.15
49	49	Sheffield Ct.	103.60	8	7	14	14	170	2380	2380	274	96.61	92.18	1.62	8	ACP	0.013	992797	0.00	248199	0.01
49	49	Sheffield Ct.	96.75	7	6	8	22	170	1360	3740	216	92.08	88.84	1.50	8	ACP	0.013	956268	0.00	239067	0.02
49	50	Sheffield Ct.	94.10	6	1	2	24	170	340	4080	134	88.74	80.80	5.93	8	ACP	0.013	1900605	0.00	475151	0.01
50	50	Sheffield Ct.	89.80	1	2	10	34	170	1700	5780	125	80.63	79.13	1.20	8	ACP	0.013	855312	0.01	213828	0.03
49	50	Sheffield Ct.	87.90	5	2	26	26	170	4420	4420	270	83.45	79.70	1.39	8	ACP	0.013	920169	0.00	230042	0.02
50	50	Sheffield Ct.	86.00	2	3	6	66	170	1020	11220	195	78.96	77.01	1.00	8	ACP	0.013	780790	0.01	195197	0.06
50	50	Sheffield Ct.	82.70	3	4	12	78	170	2040	13260	241	76.91	75.46	0.60	8	ACP	0.013	605633	0.02	151408	0.09
50	50	Dartmoor Ct.	79.80	4	5	6	84	170	1020	14280	186	75.46	74.34	0.60	8	ACP	0.013	605880	0.02	151470	0.09
50	50	Dartmoor Ct.	78.20	5	6	10	94	170	1700	15980	110	74.24	73.69	0.50	8	ACP	0.013	552102	0.03	138025	0.12
50	50	Dartmoor Ct.	79.00	6	7	8	102	170	1360	17340	210	73.59	70.44	1.50	8	ACP	0.013	956268	0.02	239067	0.07
50	50	Dartmoor Ct.	76.40	7	8	12	114	170	2040	19380	156	70.34	68.00	1.50	8	ACP	0.013	956268	0.02	239067	0.08
50	50	Dartmoor Ct.	87.70	11	10	16	16	170	2720	2720	418	84.06	75.28	2.10	6	ACP	0.013	525440	0.01	131360	0.02
50	50	Dartmoor Ct.	78.80	10	9	8	24	170	1360	4080	200	75.28	68.97	3.15	6	ACP	0.013	643324	0.01	160831	0.03
50	50	Dartmoor Ct.	74.60	9	8	2	26	170	340	4420	162	68.97	68.00	0.60	8	ACP	0.013	604175	0.01	151044	0.03
50	50	Thornbury Ct.	74.00	8	12	10	150	170	1700	25500	203	67.77	64.72	1.50	8	ACP	0.013	957053	0.03	239263	0.11
50	50	Thornbury Ct.	69.40	13	12	10	10	170	1700	1700	145	64.97	64.24	0.50	8	ACP	0.013	554002	0.00	138501	0.01
50	50	Thornbury Ct.	69.45	12	14	10	170	170	1700	28900	225	63.72	61.47	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	66.13	14	15	0	170	170	0	28900	38	61.38	61.00	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	65.00	15	16	0	170	170	0	28900	152	60.84	60.23	0.40	8	ACP	0.013	494626	0.06	123657	0.23
50	50	Thornbury Ct.	67.50	18	17	20	20	170	3400	3400	224	63.02	61.40	0.72	8	ACP	0.013	663999	0.01	166000	0.02
50	50	Thornbury Ct.	64.75	17	16	6	26	170	1020	4420	235	61.40	60.23	0.50	8	ACP	0.013	550926	0.01	137731	0.03
50	50	Thornbury Ct.	64.67	16	19	10	206	170	1700	35020	235	60.23	59.15	0.46	8	ACP	0.013	529312	0.07	132328	0.26
50	50	Thornbury Ct.	64.55	19	20	8	214	170	1360	36380	394	58.97	57.20	0.45	8	ACP	0.013	523326	0.07	130832	0.28
50	50	Thornbury Ct.	65.60	21	20	18	18	170	3060	3060	382	61.02	57.20	1.00	8	ACP	0.013	780790	0.00	195197	0.02
50	50	Thornbury Ct.	62.45	20	22	0	232	170	0	39440	100	57.00	56.50	0.50	8	ACP	0.013	552102	0.07	138025	0.29
50	50	Portsmouth Dr.	60.70	22	36	0	354	170	0	60180	223	56.50	55.18	0.59	8	ACP	0.013	600715	0.10	150179	0.40
50	50	Portsmouth Dr.	60.95	37	36	14	14	170	2380	2380	110	56.28	55.18	1.00	8	ACP	0.013	780790	0.00	195197	0.01
50	50	Portsmouth Dr.	59.28	36	38	4	372	170	680	63240	146	54.98	54.40	0.40	8	ACP	0.013	492121	0.13	123030	0.51
50	50	Portsmouth Dr.	58.60	38	39	0	372	170	0	63240	210	54.40	53.56	0.40	8	ACP	0.013	493815	0.13	123454	0.51

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	59.15	40	39	12	12	170	2040	2040	144	54.28	53.56	0.50	8	ACP	0.013	552102	0.00	138025	0.01
50	50	Portsmouth Dr.	57.52	39	41	0	384	170	0	65280	122	53.56	53.07	0.40	8	ACP	0.013	494826	0.13	123706	0.53
50	50	Portsmouth Dr.	56.88	41	42	10	394	170	1700	66980	128	53.07	51.79	1.00	8	ACP	0.013	780790	0.09	195197	0.34
50	50	Picardy Ct.	55.75	42	43	20	414	170	3400	70380	172	50.79	50.10	0.40	8	ACP	0.013	494532	0.14	123633	0.57
50	50	Picardy Ct.	54.42	43	44	14	428	170	2380	72760	312	50.00	48.76	0.40	8	ACP	0.013	492229	0.15	123057	0.59
50	50	Picardy Ct.	53.75	44	45	6	434	170	1020	73780	336	48.71	47.97	0.22	10	ACP	0.013	664365	0.11	166091	0.44
50	51	Picardy Ct.	53.00	45	15	6	440	170	1020	74800	213	47.97	47.51	0.22	10	ACP	0.013	657885	0.11	164471	0.45
51	51	Chesterfield Ct.	53.00	15	14	2	442	170	340	75140	145	47.51	47.18	0.23	10	ACP	0.013	675358	0.11	168839	0.45
51	51	Chesterfield Ct.	52.20	14	13	12	454	170	2040	77180	217	47.18	46.71	0.22	10	ACP	0.013	658840	0.12	164710	0.47
51	51	Chesterfield Ct.	50.10	13	12	4	458	170	680	77860	226	46.71	46.26	0.20	10	ACP	0.013	631703	0.12	157926	0.49
51	51	Chesterfield Ct.	50.66	12	11	28	486	170	4760	82620	141	46.26	45.95	0.22	10	ACP	0.013	663792	0.12	165948	0.50
51	51	Offroad		11	10	6	492	170	1020	83640	200	45.95	45.51	0.22	10	ACP	0.013	664006	0.13	166002	0.50
51	51	Coventry Ct.	49.60	10	9	8	500	170	1360	85000	220	45.51	45.03	0.22	10	ACP	0.013	661257	0.13	165314	0.51
51	51	Coventry Ct.	50.74	9	8	6	506	170	1020	86020	255	45.03	44.47	0.22	10	ACP	0.013	663414	0.13	165854	0.52
51	51	Coventry Ct.	50.42	8	7	12	518	170	2040	88060	108	44.47	44.23	0.22	10	ACP	0.013	667351	0.13	166838	0.53
51	51	Coventry Ct.	48.96	7	5	10	528	170	1700	89760	183	44.23	43.83	0.22	10	ACP	0.013	661859	0.14	165465	0.54
51	51	Coventry Ct.	48.20	6	5	10	10	170	1700	1700	73	44.52	44.00	0.71	8	ACP	0.013	658983	0.00	164746	0.01
51	51	Coventry Ct.	47.92	5	4	8	546	170	1360	92820	120	43.83	43.57	0.22	10	ACP	0.013	658957	0.14	164739	0.56
51	51	Dorchester Dr.	47.21	4	3	4	781	170	680	135600	242	43.30	43.06	0.10	12	ACP	0.013	724951	0.19	181238	0.75
51	51	Dorchester Dr.	46.60	3	2	4	785	170	680	136280	129	43.06	42.88	0.14	12	ACP	0.013	859908	0.16	214977	0.63
51	46	Dorchester Dr.	47.85	2	70	8	793	170	1360	137640	250	42.78	42.47	0.12	12	ACP	0.013	810628	0.17	202657	0.68
51	46	Dorchester Dr.	50.87	1	72	26	26	170	4420	4420	288	47.32	45.88	0.50	8	ACP	0.013	552102	0.01	138025	0.03
46	46	Dorchester Dr.	52.00	73	72	22	22	170	3740	3740	234	47.72	45.85	0.80	8	ACP	0.013	697986	0.01	174497	0.02
46	46	Dorchester Dr.		72	71	16	64	170	2720	10880	195	44.58	43.80	0.40	8	ACP	0.013	493815	0.02	123454	0.09
46	46	Dorchester Dr.	49.10	71	70	0	64	170	0	10880	235	43.75	42.80	0.40	8	ACP	0.013	496434	0.02	124109	0.09
46	46	Dorchester Dr.	47.50	70	69	8	865	170	1360	149880	254	42.47	42.11	0.14	12	ACP	0.013	866653	0.17	216663	0.69
46	46	Dorchester Dr.	50.70	69	67	4	869	170	680	150560	200	42.11	41.83	0.14	12	ACP	0.013	861340	0.17	215335	0.70
46	46	Dorchester Dr.	47.80	68	67	16	16	170	2720	2720	306	44.00	42.16	0.60	8	ACP	0.013	605456	0.00	151364	0.02
46	46	Dorchester Dr.	47.40	67	66	4	889	170	680	153960	71	41.83	41.73	0.14	12	ACP	0.013	863936	0.18	215984	0.71
46	46	Dorchester Dr.	46.90	66	63	0	889	170	0	153960	145	41.73	41.53	0.14	12	ACP	0.013	854952	0.18	213738	0.72
51	46	Cantebury Ct.	48.66	28	65	26	26	170	4420	4420	400	44.73	43.53	0.30	8	ACP	0.013	427656	0.01	106914	0.04
46	46	Cantebury Ct.	46.63	65	64	4	30	170	680	5100	270	43.53	42.72	0.30	8	ACP	0.013	427656	0.01	106914	0.05
46	46	Offroad	47.20	64	63	0	30	170	0	5100	447	42.72	41.78	0.21	8	CIP	0.013	358050	0.01	89513	0.06
46	46	Offroad	46.05	63	52	0	919	170	0	159060	157	41.53	41.31	0.14	12	ACP	0.013	861732	0.18	215433	0.74
46	46	Dorchester Dr.		62	61	12	12	170	2040	2040	171	52.20	51.51	0.40	8	PVC	0.010	644769	0.00	161192	0.01
46	46	Dorchester Dr.		61	60	6	18	170	1020	3060	145	51.51	50.93	0.40	8	PVC	0.010	641959	0.00	160490	0.02
46	46	Dorchester Dr.		60	59	8	26	170	1360	4420	115	50.93	50.47	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		59	58	6	32	170	1020	5440	145	50.47	49.89	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		58	57	12	44	170	2040	7480	355	49.89	48.47	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Dorchester Dr.	51.90	57	53	8	52	170	1360	8840	220	48.14	47.48	0.30	8	PVC	0.010	555953	0.02	138988	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Dorchester Dr.	56.10	56	55	16	16	170	2720	2720	96	51.69	51.57	0.12	8	PVC	0.010	358866	0.01	89717	0.03
46	46	Dorchester Dr.	56.10	55	54	0	16	170	0	2720	155	51.40	50.11	0.83	8	PVC	0.010	925990	0.00	231498	0.01
46	46	Dorchester Dr.	54.40	54	53	10	26	170	1700	4420	140	50.11	47.98	1.52	8	PVC	0.010	1251997	0.00	312999	0.01
46	46	Dorchester Dr.	50.80	53	52	4	82	170	680	13940	125	47.48	47.11	0.30	8	PVC	0.010	552234	0.03	138059	0.10
46	46	Dorchester Dr.	51.00	52	50	6	1007	170	1020	174020	349	46.77	43.80	0.85	12	ACP	0.013	2123617	0.08	530904	0.33
46	46	Dorchester Dr.	53.10	51	50	10	10	170	1700	1700	249	47.77	43.80	1.59	8	PVC	0.010	1281661	0.00	320415	0.01
46	46	Dorchester Dr.	?	50	48	0	1017	170	0	175720	140	40.80	40.57	0.16	12	ACP	0.013	933062	0.19	233266	0.75
46	46	Dorchester Dr.		49	48	12	12	170	2040	2040	300	42.29	41.08	0.40	8	PVC	0.010	644628	0.00	161157	0.01
46	46	Dorchester Dr.		48	47	12	1041	170	2040	179800	235	40.57	40.25	0.14	12	ACP	0.013	849477	0.21	212369	0.85
46	46	Dorchester Dr.		47	29	12	1053	170	2040	181840	230	40.25	39.92	0.14	12	ACP	0.013	871975	0.21	217994	0.83
45	45	Farrington Ct	54.85	33	34	28	28	170	4760	4760	170	49.75	48.90	0.50	8	PVC	0.010	717732	0.01	179433	0.03
46	45	Farrington Ct	54.85	46	34	14	14	170	2380	2380	100	49.88	48.90	0.98	8	PVC	0.010	1004825	0.00	251206	0.01
45	46	Farrington Ct	53.10	34	45	0	42	170	0	7140	143	48.80	48.23	0.40	8	PVC	0.010	640836	0.01	160209	0.04
46	46	Farrington Ct	53.92	45	44	8	50	170	1360	8500	120	48.13	47.65	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Farrington Ct	54.70	44	43	12	62	170	2040	10540	133	47.55	47.02	0.40	8	PVC	0.010	640751	0.02	160188	0.07
46	46	Farrington Ct	53.64	43	42	6	68	170	1020	11560	264	46.92	45.82	0.42	8	ACP	0.013	503998	0.02	125999	0.09
45	45	Farrington Ct	54.35	31	32	10	10	170	1700	1700	210	47.82	46.80	0.49	8	ACP	0.013	544157	0.00	136039	0.01
45	46	Farrington Ct	46.90	32	42	8	18	170	1360	3060	245	46.80	45.82	0.40	8	ACP	0.013	493815	0.01	123454	0.02
46	46	Farrington Ct	50.20	42	41	4	90	170	680	15300	94	45.77	45.48	0.31	8	ACP	0.013	433680	0.04	108420	0.14
46	46	Farrington Ct	50.86	41	40	0	90	170	0	15300	150	45.48	45.03	0.30	8	ACP	0.013	427656	0.04	106914	0.14
46	46	Offroad		40	38	0	90	170	0	15300	70	44.98	44.75	0.33	8	ACP	0.013	447558	0.03	111889	0.14
46	46	Dorchester Dr.		39	38	12	12	170	2040	2040	148	48.32	45.75	1.74	8	PVC	0.010	1337560	0.00	334390	0.01
46	46	Dorchester Dr.		38	37	0	102	170	0	17340	165	44.75	44.25	0.30	8	PVC	0.010	558754	0.03	139688	0.12
46	46	Dorchester Dr.		37	36	12	114	170	2040	19380	258	44.25	43.48	0.30	8	PVC	0.010	554515	0.03	138629	0.14
46	46	Dorchester Dr.		36	34	6	120	170	1020	20400	169	43.48	42.97	0.30	8	PVC	0.010	557595	0.04	139399	0.15
46	46	Dorchester Dr.		35	34	10	10	170	1700	1700	176	50.33	43.97	3.61	8	PVC	0.010	1929522	0.00	482380	0.00
46	46	Dorchester Dr.		34	33	0	130	170	0	22100	125	42.97	42.59	0.30	8	PVC	0.010	559647	0.04	139912	0.16
46	46	Dorchester Dr.	49.50	33	31	10	140	170	1700	23800	181	42.59	42.00	0.33	8	PVC	0.010	579514	0.04	144879	0.16
46	46	Dorchester Dr.	50.50	32	31	10	10	170	1700	1700	213	47.50	43.05	2.09	8	PVC	0.010	1467127	0.00	366782	0.00
46	46	Dorchester Dr.	47.80	31	30	0	150	170	0	25500	172	42.00	40.53	0.85	8	PVC	0.010	938365	0.03	234591	0.11
46	46	Buckingham Dr.	44.50	30	29	0	150	170	0	25500	100	40.53	40.38	0.15	8	PVC	0.010	393118	0.06	98280	0.26
46	46	Buckingham Dr.		29	28	0	1203	170	0	207340	38	39.92	39.87	0.14	12	ACP	0.013	851571	0.24	212893	0.97
46	46	Buckingham Dr.		28	27	0	1203	170	0	207340	51	39.87	39.80	0.14	12	ACP	0.013	852854	0.24	213214	0.97

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Eidenburgh Ct.	54.40	1	2	8	8	170	1360	1360	180	50.26	49.63	0.35	8	PVC	0.010	600498	0.00	150124	0.01
46	46	Eidenburgh Ct.	53.84	2	3	8	16	170	1360	2720	172	49.53	48.81	0.42	8	PVC	0.010	656719	0.00	164180	0.02
46	46	Eidenburgh Ct.	53.55	3	4	8	24	170	1360	4080	160	48.71	48.05	0.41	8	PVC	0.010	651913	0.01	162978	0.03
46	46	Eidenburgh Ct.		4	5	4	28	170	680	4760	115	47.98	47.50	0.42	8	PVC	0.010	655766	0.01	163942	0.03
46	46	Eidenburgh Ct.	50.50	5	6	14	42	170	2380	7140	302	47.11	45.87	0.41	8	PVC	0.010	650406	0.01	162602	0.04
46	46	Eidenburgh Ct.	52.18	6	7	4	46	170	680	7820	96	45.77	45.37	0.42	8	PVC	0.010	655197	0.01	163799	0.05
46	46	Eidenburgh Ct.		7	8	12	58	170	2040	9860	150	45.17	44.86	0.21	8	PVC	0.010	461437	0.02	115359	0.09
46	46	Eidenburgh Ct.		8	9	0	58	170	0	9860	42	44.69	44.56	0.31	8	PVC	0.010	564709	0.02	141177	0.07
46	46	Eidenburgh Ct.		9	10	18	76	170	3060	12920	157	44.56	44.06	0.32	8	PVC	0.010	572813	0.02	143203	0.09
46	46	Offroad	49.25	10	11	6	82	170	1020	13940	147	44.06	43.59	0.32	8	PVC	0.010	573942	0.02	143485	0.10
40	40	Eidenburgh Ct.		41	42	36	36	170	6120	6120	300	49.80	48.59	0.40	8	PVC	0.010	644628	0.01	161157	0.04
40	46	Eidenburgh Ct.	52.10	42	15	12	48	170	2040	8160	180	48.42	47.20	0.68	8	PVC	0.010	835644	0.01	208911	0.04
40	46	Cambridge Ct.	50.50	43	15	16	16	170	2720	2720	130	47.89	47.20	0.53	8	PVC	0.010	739487	0.00	184872	0.01
46	46	Eidenburgh Ct.	51.00	15	14	0	64	170	0	10880	49	47.20	46.59	1.24	8	PVC	0.010	1132516	0.01	283129	0.04
46	46	Eidenburgh Ct.	50.60	14	13	6	70	170	1020	11900	144	46.59	44.48	1.47	8	PVC	0.010	1228676	0.01	307169	0.04
46	46	Eidenburgh Ct.		13	12	6	76	170	1020	12920	110	44.48	44.13	0.32	8	PVC	0.010	572552	0.02	143138	0.09
46	46	Eidenburgh Ct.		12	11	4	80	170	680	13600	168	44.13	43.59	0.32	8	PVC	0.010	575466	0.02	143866	0.09
46	46	Eidenburgh Ct.		11	17	6	168	170	1020	28560	130	43.59	43.18	0.32	8	PVC	0.010	570030	0.05	142507	0.20
46	46	Eidenburgh Ct.		17	18	6	174	170	1020	29580	244	43.18	42.39	0.32	8	PVC	0.010	577559	0.05	144390	0.20
46	46	Eidenburgh Ct.		18	19	12	186	170	2040	31620	150	42.39	41.91	0.32	8	PVC	0.010	574186	0.06	143546	0.22
46	46	Eidenburgh Ct.		19	20	6	192	170	1020	32640	150	41.91	41.43	0.32	8	PVC	0.010	574186	0.06	143546	0.23
46	46	Eidenburgh Ct.		20	21	6	198	170	1020	33660	53	41.43	41.26	0.32	8	PVC	0.010	574862	0.06	143716	0.23
40	40	Cambridge Ct.	54.60	54	56	12	12	170	2040	2040	141	50.78	48.52	1.60	8	PVC	0.010	1285056	0.00	321264	0.01
40	40	Cambridge Ct.	50.60	55	56	12	12	170	2040	2040	145	48.01	46.62	0.96	8	PVC	0.010	993804	0.00	248451	0.01
40	46	Cambridge Ct.	51.30	56	21	0	24	170	0	4080	213	46.52	43.26	1.53	8	PVC	0.010	1255730	0.00	313933	0.01
46	46	Cambridge Ct.	48.20	21	22	0	222	170	0	37740	82	41.26	41.00	0.32	8	PVC	0.010	571554	0.07	142888	0.26
46	46	Cambridge Ct.	48.40	22	23	10	232	170	1700	39440	150	41.00	40.52	0.32	8	PVC	0.010	574186	0.07	143546	0.27
46	46	Cambridge Ct.		24	23	10	10	170	1700	1700	139	45.16	42.52	1.90	8	PVC	0.010	1398853	0.00	349713	0.00
46	46	Cambridge Ct.		23	27	0	242	170	0	41140	122	40.52	40.13	0.32	8	PVC	0.010	573892	0.07	143473	0.29
46	46	Buckingham Dr.		27	26	1	1446	300	300	248780	270	39.80	39.40	0.15	12	ACP	0.013	886051	0.28	221513	1.12
46	40	Buckingham Dr.		26	70	0	1446	170	0	248780	290	39.40	38.99	0.14	12	ACP	0.013	865573	0.29	216393	1.15
46	40	Buckingham Dr.		25	71	12	12	170	2040	2040	198	41.97	41.17	0.40	8	PVC	0.010	645193	0.00	161298	0.01
40	40	Buckingham Dr.		71	70	4	16	170	680	2720	45	41.17	40.99	0.40	8	PVC	0.010	641959	0.00	160490	0.02
40	40	Buckingham Dr.		66	67	8	8	170	1360	1360	163	46.32	45.67	0.40	8	PVC	0.010	640974	0.00	160243	0.01
40	40	Buckingham Dr.		67	68	4	12	170	680	2040	180	45.67	44.95	0.40	8	PVC	0.010	641959	0.00	160490	0.01
40	40	Buckingham Dr.	49.59	69	68	8	8	170	1360	1360	155	45.37	44.95	0.27	8	PVC	0.010	528368	0.00	132092	0.01
40	40	Buckingham Dr.	49.00	68	70	4	24	170	680	4080	142	44.95	40.99	2.79	8	PVC	0.010	1695044	0.00	423761	0.01
40	40	Buckingham Dr.	45.73	70	64	0	1486	170	0	255580	378	38.99	38.47	0.14	12	ACP	0.013	853820	0.30	213455	1.20
40	40	Buckingham Dr.	42.23	64	30	0	1486	170	0	255580	195	38.47	38.19	0.14	12	ACP	0.013	872313	0.29	218078	1.17

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Buckingham Dr.		65	63	8	8	170	1360	1360	234	39.89	38.95	0.40	8	ACP	0.013	494869	0.00	123717	0.01
40	40	Buckingham Dr.		63	30	2	10	170	340	1700	105	38.95	38.53	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Buckingham Dr.	41.70	30	29	2	1587	170	340	275580	255	37.86	37.49	0.15	16	ACP	0.013	1888476	0.15	472119	0.58
40	40	Buckingham Dr.	40.32	29	28	0	1587	170	0	275580	400	37.49	36.77	0.18	16	ACP	0.013	2103376	0.13	525844	0.52
40	40	Buckingham Dr.	39.72	28	22	0	1587	170	0	275580	310	36.77	36.15	0.20	16	ACP	0.013	2217153	0.12	554288	0.50
40	40	Buckingham Dr.	41.95	22	23	1	1844	3000	3000	413000	230	36.15	35.63	0.23	16	ACP	0.013	2357320	0.18	589330	0.70
40	40	Buckingham Dr.	40.00	23	24	0	1844	170	0	413000	19	35.46	35.40	0.32	18	DIP	0.013	3814049	0.11	953512	0.43
40	40	Buckingham Dr.	38.56	24	25	0	1844	170	0	413000	162.5	28.24	23.74	2.77	18	DIP	0.013	11294501	0.04	2823625	0.15
38	38	Chestnut St.	68.24	3	2	3	3	2000	6000	6000	300	59.35	57.92	0.48	8	PVC	0.010	700785	0.01	175196	0.03
38	38	Chestnut St.	64.20	2	1	1	4	2000	2000	8000	32	57.92	55.83	6.53	8	PVC	0.010	2594034	0.00	648508	0.01
38	38	Chestnut St.	64.11	1	4	71	75	525	37275	45275	266	52.06	51.39	0.25	12	PVC	0.010	1501933	0.03	375483	0.12
38	38	Chestnut St.	62.94	4	5	3	78	2000	6000	51275	266	51.33	50.59	0.28	12	PVC	0.010	1578444	0.03	394611	0.13
38	38	Chestnut St.	61.94	5	6	3	81	2000	6000	57275	312	50.58	49.01	0.50	12	PVC	0.010	2122886	0.03	530721	0.11
38	38	Chestnut St.	60.92	7	6	1	1	2000	2000	2000	69	51.48	50.03	2.10	8	PVC	0.010	1471421	0.00	367855	0.01
38	38	Chestnut St.	61.26	6	8	1	83	2000	2000	61275	275	47.64	46.63	0.37	12	PVC	0.010	1813629	0.03	453407	0.14
38	38	Chestnut St.	60.17	8	9	1	84	2000	2000	63275	215	46.58	45.75	0.39	12	DIP	0.013	1430311	0.04	357578	0.18
32	32	Lisa Robyn Circle	57.66	2	1	4	4	300	1200	1200	230	50.72	49.43	0.56	8	PVC	0.010	760166	0.00	190041	0.01
32	32	Lisa Robyn Circle	55.91	1	3	8	12	300	2400	3600	301	49.35	47.90	0.48	8	PVC	0.010	704495	0.01	176124	0.02
32	32	Lisa Robyn Circle	60.31	3	4	0	12	300	0	3600	162	47.86	46.97	0.55	8	PVC	0.010	752341	0.00	188085	0.02
32	38	Lisa Robyn Circle	59.32	4	9	8	20	300	2400	6000	215	46.87	45.90	0.45	8	PVC	0.010	681780	0.01	170445	0.04
38	32	Lisa Robyn Circle	61.10	9	5	4	108	300	1200	70475	116	45.69	45.35	0.29	12	PVC	0.010	1620185	0.04	405046	0.17
32	32	Lisa Robyn Circle	61.71	5	6	8	116	300	2400	72875	203	45.32	44.61	0.35	12	PVC	0.010	1769845	0.04	442461	0.16
32	32	Lisa Robyn Circle	60.14	8	7	8	8	300	2400	2400	148	53.76	52.87	0.60	8	PVC	0.010	787121	0.00	196780	0.01
32	33	Lisa Robyn Circle	60.32	7	57	0	8	300	0	2400	54	52.83	52.45	0.70	12	PVC	0.010	2510435	0.00	627609	0.00
33	32	Lisa Robyn Circle	60.56	57	6	0	8	300	0	2400	175	52.41	51.05	0.78	8	PVC	0.010	894804	0.00	223701	0.01
32	39	Lisa Robyn Circle	59.95	6	1	0	124	300	0	75275	163	44.58	43.76	0.50	12	PVC	0.010	2122596	0.04	530649	0.14
39	39	New Hampshire Ave.	60.06	1	2	2	126	2000	4000	79275	123	43.61	43.24	0.30	18	PVC	0.010	4839262	0.02	1209815	0.07
39	39	New Hampshire Ave.	59.74	2	3	0	126	2000	0	79275	265	43.24	42.19	0.40	18	PVC	0.010	5553957	0.01	1388489	0.06
39	39	New Hampshire Ave.	?	3	4	0	126	2000	0	79275	200	42.14	41.35	0.40	18	PVC	0.010	5545355	0.01	1386339	0.06
37	37	HICKORY COURT	94.63	1	2	22	22	225	4950	4950	200	86.86	85.77	0.55	8	PVC	0.010	749334	0.01	187334	0.03
37	37	DEER PATH	93.78	2	3	0	22	225	0	4950	95	85.61	85.06	0.58	8	PVC	0.010	772319	0.01	193080	0.03
37	37	DEER PATH	91.99	3	4	12	34	225	2700	7650	224	84.96	83.64	0.59	8	PVC	0.010	779185	0.01	194796	0.04
37	37	DEER PATH	90.04	5	4	20	20	225	4500	4500	120	84.39	83.63	0.63	8	PVC	0.010	807781	0.01	201945	0.02
37	37	HEMLOCK COURT	91.87	4	6	20	74	225	4500	16650	222	83.54	73.90	4.34	8	PVC	0.010	2115142	0.01	528785	0.03
37	37	DEER PATH	83.25	6	18	0	74	2000	0	16650	36	73.86	73.47	1.08	10	PVC	0.010	1915513	0.01	478878	0.03
37	37	Route 70	80.20	27	26	0	0	2000	0	0	172	74.89	74.38	0.30	8	PVC	0.010	552711	0.00	138178	0.00
37	37	Route 70	81.57	26	25	0	0	2000	0	0	39	74.38	74.29	0.23	8	PVC	0.010	487603	0.00	121901	0.00
37	37	Route 70	81.69	25	24	0	0	2000	0	0	39	74.14	73.89	0.64	8	PVC	0.010	812672	0.00	203168	0.00
37	37	Route 70	81.18	24	23	1	1	2000	2000	2000	319	73.84	72.70	0.36	8	PVC	0.010	606785	0.00	151696	0.01
37	37	Route 70	82.44	23	22	0	1	2000	0	2000	25	72.64	72.48	0.64	8	PVC	0.010	812021	0.00	203005	0.01
37	37	Route 70	82.66	22	21	0	1	2000	0	2000	28	72.37	72.32	0.18	8	PVC	0.010	428927	0.00	107232	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
37	37	Route 70	86.25	19	20	0	0	2000	0	0	95	74.22	73.84	0.40	8	PVC	0.010	641959	0.00	160490	0.00
37	37	Route 70	84.78	20	21	0	0	2000	0	0	370	73.81	72.33	0.40	8	PVC	0.010	641959	0.00	160490	0.00
37	37	Route 70	83.48	21	18	0	1	2000	0	2000	122	72.20	71.70	0.41	8	PVC	0.010	649804	0.00	162451	0.01
37	37	Route 70	83.15	18	17	0	74	2000	0	18650	244	71.59	70.87	0.30	10	PVC	0.010	999713	0.02	249928	0.07
37	37	Route 70	85.27	17	8	0	74	2000	0	18650	194	70.67	70.05	0.32	10	PVC	0.010	1040397	0.02	260099	0.07
37	37	Route 70	80.75	8	9	1	75	2000	2000	20650	69	70.00	69.98	0.03	12	PVC	0.010	509500	0.04	127375	0.16
43	43	SALVATORE COURT	92.86	13	10	4	4	300	1200	1200	270	86.30	85.24	0.39	8	PVC	0.010	635987	0.00	158997	0.01
43	43	SALVATORE DRIVE	97.61	12	11	4	4	300	1200	1200	95	91.69	88.77	3.07	8	PVC	0.010	1779537	0.00	444884	0.00
43	43	SALVATORE DRIVE	95.65	11	10	1	5	300	300	1500	119	88.70	85.44	2.74	8	PVC	0.010	1680013	0.00	420003	0.00
43	43	SALVATORE DRIVE	95.04	10	9	4	13	300	1200	3900	351	84.75	83.01	0.50	8	PVC	0.010	714658	0.01	178665	0.02
43	43	SALVATORE DRIVE	91.92	9	8	3	16	300	900	4800	267	82.67	81.61	0.40	8	PVC	0.010	639550	0.01	159888	0.03
43	43	SALVATORE DRIVE	90.87	8	6	0	16	300	0	4800	58	81.34	81.02	0.55	8	PVC	0.010	753943	0.01	188486	0.03
43	43	VERMONT AVENUE	86.40	7	6	0	0	300	0	0	251	81.90	80.93	0.39	8	PVC	0.010	630996	0.00	157749	0.00
43	43	VERMONT AVENUE	92.31	6	5	0	16	300	0	4800	295	80.71	77.84	0.97	8	PVC	0.010	1001169	0.00	250292	0.02
43	43	VERMONT AVENUE	90.20	5	4	0	16	300	0	4800	296	77.77	77.55	0.07	8	PVC	0.010	276722	0.02	69180	0.07
43	37	VERMONT AVENUE	89.66	4	13	0	16	300	0	4800	312	77.41	76.00	0.45	8	PVC	0.010	682354	0.01	170588	0.03
43	43	SYMPHONY DRIVE	92.70	15	16	6	6	225	1350	1350	220	83.44	81.49	0.89	8	PVC	0.010	955616	0.00	238904	0.01
43	43	SYMPHONY DRIVE	90.82	16	17	14	20	225	3150	4500	196	81.37	79.60	0.90	8	PVC	0.010	964575	0.00	241144	0.02
43	43	SYMPHONY DRIVE	88.20	17	28	0	20	225	0	4500	45	79.39	79.15	0.53	8	PVC	0.010	741271	0.01	185318	0.02
43	43	SYMPHONY DRIVE	87.45	28	18	0	20	225	0	4500	84	78.99	78.54	0.54	8	PVC	0.010	742923	0.01	185731	0.02
43	43	SYMPHONY DRIVE	91.95	14	21	12	12	225	2700	2700	217	82.60	80.37	1.03	8	PVC	0.010	1028964	0.00	257241	0.01
43	43	SYMPHONY DRIVE	89.35	21	20	18	30	225	4050	6750	198	80.26	79.41	0.43	8	PVC	0.010	665050	0.01	166262	0.04
43	43	SYMPHONY DRIVE	86.63	20	19	0	30	225	0	6750	40	79.22	79.03	0.47	8	PVC	0.010	699559	0.01	174890	0.04
43	43	SYMPHONY DRIVE	86.56	19	18	0	30	225	0	6750	66	79.03	78.54	0.74	8	PVC	0.010	874588	0.01	218647	0.03
43	37	SYMPHONY DRIVE	86.98	18	29	0	50	225	0	11250	143	78.24	77.71	0.37	8	PVC	0.010	617941	0.02	154485	0.07
37	37	LOCUST STREET	94.84	30	29	42	42	225	9450	9450	393	79.21	77.70	0.38	8	PVC	0.010	629172	0.02	157293	0.06
37	37	LOCUST STREET	87.04	29	14	0	92	225	0	20700	170	77.58	75.32	1.33	8	PVC	0.010	1170327	0.02	292582	0.07
37	37	LOCUST STREET	85.44	14	13	0	92	225	0	20700	90	75.14	74.69	0.50	8	PVC	0.010	717732	0.03	179433	0.12
37	37	VERMONT AVENUE	85.31	13	15	0	108	225	0	25500	203	74.69	73.84	0.42	8	PVC	0.010	656809	0.04	164202	0.16
37	37	VERMONT AVENUE	87.87	15	16	0	108	225	0	25500	204	73.76	70.44	1.63	8	PVC	0.010	1294886	0.02	323721	0.08
37	37	VERMONT AVENUE	82.81	16	9	0	108	225	0	25500	68	70.44	70.03	0.60	8	PVC	0.010	788161	0.03	197040	0.13
37	37	Route 70	82.20	9	10	0	183	330	0	46150	167	69.98	69.81	0.10	12	PVC	0.010	954817	0.05	238704	0.19
37	37	Route 70	80.50	10	11	0	183	2000	0	46150	328	69.61	67.51	0.64	12	PVC	0.010	2394566	0.02	598642	0.08
37	38	Route 70	77.40	11	10	0	183	2000	0	46150	400	67.41	63.41	1.00	12	PVC	0.010	2992638	0.02	748159	0.06
38	38	Route 70	73.70	10	11	1	184	2000	2000	48150	400	63.31	61.24	0.52	12	PVC	0.010	2152828	0.02	538207	0.09

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Route 70	70.14	13	11	1	1	2000	2000	2000	35	61.75	61.24	1.46	4	PVC	0.010	192966	0.01	48242	0.04
38	38	Route 70	71.40	11	14	0	185	2000	0	50150	346	56.31	54.86	0.42	12	PVC	0.010	1937314	0.03	484329	0.10
38	38	Route 70	70.14	15	14	1	1	2000	2000	2000	17	61.05	60.26	4.65	4	PVC	0.010	344604	0.01	86151	0.02
38	38	Route 70	69.91	14	17	0	186	2000	0	52150	89	54.85	54.54	0.35	12	PVC	0.010	1766200	0.03	441550	0.12
38	38	Woodbine Ave.	68.55	22	21	25	25	300	7500	7500	400	61.65	59.69	0.49	8	PVC	0.010	710519	0.01	177630	0.04
38	38	Woodbine Ave.	68.07	21	20	20	45	300	6000	13500	211	59.67	58.95	0.34	8	PVC	0.010	592929	0.02	148232	0.09
38	38	Woodbine Ave.	66.28	20	25	0	45	300	0	13500	58	58.75	58.46	0.50	8	PVC	0.010	717732	0.02	179433	0.08
38	38	Patriots Way	67.16	23	24	18	18	300	5400	5400	355	60.14	58.19	0.55	8	PVC	0.010	752282	0.01	188070	0.03
38	38	Patriots Way	66.39	24	25	8	26	300	2400	7800	68	58.05	57.82	0.34	8	PVC	0.010	590319	0.01	147580	0.05
38	38	Patriots Way	65.70	25	19	0	71	300	0	21300	98	57.63	57.16	0.48	8	PVC	0.010	702932	0.03	175733	0.12
38	38	Patriots Way	66.28	19	18	0	71	300	0	21300	377	57.11	55.40	0.45	8	PVC	0.010	683604	0.03	170901	0.12
38	38	Patriots Way	69.48	18	17	0	71	300	0	21300	43	55.36	54.98	0.88	8	PVC	0.010	954190	0.02	238548	0.09
38	38	Route 70	68.85	17	26	0	257	300	0	73450	122	54.54	54.30	0.20	12	PVC	0.010	1327333	0.06	331833	0.22
43	37	Harrogate Dvpmt	81.95	1	12	24	24	300	7200	7200	396	76.00	74.65	0.34	8	PVC	0.010	592648	0.01	148162	0.05
37	38	Locust St.	84.20	12	39	1	25	3000	3000	10200	220	74.55	71.12	1.56	8	PVC	0.010	1267398	0.01	316850	0.03
38	44	Locust St.	81.00	39	2	15	40	300	4500	14700	221	71.12	66.70	2.00	8	PVC	0.010	1435464	0.01	358866	0.04
43	43	Harrogate Dvpmt	73.40	2	3	28	28	300	8400	8400	101	68.75	68.05	0.69	8	PVC	0.010	845018	0.01	211254	0.04
43	44	Harrogate Dvpmt	71.95	3	8	14	42	300	4200	12600	372	67.95	66.60	0.36	8	PVC	0.010	611467	0.02	152867	0.08
44	44	Harrogate Dvpmt	70.96	8	7	9	51	300	2700	15300	132	66.50	66.08	0.32	8	PVC	0.010	572552	0.03	143138	0.11
44	44	Harrogate Dvpmt		7	6	0	51	300	0	15300	85	66.05	65.64	0.48	8	PVC	0.010	704953	0.02	176238	0.09
44	44	Harrogate Dvpmt	69.96	6	5	6	57	300	1800	17100	173	65.61	64.72	0.51	8	PVC	0.010	728030	0.02	182008	0.09
44	44	Harrogate Dvpmt	70.72	5	4	5	62	300	1500	18600	114	64.72	64.22	0.44	8	PVC	0.010	672218	0.03	168054	0.11
44	44	Harrogate Dvpmt	70.07	4	3	25	87	300	7500	26100	201	64.22	63.38	0.42	8	PVC	0.010	656174	0.04	164044	0.16
44	44	Harrogate Dvpmt	71.88	3	2	15	102	300	4500	30600	398	63.33	62.40	0.23	8	PVC	0.010	490656	0.06	122664	0.25
44	44	Locust St.	75.00	2	9	0	142	300	0	45300	278	62.40	61.26	0.41	8	PVC	0.010	649991	0.07	162498	0.28
44	44	Locust St.	69.00	9	10	0	142	300	0	45300	250	61.26	60.20	0.42	8	PVC	0.010	660937	0.07	165234	0.27
44	44	Locust St.	66.00	10	14	0	142	300	0	45300	75	60.10	59.71	0.52	8	PVC	0.010	731946	0.06	182987	0.25
44	44	Locust St.	67.71	14	18	0	142	300	0	45300	71.5	59.39	59.08	0.43	8	PVC	0.010	668352	0.07	167088	0.27
44	38	Locust St.	67.71	18	38	0	142	300	0	45300	104	59.03	58.67	0.35	8	PVC	0.010	597189	0.08	149297	0.30
38	38	Offroad	67.58	38	37	0	142	300	0	45300	300	58.52	57.31	0.40	8	PVC	0.010	644628	0.07	161157	0.28
38	38	Davids Court	63.61	37	35	22	164	300	6600	51900	336	57.31	55.80	0.45	8	PVC	0.010	680450	0.08	170113	0.31
38	38	Davids Court	64.18	35	26	25	189	300	7500	59400	400	55.75	54.30	0.36	8	PVC	0.010	611127	0.10	152782	0.39
38	38	Route 70	68.42	26	27	0	446	300	0	132850	161.4	54.22	53.49	0.45	12	DIP	0.013	1548176	0.09	387044	0.34
38	38	Davids Court	62.66	36	34	7	7	300	2100	2100	69	56.46	55.94	0.75	8	PVC	0.010	881160	0.00	220290	0.01
38	38	Davids Court	63.13	34	33	8	15	300	2400	4500	168	55.89	55.26	0.38	8	PVC	0.010	621574	0.01	155394	0.03
38	38	Davids Court	63.53	33	27	9	24	300	2700	7200	293	55.13	54.10	0.35	8	PVC	0.010	601814	0.01	150453	0.05
38	38	Route 70	67.17	27	28	0	470	300	0	140050	183.4	53.49	52.72	0.42	12	DIP	0.013	1491614	0.09	372904	0.38
38	38	Route 70	64.86	28	29	0	470	300	0	140050	356	52.72	51.13	0.45	12	PVC	0.010	1999989	0.07	499997	0.28

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Davina Court	62.77	40	43	20	20	225	4500	4500	206.7	57.04	52.97	1.97	8	PVC	0.010	1424310	0.00	356077	0.01
38	38	Davina Court	60.71	43	42	0	20	225	0	4500	106.5	52.97	51.33	1.54	8	PVC	0.010	1259576	0.00	314894	0.01
44	44	Sophee Lane	106.53	72	71	36	36	225	8100	8100	400	100.50	94.70	1.45	8	PVC	0.010	1222254	0.01	305563	0.03
44	44	Amy Court	100.14	71	70	12	48	225	2700	10800	125	94.20	90.20	3.20	8	PVC	0.010	1815735	0.01	453934	0.02
44	44	Cole Lane	96.15	70	73	12	60	225	2700	13500	260	90.00	88.20	0.69	8	PVC	0.010	844553	0.02	211138	0.06
44	44	Cole Lane	93.90	73	69	12	72	225	2700	16200	260	88.00	83.20	1.85	8	PVC	0.010	1379150	0.01	344787	0.05
44	44	Cole Lane	89.38	69	68	0	72	225	0	16200	80	83.00	81.20	2.25	8	PVC	0.010	1522540	0.01	380635	0.04
44	44	Cole Lane	86.84	68	67	0	72	225	0	16200	70	81.00	79.20	2.57	8	PVC	0.010	1627664	0.01	406916	0.04
44	44	Cole Lane	84.77	67	63	12	84	225	2700	18900	270	79.00	72.20	2.52	8	PVC	0.010	1610831	0.01	402708	0.05
44	44	Cole Lane	78.07	63	62	0	84	225	0	18900	55	72.00	71.20	1.45	8	PVC	0.010	1224168	0.02	306042	0.06
44	44	Sophee Lane	98.83	66	65	24	24	225	5400	5400	270	93.00	82.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.01
44	44	Sophee Lane	87.92	65	64	12	36	225	2700	8100	225	82.00	74.20	3.47	8	PVC	0.010	1889877	0.00	472469	0.02
44	44	Sophee Lane	80.80	64	62	0	36	225	0	8100	60	74.00	71.20	4.67	8	PVC	0.010	2192708	0.00	548177	0.01
44	44	Jared Court	79.20	62	61	24	144	225	5400	32400	287	71.00	69.40	0.56	8	PVC	0.010	757873	0.04	189468	0.17
44	44	Jared Court	77.12	61	60	1	145	2000	2000	34400	285	69.20	67.60	0.56	8	PVC	0.010	760528	0.05	190132	0.18
44	44	Jared Court	74.85	60	59	0	145	225	0	34400	33	67.40	66.70	2.12	8	PVC	0.010	1478323	0.02	369581	0.09
44	44	Jared Court	74.60	59	58	0	145	225	0	34400	120	66.50	65.70	0.67	8	PVC	0.010	828766	0.04	207191	0.17
44	44	Jared Court	73.57	58	57	0	145	225	0	34400	142	65.50	62.74	1.94	8	PVC	0.010	1415102	0.02	353776	0.10
44	44	Jared Court	71.28	57	56	0	145	225	0	34400	175	62.54	60.79	1.00	8	PVC	0.010	1015027	0.03	253757	0.14
44	55	Locust Street	69.38	56	19	0	145	225	0	34400	95	60.59	60.11	0.51	8	PVC	0.010	721500	0.05	180375	0.19
44	44	Locust St.	69.76	19	20	74	219	225	16650	51050	61	59.41	59.27	0.23	8	PVC	0.010	486269	0.10	121567	0.42
44	38	Rose Court	69.67	20	49	9	228	300	2700	53750	172	59.27	58.52	0.44	8	PVC	0.010	670261	0.08	167565	0.32
38	38	Rose Court	68.27	50	49	12	12	300	3600	3600	200	60.77	59.52	0.63	8	PVC	0.010	802449	0.00	200612	0.02
38	38	Rose Court	67.20	49	48	0	240	300	0	57350	44	58.50	58.32	0.40	8	PVC	0.010	640133	0.09	160033	0.36
38	38	Rose Court	66.42	48	47	23	263	300	6900	64250	364	58.22	55.34	0.79	8	PVC	0.010	902865	0.07	225716	0.28
38	38	Rose Court	62.74	47	46	0	263	300	0	64250	71	55.26	54.68	0.82	8	PVC	0.010	917407	0.07	229352	0.28
38	38	Rose Court	63.46	46	45	8	271	300	2400	66650	119	54.64	52.60	1.71	8	PVC	0.010	1328982	0.05	332245	0.20
38	38	Offroad	59.80	45	42	0	271	300	0	66650	327	50.92	49.67	0.38	8	PVC	0.010	627565	0.11	156891	0.42
38	38	Davids Court	60.65	42	44	20	311	225	4500	75650	174.1	49.65	48.80	0.49	8	PVC	0.010	709231	0.11	177308	0.43
38	38	Davids Court	59.80	44	41	0	311	300	0	75650	101.5	48.75	48.33	0.41	8	PVC	0.010	652934	0.12	163233	0.46
38	38	Davids Court	60.28	41	29	40	351	225	9000	84650	170.7	48.29	47.63	0.39	8	PVC	0.010	631150	0.13	157788	0.54
38	38	Route 70	64.03	29	30	0	821	300	0	224700	368.8	47.38	45.93	0.39	12	DIP	0.013	1443442	0.16	360860	0.62
38	38	Route 70	60.73	30	31	0	821	300	0	224700	400.9	45.93	44.07	0.46	12	PVC	0.010	2038415	0.11	509604	0.44
38	38	Route 70	60.45	31	32	0	821	300	0	224700	316.3	44.07	42.90	0.37	12	PVC	0.010	1820109	0.12	455027	0.49
38	39	Route 70	57.35	32	4	0	821	300	0	224700	209.5	42.12	41.35	0.37	18	PVC	0.010	5349142	0.04	1337286	0.17
49	49	Swiss Mountain Dr.	105.71	3	4	5	5	300	1500	1500	260	98.81	84.12	5.65	8	PVC	0.010	2412691	0.00	603173	0.00
49	44	New Hampshire Ave.	91.90	4	54	1	6	300	300	1800	323	84.02	82.41	0.50	8	PVC	0.010	716620	0.00	179155	0.01
44	44	New Hampshire Ave.	90.00	54	55	4	10	300	1200	3000	400	82.31	76.43	1.47	8	PVC	0.010	1230654	0.00	307664	0.01
44	44	New Hampshire Ave.	83.75	55	33	0	10	300	0	3000	262	76.33	65.72	4.05	8	PVC	0.010	2042605	0.00	510651	0.01
49	44	Swiss Mountain Dr.	109.39	2	51	5	5	300	1500	1500	275	101.71	92.36	3.40	8	PVC	0.010	1871617	0.00	467904	0.00
44	44	Swiss Mountain Dr.	104.27	53	52	1	1	300	300	300	103	97.32	93.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.00
44	44	Swiss Mountain Dr.	99.87	52	51	1	2	300	300	600	64	93.10	92.36	1.16	8	PVC	0.010	1091449	0.00	272862	0.00
44	44	Hanna Dr.	99.80	51	50	2	9	300	600	2700	220	92.26	84.56	3.50	8	PVC	0.010	1898941	0.00	474735	0.01
44	44	Hanna Dr.	91.00	50	48	1	10	300	300	3000	110	84.46	79.68	4.35	8	PVC	0.010	2115899	0.00	528975	0.01
44	44	Tamara Ct.	87.45	49	48	4	4	300	1200	1200	254	80.95	79.68	0.50	8	PVC	0.010	717732	0.00	179433	0.01
44	44	Hanna Dr.	86.18	48	47	2	16	300	600	4800	320	79.58	73.18	2.00	8	PVC	0.010	1435464	0.00	358866	0.01
44	44	Hanna Dr.	79.39	47	46	2	18	300	600	5400	90	73.08	72.14	1.04	8	PVC	0.010	1037338	0.01	259334	0.02
44	44	Hanna Dr.	78.39	46	35	1	19	300	300	5700	155	72.04	67.78	2.75	8	PVC	0.010	1682738	0.00	420684	0.01
49	44	Isabella Dr.	115.20	1	45	8	8	300	2400	2400	363	107.82	103.90	1.08	8	PVC	0.010	1054793	0.00	263698	0.01
44	44	Isabella Dr.	111.20	45	44	4	12	300	1200	3600	263	103.80	94.10	3.69	8	PVC	0.010	1949330	0.00	487333	0.01
44	44	Isabella Dr.	101.04	44	43	3	15	300	900	4500	130	94.00	83.75	7.88	8	PVC	0.010	2850150	0.00	712537	0.01
44	44	Isabella Dr.	92.15	43	42	8	23	300	2400	6900	400	83.66	73.79	2.47	8	PVC	0.010	1594432	0.00	398608	0.02
44	44	Isabella Dr.	82.90	42	41	2	25	300	600	7500	100	73.69	73.19	0.50	8	PVC	0.010	717732	0.01	179433	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
44	44	Isabella Dr.	80.65	40	41	2	2	300	600	600	140	74.00	73.19	0.58	8	PVC	0.010	772069	0.00	193017	0.00
44	44	Belgian Hill Rd.	82.15	41	39	1	28	300	300	8400	107	73.09	71.96	1.06	8	PVC	0.010	1043097	0.01	260774	0.03
44	44	Belgian Hill Rd.	80.56	39	38	3	31	300	900	9300	240	71.86	69.22	1.10	8	PVC	0.010	1064569	0.01	266142	0.03
44	44	Belgian Hill Rd.	77.02	38	37	1	32	300	300	9600	83	69.12	68.71	0.49	8	PVC	0.010	713395	0.01	178349	0.05
44	44	Belgian Hill Rd.	75.73	37	36	0	32	300	0	9600	61	68.61	68.31	0.49	8	PVC	0.010	711825	0.01	177956	0.05
44	44	Belgian Hill Rd.	75.40	36	35	2	34	300	600	10200	88	68.21	67.77	0.50	8	PVC	0.010	717732	0.01	179433	0.06
44	44	Belgian Hill Rd.	76.64	35	34	1	54	300	300	16200	150	67.67	66.92	0.50	8	PVC	0.010	717732	0.02	179433	0.09
44	44	Belgian Hill Rd.	79.23	34	33	3	57	300	900	17100	225	66.82	65.70	0.50	8	PVC	0.010	716135	0.02	179034	0.10
44	44	New Hampshire Ave.	77.73	33	32	0	67	300	0	20100	295	65.60	63.74	0.63	8	PVC	0.010	805977	0.02	201494	0.10
44	44	New Hampshire Ave.	72.00	32	31	0	67	300	0	20100	275	63.64	59.52	1.50	8	PVC	0.010	1242395	0.02	310599	0.06
44	44	New Hampshire Ave.	66.30	31	29	0	67	300	0	20100	400	59.42	57.47	0.49	8	PVC	0.010	708704	0.03	177176	0.11
44	38	New Hampshire Ave.	65.60	29	58	3	70	300	900	21000	19	57.37	56.29	5.68	8	PVC	0.010	2419984	0.01	604996	0.03
44	44	Locust St.	69.90	25	27	0	0	2000	0	0	195	60.71	58.96	0.90	8	DIP	0.013	739666	0.00	184917	0.00
44	44	Offroad	65.09	27	28	48	48	300	14400	14400	252	58.76	56.22	1.01	8	DIP	0.013	783882	0.02	195970	0.07
44	38	Offroad	64.70	28	57	48	96	300	14400	28800	166	56.02	54.36	1.00	8	DIP	0.013	780790	0.04	195197	0.15
38	38	Offroad	62.28	57	56	24	120	300	7200	36000	190	54.16	52.26	1.00	8	DIP	0.013	780790	0.05	195197	0.18
44	38	Offroad	65.00	26	51	48	48	300	14400	14400	200	59.22	58.22	0.50	8	DIP	0.013	552102	0.03	138025	0.10
38	38	Offroad	63.20	51	52	48	96	300	14400	28800	270	58.12	56.76	0.50	8	DIP	0.013	554143	0.05	138536	0.21
38	38	Offroad	61.23	52	53	0	96	300	0	28800	125	56.56	55.94	0.50	8	DIP	0.013	549889	0.05	137472	0.21
38	38	Offroad	61.52	53	54	24	120	300	7200	36000	230	55.84	54.69	0.50	8	DIP	0.013	552102	0.07	138025	0.26
38	38	Offroad	62.42	54	55	24	144	300	7200	43200	248	54.49	53.25	0.50	8	DIP	0.013	552102	0.08	138025	0.31
38	38	Offroad	59.53	55	56	24	168	300	7200	50400	155	53.05	52.26	0.51	8	DIP	0.013	557419	0.09	139355	0.36
38	38	Offroad	60.95	56	58	1	289	2000	2000	88400	185	52.06	50.01	1.11	8	DIP	0.013	821912	0.11	205478	0.43
38	38	New Hampshire Ave.	64.20	58	59	0	359	300	0	109400	240	49.84	47.57	0.95	10	DIP	0.013	1376791	0.08	344198	0.32
38	38	New Hampshire Ave.	62.50	59	60	0	359	300	0	109400	235	47.47	46.44	0.44	10	PVC	0.010	1218397	0.09	304599	0.36
38	39	New Hampshire Ave.	63.00	60	8	1	360	300	300	109700	324	46.34	44.90	0.44	10	PVC	0.010	1226910	0.09	306728	0.36
39	39	New Hampshire Ave.	59.10	8	7	0	360	300	0	109700	79	44.80	44.45	0.44	10	PVC	0.010	1224968	0.09	306242	0.36
39	39	New Hampshire Ave.	58.50	7	6	0	360	300	0	109700	185	44.35	43.53	0.44	10	PVC	0.010	1225251	0.09	306313	0.36
39	39	New Hampshire Ave.	56.00	6	5	0	360	300	0	109700	150	43.43	42.77	0.44	10	PVC	0.010	1220760	0.09	305190	0.36
39	39	New Hampshire Ave.	56.20	5	4	1	361	2000	2000	111700	85	42.67	42.25	0.49	10	PVC	0.010	1293658	0.09	323414	0.35
39	39	Route 70	55.32	4	9	0	1308	300	0	415675	391.5	41.35	40.50	0.22	18	PVC	0.010	4111255	0.10	1027814	0.40
39	39	Route 70	54.58	9	10	0	1308	300	0	415675	406.8	40.50	40.12	0.09	18	PVC	0.010	2696697	0.15	674174	0.62
39	39	Route 70	57.27	10	11	0	1308	300	0	415675	403.3	40.12	39.48	0.16	18	PVC	0.010	3514849	0.12	878712	0.47
39	39	Route 70	50.76	12	11	1	1	2000	2000	2000	21	46.00	45.34	3.14	6	PVC	0.010	835545	0.00	208886	0.01
39	39	Route 70	56.67	11	13	0	1309	300	0	417675	355.5	39.48	38.87	0.17	18	PVC	0.010	3654904	0.11	913726	0.46
39	39	Route 70	55.13	13	14	0	1309	300	0	417675	347	31.67	30.95	0.21	18	PVC	0.010	4019132	0.10	1004783	0.42
39	39	Route 70	48.67	14	15	0	1309	300	0	417675	403.6	30.95	30.50	0.11	24	PVC	0.010	6344997	0.07	1586249	0.26
39	39	Route 70	41.67	15	17	0	1309	300	0	417675	418.3	30.50	29.72	0.19	24	PVC	0.010	8205483	0.05	2051371	0.20
39	34	Route 70	47.20	17	26	0	1309	300	0	417675	364	29.72	28.96	0.21	24	PVC	0.010	8682742	0.05	2170685	0.19
34	34	Route 70	47.55	26	27	0	1309	300	0	417675	500.6	28.96	28.13	0.17	24	PVC	0.010	7737388	0.05	1934347	0.22
34	34	Route 70	46.36	27	28	0	1309	300	0	417675	499.9	28.13	27.26	0.17	24	PVC	0.010	7927182	0.05	1981796	0.21
34	34	Route 70	46.98	28	29	0	1309	300	0	417675	500.3	27.26	26.52	0.15	24	PVC	0.010	7308048	0.06	1827012	0.23
34	34	Route 70	45.14	29	30	0	1309	300	0	417675	444.5	26.52	25.88	0.14	24	PVC	0.010	7210326	0.06	1802581	0.23

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
29	29	Oak St.		1	1A	2	2	3000	6000	6000	170	44.76	44.08	0.40	8	ACP	0.013	493815	0.01	123454	0.05
29	29	Oak St.		1A	2	0	2	3000	0	6000	300	44.08	43.34	0.25	8	ACP	0.013	387783	0.02	96946	0.06
29	29	Oak St.	49.23	2	3	2	4	3000	6000	12000	320	42.84	42.50	0.11	14	ACP	0.013	1131879	0.01	282970	0.04
29	29	Oak St.	48.46	3	4	1	5	3000	3000	15000	400	42.50	41.70	0.20	14	ACP	0.013	1552925	0.01	388231	0.04
29	29	Oak St.	46.86	4	5	0	5	3000	0	15000	400	41.70	40.72	0.25	14	ACP	0.013	1718773	0.01	429693	0.03
29	29	Airport Rd.	50.31	10	9	1	1	4500	4500	4500	170	42.02	41.78	0.14	14	ACP	0.013	1304718	0.00	326180	0.01
29	29	Airport Rd.	48.37	9	8	0	1	3000	0	4500	72	41.78	41.70	0.11	14	ACP	0.013	1157482	0.00	289371	0.02
29	29	Airport Rd.	48.56	8	6	0	1	3000	0	4500	362	41.70	41.28	0.12	14	ACP	0.013	1182785	0.00	295696	0.02
29	29	Airport Rd.	48.23	6	5	1	2	3000	3000	7500	400	41.28	40.72	0.14	14	ACP	0.013	1299270	0.01	324818	0.02
29	34	Airport Rd.	48.14	5	8	2	9	3000	6000	28500	175	40.72	40.38	0.19	14	ACP	0.013	1530580	0.02	382645	0.07
34	34	Airport Rd.	45.92	8	7	0	9	3000	0	28500	100	40.38	40.20	0.18	14	ACP	0.013	1473234	0.02	368309	0.08
29	34	Airport Rd.	46.51	17	10	2	2	3000	6000	6000	329	43.47	42.41	0.32	14	ACP	0.013	1971018	0.00	492754	0.01
34	34	Airport Rd.	42.37	10	9	0	2	3000	0	6000	145	42.41	41.67	0.51	14	ACP	0.013	2480661	0.00	620165	0.01
34	34	Airport Rd.		9	7	0	2	3000	0	6000	290	41.67	40.20	0.51	14	ACP	0.013	2472266	0.00	618067	0.01
34	34	Airport Rd.	48.16	7	6	2	13	3500	7000	41500	400	40.20	39.92	0.07	14	ACP	0.013	918723	0.05	229681	0.18
34	34	Airport Rd.	50.07	6	5	0	13	3000	0	41500	50	39.92	39.83	0.18	14	ACP	0.013	1473234	0.03	368309	0.11
34	34	Gusmer Dr.	54.20	3	4	2	2	3500	7000	7000	351	46.62	44.62	0.57	8	ACP	0.013	589380	0.01	147345	0.05
34	34	Gusmer Dr.	52.12	4	5	0	2	3000	0	7000	390	44.62	41.67	0.76	8	ACP	0.013	679067	0.01	169767	0.04
34	34	Airport Rd.	50.04	5	12	0	15	3000	0	48500	400	39.83	39.36	0.12	14	ACP	0.013	1190295	0.04	297574	0.16
34	34	Airport Rd.	49.69	12	13	3	18	3000	9000	57500	400	39.36	38.80	0.14	14	ACP	0.013	1299270	0.04	324818	0.18
34	34	Airport Rd.	48.33	13	21	3	21	2000	6000	63500	390	38.80	38.25	0.14	14	ACP	0.013	1304021	0.05	326005	0.19
34	34	Route 70	47.96	20	19	2	2	1500	3000	3000	205	40.16	39.44	0.35	10	PVC	0.010	1090670	0.00	272668	0.01
34	34	Route 70	47.59	19	18	0	2	3000	0	3000	294	39.44	38.63	0.28	10	PVC	0.010	965991	0.00	241498	0.01
34	34	Route 70	45.33	18	21	0	2	3000	0	3000	179	38.58	38.03	0.31	10	PVC	0.010	1020138	0.00	255035	0.01
34	34	Route 70	Buried	21	22	0	23	3000	0	66500	100	37.73	32.80	4.93	14	ACP	0.013	7710082	0.01	1927521	0.03
35	35	Route 70		5	4	0	0	3000	0	0	180	41.08	40.18	0.50	8	PVC	0.010	717732	0.00	179433	0.00
35	35	Route 70		4	3	0	0	3000	0	0	80	40.18	39.32	1.08	12	PVC	0.010	3102833	0.00	775708	0.00
35	35	Route 70		3	2	0	0	3000	0	0	400	39.22	37.60	0.40	12	PVC	0.010	1904503	0.00	476126	0.00
35	35	Route 70		2	1	0	0	3000	0	0	400	37.60	36.00	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
35	34	Route 70		1	25	0	0	3000	0	0	400	36.00	34.40	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
34	34	Route 70		25	24	1	1	1000	1000	1000	400	34.40	32.80	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
34	34	Route 70		24	23	0	1	3000	0	1000	225	32.80	31.90	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
34	34	Route 70		23	22	0	1	3000	0	1000	70	31.90	31.62	0.40	12	PVC	0.010	1892710	0.00	473178	0.00

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
34	34	Route 70		22	30	0	24	3000	0	67500	115	31.12	25.88	4.56	18	PVC	0.010	18834215	0.00	4708554	0.01
34	34	Route 70	42.56	30	31	0	1333	3000	0	485175	74	25.88	25.71	0.23	24	PVC	0.010	9107714	0.05	2276928	0.21
34	34	Route 70	45.26	31	32	0	1333	3000	0	485175	417	25.71	24.98	0.18	24	PVC	0.010	7950495	0.06	1987624	0.24
34	34	Route 70	44.88	32	33	0	1333	3000	0	485175	324.4	24.98	24.34	0.20	24	PVC	0.010	8440153	0.06	2110038	0.23
34	40	Route 70	42.26	33	27	3	1336	3000	9000	494175	342.1	24.34	23.80	0.16	24	DIP	0.013	5807347	0.09	1451837	0.34
40	40	Offroad	39.42	27	25	0	1336	3000	0	494175	104	23.80	23.62	0.17	24	DIP	0.013	6081028	0.08	1520257	0.33
40	40	Offroad	37.80	25	26	0	3180	3000	0	907175	239	23.62	21.78	0.77	24	DIP	0.013	12825296	0.07	3206324	0.28
					OCUA																
35	35	Route 70	41.02	6	7	10	10	2000	20000	20000	160	34.52	33.07	0.91	8	PVC	0.010	966277	0.02	241569	0.08
35	41	Route 70	39.96	7	1	0	10	2000	0	20000	197	33.07	31.91	0.59	8	PVC	0.010	778885	0.03	194721	0.10
41	41	Route 70	38.81	1	2	0	10	2000	0	20000	120	31.91	31.53	0.32	8	PVC	0.010	571187	0.04	142797	0.14
41	41	Route 70	37.79	2	5	0	10	2000	0	20000	139	31.53	30.65	0.63	8	PVC	0.010	807628	0.02	201907	0.10
41	41	Route 70	35.63	5	6	0	10	2000	0	20000	99	30.65	27.75	2.93	8	PVC	0.010	1737236	0.01	434309	0.05
41	41	Route 70	35.85	6	7	0	10	2000	0	20000	41	25.58	24.73	2.07	8	PVC	0.010	1461487	0.01	365372	0.05
					OCUA																
35	35	Route 70		11	10	1	1	2000	2000	2000	145	36.37	35.64	0.50	8	PVC	0.010	720203	0.00	180051	0.01
35	35	Route 70		10	9	0	1	3000	0	2000	320	35.54	33.13	0.75	8	PVC	0.010	880868	0.00	220217	0.01
35	35	Route 70	38.70	9	13	0	1	3000	0	2000	71	33.13	32.35	1.10	8	PVC	0.010	1063887	0.00	265972	0.01
35	35	Parking Lot	40.79	13	14	0	1	3000	0	2000	324	32.35	30.46	0.58	8	PVC	0.010	775239	0.00	193810	0.01
35	41	Parking Lot	39.01	14	8	0	1	3000	0	2000	183	30.46	28.88	0.86	8	PVC	0.010	943149	0.00	235787	0.01
41	41	Offroad	33.77	8	9	0	1	3000	0	2000	120	28.88	28.04	0.70	8	PVC	0.010	849232	0.00	212308	0.01
41	41	Offroad	33.96	9	10	0	1	3000	0	2000	34	28.04	27.82	0.65	8	PVC	0.010	816487	0.00	204122	0.01
35	41	Service	33.49	15	10	5	5	2000	10000	10000	180	33.16	27.82	2.97	8	PVC	0.010	1748283	0.01	437071	0.02
41	41	Offroad	33.50	10	11	0	6	3000	0	12000	17	27.82	27.75	0.41	8	PVC	0.010	651331	0.02	162833	0.07
					OCUA																
41	41	Parking Lot	36.92	21	20	1	1	2000	2000	2000	186	27.70	25.05	1.42	8	PVC	0.010	1211557	0.00	302889	0.01
41	41	Offroad	31.00	20	19	0	1	3000	0	2000	8	24.98	24.78	2.50	8	PVC	0.010	1604898	0.00	401224	0.00
41	41	Offroad	31.00	19	18	0	1	3000	0	2000	8	24.73	24.33	5.00	8	PVC	0.010	2269669	0.00	567417	0.00
					OCUA																
35	36	Parking Lot	35.30	16	12	10	10	2000	20000	20000	120	27.75	26.98	0.64	8	PVC	0.010	813078	0.02	203269	0.10
36	36	Offroad	32.30	12	13	0	10	2000	0	20000	90	26.88	26.35	0.59	8	PVC	0.010	778922	0.03	194731	0.10
36	36	Offroad	35.80	15	14	5	5	2000	10000	10000	206	28.50	27.23	0.62	8	PVC	0.010	796977	0.01	199244	0.05
36	36	Offroad	30.28	14	13	0	5	2000	0	10000	121	27.13	26.35	0.64	8	PVC	0.010	814952	0.01	203738	0.05
36	36	Offroad	32.75	13	16	0	5	2000	0	10000	14	26.28	26.05	1.64	8	PVC	0.010	1301000	0.01	325250	0.03
36	36	Offroad	33.25	16	17	0	5	2000	0	10000	37	26.00	25.05	2.57	8	PVC	0.010	1626441	0.01	406610	0.02
36	36	Offroad	33.25	17	18	0	5	2000	0	10000	13	20.75	19.18	12.08	8	PVC	0.010	3527407	0.00	881852	0.01
					OCUA																

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	Parking Lot	39.80	1	2	2	2	2000	4000	4000	324	30.45	28.25	0.68	8	PVC	0.010	836404	0.00	209101	0.02
36	36	Parking Lot	37.25	2	3	0	2	2000	0	4000	304	28.15	26.25	0.63	8	PVC	0.010	802449	0.00	200612	0.02
36	36	Parking Lot	37.10	3	4	3	5	2000	6000	10000	363	26.15	23.99	0.60	8	PVC	0.010	782981	0.01	195745	0.05
36	36	Parking Lot	33.67	4	5	0	5	2000	0	10000	192	23.99	22.70	0.67	8	PVC	0.010	831997	0.01	207999	0.05
36	36	Parking Lot	33.50	5	6	0	5	2000	0	10000	48	22.63	22.30	0.69	8	PVC	0.010	841616	0.01	210404	0.05
36	36	Shorrock St.	31.00	6	7	0	5	2000	0	10000	106	22.19	21.43	0.72	8	PVC	0.010	859471	0.01	214868	0.05
36	36	Shorrock St.	31.50	7	8	0	5	2000	0	10000	13	21.10	21.01	0.69	8	PVC	0.010	844553	0.01	211138	0.05
36	36	Parking Lot	37.00	11	10	5	5	2000	10000	10000	260	30.80	29.04	0.68	8	PVC	0.010	835117	0.01	208779	0.05
36	36	Parking Lot	36.00	10	9	0	5	2000	0	10000	284	29.03	27.32	0.60	8	PVC	0.010	787619	0.01	196905	0.05
36	36	Shorrock St.	36.18	9	8	0	5	2000	0	10000	30	27.23	27.04	0.63	8	PVC	0.010	807781	0.01	201945	0.05
36	36	Shorrock St.	31.00	8	21	0	10	2000	0	20000	48	19.63	19.24	0.81	8	PVC	0.010	914933	0.02	228733	0.09
36	36	Shorrock St.	29.85	21	20	0	10	2000	0	20000	19	19.24	19.15	0.47	8	PVC	0.010	698589	0.03	174647	0.11
					OCUA																
55	55	Silverspring Dr.	81.36	34	33	8	8	170	1360	1360	188	74.95	74.16	0.42	8	PVC	0.010	657979	0.00	164495	0.01
55	55	Silverspring Dr.	79.13	33	32	10	18	170	1700	3060	301	73.98	72.78	0.40	8	PVC	0.010	640892	0.00	160223	0.02
55	55	Silverspring Dr.	81.09	32	31	5	23	170	850	3910	123	72.70	72.21	0.40	8	PVC	0.010	640653	0.01	160163	0.02
55	55	Silverspring Dr.	79.34	31	30	5	28	170	850	4760	146	71.97	71.42	0.38	8	PVC	0.010	622992	0.01	155748	0.03
55	55	Silverspring Dr.	78.54	30	29	4	32	170	680	5440	120	71.39	70.88	0.43	8	PVC	0.010	661716	0.01	165429	0.03
55	55	Silverspring Dr.	77.14	29	27	11	43	170	1870	7310	360	70.83	69.26	0.44	8	PVC	0.010	670310	0.01	167578	0.04
55	55	Spring Meadow Dr.	77.39	28	27	0	0	170	0	0	150	70.07	69.33	0.49	8	PVC	0.010	712931	0.00	178233	0.00
55	55	Spring Meadow Dr.	75.63	27	26	0	43	170	0	7310	140	69.26	68.78	0.34	8	PVC	0.010	594339	0.01	148585	0.05
55	55	Spring Meadow Dr.	75.99	26	22	0	43	170	0	7310	221	68.74	67.97	0.35	8	PVC	0.010	599138	0.01	149784	0.05
55	55	Autumn Rise Lane	79.91	25	24	9	9	170	1530	1530	218	71.75	68.80	1.35	8	PVC	0.010	1180756	0.00	295189	0.01
55	55	Autumn Rise Lane	74.55	24	23	2	11	170	340	1870	70	68.73	68.35	0.54	8	PVC	0.010	747860	0.00	186965	0.01
55	55	Autumn Rise Lane	72.39	23	22	1	12	170	170	2040	77	68.27	67.97	0.39	8	PVC	0.010	633567	0.00	158392	0.01
55	55	Spring Meadow Dr.	72.37	22	21	0	55	170	0	9350	69	67.90	67.61	0.42	8	PVC	0.010	658039	0.01	164510	0.06
55	55	Spring Meadow Dr.	72.81	21	20	0	55	170	0	9350	224	67.56	66.85	0.32	8	PVC	0.010	571456	0.02	142864	0.07
55	55	Spring Meadow Dr.	72.54	20	19	0	55	170	0	9350	150	66.85	66.39	0.31	8	PVC	0.010	562096	0.02	140524	0.07
55	55	Spring Meadow Dr.	72.70	19	16	0	55	170	0	9350	111	66.35	65.96	0.35	8	PVC	0.010	601656	0.02	150414	0.06
55	55	Autumn Rise Lane	79.66	18	17	8	8	170	1360	1360	217	72.54	67.08	2.52	8	PVC	0.010	1610067	0.00	402517	0.00
55	55	Autumn Rise Lane	74.81	17	16	1	9	170	170	1530	53	66.98	65.92	2.00	8	PVC	0.010	1435464	0.00	358866	0.00
55	55	Spring Meadow Dr.	74.81	16	13	0	64	170	0	10880	303	65.90	64.67	0.41	8	PVC	0.010	646709	0.02	161677	0.07
55	55	Silverwoods Dr.	79.00	15	14	6	6	170	1020	1020	196	70.84	66.00	2.47	8	PVC	0.010	1595042	0.00	398760	0.00
55	55	Silverwoods Dr.	74.25	14	13	0	6	170	0	1020	40	65.94	64.85	2.73	8	PVC	0.010	1675563	0.00	418891	0.00
55	55	Spring Meadow Dr.	74.39	13	9	0	70	170	0	11900	304	64.64	63.66	0.32	8	PVC	0.010	576307	0.02	144077	0.08

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
55	55	Silverwoods Dr.	79.25	12	11	9	9	170	1530	1530	195	71.37	69.51	0.95	8	PVC	0.010	991326	0.00	247832	0.01
55	55	Silverwoods Dr.	77.45	11	10	3	12	170	510	2040	61	69.43	68.87	0.92	8	PVC	0.010	972538	0.00	243134	0.01
55	55	Silverwoods Dr.	76.85	10	9	2	14	170	340	2380	137	68.76	63.94	3.52	8	PVC	0.010	1903885	0.00	475971	0.01
55	55	Spring Meadow Dr.	76.41	9	8	0	84	170	0	14280	148	63.56	63.07	0.33	8	PVC	0.010	584043	0.02	146011	0.10
55	55	Spring Meadow Dr.	80.11	8	7	0	84	170	0	14280	93	62.97	62.65	0.34	8	PVC	0.010	595403	0.02	148851	0.10
55	51	Spring Meadow Dr.	82.50	7	41	0	84	170	0	14280	340	62.47	61.49	0.29	8	PVC	0.010	544943	0.03	136236	0.10
51	51	Spring Meadow Dr.	78.52	41	40	0	84	170	0	14280	400	61.46	60.06	0.35	8	PVC	0.010	600498	0.02	150124	0.10
51	51	Spring Meadow Dr.	74.96	40	39	0	84	170	0	14280	250	60.04	59.15	0.36	8	PVC	0.010	605623	0.02	151406	0.09
51	51	Spring Meadow Dr.	76.91	39	38	0	84	170	0	14280	300	59.07	58.00	0.36	8	PVC	0.010	606190	0.02	151547	0.09
51	51	Spring Meadow Dr.	72.58	38	37	0	84	170	0	14280	267	57.83	56.73	0.41	8	PVC	0.010	651506	0.02	162876	0.09
51	51	Spring Meadow Dr.	62.89	37	36	0	84	170	0	14280	35	56.73	56.60	0.37	8	PVC	0.010	618607	0.02	154652	0.09
55	55	Goldensprings Dr.	84.10	37	36	4	4	170	680	680	138	76.34	74.71	1.18	8	PVC	0.010	1103143	0.00	275786	0.00
55	55	Goldensprings Dr.	82.35	36	35	4	8	170	680	1360	152	74.62	72.92	1.12	8	PVC	0.010	1073446	0.00	268361	0.01
55	51	Springmeadow Dr.	81.25	35	42	4	12	170	680	2040	355	72.68	69.80	0.81	8	PVC	0.010	914238	0.00	228560	0.01
51	51	Spring Meadow Dr.	77.73	42	43	4	16	170	680	2720	303	69.75	68.17	0.52	8	PVC	0.010	732967	0.00	183242	0.01
51	51	Spring Meadow Dr.	77.04	43	44	4	20	170	680	3400	202	67.97	66.97	0.50	8	PVC	0.010	714170	0.00	178543	0.02
51	51	Spring Meadow Dr.	77.25	44	45	8	28	170	1360	4760	396	66.97	62.82	1.05	8	PVC	0.010	1039092	0.00	259773	0.02
51	51	Spring Meadow Dr.	69.86	45	36	4	32	170	680	5440	220	62.73	56.60	2.79	8	PVC	0.010	1694323	0.00	423581	0.01
51	51	Greensprings Dr.	87.85	52	53	11	11	170	1870	1870	275	81.17	75.30	2.13	8	PVC	0.010	1482962	0.00	370741	0.01
51	55	Greensprings Dr.	82.47	53	40	1	12	170	170	2040	80	75.10	73.64	1.82	8	PVC	0.010	1371225	0.00	342806	0.01
55	55	Greensprings Dr.	80.01	40	39	0	12	170	0	2040	97	73.52	72.65	0.90	8	PVC	0.010	961283	0.00	240321	0.01
55	55	Goldensprings Dr.	82.10	38	39	5	5	170	850	850	110	74.83	72.59	2.04	8	PVC	0.010	1448455	0.00	362114	0.00
55	55	Goldensprings Dr.	78.92	39	41	2	19	170	340	3230	89	72.42	69.60	3.17	8	PVC	0.010	1806787	0.00	451697	0.01
55	55	Goldensprings Dr.	76.82	41	42	8	27	170	1360	4590	188	69.47	65.15	2.30	8	PVC	0.010	1538652	0.00	384663	0.01
55	51	Goldensprings Dr.	72.43	42	54	9	36	170	1530	6120	241	64.98	59.52	2.27	8	PVC	0.010	1527796	0.00	381949	0.02
51	51	Goldensprings Dr.	67.18	54	55	5	41	170	850	6970	119	59.46	58.61	0.71	8	PVC	0.010	857854	0.01	214464	0.03
51	51	Goldensprings Dr.	66.22	55	47	12	53	170	2040	9010	369	58.55	56.85	0.46	8	PVC	0.010	688952	0.01	172238	0.05
51	51	Greensprings Dr.	89.73	51	50	6	6	170	1020	1020	161	81.52	80.07	0.90	8	PVC	0.010	963271	0.00	240818	0.00
51	51	Greensprings Dr.	88.09	50	49	13	19	170	2210	3230	300	79.97	71.83	2.71	8	PVC	0.010	1671972	0.00	417993	0.01
51	51	Greensprings Dr.	79.59	49	48	2	21	170	340	3570	82	71.73	69.88	2.26	8	PVC	0.010	1524602	0.00	381150	0.01
51	51	Greensprings Dr.	77.61	48	47	4	25	170	680	4250	221	69.75	64.35	2.44	8	PVC	0.010	1586639	0.00	396660	0.01
51	52	Goldensprings Dr.	72.16	47	100	3	81	170	510	13770	192	56.79	55.61	0.61	8	PVC	0.010	795734	0.02	198933	0.07
52	52	Greensfields Dr.	79.99	44	43	5	5	170	850	850	156.5	71.99	68.32	2.35	8	PVC	0.010	1554366	0.00	388592	0.00
52	52	Greensfields Dr.	76.74	43	42	12	17	170	2040	2890	339.5	68.32	60.54	2.29	8	PVC	0.010	1536552	0.00	384138	0.01
52	52	Summerfield Dr.	67.40	42	41	0	17	170	0	2890	192	60.46	59.74	0.37	8	PVC	0.010	621574	0.00	155394	0.02
52	52	Summerfield Dr.	65.60	41	40	0	17	170	0	2890	89.5	59.64	59.24	0.45	8	PVC	0.010	678572	0.00	169643	0.02
52	52	Summerfield Dr.	64.20	40	39	3	20	170	510	3400	184	59.22	58.52	0.38	8	PVC	0.010	626062	0.01	156516	0.02
52	52	Summerfield Dr.	68.44	39	38	1	21	170	170	3570	36.5	58.48	58.24	0.66	8	PVC	0.010	823070	0.00	205767	0.02
52	52	Summerfield Dr.	68.05	38	37	3	24	170	510	4080	164	58.12	57.40	0.44	8	PVC	0.010	672546	0.01	168136	0.02
52	52	Summerfield Dr.	67.63	37	34	0	24	170	0	4080	279	57.38	56.21	0.42	8	PVC	0.010	657307	0.01	164327	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	Greensfields Dr.	80.53	36	35	6	6	170	1020	1020	175	71.68	68.15	2.02	8	PVC	0.010	1441603	0.00	360401	0.00
52	52	Greensfields Dr.	76.61	35	34	7	13	170	1190	2210	211.5	68.15	64.21	1.86	8	PVC	0.010	1385385	0.00	346346	0.01
52	52	Summerfield Dr.	72.95	34	33	0	37	170	0	6290	147.5	56.09	55.50	0.40	8	PVC	0.010	641959	0.01	160490	0.04
52	52	Summerfield Dr.	75.93	33	32	0	37	170	0	6290	181	55.40	54.65	0.41	8	PVC	0.010	653384	0.01	163346	0.04
52	52	Summerfield Dr.	76.51	32	31	0	37	170	0	6290	218	54.58	53.77	0.37	8	PVC	0.010	618716	0.01	154679	0.04
52	52	Summerfield Dr.	72.83	31	30	0	37	170	0	6290	155	53.62	52.94	0.44	8	PVC	0.010	672305	0.01	168076	0.04
52	52	Summerfield Dr.	71.78	30	100	0	37	170	0	6290	135	52.80	52.25	0.41	8	PVC	0.010	647876	0.01	161969	0.04
52	51	Summerfield Dr.	70.02	100	46	0	118	170	0	20060	200	52.25	51.38	0.43	8	PVC	0.010	669456	0.03	167364	0.12
51	51	Summerfield Dr.	67.44	46	36	0	118	170	0	20060	315	51.35	50.20	0.37	8	PVC	0.010	613297	0.03	153324	0.13
51	51	Spring Meadow Dr.	63.72	36	35	0	234	170	0	39780	191	50.13	49.60	0.28	10	PVC	0.010	969450	0.04	242362	0.16
51	51	Spring Meadow Dr.		35	34	0	84	170	0	14280	340	49.55	48.61	0.28	10	PVC	0.010	967673	0.01	241918	0.06
52	52	Bellflower Dr	69.15	19	18	7	7	170	1190	1190	179	60.27	56.88	1.89	8	PVC	0.010	1396853	0.00	349213	0.00
52	51	Bellflower Dr	64.91	18	57	7	14	170	1190	2380	165.5	56.75	54.85	1.15	8	PVC	0.010	1087565	0.00	271891	0.01
51	51	Bellflower Dr	63.10	57	56	1	15	170	170	2550	62	54.70	53.43	2.05	8	PVC	0.010	1452725	0.00	363181	0.01
51	52	Bellflower Dr	61.76	56	16	7	22	170	1190	3740	304.5	53.15	51.70	0.48	8	PVC	0.010	700435	0.01	175109	0.02
52	52	Bellflower Dr	64.46	17	16	7	7	170	1190	1190	187	56.86	51.80	2.71	8	PVC	0.010	1669675	0.00	417419	0.00
52	51	Bellflower Dr	61.14	16	34	2	31	170	340	5270	206.5	51.64	48.70	1.42	8	PVC	0.010	1211131	0.00	302783	0.02
51	51	Spring Meadow Dr.	59.65	34	33	0	115	170	0	19550	117	48.70	48.29	0.35	10	PVC	0.010	1089440	0.02	272360	0.07
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52	52	Fallcrest Ct.	63.81	9	10	3	3	170	510	510	75	55.99	54.94	1.40	8	PVC	0.010	1200996	0.00	300249	0.00
52	52	Fallcrest Ct.	62.19	10	11	5	8	170	850	1360	220	54.94	52.93	0.91	8	PVC	0.010	970206	0.00	242552	0.01
52	51	Spring Meadow Dr.	60.45	11	33	0	123	170	0	20910	58.5	52.85	52.60	0.43	8	PVC	0.010	663544	0.03	165886	0.13
51	52	Spring Meadow Dr.	59.47	33	3	0	238	170	0	40460	359	48.10	47.09	0.28	12	PVC	0.010	1587331	0.03	396833	0.10
52	52	Spring Meadow Dr.	59.28	3	1	0	238	170	0	40460	189	46.98	46.59	0.21	12	PVC	0.010	1359426	0.03	339856	0.12
51	51	Golden Willow Ave.	58.77	32	31	8	8	170	1360	1360	137	51.53	50.84	0.50	8	PVC	0.010	720347	0.00	180087	0.01
51	51	Golden Willow Ave.	58.49	31	30	4	12	170	680	2040	41	50.76	50.53	0.56	8	PVC	0.010	760238	0.00	190059	0.01
51	51	Golden Willow Ave.	57.79	30	29	16	28	170	2720	4760	223	50.43	49.32	0.50	8	PVC	0.010	716121	0.01	179030	0.03
51	46	Golden Willow Ave.	59.64	29	74	8	36	170	1360	6120	237	49.15	48.03	0.47	8	PVC	0.010	697770	0.01	174442	0.04
46	52	Golden Willow Ave.	58.30	74	1	12	48	170	2040	8160	251	47.98	46.59	0.55	8	PVC	0.010	755350	0.01	188837	0.04
52	47	Golden Willow Ave.	58.00	1	21	0	286	170	0	48620	183	46.52	45.75	0.42	12	PVC	0.010	1941216	0.03	485304	0.10
52	52	Springlawn Dr.	72.81	15	14	10	10	170	1700	1700	325.5	64.44	62.62	0.56	8	PVC	0.010	758993	0.00	189748	0.01
52	52	Springlawn Dr.	70.50	14	13	12	22	170	2040	3740	330	62.61	60.67	0.59	8	PVC	0.010	778254	0.00	194563	0.02
52	52	Springlawn Dr.	68.09	13	12	4	26	170	680	4420	170.5	60.65	59.87	0.46	8	PVC	0.010	686535	0.01	171634	0.03
52	52	Springlawn Dr.	67.02	12	8	4	30	170	680	5100	125	59.87	59.28	0.47	8	PVC	0.010	697346	0.01	174337	0.03
52	52	Springlawn Dr.	65.80	8	7	1	31	170	170	5270	37	59.11	58.87	0.65	8	PVC	0.010	817490	0.01	204372	0.03
52	52	Springlawn Dr.	65.54	7	6	10	41	170	1700	6970	260	58.87	52.87	2.31	8	PVC	0.010	1541936	0.00	385484	0.02
52	52	Springlawn Dr.	60.54	6	4	3	44	170	510	7480	134	52.87	49.16	2.77	8	PVC	0.010	1688931	0.00	422233	0.02
52	52	Fernlands Ct.	61.70	5	4	7	7	170	1190	1190	203	53.66	49.16	2.22	8	PVC	0.010	1511248	0.00	377812	0.00
52	47	Springlawn Dr.	57.61	4	21	4	55	170	680	9350	200	49.16	47.48	0.84	8	PVC	0.010	930287	0.01	232572	0.04
47	47	Spring Meadow Dr.	55.28	21	19	0	341	170	0	57970	210	45.67	43.24	1.16	12	PVC	0.010	3219197	0.02	804799	0.07
47	47	Spring Meadow Dr.	50.14	19	18	0	341	170	0	57970	169.5	43.17	40.56	1.54	12	PVC	0.010	3713552	0.02	928388	0.06
47	47	Jade Lawns Dr.		18	12	0	341	170	0	57970	37.5	40.45	40.07	1.01	8	PVC	0.010	1021771	0.06	255443	0.23

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Green Willows Dr.	53.30	17	15	8	8	170	1360	1360	81	45.95	43.79	2.67	8	PVC	0.010	1657532	0.00	414383	0.00
47	47	Green Willows Dr.	50.98	16	15	8	8	170	1360	1360	140	44.54	43.79	0.54	8	PVC	0.010	742923	0.00	185731	0.01
47	47	Green Willows Dr.	52.22	15	13	4	20	170	680	3400	142	43.79	42.42	0.96	8	PVC	0.010	996996	0.00	249249	0.01
47	47	Green Willows Dr.	49.92	14	13	8	8	170	1360	1360	172	43.67	42.38	0.75	8	PVC	0.010	879039	0.00	219760	0.01
47	47	Green Willows Dr.	50.73	13	12	4	32	170	680	5440	154	42.32	40.97	0.88	8	PVC	0.010	950351	0.01	237588	0.02
47	47	Jade Lawns Dr.	50.74	12	10	0	373	170	0	63410	69	40.07	39.33	1.07	12	PVC	0.010	3099170	0.02	774793	0.08
47	47	Jade Lawns Dr.	49.15	11	10	10	10	170	1700	1700	240.5	42.18	39.43	1.14	8	PVC	0.010	1085391	0.00	271348	0.01
47	47	Jade Lawns Dr.	50.70	10	7	16	399	170	2720	67830	355.5	39.19	38.31	0.25	12	PVC	0.010	1488935	0.05	372234	0.18
47	47	Greenlawns Dr.	49.63	1	2	12	12	170	2040	2040	190.5	42.93	42.04	0.47	8	PVC	0.010	693785	0.00	173446	0.01
47	47	Greenlawns Dr.	48.72	2	4	20	32	170	3400	5440	357	41.98	40.61	0.38	8	PVC	0.010	628787	0.01	157197	0.03
47	47	Greenlawns Dr.	45.69	5	4	8	8	170	1360	1360	140	41.22	40.68	0.39	8	PVC	0.010	630391	0.00	157598	0.01
47	47	Silverlawns Dr.	46.45	4	6	0	40	170	0	6800	219.5	40.57	39.51	0.48	8	PVC	0.010	705364	0.01	176341	0.04
47	47	Silverlawns Dr.	46.80	6	7	12	52	170	2040	8840	226	39.28	38.38	0.40	8	PVC	0.010	640537	0.01	160134	0.06
52	52	Morningside Ct.	70.80	25	24	3	3	170	510	510	217	61.94	59.45	1.15	8	PVC	0.010	1087295	0.00	271824	0.00
52	52	Morningside Ct.	67.82	24	23	0	3	170	0	510	42	59.39	58.89	1.19	8	PVC	0.010	1107485	0.00	276871	0.00
52	52	Morningside Ct.	67.30	23	22	2	5	170	340	850	129	58.80	56.91	1.47	8	PVC	0.010	1228608	0.00	307152	0.00
52	52	Morningside Ct.	65.28	22	21	2	7	170	340	1190	57	56.78	55.92	1.51	8	PVC	0.010	1246778	0.00	311695	0.00
52	52	Morningside Ct.	64.00	21	20	4	11	170	680	1870	241	55.88	49.50	2.65	8	PVC	0.010	1651503	0.00	412876	0.00
52	52	Morningside Ct.	71.92	28	27	1	1	3000	3000	3000	172	62.64	60.06	1.50	8	PVC	0.010	1243149	0.00	310787	0.01
52	52	Morningside Ct.	70.43	27	26	0	1	170	0	3000	155	59.96	57.79	1.40	8	PVC	0.010	1200996	0.00	300249	0.01
52	52	Morningside Ct.	Buried	26	20	0	1	170	0	3000	185	57.69	49.52	4.42	8	PVC	0.010	2133058	0.00	533264	0.01
52	47	Morningside Ct.	56.10	20	9	8	20	170	1360	6230	231	49.48	42.78	2.90	8	PVC	0.010	1728657	0.00	432164	0.01
47	47	Morningside Ct.	50.46	9	8	0	20	170	0	6230	216.5	42.68	41.19	0.69	8	PVC	0.010	842057	0.01	210514	0.03
47	47	Silverlawns Dr.	48.79	8	7	4	24	170	680	6910	189	41.00	38.34	1.41	8	PVC	0.010	1204169	0.01	301042	0.02
47	47	Silverlawns Dr.	47.38	7	22	0	475	170	0	83580	316	38.13	37.08	0.33	12	PVC	0.010	1725064	0.05	431266	0.19
47	47	Summerwinds Dr.	45.61	22	23	0	475	170	0	83580	104.5	37.00	36.71	0.28	12	PVC	0.010	1576504	0.05	394126	0.21
52	52	EverGreen Springs Dr.	70.47	73	72	8	8	170	1360	1360	239	64.34	63.15	0.50	8	PVC	0.010	716229	0.00	179057	0.01
52	52	EverGreen Springs Dr.	69.26	72	71	2	10	170	340	1700	55	62.98	62.75	0.42	8	PVC	0.010	656387	0.00	164097	0.01
52	52	EverGreen Springs Dr.	68.96	71	70	4	14	170	680	2380	164	62.67	61.93	0.45	8	PVC	0.010	681823	0.00	170456	0.01
52	52	Lilac Springs Ct.	73.84	74	70	14	14	170	2380	2380	343	65.78	61.93	1.12	8	PVC	0.010	1075377	0.00	268844	0.01
52	52	EverGreen Springs Dr.	72.05	70	69	5	33	170	850	5610	208	61.77	60.47	0.63	8	PVC	0.010	802449	0.01	200612	0.03
52	52	EverGreen Springs Dr.	76.52	69	68	2	35	170	340	5950	66	60.33	59.96	0.56	8	PVC	0.010	759987	0.01	189997	0.03
52	52	EverGreen Springs Dr.	74.89	68	66	13	48	170	2210	8160	330	59.83	57.97	0.56	8	PVC	0.010	762039	0.01	190510	0.04
52	52	EverGreen Springs Dr.	66.46	67	66	2	2	170	340	340	74	58.41	58.04	0.50	8	PVC	0.010	717732	0.00	179433	0.00
52	52	EverGreen Springs Dr.	68.17	66	65	1	51	170	170	8670	71	57.88	57.57	0.44	8	PVC	0.010	670701	0.01	167675	0.05
52	52	April Springs Ct.	67.00	65	64	4	55	170	680	9350	187	57.49	56.41	0.58	8	PVC	0.010	771380	0.01	192845	0.05
52	52	April Springs Ct.	65.01	64	62	1	56	170	170	9520	47	56.34	56.09	0.53	8	PVC	0.010	740284	0.01	185071	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	April Springs Ct.	73.60	63	62	14	14	170	2380	2380	340	65.96	56.09	2.90	8	PVC	0.010	1729404	0.00	432351	0.01
52	52	April Springs Ct.	64.73	62	61	1	71	170	170	12070	137	56.00	55.27	0.53	8	PVC	0.010	740932	0.02	185233	0.07
52	52	Offroad	67.23	61	60	5	76	170	850	12920	292	55.16	53.78	0.47	8	PVC	0.010	697791	0.02	174448	0.07
52	52	Brightwinds Ct.	65.60	60	59	7	83	170	1190	14110	174	53.68	53.04	0.37	8	PVC	0.010	615592	0.02	153898	0.09
52	52	Brightwinds Ct.	66.61	59	58	4	87	170	680	14790	93	52.75	52.34	0.44	8	PVC	0.010	673950	0.02	168488	0.09
52	52	Brightwinds Ct.	66.56	58	57	4	91	170	680	15470	174.5	52.19	51.36	0.48	8	PVC	0.010	700033	0.02	175008	0.09
52	52	Summerwinds Dr.	65.08	57	56	2	93	170	340	15810	51.5	51.24	51.03	0.41	8	PVC	0.010	648162	0.02	162040	0.10
52	52	Summerwinds Dr.	64.29	56	55	9	102	170	1530	17340	265	50.88	49.64	0.47	8	PVC	0.010	694329	0.02	173582	0.10
52	47	Summerwinds Dr.	59.16	55	26	12	114	170	2040	19380	300	49.42	40.38	3.01	8	PVC	0.010	1761980	0.01	440495	0.04
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47	47	Star Winds Ct.	51.74	27	26	5	5	170	850	850	211	43.26	40.21	1.45	8	PVC	0.010	1220355	0.00	305089	0.00
47	47	Summerwinds Dr.	48.79	26	25	9	128	170	1530	21760	238	40.12	38.65	0.62	8	PVC	0.010	797715	0.03	199429	0.11
47	47	Summerwinds Dr.	45.54	25	24	4	132	170	680	22440	151	38.59	37.65	0.62	8	PVC	0.010	800853	0.03	200213	0.11
47	47	Summerwinds Dr.	45.35	24	23	0	132	170	0	22440	153.5	37.59	37.01	0.38	8	PVC	0.010	623932	0.04	155983	0.14
47	47	Summerwinds Dr.	45.71	23	28	1	608	170	170	106190	72	36.71	36.58	0.18	12	PVC	0.010	1271626	0.08	317907	0.33
47	47	Summerwinds Dr.	46.26	28	29	1	609	170	170	106360	120.5	36.58	36.33	0.21	12	PVC	0.010	1363109	0.08	340777	0.31
47	47	Amberwinds Ct.	48.34	31	30	4	4	170	680	680	120	41.20	40.39	0.68	8	PVC	0.010	833929	0.00	208482	0.00
47	47	Amberwinds Ct.	47.78	30	29	10	14	170	1700	2380	294.5	40.25	36.73	1.20	8	PVC	0.010	1109701	0.00	277425	0.01
47	47	Amberwinds Ct.	46.30	29	32	1	624	170	170	108910	83.5	36.29	36.04	0.30	12	PVC	0.010	1637498	0.07	409375	0.27
47	47	Amberwinds Ct.	46.36	32	33	7	631	170	1190	110100	183	36.02	35.45	0.31	12	PVC	0.010	1670190	0.07	417548	0.26
47	47	Summerwinds Dr.	45.21	33	34	2	633	170	340	110440	148.5	35.35	34.96	0.26	12	PVC	0.010	1533639	0.07	383410	0.29
47	47	Summerwinds Dr.	43.98	34	35	0	633	170	0	110440	141	34.86	34.23	0.45	12	PVC	0.010	2000391	0.06	500098	0.22
47	47	Summerwinds Dr.	42.94	35	36	1	634	170	170	110610	124	34.17	34.00	0.14	12	PVC	0.010	1108071	0.10	277018	0.40
47	47	Summerwinds Dr.	48.91	38	37	16	16	170	2720	2720	400	41.00	38.03	0.74	8	PVC	0.010	874633	0.00	218658	0.01
47	47	Summerwinds Dr.	46.39	37	36	3	19	170	510	3230	154.5	37.94	34.32	2.34	8	PVC	0.010	1553701	0.00	388425	0.01
47	47	Summerwinds Dr.	45.14	36	39	0	653	170	0	113840	89	34.00	33.39	0.69	12	PVC	0.010	2477559	0.05	619390	0.18
52	52	Victoria Ct.	74.02	83	82	11	11	170	1870	1870	179	66.62	62.63	2.23	8	PVC	0.010	1515435	0.00	378859	0.00
52	52	Victoria Ct.	69.89	82	81	0	11	170	0	1870	86	62.49	61.45	1.21	8	PVC	0.010	1116207	0.00	279052	0.01
52	52	Lionshead Woods Blvd.	68.51	81	78	1	12	2000	2000	3870	312	61.45	60.23	0.39	8	PVC	0.010	634717	0.01	158679	0.02
52	52	Arlene Ct.	76.25	80	79	11	11	170	1870	1870	230	68.90	64.07	2.10	8	PVC	0.010	1470913	0.00	367728	0.01
52	52	Arlene Ct.	71.17	79	78	0	11	170	0	1870	46	64.00	63.04	2.09	8	PVC	0.010	1466338	0.00	366585	0.01
52	52	Lionshead Woods Blvd.	70.38	78	80	5	28	170	850	6590	229	60.17	56.85	1.45	8	PVC	0.010	1222162	0.01	305540	0.02
52	47	Cloverdale Dr.	62.99	80	79	2	30	170	340	6930	61	56.85	55.74	1.82	8	PVC	0.010	1369222	0.01	342306	0.02
47	47	Cloverdale Dr.	61.73	79	76	6	36	170	1020	7950	190	54.90	51.53	1.77	8	PVC	0.010	1351810	0.01	337952	0.02
52	52	Gayle Ct.	69.74	77	76	15	15	170	2550	2550	253	61.92	57.81	1.62	8	PVC	0.010	1293713	0.00	323428	0.01
52	47	Lionshead Woods Blvd.	64.96	76	78	0	15	170	0	2550	86	56.57	54.94	1.90	8	PVC	0.010	1397404	0.00	349351	0.01
47	47	Lionshead Woods Blvd.	61.85	78	76	0	15	170	0	2550	117	53.53	50.44	2.64	8	PVC	0.010	1649543	0.00	412386	0.01
52	47	Kramer Ct.	62.65	75	77	8	8	170	1360	1360	185	55.38	53.12	1.22	8	PVC	0.010	1121878	0.00	280470	0.00
47	47	Kramer Ct.	59.48	77	76	2	10	170	340	1700	102.2	52.23	51.57	0.65	8	PVC	0.010	815688	0.00	203922	0.01
47	47	Lionshead Woods Blvd.	58.03	76	69	0	61	170	0	12200	223	50.36	45.00	2.40	8	PVC	0.010	1573647	0.01	393412	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Devon Ct.	54.20	71	70	7	7	170	1190	1190	135	48.60	46.88	1.27	8	PVC	0.010	1145710	0.00	286428	0.00
47	47	Devon Ct.	53.43	70	69	2	9	170	340	1530	90	46.88	45.00	2.09	8	PVC	0.010	1467017	0.00	366754	0.00
48	47	Woodshill Dr. S	72.44	12	75	14	14	170	2380	2380	219	65.25	59.52	2.62	8	PVC	0.010	1641847	0.00	410462	0.01
47	47	Woodshill Dr. S	64.37	75	74	3	17	170	510	2890	114	59.52	56.29	2.83	8	PVC	0.010	1708544	0.00	427136	0.01
47	47	Martine Way	64.78	74	73	8	25	170	1360	4250	220	56.29	55.44	0.39	8	PVC	0.010	630922	0.01	157730	0.03
47	47	Martine Way	62.42	73	72	8	33	170	1360	5610	236	55.44	50.61	2.05	8	PVC	0.010	1452095	0.00	363024	0.02
47	47	Martine Way	57.19	72	69	4	37	170	680	6290	132	50.61	44.92	4.31	8	PVC	0.010	2107398	0.00	526850	0.01
47	47	Lionshead Woods Blvd.	53.18	69	68	0	107	170	0	20020	110	44.80	43.85	0.86	8	PVC	0.010	943285	0.02	235821	0.08
47	47	Lionshead Woods Blvd.	51.72	68	63	0	107	170	0	20020	128	43.85	42.70	0.90	8	PVC	0.010	962103	0.02	240526	0.08
48	47	Jean St.	67.23	11	67	12	12	170	2040	2040	248	60.40	59.22	0.48	8	PVC	0.010	700152	0.00	175038	0.01
47	47	Lionshead Woods Blvd.	63.95	67	66	0	12	170	0	2040	35	59.17	58.48	1.97	8	PVC	0.010	1425174	0.00	356294	0.01
47	47	Lionshead Woods Blvd.	63.93	66	65	4	16	170	680	2720	181	58.48	53.34	2.84	8	PVC	0.010	1710487	0.00	427622	0.01
47	47	Sailors Way	60.12	65	64	12	28	170	2040	4760	257	53.34	45.24	3.15	8	PVC	0.010	1801994	0.00	450499	0.01
47	47	Sailors Way	52.51	64	63	5	33	170	850	5610	214	45.24	42.82	1.13	8	PVC	0.010	1079390	0.01	269847	0.02
47	47	Lionshead Woods Blvd.	50.21	63	61	0	140	170	0	25630	35	42.70	42.54	0.46	8	PVC	0.010	686283	0.04	171571	0.15
47	47	Arden Ct.	50.81	62	61	9	9	170	1530	1530	155	43.74	42.74	0.65	8	PVC	0.010	815289	0.00	203822	0.01
47	47	Lionshead Woods Blvd.	49.95	61	60	0	149	170	0	27160	164	42.74	41.99	0.46	8	PVC	0.010	686414	0.04	171604	0.16
47	47	Lionshead Woods Blvd.	50.04	60	46	0	149	170	0	27160	94	41.99	41.68	0.33	8	PVC	0.010	582900	0.05	145725	0.19
47	47	Woodshill Dr. N	67.13	59	58	10	10	170	1700	1700	174	60.92	59.09	1.05	8	PVC	0.010	1040946	0.00	260237	0.01
47	47	Lionshead Woods Blvd.	65.99	58	57	5	15	170	850	2550	131	59.09	56.38	2.07	8	PVC	0.010	1459911	0.00	364978	0.01
47	47	Marni Dr.	63.11	57	56	3	18	170	510	3060	141	55.90	54.22	1.19	8	PVC	0.010	1107956	0.00	276989	0.01
47	47	Marni Dr.	60.51	56	51	5	23	170	850	3910	182	54.17	51.25	1.60	8	PVC	0.010	1285681	0.00	321420	0.01
47	47	Chaucer Ct.	63.56	55	54	6	6	170	1020	1020	62	57.32	57.10	0.35	8	PVC	0.010	604635	0.00	151159	0.01
47	47	Chaucer Ct.	63.67	54	53	6	12	170	1020	2040	172	57.10	56.42	0.40	8	PVC	0.010	638216	0.00	159554	0.01
47	47	Lionshead Woods Blvd.	62.54	53	51	0	12	170	0	2040	178	56.42	51.98	2.49	8	PVC	0.010	1603094	0.00	400773	0.01
47	47	Maple Crest Dr. S	58.28	52	51	8	8	170	1360	1360	39	51.47	51.25	0.56	8	PVC	0.010	762354	0.00	190588	0.01
47	47	Lionshead Woods Blvd.	58.45	51	48	0	43	170	0	7310	240	51.15	44.31	2.85	8	PVC	0.010	1713562	0.00	428391	0.02
47	47	Petty Place	52.90	49	48	8	8	170	1360	1360	152	45.02	44.42	0.39	8	PVC	0.010	637722	0.00	159430	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Joseph Dr.	52.34	50	48	8	8	170	1360	1360	139	45.24	44.27	0.70	8	PVC	0.010	847922	0.00	211980	0.01
47	47	Lionshead Woods Blvd.	51.25	48	47	0	59	170	0	10030	65	44.19	43.71	0.74	8	PVC	0.010	872251	0.01	218063	0.05
47	47	Lionshead Woods Blvd.	50.71	47	46	0	59	170	0	10030	112	43.71	42.56	1.03	8	PVC	0.010	1028531	0.01	257133	0.04
47	47	Lionshead Woods Blvd.	49.65	46	45	2	210	170	340	37530	130	41.61	41.18	0.33	8	PVC	0.010	583768	0.06	145942	0.26
47	47	Maple Crest Dr. N	50.49	45	44	11	221	170	1870	39400	229	41.18	40.13	0.46	8	PVC	0.010	687313	0.06	171828	0.23
47	47	Maple Crest Dr. N	50.18	44	43	0	221	170	0	39400	155	40.13	39.58	0.35	8	PVC	0.010	604635	0.07	151159	0.26
47	47	Offroad	50.36	43	39	0	221	170	0	39400	266	39.58	33.76	2.19	8	PVC	0.010	1501406	0.03	375351	0.10
47	47	Offroad	46.26	39	40	0	874	170	0	153240	328	33.39	30.26	0.95	12	PVC	0.010	2923408	0.05	730852	0.21
47	47	Offroad	43.44	40	41	0	874	170	0	153240	334	30.26	28.71	0.46	12	PVC	0.010	2038669	0.08	509667	0.30
47	47	Offroad	43.59	41	42	0	874	170	0	153240	247	28.71	27.56	0.47	12	PVC	0.010	2041994	0.08	510499	0.30
47	41	Offroad	43.13	42	22	0	874	170	0	153240	402	27.56	26.23	0.33	12	PVC	0.010	1721341	0.09	430335	0.36
41	41	Offroad	43.23	22	23	0	874	170	0	153240	340	26.23	25.16	0.31	12	PVC	0.010	1678829	0.09	419707	0.37
41	41	Offroad	40.85	23	24	0	874	170	0	153240	302	25.04	24.61	0.14	16	PVC	0.010	2431951	0.06	607988	0.25
41	41	Offroad	38.32	24	25	0	874	170	0	153240	155	24.61	24.38	0.15	16	DIP	0.013	1909760	0.08	477440	0.32
41	41	Offroad	37.47	25	26	0	874	170	0	153240	295	24.38	23.70	0.23	16	DIP	0.013	2380259	0.06	595065	0.26
41	41	Offroad	36.24	26	27	0	874	170	0	153240	337	23.70	23.08	0.18	16	DIP	0.013	2126482	0.07	531620	0.29
41	42	Offroad	36.54	27	1	0	874	170	0	153240	400	23.08	22.44	0.16	16	DIP	0.013	1983082	0.08	495771	0.31
42	42	Offroad	36.59	1	2	0	874	170	0	153240	399	22.44	21.67	0.19	16	DIP	0.013	2177909	0.07	544477	0.28
42	42	Offroad	31.46	2	3	0	874	170	0	153240	401	21.67	20.33	0.33	16	DIP	0.013	2865899	0.05	716475	0.21
42	42	Offroad	31.69	3	4	0	874	170	0	153240	392	20.33	18.60	0.44	16	DIP	0.013	3293523	0.05	823381	0.19
52	53	Greylawn Dr.	56.72	98	24	20	20	170	3400	3400	302	50.24	48.77	0.49	8	PVC	0.010	708162	0.00	177041	0.02
53	53	Greylawn Dr.	53.83	24	23	4	24	170	680	4080	155	48.66	47.95	0.46	8	PVC	0.010	686975	0.01	171744	0.02
53	53	Goldenedge Way	55.87	23	22	1	25	170	170	4250	98	47.88	47.45	0.44	8	PVC	0.010	672355	0.01	168089	0.03
53	53	Goldenedge Way	53.36	22	21	3	28	170	510	4760	184	47.37	46.68	0.37	8	PVC	0.010	621574	0.01	155394	0.03
53	53	Goldenedge Way	53.21	21	20	6	34	170	1020	5780	260	46.61	45.58	0.40	8	PVC	0.010	638865	0.01	159716	0.04
53	53	Goldenedge Way	53.72	20	19	6	40	170	1020	6800	160	45.53	44.92	0.38	8	PVC	0.010	626733	0.01	156683	0.04
53	53	Goldenedge Way	56.41	19	15	3	43	170	510	7310	178	44.86	44.15	0.40	8	PVC	0.010	641057	0.01	160264	0.05
52	52	Silverside Rd.	62.93	99	100	12	12	170	2040	2040	223	56.76	55.72	0.47	8	PVC	0.010	693173	0.00	173293	0.01
52	52	Silverside Rd.	68.29	100	101	16	28	170	2720	4760	238	55.60	54.53	0.45	8	PVC	0.010	680583	0.01	170146	0.03
52	53	Silverside Rd.	64.69	101	18	8	36	170	1360	6120	321	54.33	52.81	0.47	8	PVC	0.010	698468	0.01	174617	0.04
53	53	Silverside Rd.	65.71	18	17	15	51	170	2550	8670	397	52.52	50.29	0.56	8	PVC	0.010	760737	0.01	190184	0.05
53	53	Silverside Rd.	61.95	17	16	3	54	170	510	9180	75	50.28	50.00	0.37	8	PVC	0.010	620192	0.01	155048	0.06
53	53	Silverside Rd.	61.30	16	15	5	59	170	850	10030	165	49.75	49.03	0.44	8	PVC	0.010	670505	0.01	167626	0.06
53	53	Silverside Rd.	59.76	15	14	6	108	170	1020	18360	212	44.15	43.24	0.43	8	PVC	0.010	665013	0.03	166253	0.11
53	53	Silverside Rd.	57.43	14	13	3	111	170	510	18870	176	43.15	42.24	0.52	8	PVC	0.010	729864	0.03	182466	0.10
53	53	Offroad	53.35	13	12	0	111	170	0	18870	123	42.19	41.64	0.45	8	PVC	0.010	678744	0.03	169686	0.11
53	53	Offroad	55.76	12	11	0	111	170	0	18870	126.3	41.56	40.98	0.46	8	PVC	0.010	687844	0.03	171961	0.11
53	53	Four Seasons Dr.	46.14	11	10	0	1520	170	0	257864	95	40.98	40.60	0.40	12	PVC	0.010	1892710	0.14	473178	0.54
53	53	Offroad	?	10	9	0	1520	170	0	257864	295	40.60	39.58	0.35	12	PVC	0.010	1759718	0.15	439930	0.59
53	53	Offroad	45.84	9	7	0	1520	170	0	257864	147	39.58	39.25	0.22	12	PVC	0.010	1417922	0.18	354481	0.73
53	53	Deanne Dr.	46.38	8	7	6	6	170	1020	1020	170	41.48	39.26	1.31	8	PVC	0.010	1159924	0.00	289981	0.00
53	53	Deanne Dr.	42.48	7	5	0	1526	170	0	258884	77	39.21	39.01	0.26	12	PVC	0.010	1525189	0.17	381297	0.68

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53	Deanne Dr.	53.22	1	2	6	6	170	1020	1020	105	47.29	44.73	2.44	8	PVC	0.010	1584903	0.00	396226	0.00
53	53	Deanne Dr.	50.58	2	3	0	6	170	0	1020	101	44.73	40.86	3.83	8	PVC	0.010	1986883	0.00	496721	0.00
53	53	Lionshead Woods Blvd.	47.53	3	4	0	6	170	0	1020	129	40.75	40.06	0.53	8	PVC	0.010	742347	0.00	185587	0.01
48	48	Buttonwood Ct.	68.70	16	17	14	14	170	2380	2380	269	60.55	58.90	0.61	8	PVC	0.010	794956	0.00	198739	0.01
48	48	Buttonwood Ct.	67.69	17	18	0	14	170	0	2380	192	58.87	54.74	2.15	8	PVC	0.010	1488682	0.00	372170	0.01
48	48	Nicole Ct.	59.47	18	19	4	18	170	680	3060	79	54.74	51.84	3.67	8	PVC	0.010	1944746	0.00	486186	0.01
48	48	Nicole Ct.	59.71	19	20	12	30	170	2040	5100	371	51.84	43.96	2.12	8	PVC	0.010	1479291	0.00	369823	0.01
48	53	Nicole Ct.	52.35	20	4	0	30	170	0	5100	201	43.96	40.06	1.94	8	PVC	0.010	1413877	0.00	353469	0.01
53	53	Lionshead Woods Blvd.	47.38	4	5	0	36	170	0	6120	225	40.06	39.11	0.42	8	PVC	0.010	659550	0.01	164888	0.04
53	53	Lionshead Woods Blvd.	42.28	5	6	0	1562	170	0	265004	63	39.01	38.86	0.24	12	PVC	0.010	1460258	0.18	365064	0.73
53	48	Lionshead Woods Blvd.	45.22	6	36	8	1570	170	1360	266364	125	38.86	38.54	0.26	12	PVC	0.010	1514168	0.18	378542	0.70
48	48	Raymond Ct.	48.39	36	35	3	1573	170	510	266874	247	38.54	37.95	0.24	12	PVC	0.010	1462620	0.18	365655	0.73
48	48	Taylor Ct.	43.16	35	34	0	1573	170	0	266874	154	37.95	37.52	0.28	12	PVC	0.010	1581350	0.17	395337	0.68
48	48	Taylor Ct.	51.37	34	33	0	1573	170	0	266874	55	37.52	37.32	0.36	12	PVC	0.010	1804628	0.15	451157	0.59
48	48	Taylor Ct.	42.39	39	37	6	6	170	1020	1020	101	38.54	37.80	0.73	8	PVC	0.010	868826	0.00	217206	0.00
48	48	Taylor Ct.	43.51	38	37	0	0	170	0	0	149	38.35	37.80	0.37	8	PVC	0.010	616688	0.00	154172	0.00
48	48	Taylor Ct.	45.74	37	33	0	6	170	0	1020	47	37.80	37.53	0.57	8	PVC	0.010	769326	0.00	192331	0.01
48	48	Taylor Ct.	52.28	33	32	0	1579	170	0	267894	336	37.32	35.88	0.43	12	PVC	0.010	1959141	0.14	489785	0.55
48	48	Topaz Ct.	60.10	32	31	1	1580	170	170	268064	270	35.88	35.09	0.29	12	PVC	0.010	1618772	0.17	404693	0.66
48	48	Crown Circle	58.02	31	30	2	1582	170	340	268404	175	35.09	34.54	0.31	12	PVC	0.010	1677708	0.16	419427	0.64
48	48	Crown Circle	56.41	30	29	2	1584	170	340	268744	157	34.54	34.09	0.29	12	PVC	0.010	1602177	0.17	400544	0.67
48	48	Crown Circle	51.33	29	4	4	1588	170	680	269424	222	34.09	33.45	0.29	12	PVC	0.010	1606821	0.17	401705	0.67
48	48	Crown Circle	60.44	28	27	3	3	170	510	510	87	53.21	52.66	0.63	8	PVC	0.010	807048	0.00	201762	0.00
48	48	Crown Circle	60.68	27	26	6	9	170	1020	1530	307	52.62	50.69	0.63	8	PVC	0.010	804798	0.00	201200	0.01
48	48	Topaz Lane	58.55	26	24	5	14	170	850	2380	201	50.61	49.21	0.70	8	PVC	0.010	847117	0.00	211779	0.01
48	48	Ruby Ct.	58.24	25	24	4	4	170	680	680	170	50.28	49.38	0.53	8	PVC	0.010	738540	0.00	184635	0.00
48	48	Topaz Lane	57.42	24	23	2	20	170	340	3400	160	49.16	48.23	0.58	8	PVC	0.010	773854	0.00	193463	0.02
48	48	Topaz Lane	55.35	23	22	1	21	170	170	3570	65	48.13	47.64	0.75	8	PVC	0.010	881290	0.00	220322	0.02
48	48	Topaz Lane	55.56	22	21	1	22	170	170	3740	47	47.61	47.35	0.55	8	PVC	0.010	754945	0.00	188736	0.02
48	48	Topaz Lane	55.80	21	13	3	25	170	510	4250	260	47.30	45.76	0.59	8	PVC	0.010	781180	0.01	195295	0.02
48	48	Crown Circle	56.77	15	14	8	8	170	1360	1360	325	48.92	47.30	0.50	8	PVC	0.010	716627	0.00	179157	0.01
48	48	Crown Circle	55.43	14	13	7	15	170	1190	2550	300	47.08	45.58	0.50	8	PVC	0.010	717732	0.00	179433	0.01
48	48	Crown Circle	57.72	13	10	0	40	170	0	6800	96	45.58	45.22	0.37	8	PVC	0.010	621574	0.01	155394	0.04
48	48	Crown Circle	59.38	10	9	2	42	170	340	7140	317	45.19	43.83	0.43	8	PVC	0.010	664840	0.01	166210	0.04
48	48	Crown Circle	54.66	9	8	5	47	170	850	7990	234	43.80	42.69	0.47	8	PVC	0.010	699087	0.01	174772	0.05
48	48	Crown Circle	49.63	8	7	1	48	170	170	8160	150	42.66	41.99	0.45	8	PVC	0.010	678374	0.01	169594	0.05
48	48	Crown Circle	51.99	7	6	3	51	170	510	8670	225	41.93	40.86	0.48	8	PVC	0.010	699968	0.01	174992	0.05
48	48	Crown Circle	52.68	6	5	1	52	170	170	8840	140	40.77	40.14	0.45	8	PVC	0.010	680901	0.01	170225	0.05
48	48	Crown Circle	52.29	5	4	1	53	170	170	9010	109	40.12	39.71	0.38	8	PVC	0.010	622524	0.01	155631	0.06
48	48	Crown Circle	53.47	4	3	1	1642	170	170	278604	171	33.45	32.77	0.40	12	PVC	0.010	1887168	0.15	471792	0.59
48	48	Offroad	55.12	3	2	1	1643	170	170	278774	150	32.77	31.65	0.75	12	PVC	0.010	2585934	0.11	646484	0.43
48	48	Shorrock St.	54.53	2	1	0	1643	170	0	278774	325	31.65	30.46	0.37	12	PVC	0.010	1810864	0.15	452716	0.62
48	42	Shorrock St.	50.12	1	10	0	1643	170	0	278774	365	30.46	29.04	0.39	12	PVC	0.010	1866603	0.15	466651	0.60
42	42	Shorrock St.	44.30	10	9	0	1643	170	0	278774	355	29.04	27.55	0.42	12	PVC	0.010	1938800	0.14	484700	0.58
42	42	Shorrock St.	46.87	9	8	0	1643	170	0	278774	345	27.55	25.75	0.52	12	PVC	0.010	2161627	0.13	540407	0.52
42	42	Shorrock St.	43.05	8	7	0	1643	170	0	278774	345	25.75	24.29	0.42	12	PVC	0.010	1946798	0.14	486700	0.57
42	42	Shorrock St.	39.18	7	6	0	1643	170	0	278774	352	24.29	21.76	0.72	12	PVC	0.010	2537132	0.11	634283	0.44
42	42	Shorrock St.	35.11	6	4	0	1643	170	0	278774	265	21.76	19.04	1.03	12	PVC	0.010	3031905	0.09	757976	0.37
42	42	Shorrock St.	27.94	4	5	0	2517	170	0	432014	210	19.04	16.93	1.00	18	DIP	0.013	6803291	0.06	1700823	0.25
42	36	Shorrock St.	27.06	5	22	0	2517	170	0	432014	114	16.93	16.45	0.42	18	DIP	0.013	4404085	0.10	1101021	0.39
36	36	Shorrock St.	26.35	22	21	0	2517	170	0	432014	66	16.04	15.81	0.35	24	DIP	0.013	8628780	0.05	2157195	0.20
36	36	Shorrock St.	25.15	21	20	0	2517	170	0	432014	191	15.81	15.50	0.16	24	DIP	0.013	5888729	0.07	1472182	0.29
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SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	TOTAL Units	INFLOW	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	ROUTE 70	38.69	26	27	2	2	2000	4000	4000	154	32.28	31.36	0.60	8	PVC	0.010	784533	0.01	196133	0.02
36	36	ROUTE 70	39.02	27	26	1	3	4000	4000	8000	40	31.28	31.08	0.50	8	PVC	0.010	717732	0.01	179433	0.04
36	36	ROUTE 70	39.35	35	36	1	1	2000	2000	2000	140	33.55	32.53	0.73	8	PVC	0.010	866390	0.00	216598	0.01
36	35	ROUTE 70	38.61	36	28	0	1	2000	0	2000	272	32.43	31.08	0.50	8	PVC	0.010	715089	0.00	178772	0.01
35	36	ROUTE 70	38.90	28	29	0	4	2000	0	10000	54	31.00	30.67	0.61	8	PVC	0.010	793483	0.01	198371	0.05
36	36	ROUTE 70	39.27	29	30	0	4	2000	0	10000	61	30.67	30.42	0.41	8	PVC	0.010	649804	0.02	162451	0.06
36	36	ROUTE 70	41.95	30	31	0	4	2000	0	10000	143	30.40	29.37	0.72	8	PVC	0.010	861446	0.01	215361	0.05
36	36	ROUTE 70	42.28	31	32	0	4	2000	0	10000	61	29.32	29.05	0.44	8	PVC	0.010	675296	0.01	168824	0.06
36	36	PARKING LOT	41.05	32	33	0	4	2000	0	10000	199	28.97	27.04	0.97	8	PVC	0.010	999608	0.01	249902	0.04
36	36		39.24	33	34	0	4	2000	0	10000	59	26.89	26.20	1.17	8	PVC	0.010	1097681	0.01	274420	0.04
36	35		37.88	34	8	0	4	2000	0	10000	40	26.13	25.81	0.80	8	PVC	0.010	907867	0.01	226967	0.04
35	35		38.01	8	12	0	4	2000	0	10000	74	25.76	25.42	0.46	8	PVC	0.010	688020	0.01	172005	0.06
35	35		37.74	12	17	0	4	2000	0	10000	261	25.36	24.01	0.52	8	PVC	0.010	730002	0.01	182501	0.05
35	35		37.27	17	18	0	4	2000	0	10000	377	23.91	22.22	0.45	8	PVC	0.010	679595	0.01	169899	0.06
35	35		36.32	18	19	0	4	2000	0	10000	396	22.17	20.30	0.47	8	PVC	0.010	697510	0.01	174378	0.06
35	35		34.90	19	-	0	4	2000	0	10000	168	20.20	19.60	0.36	8	PVC	0.010	606594	0.02	151649	0.07
35	35		35.00	-	-	0	4	2000	0	10000	153	19.50	18.88	0.41	8	PVC	0.010	646141	0.02	161535	0.06
35	41		32.78	-	17	0	4	2000	0	10000	34	18.78	17.83	2.79	8	PVC	0.010	1696679	0.01	424170	0.02
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Appendix B
Sewer Chart- Future Calculations for Anticipated Buildout Conditions

LTMUA SEWER CHART FUTURE- ANTICIPATED BUILDOUT What is in line

SHEET	SHEET (End)	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	UNIT FLOW	Buildout Flow	Total	CUM. FLOW	SANITARY SEWER PROFILE				PIPE INFORMATION			GPD		GPD	
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Ventura Drive	28.20	1	2	5		5	300		1500	1500	300	24.40	23.20	0.40	8	ACP	0.013	493815	0.00	123454	0.01
3	3	Ventura Drive	26.83	2	3	5		10	300		1500	3000	270	22.76	21.66	0.41	8	ACP	0.013	498366	0.01	124592	0.02
3	3	Ventura Drive	27.13	3	4	6		16	300		1800	4800	300	21.66	20.46	0.40	8	ACP	0.013	493815	0.01	123454	0.04
3	3	Ventura Drive	25.63	4	5	5		21	300		1500	6300	300	20.46	19.26	0.40	8	ACP	0.013	493815	0.01	123454	0.05
3	3	Ventura Drive	25.49	5	6	4		25	300		1200	7500	212	19.26	18.41	0.40	8	ACP	0.013	494397	0.02	123599	0.06
3	3	Coronado Street	28.39	9	8	5		5	300		1500	1500	200	22.41	21.21	0.60	8	ACP	0.013	604797	0.00	151199	0.01
3	3	Coronado Street	27.55	8	7	5		10	300		1500	3000	300	21.21	19.41	0.60	8	ACP	0.013	604797	0.00	151199	0.02
3	3	Coronado Street	25.71	7	6	3		13	300		900	3900	250	19.41	18.41	0.40	8	ACP	0.013	493815	0.01	123454	0.03
3	3	Ventura Drive	24.18	6	13	5		43	300		1500	12900	350	18.41	17.01	0.40	8	ACP	0.013	493815	0.03	123454	0.10
2	2	Ridge Avenue	30.90	20	21	3		3	300		900	900	260	26.83	25.53	0.50	8	ACP	0.013	552102	0.00	138025	0.01
2	2	Ridge Avenue	29.70	21	22	4		7	300		1200	2100	360	25.53	24.09	0.40	8	ACP	0.013	493815	0.00	123454	0.02
2	2	Delmar Road	27.91	22	23	5		12	300		1500	3600	300	24.09	22.89	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	3	Delmar Road	28.93	23	10	8		20	300		2400	6000	400	22.89	20.45	0.61	8	ACP	0.013	609816	0.01	152454	0.04
3	3	Delmar Road	26.89	10	11	6		26	300		1800	7800	400	20.45	19.25	0.30	8	ACP	0.013	427656	0.02	106914	0.07
2	2	Todd Court	44.86	18	17	4		4	300		1200	1200	80	41.17	40.85	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	2	Todd Court	45.36	17	16	6		10	300		1800	3000	303	40.85	39.64	0.40	8	ACP	0.013	493407	0.01	123352	0.02
2	2	Todd Court	46.91	16	14	2		12	300		600	3600	250	39.64	38.64	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	2	County Line Road East	50.00	14	15	2		53	300		600	24600	151	38.56	38.12	0.29	8	ACP	0.013	421475	0.06	105369	0.23
2	5	County Line Road East	49.48	15	23	0		53	300		0	24600	145	38.12	37.54	0.40	8	ACP	0.013	493815	0.05	123454	0.20
2	2	Scott Court	43.68	19	25	5		5	300		1500	1500	200	39.68	38.88	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	5	Scott Court	44.68	25	23	5		10	300		1500	3000	385	38.88	37.54	0.35	8	ACP	0.013	460634	0.01	115159	0.03
5	5	Lanes Mill Road	?	16	17	5		5	300		1500	1500	400	42.64	41.84	0.20	8	ACP	0.013	349180	0.00	87295	0.02
5	5	Lanes Mill Road	47.70	17	18	2		7	300		600	2100	154	41.84	41.53	0.20	8	ACP	0.013	350312	0.01	87578	0.02
5	5	Lanes Mill Road	48.60	19	18	4		4	300		1200	1200	228	41.99	41.53	0.20	8	ACP	0.013	350708	0.00	87677	0.01
5	5	Alvarado Avenue	47.92	18	*/	2		13	300		600	3900	125	41.53	41.28	0.20	8	ACP	0.013	349180	0.01	87295	0.04
5	5	Alvarado Avenue	47.90	20	21	5		18	300		1500	5400	360	41.28	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.04
5	5	Pasadena Street	47.60	25	24	6		6	300		1800	1800	260	42.18	41.14	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Pasadena Street	46.60	24	21	3		9	300		900	2700	325	41.14	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	5	Alvarado Avenue	46.05	21	22	4		31	300		1200	9300	250	39.84	38.84	0.40	8	ACP	0.013	493815	0.02	123454	0.08
5	5	Alvarado Avenue	46.20	22	23	6		37	300		1800	11100	325	38.84	37.54	0.40	8	ACP	0.013	493815	0.02	123454	0.09
5	6	County Line Road East	49.06	23	1	0		100	300		0	38700	340	37.54	36.18	0.40	8	ACP	0.013	493815	0.08	123454	0.31
5	6	Cindy Court	47.85	29	5	10		10	300		3000	3000	396.9	40.91	39.32	0.40	8	ACP	0.013	494188	0.01	123547	0.02
6	6	Cindy Court	49.83	5	4	2		12	300		600	3600	321.7	39.32	38.03	0.40	8	ACP	0.013	494428	0.01	123607	0.03
6	6	Cindy Court	50.80	4	3	4		16	300		1200	4800	153.3	38.03	37.41	0.40	8	ACP	0.013	496545	0.01	124136	0.04
6	6	Cindy Court	49.30	3	1	3		19	300		900	5700	206.8	37.41	36.18	0.59	8	ACP	0.013	602159	0.01	150540	0.04
6	6	County Line Road	47.40	2	1	2		2	300		600	600	200	42.50	41.70	0.40	8	ACP	0.013	493815	0.00	123454	0.00
6	3	Hermosa Drive	47.80	1	23	3		124	300		900	45900	296	36.18	35.00	0.40	8	ACP	0.013	492980	0.09	123245	0.37
3	3	Carmel Court	39.83	24	23	6		6	300		1800	1800	357	36.43	35.00	0.40	8	ACP	0.013	494160	0.00	123540	0.01
3	3	Hermosa Drive	42.74	23	22	4		134	300		1200	48900	254	35.00	33.98	0.40	8	ACP	0.013	494786	0.10	123696	0.40
3	3		39.92	22	19	2		136	300		600	49500	319	33.98	24.87	2.86	8	ACP	0.013	1319465	0.04	329866	0.15

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Mendocino Court	35.83	21	20	5		5	300		1500	1500	100	29.34	28.37	0.97	8	ACP	0.013	768989	0.00	192247	0.01
3	3	Mendocino Court	34.83	20	19	6		11	300		1800	3300	350	28.37	24.87	1.00	8	ACP	0.013	780790	0.00	195197	0.02
3	3	Hermosa Drive	31.33	19	18	1		148	300		300	53100	281	24.87	23.46	0.50	8	ACP	0.013	553083	0.10	138271	0.38
3	3	Hermosa Drive	29.71	18	11	1		149	300		300	53400	244	23.46	22.00	0.60	8	ACP	0.013	603970	0.09	150993	0.35
3	3	Del Mar Road	28.48	11	12	7		182	300		2100	63300	363	19.25	18.16	0.30	10	ACP	0.013	775748	0.08	193937	0.33
3	3	Del Mar Road	26.32	12	13	5		187	300		1500	64800	383	18.16	17.01	0.30	10	ACP	0.013	775730	0.08	193932	0.33
3	3	Ventura Drive	24.04	13	14	5		235	300		1500	79200	324	17.01	16.30	0.22	12	ACP	0.013	1077624	0.07	269406	0.29
3	3	offroad	22.04	14	15N	0		235	300		0	79200	130	16.30	16.01	0.22	12	ACP	0.013	1087272	0.07	271818	0.29
3	3		24.00	15N	OCUA	0		235	300		0	79200	30	16.01	15.94	0.22	12	ACP	0.013	1087896	0.07	271974	0.29
3	3	ABANDONED	25.70	16	17	0		0	300		0	0	400	14.85	13.97	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
3	6	ABANDONED	21.90	17	16	0		0	300		0	0	400	13.97	13.09	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
6	6	ABANDONED	25.90	16	17	0		0	300		0	0	325	13.09	12.37	0.22	12	ACP	0.013	1083516	0.00	270879	0.00
6	6	Ann Court	48.40	6	7	5		5	300		1500	1500	215	43.68	42.82	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	County Line Road	47.40	7	8	1		6	300		300	1800	170	42.72	41.00	1.01	8	ACP	0.013	785369	0.00	196342	0.01
6	6	County Line Road	46.50	8	9	5		11	300		1500	3300	339	41.00	39.64	0.40	8	ACP	0.013	494543	0.01	123636	0.03
6	6	Cambria Court	39.83	11	10	5		5	300		1500	1500	172	36.97	36.28	0.40	8	ACP	0.013	494532	0.00	123633	0.01
6	6	Cambria Court	42.57	10	9	2		7	300		600	2100	240	36.28	35.32	0.40	8	ACP	0.013	493815	0.00	123454	0.02
6	6	County Line Road	45.40	9	13	4		22	300		1200	6600	314	35.32	34.06	0.40	8	ACP	0.013	494600	0.01	123650	0.05
6	6	Pismo Court	42.79	12	13	4		4	300		1200	1200	195	39.00	35.80	1.64	8	ACP	0.013	1000211	0.00	250053	0.00
6	6	Pismo Court	44.46	13	14	4		30	300		1200	9000	300	34.06	32.00	0.69	8	ACP	0.013	647004	0.01	161751	0.06
6	6	Pismo Court	37.30	14	15	5		35	300		1500	10500	265	32.00	22.22	3.69	8	ACP	0.013	1499963	0.01	374991	0.03
9	9	Barrymore Drive	44.00	23	24	6		6	300		1800	1800	300	36.55	32.35	1.40	8	ACP	0.013	923843	0.00	230961	0.01
9	6	Barrymore Drive	39.50	24	49	4		10	300		1200	3000	270	32.35	29.65	1.00	8	ACP	0.013	780790	0.00	195197	0.02
6	6	Hidden Lane	36.20	49	48	4		14	300		1200	4200	290	29.65	22.40	2.50	8	ACP	0.013	1234537	0.00	308634	0.01
9	9	Hidden Lane	40.84	25	26	5		5	300		1500	1500	300	33.90	25.50	2.80	8	ACP	0.013	1306511	0.00	326628	0.00
9	9	Hidden Lane	31.65	26	27	5		10	300		1500	3000	250	25.50	24.50	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Hidden Lane	30.37	27	28	6		16	300		1800	4800	250	24.50	23.50	0.40	8	ACP	0.013	493815	0.01	123454	0.04
9	6	Hidden Lane	29.12	28	48	5		21	300		1500	6300	275	23.50	22.40	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	offroad	29.20	48	47	1		36	300		300	10800	230	22.40	21.45	0.41	8	ACP	0.013	501802	0.02	125450	0.09
6	6	offroad	25.00	47	40	0		36	300		0	10800	190	21.45	20.40	0.55	8	ACP	0.013	580433	0.02	145108	0.07
6	6	Redondo Lane	40.33	37	38	8		8	300		2400	2400	400	33.40	30.60	0.70	8	ACP	0.013	653256	0.00	163314	0.01
6	6	Redondo Lane	37.93	38	39	5		13	300		1500	3900	300	30.60	28.50	0.70	8	ACP	0.013	653256	0.01	163314	0.02
6	6	Redondo Lane	34.58	39	40	5		18	300		1500	5400	220	28.50	20.40	3.68	8	ACP	0.013	1498184	0.00	374546	0.01
6	6	Redondo Lane	27.20	40	41	5		59	300		1500	17700	300	20.40	18.30	0.70	8	ACP	0.013	653256	0.03	163314	0.11
6	6	Malibu Drive	38.75	45	44	2		2	300		600	600	160	32.00	31.20	0.50	8	ACP	0.013	552102	0.00	138025	0.00
6	6	Malibu Drive	41.06	46	44	4		4	300		1200	1200	230	33.35	31.20	0.93	8	ACP	0.013	754900	0.00	188725	0.01
6	6	Rockaway Road	39.70	44	43	6		12	300		1800	3600	400	31.20	26.64	1.14	8	ACP	0.013	833655	0.00	208414	0.02
6	6	Rockaway Road	34.50	43	42	6		18	300		1800	5400	330	26.64	22.88	1.14	8	ACP	0.013	833434	0.01	208358	0.03
6	6	Rockaway Road	30.21	42	41	4		22	300		1200	6600	398	22.88	18.30	1.15	8	ACP	0.013	837578	0.01	209395	0.03
6	6	Redondo Lane	25.00	41	19	5		86	300		1500	25800	344	18.30	16.92	0.40	8	ACP	0.013	494532	0.05	123633	0.21
6	6	Newport Drive	?	29	28	7		7	300		2100	2100	370	41.13	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.02
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SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
6	6	Carol Court	?	26	27	3		3	300		900	900	160	40.97	40.33	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Carol Court	?	27	28	2		5	300		600	1500	170	40.33	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Newport Drive	?	28	24	4		16	300		1200	4800	325	39.65	38.36	0.40	8	ACP	0.013	491912	0.01	122978	0.04
6	6	Sean Court	?	25	24	5		5	300		1500	1500	220	39.25	38.36	0.40	8	ACP	0.013	496613	0.00	124153	0.01
6	6	Newport Drive	?	24	23	1		22	300		300	6600	130	38.36	37.84	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	Newport Drive	?	23	22	2		24	300		600	7200	110	37.84	37.40	0.40	8	ACP	0.013	493815	0.01	123454	0.06
6	6	Newport Drive	43.48	22	21	6		30	300		1800	9000	400	37.40	35.80	0.40	8	ACP	0.013	493815	0.02	123454	0.07
6	6	Newport Drive	43.84	21	20	8		38	300		2400	11400	400	35.80	34.20	0.40	8	ACP	0.013	493815	0.02	123454	0.09
6	6	Newport Drive	38.74	20	19	6		44	300		1800	13200	400	34.20	18.85	3.84	8	ACP	0.013	1529531	0.01	382383	0.03
6	6	Redondo Lane	25.00	19	18	2		132	300		600	39600	142	16.92	16.35	0.40	8	ACP	0.013	494683	0.08	123671	0.32
6	6	Redondo Lane	25.80	18	15	3		135	300		900	40500	296	16.35	15.17	0.40	8	ACP	0.013	492980	0.08	123245	0.33
6	6	County Line Rd.	27.45	15	OCUA	0		170	300		0	51000	235	15.17	14.23	0.40	12	ACP	0.013	1455931	0.04	363983	0.14
6	6	Lanes Mill Road	?	32	33	3		3	300		900	900	367	38.00	36.52	0.40	8	ACP	0.013	495829	0.00	123957	0.01
6	6	Lanes Mill Road	?	33	34	3		6	300		900	1800	350	36.52	35.12	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	41.87	36	35	5		5	300		1500	1500	250	37.00	36.00	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	44.95	35	34	3		8	300		900	2400	180	36.00	35.12	0.49	8	ACP	0.013	545933	0.00	136483	0.02
6	9	offroad	44.45	34	5	2		16	300		600	4800	195	35.12	34.53	0.30	10	ACP	0.013	778699	0.01	194675	0.02
9	9	offroad	42.50	5	4	1		17	300		300	5100	220	34.53	33.81	0.33	10	ACP	0.013	809871	0.01	202468	0.03
9	9	Laguna Lane	39.00	4	3	9		26	300		2700	7800	400	33.81	32.61	0.30	10	ACP	0.013	775392	0.01	193848	0.04
9	9		40.80	3	2	2		28	300		600	8400	163	32.61	32.12	0.30	10	ACP	0.013	776185	0.01	194046	0.04
6	6	Long Beach Avenue	46.15	31	30	8		8	300		2400	2400	398	40.19	36.61	0.90	8	ACP	0.013	740515	0.00	185129	0.01
6	9	Long Beach Avenue	43.27	30	2	3		11	300		900	3300	278	36.61	34.11	0.90	8	ACP	0.013	740426	0.00	185107	0.02
9	9	Long Beach Avenue	41.80	2	1	2		41	300		600	12300	188	32.12	31.55	0.30	10	ACP	0.013	779506	0.02	194876	0.06
9	8	Long Beach Avenue	43.04	1	43	5		46	300		1500	13800	340	31.55	30.53	0.30	10	ACP	0.013	775392	0.02	193848	0.07
8	8	Long Beach Avenue	42.76	43	42	5		51	300		1500	15300	400	30.53	29.33	0.30	10	ACP	0.013	775392	0.02	193848	0.08
8	8	Long Beach Avenue	40.76	42	40	3		54	300		900	16200	250	29.33	28.58	0.30	10	ACP	0.013	775392	0.02	193848	0.08
5	5	Cedarwood Drive	47.68	15	14	3		3	300		900	900	215	40.30	39.03	0.59	8	ACP	0.013	600090	0.00	150023	0.01
5	5	Cedarwood Drive	46.29	14	11	6		9	300		1800	2700	400	39.03	37.44	0.40	8	ACP	0.013	492269	0.01	123067	0.02
5	5	Kerry Court	?	13	12	6		6	300		1800	1800	250	38.62	37.63	0.40	8	ACP	0.013	491339	0.00	122835	0.01
5	5	Kerry Court	?	12	11	2		8	300		600	2400	150	37.63	37.03	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	5	Cedarwood Drive	43.40	11	10	1		18	300		300	5400	130	37.03	36.36	0.52	8	ACP	0.013	560531	0.01	140133	0.04
5	5	Cedarwood Drive	43.77	10	7	2		20	300		600	6000	256	36.36	35.34	0.40	8	ACP	0.013	492849	0.01	123212	0.05
5	5	Joe Parker Road	?	6	7	6		6	300		1800	1800	400	36.70	35.10	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Joe Parker Road	43.10	7	8	3		29	300		900	8700	245	34.77	33.80	0.40	8	ACP	0.013	491289	0.02	122822	0.07
5	5	Joe Parker Road	?	8	9	3		32	300		900	9600	290	33.80	32.65	0.40	8	ACP	0.013	491682	0.02	122920	0.08
5	8	Joe Parker Road	?	9	41	6		38	300		1800	11400	350	32.65	31.24	0.40	8	ACP	0.013	495575	0.02	123894	0.09
8	8	Joe Parker Road	?	41	40	4		42	300		1200	12600	365	30.05	28.58	0.40	8	ACP	0.013	495503	0.03	123876	0.10
8	8	Joe Parker Road	39.70	40	39	1		97	300		300	29100	200	28.58	27.41	0.58	10	ACP	0.013	1082776	0.03	270694	0.11
8	8	offroad	37.97	39	31	8		105	300		2400	31500	260	27.41	24.21	1.23	10	ACP	0.013	1570540	0.02	392635	0.08
5	5	Paris Court	42.90	1	2	5		5	300		1500	1500	295	35.72	34.54	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Paris Court	42.60	2	3	5		10	300		1500	3000	310	34.54	33.30	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	8	offroad	?	3	1	2		12	300		600	3600	250	33.30	32.31	0.40	8	ACP	0.013	491339	0.01	122835	0.03
8	8	Medina Road	?	1	2	4		16	300		1200	4800	115	32.14	31.68	0.40	10	ACP	0.013	895346	0.01	223836	0.02
8	8	Medina Road	?	2	4	3		19	300		900	5700	210	31.68	30.84	0.40	10	ACP	0.013	895346	0.01	223836	0.03
8	8	Medina Court	?	3	4	6		6	300		1800	1800	270	32.10	31.01	0.40	8	ACP	0.013	496096	0.00	124024	0.01
8	8	Medina Road	?	4	5	6		31	300		1800	9300	240	30.84	29.88	0.40	10	ACP	0.013	895346	0.01	223836	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Medina Road	?	9	8	10		10	300		3000	3000	395	35.37	33.80	0.40	8	ACP	0.013	492250	0.01	123062	0.02
8	8	Medina Road	?	8	7	10		20	300		3000	6000	400	33.80	32.19	0.40	8	ACP	0.013	495356	0.01	123839	0.05
8	8	Medina Road	?	7	6	5		25	300		1500	7500	235	32.19	31.24	0.40	8	ACP	0.013	496434	0.02	124109	0.06
8	8	Medina Road	?	6	5	8		33	300		2400	9900	300	31.24	30.05	0.40	8	ACP	0.013	491753	0.02	122938	0.08
8	8	offroad	?	5	23	0		33	300		0	9900	166	29.88	29.21	0.40	10	ACP	0.013	900723	0.01	225181	0.04
8	8	offroad	?	23	24	0		33	300		0	9900	27	29.21	29.10	0.40	10	CIP	0.013	895346	0.01	223836	0.04
8	8	offroad	38.50	24	25	0		33	300		0	9900	390	29.10	28.21	0.23	10	CIP	0.013	676275	0.01	169069	0.06
8	8	offroad	?	25	26	0		33	300		0	9900	102	26.41	26.09	0.31	10	CIP	0.013	792932	0.01	198233	0.05
8	8	offroad	30.72	26	27	0		33	300		0	9900	45	26.09	25.93	0.36	10	ACP	0.013	844140	0.01	211035	0.05
8	8	offroad	31.90	27	28	10		43	300		3000	12900	109	25.93	25.65	0.26	10	ACP	0.013	717508	0.02	179377	0.07
8	8	offroad	32.94	28	29	8		51	300		2400	15300	112	25.66	25.28	0.34	10	ACP	0.013	824600	0.02	206150	0.07
8	8	offroad	34.29	29	30	0		51	300		0	15300	249	25.28	24.52	0.31	10	ACP	0.013	782110	0.02	195528	0.08
8	8	offroad	33.83	30	31	10		61	300		3000	18300	190	24.55	24.20	0.18	10	ACP	0.013	607600	0.03	151900	0.12
8	8	offroad	31.84	31	32	8		174	300		2400	52200	150	24.24	24.12	0.08	12	ACP	0.013	651112	0.08	162778	0.32
8	8	offroad	36.50	34	33	8		8	300		2400	2400	145	33.00	29.90	2.14	6	ACP	0.013	530104	0.00	132526	0.02
8	8	offroad	38.40	33	32	8		16	300		2400	4800	160	29.90	26.10	2.38	8	ACP	0.013	1203278	0.00	300819	0.02
8	8	offroad	35.50	32	35	8		198	300		2400	59400	330	24.12	23.65	0.14	12	ACP	0.013	868766	0.07	217191	0.27
8	8	offroad	35.50	35	36	8		206	300		2400	61800	73	23.65	23.44	0.29	12	ACP	0.013	1234693	0.05	308673	0.20
8	8	offroad	36.70	36	37	0		206	300		0	61800	530	23.44	22.64	0.15	12	ACP	0.013	894371	0.07	223593	0.28
8	8	offroad	?	37	38	0		206	300		0	61800	410	22.64	22.00	0.16	12	ACP	0.013	909513	0.07	227378	0.27
8	12	offroad	?	38	17	0		206	300		0	61800	340	22.00	21.43	0.17	12	ACP	0.013	942559	0.07	235640	0.26
12	12	offroad	?	17	18	0		206	300		0	61800	275	21.34	20.95	0.14	12	ACP	0.013	866915	0.07	216729	0.29
12	12	offroad	?	18	22	0		206	300		0	61800	315	20.95	20.39	0.18	12	ACP	0.013	970621	0.06	242655	0.25
12	12	offroad	33.30	22	21	12		218	300		3600	65400	400	20.39	19.66	0.18	12	ACP	0.013	983427	0.07	245857	0.27
12	12	Baltusrol Court	31.62	28	25	36		36	300		10800	10800	320	23.16	22.25	0.28	8	ACP	0.013	416370	0.03	104093	0.10
12	12	Baltusrol Court	32.84	26	25	12		12	300		3600	3600	123	25.46	22.25	2.61	8	ACP	0.013	1261345	0.00	315336	0.01
12	12	Baltusrol Court	30.59	25	21	0		48	300		0	14400	126	22.25	21.80	0.36	8	ACP	0.013	466611	0.03	116653	0.12
12	12	Baltusrol Court	34.10	19	21	24		24	300		7200	7200	290	24.45	21.80	0.91	8	ACP	0.013	746377	0.01	186594	0.04
12	12	Baltusrol Court	28.60	21	24	0		290	300		0	87000	68	19.66	19.53	0.19	12	ACP	0.013	1006533	0.09	251633	0.35
12	12	Baltusrol Court	31.10	20	24	12		12	300		3600	3600	191	23.05	20.20	1.49	8	ACP	0.013	953762	0.00	238440	0.02
12	12	Baltusrol Court	28.10	24	27	24		326	300		7200	97800	385	19.53	18.67	0.22	12	ACP	0.013	1088002	0.09	272000	0.36
7	7	Ocean County Park	51.40	1	2	1		1	300		2000	2000	135	44.80	44.10	0.52	8	PVC	0.010	730903	0.00	182726	0.01
7	7	New Hampshire	50.50	2	3	0		1	300		0	2000	165	43.90	43.04	0.52	8	PVC	0.010	732799	0.00	183200	0.01
7	7	New Hampshire	50.00	3	4	0		1	300		0	2000	196	42.74	41.72	0.52	8	PVC	0.010	732233	0.00	183058	0.01
7	7	New Hampshire	49.40	4	5	0		1	300		0	2000	197	41.62	40.59	0.52	8	PVC	0.010	733944	0.00	183486	0.01
7	7	New Hampshire	49.07	5	6	0		1	300		0	2000	199	39.94	38.90	0.52	8	PVC	0.010	733783	0.00	183446	0.01
7	7	New Hampshire	47.13	6	7	0		1	300		0	2000	192	38.70	37.70	0.52	8	PVC	0.010	732532	0.00	183133	0.01
7	7	New Hampshire	45.56	7	8	0		1	300		0	2000	263	37.57	36.20	0.52	8	PVC	0.010	732588	0.00	183147	0.01
7	7	New Hampshire	45.41	8	9	0		1	300		0	2000	175	36.05	35.14	0.52	8	PVC	0.010	731946	0.00	182987	0.01
7	7	New Hampshire	44.00	9	10	0		1	300		0	2000	176	35.04	34.12	0.52	8	PVC	0.010	733863	0.00	183466	0.01
7	7	New Hampshire	44.10	10	11	0		1	300		0	2000	182	33.92	32.97	0.52	8	PVC	0.010	733337	0.00	183334	0.01
7	7	New Hampshire	43.20	11	12	0		1	300		0	2000	182	32.87	31.93	0.52	8	PVC	0.010	729467	0.00	182367	0.01
7	11	New Hampshire	41.75	12	35	0		1	300		0	2000	57	31.83	31.53	0.53	8	PVC	0.010	736378	0.00	184094	0.01
11	12	Woodlake Manor Drive	44.56	35	1	32		33	300		9600	11600	162	31.33	28.97	1.46	8	PVC	0.010	1225112	0.01	306278	0.04
8	8	Woodlake Manor Drive	37.71	22	21	26		26	300		7800	7800	202	32.58	31.47	0.55	8	PVC	0.010	752425	0.01	188106	0.04
8	12	Woodlake Manor Drive	37.19	21	1	22		48	300		6600	14400	251	31.47	28.97	1.00	8	PVC	0.010	1013003	0.01	253251	0.06
12	12	Woodlake Manor Drive	36.02	1	2	10		91	300		3000	29000	134	28.97	27.61	1.01	8	PVC	0.010	1022573	0.03	255643	0.11

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Woodlake Manor Drive	45.30	12	11	22		22	300		6600	6600	171	39.93	38.18	1.02	8	PVC	0.010	1026830	0.01	256707	0.03
8	8	Woodlake Manor Drive	46.59	11	15	10		32	300		3000	9600	166	38.18	36.53	0.99	8	PVC	0.010	1011965	0.01	252991	0.04
8	8		45.24	13	14	25		25	300		7500	7500	247	39.04	37.33	0.69	8	PVC	0.010	844553	0.01	211138	0.04
8	8		44.40	14	15	8		33	300		2400	9900	144	37.33	36.53	0.56	8	PVC	0.010	756556	0.01	189139	0.05
8	8		46.00	15	16	30		95	300		9000	28500	308	36.53	33.72	0.91	8	PVC	0.010	969517	0.03	242379	0.12
8	8		40.83	16	17	22		117	300		6600	35100	301	33.72	32.20	0.50	8	PVC	0.010	721300	0.05	180325	0.19
8	8		41.50	17	18	12		129	300		3600	38700	90	32.20	31.63	0.63	8	PVC	0.010	807781	0.05	201945	0.19
8	8		40.00	19	18	20		20	300		6000	6000	193	32.67	31.63	0.54	8	PVC	0.010	745102	0.01	186275	0.03
8	8		40.03	18	20	26		175	300		7800	52500	278	31.63	28.30	1.20	8	PVC	0.010	1110906	0.05	277726	0.19
8	12		36.42	20	3	32		207	300		9600	62100	184	28.30	27.29	0.55	8	PVC	0.010	752020	0.08	188005	0.33
12	12		33.54	3	2	0		207	300		0	62100	124	27.29	26.74	0.44	8	PVC	0.010	676002	0.09	169000	0.37
12	12		33.83	2	4	0		298	300		0	91100	240	26.74	26.21	0.22	8	PVC	0.010	476991	0.19	119248	0.76
12	12	Country Club Entrance		3A	3B	1		1	2000		2000	2000	400	31.96	28.35	0.90	8	ACP	0.013	741750	0.00	185438	0.01
12	12	Country Club Entrance		3B	4	0		1	300		0	2000	355	28.35	26.21	0.60	8	ACP	0.013	606215	0.00	151554	0.01
12	12	Country Club Entrance	30.50	4	5	24		323	300		7200	100300	156	26.21	24.74	0.94	8	ACP	0.013	757932	0.13	189483	0.53
12	12		29.45	7	5	34		34	300		10200	10200	85	25.00	24.74	0.31	8	ACP	0.013	431828	0.02	107957	0.09
12	12	Fountain Drive	29.70	5	8	20		377	300		6000	116500	280	24.74	23.90	0.30	8	ACP	0.013	427656	0.27	106914	1.09
12	12	offroad	30.65	6	8	22		22	300		6600	6600	205	24.72	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.05
12	12	offroad	30.40	9	8	24		24	300		7200	7200	185	24.64	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.06
12	12	offroad	29.25	8	10	32		455	300		9600	139900	127	23.90	23.52	0.30	8	ACP	0.013	427095	0.33	106774	1.31
12	12	offroad	29.35	10	12	10		465	300		3000	142900	150	23.52	23.07	0.30	8	ACP	0.013	427656	0.33	106914	1.34
12	12	offroad	28.50	12	13	20		485	300		6000	148900	65	23.07	22.87	0.31	8	ACP	0.013	433104	0.34	108276	1.38
11	11	offroad	38.87	28	29	50		50	300		15000	15000	383	31.02	29.18	0.48	8	ACP	0.013	541182	0.03	135296	0.11
11	11	offroad	35.19	30	29	40		40	300		12000	12000	312	30.34	29.18	0.37	8	ACP	0.013	476086	0.03	119022	0.10
11	11	offroad	35.46	29	31	0		90	300		0	27000	155	29.01	28.46	0.35	8	ACP	0.013	465103	0.06	116276	0.23
11	11	offroad	34.74	31	32	0		90	300		0	27000	19	28.30	28.08	1.16	8	DIP	0.013	840173	0.03	210043	0.13
11	11	New Hampshire Boulevard	34.48	32	33	0		90	300		0	27000	151	27.91	27.40	0.34	8	ACP	0.013	453765	0.06	113441	0.24
11	11	New Hampshire Boulevard	33.81	33	34	0		90	300		0	27000	75	27.40	27.18	0.29	8	ACP	0.013	422878	0.06	105719	0.26
11	12	Pinehurst Drive	33.53	34	16	0		90	300		0	27000	261	27.18	26.09	0.42	8	ACP	0.013	504577	0.05	126144	0.21
12	12	Fountain Drive	30.37	16	15	4		94	300		1200	28200	85	26.09	25.43	0.78	8	ACP	0.013	688013	0.04	172003	0.16
12	12	Fountain Drive	30.41	15	14	40		134	300		12000	40200	205	25.43	24.25	0.58	8	ACP	0.013	592377	0.07	148094	0.27
12	12		30.70	11	14	28		28	300		8400	8400	335	25.67	24.25	0.42	8	ACP	0.013	508342	0.02	127085	0.07
12	12		29.50	14	13	14		176	300		4200	52800	230	24.25	22.87	0.60	8	ACP	0.013	604797	0.09	151199	0.35
12	12	offroad	29.00	13	23	0		661	300		0	201700	400	22.87	21.27	0.40	8	ACP	0.013	493815	0.41	123454	1.63
12	12		27.70	23	27	12		673	300		3600	205300	357	21.27	19.50	0.50	8	ACP	0.013	549777	0.37	137444	1.49
12	12	Balustrol Court	27.50	27	31	6		1005	300		1800	304900	235	19.17	18.53	0.27	12	ACP	0.013	1201342	0.25	300336	1.02
12	12	St. Andrews Court	29.30	29	31	16		16	300		4800	4800	261	24.45	20.53	1.50	8	ACP	0.013	956879	0.01	239220	0.02
12	12	Balustrol Court	?	31	32	0		1021	300		0	309700	105	18.53	18.18	0.33	12	ACP	0.013	1329077	0.23	332269	0.93
12	12	Balustrol Court	?	30	32	0		0	300		0	0	37	18.53	18.18	0.95	12	ACP	0.013	2238948	0.00	559737	0.00
12	12	Balustrol Court	29.20	32	34	40		1061	300		12000	321700	292	18.18	17.45	0.25	12	ACP	0.013	1151014	0.28	287754	1.12
15	15	Service	31.38	1	2	30		30	300		9000	9000	195	29.66	25.76	2.00	6	PVC	0.010	666534	0.01	166634	0.05
15	15	Ocean Avenue	31.01	2	3	0		30	300		0	9000	46	25.76	25.25	1.11	8	PVC	0.010	1068768	0.01	267192	0.03
15	15	offroad	30.63	3	4	15		45	300		4500	13500	213	25.25	24.33	0.43	8	PVC	0.010	667086	0.02	166771	0.08
15	12		30.59	4	33	50		95	300		15000	28500	207	24.33	23.31	0.49	8	PVC	0.010	712512	0.04	178128	0.16
12	12		31.57	33	34	18		113	300		5400	33900	116	17.98	17.45	0.46	8	PVC	0.010	686098	0.05	171525	0.20
12	15	Pinehurst Drive	31.00	34	5	58		1232	300		17400	373000	400	17.45	16.57	0.22	12	ACP	0.013	1079747	0.35	269937	1.38

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
12	15	offroad	29.00	35	5	49		49	300		14700	14700	425	22.81	18.56	1.00	8	ACP	0.013	780790	0.02	195197	0.08
15	15	Pinehurst Drive	27.30	5	6	16		1297	300		4800	392500	296	16.57	15.92	0.22	12	ACP	0.013	1078752	0.36	269688	1.46
15	15	offroad	22.00	9	8	4		4	300		1200	1200	400	9.77	9.13	0.16	12	ACP	0.013	920812	0.00	230203	0.01
12	15		25.20	37	8	36		40	300		10800	12000	333	19.20	17.53	0.50	8	ACP	0.013	552930	0.02	138233	0.09
15	15		24.20	8	7	14		58	300		4200	17400	413	9.13	8.47	0.16	12	ACP	0.013	920254	0.02	230063	0.08
12	15		27.00	36	7	18		18	300		5400	5400	280	17.00	15.88	0.40	8	ACP	0.013	493815	0.01	123454	0.04
15	15		24.20	7	6	0		18	300		0	5400	166	8.47	8.20	0.16	12	ACP	0.013	928407	0.01	232102	0.02
15	15	into pumping station	?	6	PS	0		1315	300		0	397900	80	8.20	8.00	0.25	12	CI	0.013	1151014	0.35	287754	1.38
15	14	Force Main		PS	13	0		1315	0		0	397900	2810	8.00	NA	NA	10	ACP	0.013	N/A	N/A	N/A	N/A
			.																				
1	2	offroad	54.87	1	1	29		29	300		8700	8700	364	48.78	41.50	2.00	8	PVC	0.010	1435464	0.01	358866	0.02
2	2	offroad	56.12	1	2	0		29	300		0	8700	275	41.40	40.30	0.40	8	PVC	0.010	641959	0.01	160490	0.05
2	2	offroad	54.00	2	3	0		29	300		0	8700	5	40.20	40.18	0.40	8	PVC	0.010	641959	0.01	160490	0.05
		into pump station																					
2	2	Force Main	54.00	3	4	0		29	300		0	8700	FM	49.00	46.33	N/A	4	PVC	0.010	N/A	N/A	N/A	N/A
2	2	Ridge Avenue	53.48	4	6	5		5	300		1500	10200	250	46.33	45.23	0.44	8	PVC	0.010	673292	0.02	168323	0.06
2	2	County Line Road East	52.43	6	7	4		9	300		1200	11400	251	45.23	44.22	0.40	8	PVC	0.010	643875	0.02	160969	0.07
2	2		53.35	7	10	2		11	300		600	12000	185	44.22	43.48	0.40	8	PVC	0.010	641959	0.02	160490	0.07
5	5	Lanes Mill Road	51.89	4	5	0		0	300		0	0	123	46.47	45.91	0.46	8	PVC	0.010	684887	0.00	171222	0.00
5	2	Offroad	51.34	5	8	2		2	300		600	600	236	45.88	44.91	0.41	8	PVC	0.010	650740	0.00	162685	0.00
2	2	Marcella Court	51.99	8	9	1		3	300		300	900	103	44.88	44.44	0.43	8	PVC	0.010	663415	0.00	165854	0.01
2	2	Marcella Court	52.77	9	10	4		7	300		1200	2100	228	44.43	43.52	0.40	8	PVC	0.010	641255	0.00	160314	0.01
2	2	County Line Road East	?	10	11	1		19	300		300	14400	293	43.44	42.26	0.40	8	PVC	0.010	644146	0.02	161037	0.09
2	2	County Line Road East	52.04	11	12	0		19	300		0	14400	311	42.21	41.01	0.39	8	PVC	0.010	630504	0.02	157626	0.09
5	5	Red Oak Drive	48.50	28	27	5		5	300		1500	1500	150	43.34	42.74	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Red Oak Drive	47.70	27	26	2		7	300		600	2100	180	42.74	42.02	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	2	Red Oak Drive	46.70	26	12	7		14	300		2100	4200	380	42.02	40.89	0.30	8	ACP	0.013	425776	0.01	106444	0.04
2	2	County Line Road East	51.24	12	13	4		37	300		1200	19800	245	40.88	39.52	0.56	8	ACP	0.013	581729	0.03	145432	0.14
2	2	County Line Road East	50.60	13	14	2		39	300		600	20400	200	39.43	38.64	0.40	8	ACP	0.013	490719	0.04	122680	0.17
9	9	Laguna Lane	38.40	6	7	4		4	300		1200	1200	200	31.61	30.81	0.40	8	ACP	0.013	493815	0.00	123454	0.01
9	9	Laguna Lane	37.40	7	8	5		9	300		1500	2700	355	30.81	29.39	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Laguna Lane	35.25	8	9	6		15	300		1800	4500	372	29.39	27.53	0.50	8	ACP	0.013	552102	0.01	138025	0.03
9	9	Laguna Lane	41.10	11	10	7		7	300		2100	2100	400	34.50	32.50	0.50	8	ACP	0.013	552102	0.00	138025	0.02
9	9	Laguna Lane	39.10	10	9	7		14	300		2100	4200	378	32.50	27.53	1.31	8	ACP	0.013	895295	0.00	223824	0.02
9	9	Alamitos Drive	33.65	9	12	1		30	300		300	9000	172	27.53	26.50	0.60	8	ACP	0.013	604211	0.01	151053	0.06
9	9	Alamitos Drive	32.31	12	13	6		36	300		1800	10800	332	26.50	24.18	0.70	8	ACP	0.013	652693	0.02	163173	0.07
9	9	Alamitos Drive	29.83	13	14	6		42	300		1800	12600	400	24.18	20.69	0.87	8	ACP	0.013	729318	0.02	182329	0.07
9	9	Alamitos Drive	39.30	18	17	7		7	300		2100	2100	400	33.70	29.70	1.00	8	ACP	0.013	780790	0.00	195197	0.01
9	9	Alamitos Drive	35.76	17	16	6		13	300		1800	3900	320	29.70	23.30	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
9	9	Alamitos Drive	29.29	16	15	6		19	300		1800	5700	334	23.30	21.63	0.50	8	ACP	0.013	552102	0.01	138025	0.04
9	9	Alamitos Drive	27.45	15	14	2		21	300		600	6300	130	21.63	20.69	0.72	8	ACP	0.013	663936	0.01	165984	0.04
9	9	Alamitos Drive	26.84	14	19	0		63	300		0	18900	115	14.87	14.70	0.15	12	PVC	0.010	1150614	0.02	287654	0.07
9	9	Alamitos Drive	24.86	19	20	0		63	300		0	18900	190	13.66	13.25	0.22	12	PVC	0.010	1390174	0.01	347544	0.05
9	9	Alamitos Drive	21.81	20	21	0		63	300		0	18900	155	13.25	11.00	1.45	12	PVC	0.010	3605616	0.01	901404	0.02
		MH-21 into OCUA 42" RCP																					

SHEET No.	SHEET No.	LOCATION	RIM ELEV.	FROM MH No.	TO MH No.	Units QUAN.	Buildout Units QUAN.	TOTAL Units QUAN.	INFLOW GPD	Buildout Flow GPD	Total I GPD	Units X I GPD	SANITARY SEWER PROFILE L (FT.)	INV IN	INV OUT	SLOPE (%)	PIPE INFORMATION DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
11	11	offroad	46.90	1	2	6		6	300		1800	1800	185	39.00	38.15	0.46	8	PVC	0.010	688020	0.00	172005	0.01
11	11	offroad	45.53	2	3	0		6	300		0	1800	190	37.92	35.90	1.06	8	PVC	0.010	1046589	0.00	261647	0.01
11	11	offroad	46.25	4	3	0		0	300		0	0	200	38.90	36.00	1.45	8	PVC	0.010	1222254	0.00	305563	0.00
11	11	offroad	45.80	3	6	0		6	300		0	1800	168	35.79	34.95	0.50	8	PVC	0.010	717732	0.00	179433	0.01
11	11	offroad	44.10	5	6	0		0	300		0	0	250	35.65	34.40	0.50	8	PVC	0.010	717732	0.00	179433	0.00
11	11	offroad	43.00	6	7	0		6	300		0	1800	300	34.20	32.70	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	41.40	7	8	0		6	300		0	1800	290	32.50	31.05	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	40.00	8	9	0		6	300		0	1800	380	30.85	29.16	0.44	10	PVC	0.010	1227314	0.00	306828	0.01
11	11	Ocean Ave.	44.85	27	25	10		10	300		3000	3000	155	32.23	31.26	0.63	8	PVC	0.010	802967	0.00	200742	0.01
11	11	offroad	41.13	26	25	10		20	300		3000	6000	176	32.29	31.35	0.53	8	PVC	0.010	741797	0.01	185449	0.03
11	11		41.84	25	23	20		50	300		6000	15000	266	31.21	29.78	0.54	8	PVC	0.010	744226	0.02	186056	0.08
11	11	offroad	39.06	24	23	20		20	300		6000	6000	167	31.59	29.78	1.08	8	PVC	0.010	1056716	0.01	264179	0.02
11	11		39.02	23	9	0		70	300		0	21000	117	29.71	29.07	0.55	8	PVC	0.010	750714	0.03	187678	0.11
11	11		37.90	9	10	10		86	300		3000	25800	164	29.03	28.07	0.59	10	PVC	0.010	1408049	0.02	352012	0.07
11	11	offroad	38.94	11	10	10		10	300		3000	3000	74	29.93	28.32	2.18	8	PVC	0.010	1497182	0.00	374295	0.01
11	11		38.17	10	12	10		106	300		3000	31800	210	27.92	26.84	0.51	10	PVC	0.010	1319795	0.02	329949	0.10
11	11		38.16	12	13	0		106	300		0	31800	122	26.73	26.21	0.43	10	PVC	0.010	1201506	0.03	300376	0.11
11	11		37.24	13	14	0		106	300		0	31800	75	26.02	25.66	0.48	10	PVC	0.010	1275043	0.02	318761	0.10
11	11		38.28	14	15	0		106	300		0	31800	63	25.66	25.41	0.40	10	PVC	0.010	1159321	0.03	289830	0.11
11	11	Jessica Court	41.53	19	18	21		21	300		6300	6300	186	35.26	32.58	1.44	8	PVC	0.010	1218396	0.01	304599	0.02
11	11	Jessica Court	39.40	18	17	6		27	300		1800	8100	68	32.54	31.62	1.35	8	PVC	0.010	1180638	0.01	295160	0.03
11	11	Jessica Court	38.01	20	21	18		18	300		5400	5400	155	32.48	31.74	0.48	8	PVC	0.010	701338	0.01	175335	0.03
11	11	Jessica Court	38.92	21	17	0		18	300		0	5400	103	31.53	30.09	1.40	8	PVC	0.010	1200163	0.00	300041	0.02
11	11	Jessica Court	38.40	17	16	6		51	300		1800	15300	116	30.00	29.48	0.45	8	PVC	0.010	679595	0.02	169899	0.09
11	11	Jessica Court	37.44	16	15	6		57	300		1800	17100	139	29.46	26.90	1.84	8	PVC	0.010	1377495	0.01	344374	0.05
11	14	Michele Way	36.48	15	1	31		194	300		9300	58200	345	25.12	24.12	0.29	10	PVC	0.010	990820	0.06	247705	0.23
11	14	Michele Way	37.02	22	1	11		11	300		3300	3300	341	30.32	27.48	0.83	8	PVC	0.010	926317	0.00	231579	0.01
14	14	Michele Way	33.96	1	2	0		205	300		0	61500	77	24.12	23.83	0.38	10	PVC	0.010	1129426	0.05	282356	0.22
14	14	New Hampshire Avenue	30.95	2	3	0		205	300		0	61500	302	23.77	22.70	0.35	10	DIP	0.013	842654	0.07	210663	0.29
14	14	New Hampshire Avenue	25.15	3	4	0		205	300		0	61500	145	22.56	22.05	0.35	10	DIP	0.013	839580	0.07	209895	0.29
14	14	New Hampshire Avenue	25.15	4	9	0		205	300		0	61500	215	21.95	21.20	0.35	10	DIP	0.013	836127	0.07	209032	0.29
14	14	New Hampshire Avenue	24.48	9	11	0		205	300		0	61500	190	21.10	19.87	0.65	10	DIP	0.013	1139034	0.05	284758	0.22
14	14	New Hampshire Avenue	25.23	11	13	0		205	300		0	61500	42	19.56	19.24	0.76	12	DIP	0.013	2009376	0.03	502344	0.12
14	14	New Hampshire Avenue	24.96	13	17	0		1520	300		0	459400	55	19.24	18.90	0.62	12	DIP	0.013	1809960	0.25	452490	1.02
16	16	offroad	20.71	10	8	8		8	300		2400	2400	40	11.56	11.37	0.48	8	PVC	0.010	699559	0.00	174890	0.01
16	16	Ocean Avenue	20.25	8	5	28		36	300		8400	10800	350	11.17	9.44	0.49	8	PVC	0.010	713619	0.02	178405	0.06
16	16	Ocean Avenue	19.93	5	4	0		36	300		0	10800	148	9.34	8.60	0.50	8	PVC	0.010	717732	0.02	179433	0.06
16	16	Ocean Avenue	20.26	4	1	6		42	300		1800	12600	195	8.50	7.56	0.48	8	PVC	0.010	704732	0.02	176183	0.07
16	16	Ocean Avenue	20.92	1	2	0		42	300		0	12600	10	7.06	6.96	1.00	8	PVC	0.010	1015027	0.01	253757	0.05
16	16	offroad	18.43	11	12	10		10	300		3000	3000	20.8	10.05	9.95	0.48	8	PVC	0.010	703794	0.00	175949	0.02
16	16	offroad		12	13	0		10	300		0	3000	286.6	9.88	8.49	0.48	8	PVC	0.010	706882	0.00	176720	0.02
16	16	offroad		13	2	0		10	300		0	3000	310.5	8.39	6.96	0.46	8	PVC	0.010	688834	0.00	172209	0.02
16	16	MH-2 into OCUA		2	OCUA	0		52	300		0	15600	32	4.60	4.50	0.31	12	PVC	0.010	1672935	0.01	418234	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
17	17	Stadium	68.20	18	17	1		1	20000		20000	20000	115	60.20	59.74	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	68.50	17	16	0		1	0		0	20000	310	59.64	58.40	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.80	16	15	0		1	0		0	20000	220	58.30	57.42	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	67.00	15	14	0		1	0		0	20000	200	57.32	56.52	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	14	13	0		1	0		0	20000	220	56.42	55.54	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	13	12	0		1	0		0	20000	400	55.44	53.84	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	62.50	12	11	0		1	0		0	20000	400	53.74	50.54	0.80	8	PVC	0.010	907867	0.02	226967	0.09
17	17	Stadium	58.40	11	10	0		1	0		0	20000	190	50.44	48.61	0.96	8	PVC	0.010	996153	0.02	249038	0.08
17	17	Stadium	56.50	10	9	0		1	0		0	20000	400	37.37	36.14	0.31	15	PVC	0.010	3008870	0.01	752217	0.03
17	17	Stadium	51.94	9	8	0		1	0		0	20000	98	36.04	35.66	0.39	15	PVC	0.010	3378777	0.01	844694	0.02
17	17	Stadium	50.10	8	7	0		1	0		0	20000	119	35.56	35.06	0.42	15	PVC	0.010	3517162	0.01	879290	0.02
17	17	Stadium	49.18	7	1	0		1	0		0	20000	284	34.96	34.34	0.22	18	PVC	0.010	4122565	0.00	1030641	0.02
17	17	Stadium	45.03	1	2	0		1	0		0	20000	274	34.23	33.80	0.16	18	PVC	0.010	3495343	0.01	873836	0.02
17	17	Stadium	46.86	2	3	0		1	0		0	20000	274	33.77	32.89	0.32	18	PVC	0.010	5000309	0.00	1250077	0.02
17	17	Stadium	46.36	3	4	0		1	0		0	20000	147	32.79	32.27	0.35	18	PVC	0.010	5247758	0.00	1311940	0.02
17	17	Stadium	?	4	5	0		1	0		0	20000	195	32.17	31.71	0.24	18	PVC	0.010	4285410	0.00	1071353	0.02
17	17	Stadium	42.67	5	6	0		1	0		0	20000	352	31.61	30.66	0.27	18	PVC	0.010	4583754	0.00	1145938	0.02
17	100	Goes off maps	45.15	6	new	0		1	0		0	20000	280	30.56	29.40	0.41	18	PVC	0.010	5679117	0.00	1419779	0.01
100	14	Back on maps	?	new	30	0		1	0		0	20000	295	29.30	27.37	0.65	18	PVC	0.010	7136717	0.00	1784179	0.01
14	14	offroad	35.69	30	29	0		1	0		0	20000	291	27.27	25.83	0.49	18	PVC	0.010	6206769	0.00	1551692	0.01
14	14	offroad	35.69	29	28	0		1	0		0	20000	381	25.47	24.49	0.26	18	PVC	0.010	4474880	0.00	1118720	0.02
14	14	offroad	35.72	28	27	0		1	0		0	20000	238	24.39	23.75	0.27	18	PVC	0.010	4575434	0.00	1143859	0.02
14	14	offroad	35.62	27	24	0		1	0		0	20000	400	23.65	22.05	0.40	18	PVC	0.010	5580342	0.00	1395085	0.01
17	17	Service	78.80	23	22	10		10	300		3000	3000	66	73.00	69.00	6.06	6	PVC	0.010	1160287	0.00	290072	0.01
17	17	Service	75.00	22	21	0		10	300		0	3000	75	69.00	66.33	3.56	6	PVC	0.010	889268	0.00	222317	0.01
17	17	Service	72.10	21	20	0		10	300		0	3000	66	66.33	65.19	1.73	6	PVC	0.010	619424	0.00	154856	0.02
17	17	offroad	72.03	20	19	0		10	300		0	3000	260	64.96	63.58	0.53	8	PVC	0.010	739487	0.00	184872	0.02
17	18	offroad	74.88	19	1	0		10	300		0	3000	244	63.53	62.35	0.48	8	PVC	0.010	705868	0.00	176467	0.02
18	18	offroad	72.80	1	63	0		10	300		0	3000	155	62.35	61.58	0.50	8	PVC	0.010	715413	0.00	178853	0.02
18	18	offroad	?	63	2	8		18	300		2400	5400	350	61.58	60.60	0.28	8	PVC	0.010	537102	0.01	134275	0.04
18	18	New Hampshire Avenue	68.49	2	3	0		18	300		0	5400	320	60.49	58.49	0.63	8	PVC	0.010	802449	0.01	200612	0.03
18	18	New Hampshire Avenue	69.78	3	4	0		18	300		0	5400	350	58.30	56.66	0.47	8	PVC	0.010	694809	0.01	173702	0.03
18	18	New Hampshire Avenue	66.49	4	5	0		18	300		0	5400	270	56.41	51.34	1.88	8	PVC	0.010	1390912	0.00	347728	0.02
18	14	New Hampshire Avenue	58.18	5	26	0		18	300		0	5400	310	51.25	42.02	2.98	8	PVC	0.010	1751449	0.00	437862	0.01
14	14	New Hampshire Avenue	48.54	26	25	0		18	300		0	5400	250	41.90	29.58	4.93	8	PVC	0.010	2253268	0.00	563317	0.01
14	14	New Hampshire Avenue	38.87	25	24	0		18	300		0	5400	21	28.74	28.52	1.05	8	PVC	0.010	1038913	0.01	259728	0.02
14	14	New Hampshire Avenue	36.13	24	22	0		19	300		0	25400	236	21.82	21.20	0.26	18	PVC	0.010	4522418	0.01	1130604	0.02
14	14	New Hampshire Avenue	29.02	22	23	0		19	300		0	25400	63	21.10	20.91	0.30	18	PVC	0.010	4845486	0.01	1211371	0.02
14	14	New Hampshire Avenue	31.53	23	20	0		19	300		0	25400	160	20.81	20.43	0.24	18	PVC	0.010	4299942	0.01	1074986	0.02
14	14	New Hampshire Avenue	28.77	20	19	0		19	300		0	25400	369	20.33	19.12	0.33	18	PVC	0.010	5052546	0.01	1263137	0.02
14	14	New Hampshire Avenue	25.86	19	18	0		19	300		0	25400	31	19.02	18.92	0.32	18	PVC	0.010	5011295	0.01	1252824	0.02
14	14	New Hampshire Avenue	25.91	18	17	0		19	300		0	25400	20	18.82	18.40	2.10	18	PVC	0.010	12786170	0.00	3196542	0.01
14	14	New Hampshire Avenue	25.41	17	16	0		1539	300		0	484800	193	17.79	15.87	0.99	18	PVC	0.010	8800407	0.06	2200102	0.22
14	14	New Hampshire Avenue	24.70	16	OCUA	0		1539	300		0	484800	29	15.77	15.47	1.03	18	PVC	0.010	8974132	0.05	2243533	0.22

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	DAPPLEFIELDS COURT	64.11	38	37	14		14	170		2380	2380	272	56.32	52.34	1.46	8	PVC	0.010	1227819	0.00	306955	0.01
56	56	DAPPLEFIELDS COURT	60.00	37	36	2		16	170		340	2720	72	52.01	50.72	1.79	8	PVC	0.010	1358645	0.00	339661	0.01
56	56	DAPPLEFIELDS COURT	58.90	36	35	0		16	170		0	2720	148	50.65	46.79	2.61	8	PVC	0.010	1639231	0.00	409808	0.01
56	56	GOLDEN SEASONS DRIVE	57.23	35	39	0		100	170		0	17000	204	46.72	45.68	0.51	8	PVC	0.010	724735	0.02	181184	0.09
56	56	GOLDEN SEASONS DRIVE	57.21	39	40	10		110	170		1700	18700	296	45.64	42.35	1.11	8	PVC	0.010	1070113	0.02	267528	0.07
56	56	GOLDEN SEASONS DRIVE	50.52	40	41	13		123	170		2210	20910	302	42.27	39.34	0.97	8	PVC	0.010	999788	0.02	249947	0.08
56	56	GOLDEN SEASONS DRIVE	46.86	41	42	2		125	170		340	21250	89	39.20	38.75	0.51	8	PVC	0.010	721753	0.03	180438	0.12
56	56	GOLDEN SEASONS DRIVE	46.63	42	43	1		126	170		170	21420	130	38.63	37.93	0.54	8	PVC	0.010	744826	0.03	186206	0.12
56	56	GOLDEN SEASONS DRIVE	44.57	43	44	9		135	170		1530	22950	280	37.84	36.71	0.40	8	PVC	0.010	644819	0.04	161205	0.14
56	56	GOLDEN SEASONS DRIVE	42.86	44	45	3		138	170		510	23460	90	36.62	36.27	0.39	8	PVC	0.010	632980	0.04	158245	0.15
56	58	GOLDEN SEASONS DRIVE	42.24	45	10	12		150	170		2040	25500	328	36.25	34.99	0.38	8	PVC	0.010	629109	0.04	157277	0.16
56	58	GOLDEN SEASONS DRIVE	54.31	46	1	8		8	170		1360	1360	252	46.36	42.94	1.36	8	PVC	0.010	1182470	0.00	295618	0.00
58	58	GOLDEN SEASONS DRIVE	50.75	1	2	3		11	170		510	1870	96	42.86	42.21	0.68	8	PVC	0.010	835215	0.00	208804	0.01
58	58	GOLDEN SEASONS DRIVE	49.95	2	3	12		23	170		2040	3910	322	42.15	39.77	0.74	8	PVC	0.010	872646	0.00	218161	0.02
58	58	GOLDEN SEASONS DRIVE	47.87	3	4	2		25	170		340	4250	91	39.72	38.57	1.26	8	PVC	0.010	1141053	0.00	285263	0.01
56	58	SUMMERLAWN DRIVE	47.79	47	5	10		10	170		1700	1700	317	40.74	39.58	0.37	8	PVC	0.010	614012	0.00	153503	0.01
58	58	SUMMERLAWN DRIVE	47.44	5	4	4		14	170		680	2380	151	39.58	38.57	0.67	8	PVC	0.010	830137	0.00	207534	0.01
58	58	GOLDEN SEASONS DRIVE	47.60	4	7	1		40	170		170	6800	79	38.53	38.20	0.42	8	PVC	0.010	656026	0.01	164006	0.04
58	58	GOLDEN SEASONS DRIVE	45.63	7	8	7		47	170		1190	7990	278	38.01	36.85	0.42	8	PVC	0.010	655668	0.01	163917	0.05
58	58	GOLDEN SEASONS DRIVE	43.00	8	9	2		49	170		340	8330	79	36.77	36.45	0.41	8	PVC	0.010	646009	0.01	161502	0.05
58	58	GOLDEN SEASONS DRIVE	42.64	9	10	10		59	170		1700	10030	348	36.42	34.99	0.41	8	PVC	0.010	650663	0.02	162666	0.06
58	58	OFF HAMILTON COURT	40.53	10	11	0		209	170		0	35530	201	34.94	34.08	0.43	8	PVC	0.010	663940	0.05	165985	0.21
58	58	OFF HAMILTON COURT	38.90	11	12	16		225	170		2720	38250	120	34.03	33.82	0.18	8	PVC	0.010	424616	0.09	106154	0.36
58	58	OFF HAMILTON COURT	39.15	12	13	2		227	170		340	38590	178	33.82	32.04	1.00	8	ACP	0.013	780790	0.05	195197	0.20
58	58	OFF HAMILTON COURT	37.95	13	14	6		233	170		1020	39610	128	32.04	29.48	2.00	8	ACP	0.013	1104203	0.04	276051	0.14
58	58	HAMILTON COURT	39.40	18	14	10		10	170		1700	1700	212	33.65	29.48	1.97	8	ACP	0.013	1095051	0.00	273763	0.01
58	58	HAMILTON COURT	36.75	14	15	0		243	170		0	41310	88	29.48	29.04	0.50	8	ACP	0.013	552102	0.07	138025	0.30
58	58	HAMILTON COURT	38.10	17	16	27		27	170		4590	4590	210	33.00	31.74	0.60	8	ACP	0.013	604797	0.01	151199	0.03
58	58	HAMILTON COURT	36.60	16	15	2		29	170		340	4930	166	31.74	29.70	1.23	8	ACP	0.013	865556	0.01	216389	0.02
58	58	HAMILTON COURT	39.90	20	19	4		4	170		680	680	144	32.82	32.24	0.40	8	ACP	0.013	495526	0.00	123882	0.01
58	58	HAMILTON COURT	39.20	19	15	4		8	170		680	1360	182	32.24	29.04	1.76	8	ACP	0.013	1035317	0.00	258829	0.01
58	58	HAMILTON COURT	35.50	15	21	4		284	170		680	48280	202	29.04	28.23	0.40	8	ACP	0.013	494426	0.10	123606	0.39
58	58	HAMILTON COURT	38.50	21	22	16		300	170		2720	51000	400	28.23	26.63	0.40	8	ACP	0.013	493815	0.10	123454	0.41
58	58	HAMILTON COURT	37.60	22	23	2		302	170		340	51340	122	26.63	26.14	0.40	8	ACP	0.013	494826	0.10	123706	0.42
58	58	HAMILTON COURT	32.75	24	23	16		16	170		2720	2720	360	28.30	26.14	0.60	8	ACP	0.013	604797	0.00	151199	0.02
58	58	HAMILTON COURT	37.10	23	25	6		324	170		1020	55080	148	26.14	25.51	0.43	8	ACP	0.013	509417	0.11	127354	0.43
58	58	ARGYLL COURT	40.30	27	25	28		28	170		4760	4760	340	31.68	28.28	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	ARGYLL COURT	36.90	26	25	0		28	170		0	4760	155	26.29	25.51	0.50	8	ACP	0.013	553880	0.01	138470	0.03
58	59	ARGYLL COURT	35.40	25	19	0		352	170		0	59840	285	25.51	24.35	0.41	8	ACP	0.013	498128	0.12	124532	0.48
58	59	ARGYLL CIRCLE	32.00	28	19	22		22	170		3740	3740	150	25.25	24.35	0.60	8	ACP	0.013	604797	0.01	151199	0.02
59	59	OFF ARGYLL CIRCLE	33.30	21	20	14		14	170		2380	2380	110	25.65	24.90	0.68	8	ACP	0.013	644716	0.00	161179	0.01
59	59	OFF ARGYLL CIRCLE	32.80	20	19	0		14	170		0	2380	107	24.90	24.35	0.51	8	ACP	0.013	559788	0.00	139947	0.02
59	59	ARGYLL CIRCLE	32.50	19	18	0		388	170		0	65960	318	24.08	22.17	0.60	8	ACP	0.013	605114	0.11	151278	0.44

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
59	59	CLYDEBANK COURT	29.85	25	24	15		15	170		2550	2550	206	25.66	25.00	0.32	8	ACP	0.013	441949	0.01	110487	0.02
59	59	CLYDEBANK COURT	30.00	24	23	10		25	170		1700	4250	176	24.84	24.14	0.40	8	ACP	0.013	492410	0.01	123102	0.03
59	59	CLYDEBANK COURT	29.30	23	22	14		39	170		2380	6630	270	24.14	23.06	0.40	8	ACP	0.013	493815	0.01	123454	0.05
59	59	CLYDEBANK COURT	31.20	22	18	8		47	170		1360	7990	191	23.06	22.17	0.47	8	ACP	0.013	532982	0.01	133245	0.06
59	59	ARGYLL CIRCLE	28.35	18	17	0		435	170		0	73950	210	22.17	21.88	0.14	12	ACP	0.013	855461	0.09	213865	0.35
59	59	ARGYLL CIRCLE	26.85	17	11	0		435	170		0	73950	205	21.88	21.70	0.09	12	ACP	0.013	682135	0.11	170534	0.43
59	59	CLYDEBANK COURT	29.10	31	29	8	5	8	170	1000	6360	6360	400	25.43	23.83	0.40	8	ACP	0.013	493815	0.01	123454	0.05
59	59	CLYDEBANK COURT	28.50	30	29	4		4	170		680	680	280	25.12	23.83	0.46	8	ACP	0.013	529968	0.00	132492	0.01
59	59	CLYDEBANK COURT	29.00	29	27	2		14	170		340	7380	210	23.83	23.20	0.30	8	ACP	0.013	427656	0.02	106914	0.07
59	59	CLYDEBANK COURT	29.00	28	27	24		24	170		4080	4080	255	24.22	23.20	0.40	8	ACP	0.013	493815	0.01	123454	0.03
59	59	CLYDEBANK COURT	28.60	27	26	24		62	170		4080	15540	356	23.13	22.06	0.30	8	ACP	0.013	428056	0.04	107014	0.15
59	59	CLYDEBANK COURT	28.75	26	11	0		62			0	15540	80	22.06	21.70	0.45	6	ACP	0.013	243204	0.06	60801	0.26
59	59	OFF ARGYLL CIRCLE		16	14	10		10	170		1700	1700	222	24.91	24.02	0.40	8	ACP	0.013	494371	0.00	123593	0.01
59	59	OFF ARGYLL CIRCLE	33.80	15	14	12		12	170		2040	2040	268	27.24	24.02	1.20	8	ACP	0.013	855844	0.00	213961	0.01
59	59	OFF ARGYLL CIRCLE	31.00	14	13	10		32	170		1700	5440	280	24.02	22.90	0.40	8	ACP	0.013	493815	0.01	123454	0.04
59	59	OFF ARGYLL CIRCLE	28.90	13	12	6		38	170		1020	6460	166	22.90	22.23	0.40	8	ACP	0.013	496041	0.01	124010	0.05
59	59	OFF ARGYLL CIRCLE	30.40	12	11	6		44	170		1020	7480	133	22.23	21.59	0.48	8	ACP	0.013	541624	0.01	135406	0.06
59	59	ARGYLL CIRCLE	28.00	11	9	0		541	170		0	96970	205	21.59	21.30	0.14	12	ACP	0.013	865830	0.11	216458	0.45
59	59	OFF ARGYLL CIRCLE	30.15	10	9	28		28	170		4760	4760	110	22.55	21.30	1.14	8	ACP	0.013	832325	0.01	208081	0.02
59	59	CLYDEBANK COURT	29.52	9	7	0		569	170		0	101730	220	21.30	20.99	0.14	12	ACP	0.013	864132	0.12	216033	0.47
59	59	OFF ARGYLL CIRCLE	33.75	8	7	32		32	170		5440	5440	288	27.65	22.98	1.62	6	ACP	0.013	461664	0.01	115416	0.05
59	59	CLYDEBANK COURT	31.43	7	5	0		601	170		0	107170	225	20.99	20.67	0.14	12	ACP	0.013	868149	0.12	217037	0.49
59	59	OFF ARGYLL CIRCLE	34.10	6	5	14		14	170		2380	2380	115	27.79	27.15	0.56	6	ACP	0.013	270461	0.01	67615	0.04
59	59	OFF ARGYLL CIRCLE	33.25	5	4	10		625	170		1700	111250	300	20.67	20.25	0.14	12	ACP	0.013	861340	0.13	215335	0.52
56	56	OFF ARGYLL CIRCLE	41.10	79	80	30		14	170		5100	14	230	35.15	32.85	1.00	8	ACP	0.013	780790	0.00	195197	0.00
56	58	OFF ARGYLL CIRCLE	39.10	80	29	14		28	170		2380	2394	156	32.85	32.07	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	38.40	29	30	0		28	170		0	2394	130	31.94	31.29	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	39.80	30	31	14		42	170		2380	4774	105	31.29	30.24	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	OFF ARGYLL CIRCLE	37.70	31	32	8		50	170		1360	6134	224	30.24	29.12	0.50	8	ACP	0.013	552102	0.01	138025	0.04
58	58	OFF ARGYLL CIRCLE	34.10	32	33	2		52	170		340	6474	96	29.12	28.64	0.50	8	ACP	0.013	552102	0.01	138025	0.05
58	59	OFF ARGYLL CIRCLE	31.60	33	3	12		64	170		2040	8514	362	28.64	27.19	0.40	8	ACP	0.013	494156	0.02	123539	0.07
59	59	OFF ARGYLL CIRCLE	34.70	3	4	14		78	170		2380	10894	352	27.19	25.79	0.40	8	ACP	0.013	492410	0.02	123102	0.09
59	57	ARGYLL CIRCLE	35.65	4	43	0		703	170		0	122144	72	20.25	20.15	0.14	12	ACP	0.013	857916	0.14	214479	0.57
57	57	SHETLAND DRIVE	36.25	43	41	0		703	170		0	122144	212	20.10	19.56	0.25	12	ACP	0.013	1161822	0.11	290456	0.42
57	57	OFF SHETLAND DRIVE	36.95	42	41	12		12	170		2040	2040	140	30.50	28.50	1.43	8	ACP	0.013	933222	0.00	233306	0.01
57	57	From Clubhouse			53	1		1	2000		2000	2000	270	38.15	36.79	0.50	8	ACP	0.013	554143	0.00	138536	0.01
57	57	OFF SHETLAND DRIVE	40.50	53	52	8		9	170		1360	3360	158	36.79	36.00	0.50	8	ACP	0.010	717732	0.00	179433	0.02
57	57	OFF SHETLAND DRIVE	39.70	52	49	4		13	170		680	4040	287	36.00	34.56	0.50	8	ACP	0.010	718982	0.01	179745	0.02
57	57	OFF SHETLAND DRIVE	42.70	50	49	6		6	170		1020	1020	124	37.70	36.40	1.05	8	ACP	0.013	799457	0.00	199864	0.01
57	57	OFF SHETLAND DRIVE	41.10	49	46	8		27	170		1360	6420	269	36.40	32.71	1.37	8	ACP	0.013	914473	0.01	228618	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
57	57	OFF SHETLAND DRIVE	40.10	48	47	12		12	170		2040	2040	89	34.94	34.05	1.00	8	ACP	0.013	780790	0.00	195197	0.01
57	57	OFF SHETLAND DRIVE	38.30	47	46	0		12	170		0	2040	180	33.40	32.71	0.38	8	ACP	0.013	483418	0.00	120854	0.02
57	57	OFF SHETLAND DRIVE	37.95	46	45	0		39	170		0	8460	178	32.71	30.93	1.00	8	ACP	0.013	780790	0.01	195197	0.04
57	57	OFF SHETLAND DRIVE	37.75	45	44	10		49	170		1700	10160	70	30.93	30.23	1.00	8	ACP	0.013	780790	0.01	195197	0.05
57	57	OFF SHETLAND DRIVE	36.90	44	41	0		49	170		0	10160	144	30.23	28.50	1.20	8	ACP	0.013	855807	0.01	213952	0.05
57	57	SHETLAND DRIVE	35.90	41	39	0		764	170		0	134344	125	19.56	19.38	0.14	12	ACP	0.013	873559	0.15	218390	0.62
57	57	OFF SHETLAND DRIVE	35.40	40	39	6		6	170		1020	1020	25	27.30	27.00	1.20	8	ACP	0.013	855312	0.00	213828	0.00
57	57	SHETLAND DRIVE	35.13	39	34	0		770	170		0	135364	315	19.38	18.94	0.14	12	ACP	0.013	860363	0.16	215091	0.63
59	57	OFF SHETLAND DRIVE	36.70	32	38	20		20	170		3400	3400	240	31.04	28.64	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	38	37	10		30	170		1700	5100	180	28.64	27.56	0.60	8	ACP	0.013	604797	0.01	151199	0.03
57	57	OFF SHETLAND DRIVE	34.70	37	35	2		32	170		340	5440	218	27.56	26.65	0.42	8	ACP	0.013	504460	0.01	126115	0.04
57	57	OFF SHETLAND DRIVE	33.70	36	35	10		10	170		1700	1700	102	27.78	26.65	1.11	8	ACP	0.013	821813	0.00	205453	0.01
57	57	OFF SHETLAND DRIVE	33.50	35	34	0		42	170		0	7140	25	26.65	26.00	2.60	8	ACP	0.013	1258986	0.01	314746	0.02
57	57	SHETLAND DRIVE	33.11	34	31	12		824	170		2040	144544	255	18.94	18.58	0.14	12	ACP	0.013	864952	0.17	216238	0.67
57	57	OFF SHETLAND DRIVE	35.70	33	32	20		20	170		3400	3400	120	29.30	28.10	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	32	31	2		22	170		340	3740	110	28.10	25.90	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
57	57	OFF SHETLAND DRIVE	34.60	31	30	2		848	170		340	148624	155	18.58	18.36	0.14	12	ACP	0.013	867274	0.17	216818	0.69
57	57	OFF SHORROCK STREET	31.00	30	27	0		848	170		0	148624	70	18.36	18.25	0.16	12	ACP	0.013	912553	0.16	228138	0.65
57	57	OFF SHORROCK STREET	28.37	27	29	0	6	1409	170	1000	6000	255994	45	18.10	18.00	0.22	12	DIP	0.013	1085187	0.24	271297	0.94
57	53	Force Main	31.00	29	11	0		1409	170		0	261994	2980	18.00	41.00	NA	8	DIP	0.013	NA	NA	NA	NA
55	55	SPRING VALLEY DRIVE	73.55	46	47	14		14	170		2380	2380	338	66.49	63.20	0.97	8	PVC	0.010	1001422	0.00	250355	0.01
55	55	SPRING VALLEY DRIVE	71.18	47	48	1		15	170		170	2550	85	63.08	62.41	0.79	8	PVC	0.010	901167	0.00	225292	0.01
55	55	SPRING VALLEY DRIVE	70.83	48	49	4		19	170		680	3230	250	62.31	57.61	1.88	8	PVC	0.010	1391734	0.00	347934	0.01
55	55	SPRING VALLEY DRIVE	67.20	49	50	4		23	170		680	3910	128	57.53	53.78	2.93	8	PVC	0.010	1737353	0.00	434338	0.01
55	55	DAWNWINDS COURT	64.76	52	51	8		8	170		1360	1360	225	56.79	55.57	0.54	8	PVC	0.010	747422	0.00	186856	0.01
55	55	DAWNWINDS COURT	63.37	51	50	5		13	170		850	2210	186	55.44	53.78	0.89	8	PVC	0.010	958904	0.00	239726	0.01
55	56	SPRINGMEADOW DRIVE	65.25	50	33	0		36	170		0	6120	104	53.68	53.18	0.48	8	PVC	0.010	703794	0.01	175949	0.03
56	56	SPRINGMEADOW DRIVE	64.24	33	32	4		40	170		680	6800	169	53.09	52.31	0.46	8	PVC	0.010	689575	0.01	172394	0.04
55	55	AUTUMNTIDE DRIVE	73.22	53	54	16		16	170		2720	2720	342	64.86	61.49	0.99	8	PVC	0.010	1007580	0.00	251895	0.01
55	55	AUTUMNTIDE DRIVE	67.90	54	55	8		24	170		1360	4080	74	61.43	60.01	1.92	8	PVC	0.010	1406066	0.00	351517	0.01
55	56	AUTUMNTIDE DRIVE	68.55	55	34	16		40	170		2720	6800	270	59.96	56.97	1.11	8	PVC	0.010	1068147	0.01	267037	0.03
56	56	AUTUMNTIDE DRIVE	63.66	34	32	4		44	170		680	7480	167	56.92	52.31	2.76	8	PVC	0.010	1686435	0.00	421609	0.02
56	56	SPRINGMEADOW DRIVE	61.77	32	31	0		84	170		0	14280	150	52.17	51.39	0.52	8	PVC	0.010	731946	0.02	182987	0.08
56	56	SPRINGMEADOW DRIVE	59.19	31	30	0		84	170		0	14280	160	51.20	47.75	2.16	8	PVC	0.010	1490483	0.01	372621	0.04
56	56	SPRINGMEADOW DRIVE	56.13	30	35	0		84	170		0	14280	139	47.64	46.79	0.61	8	PVC	0.010	793742	0.02	198436	0.07
56	56	SPRINGTIDE ROAD	57.48	28	27	4		4	170		680	680	198	50.88	49.62	0.64	8	PVC	0.010	809711	0.00	202428	0.00
56	56	SPRINGTIDE ROAD	61.00	29	27	9		9	170		1530	1530	310	52.70	48.20	1.45	8	PVC	0.010	1222933	0.00	305733	0.01
56	56	AMBERLANDS COURT	56.11	27	26	5		18	170		850	3060	181	48.11	47.03	0.60	8	PVC	0.010	784061	0.00	196015	0.02
56	56	AMBERLANDS COURT	54.08	26	25	3		21	170		510	3570	74	46.82	46.49	0.45	8	PVC	0.010	677826	0.01	169457	0.02
56	56	AMBERLANDS COURT	53.61	25	24	1		22	170		170	3740	50	46.40	46.15	0.50	8	PVC	0.010	717732	0.01	179433	0.02
56	56	AMBERLANDS COURT	53.43	24	23	9		31	170		1530	5270	268	45.99	44.60	0.52	8	PVC	0.010	731000	0.01	182750	0.03
56	56	AMBERLANDS COURT	50.84	23	22	2		33	170		340	5610	100	44.35	43.81	0.54	8	PVC	0.010	745889	0.01	186472	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	SPRINGMEADOW DRIVE	53.06	22	21	0		33	170		0	19890	181	43.75	40.98	1.53	8	PVC	0.010	1255677	0.02	313919	0.06
56	56	SPRINGMEADOW DRIVE	48.95	21	16	0		33	170		0	19890	203	40.92	39.08	0.91	8	PVC	0.010	966359	0.02	241590	0.08
55	55	SPRING VALLEY DRIVE	72.28	43	44	5		5	170		850	850	215	62.87	59.99	1.34	8	PVC	0.010	1174774	0.00	293694	0.00
55	55	SPRING VALLEY DRIVE	68.10	44	45	4		9	170		680	1530	214	59.81	55.01	2.24	8	PVC	0.010	1520167	0.00	380042	0.00
55	56	SPRING VALLEY DRIVE	62.94	45	20	10		19	170		1700	3230	400	54.93	47.25	1.92	8	PVC	0.010	1406462	0.00	351616	0.01
56	56	SPRING VALLEY DRIVE	55.30	20	19	5		24	170		850	4080	137	47.20	45.54	1.21	8	PVC	0.010	1117304	0.00	279326	0.01
56	56	SPRING VALLEY DRIVE	53.44	19	18	6		30	170		1020	5100	197	45.46	42.76	1.37	8	PVC	0.010	1188300	0.00	297075	0.02
56	56	SPRING VALLEY DRIVE	50.54	18	17	13		43	170		2210	7310	318	42.57	39.60	0.93	8	PVC	0.010	980939	0.01	245235	0.03
56	56	SPRING VALLEY DRIVE	45.79	17	16	1		44	170		170	7480	88	39.44	39.08	0.41	8	PVC	0.010	649213	0.01	162303	0.05
56	56	SPRINGMEADOW DRIVE	45.08	16	15	0		77	170		0	27370	241	39.00	37.76	0.51	8	PVC	0.010	728081	0.04	182020	0.15
56	56	SPRINGMEADOW DRIVE	43.40	15	14	0		77	170		0	27370	265	37.61	36.24	0.52	8	PVC	0.010	729818	0.04	182455	0.15
52	52	GREENWAYS LANE	72.40	45	46	13		13	170		2210	2210	301	65.21	54.41	3.59	8	PVC	0.010	1922676	0.00	480669	0.00
52	56	GREENWAYS LANE	61.55	46	1	6		19	170		1020	3230	200	54.28	47.59	3.35	8	PVC	0.010	1856417	0.00	464104	0.01
56	56	GREENWAYS LANE	54.71	1	2	3		22	170		510	3740	101	47.42	45.75	1.65	8	PVC	0.010	1305194	0.00	326298	0.01
56	56	GREENWAYS LANE	53.93	2	3	8		30	170		1360	5100	200	45.66	44.56	0.55	8	PVC	0.010	752764	0.01	188191	0.03
52	52	GARDENWAYS COURT	59.06	51	50	4		4	170		680	680	103	53.86	53.29	0.55	8	PVC	0.010	755086	0.00	188771	0.00
52	52	GARDENWAYS COURT	61.60	50	49	4		8	170		680	1360	150	53.14	52.44	0.47	8	PVC	0.010	693395	0.00	173349	0.01
52	52	GARDENWAYS COURT	64.58	49	48	4		12	170		680	2040	100	52.39	51.96	0.43	8	PVC	0.010	665597	0.00	166399	0.01
52	52	GARDENWAYS COURT	63.03	48	47	6		18	170		1020	3060	151	51.81	50.50	0.87	8	PVC	0.010	945420	0.00	236355	0.01
52	56	GARDENWAYS COURT	57.64	47	3	3		21	170		510	3570	204	50.45	44.60	2.87	8	PVC	0.010	1718859	0.00	429715	0.01
56	56	GREENWAYS LANE	51.82	3	4	7		58	170		1190	9860	192	44.48	43.46	0.53	8	PVC	0.010	739821	0.01	184955	0.05
56	56	GREENWAYS LANE	49.77	4	5	2		60	170		340	10200	93	43.25	42.72	0.57	8	PVC	0.010	766256	0.01	191564	0.05
52	52	GREENWAYS LANE	61.70	52	53	5		5	170		850	850	119	54.48	49.85	3.89	8	PVC	0.010	2002140	0.00	500535	0.00
52	52	GREENWAYS LANE	57.96	53	54	4		9	170		680	1530	99	49.73	45.74	4.03	8	PVC	0.010	2037728	0.00	509432	0.00
52	56	GREENWAYS LANE	54.11	54	6	6		15	170		1020	2550	201	45.66	44.20	0.73	8	PVC	0.010	865079	0.00	216270	0.01
56	56	GREENWAYS LANE	51.30	6	5	12		27	170		2040	4590	277	44.10	42.78	0.48	8	PVC	0.010	700688	0.01	175172	0.03
56	56	GREENWAYS LANE	49.94	5	7	0		87	170		0	14790	158	42.57	41.83	0.47	8	PVC	0.010	695867	0.02	173967	0.09
56	56	OFF GREENWAYS LANE		7	8	0		87	170		0	14790	400	41.83	37.19	1.16	8	PVC	0.010	1093217	0.01	273304	0.05
56	56	QUICKSILVER COURT	45.56	13	12	2		2	170		340	340	87	40.35	39.94	0.47	8	PVC	0.010	696803	0.00	174201	0.00
56	56	QUICKSILVER COURT	47.24	12	11	2		4	170		340	680	62	39.90	39.62	0.45	8	PVC	0.010	682120	0.00	170530	0.00
56	56	QUICKSILVER COURT	48.02	11	10	9		13	170		1530	2210	210	39.55	38.47	0.51	8	PVC	0.010	727913	0.00	181978	0.01
56	56	QUICKSILVER COURT	46.00	10	8	8		21	170		1360	3570	213	38.33	37.24	0.51	8	PVC	0.010	726107	0.00	181527	0.02
56	56	QUICKSILVER COURT	47.23	9	8	12		12	170		2040	2040	250	39.29	37.24	0.82	8	PVC	0.010	919146	0.00	229786	0.01
56	56	OFF QUICKSILVER COURT	43.12	8	14	0		120	170		0	20400	186	37.06	36.20	0.46	8	PVC	0.010	690192	0.03	172548	0.12
56	56	OFF QUICKSILVER COURT	43.12	14	48	0		197	170		0	47770	299	36.10	34.66	0.48	10	DIP	0.013	982441	0.05	245610	0.19
56	56	OFF QUICKSILVER COURT	39.85	48	49	16		213	170		2720	50490	300	34.56	34.05	0.17	10	DIP	0.013	583694	0.09	145924	0.35
56	56	ABERDEEN DRIVE	46.40	54	53	40		40	170		6800	6800	197	39.85	35.91	2.00	8	ACP	0.013	1104203	0.01	276051	0.02
56	56	ABERDEEN DRIVE	42.40	53	52	26		66	170		4420	11220	195	35.91	35.13	0.40	8	ACP	0.013	493815	0.02	123454	0.09
56	56	ABERDEEN DRIVE	40.60	52	50	0		66	170		0	11220	158	35.13	34.67	0.29	8	ACP	0.013	421293	0.03	105323	0.11
56	56	ABERDEEN DRIVE	40.60	51	50	10		10	170		1700	1700	140	35.50	34.67	0.59	8	ACP	0.013	601186	0.00	150297	0.01
56	56	ABERDEEN DRIVE	39.80	50	49	0		76	170		0	12920	114	34.50	33.78	0.63	8	ACP	0.013	620509	0.02	155127	0.08
56	56	ABERDEEN DRIVE	39.50	49	55	8		297	170		1360	64770	75	33.78	33.72	0.08	10	ACP	0.013	400411	0.16	100103	0.65
56	56	ABERDEEN DRIVE	39.70	55	56	0		297	170		0	64770	155	33.55	33.05	0.32	10	ACP	0.013	804044	0.08	201011	0.32
56	56	ABERDEEN DRIVE	42.15	58	57	16		16	170		2720	2720	98	35.14	34.26	0.90	8	ACP	0.013	739882	0.00	184970	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56		42.95	59	57	16		16	170		2720	2720	258	38.48	35.90	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56		41.30	57	56	0		32	170		0	5440	135	34.26	33.05	0.90	8	ACP	0.013	739196	0.01	184799	0.03
56	56		40.30	56	60	0		329	170		0	70210	184	32.88	31.88	0.54	10	ACP	0.013	1043643	0.07	260911	0.27
56	56		44.55	62	61	8		8	170		1360	1360	147	39.41	36.40	2.05	8	ACP	0.013	1117271	0.00	279318	0.00
56	56		41.80	61	60	10		18	170		1700	3060	125	36.40	31.88	3.62	8	ACP	0.013	1484733	0.00	371183	0.01
56	56		37.72	60	63	0		347	170		0	73270	128	31.88	31.48	0.31	10	ACP	0.013	791381	0.09	197845	0.37
56	56	FIFE COURT	40.60	66	65	16		16	170		2720	2720	117	33.41	32.94	0.40	8	ACP	0.013	494869	0.01	123717	0.02
56	56	FIFE COURT	39.80	65	64	8		24	170		1360	4080	265	32.94	31.88	0.40	8	ACP	0.013	493815	0.01	123454	0.03
56	56	OFF FIFE COURT	39.85	67	64	14		14	170		2380	2380	200	33.88	31.88	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56	FIFE COURT	38.35	64	63	8		46	170		1360	7820	50	31.88	31.48	0.80	8	ACP	0.013	698360	0.01	174590	0.04
56	56	FIFE COURT		63	68	0		46	170		0	7820	228	31.48	30.97	0.22	10	ACP	0.013	669543	0.01	167386	0.05
56	56		39.20	69	68	12		12	170		2040	2040	89	31.35	30.97	0.43	8	ACP	0.013	510189	0.00	127547	0.02
56	56			68	70	0		58	170		0	9860	278	30.80	29.98	0.29	10	ACP	0.013	768857	0.01	192214	0.05
56	56		39.40	73	72	14		14	170		2380	2380	185	34.44	33.70	0.40	8	ACP	0.013	493815	0.00	123454	0.02
56	56		38.25	72	71	10		24	170		1700	4080	194	33.70	32.92	0.40	8	ACP	0.013	495086	0.01	123771	0.03
56	56		36.15	71	70	2		26	170		340	4420	118	32.92	32.45	0.40	8	ACP	0.013	492767	0.01	123192	0.04
56	56		34.72	70	74	12		96	170		2040	16320	122	29.98	29.60	0.31	10	ACP	0.013	790083	0.02	197521	0.08
56	56			74	75	0		96	170		0	16320	120	29.60	29.22	0.32	10	ACP	0.013	796640	0.02	199160	0.08
59	59		36.30	2	1	10		10	170		1700	1700	125	31.90	31.40	0.40	8	ACP	0.013	493815	0.00	123454	0.01
56	57		35.40	1	55	4		14	170		680	2380	103	31.40	30.99	0.40	8	ACP	0.013	492615	0.00	123154	0.02
57	56		34.90	55	78	8		22	170		1360	3740	173	30.99	30.30	0.40	8	ACP	0.013	493101	0.01	123275	0.03
56	56		33.65	78	75	8		30	170		1360	5100	220	30.30	29.22	0.49	8	ACP	0.013	547060	0.01	136765	0.04
56	56	ARGYLL COURT	34.80	75	76	0		126	170		0	21420	324	29.22	28.80	0.13	10	ACP	0.013	509698	0.04	127424	0.17
56	57	DUMBARTON DRIVE	36.25	76	12	0		126	170		0	21420	246	28.63	27.90	0.30	10	ACP	0.013	771178	0.03	192795	0.11
57	56	OFF DUMBARTON DRIVE	43.75	13	81	24		24	170		4080	4080	200	37.55	36.52	0.51	8	ACP	0.013	560322	0.01	140081	0.03
56	56	OFF DUMBARTON DRIVE	43.35	81	82	14		38	170		2380	6460	128	36.35	35.45	0.70	8	ACP	0.013	654712	0.01	163678	0.04
56	57	OFF DUMBARTON DRIVE	40.70	82	12	8		46	170		1360	7820	318	34.19	32.60	0.50	8	ACP	0.013	552102	0.01	138025	0.06
57	57	DUMBARTON DRIVE	39.88	12	11	0		46	170		0	7820	380	27.88	26.74	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	43.55	11	10	0		46	170		0	7820	320	26.74	25.78	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	32.80	10	9	0		46	170		0	7820	400	25.78	24.58	0.30	10	ACP	0.013	775392	0.01	193848	0.04
52	52	SUNLIGHT SPRINGS ROAD	59.00	84	85	4		4	170		680	680	192	51.11	46.63	2.33	8	PVC	0.010	1550479	0.00	387620	0.00
52	52	GREENHAVEN COURT	55.85	87	86	4		4	170		680	680	90	48.93	48.34	0.66	8	PVC	0.010	821830	0.00	205458	0.00
52	52	GREENHAVEN COURT	56.90	86	85	10		14	170		1700	2380	292	48.12	46.58	0.53	8	PVC	0.010	737134	0.00	184283	0.01
52	52	SUNLIGHT SPRINGS ROAD	54.67	85	88	7		25	170		1190	4250	255	46.40	43.49	1.14	8	PVC	0.010	1084311	0.00	271078	0.02
52	52	SUNLIGHT SPRINGS ROAD	51.69	88	89	7		32	170		1190	5440	245	43.40	40.30	1.27	8	PVC	0.010	1141761	0.00	285440	0.02
52	52	HEATHERSWAY COURT	49.60	91	90	6		6	170		1020	1020	186	42.06	41.12	0.51	8	PVC	0.010	721581	0.00	180395	0.01
52	52	HEATHERSWAY COURT	47.76	91	89	6		12	170		1020	2040	196	41.00	40.25	0.38	8	PVC	0.010	627885	0.00	156971	0.01
52	56	SUNLIGHT SPRINGS ROAD	49.73	89	83	4		48	170		680	8160	192	40.14	39.16	0.51	8	PVC	0.010	725170	0.01	181293	0.05
56	56	SUNLIGHT SPRINGS ROAD	48.07	83	84	3		51	170		510	8670	76	39.11	38.58	0.70	8	PVC	0.010	847634	0.01	211909	0.04
56	56	SUNLIGHT SPRINGS ROAD	47.50	84	85	5		56	170		850	9520	182	38.54	37.71	0.46	8	PVC	0.010	685458	0.01	171364	0.06
56	56	SPRINGMEADOW DRIVE	46.53	85	86	0		56	170		0	9520	139	37.65	36.95	0.50	8	PVC	0.010	720309	0.01	180077	0.05
52	52	SILVERSIDE ROAD	61.35	97	96	12		12	170		2040	2040	192	53.32	48.51	2.51	8	PVC	0.010	1606569	0.00	401642	0.01
52	52	SILVERSIDE ROAD	58.76	96	93	0		12	170		0	2040	69	48.44	45.50	4.26	8	PVC	0.010	2095205	0.00	523801	0.00

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	GREYLAWN DRIVE	54.29	95	94	12		12	170		2040	2040	107	46.63	46.09	0.50	8	PVC	0.010	721078	0.00	180270	0.01
52	52	GREYLAWN DRIVE	55.20	94	93	0		12	170		0	2040	92	46.03	45.48	0.60	8	PVC	0.010	784811	0.00	196203	0.01
52	52	SPRINGMEADOW DRIVE	56.75	93	92	0		24	170		0	4080	160	45.43	43.08	1.47	8	PVC	0.010	1230131	0.00	307533	0.01
52	56	SPRINGMEADOW DRIVE	51.23	92	87	4		28	170		680	4760	200	43.03	41.45	0.79	8	PVC	0.010	902175	0.01	225544	0.02
56	56	SPRINGMEADOW DRIVE	49.75	87	86	0		28	170		0	4760	300	41.45	36.97	1.49	8	PVC	0.010	1240383	0.00	310096	0.02
56	56		47.57	86	88	0		84	170		0	14280	256	36.85	35.80	0.41	8	PVC	0.010	650058	0.02	162514	0.09
56	56		43.80	88	89	16		100	170		2720	17000	272	35.70	34.07	0.60	8	PVC	0.010	785754	0.02	196439	0.09
56	56		45.35	91	90	23		23	170		3910	3910	198	39.94	38.95	0.50	8	ACP	0.013	552102	0.01	138025	0.03
56	56		46.15	90	89	4		27	170		680	4590	216	38.95	34.07	2.26	8	ACP	0.013	1173592	0.00	293398	0.02
56	56		41.55	89	92	6		133	170		1020	22610	152	34.07	33.16	0.60	8	ACP	0.013	604134	0.04	151033	0.15
56	56		46.45	94	93	22		22	170		3740	3740	330	38.64	36.00	0.80	8	ACP	0.013	698360	0.01	174590	0.02
56	56		42.20	93	92	12		34	170		2040	5780	115	36.00	34.85	1.00	8	ACP	0.013	780790	0.01	195197	0.03
56	56		41.40	92	95	4		171	170		680	29070	168	33.16	32.15	0.60	8	ACP	0.013	605397	0.05	151349	0.19
56	57		41.80	95	7	0		171			0	29070	295	32.15	31.00	0.39	8	ACP	0.013	487497	0.06	121874	0.24
57	57		40.80	8	7	12		12	170		2040	2040	187	32.19	31.00	0.64	8	ACP	0.013	622855	0.00	155714	0.01
57	57		38.50	7	6	12		195	170		2040	33150	360	31.00	28.12	0.80	8	ACP	0.013	698360	0.05	174590	0.19
57	57		33.50	6	5	10		205	170		1700	34850	270	28.12	26.92	0.44	8	ACP	0.013	520526	0.07	130132	0.27
57	53		46.00	1	41	14		14	170		2380	2380	240	40.83	39.87	0.40	8	ACP	0.013	493815	0.00	123454	0.02
53	57		47.30	41	2	8		22	170		1360	3740	237	39.87	35.60	1.80	8	ACP	0.013	1048030	0.00	262008	0.01
57	57		41.00	2	3	8		30	170		1360	5100	193	35.60	33.00	1.35	8	ACP	0.013	906238	0.01	226559	0.02
57	57		37.90	3	4	2		32	170		340	5440	120	33.00	31.70	1.08	8	ACP	0.013	812672	0.01	203168	0.03
57	57		36.50	4	5	14		46	170		2380	7820	118	31.00	26.92	3.46	8	ACP	0.013	1451855	0.01	362964	0.02
57	57		34.75	5	9	0		251	170		0	42670	115	26.92	25.77	1.00	8	ACP	0.013	780790	0.05	195197	0.22
57	57	BUMBARTON DRIVE	33.26	9	14	0		297	170		0	50490	247	24.58	23.84	0.30	10	ACP	0.013	774869	0.07	193717	0.26
57	57	THORNHILL COURT	35.60	14	15	0		297	170		0	50490	165	23.84	23.34	0.30	8	ACP	0.013	429811	0.12	107453	0.47
57	57			16	15	6		6	170		1020	1020	50	25.49	25.34	0.30	8	PVC	0.010	555953	0.00	138988	0.01
57	57	THORNHILL COURT	33.53	15	17	10		313	170		1700	53210	178	23.34	22.81	0.30	10	ACP	0.013	772483	0.07	193121	0.28
53	53			CAP	27	2		2	170		340	340	110	35.41	34.86	0.50	8	ACP	0.013	552102	0.00	138025	0.00
53	53		38.65	27	28	12		14	170		2040	2380	154	34.86	34.09	0.50	8	ACP	0.013	552102	0.00	138025	0.02
53	53		41.67	28	29	16	6	30	170	1000	8720	11100	242	34.09	29.25	2.00	8	ACP	0.013	1104203	0.01	276051	0.04
53	53		34.86	29	30	8		38	170		1360	12460	125	29.25	28.62	0.50	8	ACP	0.013	554306	0.02	138576	0.09
53	53		32.00	30	31	4		42	170		680	13140	166	28.62	27.96	0.40	8	ACP	0.013	492325	0.03	123081	0.11
53	53		29.98	31	32	10		52	170		1700	14840	258	27.96	26.93	0.40	8	ACP	0.013	493336	0.03	123334	0.12
57	53		35.99	23	35	16		16	170		2720	2720	215	30.85	30.00	0.40	8	ACP	0.013	490935	0.01	122734	0.02
53	53		33.78	35	34	2		18	170		340	3060	122	30.00	28.78	1.00	8	ACP	0.013	780790	0.00	195197	0.02
53	53		36.11	40	39	30		30	170		5100	5100	160	32.16	30.56	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53		35.40	39	38	10		40	170		1700	6800	164	30.56	28.92	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53			CAP	38	4		4	170		680	680	170	30.62	28.92	1.00	8	ACP	0.013	780790	0.00	195197	0.00
53	53		36.03	38	36	0		44	170		0	7480	145	28.92	28.19	0.50	8	ACP	0.013	554002	0.01	138501	0.05
53	53	BLMORAL COURT	34.95	37	36	28		28	170		4760	4760	138	30.95	28.19	2.00	8	ACP	0.013	1104203	0.00	276051	0.02
53	53	BLMORAL COURT	34.43	36	34	0		72	170		0	12240	203	28.19	27.38	0.40	8	ACP	0.013	493206	0.02	123302	0.10

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53		32.24	34	32	0		90	170		0	15300	120	27.38	26.93	0.37	8	ACP	0.013	478134	0.03	119534	0.13
53	53		33.30	32	33	6		148	170		1020	31160	234	26.83	25.88	0.41	8	ACP	0.013	497494	0.06	124374	0.25
53	57		35.30	33	22	4		152	170		680	31840	115	25.88	25.42	0.40	8	ACP	0.013	493815	0.06	123454	0.26
57	57		36.50	22	20	0		152	170		0	31840	192	25.42	24.65	0.40	8	ACP	0.013	494457	0.06	123614	0.26
57	57		37.20	21	20	12		12	170		2040	2040	180	29.35	26.64	1.51	8	ACP	0.013	958037	0.00	239509	0.01
57	57		38.30	20	18	14		178	170		2380	36260	180	24.65	23.93	0.40	8	PVC	0.010	641959	0.06	160490	0.23
57	57		32.75	19	18	14		14	170		2380	2380	215	26.78	25.92	0.40	8	ACP	0.013	493815	0.00	123454	0.02
57	57		35.50	18	17	0		192	170		0	38640	142	23.93	23.36	0.40	8	ACP	0.013	494683	0.08	123671	0.31
57	57		32.45	17	24	44		549	170		7480	99330	133	23.36	22.41	0.71	10	ACP	0.013	1196456	0.08	299114	0.33
57	57		33.40	24	25	8		557	170		1360	100690	348	22.41	21.37	0.30	10	ACP	0.013	773905	0.13	193476	0.52
57	57		31.10	25	26	4		561	170		680	101370	170	21.37	20.70	0.39	10	ACP	0.013	888738	0.11	222184	0.46
57	57	Shorrock St.	39.13	26	29	0		561	170		0	101370	470	20.60	18.70	0.40	10	ACP	0.013	900096	0.11	225024	0.45
23	23	Lehigh Ave.	32.77	5	4	1		1	3000		3000	3000	298.6	25.76	24.65	0.37	8	ACP	0.013	476048	0.01	119012	0.03
23	23	Lehigh Ave.	33.24	4	1	1		2	3000		3000	6000	299.2	24.65	23.40	0.42	8	ACP	0.013	504671	0.01	126168	0.05
23	19	Lehigh Ave.	34.53	1	32	1		3	3000		3000	9000	291	23.40	22.10	0.45	8	ACP	0.013	521866	0.02	130467	0.07
19	19	Lehigh Ave.	31.66	32	30	3		6	3000		9000	18000	395	22.10	20.32	0.45	8	ACP	0.013	524138	0.03	131034	0.14
19	19	Lehigh Ave.	29.17	30	27	2		8	3000		6000	24000	296.6	20.32	19.28	0.35	8	ACP	0.013	462344	0.05	115586	0.21
19	19	Lehigh Ave.	27.66	27	24	1		9	3000		3000	27000	295.5	19.28	18.05	0.42	8	ACP	0.013	503742	0.05	125935	0.21
19	19	Lehigh Ave.	26.22	24	10	1		10	3000		3000	30000	295.9	18.05	16.86	0.40	8	ACP	0.013	495148	0.06	123787	0.24
19	19	Swarthmore Ave.		20	18	3		3	3000		9000	9000	300	21.67	20.48	0.40	8	ACP	0.013	491753	0.02	122938	0.07
19	19	Swarthmore Ave.		18	15	2		5	3000		6000	15000	295	20.48	19.30	0.40	8	ACP	0.013	493815	0.03	123454	0.12
19	19	Swarthmore Ave.		15	14	1		6	3000		3000	18000	300	19.30	18.10	0.40	8	ACP	0.013	493815	0.04	123454	0.15
19	19	Swarthmore Ave.		14	11	1		7	3000		3000	21000	295	18.10	16.92	0.40	8	ACP	0.013	493815	0.04	123454	0.17
19	19	Swarthmore Ave.		11	10	1		8	3000		3000	24000	229.9	16.92	16.01	0.40	8	ACP	0.013	491230	0.05	122808	0.20
19	19	Swarthmore Ave.		10	8	0		18	3000		0	54000	269	16.01	15.24	0.29	10	ACP	0.013	757408	0.07	189352	0.29
19	19	Swarthmore Ave.		8	2	0		18	3000		0	54000	246	15.24	14.38	0.35	10	ACP	0.013	837033	0.06	209258	0.26
21	22	Oberlin Ave. South	51.43	5	4	2		2	3000		6000	6000	396.7	43.66	36.24	1.87	8	ACP	0.013	1067837	0.01	266959	0.02
22	22	Oberlin Ave. South	44.30	4	5	1		3	3000		3000	9000	295.7	36.24	34.40	0.62	8	ACP	0.013	615910	0.01	153978	0.06
22	22	Oberlin Ave. South	41.79	5	6	1		4	3000		3000	12000	295.3	34.40	32.15	0.76	8	ACP	0.013	681544	0.02	170386	0.07
22	22	Oberlin Ave. South	39.42	6	7	1		5	3000		3000	15000	367	32.15	30.50	0.45	8	ACP	0.013	523532	0.03	130883	0.11
22	22	Oberlin Ave. South	43.99	1	2	3		3	3000		9000	9000	307.1	37.04	35.99	0.34	8	ACP	0.013	456550	0.02	114138	0.08
22	22	Oberlin Ave. South	43.05	2	3	0		3	3000		0	9000	277.5	35.99	33.27	0.98	8	ACP	0.013	773013	0.01	193253	0.05
22	22	Oberlin Ave. South	40.25	3	7	0		3	3000		0	9000	274	33.27	30.50	1.01	8	ACP	0.013	785052	0.01	196263	0.05
22	22	Oberlin Ave. South	37.42	7	8	0		8	3000		0	24000	258.5	30.50	28.95	0.60	8	ACP	0.013	604602	0.04	151151	0.16
22	22	Oberlin Ave. South	36.09	8	9	0		8	3000		0	24000	251.7	28.95	27.66	0.51	8	ACP	0.013	558968	0.04	139742	0.17
22	22	Oberlin Ave. South	35.84	9	10	0		8	3000		0	24000	293.3	27.66	26.20	0.50	8	ACP	0.013	550877	0.04	137719	0.17
21	21	Pine Street		PS	1	1		1	2000		2000	2000	1100	Force main			2	DIP	0.013	N/A	N/A	N/A	N/A
25	25	New Hampshire Blvd.	49.30	1	PS	1		1	3000		3000	3000	177	42.96	41.19	1.00	8	DIP	0.013	780790	0.00	195197	0.02
25	21	New Hampshire Blvd.	49.30	PS	1	0		1	3000		0	3000		Force main			4	DIP	0.013	N/A	N/A	N/A	N/A
21	21	Oberlin Ave. South	48.73	1	2	2		4	3000		6000	11000	125.2	43.13	42.57	0.45	8	ACP	0.013	522187	0.02	130547	0.08
21	21	Oberlin Ave. South	52.81	4	2	1		1	3000		3000	3000	97.5	44.39	42.59	1.85	8	ACP	0.013	1060884	0.00	265221	0.01
21	21	Vassar Ave.	50.89	2	3	1		6	3000		3000	17000	271.3	42.51	41.39	0.41	8	ACP	0.013	501670	0.03	125418	0.14
21	26	Vassar Ave.	49.60	3	1	1		7	3000		3000	20000	294.8	41.39	40.19	0.41	8	ACP	0.013	498151	0.04	124538	0.16
26	26	Vassar Ave.	48.12	1	2	0		7	3000		0	20000	295.7	40.19	38.88	0.44	8	ACP	0.013	519690	0.04	129922	0.15
26	26	Vassar Ave.	46.60	2	5	2		9	3000		6000	26000	397.7	38.88	37.06	0.46	8	ACP	0.013	528192	0.05	132048	0.20
26	26	Vassar Ave.	44.30	5	6	1		10	3000		3000	29000	240	37.06	36.16	0.38	8	ACP	0.013	478134	0.06	119534	0.24

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
26	26	Vassar Ave.	40.51	7	6	0		0	3000		0	0	297	32.19	31.49	0.24	12	ACP	0.013	1117588	0.00	279397	0.00
26	26	Vassar Ave.	42.60	6	9	2		12	3000		6000	35000	244	31.49	31.01	0.20	12	ACP	0.013	1021025	0.03	255256	0.14
26	26	Vassar Ave.	41.32	9	11	1		13	3000		3000	38000	225.7	31.01	30.51	0.22	12	ACP	0.013	1083503	0.04	270876	0.14
26	22	Vassar Ave.	40.41	11	19	0		13	3000		0	38000	380.7	30.51	29.70	0.21	12	ACP	0.013	1061847	0.04	265462	0.14
22	22	Vassar Ave.	40.94	19	17	2		15	3000		6000	44000	390.5	29.70	28.82	0.23	12	ACP	0.013	1092802	0.04	273201	0.16
22	22	Vassar Ave.	39.00	17	16	0		15	3000		0	44000	386.8	28.82	27.94	0.23	12	ACP	0.013	1098017	0.04	274504	0.16
22	22	Vassar Ave.	39.80	16	13	2		17	3000		6000	50000	301.6	27.94	27.13	0.27	12	ACP	0.013	1192992	0.04	298248	0.17
22	22	Vassar Ave.	38.30	13	12	1		18	3000		3000	53000	395.4	27.13	26.53	0.15	12	ACP	0.013	896743	0.06	224186	0.24
22	22	Vassar Ave.	36.79	12	10	0		18	3000		0	53000	295.8	26.53	25.96	0.19	12	ACP	0.013	1010530	0.05	252632	0.21
22	22	Oberlin Ave. South	35.37	10	11	1		27	3000		3000	80000	242.7	25.96	25.42	0.22	12	ACP	0.013	1085857	0.07	271464	0.29
22	18	Oberlin Ave. South	37.69	11	15	0		27	3000		0	80000	247	25.42	24.86	0.23	12	ACP	0.013	1096115	0.07	274029	0.29
18	18	Oberlin Ave. North	37.67	15	15(drop)	1		28	3000		3000	83000	292.7	24.86	24.09	0.26	12	ACP	0.013	1180714	0.07	295179	0.28
18	18	Oberlin Ave. North	35.66	15(drop)	14	1		29	3000		3000	86000	293	24.09	23.46	0.22	12	ACP	0.013	1067449	0.08	266862	0.32
18	18	Oberlin Ave. North	34.05	14	12	1		30	3000		3000	89000	293.7	23.46	22.94	0.18	12	ACP	0.013	968636	0.09	242159	0.37
18	18	Oberlin Ave. North	32.60	12	10	3		33	3000		9000	98000	396.6	22.94	22.04	0.23	12	ACP	0.013	1096619	0.09	274155	0.36
18	18	Oberlin Ave. North	29.72	10	9	1		34	3000		3000	101000	394	22.04	18.35	0.94	12	ACP	0.013	2227798	0.05	556950	0.18
18	19	Oberlin Ave. North	26.72	9	1	2		36	3000		6000	107000	298	18.35	15.67	0.90	12	ACP	0.013	2183082	0.05	545770	0.20
18	18	Kenyon Dr.	53.98	6	7	0		0	3000		0	0	316	46.89	31.57	4.85	8	PVC	0.010	2234927	0.00	558732	0.00
18	14	Kenyon Dr.	41.00	7	37	0		0	3000		0	0	250	31.50	21.26	4.10	8	PVC	0.010	2054269	0.00	513567	0.00
14	14	Kenyon Dr.	30.29	37	35	1		1	3000		3000	3000	349	21.23	18.25	0.85	8	PVC	0.010	937935	0.00	234484	0.01
14	14	Swarthmore Ave.	26.75	34	35	1		1	3000		3000	3000	257.2	19.23	18.25	0.38	8	ACP	0.013	481961	0.01	120490	0.02
14	14	Swarthmore Ave.	26.66	35	39	1		3	3000		3000	9000	393.5	18.02	17.19	0.21	12	ACP	0.013	1057249	0.01	264312	0.03
14	14	Swarthmore Ave.	25.96	39	40	1		4	3000		3000	12000	397.6	17.19	16.40	0.20	12	ACP	0.013	1026127	0.01	256532	0.05
14	18	Swarthmore Ave.	24.32	40	8	1		5	3000		3000	15000	296.2	16.40	15.81	0.20	12	ACP	0.013	1027411	0.01	256853	0.06
18	19	Swarthmore Ave.	26.06	8	1	1		6	3000		3000	18000	339.8	15.81	15.11	0.21	12	ACP	0.013	1044836	0.02	261209	0.07
19	19	Swarthmore Ave.	24.41	1	2	2		44	3000		6000	131000	295	15.11	14.16	0.32	14	ACP	0.013	1970545	0.07	492636	0.27
19	19	Swarthmore Ave.	22.90	2	3	0		62	3000		0	185000	223.9	14.13	13.66	0.21	14	ACP	0.013	1590953	0.12	397738	0.47
19	19	Offroad	24.04	3	4	0		62	3000		0	185000	225.4	13.66	13.08	0.26	14	ACP	0.013	1761459	0.11	440365	0.42
					OCUA																		
29	29	Airport Rd.	45.53	11	14	2		2	3000		6000	6000	350	38.58	35.00	1.02	8	ACP	0.013	789663	0.01	197416	0.03
29	30	Airport Rd.	41.87	14	1	1		3	3000		3000	9000	400	35.00	30.20	1.20	8	ACP	0.013	855312	0.01	213828	0.04
29	29	Offroad	39.90	18	16	1		1	3000		3000	3000	320	31.88	30.54	0.42	8	ACP	0.013	505256	0.01	126314	0.02
29	30	Offroad	38.00	16	1	0		1	3000		0	3000	80	30.54	30.20	0.43	8	ACP	0.013	509013	0.01	127253	0.02
30	30	Airport Rd.	39.15	1	2	0	4	4	3000	3000	12000	24000	295	29.87	29.22	0.22	12	ACP	0.013	1080579	0.02	270145	0.09
30	30	Airport Rd.	38.62	2	4	2		6	2500		5000	29000	375	29.22	27.44	0.47	12	ACP	0.013	1586007	0.02	396502	0.07
30	30	Airport Rd.	38.67	4	5	0		6	3000		0	29000	310	27.39	26.58	0.26	12	PVC	0.010	1529734	0.02	382433	0.08
30	30	Airport Rd.	37.13	5	6	0		6	3000		0	29000	315	26.53	25.71	0.26	12	PVC	0.010	1526883	0.02	381721	0.08
30	30	Airport Rd.	35.55	6	7	0		6	3000		0	29000	400	25.66	24.62	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
30	27	Airport Rd.	35.30	7	8	0		6	3000		0	29000	400	24.57	23.53	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
30	30	Energy Way	37.60	12	13	2		2	3000		6000	6000	50	28.01	27.76	0.50	12	PVC	0.010	2116114	0.00	529029	0.01
30	30	Energy Way	37.32	13	11	0		2	3000		0	6000	98	27.76	27.53	0.23	12	PVC	0.010	1449790	0.00	362447	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
30	30	Energy Way	35.00	15	11	0		0	3000		0	0	345	28.91	27.53	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
30	30	Energy Way	36.80	11	8	0		2	3000		0	6000	258	27.31	26.09	0.47	12	PVC	0.010	2057900	0.00	514475	0.01
30	27	Energy Way	35.35	8	10	0		2	3000		0	6000	59	26.09	25.76	0.56	12	PVC	0.010	2238129	0.00	559532	0.01
27	27	Energy Way	34.98	10	8	0		2	3000		0	6000	393	25.76	23.81	0.50	12	PVC	0.010	2108022	0.00	527006	0.01
27	27	Airport Rd.	34.70	8	7	0		8	3000		0	35000	310	23.48	22.67	0.26	12	PVC	0.010	1529734	0.02	382433	0.09
27	27	Airport Rd.	33.15	7	6	0		8	3000		0	35000	335	22.62	21.75	0.26	12	PVC	0.010	1525075	0.02	381269	0.09
27	27	Airport Rd.	32.75	6	5	3		11	2000		6000	41000	400	21.70	20.66	0.26	12	PVC	0.010	1525952	0.03	381488	0.11
27	27	Airport Rd.	30.75	5	4	0		11	3000		0	41000	400	20.61	19.57	0.26	12	PVC	0.010	1525952	0.03	381488	0.11
27	27	Airport Rd.	29.91	4	1	2		13	2500		5000	46000	400	19.52	18.48	0.26	12	PVC	0.010	1525952	0.03	381488	0.12
27	23	Airport Rd.	29.92	1	17	1		14	3000		3000	49000	390	18.43	17.43	0.26	12	PVC	0.010	1515381	0.03	378845	0.13
27	27	Cedar Bridge Ave.	28.55	3	2	0		0	2000		0	0	395.1	19.48	18.48	0.25	10	ACP	0.013	712209	0.00	178052	0.00
27	23	Cedar Bridge Ave.	29.91	2	17	0		0	2000		0	0	395.1	18.48	17.30	0.30	12	ACP	0.013	1258051	0.00	314513	0.00
23	23	Cedar Bridge Ave.	29.06	17	17A	0		14	2000		0	49000	43	17.30	16.78	1.21	12	PVC	0.010	3290952	0.01	822738	0.06
23	23	Cedar Bridge Ave.	31.53	14	15	1		1	3000		3000	3000	247.2	23.75	22.55	0.49	8	ACP	0.013	544002	0.01	136000	0.02
23	23	Cedar Bridge Ave.	31.07	15	16 (Drop)	0		1	3000		0	3000	244.8	22.55	21.26	0.53	12	ACP	0.013	1671090	0.00	417773	0.01
23	23	Cedar Bridge Ave.	30.25	16 (Drop)	17A	0		15	3000		0	52000	231	16.78	16.50	0.12	12	PVC	0.010	1041903	0.05	260476	0.20
23	23	Cedar Bridge Ave.	30.25	17A	17B	0		29	3000		0	101000	300	16.50	16.10	0.13	12	PVC	0.010	1092757	0.09	273189	0.37
23	23	Offroad	30.25	17B	13	0		29	3000		0	101000	238	16.10	15.81	0.12	12	PVC	0.010	1044635	0.10	261159	0.39
23	23	Offroad	30.25	13	12	0		29	3000		0	101000	248.2	15.81	15.28	0.21	12	ACP	0.013	1063770	0.09	265943	0.38
23	23	Offroad	26.94	12	6	0		29	3000		0	101000	294.4	15.28	14.62	0.22	12	ACP	0.013	1089968	0.09	272492	0.37
23	23	Swarthmore Ave.	29.54	6	7	1		30	3000		3000	104000	198.4	14.62	14.22	0.20	12	ACP	0.013	1033641	0.10	258410	0.40
23	23	Swarthmore Ave.	30.62	7	8	1		31	3000		3000	107000	196.3	14.22	13.69	0.27	12	ACP	0.013	1196158	0.09	299040	0.36
24	24	Rutgers Blvd.	30.99	8	7	0		0	3000		0	0	300.3	23.24	22.09	0.38	8	PVC	0.010	628129	0.00	157032	0.00
24	24	Rutgers Blvd.	29.42	7	6	0		0	3000		0	0	298.7	22.09	20.93	0.39	8	PVC	0.010	632541	0.00	158135	0.00
24	24	Rutgers Blvd.	29.97	6	5	1		1	3000		3000	3000	318.2	20.93	19.64	0.41	8	PVC	0.010	646282	0.00	161571	0.02
24	24	Rutgers Blvd.	28.36	5	4	0		1	3000		0	3000	216.9	19.64	18.85	0.36	8	PVC	0.010	612578	0.00	153144	0.02
24	24	Rutgers Blvd.	27.41	4	2	0		1	3000		0	3000	175.4	18.85	17.84	0.58	8	PVC	0.010	770235	0.00	192559	0.02
24	23	Rutgers Blvd.	28.76	2	11	1		2	3000		3000	6000	306.2	17.84	16.64	0.39	8	PVC	0.010	635427	0.01	158857	0.04
23	23	Rutgers Blvd.	30.53	11	10	2		4	3000		6000	12000	398.1	16.64	15.21	0.36	8	PVC	0.010	608344	0.02	152086	0.08
23	23	Rutgers Blvd.	30.03	10	8	0		4	3000		0	12000	130	15.21	14.39	0.63	8	PVC	0.010	806144	0.01	201536	0.06
23	23	Swarthmore Ave.	31.57	8	9	2		37	3000		6000	125000	397.9	13.69	12.91	0.20	14	ACP	0.013	1537432	0.08	384358	0.33
23	24	Swarthmore Ave.	31.33	9	1	2		39	3000		6000	131000	395.6	12.91	12.31	0.15	14	ACP	0.013	1352331	0.10	338083	0.39
24	20	Swarthmore Ave.	32.21	1	11	1		40	3000		3000	134000	370.4	12.31	11.52	0.21	14	ACP	0.013	1603665	0.08	400916	0.33
20	20	Swarthmore Ave.	28.90	11	10	1		41	3000		3000	137000	248.1	11.52	10.99	0.21	14	ACP	0.013	1604945	0.09	401236	0.34
20	20	Swarthmore Ave.	26.98	10	9	0		41	3000		0	137000	295.1	10.99	10.26	0.25	14	ACP	0.013	1727080	0.08	431770	0.32
20	20	Swarthmore Ave.	25.50	9	8	1		42	3000		3000	140000	294.1	10.26	9.67	0.20	14	ACP	0.013	1555300	0.09	388825	0.36
20	20	Rutgers Blvd.	29.94	18	17	0		0	3000		0	0	411	22.58	20.51	0.50	8	PVC	0.010	720347	0.00	180087	0.00
20	20	Rutgers Blvd.	27.91	17	16	1		1	3000		3000	3000	302	20.51	19.03	0.49	8	PVC	0.010	710567	0.00	177642	0.02
20	20	Rutgers Blvd.	26.25	16	15	1		2	3000		3000	6000	208.5	19.03	17.90	0.54	8	PVC	0.010	747246	0.01	186812	0.03
20	20	Rutgers Blvd.	25.50	15	14	0		2	3000		0	6000	245.9	17.90	17.00	0.37	8	PVC	0.010	614072	0.01	153518	0.04
20	20	Rutgers Blvd.	29.33	14	13	0		2	3000		0	6000	396.5	17.00	15.49	0.38	8	PVC	0.010	626389	0.01	156597	0.04
20	20	Rutgers Blvd.	26.99	13	12	0		2	3000		0	6000	394.5	15.49	13.79	0.43	8	PVC	0.010	666313	0.01	166578	0.04
20	20	Rutgers Blvd.	24.37	12	8	0		2	3000		0	6000	129	13.79	13.27	0.40	8	PVC	0.010	644443	0.01	161111	0.04
20	20	Swarthmore Ave.	24.10	8	7	1		45	3000		3000	149000	155.1	9.67	9.22	0.29	14	ACP	0.013	1870406	0.08	467602	0.32
20	20	Swarthmore Ave.	23.20	7	6	0		45	3000		0	149000	190.9	9.22	8.96	0.14	14	ACP	0.013	1281502	0.12	320375	0.47

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
19	19	Swarthmore Ave.	30.10	21	22	1		1	3000		3000	3000	395	22.57	15.78	1.72	8	ACP	0.013	1023695	0.00	255924	0.01
19	20	Swarthmore Ave.	23.29	22	6	1		2	3000		3000	6000	300.8	15.78	14.27	0.50	8	ACP	0.013	553202	0.01	138300	0.04
20	20	Swarthmore Ave.	22.21	6	1	0		47	3000		0	155000	395.6	8.96	8.09	0.22	14	ACP	0.013	1628422	0.10	407106	0.38
20	20	Offroad	18.38	1	2	0		47	3000		0	155000	110.3	8.09	7.45	0.58	14	ACP	0.013	2645074	0.06	661268	0.23
					OCUA																		
28	28	New Hampshire Ave.	NEW	NEW	1	92		92	1000	92000	92000	92000											
28	28	New Hampshire Ave.	59.91	1	2	0	2	92	3000	3000	6000	98000	321	53.74	53.29	0.14	16	ACP	0.013	1856241	0.05	464060	0.21
28	28	New Hampshire Ave.	60.77	2	3	1		93	3000		3000	101000	408	53.29	52.13	0.28	16	ACP	0.013	2643502	0.04	660876	0.15
28	28	New Hampshire Ave.	59.58	3	4	0		93	3000		0	101000	192	52.13	51.87	0.14	16	ACP	0.013	1824386	0.06	456097	0.22
28	28	Oak St.	58.90	4	5	1	7	94	10000	3000	31000	132000	428	51.87	50.92	0.22	16	ACP	0.013	2335719	0.06	583930	0.23
28	28	Oak St.	59.08	5	6	1		95	3000		3000	135000	429	50.92	49.97	0.22	16	ACP	0.013	2332995	0.06	583249	0.23
28	28	Oak St.	57.27	6	7	0		95	3000		0	135000	445	49.97	49.04	0.21	16	ACP	0.013	2266429	0.06	566607	0.24
28	28	Oak St.	62.18	10	9	4		4	3000		12000	12000	270	57.00	55.05	0.72	8	ACP	0.013	663544	0.02	165886	0.07
28	28	Oak St.	60.68	9	8	1		5	3000		3000	15000	300	55.05	52.28	0.92	8	ACP	0.013	750263	0.02	187566	0.08
28	28	Oak St.	57.43	8	7	1		6	3000		3000	18000	300	52.28	49.04	1.08	8	ACP	0.013	811420	0.02	202855	0.09
28	28	Towbin Ave.	54.41	12	11	2		2	3000		6000	6000	245	50.29	49.80	0.20	12	ACP	0.013	1029499	0.01	257375	0.02
28	28	Towbin Ave.	57.91	11	7	2		4	3000		6000	12000	400	49.80	49.04	0.19	12	ACP	0.013	1003431	0.01	250858	0.05
28	28	Towbin Ave.	56.74	7	13	1		106	3000		3000	168000	302	49.04	47.73	0.43	12	ACP	0.013	1516153	0.11	379038	0.44
28	28	Towbin Ave.	55.48	13	14	2		108	3000		6000	174000	298	47.73	46.52	0.41	12	ACP	0.013	1466882	0.12	366721	0.47
28	33	Towbin Ave.	54.27	14	8	2		110	3000		6000	180000	383	46.52	44.81	0.45	12	ACP	0.013	1538188	0.12	384547	0.47
33	33	Towbin Ave.	52.95	8	7	1		111	3000		3000	183000	400	44.81	43.54	0.32	12	ACP	0.013	1297127	0.14	324282	0.56
33	33	Towbin Ave.	51.50	7	6	0		111	3000		0	183000	122	43.54	43.44	0.08	12	ACP	0.013	659069	0.28	164767	1.11
33	33	Salem Street	NEW	NEW	1	681		681	Varies		682000	682000											
33	33	Healthcare Way	51.94	1	2	1		682	3000	11630	14630	696630	301	46.20	45.78	0.14	12	ACP	0.013	859908	0.81	214977	3.24
33	33	Healthcare Way	45.78	2	3	0		682	3000		0	696630	349	45.78	45.24	0.15	12	ACP	0.013	905514	0.77	226378	3.08
33	33	Healthcare Way	49.00	3	4	0		682	3000		0	696630	275	45.24	44.72	0.19	12	ACP	0.013	1001028	0.70	250257	2.78
33	33	Healthcare Way	49.74	4	5	0		682	3000		0	696630	382	44.72	44.16	0.15	12	ACP	0.013	881400	0.79	220350	3.16
33	33	Healthcare Way	48.38	5	6	0		682	3000		0	696630	398	44.16	43.44	0.18	12	ACP	0.013	979119	0.71	244780	2.85
33	33	Towbin St.	50.77	6	9	1	2	794	3000	3000	9000	888630	315	43.44	42.74	0.22	12	ACP	0.013	1085187	0.82	271297	3.28
33	33	Towbin St.	49.71	9	10	1		795	3000		3000	891630	270	42.74	42.48	0.10	12	ACP	0.013	714357	1.25	178589	4.99
33	33	Towbin St.	48.54	10	11	1	1	796	3000	3000	6000	897630	294	42.48	42.24	0.08	12	ACP	0.013	657723	1.36	164431	5.46
28	33	Paco Way		15	8	1		1	3000		3000	3000	195	45.92	45.59	0.17	14	ACP	0.013	1428483	0.00	357121	0.01
33	33	Paco Way		8	9	1	1	2	3000	3000	6000	9000	310	45.59	45.06	0.17	14	ACP	0.013	1435796	0.01	358949	0.03
33	34	Paco Way		9	1	2		4	3000		6000	15000	355	45.06	44.45	0.17	14	ACP	0.013	1439416	0.01	359854	0.04
34	34	Paco Way		1	2	0		4	3000		0	15000	400	44.45	43.77	0.17	14	ACP	0.013	1431726	0.01	357932	0.04
34	33	Paco Way		2	13	1	1	5	2000	3000	5000	20000	303	43.77	43.14	0.21	14	ACP	0.013	1583378	0.01	395844	0.05
33	33	Offroad		13	12	0		5	3000		0	20000	322	43.14	42.63	0.16	14	ACP	0.013	1381951	0.01	345488	0.06
33	33	Offroad		12	11	0		5	3000		0	20000	280	42.63	42.24	0.14	14	ACP	0.013	1295952	0.02	323988	0.06
33	33	Towbin St.		11	15	0		801	3000		0	917630	315	42.24	41.73	0.16	16	ACP	0.013	1994851	0.46	498713	1.84
33	33	Towbin St.	45.20	15	16	1		802	3000		3000	920630	175	41.73	40.76	0.55	16	ACP	0.013	3691030	0.25	922757	1.00
33	33	Towbin St.	46.30	16	17	1		803	3000		3000	923630	269	40.76	40.31	0.17	16	ACP	0.013	2027733	0.46	506933	1.82

SHEET No.	SHEET No.	LOCATION	RIM ELEV.	FROM MH No.	TO MH No.	Units QUAN.	Buildout Units QUAN.	TOTAL Units QUAN.	INFLOW GPD	Buildout Flow GPD	Total I GPD	Units X I GPD	SANITARY SEWER PROFILE L (FT.)	INV IN	INV OUT	SLOPE (%)	PIPE INFORMATION DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
33	33	Service	41.60	19	18	0		0	3000		0	0	75	41.64	40.97	0.89	6	PVC	0.010	445466	0.00	111366	0.00
33	33	Service	40.97	18	17	0		0	3000		0	0	18	40.97	40.81	0.89	6	PVC	0.010	444356	0.00	111089	0.00
33	39	Towbin St.	46.30	17	16	0		803	3000		0	923630	135	40.31	40.08	0.17	12	ACP	0.013	950184	0.97	237546	3.89
39	40	Route 70	44.96	16	1	0		803	300		0	923630	420	40.08	39.66	0.10	12	ACP	0.013	727965	1.27	181991	5.08
40	40	Plymouth Dr.	44.96	1	2	30		30	300		9000	9000	60	39.66	39.60	0.10	12	ACP	0.013	727965	0.01	181991	0.05
40	40	Plymouth Dr.	44.96	2	3	10		40	300		3000	13700	119	39.60	39.48	0.10	12	ACP	0.013	731018	0.02	182754	0.07
39	40	Plymouth Dr.	?	18	2	10		10	170		1700	1700	370	41.93	40.45	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Plymouth Dr.	45.48	3	4	20		60	170		3400	17100	226	39.48	39.25	0.10	12	ACP	0.013	734379	0.02	183595	0.09
40	40	Plymouth Dr.	46.47	4	5	6		66	170		1020	18120	142	39.25	39.11	0.10	12	ACP	0.013	722821	0.03	180705	0.10
40	40	Plymouth Dr.	45.50	5	6	12		78	170		2040	20160	80	39.11	39.03	0.10	12	ACP	0.013	727965	0.03	181991	0.11
40	40	Plymouth Dr.	44.30	8	7	22		22	170		3740	3740	224	39.59	38.72	0.39	8	ACP	0.013	486597	0.01	121649	0.03
40	40	Plymouth Dr.	43.08	7	6	0		22	170		0	3740	92	38.72	38.39	0.36	8	ACP	0.013	467624	0.01	116906	0.03
40	40	Plymouth Dr.	42.30	6	9	0		100	170		0	23900	338	38.39	37.99	0.12	12	ACP	0.013	791922	0.03	197981	0.12
40	40	Plymouth Dr.	44.30	9	12	8		108	170		1360	25260	237	37.99	37.06	0.39	12	ACP	0.013	1442043	0.02	360511	0.07
40	40	Plymouth Dr.	43.14	11	10	10		10	170		1700	1700	174	42.03	41.33	0.40	8	ACP	0.013	495232	0.00	123808	0.01
40	40	Plymouth Dr.	43.62	10	12	6		16	170		1020	2720	235	41.33	39.00	0.99	8	ACP	0.013	777460	0.00	194365	0.01
40	40	Plymouth Dr.	40.36	12	14	12		136	170		2040	30020	225	38.45	38.22	0.10	12	ACP	0.013	736010	0.04	184002	0.16
40	40	Plymouth Dr.	44.60	14	17	0		136	170		0	30020	158	38.22	38.06	0.10	12	ACP	0.013	732558	0.04	183140	0.16
40	40	Plymouth Dr.	40.62	17	18	24		160	170		4080	34100	140	38.06	37.92	0.10	12	ACP	0.013	727965	0.05	181991	0.19
40	40	Plymouth Dr.	40.63	18	19	6		166	170		1020	35120	195	37.92	37.79	0.07	12	ACP	0.013	594381	0.06	148595	0.24
40	40	Plymouth Dr.	43.50	15	16	34		34	170		5780	5780	247	40.72	39.73	0.40	8	ACP	0.013	494314	0.01	123579	0.05
40	40	Plymouth Dr.	44.40	16	19	14		48	170		2380	8160	402	39.73	38.12	0.40	8	ACP	0.013	494122	0.02	123530	0.07
40	40	Plymouth Dr.	41.72	19	20	14		228	170		2380	45660	400	37.79	37.31	0.12	12	ACP	0.013	797446	0.06	199362	0.23
34	34	Plymouth Dr.	43.80	42	43	18		18	170		3060	3060	203	39.78	38.97	0.40	8	ACP	0.013	493206	0.01	123302	0.02
34	40	Plymouth Dr.	40.57	43	20	10		28	170		1700	4760	332	38.97	37.64	0.40	8	ACP	0.013	494186	0.01	123547	0.04
40	40	Plymouth Dr.	40.00	20	21	0		256	170		0	50420	90	37.31	37.20	0.12	12	ACP	0.013	804796	0.06	201199	0.25
40	40	Plymouth Dr.	39.50	21	22	0		256	170		0	50420	175	37.15	36.15	0.57	12	ACP	0.013	1740170	0.03	435043	0.12
44	45	Locust St.	Abandoned	30	1	0		0	170		0	0	265	Force Main			4	ACP	0.013	NA	NA	NA	NA
45	45	Offroad	Abandoned	1	2	0		0	170		0	0	325	54.10	52.81	0.40	4	ACP	0.013	77471	0.00	19368	0.00
45	45	Offroad	59.00	2	3	0		0	170		0	0	400	52.81	51.26	0.39	8	ACP	0.013	486038	0.00	121509	0.00
45	45	Offroad	57.00	3	4	0		0	170		0	0	381	51.26	49.70	0.41	8	ACP	0.013	499613	0.00	124903	0.00
45	45	Offroad	52.52	4	5	0		0	170		0	0	60	49.70	49.61	0.15	8	ACP	0.013	302399	0.00	75600	0.00
45	45	Offroad	52.40	5	6	4		4	170		680	680	144	49.61	49.18	0.30	8	ACP	0.013	426665	0.00	106666	0.01
45	45	Buckingham Ct.	52.25	6	7	2		6	170		340	1020	138	49.13	48.72	0.30	8	ACP	0.013	425585	0.00	106396	0.01
45	39	Buckingham Ct.	52.95	7	34	16		22	170		2720	3740	430	48.72	47.44	0.30	8	ACP	0.013	425995	0.01	106499	0.04
39	39	Jefferson Ct.	54.64	34	29	20		42	170		3400	7140	348	47.44	46.40	0.30	8	ACP	0.013	426836	0.02	106709	0.07
39	39	Jefferson Ct.	54.70	29	30	10		52	170		1700	8840	268	46.37	45.57	0.30	8	ACP	0.013	426591	0.02	106648	0.08
39	39	Jefferson Ct.		30	31	8		60	170		1360	10200	190	45.57	45.00	0.30	8	ACP	0.013	427656	0.02	106914	0.10
39	39	Kingston Ct.	52.30	19	20	10		10	170		1700	1700	120	49.37	48.89	0.40	8	ACP	0.013	493815	0.00	123454	0.01
39	39	Kingston Ct.	52.45	20	21	4		14	170		680	2380	137	48.79	48.24	0.40	8	ACP	0.013	494715	0.00	123679	0.02
39	39	Kingston Ct.	51.30	21	22	10		24	170		1700	4080	320	48.14	47.18	0.30	8	ACP	0.013	427656	0.01	106914	0.04
39	39	Kingston Ct.	51.61	22	25	10		34	170		1700	5780	303	47.13	46.22	0.30	8	ACP	0.013	427891	0.01	106973	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
39	39	Kingston Ct.	55.30	24	25	18		18	170		3060	3060	264	49.31	46.67	1.00	8	ACP	0.013	780790	0.00	195197	0.02
39	39	Kingston Ct.	52.20	25	27	0		52	170		0	8840	178	46.17	45.64	0.30	8	ACP	0.013	426051	0.02	106513	0.08
39	39	Kingston Ct.	54.50	26	27	16		16	170		2720	2720	410	49.84	45.74	1.00	8	ACP	0.013	780790	0.00	195197	0.01
39	39	Kingston Ct.	50.72	23	28	30		30	170		5100	5100	436	47.26	45.95	0.30	8	ACP	0.013	427983	0.01	106996	0.05
39	39	Kingston Ct.	50.50	28	27	2		32	170		340	5440	84	45.95	45.69	0.31	8	ACP	0.013	434391	0.01	108598	0.05
39	39	Kingston Ct.	50.70	27	31	0		100	170		0	17000	213	45.64	45.00	0.30	8	ACP	0.013	427991	0.04	106998	0.16
39	39	Jefferson Ct.	50.42	31	32	2		162	170		340	27540	53	44.92	44.83	0.17	12	ACP	0.013	948624	0.03	237156	0.12
39	39	Jefferson Ct.	50.70	32	33	0		162	170		0	27540	115	44.78	44.60	0.16	12	ACP	0.013	910748	0.03	227687	0.12
39	39	Huntingdon Dr.	49.10	33	35	0		162	170		0	27540	346	44.55	44.00	0.16	12	ACP	0.013	917813	0.03	229453	0.12
45	45	Buckingham Ct.	54.00	12	11	28		28	170		4760	4760	252	47.41	46.60	0.32	8	ACP	0.013	442666	0.01	110667	0.04
45	45	Buckingham Ct.	53.70	11	10	4		32	170		680	5440	158	46.55	46.07	0.30	8	ACP	0.013	430354	0.01	107589	0.05
45	45	Buckingham Ct.	54.14	10	9	12		44	170		2040	7480	248	46.02	45.23	0.32	8	ACP	0.013	440678	0.02	110170	0.07
45	45	Buckingham Ct.	55.45	9	8	4		48	170		680	8160	208	45.18	44.51	0.32	8	ACP	0.013	443139	0.02	110785	0.07
45	45	Buckingham Ct.	55.00	15	14	24		24	170		4080	4080	232	51.85	50.65	0.52	8	ACP	0.013	561540	0.01	140385	0.03
45	45	Buckingham Ct.	55.22	14	13	6		30	170		1020	5100	94	50.30	49.37	0.99	8	ACP	0.013	776625	0.01	194156	0.03
45	45	Buckingham Ct.	55.80	13	8	18		48	170		3060	8160	260	48.37	45.77	1.00	8	ACP	0.013	780790	0.01	195197	0.04
45	39	Huntingdon Dr.	51.15	8	35	2		98	170		340	16660	163	44.46	44.00	0.28	8	ACP	0.013	414781	0.04	103695	0.16
39	39	Huntingdon Dr.	52.45	35	36	4		264	170		680	44880	220	43.92	43.48	0.20	12	ACP	0.013	1029499	0.04	257375	0.17
39	39	Huntingdon Dr.	55.00	36	37	14		278	170		2380	47260	400	43.38	42.68	0.17	12	ACP	0.013	963008	0.05	240752	0.20
45	45	Huntingdon Dr.	58.70	27	26	10		10	170		1700	1700	340	53.53	50.13	1.00	8	ACP	0.013	780790	0.00	195197	0.01
45	45	Huntingdon Dr.	56.65	26	25	8		18	170		1360	3060	142	50.03	49.46	0.40	8	ACP	0.013	494683	0.01	123671	0.02
45	45	Huntingdon Dr.	57.45	25	24	12		30	170		2040	5100	205	49.36	48.54	0.40	8	ACP	0.013	493815	0.01	123454	0.04
45	45	Gramercy Ct.	57.35	30	29	12		12	170		2040	2040	107	50.63	50.20	0.40	8	ACP	0.013	494967	0.00	123742	0.02
45	45	Gramercy Ct.		29	28	26		38	170		4420	6460	198	50.10	49.30	0.40	8	ACP	0.013	496303	0.01	124076	0.05
45	45	Gramercy Ct.	55.25	28	24	0		38	170		0	6460	164	49.20	48.54	0.40	8	ACP	0.013	495318	0.01	123830	0.05
45	45	Gramercy Ct.	54.46	24	23	20		88	170		3400	14960	295	48.46	47.28	0.40	8	ACP	0.013	493815	0.03	123454	0.12
45	45	Offroad	56.00	23	22	8		96	170		1360	16320	300	47.18	46.00	0.39	8	ACP	0.013	489682	0.03	122421	0.13
45	45	Sterling Ct.	52.99	22	20	0		96	170		0	16320	65	45.90	45.63	0.42	8	ACP	0.013	503222	0.03	125805	0.13
45	45	Sterling Ct.	54.20	21	20	8		8	170		1360	1360	133	48.60	47.53	0.80	8	ACP	0.013	700326	0.00	175081	0.01
45	45	Sterling Ct.		20	18	0		104	170		0	17680	210	45.53	44.68	0.40	8	ACP	0.013	496745	0.04	124186	0.14
45	45	Sterling Ct.	55.89	19	18	10		10	170		1700	1700	158	51.32	44.68	4.20	8	ACP	0.013	1600625	0.00	400156	0.00
45	45	Sterling Ct.	53.94	18	17	0		114	170		0	19380	55	44.58	44.35	0.42	8	ACP	0.013	504913	0.04	126228	0.15
45	45	Sterling Ct.	55.56	16	17	10		10	170		1700	1700	126	49.40	46.25	2.50	6	ACP	0.013	573237	0.00	143309	0.01
45	39	Sterling Ct.	53.62	17	37	0		124	170		0	21080	335	44.25	42.91	0.40	8	ACP	0.013	493815	0.04	123454	0.17
39	39	Sterling Ct.	50.40	37	38	6		408	170		1020	69360	230	42.81	42.12	0.30	12	ACP	0.013	1260873	0.06	315218	0.22
39	39	Sterling Ct.	52.77	38	39	4		412	170		680	70040	68	42.12	41.97	0.22	12	ACP	0.013	1081190	0.06	270297	0.26
39	40	Sterling Ct.	52.40	39	35	0		412	170		0	70040	114	41.87	41.47	0.35	12	ACP	0.013	1363604	0.05	340901	0.21
40	40	Offroad	50.80	35	37	0		412	170		0	70040	110	41.37	41.22	0.14	12	ACP	0.013	850081	0.08	212520	0.33

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Edinburgh Ct.	52.20	36	37	10		10	170		1700	1700	140	47.67	43.40	3.05	8	PVC	0.010	1772668	0.00	443167	0.00
40	40	Edinburgh Ct.	50.00	37	38	12		434	170		2040	73780	295	41.18	40.90	0.09	12	ACP	0.013	709216	0.10	177304	0.42
40	40	Edinburgh Ct.	50.00	38	39	6		440	170		1020	74800	150	40.90	40.61	0.19	12	ACP	0.013	1012195	0.07	253049	0.30
39	39	Lake Point Dr.	48.70	40	41	6		6	170		1020	1020	135	45.04	44.80	0.18	10	ACP	0.013	596897	0.00	149224	0.01
39	39	Lake Point Dr.	51.50	42	41	12		12	170		2040	2040	428	47.10	44.96	0.50	8	ACP	0.013	552102	0.00	138025	0.01
39	39	Lake Point Dr.	47.75	41	43	10		28	170		1700	4760	325	44.80	44.21	0.18	10	ACP	0.013	603177	0.01	150794	0.03
39	39	Lake Point Dr.	49.30	43	44	12		40	170		2040	6800	223	44.21	43.81	0.18	10	ACP	0.013	599568	0.01	149892	0.05
39	39	Lake Point Dr.	49.40	44	45	12		52	170		2040	8840	164	43.81	43.51	0.18	10	ACP	0.013	605480	0.01	151370	0.06
39	39	Lake Point Dr.	47.50	45	46	2		54	170		340	9180	116	43.51	43.30	0.18	10	ACP	0.013	602340	0.02	150585	0.06
39	40	Lake Point Dr.	50.10	46	31	6		60	170		1020	10200	180	43.30	42.97	0.18	10	ACP	0.013	606152	0.02	151538	0.07
40	40	Lake Point Dr.	49.60	31	32	10		70	170		1700	11900	272	42.97	42.48	0.18	10	ACP	0.013	600861	0.02	150215	0.08
39	39	Huntingdon Dr.		47	48	18		18	170		3060	3060	299	47.16	46.26	0.30	8	ACP	0.013	428371	0.01	107093	0.03
39	39	Huntingdon Dr.		48	49	4		22	170		680	3740	136	46.26	45.85	0.30	8	ACP	0.013	428703	0.01	107176	0.03
39	39	Huntingdon Dr.	48.40	49	50	8		30	170		1360	5100	200	45.85	45.25	0.30	8	ACP	0.013	427656	0.01	106914	0.05
39	39	Huntingdon Dr.	48.50	50	51	12		42	170		2040	7140	270	45.25	44.44	0.30	8	ACP	0.013	427656	0.02	106914	0.07
39	39	Lake Point Dr.	48.80	51	52	2		44	170		340	7480	129	44.44	44.05	0.30	8	ACP	0.013	429311	0.02	107328	0.07
39	39	Lake Point Dr.	48.40	52	53	10		54	170		1700	9180	202	44.05	43.44	0.30	8	ACP	0.013	429065	0.02	107266	0.09
39	40	Lake Point Dr.	48.50	53	32	6		60	170		1020	10200	264	43.44	42.65	0.30	8	ACP	0.013	427116	0.02	106779	0.10
40	40	Lake Point Dr.	47.20	32	33	6		136	170		1020	23120	198	42.48	42.12	0.18	10	ACP	0.013	603642	0.04	150910	0.15
40	40	Lake Point Dr.	47.00	33	34	4		140	170		680	23800	121	42.12	41.90	0.18	10	ACP	0.013	603642	0.04	150910	0.16
40	40	Offroad	46.59	34	39	0		140	170		0	23800	262	41.90	41.44	0.18	10	ACP	0.013	593183	0.04	148296	0.16
40	40	Edinburgh Ct.	51.50	40	39	14		14	170		2380	2380	230	48.48	42.61	2.55	8	ACP	0.013	1247353	0.00	311838	0.01
40	40	Edinburgh Ct.	47.00	39	44	6		600	170		1020	102000	180	40.61	40.25	0.20	12	ACP	0.013	1029499	0.10	257375	0.40
40	40	Offroad	44.60	44	45	0		600	170		0	102000	328	40.25	39.87	0.12	12	ACP	0.013	783548	0.13	195887	0.52
40	40	Cambridge Ct.		49	48	18		18	170		3060	3060	134	47.87	46.53	1.00	8	PVC	0.010	1015027	0.00	253757	0.01
40	40	Cambridge Ct.	51.50	48	46	0		18	170		0	3060	129	46.43	43.77	2.06	8	PVC	0.010	1457550	0.00	364387	0.01
40	40	Cambridge Ct.	48.20	47	46	12		12	170		2040	2040	186	44.14	43.77	0.20	8	PVC	0.010	452712	0.00	113178	0.02
40	40	Cambridge Ct.	48.20	46	45	12		42	170		2040	7140	88	42.97	39.87	3.52	8	PVC	0.010	1905096	0.00	476274	0.01
40	40	Cambridge Ct.	41.87	45	50	0		42	170		0	7140	155	39.87	39.65	0.14	12	PVC	0.010	1127456	0.01	281864	0.03
40	40	Cambridge Ct.	50.10	53	51	8		8	170		1360	1360	139	45.90	45.27	0.45	8	PVC	0.010	683345	0.00	170836	0.01
40	40	Cambridge Ct.	49.10	52	51	18		18	170		3060	3060	149	46.30	45.27	0.69	8	PVC	0.010	843923	0.00	210981	0.01
40	40	Cambridge Ct.	48.70	51	50	12		38	170		2040	6460	113	45.27	41.65	3.20	8	PVC	0.010	1816739	0.00	454185	0.01
40	40	Offroad	45.70	50	57	0		80	170		0	13600	300	41.65	39.23	0.81	12	PVC	0.010	2687826	0.01	671957	0.02
40	40	Offroad	45.80	57	58	0		80	170		0	13600	290	39.23	38.83	0.14	12	ACP	0.013	854952	0.02	213738	0.06
40	40	Buckingham Dr.		60	59	8		8	170		1360	1360	190	44.35	41.97	1.25	8	PVC	0.010	1136028	0.00	284007	0.00
40	40	Buckingham Dr.	47.00	59	58	0		8	170		0	1360	230	41.97	38.83	1.37	8	PVC	0.010	1185983	0.00	296496	0.00
40	40	Buckingham Dr.	44.00	58	61	0		88	170		0	14960	160	38.83	38.65	0.11	12	ACP	0.013	772124	0.02	193031	0.08
40	40	Buckingham Dr.		61	62	0		88	170		0	14960	50	38.65	38.59	0.12	12	ACP	0.013	797446	0.02	199362	0.08
40	40	Buckingham Dr.	44.00	62	30	1		89	3000		3000	17960	238	38.59	37.86	0.31	12	ACP	0.013	1274922	0.01	318731	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	60.95	46	47	8		8	170		1360	1360	157	56.56	55.64	0.59	8	ACP	0.013	597693	0.00	149423	0.01
50	50	Chesire Ct.	60.20	47	48	2		10	170		340	1700	120	55.64	55.16	0.40	8	ACP	0.013	493815	0.00	123454	0.01
50	54	Chesire Ct.	59.58	48	1	8		18	170		1360	3060	230	55.16	54.24	0.40	8	ACP	0.013	493815	0.01	123454	0.02
50	54	Chesire Ct.	59.02	49	1	16		16	170		2720	2720	195	56.02	54.24	0.91	8	ACP	0.013	745979	0.00	186495	0.01
54	54	Chesire Ct.	59.32	1	2	2		36	170		340	6120	134	54.24	53.70	0.40	8	ACP	0.013	495654	0.01	123913	0.05
54	54	Offroad	57.80	2	3	10		46	170		1700	7820	210	53.70	52.65	0.50	8	ACP	0.013	552102	0.01	138025	0.06
54	54	Chatham Ct.	56.00	3	4	8		54	170		1360	9180	193	52.55	51.58	0.50	8	ACP	0.013	553530	0.02	138383	0.07
54	54	Chatham Ct.	54.75	4	5	10		64	170		1700	10880	124	51.48	50.86	0.50	8	ACP	0.013	552102	0.02	138025	0.08
54	55	Chatham Ct.	54.10	5	1	4		68	170		680	11560	202	50.76	49.75	0.50	8	ACP	0.013	552102	0.02	138025	0.08
55	55	Chatham Ct.	54.20	1	2	10		78	170		1700	13260	312	49.65	48.09	0.50	8	ACP	0.013	552102	0.02	138025	0.10
54	55	Chatham Ct.		6	2	16		16	170		2720	2720	294	48.46	47.65	0.28	12	ACP	0.013	1208313	0.00	302078	0.01
55	55	Chatham Ct.	52.45	2	3	6		100	170		1020	17000	238	47.55	47.17	0.16	12	ACP	0.013	919844	0.02	229961	0.07
55	55	Dorchester Dr.	53.50	6	5	12		12	170		2040	2040	339	50.47	49.11	0.40	8	ACP	0.013	494543	0.00	123636	0.02
55	55	Dorchester Dr.	52.60	5	4	0		12	170		0	2040	192	49.11	48.35	0.40	8	ACP	0.013	491236	0.00	122809	0.02
55	55	Dorchester Dr.	51.01	4	3	0		12	170		0	2040	277	48.35	47.52	0.30	8	ACP	0.013	427399	0.00	106850	0.02
55	51	Portsmouth Dr.		3	25	0		112	170		0	19040	170	47.17	46.90	0.16	12	ACP	0.013	917420	0.02	229355	0.08
50	50	Chatham Ct.	56.10	50	51	14		14	170		2380	2380	200	51.00	46.79	2.11	8	ACP	0.013	1132818	0.00	283204	0.01
50	50	Chatham Ct.	54.03	52	51	14		14	170		2380	2380	162	50.37	49.79	0.36	8	ACP	0.013	467187	0.01	116797	0.02
50	51	Chatham Ct.	55.00	51	27	8		36	170		1360	6120	134	49.69	49.40	0.22	8	ACP	0.013	363229	0.02	90807	0.07
51	51	Chatham Ct.	54.38	27	26	10		46	170		1700	7820	216	49.21	48.43	0.36	8	ACP	0.013	469196	0.02	117299	0.07
51	51	Portsmouth Dr.	53.35	26	25	12		58	170		2040	9860	324	48.38	47.20	0.36	8	ACP	0.013	471197	0.02	117799	0.08
51	51	Portsmouth Dr.		25	24	0		170	170		0	28900	210	46.87	46.55	0.15	12	ACP	0.013	898620	0.03	224655	0.13
51	51	Portsmouth Dr.	50.50	24	23	1		171	3000		3000	31900	256	46.51	46.01	0.20	12	ACP	0.013	1017363	0.03	254341	0.13
51	51	Chesterfield Ct.	48.76	23	22	12		183	170		2040	33940	375	46.01	45.41	0.16	12	ACP	0.013	920812	0.04	230203	0.15
51	51	Dorchester Dr.	47.52	22	21	12		195	170		2040	35980	272	45.41	44.97	0.16	12	ACP	0.013	925876	0.04	231469	0.16
51	51	Dorchester Dr.	47.76	21	20	8		203	170		1360	37340	235	44.87	44.59	0.12	12	ACP	0.013	794613	0.05	198653	0.19
51	51	Dorchester Dr.	48.35	20	19	2		205	170		340	37680	130	44.49	44.28	0.16	12	ACP	0.013	925228	0.04	231307	0.16
51	51	Dorchester Dr.	47.40	19	16	4		209	170		680	38360	165	44.18	44.02	0.10	12	ACP	0.013	716851	0.05	179213	0.21
51	51	Cantebury Ct.	49.32	18	17	16		16	170		2720	2720	127	45.18	44.80	0.30	8	ACP	0.013	427095	0.01	106774	0.03
51	51	Cantebury Ct.	48.03	17	16	6		22	170		1020	3740	160	44.73	44.25	0.30	8	ACP	0.013	427656	0.01	106914	0.03
51	51	Cantebury Ct.	47.22	16	4	0		231	170		0	42100	374	43.92	43.30	0.17	12	ACP	0.013	937283	0.04	234321	0.18
49	49	Sheffield Ct.	97.00	10	9	12		12	170		2040	2040	150	91.89	90.09	1.20	8	ACP	0.013	855312	0.00	213828	0.01
49	50	Sheffield Ct.	96.10	9	35	2		14	170		340	2380	116	89.99	88.60	1.20	8	ACP	0.013	854698	0.00	213674	0.01
50	50	Sheffield Ct.	95.23	35	34	10		24	170		1700	4080	127	85.49	83.96	1.20	8	ACP	0.013	856994	0.00	214249	0.02
50	50	Sheffield Ct.	90.80	34	33	10		34	170		1700	5780	240	81.96	80.76	0.50	8	ACP	0.013	552102	0.01	138025	0.04
50	50	Portsmith Dr.	87.00	33	32	12		46	170		2040	7820	208	80.66	77.75	1.40	8	ACP	0.013	923526	0.01	230881	0.03
50	50	Portsmith Dr.	84.40	32	31	6		52	170		1020	8840	270	77.65	70.90	2.50	8	ACP	0.013	1234537	0.01	308634	0.03
50	50	Thornbury Ct.	77.34	31	30	6		58	170		1020	9860	180	70.80	65.40	3.00	8	ACP	0.013	1352367	0.01	338092	0.03
50	50	Thornbury Ct.	71.79	30	26	8		66	170		1360	11220	241	65.40	61.78	1.50	8	ACP	0.013	956929	0.01	239232	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Thornbury Ct.	78.64	29	28	18		18	170		3060	3060	225	73.40	66.68	2.99	8	ACP	0.013	1349359	0.00	337340	0.01
50	50	Thornbury Ct.	73.00	28	27	10		28	170		1700	4760	180	66.58	64.08	1.39	8	ACP	0.013	920169	0.01	230042	0.02
50	50	Thornbury Ct.	68.83	27	26	6		34	170		1020	5780	165	63.98	59.78	2.55	8	ACP	0.013	1245709	0.00	311427	0.02
50	50	Thornbury Ct.	66.70	26	25	2		102	170		340	17340	110	59.78	59.30	0.44	8	ACP	0.013	515773	0.03	128943	0.13
50	50	Thornbury Ct.	64.45	25	23	0		102	170		0	17340	298	59.30	57.80	0.50	8	ACP	0.013	553951	0.03	138488	0.13
50	50	Portsmouth Dr.	63.70	24	23	20		20	170		3400	3400	105	58.50	57.80	0.67	8	ACP	0.013	637512	0.01	159378	0.02
50	50	Portsmouth Dr.	61.65	23	22	0		122	170		0	20740	75	57.80	57.42	0.51	8	ACP	0.013	555770	0.04	138943	0.15
49	49	Sheffield Ct.	103.60	8	7	14		14	170		2380	2380	274	96.61	92.18	1.62	8	ACP	0.013	992797	0.00	248199	0.01
49	49	Sheffield Ct.	96.75	7	6	8		22	170		1360	3740	216	92.08	88.84	1.50	8	ACP	0.013	956268	0.00	239067	0.02
49	50	Sheffield Ct.	94.10	6	1	2		24	170		340	4080	134	88.74	80.80	5.93	8	ACP	0.013	1900605	0.00	475151	0.01
50	50	Sheffield Ct.	89.80	1	2	10		34	170		1700	5780	125	80.63	79.13	1.20	8	ACP	0.013	855312	0.01	213828	0.03
49	50	Sheffield Ct.	87.90	5	2	26		26	170		4420	4420	270	83.45	79.70	1.39	8	ACP	0.013	920169	0.00	230042	0.02
50	50	Sheffield Ct.	86.00	2	3	6		66	170		1020	11220	195	78.96	77.01	1.00	8	ACP	0.013	780790	0.01	195197	0.06
50	50	Sheffield Ct.	82.70	3	4	12		78	170		2040	13260	241	76.91	75.46	0.60	8	ACP	0.013	605633	0.02	151408	0.09
50	50	Dartmoor Ct.	79.80	4	5	6		84	170		1020	14280	186	75.46	74.34	0.60	8	ACP	0.013	605880	0.02	151470	0.09
50	50	Dartmoor Ct.	78.20	5	6	10		94	170		1700	15980	110	74.24	73.69	0.50	8	ACP	0.013	552102	0.03	138025	0.12
50	50	Dartmoor Ct.	79.00	6	7	8		102	170		1360	17340	210	73.59	70.44	1.50	8	ACP	0.013	956268	0.02	239067	0.07
50	50	Dartmoor Ct.	76.40	7	8	12		114	170		2040	19380	156	70.34	68.00	1.50	8	ACP	0.013	956268	0.02	239067	0.08
50	50	Dartmoor Ct.	87.70	11	10	16		16	170		2720	2720	418	84.06	75.28	2.10	6	ACP	0.013	525440	0.01	131360	0.02
50	50	Dartmoor Ct.	78.80	10	9	8		24	170		1360	4080	200	75.28	68.97	3.15	6	ACP	0.013	643324	0.01	160831	0.03
50	50	Dartmoor Ct.	74.60	9	8	2		26	170		340	4420	162	68.97	68.00	0.60	8	ACP	0.013	604175	0.01	151044	0.03
50	50	Thornbury Ct.	74.00	8	12	10		150	170		1700	25500	203	67.77	64.72	1.50	8	ACP	0.013	957053	0.03	239263	0.11
50	50	Thornbury Ct.	69.40	13	12	10		10	170		1700	1700	145	64.97	64.24	0.50	8	ACP	0.013	554002	0.00	138501	0.01
50	50	Thornbury Ct.	69.45	12	14	10		170	170		1700	28900	225	63.72	61.47	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	66.13	14	15	0		170	170		0	28900	38	61.38	61.00	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	65.00	15	16	0		170	170		0	28900	152	60.84	60.23	0.40	8	ACP	0.013	494626	0.06	123657	0.23
50	50	Thornbury Ct.	67.50	18	17	20		20	170		3400	3400	224	63.02	61.40	0.72	8	ACP	0.013	663999	0.01	166000	0.02
50	50	Thornbury Ct.	64.75	17	16	6		26	170		1020	4420	235	61.40	60.23	0.50	8	ACP	0.013	550926	0.01	137731	0.03
50	50	Thornbury Ct.	64.67	16	19	10		206	170		1700	35020	235	60.23	59.15	0.46	8	ACP	0.013	529312	0.07	132328	0.26
50	50	Thornbury Ct.	64.55	19	20	8		214	170		1360	36380	394	58.97	57.20	0.45	8	ACP	0.013	523326	0.07	130832	0.28
50	50	Thornbury Ct.	65.60	21	20	18		18	170		3060	3060	382	61.02	57.20	1.00	8	ACP	0.013	780790	0.00	195197	0.02
50	50	Thornbury Ct.	62.45	20	22	0		232	170		0	39440	100	57.00	56.50	0.50	8	ACP	0.013	552102	0.07	138025	0.29
50	50	Portsmouth Dr.	60.70	22	36	0		354	170		0	60180	223	56.50	55.18	0.59	8	ACP	0.013	600715	0.10	150179	0.40
50	50	Portsmouth Dr.	60.95	37	36	14		14	170		2380	2380	110	56.28	55.18	1.00	8	ACP	0.013	780790	0.00	195197	0.01
50	50	Portsmouth Dr.	59.28	36	38	4		372	170		680	63240	146	54.98	54.40	0.40	8	ACP	0.013	492121	0.13	123030	0.51
50	50	Portsmouth Dr.	58.60	38	39	0		372	170		0	63240	210	54.40	53.56	0.40	8	ACP	0.013	493815	0.13	123454	0.51

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	59.15	40	39	12		12	170		2040	2040	144	54.28	53.56	0.50	8	ACP	0.013	552102	0.00	138025	0.01
50	50	Portsmouth Dr.	57.52	39	41	0		384	170		0	65280	122	53.56	53.07	0.40	8	ACP	0.013	494826	0.13	123706	0.53
50	50	Portsmouth Dr.	56.88	41	42	10		394	170		1700	66980	128	53.07	51.79	1.00	8	ACP	0.013	780790	0.09	195197	0.34
50	50	Picardy Ct.	55.75	42	43	20		414	170		3400	70380	172	50.79	50.10	0.40	8	ACP	0.013	494532	0.14	123633	0.57
50	50	Picardy Ct.	54.42	43	44	14		428	170		2380	72760	312	50.00	48.76	0.40	8	ACP	0.013	492229	0.15	123057	0.59
50	50	Picardy Ct.	53.75	44	45	6		434	170		1020	73780	336	48.71	47.97	0.22	10	ACP	0.013	664365	0.11	166091	0.44
50	51	Picardy Ct.	53.00	45	15	6		440	170		1020	74800	213	47.97	47.51	0.22	10	ACP	0.013	657885	0.11	164471	0.45
51	51	Chesterfield Ct.	53.00	15	14	2		442	170		340	75140	145	47.51	47.18	0.23	10	ACP	0.013	675358	0.11	168839	0.45
51	51	Chesterfield Ct.	52.20	14	13	12		454	170		2040	77180	217	47.18	46.71	0.22	10	ACP	0.013	658840	0.12	164710	0.47
51	51	Chesterfield Ct.	50.10	13	12	4		458	170		680	77860	226	46.71	46.26	0.20	10	ACP	0.013	631703	0.12	157926	0.49
51	51	Chesterfield Ct.	50.66	12	11	28		486	170		4760	82620	141	46.26	45.95	0.22	10	ACP	0.013	663792	0.12	165948	0.50
51	51	Offroad		11	10	6		492	170		1020	83640	200	45.95	45.51	0.22	10	ACP	0.013	664006	0.13	166002	0.50
51	51	Coventry Ct.	49.60	10	9	8		500	170		1360	85000	220	45.51	45.03	0.22	10	ACP	0.013	661257	0.13	165314	0.51
51	51	Coventry Ct.	50.74	9	8	6		506	170		1020	86020	255	45.03	44.47	0.22	10	ACP	0.013	663414	0.13	165854	0.52
51	51	Coventry Ct.	50.42	8	7	12		518	170		2040	88060	108	44.47	44.23	0.22	10	ACP	0.013	667351	0.13	166838	0.53
51	51	Coventry Ct.	48.96	7	5	10		528	170		1700	89760	183	44.23	43.83	0.22	10	ACP	0.013	661859	0.14	165465	0.54
51	51	Coventry Ct.	48.20	6	5	10		10	170		1700	1700	73	44.52	44.00	0.71	8	ACP	0.013	658983	0.00	164746	0.01
51	51	Coventry Ct.	47.92	5	4	8		546	170		1360	92820	120	43.83	43.57	0.22	10	ACP	0.013	658957	0.14	164739	0.56
51	51	Dorchester Dr.	47.21	4	3	4		781	170		680	135600	242	43.30	43.06	0.10	12	ACP	0.013	724951	0.19	181238	0.75
51	51	Dorchester Dr.	46.60	3	2	4		785	170		680	136280	129	43.06	42.88	0.14	12	ACP	0.013	859908	0.16	214977	0.63
51	46	Dorchester Dr.	47.85	2	70	8		793	170		1360	137640	250	42.78	42.47	0.12	12	ACP	0.013	810628	0.17	202657	0.68
51	46	Dorchester Dr.	50.87	1	72	26		26	170		4420	4420	288	47.32	45.88	0.50	8	ACP	0.013	552102	0.01	138025	0.03
46	46	Pine Acres	NEW	NEW	73	395		395	1000		395000	395000											
46	46	Dorchester Dr.	52.00	73	72	22		417	170		3740	398740	234	47.72	45.85	0.80	8	ACP	0.013	697986	0.57	174497	2.29
46	46	Dorchester Dr.		72	71	16		459	170		2720	405880	195	44.58	43.80	0.40	8	ACP	0.013	493815	0.82	123454	3.29
46	46	Dorchester Dr.	49.10	71	70	0		459	170		0	405880	235	43.75	42.80	0.40	8	ACP	0.013	496434	0.82	124109	3.27
46	46	Dorchester Dr.	47.50	70	69	8		1260	170		1360	544880	254	42.47	42.11	0.14	12	ACP	0.013	866653	0.63	216663	2.51
46	46	Dorchester Dr.	50.70	69	67	4		1264	170		680	545560	200	42.11	41.83	0.14	12	ACP	0.013	861340	0.63	215335	2.53
46	46	Dorchester Dr.	47.80	68	67	16		16	170		2720	2720	306	44.00	42.16	0.60	8	ACP	0.013	605456	0.00	151364	0.02
46	46	Dorchester Dr.	47.40	67	66	4		1284	170		680	548960	71	41.83	41.73	0.14	12	ACP	0.013	863936	0.64	215984	2.54
46	46	Dorchester Dr.	46.90	66	63	0		1284	170		0	548960	145	41.73	41.53	0.14	12	ACP	0.013	854952	0.64	213738	2.57
51	46	Cantebury Ct.	48.66	28	65	26	2	26	170	1000	6420	6420	400	44.73	43.53	0.30	8	ACP	0.013	427656	0.02	106914	0.06
46	46	Cantebury Ct.	46.63	65	64	4		30	170		680	7100	270	43.53	42.72	0.30	8	ACP	0.013	427656	0.02	106914	0.07
46	46	Offroad	47.20	64	63	0		30	170		0	7100	447	42.72	41.78	0.21	8	CIP	0.013	358050	0.02	89513	0.08
46	46	Offroad	46.05	63	52	0		1314	170		0	556060	157	41.53	41.31	0.14	12	ACP	0.013	861732	0.65	215433	2.58
46	46	Dorchester Dr.		62	61	12		12	170		2040	2040	171	52.20	51.51	0.40	8	PVC	0.010	644769	0.00	161192	0.01
46	46	Dorchester Dr.		61	60	6		18	170		1020	3060	145	51.51	50.93	0.40	8	PVC	0.010	641959	0.00	160490	0.02
46	46	Dorchester Dr.		60	59	8		26	170		1360	4420	115	50.93	50.47	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		59	58	6		32	170		1020	5440	145	50.47	49.89	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		58	57	12		44	170		2040	7480	355	49.89	48.47	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Dorchester Dr.	51.90	57	53	8		52	170		1360	8840	220	48.14	47.48	0.30	8	PVC	0.010	555953	0.02	138988	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Dorchester Dr.	56.10	56	55	16		16	170		2720	2720	96	51.69	51.57	0.12	8	PVC	0.010	358866	0.01	89717	0.03
46	46	Dorchester Dr.	56.10	55	54	0		16	170		0	2720	155	51.40	50.11	0.83	8	PVC	0.010	925990	0.00	231498	0.01
46	46	Dorchester Dr.	54.40	54	53	10		26	170		1700	4420	140	50.11	47.98	1.52	8	PVC	0.010	1251997	0.00	312999	0.01
46	46	Dorchester Dr.	50.80	53	52	4		82	170		680	13940	125	47.48	47.11	0.30	8	PVC	0.010	552234	0.03	138059	0.10
46	46	Dorchester Dr.	51.00	52	50	6	2	1402	170	1000	3020	573020	349	46.77	43.80	0.85	12	ACP	0.013	2123617	0.27	530904	1.08
46	46	Dorchester Dr.	53.10	51	50	10		10	170		1700	1700	249	47.77	43.80	1.59	8	PVC	0.010	1281661	0.00	320415	0.01
46	46	Dorchester Dr.	?	50	48	0		1412	170		0	574720	140	40.80	40.57	0.16	12	ACP	0.013	933062	0.62	233266	2.46
46	46	Dorchester Dr.		49	48	12		12	170		2040	2040	300	42.29	41.08	0.40	8	PVC	0.010	644628	0.00	161157	0.01
46	46	Dorchester Dr.		48	47	12		1436	170		2040	578800	235	40.57	40.25	0.14	12	ACP	0.013	849477	0.68	212369	2.73
46	46	Dorchester Dr.		47	29	12		1448	170		2040	580840	230	40.25	39.92	0.14	12	ACP	0.013	871975	0.67	217994	2.66
45	45	Farrington Ct	54.85	33	34	28		28	170		4760	4760	170	49.75	48.90	0.50	8	PVC	0.010	717732	0.01	179433	0.03
46	45	Farrington Ct	54.85	46	34	14		14	170		2380	2380	100	49.88	48.90	0.98	8	PVC	0.010	1004825	0.00	251206	0.01
45	46	Farrington Ct	53.10	34	45	0		42	170		0	7140	143	48.80	48.23	0.40	8	PVC	0.010	640836	0.01	160209	0.04
46	46	Farrington Ct	53.92	45	44	8		50	170		1360	8500	120	48.13	47.65	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Farrington Ct	54.70	44	43	12		62	170		2040	10540	133	47.55	47.02	0.40	8	PVC	0.010	640751	0.02	160188	0.07
46	46	Farrington Ct	53.64	43	42	6		68	170		1020	11560	264	46.92	45.82	0.42	8	ACP	0.013	503998	0.02	125999	0.09
45	45	Farrington Ct	54.35	31	32	10		10	170		1700	1700	210	47.82	46.80	0.49	8	ACP	0.013	544157	0.00	136039	0.01
45	46	Farrington Ct	46.90	32	42	8		18	170		1360	3060	245	46.80	45.82	0.40	8	ACP	0.013	493815	0.01	123454	0.02
46	46	Farrington Ct	50.20	42	41	4		90	170		680	15300	94	45.77	45.48	0.31	8	ACP	0.013	433680	0.04	108420	0.14
46	46	Farrington Ct	50.86	41	40	0		90	170		0	15300	150	45.48	45.03	0.30	8	ACP	0.013	427656	0.04	106914	0.14
46	46	Offroad		40	38	0		90	170		0	15300	70	44.98	44.75	0.33	8	ACP	0.013	447558	0.03	111889	0.14
46	46	Dorchester Dr.		39	38	12		12	170		2040	2040	148	48.32	45.75	1.74	8	PVC	0.010	1337560	0.00	334390	0.01
46	46	Dorchester Dr.		38	37	0		102	170		0	17340	165	44.75	44.25	0.30	8	PVC	0.010	558754	0.03	139688	0.12
46	46	Dorchester Dr.		37	36	12		114	170		2040	19380	258	44.25	43.48	0.30	8	PVC	0.010	554515	0.03	138629	0.14
46	46	Dorchester Dr.		36	34	6		120	170		1020	20400	169	43.48	42.97	0.30	8	PVC	0.010	557595	0.04	139399	0.15
46	46	Dorchester Dr.		35	34	10		10	170		1700	1700	176	50.33	43.97	3.61	8	PVC	0.010	1929522	0.00	482380	0.00
46	46	Dorchester Dr.		34	33	0		130	170		0	22100	125	42.97	42.59	0.30	8	PVC	0.010	559647	0.04	139912	0.16
46	46	Dorchester Dr.	49.50	33	31	10		140	170		1700	23800	181	42.59	42.00	0.33	8	PVC	0.010	579514	0.04	144879	0.16
46	46	Dorchester Dr.	50.50	32	31	10		10	170		1700	1700	213	47.50	43.05	2.09	8	PVC	0.010	1467127	0.00	366782	0.00
46	46	Dorchester Dr.	47.80	31	30	0		150	170		0	25500	172	42.00	40.53	0.85	8	PVC	0.010	938365	0.03	234591	0.11
46	46	Buckingham Dr.	44.50	30	29	0		150	170		0	25500	100	40.53	40.38	0.15	8	PVC	0.010	393118	0.06	98280	0.26
46	46	Buckingham Dr.		29	28	0		1598	170		0	606340	38	39.92	39.87	0.14	12	ACP	0.013	851571	0.71	212893	2.85
46	46	Buckingham Dr.		28	27	0		1598	170		0	606340	51	39.87	39.80	0.14	12	ACP	0.013	852854	0.71	213214	2.84

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Eidenburgh Ct.	54.40	1	2	8		8	170		1360	1360	180	50.26	49.63	0.35	8	PVC	0.010	600498	0.00	150124	0.01
46	46	Eidenburgh Ct.	53.84	2	3	8		16	170		1360	2720	172	49.53	48.81	0.42	8	PVC	0.010	656719	0.00	164180	0.02
46	46	Eidenburgh Ct.	53.55	3	4	8		24	170		1360	4080	160	48.71	48.05	0.41	8	PVC	0.010	651913	0.01	162978	0.03
46	46	Eidenburgh Ct.		4	5	4		28	170		680	4760	115	47.98	47.50	0.42	8	PVC	0.010	655766	0.01	163942	0.03
46	46	Eidenburgh Ct.	50.50	5	6	14		42	170		2380	7140	302	47.11	45.87	0.41	8	PVC	0.010	650406	0.01	162602	0.04
46	46	Eidenburgh Ct.	52.18	6	7	4		46	170		680	7820	96	45.77	45.37	0.42	8	PVC	0.010	655197	0.01	163799	0.05
46	46	Eidenburgh Ct.		7	8	12		58	170		2040	9860	150	45.17	44.86	0.21	8	PVC	0.010	461437	0.02	115359	0.09
46	46	Eidenburgh Ct.		8	9	0		58	170		0	9860	42	44.69	44.56	0.31	8	PVC	0.010	564709	0.02	141177	0.07
46	46	Eidenburgh Ct.		9	10	18		76	170		3060	12920	157	44.56	44.06	0.32	8	PVC	0.010	572813	0.02	143203	0.09
46	46	Offroad	49.25	10	11	6		82	170		1020	13940	147	44.06	43.59	0.32	8	PVC	0.010	573942	0.02	143485	0.10
40	40	Eidenburgh Ct.		41	42	36		36	170		6120	6120	300	49.80	48.59	0.40	8	PVC	0.010	644628	0.01	161157	0.04
40	46	Eidenburgh Ct.	52.10	42	15	12		48	170		2040	8160	180	48.42	47.20	0.68	8	PVC	0.010	835644	0.01	208911	0.04
40	46	Cambridge Ct.	50.50	43	15	16		16	170		2720	2720	130	47.89	47.20	0.53	8	PVC	0.010	739487	0.00	184872	0.01
46	46	Eidenburgh Ct.	51.00	15	14	0		64	170		0	10880	49	47.20	46.59	1.24	8	PVC	0.010	1132516	0.01	283129	0.04
46	46	Eidenburgh Ct.	50.60	14	13	6		70	170		1020	11900	144	46.59	44.48	1.47	8	PVC	0.010	1228676	0.01	307169	0.04
46	46	Eidenburgh Ct.		13	12	6		76	170		1020	12920	110	44.48	44.13	0.32	8	PVC	0.010	572552	0.02	143138	0.09
46	46	Eidenburgh Ct.		12	11	4		80	170		680	13600	168	44.13	43.59	0.32	8	PVC	0.010	575466	0.02	143866	0.09
46	46	Eidenburgh Ct.		11	17	6		168	170		1020	28560	130	43.59	43.18	0.32	8	PVC	0.010	570030	0.05	142507	0.20
46	46	Eidenburgh Ct.		17	18	6		174	170		1020	29580	244	43.18	42.39	0.32	8	PVC	0.010	577559	0.05	144390	0.20
46	46	Eidenburgh Ct.		18	19	12		186	170		2040	31620	150	42.39	41.91	0.32	8	PVC	0.010	574186	0.06	143546	0.22
46	46	Eidenburgh Ct.		19	20	6		192	170		1020	32640	150	41.91	41.43	0.32	8	PVC	0.010	574186	0.06	143546	0.23
46	46	Eidenburgh Ct.		20	21	6		198	170		1020	33660	53	41.43	41.26	0.32	8	PVC	0.010	574862	0.06	143716	0.23
40	40	Cambridge Ct.	54.60	54	56	12		12	170		2040	2040	141	50.78	48.52	1.60	8	PVC	0.010	1285056	0.00	321264	0.01
40	40	Cambridge Ct.	50.60	55	56	12		12	170		2040	2040	145	48.01	46.62	0.96	8	PVC	0.010	993804	0.00	248451	0.01
40	46	Cambridge Ct.	51.30	56	21	0		24	170		0	4080	213	46.52	43.26	1.53	8	PVC	0.010	1255730	0.00	313933	0.01
46	46	Cambridge Ct.	48.20	21	22	0		222	170		0	37740	82	41.26	41.00	0.32	8	PVC	0.010	571554	0.07	142888	0.26
46	46	Cambridge Ct.	48.40	22	23	10		232	170		1700	39440	150	41.00	40.52	0.32	8	PVC	0.010	574186	0.07	143546	0.27
46	46	Cambridge Ct.		24	23	10		10	170		1700	1700	139	45.16	42.52	1.90	8	PVC	0.010	1398853	0.00	349713	0.00
46	46	Cambridge Ct.		23	27	0		242	170		0	41140	122	40.52	40.13	0.32	8	PVC	0.010	573892	0.07	143473	0.29
46	46	Buckingham Dr.		27	26	1	1	1841	300	1000	1300	648780	270	39.80	39.40	0.15	12	ACP	0.013	886051	0.73	221513	2.93
46	40	Buckingham Dr.		26	70	0		1841	170		0	648780	290	39.40	38.99	0.14	12	ACP	0.013	865573	0.75	216393	3.00
46	40	Buckingham Dr.		25	71	12		12	170		2040	2040	198	41.97	41.17	0.40	8	PVC	0.010	645193	0.00	161298	0.01
40	40	Buckingham Dr.		71	70	4		16	170		680	2720	45	41.17	40.99	0.40	8	PVC	0.010	641959	0.00	160490	0.02
40	40	Buckingham Dr.		66	67	8		8	170		1360	1360	163	46.32	45.67	0.40	8	PVC	0.010	640974	0.00	160243	0.01
40	40	Buckingham Dr.		67	68	4		12	170		680	2040	180	45.67	44.95	0.40	8	PVC	0.010	641959	0.00	160490	0.01
40	40	Buckingham Dr.	49.59	69	68	8		8	170		1360	1360	155	45.37	44.95	0.27	8	PVC	0.010	528368	0.00	132092	0.01
40	40	Buckingham Dr.	49.00	68	70	4		24	170		680	4080	142	44.95	40.99	2.79	8	PVC	0.010	1695044	0.00	423761	0.01
40	40	Buckingham Dr.	45.73	70	64	0	4	1881	170	1000	4000	659580	378	38.99	38.47	0.14	12	ACP	0.013	853820	0.77	213455	3.09
40	40	Buckingham Dr.	42.23	64	30	0		1881	170		0	659580	195	38.47	38.19	0.14	12	ACP	0.013	872313	0.76	218078	3.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Buckingham Dr.		65	63	8		8	170		1360	1360	234	39.89	38.95	0.40	8	ACP	0.013	494869	0.00	123717	0.01
40	40	Buckingham Dr.		63	30	2		10	170		340	1700	105	38.95	38.53	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Buckingham Dr.	41.70	30	29	2		1982	170		340	679580	255	37.86	37.49	0.15	16	ACP	0.013	1888476	0.36	472119	1.44
40	40	Buckingham Dr.	40.32	29	28	0		1982	170		0	679580	400	37.49	36.77	0.18	16	ACP	0.013	2103376	0.32	525844	1.29
40	40	Buckingham Dr.	39.72	28	22	0		1982	170		0	679580	310	36.77	36.15	0.20	16	ACP	0.013	2217153	0.31	554288	1.23
40	40	Buckingham Dr.	41.95	22	23	1		2239	3000		3000	733000	230	36.15	35.63	0.23	16	ACP	0.013	2357320	0.31	589330	1.24
40	40	Buckingham Dr.	40.00	23	24	0		2239	170		0	733000	19	35.46	35.40	0.32	18	DIP	0.013	3814049	0.19	953512	0.77
40	40	Buckingham Dr.	38.56	24	25	0		2239	170		0	733000	162.5	28.24	23.74	2.77	18	DIP	0.013	11294501	0.06	2823625	0.26
38	38	Chestnut St.	68.24	3	2	3		3	2000		6000	6000	300	59.35	57.92	0.48	8	PVC	0.010	700785	0.01	175196	0.03
38	38	Chestnut St.	64.20	2	1	1		4	2000		2000	8000	32	57.92	55.83	6.53	8	PVC	0.010	2594034	0.00	648508	0.01
38	38	Chestnut St.	NEW	NEW	1	896		896	Varies		440737	440737											
38	38	Chestnut St.	64.11	1	4	71	60	971	525	1000	97275	546012	266	52.06	51.39	0.25	12	PVC	0.010	1501933	0.36	375483	1.45
38	38	Chestnut St.	62.94	4	5	3	11	974	2000	1000	17000	563012	266	51.33	50.59	0.28	12	PVC	0.010	1578444	0.36	394611	1.43
38	38	Chestnut St.	61.94	5	6	3		977	2000		6000	569012	312	50.58	49.01	0.50	12	PVC	0.010	2122886	0.27	530721	1.07
38	38	Chestnut St.	60.92	7	6	1		1	2000		2000	2000	69	51.48	50.03	2.10	8	PVC	0.010	1471421	0.00	367855	0.01
38	38	Chestnut St.	61.26	6	8	1		979	2000		2000	573012	275	47.64	46.63	0.37	12	PVC	0.010	1813629	0.32	453407	1.26
38	38	Chestnut St.	60.17	8	9	1		980	2000		2000	575012	215	46.58	45.75	0.39	12	DIP	0.013	1430311	0.40	357578	1.61
32	32	Lisa Robyn Circle	57.66	2	1	4		4	300		1200	1200	230	50.72	49.43	0.56	8	PVC	0.010	760166	0.00	190041	0.01
32	32	Lisa Robyn Circle	55.91	1	3	8	12	12	300	1000	14400	15600	301	49.35	47.90	0.48	8	PVC	0.010	704495	0.02	176124	0.09
32	32	Lisa Robyn Circle	60.31	3	4	0		12	300		0	15600	162	47.86	46.97	0.55	8	PVC	0.010	752341	0.02	188085	0.08
32	38	Lisa Robyn Circle	59.32	4	9	8		20	300		2400	18000	215	46.87	45.90	0.45	8	PVC	0.010	681780	0.03	170445	0.11
38	32	Lisa Robyn Circle	61.10	9	5	4		1004	300		1200	594212	116	45.69	45.35	0.29	12	PVC	0.010	1620185	0.37	405046	1.47
32	32	Lisa Robyn Circle	61.71	5	6	8		1012	300		2400	596612	203	45.32	44.61	0.35	12	PVC	0.010	1769845	0.34	442461	1.35
32	32	Lisa Robyn Circle	60.14	8	7	8		8	300		2400	2400	148	53.76	52.87	0.60	8	PVC	0.010	787121	0.00	196780	0.01
32	33	Lisa Robyn Circle	60.32	7	57	0		8	300		0	2400	54	52.83	52.45	0.70	12	PVC	0.010	2510435	0.00	627609	0.00
33	32	Lisa Robyn Circle	60.56	57	6	0	1	8	300	3000	3000	5400	175	52.41	51.05	0.78	8	PVC	0.010	894804	0.01	223701	0.02
32	39	Lisa Robyn Circle	59.95	6	1	0		1020	300		0	602012	163	44.58	43.76	0.50	12	PVC	0.010	2122596	0.28	530649	1.13
39	39	New Hampshire Ave.	60.06	1	2	2		1022	2000		4000	606012	123	43.61	43.24	0.30	18	PVC	0.010	4839262	0.13	1209815	0.50
39	39	New Hampshire Ave.	59.74	2	3	0		1022	2000		0	606012	265	43.24	42.19	0.40	18	PVC	0.010	5553957	0.11	1388489	0.44
39	39	New Hampshire Ave.	?	3	4	0		1022	2000		0	606012	200	42.14	41.35	0.40	18	PVC	0.010	5545355	0.11	1386339	0.44
37	37	HICKORY COURT	94.63	1	2	22	4	22	225	3000	16950	16950	200	86.86	85.77	0.55	8	PVC	0.010	749334	0.02	187334	0.09
37	37	DEER PATH	93.78	2	3	0		22	225		0	16950	95	85.61	85.06	0.58	8	PVC	0.010	772319	0.02	193080	0.09
37	37	DEER PATH	91.99	3	4	12		34	225		2700	19650	224	84.96	83.64	0.59	8	PVC	0.010	779185	0.03	194796	0.10
37	37	DEER PATH	90.04	5	4	20		20	225		4500	4500	120	84.39	83.63	0.63	8	PVC	0.010	807781	0.01	201945	0.02
37	37	HEMLOCK COURT	91.87	4	6	20		74	225		4500	28650	222	83.54	73.90	4.34	8	PVC	0.010	2115142	0.01	528785	0.05
37	37	DEER PATH	83.25	6	18	0		74	2000		0	28650	36	73.86	73.47	1.08	10	PVC	0.010	1915513	0.01	478878	0.06
37	37	Route 70	80.20	27	26	0	8	0	2000	1000	8000	8000	172	74.89	74.38	0.30	8	PVC	0.010	552711	0.01	138178	0.06
37	37	Route 70	81.57	26	25	0		0	2000		0	8000	39	74.38	74.29	0.23	8	PVC	0.010	487603	0.02	121901	0.07
37	37	Route 70	81.69	25	24	0	2	0	2000	3000	6000	14000	39	74.14	73.89	0.64	8	PVC	0.010	812672	0.02	203168	0.07
37	37	Route 70	81.18	24	23	1	2	1	2000	3000	8000	22000	319	73.84	72.70	0.36	8	PVC	0.010	606785	0.04	151696	0.15
37	37	Route 70	82.44	23	22	0		1	2000		0	22000	25	72.64	72.48	0.64	8	PVC	0.010	812021	0.03	203005	0.11
37	37	Route 70	82.66	22	21	0		1	2000		0	22000	28	72.37	72.32	0.18	8	PVC	0.010	428927	0.05	107232	0.21

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
37	37	Route 70	86.25	19	20	0		0	2000		0	0	95	74.22	73.84	0.40	8	PVC	0.010	641959	0.00	160490	0.00
37	37	Route 70	84.78	20	21	0	3	0	2000	3000	9000	9000	370	73.81	72.33	0.40	8	PVC	0.010	641959	0.01	160490	0.06
37	37	Route 70	83.48	21	18	0		1	2000		0	31000	122	72.20	71.70	0.41	8	PVC	0.010	649804	0.05	162451	0.19
37	37	Route 70	83.15	18	17	0		74	2000		0	59650	244	71.59	70.87	0.30	10	PVC	0.010	999713	0.06	249928	0.24
37	37	Route 70	85.27	17	8	0		74	2000		0	59650	194	70.67	70.05	0.32	10	PVC	0.010	1040397	0.06	260099	0.23
37	37	Route 70	80.75	8	9	1		75	2000		2000	61650	69	70.00	69.98	0.03	12	PVC	0.010	509500	0.12	127375	0.48
43	43	SALVATORE COURT	92.86	13	10	4		4	300		1200	1200	270	86.30	85.24	0.39	8	PVC	0.010	635987	0.00	158997	0.01
43	43	SALVATORE DRIVE	97.61	12	11	4		4	300		1200	1200	95	91.69	88.77	3.07	8	PVC	0.010	1779537	0.00	444884	0.00
43	43	SALVATORE DRIVE	95.65	11	10	1		5	300		300	1500	119	88.70	85.44	2.74	8	PVC	0.010	1680013	0.00	420003	0.00
43	43	SALVATORE DRIVE	95.04	10	9	4	1	13	300	1000	2200	4900	351	84.75	83.01	0.50	8	PVC	0.010	714658	0.01	178665	0.03
43	43	SALVATORE DRIVE	91.92	9	8	3		16	300		900	5800	267	82.67	81.61	0.40	8	PVC	0.010	639550	0.01	159888	0.04
43	43	SALVATORE DRIVE	90.87	8	6	0		16	300		0	5800	58	81.34	81.02	0.55	8	PVC	0.010	753943	0.01	188486	0.03
43	43	VERMONT AVENUE	86.40	7	6	0	11	0	300	1000	11000	11000	251	81.90	80.93	0.39	8	PVC	0.010	630996	0.02	157749	0.07
43	43	VERMONT AVENUE	92.31	6	5	0		16	300		0	16800	295	80.71	77.84	0.97	8	PVC	0.010	1001169	0.02	250292	0.07
43	43	VERMONT AVENUE	90.20	5	4	0		16	300		0	16800	296	77.77	77.55	0.07	8	PVC	0.010	276722	0.06	69180	0.24
43	37	VERMONT AVENUE	89.66	4	13	0		16	300		0	16800	312	77.41	76.00	0.45	8	PVC	0.010	682354	0.02	170588	0.10
43	43	SYMPHONY DRIVE	92.70	15	16	6	2	6	225	1000	3350	3350	220	83.44	81.49	0.89	8	PVC	0.010	955616	0.00	238904	0.01
43	43	SYMPHONY DRIVE	90.82	16	17	14	2	20	225	1000	5150	8500	196	81.37	79.60	0.90	8	PVC	0.010	964575	0.01	241144	0.04
43	43	SYMPHONY DRIVE	88.20	17	28	0		20	225		0	8500	45	79.39	79.15	0.53	8	PVC	0.010	741271	0.01	185318	0.05
43	43	SYMPHONY DRIVE	87.45	28	18	0		20	225		0	8500	84	78.99	78.54	0.54	8	PVC	0.010	742923	0.01	185731	0.05
43	43	SYMPHONY DRIVE	91.95	14	21	12	4	12	225	1000	6700	6700	217	82.60	80.37	1.03	8	PVC	0.010	1028964	0.01	257241	0.03
43	43	SYMPHONY DRIVE	89.35	21	20	18	2	30	225	1000	6050	12750	198	80.26	79.41	0.43	8	PVC	0.010	665050	0.02	166262	0.08
43	43	SYMPHONY DRIVE	86.63	20	19	0		30	225		0	12750	40	79.22	79.03	0.47	8	PVC	0.010	699559	0.02	174890	0.07
43	43	SYMPHONY DRIVE	86.56	19	18	0	2	30	225	1000	2000	14750	66	79.03	78.54	0.74	8	PVC	0.010	874588	0.02	218647	0.07
43	37	SYMPHONY DRIVE	86.98	18	29	0		50	225		0	23250	143	78.24	77.71	0.37	8	PVC	0.010	617941	0.04	154485	0.15
37	37	LOCUST STREET	94.84	30	29	42	14	42	225	1000	23450	23450	393	79.21	77.70	0.38	8	PVC	0.010	629172	0.04	157293	0.15
37	37	LOCUST STREET	87.04	29	14	0		92	225		0	46700	170	77.58	75.32	1.33	8	PVC	0.010	1170327	0.04	292582	0.16
37	37	LOCUST STREET	85.44	14	13	0		92	225		0	46700	90	75.14	74.69	0.50	8	PVC	0.010	717732	0.07	179433	0.26
37	37	VERMONT AVENUE	85.31	13	15	0	1	108	225	3000	3000	66500	203	74.69	73.84	0.42	8	PVC	0.010	656809	0.10	164202	0.40
37	37	VERMONT AVENUE	87.87	15	16	0	2	108	225	3000	6000	72500	204	73.76	70.44	1.63	8	PVC	0.010	1294886	0.06	323721	0.22
37	37	VERMONT AVENUE	82.81	16	9	0		108	225		0	72500	68	70.44	70.03	0.60	8	PVC	0.010	788161	0.09	197040	0.37
37	37	Route 70	82.20	9	10	0		183	330		0	134150	167	69.98	69.81	0.10	12	PVC	0.010	954817	0.14	238704	0.56
37	37	Route 70	80.50	10	11	0	3	183	2000	3000	9000	143150	328	69.61	67.51	0.64	12	PVC	0.010	2394566	0.06	598642	0.24
37	38	Route 70	77.40	11	10	0		183	2000		0	143150	400	67.41	63.41	1.00	12	PVC	0.010	2992638	0.05	748159	0.19
38	38	Route 70	73.70	10	11	1	1	184	2000	3000	5000	148150	400	63.31	61.24	0.52	12	PVC	0.010	2152828	0.07	538207	0.28

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Route 70	70.14	13	11	1		1	2000		2000	2000	35	61.75	61.24	1.46	4	PVC	0.010	192966	0.01	48242	0.04
38	38	Route 70	71.40	11	14	0	11	185	2000	3000	33000	183150	346	56.31	54.86	0.42	12	PVC	0.010	1937314	0.09	484329	0.38
38	38	Route 70	70.14	15	14	1		1	2000		2000	2000	17	61.05	60.26	4.65	4	PVC	0.010	344604	0.01	86151	0.02
38	38	Route 70	69.91	14	17	0		186	2000		0	185150	89	54.85	54.54	0.35	12	PVC	0.010	1766200	0.10	441550	0.42
38	38	Woodbine Ave.	68.55	22	21	25		25	300		7500	7500	400	61.65	59.69	0.49	8	PVC	0.010	710519	0.01	177630	0.04
38	38	Woodbine Ave.	68.07	21	20	20		45	300		6000	13500	211	59.67	58.95	0.34	8	PVC	0.010	592929	0.02	148232	0.09
38	38	Woodbine Ave.	66.28	20	25	0		45	300		0	13500	58	58.75	58.46	0.50	8	PVC	0.010	717732	0.02	179433	0.08
38	38	Patriots Way	67.16	23	24	18		18	300		5400	5400	355	60.14	58.19	0.55	8	PVC	0.010	752282	0.01	188070	0.03
38	38	Patriots Way	66.39	24	25	8		26	300		2400	7800	68	58.05	57.82	0.34	8	PVC	0.010	590319	0.01	147580	0.05
38	38	Patriots Way	65.70	25	19	0		71	300		0	21300	98	57.63	57.16	0.48	8	PVC	0.010	702932	0.03	175733	0.12
38	38	Patriots Way	66.28	19	18	0		71	300		0	21300	377	57.11	55.40	0.45	8	PVC	0.010	683604	0.03	170901	0.12
38	38	Patriots Way	69.48	18	17	0		71	300		0	21300	43	55.36	54.98	0.88	8	PVC	0.010	954190	0.02	238548	0.09
38	38	Route 70	68.85	17	26	0		257	300		0	206450	122	54.54	54.30	0.20	12	PVC	0.010	1327333	0.16	331833	0.62
43	37	Harrogate Dvpmt	81.95	1	12	24		24	300		7200	7200	396	76.00	74.65	0.34	8	PVC	0.010	592648	0.01	148162	0.05
37	38	Locust St.	84.20	12	39	1		25	3000		3000	10200	220	74.55	71.12	1.56	8	PVC	0.010	1267398	0.01	316850	0.03
38	44	Locust St.	81.00	39	2	15	1	40	300	3000	7500	17700	221	71.12	66.70	2.00	8	PVC	0.010	1435464	0.01	358866	0.05
43	43	Harrogate Dvpmt	73.40	2	3	28		28	300		8400	8400	101	68.75	68.05	0.69	8	PVC	0.010	845018	0.01	211254	0.04
43	44	Harrogate Dvpmt	71.95	3	8	14		42	300		4200	12600	372	67.95	66.60	0.36	8	PVC	0.010	611467	0.02	152867	0.08
44	44	Harrogate Dvpmt	70.96	8	7	9		51	300		2700	15300	132	66.50	66.08	0.32	8	PVC	0.010	572552	0.03	143138	0.11
44	44	Harrogate Dvpmt		7	6	0		51	300		0	15300	85	66.05	65.64	0.48	8	PVC	0.010	704953	0.02	176238	0.09
44	44	Harrogate Dvpmt	69.96	6	5	6		57	300		1800	17100	173	65.61	64.72	0.51	8	PVC	0.010	728030	0.02	182008	0.09
44	44	Harrogate Dvpmt	70.72	5	4	5		62	300		1500	18600	114	64.72	64.22	0.44	8	PVC	0.010	672218	0.03	168054	0.11
44	44	Harrogate Dvpmt	70.07	4	3	25		87	300		7500	26100	201	64.22	63.38	0.42	8	PVC	0.010	656174	0.04	164044	0.16
44	44	Harrogate Dvpmt	71.88	3	2	15		102	300		4500	30600	398	63.33	62.40	0.23	8	PVC	0.010	490656	0.06	122664	0.25
44	44	Locust St.	75.00	2	9	0		142	300		0	48300	278	62.40	61.26	0.41	8	PVC	0.010	649991	0.07	162498	0.30
44	44	Locust St.	69.00	9	10	0		142	300		0	48300	250	61.26	60.20	0.42	8	PVC	0.010	660937	0.07	165234	0.29
44	44	Locust St.	66.00	10	14	0		142	300		0	48300	75	60.10	59.71	0.52	8	PVC	0.010	731946	0.07	182987	0.26
44	44	Locust St.	67.71	14	18	0		142	300		0	48300	71.5	59.39	59.08	0.43	8	PVC	0.010	668352	0.07	167088	0.29
44	38	Locust St.	67.71	18	38	0		142	300		0	48300	104	59.03	58.67	0.35	8	PVC	0.010	597189	0.08	149297	0.32
38	38	Offroad	67.58	38	37	0		142	300		0	48300	300	58.52	57.31	0.40	8	PVC	0.010	644628	0.07	161157	0.30
38	38	Davids Court	63.61	37	35	22		164	300		6600	54900	336	57.31	55.80	0.45	8	PVC	0.010	680450	0.08	170113	0.32
38	38	Davids Court	64.18	35	26	25		189	300		7500	62400	400	55.75	54.30	0.36	8	PVC	0.010	611127	0.10	152782	0.41
38	38	Route 70	68.42	26	27	0		446	300		0	268850	161.4	54.22	53.49	0.45	12	DIP	0.013	1548176	0.17	387044	0.69
38	38	Davids Court	62.66	36	34	7		7	300		2100	2100	69	56.46	55.94	0.75	8	PVC	0.010	881160	0.00	220290	0.01
38	38	Davids Court	63.13	34	33	8		15	300		2400	4500	168	55.89	55.26	0.38	8	PVC	0.010	621574	0.01	155394	0.03
38	38	Davids Court	63.53	33	27	9		24	300		2700	7200	293	55.13	54.10	0.35	8	PVC	0.010	601814	0.01	150453	0.05
38	38	Route 70	67.17	27	28	0		470	300		0	276050	183.4	53.49	52.72	0.42	12	DIP	0.013	1491614	0.19	372904	0.74
38	38	Route 70	64.86	28	29	0		470	300		0	276050	356	52.72	51.13	0.45	12	PVC	0.010	1999989	0.14	499997	0.55

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Davina Court	62.77	40	43	20		20	225		4500	4500	206.7	57.04	52.97	1.97	8	PVC	0.010	1424310	0.00	356077	0.01
38	38	Davina Court	60.71	43	42	0		20	225		0	4500	106.5	52.97	51.33	1.54	8	PVC	0.010	1259576	0.00	314894	0.01
44	44	Sophee Lane	106.53	72	71	36		36	225		8100	8100	400	100.50	94.70	1.45	8	PVC	0.010	1222254	0.01	305563	0.03
44	44	Amy Court	100.14	71	70	12	27	48	225	1000	29700	37800	125	94.20	90.20	3.20	8	PVC	0.010	1815735	0.02	453934	0.08
44	44	Cole Lane	96.15	70	73	12	4	60	225	525	4800	42600	260	90.00	88.20	0.69	8	PVC	0.010	844553	0.05	211138	0.20
44	44	Cole Lane	93.90	73	69	12	4	72	225	525	4800	47400	260	88.00	83.20	1.85	8	PVC	0.010	1379150	0.03	344787	0.14
44	44	Cole Lane	89.38	69	68	0		72	225		0	47400	80	83.00	81.20	2.25	8	PVC	0.010	1522540	0.03	380635	0.12
44	44	Cole Lane	86.84	68	67	0		72	225		0	47400	70	81.00	79.20	2.57	8	PVC	0.010	1627664	0.03	406916	0.12
44	44	Cole Lane	84.77	67	63	12	4	84	225	525	4800	52200	270	79.00	72.20	2.52	8	PVC	0.010	1610831	0.03	402708	0.13
44	44	Cole Lane	78.07	63	62	0		84	225		0	52200	55	72.00	71.20	1.45	8	PVC	0.010	1224168	0.04	306042	0.17
44	44	Sophee Lane	98.83	66	65	24		24	225		5400	5400	270	93.00	82.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.01
44	44	Sophee Lane	87.92	65	64	12		36	225		2700	8100	225	82.00	74.20	3.47	8	PVC	0.010	1889877	0.00	472469	0.02
44	44	Sophee Lane	80.80	64	62	0		36	225		0	8100	60	74.00	71.20	4.67	8	PVC	0.010	2192708	0.00	548177	0.01
44	44	Jared Court	79.20	62	61	24	4	144	225	525	7500	67800	287	71.00	69.40	0.56	8	PVC	0.010	757873	0.09	189468	0.36
44	44	Jared Court	77.12	61	60	1	4	145	2000	525	4100	71900	285	69.20	67.60	0.56	8	PVC	0.010	760528	0.09	190132	0.38
44	44	Jared Court	74.85	60	59	0		145	225		0	71900	33	67.40	66.70	2.12	8	PVC	0.010	1478323	0.05	369581	0.19
44	44	Jared Court	74.60	59	58	0		145	225		0	71900	120	66.50	65.70	0.67	8	PVC	0.010	828766	0.09	207191	0.35
44	44	Jared Court	73.57	58	57	0		145	225		0	71900	142	65.50	62.74	1.94	8	PVC	0.010	1415102	0.05	353776	0.20
44	44	Jared Court	71.28	57	56	0		145	225		0	71900	175	62.54	60.79	1.00	8	PVC	0.010	1015027	0.07	253757	0.28
44	55	Locust Street	69.38	56	19	0		145	225		0	71900	95	60.59	60.11	0.51	8	PVC	0.010	721500	0.10	180375	0.40
44	44	Locust St.	69.76	19	20	74		219	225		16650	88550	61	59.41	59.27	0.23	8	PVC	0.010	486269	0.18	121567	0.73
44	38	Rose Court	69.67	20	49	9		228	300		2700	91250	172	59.27	58.52	0.44	8	PVC	0.010	670261	0.14	167565	0.54
38	38	Rose Court	68.27	50	49	12		12	300		3600	3600	200	60.77	59.52	0.63	8	PVC	0.010	802449	0.00	200612	0.02
38	38	Rose Court	67.20	49	48	0		240	300		0	94850	44	58.50	58.32	0.40	8	PVC	0.010	640133	0.15	160033	0.59
38	38	Rose Court	66.42	48	47	23		263	300		6900	101750	364	58.22	55.34	0.79	8	PVC	0.010	902865	0.11	225716	0.45
38	38	Rose Court	62.74	47	46	0		263	300		0	101750	71	55.26	54.68	0.82	8	PVC	0.010	917407	0.11	229352	0.44
38	38	Rose Court	63.46	46	45	8		271	300		2400	104150	119	54.64	52.60	1.71	8	PVC	0.010	1328982	0.08	332245	0.31
38	38	Offroad	59.80	45	42	0		271	300		0	104150	327	50.92	49.67	0.38	8	PVC	0.010	627565	0.17	156891	0.66
38	38	Davids Court	60.65	42	44	20		311	225		4500	113150	174.1	49.65	48.80	0.49	8	PVC	0.010	709231	0.16	177308	0.64
38	38	Davids Court	59.80	44	41	0		311	300		0	113150	101.5	48.75	48.33	0.41	8	PVC	0.010	652934	0.17	163233	0.69
38	38	Davids Court	60.28	41	29	40		351	225		9000	122150	170.7	48.29	47.63	0.39	8	PVC	0.010	631150	0.19	157788	0.77
38	38	Route 70	64.03	29	30	0		821	300		0	398200	368.8	47.38	45.93	0.39	12	DIP	0.013	1443442	0.28	360860	1.10
38	38	Route 70	60.73	30	31	0	47	821	300	1000	47000	445200	400.9	45.93	44.07	0.46	12	PVC	0.010	2038415	0.22	509604	0.87
38	38	Route 70	60.45	31	32	0		821	300		0	445200	316.3	44.07	42.90	0.37	12	PVC	0.010	1820109	0.24	455027	0.98
38	39	Route 70	57.35	32	4	0		821	300		0	445200	209.5	42.12	41.35	0.37	18	PVC	0.010	5349142	0.08	1337286	0.33
49	49	Swiss Mountain Dr.	105.71	3	4	5		5	300		1500	1500	260	98.81	84.12	5.65	8	PVC	0.010	2412691	0.00	603173	0.00
49	44	New Hampshire Ave.	91.90	4	54	1		6	300		300	1800	323	84.02	82.41	0.50	8	PVC	0.010	716620	0.00	179155	0.01
44	44	New Hampshire Ave.	90.00	54	55	4		10	300		1200	3000	400	82.31	76.43	1.47	8	PVC	0.010	1230654	0.00	307664	0.01
44	44	New Hampshire Ave.	83.75	55	33	0		10	300		0	3000	262	76.33	65.72	4.05	8	PVC	0.010	2042605	0.00	510651	0.01
49	44	Swiss Mountain Dr.	109.39	2	51	5		5	300		1500	1500	275	101.71	92.36	3.40	8	PVC	0.010	1871617	0.00	467904	0.00
44	44	Swiss Mountain Dr.	104.27	53	52	1		1	300		300	300	103	97.32	93.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.00
44	44	Swiss Mountain Dr.	99.87	52	51	1		2	300		300	600	64	93.10	92.36	1.16	8	PVC	0.010	1091449	0.00	272862	0.00
44	44	Hanna Dr.	99.80	51	50	2		9	300		600	2700	220	92.26	84.56	3.50	8	PVC	0.010	1898941	0.00	474735	0.01
44	44	Hanna Dr.	91.00	50	48	1		10	300		300	3000	110	84.46	79.68	4.35	8	PVC	0.010	2115899	0.00	528975	0.01
44	44	Tamara Ct.	87.45	49	48	4		4	300		1200	1200	254	80.95	79.68	0.50	8	PVC	0.010	717732	0.00	179433	0.01
44	44	Hanna Dr.	86.18	48	47	2		16	300		600	4800	320	79.58	73.18	2.00	8	PVC	0.010	1435464	0.00	358866	0.01
44	44	Hanna Dr.	79.39	47	46	2		18	300		600	5400	90	73.08	72.14	1.04	8	PVC	0.010	1037338	0.01	259334	0.02
44	44	Hanna Dr.	78.39	46	35	1		19	300		300	5700	155	72.04	67.78	2.75	8	PVC	0.010	1682738	0.00	420684	0.01
49	44	Isabella Dr.	115.20	1	45	8		8	300		2400	2400	363	107.82	103.90	1.08	8	PVC	0.010	1054793	0.00	263698	0.01
44	44	Isabella Dr.	111.20	45	44	4		12	300		1200	3600	263	103.80	94.10	3.69	8	PVC	0.010	1949330	0.00	487333	0.01
44	44	Isabella Dr.	101.04	44	43	3		15	300		900	4500	130	94.00	83.75	7.88	8	PVC	0.010	2850150	0.00	712537	0.01
44	44	Isabella Dr.	92.15	43	42	8		23	300		2400	6900	400	83.66	73.79	2.47	8	PVC	0.010	1594432	0.00	398608	0.02
44	44	Isabella Dr.	82.90	42	41	2		25	300		600	7500	100	73.69	73.19	0.50	8	PVC	0.010	717732	0.01	179433	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
44	44	Isabella Dr.	80.65	40	41	2		2	300		600	600	140	74.00	73.19	0.58	8	PVC	0.010	772069	0.00	193017	0.00
44	44	Belgian Hill Rd.	82.15	41	39	1		28	300		300	8400	107	73.09	71.96	1.06	8	PVC	0.010	1043097	0.01	260774	0.03
44	44	Belgian Hill Rd.	80.56	39	38	3		31	300		900	9300	240	71.86	69.22	1.10	8	PVC	0.010	1064569	0.01	266142	0.03
44	44	Belgian Hill Rd.	77.02	38	37	1		32	300		300	9600	83	69.12	68.71	0.49	8	PVC	0.010	713395	0.01	178349	0.05
44	44	Belgian Hill Rd.	75.73	37	36	0		32	300		0	9600	61	68.61	68.31	0.49	8	PVC	0.010	711825	0.01	177956	0.05
44	44	Belgian Hill Rd.	75.40	36	35	2		34	300		600	10200	88	68.21	67.77	0.50	8	PVC	0.010	717732	0.01	179433	0.06
44	44	Belgian Hill Rd.	76.64	35	34	1		54	300		300	16200	150	67.67	66.92	0.50	8	PVC	0.010	717732	0.02	179433	0.09
44	44	Belgian Hill Rd.	79.23	34	33	3		57	300		900	17100	225	66.82	65.70	0.50	8	PVC	0.010	716135	0.02	179034	0.10
44	44	New Hampshire Ave.	77.73	33	32	0		67	300		0	20100	295	65.60	63.74	0.63	8	PVC	0.010	805977	0.02	201494	0.10
44	44	New Hampshire Ave.	72.00	32	31	0		67	300		0	20100	275	63.64	59.52	1.50	8	PVC	0.010	1242395	0.02	310599	0.06
44	44	New Hampshire Ave.	66.30	31	29	0		67	300		0	20100	400	59.42	57.47	0.49	8	PVC	0.010	708704	0.03	177176	0.11
44	38	New Hampshire Ave.	65.60	29	58	3		70	300		900	21000	19	57.37	56.29	5.68	8	PVC	0.010	2419984	0.01	604996	0.03
44	44	Locust St.	69.90	25	27	0	32	0	2000	1000	32000	32000	195	60.71	58.96	0.90	8	DIP	0.013	739666	0.04	184917	0.17
44	44	Offroad	65.09	27	28	48		48	300		14400	46400	252	58.76	56.22	1.01	8	DIP	0.013	783882	0.06	195970	0.24
44	38	Offroad	64.70	28	57	48		96	300		14400	60800	166	56.02	54.36	1.00	8	DIP	0.013	780790	0.08	195197	0.31
38	38	Offroad	62.28	57	56	24		120	300		7200	68000	190	54.16	52.26	1.00	8	DIP	0.013	780790	0.09	195197	0.35
44	38	Offroad	65.00	26	51	48		48	300		14400	14400	200	59.22	58.22	0.50	8	DIP	0.013	552102	0.03	138025	0.10
38	38	Offroad	63.20	51	52	48		96	300		14400	28800	270	58.12	56.76	0.50	8	DIP	0.013	554143	0.05	138536	0.21
38	38	Offroad	61.23	52	53	0		96	300		0	28800	125	56.56	55.94	0.50	8	DIP	0.013	549889	0.05	137472	0.21
38	38	Offroad	61.52	53	54	24		120	300		7200	36000	230	55.84	54.69	0.50	8	DIP	0.013	552102	0.07	138025	0.26
38	38	Offroad	62.42	54	55	24		144	300		7200	43200	248	54.49	53.25	0.50	8	DIP	0.013	552102	0.08	138025	0.31
38	38	Offroad	59.53	55	56	24		168	300		7200	50400	155	53.05	52.26	0.51	8	DIP	0.013	557419	0.09	139355	0.36
38	38	Offroad	60.95	56	58	1		289	2000		2000	120400	185	52.06	50.01	1.11	8	DIP	0.013	821912	0.15	205478	0.59
38	38	New Hampshire Ave.	64.20	58	59	0		359	300		0	141400	240	49.84	47.57	0.95	10	DIP	0.013	1376791	0.10	344198	0.41
38	38	New Hampshire Ave.	62.50	59	60	0		359	300		0	141400	235	47.47	46.44	0.44	10	PVC	0.010	1218397	0.12	304599	0.46
38	39	New Hampshire Ave.	63.00	60	8	1	9	360	300	1000	9300	150700	324	46.34	44.90	0.44	10	PVC	0.010	1226910	0.12	306728	0.49
39	39	New Hampshire Ave.	59.10	8	7	0		360	300		0	150700	79	44.80	44.45	0.44	10	PVC	0.010	1224968	0.12	306242	0.49
39	39	New Hampshire Ave.	58.50	7	6	0		360	300		0	150700	185	44.35	43.53	0.44	10	PVC	0.010	1225251	0.12	306313	0.49
39	39	New Hampshire Ave.	56.00	6	5	0		360	300		0	150700	150	43.43	42.77	0.44	10	PVC	0.010	1220760	0.12	305190	0.49
39	39	New Hampshire Ave.	56.20	5	4	1		361	2000		2000	152700	85	42.67	42.25	0.49	10	PVC	0.010	1293658	0.12	323414	0.47
39	39	Route 70	55.32	4	9	0		2204	300		0	1203912	391.5	41.35	40.50	0.22	18	PVC	0.010	4111255	0.29	1027814	1.17
39	39	Route 70	54.58	9	10	0	5	2204	300	3000	15000	1218912	406.8	40.50	40.12	0.09	18	PVC	0.010	2696697	0.45	674174	1.81
39	39	Route 70	57.27	10	11	0		2204	300		39375	1258287	403.3	40.12	39.48	0.16	18	PVC	0.010	3514849	0.36	878712	1.43
39	39	Route 70	50.76	12	11	1		1	2000		2000	2000	21	46.00	45.34	3.14	6	PVC	0.010	835545	0.00	208886	0.01
39	39	New Hampshire	NEW	NEW	11			74	1000		93332	93332											
39	39	Route 70	56.67	11	13	0		2205	300		0	1353619	355.5	39.48	38.87	0.17	18	PVC	0.010	3654904	0.37	913726	1.48
39	39	Route 70	55.13	13	14	0		2205	300		0	1353619	347	31.67	30.95	0.21	18	PVC	0.010	4019132	0.34	1004783	1.35
39	39	Route 70	48.67	14	15	0		2205	300		0	1353619	403.6	30.95	30.50	0.11	24	PVC	0.010	6344997	0.21	1586249	0.85
39	39	Route 70	41.67	15	17	0		2205	300		0	1353619	418.3	30.50	29.72	0.19	24	PVC	0.010	8205483	0.16	2051371	0.66
39	34	Route 70	47.20	17	26	0		2205	300		0	1353619	364	29.72	28.96	0.21	24	PVC	0.010	8682742	0.16	2170685	0.62
34	34	Route 70	47.55	26	27	0		2205	300		0	1353619	500.6	28.96	28.13	0.17	24	PVC	0.010	7737388	0.17	1934347	0.70
34	34	Route 70	46.36	27	28	0		2205	300		0	1353619	499.9	28.13	27.26	0.17	24	PVC	0.010	7927182	0.17	1981796	0.68
34	34	Route 70	46.98	28	29	0		2205	300		0	1353619	500.3	27.26	26.52	0.15	24	PVC	0.010	7308048	0.19	1827012	0.74
34	34	Route 70	45.14	29	30	0		2205	300		0	1353619	444.5	26.52	25.88	0.14	24	PVC	0.010	7210326	0.19	1802581	0.75

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
29	29	Oak St.		1	1A	2		2	3000		6000	6000	170	44.76	44.08	0.40	8	ACP	0.013	493815	0.01	123454	0.05
29	29	Oak St.		1A	2	0	12	2	3000	3000	36000	42000	300	44.08	43.34	0.25	8	ACP	0.013	387783	0.11	96946	0.43
29	29	Oak St.	49.23	2	3	2		4	3000		6000	48000	320	42.84	42.50	0.11	14	ACP	0.013	1131879	0.04	282970	0.17
29	29	Oak St.	48.46	3	4	1		5	3000		3000	51000	400	42.50	41.70	0.20	14	ACP	0.013	1552925	0.03	388231	0.13
29	29	Oak St.	46.86	4	5	0		5	3000		0	51000	400	41.70	40.72	0.25	14	ACP	0.013	1718773	0.03	429693	0.12
29	29	Airport Rd.	50.31	10	9	1		1	4500		4500	4500	170	42.02	41.78	0.14	14	ACP	0.013	1304718	0.00	326180	0.01
29	29	Airport Rd.	48.37	9	8	0		1	3000		0	4500	72	41.78	41.70	0.11	14	ACP	0.013	1157482	0.00	289371	0.02
29	29	Airport Rd.	48.56	8	6	0		1	3000		0	4500	362	41.70	41.28	0.12	14	ACP	0.013	1182785	0.00	295696	0.02
29	29	Airport Rd.	48.23	6	5	1		2	3000		3000	7500	400	41.28	40.72	0.14	14	ACP	0.013	1299270	0.01	324818	0.02
29	34	Airport Rd.	48.14	5	8	2		9	3000		6000	64500	175	40.72	40.38	0.19	14	ACP	0.013	1530580	0.04	382645	0.17
34	34	Airport Rd.	45.92	8	7	0		9	3000		0	64500	100	40.38	40.20	0.18	14	ACP	0.013	1473234	0.04	368309	0.18
29	34	Airport Rd.	46.51	17	10	2		2	3000		6000	6000	329	43.47	42.41	0.32	14	ACP	0.013	1971018	0.00	492754	0.01
34	34	Airport Rd.	42.37	10	9	0		2	3000		0	6000	145	42.41	41.67	0.51	14	ACP	0.013	2480661	0.00	620165	0.01
34	34	Airport Rd.		9	7	0		2	3000		0	6000	290	41.67	40.20	0.51	14	ACP	0.013	2472266	0.00	618067	0.01
34	34	Airport Rd.	48.16	7	6	2		13	3500		7000	77500	400	40.20	39.92	0.07	14	ACP	0.013	918723	0.08	229681	0.34
34	34	Airport Rd.	50.07	6	5	0		13	3000		0	77500	50	39.92	39.83	0.18	14	ACP	0.013	1473234	0.05	368309	0.21
34	34	Gusmer Dr.	54.20	3	4	2		2	3500		7000	7000	351	46.62	44.62	0.57	8	ACP	0.013	589380	0.01	147345	0.05
34	34	Gusmer Dr.	52.12	4	5	0		2	3000		0	7000	390	44.62	41.67	0.76	8	ACP	0.013	679067	0.01	169767	0.04
34	34	Airport Rd.	50.04	5	12	0		15	3000		0	84500	400	39.83	39.36	0.12	14	ACP	0.013	1190295	0.07	297574	0.28
34	34	Airport Rd.	49.69	12	13	3		18	3000		9000	93500	400	39.36	38.80	0.14	14	ACP	0.013	1299270	0.07	324818	0.29
34	34	Airport Rd.	48.33	13	21	3		21	2000		6000	99500	390	38.80	38.25	0.14	14	ACP	0.013	1304021	0.08	326005	0.31
34	34	Route 70	47.96	20	19	2		2	1500		3000	3000	205	40.16	39.44	0.35	10	PVC	0.010	1090670	0.00	272668	0.01
34	34	Route 70	47.59	19	18	0		2	3000		0	3000	294	39.44	38.63	0.28	10	PVC	0.010	965991	0.00	241498	0.01
34	34	Route 70	45.33	18	21	0		2	3000		0	3000	179	38.58	38.03	0.31	10	PVC	0.010	1020138	0.00	255035	0.01
34	34	Route 70	Buried	21	22	0		23	3000		0	102500	100	37.73	32.80	4.93	14	ACP	0.013	7710082	0.01	1927521	0.05
35	35	Route 70		5	4	0		0	3000		0	0	180	41.08	40.18	0.50	8	PVC	0.010	717732	0.00	179433	0.00
35	35	Route 70		4	3	0		0	3000		0	0	80	40.18	39.32	1.08	12	PVC	0.010	3102833	0.00	775708	0.00
35	35	Route 70		3	2	0	17	0	3000	3000	51000	51000	400	39.22	37.60	0.40	12	PVC	0.010	1904503	0.03	476126	0.11
35	35	Route 70		2	1	0		0	3000		0	51000	400	37.60	36.00	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
35	34	Route 70		1	25	0		0	3000		0	51000	400	36.00	34.40	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		25	24	1		1	1000		1000	52000	400	34.40	32.80	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		24	23	0		1	3000		0	52000	225	32.80	31.90	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		23	22	0		1	3000		0	52000	70	31.90	31.62	0.40	12	PVC	0.010	1892710	0.03	473178	0.11

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
34	34	Route 70		22	30	0		24	3000		0	154500	115	31.12	25.88	4.56	18	PVC	0.010	18834215	0.01	4708554	0.03
34	34	Route 70	42.56	30	31	0		2229	3000		0	1508119	74	25.88	25.71	0.23	24	PVC	0.010	9107714	0.17	2276928	0.66
34	34	Route 70	45.26	31	32	0		2229	3000		0	1508119	417	25.71	24.98	0.18	24	PVC	0.010	7950495	0.19	1987624	0.76
34	34	Route 70	44.88	32	33	0		2229	3000		0	1508119	324.4	24.98	24.34	0.20	24	PVC	0.010	8440153	0.18	2110038	0.71
34	40	Route 70	42.26	33	27	3		2232	3000		9000	1517119	342.1	24.34	23.80	0.16	24	DIP	0.013	5807347	0.26	1451837	1.04
40	40	Offroad	39.42	27	25	0		2232	3000		0	1517119	104	23.80	23.62	0.17	24	DIP	0.013	6081028	0.25	1520257	1.00
40	40	Offroad	37.80	25	26	0		4471	3000		0	2250119	239	23.62	21.78	0.77	24	DIP	0.013	12825296	0.18	3206324	0.70
					OCUA																		
35	35	Route 70	41.02	6	7	10		10	2000		20000	20000	160	34.52	33.07	0.91	8	PVC	0.010	966277	0.02	241569	0.08
35	41	Route 70	39.96	7	1	0		10	2000		0	20000	197	33.07	31.91	0.59	8	PVC	0.010	778885	0.03	194721	0.10
41	41	Route 70	38.81	1	2	0		10	2000		0	20000	120	31.91	31.53	0.32	8	PVC	0.010	571187	0.04	142797	0.14
41	41	Route 70	37.79	2	5	0		10	2000		0	20000	139	31.53	30.65	0.63	8	PVC	0.010	807628	0.02	201907	0.10
41	41	Route 70	35.63	5	6	0		10	2000		0	20000	99	30.65	27.75	2.93	8	PVC	0.010	1737236	0.01	434309	0.05
41	41	Route 70	35.85	6	7	0		10	2000		0	20000	41	25.58	24.73	2.07	8	PVC	0.010	1461487	0.01	365372	0.05
					OCUA																		
35	35	Route 70		11	10	1		1	2000		2000	2000	145	36.37	35.64	0.50	8	PVC	0.010	720203	0.00	180051	0.01
35	35	Route 70		10	9	0		1	3000		0	2000	320	35.54	33.13	0.75	8	PVC	0.010	880868	0.00	220217	0.01
35	35	Route 70	38.70	9	13	0		1	3000		0	2000	71	33.13	32.35	1.10	8	PVC	0.010	1063887	0.00	265972	0.01
35	35	Parking Lot	40.79	13	14	0		1	3000		0	2000	324	32.35	30.46	0.58	8	PVC	0.010	775239	0.00	193810	0.01
35	41	Parking Lot	39.01	14	8	0		1	3000		0	2000	183	30.46	28.88	0.86	8	PVC	0.010	943149	0.00	235787	0.01
41	41	Offroad	33.77	8	9	0		1	3000		0	2000	120	28.88	28.04	0.70	8	PVC	0.010	849232	0.00	212308	0.01
41	41	Offroad	33.96	9	10	0		1	3000		0	2000	34	28.04	27.82	0.65	8	PVC	0.010	816487	0.00	204122	0.01
35	41	Service	33.49	15	10	5		5	2000		10000	10000	180	33.16	27.82	2.97	8	PVC	0.010	1748283	0.01	437071	0.02
41	41	Offroad	33.50	10	11	0		6	3000		0	12000	17	27.82	27.75	0.41	8	PVC	0.010	651331	0.02	162833	0.07
					OCUA																		
41	41	Parking Lot	36.92	21	20	1		1	2000		2000	2000	186	27.70	25.05	1.42	8	PVC	0.010	1211557	0.00	302889	0.01
41	41	Offroad	31.00	20	19	0		1	3000		0	2000	8	24.98	24.78	2.50	8	PVC	0.010	1604898	0.00	401224	0.00
41	41	Offroad	31.00	19	18	0		1	3000		0	2000	8	24.73	24.33	5.00	8	PVC	0.010	2269669	0.00	567417	0.00
					OCUA																		
35	36	Parking Lot	35.30	16	12	10		10	2000		20000	20000	120	27.75	26.98	0.64	8	PVC	0.010	813078	0.02	203269	0.10
36	36	Offroad	32.30	12	13	0		10	2000		0	20000	90	26.88	26.35	0.59	8	PVC	0.010	778922	0.03	194731	0.10
36	36	Offroad	35.80	15	14	5		5	2000		10000	10000	206	28.50	27.23	0.62	8	PVC	0.010	796977	0.01	199244	0.05
36	36	Offroad	30.28	14	13	0		5	2000		0	10000	121	27.13	26.35	0.64	8	PVC	0.010	814952	0.01	203738	0.05
36	36	Offroad	32.75	13	16	0		5	2000		0	10000	14	26.28	26.05	1.64	8	PVC	0.010	1301000	0.01	325250	0.03
36	36	Offroad	33.25	16	17	0		5	2000		0	10000	37	26.00	25.05	2.57	8	PVC	0.010	1626441	0.01	406610	0.02
36	36	Offroad	33.25	17	18	0		5	2000		0	10000	13	20.75	19.18	12.08	8	PVC	0.010	3527407	0.00	881852	0.01
					OCUA																		

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	Parking Lot	39.80	1	2	2		2	2000		4000	4000	324	30.45	28.25	0.68	8	PVC	0.010	836404	0.00	209101	0.02
36	36	Parking Lot	37.25	2	3	0		2	2000		0	4000	304	28.15	26.25	0.63	8	PVC	0.010	802449	0.00	200612	0.02
36	36	Parking Lot	37.10	3	4	3		5	2000		6000	10000	363	26.15	23.99	0.60	8	PVC	0.010	782981	0.01	195745	0.05
36	36	Parking Lot	33.67	4	5	0		5	2000		0	10000	192	23.99	22.70	0.67	8	PVC	0.010	831997	0.01	207999	0.05
36	36	Parking Lot	33.50	5	6	0		5	2000		0	10000	48	22.63	22.30	0.69	8	PVC	0.010	841616	0.01	210404	0.05
36	36	Shorrock St.	31.00	6	7	0		5	2000		0	10000	106	22.19	21.43	0.72	8	PVC	0.010	859471	0.01	214868	0.05
36	36	Shorrock St.	31.50	7	8	0		5	2000		0	10000	13	21.10	21.01	0.69	8	PVC	0.010	844553	0.01	211138	0.05
36	36	Parking Lot	37.00	11	10	5		5	2000		10000	10000	260	30.80	29.04	0.68	8	PVC	0.010	835117	0.01	208779	0.05
36	36	Parking Lot	36.00	10	9	0		5	2000		0	10000	284	29.03	27.32	0.60	8	PVC	0.010	787619	0.01	196905	0.05
36	36	Shorrock St.	36.18	9	8	0		5	2000		0	10000	30	27.23	27.04	0.63	8	PVC	0.010	807781	0.01	201945	0.05
36	36	Shorrock St.	31.00	8	21	0		10	2000		0	20000	48	19.63	19.24	0.81	8	PVC	0.010	914933	0.02	228733	0.09
36	36	Shorrock St.	29.85	21	20	0		10	2000		0	20000	19	19.24	19.15	0.47	8	PVC	0.010	698589	0.03	174647	0.11
					OCUA																		
55	55	Silverspring Dr.	81.36	34	33	8		8	170		1360	1360	188	74.95	74.16	0.42	8	PVC	0.010	657979	0.00	164495	0.01
55	55	Silverspring Dr.	79.13	33	32	10		18	170		1700	3060	301	73.98	72.78	0.40	8	PVC	0.010	640892	0.00	160223	0.02
55	55	Silverspring Dr.	81.09	32	31	5		23	170		850	3910	123	72.70	72.21	0.40	8	PVC	0.010	640653	0.01	160163	0.02
55	55	Silverspring Dr.	79.34	31	30	5		28	170		850	4760	146	71.97	71.42	0.38	8	PVC	0.010	622992	0.01	155748	0.03
55	55	Silverspring Dr.	78.54	30	29	4		32	170		680	5440	120	71.39	70.88	0.43	8	PVC	0.010	661716	0.01	165429	0.03
55	55	Silverspring Dr.	77.14	29	27	11		43	170		1870	7310	360	70.83	69.26	0.44	8	PVC	0.010	670310	0.01	167578	0.04
55	55	Spring Meadow Dr.	77.39	28	27	0		0	170		0	0	150	70.07	69.33	0.49	8	PVC	0.010	712931	0.00	178233	0.00
55	55	Spring Meadow Dr.	75.63	27	26	0		43	170		0	7310	140	69.26	68.78	0.34	8	PVC	0.010	594339	0.01	148585	0.05
55	55	Spring Meadow Dr.	75.99	26	22	0		43	170		0	7310	221	68.74	67.97	0.35	8	PVC	0.010	599138	0.01	149784	0.05
55	55	Autumn Rise Lane	79.91	25	24	9		9	170		1530	1530	218	71.75	68.80	1.35	8	PVC	0.010	1180756	0.00	295189	0.01
55	55	Autumn Rise Lane	74.55	24	23	2		11	170		340	1870	70	68.73	68.35	0.54	8	PVC	0.010	747860	0.00	186965	0.01
55	55	Autumn Rise Lane	72.39	23	22	1		12	170		170	2040	77	68.27	67.97	0.39	8	PVC	0.010	633567	0.00	158392	0.01
55	55	Spring Meadow Dr.	72.37	22	21	0		55	170		0	9350	69	67.90	67.61	0.42	8	PVC	0.010	658039	0.01	164510	0.06
55	55	Spring Meadow Dr.	72.81	21	20	0		55	170		0	9350	224	67.56	66.85	0.32	8	PVC	0.010	571456	0.02	142864	0.07
55	55	Spring Meadow Dr.	72.54	20	19	0		55	170		0	9350	150	66.85	66.39	0.31	8	PVC	0.010	562096	0.02	140524	0.07
55	55	Spring Meadow Dr.	72.70	19	16	0		55	170		0	9350	111	66.35	65.96	0.35	8	PVC	0.010	601656	0.02	150414	0.06
55	55	Autumn Rise Lane	79.66	18	17	8		8	170		1360	1360	217	72.54	67.08	2.52	8	PVC	0.010	1610067	0.00	402517	0.00
55	55	Autumn Rise Lane	74.81	17	16	1		9	170		170	1530	53	66.98	65.92	2.00	8	PVC	0.010	1435464	0.00	358866	0.00
55	55	Spring Meadow Dr.	74.81	16	13	0		64	170		0	10880	303	65.90	64.67	0.41	8	PVC	0.010	646709	0.02	161677	0.07
55	55	Silverwoods Dr.	79.00	15	14	6		6	170		1020	1020	196	70.84	66.00	2.47	8	PVC	0.010	1595042	0.00	398760	0.00
55	55	Silverwoods Dr.	74.25	14	13	0		6	170		0	1020	40	65.94	64.85	2.73	8	PVC	0.010	1675563	0.00	418891	0.00
55	55	Spring Meadow Dr.	74.39	13	9	0		70	170		0	11900	304	64.64	63.66	0.32	8	PVC	0.010	576307	0.02	144077	0.08

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
55	55	Silverwoods Dr.	79.25	12	11	9		9	170		1530	1530	195	71.37	69.51	0.95	8	PVC	0.010	991326	0.00	247832	0.01
55	55	Silverwoods Dr.	77.45	11	10	3		12	170		510	2040	61	69.43	68.87	0.92	8	PVC	0.010	972538	0.00	243134	0.01
55	55	Silverwoods Dr.	76.85	10	9	2		14	170		340	2380	137	68.76	63.94	3.52	8	PVC	0.010	1903885	0.00	475971	0.01
55	55	Spring Meadow Dr.	76.41	9	8	0		84	170		0	14280	148	63.56	63.07	0.33	8	PVC	0.010	584043	0.02	146011	0.10
55	55	Spring Meadow Dr.	80.11	8	7	0		84	170		0	14280	93	62.97	62.65	0.34	8	PVC	0.010	595403	0.02	148851	0.10
55	51	Spring Meadow Dr.	82.50	7	41	0		84	170		0	14280	340	62.47	61.49	0.29	8	PVC	0.010	544943	0.03	136236	0.10
51	51	Spring Meadow Dr.	78.52	41	40	0		84	170		0	14280	400	61.46	60.06	0.35	8	PVC	0.010	600498	0.02	150124	0.10
51	51	Spring Meadow Dr.	74.96	40	39	0		84	170		0	14280	250	60.04	59.15	0.36	8	PVC	0.010	605623	0.02	151406	0.09
51	51	Spring Meadow Dr.	76.91	39	38	0		84	170		0	14280	300	59.07	58.00	0.36	8	PVC	0.010	606190	0.02	151547	0.09
51	51	Spring Meadow Dr.	72.58	38	37	0		84	170		0	14280	267	57.83	56.73	0.41	8	PVC	0.010	651506	0.02	162876	0.09
51	51	Spring Meadow Dr.	62.89	37	36	0		84	170		0	14280	35	56.73	56.60	0.37	8	PVC	0.010	618607	0.02	154652	0.09
55	55	Goldensprings Dr.	84.10	37	36	4		4	170		680	680	138	76.34	74.71	1.18	8	PVC	0.010	1103143	0.00	275786	0.00
55	55	Goldensprings Dr.	82.35	36	35	4		8	170		680	1360	152	74.62	72.92	1.12	8	PVC	0.010	1073446	0.00	268361	0.01
55	51	Springmeadow Dr.	81.25	35	42	4		12	170		680	2040	355	72.68	69.80	0.81	8	PVC	0.010	914238	0.00	228560	0.01
51	51	Spring Meadow Dr.	77.73	42	43	4		16	170		680	2720	303	69.75	68.17	0.52	8	PVC	0.010	732967	0.00	183242	0.01
51	51	Spring Meadow Dr.	77.04	43	44	4		20	170		680	3400	202	67.97	66.97	0.50	8	PVC	0.010	714170	0.00	178543	0.02
51	51	Spring Meadow Dr.	77.25	44	45	8		28	170		1360	4760	396	66.97	62.82	1.05	8	PVC	0.010	1039092	0.00	259773	0.02
51	51	Spring Meadow Dr.	69.86	45	36	4		32	170		680	5440	220	62.73	56.60	2.79	8	PVC	0.010	1694323	0.00	423581	0.01
51	51	Greensprings Dr.	87.85	52	53	11		11	170		1870	1870	275	81.17	75.30	2.13	8	PVC	0.010	1482962	0.00	370741	0.01
51	55	Greensprings Dr.	82.47	53	40	1		12	170		170	2040	80	75.10	73.64	1.82	8	PVC	0.010	1371225	0.00	342806	0.01
55	55	Greensprings Dr.	80.01	40	39	0		12	170		0	2040	97	73.52	72.65	0.90	8	PVC	0.010	961283	0.00	240321	0.01
55	55	Goldensprings Dr.	82.10	38	39	5		5	170		850	850	110	74.83	72.59	2.04	8	PVC	0.010	1448455	0.00	362114	0.00
55	55	Goldensprings Dr.	78.92	39	41	2		19	170		340	3230	89	72.42	69.60	3.17	8	PVC	0.010	1806787	0.00	451697	0.01
55	55	Goldensprings Dr.	76.82	41	42	8		27	170		1360	4590	188	69.47	65.15	2.30	8	PVC	0.010	1538652	0.00	384663	0.01
55	51	Goldensprings Dr.	72.43	42	54	9		36	170		1530	6120	241	64.98	59.52	2.27	8	PVC	0.010	1527796	0.00	381949	0.02
51	51	Goldensprings Dr.	67.18	54	55	5		41	170		850	6970	119	59.46	58.61	0.71	8	PVC	0.010	857854	0.01	214464	0.03
51	51	Goldensprings Dr.	66.22	55	47	12		53	170		2040	9010	369	58.55	56.85	0.46	8	PVC	0.010	688952	0.01	172238	0.05
51	51	Greensprings Dr.	89.73	51	50	6		6	170		1020	1020	161	81.52	80.07	0.90	8	PVC	0.010	963271	0.00	240818	0.00
51	51	Greensprings Dr.	88.09	50	49	13		19	170		2210	3230	300	79.97	71.83	2.71	8	PVC	0.010	1671972	0.00	417993	0.01
51	51	Greensprings Dr.	79.59	49	48	2		21	170		340	3570	82	71.73	69.88	2.26	8	PVC	0.010	1524602	0.00	381150	0.01
51	51	Greensprings Dr.	77.61	48	47	4		25	170		680	4250	221	69.75	64.35	2.44	8	PVC	0.010	1586639	0.00	396660	0.01
51	52	Goldensprings Dr.	72.16	47	100	3		81	170		510	13770	192	56.79	55.61	0.61	8	PVC	0.010	795734	0.02	198933	0.07
52	52	Greensfields Dr.	79.99	44	43	5		5	170		850	850	156.5	71.99	68.32	2.35	8	PVC	0.010	1554366	0.00	388592	0.00
52	52	Greensfields Dr.	76.74	43	42	12		17	170		2040	2890	339.5	68.32	60.54	2.29	8	PVC	0.010	1536552	0.00	384138	0.01
52	52	Summerfield Dr.	67.40	42	41	0		17	170		0	2890	192	60.46	59.74	0.37	8	PVC	0.010	621574	0.00	155394	0.02
52	52	Summerfield Dr.	65.60	41	40	0		17	170		0	2890	89.5	59.64	59.24	0.45	8	PVC	0.010	678572	0.00	169643	0.02
52	52	Summerfield Dr.	64.20	40	39	3		20	170		510	3400	184	59.22	58.52	0.38	8	PVC	0.010	626062	0.01	156516	0.02
52	52	Summerfield Dr.	68.44	39	38	1		21	170		170	3570	36.5	58.48	58.24	0.66	8	PVC	0.010	823070	0.00	205767	0.02
52	52	Summerfield Dr.	68.05	38	37	3		24	170		510	4080	164	58.12	57.40	0.44	8	PVC	0.010	672546	0.01	168136	0.02
52	52	Summerfield Dr.	67.63	37	34	0		24	170		0	4080	279	57.38	56.21	0.42	8	PVC	0.010	657307	0.01	164327	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	Greensfields Dr.	80.53	36	35	6		6	170		1020	1020	175	71.68	68.15	2.02	8	PVC	0.010	1441603	0.00	360401	0.00
52	52	Greensfields Dr.	76.61	35	34	7		13	170		1190	2210	211.5	68.15	64.21	1.86	8	PVC	0.010	1385385	0.00	346346	0.01
52	52	Summerfield Dr.	72.95	34	33	0		37	170		0	6290	147.5	56.09	55.50	0.40	8	PVC	0.010	641959	0.01	160490	0.04
52	52	Summerfield Dr.	75.93	33	32	0		37	170		0	6290	181	55.40	54.65	0.41	8	PVC	0.010	653384	0.01	163346	0.04
52	52	Summerfield Dr.	76.51	32	31	0		37	170		0	6290	218	54.58	53.77	0.37	8	PVC	0.010	618716	0.01	154679	0.04
52	52	Summerfield Dr.	72.83	31	30	0		37	170		0	6290	155	53.62	52.94	0.44	8	PVC	0.010	672305	0.01	168076	0.04
52	52	Summerfield Dr.	71.78	30	100	0		37	170		0	6290	135	52.80	52.25	0.41	8	PVC	0.010	647876	0.01	161969	0.04
52	51	Summerfield Dr.	70.02	100	46	0		118	170		0	20060	200	52.25	51.38	0.43	8	PVC	0.010	669456	0.03	167364	0.12
51	51	Summerfield Dr.	67.44	46	36	0		118	170		0	20060	315	51.35	50.20	0.37	8	PVC	0.010	613297	0.03	153324	0.13
51	51	Spring Meadow Dr.	63.72	36	35	0		234	170		0	39780	191	50.13	49.60	0.28	10	PVC	0.010	969450	0.04	242362	0.16
51	51	Spring Meadow Dr.		35	34	0		84	170		0	14280	340	49.55	48.61	0.28	10	PVC	0.010	967673	0.01	241918	0.06
52	52	Bellflower Dr	69.15	19	18	7		7	170		1190	1190	179	60.27	56.88	1.89	8	PVC	0.010	1396853	0.00	349213	0.00
52	51	Bellflower Dr	64.91	18	57	7		14	170		1190	2380	165.5	56.75	54.85	1.15	8	PVC	0.010	1087565	0.00	271891	0.01
51	51	Bellflower Dr	63.10	57	56	1		15	170		170	2550	62	54.70	53.43	2.05	8	PVC	0.010	1452725	0.00	363181	0.01
51	52	Bellflower Dr	61.76	56	16	7		22	170		1190	3740	304.5	53.15	51.70	0.48	8	PVC	0.010	700435	0.01	175109	0.02
52	52	Bellflower Dr	64.46	17	16	7		7	170		1190	1190	187	56.86	51.80	2.71	8	PVC	0.010	1669675	0.00	417419	0.00
52	51	Bellflower Dr	61.14	16	34	2		31	170		340	5270	206.5	51.64	48.70	1.42	8	PVC	0.010	1211131	0.00	302783	0.02
51	51	Spring Meadow Dr.	59.65	34	33	0		115	170		0	19550	117	48.70	48.29	0.35	10	PVC	0.010	1089440	0.02	272360	0.07
									170														
52	52	Fallcrest Ct.	63.81	9	10	3		3	170		510	510	75	55.99	54.94	1.40	8	PVC	0.010	1200996	0.00	300249	0.00
52	52	Fallcrest Ct.	62.19	10	11	5		8	170		850	1360	220	54.94	52.93	0.91	8	PVC	0.010	970206	0.00	242552	0.01
52	51	Spring Meadow Dr.	60.45	11	33	0		123	170		0	20910	58.5	52.85	52.60	0.43	8	PVC	0.010	663544	0.03	165886	0.13
51	52	Spring Meadow Dr.	59.47	33	3	0		238	170		0	40460	359	48.10	47.09	0.28	12	PVC	0.010	1587331	0.03	396833	0.10
52	52	Spring Meadow Dr.	59.28	3	1	0		238	170		0	40460	189	46.98	46.59	0.21	12	PVC	0.010	1359426	0.03	339856	0.12
51	51	Golden Willow Ave.	58.77	32	31	8		8	170		1360	1360	137	51.53	50.84	0.50	8	PVC	0.010	720347	0.00	180087	0.01
51	51	Golden Willow Ave.	58.49	31	30	4		12	170		680	2040	41	50.76	50.53	0.56	8	PVC	0.010	760238	0.00	190059	0.01
51	51	Golden Willow Ave.	57.79	30	29	16		28	170		2720	4760	223	50.43	49.32	0.50	8	PVC	0.010	716121	0.01	179030	0.03
51	46	Golden Willow Ave.	59.64	29	74	8		36	170		1360	6120	237	49.15	48.03	0.47	8	PVC	0.010	697770	0.01	174442	0.04
46	52	Golden Willow Ave.	58.30	74	1	12		48	170		2040	8160	251	47.98	46.59	0.55	8	PVC	0.010	755350	0.01	188837	0.04
52	47	Golden Willow Ave.	58.00	1	21	0		286	170		0	48620	183	46.52	45.75	0.42	12	PVC	0.010	1941216	0.03	485304	0.10
52	52	Springlawn Dr.	72.81	15	14	10		10	170		1700	1700	325.5	64.44	62.62	0.56	8	PVC	0.010	758993	0.00	189748	0.01
52	52	Springlawn Dr.	70.50	14	13	12		22	170		2040	3740	330	62.61	60.67	0.59	8	PVC	0.010	778254	0.00	194563	0.02
52	52	Springlawn Dr.	68.09	13	12	4		26	170		680	4420	170.5	60.65	59.87	0.46	8	PVC	0.010	686535	0.01	171634	0.03
52	52	Springlawn Dr.	67.02	12	8	4		30	170		680	5100	125	59.87	59.28	0.47	8	PVC	0.010	697346	0.01	174337	0.03
52	52	Springlawn Dr.	65.80	8	7	1		31	170		170	5270	37	59.11	58.87	0.65	8	PVC	0.010	817490	0.01	204372	0.03
52	52	Springlawn Dr.	65.54	7	6	10		41	170		1700	6970	260	58.87	52.87	2.31	8	PVC	0.010	1541936	0.00	385484	0.02
52	52	Springlawn Dr.	60.54	6	4	3		44	170		510	7480	134	52.87	49.16	2.77	8	PVC	0.010	1688931	0.00	422233	0.02
52	52	Fernlands Ct.	61.70	5	4	7		7	170		1190	1190	203	53.66	49.16	2.22	8	PVC	0.010	1511248	0.00	377812	0.00
52	47	Springlawn Dr.	57.61	4	21	4		55	170		680	9350	200	49.16	47.48	0.84	8	PVC	0.010	930287	0.01	232572	0.04
47	47	Spring Meadow Dr.	55.28	21	19	0		341	170		0	57970	210	45.67	43.24	1.16	12	PVC	0.010	3219197	0.02	804799	0.07
47	47	Spring Meadow Dr.	50.14	19	18	0		341	170		0	57970	169.5	43.17	40.56	1.54	12	PVC	0.010	3713552	0.02	928388	0.06
47	47	Jade Lawns Dr.		18	12	0		341	170		0	57970	37.5	40.45	40.07	1.01	8	PVC	0.010	1021771	0.06	255443	0.23

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Green Willows Dr.	53.30	17	15	8		8	170		1360	1360	81	45.95	43.79	2.67	8	PVC	0.010	1657532	0.00	414383	0.00
47	47	Green Willows Dr.	50.98	16	15	8		8	170		1360	1360	140	44.54	43.79	0.54	8	PVC	0.010	742923	0.00	185731	0.01
47	47	Green Willows Dr.	52.22	15	13	4		20	170		680	3400	142	43.79	42.42	0.96	8	PVC	0.010	996996	0.00	249249	0.01
47	47	Green Willows Dr.	49.92	14	13	8		8	170		1360	1360	172	43.67	42.38	0.75	8	PVC	0.010	879039	0.00	219760	0.01
47	47	Green Willows Dr.	50.73	13	12	4		32	170		680	5440	154	42.32	40.97	0.88	8	PVC	0.010	950351	0.01	237588	0.02
47	47	Jade Lawns Dr.	50.74	12	10	0		373	170		0	63410	69	40.07	39.33	1.07	12	PVC	0.010	3099170	0.02	774793	0.08
47	47	Jade Lawns Dr.	49.15	11	10	10		10	170		1700	1700	240.5	42.18	39.43	1.14	8	PVC	0.010	1085391	0.00	271348	0.01
47	47	Jade Lawns Dr.	50.70	10	7	16		399	170		2720	67830	355.5	39.19	38.31	0.25	12	PVC	0.010	1488935	0.05	372234	0.18
47	47	Greenlawns Dr.	49.63	1	2	12		12	170		2040	2040	190.5	42.93	42.04	0.47	8	PVC	0.010	693785	0.00	173446	0.01
47	47	Greenlawns Dr.	48.72	2	4	20		32	170		3400	5440	357	41.98	40.61	0.38	8	PVC	0.010	628787	0.01	157197	0.03
47	47	Greenlawns Dr.	45.69	5	4	8		8	170		1360	1360	140	41.22	40.68	0.39	8	PVC	0.010	630391	0.00	157598	0.01
47	47	Silverlawns Dr.	46.45	4	6	0		40	170		0	6800	219.5	40.57	39.51	0.48	8	PVC	0.010	705364	0.01	176341	0.04
47	47	Silverlawns Dr.	46.80	6	7	12		52	170		2040	8840	226	39.28	38.38	0.40	8	PVC	0.010	640537	0.01	160134	0.06
52	52	Morningside Ct.	70.80	25	24	3		3	170		510	510	217	61.94	59.45	1.15	8	PVC	0.010	1087295	0.00	271824	0.00
52	52	Morningside Ct.	67.82	24	23	0		3	170		0	510	42	59.39	58.89	1.19	8	PVC	0.010	1107485	0.00	276871	0.00
52	52	Morningside Ct.	67.30	23	22	2		5	170		340	850	129	58.80	56.91	1.47	8	PVC	0.010	1228608	0.00	307152	0.00
52	52	Morningside Ct.	65.28	22	21	2		7	170		340	1190	57	56.78	55.92	1.51	8	PVC	0.010	1246778	0.00	311695	0.00
52	52	Morningside Ct.	64.00	21	20	4		11	170		680	1870	241	55.88	49.50	2.65	8	PVC	0.010	1651503	0.00	412876	0.00
52	52	Morningside Ct.	71.92	28	27	1		1	3000		3000	3000	172	62.64	60.06	1.50	8	PVC	0.010	1243149	0.00	310787	0.01
52	52	Morningside Ct.	70.43	27	26	0		1	170		0	3000	155	59.96	57.79	1.40	8	PVC	0.010	1200996	0.00	300249	0.01
52	52	Morningside Ct.	Buried	26	20	0		1	170		0	3000	185	57.69	49.52	4.42	8	PVC	0.010	2133058	0.00	533264	0.01
52	47	Morningside Ct.	56.10	20	9	8		20	170		1360	6230	231	49.48	42.78	2.90	8	PVC	0.010	1728657	0.00	432164	0.01
47	47	Morningside Ct.	50.46	9	8	0		20	170		0	6230	216.5	42.68	41.19	0.69	8	PVC	0.010	842057	0.01	210514	0.03
47	47	Silverlawns Dr.	48.79	8	7	4		24	170		680	6910	189	41.00	38.34	1.41	8	PVC	0.010	1204169	0.01	301042	0.02
47	47	Silverlawns Dr.	47.38	7	22	0		475	170		0	83580	316	38.13	37.08	0.33	12	PVC	0.010	1725064	0.05	431266	0.19
47	47	Summerwinds Dr.	45.61	22	23	0		475	170		0	83580	104.5	37.00	36.71	0.28	12	PVC	0.010	1576504	0.05	394126	0.21
52	52	EverGreen Springs Dr.	70.47	73	72	8		8	170		1360	1360	239	64.34	63.15	0.50	8	PVC	0.010	716229	0.00	179057	0.01
52	52	EverGreen Springs Dr.	69.26	72	71	2		10	170		340	1700	55	62.98	62.75	0.42	8	PVC	0.010	656387	0.00	164097	0.01
52	52	EverGreen Springs Dr.	68.96	71	70	4		14	170		680	2380	164	62.67	61.93	0.45	8	PVC	0.010	681823	0.00	170456	0.01
52	52	Lilac Springs Ct.	73.84	74	70	14		14	170		2380	2380	343	65.78	61.93	1.12	8	PVC	0.010	1075377	0.00	268844	0.01
52	52	EverGreen Springs Dr.	72.05	70	69	5		33	170		850	5610	208	61.77	60.47	0.63	8	PVC	0.010	802449	0.01	200612	0.03
52	52	EverGreen Springs Dr.	76.52	69	68	2		35	170		340	5950	66	60.33	59.96	0.56	8	PVC	0.010	759987	0.01	189997	0.03
52	52	EverGreen Springs Dr.	74.89	68	66	13		48	170		2210	8160	330	59.83	57.97	0.56	8	PVC	0.010	762039	0.01	190510	0.04
52	52	EverGreen Springs Dr.	66.46	67	66	2		2	170		340	340	74	58.41	58.04	0.50	8	PVC	0.010	717732	0.00	179433	0.00
52	52	EverGreen Springs Dr.	68.17	66	65	1		51	170		170	8670	71	57.88	57.57	0.44	8	PVC	0.010	670701	0.01	167675	0.05
52	52	April Springs Ct.	67.00	65	64	4		55	170		680	9350	187	57.49	56.41	0.58	8	PVC	0.010	771380	0.01	192845	0.05
52	52	April Springs Ct.	65.01	64	62	1		56	170		170	9520	47	56.34	56.09	0.53	8	PVC	0.010	740284	0.01	185071	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	April Springs Ct.	73.60	63	62	14		14	170		2380	2380	340	65.96	56.09	2.90	8	PVC	0.010	1729404	0.00	432351	0.01
52	52	April Springs Ct.	64.73	62	61	1		71	170		170	12070	137	56.00	55.27	0.53	8	PVC	0.010	740932	0.02	185233	0.07
52	52	Offroad	67.23	61	60	5		76	170		850	12920	292	55.16	53.78	0.47	8	PVC	0.010	697791	0.02	174448	0.07
52	52	Brightwinds Ct.	65.60	60	59	7		83	170		1190	14110	174	53.68	53.04	0.37	8	PVC	0.010	615592	0.02	153898	0.09
52	52	Brightwinds Ct.	66.61	59	58	4		87	170		680	14790	93	52.75	52.34	0.44	8	PVC	0.010	673950	0.02	168488	0.09
52	52	Brightwinds Ct.	66.56	58	57	4		91	170		680	15470	174.5	52.19	51.36	0.48	8	PVC	0.010	700033	0.02	175008	0.09
52	52	Summerwinds Dr.	65.08	57	56	2		93	170		340	15810	51.5	51.24	51.03	0.41	8	PVC	0.010	648162	0.02	162040	0.10
52	52	Summerwinds Dr.	64.29	56	55	9		102	170		1530	17340	265	50.88	49.64	0.47	8	PVC	0.010	694329	0.02	173582	0.10
52	47	Summerwinds Dr.	59.16	55	26	12		114	170		2040	19380	300	49.42	40.38	3.01	8	PVC	0.010	1761980	0.01	440495	0.04
																	8						
47	47	Star Winds Ct.	51.74	27	26	5		5	170		850	850	211	43.26	40.21	1.45	8	PVC	0.010	1220355	0.00	305089	0.00
47	47	Summerwinds Dr.	48.79	26	25	9		128	170		1530	21760	238	40.12	38.65	0.62	8	PVC	0.010	797715	0.03	199429	0.11
47	47	Summerwinds Dr.	45.54	25	24	4		132	170		680	22440	151	38.59	37.65	0.62	8	PVC	0.010	800853	0.03	200213	0.11
47	47	Summerwinds Dr.	45.35	24	23	0		132	170		0	22440	153.5	37.59	37.01	0.38	8	PVC	0.010	623932	0.04	155983	0.14
47	47	Summerwinds Dr.	45.71	23	28	1		608	170		170	106190	72	36.71	36.58	0.18	12	PVC	0.010	1271626	0.08	317907	0.33
47	47	Summerwinds Dr.	46.26	28	29	1		609	170		170	106360	120.5	36.58	36.33	0.21	12	PVC	0.010	1363109	0.08	340777	0.31
47	47	Amberwinds Ct.	48.34	31	30	4		4	170		680	680	120	41.20	40.39	0.68	8	PVC	0.010	833929	0.00	208482	0.00
47	47	Amberwinds Ct.	47.78	30	29	10		14	170		1700	2380	294.5	40.25	36.73	1.20	8	PVC	0.010	1109701	0.00	277425	0.01
47	47	Amberwinds Ct.	46.30	29	32	1		624	170		170	108910	83.5	36.29	36.04	0.30	12	PVC	0.010	1637498	0.07	409375	0.27
47	47	Amberwinds Ct.	46.36	32	33	7		631	170		1190	110100	183	36.02	35.45	0.31	12	PVC	0.010	1670190	0.07	417548	0.26
47	47	Summerwinds Dr.	45.21	33	34	2		633	170		340	110440	148.5	35.35	34.96	0.26	12	PVC	0.010	1533639	0.07	383410	0.29
47	47	Summerwinds Dr.	43.98	34	35	0		633	170		0	110440	141	34.86	34.23	0.45	12	PVC	0.010	2000391	0.06	500098	0.22
47	47	Summerwinds Dr.	42.94	35	36	1		634	170		170	110610	124	34.17	34.00	0.14	12	PVC	0.010	1108071	0.10	277018	0.40
47	47	Summerwinds Dr.	48.91	38	37	16		16	170		2720	2720	400	41.00	38.03	0.74	8	PVC	0.010	874633	0.00	218658	0.01
47	47	Summerwinds Dr.	46.39	37	36	3		19	170		510	3230	154.5	37.94	34.32	2.34	8	PVC	0.010	1553701	0.00	388425	0.01
47	47	Summerwinds Dr.	45.14	36	39	0		653	170		0	113840	89	34.00	33.39	0.69	12	PVC	0.010	2477559	0.05	619390	0.18
52	52	Victoria Ct.	74.02	83	82	11		11	170		1870	1870	179	66.62	62.63	2.23	8	PVC	0.010	1515435	0.00	378859	0.00
52	52	Victoria Ct.	69.89	82	81	0		11	170		0	1870	86	62.49	61.45	1.21	8	PVC	0.010	1116207	0.00	279052	0.01
52	52	Lionshead Woods Blvd.	68.51	81	78	1		12	2000		2000	3870	312	61.45	60.23	0.39	8	PVC	0.010	634717	0.01	158679	0.02
52	52	Arlene Ct.	76.25	80	79	11		11	170		1870	1870	230	68.90	64.07	2.10	8	PVC	0.010	1470913	0.00	367728	0.01
52	52	Arlene Ct.	71.17	79	78	0		11	170		0	1870	46	64.00	63.04	2.09	8	PVC	0.010	1466338	0.00	366585	0.01
52	52	Lionshead Woods Blvd.	70.38	78	80	5		28	170		850	6590	229	60.17	56.85	1.45	8	PVC	0.010	1222162	0.01	305540	0.02
52	47	Cloverdale Dr.	62.99	80	79	2		30	170		340	6930	61	56.85	55.74	1.82	8	PVC	0.010	1369222	0.01	342306	0.02
47	47	Cloverdale Dr.	61.73	79	76	6		36	170		1020	7950	190	54.90	51.53	1.77	8	PVC	0.010	1351810	0.01	337952	0.02
52	52	Gayle Ct.	69.74	77	76	15		15	170		2550	2550	253	61.92	57.81	1.62	8	PVC	0.010	1293713	0.00	323428	0.01
52	47	Lionshead Woods Blvd.	64.96	76	78	0		15	170		0	2550	86	56.57	54.94	1.90	8	PVC	0.010	1397404	0.00	349351	0.01
47	47	Lionshead Woods Blvd.	61.85	78	76	0		15	170		0	2550	117	53.53	50.44	2.64	8	PVC	0.010	1649543	0.00	412386	0.01
52	47	Kramer Ct.	62.65	75	77	8		8	170		1360	1360	185	55.38	53.12	1.22	8	PVC	0.010	1121878	0.00	280470	0.00
47	47	Kramer Ct.	59.48	77	76	2		10	170		340	1700	102.2	52.23	51.57	0.65	8	PVC	0.010	815688	0.00	203922	0.01
47	47	Lionshead Woods Blvd.	58.03	76	69	0		61	170		0	12200	223	50.36	45.00	2.40	8	PVC	0.010	1573647	0.01	393412	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION					0.25 CAP.	AVG.% ALLOW
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL		
47	47	Devon Ct.	54.20	71	70	7		7	170		1190	1190	135	48.60	46.88	1.27	8	PVC	0.010	1145710	0.00	286428	0.00
47	47	Devon Ct.	53.43	70	69	2		9	170		340	1530	90	46.88	45.00	2.09	8	PVC	0.010	1467017	0.00	366754	0.00
48	47	Woodshill Dr. S	72.44	12	75	14		14	170		2380	2380	219	65.25	59.52	2.62	8	PVC	0.010	1641847	0.00	410462	0.01
47	47	Woodshill Dr. S	64.37	75	74	3		17	170		510	2890	114	59.52	56.29	2.83	8	PVC	0.010	1708544	0.00	427136	0.01
47	47	Martine Way	64.78	74	73	8		25	170		1360	4250	220	56.29	55.44	0.39	8	PVC	0.010	630922	0.01	157730	0.03
47	47	Martine Way	62.42	73	72	8		33	170		1360	5610	236	55.44	50.61	2.05	8	PVC	0.010	1452095	0.00	363024	0.02
47	47	Martine Way	57.19	72	69	4		37	170		680	6290	132	50.61	44.92	4.31	8	PVC	0.010	2107398	0.00	526850	0.01
47	47	Lionshead Woods Blvd.	53.18	69	68	0		107	170		0	20020	110	44.80	43.85	0.86	8	PVC	0.010	943285	0.02	235821	0.08
47	47	Lionshead Woods Blvd.	51.72	68	63	0		107	170		0	20020	128	43.85	42.70	0.90	8	PVC	0.010	962103	0.02	240526	0.08
48	47	Jean St.	67.23	11	67	12		12	170		2040	2040	248	60.40	59.22	0.48	8	PVC	0.010	700152	0.00	175038	0.01
47	47	Lionshead Woods Blvd.	63.95	67	66	0		12	170		0	2040	35	59.17	58.48	1.97	8	PVC	0.010	1425174	0.00	356294	0.01
47	47	Lionshead Woods Blvd.	63.93	66	65	4		16	170		680	2720	181	58.48	53.34	2.84	8	PVC	0.010	1710487	0.00	427622	0.01
47	47	Sailors Way	60.12	65	64	12		28	170		2040	4760	257	53.34	45.24	3.15	8	PVC	0.010	1801994	0.00	450499	0.01
47	47	Sailors Way	52.51	64	63	5		33	170		850	5610	214	45.24	42.82	1.13	8	PVC	0.010	1079390	0.01	269847	0.02
47	47	Lionshead Woods Blvd.	50.21	63	61	0		140	170		0	25630	35	42.70	42.54	0.46	8	PVC	0.010	686283	0.04	171571	0.15
47	47	Arden Ct.	50.81	62	61	9		9	170		1530	1530	155	43.74	42.74	0.65	8	PVC	0.010	815289	0.00	203822	0.01
47	47	Lionshead Woods Blvd.	49.95	61	60	0		149	170		0	27160	164	42.74	41.99	0.46	8	PVC	0.010	686414	0.04	171604	0.16
47	47	Lionshead Woods Blvd.	50.04	60	46	0		149	170		0	27160	94	41.99	41.68	0.33	8	PVC	0.010	582900	0.05	145725	0.19
47	47	Woodshill Dr. N	67.13	59	58	10		10	170		1700	1700	174	60.92	59.09	1.05	8	PVC	0.010	1040946	0.00	260237	0.01
47	47	Lionshead Woods Blvd.	65.99	58	57	5		15	170		850	2550	131	59.09	56.38	2.07	8	PVC	0.010	1459911	0.00	364978	0.01
47	47	Marni Dr.	63.11	57	56	3		18	170		510	3060	141	55.90	54.22	1.19	8	PVC	0.010	1107956	0.00	276989	0.01
47	47	Marni Dr.	60.51	56	51	5		23	170		850	3910	182	54.17	51.25	1.60	8	PVC	0.010	1285681	0.00	321420	0.01
47	47	Chaucer Ct.	63.56	55	54	6		6	170		1020	1020	62	57.32	57.10	0.35	8	PVC	0.010	604635	0.00	151159	0.01
47	47	Chaucer Ct.	63.67	54	53	6		12	170		1020	2040	172	57.10	56.42	0.40	8	PVC	0.010	638216	0.00	159554	0.01
47	47	Lionshead Woods Blvd.	62.54	53	51	0		12	170		0	2040	178	56.42	51.98	2.49	8	PVC	0.010	1603094	0.00	400773	0.01
47	47	Maple Crest Dr. S	58.28	52	51	8		8	170		1360	1360	39	51.47	51.25	0.56	8	PVC	0.010	762354	0.00	190588	0.01
47	47	Lionshead Woods Blvd.	58.45	51	48	0		43	170		0	7310	240	51.15	44.31	2.85	8	PVC	0.010	1713562	0.00	428391	0.02
47	47	Petty Place	52.90	49	48	8		8	170		1360	1360	152	45.02	44.42	0.39	8	PVC	0.010	637722	0.00	159430	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Joseph Dr.	52.34	50	48	8		8	170		1360	1360	139	45.24	44.27	0.70	8	PVC	0.010	847922	0.00	211980	0.01
47	47	Lionshead Woods Blvd.	51.25	48	47	0		59	170		0	10030	65	44.19	43.71	0.74	8	PVC	0.010	872251	0.01	218063	0.05
47	47	Lionshead Woods Blvd.	50.71	47	46	0		59	170		0	10030	112	43.71	42.56	1.03	8	PVC	0.010	1028531	0.01	257133	0.04
47	47	Lionshead Woods Blvd.	49.65	46	45	2		210	170		340	37530	130	41.61	41.18	0.33	8	PVC	0.010	583768	0.06	145942	0.26
47	47	Maple Crest Dr. N	50.49	45	44	11		221	170		1870	39400	229	41.18	40.13	0.46	8	PVC	0.010	687313	0.06	171828	0.23
47	47	Maple Crest Dr. N	50.18	44	43	0		221	170		0	39400	155	40.13	39.58	0.35	8	PVC	0.010	604635	0.07	151159	0.26
47	47	Offroad	50.36	43	39	0		221	170		0	39400	266	39.58	33.76	2.19	8	PVC	0.010	1501406	0.03	375351	0.10
47	47	Offroad	46.26	39	40	0		874	170		0	153240	328	33.39	30.26	0.95	12	PVC	0.010	2923408	0.05	730852	0.21
47	47	Offroad	43.44	40	41	0		874	170		0	153240	334	30.26	28.71	0.46	12	PVC	0.010	2038669	0.08	509667	0.30
47	47	Offroad	43.59	41	42	0		874	170		0	153240	247	28.71	27.56	0.47	12	PVC	0.010	2041994	0.08	510499	0.30
47	41	Offroad	43.13	42	22	0		874	170		0	153240	402	27.56	26.23	0.33	12	PVC	0.010	1721341	0.09	430335	0.36
41	41	Offroad	43.23	22	23	0		874	170		0	153240	340	26.23	25.16	0.31	12	PVC	0.010	1678829	0.09	419707	0.37
41	41	Offroad	40.85	23	24	0		874	170		0	153240	302	25.04	24.61	0.14	16	PVC	0.010	2431951	0.06	607988	0.25
41	41	Offroad	38.32	24	25	0		874	170		0	153240	155	24.61	24.38	0.15	16	DIP	0.013	1909760	0.08	477440	0.32
41	41	Offroad	37.47	25	26	0		874	170		0	153240	295	24.38	23.70	0.23	16	DIP	0.013	2380259	0.06	595065	0.26
41	41	Offroad	36.24	26	27	0		874	170		0	153240	337	23.70	23.08	0.18	16	DIP	0.013	2126482	0.07	531620	0.29
41	42	Offroad	36.54	27	1	0		874	170		0	153240	400	23.08	22.44	0.16	16	DIP	0.013	1983082	0.08	495771	0.31
42	42	Offroad	36.59	1	2	0		874	170		0	153240	399	22.44	21.67	0.19	16	DIP	0.013	2177909	0.07	544477	0.28
42	42	Offroad	31.46	2	3	0		874	170		0	153240	401	21.67	20.33	0.33	16	DIP	0.013	2865899	0.05	716475	0.21
42	42	Offroad	31.69	3	4	0		874	170		0	153240	392	20.33	18.60	0.44	16	DIP	0.013	3293523	0.05	823381	0.19
52	53	Greylawn Dr.	56.72	98	24	20		20	170		3400	3400	302	50.24	48.77	0.49	8	PVC	0.010	708162	0.00	177041	0.02
53	53	Greylawn Dr.	53.83	24	23	4		24	170		680	4080	155	48.66	47.95	0.46	8	PVC	0.010	686975	0.01	171744	0.02
53	53	Goldenedge Way	55.87	23	22	1		25	170		170	4250	98	47.88	47.45	0.44	8	PVC	0.010	672355	0.01	168089	0.03
53	53	Goldenedge Way	53.36	22	21	3		28	170		510	4760	184	47.37	46.68	0.37	8	PVC	0.010	621574	0.01	155394	0.03
53	53	Goldenedge Way	53.21	21	20	6		34	170		1020	5780	260	46.61	45.58	0.40	8	PVC	0.010	638865	0.01	159716	0.04
53	53	Goldenedge Way	53.72	20	19	6		40	170		1020	6800	160	45.53	44.92	0.38	8	PVC	0.010	626733	0.01	156683	0.04
53	53	Goldenedge Way	56.41	19	15	3		43	170		510	7310	178	44.86	44.15	0.40	8	PVC	0.010	641057	0.01	160264	0.05
52	52	Silverside Rd.	62.93	99	100	12		12	170		2040	2040	223	56.76	55.72	0.47	8	PVC	0.010	693173	0.00	173293	0.01
52	52	Silverside Rd.	68.29	100	101	16		28	170		2720	4760	238	55.60	54.53	0.45	8	PVC	0.010	680583	0.01	170146	0.03
52	53	Silverside Rd.	64.69	101	18	8		36	170		1360	6120	321	54.33	52.81	0.47	8	PVC	0.010	698468	0.01	174617	0.04
53	53	Silverside Rd.	65.71	18	17	15		51	170		2550	8670	397	52.52	50.29	0.56	8	PVC	0.010	760737	0.01	190184	0.05
53	53	Silverside Rd.	61.95	17	16	3		54	170		510	9180	75	50.28	50.00	0.37	8	PVC	0.010	620192	0.01	155048	0.06
53	53	Silverside Rd.	61.30	16	15	5		59	170		850	10030	165	49.75	49.03	0.44	8	PVC	0.010	670505	0.01	167626	0.06
53	53	Silverside Rd.	59.76	15	14	6		108	170		1020	18360	212	44.15	43.24	0.43	8	PVC	0.010	665013	0.03	166253	0.11
53	53	Silverside Rd.	57.43	14	13	3		111	170		510	18870	176	43.15	42.24	0.52	8	PVC	0.010	729864	0.03	182466	0.10
53	53	Offroad	53.35	13	12	0		111	170		0	18870	123	42.19	41.64	0.45	8	PVC	0.010	678744	0.03	169686	0.11
53	53	Offroad	55.76	12	11	0		111	170		0	18870	126.3	41.56	40.98	0.46	8	PVC	0.010	687844	0.03	171961	0.11
53	53	Four Seasons Dr.	46.14	11	10	0		1520	170		0	268864	95	40.98	40.60	0.40	12	PVC	0.010	1892710	0.14	473178	0.57
53	53	Offroad	?	10	9	0		1520	170		0	268864	295	40.60	39.58	0.35	12	PVC	0.010	1759718	0.15	439930	0.61
53	53	Offroad	45.84	9	7	0		1520	170		0	268864	147	39.58	39.25	0.22	12	PVC	0.010	1417922	0.19	354481	0.76
53	53	Deanne Dr.	46.38	8	7	6		6	170		1020	1020	170	41.48	39.26	1.31	8	PVC	0.010	1159924	0.00	289981	0.00
53	53	Deanne Dr.	42.48	7	5	0		1526	170		0	269884	77	39.21	39.01	0.26	12	PVC	0.010	1525189	0.18	381297	0.71

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53	Deanne Dr.	53.22	1	2	6		6	170		1020	1020	105	47.29	44.73	2.44	8	PVC	0.010	1584903	0.00	396226	0.00
53	53	Deanne Dr.	50.58	2	3	0		6	170		0	1020	101	44.73	40.86	3.83	8	PVC	0.010	1986883	0.00	496721	0.00
53	53	Lionshead Woods Blvd.	47.53	3	4	0		6	170		0	1020	129	40.75	40.06	0.53	8	PVC	0.010	742347	0.00	185587	0.01
48	48	Buttonwood Ct.	68.70	16	17	14		14	170		2380	2380	269	60.55	58.90	0.61	8	PVC	0.010	794956	0.00	198739	0.01
48	48	Buttonwood Ct.	67.69	17	18	0		14	170		0	2380	192	58.87	54.74	2.15	8	PVC	0.010	1488682	0.00	372170	0.01
48	48	Nicole Ct.	59.47	18	19	4		18	170		680	3060	79	54.74	51.84	3.67	8	PVC	0.010	1944746	0.00	486186	0.01
48	48	Nicole Ct.	59.71	19	20	12		30	170		2040	5100	371	51.84	43.96	2.12	8	PVC	0.010	1479291	0.00	369823	0.01
48	53	Nicole Ct.	52.35	20	4	0		30	170		0	5100	201	43.96	40.06	1.94	8	PVC	0.010	1413877	0.00	353469	0.01
53	53	Lionshead Woods Blvd.	47.38	4	5	0		36	170		0	6120	225	40.06	39.11	0.42	8	PVC	0.010	659550	0.01	164888	0.04
53	53	Lionshead Woods Blvd.	42.28	5	6	0		1562	170		0	276004	63	39.01	38.86	0.24	12	PVC	0.010	1460258	0.19	365064	0.76
53	48	Lionshead Woods Blvd.	45.22	6	36	8		1570	170		1360	277364	125	38.86	38.54	0.26	12	PVC	0.010	1514168	0.18	378542	0.73
48	48	Raymond Ct.	48.39	36	35	3		1573	170		510	277874	247	38.54	37.95	0.24	12	PVC	0.010	1462620	0.19	365655	0.76
48	48	Taylor Ct.	43.16	35	34	0		1573	170		0	277874	154	37.95	37.52	0.28	12	PVC	0.010	1581350	0.18	395337	0.70
48	48	Taylor Ct.	51.37	34	33	0		1573	170		0	277874	55	37.52	37.32	0.36	12	PVC	0.010	1804628	0.15	451157	0.62
48	48	Taylor Ct.	42.39	39	37	6		6	170		1020	1020	101	38.54	37.80	0.73	8	PVC	0.010	868826	0.00	217206	0.00
48	48	Taylor Ct.	43.51	38	37	0		0	170		0	0	149	38.35	37.80	0.37	8	PVC	0.010	616688	0.00	154172	0.00
48	48	Taylor Ct.	45.74	37	33	0		6	170		0	1020	47	37.80	37.53	0.57	8	PVC	0.010	769326	0.00	192331	0.01
48	48	Taylor Ct.	52.28	33	32	0		1579	170		0	278894	336	37.32	35.88	0.43	12	PVC	0.010	1959141	0.14	489785	0.57
48	48	Topaz Ct.	60.10	32	31	1		1580	170		170	279064	270	35.88	35.09	0.29	12	PVC	0.010	1618772	0.17	404693	0.69
48	48	Crown Circle	58.02	31	30	2		1582	170		340	279404	175	35.09	34.54	0.31	12	PVC	0.010	1677708	0.17	419427	0.67
48	48	Crown Circle	56.41	30	29	2		1584	170		340	279744	157	34.54	34.09	0.29	12	PVC	0.010	1602177	0.17	400544	0.70
48	48	Crown Circle	51.33	29	4	4		1588	170		680	280424	222	34.09	33.45	0.29	12	PVC	0.010	1606821	0.17	401705	0.70
48	48	Crown Circle	60.44	28	27	3		3	170		510	510	87	53.21	52.66	0.63	8	PVC	0.010	807048	0.00	201762	0.00
48	48	Crown Circle	60.68	27	26	6		9	170		1020	1530	307	52.62	50.69	0.63	8	PVC	0.010	804798	0.00	201200	0.01
48	48	Topaz Lane	58.55	26	24	5		14	170		850	2380	201	50.61	49.21	0.70	8	PVC	0.010	847117	0.00	211779	0.01
48	48	Ruby Ct.	58.24	25	24	4		4	170		680	680	170	50.28	49.38	0.53	8	PVC	0.010	738540	0.00	184635	0.00
48	48	Topaz Lane	57.42	24	23	2		20	170		340	3400	160	49.16	48.23	0.58	8	PVC	0.010	773854	0.00	193463	0.02
48	48	Topaz Lane	55.35	23	22	1		21	170		170	3570	65	48.13	47.64	0.75	8	PVC	0.010	881290	0.00	220322	0.02
48	48	Topaz Lane	55.56	22	21	1		22	170		170	3740	47	47.61	47.35	0.55	8	PVC	0.010	754945	0.00	188736	0.02
48	48	Topaz Lane	55.80	21	13	3		25	170		510	4250	260	47.30	45.76	0.59	8	PVC	0.010	781180	0.01	195295	0.02
48	48	Crown Circle	56.77	15	14	8		8	170		1360	1360	325	48.92	47.30	0.50	8	PVC	0.010	716627	0.00	179157	0.01
48	48	Crown Circle	55.43	14	13	7		15	170		1190	2550	300	47.08	45.58	0.50	8	PVC	0.010	717732	0.00	179433	0.01
48	48	Crown Circle	57.72	13	10	0		40	170		0	6800	96	45.58	45.22	0.37	8	PVC	0.010	621574	0.01	155394	0.04
48	48	Crown Circle	59.38	10	9	2		42	170		340	7140	317	45.19	43.83	0.43	8	PVC	0.010	664840	0.01	166210	0.04
48	48	Crown Circle	54.66	9	8	5		47	170		850	7990	234	43.80	42.69	0.47	8	PVC	0.010	699087	0.01	174772	0.05
48	48	Crown Circle	49.63	8	7	1		48	170		170	8160	150	42.66	41.99	0.45	8	PVC	0.010	678374	0.01	169594	0.05
48	48	Crown Circle	51.99	7	6	3		51	170		510	8670	225	41.93	40.86	0.48	8	PVC	0.010	699968	0.01	174992	0.05
48	48	Crown Circle	52.68	6	5	1		52	170		170	8840	140	40.77	40.14	0.45	8	PVC	0.010	680901	0.01	170225	0.05
48	48	Crown Circle	52.29	5	4	1		53	170		170	9010	109	40.12	39.71	0.38	8	PVC	0.010	622524	0.01	155631	0.06
48	48	Crown Circle	53.47	4	3	1		1642	170		170	289604	171	33.45	32.77	0.40	12	PVC	0.010	1887168	0.15	471792	0.61
48	48	Offroad	55.12	3	2	1		1643	170		170	289774	150	32.77	31.65	0.75	12	PVC	0.010	2585934	0.11	646484	0.45
48	48	Shorrock St.	54.53	2	1	0		1643	170		0	289774	325	31.65	30.46	0.37	12	PVC	0.010	1810864	0.16	452716	0.64
48	42	Shorrock St.	50.12	1	10	0		1643	170		0	289774	365	30.46	29.04	0.39	12	PVC	0.010	1866603	0.16	466651	0.62
42	42	Shorrock St.	44.30	10	9	0		1643	170		0	289774	355	29.04	27.55	0.42	12	PVC	0.010	1938800	0.15	484700	0.60
42	42	Shorrock St.	46.87	9	8	0		1643	170		0	289774	345	27.55	25.75	0.52	12	PVC	0.010	2161627	0.13	540407	0.54
42	42	Shorrock St.	43.05	8	7	0		1643	170		0	289774	345	25.75	24.29	0.42	12	PVC	0.010	1946798	0.15	486700	0.60
42	42	Shorrock St.	39.18	7	6	0		1643	170		0	289774	352	24.29	21.76	0.72	12	PVC	0.010	2537132	0.11	634283	0.46
42	42	Shorrock St.	35.11	6	4	0		1643	170		0	289774	265	21.76	19.04	1.03	12	PVC	0.010	3031905	0.10	757976	0.38
42	42	Shorrock St.	27.94	4	5	0		2517	170		0	443014	210	19.04	16.93	1.00	18	DIP	0.013	6803291	0.07	1700823	0.26
42	36	Shorrock St.	27.06	5	22	0		2517	170		0	443014	114	16.93	16.45	0.42	18	DIP	0.013	4404085	0.10	1101021	0.40
36	36	Shorrock St.	26.35	22	21	0		2517	170		0	443014	66	16.04	15.81	0.35	24	DIP	0.013	8628780	0.05	2157195	0.21
36	36	Shorrock St.	25.15	21	20	0		2517	170		0	443014	191	15.81	15.50	0.16	24	DIP	0.013	5888729	0.08	1472182	0.30
					OCUA																		

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	ROUTE 70	38.69	26	27	2		2	2000		4000	4000	154	32.28	31.36	0.60	8	PVC	0.010	784533	0.01	196133	0.02
36	36	ROUTE 70	39.02	27	26	1		3	4000		4000	8000	40	31.28	31.08	0.50	8	PVC	0.010	717732	0.01	179433	0.04
36	36	ROUTE 70	39.35	35	36	1		1	2000		2000	2000	140	33.55	32.53	0.73	8	PVC	0.010	866390	0.00	216598	0.01
36	35	ROUTE 70	38.61	36	28	0		1	2000		0	2000	272	32.43	31.08	0.50	8	PVC	0.010	715089	0.00	178772	0.01
35	36	ROUTE 70	38.90	28	29	0		4	2000		0	10000	54	31.00	30.67	0.61	8	PVC	0.010	793483	0.01	198371	0.05
36	36	ROUTE 70	39.27	29	30	0		4	2000		0	10000	61	30.67	30.42	0.41	8	PVC	0.010	649804	0.02	162451	0.06
36	36	ROUTE 70	41.95	30	31	0		4	2000		0	10000	143	30.40	29.37	0.72	8	PVC	0.010	861446	0.01	215361	0.05
36	36	ROUTE 70	42.28	31	32	0		4	2000		0	10000	61	29.32	29.05	0.44	8	PVC	0.010	675296	0.01	168824	0.06
36	36	PARKING LOT	41.05	32	33	0		4	2000		0	10000	199	28.97	27.04	0.97	8	PVC	0.010	999608	0.01	249902	0.04
36	36		39.24	33	34	0		4	2000		0	10000	59	26.89	26.20	1.17	8	PVC	0.010	1097681	0.01	274420	0.04
36	35		37.88	34	8	0		4	2000		0	10000	40	26.13	25.81	0.80	8	PVC	0.010	907867	0.01	226967	0.04
35	35		38.01	8	12	0		4	2000		0	10000	74	25.76	25.42	0.46	8	PVC	0.010	688020	0.01	172005	0.06
35	35		37.74	12	17	0		4	2000		0	10000	261	25.36	24.01	0.52	8	PVC	0.010	730002	0.01	182501	0.05
35	35		37.27	17	18	0		4	2000		0	10000	377	23.91	22.22	0.45	8	PVC	0.010	679595	0.01	169899	0.06
35	35		36.32	18	19	0		4	2000		0	10000	396	22.17	20.30	0.47	8	PVC	0.010	697510	0.01	174378	0.06
35	35		34.90	19	-	0		4	2000		0	10000	168	20.20	19.60	0.36	8	PVC	0.010	606594	0.02	151649	0.07
35	35		35.00	-	-	0		4	2000		0	10000	153	19.50	18.88	0.41	8	PVC	0.010	646141	0.02	161535	0.06
35	41		32.78	-	17	0		4	2000		0	10000	34	18.78	17.83	2.79	8	PVC	0.010	1696679	0.01	424170	0.02
					OCUA																		

Appendix C

Sewer Chart- Future Calculations for Maximum Buildout Conditions

LTMUA SEWER CHART FUTURE- MAXIMUM BUILDOUT

What is in line

SHEET	SHEET (End)	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	UNIT FLOW	Buildout Flow	Total	CUM. FLOW	SANITARY SEWER PROFILE				PIPE INFORMATION			GPD		GPD	
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Ventura Drive	28.20	1	2	5		5	300		1500	1500	300	24.40	23.20	0.40	8	ACP	0.013	493815	0.00	123454	0.01
3	3	Ventura Drive	26.83	2	3	5		10	300		1500	3000	270	22.76	21.66	0.41	8	ACP	0.013	498366	0.01	124592	0.02
3	3	Ventura Drive	27.13	3	4	6		16	300		1800	4800	300	21.66	20.46	0.40	8	ACP	0.013	493815	0.01	123454	0.04
3	3	Ventura Drive	25.63	4	5	5		21	300		1500	6300	300	20.46	19.26	0.40	8	ACP	0.013	493815	0.01	123454	0.05
3	3	Ventura Drive	25.49	5	6	4		25	300		1200	7500	212	19.26	18.41	0.40	8	ACP	0.013	494397	0.02	123599	0.06
3	3	Coronado Street	28.39	9	8	5		5	300		1500	1500	200	22.41	21.21	0.60	8	ACP	0.013	604797	0.00	151199	0.01
3	3	Coronado Street	27.55	8	7	5		10	300		1500	3000	300	21.21	19.41	0.60	8	ACP	0.013	604797	0.00	151199	0.02
3	3	Coronado Street	25.71	7	6	3		13	300		900	3900	250	19.41	18.41	0.40	8	ACP	0.013	493815	0.01	123454	0.03
3	3	Ventura Drive	24.18	6	13	5		43	300		1500	12900	350	18.41	17.01	0.40	8	ACP	0.013	493815	0.03	123454	0.10
2	2	Ridge Avenue	30.90	20	21	3		3	300		900	900	260	26.83	25.53	0.50	8	ACP	0.013	552102	0.00	138025	0.01
2	2	Ridge Avenue	29.70	21	22	4		7	300		1200	2100	360	25.53	24.09	0.40	8	ACP	0.013	493815	0.00	123454	0.02
2	2	Delmar Road	27.91	22	23	5		12	300		1500	3600	300	24.09	22.89	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	3	Delmar Road	28.93	23	10	8		20	300		2400	6000	400	22.89	20.45	0.61	8	ACP	0.013	609816	0.01	152454	0.04
3	3	Delmar Road	26.89	10	11	6		26	300		1800	7800	400	20.45	19.25	0.30	8	ACP	0.013	427656	0.02	106914	0.07
2	2	Todd Court	44.86	18	17	4		4	300		1200	1200	80	41.17	40.85	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	2	Todd Court	45.36	17	16	6		10	300		1800	3000	303	40.85	39.64	0.40	8	ACP	0.013	493407	0.01	123352	0.02
2	2	Todd Court	46.91	16	14	2		12	300		600	3600	250	39.64	38.64	0.40	8	ACP	0.013	493815	0.01	123454	0.03
2	2	County Line Road East	50.00	14	15	2		53	300		600	24600	151	38.56	38.12	0.29	8	ACP	0.013	421475	0.06	105369	0.23
2	5	County Line Road East	49.48	15	23	0		53	300		0	24600	145	38.12	37.54	0.40	8	ACP	0.013	493815	0.05	123454	0.20
2	2	Scott Court	43.68	19	25	5		5	300		1500	1500	200	39.68	38.88	0.40	8	ACP	0.013	493815	0.00	123454	0.01
2	5	Scott Court	44.68	25	23	5		10	300		1500	3000	385	38.88	37.54	0.35	8	ACP	0.013	460634	0.01	115159	0.03
5	5	Lanes Mill Road	?	16	17	5		5	300		1500	1500	400	42.64	41.84	0.20	8	ACP	0.013	349180	0.00	87295	0.02
5	5	Lanes Mill Road	47.70	17	18	2		7	300		600	2100	154	41.84	41.53	0.20	8	ACP	0.013	350312	0.01	87578	0.02
5	5	Lanes Mill Road	48.60	19	18	4		4	300		1200	1200	228	41.99	41.53	0.20	8	ACP	0.013	350708	0.00	87677	0.01
5	5	Alvarado Avenue	47.92	18	*/	2		13	300		600	3900	125	41.53	41.28	0.20	8	ACP	0.013	349180	0.01	87295	0.04
5	5	Alvarado Avenue	47.90	20	21	5		18	300		1500	5400	360	41.28	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.04
5	5	Pasadena Street	47.60	25	24	6		6	300		1800	1800	260	42.18	41.14	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Pasadena Street	46.60	24	21	3		9	300		900	2700	325	41.14	39.84	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	5	Alvarado Avenue	46.05	21	22	4		31	300		1200	9300	250	39.84	38.84	0.40	8	ACP	0.013	493815	0.02	123454	0.08
5	5	Alvarado Avenue	46.20	22	23	6		37	300		1800	11100	325	38.84	37.54	0.40	8	ACP	0.013	493815	0.02	123454	0.09
5	6	County Line Road East	49.06	23	1	0		100	300		0	38700	340	37.54	36.18	0.40	8	ACP	0.013	493815	0.08	123454	0.31
5	6	Cindy Court	47.85	29	5	10		10	300		3000	3000	396.9	40.91	39.32	0.40	8	ACP	0.013	494188	0.01	123547	0.02
6	6	Cindy Court	49.83	5	4	2		12	300		600	3600	321.7	39.32	38.03	0.40	8	ACP	0.013	494428	0.01	123607	0.03
6	6	Cindy Court	50.80	4	3	4		16	300		1200	4800	153.3	38.03	37.41	0.40	8	ACP	0.013	496545	0.01	124136	0.04
6	6	Cindy Court	49.30	3	1	3		19	300		900	5700	206.8	37.41	36.18	0.59	8	ACP	0.013	602159	0.01	150540	0.04
6	6	County Line Road	47.40	2	1	2		2	300		600	600	200	42.50	41.70	0.40	8	ACP	0.013	493815	0.00	123454	0.00
6	3	Hermosa Drive	47.80	1	23	3		124	300		900	45900	296	36.18	35.00	0.40	8	ACP	0.013	492980	0.09	123245	0.37
3	3	Carmel Court	39.83	24	23	6		6	300		1800	1800	357	36.43	35.00	0.40	8	ACP	0.013	494160	0.00	123540	0.01
3	3	Hermosa Drive	42.74	23	22	4		134	300		1200	48900	254	35.00	33.98	0.40	8	ACP	0.013	494786	0.10	123696	0.40
3	3		39.92	22	19	2		136	300		600	49500	319	33.98	24.87	2.86	8	ACP	0.013	1319465	0.04	329866	0.15

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
3	3	Mendocino Court	35.83	21	20	5		5	300		1500	1500	100	29.34	28.37	0.97	8	ACP	0.013	768989	0.00	192247	0.01
3	3	Mendocino Court	34.83	20	19	6		11	300		1800	3300	350	28.37	24.87	1.00	8	ACP	0.013	780790	0.00	195197	0.02
3	3	Hermosa Drive	31.33	19	18	1		148	300		300	53100	281	24.87	23.46	0.50	8	ACP	0.013	553083	0.10	138271	0.38
3	3	Hermosa Drive	29.71	18	11	1		149	300		300	53400	244	23.46	22.00	0.60	8	ACP	0.013	603970	0.09	150993	0.35
3	3	Del Mar Road	28.48	11	12	7		182	300		2100	63300	363	19.25	18.16	0.30	10	ACP	0.013	775748	0.08	193937	0.33
3	3	Del Mar Road	26.32	12	13	5		187	300		1500	64800	383	18.16	17.01	0.30	10	ACP	0.013	775730	0.08	193932	0.33
3	3	Ventura Drive	24.04	13	14	5		235	300		1500	79200	324	17.01	16.30	0.22	12	ACP	0.013	1077624	0.07	269406	0.29
3	3	offroad	22.04	14	15N	0		235	300		0	79200	130	16.30	16.01	0.22	12	ACP	0.013	1087272	0.07	271818	0.29
3	3		24.00	15N	OCUA	0		235	300		0	79200	30	16.01	15.94	0.22	12	ACP	0.013	1087896	0.07	271974	0.29
3	3	ABANDONED	25.70	16	17	0		0	300		0	0	400	14.85	13.97	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
3	6	ABANDONED	21.90	17	16	0		0	300		0	0	400	13.97	13.09	0.22	12	ACP	0.013	1079747	0.00	269937	0.00
6	6	ABANDONED	25.90	16	17	0		0	300		0	0	325	13.09	12.37	0.22	12	ACP	0.013	1083516	0.00	270879	0.00
6	6	Ann Court	48.40	6	7	5		5	300		1500	1500	215	43.68	42.82	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	County Line Road	47.40	7	8	1		6	300		300	1800	170	42.72	41.00	1.01	8	ACP	0.013	785369	0.00	196342	0.01
6	6	County Line Road	46.50	8	9	5		11	300		1500	3300	339	41.00	39.64	0.40	8	ACP	0.013	494543	0.01	123636	0.03
6	6	Cambria Court	39.83	11	10	5		5	300		1500	1500	172	36.97	36.28	0.40	8	ACP	0.013	494532	0.00	123633	0.01
6	6	Cambria Court	42.57	10	9	2		7	300		600	2100	240	36.28	35.32	0.40	8	ACP	0.013	493815	0.00	123454	0.02
6	6	County Line Road	45.40	9	13	4		22	300		1200	6600	314	35.32	34.06	0.40	8	ACP	0.013	494600	0.01	123650	0.05
6	6	Pismo Court	42.79	12	13	4		4	300		1200	1200	195	39.00	35.80	1.64	8	ACP	0.013	1000211	0.00	250053	0.00
6	6	Pismo Court	44.46	13	14	4		30	300		1200	9000	300	34.06	32.00	0.69	8	ACP	0.013	647004	0.01	161751	0.06
6	6	Pismo Court	37.30	14	15	5		35	300		1500	10500	265	32.00	22.22	3.69	8	ACP	0.013	1499963	0.01	374991	0.03
9	9	Barrymore Drive	44.00	23	24	6		6	300		1800	1800	300	36.55	32.35	1.40	8	ACP	0.013	923843	0.00	230961	0.01
9	6	Barrymore Drive	39.50	24	49	4		10	300		1200	3000	270	32.35	29.65	1.00	8	ACP	0.013	780790	0.00	195197	0.02
6	6	Hidden Lane	36.20	49	48	4		14	300		1200	4200	290	29.65	22.40	2.50	8	ACP	0.013	1234537	0.00	308634	0.01
9	9	Hidden Lane	40.84	25	26	5		5	300		1500	1500	300	33.90	25.50	2.80	8	ACP	0.013	1306511	0.00	326628	0.00
9	9	Hidden Lane	31.65	26	27	5		10	300		1500	3000	250	25.50	24.50	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Hidden Lane	30.37	27	28	6		16	300		1800	4800	250	24.50	23.50	0.40	8	ACP	0.013	493815	0.01	123454	0.04
9	6	Hidden Lane	29.12	28	48	5		21	300		1500	6300	275	23.50	22.40	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	offroad	29.20	48	47	1		36	300		300	10800	230	22.40	21.45	0.41	8	ACP	0.013	501802	0.02	125450	0.09
6	6	offroad	25.00	47	40	0		36	300		0	10800	190	21.45	20.40	0.55	8	ACP	0.013	580433	0.02	145108	0.07
6	6	Redondo Lane	40.33	37	38	8		8	300		2400	2400	400	33.40	30.60	0.70	8	ACP	0.013	653256	0.00	163314	0.01
6	6	Redondo Lane	37.93	38	39	5		13	300		1500	3900	300	30.60	28.50	0.70	8	ACP	0.013	653256	0.01	163314	0.02
6	6	Redondo Lane	34.58	39	40	5		18	300		1500	5400	220	28.50	20.40	3.68	8	ACP	0.013	1498184	0.00	374546	0.01
6	6	Redondo Lane	27.20	40	41	5		59	300		1500	17700	300	20.40	18.30	0.70	8	ACP	0.013	653256	0.03	163314	0.11
6	6	Malibu Drive	38.75	45	44	2		2	300		600	600	160	32.00	31.20	0.50	8	ACP	0.013	552102	0.00	138025	0.00
6	6	Malibu Drive	41.06	46	44	4		4	300		1200	1200	230	33.35	31.20	0.93	8	ACP	0.013	754900	0.00	188725	0.01
6	6	Rockaway Road	39.70	44	43	6		12	300		1800	3600	400	31.20	26.64	1.14	8	ACP	0.013	833655	0.00	208414	0.02
6	6	Rockaway Road	34.50	43	42	6		18	300		1800	5400	330	26.64	22.88	1.14	8	ACP	0.013	833434	0.01	208358	0.03
6	6	Rockaway Road	30.21	42	41	4		22	300		1200	6600	398	22.88	18.30	1.15	8	ACP	0.013	837578	0.01	209395	0.03
6	6	Redondo Lane	25.00	41	19	5		86	300		1500	25800	344	18.30	16.92	0.40	8	ACP	0.013	494532	0.05	123633	0.21
6	6	Newport Drive	?	29	28	7		7	300		2100	2100	370	41.13	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.02
																						0	

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
6	6	Carol Court	?	26	27	3		3	300		900	900	160	40.97	40.33	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Carol Court	?	27	28	2		5	300		600	1500	170	40.33	39.65	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Newport Drive	?	28	24	4		16	300		1200	4800	325	39.65	38.36	0.40	8	ACP	0.013	491912	0.01	122978	0.04
6	6	Sean Court	?	25	24	5		5	300		1500	1500	220	39.25	38.36	0.40	8	ACP	0.013	496613	0.00	124153	0.01
6	6	Newport Drive	?	24	23	1		22	300		300	6600	130	38.36	37.84	0.40	8	ACP	0.013	493815	0.01	123454	0.05
6	6	Newport Drive	?	23	22	2		24	300		600	7200	110	37.84	37.40	0.40	8	ACP	0.013	493815	0.01	123454	0.06
6	6	Newport Drive	43.48	22	21	6		30	300		1800	9000	400	37.40	35.80	0.40	8	ACP	0.013	493815	0.02	123454	0.07
6	6	Newport Drive	43.84	21	20	8		38	300		2400	11400	400	35.80	34.20	0.40	8	ACP	0.013	493815	0.02	123454	0.09
6	6	Newport Drive	38.74	20	19	6		44	300		1800	13200	400	34.20	18.85	3.84	8	ACP	0.013	1529531	0.01	382383	0.03
6	6	Redondo Lane	25.00	19	18	2		132	300		600	39600	142	16.92	16.35	0.40	8	ACP	0.013	494683	0.08	123671	0.32
6	6	Redondo Lane	25.80	18	15	3		135	300		900	40500	296	16.35	15.17	0.40	8	ACP	0.013	492980	0.08	123245	0.33
6	6	County Line Rd.	27.45	15	OCUA	0		170	300		0	51000	235	15.17	14.23	0.40	12	ACP	0.013	1455931	0.04	363983	0.14
6	6	Lanes Mill Road	?	32	33	3		3	300		900	900	367	38.00	36.52	0.40	8	ACP	0.013	495829	0.00	123957	0.01
6	6	Lanes Mill Road	?	33	34	3		6	300		900	1800	350	36.52	35.12	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	41.87	36	35	5		5	300		1500	1500	250	37.00	36.00	0.40	8	ACP	0.013	493815	0.00	123454	0.01
6	6	Malibu Drive	44.95	35	34	3		8	300		900	2400	180	36.00	35.12	0.49	8	ACP	0.013	545933	0.00	136483	0.02
6	9	offroad	44.45	34	5	2		16	300		600	4800	195	35.12	34.53	0.30	10	ACP	0.013	778699	0.01	194675	0.02
9	9	offroad	42.50	5	4	1		17	300		300	5100	220	34.53	33.81	0.33	10	ACP	0.013	809871	0.01	202468	0.03
9	9	Laguna Lane	39.00	4	3	9		26	300		2700	7800	400	33.81	32.61	0.30	10	ACP	0.013	775392	0.01	193848	0.04
9	9		40.80	3	2	2		28	300		600	8400	163	32.61	32.12	0.30	10	ACP	0.013	776185	0.01	194046	0.04
6	6	Long Beach Avenue	46.15	31	30	8		8	300		2400	2400	398	40.19	36.61	0.90	8	ACP	0.013	740515	0.00	185129	0.01
6	9	Long Beach Avenue	43.27	30	2	3		11	300		900	3300	278	36.61	34.11	0.90	8	ACP	0.013	740426	0.00	185107	0.02
9	9	Long Beach Avenue	41.80	2	1	2		41	300		600	12300	188	32.12	31.55	0.30	10	ACP	0.013	779506	0.02	194876	0.06
9	8	Long Beach Avenue	43.04	1	43	5		46	300		1500	13800	340	31.55	30.53	0.30	10	ACP	0.013	775392	0.02	193848	0.07
8	8	Long Beach Avenue	42.76	43	42	5		51	300		1500	15300	400	30.53	29.33	0.30	10	ACP	0.013	775392	0.02	193848	0.08
8	8	Long Beach Avenue	40.76	42	40	3		54	300		900	16200	250	29.33	28.58	0.30	10	ACP	0.013	775392	0.02	193848	0.08
5	5	Cedarwood Drive	47.68	15	14	3		3	300		900	900	215	40.30	39.03	0.59	8	ACP	0.013	600090	0.00	150023	0.01
5	5	Cedarwood Drive	46.29	14	11	6		9	300		1800	2700	400	39.03	37.44	0.40	8	ACP	0.013	492269	0.01	123067	0.02
5	5	Kerry Court	?	13	12	6		6	300		1800	1800	250	38.62	37.63	0.40	8	ACP	0.013	491339	0.00	122835	0.01
5	5	Kerry Court	?	12	11	2		8	300		600	2400	150	37.63	37.03	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	5	Cedarwood Drive	43.40	11	10	1		18	300		300	5400	130	37.03	36.36	0.52	8	ACP	0.013	560531	0.01	140133	0.04
5	5	Cedarwood Drive	43.77	10	7	2		20	300		600	6000	256	36.36	35.34	0.40	8	ACP	0.013	492849	0.01	123212	0.05
5	5	Joe Parker Road	?	6	7	6		6	300		1800	1800	400	36.70	35.10	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Joe Parker Road	43.10	7	8	3		29	300		900	8700	245	34.77	33.80	0.40	8	ACP	0.013	491289	0.02	122822	0.07
5	5	Joe Parker Road	?	8	9	3		32	300		900	9600	290	33.80	32.65	0.40	8	ACP	0.013	491682	0.02	122920	0.08
5	8	Joe Parker Road	?	9	41	6		38	300		1800	11400	350	32.65	31.24	0.40	8	ACP	0.013	495575	0.02	123894	0.09
8	8	Joe Parker Road	?	41	40	4		42	300		1200	12600	365	30.05	28.58	0.40	8	ACP	0.013	495503	0.03	123876	0.10
8	8	Joe Parker Road	39.70	40	39	1		97	300		300	29100	200	28.58	27.41	0.58	10	ACP	0.013	1082776	0.03	270694	0.11
8	8	offroad	37.97	39	31	8		105	300		2400	31500	260	27.41	24.21	1.23	10	ACP	0.013	1570540	0.02	392635	0.08
5	5	Paris Court	42.90	1	2	5		5	300		1500	1500	295	35.72	34.54	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Paris Court	42.60	2	3	5		10	300		1500	3000	310	34.54	33.30	0.40	8	ACP	0.013	493815	0.01	123454	0.02
5	8	offroad	?	3	1	2		12	300		600	3600	250	33.30	32.31	0.40	8	ACP	0.013	491339	0.01	122835	0.03
8	8	Medina Road	?	1	2	4		16	300		1200	4800	115	32.14	31.68	0.40	10	ACP	0.013	895346	0.01	223836	0.02
8	8	Medina Road	?	2	4	3		19	300		900	5700	210	31.68	30.84	0.40	10	ACP	0.013	895346	0.01	223836	0.03
8	8	Medina Court	?	3	4	6		6	300		1800	1800	270	32.10	31.01	0.40	8	ACP	0.013	496096	0.00	124024	0.01
8	8	Medina Road	?	4	5	6		31	300		1800	9300	240	30.84	29.88	0.40	10	ACP	0.013	895346	0.01	223836	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Medina Road	?	9	8	10		10	300		3000	3000	395	35.37	33.80	0.40	8	ACP	0.013	492250	0.01	123062	0.02
8	8	Medina Road	?	8	7	10		20	300		3000	6000	400	33.80	32.19	0.40	8	ACP	0.013	495356	0.01	123839	0.05
8	8	Medina Road	?	7	6	5		25	300		1500	7500	235	32.19	31.24	0.40	8	ACP	0.013	496434	0.02	124109	0.06
8	8	Medina Road	?	6	5	8		33	300		2400	9900	300	31.24	30.05	0.40	8	ACP	0.013	491753	0.02	122938	0.08
8	8	offroad	?	5	23	0		33	300		0	9900	166	29.88	29.21	0.40	10	ACP	0.013	900723	0.01	225181	0.04
8	8	offroad	?	23	24	0		33	300		0	9900	27	29.21	29.10	0.40	10	CIP	0.013	895346	0.01	223836	0.04
8	8	offroad	38.50	24	25	0		33	300		0	9900	390	29.10	28.21	0.23	10	CIP	0.013	676275	0.01	169069	0.06
8	8	offroad	?	25	26	0		33	300		0	9900	102	26.41	26.09	0.31	10	CIP	0.013	792932	0.01	198233	0.05
8	8	offroad	30.72	26	27	0		33	300		0	9900	45	26.09	25.93	0.36	10	ACP	0.013	844140	0.01	211035	0.05
8	8	offroad	31.90	27	28	10		43	300		3000	12900	109	25.93	25.65	0.26	10	ACP	0.013	717508	0.02	179377	0.07
8	8	offroad	32.94	28	29	8		51	300		2400	15300	112	25.66	25.28	0.34	10	ACP	0.013	824600	0.02	206150	0.07
8	8	offroad	34.29	29	30	0		51	300		0	15300	249	25.28	24.52	0.31	10	ACP	0.013	782110	0.02	195528	0.08
8	8	offroad	33.83	30	31	10		61	300		3000	18300	190	24.55	24.20	0.18	10	ACP	0.013	607600	0.03	151900	0.12
8	8	offroad	31.84	31	32	8		174	300		2400	52200	150	24.24	24.12	0.08	12	ACP	0.013	651112	0.08	162778	0.32
8	8	offroad	36.50	34	33	8		8	300		2400	2400	145	33.00	29.90	2.14	6	ACP	0.013	530104	0.00	132526	0.02
8	8	offroad	38.40	33	32	8		16	300		2400	4800	160	29.90	26.10	2.38	8	ACP	0.013	1203278	0.00	300819	0.02
8	8	offroad	35.50	32	35	8		198	300		2400	59400	330	24.12	23.65	0.14	12	ACP	0.013	868766	0.07	217191	0.27
8	8	offroad	35.50	35	36	8		206	300		2400	61800	73	23.65	23.44	0.29	12	ACP	0.013	1234693	0.05	308673	0.20
8	8	offroad	36.70	36	37	0		206	300		0	61800	530	23.44	22.64	0.15	12	ACP	0.013	894371	0.07	223593	0.28
8	8	offroad	?	37	38	0		206	300		0	61800	410	22.64	22.00	0.16	12	ACP	0.013	909513	0.07	227378	0.27
8	12	offroad	?	38	17	0		206	300		0	61800	340	22.00	21.43	0.17	12	ACP	0.013	942559	0.07	235640	0.26
12	12	offroad	?	17	18	0		206	300		0	61800	275	21.34	20.95	0.14	12	ACP	0.013	866915	0.07	216729	0.29
12	12	offroad	?	18	22	0		206	300		0	61800	315	20.95	20.39	0.18	12	ACP	0.013	970621	0.06	242655	0.25
12	12	offroad	33.30	22	21	12		218	300		3600	65400	400	20.39	19.66	0.18	12	ACP	0.013	983427	0.07	245857	0.27
12	12	Baltusrol Court	31.62	28	25	36		36	300		10800	10800	320	23.16	22.25	0.28	8	ACP	0.013	416370	0.03	104093	0.10
12	12	Baltusrol Court	32.84	26	25	12		12	300		3600	3600	123	25.46	22.25	2.61	8	ACP	0.013	1261345	0.00	315336	0.01
12	12	Baltusrol Court	30.59	25	21	0		48	300		0	14400	126	22.25	21.80	0.36	8	ACP	0.013	466611	0.03	116653	0.12
12	12	Baltusrol Court	34.10	19	21	24		24	300		7200	7200	290	24.45	21.80	0.91	8	ACP	0.013	746377	0.01	186594	0.04
12	12	Baltusrol Court	28.60	21	24	0		290	300		0	87000	68	19.66	19.53	0.19	12	ACP	0.013	1006533	0.09	251633	0.35
12	12	Baltusrol Court	31.10	20	24	12		12	300		3600	3600	191	23.05	20.20	1.49	8	ACP	0.013	953762	0.00	238440	0.02
12	12	Baltusrol Court	28.10	24	27	24		326	300		7200	97800	385	19.53	18.67	0.22	12	ACP	0.013	1088002	0.09	272000	0.36
7	7	Ocean County Park	51.40	1	2	1		1	300		2000	2000	135	44.80	44.10	0.52	8	PVC	0.010	730903	0.00	182726	0.01
7	7	New Hampshire	50.50	2	3	0		1	300		0	2000	165	43.90	43.04	0.52	8	PVC	0.010	732799	0.00	183200	0.01
7	7	New Hampshire	50.00	3	4	0		1	300		0	2000	196	42.74	41.72	0.52	8	PVC	0.010	732233	0.00	183058	0.01
7	7	New Hampshire	49.40	4	5	0		1	300		0	2000	197	41.62	40.59	0.52	8	PVC	0.010	733944	0.00	183486	0.01
7	7	New Hampshire	49.07	5	6	0		1	300		0	2000	199	39.94	38.90	0.52	8	PVC	0.010	733783	0.00	183446	0.01
7	7	New Hampshire	47.13	6	7	0		1	300		0	2000	192	38.70	37.70	0.52	8	PVC	0.010	732532	0.00	183133	0.01
7	7	New Hampshire	45.56	7	8	0		1	300		0	2000	263	37.57	36.20	0.52	8	PVC	0.010	732588	0.00	183147	0.01
7	7	New Hampshire	45.41	8	9	0		1	300		0	2000	175	36.05	35.14	0.52	8	PVC	0.010	731946	0.00	182987	0.01
7	7	New Hampshire	44.00	9	10	0		1	300		0	2000	176	35.04	34.12	0.52	8	PVC	0.010	733863	0.00	183466	0.01
7	7	New Hampshire	44.10	10	11	0		1	300		0	2000	182	33.92	32.97	0.52	8	PVC	0.010	733337	0.00	183334	0.01
7	7	New Hampshire	43.20	11	12	0		1	300		0	2000	182	32.87	31.93	0.52	8	PVC	0.010	729467	0.00	182367	0.01
7	11	New Hampshire	41.75	12	35	0		1	300		0	2000	57	31.83	31.53	0.53	8	PVC	0.010	736378	0.00	184094	0.01
11	12	Woodlake Manor Drive	44.56	35	1	32		33	300		9600	11600	162	31.33	28.97	1.46	8	PVC	0.010	1225112	0.01	306278	0.04
8	8	Woodlake Manor Drive	37.71	22	21	26		26	300		7800	7800	202	32.58	31.47	0.55	8	PVC	0.010	752425	0.01	188106	0.04
8	12	Woodlake Manor Drive	37.19	21	1	22		48	300		6600	14400	251	31.47	28.97	1.00	8	PVC	0.010	1013003	0.01	253251	0.06
12	12	Woodlake Manor Drive	36.02	1	2	10		91	300		3000	29000	134	28.97	27.61	1.01	8	PVC	0.010	1022573	0.03	255643	0.11

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
8	8	Woodlake Manor Drive	45.30	12	11	22		22	300		6600	6600	171	39.93	38.18	1.02	8	PVC	0.010	1026830	0.01	256707	0.03
8	8	Woodlake Manor Drive	46.59	11	15	10		32	300		3000	9600	166	38.18	36.53	0.99	8	PVC	0.010	1011965	0.01	252991	0.04
8	8		45.24	13	14	25		25	300		7500	7500	247	39.04	37.33	0.69	8	PVC	0.010	844553	0.01	211138	0.04
8	8		44.40	14	15	8		33	300		2400	9900	144	37.33	36.53	0.56	8	PVC	0.010	756556	0.01	189139	0.05
8	8		46.00	15	16	30		95	300		9000	28500	308	36.53	33.72	0.91	8	PVC	0.010	969517	0.03	242379	0.12
8	8		40.83	16	17	22		117	300		6600	35100	301	33.72	32.20	0.50	8	PVC	0.010	721300	0.05	180325	0.19
8	8		41.50	17	18	12		129	300		3600	38700	90	32.20	31.63	0.63	8	PVC	0.010	807781	0.05	201945	0.19
8	8		40.00	19	18	20		20	300		6000	6000	193	32.67	31.63	0.54	8	PVC	0.010	745102	0.01	186275	0.03
8	8		40.03	18	20	26		175	300		7800	52500	278	31.63	28.30	1.20	8	PVC	0.010	1110906	0.05	277726	0.19
8	12		36.42	20	3	32		207	300		9600	62100	184	28.30	27.29	0.55	8	PVC	0.010	752020	0.08	188005	0.33
12	12		33.54	3	2	0		207	300		0	62100	124	27.29	26.74	0.44	8	PVC	0.010	676002	0.09	169000	0.37
12	12		33.83	2	4	0		298	300		0	91100	240	26.74	26.21	0.22	8	PVC	0.010	476991	0.19	119248	0.76
12	12	Country Club Entrance		3A	3B	1		1	2000		2000	2000	400	31.96	28.35	0.90	8	ACP	0.013	741750	0.00	185438	0.01
12	12	Country Club Entrance		3B	4	0		1	300		0	2000	355	28.35	26.21	0.60	8	ACP	0.013	606215	0.00	151554	0.01
12	12	Country Club Entrance	30.50	4	5	24		323	300		7200	100300	156	26.21	24.74	0.94	8	ACP	0.013	757932	0.13	189483	0.53
12	12		29.45	7	5	34		34	300		10200	10200	85	25.00	24.74	0.31	8	ACP	0.013	431828	0.02	107957	0.09
12	12	Fountain Drive	29.70	5	8	20		377	300		6000	116500	280	24.74	23.90	0.30	8	ACP	0.013	427656	0.27	106914	1.09
12	12	offroad	30.65	6	8	22		22	300		6600	6600	205	24.72	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.05
12	12	offroad	30.40	9	8	24		24	300		7200	7200	185	24.64	23.90	0.40	8	ACP	0.013	493815	0.01	123454	0.06
12	12	offroad	29.25	8	10	32		455	300		9600	139900	127	23.90	23.52	0.30	8	ACP	0.013	427095	0.33	106774	1.31
12	12	offroad	29.35	10	12	10		465	300		3000	142900	150	23.52	23.07	0.30	8	ACP	0.013	427656	0.33	106914	1.34
12	12	offroad	28.50	12	13	20		485	300		6000	148900	65	23.07	22.87	0.31	8	ACP	0.013	433104	0.34	108276	1.38
11	11	offroad	38.87	28	29	50		50	300		15000	15000	383	31.02	29.18	0.48	8	ACP	0.013	541182	0.03	135296	0.11
11	11	offroad	35.19	30	29	40		40	300		12000	12000	312	30.34	29.18	0.37	8	ACP	0.013	476086	0.03	119022	0.10
11	11	offroad	35.46	29	31	0		90	300		0	27000	155	29.01	28.46	0.35	8	ACP	0.013	465103	0.06	116276	0.23
11	11	offroad	34.74	31	32	0		90	300		0	27000	19	28.30	28.08	1.16	8	DIP	0.013	840173	0.03	210043	0.13
11	11	New Hampshire Boulevard	34.48	32	33	0		90	300		0	27000	151	27.91	27.40	0.34	8	ACP	0.013	453765	0.06	113441	0.24
11	11	New Hampshire Boulevard	33.81	33	34	0		90	300		0	27000	75	27.40	27.18	0.29	8	ACP	0.013	422878	0.06	105719	0.26
11	12	Pinehurst Drive	33.53	34	16	0		90	300		0	27000	261	27.18	26.09	0.42	8	ACP	0.013	504577	0.05	126144	0.21
12	12	Fountain Drive	30.37	16	15	4		94	300		1200	28200	85	26.09	25.43	0.78	8	ACP	0.013	688013	0.04	172003	0.16
12	12	Fountain Drive	30.41	15	14	40		134	300		12000	40200	205	25.43	24.25	0.58	8	ACP	0.013	592377	0.07	148094	0.27
12	12		30.70	11	14	28		28	300		8400	8400	335	25.67	24.25	0.42	8	ACP	0.013	508342	0.02	127085	0.07
12	12		29.50	14	13	14		176	300		4200	52800	230	24.25	22.87	0.60	8	ACP	0.013	604797	0.09	151199	0.35
12	12	offroad	29.00	13	23	0		661	300		0	201700	400	22.87	21.27	0.40	8	ACP	0.013	493815	0.41	123454	1.63
12	12		27.70	23	27	12		673	300		3600	205300	357	21.27	19.50	0.50	8	ACP	0.013	549777	0.37	137444	1.49
12	12	Balustrol Court	27.50	27	31	6		1005	300		1800	304900	235	19.17	18.53	0.27	12	ACP	0.013	1201342	0.25	300336	1.02
12	12	St. Andrews Court	29.30	29	31	16		16	300		4800	4800	261	24.45	20.53	1.50	8	ACP	0.013	956879	0.01	239220	0.02
12	12	Balustrol Court	?	31	32	0		1021	300		0	309700	105	18.53	18.18	0.33	12	ACP	0.013	1329077	0.23	332269	0.93
12	12	Balustrol Court	?	30	32	0		0	300		0	0	37	18.53	18.18	0.95	12	ACP	0.013	2238948	0.00	559737	0.00
12	12	Balustrol Court	29.20	32	34	40		1061	300		12000	321700	292	18.18	17.45	0.25	12	ACP	0.013	1151014	0.28	287754	1.12
15	15	Service	31.38	1	2	30		30	300		9000	9000	195	29.66	25.76	2.00	6	PVC	0.010	666534	0.01	166634	0.05
15	15	Ocean Avenue	31.01	2	3	0		30	300		0	9000	46	25.76	25.25	1.11	8	PVC	0.010	1068768	0.01	267192	0.03
15	15	offroad	30.63	3	4	15		45	300		4500	13500	213	25.25	24.33	0.43	8	PVC	0.010	667086	0.02	166771	0.08
15	12		30.59	4	33	50		95	300		15000	28500	207	24.33	23.31	0.49	8	PVC	0.010	712512	0.04	178128	0.16
12	12		31.57	33	34	18		113	300		5400	33900	116	17.98	17.45	0.46	8	PVC	0.010	686098	0.05	171525	0.20
12	15	Pinehurst Drive	31.00	34	5	58		1232	300		17400	373000	400	17.45	16.57	0.22	12	ACP	0.013	1079747	0.35	269937	1.38

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
12	15	offroad	29.00	35	5	49		49	300		14700	14700	425	22.81	18.56	1.00	8	ACP	0.013	780790	0.02	195197	0.08
15	15	Pinehurst Drive	27.30	5	6	16		1297	300		4800	392500	296	16.57	15.92	0.22	12	ACP	0.013	1078752	0.36	269688	1.46
15	15	offroad	22.00	9	8	4		4	300		1200	1200	400	9.77	9.13	0.16	12	ACP	0.013	920812	0.00	230203	0.01
12	15		25.20	37	8	36		40	300		10800	12000	333	19.20	17.53	0.50	8	ACP	0.013	552930	0.02	138233	0.09
15	15		24.20	8	7	14		58	300		4200	17400	413	9.13	8.47	0.16	12	ACP	0.013	920254	0.02	230063	0.08
12	15		27.00	36	7	18		18	300		5400	5400	280	17.00	15.88	0.40	8	ACP	0.013	493815	0.01	123454	0.04
15	15		24.20	7	6	0		18	300		0	5400	166	8.47	8.20	0.16	12	ACP	0.013	928407	0.01	232102	0.02
15	15	into pumping station	?	6	PS	0		1315	300		0	397900	80	8.20	8.00	0.25	12	CI	0.013	1151014	0.35	287754	1.38
15	14	Force Main		PS	13	0		1315	0		0	397900	2810	8.00	NA	NA	10	ACP	0.013	N/A	N/A	N/A	N/A
			.																				
1	2	offroad	54.87	1	1	29		29	300		8700	8700	364	48.78	41.50	2.00	8	PVC	0.010	1435464	0.01	358866	0.02
2	2	offroad	56.12	1	2	0		29	300		0	8700	275	41.40	40.30	0.40	8	PVC	0.010	641959	0.01	160490	0.05
2	2	offroad	54.00	2	3	0		29	300		0	8700	5	40.20	40.18	0.40	8	PVC	0.010	641959	0.01	160490	0.05
		into pump station																					
2	2	Force Main	54.00	3	4	0		29	300		0	8700	FM	49.00	46.33	N/A	4	PVC	0.010	N/A	N/A	N/A	N/A
2	2	Ridge Avenue	53.48	4	6	5		5	300		1500	10200	250	46.33	45.23	0.44	8	PVC	0.010	673292	0.02	168323	0.06
2	2	County Line Road East	52.43	6	7	4		9	300		1200	11400	251	45.23	44.22	0.40	8	PVC	0.010	643875	0.02	160969	0.07
2	2		53.35	7	10	2		11	300		600	12000	185	44.22	43.48	0.40	8	PVC	0.010	641959	0.02	160490	0.07
5	5	Lanes Mill Road	51.89	4	5	0		0	300		0	0	123	46.47	45.91	0.46	8	PVC	0.010	684887	0.00	171222	0.00
5	2	Offroad	51.34	5	8	2		2	300		600	600	236	45.88	44.91	0.41	8	PVC	0.010	650740	0.00	162685	0.00
2	2	Marcella Court	51.99	8	9	1		3	300		300	900	103	44.88	44.44	0.43	8	PVC	0.010	663415	0.00	165854	0.01
2	2	Marcella Court	52.77	9	10	4		7	300		1200	2100	228	44.43	43.52	0.40	8	PVC	0.010	641255	0.00	160314	0.01
2	2	County Line Road East	?	10	11	1		19	300		300	14400	293	43.44	42.26	0.40	8	PVC	0.010	644146	0.02	161037	0.09
2	2	County Line Road East	52.04	11	12	0		19	300		0	14400	311	42.21	41.01	0.39	8	PVC	0.010	630504	0.02	157626	0.09
5	5	Red Oak Drive	48.50	28	27	5		5	300		1500	1500	150	43.34	42.74	0.40	8	ACP	0.013	493815	0.00	123454	0.01
5	5	Red Oak Drive	47.70	27	26	2		7	300		600	2100	180	42.74	42.02	0.40	8	ACP	0.013	493815	0.00	123454	0.02
5	2	Red Oak Drive	46.70	26	12	7		14	300		2100	4200	380	42.02	40.89	0.30	8	ACP	0.013	425776	0.01	106444	0.04
2	2	County Line Road East	51.24	12	13	4		37	300		1200	19800	245	40.88	39.52	0.56	8	ACP	0.013	581729	0.03	145432	0.14
2	2	County Line Road East	50.60	13	14	2		39	300		600	20400	200	39.43	38.64	0.40	8	ACP	0.013	490719	0.04	122680	0.17
9	9	Laguna Lane	38.40	6	7	4		4	300		1200	1200	200	31.61	30.81	0.40	8	ACP	0.013	493815	0.00	123454	0.01
9	9	Laguna Lane	37.40	7	8	5		9	300		1500	2700	355	30.81	29.39	0.40	8	ACP	0.013	493815	0.01	123454	0.02
9	9	Laguna Lane	35.25	8	9	6		15	300		1800	4500	372	29.39	27.53	0.50	8	ACP	0.013	552102	0.01	138025	0.03
9	9	Laguna Lane	41.10	11	10	7		7	300		2100	2100	400	34.50	32.50	0.50	8	ACP	0.013	552102	0.00	138025	0.02
9	9	Laguna Lane	39.10	10	9	7		14	300		2100	4200	378	32.50	27.53	1.31	8	ACP	0.013	895295	0.00	223824	0.02
9	9	Alamitos Drive	33.65	9	12	1		30	300		300	9000	172	27.53	26.50	0.60	8	ACP	0.013	604211	0.01	151053	0.06
9	9	Alamitos Drive	32.31	12	13	6		36	300		1800	10800	332	26.50	24.18	0.70	8	ACP	0.013	652693	0.02	163173	0.07
9	9	Alamitos Drive	29.83	13	14	6		42	300		1800	12600	400	24.18	20.69	0.87	8	ACP	0.013	729318	0.02	182329	0.07
9	9	Alamitos Drive	39.30	18	17	7		7	300		2100	2100	400	33.70	29.70	1.00	8	ACP	0.013	780790	0.00	195197	0.01
9	9	Alamitos Drive	35.76	17	16	6		13	300		1800	3900	320	29.70	23.30	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
9	9	Alamitos Drive	29.29	16	15	6		19	300		1800	5700	334	23.30	21.63	0.50	8	ACP	0.013	552102	0.01	138025	0.04
9	9	Alamitos Drive	27.45	15	14	2		21	300		600	6300	130	21.63	20.69	0.72	8	ACP	0.013	663936	0.01	165984	0.04
9	9	Alamitos Drive	26.84	14	19	0		63	300		0	18900	115	14.87	14.70	0.15	12	PVC	0.010	1150614	0.02	287654	0.07
9	9	Alamitos Drive	24.86	19	20	0		63	300		0	18900	190	13.66	13.25	0.22	12	PVC	0.010	1390174	0.01	347544	0.05
9	9	Alamitos Drive	21.81	20	21	0		63	300		0	18900	155	13.25	11.00	1.45	12	PVC	0.010	3605616	0.01	901404	0.02
		MH-21 into OCUA 42" RCP																					

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
11	11	offroad	46.90	1	2	6		6	300		1800	1800	185	39.00	38.15	0.46	8	PVC	0.010	688020	0.00	172005	0.01
11	11	offroad	45.53	2	3	0		6	300		0	1800	190	37.92	35.90	1.06	8	PVC	0.010	1046589	0.00	261647	0.01
11	11	offroad	46.25	4	3	0		0	300		0	0	200	38.90	36.00	1.45	8	PVC	0.010	1222254	0.00	305563	0.00
11	11	offroad	45.80	3	6	0		6	300		0	1800	168	35.79	34.95	0.50	8	PVC	0.010	717732	0.00	179433	0.01
11	11	offroad	44.10	5	6	0		0	300		0	0	250	35.65	34.40	0.50	8	PVC	0.010	717732	0.00	179433	0.00
11	11	offroad	43.00	6	7	0		6	300		0	1800	300	34.20	32.70	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	41.40	7	8	0		6	300		0	1800	290	32.50	31.05	0.50	10	PVC	0.010	1301335	0.00	325334	0.01
11	11	offroad	40.00	8	9	0		6	300		0	1800	380	30.85	29.16	0.44	10	PVC	0.010	1227314	0.00	306828	0.01
11	11	Ocean Ave.	44.85	27	25	10		10	300		3000	3000	155	32.23	31.26	0.63	8	PVC	0.010	802967	0.00	200742	0.01
11	11	offroad	41.13	26	25	10		20	300		3000	6000	176	32.29	31.35	0.53	8	PVC	0.010	741797	0.01	185449	0.03
11	11		41.84	25	23	20		50	300		6000	15000	266	31.21	29.78	0.54	8	PVC	0.010	744226	0.02	186056	0.08
11	11	offroad	39.06	24	23	20		20	300		6000	6000	167	31.59	29.78	1.08	8	PVC	0.010	1056716	0.01	264179	0.02
11	11		39.02	23	9	0		70	300		0	21000	117	29.71	29.07	0.55	8	PVC	0.010	750714	0.03	187678	0.11
11	11		37.90	9	10	10		86	300		3000	25800	164	29.03	28.07	0.59	10	PVC	0.010	1408049	0.02	352012	0.07
11	11	offroad	38.94	11	10	10		10	300		3000	3000	74	29.93	28.32	2.18	8	PVC	0.010	1497182	0.00	374295	0.01
11	11		38.17	10	12	10		106	300		3000	31800	210	27.92	26.84	0.51	10	PVC	0.010	1319795	0.02	329949	0.10
11	11		38.16	12	13	0		106	300		0	31800	122	26.73	26.21	0.43	10	PVC	0.010	1201506	0.03	300376	0.11
11	11		37.24	13	14	0		106	300		0	31800	75	26.02	25.66	0.48	10	PVC	0.010	1275043	0.02	318761	0.10
11	11		38.28	14	15	0		106	300		0	31800	63	25.66	25.41	0.40	10	PVC	0.010	1159321	0.03	289830	0.11
11	11	Jessica Court	41.53	19	18	21		21	300		6300	6300	186	35.26	32.58	1.44	8	PVC	0.010	1218396	0.01	304599	0.02
11	11	Jessica Court	39.40	18	17	6		27	300		1800	8100	68	32.54	31.62	1.35	8	PVC	0.010	1180638	0.01	295160	0.03
11	11	Jessica Court	38.01	20	21	18		18	300		5400	5400	155	32.48	31.74	0.48	8	PVC	0.010	701338	0.01	175335	0.03
11	11	Jessica Court	38.92	21	17	0		18	300		0	5400	103	31.53	30.09	1.40	8	PVC	0.010	1200163	0.00	300041	0.02
11	11	Jessica Court	38.40	17	16	6		51	300		1800	15300	116	30.00	29.48	0.45	8	PVC	0.010	679595	0.02	169899	0.09
11	11	Jessica Court	37.44	16	15	6		57	300		1800	17100	139	29.46	26.90	1.84	8	PVC	0.010	1377495	0.01	344374	0.05
11	14	Michele Way	36.48	15	1	31		194	300		9300	58200	345	25.12	24.12	0.29	10	PVC	0.010	990820	0.06	247705	0.23
11	14	Michele Way	37.02	22	1	11		11	300		3300	3300	341	30.32	27.48	0.83	8	PVC	0.010	926317	0.00	231579	0.01
14	14	Michele Way	33.96	1	2	0		205	300		0	61500	77	24.12	23.83	0.38	10	PVC	0.010	1129426	0.05	282356	0.22
14	14	New Hampshire Avenue	30.95	2	3	0		205	300		0	61500	302	23.77	22.70	0.35	10	DIP	0.013	842654	0.07	210663	0.29
14	14	New Hampshire Avenue	25.15	3	4	0		205	300		0	61500	145	22.56	22.05	0.35	10	DIP	0.013	839580	0.07	209895	0.29
14	14	New Hampshire Avenue	25.15	4	9	0		205	300		0	61500	215	21.95	21.20	0.35	10	DIP	0.013	836127	0.07	209032	0.29
14	14	New Hampshire Avenue	24.48	9	11	0		205	300		0	61500	190	21.10	19.87	0.65	10	DIP	0.013	1139034	0.05	284758	0.22
14	14	New Hampshire Avenue	25.23	11	13	0		205	300		0	61500	42	19.56	19.24	0.76	12	DIP	0.013	2009376	0.03	502344	0.12
14	14	New Hampshire Avenue	24.96	13	17	0		1520	300		0	459400	55	19.24	18.90	0.62	12	DIP	0.013	1809960	0.25	452490	1.02
16	16	offroad	20.71	10	8	8		8	300		2400	2400	40	11.56	11.37	0.48	8	PVC	0.010	699559	0.00	174890	0.01
16	16	Ocean Avenue	20.25	8	5	28		36	300		8400	10800	350	11.17	9.44	0.49	8	PVC	0.010	713619	0.02	178405	0.06
16	16	Ocean Avenue	19.93	5	4	0		36	300		0	10800	148	9.34	8.60	0.50	8	PVC	0.010	717732	0.02	179433	0.06
16	16	Ocean Avenue	20.26	4	1	6		42	300		1800	12600	195	8.50	7.56	0.48	8	PVC	0.010	704732	0.02	176183	0.07
16	16	Ocean Avenue	20.92	1	2	0		42	300		0	12600	10	7.06	6.96	1.00	8	PVC	0.010	1015027	0.01	253757	0.05
16	16	offroad	18.43	11	12	10		10	300		3000	3000	20.8	10.05	9.95	0.48	8	PVC	0.010	703794	0.00	175949	0.02
16	16	offroad		12	13	0		10	300		0	3000	286.6	9.88	8.49	0.48	8	PVC	0.010	706882	0.00	176720	0.02
16	16	offroad		13	2	0		10	300		0	3000	310.5	8.39	6.96	0.46	8	PVC	0.010	688834	0.00	172209	0.02
16	16	MH-2 into OCUA		2	OCUA	0		52	300		0	15600	32	4.60	4.50	0.31	12	PVC	0.010	1672935	0.01	418234	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
17	17	Stadium	68.20	18	17	1		1	20000		20000	20000	115	60.20	59.74	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	68.50	17	16	0		1	0		0	20000	310	59.64	58.40	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.80	16	15	0		1	0		0	20000	220	58.30	57.42	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	67.00	15	14	0		1	0		0	20000	200	57.32	56.52	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	14	13	0		1	0		0	20000	220	56.42	55.54	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	66.00	13	12	0		1	0		0	20000	400	55.44	53.84	0.40	8	PVC	0.010	641959	0.03	160490	0.12
17	17	Stadium	62.50	12	11	0		1	0		0	20000	400	53.74	50.54	0.80	8	PVC	0.010	907867	0.02	226967	0.09
17	17	Stadium	58.40	11	10	0		1	0		0	20000	190	50.44	48.61	0.96	8	PVC	0.010	996153	0.02	249038	0.08
17	17	Stadium	56.50	10	9	0		1	0		0	20000	400	37.37	36.14	0.31	15	PVC	0.010	3008870	0.01	752217	0.03
17	17	Stadium	51.94	9	8	0		1	0		0	20000	98	36.04	35.66	0.39	15	PVC	0.010	3378777	0.01	844694	0.02
17	17	Stadium	50.10	8	7	0		1	0		0	20000	119	35.56	35.06	0.42	15	PVC	0.010	3517162	0.01	879290	0.02
17	17	Stadium	49.18	7	1	0		1	0		0	20000	284	34.96	34.34	0.22	18	PVC	0.010	4122565	0.00	1030641	0.02
17	17	Stadium	45.03	1	2	0		1	0		0	20000	274	34.23	33.80	0.16	18	PVC	0.010	3495343	0.01	873836	0.02
17	17	Stadium	46.86	2	3	0		1	0		0	20000	274	33.77	32.89	0.32	18	PVC	0.010	5000309	0.00	1250077	0.02
17	17	Stadium	46.36	3	4	0		1	0		0	20000	147	32.79	32.27	0.35	18	PVC	0.010	5247758	0.00	1311940	0.02
17	17	Stadium	?	4	5	0		1	0		0	20000	195	32.17	31.71	0.24	18	PVC	0.010	4285410	0.00	1071353	0.02
17	17	Stadium	42.67	5	6	0		1	0		0	20000	352	31.61	30.66	0.27	18	PVC	0.010	4583754	0.00	1145938	0.02
17	100	Goes off maps	45.15	6	new	0		1	0		0	20000	280	30.56	29.40	0.41	18	PVC	0.010	5679117	0.00	1419779	0.01
100	14	Back on maps	?	new	30	0		1	0		0	20000	295	29.30	27.37	0.65	18	PVC	0.010	7136717	0.00	1784179	0.01
14	14	offroad	35.69	30	29	0		1	0		0	20000	291	27.27	25.83	0.49	18	PVC	0.010	6206769	0.00	1551692	0.01
14	14	offroad	35.69	29	28	0		1	0		0	20000	381	25.47	24.49	0.26	18	PVC	0.010	4474880	0.00	1118720	0.02
14	14	offroad	35.72	28	27	0		1	0		0	20000	238	24.39	23.75	0.27	18	PVC	0.010	4575434	0.00	1143859	0.02
14	14	offroad	35.62	27	24	0		1	0		0	20000	400	23.65	22.05	0.40	18	PVC	0.010	5580342	0.00	1395085	0.01
17	17	Service	78.80	23	22	10		10	300		3000	3000	66	73.00	69.00	6.06	6	PVC	0.010	1160287	0.00	290072	0.01
17	17	Service	75.00	22	21	0		10	300		0	3000	75	69.00	66.33	3.56	6	PVC	0.010	889268	0.00	222317	0.01
17	17	Service	72.10	21	20	0		10	300		0	3000	66	66.33	65.19	1.73	6	PVC	0.010	619424	0.00	154856	0.02
17	17	offroad	72.03	20	19	0		10	300		0	3000	260	64.96	63.58	0.53	8	PVC	0.010	739487	0.00	184872	0.02
17	18	offroad	74.88	19	1	0		10	300		0	3000	244	63.53	62.35	0.48	8	PVC	0.010	705868	0.00	176467	0.02
18	18	offroad	72.80	1	63	0		10	300		0	3000	155	62.35	61.58	0.50	8	PVC	0.010	715413	0.00	178853	0.02
18	18	offroad	?	63	2	8		18	300		2400	5400	350	61.58	60.60	0.28	8	PVC	0.010	537102	0.01	134275	0.04
18	18	New Hampshire Avenue	68.49	2	3	0		18	300		0	5400	320	60.49	58.49	0.63	8	PVC	0.010	802449	0.01	200612	0.03
18	18	New Hampshire Avenue	69.78	3	4	0		18	300		0	5400	350	58.30	56.66	0.47	8	PVC	0.010	694809	0.01	173702	0.03
18	18	New Hampshire Avenue	66.49	4	5	0		18	300		0	5400	270	56.41	51.34	1.88	8	PVC	0.010	1390912	0.00	347728	0.02
18	14	New Hampshire Avenue	58.18	5	26	0		18	300		0	5400	310	51.25	42.02	2.98	8	PVC	0.010	1751449	0.00	437862	0.01
14	14	New Hampshire Avenue	48.54	26	25	0		18	300		0	5400	250	41.90	29.58	4.93	8	PVC	0.010	2253268	0.00	563317	0.01
14	14	New Hampshire Avenue	38.87	25	24	0		18	300		0	5400	21	28.74	28.52	1.05	8	PVC	0.010	1038913	0.01	259728	0.02
14	14	New Hampshire Avenue	36.13	24	22	0		19	300		0	25400	236	21.82	21.20	0.26	18	PVC	0.010	4522418	0.01	1130604	0.02
14	14	New Hampshire Avenue	29.02	22	23	0		19	300		0	25400	63	21.10	20.91	0.30	18	PVC	0.010	4845486	0.01	1211371	0.02
14	14	New Hampshire Avenue	31.53	23	20	0		19	300		0	25400	160	20.81	20.43	0.24	18	PVC	0.010	4299942	0.01	1074986	0.02
14	14	New Hampshire Avenue	28.77	20	19	0		19	300		0	25400	369	20.33	19.12	0.33	18	PVC	0.010	5052546	0.01	1263137	0.02
14	14	New Hampshire Avenue	25.86	19	18	0		19	300		0	25400	31	19.02	18.92	0.32	18	PVC	0.010	5011295	0.01	1252824	0.02
14	14	New Hampshire Avenue	25.91	18	17	0		19	300		0	25400	20	18.82	18.40	2.10	18	PVC	0.010	12786170	0.00	3196542	0.01
14	14	New Hampshire Avenue	25.41	17	16	0		1539	300		0	484800	193	17.79	15.87	0.99	18	PVC	0.010	8800407	0.06	2200102	0.22
14	14	New Hampshire Avenue	24.70	16	OCUA	0		1539	300		0	484800	29	15.77	15.47	1.03	18	PVC	0.010	8974132	0.05	2243533	0.22

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	DAPPLEFIELDS COURT	64.11	38	37	14		14	170		2380	2380	272	56.32	52.34	1.46	8	PVC	0.010	1227819	0.00	306955	0.01
56	56	DAPPLEFIELDS COURT	60.00	37	36	2		16	170		340	2720	72	52.01	50.72	1.79	8	PVC	0.010	1358645	0.00	339661	0.01
56	56	DAPPLEFIELDS COURT	58.90	36	35	0		16	170		0	2720	148	50.65	46.79	2.61	8	PVC	0.010	1639231	0.00	409808	0.01
56	56	GOLDEN SEASONS DRIVE	57.23	35	39	0		100	170		0	17000	204	46.72	45.68	0.51	8	PVC	0.010	724735	0.02	181184	0.09
56	56	GOLDEN SEASONS DRIVE	57.21	39	40	10		110	170		1700	18700	296	45.64	42.35	1.11	8	PVC	0.010	1070113	0.02	267528	0.07
56	56	GOLDEN SEASONS DRIVE	50.52	40	41	13		123	170		2210	20910	302	42.27	39.34	0.97	8	PVC	0.010	999788	0.02	249947	0.08
56	56	GOLDEN SEASONS DRIVE	46.86	41	42	2		125	170		340	21250	89	39.20	38.75	0.51	8	PVC	0.010	721753	0.03	180438	0.12
56	56	GOLDEN SEASONS DRIVE	46.63	42	43	1		126	170		170	21420	130	38.63	37.93	0.54	8	PVC	0.010	744826	0.03	186206	0.12
56	56	GOLDEN SEASONS DRIVE	44.57	43	44	9		135	170		1530	22950	280	37.84	36.71	0.40	8	PVC	0.010	644819	0.04	161205	0.14
56	56	GOLDEN SEASONS DRIVE	42.86	44	45	3		138	170		510	23460	90	36.62	36.27	0.39	8	PVC	0.010	632980	0.04	158245	0.15
56	58	GOLDEN SEASONS DRIVE	42.24	45	10	12		150	170		2040	25500	328	36.25	34.99	0.38	8	PVC	0.010	629109	0.04	157277	0.16
56	58	GOLDEN SEASONS DRIVE	54.31	46	1	8		8	170		1360	1360	252	46.36	42.94	1.36	8	PVC	0.010	1182470	0.00	295618	0.00
58	58	GOLDEN SEASONS DRIVE	50.75	1	2	3		11	170		510	1870	96	42.86	42.21	0.68	8	PVC	0.010	835215	0.00	208804	0.01
58	58	GOLDEN SEASONS DRIVE	49.95	2	3	12		23	170		2040	3910	322	42.15	39.77	0.74	8	PVC	0.010	872646	0.00	218161	0.02
58	58	GOLDEN SEASONS DRIVE	47.87	3	4	2		25	170		340	4250	91	39.72	38.57	1.26	8	PVC	0.010	1141053	0.00	285263	0.01
56	58	SUMMERLAWN DRIVE	47.79	47	5	10		10	170		1700	1700	317	40.74	39.58	0.37	8	PVC	0.010	614012	0.00	153503	0.01
58	58	SUMMERLAWN DRIVE	47.44	5	4	4		14	170		680	2380	151	39.58	38.57	0.67	8	PVC	0.010	830137	0.00	207534	0.01
58	58	GOLDEN SEASONS DRIVE	47.60	4	7	1		40	170		170	6800	79	38.53	38.20	0.42	8	PVC	0.010	656026	0.01	164006	0.04
58	58	GOLDEN SEASONS DRIVE	45.63	7	8	7		47	170		1190	7990	278	38.01	36.85	0.42	8	PVC	0.010	655668	0.01	163917	0.05
58	58	GOLDEN SEASONS DRIVE	43.00	8	9	2		49	170		340	8330	79	36.77	36.45	0.41	8	PVC	0.010	646009	0.01	161502	0.05
58	58	GOLDEN SEASONS DRIVE	42.64	9	10	10		59	170		1700	10030	348	36.42	34.99	0.41	8	PVC	0.010	650663	0.02	162666	0.06
58	58	OFF HAMILTON COURT	40.53	10	11	0		209	170		0	35530	201	34.94	34.08	0.43	8	PVC	0.010	663940	0.05	165985	0.21
58	58	OFF HAMILTON COURT	38.90	11	12	16		225	170		2720	38250	120	34.03	33.82	0.18	8	PVC	0.010	424616	0.09	106154	0.36
58	58	OFF HAMILTON COURT	39.15	12	13	2		227	170		340	38590	178	33.82	32.04	1.00	8	ACP	0.013	780790	0.05	195197	0.20
58	58	OFF HAMILTON COURT	37.95	13	14	6		233	170		1020	39610	128	32.04	29.48	2.00	8	ACP	0.013	1104203	0.04	276051	0.14
58	58	HAMILTON COURT	39.40	18	14	10		10	170		1700	1700	212	33.65	29.48	1.97	8	ACP	0.013	1095051	0.00	273763	0.01
58	58	HAMILTON COURT	36.75	14	15	0		243	170		0	41310	88	29.48	29.04	0.50	8	ACP	0.013	552102	0.07	138025	0.30
58	58	HAMILTON COURT	38.10	17	16	27		27	170		4590	4590	210	33.00	31.74	0.60	8	ACP	0.013	604797	0.01	151199	0.03
58	58	HAMILTON COURT	36.60	16	15	2		29	170		340	4930	166	31.74	29.70	1.23	8	ACP	0.013	865556	0.01	216389	0.02
58	58	HAMILTON COURT	39.90	20	19	4		4	170		680	680	144	32.82	32.24	0.40	8	ACP	0.013	495526	0.00	123882	0.01
58	58	HAMILTON COURT	39.20	19	15	4		8	170		680	1360	182	32.24	29.04	1.76	8	ACP	0.013	1035317	0.00	258829	0.01
58	58	HAMILTON COURT	35.50	15	21	4		284	170		680	48280	202	29.04	28.23	0.40	8	ACP	0.013	494426	0.10	123606	0.39
58	58	HAMILTON COURT	38.50	21	22	16		300	170		2720	51000	400	28.23	26.63	0.40	8	ACP	0.013	493815	0.10	123454	0.41
58	58	HAMILTON COURT	37.60	22	23	2		302	170		340	51340	122	26.63	26.14	0.40	8	ACP	0.013	494826	0.10	123706	0.42
58	58	HAMILTON COURT	32.75	24	23	16		16	170		2720	2720	360	28.30	26.14	0.60	8	ACP	0.013	604797	0.00	151199	0.02
58	58	HAMILTON COURT	37.10	23	25	6		324	170		1020	55080	148	26.14	25.51	0.43	8	ACP	0.013	509417	0.11	127354	0.43
58	58	ARGYLL COURT	40.30	27	25	28		28	170		4760	4760	340	31.68	28.28	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	ARGYLL COURT	36.90	26	25	0		28	170		0	4760	155	26.29	25.51	0.50	8	ACP	0.013	553880	0.01	138470	0.03
58	59	ARGYLL COURT	35.40	25	19	0		352	170		0	59840	285	25.51	24.35	0.41	8	ACP	0.013	498128	0.12	124532	0.48
58	59	ARGYLL CIRCLE	32.00	28	19	22		22	170		3740	3740	150	25.25	24.35	0.60	8	ACP	0.013	604797	0.01	151199	0.02
59	59	OFF ARGYLL CIRCLE	33.30	21	20	14		14	170		2380	2380	110	25.65	24.90	0.68	8	ACP	0.013	644716	0.00	161179	0.01
59	59	OFF ARGYLL CIRCLE	32.80	20	19	0		14	170		0	2380	107	24.90	24.35	0.51	8	ACP	0.013	559788	0.00	139947	0.02
59	59	ARGYLL CIRCLE	32.50	19	18	0		388	170		0	65960	318	24.08	22.17	0.60	8	ACP	0.013	605114	0.11	151278	0.44

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No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
59	59	CLYDEBANK COURT	29.85	25	24	15		15	170		2550	2550	206	25.66	25.00	0.32	8	ACP	0.013	441949	0.01	110487	0.02
59	59	CLYDEBANK COURT	30.00	24	23	10		25	170		1700	4250	176	24.84	24.14	0.40	8	ACP	0.013	492410	0.01	123102	0.03
59	59	CLYDEBANK COURT	29.30	23	22	14		39	170		2380	6630	270	24.14	23.06	0.40	8	ACP	0.013	493815	0.01	123454	0.05
59	59	CLYDEBANK COURT	31.20	22	18	8		47	170		1360	7990	191	23.06	22.17	0.47	8	ACP	0.013	532982	0.01	133245	0.06
59	59	ARGYLL CIRCLE	28.35	18	17	0		435	170		0	73950	210	22.17	21.88	0.14	12	ACP	0.013	855461	0.09	213865	0.35
59	59	ARGYLL CIRCLE	26.85	17	11	0		435	170		0	73950	205	21.88	21.70	0.09	12	ACP	0.013	682135	0.11	170534	0.43
59	59	CLYDEBANK COURT	29.10	31	29	8	5	8	170	1000	6360	6360	400	25.43	23.83	0.40	8	ACP	0.013	493815	0.01	123454	0.05
59	59	CLYDEBANK COURT	28.50	30	29	4		4	170		680	680	280	25.12	23.83	0.46	8	ACP	0.013	529968	0.00	132492	0.01
59	59	CLYDEBANK COURT	29.00	29	27	2		14	170		340	7380	210	23.83	23.20	0.30	8	ACP	0.013	427656	0.02	106914	0.07
59	59	CLYDEBANK COURT	29.00	28	27	24		24	170		4080	4080	255	24.22	23.20	0.40	8	ACP	0.013	493815	0.01	123454	0.03
59	59	CLYDEBANK COURT	28.60	27	26	24		62	170		4080	15540	356	23.13	22.06	0.30	8	ACP	0.013	428056	0.04	107014	0.15
59	59	CLYDEBANK COURT	28.75	26	11	0		62			0	15540	80	22.06	21.70	0.45	6	ACP	0.013	243204	0.06	60801	0.26
59	59	OFF ARGYLL CIRCLE		16	14	10		10	170		1700	1700	222	24.91	24.02	0.40	8	ACP	0.013	494371	0.00	123593	0.01
59	59	OFF ARGYLL CIRCLE	33.80	15	14	12		12	170		2040	2040	268	27.24	24.02	1.20	8	ACP	0.013	855844	0.00	213961	0.01
59	59	OFF ARGYLL CIRCLE	31.00	14	13	10		32	170		1700	5440	280	24.02	22.90	0.40	8	ACP	0.013	493815	0.01	123454	0.04
59	59	OFF ARGYLL CIRCLE	28.90	13	12	6		38	170		1020	6460	166	22.90	22.23	0.40	8	ACP	0.013	496041	0.01	124010	0.05
59	59	OFF ARGYLL CIRCLE	30.40	12	11	6		44	170		1020	7480	133	22.23	21.59	0.48	8	ACP	0.013	541624	0.01	135406	0.06
59	59	ARGYLL CIRCLE	28.00	11	9	0		541	170		0	96970	205	21.59	21.30	0.14	12	ACP	0.013	865830	0.11	216458	0.45
59	59	OFF ARGYLL CIRCLE	30.15	10	9	28		28	170		4760	4760	110	22.55	21.30	1.14	8	ACP	0.013	832325	0.01	208081	0.02
59	59	CLYDEBANK COURT	29.52	9	7	0		569	170		0	101730	220	21.30	20.99	0.14	12	ACP	0.013	864132	0.12	216033	0.47
59	59	OFF ARGYLL CIRCLE	33.75	8	7	32		32	170		5440	5440	288	27.65	22.98	1.62	6	ACP	0.013	461664	0.01	115416	0.05
59	59	CLYDEBANK COURT	31.43	7	5	0		601	170		0	107170	225	20.99	20.67	0.14	12	ACP	0.013	868149	0.12	217037	0.49
59	59	OFF ARGYLL CIRCLE	34.10	6	5	14		14	170		2380	2380	115	27.79	27.15	0.56	6	ACP	0.013	270461	0.01	67615	0.04
59	59	OFF ARGYLL CIRCLE	33.25	5	4	10		625	170		1700	111250	300	20.67	20.25	0.14	12	ACP	0.013	861340	0.13	215335	0.52
56	56	OFF ARGYLL CIRCLE	41.10	79	80	30		14	170		5100	14	230	35.15	32.85	1.00	8	ACP	0.013	780790	0.00	195197	0.00
56	58	OFF ARGYLL CIRCLE	39.10	80	29	14		28	170		2380	2394	156	32.85	32.07	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	38.40	29	30	0		28	170		0	2394	130	31.94	31.29	0.50	8	ACP	0.013	552102	0.00	138025	0.02
58	58	OFF ARGYLL CIRCLE	39.80	30	31	14		42	170		2380	4774	105	31.29	30.24	1.00	8	ACP	0.013	780790	0.01	195197	0.02
58	58	OFF ARGYLL CIRCLE	37.70	31	32	8		50	170		1360	6134	224	30.24	29.12	0.50	8	ACP	0.013	552102	0.01	138025	0.04
58	58	OFF ARGYLL CIRCLE	34.10	32	33	2		52	170		340	6474	96	29.12	28.64	0.50	8	ACP	0.013	552102	0.01	138025	0.05
58	59	OFF ARGYLL CIRCLE	31.60	33	3	12		64	170		2040	8514	362	28.64	27.19	0.40	8	ACP	0.013	494156	0.02	123539	0.07
59	59	OFF ARGYLL CIRCLE	34.70	3	4	14		78	170		2380	10894	352	27.19	25.79	0.40	8	ACP	0.013	492410	0.02	123102	0.09
59	57	ARGYLL CIRCLE	35.65	4	43	0		703	170		0	122144	72	20.25	20.15	0.14	12	ACP	0.013	857916	0.14	214479	0.57
57	57	SHETLAND DRIVE	36.25	43	41	0		703	170		0	122144	212	20.10	19.56	0.25	12	ACP	0.013	1161822	0.11	290456	0.42
57	57	OFF SHETLAND DRIVE	36.95	42	41	12		12	170		2040	2040	140	30.50	28.50	1.43	8	ACP	0.013	933222	0.00	233306	0.01
57	57	From Clubhouse			53	1		1	2000		2000	2000	270	38.15	36.79	0.50	8	ACP	0.013	554143	0.00	138536	0.01
57	57	OFF SHETLAND DRIVE	40.50	53	52	8		9	170		1360	3360	158	36.79	36.00	0.50	8	ACP	0.010	717732	0.00	179433	0.02
57	57	OFF SHETLAND DRIVE	39.70	52	49	4		13	170		680	4040	287	36.00	34.56	0.50	8	ACP	0.010	718982	0.01	179745	0.02
57	57	OFF SHETLAND DRIVE	42.70	50	49	6		6	170		1020	1020	124	37.70	36.40	1.05	8	ACP	0.013	799457	0.00	199864	0.01
57	57	OFF SHETLAND DRIVE	41.10	49	46	8		27	170		1360	6420	269	36.40	32.71	1.37	8	ACP	0.013	914473	0.01	228618	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
57	57	OFF SHETLAND DRIVE	40.10	48	47	12		12	170		2040	2040	89	34.94	34.05	1.00	8	ACP	0.013	780790	0.00	195197	0.01
57	57	OFF SHETLAND DRIVE	38.30	47	46	0		12	170		0	2040	180	33.40	32.71	0.38	8	ACP	0.013	483418	0.00	120854	0.02
57	57	OFF SHETLAND DRIVE	37.95	46	45	0		39	170		0	8460	178	32.71	30.93	1.00	8	ACP	0.013	780790	0.01	195197	0.04
57	57	OFF SHETLAND DRIVE	37.75	45	44	10		49	170		1700	10160	70	30.93	30.23	1.00	8	ACP	0.013	780790	0.01	195197	0.05
57	57	OFF SHETLAND DRIVE	36.90	44	41	0		49	170		0	10160	144	30.23	28.50	1.20	8	ACP	0.013	855807	0.01	213952	0.05
57	57	SHETLAND DRIVE	35.90	41	39	0		764	170		0	134344	125	19.56	19.38	0.14	12	ACP	0.013	873559	0.15	218390	0.62
57	57	OFF SHETLAND DRIVE	35.40	40	39	6		6	170		1020	1020	25	27.30	27.00	1.20	8	ACP	0.013	855312	0.00	213828	0.00
57	57	SHETLAND DRIVE	35.13	39	34	0		770	170		0	135364	315	19.38	18.94	0.14	12	ACP	0.013	860363	0.16	215091	0.63
59	57	OFF SHETLAND DRIVE	36.70	32	38	20		20	170		3400	3400	240	31.04	28.64	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	38	37	10		30	170		1700	5100	180	28.64	27.56	0.60	8	ACP	0.013	604797	0.01	151199	0.03
57	57	OFF SHETLAND DRIVE	34.70	37	35	2		32	170		340	5440	218	27.56	26.65	0.42	8	ACP	0.013	504460	0.01	126115	0.04
57	57	OFF SHETLAND DRIVE	33.70	36	35	10		10	170		1700	1700	102	27.78	26.65	1.11	8	ACP	0.013	821813	0.00	205453	0.01
57	57	OFF SHETLAND DRIVE	33.50	35	34	0		42	170		0	7140	25	26.65	26.00	2.60	8	ACP	0.013	1258986	0.01	314746	0.02
57	57	SHETLAND DRIVE	33.11	34	31	12		824	170		2040	144544	255	18.94	18.58	0.14	12	ACP	0.013	864952	0.17	216238	0.67
57	57	OFF SHETLAND DRIVE	35.70	33	32	20		20	170		3400	3400	120	29.30	28.10	1.00	8	ACP	0.013	780790	0.00	195197	0.02
57	57	OFF SHETLAND DRIVE	34.70	32	31	2		22	170		340	3740	110	28.10	25.90	2.00	8	ACP	0.013	1104203	0.00	276051	0.01
57	57	OFF SHETLAND DRIVE	34.60	31	30	2		848	170		340	148624	155	18.58	18.36	0.14	12	ACP	0.013	867274	0.17	216818	0.69
57	57	OFF SHORROCK STREET	31.00	30	27	0		848	170		0	148624	70	18.36	18.25	0.16	12	ACP	0.013	912553	0.16	228138	0.65
57	57	OFF SHORROCK STREET	28.37	27	29	0	6	1409	170	1000	6000	255994	45	18.10	18.00	0.22	12	DIP	0.013	1085187	0.24	271297	0.94
57	53	Force Main	31.00	29	11	0		1409	170		0	261994	2980	18.00	41.00	NA	8	DIP	0.013	NA	NA	NA	NA
55	55	SPRING VALLEY DRIVE	73.55	46	47	14		14	170		2380	2380	338	66.49	63.20	0.97	8	PVC	0.010	1001422	0.00	250355	0.01
55	55	SPRING VALLEY DRIVE	71.18	47	48	1		15	170		170	2550	85	63.08	62.41	0.79	8	PVC	0.010	901167	0.00	225292	0.01
55	55	SPRING VALLEY DRIVE	70.83	48	49	4		19	170		680	3230	250	62.31	57.61	1.88	8	PVC	0.010	1391734	0.00	347934	0.01
55	55	SPRING VALLEY DRIVE	67.20	49	50	4		23	170		680	3910	128	57.53	53.78	2.93	8	PVC	0.010	1737353	0.00	434338	0.01
55	55	DAWNWINDS COURT	64.76	52	51	8		8	170		1360	1360	225	56.79	55.57	0.54	8	PVC	0.010	747422	0.00	186856	0.01
55	55	DAWNWINDS COURT	63.37	51	50	5		13	170		850	2210	186	55.44	53.78	0.89	8	PVC	0.010	958904	0.00	239726	0.01
55	56	SPRINGMEADOW DRIVE	65.25	50	33	0		36	170		0	6120	104	53.68	53.18	0.48	8	PVC	0.010	703794	0.01	175949	0.03
56	56	SPRINGMEADOW DRIVE	64.24	33	32	4		40	170		680	6800	169	53.09	52.31	0.46	8	PVC	0.010	689575	0.01	172394	0.04
55	55	AUTUMNTIDE DRIVE	73.22	53	54	16		16	170		2720	2720	342	64.86	61.49	0.99	8	PVC	0.010	1007580	0.00	251895	0.01
55	55	AUTUMNTIDE DRIVE	67.90	54	55	8		24	170		1360	4080	74	61.43	60.01	1.92	8	PVC	0.010	1406066	0.00	351517	0.01
55	56	AUTUMNTIDE DRIVE	68.55	55	34	16		40	170		2720	6800	270	59.96	56.97	1.11	8	PVC	0.010	1068147	0.01	267037	0.03
56	56	AUTUMNTIDE DRIVE	63.66	34	32	4		44	170		680	7480	167	56.92	52.31	2.76	8	PVC	0.010	1686435	0.00	421609	0.02
56	56	SPRINGMEADOW DRIVE	61.77	32	31	0		84	170		0	14280	150	52.17	51.39	0.52	8	PVC	0.010	731946	0.02	182987	0.08
56	56	SPRINGMEADOW DRIVE	59.19	31	30	0		84	170		0	14280	160	51.20	47.75	2.16	8	PVC	0.010	1490483	0.01	372621	0.04
56	56	SPRINGMEADOW DRIVE	56.13	30	35	0		84	170		0	14280	139	47.64	46.79	0.61	8	PVC	0.010	793742	0.02	198436	0.07
56	56	SPRINGTIDE ROAD	57.48	28	27	4		4	170		680	680	198	50.88	49.62	0.64	8	PVC	0.010	809711	0.00	202428	0.00
56	56	SPRINGTIDE ROAD	61.00	29	27	9		9	170		1530	1530	310	52.70	48.20	1.45	8	PVC	0.010	1222933	0.00	305733	0.01
56	56	AMBERLANDS COURT	56.11	27	26	5		18	170		850	3060	181	48.11	47.03	0.60	8	PVC	0.010	784061	0.00	196015	0.02
56	56	AMBERLANDS COURT	54.08	26	25	3		21	170		510	3570	74	46.82	46.49	0.45	8	PVC	0.010	677826	0.01	169457	0.02
56	56	AMBERLANDS COURT	53.61	25	24	1		22	170		170	3740	50	46.40	46.15	0.50	8	PVC	0.010	717732	0.01	179433	0.02
56	56	AMBERLANDS COURT	53.43	24	23	9		31	170		1530	5270	268	45.99	44.60	0.52	8	PVC	0.010	731000	0.01	182750	0.03
56	56	AMBERLANDS COURT	50.84	23	22	2		33	170		340	5610	100	44.35	43.81	0.54	8	PVC	0.010	745889	0.01	186472	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56	SPRINGMEADOW DRIVE	53.06	22	21	0		33	170		0	19890	181	43.75	40.98	1.53	8	PVC	0.010	1255677	0.02	313919	0.06
56	56	SPRINGMEADOW DRIVE	48.95	21	16	0		33	170		0	19890	203	40.92	39.08	0.91	8	PVC	0.010	966359	0.02	241590	0.08
55	55	SPRING VALLEY DRIVE	72.28	43	44	5		5	170		850	850	215	62.87	59.99	1.34	8	PVC	0.010	1174774	0.00	293694	0.00
55	55	SPRING VALLEY DRIVE	68.10	44	45	4		9	170		680	1530	214	59.81	55.01	2.24	8	PVC	0.010	1520167	0.00	380042	0.00
55	56	SPRING VALLEY DRIVE	62.94	45	20	10		19	170		1700	3230	400	54.93	47.25	1.92	8	PVC	0.010	1406462	0.00	351616	0.01
56	56	SPRING VALLEY DRIVE	55.30	20	19	5		24	170		850	4080	137	47.20	45.54	1.21	8	PVC	0.010	1117304	0.00	279326	0.01
56	56	SPRING VALLEY DRIVE	53.44	19	18	6		30	170		1020	5100	197	45.46	42.76	1.37	8	PVC	0.010	1188300	0.00	297075	0.02
56	56	SPRING VALLEY DRIVE	50.54	18	17	13		43	170		2210	7310	318	42.57	39.60	0.93	8	PVC	0.010	980939	0.01	245235	0.03
56	56	SPRING VALLEY DRIVE	45.79	17	16	1		44	170		170	7480	88	39.44	39.08	0.41	8	PVC	0.010	649213	0.01	162303	0.05
56	56	SPRINGMEADOW DRIVE	45.08	16	15	0		77	170		0	27370	241	39.00	37.76	0.51	8	PVC	0.010	728081	0.04	182020	0.15
56	56	SPRINGMEADOW DRIVE	43.40	15	14	0		77	170		0	27370	265	37.61	36.24	0.52	8	PVC	0.010	729818	0.04	182455	0.15
52	52	GREENWAYS LANE	72.40	45	46	13		13	170		2210	2210	301	65.21	54.41	3.59	8	PVC	0.010	1922676	0.00	480669	0.00
52	56	GREENWAYS LANE	61.55	46	1	6		19	170		1020	3230	200	54.28	47.59	3.35	8	PVC	0.010	1856417	0.00	464104	0.01
56	56	GREENWAYS LANE	54.71	1	2	3		22	170		510	3740	101	47.42	45.75	1.65	8	PVC	0.010	1305194	0.00	326298	0.01
56	56	GREENWAYS LANE	53.93	2	3	8		30	170		1360	5100	200	45.66	44.56	0.55	8	PVC	0.010	752764	0.01	188191	0.03
52	52	GARDENWAYS COURT	59.06	51	50	4		4	170		680	680	103	53.86	53.29	0.55	8	PVC	0.010	755086	0.00	188771	0.00
52	52	GARDENWAYS COURT	61.60	50	49	4		8	170		680	1360	150	53.14	52.44	0.47	8	PVC	0.010	693395	0.00	173349	0.01
52	52	GARDENWAYS COURT	64.58	49	48	4		12	170		680	2040	100	52.39	51.96	0.43	8	PVC	0.010	665597	0.00	166399	0.01
52	52	GARDENWAYS COURT	63.03	48	47	6		18	170		1020	3060	151	51.81	50.50	0.87	8	PVC	0.010	945420	0.00	236355	0.01
52	56	GARDENWAYS COURT	57.64	47	3	3		21	170		510	3570	204	50.45	44.60	2.87	8	PVC	0.010	1718859	0.00	429715	0.01
56	56	GREENWAYS LANE	51.82	3	4	7		58	170		1190	9860	192	44.48	43.46	0.53	8	PVC	0.010	739821	0.01	184955	0.05
56	56	GREENWAYS LANE	49.77	4	5	2		60	170		340	10200	93	43.25	42.72	0.57	8	PVC	0.010	766256	0.01	191564	0.05
52	52	GREENWAYS LANE	61.70	52	53	5		5	170		850	850	119	54.48	49.85	3.89	8	PVC	0.010	2002140	0.00	500535	0.00
52	52	GREENWAYS LANE	57.96	53	54	4		9	170		680	1530	99	49.73	45.74	4.03	8	PVC	0.010	2037728	0.00	509432	0.00
52	56	GREENWAYS LANE	54.11	54	6	6		15	170		1020	2550	201	45.66	44.20	0.73	8	PVC	0.010	865079	0.00	216270	0.01
56	56	GREENWAYS LANE	51.30	6	5	12		27	170		2040	4590	277	44.10	42.78	0.48	8	PVC	0.010	700688	0.01	175172	0.03
56	56	GREENWAYS LANE	49.94	5	7	0		87	170		0	14790	158	42.57	41.83	0.47	8	PVC	0.010	695867	0.02	173967	0.09
56	56	OFF GREENWAYS LANE		7	8	0		87	170		0	14790	400	41.83	37.19	1.16	8	PVC	0.010	1093217	0.01	273304	0.05
56	56	QUICKSILVER COURT	45.56	13	12	2		2	170		340	340	87	40.35	39.94	0.47	8	PVC	0.010	696803	0.00	174201	0.00
56	56	QUICKSILVER COURT	47.24	12	11	2		4	170		340	680	62	39.90	39.62	0.45	8	PVC	0.010	682120	0.00	170530	0.00
56	56	QUICKSILVER COURT	48.02	11	10	9		13	170		1530	2210	210	39.55	38.47	0.51	8	PVC	0.010	727913	0.00	181978	0.01
56	56	QUICKSILVER COURT	46.00	10	8	8		21	170		1360	3570	213	38.33	37.24	0.51	8	PVC	0.010	726107	0.00	181527	0.02
56	56	QUICKSILVER COURT	47.23	9	8	12		12	170		2040	2040	250	39.29	37.24	0.82	8	PVC	0.010	919146	0.00	229786	0.01
56	56	OFF QUICKSILVER COURT	43.12	8	14	0		120	170		0	20400	186	37.06	36.20	0.46	8	PVC	0.010	690192	0.03	172548	0.12
56	56	OFF QUICKSILVER COURT	43.12	14	48	0		197	170		0	47770	299	36.10	34.66	0.48	10	DIP	0.013	982441	0.05	245610	0.19
56	56	OFF QUICKSILVER COURT	39.85	48	49	16		213	170		2720	50490	300	34.56	34.05	0.17	10	DIP	0.013	583694	0.09	145924	0.35
56	56	ABERDEEN DRIVE	46.40	54	53	40		40	170		6800	6800	197	39.85	35.91	2.00	8	ACP	0.013	1104203	0.01	276051	0.02
56	56	ABERDEEN DRIVE	42.40	53	52	26		66	170		4420	11220	195	35.91	35.13	0.40	8	ACP	0.013	493815	0.02	123454	0.09
56	56	ABERDEEN DRIVE	40.60	52	50	0		66	170		0	11220	158	35.13	34.67	0.29	8	ACP	0.013	421293	0.03	105323	0.11
56	56	ABERDEEN DRIVE	40.60	51	50	10		10	170		1700	1700	140	35.50	34.67	0.59	8	ACP	0.013	601186	0.00	150297	0.01
56	56	ABERDEEN DRIVE	39.80	50	49	0		76	170		0	12920	114	34.50	33.78	0.63	8	ACP	0.013	620509	0.02	155127	0.08
56	56	ABERDEEN DRIVE	39.50	49	55	8		297	170		1360	64770	75	33.78	33.72	0.08	10	ACP	0.013	400411	0.16	100103	0.65
56	56	ABERDEEN DRIVE	39.70	55	56	0		297	170		0	64770	155	33.55	33.05	0.32	10	ACP	0.013	804044	0.08	201011	0.32
56	56	ABERDEEN DRIVE	42.15	58	57	16		16	170		2720	2720	98	35.14	34.26	0.90	8	ACP	0.013	739882	0.00	184970	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
56	56		42.95	59	57	16		16	170		2720	2720	258	38.48	35.90	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56		41.30	57	56	0		32	170		0	5440	135	34.26	33.05	0.90	8	ACP	0.013	739196	0.01	184799	0.03
56	56		40.30	56	60	0		329	170		0	70210	184	32.88	31.88	0.54	10	ACP	0.013	1043643	0.07	260911	0.27
56	56		44.55	62	61	8		8	170		1360	1360	147	39.41	36.40	2.05	8	ACP	0.013	1117271	0.00	279318	0.00
56	56		41.80	61	60	10		18	170		1700	3060	125	36.40	31.88	3.62	8	ACP	0.013	1484733	0.00	371183	0.01
56	56		37.72	60	63	0		347	170		0	73270	128	31.88	31.48	0.31	10	ACP	0.013	791381	0.09	197845	0.37
56	56	FIFE COURT	40.60	66	65	16		16	170		2720	2720	117	33.41	32.94	0.40	8	ACP	0.013	494869	0.01	123717	0.02
56	56	FIFE COURT	39.80	65	64	8		24	170		1360	4080	265	32.94	31.88	0.40	8	ACP	0.013	493815	0.01	123454	0.03
56	56	OFF FIFE COURT	39.85	67	64	14		14	170		2380	2380	200	33.88	31.88	1.00	8	ACP	0.013	780790	0.00	195197	0.01
56	56	FIFE COURT	38.35	64	63	8		46	170		1360	7820	50	31.88	31.48	0.80	8	ACP	0.013	698360	0.01	174590	0.04
56	56	FIFE COURT		63	68	0		46	170		0	7820	228	31.48	30.97	0.22	10	ACP	0.013	669543	0.01	167386	0.05
56	56		39.20	69	68	12		12	170		2040	2040	89	31.35	30.97	0.43	8	ACP	0.013	510189	0.00	127547	0.02
56	56			68	70	0		58	170		0	9860	278	30.80	29.98	0.29	10	ACP	0.013	768857	0.01	192214	0.05
56	56		39.40	73	72	14		14	170		2380	2380	185	34.44	33.70	0.40	8	ACP	0.013	493815	0.00	123454	0.02
56	56		38.25	72	71	10		24	170		1700	4080	194	33.70	32.92	0.40	8	ACP	0.013	495086	0.01	123771	0.03
56	56		36.15	71	70	2		26	170		340	4420	118	32.92	32.45	0.40	8	ACP	0.013	492767	0.01	123192	0.04
56	56		34.72	70	74	12		96	170		2040	16320	122	29.98	29.60	0.31	10	ACP	0.013	790083	0.02	197521	0.08
56	56			74	75	0		96	170		0	16320	120	29.60	29.22	0.32	10	ACP	0.013	796640	0.02	199160	0.08
59	59		36.30	2	1	10		10	170		1700	1700	125	31.90	31.40	0.40	8	ACP	0.013	493815	0.00	123454	0.01
56	57		35.40	1	55	4		14	170		680	2380	103	31.40	30.99	0.40	8	ACP	0.013	492615	0.00	123154	0.02
57	56		34.90	55	78	8		22	170		1360	3740	173	30.99	30.30	0.40	8	ACP	0.013	493101	0.01	123275	0.03
56	56		33.65	78	75	8		30	170		1360	5100	220	30.30	29.22	0.49	8	ACP	0.013	547060	0.01	136765	0.04
56	56	ARGYLL COURT	34.80	75	76	0		126	170		0	21420	324	29.22	28.80	0.13	10	ACP	0.013	509698	0.04	127424	0.17
56	57	DUMBARTON DRIVE	36.25	76	12	0		126	170		0	21420	246	28.63	27.90	0.30	10	ACP	0.013	771178	0.03	192795	0.11
57	56	OFF DUMBARTON DRIVE	43.75	13	81	24		24	170		4080	4080	200	37.55	36.52	0.51	8	ACP	0.013	560322	0.01	140081	0.03
56	56	OFF DUMBARTON DRIVE	43.35	81	82	14		38	170		2380	6460	128	36.35	35.45	0.70	8	ACP	0.013	654712	0.01	163678	0.04
56	57	OFF DUMBARTON DRIVE	40.70	82	12	8		46	170		1360	7820	318	34.19	32.60	0.50	8	ACP	0.013	552102	0.01	138025	0.06
57	57	DUMBARTON DRIVE	39.88	12	11	0		46	170		0	7820	380	27.88	26.74	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	43.55	11	10	0		46	170		0	7820	320	26.74	25.78	0.30	10	ACP	0.013	775392	0.01	193848	0.04
57	57	DUMBARTON DRIVE	32.80	10	9	0		46	170		0	7820	400	25.78	24.58	0.30	10	ACP	0.013	775392	0.01	193848	0.04
52	52	SUNLIGHT SPRINGS ROAD	59.00	84	85	4		4	170		680	680	192	51.11	46.63	2.33	8	PVC	0.010	1550479	0.00	387620	0.00
52	52	GREENHAVEN COURT	55.85	87	86	4		4	170		680	680	90	48.93	48.34	0.66	8	PVC	0.010	821830	0.00	205458	0.00
52	52	GREENHAVEN COURT	56.90	86	85	10		14	170		1700	2380	292	48.12	46.58	0.53	8	PVC	0.010	737134	0.00	184283	0.01
52	52	SUNLIGHT SPRINGS ROAD	54.67	85	88	7		25	170		1190	4250	255	46.40	43.49	1.14	8	PVC	0.010	1084311	0.00	271078	0.02
52	52	SUNLIGHT SPRINGS ROAD	51.69	88	89	7		32	170		1190	5440	245	43.40	40.30	1.27	8	PVC	0.010	1141761	0.00	285440	0.02
52	52	HEATHERSWAY COURT	49.60	91	90	6		6	170		1020	1020	186	42.06	41.12	0.51	8	PVC	0.010	721581	0.00	180395	0.01
52	52	HEATHERSWAY COURT	47.76	91	89	6		12	170		1020	2040	196	41.00	40.25	0.38	8	PVC	0.010	627885	0.00	156971	0.01
52	56	SUNLIGHT SPRINGS ROAD	49.73	89	83	4		48	170		680	8160	192	40.14	39.16	0.51	8	PVC	0.010	725170	0.01	181293	0.05
56	56	SUNLIGHT SPRINGS ROAD	48.07	83	84	3		51	170		510	8670	76	39.11	38.58	0.70	8	PVC	0.010	847634	0.01	211909	0.04
56	56	SUNLIGHT SPRINGS ROAD	47.50	84	85	5		56	170		850	9520	182	38.54	37.71	0.46	8	PVC	0.010	685458	0.01	171364	0.06
56	56	SPRINGMEADOW DRIVE	46.53	85	86	0		56	170		0	9520	139	37.65	36.95	0.50	8	PVC	0.010	720309	0.01	180077	0.05
52	52	SILVERSIDE ROAD	61.35	97	96	12		12	170		2040	2040	192	53.32	48.51	2.51	8	PVC	0.010	1606569	0.00	401642	0.01
52	52	SILVERSIDE ROAD	58.76	96	93	0		12	170		0	2040	69	48.44	45.50	4.26	8	PVC	0.010	2095205	0.00	523801	0.00

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	GREYLAWN DRIVE	54.29	95	94	12		12	170		2040	2040	107	46.63	46.09	0.50	8	PVC	0.010	721078	0.00	180270	0.01
52	52	GREYLAWN DRIVE	55.20	94	93	0		12	170		0	2040	92	46.03	45.48	0.60	8	PVC	0.010	784811	0.00	196203	0.01
52	52	SPRINGMEADOW DRIVE	56.75	93	92	0		24	170		0	4080	160	45.43	43.08	1.47	8	PVC	0.010	1230131	0.00	307533	0.01
52	56	SPRINGMEADOW DRIVE	51.23	92	87	4		28	170		680	4760	200	43.03	41.45	0.79	8	PVC	0.010	902175	0.01	225544	0.02
56	56	SPRINGMEADOW DRIVE	49.75	87	86	0		28	170		0	4760	300	41.45	36.97	1.49	8	PVC	0.010	1240383	0.00	310096	0.02
56	56		47.57	86	88	0		84	170		0	14280	256	36.85	35.80	0.41	8	PVC	0.010	650058	0.02	162514	0.09
56	56		43.80	88	89	16		100	170		2720	17000	272	35.70	34.07	0.60	8	PVC	0.010	785754	0.02	196439	0.09
56	56		45.35	91	90	23		23	170		3910	3910	198	39.94	38.95	0.50	8	ACP	0.013	552102	0.01	138025	0.03
56	56		46.15	90	89	4		27	170		680	4590	216	38.95	34.07	2.26	8	ACP	0.013	1173592	0.00	293398	0.02
56	56		41.55	89	92	6		133	170		1020	22610	152	34.07	33.16	0.60	8	ACP	0.013	604134	0.04	151033	0.15
56	56		46.45	94	93	22		22	170		3740	3740	330	38.64	36.00	0.80	8	ACP	0.013	698360	0.01	174590	0.02
56	56		42.20	93	92	12		34	170		2040	5780	115	36.00	34.85	1.00	8	ACP	0.013	780790	0.01	195197	0.03
56	56		41.40	92	95	4		171	170		680	29070	168	33.16	32.15	0.60	8	ACP	0.013	605397	0.05	151349	0.19
56	57		41.80	95	7	0		171			0	29070	295	32.15	31.00	0.39	8	ACP	0.013	487497	0.06	121874	0.24
57	57		40.80	8	7	12		12	170		2040	2040	187	32.19	31.00	0.64	8	ACP	0.013	622855	0.00	155714	0.01
57	57		38.50	7	6	12		195	170		2040	33150	360	31.00	28.12	0.80	8	ACP	0.013	698360	0.05	174590	0.19
57	57		33.50	6	5	10		205	170		1700	34850	270	28.12	26.92	0.44	8	ACP	0.013	520526	0.07	130132	0.27
57	53		46.00	1	41	14		14	170		2380	2380	240	40.83	39.87	0.40	8	ACP	0.013	493815	0.00	123454	0.02
53	57		47.30	41	2	8		22	170		1360	3740	237	39.87	35.60	1.80	8	ACP	0.013	1048030	0.00	262008	0.01
57	57		41.00	2	3	8		30	170		1360	5100	193	35.60	33.00	1.35	8	ACP	0.013	906238	0.01	226559	0.02
57	57		37.90	3	4	2		32	170		340	5440	120	33.00	31.70	1.08	8	ACP	0.013	812672	0.01	203168	0.03
57	57		36.50	4	5	14		46	170		2380	7820	118	31.00	26.92	3.46	8	ACP	0.013	1451855	0.01	362964	0.02
57	57		34.75	5	9	0		251	170		0	42670	115	26.92	25.77	1.00	8	ACP	0.013	780790	0.05	195197	0.22
57	57	BUMBARTON DRIVE	33.26	9	14	0		297	170		0	50490	247	24.58	23.84	0.30	10	ACP	0.013	774869	0.07	193717	0.26
57	57	THORNHILL COURT	35.60	14	15	0		297	170		0	50490	165	23.84	23.34	0.30	8	ACP	0.013	429811	0.12	107453	0.47
57	57			16	15	6		6	170		1020	1020	50	25.49	25.34	0.30	8	PVC	0.010	555953	0.00	138988	0.01
57	57	THORNHILL COURT	33.53	15	17	10		313	170		1700	53210	178	23.34	22.81	0.30	10	ACP	0.013	772483	0.07	193121	0.28
53	53			CAP	27	2		2	170		340	340	110	35.41	34.86	0.50	8	ACP	0.013	552102	0.00	138025	0.00
53	53		38.65	27	28	12		14	170		2040	2380	154	34.86	34.09	0.50	8	ACP	0.013	552102	0.00	138025	0.02
53	53		41.67	28	29	16	6	30	170	1000	8720	11100	242	34.09	29.25	2.00	8	ACP	0.013	1104203	0.01	276051	0.04
53	53		34.86	29	30	8		38	170		1360	12460	125	29.25	28.62	0.50	8	ACP	0.013	554306	0.02	138576	0.09
53	53		32.00	30	31	4		42	170		680	13140	166	28.62	27.96	0.40	8	ACP	0.013	492325	0.03	123081	0.11
53	53		29.98	31	32	10		52	170		1700	14840	258	27.96	26.93	0.40	8	ACP	0.013	493336	0.03	123334	0.12
57	53		35.99	23	35	16		16	170		2720	2720	215	30.85	30.00	0.40	8	ACP	0.013	490935	0.01	122734	0.02
53	53		33.78	35	34	2		18	170		340	3060	122	30.00	28.78	1.00	8	ACP	0.013	780790	0.00	195197	0.02
53	53		36.11	40	39	30		30	170		5100	5100	160	32.16	30.56	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53		35.40	39	38	10		40	170		1700	6800	164	30.56	28.92	1.00	8	ACP	0.013	780790	0.01	195197	0.03
53	53			CAP	38	4		4	170		680	680	170	30.62	28.92	1.00	8	ACP	0.013	780790	0.00	195197	0.00
53	53		36.03	38	36	0		44	170		0	7480	145	28.92	28.19	0.50	8	ACP	0.013	554002	0.01	138501	0.05
53	53	BLMORAL COURT	34.95	37	36	28		28	170		4760	4760	138	30.95	28.19	2.00	8	ACP	0.013	1104203	0.00	276051	0.02
53	53	BLMORAL COURT	34.43	36	34	0		72	170		0	12240	203	28.19	27.38	0.40	8	ACP	0.013	493206	0.02	123302	0.10

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53		32.24	34	32	0		90	170		0	15300	120	27.38	26.93	0.37	8	ACP	0.013	478134	0.03	119534	0.13
53	53		33.30	32	33	6		148	170		1020	31160	234	26.83	25.88	0.41	8	ACP	0.013	497494	0.06	124374	0.25
53	57		35.30	33	22	4		152	170		680	31840	115	25.88	25.42	0.40	8	ACP	0.013	493815	0.06	123454	0.26
57	57		36.50	22	20	0		152	170		0	31840	192	25.42	24.65	0.40	8	ACP	0.013	494457	0.06	123614	0.26
57	57		37.20	21	20	12		12	170		2040	2040	180	29.35	26.64	1.51	8	ACP	0.013	958037	0.00	239509	0.01
57	57		38.30	20	18	14		178	170		2380	36260	180	24.65	23.93	0.40	8	PVC	0.010	641959	0.06	160490	0.23
57	57		32.75	19	18	14		14	170		2380	2380	215	26.78	25.92	0.40	8	ACP	0.013	493815	0.00	123454	0.02
57	57		35.50	18	17	0		192	170		0	38640	142	23.93	23.36	0.40	8	ACP	0.013	494683	0.08	123671	0.31
57	57		32.45	17	24	44		549	170		7480	99330	133	23.36	22.41	0.71	10	ACP	0.013	1196456	0.08	299114	0.33
57	57		33.40	24	25	8		557	170		1360	100690	348	22.41	21.37	0.30	10	ACP	0.013	773905	0.13	193476	0.52
57	57		31.10	25	26	4		561	170		680	101370	170	21.37	20.70	0.39	10	ACP	0.013	888738	0.11	222184	0.46
57	57	Shorrock St.	39.13	26	29	0		561	170		0	101370	470	20.60	18.70	0.40	10	ACP	0.013	900096	0.11	225024	0.45
23	23	Lehigh Ave.	32.77	5	4	1		1	3000		3000	3000	298.6	25.76	24.65	0.37	8	ACP	0.013	476048	0.01	119012	0.03
23	23	Lehigh Ave.	33.24	4	1	1		2	3000		3000	6000	299.2	24.65	23.40	0.42	8	ACP	0.013	504671	0.01	126168	0.05
23	19	Lehigh Ave.	34.53	1	32	1		3	3000		3000	9000	291	23.40	22.10	0.45	8	ACP	0.013	521866	0.02	130467	0.07
19	19	Lehigh Ave.	31.66	32	30	3		6	3000		9000	18000	395	22.10	20.32	0.45	8	ACP	0.013	524138	0.03	131034	0.14
19	19	Lehigh Ave.	29.17	30	27	2		8	3000		6000	24000	296.6	20.32	19.28	0.35	8	ACP	0.013	462344	0.05	115586	0.21
19	19	Lehigh Ave.	27.66	27	24	1		9	3000		3000	27000	295.5	19.28	18.05	0.42	8	ACP	0.013	503742	0.05	125935	0.21
19	19	Lehigh Ave.	26.22	24	10	1		10	3000		3000	30000	295.9	18.05	16.86	0.40	8	ACP	0.013	495148	0.06	123787	0.24
19	19	Swarthmore Ave.		20	18	3		3	3000		9000	9000	300	21.67	20.48	0.40	8	ACP	0.013	491753	0.02	122938	0.07
19	19	Swarthmore Ave.		18	15	2		5	3000		6000	15000	295	20.48	19.30	0.40	8	ACP	0.013	493815	0.03	123454	0.12
19	19	Swarthmore Ave.		15	14	1		6	3000		3000	18000	300	19.30	18.10	0.40	8	ACP	0.013	493815	0.04	123454	0.15
19	19	Swarthmore Ave.		14	11	1		7	3000		3000	21000	295	18.10	16.92	0.40	8	ACP	0.013	493815	0.04	123454	0.17
19	19	Swarthmore Ave.		11	10	1		8	3000		3000	24000	229.9	16.92	16.01	0.40	8	ACP	0.013	491230	0.05	122808	0.20
19	19	Swarthmore Ave.		10	8	0		18	3000		0	54000	269	16.01	15.24	0.29	10	ACP	0.013	757408	0.07	189352	0.29
19	19	Swarthmore Ave.		8	2	0		18	3000		0	54000	246	15.24	14.38	0.35	10	ACP	0.013	837033	0.06	209258	0.26
21	22	Oberlin Ave. South	51.43	5	4	2		2	3000		6000	6000	396.7	43.66	36.24	1.87	8	ACP	0.013	1067837	0.01	266959	0.02
22	22	Oberlin Ave. South	44.30	4	5	1		3	3000		3000	9000	295.7	36.24	34.40	0.62	8	ACP	0.013	615910	0.01	153978	0.06
22	22	Oberlin Ave. South	41.79	5	6	1		4	3000		3000	12000	295.3	34.40	32.15	0.76	8	ACP	0.013	681544	0.02	170386	0.07
22	22	Oberlin Ave. South	39.42	6	7	1		5	3000		3000	15000	367	32.15	30.50	0.45	8	ACP	0.013	523532	0.03	130883	0.11
22	22	Oberlin Ave. South	43.99	1	2	3		3	3000		9000	9000	307.1	37.04	35.99	0.34	8	ACP	0.013	456550	0.02	114138	0.08
22	22	Oberlin Ave. South	43.05	2	3	0		3	3000		0	9000	277.5	35.99	33.27	0.98	8	ACP	0.013	773013	0.01	193253	0.05
22	22	Oberlin Ave. South	40.25	3	7	0		3	3000		0	9000	274	33.27	30.50	1.01	8	ACP	0.013	785052	0.01	196263	0.05
22	22	Oberlin Ave. South	37.42	7	8	0		8	3000		0	24000	258.5	30.50	28.95	0.60	8	ACP	0.013	604602	0.04	151151	0.16
22	22	Oberlin Ave. South	36.09	8	9	0		8	3000		0	24000	251.7	28.95	27.66	0.51	8	ACP	0.013	558968	0.04	139742	0.17
22	22	Oberlin Ave. South	35.84	9	10	0		8	3000		0	24000	293.3	27.66	26.20	0.50	8	ACP	0.013	550877	0.04	137719	0.17
21	21	Pine Street		PS	1	1		1	2000		2000	2000	1100	Force main			2	DIP	0.013	N/A	N/A	N/A	N/A
25	25	New Hampshire Blvd.	49.30	1	PS	1		1	3000		3000	3000	177	42.96	41.19	1.00	8	DIP	0.013	780790	0.00	195197	0.02
25	21	New Hampshire Blvd.	49.30	PS	1	0		1	3000		0	3000		Force main			4	DIP	0.013	N/A	N/A	N/A	N/A
21	21	Oberlin Ave. South	48.73	1	2	2		4	3000		6000	11000	125.2	43.13	42.57	0.45	8	ACP	0.013	522187	0.02	130547	0.08
21	21	Oberlin Ave. South	52.81	4	2	1		1	3000		3000	3000	97.5	44.39	42.59	1.85	8	ACP	0.013	1060884	0.00	265221	0.01
21	21	Vassar Ave.	50.89	2	3	1		6	3000		3000	17000	271.3	42.51	41.39	0.41	8	ACP	0.013	501670	0.03	125418	0.14
21	26	Vassar Ave.	49.60	3	1	1		7	3000		3000	20000	294.8	41.39	40.19	0.41	8	ACP	0.013	498151	0.04	124538	0.16
26	26	Vassar Ave.	48.12	1	2	0		7	3000		0	20000	295.7	40.19	38.88	0.44	8	ACP	0.013	519690	0.04	129922	0.15
26	26	Vassar Ave.	46.60	2	5	2		9	3000		6000	26000	397.7	38.88	37.06	0.46	8	ACP	0.013	528192	0.05	132048	0.20
26	26	Vassar Ave.	44.30	5	6	1		10	3000		3000	29000	240	37.06	36.16	0.38	8	ACP	0.013	478134	0.06	119534	0.24

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
26	26	Vassar Ave.	40.51	7	6	0		0	3000		0	0	297	32.19	31.49	0.24	12	ACP	0.013	1117588	0.00	279397	0.00
26	26	Vassar Ave.	42.60	6	9	2		12	3000		6000	35000	244	31.49	31.01	0.20	12	ACP	0.013	1021025	0.03	255256	0.14
26	26	Vassar Ave.	41.32	9	11	1		13	3000		3000	38000	225.7	31.01	30.51	0.22	12	ACP	0.013	1083503	0.04	270876	0.14
26	22	Vassar Ave.	40.41	11	19	0		13	3000		0	38000	380.7	30.51	29.70	0.21	12	ACP	0.013	1061847	0.04	265462	0.14
22	22	Vassar Ave.	40.94	19	17	2		15	3000		6000	44000	390.5	29.70	28.82	0.23	12	ACP	0.013	1092802	0.04	273201	0.16
22	22	Vassar Ave.	39.00	17	16	0		15	3000		0	44000	386.8	28.82	27.94	0.23	12	ACP	0.013	1098017	0.04	274504	0.16
22	22	Vassar Ave.	39.80	16	13	2		17	3000		6000	50000	301.6	27.94	27.13	0.27	12	ACP	0.013	1192992	0.04	298248	0.17
22	22	Vassar Ave.	38.30	13	12	1		18	3000		3000	53000	395.4	27.13	26.53	0.15	12	ACP	0.013	896743	0.06	224186	0.24
22	22	Vassar Ave.	36.79	12	10	0		18	3000		0	53000	295.8	26.53	25.96	0.19	12	ACP	0.013	1010530	0.05	252632	0.21
22	22	Oberlin Ave. South	35.37	10	11	1		27	3000		3000	80000	242.7	25.96	25.42	0.22	12	ACP	0.013	1085857	0.07	271464	0.29
22	18	Oberlin Ave. South	37.69	11	15	0		27	3000		0	80000	247	25.42	24.86	0.23	12	ACP	0.013	1096115	0.07	274029	0.29
18	18	Oberlin Ave. North	37.67	15	15(drop)	1		28	3000		3000	83000	292.7	24.86	24.09	0.26	12	ACP	0.013	1180714	0.07	295179	0.28
18	18	Oberlin Ave. North	35.66	15(drop)	14	1		29	3000		3000	86000	293	24.09	23.46	0.22	12	ACP	0.013	1067449	0.08	266862	0.32
18	18	Oberlin Ave. North	34.05	14	12	1		30	3000		3000	89000	293.7	23.46	22.94	0.18	12	ACP	0.013	968636	0.09	242159	0.37
18	18	Oberlin Ave. North	32.60	12	10	3		33	3000		9000	98000	396.6	22.94	22.04	0.23	12	ACP	0.013	1096619	0.09	274155	0.36
18	18	Oberlin Ave. North	29.72	10	9	1		34	3000		3000	101000	394	22.04	18.35	0.94	12	ACP	0.013	2227798	0.05	556950	0.18
18	19	Oberlin Ave. North	26.72	9	1	2		36	3000		6000	107000	298	18.35	15.67	0.90	12	ACP	0.013	2183082	0.05	545770	0.20
18	18	Kenyon Dr.	53.98	6	7	0		0	3000		0	0	316	46.89	31.57	4.85	8	PVC	0.010	2234927	0.00	558732	0.00
18	14	Kenyon Dr.	41.00	7	37	0		0	3000		0	0	250	31.50	21.26	4.10	8	PVC	0.010	2054269	0.00	513567	0.00
14	14	Kenyon Dr.	30.29	37	35	1		1	3000		3000	3000	349	21.23	18.25	0.85	8	PVC	0.010	937935	0.00	234484	0.01
14	14	Swarthmore Ave.	26.75	34	35	1		1	3000		3000	3000	257.2	19.23	18.25	0.38	8	ACP	0.013	481961	0.01	120490	0.02
14	14	Swarthmore Ave.	26.66	35	39	1		3	3000		3000	9000	393.5	18.02	17.19	0.21	12	ACP	0.013	1057249	0.01	264312	0.03
14	14	Swarthmore Ave.	25.96	39	40	1		4	3000		3000	12000	397.6	17.19	16.40	0.20	12	ACP	0.013	1026127	0.01	256532	0.05
14	18	Swarthmore Ave.	24.32	40	8	1		5	3000		3000	15000	296.2	16.40	15.81	0.20	12	ACP	0.013	1027411	0.01	256853	0.06
18	19	Swarthmore Ave.	26.06	8	1	1		6	3000		3000	18000	339.8	15.81	15.11	0.21	12	ACP	0.013	1044836	0.02	261209	0.07
19	19	Swarthmore Ave.	24.41	1	2	2		44	3000		6000	131000	295	15.11	14.16	0.32	14	ACP	0.013	1970545	0.07	492636	0.27
19	19	Swarthmore Ave.	22.90	2	3	0		62	3000		0	185000	223.9	14.13	13.66	0.21	14	ACP	0.013	1590953	0.12	397738	0.47
19	19	Offroad	24.04	3	4	0		62	3000		0	185000	225.4	13.66	13.08	0.26	14	ACP	0.013	1761459	0.11	440365	0.42
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29	29	Airport Rd.	45.53	11	14	2		2	3000		6000	6000	350	38.58	35.00	1.02	8	ACP	0.013	789663	0.01	197416	0.03
29	30	Airport Rd.	41.87	14	1	1		3	3000		3000	9000	400	35.00	30.20	1.20	8	ACP	0.013	855312	0.01	213828	0.04
29	29	Offroad	39.90	18	16	1		1	3000		3000	3000	320	31.88	30.54	0.42	8	ACP	0.013	505256	0.01	126314	0.02
29	30	Offroad	38.00	16	1	0		1	3000		0	3000	80	30.54	30.20	0.43	8	ACP	0.013	509013	0.01	127253	0.02
30	30	Airport Rd.	39.15	1	2	0	4	4	3000	3000	12000	24000	295	29.87	29.22	0.22	12	ACP	0.013	1080579	0.02	270145	0.09
30	30	Airport Rd.	38.62	2	4	2		6	2500		5000	29000	375	29.22	27.44	0.47	12	ACP	0.013	1586007	0.02	396502	0.07
30	30	Airport Rd.	38.67	4	5	0		6	3000		0	29000	310	27.39	26.58	0.26	12	PVC	0.010	1529734	0.02	382433	0.08
30	30	Airport Rd.	37.13	5	6	0		6	3000		0	29000	315	26.53	25.71	0.26	12	PVC	0.010	1526883	0.02	381721	0.08
30	30	Airport Rd.	35.55	6	7	0		6	3000		0	29000	400	25.66	24.62	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
30	27	Airport Rd.	35.30	7	8	0		6	3000		0	29000	400	24.57	23.53	0.26	12	PVC	0.010	1525952	0.02	381488	0.08
30	30	Energy Way	37.60	12	13	2		2	3000		6000	6000	50	28.01	27.76	0.50	12	PVC	0.010	2116114	0.00	529029	0.01
30	30	Energy Way	37.32	13	11	0		2	3000		0	6000	98	27.76	27.53	0.23	12	PVC	0.010	1449790	0.00	362447	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
30	30	Energy Way	35.00	15	11	0		0	3000		0	0	345	28.91	27.53	0.40	12	PVC	0.010	1892710	0.00	473178	0.00
30	30	Energy Way	36.80	11	8	0		2	3000		0	6000	258	27.31	26.09	0.47	12	PVC	0.010	2057900	0.00	514475	0.01
30	27	Energy Way	35.35	8	10	0		2	3000		0	6000	59	26.09	25.76	0.56	12	PVC	0.010	2238129	0.00	559532	0.01
27	27	Energy Way	34.98	10	8	0		2	3000		0	6000	393	25.76	23.81	0.50	12	PVC	0.010	2108022	0.00	527006	0.01
27	27	Airport Rd.	34.70	8	7	0		8	3000		0	35000	310	23.48	22.67	0.26	12	PVC	0.010	1529734	0.02	382433	0.09
27	27	Airport Rd.	33.15	7	6	0		8	3000		0	35000	335	22.62	21.75	0.26	12	PVC	0.010	1525075	0.02	381269	0.09
27	27	Airport Rd.	32.75	6	5	3		11	2000		6000	41000	400	21.70	20.66	0.26	12	PVC	0.010	1525952	0.03	381488	0.11
27	27	Airport Rd.	30.75	5	4	0		11	3000		0	41000	400	20.61	19.57	0.26	12	PVC	0.010	1525952	0.03	381488	0.11
27	27	Airport Rd.	29.91	4	1	2		13	2500		5000	46000	400	19.52	18.48	0.26	12	PVC	0.010	1525952	0.03	381488	0.12
27	23	Airport Rd.	29.92	1	17	1		14	3000		3000	49000	390	18.43	17.43	0.26	12	PVC	0.010	1515381	0.03	378845	0.13
27	27	Cedar Bridge Ave.	28.55	3	2	0		0	2000		0	0	395.1	19.48	18.48	0.25	10	ACP	0.013	712209	0.00	178052	0.00
27	23	Cedar Bridge Ave.	29.91	2	17	0		0	2000		0	0	395.1	18.48	17.30	0.30	12	ACP	0.013	1258051	0.00	314513	0.00
23	23	Cedar Bridge Ave.	29.06	17	17A	0		14	2000		0	49000	43	17.30	16.78	1.21	12	PVC	0.010	3290952	0.01	822738	0.06
23	23	Cedar Bridge Ave.	31.53	14	15	1		1	3000		3000	3000	247.2	23.75	22.55	0.49	8	ACP	0.013	544002	0.01	136000	0.02
23	23	Cedar Bridge Ave.	31.07	15	16 (Drop)	0		1	3000		0	3000	244.8	22.55	21.26	0.53	12	ACP	0.013	1671090	0.00	417773	0.01
23	23	Cedar Bridge Ave.	30.25	16 (Drop)	17A	0		15	3000		0	52000	231	16.78	16.50	0.12	12	PVC	0.010	1041903	0.05	260476	0.20
23	23	Cedar Bridge Ave.	30.25	17A	17B	0		29	3000		0	101000	300	16.50	16.10	0.13	12	PVC	0.010	1092757	0.09	273189	0.37
23	23	Offroad	30.25	17B	13	0		29	3000		0	101000	238	16.10	15.81	0.12	12	PVC	0.010	1044635	0.10	261159	0.39
23	23	Offroad	30.25	13	12	0		29	3000		0	101000	248.2	15.81	15.28	0.21	12	ACP	0.013	1063770	0.09	265943	0.38
23	23	Offroad	26.94	12	6	0		29	3000		0	101000	294.4	15.28	14.62	0.22	12	ACP	0.013	1089968	0.09	272492	0.37
23	23	Swarthmore Ave.	29.54	6	7	1		30	3000		3000	104000	198.4	14.62	14.22	0.20	12	ACP	0.013	1033641	0.10	258410	0.40
23	23	Swarthmore Ave.	30.62	7	8	1		31	3000		3000	107000	196.3	14.22	13.69	0.27	12	ACP	0.013	1196158	0.09	299040	0.36
24	24	Rutgers Blvd.	30.99	8	7	0		0	3000		0	0	300.3	23.24	22.09	0.38	8	PVC	0.010	628129	0.00	157032	0.00
24	24	Rutgers Blvd.	29.42	7	6	0		0	3000		0	0	298.7	22.09	20.93	0.39	8	PVC	0.010	632541	0.00	158135	0.00
24	24	Rutgers Blvd.	29.97	6	5	1		1	3000		3000	3000	318.2	20.93	19.64	0.41	8	PVC	0.010	646282	0.00	161571	0.02
24	24	Rutgers Blvd.	28.36	5	4	0		1	3000		0	3000	216.9	19.64	18.85	0.36	8	PVC	0.010	612578	0.00	153144	0.02
24	24	Rutgers Blvd.	27.41	4	2	0		1	3000		0	3000	175.4	18.85	17.84	0.58	8	PVC	0.010	770235	0.00	192559	0.02
24	23	Rutgers Blvd.	28.76	2	11	1		2	3000		3000	6000	306.2	17.84	16.64	0.39	8	PVC	0.010	635427	0.01	158857	0.04
23	23	Rutgers Blvd.	30.53	11	10	2		4	3000		6000	12000	398.1	16.64	15.21	0.36	8	PVC	0.010	608344	0.02	152086	0.08
23	23	Rutgers Blvd.	30.03	10	8	0		4	3000		0	12000	130	15.21	14.39	0.63	8	PVC	0.010	806144	0.01	201536	0.06
23	23	Swarthmore Ave.	31.57	8	9	2		37	3000		6000	125000	397.9	13.69	12.91	0.20	14	ACP	0.013	1537432	0.08	384358	0.33
23	24	Swarthmore Ave.	31.33	9	1	2		39	3000		6000	131000	395.6	12.91	12.31	0.15	14	ACP	0.013	1352331	0.10	338083	0.39
24	20	Swarthmore Ave.	32.21	1	11	1		40	3000		3000	134000	370.4	12.31	11.52	0.21	14	ACP	0.013	1603665	0.08	400916	0.33
20	20	Swarthmore Ave.	28.90	11	10	1		41	3000		3000	137000	248.1	11.52	10.99	0.21	14	ACP	0.013	1604945	0.09	401236	0.34
20	20	Swarthmore Ave.	26.98	10	9	0		41	3000		0	137000	295.1	10.99	10.26	0.25	14	ACP	0.013	1727080	0.08	431770	0.32
20	20	Swarthmore Ave.	25.50	9	8	1		42	3000		3000	140000	294.1	10.26	9.67	0.20	14	ACP	0.013	1555300	0.09	388825	0.36
20	20	Rutgers Blvd.	29.94	18	17	0		0	3000		0	0	411	22.58	20.51	0.50	8	PVC	0.010	720347	0.00	180087	0.00
20	20	Rutgers Blvd.	27.91	17	16	1		1	3000		3000	3000	302	20.51	19.03	0.49	8	PVC	0.010	710567	0.00	177642	0.02
20	20	Rutgers Blvd.	26.25	16	15	1		2	3000		3000	6000	208.5	19.03	17.90	0.54	8	PVC	0.010	747246	0.01	186812	0.03
20	20	Rutgers Blvd.	25.50	15	14	0		2	3000		0	6000	245.9	17.90	17.00	0.37	8	PVC	0.010	614072	0.01	153518	0.04
20	20	Rutgers Blvd.	29.33	14	13	0		2	3000		0	6000	396.5	17.00	15.49	0.38	8	PVC	0.010	626389	0.01	156597	0.04
20	20	Rutgers Blvd.	26.99	13	12	0		2	3000		0	6000	394.5	15.49	13.79	0.43	8	PVC	0.010	666313	0.01	166578	0.04
20	20	Rutgers Blvd.	24.37	12	8	0		2	3000		0	6000	129	13.79	13.27	0.40	8	PVC	0.010	644443	0.01	161111	0.04
20	20	Swarthmore Ave.	24.10	8	7	1		45	3000		3000	149000	155.1	9.67	9.22	0.29	14	ACP	0.013	1870406	0.08	467602	0.32
20	20	Swarthmore Ave.	23.20	7	6	0		45	3000		0	149000	190.9	9.22	8.96	0.14	14	ACP	0.013	1281502	0.12	320375	0.47

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
19	19	Swarthmore Ave.	30.10	21	22	1		1	3000		3000	3000	395	22.57	15.78	1.72	8	ACP	0.013	1023695	0.00	255924	0.01
19	20	Swarthmore Ave.	23.29	22	6	1		2	3000		3000	6000	300.8	15.78	14.27	0.50	8	ACP	0.013	553202	0.01	138300	0.04
20	20	Swarthmore Ave.	22.21	6	1	0		47	3000		0	155000	395.6	8.96	8.09	0.22	14	ACP	0.013	1628422	0.10	407106	0.38
20	20	Offroad	18.38	1	2	0		47	3000		0	155000	110.3	8.09	7.45	0.58	14	ACP	0.013	2645074	0.06	661268	0.23
					OCUA																		
28	28	New Hampshire Ave.	NEW	NEW	1	1052		1052	1000	1052000	1052000	1052000											
28	28	New Hampshire Ave.	59.91	1	2	0	2	1052	3000	3000	6000	1058000	321	53.74	53.29	0.14	16	ACP	0.013	1856241	0.57	464060	2.28
28	28	New Hampshire Ave.	60.77	2	3	1		1053	3000		3000	1061000	408	53.29	52.13	0.28	16	ACP	0.013	2643502	0.40	660876	1.61
28	28	New Hampshire Ave.	59.58	3	4	0		1053	3000		0	1061000	192	52.13	51.87	0.14	16	ACP	0.013	1824386	0.58	456097	2.33
28	28	Oak St.	58.90	4	5	1	7	1054	10000	3000	31000	1092000	428	51.87	50.92	0.22	16	ACP	0.013	2335719	0.47	583930	1.87
28	28	Oak St.	59.08	5	6	1		1055	3000		3000	1095000	429	50.92	49.97	0.22	16	ACP	0.013	2332995	0.47	583249	1.88
28	28	Oak St.	57.27	6	7	0		1055	3000		0	1095000	445	49.97	49.04	0.21	16	ACP	0.013	2266429	0.48	566607	1.93
28	28	Oak St.	62.18	10	9	4		4	3000		12000	12000	270	57.00	55.05	0.72	8	ACP	0.013	663544	0.02	165886	0.07
28	28	Oak St.	60.68	9	8	1		5	3000		3000	15000	300	55.05	52.28	0.92	8	ACP	0.013	750263	0.02	187566	0.08
28	28	Oak St.	57.43	8	7	1		6	3000		3000	18000	300	52.28	49.04	1.08	8	ACP	0.013	811420	0.02	202855	0.09
28	28	Towbin Ave.	54.41	12	11	2		2	3000		6000	6000	245	50.29	49.80	0.20	12	ACP	0.013	1029499	0.01	257375	0.02
28	28	Towbin Ave.	57.91	11	7	2		4	3000		6000	12000	400	49.80	49.04	0.19	12	ACP	0.013	1003431	0.01	250858	0.05
28	28	Towbin Ave.	56.74	7	13	1		1066	3000		3000	1128000	302	49.04	47.73	0.43	12	ACP	0.013	1516153	0.74	379038	2.98
28	28	Towbin Ave.	55.48	13	14	2		1068	3000		6000	1134000	298	47.73	46.52	0.41	12	ACP	0.013	1466882	0.77	366721	3.09
28	33	Towbin Ave.	54.27	14	8	2		1070	3000		6000	1140000	383	46.52	44.81	0.45	12	ACP	0.013	1538188	0.74	384547	2.96
33	33	Towbin Ave.	52.95	8	7	1		1071	3000		3000	1143000	400	44.81	43.54	0.32	12	ACP	0.013	1297127	0.88	324282	3.52
33	33	Towbin Ave.	51.50	7	6	0		1071	3000		0	1143000	122	43.54	43.44	0.08	12	ACP	0.013	659069	1.73	164767	6.94
33	33	Salem Street	NEW	NEW	1	682		682	Varies		682000	682000											
33	33	Healthcare Way	51.94	1	2	1		683	3000	11630	14630	696630	301	46.20	45.78	0.14	12	ACP	0.013	859908	0.81	214977	3.24
33	33	Healthcare Way	45.78	2	3	0		683	3000		0	696630	349	45.78	45.24	0.15	12	ACP	0.013	905514	0.77	226378	3.08
33	33	Healthcare Way	49.00	3	4	0		683	3000		0	696630	275	45.24	44.72	0.19	12	ACP	0.013	1001028	0.70	250257	2.78
33	33	Healthcare Way	49.74	4	5	0		683	3000		0	696630	382	44.72	44.16	0.15	12	ACP	0.013	881400	0.79	220350	3.16
33	33	Healthcare Way	48.38	5	6	0		683	3000		0	696630	398	44.16	43.44	0.18	12	ACP	0.013	979119	0.71	244780	2.85
33	33	Towbin St.	50.77	6	9	1	2	1755	3000	3000	9000	1848630	315	43.44	42.74	0.22	12	ACP	0.013	1085187	1.70	271297	6.81
33	33	Towbin St.	49.71	9	10	1		1756	3000		3000	1851630	270	42.74	42.48	0.10	12	ACP	0.013	714357	2.59	178589	10.37
33	33	Towbin St.	48.54	10	11	1	1	1757	3000	3000	6000	1857630	294	42.48	42.24	0.08	12	ACP	0.013	657723	2.82	164431	11.30
28	33	Paco Way		15	8	1		1	3000		3000	3000	195	45.92	45.59	0.17	14	ACP	0.013	1428483	0.00	357121	0.01
33	33	Paco Way		8	9	1	1	2	3000	3000	6000	9000	310	45.59	45.06	0.17	14	ACP	0.013	1435796	0.01	358949	0.03
33	34	Paco Way		9	1	2		4	3000		6000	15000	355	45.06	44.45	0.17	14	ACP	0.013	1439416	0.01	359854	0.04
34	34	Paco Way		1	2	0		4	3000		0	15000	400	44.45	43.77	0.17	14	ACP	0.013	1431726	0.01	357932	0.04
34	33	Paco Way		2	13	1	1	5	2000	3000	5000	20000	303	43.77	43.14	0.21	14	ACP	0.013	1583378	0.01	395844	0.05
33	33	Offroad		13	12	0		5	3000		0	20000	322	43.14	42.63	0.16	14	ACP	0.013	1381951	0.01	345488	0.06
33	33	Offroad		12	11	0		5	3000		0	20000	280	42.63	42.24	0.14	14	ACP	0.013	1295952	0.02	323988	0.06
33	33	Towbin St.		11	15	0		1762	3000		0	1877630	315	42.24	41.73	0.16	16	ACP	0.013	1994851	0.94	498713	3.76
33	33	Towbin St.	45.20	15	16	1		1763	3000		3000	1880630	175	41.73	40.76	0.55	16	ACP	0.013	3691030	0.51	922757	2.04
33	33	Towbin St.	46.30	16	17	1		1764	3000		3000	1883630	269	40.76	40.31	0.17	16	ACP	0.013	2027733	0.93	506933	3.72

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
33	33	Service	41.60	19	18	0		0	3000		0	0	75	41.64	40.97	0.89	6	PVC	0.010	445466	0.00	111366	0.00
33	33	Service	40.97	18	17	0		0	3000		0	0	18	40.97	40.81	0.89	6	PVC	0.010	444356	0.00	111089	0.00
33	39	Towbin St.	46.30	17	16	0		1764	3000		0	1883630	135	40.31	40.08	0.17	12	ACP	0.013	950184	1.98	237546	7.93
39	40	Route 70	44.96	16	1	0		1764	300		0	1883630	420	40.08	39.66	0.10	12	ACP	0.013	727965	2.59	181991	10.35
40	40	Plymouth Dr.	44.96	1	2	30		30	300		9000	9000	60	39.66	39.60	0.10	12	ACP	0.013	727965	0.01	181991	0.05
40	40	Plymouth Dr.	44.96	2	3	10		40	300		3000	13700	119	39.60	39.48	0.10	12	ACP	0.013	731018	0.02	182754	0.07
39	40	Plymouth Dr.	?	18	2	10		10	170		1700	1700	370	41.93	40.45	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Plymouth Dr.	45.48	3	4	20		60	170		3400	17100	226	39.48	39.25	0.10	12	ACP	0.013	734379	0.02	183595	0.09
40	40	Plymouth Dr.	46.47	4	5	6		66	170		1020	18120	142	39.25	39.11	0.10	12	ACP	0.013	722821	0.03	180705	0.10
40	40	Plymouth Dr.	45.50	5	6	12		78	170		2040	20160	80	39.11	39.03	0.10	12	ACP	0.013	727965	0.03	181991	0.11
40	40	Plymouth Dr.	44.30	8	7	22		22	170		3740	3740	224	39.59	38.72	0.39	8	ACP	0.013	486597	0.01	121649	0.03
40	40	Plymouth Dr.	43.08	7	6	0		22	170		0	3740	92	38.72	38.39	0.36	8	ACP	0.013	467624	0.01	116906	0.03
40	40	Plymouth Dr.	42.30	6	9	0		100	170		0	23900	338	38.39	37.99	0.12	12	ACP	0.013	791922	0.03	197981	0.12
40	40	Plymouth Dr.	44.30	9	12	8		108	170		1360	25260	237	37.99	37.06	0.39	12	ACP	0.013	1442043	0.02	360511	0.07
40	40	Plymouth Dr.	43.14	11	10	10		10	170		1700	1700	174	42.03	41.33	0.40	8	ACP	0.013	495232	0.00	123808	0.01
40	40	Plymouth Dr.	43.62	10	12	6		16	170		1020	2720	235	41.33	39.00	0.99	8	ACP	0.013	777460	0.00	194365	0.01
40	40	Plymouth Dr.	40.36	12	14	12		136	170		2040	30020	225	38.45	38.22	0.10	12	ACP	0.013	736010	0.04	184002	0.16
40	40	Plymouth Dr.	44.60	14	17	0		136	170		0	30020	158	38.22	38.06	0.10	12	ACP	0.013	732558	0.04	183140	0.16
40	40	Plymouth Dr.	40.62	17	18	24		160	170		4080	34100	140	38.06	37.92	0.10	12	ACP	0.013	727965	0.05	181991	0.19
40	40	Plymouth Dr.	40.63	18	19	6		166	170		1020	35120	195	37.92	37.79	0.07	12	ACP	0.013	594381	0.06	148595	0.24
40	40	Plymouth Dr.	43.50	15	16	34		34	170		5780	5780	247	40.72	39.73	0.40	8	ACP	0.013	494314	0.01	123579	0.05
40	40	Plymouth Dr.	44.40	16	19	14		48	170		2380	8160	402	39.73	38.12	0.40	8	ACP	0.013	494122	0.02	123530	0.07
40	40	Plymouth Dr.	41.72	19	20	14		228	170		2380	45660	400	37.79	37.31	0.12	12	ACP	0.013	797446	0.06	199362	0.23
34	34	Plymouth Dr.	43.80	42	43	18		18	170		3060	3060	203	39.78	38.97	0.40	8	ACP	0.013	493206	0.01	123302	0.02
34	40	Plymouth Dr.	40.57	43	20	10		28	170		1700	4760	332	38.97	37.64	0.40	8	ACP	0.013	494186	0.01	123547	0.04
40	40	Plymouth Dr.	40.00	20	21	0		256	170		0	50420	90	37.31	37.20	0.12	12	ACP	0.013	804796	0.06	201199	0.25
40	40	Plymouth Dr.	39.50	21	22	0		256	170		0	50420	175	37.15	36.15	0.57	12	ACP	0.013	1740170	0.03	435043	0.12
44	45	Locust St.	Abandoned	30	1	0		0	170		0	0	265	Force Main			4	ACP	0.013	NA	NA	NA	NA
45	45	Offroad	Abandoned	1	2	0		0	170		0	0	325	54.10	52.81	0.40	4	ACP	0.013	77471	0.00	19368	0.00
45	45	Offroad	59.00	2	3	0		0	170		0	0	400	52.81	51.26	0.39	8	ACP	0.013	486038	0.00	121509	0.00
45	45	Offroad	57.00	3	4	0		0	170		0	0	381	51.26	49.70	0.41	8	ACP	0.013	499613	0.00	124903	0.00
45	45	Offroad	52.52	4	5	0		0	170		0	0	60	49.70	49.61	0.15	8	ACP	0.013	302399	0.00	75600	0.00
45	45	Offroad	52.40	5	6	4		4	170		680	680	144	49.61	49.18	0.30	8	ACP	0.013	426665	0.00	106666	0.01
45	45	Buckingham Ct.	52.25	6	7	2		6	170		340	1020	138	49.13	48.72	0.30	8	ACP	0.013	425585	0.00	106396	0.01
45	39	Buckingham Ct.	52.95	7	34	16		22	170		2720	3740	430	48.72	47.44	0.30	8	ACP	0.013	425995	0.01	106499	0.04
39	39	Jefferson Ct.	54.64	34	29	20		42	170		3400	7140	348	47.44	46.40	0.30	8	ACP	0.013	426836	0.02	106709	0.07
39	39	Jefferson Ct.	54.70	29	30	10		52	170		1700	8840	268	46.37	45.57	0.30	8	ACP	0.013	426591	0.02	106648	0.08
39	39	Jefferson Ct.		30	31	8		60	170		1360	10200	190	45.57	45.00	0.30	8	ACP	0.013	427656	0.02	106914	0.10
39	39	Kingston Ct.	52.30	19	20	10		10	170		1700	1700	120	49.37	48.89	0.40	8	ACP	0.013	493815	0.00	123454	0.01
39	39	Kingston Ct.	52.45	20	21	4		14	170		680	2380	137	48.79	48.24	0.40	8	ACP	0.013	494715	0.00	123679	0.02
39	39	Kingston Ct.	51.30	21	22	10		24	170		1700	4080	320	48.14	47.18	0.30	8	ACP	0.013	427656	0.01	106914	0.04
39	39	Kingston Ct.	51.61	22	25	10		34	170		1700	5780	303	47.13	46.22	0.30	8	ACP	0.013	427891	0.01	106973	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
39	39	Kingston Ct.	55.30	24	25	18		18	170		3060	3060	264	49.31	46.67	1.00	8	ACP	0.013	780790	0.00	195197	0.02
39	39	Kingston Ct.	52.20	25	27	0		52	170		0	8840	178	46.17	45.64	0.30	8	ACP	0.013	426051	0.02	106513	0.08
39	39	Kingston Ct.	54.50	26	27	16		16	170		2720	2720	410	49.84	45.74	1.00	8	ACP	0.013	780790	0.00	195197	0.01
39	39	Kingston Ct.	50.72	23	28	30		30	170		5100	5100	436	47.26	45.95	0.30	8	ACP	0.013	427983	0.01	106996	0.05
39	39	Kingston Ct.	50.50	28	27	2		32	170		340	5440	84	45.95	45.69	0.31	8	ACP	0.013	434391	0.01	108598	0.05
39	39	Kingston Ct.	50.70	27	31	0		100	170		0	17000	213	45.64	45.00	0.30	8	ACP	0.013	427991	0.04	106998	0.16
39	39	Jefferson Ct.	50.42	31	32	2		162	170		340	27540	53	44.92	44.83	0.17	12	ACP	0.013	948624	0.03	237156	0.12
39	39	Jefferson Ct.	50.70	32	33	0		162	170		0	27540	115	44.78	44.60	0.16	12	ACP	0.013	910748	0.03	227687	0.12
39	39	Huntingdon Dr.	49.10	33	35	0		162	170		0	27540	346	44.55	44.00	0.16	12	ACP	0.013	917813	0.03	229453	0.12
45	45	Buckingham Ct.	54.00	12	11	28		28	170		4760	4760	252	47.41	46.60	0.32	8	ACP	0.013	442666	0.01	110667	0.04
45	45	Buckingham Ct.	53.70	11	10	4		32	170		680	5440	158	46.55	46.07	0.30	8	ACP	0.013	430354	0.01	107589	0.05
45	45	Buckingham Ct.	54.14	10	9	12		44	170		2040	7480	248	46.02	45.23	0.32	8	ACP	0.013	440678	0.02	110170	0.07
45	45	Buckingham Ct.	55.45	9	8	4		48	170		680	8160	208	45.18	44.51	0.32	8	ACP	0.013	443139	0.02	110785	0.07
45	45	Buckingham Ct.	55.00	15	14	24		24	170		4080	4080	232	51.85	50.65	0.52	8	ACP	0.013	561540	0.01	140385	0.03
45	45	Buckingham Ct.	55.22	14	13	6		30	170		1020	5100	94	50.30	49.37	0.99	8	ACP	0.013	776625	0.01	194156	0.03
45	45	Buckingham Ct.	55.80	13	8	18		48	170		3060	8160	260	48.37	45.77	1.00	8	ACP	0.013	780790	0.01	195197	0.04
45	39	Huntingdon Dr.	51.15	8	35	2		98	170		340	16660	163	44.46	44.00	0.28	8	ACP	0.013	414781	0.04	103695	0.16
39	39	Huntingdon Dr.	52.45	35	36	4		264	170		680	44880	220	43.92	43.48	0.20	12	ACP	0.013	1029499	0.04	257375	0.17
39	39	Huntingdon Dr.	55.00	36	37	14		278	170		2380	47260	400	43.38	42.68	0.17	12	ACP	0.013	963008	0.05	240752	0.20
45	45	Huntingdon Dr.	58.70	27	26	10		10	170		1700	1700	340	53.53	50.13	1.00	8	ACP	0.013	780790	0.00	195197	0.01
45	45	Huntingdon Dr.	56.65	26	25	8		18	170		1360	3060	142	50.03	49.46	0.40	8	ACP	0.013	494683	0.01	123671	0.02
45	45	Huntingdon Dr.	57.45	25	24	12		30	170		2040	5100	205	49.36	48.54	0.40	8	ACP	0.013	493815	0.01	123454	0.04
45	45	Gramercy Ct.	57.35	30	29	12		12	170		2040	2040	107	50.63	50.20	0.40	8	ACP	0.013	494967	0.00	123742	0.02
45	45	Gramercy Ct.		29	28	26		38	170		4420	6460	198	50.10	49.30	0.40	8	ACP	0.013	496303	0.01	124076	0.05
45	45	Gramercy Ct.	55.25	28	24	0		38	170		0	6460	164	49.20	48.54	0.40	8	ACP	0.013	495318	0.01	123830	0.05
45	45	Gramercy Ct.	54.46	24	23	20		88	170		3400	14960	295	48.46	47.28	0.40	8	ACP	0.013	493815	0.03	123454	0.12
45	45	Offroad	56.00	23	22	8		96	170		1360	16320	300	47.18	46.00	0.39	8	ACP	0.013	489682	0.03	122421	0.13
45	45	Sterling Ct.	52.99	22	20	0		96	170		0	16320	65	45.90	45.63	0.42	8	ACP	0.013	503222	0.03	125805	0.13
45	45	Sterling Ct.	54.20	21	20	8		8	170		1360	1360	133	48.60	47.53	0.80	8	ACP	0.013	700326	0.00	175081	0.01
45	45	Sterling Ct.		20	18	0		104	170		0	17680	210	45.53	44.68	0.40	8	ACP	0.013	496745	0.04	124186	0.14
45	45	Sterling Ct.	55.89	19	18	10		10	170		1700	1700	158	51.32	44.68	4.20	8	ACP	0.013	1600625	0.00	400156	0.00
45	45	Sterling Ct.	53.94	18	17	0		114	170		0	19380	55	44.58	44.35	0.42	8	ACP	0.013	504913	0.04	126228	0.15
45	45	Sterling Ct.	55.56	16	17	10		10	170		1700	1700	126	49.40	46.25	2.50	6	ACP	0.013	573237	0.00	143309	0.01
45	39	Sterling Ct.	53.62	17	37	0		124	170		0	21080	335	44.25	42.91	0.40	8	ACP	0.013	493815	0.04	123454	0.17
39	39	Sterling Ct.	50.40	37	38	6		408	170		1020	69360	230	42.81	42.12	0.30	12	ACP	0.013	1260873	0.06	315218	0.22
39	39	Sterling Ct.	52.77	38	39	4		412	170		680	70040	68	42.12	41.97	0.22	12	ACP	0.013	1081190	0.06	270297	0.26
39	40	Sterling Ct.	52.40	39	35	0		412	170		0	70040	114	41.87	41.47	0.35	12	ACP	0.013	1363604	0.05	340901	0.21
40	40	Offroad	50.80	35	37	0		412	170		0	70040	110	41.37	41.22	0.14	12	ACP	0.013	850081	0.08	212520	0.33

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Edinburgh Ct.	52.20	36	37	10		10	170		1700	1700	140	47.67	43.40	3.05	8	PVC	0.010	1772668	0.00	443167	0.00
40	40	Edinburgh Ct.	50.00	37	38	12		434	170		2040	73780	295	41.18	40.90	0.09	12	ACP	0.013	709216	0.10	177304	0.42
40	40	Edinburgh Ct.	50.00	38	39	6		440	170		1020	74800	150	40.90	40.61	0.19	12	ACP	0.013	1012195	0.07	253049	0.30
39	39	Lake Point Dr.	48.70	40	41	6		6	170		1020	1020	135	45.04	44.80	0.18	10	ACP	0.013	596897	0.00	149224	0.01
39	39	Lake Point Dr.	51.50	42	41	12		12	170		2040	2040	428	47.10	44.96	0.50	8	ACP	0.013	552102	0.00	138025	0.01
39	39	Lake Point Dr.	47.75	41	43	10		28	170		1700	4760	325	44.80	44.21	0.18	10	ACP	0.013	603177	0.01	150794	0.03
39	39	Lake Point Dr.	49.30	43	44	12		40	170		2040	6800	223	44.21	43.81	0.18	10	ACP	0.013	599568	0.01	149892	0.05
39	39	Lake Point Dr.	49.40	44	45	12		52	170		2040	8840	164	43.81	43.51	0.18	10	ACP	0.013	605480	0.01	151370	0.06
39	39	Lake Point Dr.	47.50	45	46	2		54	170		340	9180	116	43.51	43.30	0.18	10	ACP	0.013	602340	0.02	150585	0.06
39	40	Lake Point Dr.	50.10	46	31	6		60	170		1020	10200	180	43.30	42.97	0.18	10	ACP	0.013	606152	0.02	151538	0.07
40	40	Lake Point Dr.	49.60	31	32	10		70	170		1700	11900	272	42.97	42.48	0.18	10	ACP	0.013	600861	0.02	150215	0.08
39	39	Huntingdon Dr.		47	48	18		18	170		3060	3060	299	47.16	46.26	0.30	8	ACP	0.013	428371	0.01	107093	0.03
39	39	Huntingdon Dr.		48	49	4		22	170		680	3740	136	46.26	45.85	0.30	8	ACP	0.013	428703	0.01	107176	0.03
39	39	Huntingdon Dr.	48.40	49	50	8		30	170		1360	5100	200	45.85	45.25	0.30	8	ACP	0.013	427656	0.01	106914	0.05
39	39	Huntingdon Dr.	48.50	50	51	12		42	170		2040	7140	270	45.25	44.44	0.30	8	ACP	0.013	427656	0.02	106914	0.07
39	39	Lake Point Dr.	48.80	51	52	2		44	170		340	7480	129	44.44	44.05	0.30	8	ACP	0.013	429311	0.02	107328	0.07
39	39	Lake Point Dr.	48.40	52	53	10		54	170		1700	9180	202	44.05	43.44	0.30	8	ACP	0.013	429065	0.02	107266	0.09
39	40	Lake Point Dr.	48.50	53	32	6		60	170		1020	10200	264	43.44	42.65	0.30	8	ACP	0.013	427116	0.02	106779	0.10
40	40	Lake Point Dr.	47.20	32	33	6		136	170		1020	23120	198	42.48	42.12	0.18	10	ACP	0.013	603642	0.04	150910	0.15
40	40	Lake Point Dr.	47.00	33	34	4		140	170		680	23800	121	42.12	41.90	0.18	10	ACP	0.013	603642	0.04	150910	0.16
40	40	Offroad	46.59	34	39	0		140	170		0	23800	262	41.90	41.44	0.18	10	ACP	0.013	593183	0.04	148296	0.16
40	40	Edinburgh Ct.	51.50	40	39	14		14	170		2380	2380	230	48.48	42.61	2.55	8	ACP	0.013	1247353	0.00	311838	0.01
40	40	Edinburgh Ct.	47.00	39	44	6		600	170		1020	102000	180	40.61	40.25	0.20	12	ACP	0.013	1029499	0.10	257375	0.40
40	40	Offroad	44.60	44	45	0		600	170		0	102000	328	40.25	39.87	0.12	12	ACP	0.013	783548	0.13	195887	0.52
40	40	Cambridge Ct.		49	48	18		18	170		3060	3060	134	47.87	46.53	1.00	8	PVC	0.010	1015027	0.00	253757	0.01
40	40	Cambridge Ct.	51.50	48	46	0		18	170		0	3060	129	46.43	43.77	2.06	8	PVC	0.010	1457550	0.00	364387	0.01
40	40	Cambridge Ct.	48.20	47	46	12		12	170		2040	2040	186	44.14	43.77	0.20	8	PVC	0.010	452712	0.00	113178	0.02
40	40	Cambridge Ct.	48.20	46	45	12		42	170		2040	7140	88	42.97	39.87	3.52	8	PVC	0.010	1905096	0.00	476274	0.01
40	40	Cambridge Ct.	41.87	45	50	0		42	170		0	7140	155	39.87	39.65	0.14	12	PVC	0.010	1127456	0.01	281864	0.03
40	40	Cambridge Ct.	50.10	53	51	8		8	170		1360	1360	139	45.90	45.27	0.45	8	PVC	0.010	683345	0.00	170836	0.01
40	40	Cambridge Ct.	49.10	52	51	18		18	170		3060	3060	149	46.30	45.27	0.69	8	PVC	0.010	843923	0.00	210981	0.01
40	40	Cambridge Ct.	48.70	51	50	12		38	170		2040	6460	113	45.27	41.65	3.20	8	PVC	0.010	1816739	0.00	454185	0.01
40	40	Offroad	45.70	50	57	0		80	170		0	13600	300	41.65	39.23	0.81	12	PVC	0.010	2687826	0.01	671957	0.02
40	40	Offroad	45.80	57	58	0		80	170		0	13600	290	39.23	38.83	0.14	12	ACP	0.013	854952	0.02	213738	0.06
40	40	Buckingham Dr.		60	59	8		8	170		1360	1360	190	44.35	41.97	1.25	8	PVC	0.010	1136028	0.00	284007	0.00
40	40	Buckingham Dr.	47.00	59	58	0		8	170		0	1360	230	41.97	38.83	1.37	8	PVC	0.010	1185983	0.00	296496	0.00
40	40	Buckingham Dr.	44.00	58	61	0		88	170		0	14960	160	38.83	38.65	0.11	12	ACP	0.013	772124	0.02	193031	0.08
40	40	Buckingham Dr.		61	62	0		88	170		0	14960	50	38.65	38.59	0.12	12	ACP	0.013	797446	0.02	199362	0.08
40	40	Buckingham Dr.	44.00	62	30	1		89	3000		3000	17960	238	38.59	37.86	0.31	12	ACP	0.013	1274922	0.01	318731	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	60.95	46	47	8		8	170		1360	1360	157	56.56	55.64	0.59	8	ACP	0.013	597693	0.00	149423	0.01
50	50	Chesire Ct.	60.20	47	48	2		10	170		340	1700	120	55.64	55.16	0.40	8	ACP	0.013	493815	0.00	123454	0.01
50	54	Chesire Ct.	59.58	48	1	8		18	170		1360	3060	230	55.16	54.24	0.40	8	ACP	0.013	493815	0.01	123454	0.02
50	54	Chesire Ct.	59.02	49	1	16		16	170		2720	2720	195	56.02	54.24	0.91	8	ACP	0.013	745979	0.00	186495	0.01
54	54	Chesire Ct.	59.32	1	2	2		36	170		340	6120	134	54.24	53.70	0.40	8	ACP	0.013	495654	0.01	123913	0.05
54	54	Offroad	57.80	2	3	10		46	170		1700	7820	210	53.70	52.65	0.50	8	ACP	0.013	552102	0.01	138025	0.06
54	54	Chatham Ct.	56.00	3	4	8		54	170		1360	9180	193	52.55	51.58	0.50	8	ACP	0.013	553530	0.02	138383	0.07
54	54	Chatham Ct.	54.75	4	5	10		64	170		1700	10880	124	51.48	50.86	0.50	8	ACP	0.013	552102	0.02	138025	0.08
54	55	Chatham Ct.	54.10	5	1	4		68	170		680	11560	202	50.76	49.75	0.50	8	ACP	0.013	552102	0.02	138025	0.08
55	55	Chatham Ct.	54.20	1	2	10		78	170		1700	13260	312	49.65	48.09	0.50	8	ACP	0.013	552102	0.02	138025	0.10
54	55	Chatham Ct.		6	2	16		16	170		2720	2720	294	48.46	47.65	0.28	12	ACP	0.013	1208313	0.00	302078	0.01
55	55	Chatham Ct.	52.45	2	3	6		100	170		1020	17000	238	47.55	47.17	0.16	12	ACP	0.013	919844	0.02	229961	0.07
55	55	Dorchester Dr.	53.50	6	5	12		12	170		2040	2040	339	50.47	49.11	0.40	8	ACP	0.013	494543	0.00	123636	0.02
55	55	Dorchester Dr.	52.60	5	4	0		12	170		0	2040	192	49.11	48.35	0.40	8	ACP	0.013	491236	0.00	122809	0.02
55	55	Dorchester Dr.	51.01	4	3	0		12	170		0	2040	277	48.35	47.52	0.30	8	ACP	0.013	427399	0.00	106850	0.02
55	51	Portsmouth Dr.		3	25	0		112	170		0	19040	170	47.17	46.90	0.16	12	ACP	0.013	917420	0.02	229355	0.08
50	50	Chatham Ct.	56.10	50	51	14		14	170		2380	2380	200	51.00	46.79	2.11	8	ACP	0.013	1132818	0.00	283204	0.01
50	50	Chatham Ct.	54.03	52	51	14		14	170		2380	2380	162	50.37	49.79	0.36	8	ACP	0.013	467187	0.01	116797	0.02
50	51	Chatham Ct.	55.00	51	27	8		36	170		1360	6120	134	49.69	49.40	0.22	8	ACP	0.013	363229	0.02	90807	0.07
51	51	Chatham Ct.	54.38	27	26	10		46	170		1700	7820	216	49.21	48.43	0.36	8	ACP	0.013	469196	0.02	117299	0.07
51	51	Portsmouth Dr.	53.35	26	25	12		58	170		2040	9860	324	48.38	47.20	0.36	8	ACP	0.013	471197	0.02	117799	0.08
51	51	Portsmouth Dr.		25	24	0		170	170		0	28900	210	46.87	46.55	0.15	12	ACP	0.013	898620	0.03	224655	0.13
51	51	Portsmouth Dr.	50.50	24	23	1		171	3000		3000	31900	256	46.51	46.01	0.20	12	ACP	0.013	1017363	0.03	254341	0.13
51	51	Chesterfield Ct.	48.76	23	22	12		183	170		2040	33940	375	46.01	45.41	0.16	12	ACP	0.013	920812	0.04	230203	0.15
51	51	Dorchester Dr.	47.52	22	21	12		195	170		2040	35980	272	45.41	44.97	0.16	12	ACP	0.013	925876	0.04	231469	0.16
51	51	Dorchester Dr.	47.76	21	20	8		203	170		1360	37340	235	44.87	44.59	0.12	12	ACP	0.013	794613	0.05	198653	0.19
51	51	Dorchester Dr.	48.35	20	19	2		205	170		340	37680	130	44.49	44.28	0.16	12	ACP	0.013	925228	0.04	231307	0.16
51	51	Dorchester Dr.	47.40	19	16	4		209	170		680	38360	165	44.18	44.02	0.10	12	ACP	0.013	716851	0.05	179213	0.21
51	51	Cantebury Ct.	49.32	18	17	16		16	170		2720	2720	127	45.18	44.80	0.30	8	ACP	0.013	427095	0.01	106774	0.03
51	51	Cantebury Ct.	48.03	17	16	6		22	170		1020	3740	160	44.73	44.25	0.30	8	ACP	0.013	427656	0.01	106914	0.03
51	51	Cantebury Ct.	47.22	16	4	0		231	170		0	42100	374	43.92	43.30	0.17	12	ACP	0.013	937283	0.04	234321	0.18
49	49	Sheffield Ct.	97.00	10	9	12		12	170		2040	2040	150	91.89	90.09	1.20	8	ACP	0.013	855312	0.00	213828	0.01
49	50	Sheffield Ct.	96.10	9	35	2		14	170		340	2380	116	89.99	88.60	1.20	8	ACP	0.013	854698	0.00	213674	0.01
50	50	Sheffield Ct.	95.23	35	34	10		24	170		1700	4080	127	85.49	83.96	1.20	8	ACP	0.013	856994	0.00	214249	0.02
50	50	Sheffield Ct.	90.80	34	33	10		34	170		1700	5780	240	81.96	80.76	0.50	8	ACP	0.013	552102	0.01	138025	0.04
50	50	Portsmith Dr.	87.00	33	32	12		46	170		2040	7820	208	80.66	77.75	1.40	8	ACP	0.013	923526	0.01	230881	0.03
50	50	Portsmith Dr.	84.40	32	31	6		52	170		1020	8840	270	77.65	70.90	2.50	8	ACP	0.013	1234537	0.01	308634	0.03
50	50	Thornbury Ct.	77.34	31	30	6		58	170		1020	9860	180	70.80	65.40	3.00	8	ACP	0.013	1352367	0.01	338092	0.03
50	50	Thornbury Ct.	71.79	30	26	8		66	170		1360	11220	241	65.40	61.78	1.50	8	ACP	0.013	956929	0.01	239232	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Thornbury Ct.	78.64	29	28	18		18	170		3060	3060	225	73.40	66.68	2.99	8	ACP	0.013	1349359	0.00	337340	0.01
50	50	Thornbury Ct.	73.00	28	27	10		28	170		1700	4760	180	66.58	64.08	1.39	8	ACP	0.013	920169	0.01	230042	0.02
50	50	Thornbury Ct.	68.83	27	26	6		34	170		1020	5780	165	63.98	59.78	2.55	8	ACP	0.013	1245709	0.00	311427	0.02
50	50	Thornbury Ct.	66.70	26	25	2		102	170		340	17340	110	59.78	59.30	0.44	8	ACP	0.013	515773	0.03	128943	0.13
50	50	Thornbury Ct.	64.45	25	23	0		102	170		0	17340	298	59.30	57.80	0.50	8	ACP	0.013	553951	0.03	138488	0.13
50	50	Portsmouth Dr.	63.70	24	23	20		20	170		3400	3400	105	58.50	57.80	0.67	8	ACP	0.013	637512	0.01	159378	0.02
50	50	Portsmouth Dr.	61.65	23	22	0		122	170		0	20740	75	57.80	57.42	0.51	8	ACP	0.013	555770	0.04	138943	0.15
49	49	Sheffield Ct.	103.60	8	7	14		14	170		2380	2380	274	96.61	92.18	1.62	8	ACP	0.013	992797	0.00	248199	0.01
49	49	Sheffield Ct.	96.75	7	6	8		22	170		1360	3740	216	92.08	88.84	1.50	8	ACP	0.013	956268	0.00	239067	0.02
49	50	Sheffield Ct.	94.10	6	1	2		24	170		340	4080	134	88.74	80.80	5.93	8	ACP	0.013	1900605	0.00	475151	0.01
50	50	Sheffield Ct.	89.80	1	2	10		34	170		1700	5780	125	80.63	79.13	1.20	8	ACP	0.013	855312	0.01	213828	0.03
49	50	Sheffield Ct.	87.90	5	2	26		26	170		4420	4420	270	83.45	79.70	1.39	8	ACP	0.013	920169	0.00	230042	0.02
50	50	Sheffield Ct.	86.00	2	3	6		66	170		1020	11220	195	78.96	77.01	1.00	8	ACP	0.013	780790	0.01	195197	0.06
50	50	Sheffield Ct.	82.70	3	4	12		78	170		2040	13260	241	76.91	75.46	0.60	8	ACP	0.013	605633	0.02	151408	0.09
50	50	Dartmoor Ct.	79.80	4	5	6		84	170		1020	14280	186	75.46	74.34	0.60	8	ACP	0.013	605880	0.02	151470	0.09
50	50	Dartmoor Ct.	78.20	5	6	10		94	170		1700	15980	110	74.24	73.69	0.50	8	ACP	0.013	552102	0.03	138025	0.12
50	50	Dartmoor Ct.	79.00	6	7	8		102	170		1360	17340	210	73.59	70.44	1.50	8	ACP	0.013	956268	0.02	239067	0.07
50	50	Dartmoor Ct.	76.40	7	8	12		114	170		2040	19380	156	70.34	68.00	1.50	8	ACP	0.013	956268	0.02	239067	0.08
50	50	Dartmoor Ct.	87.70	11	10	16		16	170		2720	2720	418	84.06	75.28	2.10	6	ACP	0.013	525440	0.01	131360	0.02
50	50	Dartmoor Ct.	78.80	10	9	8		24	170		1360	4080	200	75.28	68.97	3.15	6	ACP	0.013	643324	0.01	160831	0.03
50	50	Dartmoor Ct.	74.60	9	8	2		26	170		340	4420	162	68.97	68.00	0.60	8	ACP	0.013	604175	0.01	151044	0.03
50	50	Thornbury Ct.	74.00	8	12	10		150	170		1700	25500	203	67.77	64.72	1.50	8	ACP	0.013	957053	0.03	239263	0.11
50	50	Thornbury Ct.	69.40	13	12	10		10	170		1700	1700	145	64.97	64.24	0.50	8	ACP	0.013	554002	0.00	138501	0.01
50	50	Thornbury Ct.	69.45	12	14	10		170	170		1700	28900	225	63.72	61.47	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	66.13	14	15	0		170	170		0	28900	38	61.38	61.00	1.00	8	ACP	0.013	780790	0.04	195197	0.15
50	50	Thornbury Ct.	65.00	15	16	0		170	170		0	28900	152	60.84	60.23	0.40	8	ACP	0.013	494626	0.06	123657	0.23
50	50	Thornbury Ct.	67.50	18	17	20		20	170		3400	3400	224	63.02	61.40	0.72	8	ACP	0.013	663999	0.01	166000	0.02
50	50	Thornbury Ct.	64.75	17	16	6		26	170		1020	4420	235	61.40	60.23	0.50	8	ACP	0.013	550926	0.01	137731	0.03
50	50	Thornbury Ct.	64.67	16	19	10		206	170		1700	35020	235	60.23	59.15	0.46	8	ACP	0.013	529312	0.07	132328	0.26
50	50	Thornbury Ct.	64.55	19	20	8		214	170		1360	36380	394	58.97	57.20	0.45	8	ACP	0.013	523326	0.07	130832	0.28
50	50	Thornbury Ct.	65.60	21	20	18		18	170		3060	3060	382	61.02	57.20	1.00	8	ACP	0.013	780790	0.00	195197	0.02
50	50	Thornbury Ct.	62.45	20	22	0		232	170		0	39440	100	57.00	56.50	0.50	8	ACP	0.013	552102	0.07	138025	0.29
50	50	Portsmouth Dr.	60.70	22	36	0		354	170		0	60180	223	56.50	55.18	0.59	8	ACP	0.013	600715	0.10	150179	0.40
50	50	Portsmouth Dr.	60.95	37	36	14		14	170		2380	2380	110	56.28	55.18	1.00	8	ACP	0.013	780790	0.00	195197	0.01
50	50	Portsmouth Dr.	59.28	36	38	4		372	170		680	63240	146	54.98	54.40	0.40	8	ACP	0.013	492121	0.13	123030	0.51
50	50	Portsmouth Dr.	58.60	38	39	0		372	170		0	63240	210	54.40	53.56	0.40	8	ACP	0.013	493815	0.13	123454	0.51

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
50	50	Chesire Ct.	59.15	40	39	12		12	170		2040	2040	144	54.28	53.56	0.50	8	ACP	0.013	552102	0.00	138025	0.01
50	50	Portsmouth Dr.	57.52	39	41	0		384	170		0	65280	122	53.56	53.07	0.40	8	ACP	0.013	494826	0.13	123706	0.53
50	50	Portsmouth Dr.	56.88	41	42	10		394	170		1700	66980	128	53.07	51.79	1.00	8	ACP	0.013	780790	0.09	195197	0.34
50	50	Picardy Ct.	55.75	42	43	20		414	170		3400	70380	172	50.79	50.10	0.40	8	ACP	0.013	494532	0.14	123633	0.57
50	50	Picardy Ct.	54.42	43	44	14		428	170		2380	72760	312	50.00	48.76	0.40	8	ACP	0.013	492229	0.15	123057	0.59
50	50	Picardy Ct.	53.75	44	45	6		434	170		1020	73780	336	48.71	47.97	0.22	10	ACP	0.013	664365	0.11	166091	0.44
50	51	Picardy Ct.	53.00	45	15	6		440	170		1020	74800	213	47.97	47.51	0.22	10	ACP	0.013	657885	0.11	164471	0.45
51	51	Chesterfield Ct.	53.00	15	14	2		442	170		340	75140	145	47.51	47.18	0.23	10	ACP	0.013	675358	0.11	168839	0.45
51	51	Chesterfield Ct.	52.20	14	13	12		454	170		2040	77180	217	47.18	46.71	0.22	10	ACP	0.013	658840	0.12	164710	0.47
51	51	Chesterfield Ct.	50.10	13	12	4		458	170		680	77860	226	46.71	46.26	0.20	10	ACP	0.013	631703	0.12	157926	0.49
51	51	Chesterfield Ct.	50.66	12	11	28		486	170		4760	82620	141	46.26	45.95	0.22	10	ACP	0.013	663792	0.12	165948	0.50
51	51	Offroad		11	10	6		492	170		1020	83640	200	45.95	45.51	0.22	10	ACP	0.013	664006	0.13	166002	0.50
51	51	Coventry Ct.	49.60	10	9	8		500	170		1360	85000	220	45.51	45.03	0.22	10	ACP	0.013	661257	0.13	165314	0.51
51	51	Coventry Ct.	50.74	9	8	6		506	170		1020	86020	255	45.03	44.47	0.22	10	ACP	0.013	663414	0.13	165854	0.52
51	51	Coventry Ct.	50.42	8	7	12		518	170		2040	88060	108	44.47	44.23	0.22	10	ACP	0.013	667351	0.13	166838	0.53
51	51	Coventry Ct.	48.96	7	5	10		528	170		1700	89760	183	44.23	43.83	0.22	10	ACP	0.013	661859	0.14	165465	0.54
51	51	Coventry Ct.	48.20	6	5	10		10	170		1700	1700	73	44.52	44.00	0.71	8	ACP	0.013	658983	0.00	164746	0.01
51	51	Coventry Ct.	47.92	5	4	8		546	170		1360	92820	120	43.83	43.57	0.22	10	ACP	0.013	658957	0.14	164739	0.56
51	51	Dorchester Dr.	47.21	4	3	4		781	170		680	135600	242	43.30	43.06	0.10	12	ACP	0.013	724951	0.19	181238	0.75
51	51	Dorchester Dr.	46.60	3	2	4		785	170		680	136280	129	43.06	42.88	0.14	12	ACP	0.013	859908	0.16	214977	0.63
51	46	Dorchester Dr.	47.85	2	70	8		793	170		1360	137640	250	42.78	42.47	0.12	12	ACP	0.013	810628	0.17	202657	0.68
51	46	Dorchester Dr.	50.87	1	72	26		26	170		4420	4420	288	47.32	45.88	0.50	8	ACP	0.013	552102	0.01	138025	0.03
46	46	Pine Acres	NEW	NEW	73	395		395	1000		395000	395000											
46	46	Dorchester Dr.	52.00	73	72	22		417	170		3740	398740	234	47.72	45.85	0.80	8	ACP	0.013	697986	0.57	174497	2.29
46	46	Dorchester Dr.		72	71	16		459	170		2720	405880	195	44.58	43.80	0.40	8	ACP	0.013	493815	0.82	123454	3.29
46	46	Dorchester Dr.	49.10	71	70	0		459	170		0	405880	235	43.75	42.80	0.40	8	ACP	0.013	496434	0.82	124109	3.27
46	46	Dorchester Dr.	47.50	70	69	8		1260	170		1360	544880	254	42.47	42.11	0.14	12	ACP	0.013	866653	0.63	216663	2.51
46	46	Dorchester Dr.	50.70	69	67	4		1264	170		680	545560	200	42.11	41.83	0.14	12	ACP	0.013	861340	0.63	215335	2.53
46	46	Dorchester Dr.	47.80	68	67	16		16	170		2720	2720	306	44.00	42.16	0.60	8	ACP	0.013	605456	0.00	151364	0.02
46	46	Dorchester Dr.	47.40	67	66	4		1284	170		680	548960	71	41.83	41.73	0.14	12	ACP	0.013	863936	0.64	215984	2.54
46	46	Dorchester Dr.	46.90	66	63	0		1284	170		0	548960	145	41.73	41.53	0.14	12	ACP	0.013	854952	0.64	213738	2.57
51	46	Cantebury Ct.	48.66	28	65	26	2	26	170	1000	6420	6420	400	44.73	43.53	0.30	8	ACP	0.013	427656	0.02	106914	0.06
46	46	Cantebury Ct.	46.63	65	64	4		30	170		680	7100	270	43.53	42.72	0.30	8	ACP	0.013	427656	0.02	106914	0.07
46	46	Offroad	47.20	64	63	0		30	170		0	7100	447	42.72	41.78	0.21	8	CIP	0.013	358050	0.02	89513	0.08
46	46	Offroad	46.05	63	52	0		1314	170		0	556060	157	41.53	41.31	0.14	12	ACP	0.013	861732	0.65	215433	2.58
46	46	Dorchester Dr.		62	61	12		12	170		2040	2040	171	52.20	51.51	0.40	8	PVC	0.010	644769	0.00	161192	0.01
46	46	Dorchester Dr.		61	60	6		18	170		1020	3060	145	51.51	50.93	0.40	8	PVC	0.010	641959	0.00	160490	0.02
46	46	Dorchester Dr.		60	59	8		26	170		1360	4420	115	50.93	50.47	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		59	58	6		32	170		1020	5440	145	50.47	49.89	0.40	8	PVC	0.010	641959	0.01	160490	0.03
46	46	Dorchester Dr.		58	57	12		44	170		2040	7480	355	49.89	48.47	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Dorchester Dr.	51.90	57	53	8		52	170		1360	8840	220	48.14	47.48	0.30	8	PVC	0.010	555953	0.02	138988	0.06

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Dorchester Dr.	56.10	56	55	16		16	170		2720	2720	96	51.69	51.57	0.12	8	PVC	0.010	358866	0.01	89717	0.03
46	46	Dorchester Dr.	56.10	55	54	0		16	170		0	2720	155	51.40	50.11	0.83	8	PVC	0.010	925990	0.00	231498	0.01
46	46	Dorchester Dr.	54.40	54	53	10		26	170		1700	4420	140	50.11	47.98	1.52	8	PVC	0.010	1251997	0.00	312999	0.01
46	46	Dorchester Dr.	50.80	53	52	4		82	170		680	13940	125	47.48	47.11	0.30	8	PVC	0.010	552234	0.03	138059	0.10
46	46	Dorchester Dr.	51.00	52	50	6	2	1402	170	1000	3020	573020	349	46.77	43.80	0.85	12	ACP	0.013	2123617	0.27	530904	1.08
46	46	Dorchester Dr.	53.10	51	50	10		10	170		1700	1700	249	47.77	43.80	1.59	8	PVC	0.010	1281661	0.00	320415	0.01
46	46	Dorchester Dr.	?	50	48	0		1412	170		0	574720	140	40.80	40.57	0.16	12	ACP	0.013	933062	0.62	233266	2.46
46	46	Dorchester Dr.		49	48	12		12	170		2040	2040	300	42.29	41.08	0.40	8	PVC	0.010	644628	0.00	161157	0.01
46	46	Dorchester Dr.		48	47	12		1436	170		2040	578800	235	40.57	40.25	0.14	12	ACP	0.013	849477	0.68	212369	2.73
46	46	Dorchester Dr.		47	29	12		1448	170		2040	580840	230	40.25	39.92	0.14	12	ACP	0.013	871975	0.67	217994	2.66
45	45	Farrington Ct	54.85	33	34	28		28	170		4760	4760	170	49.75	48.90	0.50	8	PVC	0.010	717732	0.01	179433	0.03
46	45	Farrington Ct	54.85	46	34	14		14	170		2380	2380	100	49.88	48.90	0.98	8	PVC	0.010	1004825	0.00	251206	0.01
45	46	Farrington Ct	53.10	34	45	0		42	170		0	7140	143	48.80	48.23	0.40	8	PVC	0.010	640836	0.01	160209	0.04
46	46	Farrington Ct	53.92	45	44	8		50	170		1360	8500	120	48.13	47.65	0.40	8	PVC	0.010	641959	0.01	160490	0.05
46	46	Farrington Ct	54.70	44	43	12		62	170		2040	10540	133	47.55	47.02	0.40	8	PVC	0.010	640751	0.02	160188	0.07
46	46	Farrington Ct	53.64	43	42	6		68	170		1020	11560	264	46.92	45.82	0.42	8	ACP	0.013	503998	0.02	125999	0.09
45	45	Farrington Ct	54.35	31	32	10		10	170		1700	1700	210	47.82	46.80	0.49	8	ACP	0.013	544157	0.00	136039	0.01
45	46	Farrington Ct	46.90	32	42	8		18	170		1360	3060	245	46.80	45.82	0.40	8	ACP	0.013	493815	0.01	123454	0.02
46	46	Farrington Ct	50.20	42	41	4		90	170		680	15300	94	45.77	45.48	0.31	8	ACP	0.013	433680	0.04	108420	0.14
46	46	Farrington Ct	50.86	41	40	0		90	170		0	15300	150	45.48	45.03	0.30	8	ACP	0.013	427656	0.04	106914	0.14
46	46	Offroad		40	38	0		90	170		0	15300	70	44.98	44.75	0.33	8	ACP	0.013	447558	0.03	111889	0.14
46	46	Dorchester Dr.		39	38	12		12	170		2040	2040	148	48.32	45.75	1.74	8	PVC	0.010	1337560	0.00	334390	0.01
46	46	Dorchester Dr.		38	37	0		102	170		0	17340	165	44.75	44.25	0.30	8	PVC	0.010	558754	0.03	139688	0.12
46	46	Dorchester Dr.		37	36	12		114	170		2040	19380	258	44.25	43.48	0.30	8	PVC	0.010	554515	0.03	138629	0.14
46	46	Dorchester Dr.		36	34	6		120	170		1020	20400	169	43.48	42.97	0.30	8	PVC	0.010	557595	0.04	139399	0.15
46	46	Dorchester Dr.		35	34	10		10	170		1700	1700	176	50.33	43.97	3.61	8	PVC	0.010	1929522	0.00	482380	0.00
46	46	Dorchester Dr.		34	33	0		130	170		0	22100	125	42.97	42.59	0.30	8	PVC	0.010	559647	0.04	139912	0.16
46	46	Dorchester Dr.	49.50	33	31	10		140	170		1700	23800	181	42.59	42.00	0.33	8	PVC	0.010	579514	0.04	144879	0.16
46	46	Dorchester Dr.	50.50	32	31	10		10	170		1700	1700	213	47.50	43.05	2.09	8	PVC	0.010	1467127	0.00	366782	0.00
46	46	Dorchester Dr.	47.80	31	30	0		150	170		0	25500	172	42.00	40.53	0.85	8	PVC	0.010	938365	0.03	234591	0.11
46	46	Buckingham Dr.	44.50	30	29	0		150	170		0	25500	100	40.53	40.38	0.15	8	PVC	0.010	393118	0.06	98280	0.26
46	46	Buckingham Dr.		29	28	0		1598	170		0	606340	38	39.92	39.87	0.14	12	ACP	0.013	851571	0.71	212893	2.85
46	46	Buckingham Dr.		28	27	0		1598	170		0	606340	51	39.87	39.80	0.14	12	ACP	0.013	852854	0.71	213214	2.84

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
46	46	Eidenburgh Ct.	54.40	1	2	8		8	170		1360	1360	180	50.26	49.63	0.35	8	PVC	0.010	600498	0.00	150124	0.01
46	46	Eidenburgh Ct.	53.84	2	3	8		16	170		1360	2720	172	49.53	48.81	0.42	8	PVC	0.010	656719	0.00	164180	0.02
46	46	Eidenburgh Ct.	53.55	3	4	8		24	170		1360	4080	160	48.71	48.05	0.41	8	PVC	0.010	651913	0.01	162978	0.03
46	46	Eidenburgh Ct.		4	5	4		28	170		680	4760	115	47.98	47.50	0.42	8	PVC	0.010	655766	0.01	163942	0.03
46	46	Eidenburgh Ct.	50.50	5	6	14		42	170		2380	7140	302	47.11	45.87	0.41	8	PVC	0.010	650406	0.01	162602	0.04
46	46	Eidenburgh Ct.	52.18	6	7	4		46	170		680	7820	96	45.77	45.37	0.42	8	PVC	0.010	655197	0.01	163799	0.05
46	46	Eidenburgh Ct.		7	8	12		58	170		2040	9860	150	45.17	44.86	0.21	8	PVC	0.010	461437	0.02	115359	0.09
46	46	Eidenburgh Ct.		8	9	0		58	170		0	9860	42	44.69	44.56	0.31	8	PVC	0.010	564709	0.02	141177	0.07
46	46	Eidenburgh Ct.		9	10	18		76	170		3060	12920	157	44.56	44.06	0.32	8	PVC	0.010	572813	0.02	143203	0.09
46	46	Offroad	49.25	10	11	6		82	170		1020	13940	147	44.06	43.59	0.32	8	PVC	0.010	573942	0.02	143485	0.10
40	40	Eidenburgh Ct.		41	42	36		36	170		6120	6120	300	49.80	48.59	0.40	8	PVC	0.010	644628	0.01	161157	0.04
40	46	Eidenburgh Ct.	52.10	42	15	12		48	170		2040	8160	180	48.42	47.20	0.68	8	PVC	0.010	835644	0.01	208911	0.04
40	46	Cambridge Ct.	50.50	43	15	16		16	170		2720	2720	130	47.89	47.20	0.53	8	PVC	0.010	739487	0.00	184872	0.01
46	46	Eidenburgh Ct.	51.00	15	14	0		64	170		0	10880	49	47.20	46.59	1.24	8	PVC	0.010	1132516	0.01	283129	0.04
46	46	Eidenburgh Ct.	50.60	14	13	6		70	170		1020	11900	144	46.59	44.48	1.47	8	PVC	0.010	1228676	0.01	307169	0.04
46	46	Eidenburgh Ct.		13	12	6		76	170		1020	12920	110	44.48	44.13	0.32	8	PVC	0.010	572552	0.02	143138	0.09
46	46	Eidenburgh Ct.		12	11	4		80	170		680	13600	168	44.13	43.59	0.32	8	PVC	0.010	575466	0.02	143866	0.09
46	46	Eidenburgh Ct.		11	17	6		168	170		1020	28560	130	43.59	43.18	0.32	8	PVC	0.010	570030	0.05	142507	0.20
46	46	Eidenburgh Ct.		17	18	6		174	170		1020	29580	244	43.18	42.39	0.32	8	PVC	0.010	577559	0.05	144390	0.20
46	46	Eidenburgh Ct.		18	19	12		186	170		2040	31620	150	42.39	41.91	0.32	8	PVC	0.010	574186	0.06	143546	0.22
46	46	Eidenburgh Ct.		19	20	6		192	170		1020	32640	150	41.91	41.43	0.32	8	PVC	0.010	574186	0.06	143546	0.23
46	46	Eidenburgh Ct.		20	21	6		198	170		1020	33660	53	41.43	41.26	0.32	8	PVC	0.010	574862	0.06	143716	0.23
40	40	Cambridge Ct.	54.60	54	56	12		12	170		2040	2040	141	50.78	48.52	1.60	8	PVC	0.010	1285056	0.00	321264	0.01
40	40	Cambridge Ct.	50.60	55	56	12		12	170		2040	2040	145	48.01	46.62	0.96	8	PVC	0.010	993804	0.00	248451	0.01
40	46	Cambridge Ct.	51.30	56	21	0		24	170		0	4080	213	46.52	43.26	1.53	8	PVC	0.010	1255730	0.00	313933	0.01
46	46	Cambridge Ct.	48.20	21	22	0		222	170		0	37740	82	41.26	41.00	0.32	8	PVC	0.010	571554	0.07	142888	0.26
46	46	Cambridge Ct.	48.40	22	23	10		232	170		1700	39440	150	41.00	40.52	0.32	8	PVC	0.010	574186	0.07	143546	0.27
46	46	Cambridge Ct.		24	23	10		10	170		1700	1700	139	45.16	42.52	1.90	8	PVC	0.010	1398853	0.00	349713	0.00
46	46	Cambridge Ct.		23	27	0		242	170		0	41140	122	40.52	40.13	0.32	8	PVC	0.010	573892	0.07	143473	0.29
46	46	Buckingham Dr.		27	26	1	1	1841	300	1000	1300	648780	270	39.80	39.40	0.15	12	ACP	0.013	886051	0.73	221513	2.93
46	40	Buckingham Dr.		26	70	0		1841	170		0	648780	290	39.40	38.99	0.14	12	ACP	0.013	865573	0.75	216393	3.00
46	40	Buckingham Dr.		25	71	12		12	170		2040	2040	198	41.97	41.17	0.40	8	PVC	0.010	645193	0.00	161298	0.01
40	40	Buckingham Dr.		71	70	4		16	170		680	2720	45	41.17	40.99	0.40	8	PVC	0.010	641959	0.00	160490	0.02
40	40	Buckingham Dr.		66	67	8		8	170		1360	1360	163	46.32	45.67	0.40	8	PVC	0.010	640974	0.00	160243	0.01
40	40	Buckingham Dr.		67	68	4		12	170		680	2040	180	45.67	44.95	0.40	8	PVC	0.010	641959	0.00	160490	0.01
40	40	Buckingham Dr.	49.59	69	68	8		8	170		1360	1360	155	45.37	44.95	0.27	8	PVC	0.010	528368	0.00	132092	0.01
40	40	Buckingham Dr.	49.00	68	70	4		24	170		680	4080	142	44.95	40.99	2.79	8	PVC	0.010	1695044	0.00	423761	0.01
40	40	Buckingham Dr.	45.73	70	64	0	4	1881	170	1000	4000	659580	378	38.99	38.47	0.14	12	ACP	0.013	853820	0.77	213455	3.09
40	40	Buckingham Dr.	42.23	64	30	0		1881	170		0	659580	195	38.47	38.19	0.14	12	ACP	0.013	872313	0.76	218078	3.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
40	40	Buckingham Dr.		65	63	8		8	170		1360	1360	234	39.89	38.95	0.40	8	ACP	0.013	494869	0.00	123717	0.01
40	40	Buckingham Dr.		63	30	2		10	170		340	1700	105	38.95	38.53	0.40	8	ACP	0.013	493815	0.00	123454	0.01
40	40	Buckingham Dr.	41.70	30	29	2		1982	170		340	679580	255	37.86	37.49	0.15	16	ACP	0.013	1888476	0.36	472119	1.44
40	40	Buckingham Dr.	40.32	29	28	0		1982	170		0	679580	400	37.49	36.77	0.18	16	ACP	0.013	2103376	0.32	525844	1.29
40	40	Buckingham Dr.	39.72	28	22	0		1982	170		0	679580	310	36.77	36.15	0.20	16	ACP	0.013	2217153	0.31	554288	1.23
40	40	Buckingham Dr.	41.95	22	23	1		2239	3000		3000	733000	230	36.15	35.63	0.23	16	ACP	0.013	2357320	0.31	589330	1.24
40	40	Buckingham Dr.	40.00	23	24	0		2239	170		0	733000	19	35.46	35.40	0.32	18	DIP	0.013	3814049	0.19	953512	0.77
40	40	Buckingham Dr.	38.56	24	25	0		2239	170		0	733000	162.5	28.24	23.74	2.77	18	DIP	0.013	11294501	0.06	2823625	0.26
38	38	Chestnut St.	68.24	3	2	3		3	2000		6000	6000	300	59.35	57.92	0.48	8	PVC	0.010	700785	0.01	175196	0.03
38	38	Chestnut St.	64.20	2	1	1		4	2000		2000	8000	32	57.92	55.83	6.53	8	PVC	0.010	2594034	0.00	648508	0.01
38	38	Chestnut St.	NEW	NEW	1	896		896	Varies		837737	837737											
38	38	Chestnut St.	64.11	1	4	71	60	971	525	1000	97275	943012	266	52.06	51.39	0.25	12	PVC	0.010	1501933	0.63	375483	2.51
38	38	Chestnut St.	62.94	4	5	3	11	974	2000	1000	17000	960012	266	51.33	50.59	0.28	12	PVC	0.010	1578444	0.61	394611	2.43
38	38	Chestnut St.	61.94	5	6	3		977	2000		6000	966012	312	50.58	49.01	0.50	12	PVC	0.010	2122886	0.46	530721	1.82
38	38	Chestnut St.	60.92	7	6	1		1	2000		2000	2000	69	51.48	50.03	2.10	8	PVC	0.010	1471421	0.00	367855	0.01
38	38	Chestnut St.	61.26	6	8	1		979	2000		2000	970012	275	47.64	46.63	0.37	12	PVC	0.010	1813629	0.53	453407	2.14
38	38	Chestnut St.	60.17	8	9	1		980	2000		2000	972012	215	46.58	45.75	0.39	12	DIP	0.013	1430311	0.68	357578	2.72
32	32	Lisa Robyn Circle	57.66	2	1	4		4	300		1200	1200	230	50.72	49.43	0.56	8	PVC	0.010	760166	0.00	190041	0.01
32	32	Lisa Robyn Circle	55.91	1	3	8	12	12	300	1000	14400	15600	301	49.35	47.90	0.48	8	PVC	0.010	704495	0.02	176124	0.09
32	32	Lisa Robyn Circle	60.31	3	4	0		12	300		0	15600	162	47.86	46.97	0.55	8	PVC	0.010	752341	0.02	188085	0.08
32	38	Lisa Robyn Circle	59.32	4	9	8		20	300		2400	18000	215	46.87	45.90	0.45	8	PVC	0.010	681780	0.03	170445	0.11
38	32	Lisa Robyn Circle	61.10	9	5	4		1004	300		1200	991212	116	45.69	45.35	0.29	12	PVC	0.010	1620185	0.61	405046	2.45
32	32	Lisa Robyn Circle	61.71	5	6	8		1012	300		2400	993612	203	45.32	44.61	0.35	12	PVC	0.010	1769845	0.56	442461	2.25
32	32	Lisa Robyn Circle	60.14	8	7	8		8	300		2400	2400	148	53.76	52.87	0.60	8	PVC	0.010	787121	0.00	196780	0.01
32	33	Lisa Robyn Circle	60.32	7	57	0		8	300		0	2400	54	52.83	52.45	0.70	12	PVC	0.010	2510435	0.00	627609	0.00
33	32	Lisa Robyn Circle	60.56	57	6	0	1	8	300	3000	3000	5400	175	52.41	51.05	0.78	8	PVC	0.010	894804	0.01	223701	0.02
32	39	Lisa Robyn Circle	59.95	6	1	0		1020	300		0	999012	163	44.58	43.76	0.50	12	PVC	0.010	2122596	0.47	530649	1.88
39	39	New Hampshire Ave.	60.06	1	2	2		1022	2000		4000	1003012	123	43.61	43.24	0.30	18	PVC	0.010	4839262	0.21	1209815	0.83
39	39	New Hampshire Ave.	59.74	2	3	0		1022	2000		0	1003012	265	43.24	42.19	0.40	18	PVC	0.010	5553957	0.18	1388489	0.72
39	39	New Hampshire Ave.	?	3	4	0		1022	2000		0	1003012	200	42.14	41.35	0.40	18	PVC	0.010	5545355	0.18	1386339	0.72
37	37	HICKORY COURT	94.63	1	2	22	4	22	225	3000	16950	16950	200	86.86	85.77	0.55	8	PVC	0.010	749334	0.02	187334	0.09
37	37	DEER PATH	93.78	2	3	0		22	225		0	16950	95	85.61	85.06	0.58	8	PVC	0.010	772319	0.02	193080	0.09
37	37	DEER PATH	91.99	3	4	12		34	225		2700	19650	224	84.96	83.64	0.59	8	PVC	0.010	779185	0.03	194796	0.10
37	37	DEER PATH	90.04	5	4	20		20	225		4500	4500	120	84.39	83.63	0.63	8	PVC	0.010	807781	0.01	201945	0.02
37	37	HEMLOCK COURT	91.87	4	6	20		74	225		4500	28650	222	83.54	73.90	4.34	8	PVC	0.010	2115142	0.01	528785	0.05
37	37	DEER PATH	83.25	6	18	0		74	2000		0	28650	36	73.86	73.47	1.08	10	PVC	0.010	1915513	0.01	478878	0.06
37	37	Route 70	80.20	27	26	0	8	0	2000	1000	8000	8000	172	74.89	74.38	0.30	8	PVC	0.010	552711	0.01	138178	0.06
37	37	Route 70	81.57	26	25	0		0	2000		0	8000	39	74.38	74.29	0.23	8	PVC	0.010	487603	0.02	121901	0.07
37	37	Route 70	81.69	25	24	0	2	0	2000	3000	6000	14000	39	74.14	73.89	0.64	8	PVC	0.010	812672	0.02	203168	0.07
37	37	Route 70	81.18	24	23	1	2	1	2000	3000	8000	22000	319	73.84	72.70	0.36	8	PVC	0.010	606785	0.04	151696	0.15
37	37	Route 70	82.44	23	22	0		1	2000		0	22000	25	72.64	72.48	0.64	8	PVC	0.010	812021	0.03	203005	0.11
37	37	Route 70	82.66	22	21	0		1	2000		0	22000	28	72.37	72.32	0.18	8	PVC	0.010	428927	0.05	107232	0.21

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
37	37	Route 70	86.25	19	20	0		0	2000		0	0	95	74.22	73.84	0.40	8	PVC	0.010	641959	0.00	160490	0.00
37	37	Route 70	84.78	20	21	0	3	0	2000	3000	9000	9000	370	73.81	72.33	0.40	8	PVC	0.010	641959	0.01	160490	0.06
37	37	Route 70	83.48	21	18	0		1	2000		0	31000	122	72.20	71.70	0.41	8	PVC	0.010	649804	0.05	162451	0.19
37	37	Route 70	83.15	18	17	0		74	2000		0	59650	244	71.59	70.87	0.30	10	PVC	0.010	999713	0.06	249928	0.24
37	37	Route 70	85.27	17	8	0		74	2000		0	59650	194	70.67	70.05	0.32	10	PVC	0.010	1040397	0.06	260099	0.23
37	37	Route 70	80.75	8	9	1		75	2000		2000	61650	69	70.00	69.98	0.03	12	PVC	0.010	509500	0.12	127375	0.48
43	43	SALVATORE COURT	92.86	13	10	4		4	300		1200	1200	270	86.30	85.24	0.39	8	PVC	0.010	635987	0.00	158997	0.01
43	43	SALVATORE DRIVE	97.61	12	11	4		4	300		1200	1200	95	91.69	88.77	3.07	8	PVC	0.010	1779537	0.00	444884	0.00
43	43	SALVATORE DRIVE	95.65	11	10	1		5	300		300	1500	119	88.70	85.44	2.74	8	PVC	0.010	1680013	0.00	420003	0.00
43	43	SALVATORE DRIVE	95.04	10	9	4	1	13	300	1000	2200	4900	351	84.75	83.01	0.50	8	PVC	0.010	714658	0.01	178665	0.03
43	43	SALVATORE DRIVE	91.92	9	8	3		16	300		900	5800	267	82.67	81.61	0.40	8	PVC	0.010	639550	0.01	159888	0.04
43	43	SALVATORE DRIVE	90.87	8	6	0		16	300		0	5800	58	81.34	81.02	0.55	8	PVC	0.010	753943	0.01	188486	0.03
43	43	VERMONT AVENUE	86.40	7	6	0	11	0	300	1000	11000	11000	251	81.90	80.93	0.39	8	PVC	0.010	630996	0.02	157749	0.07
43	43	VERMONT AVENUE	92.31	6	5	0		16	300		0	16800	295	80.71	77.84	0.97	8	PVC	0.010	1001169	0.02	250292	0.07
43	43	VERMONT AVENUE	90.20	5	4	0		16	300		0	16800	296	77.77	77.55	0.07	8	PVC	0.010	276722	0.06	69180	0.24
43	37	VERMONT AVENUE	89.66	4	13	0		16	300		0	16800	312	77.41	76.00	0.45	8	PVC	0.010	682354	0.02	170588	0.10
43	43	SYMPHONY DRIVE	92.70	15	16	6	2	6	225	1000	3350	3350	220	83.44	81.49	0.89	8	PVC	0.010	955616	0.00	238904	0.01
43	43	SYMPHONY DRIVE	90.82	16	17	14	2	20	225	1000	5150	8500	196	81.37	79.60	0.90	8	PVC	0.010	964575	0.01	241144	0.04
43	43	SYMPHONY DRIVE	88.20	17	28	0		20	225		0	8500	45	79.39	79.15	0.53	8	PVC	0.010	741271	0.01	185318	0.05
43	43	SYMPHONY DRIVE	87.45	28	18	0		20	225		0	8500	84	78.99	78.54	0.54	8	PVC	0.010	742923	0.01	185731	0.05
43	43	SYMPHONY DRIVE	91.95	14	21	12	4	12	225	1000	6700	6700	217	82.60	80.37	1.03	8	PVC	0.010	1028964	0.01	257241	0.03
43	43	SYMPHONY DRIVE	89.35	21	20	18	2	30	225	1000	6050	12750	198	80.26	79.41	0.43	8	PVC	0.010	665050	0.02	166262	0.08
43	43	SYMPHONY DRIVE	86.63	20	19	0		30	225		0	12750	40	79.22	79.03	0.47	8	PVC	0.010	699559	0.02	174890	0.07
43	43	SYMPHONY DRIVE	86.56	19	18	0	2	30	225	1000	2000	14750	66	79.03	78.54	0.74	8	PVC	0.010	874588	0.02	218647	0.07
43	37	SYMPHONY DRIVE	86.98	18	29	0		50	225		0	23250	143	78.24	77.71	0.37	8	PVC	0.010	617941	0.04	154485	0.15
37	37	LOCUST STREET	94.84	30	29	42	14	42	225	1000	23450	23450	393	79.21	77.70	0.38	8	PVC	0.010	629172	0.04	157293	0.15
37	37	LOCUST STREET	87.04	29	14	0		92	225		0	46700	170	77.58	75.32	1.33	8	PVC	0.010	1170327	0.04	292582	0.16
37	37	LOCUST STREET	85.44	14	13	0		92	225		0	46700	90	75.14	74.69	0.50	8	PVC	0.010	717732	0.07	179433	0.26
37	37	VERMONT AVENUE	85.31	13	15	0	1	108	225	3000	3000	66500	203	74.69	73.84	0.42	8	PVC	0.010	656809	0.10	164202	0.40
37	37	VERMONT AVENUE	87.87	15	16	0	2	108	225	3000	6000	72500	204	73.76	70.44	1.63	8	PVC	0.010	1294886	0.06	323721	0.22
37	37	VERMONT AVENUE	82.81	16	9	0		108	225		0	72500	68	70.44	70.03	0.60	8	PVC	0.010	788161	0.09	197040	0.37
37	37	Route 70	82.20	9	10	0		183	330		0	134150	167	69.98	69.81	0.10	12	PVC	0.010	954817	0.14	238704	0.56
37	37	Route 70	80.50	10	11	0	3	183	2000	3000	9000	143150	328	69.61	67.51	0.64	12	PVC	0.010	2394566	0.06	598642	0.24
37	38	Route 70	77.40	11	10	0		183	2000		0	143150	400	67.41	63.41	1.00	12	PVC	0.010	2992638	0.05	748159	0.19
38	38	Route 70	73.70	10	11	1	1	184	2000	3000	5000	148150	400	63.31	61.24	0.52	12	PVC	0.010	2152828	0.07	538207	0.28

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Route 70	70.14	13	11	1		1	2000		2000	2000	35	61.75	61.24	1.46	4	PVC	0.010	192966	0.01	48242	0.04
38	38	Route 70	71.40	11	14	0	11	185	2000	3000	33000	183150	346	56.31	54.86	0.42	12	PVC	0.010	1937314	0.09	484329	0.38
38	38	Route 70	70.14	15	14	1		1	2000		2000	2000	17	61.05	60.26	4.65	4	PVC	0.010	344604	0.01	86151	0.02
38	38	Route 70	69.91	14	17	0		186	2000		0	185150	89	54.85	54.54	0.35	12	PVC	0.010	1766200	0.10	441550	0.42
38	38	Woodbine Ave.	68.55	22	21	25		25	300		7500	7500	400	61.65	59.69	0.49	8	PVC	0.010	710519	0.01	177630	0.04
38	38	Woodbine Ave.	68.07	21	20	20		45	300		6000	13500	211	59.67	58.95	0.34	8	PVC	0.010	592929	0.02	148232	0.09
38	38	Woodbine Ave.	66.28	20	25	0		45	300		0	13500	58	58.75	58.46	0.50	8	PVC	0.010	717732	0.02	179433	0.08
38	38	Patriots Way	67.16	23	24	18		18	300		5400	5400	355	60.14	58.19	0.55	8	PVC	0.010	752282	0.01	188070	0.03
38	38	Patriots Way	66.39	24	25	8		26	300		2400	7800	68	58.05	57.82	0.34	8	PVC	0.010	590319	0.01	147580	0.05
38	38	Patriots Way	65.70	25	19	0		71	300		0	21300	98	57.63	57.16	0.48	8	PVC	0.010	702932	0.03	175733	0.12
38	38	Patriots Way	66.28	19	18	0		71	300		0	21300	377	57.11	55.40	0.45	8	PVC	0.010	683604	0.03	170901	0.12
38	38	Patriots Way	69.48	18	17	0		71	300		0	21300	43	55.36	54.98	0.88	8	PVC	0.010	954190	0.02	238548	0.09
38	38	Route 70	68.85	17	26	0		257	300		0	206450	122	54.54	54.30	0.20	12	PVC	0.010	1327333	0.16	331833	0.62
43	37	Harrogate Dvpmt	81.95	1	12	24		24	300		7200	7200	396	76.00	74.65	0.34	8	PVC	0.010	592648	0.01	148162	0.05
37	38	Locust St.	84.20	12	39	1		25	3000		3000	10200	220	74.55	71.12	1.56	8	PVC	0.010	1267398	0.01	316850	0.03
38	44	Locust St.	81.00	39	2	15	1	40	300	3000	7500	17700	221	71.12	66.70	2.00	8	PVC	0.010	1435464	0.01	358866	0.05
43	43	Harrogate Dvpmt	73.40	2	3	28		28	300		8400	8400	101	68.75	68.05	0.69	8	PVC	0.010	845018	0.01	211254	0.04
43	44	Harrogate Dvpmt	71.95	3	8	14		42	300		4200	12600	372	67.95	66.60	0.36	8	PVC	0.010	611467	0.02	152867	0.08
44	44	Harrogate Dvpmt	70.96	8	7	9		51	300		2700	15300	132	66.50	66.08	0.32	8	PVC	0.010	572552	0.03	143138	0.11
44	44	Harrogate Dvpmt		7	6	0		51	300		0	15300	85	66.05	65.64	0.48	8	PVC	0.010	704953	0.02	176238	0.09
44	44	Harrogate Dvpmt	69.96	6	5	6		57	300		1800	17100	173	65.61	64.72	0.51	8	PVC	0.010	728030	0.02	182008	0.09
44	44	Harrogate Dvpmt	70.72	5	4	5		62	300		1500	18600	114	64.72	64.22	0.44	8	PVC	0.010	672218	0.03	168054	0.11
44	44	Harrogate Dvpmt	70.07	4	3	25		87	300		7500	26100	201	64.22	63.38	0.42	8	PVC	0.010	656174	0.04	164044	0.16
44	44	Harrogate Dvpmt	71.88	3	2	15		102	300		4500	30600	398	63.33	62.40	0.23	8	PVC	0.010	490656	0.06	122664	0.25
44	44	Locust St.	75.00	2	9	0		142	300		0	48300	278	62.40	61.26	0.41	8	PVC	0.010	649991	0.07	162498	0.30
44	44	Locust St.	69.00	9	10	0		142	300		0	48300	250	61.26	60.20	0.42	8	PVC	0.010	660937	0.07	165234	0.29
44	44	Locust St.	66.00	10	14	0		142	300		0	48300	75	60.10	59.71	0.52	8	PVC	0.010	731946	0.07	182987	0.26
44	44	Locust St.	67.71	14	18	0		142	300		0	48300	71.5	59.39	59.08	0.43	8	PVC	0.010	668352	0.07	167088	0.29
44	38	Locust St.	67.71	18	38	0		142	300		0	48300	104	59.03	58.67	0.35	8	PVC	0.010	597189	0.08	149297	0.32
38	38	Offroad	67.58	38	37	0		142	300		0	48300	300	58.52	57.31	0.40	8	PVC	0.010	644628	0.07	161157	0.30
38	38	Davids Court	63.61	37	35	22		164	300		6600	54900	336	57.31	55.80	0.45	8	PVC	0.010	680450	0.08	170113	0.32
38	38	Davids Court	64.18	35	26	25		189	300		7500	62400	400	55.75	54.30	0.36	8	PVC	0.010	611127	0.10	152782	0.41
38	38	Route 70	68.42	26	27	0		446	300		0	268850	161.4	54.22	53.49	0.45	12	DIP	0.013	1548176	0.17	387044	0.69
38	38	Davids Court	62.66	36	34	7		7	300		2100	2100	69	56.46	55.94	0.75	8	PVC	0.010	881160	0.00	220290	0.01
38	38	Davids Court	63.13	34	33	8		15	300		2400	4500	168	55.89	55.26	0.38	8	PVC	0.010	621574	0.01	155394	0.03
38	38	Davids Court	63.53	33	27	9		24	300		2700	7200	293	55.13	54.10	0.35	8	PVC	0.010	601814	0.01	150453	0.05
38	38	Route 70	67.17	27	28	0		470	300		0	276050	183.4	53.49	52.72	0.42	12	DIP	0.013	1491614	0.19	372904	0.74
38	38	Route 70	64.86	28	29	0		470	300		0	276050	356	52.72	51.13	0.45	12	PVC	0.010	1999989	0.14	499997	0.55

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
38	38	Davina Court	62.77	40	43	20		20	225		4500	4500	206.7	57.04	52.97	1.97	8	PVC	0.010	1424310	0.00	356077	0.01
38	38	Davina Court	60.71	43	42	0		20	225		0	4500	106.5	52.97	51.33	1.54	8	PVC	0.010	1259576	0.00	314894	0.01
44	44	Sophee Lane	106.53	72	71	36		36	225		8100	8100	400	100.50	94.70	1.45	8	PVC	0.010	1222254	0.01	305563	0.03
44	44	Amy Court	100.14	71	70	12	27	48	225	1000	29700	37800	125	94.20	90.20	3.20	8	PVC	0.010	1815735	0.02	453934	0.08
44	44	Cole Lane	96.15	70	73	12	4	60	225	525	4800	42600	260	90.00	88.20	0.69	8	PVC	0.010	844553	0.05	211138	0.20
44	44	Cole Lane	93.90	73	69	12	4	72	225	525	4800	47400	260	88.00	83.20	1.85	8	PVC	0.010	1379150	0.03	344787	0.14
44	44	Cole Lane	89.38	69	68	0		72	225		0	47400	80	83.00	81.20	2.25	8	PVC	0.010	1522540	0.03	380635	0.12
44	44	Cole Lane	86.84	68	67	0		72	225		0	47400	70	81.00	79.20	2.57	8	PVC	0.010	1627664	0.03	406916	0.12
44	44	Cole Lane	84.77	67	63	12	4	84	225	525	4800	52200	270	79.00	72.20	2.52	8	PVC	0.010	1610831	0.03	402708	0.13
44	44	Cole Lane	78.07	63	62	0		84	225		0	52200	55	72.00	71.20	1.45	8	PVC	0.010	1224168	0.04	306042	0.17
44	44	Sophee Lane	98.83	66	65	24		24	225		5400	5400	270	93.00	82.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.01
44	44	Sophee Lane	87.92	65	64	12		36	225		2700	8100	225	82.00	74.20	3.47	8	PVC	0.010	1889877	0.00	472469	0.02
44	44	Sophee Lane	80.80	64	62	0		36	225		0	8100	60	74.00	71.20	4.67	8	PVC	0.010	2192708	0.00	548177	0.01
44	44	Jared Court	79.20	62	61	24	4	144	225	525	7500	67800	287	71.00	69.40	0.56	8	PVC	0.010	757873	0.09	189468	0.36
44	44	Jared Court	77.12	61	60	1	4	145	2000	525	4100	71900	285	69.20	67.60	0.56	8	PVC	0.010	760528	0.09	190132	0.38
44	44	Jared Court	74.85	60	59	0		145	225		0	71900	33	67.40	66.70	2.12	8	PVC	0.010	1478323	0.05	369581	0.19
44	44	Jared Court	74.60	59	58	0		145	225		0	71900	120	66.50	65.70	0.67	8	PVC	0.010	828766	0.09	207191	0.35
44	44	Jared Court	73.57	58	57	0		145	225		0	71900	142	65.50	62.74	1.94	8	PVC	0.010	1415102	0.05	353776	0.20
44	44	Jared Court	71.28	57	56	0		145	225		0	71900	175	62.54	60.79	1.00	8	PVC	0.010	1015027	0.07	253757	0.28
44	55	Locust Street	69.38	56	19	0		145	225		0	71900	95	60.59	60.11	0.51	8	PVC	0.010	721500	0.10	180375	0.40
44	44	Locust St.	69.76	19	20	74		219	225		16650	88550	61	59.41	59.27	0.23	8	PVC	0.010	486269	0.18	121567	0.73
44	38	Rose Court	69.67	20	49	9		228	300		2700	91250	172	59.27	58.52	0.44	8	PVC	0.010	670261	0.14	167565	0.54
38	38	Rose Court	68.27	50	49	12		12	300		3600	3600	200	60.77	59.52	0.63	8	PVC	0.010	802449	0.00	200612	0.02
38	38	Rose Court	67.20	49	48	0		240	300		0	94850	44	58.50	58.32	0.40	8	PVC	0.010	640133	0.15	160033	0.59
38	38	Rose Court	66.42	48	47	23		263	300		6900	101750	364	58.22	55.34	0.79	8	PVC	0.010	902865	0.11	225716	0.45
38	38	Rose Court	62.74	47	46	0		263	300		0	101750	71	55.26	54.68	0.82	8	PVC	0.010	917407	0.11	229352	0.44
38	38	Rose Court	63.46	46	45	8		271	300		2400	104150	119	54.64	52.60	1.71	8	PVC	0.010	1328982	0.08	332245	0.31
38	38	Offroad	59.80	45	42	0		271	300		0	104150	327	50.92	49.67	0.38	8	PVC	0.010	627565	0.17	156891	0.66
38	38	Davids Court	60.65	42	44	20		311	225		4500	113150	174.1	49.65	48.80	0.49	8	PVC	0.010	709231	0.16	177308	0.64
38	38	Davids Court	59.80	44	41	0		311	300		0	113150	101.5	48.75	48.33	0.41	8	PVC	0.010	652934	0.17	163233	0.69
38	38	Davids Court	60.28	41	29	40		351	225		9000	122150	170.7	48.29	47.63	0.39	8	PVC	0.010	631150	0.19	157788	0.77
38	38	Route 70	64.03	29	30	0		821	300		0	398200	368.8	47.38	45.93	0.39	12	DIP	0.013	1443442	0.28	360860	1.10
38	38	Route 70	60.73	30	31	0	47	821	300	1000	47000	445200	400.9	45.93	44.07	0.46	12	PVC	0.010	2038415	0.22	509604	0.87
38	38	Route 70	60.45	31	32	0		821	300		0	445200	316.3	44.07	42.90	0.37	12	PVC	0.010	1820109	0.24	455027	0.98
38	39	Route 70	57.35	32	4	0		821	300		0	445200	209.5	42.12	41.35	0.37	18	PVC	0.010	5349142	0.08	1337286	0.33
49	49	Swiss Mountain Dr.	105.71	3	4	5		5	300		1500	1500	260	98.81	84.12	5.65	8	PVC	0.010	2412691	0.00	603173	0.00
49	44	New Hampshire Ave.	91.90	4	54	1		6	300		300	1800	323	84.02	82.41	0.50	8	PVC	0.010	716620	0.00	179155	0.01
44	44	New Hampshire Ave.	90.00	54	55	4		10	300		1200	3000	400	82.31	76.43	1.47	8	PVC	0.010	1230654	0.00	307664	0.01
44	44	New Hampshire Ave.	83.75	55	33	0		10	300		0	3000	262	76.33	65.72	4.05	8	PVC	0.010	2042605	0.00	510651	0.01
49	44	Swiss Mountain Dr.	109.39	2	51	5		5	300		1500	1500	275	101.71	92.36	3.40	8	PVC	0.010	1871617	0.00	467904	0.00
44	44	Swiss Mountain Dr.	104.27	53	52	1		1	300		300	300	103	97.32	93.20	4.00	8	PVC	0.010	2030053	0.00	507513	0.00
44	44	Swiss Mountain Dr.	99.87	52	51	1		2	300		300	600	64	93.10	92.36	1.16	8	PVC	0.010	1091449	0.00	272862	0.00
44	44	Hanna Dr.	99.80	51	50	2		9	300		600	2700	220	92.26	84.56	3.50	8	PVC	0.010	1898941	0.00	474735	0.01
44	44	Hanna Dr.	91.00	50	48	1		10	300		300	3000	110	84.46	79.68	4.35	8	PVC	0.010	2115899	0.00	528975	0.01
44	44	Tamara Ct.	87.45	49	48	4		4	300		1200	1200	254	80.95	79.68	0.50	8	PVC	0.010	717732	0.00	179433	0.01
44	44	Hanna Dr.	86.18	48	47	2		16	300		600	4800	320	79.58	73.18	2.00	8	PVC	0.010	1435464	0.00	358866	0.01
44	44	Hanna Dr.	79.39	47	46	2		18	300		600	5400	90	73.08	72.14	1.04	8	PVC	0.010	1037338	0.01	259334	0.02
44	44	Hanna Dr.	78.39	46	35	1		19	300		300	5700	155	72.04	67.78	2.75	8	PVC	0.010	1682738	0.00	420684	0.01
49	44	Isabella Dr.	115.20	1	45	8		8	300		2400	2400	363	107.82	103.90	1.08	8	PVC	0.010	1054793	0.00	263698	0.01
44	44	Isabella Dr.	111.20	45	44	4		12	300		1200	3600	263	103.80	94.10	3.69	8	PVC	0.010	1949330	0.00	487333	0.01
44	44	Isabella Dr.	101.04	44	43	3		15	300		900	4500	130	94.00	83.75	7.88	8	PVC	0.010	2850150	0.00	712537	0.01
44	44	Isabella Dr.	92.15	43	42	8		23	300		2400	6900	400	83.66	73.79	2.47	8	PVC	0.010	1594432	0.00	398608	0.02
44	44	Isabella Dr.	82.90	42	41	2		25	300		600	7500	100	73.69	73.19	0.50	8	PVC	0.010	717732	0.01	179433	0.04

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
44	44	Isabella Dr.	80.65	40	41	2		2	300		600	600	140	74.00	73.19	0.58	8	PVC	0.010	772069	0.00	193017	0.00
44	44	Belgian Hill Rd.	82.15	41	39	1		28	300		300	8400	107	73.09	71.96	1.06	8	PVC	0.010	1043097	0.01	260774	0.03
44	44	Belgian Hill Rd.	80.56	39	38	3		31	300		900	9300	240	71.86	69.22	1.10	8	PVC	0.010	1064569	0.01	266142	0.03
44	44	Belgian Hill Rd.	77.02	38	37	1		32	300		300	9600	83	69.12	68.71	0.49	8	PVC	0.010	713395	0.01	178349	0.05
44	44	Belgian Hill Rd.	75.73	37	36	0		32	300		0	9600	61	68.61	68.31	0.49	8	PVC	0.010	711825	0.01	177956	0.05
44	44	Belgian Hill Rd.	75.40	36	35	2		34	300		600	10200	88	68.21	67.77	0.50	8	PVC	0.010	717732	0.01	179433	0.06
44	44	Belgian Hill Rd.	76.64	35	34	1		54	300		300	16200	150	67.67	66.92	0.50	8	PVC	0.010	717732	0.02	179433	0.09
44	44	Belgian Hill Rd.	79.23	34	33	3		57	300		900	17100	225	66.82	65.70	0.50	8	PVC	0.010	716135	0.02	179034	0.10
44	44	New Hampshire Ave.	77.73	33	32	0		67	300		0	20100	295	65.60	63.74	0.63	8	PVC	0.010	805977	0.02	201494	0.10
44	44	New Hampshire Ave.	72.00	32	31	0		67	300		0	20100	275	63.64	59.52	1.50	8	PVC	0.010	1242395	0.02	310599	0.06
44	44	New Hampshire Ave.	66.30	31	29	0		67	300		0	20100	400	59.42	57.47	0.49	8	PVC	0.010	708704	0.03	177176	0.11
44	38	New Hampshire Ave.	65.60	29	58	3		70	300		900	21000	19	57.37	56.29	5.68	8	PVC	0.010	2419984	0.01	604996	0.03
44	44	Locust St.	69.90	25	27	0	32	0	2000	1000	32000	32000	195	60.71	58.96	0.90	8	DIP	0.013	739666	0.04	184917	0.17
44	44	Offroad	65.09	27	28	48		48	300		14400	46400	252	58.76	56.22	1.01	8	DIP	0.013	783882	0.06	195970	0.24
44	38	Offroad	64.70	28	57	48		96	300		14400	60800	166	56.02	54.36	1.00	8	DIP	0.013	780790	0.08	195197	0.31
38	38	Offroad	62.28	57	56	24		120	300		7200	68000	190	54.16	52.26	1.00	8	DIP	0.013	780790	0.09	195197	0.35
44	38	Offroad	65.00	26	51	48		48	300		14400	14400	200	59.22	58.22	0.50	8	DIP	0.013	552102	0.03	138025	0.10
38	38	Offroad	63.20	51	52	48		96	300		14400	28800	270	58.12	56.76	0.50	8	DIP	0.013	554143	0.05	138536	0.21
38	38	Offroad	61.23	52	53	0		96	300		0	28800	125	56.56	55.94	0.50	8	DIP	0.013	549889	0.05	137472	0.21
38	38	Offroad	61.52	53	54	24		120	300		7200	36000	230	55.84	54.69	0.50	8	DIP	0.013	552102	0.07	138025	0.26
38	38	Offroad	62.42	54	55	24		144	300		7200	43200	248	54.49	53.25	0.50	8	DIP	0.013	552102	0.08	138025	0.31
38	38	Offroad	59.53	55	56	24		168	300		7200	50400	155	53.05	52.26	0.51	8	DIP	0.013	557419	0.09	139355	0.36
38	38	Offroad	60.95	56	58	1		289	2000		2000	120400	185	52.06	50.01	1.11	8	DIP	0.013	821912	0.15	205478	0.59
38	38	New Hampshire Ave.	64.20	58	59	0		359	300		0	141400	240	49.84	47.57	0.95	10	DIP	0.013	1376791	0.10	344198	0.41
38	38	New Hampshire Ave.	62.50	59	60	0		359	300		0	141400	235	47.47	46.44	0.44	10	PVC	0.010	1218397	0.12	304599	0.46
38	39	New Hampshire Ave.	63.00	60	8	1	9	360	300	1000	9300	150700	324	46.34	44.90	0.44	10	PVC	0.010	1226910	0.12	306728	0.49
39	39	New Hampshire Ave.	59.10	8	7	0		360	300		0	150700	79	44.80	44.45	0.44	10	PVC	0.010	1224968	0.12	306242	0.49
39	39	New Hampshire Ave.	58.50	7	6	0		360	300		0	150700	185	44.35	43.53	0.44	10	PVC	0.010	1225251	0.12	306313	0.49
39	39	New Hampshire Ave.	56.00	6	5	0		360	300		0	150700	150	43.43	42.77	0.44	10	PVC	0.010	1220760	0.12	305190	0.49
39	39	New Hampshire Ave.	56.20	5	4	1		361	2000		2000	152700	85	42.67	42.25	0.49	10	PVC	0.010	1293658	0.12	323414	0.47
39	39	Route 70	55.32	4	9	0		2204	300		0	1600912	391.5	41.35	40.50	0.22	18	PVC	0.010	4111255	0.39	1027814	1.56
39	39	Route 70	54.58	9	10	0	5	2204	300	3000	15000	1615912	406.8	40.50	40.12	0.09	18	PVC	0.010	2696697	0.60	674174	2.40
39	39	Route 70	57.27	10	11	0		2204	300		39375	1655287	403.3	40.12	39.48	0.16	18	PVC	0.010	3514849	0.47	878712	1.88
39	39	Route 70	50.76	12	11	1		1	2000		2000	2000	21	46.00	45.34	3.14	6	PVC	0.010	835545	0.00	208886	0.01
39	39	New Hampshire	NEW	NEW	11	-					93332	93332											
39	39	Route 70	56.67	11	13	0		2205	300		0	1750619	355.5	39.48	38.87	0.17	18	PVC	0.010	3654904	0.48	913726	1.92
39	39	Route 70	55.13	13	14	0		2205	300		0	1750619	347	31.67	30.95	0.21	18	PVC	0.010	4019132	0.44	1004783	1.74
39	39	Route 70	48.67	14	15	0		2205	300		0	1750619	403.6	30.95	30.50	0.11	24	PVC	0.010	6344997	0.28	1586249	1.10
39	39	Route 70	41.67	15	17	0		2205	300		0	1750619	418.3	30.50	29.72	0.19	24	PVC	0.010	8205483	0.21	2051371	0.85
39	34	Route 70	47.20	17	26	0		2205	300		0	1750619	364	29.72	28.96	0.21	24	PVC	0.010	8682742	0.20	2170685	0.81
34	34	Route 70	47.55	26	27	0		2205	300		0	1750619	500.6	28.96	28.13	0.17	24	PVC	0.010	7737388	0.23	1934347	0.91
34	34	Route 70	46.36	27	28	0		2205	300		0	1750619	499.9	28.13	27.26	0.17	24	PVC	0.010	7927182	0.22	1981796	0.88
34	34	Route 70	46.98	28	29	0		2205	300		0	1750619	500.3	27.26	26.52	0.15	24	PVC	0.010	7308048	0.24	1827012	0.96
34	34	Route 70	45.14	29	30	0		2205	300		0	1750619	444.5	26.52	25.88	0.14	24	PVC	0.010	7210326	0.24	1802581	0.97

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
29	29	Oak St.		1	1A	2		2	3000		6000	6000	170	44.76	44.08	0.40	8	ACP	0.013	493815	0.01	123454	0.05
29	29	Oak St.		1A	2	0	12	2	3000	3000	36000	42000	300	44.08	43.34	0.25	8	ACP	0.013	387783	0.11	96946	0.43
29	29	Oak St.	49.23	2	3	2		4	3000		6000	48000	320	42.84	42.50	0.11	14	ACP	0.013	1131879	0.04	282970	0.17
29	29	Oak St.	48.46	3	4	1		5	3000		3000	51000	400	42.50	41.70	0.20	14	ACP	0.013	1552925	0.03	388231	0.13
29	29	Oak St.	46.86	4	5	0		5	3000		0	51000	400	41.70	40.72	0.25	14	ACP	0.013	1718773	0.03	429693	0.12
29	29	Airport Rd.	50.31	10	9	1		1	4500		4500	4500	170	42.02	41.78	0.14	14	ACP	0.013	1304718	0.00	326180	0.01
29	29	Airport Rd.	48.37	9	8	0		1	3000		0	4500	72	41.78	41.70	0.11	14	ACP	0.013	1157482	0.00	289371	0.02
29	29	Airport Rd.	48.56	8	6	0		1	3000		0	4500	362	41.70	41.28	0.12	14	ACP	0.013	1182785	0.00	295696	0.02
29	29	Airport Rd.	48.23	6	5	1		2	3000		3000	7500	400	41.28	40.72	0.14	14	ACP	0.013	1299270	0.01	324818	0.02
29	34	Airport Rd.	48.14	5	8	2		9	3000		6000	64500	175	40.72	40.38	0.19	14	ACP	0.013	1530580	0.04	382645	0.17
34	34	Airport Rd.	45.92	8	7	0		9	3000		0	64500	100	40.38	40.20	0.18	14	ACP	0.013	1473234	0.04	368309	0.18
29	34	Airport Rd.	46.51	17	10	2		2	3000		6000	6000	329	43.47	42.41	0.32	14	ACP	0.013	1971018	0.00	492754	0.01
34	34	Airport Rd.	42.37	10	9	0		2	3000		0	6000	145	42.41	41.67	0.51	14	ACP	0.013	2480661	0.00	620165	0.01
34	34	Airport Rd.		9	7	0		2	3000		0	6000	290	41.67	40.20	0.51	14	ACP	0.013	2472266	0.00	618067	0.01
34	34	Airport Rd.	48.16	7	6	2		13	3500		7000	77500	400	40.20	39.92	0.07	14	ACP	0.013	918723	0.08	229681	0.34
34	34	Airport Rd.	50.07	6	5	0		13	3000		0	77500	50	39.92	39.83	0.18	14	ACP	0.013	1473234	0.05	368309	0.21
34	34	Gusmer Dr.	54.20	3	4	2		2	3500		7000	7000	351	46.62	44.62	0.57	8	ACP	0.013	589380	0.01	147345	0.05
34	34	Gusmer Dr.	52.12	4	5	0		2	3000		0	7000	390	44.62	41.67	0.76	8	ACP	0.013	679067	0.01	169767	0.04
34	34	Airport Rd.	50.04	5	12	0		15	3000		0	84500	400	39.83	39.36	0.12	14	ACP	0.013	1190295	0.07	297574	0.28
34	34	Airport Rd.	49.69	12	13	3		18	3000		9000	93500	400	39.36	38.80	0.14	14	ACP	0.013	1299270	0.07	324818	0.29
34	34	Airport Rd.	48.33	13	21	3		21	2000		6000	99500	390	38.80	38.25	0.14	14	ACP	0.013	1304021	0.08	326005	0.31
34	34	Route 70	47.96	20	19	2		2	1500		3000	3000	205	40.16	39.44	0.35	10	PVC	0.010	1090670	0.00	272668	0.01
34	34	Route 70	47.59	19	18	0		2	3000		0	3000	294	39.44	38.63	0.28	10	PVC	0.010	965991	0.00	241498	0.01
34	34	Route 70	45.33	18	21	0		2	3000		0	3000	179	38.58	38.03	0.31	10	PVC	0.010	1020138	0.00	255035	0.01
34	34	Route 70	Buried	21	22	0		23	3000		0	102500	100	37.73	32.80	4.93	14	ACP	0.013	7710082	0.01	1927521	0.05
35	35	Route 70		5	4	0		0	3000		0	0	180	41.08	40.18	0.50	8	PVC	0.010	717732	0.00	179433	0.00
35	35	Route 70		4	3	0		0	3000		0	0	80	40.18	39.32	1.08	12	PVC	0.010	3102833	0.00	775708	0.00
35	35	Route 70		3	2	0	17	0	3000	3000	51000	51000	400	39.22	37.60	0.40	12	PVC	0.010	1904503	0.03	476126	0.11
35	35	Route 70		2	1	0		0	3000		0	51000	400	37.60	36.00	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
35	34	Route 70		1	25	0		0	3000		0	51000	400	36.00	34.40	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		25	24	1		1	1000		1000	52000	400	34.40	32.80	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		24	23	0		1	3000		0	52000	225	32.80	31.90	0.40	12	PVC	0.010	1892710	0.03	473178	0.11
34	34	Route 70		23	22	0		1	3000		0	52000	70	31.90	31.62	0.40	12	PVC	0.010	1892710	0.03	473178	0.11

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
34	34	Route 70		22	30	0		24	3000		0	154500	115	31.12	25.88	4.56	18	PVC	0.010	18834215	0.01	4708554	0.03
34	34	Route 70	42.56	30	31	0		2229	3000		0	1905119	74	25.88	25.71	0.23	24	PVC	0.010	9107714	0.21	2276928	0.84
34	34	Route 70	45.26	31	32	0		2229	3000		0	1905119	417	25.71	24.98	0.18	24	PVC	0.010	7950495	0.24	1987624	0.96
34	34	Route 70	44.88	32	33	0		2229	3000		0	1905119	324.4	24.98	24.34	0.20	24	PVC	0.010	8440153	0.23	2110038	0.90
34	40	Route 70	42.26	33	27	3		2232	3000		9000	1914119	342.1	24.34	23.80	0.16	24	DIP	0.013	5807347	0.33	1451837	1.32
40	40	Offroad	39.42	27	25	0		2232	3000		0	1914119	104	23.80	23.62	0.17	24	DIP	0.013	6081028	0.31	1520257	1.26
40	40	Offroad	37.80	25	26	0		4471	3000		0	2647119	239	23.62	21.78	0.77	24	DIP	0.013	12825296	0.21	3206324	0.83
					OCUA																		
35	35	Route 70	41.02	6	7	10		10	2000		20000	20000	160	34.52	33.07	0.91	8	PVC	0.010	966277	0.02	241569	0.08
35	41	Route 70	39.96	7	1	0		10	2000		0	20000	197	33.07	31.91	0.59	8	PVC	0.010	778885	0.03	194721	0.10
41	41	Route 70	38.81	1	2	0		10	2000		0	20000	120	31.91	31.53	0.32	8	PVC	0.010	571187	0.04	142797	0.14
41	41	Route 70	37.79	2	5	0		10	2000		0	20000	139	31.53	30.65	0.63	8	PVC	0.010	807628	0.02	201907	0.10
41	41	Route 70	35.63	5	6	0		10	2000		0	20000	99	30.65	27.75	2.93	8	PVC	0.010	1737236	0.01	434309	0.05
41	41	Route 70	35.85	6	7	0		10	2000		0	20000	41	25.58	24.73	2.07	8	PVC	0.010	1461487	0.01	365372	0.05
					OCUA																		
35	35	Route 70		11	10	1		1	2000		2000	2000	145	36.37	35.64	0.50	8	PVC	0.010	720203	0.00	180051	0.01
35	35	Route 70		10	9	0		1	3000		0	2000	320	35.54	33.13	0.75	8	PVC	0.010	880868	0.00	220217	0.01
35	35	Route 70	38.70	9	13	0		1	3000		0	2000	71	33.13	32.35	1.10	8	PVC	0.010	1063887	0.00	265972	0.01
35	35	Parking Lot	40.79	13	14	0		1	3000		0	2000	324	32.35	30.46	0.58	8	PVC	0.010	775239	0.00	193810	0.01
35	41	Parking Lot	39.01	14	8	0		1	3000		0	2000	183	30.46	28.88	0.86	8	PVC	0.010	943149	0.00	235787	0.01
41	41	Offroad	33.77	8	9	0		1	3000		0	2000	120	28.88	28.04	0.70	8	PVC	0.010	849232	0.00	212308	0.01
41	41	Offroad	33.96	9	10	0		1	3000		0	2000	34	28.04	27.82	0.65	8	PVC	0.010	816487	0.00	204122	0.01
35	41	Service	33.49	15	10	5		5	2000		10000	10000	180	33.16	27.82	2.97	8	PVC	0.010	1748283	0.01	437071	0.02
41	41	Offroad	33.50	10	11	0		6	3000		0	12000	17	27.82	27.75	0.41	8	PVC	0.010	651331	0.02	162833	0.07
					OCUA																		
41	41	Parking Lot	36.92	21	20	1		1	2000		2000	2000	186	27.70	25.05	1.42	8	PVC	0.010	1211557	0.00	302889	0.01
41	41	Offroad	31.00	20	19	0		1	3000		0	2000	8	24.98	24.78	2.50	8	PVC	0.010	1604898	0.00	401224	0.00
41	41	Offroad	31.00	19	18	0		1	3000		0	2000	8	24.73	24.33	5.00	8	PVC	0.010	2269669	0.00	567417	0.00
					OCUA																		
35	36	Parking Lot	35.30	16	12	10		10	2000		20000	20000	120	27.75	26.98	0.64	8	PVC	0.010	813078	0.02	203269	0.10
36	36	Offroad	32.30	12	13	0		10	2000		0	20000	90	26.88	26.35	0.59	8	PVC	0.010	778922	0.03	194731	0.10
36	36	Offroad	35.80	15	14	5		5	2000		10000	10000	206	28.50	27.23	0.62	8	PVC	0.010	796977	0.01	199244	0.05
36	36	Offroad	30.28	14	13	0		5	2000		0	10000	121	27.13	26.35	0.64	8	PVC	0.010	814952	0.01	203738	0.05
36	36	Offroad	32.75	13	16	0		5	2000		0	10000	14	26.28	26.05	1.64	8	PVC	0.010	1301000	0.01	325250	0.03
36	36	Offroad	33.25	16	17	0		5	2000		0	10000	37	26.00	25.05	2.57	8	PVC	0.010	1626441	0.01	406610	0.02
36	36	Offroad	33.25	17	18	0		5	2000		0	10000	13	20.75	19.18	12.08	8	PVC	0.010	3527407	0.00	881852	0.01
					OCUA																		

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	Parking Lot	39.80	1	2	2		2	2000		4000	4000	324	30.45	28.25	0.68	8	PVC	0.010	836404	0.00	209101	0.02
36	36	Parking Lot	37.25	2	3	0		2	2000		0	4000	304	28.15	26.25	0.63	8	PVC	0.010	802449	0.00	200612	0.02
36	36	Parking Lot	37.10	3	4	3		5	2000		6000	10000	363	26.15	23.99	0.60	8	PVC	0.010	782981	0.01	195745	0.05
36	36	Parking Lot	33.67	4	5	0		5	2000		0	10000	192	23.99	22.70	0.67	8	PVC	0.010	831997	0.01	207999	0.05
36	36	Parking Lot	33.50	5	6	0		5	2000		0	10000	48	22.63	22.30	0.69	8	PVC	0.010	841616	0.01	210404	0.05
36	36	Shorrock St.	31.00	6	7	0		5	2000		0	10000	106	22.19	21.43	0.72	8	PVC	0.010	859471	0.01	214868	0.05
36	36	Shorrock St.	31.50	7	8	0		5	2000		0	10000	13	21.10	21.01	0.69	8	PVC	0.010	844553	0.01	211138	0.05
36	36	Parking Lot	37.00	11	10	5		5	2000		10000	10000	260	30.80	29.04	0.68	8	PVC	0.010	835117	0.01	208779	0.05
36	36	Parking Lot	36.00	10	9	0		5	2000		0	10000	284	29.03	27.32	0.60	8	PVC	0.010	787619	0.01	196905	0.05
36	36	Shorrock St.	36.18	9	8	0		5	2000		0	10000	30	27.23	27.04	0.63	8	PVC	0.010	807781	0.01	201945	0.05
36	36	Shorrock St.	31.00	8	21	0		10	2000		0	20000	48	19.63	19.24	0.81	8	PVC	0.010	914933	0.02	228733	0.09
36	36	Shorrock St.	29.85	21	20	0		10	2000		0	20000	19	19.24	19.15	0.47	8	PVC	0.010	698589	0.03	174647	0.11
					OCUA																		
55	55	Silverspring Dr.	81.36	34	33	8		8	170		1360	1360	188	74.95	74.16	0.42	8	PVC	0.010	657979	0.00	164495	0.01
55	55	Silverspring Dr.	79.13	33	32	10		18	170		1700	3060	301	73.98	72.78	0.40	8	PVC	0.010	640892	0.00	160223	0.02
55	55	Silverspring Dr.	81.09	32	31	5		23	170		850	3910	123	72.70	72.21	0.40	8	PVC	0.010	640653	0.01	160163	0.02
55	55	Silverspring Dr.	79.34	31	30	5		28	170		850	4760	146	71.97	71.42	0.38	8	PVC	0.010	622992	0.01	155748	0.03
55	55	Silverspring Dr.	78.54	30	29	4		32	170		680	5440	120	71.39	70.88	0.43	8	PVC	0.010	661716	0.01	165429	0.03
55	55	Silverspring Dr.	77.14	29	27	11		43	170		1870	7310	360	70.83	69.26	0.44	8	PVC	0.010	670310	0.01	167578	0.04
55	55	Spring Meadow Dr.	77.39	28	27	0		0	170		0	0	150	70.07	69.33	0.49	8	PVC	0.010	712931	0.00	178233	0.00
55	55	Spring Meadow Dr.	75.63	27	26	0		43	170		0	7310	140	69.26	68.78	0.34	8	PVC	0.010	594339	0.01	148585	0.05
55	55	Spring Meadow Dr.	75.99	26	22	0		43	170		0	7310	221	68.74	67.97	0.35	8	PVC	0.010	599138	0.01	149784	0.05
55	55	Autumn Rise Lane	79.91	25	24	9		9	170		1530	1530	218	71.75	68.80	1.35	8	PVC	0.010	1180756	0.00	295189	0.01
55	55	Autumn Rise Lane	74.55	24	23	2		11	170		340	1870	70	68.73	68.35	0.54	8	PVC	0.010	747860	0.00	186965	0.01
55	55	Autumn Rise Lane	72.39	23	22	1		12	170		170	2040	77	68.27	67.97	0.39	8	PVC	0.010	633567	0.00	158392	0.01
55	55	Spring Meadow Dr.	72.37	22	21	0		55	170		0	9350	69	67.90	67.61	0.42	8	PVC	0.010	658039	0.01	164510	0.06
55	55	Spring Meadow Dr.	72.81	21	20	0		55	170		0	9350	224	67.56	66.85	0.32	8	PVC	0.010	571456	0.02	142864	0.07
55	55	Spring Meadow Dr.	72.54	20	19	0		55	170		0	9350	150	66.85	66.39	0.31	8	PVC	0.010	562096	0.02	140524	0.07
55	55	Spring Meadow Dr.	72.70	19	16	0		55	170		0	9350	111	66.35	65.96	0.35	8	PVC	0.010	601656	0.02	150414	0.06
55	55	Autumn Rise Lane	79.66	18	17	8		8	170		1360	1360	217	72.54	67.08	2.52	8	PVC	0.010	1610067	0.00	402517	0.00
55	55	Autumn Rise Lane	74.81	17	16	1		9	170		170	1530	53	66.98	65.92	2.00	8	PVC	0.010	1435464	0.00	358866	0.00
55	55	Spring Meadow Dr.	74.81	16	13	0		64	170		0	10880	303	65.90	64.67	0.41	8	PVC	0.010	646709	0.02	161677	0.07
55	55	Silverwoods Dr.	79.00	15	14	6		6	170		1020	1020	196	70.84	66.00	2.47	8	PVC	0.010	1595042	0.00	398760	0.00
55	55	Silverwoods Dr.	74.25	14	13	0		6	170		0	1020	40	65.94	64.85	2.73	8	PVC	0.010	1675563	0.00	418891	0.00
55	55	Spring Meadow Dr.	74.39	13	9	0		70	170		0	11900	304	64.64	63.66	0.32	8	PVC	0.010	576307	0.02	144077	0.08

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
55	55	Silverwoods Dr.	79.25	12	11	9		9	170		1530	1530	195	71.37	69.51	0.95	8	PVC	0.010	991326	0.00	247832	0.01
55	55	Silverwoods Dr.	77.45	11	10	3		12	170		510	2040	61	69.43	68.87	0.92	8	PVC	0.010	972538	0.00	243134	0.01
55	55	Silverwoods Dr.	76.85	10	9	2		14	170		340	2380	137	68.76	63.94	3.52	8	PVC	0.010	1903885	0.00	475971	0.01
55	55	Spring Meadow Dr.	76.41	9	8	0		84	170		0	14280	148	63.56	63.07	0.33	8	PVC	0.010	584043	0.02	146011	0.10
55	55	Spring Meadow Dr.	80.11	8	7	0		84	170		0	14280	93	62.97	62.65	0.34	8	PVC	0.010	595403	0.02	148851	0.10
55	51	Spring Meadow Dr.	82.50	7	41	0		84	170		0	14280	340	62.47	61.49	0.29	8	PVC	0.010	544943	0.03	136236	0.10
51	51	Spring Meadow Dr.	78.52	41	40	0		84	170		0	14280	400	61.46	60.06	0.35	8	PVC	0.010	600498	0.02	150124	0.10
51	51	Spring Meadow Dr.	74.96	40	39	0		84	170		0	14280	250	60.04	59.15	0.36	8	PVC	0.010	605623	0.02	151406	0.09
51	51	Spring Meadow Dr.	76.91	39	38	0		84	170		0	14280	300	59.07	58.00	0.36	8	PVC	0.010	606190	0.02	151547	0.09
51	51	Spring Meadow Dr.	72.58	38	37	0		84	170		0	14280	267	57.83	56.73	0.41	8	PVC	0.010	651506	0.02	162876	0.09
51	51	Spring Meadow Dr.	62.89	37	36	0		84	170		0	14280	35	56.73	56.60	0.37	8	PVC	0.010	618607	0.02	154652	0.09
55	55	Goldensprings Dr.	84.10	37	36	4		4	170		680	680	138	76.34	74.71	1.18	8	PVC	0.010	1103143	0.00	275786	0.00
55	55	Goldensprings Dr.	82.35	36	35	4		8	170		680	1360	152	74.62	72.92	1.12	8	PVC	0.010	1073446	0.00	268361	0.01
55	51	Springmeadow Dr.	81.25	35	42	4		12	170		680	2040	355	72.68	69.80	0.81	8	PVC	0.010	914238	0.00	228560	0.01
51	51	Spring Meadow Dr.	77.73	42	43	4		16	170		680	2720	303	69.75	68.17	0.52	8	PVC	0.010	732967	0.00	183242	0.01
51	51	Spring Meadow Dr.	77.04	43	44	4		20	170		680	3400	202	67.97	66.97	0.50	8	PVC	0.010	714170	0.00	178543	0.02
51	51	Spring Meadow Dr.	77.25	44	45	8		28	170		1360	4760	396	66.97	62.82	1.05	8	PVC	0.010	1039092	0.00	259773	0.02
51	51	Spring Meadow Dr.	69.86	45	36	4		32	170		680	5440	220	62.73	56.60	2.79	8	PVC	0.010	1694323	0.00	423581	0.01
51	51	Greensprings Dr.	87.85	52	53	11		11	170		1870	1870	275	81.17	75.30	2.13	8	PVC	0.010	1482962	0.00	370741	0.01
51	55	Greensprings Dr.	82.47	53	40	1		12	170		170	2040	80	75.10	73.64	1.82	8	PVC	0.010	1371225	0.00	342806	0.01
55	55	Greensprings Dr.	80.01	40	39	0		12	170		0	2040	97	73.52	72.65	0.90	8	PVC	0.010	961283	0.00	240321	0.01
55	55	Goldensprings Dr.	82.10	38	39	5		5	170		850	850	110	74.83	72.59	2.04	8	PVC	0.010	1448455	0.00	362114	0.00
55	55	Goldensprings Dr.	78.92	39	41	2		19	170		340	3230	89	72.42	69.60	3.17	8	PVC	0.010	1806787	0.00	451697	0.01
55	55	Goldensprings Dr.	76.82	41	42	8		27	170		1360	4590	188	69.47	65.15	2.30	8	PVC	0.010	1538652	0.00	384663	0.01
55	51	Goldensprings Dr.	72.43	42	54	9		36	170		1530	6120	241	64.98	59.52	2.27	8	PVC	0.010	1527796	0.00	381949	0.02
51	51	Goldensprings Dr.	67.18	54	55	5		41	170		850	6970	119	59.46	58.61	0.71	8	PVC	0.010	857854	0.01	214464	0.03
51	51	Goldensprings Dr.	66.22	55	47	12		53	170		2040	9010	369	58.55	56.85	0.46	8	PVC	0.010	688952	0.01	172238	0.05
51	51	Greensprings Dr.	89.73	51	50	6		6	170		1020	1020	161	81.52	80.07	0.90	8	PVC	0.010	963271	0.00	240818	0.00
51	51	Greensprings Dr.	88.09	50	49	13		19	170		2210	3230	300	79.97	71.83	2.71	8	PVC	0.010	1671972	0.00	417993	0.01
51	51	Greensprings Dr.	79.59	49	48	2		21	170		340	3570	82	71.73	69.88	2.26	8	PVC	0.010	1524602	0.00	381150	0.01
51	51	Greensprings Dr.	77.61	48	47	4		25	170		680	4250	221	69.75	64.35	2.44	8	PVC	0.010	1586639	0.00	396660	0.01
51	52	Goldensprings Dr.	72.16	47	100	3		81	170		510	13770	192	56.79	55.61	0.61	8	PVC	0.010	795734	0.02	198933	0.07
52	52	Greensfields Dr.	79.99	44	43	5		5	170		850	850	156.5	71.99	68.32	2.35	8	PVC	0.010	1554366	0.00	388592	0.00
52	52	Greensfields Dr.	76.74	43	42	12		17	170		2040	2890	339.5	68.32	60.54	2.29	8	PVC	0.010	1536552	0.00	384138	0.01
52	52	Summerfield Dr.	67.40	42	41	0		17	170		0	2890	192	60.46	59.74	0.37	8	PVC	0.010	621574	0.00	155394	0.02
52	52	Summerfield Dr.	65.60	41	40	0		17	170		0	2890	89.5	59.64	59.24	0.45	8	PVC	0.010	678572	0.00	169643	0.02
52	52	Summerfield Dr.	64.20	40	39	3		20	170		510	3400	184	59.22	58.52	0.38	8	PVC	0.010	626062	0.01	156516	0.02
52	52	Summerfield Dr.	68.44	39	38	1		21	170		170	3570	36.5	58.48	58.24	0.66	8	PVC	0.010	823070	0.00	205767	0.02
52	52	Summerfield Dr.	68.05	38	37	3		24	170		510	4080	164	58.12	57.40	0.44	8	PVC	0.010	672546	0.01	168136	0.02
52	52	Summerfield Dr.	67.63	37	34	0		24	170		0	4080	279	57.38	56.21	0.42	8	PVC	0.010	657307	0.01	164327	0.02

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	Greensfields Dr.	80.53	36	35	6		6	170		1020	1020	175	71.68	68.15	2.02	8	PVC	0.010	1441603	0.00	360401	0.00
52	52	Greensfields Dr.	76.61	35	34	7		13	170		1190	2210	211.5	68.15	64.21	1.86	8	PVC	0.010	1385385	0.00	346346	0.01
52	52	Summerfield Dr.	72.95	34	33	0		37	170		0	6290	147.5	56.09	55.50	0.40	8	PVC	0.010	641959	0.01	160490	0.04
52	52	Summerfield Dr.	75.93	33	32	0		37	170		0	6290	181	55.40	54.65	0.41	8	PVC	0.010	653384	0.01	163346	0.04
52	52	Summerfield Dr.	76.51	32	31	0		37	170		0	6290	218	54.58	53.77	0.37	8	PVC	0.010	618716	0.01	154679	0.04
52	52	Summerfield Dr.	72.83	31	30	0		37	170		0	6290	155	53.62	52.94	0.44	8	PVC	0.010	672305	0.01	168076	0.04
52	52	Summerfield Dr.	71.78	30	100	0		37	170		0	6290	135	52.80	52.25	0.41	8	PVC	0.010	647876	0.01	161969	0.04
52	51	Summerfield Dr.	70.02	100	46	0		118	170		0	20060	200	52.25	51.38	0.43	8	PVC	0.010	669456	0.03	167364	0.12
51	51	Summerfield Dr.	67.44	46	36	0		118	170		0	20060	315	51.35	50.20	0.37	8	PVC	0.010	613297	0.03	153324	0.13
51	51	Spring Meadow Dr.	63.72	36	35	0		234	170		0	39780	191	50.13	49.60	0.28	10	PVC	0.010	969450	0.04	242362	0.16
51	51	Spring Meadow Dr.		35	34	0		84	170		0	14280	340	49.55	48.61	0.28	10	PVC	0.010	967673	0.01	241918	0.06
52	52	Bellflower Dr	69.15	19	18	7		7	170		1190	1190	179	60.27	56.88	1.89	8	PVC	0.010	1396853	0.00	349213	0.00
52	51	Bellflower Dr	64.91	18	57	7		14	170		1190	2380	165.5	56.75	54.85	1.15	8	PVC	0.010	1087565	0.00	271891	0.01
51	51	Bellflower Dr	63.10	57	56	1		15	170		170	2550	62	54.70	53.43	2.05	8	PVC	0.010	1452725	0.00	363181	0.01
51	52	Bellflower Dr	61.76	56	16	7		22	170		1190	3740	304.5	53.15	51.70	0.48	8	PVC	0.010	700435	0.01	175109	0.02
52	52	Bellflower Dr	64.46	17	16	7		7	170		1190	1190	187	56.86	51.80	2.71	8	PVC	0.010	1669675	0.00	417419	0.00
52	51	Bellflower Dr	61.14	16	34	2		31	170		340	5270	206.5	51.64	48.70	1.42	8	PVC	0.010	1211131	0.00	302783	0.02
51	51	Spring Meadow Dr.	59.65	34	33	0		115	170		0	19550	117	48.70	48.29	0.35	10	PVC	0.010	1089440	0.02	272360	0.07
									170														
52	52	Fallcrest Ct.	63.81	9	10	3		3	170		510	510	75	55.99	54.94	1.40	8	PVC	0.010	1200996	0.00	300249	0.00
52	52	Fallcrest Ct.	62.19	10	11	5		8	170		850	1360	220	54.94	52.93	0.91	8	PVC	0.010	970206	0.00	242552	0.01
52	51	Spring Meadow Dr.	60.45	11	33	0		123	170		0	20910	58.5	52.85	52.60	0.43	8	PVC	0.010	663544	0.03	165886	0.13
51	52	Spring Meadow Dr.	59.47	33	3	0		238	170		0	40460	359	48.10	47.09	0.28	12	PVC	0.010	1587331	0.03	396833	0.10
52	52	Spring Meadow Dr.	59.28	3	1	0		238	170		0	40460	189	46.98	46.59	0.21	12	PVC	0.010	1359426	0.03	339856	0.12
51	51	Golden Willow Ave.	58.77	32	31	8		8	170		1360	1360	137	51.53	50.84	0.50	8	PVC	0.010	720347	0.00	180087	0.01
51	51	Golden Willow Ave.	58.49	31	30	4		12	170		680	2040	41	50.76	50.53	0.56	8	PVC	0.010	760238	0.00	190059	0.01
51	51	Golden Willow Ave.	57.79	30	29	16		28	170		2720	4760	223	50.43	49.32	0.50	8	PVC	0.010	716121	0.01	179030	0.03
51	46	Golden Willow Ave.	59.64	29	74	8		36	170		1360	6120	237	49.15	48.03	0.47	8	PVC	0.010	697770	0.01	174442	0.04
46	52	Golden Willow Ave.	58.30	74	1	12		48	170		2040	8160	251	47.98	46.59	0.55	8	PVC	0.010	755350	0.01	188837	0.04
52	47	Golden Willow Ave.	58.00	1	21	0		286	170		0	48620	183	46.52	45.75	0.42	12	PVC	0.010	1941216	0.03	485304	0.10
52	52	Springlawn Dr.	72.81	15	14	10		10	170		1700	1700	325.5	64.44	62.62	0.56	8	PVC	0.010	758993	0.00	189748	0.01
52	52	Springlawn Dr.	70.50	14	13	12		22	170		2040	3740	330	62.61	60.67	0.59	8	PVC	0.010	778254	0.00	194563	0.02
52	52	Springlawn Dr.	68.09	13	12	4		26	170		680	4420	170.5	60.65	59.87	0.46	8	PVC	0.010	686535	0.01	171634	0.03
52	52	Springlawn Dr.	67.02	12	8	4		30	170		680	5100	125	59.87	59.28	0.47	8	PVC	0.010	697346	0.01	174337	0.03
52	52	Springlawn Dr.	65.80	8	7	1		31	170		170	5270	37	59.11	58.87	0.65	8	PVC	0.010	817490	0.01	204372	0.03
52	52	Springlawn Dr.	65.54	7	6	10		41	170		1700	6970	260	58.87	52.87	2.31	8	PVC	0.010	1541936	0.00	385484	0.02
52	52	Springlawn Dr.	60.54	6	4	3		44	170		510	7480	134	52.87	49.16	2.77	8	PVC	0.010	1688931	0.00	422233	0.02
52	52	Fernlands Ct.	61.70	5	4	7		7	170		1190	1190	203	53.66	49.16	2.22	8	PVC	0.010	1511248	0.00	377812	0.00
52	47	Springlawn Dr.	57.61	4	21	4		55	170		680	9350	200	49.16	47.48	0.84	8	PVC	0.010	930287	0.01	232572	0.04
47	47	Spring Meadow Dr.	55.28	21	19	0		341	170		0	57970	210	45.67	43.24	1.16	12	PVC	0.010	3219197	0.02	804799	0.07
47	47	Spring Meadow Dr.	50.14	19	18	0		341	170		0	57970	169.5	43.17	40.56	1.54	12	PVC	0.010	3713552	0.02	928388	0.06
47	47	Jade Lawns Dr.		18	12	0		341	170		0	57970	37.5	40.45	40.07	1.01	8	PVC	0.010	1021771	0.06	255443	0.23

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Green Willows Dr.	53.30	17	15	8		8	170		1360	1360	81	45.95	43.79	2.67	8	PVC	0.010	1657532	0.00	414383	0.00
47	47	Green Willows Dr.	50.98	16	15	8		8	170		1360	1360	140	44.54	43.79	0.54	8	PVC	0.010	742923	0.00	185731	0.01
47	47	Green Willows Dr.	52.22	15	13	4		20	170		680	3400	142	43.79	42.42	0.96	8	PVC	0.010	996996	0.00	249249	0.01
47	47	Green Willows Dr.	49.92	14	13	8		8	170		1360	1360	172	43.67	42.38	0.75	8	PVC	0.010	879039	0.00	219760	0.01
47	47	Green Willows Dr.	50.73	13	12	4		32	170		680	5440	154	42.32	40.97	0.88	8	PVC	0.010	950351	0.01	237588	0.02
47	47	Jade Lawns Dr.	50.74	12	10	0		373	170		0	63410	69	40.07	39.33	1.07	12	PVC	0.010	3099170	0.02	774793	0.08
47	47	Jade Lawns Dr.	49.15	11	10	10		10	170		1700	1700	240.5	42.18	39.43	1.14	8	PVC	0.010	1085391	0.00	271348	0.01
47	47	Jade Lawns Dr.	50.70	10	7	16		399	170		2720	67830	355.5	39.19	38.31	0.25	12	PVC	0.010	1488935	0.05	372234	0.18
47	47	Greenlawns Dr.	49.63	1	2	12		12	170		2040	2040	190.5	42.93	42.04	0.47	8	PVC	0.010	693785	0.00	173446	0.01
47	47	Greenlawns Dr.	48.72	2	4	20		32	170		3400	5440	357	41.98	40.61	0.38	8	PVC	0.010	628787	0.01	157197	0.03
47	47	Greenlawns Dr.	45.69	5	4	8		8	170		1360	1360	140	41.22	40.68	0.39	8	PVC	0.010	630391	0.00	157598	0.01
47	47	Silverlawns Dr.	46.45	4	6	0		40	170		0	6800	219.5	40.57	39.51	0.48	8	PVC	0.010	705364	0.01	176341	0.04
47	47	Silverlawns Dr.	46.80	6	7	12		52	170		2040	8840	226	39.28	38.38	0.40	8	PVC	0.010	640537	0.01	160134	0.06
52	52	Morningside Ct.	70.80	25	24	3		3	170		510	510	217	61.94	59.45	1.15	8	PVC	0.010	1087295	0.00	271824	0.00
52	52	Morningside Ct.	67.82	24	23	0		3	170		0	510	42	59.39	58.89	1.19	8	PVC	0.010	1107485	0.00	276871	0.00
52	52	Morningside Ct.	67.30	23	22	2		5	170		340	850	129	58.80	56.91	1.47	8	PVC	0.010	1228608	0.00	307152	0.00
52	52	Morningside Ct.	65.28	22	21	2		7	170		340	1190	57	56.78	55.92	1.51	8	PVC	0.010	1246778	0.00	311695	0.00
52	52	Morningside Ct.	64.00	21	20	4		11	170		680	1870	241	55.88	49.50	2.65	8	PVC	0.010	1651503	0.00	412876	0.00
52	52	Morningside Ct.	71.92	28	27	1		1	3000		3000	3000	172	62.64	60.06	1.50	8	PVC	0.010	1243149	0.00	310787	0.01
52	52	Morningside Ct.	70.43	27	26	0		1	170		0	3000	155	59.96	57.79	1.40	8	PVC	0.010	1200996	0.00	300249	0.01
52	52	Morningside Ct.	Buried	26	20	0		1	170		0	3000	185	57.69	49.52	4.42	8	PVC	0.010	2133058	0.00	533264	0.01
52	47	Morningside Ct.	56.10	20	9	8		20	170		1360	6230	231	49.48	42.78	2.90	8	PVC	0.010	1728657	0.00	432164	0.01
47	47	Morningside Ct.	50.46	9	8	0		20	170		0	6230	216.5	42.68	41.19	0.69	8	PVC	0.010	842057	0.01	210514	0.03
47	47	Silverlawns Dr.	48.79	8	7	4		24	170		680	6910	189	41.00	38.34	1.41	8	PVC	0.010	1204169	0.01	301042	0.02
47	47	Silverlawns Dr.	47.38	7	22	0		475	170		0	83580	316	38.13	37.08	0.33	12	PVC	0.010	1725064	0.05	431266	0.19
47	47	Summerwinds Dr.	45.61	22	23	0		475	170		0	83580	104.5	37.00	36.71	0.28	12	PVC	0.010	1576504	0.05	394126	0.21
52	52	EverGreen Springs Dr.	70.47	73	72	8		8	170		1360	1360	239	64.34	63.15	0.50	8	PVC	0.010	716229	0.00	179057	0.01
52	52	EverGreen Springs Dr.	69.26	72	71	2		10	170		340	1700	55	62.98	62.75	0.42	8	PVC	0.010	656387	0.00	164097	0.01
52	52	EverGreen Springs Dr.	68.96	71	70	4		14	170		680	2380	164	62.67	61.93	0.45	8	PVC	0.010	681823	0.00	170456	0.01
52	52	Lilac Springs Ct.	73.84	74	70	14		14	170		2380	2380	343	65.78	61.93	1.12	8	PVC	0.010	1075377	0.00	268844	0.01
52	52	EverGreen Springs Dr.	72.05	70	69	5		33	170		850	5610	208	61.77	60.47	0.63	8	PVC	0.010	802449	0.01	200612	0.03
52	52	EverGreen Springs Dr.	76.52	69	68	2		35	170		340	5950	66	60.33	59.96	0.56	8	PVC	0.010	759987	0.01	189997	0.03
52	52	EverGreen Springs Dr.	74.89	68	66	13		48	170		2210	8160	330	59.83	57.97	0.56	8	PVC	0.010	762039	0.01	190510	0.04
52	52	EverGreen Springs Dr.	66.46	67	66	2		2	170		340	340	74	58.41	58.04	0.50	8	PVC	0.010	717732	0.00	179433	0.00
52	52	EverGreen Springs Dr.	68.17	66	65	1		51	170		170	8670	71	57.88	57.57	0.44	8	PVC	0.010	670701	0.01	167675	0.05
52	52	April Springs Ct.	67.00	65	64	4		55	170		680	9350	187	57.49	56.41	0.58	8	PVC	0.010	771380	0.01	192845	0.05
52	52	April Springs Ct.	65.01	64	62	1		56	170		170	9520	47	56.34	56.09	0.53	8	PVC	0.010	740284	0.01	185071	0.05

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
52	52	April Springs Ct.	73.60	63	62	14		14	170		2380	2380	340	65.96	56.09	2.90	8	PVC	0.010	1729404	0.00	432351	0.01
52	52	April Springs Ct.	64.73	62	61	1		71	170		170	12070	137	56.00	55.27	0.53	8	PVC	0.010	740932	0.02	185233	0.07
52	52	Offroad	67.23	61	60	5		76	170		850	12920	292	55.16	53.78	0.47	8	PVC	0.010	697791	0.02	174448	0.07
52	52	Brightwinds Ct.	65.60	60	59	7		83	170		1190	14110	174	53.68	53.04	0.37	8	PVC	0.010	615592	0.02	153898	0.09
52	52	Brightwinds Ct.	66.61	59	58	4		87	170		680	14790	93	52.75	52.34	0.44	8	PVC	0.010	673950	0.02	168488	0.09
52	52	Brightwinds Ct.	66.56	58	57	4		91	170		680	15470	174.5	52.19	51.36	0.48	8	PVC	0.010	700033	0.02	175008	0.09
52	52	Summerwinds Dr.	65.08	57	56	2		93	170		340	15810	51.5	51.24	51.03	0.41	8	PVC	0.010	648162	0.02	162040	0.10
52	52	Summerwinds Dr.	64.29	56	55	9		102	170		1530	17340	265	50.88	49.64	0.47	8	PVC	0.010	694329	0.02	173582	0.10
52	47	Summerwinds Dr.	59.16	55	26	12		114	170		2040	19380	300	49.42	40.38	3.01	8	PVC	0.010	1761980	0.01	440495	0.04
																	8						
47	47	Star Winds Ct.	51.74	27	26	5		5	170		850	850	211	43.26	40.21	1.45	8	PVC	0.010	1220355	0.00	305089	0.00
47	47	Summerwinds Dr.	48.79	26	25	9		128	170		1530	21760	238	40.12	38.65	0.62	8	PVC	0.010	797715	0.03	199429	0.11
47	47	Summerwinds Dr.	45.54	25	24	4		132	170		680	22440	151	38.59	37.65	0.62	8	PVC	0.010	800853	0.03	200213	0.11
47	47	Summerwinds Dr.	45.35	24	23	0		132	170		0	22440	153.5	37.59	37.01	0.38	8	PVC	0.010	623932	0.04	155983	0.14
47	47	Summerwinds Dr.	45.71	23	28	1		608	170		170	106190	72	36.71	36.58	0.18	12	PVC	0.010	1271626	0.08	317907	0.33
47	47	Summerwinds Dr.	46.26	28	29	1		609	170		170	106360	120.5	36.58	36.33	0.21	12	PVC	0.010	1363109	0.08	340777	0.31
47	47	Amberwinds Ct.	48.34	31	30	4		4	170		680	680	120	41.20	40.39	0.68	8	PVC	0.010	833929	0.00	208482	0.00
47	47	Amberwinds Ct.	47.78	30	29	10		14	170		1700	2380	294.5	40.25	36.73	1.20	8	PVC	0.010	1109701	0.00	277425	0.01
47	47	Amberwinds Ct.	46.30	29	32	1		624	170		170	108910	83.5	36.29	36.04	0.30	12	PVC	0.010	1637498	0.07	409375	0.27
47	47	Amberwinds Ct.	46.36	32	33	7		631	170		1190	110100	183	36.02	35.45	0.31	12	PVC	0.010	1670190	0.07	417548	0.26
47	47	Summerwinds Dr.	45.21	33	34	2		633	170		340	110440	148.5	35.35	34.96	0.26	12	PVC	0.010	1533639	0.07	383410	0.29
47	47	Summerwinds Dr.	43.98	34	35	0		633	170		0	110440	141	34.86	34.23	0.45	12	PVC	0.010	2000391	0.06	500098	0.22
47	47	Summerwinds Dr.	42.94	35	36	1		634	170		170	110610	124	34.17	34.00	0.14	12	PVC	0.010	1108071	0.10	277018	0.40
47	47	Summerwinds Dr.	48.91	38	37	16		16	170		2720	2720	400	41.00	38.03	0.74	8	PVC	0.010	874633	0.00	218658	0.01
47	47	Summerwinds Dr.	46.39	37	36	3		19	170		510	3230	154.5	37.94	34.32	2.34	8	PVC	0.010	1553701	0.00	388425	0.01
47	47	Summerwinds Dr.	45.14	36	39	0		653	170		0	113840	89	34.00	33.39	0.69	12	PVC	0.010	2477559	0.05	619390	0.18
52	52	Victoria Ct.	74.02	83	82	11		11	170		1870	1870	179	66.62	62.63	2.23	8	PVC	0.010	1515435	0.00	378859	0.00
52	52	Victoria Ct.	69.89	82	81	0		11	170		0	1870	86	62.49	61.45	1.21	8	PVC	0.010	1116207	0.00	279052	0.01
52	52	Lionshead Woods Blvd.	68.51	81	78	1		12	2000		2000	3870	312	61.45	60.23	0.39	8	PVC	0.010	634717	0.01	158679	0.02
52	52	Arlene Ct.	76.25	80	79	11		11	170		1870	1870	230	68.90	64.07	2.10	8	PVC	0.010	1470913	0.00	367728	0.01
52	52	Arlene Ct.	71.17	79	78	0		11	170		0	1870	46	64.00	63.04	2.09	8	PVC	0.010	1466338	0.00	366585	0.01
52	52	Lionshead Woods Blvd.	70.38	78	80	5		28	170		850	6590	229	60.17	56.85	1.45	8	PVC	0.010	1222162	0.01	305540	0.02
52	47	Cloverdale Dr.	62.99	80	79	2		30	170		340	6930	61	56.85	55.74	1.82	8	PVC	0.010	1369222	0.01	342306	0.02
47	47	Cloverdale Dr.	61.73	79	76	6		36	170		1020	7950	190	54.90	51.53	1.77	8	PVC	0.010	1351810	0.01	337952	0.02
52	52	Gayle Ct.	69.74	77	76	15		15	170		2550	2550	253	61.92	57.81	1.62	8	PVC	0.010	1293713	0.00	323428	0.01
52	47	Lionshead Woods Blvd.	64.96	76	78	0		15	170		0	2550	86	56.57	54.94	1.90	8	PVC	0.010	1397404	0.00	349351	0.01
47	47	Lionshead Woods Blvd.	61.85	78	76	0		15	170		0	2550	117	53.53	50.44	2.64	8	PVC	0.010	1649543	0.00	412386	0.01
52	47	Kramer Ct.	62.65	75	77	8		8	170		1360	1360	185	55.38	53.12	1.22	8	PVC	0.010	1121878	0.00	280470	0.00
47	47	Kramer Ct.	59.48	77	76	2		10	170		340	1700	102.2	52.23	51.57	0.65	8	PVC	0.010	815688	0.00	203922	0.01
47	47	Lionshead Woods Blvd.	58.03	76	69	0		61	170		0	12200	223	50.36	45.00	2.40	8	PVC	0.010	1573647	0.01	393412	0.03

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Devon Ct.	54.20	71	70	7		7	170		1190	1190	135	48.60	46.88	1.27	8	PVC	0.010	1145710	0.00	286428	0.00
47	47	Devon Ct.	53.43	70	69	2		9	170		340	1530	90	46.88	45.00	2.09	8	PVC	0.010	1467017	0.00	366754	0.00
48	47	Woodshill Dr. S	72.44	12	75	14		14	170		2380	2380	219	65.25	59.52	2.62	8	PVC	0.010	1641847	0.00	410462	0.01
47	47	Woodshill Dr. S	64.37	75	74	3		17	170		510	2890	114	59.52	56.29	2.83	8	PVC	0.010	1708544	0.00	427136	0.01
47	47	Martine Way	64.78	74	73	8		25	170		1360	4250	220	56.29	55.44	0.39	8	PVC	0.010	630922	0.01	157730	0.03
47	47	Martine Way	62.42	73	72	8		33	170		1360	5610	236	55.44	50.61	2.05	8	PVC	0.010	1452095	0.00	363024	0.02
47	47	Martine Way	57.19	72	69	4		37	170		680	6290	132	50.61	44.92	4.31	8	PVC	0.010	2107398	0.00	526850	0.01
47	47	Lionshead Woods Blvd.	53.18	69	68	0		107	170		0	20020	110	44.80	43.85	0.86	8	PVC	0.010	943285	0.02	235821	0.08
47	47	Lionshead Woods Blvd.	51.72	68	63	0		107	170		0	20020	128	43.85	42.70	0.90	8	PVC	0.010	962103	0.02	240526	0.08
48	47	Jean St.	67.23	11	67	12		12	170		2040	2040	248	60.40	59.22	0.48	8	PVC	0.010	700152	0.00	175038	0.01
47	47	Lionshead Woods Blvd.	63.95	67	66	0		12	170		0	2040	35	59.17	58.48	1.97	8	PVC	0.010	1425174	0.00	356294	0.01
47	47	Lionshead Woods Blvd.	63.93	66	65	4		16	170		680	2720	181	58.48	53.34	2.84	8	PVC	0.010	1710487	0.00	427622	0.01
47	47	Sailors Way	60.12	65	64	12		28	170		2040	4760	257	53.34	45.24	3.15	8	PVC	0.010	1801994	0.00	450499	0.01
47	47	Sailors Way	52.51	64	63	5		33	170		850	5610	214	45.24	42.82	1.13	8	PVC	0.010	1079390	0.01	269847	0.02
47	47	Lionshead Woods Blvd.	50.21	63	61	0		140	170		0	25630	35	42.70	42.54	0.46	8	PVC	0.010	686283	0.04	171571	0.15
47	47	Arden Ct.	50.81	62	61	9		9	170		1530	1530	155	43.74	42.74	0.65	8	PVC	0.010	815289	0.00	203822	0.01
47	47	Lionshead Woods Blvd.	49.95	61	60	0		149	170		0	27160	164	42.74	41.99	0.46	8	PVC	0.010	686414	0.04	171604	0.16
47	47	Lionshead Woods Blvd.	50.04	60	46	0		149	170		0	27160	94	41.99	41.68	0.33	8	PVC	0.010	582900	0.05	145725	0.19
47	47	Woodshill Dr. N	67.13	59	58	10		10	170		1700	1700	174	60.92	59.09	1.05	8	PVC	0.010	1040946	0.00	260237	0.01
47	47	Lionshead Woods Blvd.	65.99	58	57	5		15	170		850	2550	131	59.09	56.38	2.07	8	PVC	0.010	1459911	0.00	364978	0.01
47	47	Marni Dr.	63.11	57	56	3		18	170		510	3060	141	55.90	54.22	1.19	8	PVC	0.010	1107956	0.00	276989	0.01
47	47	Marni Dr.	60.51	56	51	5		23	170		850	3910	182	54.17	51.25	1.60	8	PVC	0.010	1285681	0.00	321420	0.01
47	47	Chaucer Ct.	63.56	55	54	6		6	170		1020	1020	62	57.32	57.10	0.35	8	PVC	0.010	604635	0.00	151159	0.01
47	47	Chaucer Ct.	63.67	54	53	6		12	170		1020	2040	172	57.10	56.42	0.40	8	PVC	0.010	638216	0.00	159554	0.01
47	47	Lionshead Woods Blvd.	62.54	53	51	0		12	170		0	2040	178	56.42	51.98	2.49	8	PVC	0.010	1603094	0.00	400773	0.01
47	47	Maple Crest Dr. S	58.28	52	51	8		8	170		1360	1360	39	51.47	51.25	0.56	8	PVC	0.010	762354	0.00	190588	0.01
47	47	Lionshead Woods Blvd.	58.45	51	48	0		43	170		0	7310	240	51.15	44.31	2.85	8	PVC	0.010	1713562	0.00	428391	0.02
47	47	Petty Place	52.90	49	48	8		8	170		1360	1360	152	45.02	44.42	0.39	8	PVC	0.010	637722	0.00	159430	0.01

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
47	47	Joseph Dr.	52.34	50	48	8		8	170		1360	1360	139	45.24	44.27	0.70	8	PVC	0.010	847922	0.00	211980	0.01
47	47	Lionshead Woods Blvd.	51.25	48	47	0		59	170		0	10030	65	44.19	43.71	0.74	8	PVC	0.010	872251	0.01	218063	0.05
47	47	Lionshead Woods Blvd.	50.71	47	46	0		59	170		0	10030	112	43.71	42.56	1.03	8	PVC	0.010	1028531	0.01	257133	0.04
47	47	Lionshead Woods Blvd.	49.65	46	45	2		210	170		340	37530	130	41.61	41.18	0.33	8	PVC	0.010	583768	0.06	145942	0.26
47	47	Maple Crest Dr. N	50.49	45	44	11		221	170		1870	39400	229	41.18	40.13	0.46	8	PVC	0.010	687313	0.06	171828	0.23
47	47	Maple Crest Dr. N	50.18	44	43	0		221	170		0	39400	155	40.13	39.58	0.35	8	PVC	0.010	604635	0.07	151159	0.26
47	47	Offroad	50.36	43	39	0		221	170		0	39400	266	39.58	33.76	2.19	8	PVC	0.010	1501406	0.03	375351	0.10
47	47	Offroad	46.26	39	40	0		874	170		0	153240	328	33.39	30.26	0.95	12	PVC	0.010	2923408	0.05	730852	0.21
47	47	Offroad	43.44	40	41	0		874	170		0	153240	334	30.26	28.71	0.46	12	PVC	0.010	2038669	0.08	509667	0.30
47	47	Offroad	43.59	41	42	0		874	170		0	153240	247	28.71	27.56	0.47	12	PVC	0.010	2041994	0.08	510499	0.30
47	41	Offroad	43.13	42	22	0		874	170		0	153240	402	27.56	26.23	0.33	12	PVC	0.010	1721341	0.09	430335	0.36
41	41	Offroad	43.23	22	23	0		874	170		0	153240	340	26.23	25.16	0.31	12	PVC	0.010	1678829	0.09	419707	0.37
41	41	Offroad	40.85	23	24	0		874	170		0	153240	302	25.04	24.61	0.14	16	PVC	0.010	2431951	0.06	607988	0.25
41	41	Offroad	38.32	24	25	0		874	170		0	153240	155	24.61	24.38	0.15	16	DIP	0.013	1909760	0.08	477440	0.32
41	41	Offroad	37.47	25	26	0		874	170		0	153240	295	24.38	23.70	0.23	16	DIP	0.013	2380259	0.06	595065	0.26
41	41	Offroad	36.24	26	27	0		874	170		0	153240	337	23.70	23.08	0.18	16	DIP	0.013	2126482	0.07	531620	0.29
41	42	Offroad	36.54	27	1	0		874	170		0	153240	400	23.08	22.44	0.16	16	DIP	0.013	1983082	0.08	495771	0.31
42	42	Offroad	36.59	1	2	0		874	170		0	153240	399	22.44	21.67	0.19	16	DIP	0.013	2177909	0.07	544477	0.28
42	42	Offroad	31.46	2	3	0		874	170		0	153240	401	21.67	20.33	0.33	16	DIP	0.013	2865899	0.05	716475	0.21
42	42	Offroad	31.69	3	4	0		874	170		0	153240	392	20.33	18.60	0.44	16	DIP	0.013	3293523	0.05	823381	0.19
52	53	Greylawn Dr.	56.72	98	24	20		20	170		3400	3400	302	50.24	48.77	0.49	8	PVC	0.010	708162	0.00	177041	0.02
53	53	Greylawn Dr.	53.83	24	23	4		24	170		680	4080	155	48.66	47.95	0.46	8	PVC	0.010	686975	0.01	171744	0.02
53	53	Goldenedge Way	55.87	23	22	1		25	170		170	4250	98	47.88	47.45	0.44	8	PVC	0.010	672355	0.01	168089	0.03
53	53	Goldenedge Way	53.36	22	21	3		28	170		510	4760	184	47.37	46.68	0.37	8	PVC	0.010	621574	0.01	155394	0.03
53	53	Goldenedge Way	53.21	21	20	6		34	170		1020	5780	260	46.61	45.58	0.40	8	PVC	0.010	638865	0.01	159716	0.04
53	53	Goldenedge Way	53.72	20	19	6		40	170		1020	6800	160	45.53	44.92	0.38	8	PVC	0.010	626733	0.01	156683	0.04
53	53	Goldenedge Way	56.41	19	15	3		43	170		510	7310	178	44.86	44.15	0.40	8	PVC	0.010	641057	0.01	160264	0.05
52	52	Silverside Rd.	62.93	99	100	12		12	170		2040	2040	223	56.76	55.72	0.47	8	PVC	0.010	693173	0.00	173293	0.01
52	52	Silverside Rd.	68.29	100	101	16		28	170		2720	4760	238	55.60	54.53	0.45	8	PVC	0.010	680583	0.01	170146	0.03
52	53	Silverside Rd.	64.69	101	18	8		36	170		1360	6120	321	54.33	52.81	0.47	8	PVC	0.010	698468	0.01	174617	0.04
53	53	Silverside Rd.	65.71	18	17	15		51	170		2550	8670	397	52.52	50.29	0.56	8	PVC	0.010	760737	0.01	190184	0.05
53	53	Silverside Rd.	61.95	17	16	3		54	170		510	9180	75	50.28	50.00	0.37	8	PVC	0.010	620192	0.01	155048	0.06
53	53	Silverside Rd.	61.30	16	15	5		59	170		850	10030	165	49.75	49.03	0.44	8	PVC	0.010	670505	0.01	167626	0.06
53	53	Silverside Rd.	59.76	15	14	6		108	170		1020	18360	212	44.15	43.24	0.43	8	PVC	0.010	665013	0.03	166253	0.11
53	53	Silverside Rd.	57.43	14	13	3		111	170		510	18870	176	43.15	42.24	0.52	8	PVC	0.010	729864	0.03	182466	0.10
53	53	Offroad	53.35	13	12	0		111	170		0	18870	123	42.19	41.64	0.45	8	PVC	0.010	678744	0.03	169686	0.11
53	53	Offroad	55.76	12	11	0		111	170		0	18870	126.3	41.56	40.98	0.46	8	PVC	0.010	687844	0.03	171961	0.11
53	53	Four Seasons Dr.	46.14	11	10	0		1520	170		0	268864	95	40.98	40.60	0.40	12	PVC	0.010	1892710	0.14	473178	0.57
53	53	Offroad	?	10	9	0		1520	170		0	268864	295	40.60	39.58	0.35	12	PVC	0.010	1759718	0.15	439930	0.61
53	53	Offroad	45.84	9	7	0		1520	170		0	268864	147	39.58	39.25	0.22	12	PVC	0.010	1417922	0.19	354481	0.76
53	53	Deanne Dr.	46.38	8	7	6		6	170		1020	1020	170	41.48	39.26	1.31	8	PVC	0.010	1159924	0.00	289981	0.00
53	53	Deanne Dr.	42.48	7	5	0		1526	170		0	269884	77	39.21	39.01	0.26	12	PVC	0.010	1525189	0.18	381297	0.71

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
53	53	Deanne Dr.	53.22	1	2	6		6	170		1020	1020	105	47.29	44.73	2.44	8	PVC	0.010	1584903	0.00	396226	0.00
53	53	Deanne Dr.	50.58	2	3	0		6	170		0	1020	101	44.73	40.86	3.83	8	PVC	0.010	1986883	0.00	496721	0.00
53	53	Lionshead Woods Blvd.	47.53	3	4	0		6	170		0	1020	129	40.75	40.06	0.53	8	PVC	0.010	742347	0.00	185587	0.01
48	48	Buttonwood Ct.	68.70	16	17	14		14	170		2380	2380	269	60.55	58.90	0.61	8	PVC	0.010	794956	0.00	198739	0.01
48	48	Buttonwood Ct.	67.69	17	18	0		14	170		0	2380	192	58.87	54.74	2.15	8	PVC	0.010	1488682	0.00	372170	0.01
48	48	Nicole Ct.	59.47	18	19	4		18	170		680	3060	79	54.74	51.84	3.67	8	PVC	0.010	1944746	0.00	486186	0.01
48	48	Nicole Ct.	59.71	19	20	12		30	170		2040	5100	371	51.84	43.96	2.12	8	PVC	0.010	1479291	0.00	369823	0.01
48	53	Nicole Ct.	52.35	20	4	0		30	170		0	5100	201	43.96	40.06	1.94	8	PVC	0.010	1413877	0.00	353469	0.01
53	53	Lionshead Woods Blvd.	47.38	4	5	0		36	170		0	6120	225	40.06	39.11	0.42	8	PVC	0.010	659550	0.01	164888	0.04
53	53	Lionshead Woods Blvd.	42.28	5	6	0		1562	170		0	276004	63	39.01	38.86	0.24	12	PVC	0.010	1460258	0.19	365064	0.76
53	48	Lionshead Woods Blvd.	45.22	6	36	8		1570	170		1360	277364	125	38.86	38.54	0.26	12	PVC	0.010	1514168	0.18	378542	0.73
48	48	Raymond Ct.	48.39	36	35	3		1573	170		510	277874	247	38.54	37.95	0.24	12	PVC	0.010	1462620	0.19	365655	0.76
48	48	Taylor Ct.	43.16	35	34	0		1573	170		0	277874	154	37.95	37.52	0.28	12	PVC	0.010	1581350	0.18	395337	0.70
48	48	Taylor Ct.	51.37	34	33	0		1573	170		0	277874	55	37.52	37.32	0.36	12	PVC	0.010	1804628	0.15	451157	0.62
48	48	Taylor Ct.	42.39	39	37	6		6	170		1020	1020	101	38.54	37.80	0.73	8	PVC	0.010	868826	0.00	217206	0.00
48	48	Taylor Ct.	43.51	38	37	0		0	170		0	0	149	38.35	37.80	0.37	8	PVC	0.010	616688	0.00	154172	0.00
48	48	Taylor Ct.	45.74	37	33	0		6	170		0	1020	47	37.80	37.53	0.57	8	PVC	0.010	769326	0.00	192331	0.01
48	48	Taylor Ct.	52.28	33	32	0		1579	170		0	278894	336	37.32	35.88	0.43	12	PVC	0.010	1959141	0.14	489785	0.57
48	48	Topaz Ct.	60.10	32	31	1		1580	170		170	279064	270	35.88	35.09	0.29	12	PVC	0.010	1618772	0.17	404693	0.69
48	48	Crown Circle	58.02	31	30	2		1582	170		340	279404	175	35.09	34.54	0.31	12	PVC	0.010	1677708	0.17	419427	0.67
48	48	Crown Circle	56.41	30	29	2		1584	170		340	279744	157	34.54	34.09	0.29	12	PVC	0.010	1602177	0.17	400544	0.70
48	48	Crown Circle	51.33	29	4	4		1588	170		680	280424	222	34.09	33.45	0.29	12	PVC	0.010	1606821	0.17	401705	0.70
48	48	Crown Circle	60.44	28	27	3		3	170		510	510	87	53.21	52.66	0.63	8	PVC	0.010	807048	0.00	201762	0.00
48	48	Crown Circle	60.68	27	26	6		9	170		1020	1530	307	52.62	50.69	0.63	8	PVC	0.010	804798	0.00	201200	0.01
48	48	Topaz Lane	58.55	26	24	5		14	170		850	2380	201	50.61	49.21	0.70	8	PVC	0.010	847117	0.00	211779	0.01
48	48	Ruby Ct.	58.24	25	24	4		4	170		680	680	170	50.28	49.38	0.53	8	PVC	0.010	738540	0.00	184635	0.00
48	48	Topaz Lane	57.42	24	23	2		20	170		340	3400	160	49.16	48.23	0.58	8	PVC	0.010	773854	0.00	193463	0.02
48	48	Topaz Lane	55.35	23	22	1		21	170		170	3570	65	48.13	47.64	0.75	8	PVC	0.010	881290	0.00	220322	0.02
48	48	Topaz Lane	55.56	22	21	1		22	170		170	3740	47	47.61	47.35	0.55	8	PVC	0.010	754945	0.00	188736	0.02
48	48	Topaz Lane	55.80	21	13	3		25	170		510	4250	260	47.30	45.76	0.59	8	PVC	0.010	781180	0.01	195295	0.02
48	48	Crown Circle	56.77	15	14	8		8	170		1360	1360	325	48.92	47.30	0.50	8	PVC	0.010	716627	0.00	179157	0.01
48	48	Crown Circle	55.43	14	13	7		15	170		1190	2550	300	47.08	45.58	0.50	8	PVC	0.010	717732	0.00	179433	0.01
48	48	Crown Circle	57.72	13	10	0		40	170		0	6800	96	45.58	45.22	0.37	8	PVC	0.010	621574	0.01	155394	0.04
48	48	Crown Circle	59.38	10	9	2		42	170		340	7140	317	45.19	43.83	0.43	8	PVC	0.010	664840	0.01	166210	0.04
48	48	Crown Circle	54.66	9	8	5		47	170		850	7990	234	43.80	42.69	0.47	8	PVC	0.010	699087	0.01	174772	0.05
48	48	Crown Circle	49.63	8	7	1		48	170		170	8160	150	42.66	41.99	0.45	8	PVC	0.010	678374	0.01	169594	0.05
48	48	Crown Circle	51.99	7	6	3		51	170		510	8670	225	41.93	40.86	0.48	8	PVC	0.010	699968	0.01	174992	0.05
48	48	Crown Circle	52.68	6	5	1		52	170		170	8840	140	40.77	40.14	0.45	8	PVC	0.010	680901	0.01	170225	0.05
48	48	Crown Circle	52.29	5	4	1		53	170		170	9010	109	40.12	39.71	0.38	8	PVC	0.010	622524	0.01	155631	0.06
48	48	Crown Circle	53.47	4	3	1		1642	170		170	289604	171	33.45	32.77	0.40	12	PVC	0.010	1887168	0.15	471792	0.61
48	48	Offroad	55.12	3	2	1		1643	170		170	289774	150	32.77	31.65	0.75	12	PVC	0.010	2585934	0.11	646484	0.45
48	48	Shorrock St.	54.53	2	1	0		1643	170		0	289774	325	31.65	30.46	0.37	12	PVC	0.010	1810864	0.16	452716	0.64
48	42	Shorrock St.	50.12	1	10	0		1643	170		0	289774	365	30.46	29.04	0.39	12	PVC	0.010	1866603	0.16	466651	0.62
42	42	Shorrock St.	44.30	10	9	0		1643	170		0	289774	355	29.04	27.55	0.42	12	PVC	0.010	1938800	0.15	484700	0.60
42	42	Shorrock St.	46.87	9	8	0		1643	170		0	289774	345	27.55	25.75	0.52	12	PVC	0.010	2161627	0.13	540407	0.54
42	42	Shorrock St.	43.05	8	7	0		1643	170		0	289774	345	25.75	24.29	0.42	12	PVC	0.010	1946798	0.15	486700	0.60
42	42	Shorrock St.	39.18	7	6	0		1643	170		0	289774	352	24.29	21.76	0.72	12	PVC	0.010	2537132	0.11	634283	0.46
42	42	Shorrock St.	35.11	6	4	0		1643	170		0	289774	265	21.76	19.04	1.03	12	PVC	0.010	3031905	0.10	757976	0.38
42	42	Shorrock St.	27.94	4	5	0		2517	170		0	443014	210	19.04	16.93	1.00	18	DIP	0.013	6803291	0.07	1700823	0.26
42	36	Shorrock St.	27.06	5	22	0		2517	170		0	443014	114	16.93	16.45	0.42	18	DIP	0.013	4404085	0.10	1101021	0.40
36	36	Shorrock St.	26.35	22	21	0		2517	170		0	443014	66	16.04	15.81	0.35	24	DIP	0.013	8628780	0.05	2157195	0.21
36	36	Shorrock St.	25.15	21	20	0		2517	170		0	443014	191	15.81	15.50	0.16	24	DIP	0.013	5888729	0.08	1472182	0.30
					OCUA																		

SHEET	SHEET	LOCATION	RIM	FROM	TO	Units	Buildout Units	TOTAL Units	INFLOW	Buildout Flow	Total I	Units X I	SANITARY SEWER PROFILE				PIPE INFORMATION						
No.	No.		ELEV.	MH No.	MH No.	QUAN.	QUAN.	QUAN.	GPD	GPD	GPD	GPD	L (FT.)	INV IN	INV OUT	SLOPE (%)	DIA. (IN.)	TYPE	n	CAP. FULL	AVG.% FULL	0.25 CAP.	AVG.% ALLOW
36	36	ROUTE 70	38.69	26	27	2		2	2000		4000	4000	154	32.28	31.36	0.60	8	PVC	0.010	784533	0.01	196133	0.02
36	36	ROUTE 70	39.02	27	26	1		3	4000		4000	8000	40	31.28	31.08	0.50	8	PVC	0.010	717732	0.01	179433	0.04
36	36	ROUTE 70	39.35	35	36	1		1	2000		2000	2000	140	33.55	32.53	0.73	8	PVC	0.010	866390	0.00	216598	0.01
36	35	ROUTE 70	38.61	36	28	0		1	2000		0	2000	272	32.43	31.08	0.50	8	PVC	0.010	715089	0.00	178772	0.01
35	36	ROUTE 70	38.90	28	29	0		4	2000		0	10000	54	31.00	30.67	0.61	8	PVC	0.010	793483	0.01	198371	0.05
36	36	ROUTE 70	39.27	29	30	0		4	2000		0	10000	61	30.67	30.42	0.41	8	PVC	0.010	649804	0.02	162451	0.06
36	36	ROUTE 70	41.95	30	31	0		4	2000		0	10000	143	30.40	29.37	0.72	8	PVC	0.010	861446	0.01	215361	0.05
36	36	ROUTE 70	42.28	31	32	0		4	2000		0	10000	61	29.32	29.05	0.44	8	PVC	0.010	675296	0.01	168824	0.06
36	36	PARKING LOT	41.05	32	33	0		4	2000		0	10000	199	28.97	27.04	0.97	8	PVC	0.010	999608	0.01	249902	0.04
36	36		39.24	33	34	0		4	2000		0	10000	59	26.89	26.20	1.17	8	PVC	0.010	1097681	0.01	274420	0.04
36	35		37.88	34	8	0		4	2000		0	10000	40	26.13	25.81	0.80	8	PVC	0.010	907867	0.01	226967	0.04
35	35		38.01	8	12	0		4	2000		0	10000	74	25.76	25.42	0.46	8	PVC	0.010	688020	0.01	172005	0.06
35	35		37.74	12	17	0		4	2000		0	10000	261	25.36	24.01	0.52	8	PVC	0.010	730002	0.01	182501	0.05
35	35		37.27	17	18	0		4	2000		0	10000	377	23.91	22.22	0.45	8	PVC	0.010	679595	0.01	169899	0.06
35	35		36.32	18	19	0		4	2000		0	10000	396	22.17	20.30	0.47	8	PVC	0.010	697510	0.01	174378	0.06
35	35		34.90	19	-	0		4	2000		0	10000	168	20.20	19.60	0.36	8	PVC	0.010	606594	0.02	151649	0.07
35	35		35.00	-	-	0		4	2000		0	10000	153	19.50	18.88	0.41	8	PVC	0.010	646141	0.02	161535	0.06
35	41		32.78	-	17	0		4	2000		0	10000	34	18.78	17.83	2.79	8	PVC	0.010	1696679	0.01	424170	0.02
					OCUA																		

Appendix D – Maps

Master Sewer System Plan – Future

Sewer System Plan – Existing

Zoning Map

Greenways Protection Areas Map

Land Use Map

Infiltration and Inflow Basin Map

Legend

- Sewer Lines with Insufficient Capacity at Minimum Buildout Conditions
- Sewer
- Additional Sewer Lines with Insufficent Capacity at Maximum Buildout Conditions

11 Tindall Road
Middletown, NJ 07748-2792
Phone: 732-671-6400
Fax: 732-671-7365

0 800 1,600 3,200 Feet

Prepared by: RED, 06-23-14
Source: ESRI, NJDEP, NJDOT, Lakewood MUA, T&M Associates
File Path: H:\LKMU\00080\Plans\Basemaps\MONLOC.mxd

N

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Master Sewer Plan - Future
Lakewood Township
Ocean County, New Jersey

11 Tindall Road
Middletown, NJ 07748-2792
Phone: 732-671-6400
Fax: 732-671-7365

0 800 1,600 3,200
Feet

Prepared by: RED, 06-23-14
Source: ESRI, NJDEP, NJDOT, Lakewood MUA, T&M Associates
File Path: H:\LKMU\00080\Plans\Basemaps\MONLOC.mxd

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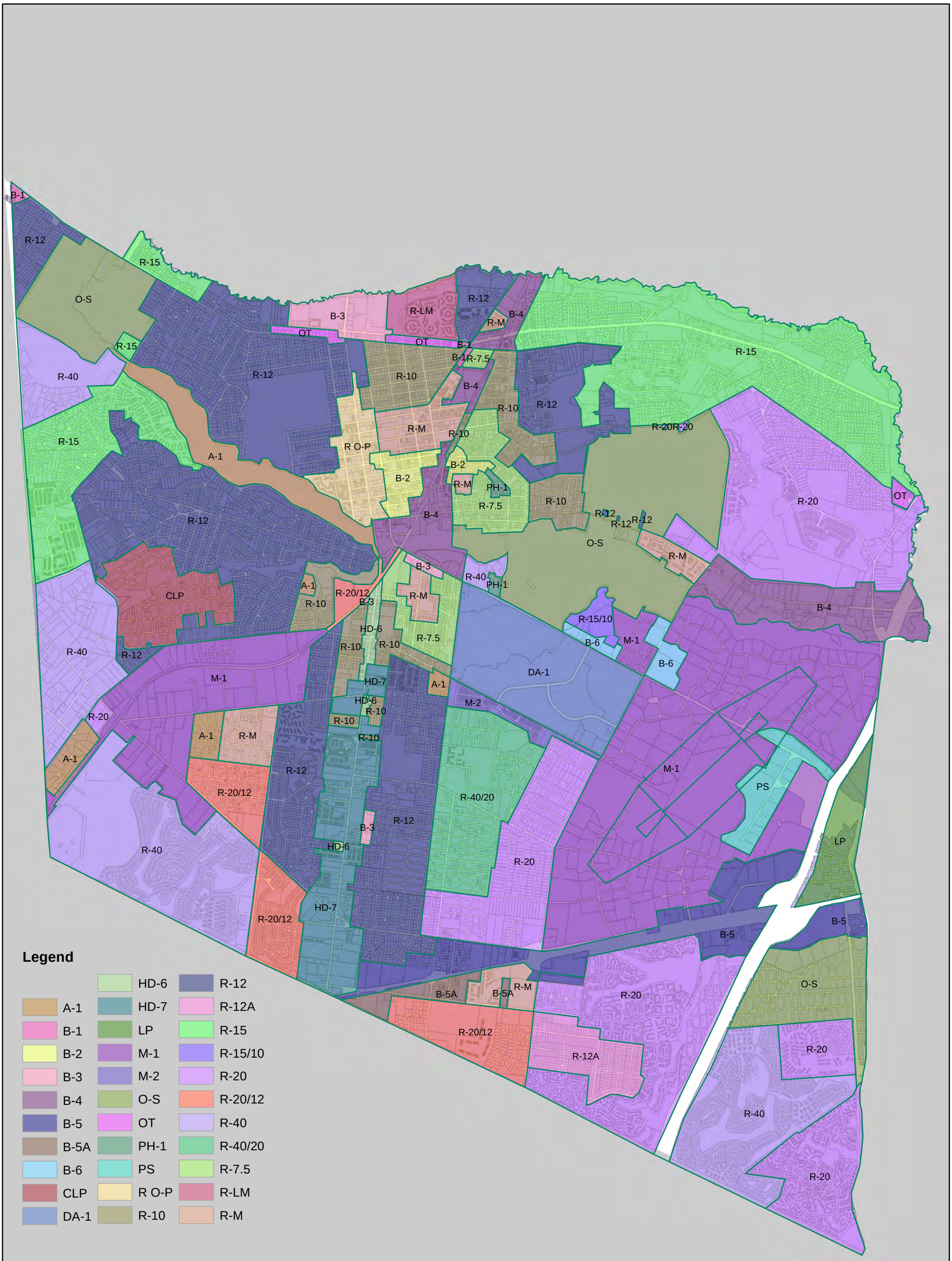
Existing Sewers
Lakewood Township
Ocean County, New Jersey



Legend

A-1	HD-6	R-12
B-1	HD-7	R-12A
B-2	LP	R-15
B-3	M-1	R-15/10
B-4	M-2	R-20
B-5	O-S	R-20/12
B-5A	OT	R-40
B-6	PH-1	R-40/20
CLP	PS	R-7.5
DA-1	R O-P	R-LM
	R-10	R-M

11 Tindall Road
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Zoning Map
Lakewood Township
Ocean County, New Jersey

User Name: RBS
Date: 3/7/2017
File Path: H:\LKMU\00080\Plans\GIS\Lakewood Zoning Map.mxd

N

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Legend

Land Cover

- Agriculture/Grassland
- Beach/Dune
- Emergent Wetland
- Forested Wetland
- Upland Forest

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Greenways Map
Lakewood Township
Ocean County, New Jersey

N

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Updated by: RBS
Date: 3/7/2017
File Path: H:\LKMU\00080\Plans\GIS\Lakewood Greenway Map .mxd

Legend

TYPE95

- AGRICULTURE
- BARREN LAND
- FOREST
- URBAN
- WATER
- WETLANDS

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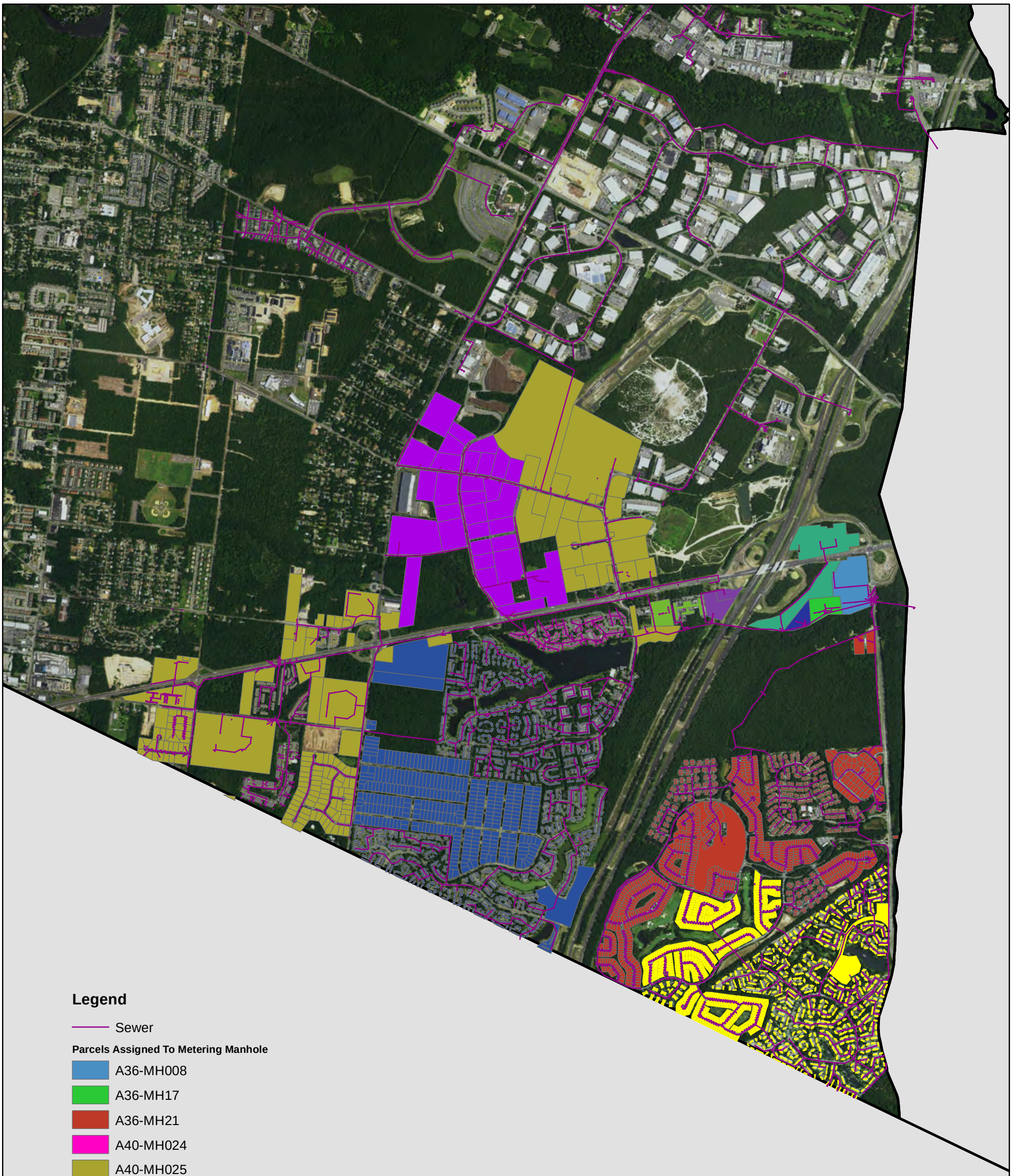
Land Use Map
Lakewood Township
Ocean County, New Jersey

Updated by: RBS
Date: 3/31/2017
File Path: H:\LKMU\00080\Plans\GIS\Lakewood Land Use Map.mxd

N

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.



T&M ASSOCIATES
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Infiltration and Inflow Study Metering Basins
Lakewood Township
Ocean County, New Jersey

N

NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Updated by: RBS
Date: 3/31/2017
File Path: H:\LKMU\00080\Plans\GIS\Lakewood Sewer Map_ with I_I Basins.mxd

Legend

- Sewer Lines with Insufficient Capacity at Minimum Buildout Conditions
- Sewer
- Additional Sewer Lines with Insufficent Capacity at Maximum Buildout Conditions

11 Tindall Road
Middletown, NJ 07748-2792
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0 800 1,600 3,200 Feet

Pipe Capacity Analysis Results Map
Lakewood Township
Ocean County, New Jersey

Prepared by: RED, 06-23-14
Source: ESRI, NJDEP, NJDOT, Lakewood MUA, T&M Associates
File Path: H:\LKMU\00080\Plans\Basemaps\MONLOC.mxd

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NOTE: This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Appendix E - 2014 Infiltration and Inflow Study by Flow Assessment

T&M Associates
Eleven Tindall Road
Middletown, NJ 07748-2792
Attn: Rina N. Dalal

June 10, 2014

Re: Lakewood Township, NJ
Flow Monitoring
May 2014

Dear Ms. Dalal,

This letter is written to present the flow monitoring data collected in Lakewood Township, NJ. The meters were installed between 04/24/14 and 05/05/14. This letter presents the data from 04/24/14 to 06/05/14. The meters were removed on 06/04/14 and 06/05/14.

Site configuration information:

Site	Location	Meter
A19 MH003	Swarthmore Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 14" diameter line.
A20 MH001	1935 Swarthmore Avenue	Area Velocity Flow Meter installed in an existing 14" diameter line.
A36 MH008	900 Shorrock Street	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
A36 MH017	Shorrock Street R.O.W. (Behind Shopping Plaza)	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
A36 MH021	900 Shorrock Street R.O.W.	Area Velocity Flow Meter installed in an existing 24" diameter line.
AH40 MH024	Buckingham Drive R.O.W. (Leisure Village Maintenance Yard)	Area Velocity Flow Meter installed in an existing 16" diameter line.
AH40 MH025	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 24" diameter line.
AH41 MH017	900 Shorrock Street R.O.W. (Behind Plaza)	Area Velocity Flow Meter installed in an existing 8" diameter line.
C13 MH015 Downstream	Lanes Mill Road R.O.W.	Area Velocity Flow Meter installed in an existing 10" diameter line.
C33 MH017	Towbin Avenue	Area Velocity Flow Meter installed in an existing 12" diameter line.
C46 MH047	Buckingham Drive (Between 54A & 56F)	Area Velocity Flow Meter installed in an existing 12" diameter line.
F09 MH020	Lanes Mill Road	Level Meter installed with an 8" Palmer- Bowlus Flume in an existing 12" diameter line.
FA14 MH016	New Hampshire Avenue R.O.W.	Area Velocity Flow Meter installed in an existing 18" diameter line.

Site	Location	Meter
FA16 MH002	1444 Ocean Avenue	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 10" diameter line.
FA41 MH002	Route 70 Leisure Chateau Rehab Center	Area Velocity Flow Meter installed in an existing 8" diameter line.
FA41 MH010	Route 70 Best Western at Rear in R.O.W.	Level Meter installed with a 6" Palmer- Bowlus Flume in an existing 8" diameter line.
FC03 MH014	1261 Ventura Drive	Area Velocity Flow Meter installed in an existing 12" diameter line.
FC06 MH015	East County Line Road at Redondo Lane	Level Meter installed with an 8" Palmer- Bowlus Flume in an existing 8" diameter line.
FC15 MH06A	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 15" diameter line.
FC15 MH007	Pinehurst Drive (Near Pump Station)	Area Velocity Flow Meter installed in an existing 12" diameter line.
FC40 MH028	Buckingham Drive R.O.W.	Area Velocity Flow Meter installed in an existing 16" diameter line.
FC57 MH026	1400-1426 Shorrock Street	Area Velocity Flow Meter installed in an existing 10" diameter line.
FC57 MH031	Shetland Drive (Near #1031)	Area Velocity Flow Meter installed in an existing 12" diameter line.

The Area Velocity Flow Meter senses both depth and velocity. This depth and velocity information is stored in the meter's memory. The Level Meter also senses depth. This depth information is stored in the meter's memory. The recorded data is uploaded from the flow meters with a laptop computer. During the installation, maintenance visits and removal, the depth, and where applicable, velocity information is confirmed and calibration measurements are noted.

Appendix 1 contains a summary of the daily flow and a summary graph. The summary presents minimum, peak and total daily flow. The summary graph is hourly to help visualize the flow pattern recorded during the monitoring period.

Appendix 2 contains PDF'd daily flow data printouts in 5-minute intervals on the disk that accompanies this report. This data is also included in an Excel format in 5-minute intervals on the disk that accompanies this report.

The rainfall data presented in **Appendix 1 & 2** was collected by a tipping bucket type rain gauge installed at the Leisure Village maintenance yard on Buckingham Drive in Lakewood, NJ.

Site & Data Observations

FA16 MH002	The meter at this site malfunctioned from 04/28/14 22:40 - 05/06/14 09:40. No data exists during this time period.
FC06 MH 015	The meter at this site malfunctioned shortly after install. No data exists from 04/29/14 - 05/06/14 10:20.
FC15 MH06A	The meter at this site malfunctioned from 05/26/14 07:40 - 05/27/14 00:10. No data exists during this time period.

Site & Data Observations Continued

FC15 MH007	The meter at this site malfunctioned from 05/27/14 14:05 - 05/28/14 03:25. No data exists during this time period. It should also be noted that this site has backup from the pump station and low velocities.

If you have any questions or require anything additional, please feel free to call.

Sincerely,

Sydney Irving
Data Analyst

Appendix 1

Summary Flow Report

Site:
A19 MH003
Swarthmore Ave R.O.W. Lakewood, NJ 14" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/28/2014 (Mon)	0.047	0.289	0.057			
4/29/2014 (Tue)	0.034	0.280	0.121	0.06	0.03	0.01
4/30/2014 (Wed)	0.035	0.319	0.128	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.049	0.283	0.127	0.32	0.17	0.09
5/2/2014 (Fri)	0.035	0.290	0.107	0.00	0.00	0.00
5/3/2014 (Sat)	0.028	0.138	0.053	0.04	0.04	0.02
5/4/2014 (Sun)	0.028	0.126	0.054	0.01	0.01	0.01
5/5/2014 (Mon)	0.029	0.300	0.120	0.00	0.00	0.00
5/6/2014 (Tue)	0.039	0.290	0.119	0.00	0.00	0.00
5/7/2014 (Wed)	0.035	0.355	0.124	0.04	0.02	0.01
5/8/2014 (Thu)	0.043	0.300	0.120	0.62	0.28	0.07
5/9/2014 (Fri)	0.041	0.299	0.112	0.07	0.06	0.04
5/10/2014 (Sat)	0.031	0.218	0.065	0.22	0.21	0.07
5/11/2014 (Sun)	**0.021**	0.124	0.058	0.01	0.01	0.01
5/12/2014 (Mon)	0.028	0.318	0.111	0.10	0.10	0.04
5/13/2014 (Tue)	0.032	0.278	0.114	0.00	0.00	0.00
5/14/2014 (Wed)	0.040	0.264	0.122	0.00	0.00	0.00
5/15/2014 (Thu)	0.036	0.312	0.120	0.01	0.01	0.01
5/16/2014 (Fri)	0.036	0.276	0.110	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.034	0.206	0.075	0.01	0.01	0.01
5/18/2014 (Sun)	0.039	0.128	0.063	0.00	0.00	0.00
5/19/2014 (Mon)	0.038	0.331	0.117	0.01	0.01	0.01
5/20/2014 (Tue)	0.036	0.349	0.119	0.00	0.00	0.00
5/21/2014 (Wed)	0.035	0.279	0.119	0.00	0.00	0.00
5/22/2014 (Thu)	0.036	0.294	0.116	0.73	0.28	0.05
5/23/2014 (Fri)	0.029	0.263	0.109	0.10	0.04	0.01
5/24/2014 (Sat)	0.028	0.200	0.064	0.13	0.11	0.03
5/25/2014 (Sun)	0.032	0.105	0.051	0.01	0.01	0.01
5/26/2014 (Mon)	0.026	0.116	0.055	0.00	0.00	0.00
5/27/2014 (Tue)	0.027	0.317	0.117	0.00	0.00	0.00
5/28/2014 (Wed)	0.051	0.312	**0.133**	0.19	0.15	0.08
5/29/2014 (Thu)	0.034	0.337	0.129	0.00	0.00	0.00
5/30/2014 (Fri)	0.048	0.318	0.122	0.00	0.00	0.00
5/31/2014 (Sat)	0.037	0.169	0.065	0.00	0.00	0.00
6/1/2014 (Sun)	0.032	0.147	0.067	0.00	0.00	0.00
6/2/2014 (Mon)	0.032	**0.363**	0.132	0.00	0.00	0.00
6/3/2014 (Tue)	0.032	0.344	0.073	0.00	0.00	0.00
		Total for period	3.667	7.37		
		Min:	0.021			
		Avg:	0.099			
		Max:	0.363			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
A20 MH001
1935 Swarthmore Ave | Lakewood, NJ | 14" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/28/2014 (Mon)	0.045	0.174	0.042			
4/29/2014 (Tue)	0.049	0.271	0.149	0.06	0.03	0.01
4/30/2014 (Wed)	0.045	0.261	0.122	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.042	0.174	0.083	0.32	0.17	0.09
5/2/2014 (Fri)	0.035	0.172	0.081	0.00	0.00	0.00
5/3/2014 (Sat)	0.037	0.184	0.099	0.04	0.04	0.02
5/4/2014 (Sun)	0.150	0.294	0.185	0.01	0.01	0.01
5/5/2014 (Mon)	0.164	0.272	0.212	0.00	0.00	0.00
5/6/2014 (Tue)	0.183	0.328	0.239	0.00	0.00	0.00
5/7/2014 (Wed)	0.169	0.303	0.225	0.04	0.02	0.01
5/8/2014 (Thu)	0.174	0.302	0.227	0.62	0.28	0.07
5/9/2014 (Fri)	0.055	0.265	0.147	0.07	0.06	0.04
5/10/2014 (Sat)	0.036	0.272	0.178	0.22	0.21	0.07
5/11/2014 (Sun)	0.029	0.106	0.046	0.01	0.01	0.01
5/12/2014 (Mon)	0.030	0.317	0.195	0.10	0.10	0.04
5/13/2014 (Tue)	0.098	**1.285**	0.283	0.00	0.00	0.00
5/14/2014 (Wed)	0.031	0.310	0.200	0.00	0.00	0.00
5/15/2014 (Thu)	0.037	0.308	0.199	0.01	0.01	0.01
5/16/2014 (Fri)	0.049	1.246	0.274	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.045	1.150	0.201	0.01	0.01	0.01
5/18/2014 (Sun)	0.117	0.237	0.167	0.00	0.00	0.00
5/19/2014 (Mon)	0.126	0.317	0.214	0.01	0.01	0.01
5/20/2014 (Tue)	0.067	0.317	0.219	0.00	0.00	0.00
5/21/2014 (Wed)	0.041	0.655	0.191	0.00	0.00	0.00
5/22/2014 (Thu)	0.060	0.334	0.228	0.73	0.28	0.05
5/23/2014 (Fri)	0.145	0.898	**0.336**	0.10	0.04	0.01
5/24/2014 (Sat)	0.035	0.424	0.206	0.13	0.11	0.03
5/25/2014 (Sun)	**0.019**	0.115	0.042	0.01	0.01	0.01
5/26/2014 (Mon)	0.021	0.050	0.031	0.00	0.00	0.00
5/27/2014 (Tue)	0.027	0.457	0.231	0.00	0.00	0.00
5/28/2014 (Wed)	0.053	0.412	0.252	0.19	0.15	0.08
5/29/2014 (Thu)	0.072	0.556	0.217	0.00	0.00	0.00
5/30/2014 (Fri)	0.076	0.331	0.213	0.00	0.00	0.00
5/31/2014 (Sat)	0.048	0.284	0.170	0.00	0.00	0.00
6/1/2014 (Sun)	0.127	0.259	0.165	0.00	0.00	0.00
6/2/2014 (Mon)	0.079	0.315	0.207	0.00	0.00	0.00
6/3/2014 (Tue)	0.119	0.935	0.209	0.00	0.00	0.00
		Total for period	6.686	7.37		
		Min:	0.019			
		Avg:	0.181			
		Max:	1.285			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
A36 MH008
900 Shorrock St | Lakewood, NJ | 6" Palmer-Bowlus Flume in an 8" Line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.001	0.023	0.003			
4/25/2014 (Fri)	0.000	0.027	0.004			
4/26/2014 (Sat)	0.000	0.015	0.004			
4/27/2014 (Sun)	0.000	0.021	0.002			
4/28/2014 (Mon)	0.000	0.023	0.003			
4/29/2014 (Tue)	0.000	0.018	0.003	0.06	0.03	0.01
4/30/2014 (Wed)	0.000	0.018	0.004	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.000	0.020	**0.005**	0.32	0.17	0.09
5/2/2014 (Fri)	0.000	0.023	0.004	0.00	0.00	0.00
5/3/2014 (Sat)	0.000	0.019	0.004	0.04	0.04	0.02
5/4/2014 (Sun)	0.000	0.019	0.003	0.01	0.01	0.01
5/5/2014 (Mon)	0.000	0.028	0.003	0.00	0.00	0.00
5/6/2014 (Tue)	0.000	0.021	0.003	0.00	0.00	0.00
5/7/2014 (Wed)	0.000	0.017	0.003	0.04	0.02	0.01
5/8/2014 (Thu)	0.000	0.018	0.003	0.62	0.28	0.07
5/9/2014 (Fri)	0.000	0.028	0.004	0.07	0.06	0.04
5/10/2014 (Sat)	0.000	0.022	0.004	0.22	0.21	0.07
5/11/2014 (Sun)	0.000	0.027	0.003	0.01	0.01	0.01
5/12/2014 (Mon)	0.000	0.026	0.003	0.10	0.10	0.04
5/13/2014 (Tue)	0.000	0.021	0.003	0.00	0.00	0.00
5/14/2014 (Wed)	0.000	0.014	0.003	0.00	0.00	0.00
5/15/2014 (Thu)	0.000	**0.037**	0.003	0.01	0.01	0.01
5/16/2014 (Fri)	0.000	0.021	0.004	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.000	0.034	0.004	0.01	0.01	0.01
5/18/2014 (Sun)	0.000	0.021	0.003	0.00	0.00	0.00
5/19/2014 (Mon)	0.000	0.031	0.003	0.01	0.01	0.01
5/20/2014 (Tue)	0.000	0.029	0.003	0.00	0.00	0.00
5/21/2014 (Wed)	0.000	0.021	0.003	0.00	0.00	0.00
5/22/2014 (Thu)	0.000	0.029	0.004	0.73	0.28	0.05
5/23/2014 (Fri)	0.000	**0.037**	0.004	0.10	0.04	0.01
5/24/2014 (Sat)	0.000	0.020	0.004	0.13	0.11	0.03
5/25/2014 (Sun)	0.000	0.030	0.003	0.01	0.01	0.01
5/26/2014 (Mon)	0.000	0.015	0.003	0.00	0.00	0.00
5/27/2014 (Tue)	0.000	0.029	0.003	0.00	0.00	0.00
5/28/2014 (Wed)	0.000	0.017	0.003	0.19	0.15	0.08
5/29/2014 (Thu)	0.000	0.026	0.004	0.00	0.00	0.00
5/30/2014 (Fri)	**0.000**	0.023	0.003	0.00	0.00	0.00
5/31/2014 (Sat)	0.000	0.022	0.004	0.00	0.00	0.00
6/1/2014 (Sun)	0.000	0.028	0.003	0.00	0.00	0.00
6/2/2014 (Mon)	0.000	0.016	0.003	0.00	0.00	0.00
6/3/2014 (Tue)	0.000	0.017	0.001	0.00	0.00	0.00
		Total for period	0.130	7.37		
		Min:	0.000			
		Avg:	0.003			
		Max:	0.037			

Summary Flow Report

Site:
A36 MH017
Shorrock St R.O.W. behind plaza Lakewood, NJ 6" Palmer-Bowlus Flume in an 8" Line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.000	0.005	0.001			
4/25/2014 (Fri)	0.000	0.007	**0.002**			
4/26/2014 (Sat)	0.001	0.008	0.001			
4/27/2014 (Sun)	0.000	0.005	0.001			
4/28/2014 (Mon)	0.000	0.004	0.001			
4/29/2014 (Tue)	0.000	0.006	0.001	0.06	0.03	0.01
4/30/2014 (Wed)	0.001	0.005	0.001	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.001	0.004	0.001	0.32	0.17	0.09
5/2/2014 (Fri)	0.000	0.004	0.001	0.00	0.00	0.00
5/3/2014 (Sat)	0.000	**0.010**	0.001	0.04	0.04	0.02
5/4/2014 (Sun)	0.000	0.008	0.001	0.01	0.01	0.01
5/5/2014 (Mon)	0.000	0.005	0.001	0.00	0.00	0.00
5/6/2014 (Tue)	0.000	0.006	0.001	0.00	0.00	0.00
5/7/2014 (Wed)	0.000	0.004	0.001	0.04	0.02	0.01
5/8/2014 (Thu)	0.000	0.004	0.001	0.62	0.28	0.07
5/9/2014 (Fri)	0.000	0.005	0.001	0.07	0.06	0.04
5/10/2014 (Sat)	0.000	0.004	0.001	0.22	0.21	0.07
5/11/2014 (Sun)	0.000	0.003	0.001	0.01	0.01	0.01
5/12/2014 (Mon)	0.000	0.008	0.001	0.10	0.10	0.04
5/13/2014 (Tue)	0.000	0.009	0.001	0.00	0.00	0.00
5/14/2014 (Wed)	0.000	0.005	0.001	0.00	0.00	0.00
5/15/2014 (Thu)	0.000	0.004	0.001	0.01	0.01	0.01
5/16/2014 (Fri)	0.000	0.008	0.001	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.000	0.007	0.001	0.01	0.01	0.01
5/18/2014 (Sun)	0.000	0.005	0.001	0.00	0.00	0.00
5/19/2014 (Mon)	0.000	0.005	0.001	0.01	0.01	0.01
5/20/2014 (Tue)	0.000	0.007	0.001	0.00	0.00	0.00
5/21/2014 (Wed)	0.000	0.009	0.001	0.00	0.00	0.00
5/22/2014 (Thu)	0.000	0.005	0.001	0.73	0.28	0.05
5/23/2014 (Fri)	0.000	0.005	0.001	0.10	0.04	0.01
5/24/2014 (Sat)	0.000	0.004	0.001	0.13	0.11	0.03
5/25/2014 (Sun)	0.000	0.006	0.001	0.01	0.01	0.01
5/26/2014 (Mon)	0.001	0.007	0.001	0.00	0.00	0.00
5/27/2014 (Tue)	0.000	0.003	0.001	0.00	0.00	0.00
5/28/2014 (Wed)	0.000	0.009	0.001	0.19	0.15	0.08
5/29/2014 (Thu)	0.000	0.004	0.001	0.00	0.00	0.00
5/30/2014 (Fri)	**0.000**	0.005	0.001	0.00	0.00	0.00
5/31/2014 (Sat)	0.000	0.009	0.001	0.00	0.00	0.00
6/1/2014 (Sun)	0.000	0.003	0.001	0.00	0.00	0.00
6/2/2014 (Mon)	0.000	0.006	0.001	0.00	0.00	0.00
6/3/2014 (Tue)	0.000	0.005	0.000	0.00	0.00	0.00
		Total for period	0.042	7.37		
		Min:	0.000			
		Avg:	0.001			
		Max:	0.010			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
A36 MH021
900 Shorrock St. R.O.W. Lakewood, NJ 24" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/25/2014 (Fri)	0.205	0.581	0.236			
4/26/2014 (Sat)	0.075	0.639	0.307			
4/27/2014 (Sun)	0.062	0.633	0.310			
4/28/2014 (Mon)	0.060	0.568	0.283			
4/29/2014 (Tue)	0.057	0.493	0.262	0.06	0.03	0.01
4/30/2014 (Wed)	0.065	0.585	0.302	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.072	0.667	0.292	0.32	0.17	0.09
5/2/2014 (Fri)	0.067	0.518	0.281	0.00	0.00	0.00
5/3/2014 (Sat)	0.069	0.632	0.298	0.04	0.04	0.02
5/4/2014 (Sun)	0.064	0.728	0.313	0.01	0.01	0.01
5/5/2014 (Mon)	0.062	0.560	0.286	0.00	0.00	0.00
5/6/2014 (Tue)	0.073	0.543	0.281	0.00	0.00	0.00
5/7/2014 (Wed)	0.057	0.698	0.287	0.04	0.02	0.01
5/8/2014 (Thu)	0.066	0.623	0.281	0.62	0.28	0.07
5/9/2014 (Fri)	0.064	0.544	0.277	0.07	0.06	0.04
5/10/2014 (Sat)	0.060	**0.745**	0.312	0.22	0.21	0.07
5/11/2014 (Sun)	0.056	0.581	0.295	0.01	0.01	0.01
5/12/2014 (Mon)	0.056	0.555	0.295	0.10	0.10	0.04
5/13/2014 (Tue)	0.063	0.671	0.286	0.00	0.00	0.00
5/14/2014 (Wed)	0.061	0.576	0.281	0.00	0.00	0.00
5/15/2014 (Thu)	0.062	0.580	0.299	0.01	0.01	0.01
5/16/2014 (Fri)	0.060	0.635	0.305	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.075	0.672	0.310	0.01	0.01	0.01
5/18/2014 (Sun)	0.066	0.633	0.304	0.00	0.00	0.00
5/19/2014 (Mon)	0.059	0.597	0.285	0.01	0.01	0.01
5/20/2014 (Tue)	0.069	0.552	0.277	0.00	0.00	0.00
5/21/2014 (Wed)	0.068	0.560	0.280	0.00	0.00	0.00
5/22/2014 (Thu)	0.063	0.555	0.282	0.73	0.28	0.05
5/23/2014 (Fri)	0.073	0.572	0.303	0.10	0.04	0.01
5/24/2014 (Sat)	0.075	0.627	0.305	0.13	0.11	0.03
5/25/2014 (Sun)	0.077	0.691	0.311	0.01	0.01	0.01
5/26/2014 (Mon)	0.059	0.636	0.304	0.00	0.00	0.00
5/27/2014 (Tue)	0.066	0.546	0.298	0.00	0.00	0.00
5/28/2014 (Wed)	**0.052**	0.647	0.285	0.19	0.15	0.08
5/29/2014 (Thu)	0.066	0.552	0.299	0.00	0.00	0.00
5/30/2014 (Fri)	0.063	0.564	0.299	0.00	0.00	0.00
5/31/2014 (Sat)	0.065	0.621	0.301	0.00	0.00	0.00
6/1/2014 (Sun)	0.066	0.722	**0.321**	0.00	0.00	0.00
6/2/2014 (Mon)	0.061	0.671	0.306	0.00	0.00	0.00
6/3/2014 (Tue)	0.073	0.565	0.139	0.00	0.00	0.00
		Total for period	11.577	7.37		
		Min:	0.052			
		Avg:	0.289			
		Max:	0.745			

Summary Flow Report

Site:
A40 MH024
Buckingham Dr R.O.W. Leisure Village mainteLakewood, NJ 16" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/25/2014 (Fri)	0.117	**0.461**	0.130			
4/26/2014 (Sat)	0.063	0.379	0.185			
4/27/2014 (Sun)	0.057	0.355	0.176			
4/28/2014 (Mon)	0.059	0.305	0.166			
4/29/2014 (Tue)	0.055	0.282	0.157	0.06	0.03	0.01
4/30/2014 (Wed)	0.062	0.303	0.181	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.069	0.291	0.167	0.32	0.17	0.09
5/2/2014 (Fri)	0.055	0.321	0.168	0.00	0.00	0.00
5/3/2014 (Sat)	0.056	0.348	0.180	0.04	0.04	0.02
5/4/2014 (Sun)	0.061	0.344	0.178	0.01	0.01	0.01
5/5/2014 (Mon)	0.053	0.287	0.159	0.00	0.00	0.00
5/6/2014 (Tue)	0.052	0.307	0.159	0.00	0.00	0.00
5/7/2014 (Wed)	0.050	0.324	0.163	0.04	0.02	0.01
5/8/2014 (Thu)	0.057	0.326	0.164	0.62	0.28	0.07
5/9/2014 (Fri)	0.056	0.312	0.177	0.07	0.06	0.04
5/10/2014 (Sat)	0.069	0.385	0.203	0.22	0.21	0.07
5/11/2014 (Sun)	0.057	0.385	0.189	0.01	0.01	0.01
5/12/2014 (Mon)	0.056	0.308	0.172	0.10	0.10	0.04
5/13/2014 (Tue)	0.058	0.320	0.170	0.00	0.00	0.00
5/14/2014 (Wed)	0.065	0.302	0.168	0.00	0.00	0.00
5/15/2014 (Thu)	0.052	0.291	0.161	0.01	0.01	0.01
5/16/2014 (Fri)	0.071	0.333	0.186	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.069	0.373	0.189	0.01	0.01	0.01
5/18/2014 (Sun)	0.062	0.345	0.189	0.00	0.00	0.00
5/19/2014 (Mon)	0.062	0.344	0.181	0.01	0.01	0.01
5/20/2014 (Tue)	0.060	0.340	0.180	0.00	0.00	0.00
5/21/2014 (Wed)	0.047	0.297	0.168	0.00	0.00	0.00
5/22/2014 (Thu)	0.063	0.313	0.183	0.73	0.28	0.05
5/23/2014 (Fri)	0.070	0.325	0.182	0.10	0.04	0.01
5/24/2014 (Sat)	0.069	0.376	0.203	0.13	0.11	0.03
5/25/2014 (Sun)	0.061	0.386	0.191	0.01	0.01	0.01
5/26/2014 (Mon)	**0.044**	0.327	0.159	0.00	0.00	0.00
5/27/2014 (Tue)	0.063	0.304	0.157	0.00	0.00	0.00
5/28/2014 (Wed)	0.050	0.256	0.156	0.19	0.15	0.08
5/29/2014 (Thu)	0.057	0.327	0.190	0.00	0.00	0.00
5/30/2014 (Fri)	0.072	0.369	0.201	0.00	0.00	0.00
5/31/2014 (Sat)	0.077	0.416	**0.209**	0.00	0.00	0.00
6/1/2014 (Sun)	0.058	0.334	0.193	0.00	0.00	0.00
6/2/2014 (Mon)	0.073	0.318	0.186	0.00	0.00	0.00
6/3/2014 (Tue)	0.051	0.267	0.039	0.00	0.00	0.00
		Total for period	6.917	7.37		
		Min:	0.044			
		Avg:	0.173			
		Max:	0.461			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
A40 MH025
Buckingham Dr R.O.W. Lakewood, NJ 24" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/25/2014 (Fri)	0.312	0.703	0.288			
4/26/2014 (Sat)	0.240	0.623	0.381			
4/27/2014 (Sun)	0.193	0.588	0.397			
4/28/2014 (Mon)	0.249	0.775	0.480			
4/29/2014 (Tue)	0.189	0.644	0.451	0.06	0.03	0.01
4/30/2014 (Wed)	0.240	0.831	0.514	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.224	0.710	0.466	0.32	0.17	0.09
5/2/2014 (Fri)	0.245	0.742	0.436	0.00	0.00	0.00
5/3/2014 (Sat)	0.184	0.601	0.363	0.04	0.04	0.02
5/4/2014 (Sun)	0.180	0.511	0.360	0.01	0.01	0.01
5/5/2014 (Mon)	0.187	0.733	0.438	0.00	0.00	0.00
5/6/2014 (Tue)	0.215	0.673	0.449	0.00	0.00	0.00
5/7/2014 (Wed)	0.247	0.664	0.461	0.04	0.02	0.01
5/8/2014 (Thu)	0.218	0.738	0.456	0.62	0.28	0.07
5/9/2014 (Fri)	0.231	0.826	0.428	0.07	0.06	0.04
5/10/2014 (Sat)	**0.167**	0.603	0.365	0.22	0.21	0.07
5/11/2014 (Sun)	0.191	0.657	0.376	0.01	0.01	0.01
5/12/2014 (Mon)	0.213	0.758	0.517	0.10	0.10	0.04
5/13/2014 (Tue)	0.249	0.798	0.488	0.00	0.00	0.00
5/14/2014 (Wed)	0.204	0.717	0.459	0.00	0.00	0.00
5/15/2014 (Thu)	0.218	0.651	0.463	0.01	0.01	0.01
5/16/2014 (Fri)	0.189	0.721	0.485	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.225	0.692	0.413	0.01	0.01	0.01
5/18/2014 (Sun)	0.212	0.652	0.430	0.00	0.00	0.00
5/19/2014 (Mon)	0.253	0.767	0.492	0.01	0.01	0.01
5/20/2014 (Tue)	0.234	0.749	0.490	0.00	0.00	0.00
5/21/2014 (Wed)	0.212	0.882	0.493	0.00	0.00	0.00
5/22/2014 (Thu)	0.215	**0.889**	**0.519**	0.73	0.28	0.05
5/23/2014 (Fri)	0.249	0.806	0.481	0.10	0.04	0.01
5/24/2014 (Sat)	0.177	0.608	0.368	0.13	0.11	0.03
5/25/2014 (Sun)	0.185	0.568	0.370	0.01	0.01	0.01
5/26/2014 (Mon)	0.182	0.587	0.378	0.00	0.00	0.00
5/27/2014 (Tue)	0.199	0.825	0.478	0.00	0.00	0.00
5/28/2014 (Wed)	0.264	0.706	0.486	0.19	0.15	0.08
5/29/2014 (Thu)	0.216	0.793	0.470	0.00	0.00	0.00
5/30/2014 (Fri)	0.198	0.876	0.469	0.00	0.00	0.00
5/31/2014 (Sat)	0.178	0.582	0.355	0.00	0.00	0.00
6/1/2014 (Sun)	0.171	0.634	0.393	0.00	0.00	0.00
6/2/2014 (Mon)	0.209	0.750	0.469	0.00	0.00	0.00
6/3/2014 (Tue)	0.216	0.691	0.132	0.00	0.00	0.00
		Total for period	17.208	7.37		
		Min:	0.167			
		Avg:	0.430			
		Max:	0.889			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
A41 MH017
900 Shorrock St R.O.W. behind plaza Lakewood, NJ 8" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.003	0.027	0.005			
4/25/2014 (Fri)	0.001	0.030	0.010			
4/26/2014 (Sat)	0.001	0.042	0.013			
4/27/2014 (Sun)	0.001	0.038	0.012			
4/28/2014 (Mon)	0.001	0.025	0.008			
4/29/2014 (Tue)	0.001	0.043	0.009	0.06	0.03	0.01
4/30/2014 (Wed)	0.001	0.040	0.009	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.001	0.033	0.010	0.32	0.17	0.09
5/2/2014 (Fri)	0.001	0.035	0.012	0.00	0.00	0.00
5/3/2014 (Sat)	0.001	0.039	**0.015**	0.04	0.04	0.02
5/4/2014 (Sun)	0.001	**0.048**	0.014	0.01	0.01	0.01
5/5/2014 (Mon)	0.001	0.039	0.011	0.00	0.00	0.00
5/6/2014 (Tue)	0.001	0.027	0.009	0.00	0.00	0.00
5/7/2014 (Wed)	0.002	0.038	0.010	0.04	0.02	0.01
5/8/2014 (Thu)	0.001	0.031	0.011	0.62	0.28	0.07
5/9/2014 (Fri)	0.001	0.028	0.012	0.07	0.06	0.04
5/10/2014 (Sat)	0.002	0.037	0.014	0.22	0.21	0.07
5/11/2014 (Sun)	0.002	0.044	0.015	0.01	0.01	0.01
5/12/2014 (Mon)	0.001	0.024	0.009	0.10	0.10	0.04
5/13/2014 (Tue)	0.001	0.029	0.010	0.00	0.00	0.00
5/14/2014 (Wed)	0.001	0.031	0.011	0.00	0.00	0.00
5/15/2014 (Thu)	0.002	0.041	0.011	0.01	0.01	0.01
5/16/2014 (Fri)	0.001	0.040	0.010	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.001	0.031	0.011	0.01	0.01	0.01
5/18/2014 (Sun)	0.001	0.036	0.011	0.00	0.00	0.00
5/19/2014 (Mon)	0.001	0.031	0.010	0.01	0.01	0.01
5/20/2014 (Tue)	0.001	0.023	0.008	0.00	0.00	0.00
5/21/2014 (Wed)	0.001	0.023	0.006	0.00	0.00	0.00
5/22/2014 (Thu)	0.001	0.024	0.007	0.73	0.28	0.05
5/23/2014 (Fri)	0.000	0.030	0.009	0.10	0.04	0.01
5/24/2014 (Sat)	**0.000**	0.039	0.011	0.13	0.11	0.03
5/25/2014 (Sun)	0.000	0.037	0.010	0.01	0.01	0.01
5/26/2014 (Mon)	0.001	0.038	0.008	0.00	0.00	0.00
5/27/2014 (Tue)	0.001	0.030	0.007	0.00	0.00	0.00
5/28/2014 (Wed)	0.001	0.024	0.009	0.19	0.15	0.08
5/29/2014 (Thu)	0.001	0.031	0.009	0.00	0.00	0.00
5/30/2014 (Fri)	0.001	0.025	0.008	0.00	0.00	0.00
5/31/2014 (Sat)	0.001	0.032	0.009	0.00	0.00	0.00
6/1/2014 (Sun)	0.001	0.034	0.011	0.00	0.00	0.00
6/2/2014 (Mon)	0.001	0.035	0.010	0.00	0.00	0.00
6/3/2014 (Tue)	0.002	0.033	0.005	0.00	0.00	0.00
		Total for period	0.406	7.37		
		Min:	0.000			
		Avg:	0.010			
		Max:	0.048			

Summary Flow Report

Site:
C13 MH015
Lanes Mill Rd R.O.W. Lakewood, NJ 10" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.006	0.033	0.012	0.06	0.03	0.01
4/30/2014 (Wed)	0.006	0.038	0.019	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.006	0.028	0.015	0.32	0.17	0.09
5/2/2014 (Fri)	0.004	0.035	0.014	0.00	0.00	0.00
5/3/2014 (Sat)	0.002	0.037	0.015	0.04	0.04	0.02
5/4/2014 (Sun)	0.002	0.043	0.015	0.01	0.01	0.01
5/5/2014 (Mon)	0.005	0.058	0.020	0.00	0.00	0.00
5/6/2014 (Tue)	0.004	0.037	0.015	0.00	0.00	0.00
5/7/2014 (Wed)	0.002	0.034	0.015	0.04	0.02	0.01
5/8/2014 (Thu)	0.006	**0.077**	0.024	0.62	0.28	0.07
5/9/2014 (Fri)	0.010	0.064	0.024	0.07	0.06	0.04
5/10/2014 (Sat)	0.007	0.069	**0.026**	0.22	0.21	0.07
5/11/2014 (Sun)	0.003	0.065	0.022	0.01	0.01	0.01
5/12/2014 (Mon)	0.004	0.071	0.021	0.10	0.10	0.04
5/13/2014 (Tue)	0.003	0.043	0.017	0.00	0.00	0.00
5/14/2014 (Wed)	0.003	0.046	0.018	0.00	0.00	0.00
5/15/2014 (Thu)	0.005	0.058	0.020	0.01	0.01	0.01
5/16/2014 (Fri)	0.004	0.050	0.021	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.004	0.053	0.022	0.01	0.01	0.01
5/18/2014 (Sun)	0.004	0.060	0.022	0.00	0.00	0.00
5/19/2014 (Mon)	0.009	0.056	0.023	0.01	0.01	0.01
5/20/2014 (Tue)	0.002	0.051	0.019	0.00	0.00	0.00
5/21/2014 (Wed)	0.004	0.050	0.020	0.00	0.00	0.00
5/22/2014 (Thu)	0.005	0.050	0.021	0.73	0.28	0.05
5/23/2014 (Fri)	0.002	0.041	0.017	0.10	0.04	0.01
5/24/2014 (Sat)	0.002	0.045	0.019	0.13	0.11	0.03
5/25/2014 (Sun)	0.003	0.037	0.018	0.01	0.01	0.01
5/26/2014 (Mon)	0.002	0.050	0.016	0.00	0.00	0.00
5/27/2014 (Tue)	0.003	0.039	0.016	0.00	0.00	0.00
5/28/2014 (Wed)	0.002	0.036	0.015	0.19	0.15	0.08
5/29/2014 (Thu)	0.003	0.039	0.015	0.00	0.00	0.00
5/30/2014 (Fri)	0.003	0.042	0.015	0.00	0.00	0.00
5/31/2014 (Sat)	0.002	0.039	0.015	0.00	0.00	0.00
6/1/2014 (Sun)	0.002	0.069	0.015	0.00	0.00	0.00
6/2/2014 (Mon)	0.002	0.038	0.015	0.00	0.00	0.00
6/3/2014 (Tue)	**0.001**	0.035	0.018	0.00	0.00	0.00
6/4/2014 (Wed)	0.003	0.045	0.005			
		Total for period	0.656	7.37		
		Min:	0.001			
		Avg:	0.018			
		Max:	0.077			

Summary Flow Report

Site:
C33 MH017
Towbin Ave | Lakewood, NJ | 12" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/28/2014 (Mon)	0.016	0.204	0.050			
4/29/2014 (Tue)	0.012	**0.367**	0.093	0.06	0.03	0.01
4/30/2014 (Wed)	0.010	0.332	0.127	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.035	0.291	0.120	0.32	0.17	0.09
5/2/2014 (Fri)	0.037	0.319	0.119	0.00	0.00	0.00
5/3/2014 (Sat)	0.026	0.247	0.048	0.04	0.04	0.02
5/4/2014 (Sun)	0.025	0.088	0.038	0.01	0.01	0.01
5/5/2014 (Mon)	0.006	0.299	0.104	0.00	0.00	0.00
5/6/2014 (Tue)	0.007	0.287	0.108	0.00	0.00	0.00
5/7/2014 (Wed)	0.004	0.267	0.112	0.04	0.02	0.01
5/8/2014 (Thu)	0.005	0.316	0.111	0.62	0.28	0.07
5/9/2014 (Fri)	0.006	0.299	0.111	0.07	0.06	0.04
5/10/2014 (Sat)	**0.004**	0.148	0.045	0.22	0.21	0.07
5/11/2014 (Sun)	0.009	0.134	0.053	0.01	0.01	0.01
5/12/2014 (Mon)	0.013	0.252	0.109	0.10	0.10	0.04
5/13/2014 (Tue)	0.019	0.299	0.117	0.00	0.00	0.00
5/14/2014 (Wed)	0.037	0.302	0.129	0.00	0.00	0.00
5/15/2014 (Thu)	0.022	0.281	0.112	0.01	0.01	0.01
5/16/2014 (Fri)	0.010	0.295	0.117	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.015	0.169	0.085	0.01	0.01	0.01
5/18/2014 (Sun)	0.027	0.176	0.100	0.00	0.00	0.00
5/19/2014 (Mon)	0.019	0.296	0.113	0.01	0.01	0.01
5/20/2014 (Tue)	0.014	0.309	0.110	0.00	0.00	0.00
5/21/2014 (Wed)	0.011	0.333	0.135	0.00	0.00	0.00
5/22/2014 (Thu)	0.012	0.349	**0.146**	0.73	0.28	0.05
5/23/2014 (Fri)	0.005	0.347	0.122	0.10	0.04	0.01
5/24/2014 (Sat)	0.010	0.153	0.055	0.13	0.11	0.03
5/25/2014 (Sun)	0.014	0.133	0.050	0.01	0.01	0.01
5/26/2014 (Mon)	0.004	0.153	0.043	0.00	0.00	0.00
5/27/2014 (Tue)	0.007	0.264	0.103	0.00	0.00	0.00
5/28/2014 (Wed)	0.004	0.339	0.123	0.19	0.15	0.08
5/29/2014 (Thu)	0.005	0.288	0.113	0.00	0.00	0.00
5/30/2014 (Fri)	0.012	0.338	0.113	0.00	0.00	0.00
5/31/2014 (Sat)	0.005	0.134	0.047	0.00	0.00	0.00
6/1/2014 (Sun)	0.005	0.165	0.050	0.00	0.00	0.00
6/2/2014 (Mon)	0.004	0.310	0.132	0.00	0.00	0.00
6/3/2014 (Tue)	0.005	0.182	0.029	0.00	0.00	0.00
		Total for period	3.490	7.37		
		Min:	0.004			
		Avg:	0.094			
		Max:	0.367			

Summary Flow Report

Site:
C46 MH047
54A/56F Buckingham Dr Lakewood, NJ 12" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
5/5/2014 (Mon)	0.032	0.229	0.053	0.00	0.00	0.00
5/6/2014 (Tue)	0.011	0.144	0.052	0.00	0.00	0.00
5/7/2014 (Wed)	**0.006**	0.152	0.064	0.04	0.02	0.01
5/8/2014 (Thu)	0.018	0.145	0.070	0.62	0.28	0.07
5/9/2014 (Fri)	0.021	0.142	0.072	0.07	0.06	0.04
5/10/2014 (Sat)	0.020	0.176	0.084	0.22	0.21	0.07
5/11/2014 (Sun)	0.021	0.196	0.079	0.01	0.01	0.01
5/12/2014 (Mon)	0.019	0.274	0.092	0.10	0.10	0.04
5/13/2014 (Tue)	0.031	0.157	0.080	0.00	0.00	0.00
5/14/2014 (Wed)	0.041	0.224	0.135	0.00	0.00	0.00
5/15/2014 (Thu)	0.044	0.212	0.107	0.01	0.01	0.01
5/16/2014 (Fri)	0.055	0.233	0.144	**1.14**	**0.43**	**0.12**
5/17/2014 (Sat)	0.057	0.258	0.147	0.01	0.01	0.01
5/18/2014 (Sun)	0.045	0.256	0.147	0.00	0.00	0.00
5/19/2014 (Mon)	0.032	0.188	0.093	0.01	0.01	0.01
5/20/2014 (Tue)	0.028	0.235	0.117	0.00	0.00	0.00
5/21/2014 (Wed)	0.046	0.242	0.138	0.00	0.00	0.00
5/22/2014 (Thu)	0.041	**0.333**	0.136	0.73	0.28	0.05
5/23/2014 (Fri)	0.017	0.229	0.104	0.10	0.04	0.01
5/24/2014 (Sat)	0.018	0.333	0.123	0.13	0.11	0.03
5/25/2014 (Sun)	0.021	0.212	0.088	0.01	0.01	0.01
5/26/2014 (Mon)	0.039	0.279	0.115	0.00	0.00	0.00
5/27/2014 (Tue)	0.084	0.294	**0.181**	0.00	0.00	0.00
5/28/2014 (Wed)	0.067	0.291	0.177	0.19	0.15	0.08
5/29/2014 (Thu)	0.054	0.248	0.130	0.00	0.00	0.00
5/30/2014 (Fri)	0.043	0.238	0.129	0.00	0.00	0.00
5/31/2014 (Sat)	0.051	0.332	0.160	0.00	0.00	0.00
6/1/2014 (Sun)	0.038	0.295	0.124	0.00	0.00	0.00
6/2/2014 (Mon)	0.018	0.260	0.140	0.00	0.00	0.00
6/3/2014 (Tue)	0.043	0.278	0.030	0.00	0.00	0.00
		Total for period	3.313	3.39		
		Min:	0.006			
		Avg:	0.110			
		Max:	0.333			

Summary Flow Report

Site:
F09 MH020
Lanes Mill Rd | Lakewood, NJ | 8" Palmer-Bowlus Flume in a 12" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.008	0.056	0.010	0.06	0.03	0.01
4/30/2014 (Wed)	0.004	0.067	0.019	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.004	0.065	0.019	0.32	0.17	0.09
5/2/2014 (Fri)	0.004	0.055	0.020	0.00	0.00	0.00
5/3/2014 (Sat)	0.004	0.058	0.015	0.04	0.04	0.02
5/4/2014 (Sun)	0.004	0.055	0.020	0.01	0.01	0.01
5/5/2014 (Mon)	0.004	0.060	0.018	0.00	0.00	0.00
5/6/2014 (Tue)	0.005	0.059	0.019	0.00	0.00	0.00
5/7/2014 (Wed)	0.004	0.057	0.018	0.04	0.02	0.01
5/8/2014 (Thu)	0.006	0.063	0.021	0.62	0.28	0.07
5/9/2014 (Fri)	0.006	0.066	0.021	0.07	0.06	0.04
5/10/2014 (Sat)	0.005	0.075	0.018	0.22	0.21	0.07
5/11/2014 (Sun)	0.004	0.054	**0.023**	0.01	0.01	0.01
5/12/2014 (Mon)	0.005	0.057	0.020	0.10	0.10	0.04
5/13/2014 (Tue)	0.003	0.055	0.018	0.00	0.00	0.00
5/14/2014 (Wed)	0.004	0.066	0.019	0.00	0.00	0.00
5/15/2014 (Thu)	0.004	0.060	0.019	0.01	0.01	0.01
5/16/2014 (Fri)	0.004	0.070	0.020	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.003	0.060	0.017	0.01	0.01	0.01
5/18/2014 (Sun)	0.004	**0.083**	0.021	0.00	0.00	0.00
5/19/2014 (Mon)	0.004	0.062	0.019	0.01	0.01	0.01
5/20/2014 (Tue)	0.005	0.052	0.018	0.00	0.00	0.00
5/21/2014 (Wed)	0.004	0.060	0.020	0.00	0.00	0.00
5/22/2014 (Thu)	0.004	0.057	0.019	0.73	0.28	0.05
5/23/2014 (Fri)	0.004	0.066	0.020	0.10	0.04	0.01
5/24/2014 (Sat)	**0.003**	0.060	0.018	0.13	0.11	0.03
5/25/2014 (Sun)	0.004	0.060	0.021	0.01	0.01	0.01
5/26/2014 (Mon)	0.004	0.064	0.021	0.00	0.00	0.00
5/27/2014 (Tue)	0.004	0.070	0.021	0.00	0.00	0.00
5/28/2014 (Wed)	0.004	0.055	0.019	0.19	0.15	0.08
5/29/2014 (Thu)	0.005	0.049	0.017	0.00	0.00	0.00
5/30/2014 (Fri)	0.004	0.080	0.021	0.00	0.00	0.00
5/31/2014 (Sat)	0.005	0.082	0.018	0.00	0.00	0.00
6/1/2014 (Sun)	0.006	0.080	0.022	0.00	0.00	0.00
6/2/2014 (Mon)	0.006	0.065	0.021	0.00	0.00	0.00
6/3/2014 (Tue)	0.005	0.063	0.023	0.00	0.00	0.00
6/4/2014 (Wed)	0.010	0.039	0.006			
		Total for period	0.697	7.37		
		Min:	0.003			
		Avg:	0.019			
		Max:	0.083			

Summary Flow Report

Site:
FA14 MH016
New Hampshire Ave R.O.W. Lakewood, NJ 18" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.450	1.229	0.470	0.06	0.03	0.01
4/30/2014 (Wed)	0.244	1.395	0.818	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.284	1.141	0.786	0.32	0.17	0.09
5/2/2014 (Fri)	0.245	1.371	0.815	0.00	0.00	0.00
5/3/2014 (Sat)	0.273	1.157	0.729	0.04	0.04	0.02
5/4/2014 (Sun)	0.239	1.225	0.794	0.01	0.01	0.01
5/5/2014 (Mon)	0.278	1.130	0.756	0.00	0.00	0.00
5/6/2014 (Tue)	0.225	1.157	0.750	0.00	0.00	0.00
5/7/2014 (Wed)	0.199	1.177	0.749	0.04	0.02	0.01
5/8/2014 (Thu)	0.220	1.137	0.740	0.62	0.28	0.07
5/9/2014 (Fri)	0.219	1.395	0.779	0.07	0.06	0.04
5/10/2014 (Sat)	0.237	1.031	0.710	0.22	0.21	0.07
5/11/2014 (Sun)	0.230	1.118	0.772	0.01	0.01	0.01
5/12/2014 (Mon)	0.236	1.131	0.710	0.10	0.10	0.04
5/13/2014 (Tue)	0.260	1.105	0.708	0.00	0.00	0.00
5/14/2014 (Wed)	0.229	1.204	0.710	0.00	0.00	0.00
5/15/2014 (Thu)	0.214	1.136	0.725	0.01	0.01	0.01
5/16/2014 (Fri)	0.213	1.456	0.740	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.225	1.091	0.677	0.01	0.01	0.01
5/18/2014 (Sun)	0.276	1.155	0.781	0.00	0.00	0.00
5/19/2014 (Mon)	0.211	1.158	0.737	0.01	0.01	0.01
5/20/2014 (Tue)	0.216	1.259	0.734	0.00	0.00	0.00
5/21/2014 (Wed)	0.214	1.310	0.735	0.00	0.00	0.00
5/22/2014 (Thu)	**0.170**	1.066	0.715	0.73	0.28	0.05
5/23/2014 (Fri)	0.222	1.404	0.755	0.10	0.04	0.01
5/24/2014 (Sat)	0.209	1.049	0.675	0.13	0.11	0.03
5/25/2014 (Sun)	0.296	1.122	0.775	0.01	0.01	0.01
5/26/2014 (Mon)	0.229	1.087	0.764	0.00	0.00	0.00
5/27/2014 (Tue)	0.254	1.166	0.742	0.00	0.00	0.00
5/28/2014 (Wed)	0.189	0.977	0.673	0.19	0.15	0.08
5/29/2014 (Thu)	0.204	1.239	0.760	0.00	0.00	0.00
5/30/2014 (Fri)	0.280	**1.688**	**0.882**	0.00	0.00	0.00
5/31/2014 (Sat)	0.212	1.404	0.818	0.00	0.00	0.00
6/1/2014 (Sun)	0.287	1.440	0.880	0.00	0.00	0.00
6/2/2014 (Mon)	0.266	1.594	0.826	0.00	0.00	0.00
6/3/2014 (Tue)	0.214	1.170	0.453	0.00	0.00	0.00
		Total for period	26.644	7.37		
		Min:	0.170			
		Avg:	0.740			
		Max:	1.688			

Summary Flow Report

Site:
FA16 MH002
1444 Ocean Ave | Lakewood, NJ | 6" Palmer-Bowlus Flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/28/2014 (Mon)	**0.000**	0.016	0.001			
4/29/2014 (Tue)				0.06	0.03	0.01
4/30/2014 (Wed)				**3.55**	**0.49**	0.07
5/1/2014 (Thu)				0.32	0.17	0.09
5/2/2014 (Fri)				0.00	0.00	0.00
5/3/2014 (Sat)				0.04	0.04	0.02
5/4/2014 (Sun)				0.01	0.01	0.01
5/5/2014 (Mon)				0.00	0.00	0.00
5/6/2014 (Tue)	0.003	0.013	0.004	0.00	0.00	0.00
5/7/2014 (Wed)	0.002	0.014	**0.006**	0.04	0.02	0.01
5/8/2014 (Thu)	0.001	0.013	0.004	0.62	0.28	0.07
5/9/2014 (Fri)	0.002	0.020	0.004	0.07	0.06	0.04
5/10/2014 (Sat)	0.002	0.017	0.004	0.22	0.21	0.07
5/11/2014 (Sun)	0.001	0.010	0.003	0.01	0.01	0.01
5/12/2014 (Mon)	0.001	0.012	0.003	0.10	0.10	0.04
5/13/2014 (Tue)	0.001	0.012	0.004	0.00	0.00	0.00
5/14/2014 (Wed)	0.001	0.024	0.003	0.00	0.00	0.00
5/15/2014 (Thu)	0.001	0.017	0.003	0.01	0.01	0.01
5/16/2014 (Fri)	0.001	0.012	0.003	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.000	0.016	0.002	0.01	0.01	0.01
5/18/2014 (Sun)	0.001	0.009	0.003	0.00	0.00	0.00
5/19/2014 (Mon)	0.000	0.009	0.003	0.01	0.01	0.01
5/20/2014 (Tue)	0.001	0.024	0.003	0.00	0.00	0.00
5/21/2014 (Wed)	0.001	0.014	0.002	0.00	0.00	0.00
5/22/2014 (Thu)	0.001	0.022	0.002	0.73	0.28	0.05
5/23/2014 (Fri)	0.001	0.008	0.002	0.10	0.04	0.01
5/24/2014 (Sat)	0.000	0.010	0.003	0.13	0.11	0.03
5/25/2014 (Sun)	0.001	0.016	0.003	0.01	0.01	0.01
5/26/2014 (Mon)	0.001	0.019	0.002	0.00	0.00	0.00
5/27/2014 (Tue)	0.001	0.017	0.003	0.00	0.00	0.00
5/28/2014 (Wed)	0.001	0.009	0.002	0.19	0.15	0.08
5/29/2014 (Thu)	0.001	0.009	0.002	0.00	0.00	0.00
5/30/2014 (Fri)	0.001	0.025	0.003	0.00	0.00	0.00
5/31/2014 (Sat)	0.001	0.024	0.005	0.00	0.00	0.00
6/1/2014 (Sun)	0.002	0.009	0.004	0.00	0.00	0.00
6/2/2014 (Mon)	0.002	**0.025**	0.005	0.00	0.00	0.00
6/3/2014 (Tue)	0.001	0.013	0.004	0.00	0.00	0.00
6/4/2014 (Wed)	0.002	0.016	0.002			
		Total for period	0.096	7.37		
		Min:	0.000			
		Avg:	0.003			
		Max:	0.025			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
FA41 MH002
Rt 70 Leisure Chateau Rehab Center Lakewood, NJ 8" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.001	0.058	0.005			
4/25/2014 (Fri)	0.001	0.066	**0.022**			
4/26/2014 (Sat)	**0.000**	0.060	0.018			
4/27/2014 (Sun)	0.001	0.048	0.015			
4/28/2014 (Mon)	0.003	0.042	0.017			
4/29/2014 (Tue)	0.002	0.063	0.021	0.06	0.03	0.01
4/30/2014 (Wed)	0.002	0.047	0.016	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.002	0.035	0.016	0.32	0.17	0.09
5/2/2014 (Fri)	0.001	0.041	0.016	0.00	0.00	0.00
5/3/2014 (Sat)	0.001	0.039	0.012	0.04	0.04	0.02
5/4/2014 (Sun)	0.002	0.034	0.012	0.01	0.01	0.01
5/5/2014 (Mon)	0.001	0.041	0.012	0.00	0.00	0.00
5/6/2014 (Tue)	0.001	0.036	0.013	0.00	0.00	0.00
5/7/2014 (Wed)	0.001	0.033	0.012	0.04	0.02	0.01
5/8/2014 (Thu)	0.001	0.033	0.011	0.62	0.28	0.07
5/9/2014 (Fri)	0.004	0.046	0.015	0.07	0.06	0.04
5/10/2014 (Sat)	0.001	0.032	0.014	0.22	0.21	0.07
5/11/2014 (Sun)	0.001	0.031	0.011	0.01	0.01	0.01
5/12/2014 (Mon)	0.001	0.036	0.011	0.10	0.10	0.04
5/13/2014 (Tue)	0.001	0.032	0.013	0.00	0.00	0.00
5/14/2014 (Wed)	0.002	0.036	0.013	0.00	0.00	0.00
5/15/2014 (Thu)	0.001	0.033	0.012	0.01	0.01	0.01
5/16/2014 (Fri)	0.002	0.040	0.013	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.001	0.039	0.016	0.01	0.01	0.01
5/18/2014 (Sun)	0.003	0.046	0.016	0.00	0.00	0.00
5/19/2014 (Mon)	0.001	**0.069**	0.019	0.01	0.01	0.01
5/20/2014 (Tue)	0.000	0.052	0.017	0.00	0.00	0.00
5/21/2014 (Wed)	0.002	0.041	0.016	0.00	0.00	0.00
5/22/2014 (Thu)	0.002	0.036	0.015	0.73	0.28	0.05
5/23/2014 (Fri)	0.002	0.038	0.016	0.10	0.04	0.01
5/24/2014 (Sat)	0.001	0.032	0.014	0.13	0.11	0.03
5/25/2014 (Sun)	0.002	0.035	0.014	0.01	0.01	0.01
5/26/2014 (Mon)	0.003	0.041	0.013	0.00	0.00	0.00
5/27/2014 (Tue)	0.003	0.042	0.015	0.00	0.00	0.00
5/28/2014 (Wed)	0.003	0.043	0.016	0.19	0.15	0.08
5/29/2014 (Thu)	0.002	0.041	0.015	0.00	0.00	0.00
5/30/2014 (Fri)	0.002	0.040	0.014	0.00	0.00	0.00
5/31/2014 (Sat)	0.003	0.051	0.015	0.00	0.00	0.00
6/1/2014 (Sun)	0.002	0.040	0.013	0.00	0.00	0.00
6/2/2014 (Mon)	0.003	0.039	0.015	0.00	0.00	0.00
6/3/2014 (Tue)	0.003	0.024	0.004	0.00	0.00	0.00
		Total for period	0.582	7.37		
		Min:	0.000			
		Avg:	0.014			
		Max:	0.069			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
FA41 MH010
Rt 70 Best Western rear R.O.W. Lakewood, NJ 6" Palmer-Bowlus Flume in an 8" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.004	0.057	0.008			
4/25/2014 (Fri)	0.004	0.052	0.020			
4/26/2014 (Sat)	0.005	0.064	0.020			
4/27/2014 (Sun)	0.006	0.056	0.020			
4/28/2014 (Mon)	0.008	0.059	0.022			
4/29/2014 (Tue)	0.007	0.078	0.022	0.06	0.03	0.01
4/30/2014 (Wed)	0.006	0.073	0.025	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.005	0.051	0.023	0.32	0.17	0.09
5/2/2014 (Fri)	0.004	0.061	0.025	0.00	0.00	0.00
5/3/2014 (Sat)	0.007	0.068	0.025	0.04	0.04	0.02
5/4/2014 (Sun)	0.007	0.068	0.024	0.01	0.01	0.01
5/5/2014 (Mon)	0.006	0.056	0.021	0.00	0.00	0.00
5/6/2014 (Tue)	0.007	0.065	0.020	0.00	0.00	0.00
5/7/2014 (Wed)	0.006	0.077	0.018	0.04	0.02	0.01
5/8/2014 (Thu)	0.006	0.067	0.020	0.62	0.28	0.07
5/9/2014 (Fri)	0.008	0.061	0.020	0.07	0.06	0.04
5/10/2014 (Sat)	0.008	0.056	0.023	0.22	0.21	0.07
5/11/2014 (Sun)	0.007	0.057	0.020	0.01	0.01	0.01
5/12/2014 (Mon)	0.007	0.063	0.020	0.10	0.10	0.04
5/13/2014 (Tue)	0.004	0.055	0.016	0.00	0.00	0.00
5/14/2014 (Wed)	0.006	0.061	0.018	0.00	0.00	0.00
5/15/2014 (Thu)	0.003	0.051	0.015	0.01	0.01	0.01
5/16/2014 (Fri)	0.002	0.057	0.017	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.003	0.075	0.024	0.01	0.01	0.01
5/18/2014 (Sun)	0.006	**0.079**	0.019	0.00	0.00	0.00
5/19/2014 (Mon)	0.002	0.052	0.013	0.01	0.01	0.01
5/20/2014 (Tue)	0.002	0.047	0.014	0.00	0.00	0.00
5/21/2014 (Wed)	0.002	0.060	0.017	0.00	0.00	0.00
5/22/2014 (Thu)	**0.002**	0.049	0.015	0.73	0.28	0.05
5/23/2014 (Fri)	0.004	0.054	0.015	0.10	0.04	0.01
5/24/2014 (Sat)	0.002	0.058	0.019	0.13	0.11	0.03
5/25/2014 (Sun)	0.004	0.068	0.017	0.01	0.01	0.01
5/26/2014 (Mon)	0.003	0.067	0.019	0.00	0.00	0.00
5/27/2014 (Tue)	0.002	0.076	0.014	0.00	0.00	0.00
5/28/2014 (Wed)	0.003	0.048	0.014	0.19	0.15	0.08
5/29/2014 (Thu)	0.004	0.054	0.018	0.00	0.00	0.00
5/30/2014 (Fri)	0.005	0.057	0.020	0.00	0.00	0.00
5/31/2014 (Sat)	0.004	0.062	0.023	0.00	0.00	0.00
6/1/2014 (Sun)	0.004	0.067	0.024	0.00	0.00	0.00
6/2/2014 (Mon)	0.009	0.060	**0.026**	0.00	0.00	0.00
6/3/2014 (Tue)	0.011	0.047	0.010	0.00	0.00	0.00
		Total for period	0.783	7.37		
		Min:	0.002			
		Avg:	0.019			
		Max:	0.079			

Summary Flow Report

Site:
FC03 MH014
1261 Ventura Dr Lakewood, NJ 12" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.011	0.104	0.026	0.06	0.03	0.01
4/30/2014 (Wed)	0.005	0.097	0.039	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.012	0.066	0.033	0.32	0.17	0.09
5/2/2014 (Fri)	0.005	0.097	0.034	0.00	0.00	0.00
5/3/2014 (Sat)	0.007	0.064	0.029	0.04	0.04	0.02
5/4/2014 (Sun)	0.008	0.079	0.037	0.01	0.01	0.01
5/5/2014 (Mon)	0.005	0.071	0.033	0.00	0.00	0.00
5/6/2014 (Tue)	0.007	0.081	0.032	0.00	0.00	0.00
5/7/2014 (Wed)	0.005	0.097	0.038	0.04	0.02	0.01
5/8/2014 (Thu)	0.007	0.063	0.033	0.62	0.28	0.07
5/9/2014 (Fri)	0.008	0.092	0.035	0.07	0.06	0.04
5/10/2014 (Sat)	0.006	0.068	0.027	0.22	0.21	0.07
5/11/2014 (Sun)	0.008	0.095	0.037	0.01	0.01	0.01
5/12/2014 (Mon)	0.006	0.122	0.040	0.10	0.10	0.04
5/13/2014 (Tue)	0.010	0.095	0.040	0.00	0.00	0.00
5/14/2014 (Wed)	0.009	0.111	0.043	0.00	0.00	0.00
5/15/2014 (Thu)	0.005	0.119	**0.046**	0.01	0.01	0.01
5/16/2014 (Fri)	0.007	0.110	0.042	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.008	0.079	0.034	0.01	0.01	0.01
5/18/2014 (Sun)	0.007	0.103	0.037	0.00	0.00	0.00
5/19/2014 (Mon)	0.007	0.048	0.020	0.01	0.01	0.01
5/20/2014 (Tue)	0.016	0.081	0.031	0.00	0.00	0.00
5/21/2014 (Wed)	0.008	0.075	0.038	0.00	0.00	0.00
5/22/2014 (Thu)	0.005	0.076	0.029	0.73	0.28	0.05
5/23/2014 (Fri)	0.008	0.126	0.042	0.10	0.04	0.01
5/24/2014 (Sat)	0.007	0.106	0.028	0.13	0.11	0.03
5/25/2014 (Sun)	0.007	0.112	0.042	0.01	0.01	0.01
5/26/2014 (Mon)	0.006	**0.173**	0.035	0.00	0.00	0.00
5/27/2014 (Tue)	0.007	0.090	0.041	0.00	0.00	0.00
5/28/2014 (Wed)	0.008	0.092	0.045	0.19	0.15	0.08
5/29/2014 (Thu)	0.008	0.106	0.041	0.00	0.00	0.00
5/30/2014 (Fri)	0.007	0.122	0.044	0.00	0.00	0.00
5/31/2014 (Sat)	0.009	0.103	0.028	0.00	0.00	0.00
6/1/2014 (Sun)	**0.005**	0.089	0.027	0.00	0.00	0.00
6/2/2014 (Mon)	0.006	0.097	0.021	0.00	0.00	0.00
6/3/2014 (Tue)	0.006	0.102	0.043	0.00	0.00	0.00
6/4/2014 (Wed)	0.006	0.032	0.005			
		Total for period	1.273	7.37		
		Min:	0.005			
		Avg:	0.034			
		Max:	0.173			

Summary Flow Report

Site:
FC06 MH015
E County Line Rd at Redondo Ln Lakewood, NJ 8" Palmer-Bowlus Flume in an 8" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)				0.06	0.03	0.01
4/30/2014 (Wed)				**3.55**	**0.49**	0.07
5/1/2014 (Thu)				0.32	0.17	0.09
5/2/2014 (Fri)				0.00	0.00	0.00
5/3/2014 (Sat)				0.04	0.04	0.02
5/4/2014 (Sun)				0.01	0.01	0.01
5/5/2014 (Mon)				0.00	0.00	0.00
5/6/2014 (Tue)	0.017	0.097	0.025	0.00	0.00	0.00
5/7/2014 (Wed)	0.008	0.099	0.035	0.04	0.02	0.01
5/8/2014 (Thu)	0.007	0.104	0.035	0.62	0.28	0.07
5/9/2014 (Fri)	0.012	0.102	0.040	0.07	0.06	0.04
5/10/2014 (Sat)	0.006	0.104	0.033	0.22	0.21	0.07
5/11/2014 (Sun)	0.008	0.111	0.044	0.01	0.01	0.01
5/12/2014 (Mon)	0.009	0.102	0.038	0.10	0.10	0.04
5/13/2014 (Tue)	0.005	0.088	0.032	0.00	0.00	0.00
5/14/2014 (Wed)	0.007	0.086	0.032	0.00	0.00	0.00
5/15/2014 (Thu)	0.005	0.094	0.031	0.01	0.01	0.01
5/16/2014 (Fri)	0.005	0.099	0.037	1.14	0.43	**0.12**
5/17/2014 (Sat)	**0.004**	0.073	0.028	0.01	0.01	0.01
5/18/2014 (Sun)	0.005	0.103	0.036	0.00	0.00	0.00
5/19/2014 (Mon)	0.006	0.099	0.032	0.01	0.01	0.01
5/20/2014 (Tue)	0.005	0.101	0.036	0.00	0.00	0.00
5/21/2014 (Wed)	0.007	**0.174**	**0.054**	0.00	0.00	0.00
5/22/2014 (Thu)	0.005	0.087	0.036	0.73	0.28	0.05
5/23/2014 (Fri)	0.007	0.108	0.039	0.10	0.04	0.01
5/24/2014 (Sat)	0.010	0.080	0.034	0.13	0.11	0.03
5/25/2014 (Sun)	0.008	0.114	0.043	0.01	0.01	0.01
5/26/2014 (Mon)	0.007	0.097	0.042	0.00	0.00	0.00
5/27/2014 (Tue)	0.008	0.110	0.040	0.00	0.00	0.00
5/28/2014 (Wed)	0.008	0.101	0.037	0.19	0.15	0.08
5/29/2014 (Thu)	0.007	0.092	0.036	0.00	0.00	0.00
5/30/2014 (Fri)	0.007	0.132	0.041	0.00	0.00	0.00
5/31/2014 (Sat)	0.009	0.085	0.033	0.00	0.00	0.00
6/1/2014 (Sun)	0.010	0.100	0.048	0.00	0.00	0.00
6/2/2014 (Mon)	0.010	0.091	0.039	0.00	0.00	0.00
6/3/2014 (Tue)	0.013	0.125	0.047	0.00	0.00	0.00
6/4/2014 (Wed)	0.010	0.062	0.007			
		Total for period	1.093	7.37		
		Min:	0.004			
		Avg:	0.036			
		Max:	0.174			

Summary Flow Report

Site:
FC15 MH06A
Pinehurst Dr near pump station Lakewood, NJ 15" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.224	0.530	0.229	0.06	0.03	0.01
4/30/2014 (Wed)	0.120	0.580	0.329	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.126	0.546	0.343	0.32	0.17	0.09
5/2/2014 (Fri)	0.118	0.623	0.365	0.00	0.00	0.00
5/3/2014 (Sat)	0.114	0.532	0.330	0.04	0.04	0.02
5/4/2014 (Sun)	0.125	0.623	**0.373**	0.01	0.01	0.01
5/5/2014 (Mon)	0.148	0.551	0.349	0.00	0.00	0.00
5/6/2014 (Tue)	0.104	0.602	0.321	0.00	0.00	0.00
5/7/2014 (Wed)	0.099	0.480	0.307	0.04	0.02	0.01
5/8/2014 (Thu)	0.115	0.497	0.317	0.62	0.28	0.07
5/9/2014 (Fri)	0.092	0.656	0.341	0.07	0.06	0.04
5/10/2014 (Sat)	0.107	0.476	0.315	0.22	0.21	0.07
5/11/2014 (Sun)	0.109	0.597	0.368	0.01	0.01	0.01
5/12/2014 (Mon)	0.099	0.620	0.340	0.10	0.10	0.04
5/13/2014 (Tue)	0.109	0.639	0.329	0.00	0.00	0.00
5/14/2014 (Wed)	0.101	0.591	0.318	0.00	0.00	0.00
5/15/2014 (Thu)	0.099	0.558	0.327	0.01	0.01	0.01
5/16/2014 (Fri)	0.106	0.633	0.342	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.125	0.508	0.318	0.01	0.01	0.01
5/18/2014 (Sun)	0.123	0.620	0.354	0.00	0.00	0.00
5/19/2014 (Mon)	0.098	0.548	0.324	0.01	0.01	0.01
5/20/2014 (Tue)	0.118	0.570	0.328	0.00	0.00	0.00
5/21/2014 (Wed)	0.112	0.544	0.318	0.00	0.00	0.00
5/22/2014 (Thu)	0.104	0.531	0.313	0.73	0.28	0.05
5/23/2014 (Fri)	0.119	0.631	0.345	0.10	0.04	0.01
5/24/2014 (Sat)	0.117	0.525	0.325	0.13	0.11	0.03
5/25/2014 (Sun)	0.118	0.547	0.351	0.01	0.01	0.01
5/26/2014 (Mon)	0.091	0.348	0.058	0.00	0.00	0.00
5/27/2014 (Tue)	0.104	0.581	0.328	0.00	0.00	0.00
5/28/2014 (Wed)	**0.083**	0.621	0.301	0.19	0.15	0.08
5/29/2014 (Thu)	0.115	0.551	0.320	0.00	0.00	0.00
5/30/2014 (Fri)	0.123	**0.700**	0.337	0.00	0.00	0.00
5/31/2014 (Sat)	0.101	0.553	0.316	0.00	0.00	0.00
6/1/2014 (Sun)	0.118	0.567	0.358	0.00	0.00	0.00
6/2/2014 (Mon)	0.114	0.622	0.329	0.00	0.00	0.00
6/3/2014 (Tue)	0.115	0.413	0.166	0.00	0.00	0.00
		Total for period	11.432	7.37		
		Min:	0.083			
		Avg:	0.318			
		Max:	0.700			

Summary Flow Report

Site:
FC15 MH007
Pinehurst Dr near pump station Lakewood, NJ 12" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/29/2014 (Tue)	0.028	0.082	0.026	0.06	0.03	0.01
4/30/2014 (Wed)	0.027	0.134	0.055	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.029	0.086	0.051	0.32	0.17	0.09
5/2/2014 (Fri)	0.024	0.114	0.052	0.00	0.00	0.00
5/3/2014 (Sat)	0.027	0.085	0.054	0.04	0.04	0.02
5/4/2014 (Sun)	0.025	0.103	0.053	0.01	0.01	0.01
5/5/2014 (Mon)	0.027	0.094	0.052	0.00	0.00	0.00
5/6/2014 (Tue)	0.016	0.102	0.046	0.00	0.00	0.00
5/7/2014 (Wed)	0.020	0.077	0.044	0.04	0.02	0.01
5/8/2014 (Thu)	**-0.251**	**0.405**	0.047	0.62	0.28	0.07
5/9/2014 (Fri)	0.025	0.096	0.046	0.07	0.06	0.04
5/10/2014 (Sat)	0.027	0.075	0.050	0.22	0.21	0.07
5/11/2014 (Sun)	0.024	0.108	0.050	0.01	0.01	0.01
5/12/2014 (Mon)	0.027	0.131	0.048	0.10	0.10	0.04
5/13/2014 (Tue)	0.021	0.107	0.045	0.00	0.00	0.00
5/14/2014 (Wed)	0.028	0.073	0.048	0.00	0.00	0.00
5/15/2014 (Thu)	0.022	0.094	0.052	0.01	0.01	0.01
5/16/2014 (Fri)	0.028	0.269	**0.066**	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.040	0.088	0.054	0.01	0.01	0.01
5/18/2014 (Sun)	0.037	0.105	0.049	0.00	0.00	0.00
5/19/2014 (Mon)	0.034	0.078	0.016	0.01	0.01	0.01
5/20/2014 (Tue)	0.019	0.081	0.048	0.00	0.00	0.00
5/21/2014 (Wed)	-0.051	0.348	0.064	0.00	0.00	0.00
5/22/2014 (Thu)	0.027	0.089	0.048	0.73	0.28	0.05
5/23/2014 (Fri)	-0.113	0.204	0.050	0.10	0.04	0.01
5/24/2014 (Sat)	0.035	0.092	0.054	0.13	0.11	0.03
5/25/2014 (Sun)	0.029	0.103	0.058	0.01	0.01	0.01
5/26/2014 (Mon)	0.034	0.096	0.060	0.00	0.00	0.00
5/27/2014 (Tue)	0.024	0.082	0.034	0.00	0.00	0.00
5/28/2014 (Wed)	0.025	0.114	0.047	0.19	0.15	0.08
5/29/2014 (Thu)	0.027	0.092	0.053	0.00	0.00	0.00
5/30/2014 (Fri)	0.030	0.121	0.052	0.00	0.00	0.00
5/31/2014 (Sat)	0.029	0.098	0.051	0.00	0.00	0.00
6/1/2014 (Sun)	0.030	0.092	0.056	0.00	0.00	0.00
6/2/2014 (Mon)	0.031	0.087	0.055	0.00	0.00	0.00
6/3/2014 (Tue)	0.042	0.069	0.030	0.00	0.00	0.00
		Total for period	1.762	7.37		
		Min:	-0.251			
		Avg:	0.049			
		Max:	0.405			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
FC40 MH028
Buckingham Dr R.O.W. Lakewood, NJ 16" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/25/2014 (Fri)	0.105	0.335	0.133			
4/26/2014 (Sat)	0.061	0.364	0.183			
4/27/2014 (Sun)	0.048	0.329	0.170			
4/28/2014 (Mon)	0.048	0.314	0.157			
4/29/2014 (Tue)	0.046	0.257	0.151	0.06	0.03	0.01
4/30/2014 (Wed)	0.053	0.285	0.167	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.056	0.269	0.157	0.32	0.17	0.09
5/2/2014 (Fri)	0.054	0.297	0.153	0.00	0.00	0.00
5/3/2014 (Sat)	0.047	0.337	0.168	0.04	0.04	0.02
5/4/2014 (Sun)	0.057	0.322	0.170	0.01	0.01	0.01
5/5/2014 (Mon)	0.045	0.269	0.153	0.00	0.00	0.00
5/6/2014 (Tue)	0.052	0.292	0.160	0.00	0.00	0.00
5/7/2014 (Wed)	0.052	0.300	0.160	0.04	0.02	0.01
5/8/2014 (Thu)	0.053	0.282	0.159	0.62	0.28	0.07
5/9/2014 (Fri)	0.056	0.313	0.165	0.07	0.06	0.04
5/10/2014 (Sat)	0.057	0.368	**0.192**	0.22	0.21	0.07
5/11/2014 (Sun)	0.055	**0.380**	0.190	0.01	0.01	0.01
5/12/2014 (Mon)	0.057	0.314	0.179	0.10	0.10	0.04
5/13/2014 (Tue)	0.060	0.300	0.173	0.00	0.00	0.00
5/14/2014 (Wed)	0.072	0.298	0.174	0.00	0.00	0.00
5/15/2014 (Thu)	0.055	0.292	0.167	0.01	0.01	0.01
5/16/2014 (Fri)	0.072	0.301	0.176	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.062	0.357	0.189	0.01	0.01	0.01
5/18/2014 (Sun)	0.064	0.324	0.182	0.00	0.00	0.00
5/19/2014 (Mon)	0.052	0.313	0.167	0.01	0.01	0.01
5/20/2014 (Tue)	0.057	0.309	0.168	0.00	0.00	0.00
5/21/2014 (Wed)	0.054	0.292	0.163	0.00	0.00	0.00
5/22/2014 (Thu)	0.056	0.312	0.170	0.73	0.28	0.05
5/23/2014 (Fri)	0.058	0.302	0.168	0.10	0.04	0.01
5/24/2014 (Sat)	0.051	0.352	0.183	0.13	0.11	0.03
5/25/2014 (Sun)	0.055	0.337	0.173	0.01	0.01	0.01
5/26/2014 (Mon)	0.053	0.346	0.182	0.00	0.00	0.00
5/27/2014 (Tue)	0.064	0.295	0.163	0.00	0.00	0.00
5/28/2014 (Wed)	0.057	0.263	0.158	0.19	0.15	0.08
5/29/2014 (Thu)	**0.045**	0.271	0.157	0.00	0.00	0.00
5/30/2014 (Fri)	0.054	0.293	0.160	0.00	0.00	0.00
5/31/2014 (Sat)	0.053	0.351	0.170	0.00	0.00	0.00
6/1/2014 (Sun)	0.050	0.321	0.173	0.00	0.00	0.00
6/2/2014 (Mon)	0.054	0.264	0.157	0.00	0.00	0.00
6/3/2014 (Tue)	0.052	0.236	0.036	0.00	0.00	0.00
		Total for period	6.579	7.37		
		Min:	0.045			
		Avg:	0.164			
		Max:	0.380			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
FC57 MH026
1400/1426 Shorrock St | Lakewood, NJ | 10" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.049	0.201	0.063			
4/25/2014 (Fri)	0.017	0.290	0.121			
4/26/2014 (Sat)	0.016	0.330	0.132			
4/27/2014 (Sun)	0.019	0.314	0.135			
4/28/2014 (Mon)	0.015	0.289	0.124			
4/29/2014 (Tue)	0.015	0.275	0.118	0.06	0.03	0.01
4/30/2014 (Wed)	0.017	0.278	0.131	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.018	0.275	0.121	0.32	0.17	0.09
5/2/2014 (Fri)	0.012	0.270	0.114	0.00	0.00	0.00
5/3/2014 (Sat)	0.017	0.306	0.123	0.04	0.04	0.02
5/4/2014 (Sun)	0.011	0.318	0.127	0.01	0.01	0.01
5/5/2014 (Mon)	0.011	0.290	0.116	0.00	0.00	0.00
5/6/2014 (Tue)	0.010	0.260	0.110	0.00	0.00	0.00
5/7/2014 (Wed)	0.013	0.286	0.114	0.04	0.02	0.01
5/8/2014 (Thu)	0.015	**0.367**	0.115	0.62	0.28	0.07
5/9/2014 (Fri)	0.009	0.262	0.113	0.07	0.06	0.04
5/10/2014 (Sat)	0.012	0.353	0.123	0.22	0.21	0.07
5/11/2014 (Sun)	0.014	0.287	0.119	0.01	0.01	0.01
5/12/2014 (Mon)	0.012	0.309	0.117	0.10	0.10	0.04
5/13/2014 (Tue)	0.013	0.278	0.115	0.00	0.00	0.00
5/14/2014 (Wed)	0.015	0.250	0.111	0.00	0.00	0.00
5/15/2014 (Thu)	0.013	0.258	0.115	0.01	0.01	0.01
5/16/2014 (Fri)	0.016	0.318	0.131	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.014	0.359	0.129	0.01	0.01	0.01
5/18/2014 (Sun)	0.017	0.309	0.138	0.00	0.00	0.00
5/19/2014 (Mon)	0.014	0.308	0.120	0.01	0.01	0.01
5/20/2014 (Tue)	0.016	0.276	0.119	0.00	0.00	0.00
5/21/2014 (Wed)	0.013	0.303	0.116	0.00	0.00	0.00
5/22/2014 (Thu)	0.011	0.302	0.118	0.73	0.28	0.05
5/23/2014 (Fri)	0.015	0.283	0.134	0.10	0.04	0.01
5/24/2014 (Sat)	0.026	0.322	0.137	0.13	0.11	0.03
5/25/2014 (Sun)	0.016	0.296	0.131	0.01	0.01	0.01
5/26/2014 (Mon)	**0.009**	0.302	0.131	0.00	0.00	0.00
5/27/2014 (Tue)	0.012	0.316	0.123	0.00	0.00	0.00
5/28/2014 (Wed)	0.015	0.324	0.121	0.19	0.15	0.08
5/29/2014 (Thu)	0.017	0.269	0.123	0.00	0.00	0.00
5/30/2014 (Fri)	0.011	0.284	0.130	0.00	0.00	0.00
5/31/2014 (Sat)	0.018	0.316	**0.146**	0.00	0.00	0.00
6/1/2014 (Sun)	0.021	0.323	0.141	0.00	0.00	0.00
6/2/2014 (Mon)	0.017	0.290	0.138	0.00	0.00	0.00
6/3/2014 (Tue)	0.016	0.271	0.068	0.00	0.00	0.00
		Total for period	4.971	7.37		
		Min:	0.009			
		Avg:	0.121			
		Max:	0.367			

Summary Flow Report

FLOWAssessment SERVICES L.L.C.

Site:
FC57 MH031
Shetland Dr near 1031 Lakewood, NJ 12" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/24/2014 (Thu)	0.069	0.152	0.052			
4/25/2014 (Fri)	0.026	0.171	0.093			
4/26/2014 (Sat)	0.031	0.208	0.099			
4/27/2014 (Sun)	0.022	0.203	0.106			
4/28/2014 (Mon)	0.037	0.181	0.102			
4/29/2014 (Tue)	0.042	0.166	0.093	0.06	0.03	0.01
4/30/2014 (Wed)	0.038	0.160	0.091	**3.55**	**0.49**	0.07
5/1/2014 (Thu)	0.040	0.142	0.086	0.32	0.17	0.09
5/2/2014 (Fri)	0.047	0.167	0.091	0.00	0.00	0.00
5/3/2014 (Sat)	0.043	0.246	0.119	0.04	0.04	0.02
5/4/2014 (Sun)	0.050	0.249	0.124	0.01	0.01	0.01
5/5/2014 (Mon)	**0.020**	0.206	0.094	0.00	0.00	0.00
5/6/2014 (Tue)	0.031	0.201	0.100	0.00	0.00	0.00
5/7/2014 (Wed)	0.026	0.222	0.102	0.04	0.02	0.01
5/8/2014 (Thu)	0.032	0.223	0.102	0.62	0.28	0.07
5/9/2014 (Fri)	0.029	0.211	0.099	0.07	0.06	0.04
5/10/2014 (Sat)	0.036	0.262	0.114	0.22	0.21	0.07
5/11/2014 (Sun)	0.024	0.212	0.104	0.01	0.01	0.01
5/12/2014 (Mon)	0.032	0.214	0.104	0.10	0.10	0.04
5/13/2014 (Tue)	0.031	0.243	0.107	0.00	0.00	0.00
5/14/2014 (Wed)	0.033	0.190	0.101	0.00	0.00	0.00
5/15/2014 (Thu)	0.029	0.178	0.103	0.01	0.01	0.01
5/16/2014 (Fri)	0.034	0.195	0.108	1.14	0.43	**0.12**
5/17/2014 (Sat)	0.032	0.230	0.117	0.01	0.01	0.01
5/18/2014 (Sun)	0.025	0.203	0.110	0.00	0.00	0.00
5/19/2014 (Mon)	0.033	0.203	0.104	0.01	0.01	0.01
5/20/2014 (Tue)	0.032	0.225	0.106	0.00	0.00	0.00
5/21/2014 (Wed)	0.043	0.203	0.111	0.00	0.00	0.00
5/22/2014 (Thu)	0.032	0.208	0.112	0.73	0.28	0.05
5/23/2014 (Fri)	0.041	0.217	0.116	0.10	0.04	0.01
5/24/2014 (Sat)	0.049	0.236	**0.126**	0.13	0.11	0.03
5/25/2014 (Sun)	0.053	0.234	0.118	0.01	0.01	0.01
5/26/2014 (Mon)	0.047	0.192	0.099	0.00	0.00	0.00
5/27/2014 (Tue)	0.051	0.194	0.106	0.00	0.00	0.00
5/28/2014 (Wed)	0.045	0.174	0.104	0.19	0.15	0.08
5/29/2014 (Thu)	0.040	0.224	0.108	0.00	0.00	0.00
5/30/2014 (Fri)	0.044	0.184	0.092	0.00	0.00	0.00
5/31/2014 (Sat)	0.036	**0.263**	0.114	0.00	0.00	0.00
6/1/2014 (Sun)	0.033	0.213	0.107	0.00	0.00	0.00
6/2/2014 (Mon)	0.035	0.194	0.095	0.00	0.00	0.00
6/3/2014 (Tue)	0.042	0.213	0.049	0.00	0.00	0.00
		Total for period	4.189	7.37		
		Min:	0.020			
		Avg:	0.102			
		Max:	0.263			

Appendix F - CME Sanitary Sewer Master Plan – Metedeconk North & South Drainage Area