12-1078M

2025 Kansas State University Master Plan Update
Water Distribution System

March 12, 2013

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BG Consultants
Engineers • Architects • Surveyors

FINAL REPORT

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APPENDIX

SECTION 1

DISTRIBUTION SYSTEM

1.1. EXISTING CONDITIONS

The water distribution system that is owned and operated by Kansas State University consists of multiple types and sizes of pipe. Below is a table that summarizes the current inventory of water distribution piping which includes Ductile Iron Pipe (DIP), Cast Iron Pipe (CIP), Plastic PVC pipe, Galvanized Pipe, and Copper Pipe. The inventory was created from existing As-Built plans with the best information available to the engineer at the time of this report. A map of the water distribution system that illustrates the water main sizes (Figure 1) and a map that illustrates the water main material (Figure 2) are located at the end of this section.

Diameter	Material (Linear Feet)						
(in.)	Unknown	DIP	CIP	PVC	Galvanized	Copper	Total
3/4						217	217
1	1,659					37	1,696
1-1/4						128	128
1-1/2	28						28
1-3/4	46						46
2	911	533			247		1,691
2-1/2	31						31
3	767	330	116				1,213
4	17,910	178	2,138				20,226
6	18,502	2,725	6,979	416			28,622
8	6,625	1,565	1,414	6,979			16,583
10	4,320	2,117	6,567				13,004
16	3,814						3,814
24		803					803
Total	54,613	8,251	17,214	7,395	247	382	88,102

Table 1.1 Inventory of Existing Water Distribution System

The majority of the water distribution piping is of unknown material, however due to the age of the distribution system and the flows observed during field testing, it is expected that the majority of the unknown pipe material is cast iron.

Cast iron mains are rigid pipes that are subject to fractures and corrosion. The most common repairs to cast iron pipes include shear pipe failures and pinhole leaks. Pipe shear failure is generally caused by shifting ground and creates a complete radial facture. Shear failures are common with nonflexible material. Corrosion and rusting of the ferrous pipe material is the cause for the other leaks within the system. Hard water in cast iron pipes also has a tendency over time to deposit material along the inside of the pipe. This causes the pipe to become encrusted and can limit the flow capabilities. Waterlines that are made out of these types of materials can also produce brown colored water due to rust encrustation.

Currently, the Main Campus Distribution System, defined as the area of campus that is bound by Denison Ave. on the west, Manhattan Ave. on the east, Anderson Ave. on the south and Kimball Ave. on the north, including the Jardine Apartments, Edwards Hall, and the Rec Complex, is supplied by two connection points located on the corner of Kimball Ave. and Denison Ave. and north of the Center for Childhood Development building. The Kimball/Denison connection is a 24" connection that reduces down to 16" and again down to 10" before it enters the distribution system at the Power Plant. This 10" line supplies a booster pump that is located in the Power Plant.

The Power Plant booster pump has a Variable Frequency Drive (VFD) that controls the speed of the pump. The booster pump is a 75 HP Bell & Gosset/ITT Industries Centrifugal Pump rated at 1500 GPM with 150' of head. The current controls are set to turn the pump on and maintain a constant pressure in the immediate downstream piping of 80 PSI. This pump has no bypass and spins freely when downstream pressure is above 80 PSI. The connection that is located north of the Center for Childhood Development building is a 10" connection. This connection shall be referred to as the 10" Waterline Connection and the Kimball/Denison connection as the Main Supply Connection throughout this report.

At the time of this report Kansas State water distribution system is operated with the 10" Waterline Connection shut off to the main campus system. The connection is only supplying water to the Center for Childhood Development building. The remaining buildings and the entire main campus distribution system is being supplied through the Main Supply Connection. This forces all of the water that is used to flow through the booster pump with the exception of the Jardine Apartments, Edwards Hall, the Rec Complex, Pat Roberts Hall, the Vet Med Complex, Davenport Hall, Pittman Hall, and Dole Hall.

END SECTION

SECTION 2

COMPUTER MODELING

2.1. DISTRIBUTION MODELING

The K-State distribution system was modeled using a computer program called WaterCAD (Select Series 3) developed by Bentley Products. Each pipe of the distribution system was imported into the programs data base from the latest Campus Master Origin AutoCAD File provided by University personnel. The information imported included pipe length, pipe diameter, pipe material, and fire hydrants locations. The AutoCAD file and computer model was then compared to As-Built drawings that were also provided by University personnel in order to confirm waterline locations, material, and size.

Field calibration is a critical step in the development of any hydraulic analysis. Field calibration requires that the existing system be "stressed" at one or more points to evaluate how the remaining portions of the system react. The stress points within the calibration sequence are flowing fire hydrants. This is evaluated with the use of pressure gauges and pitot gauges, which will show the flowing pressure for any fire hydrant within the system.

On March 22, 2012 and March 28, 2012, BG Consultants with the assistance of University Staff conducted flow testing of numerous fire hydrants throughout the Campus. All of the calibration tests where completed with the 10" Connection open. A few tests were completed with the 10" Connection closed such as testing of the booster pump and select zone tests used to confirm system performance with this connection close. These test results are located in the Appendix.

The first portion of the fieldwork included the shutting of existing valves, where available, to provide a one-way flow within a particular pipe to assist in the evaluation of the friction factors within the pipe system. This type of testing is completed on varying sizes of water mains within the system.

The next portion of the fieldwork was the completion of a "zone-flow" analysis. This procedure requires a zone or section of the distribution system to be evaluated under normal operating conditions. The testing first requires that the static, non-flowing, pressure within the targeted section be tested. The next step in the analysis is to flow a single fire hydrant within the zone and record the system pressures at the same points within the system that the static pressures were found initially. This type of field-testing allows the computer modeler to closely resemble the actual distribution system during the development of the model.

The computer program has the ability to calibrate the model automatically using a Genetic Algorithm. The zone-flow field results are input into the model that then runs a set number of trials, typically 10,000, changing unknown variables between each run. After the trial runs, the computer model returns set conditions for the unknown variables that will produce a model that accurately reflects that flow conditions that were experienced in the field during flow testing.

The main objective during the calibration process is to determine the coefficient of friction, or "C" factor for each type and size of pipe. The "C" factor is adjusted to reflect the reduced amount of flow a particular pipe can allow as the pipe ages or as encrustation builds. As a point of reference, new PVC pipe typically has a "C" factor around 150. After approximately 20 years under normal service conditions PVC pipe typically has a "C" factor around 140. Ductile Iron Pipe as well as Cast Iron Pipe typically has a "C" factor around 130 new and can range greatly from around 110 to 80 after 20 years. The exact amount that the "C" factor is reduced after a period of time can vary greatly depending on multiple variables including water quality and amount of water usage. A "C" factor of 60 is considered to be very low. A "C" factor that is as low as 60 is equivalent to an approximate reduction in pipe diameter of 25%. While a "C" factor of 40 is equivalent to an approximate reduction in pipe diameter of 36%. The K-State calibrated computer model produced expected "C" factors that ranged from 40 to 130. A map that illustrates the expected "C" factors for the water mains in the K-State Water Distribution System (Figure 3) is located at the end of this section.

2.2. WATER DEMAND

A very important part of the water modeling process involves accurately determining the average water demand on the distribution system that is being modeled. The demand of each user on the system must be modeled as accurately as possible as the demand affects the calibration process and the results of the predicted available fire hydrant flows. The available fire hydrant flows are the expected flow rate of each hydrant in the model that causes any point in the model to drop to a pressure of 20 PSI. The available fire hydrant flow rates are not what is expected to be experienced if the hydrant is simply opened, but what can be expected if a pump is attached to the fire hydrant and pumped at a rate that causes a point in the distribution system to drop to 20 PSI.

Water use data was collected from numerous sources that included Johnson Controls, the City of Manhattan, and K-State personnel. All of this data was evaluated in order to determine an average daily water demand for each building on the K-State Campus during a week day in a winter month and when students are in session. A table that summarizes the demands that were used in the water model is located at the end of this section. The information that was provided in order to determine the Average Demand is included in the appendix.

No water use data could be provided for roughly half of the buildings that are supplied by the main distribution system. A demand for each of these buildings was determined based on a comparison in size and usage of similar buildings that have a known demand. The total K-State **Average Daily Demand of 962,546 Gallons** was also taken into consideration when determining the demands for these buildings.

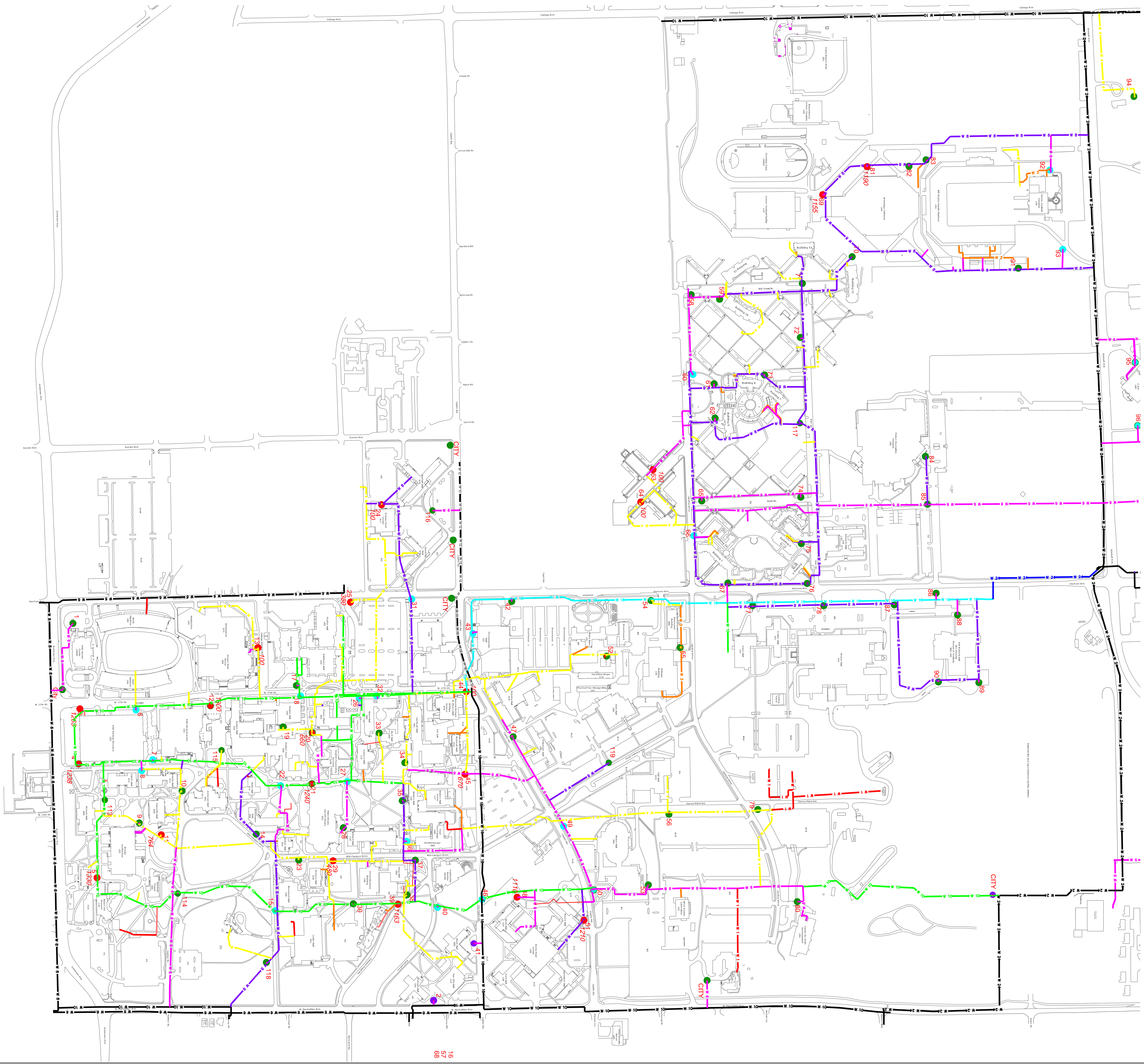
	Known Demands	Estimated Demand		Assume 10 Hrs/d w/Peak of 1
		Unit Avg.	8,448	Demand (GMP)
Brandeberry Indoor Complex	3,144			5.2
Christian Track/FB Practice Fac	6,716			11.2
Frank Myers Field	4,917			8.2
Agronomy Farms	5,431			9.1
Alumni Center				0.0
Animal Husbandry	1,877			3.1
North Farm	57,534			95.9
Putnam Hall	8,321			13.9
Smurthwaite	1,504			2.5
Stone House	685			1.1
Van Zile Hall	5,886			9.8
West Stadium	494			0.8
Bill Snyder Family Stadium	23,880			39.8
Bramlage Coliseum	4,747			7.9
Indoor Football Facility	221			0.4
Vanier Football Complex	1,099			1.8
BIVAP	2,640			4.4
Flour Mill	19,638			32.7
IGP	5,140			8.6
Edwards Hall	444			0.7
Jardine Terrace	40,248			67.1
Rec Complex	536			0.9
Ackert Hall	10,172			17.0
Ahern Field House/Gym	10,026			16.7
Anderson Hall		0.250	2,112	3.5
Beach Art Museum	1,150			1.9
Bluemont Hall		0.500	4,224	7.0
Boyd Hall	6,971			11.6
Burt Hall		0.500	4,224	7.0
Bushnell Hall		0.500	4,224	7.0
Call Hall		8.000	67,587	112.6
Calvin Hall	2,000			3.3
Cardwell Hall	11,090			18.5
Center for Child Development		0.500	4,224	7.0
Chalmers Hall	8,319			13.9
Chem/Biochem Building	11,310			18.9
Coles Hall	53,085			88.5
Danforth Chapel		0.125	1,056	1.8
Davenport Building	415			0.7

	Known Demands	Estimated Demand		Assume 10 Hrs/d w/Peak of 1
		Unit Avg.	8,448	Demand (GMP)
Derby (Moore, Haymaker, Ford)	87,173			145.3
Dickens Hall		0.500	4,224	7.0
Dole Hall		0.500	4,224	7.0
Durland Hall	2,844			4.7
Dykstra Hall		0.250	2,112	3.5
East Stadium		0.125	1,056	1.8
Eisenhower Hall	1,289			2.1
English/Counseling Services		0.125	1,056	1.8
Facility Shops		0.125	1,056	1.8
Fairchild Hall	100			0.2
Feed Tech		4.000	33,793	56.3
Fiedler Hall	3,869			6.4
Galichia		0.500	4,224	7.0
Goodnow Hall	14,707			24.5
Hale	8,749			14.6
Holton Hall	750			1.3
Holtz Hall		0.125	1,056	1.8
International Student Center		0.125	1,056	1.8
Ion Lab		0.500	4,224	7.0
Justin Hall	2,458			4.1
Kedzie Hall	166			0.3
King Hall		2.000	16,897	28.2
Kramer	23,936			39.9
Leadership Studies	707			1.2
Leasure Hall	873			1.5
Marlatt Hall	27,440			45.7
McCain		0.125	1,056	1.8
Mosier Hall	244,098			406.8
Myers Building	775			1.3
Natatorium		4.000	33,793	56.3
Nichols Hall		0.125	1,056	1.8
Parking Garage	150			0.3
Pat Roberts Hall		2.000	16,897	28.2
Pittman Building	394			0.7
Power Plant (Boilers/Chill Plant)	55,457			92.4
Presidents House		0.125	1,056	1.8
Rathbone Hall	2,421			4.0
Seaton Court	17,947			29.9
Seaton Hall	42,235			70.4
Shellenberger		1.000	8,448	14.1

	Known Demands	Estimated Demand		Assume 10 Hrs/d w/Peak of 1
		Unit Avg.	8,448	Demand (GMP)
Thompson Hall		0.125	1,056	1.8
Throckmorton Hall	17,663			29.4
Trotter Hall		1.000	8,448	14.1
Umberger Hall	965			1.6
Union 1(West Side?)	23,945			39.9
Union 2(East Side?)	3,625			6.0
Ward Hall	413			0.7
Waters Hall		0.500	4,224	7.0
Weber Hall		1.000	8,448	14.1
West Hall	7,399			12.3
Willard Hall	2,011			3.4
Wind Erosion Lab		0.750	6,336	10.6
Total into KSU Distribution System		962,546 GPD		1,604 GPM

Table 2.1 Summary of Average Daily Demand for each Building on K-State Campus

END SECTION



LEGEND
SIZING - COLOR CODING

W .75	0.75" Water Pipe
W 1	1" Water Pipe
W 1.25	1.25" Water Pipe
W 1.5	1.5" Water Pipe
W 2	2" Water Pipe
W 3	3" Water Pipe
W 4	4" Water Pipe
W 6	6" Water Pipe
W 8	8" Water Pipe
W 10	10" Water Pipe
	12" Water Pipe
W 16	16" Water Pipe
W 24	24" Water Pipe
W 4	4" City Water Pipe
W 6	6" City Water Pipe
W 8	8" City Water Pipe
W 10	10" City Water Pipe
	12" City Water Pipe
W 16	16" City Water Pipe
W 24	24" City Water Pipe
(green dot)	Fire Hydrant - No Testing
(red dot)	Fire Hydrant - Flow Test
(cyan dot)	Fire Hydrant- Static/Residual Test
1	Fire Hydrant- Number
100	Fire Hydrant- Flow

1" = 300'

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FIGURE 1A
EXISTING WATER SYSTEM - SIZING

Engineer: BC

Drafter: JP

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FIGURE
1A

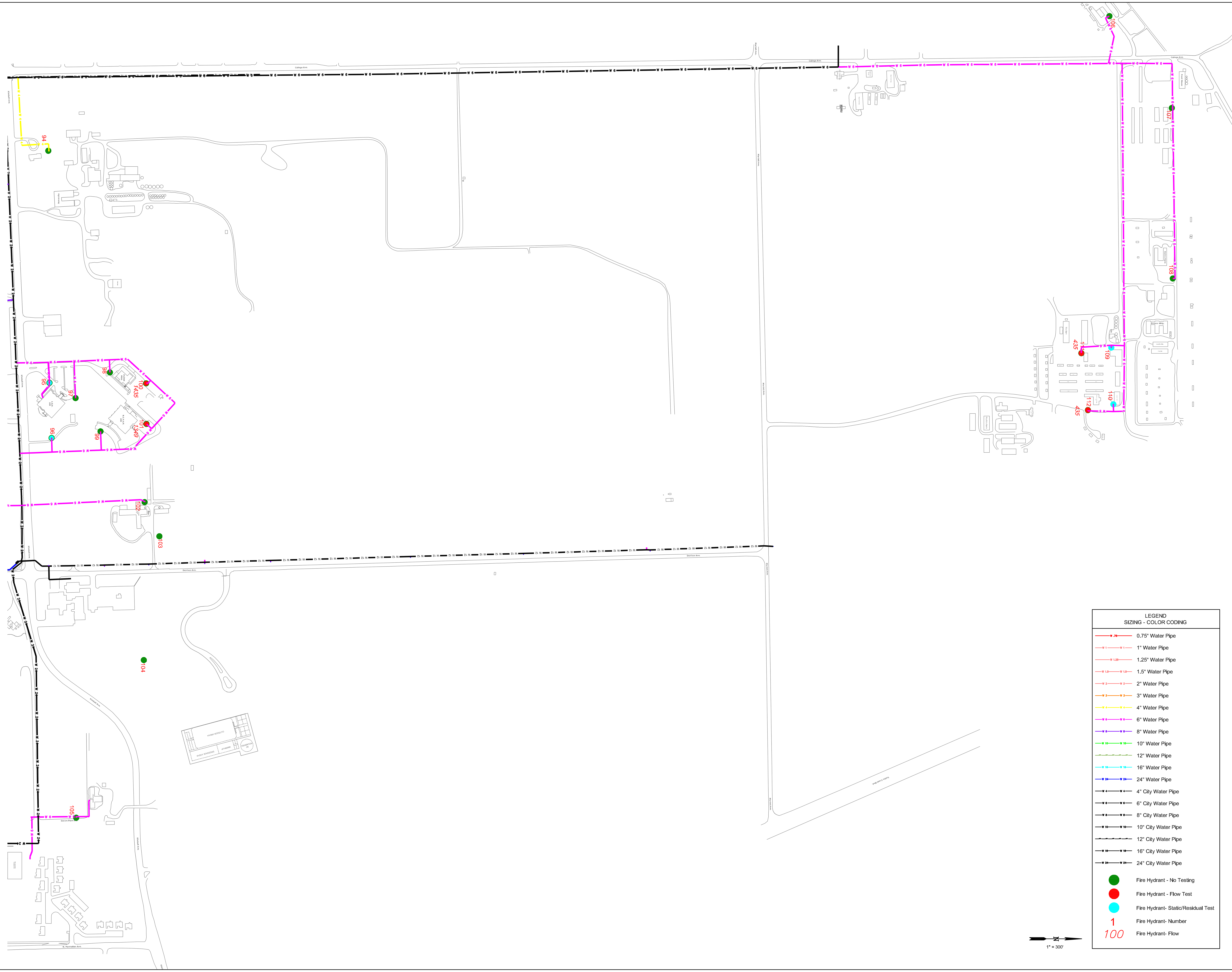

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FIGURE 1B
EXISTING WATER SYSTEM - SIZING

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Drafter: JP

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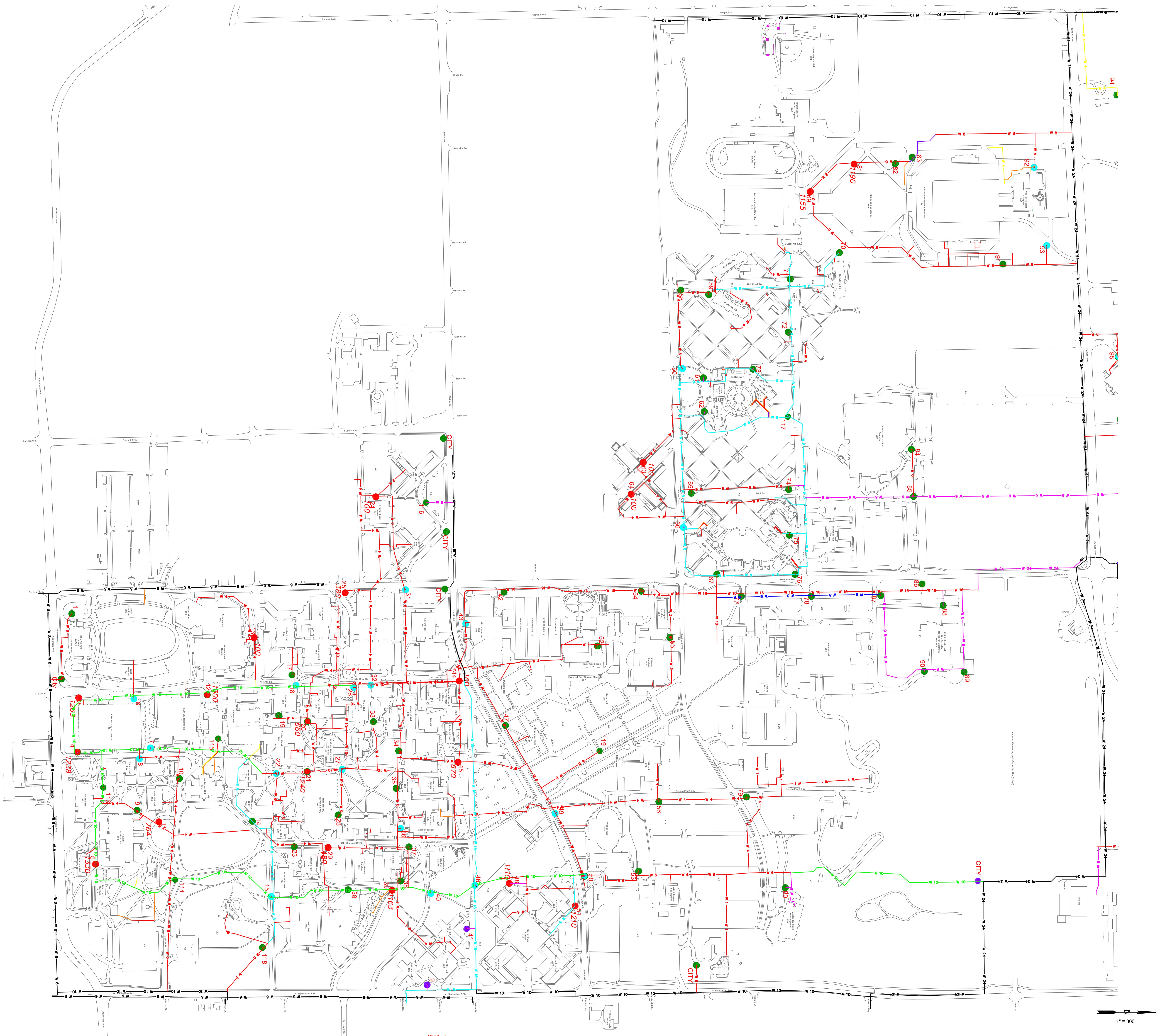
FIGURE
1B



LEGEND
MATERIAL - COLOR CODING

- City
- PVC
- CIP
- Copper
- DIP
- Unknown
- Galvanized
- FIRE HYDRANT - NO TESTING
- FIRE HYDRANT - FLOW TEST
- FIRE HYDRANT- STATIC/RESIDUAL TEST
- 1 FIRE HYDRANT- NUMBER
- 100 FIRE HYDRANT- FLOW

1" = 300'

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FIGURE 2A
EXISTING WATER SYSTEM - MATERIAL

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FIGURE
2A

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FIGURE 2B
EXISTING WATER SYSTEM - MATERIAL

Engineer: BC

Drafter: JP

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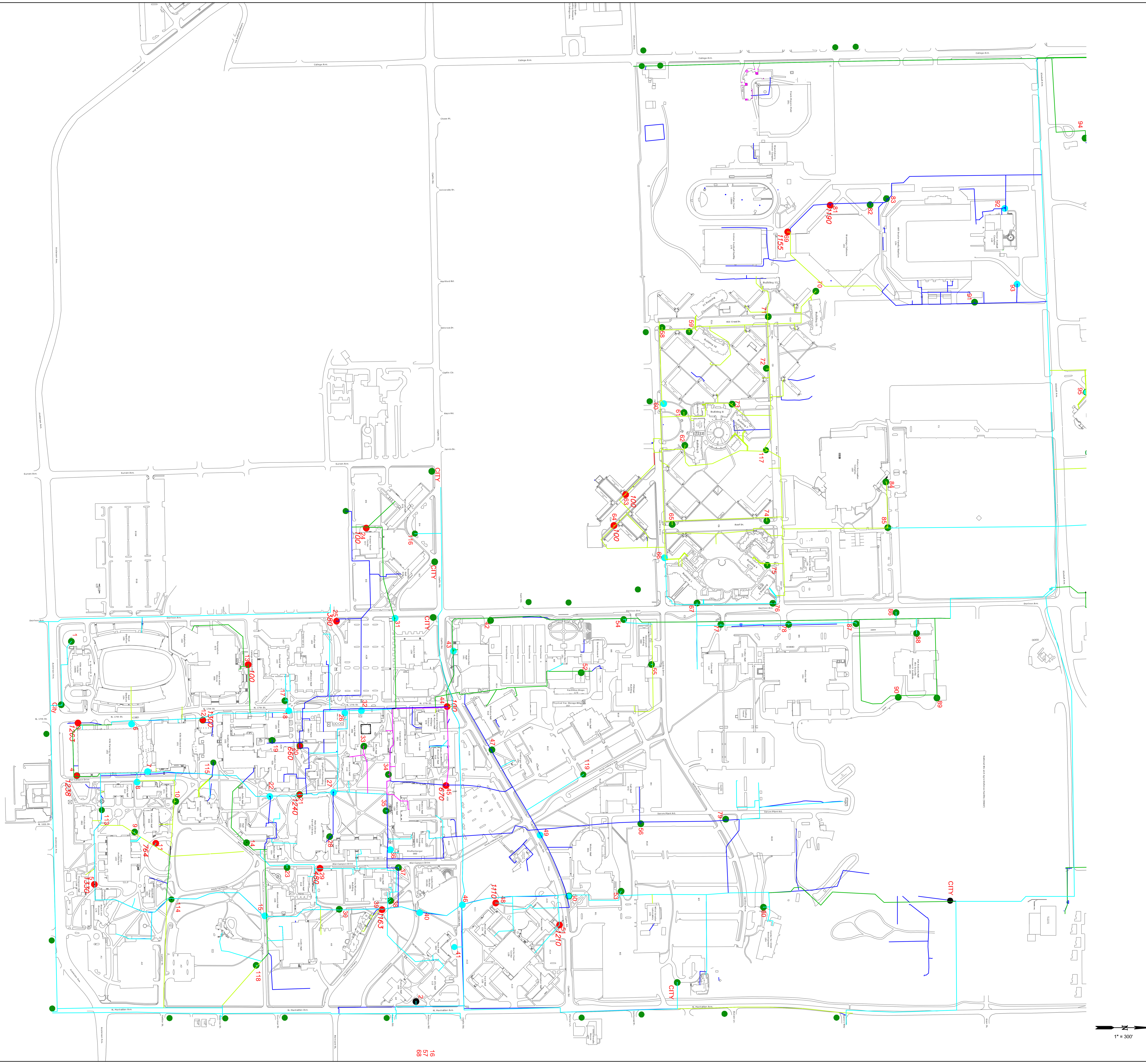
FIGURE
2B



LEGEND
"C" FACTORS

- <= 20.0
- <= 40.0
- <= 60.0
- <= 80.0
- <= 100.0
- <= 130.0
- Other
- Fire Hydrant - No Testing
- Fire Hydrant - Flow Test
- Fire Hydrant- Static/Residual Test
- 1 Fire Hydrant- Number
- 100 Fire Hydrant- Flow

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FIGURE 3A
EXISTING WATER SYSTEM - "C" FACTORS

Engineer: BC
Drafter: JP
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FIGURE 3A

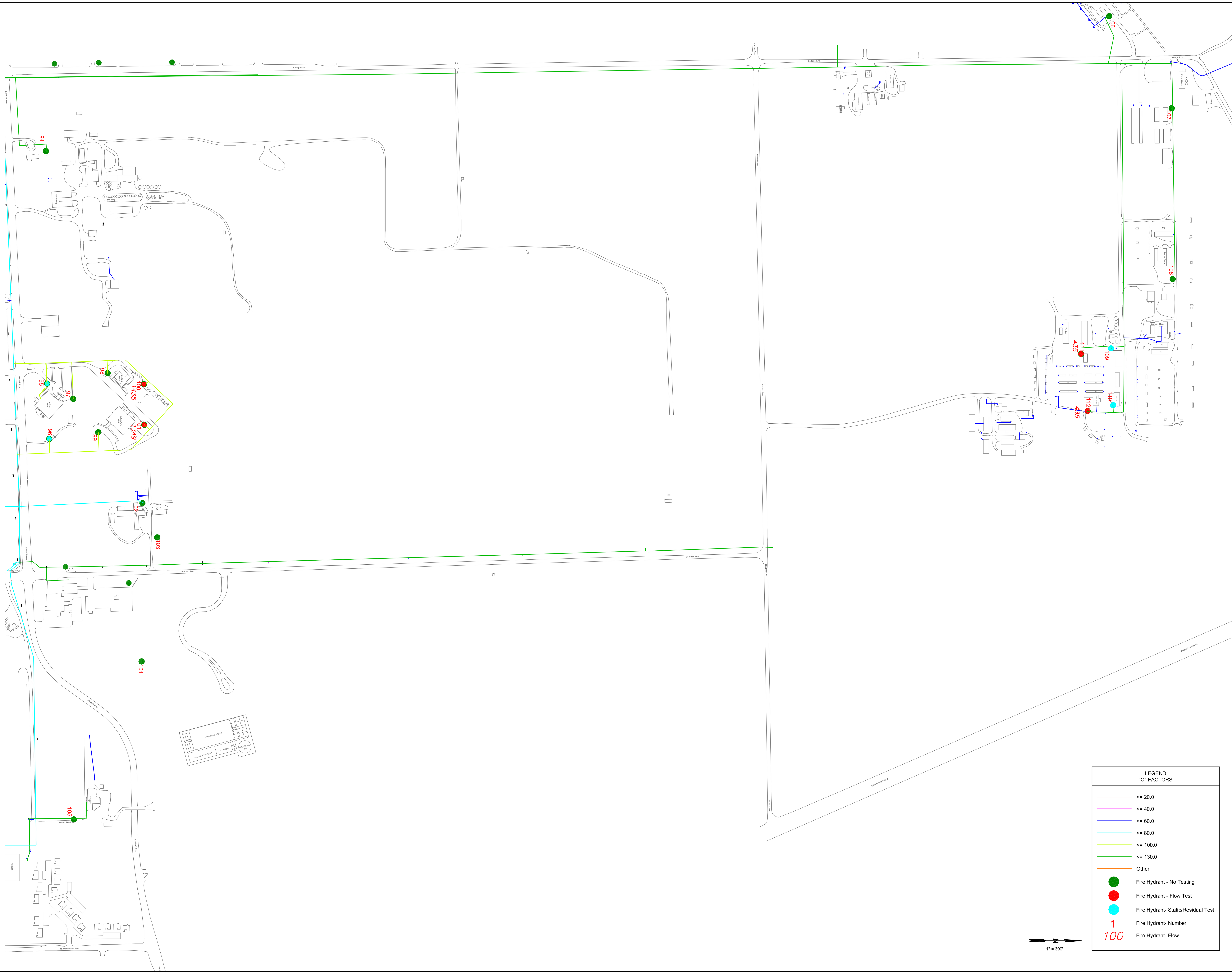

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FIGURE 3B
EXISTING WATER SYSTEM - "C" FACTORS

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Drafter: JP

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FIGURE
3B

SECTION 3

DISTRIBUTION SYSTEM ANALYSIS

3.1. SYSTEM PRESSURES

In analyzing the distribution system for any community, one of the main concerns is the pressures provided at all points throughout the system. The Kansas Department of Health and Environment (KDHE) recommends a minimum of **20 psi** in waterlines under all flow conditions. In general, we do not recommend that service pressure fluctuate more than **10 psi**. We also recommend a service range of **60 psi to 80 psi** for public water supply systems. We analyzed the existing system and found that static pressures throughout the system are typically well above the recommended value between 80 and 100 psi. During normal usage we found that the water distribution system works within KDHE requirements.

3.2. FIRE FLOW PROTECTION

Current KDHE regulations require a minimum of 6" diameter waterlines provide fire protection. Approximately 28.7% of the waterlines within the existing distribution system are smaller than 6" and 20 out of the 114 existing fire hydrants are supplied by a waterline that is smaller than 6". The National Fire Protection Agency (NFPA) standard color coding for available fire hydrant flow rates at 20 psi is listed below.

Classification	Flow at 20 psi.	Color Code
Class C	Less than 500 gpm	Red
Class B	500 to 999 gpm	Orange
Class A	1000 to 1499 gpm	Green
Class AA	1500 and above	Blue

During testing 7 out of the 27 fire hydrants tested could not achieve a flow rate greater than 500 gpm. After creating a distribution model using WaterCAD, it was found that 17 out of the 114 total fire hydrants could not achieve 500 gpm while maintaining 20 psi within the system during normal demand usage with the 10" Connection open. A detailed fire code analysis would be required to determine the recommend flows for each hydrant due to the various size and usage of each building across the main campus. However, it typically is recommend that all fire hydrants be able to flow a minimum of 500 gpm and that fire hydrants near large facilities, such as schools, dormitories, etc. be able to flow a minimum of 1500 gpm.

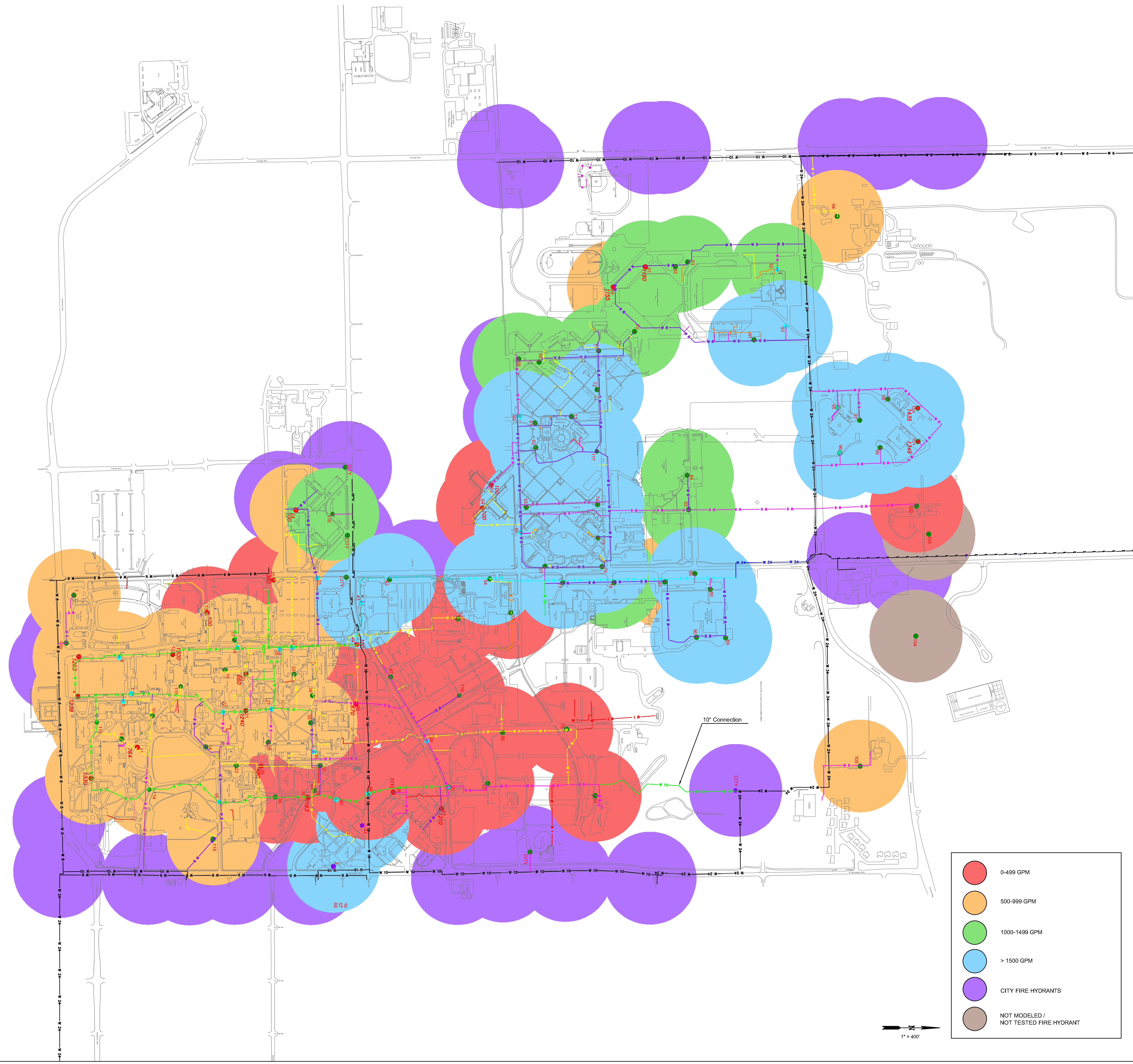
Table A.1, located in the appendix, lists the available fire flow at each hydrant with the 10" Connection both opened and closed. As shown in table A.1, most of the fire hydrants cannot meet the recommended flow of 1500 gpm.

3.3. FIRE HYDRANT SPACING

Fire hydrant spacing is largely set by individual cities and is normally at the discretion of the Fire Chief. This spacing is largely dependent upon the amount of hose each fire truck has available. The objective is that any location within the protection area can be reached by one or more fire hydrants of ample flow. The minimum standard for most cities require fire hydrants to be placed no further than 800 feet apart. This would allow any location to be accessed by 400 feet of fire hose.

The Kansas Department of Health and Environment *Policies, General Considerations, and Design Requirements for Public Water Supply Systems in Kansas* states that fire hydrants should be placed at each street intersection and at intermediate points between intersections. Generally, hydrant spacing may range from 350 feet to 600 feet. This is the same standard as the Ten-States Standard (1997) and as recommended by the State Insurance Service Office. Two maps where created to illustrate the recommended 400 feet radius around each existing fire hydrant within the distribution system. These maps illustrate both the coverage and the NFPA Classification of each fire hydrant located within the distribution system and are located at the end of this section. Figure 4, illustrates the system coverage and available flows with the 10" Connection closed while Figure 5 illustrates the system coverage and available flows with the 10" Connection open.

END SECTION



LEGEND
SIZING - COLOR CODING

- 0.75" Water Pipe
- 1" Water Pipe
- 1.25" Water Pipe
- 1.5" Water Pipe
- 2" Water Pipe
- 3" Water Pipe
- 4" Water Pipe
- 6" Water Pipe
- 8" Water Pipe
- 10" Water Pipe
- 12" Water Pipe
- 16" Water Pipe
- 24" Water Pipe
- 4" City Water Pipe
- 6" City Water Pipe
- 8" City Water Pipe
- 10" City Water Pipe
- 12" City Water Pipe
- 16" City Water Pipe
- 24" City Water Pipe
- Fire Hydrant - No Testing
- Fire Hydrant - Flow Test
- Fire Hydrant- Static/Residual Test
- 1 Fire Hydrant- Number
- 100 Fire Hydrant- Flow

- 0-499 GPM
- 500-999 GPM
- 1000-1499 GPM
- > 1500 GPM
- CITY FIRE HYDRANTS
- NOT MODELED / NOT TESTED FIRE HYDRANT

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FIGURE 4A
AVAILABLE FIRE HYDRANT - 10" CONNECTION - CLOSED

Engineer: BC
Drafter: JP
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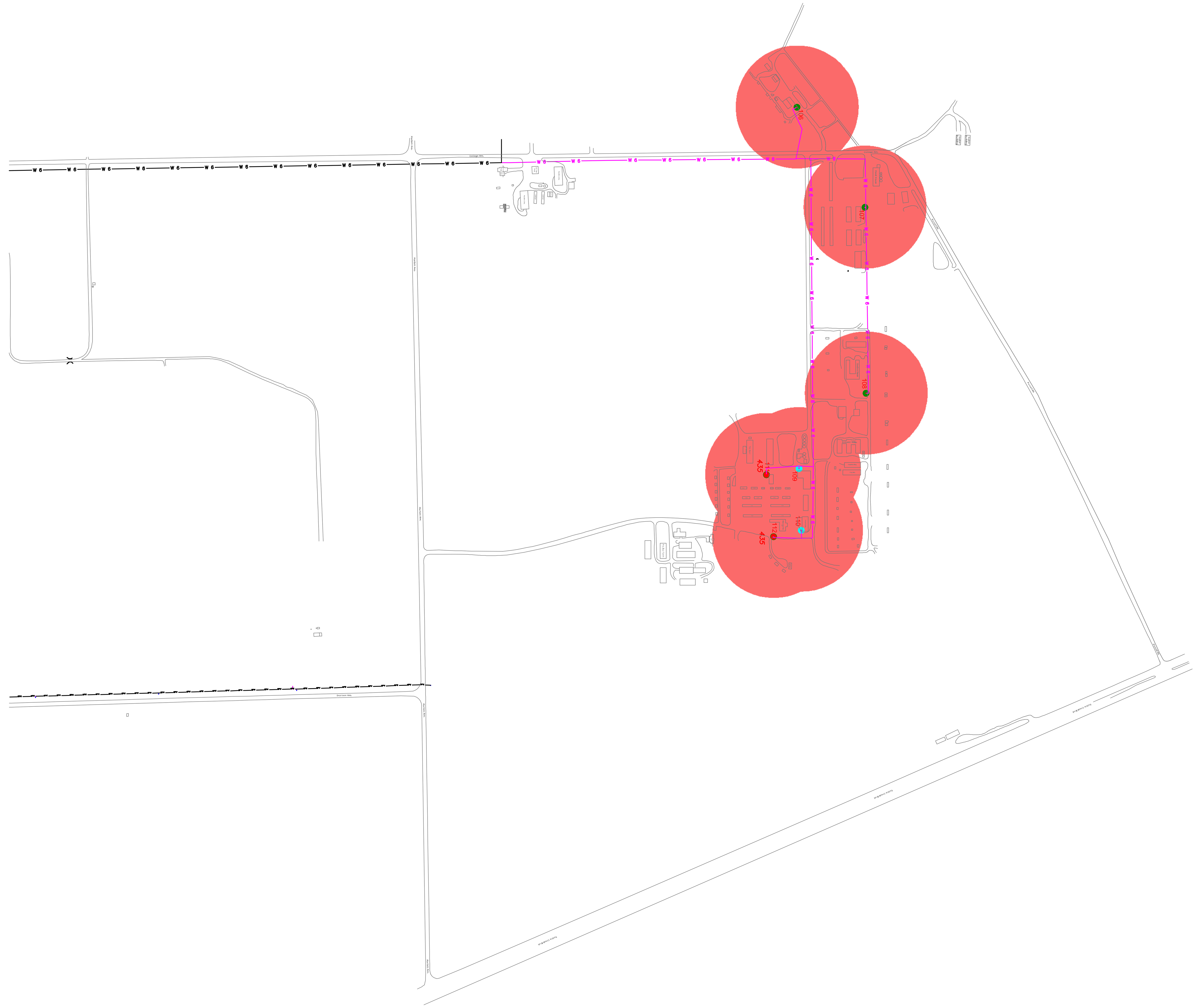
FIGURE 4A



1" = 400'

0-499 GPM	
500-999 GPM	
1000-1499 GPM	
> 1500 GPM	
CITY FIRE HYDRANTS	
NOT MODELED / NOT TESTED FIRE HYDRANT	

LEGEND
SIZING - COLOR CODING

- 0.75" Water Pipe
- 1" Water Pipe
- 1.25" Water Pipe
- 1.5" Water Pipe
- 2" Water Pipe
- 3" Water Pipe
- 4" Water Pipe
- 6" Water Pipe
- 8" Water Pipe
- 10" Water Pipe
- 12" Water Pipe
- 16" Water Pipe
- 24" Water Pipe
- 4" City Water Pipe
- 6" City Water Pipe
- 8" City Water Pipe
- 10" City Water Pipe
- 12" City Water Pipe
- 16" City Water Pipe
- 24" City Water Pipe
- Fire Hydrant - No Testing
- Fire Hydrant - Flow Test
- Fire Hydrant- Static/Residual Test
- 1 Fire Hydrant- Number
- 100 Fire Hydrant- Flow

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FIGURE 4B
AVAILABLE FIRE HYDRANT - 10" CONNECTION - CLOSED

Engineer: BC
Drafter: JP

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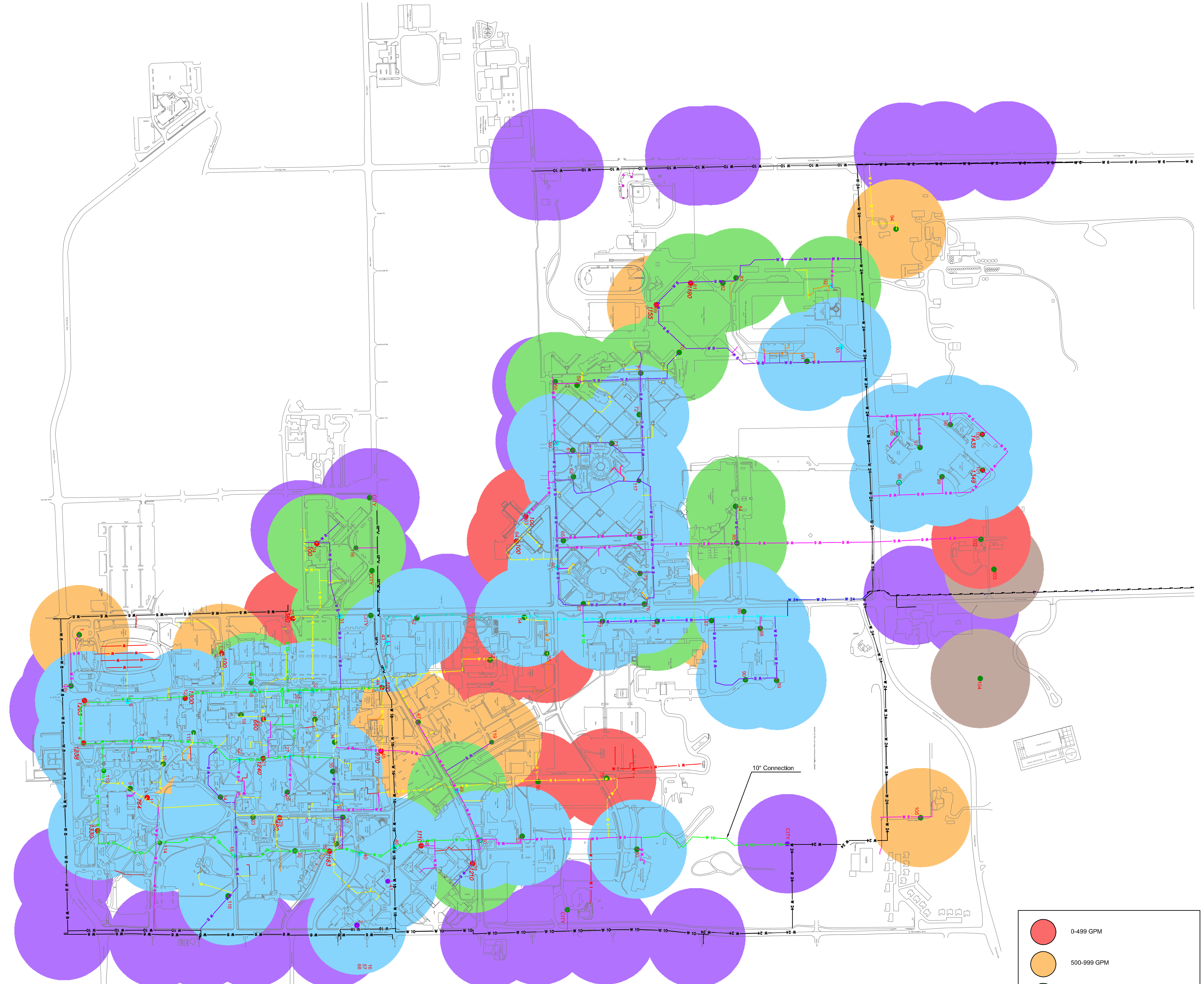
FIGURE
4B



	0-499 GPM
	500-999 GPM
	1000-1499 GPM
	> 1500 GPM
	CITY FIRE HYDRANTS
	NOT MODELED / NOT TESTED FIRE HYDRANT

LEGEND
SIZING - COLOR CODING

- 0.75" Water Pipe
- 1" Water Pipe
- 1.25" Water Pipe
- 1.5" Water Pipe
- 2" Water Pipe
- 3" Water Pipe
- 4" Water Pipe
- 6" Water Pipe
- 8" Water Pipe
- 10" Water Pipe
- 12" Water Pipe
- 16" Water Pipe
- 24" Water Pipe
- 4" City Water Pipe
- 6" City Water Pipe
- 8" City Water Pipe
- 10" City Water Pipe
- 12" City Water Pipe
- 16" City Water Pipe
- 24" City Water Pipe
- Fire Hydrant - No Testing
- Fire Hydrant - Flow Test
- Fire Hydrant- Static/Residual Test
- 1 Fire Hydrant- Number
- 100 Fire Hydrant- Flow

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FIGURE 5A
AVAILABLE FIRE HYDRANT - 10" CONNECTION - OPEN

Engineer: BC
Drafter: JP
Project No.
12-1078M
FIGURE
5A

1" = 400'

	0-499 GPM
	500-999 GPM
	1000-1499 GPM
	> 1500 GPM
	CITY FIRE HYDRANTS
	NOT MODELED / NOT TESTED FIRE HYDRANT

LEGEND
SIZING - COLOR CODING

- 0.75" Water Pipe
- 1" Water Pipe
- 1.25" Water Pipe
- 1.5" Water Pipe
- 2" Water Pipe
- 3" Water Pipe
- 4" Water Pipe
- 6" Water Pipe
- 8" Water Pipe
- 10" Water Pipe
- 12" Water Pipe
- 16" Water Pipe
- 24" Water Pipe
- 4" City Water Pipe
- 6" City Water Pipe
- 8" City Water Pipe
- 10" City Water Pipe
- 12" City Water Pipe
- 16" City Water Pipe
- 24" City Water Pipe
- Fire Hydrant - No Testing
- Fire Hydrant - Flow Test
- Fire Hydrant- Static/Residual Test
- 1 Fire Hydrant- Number
- 100 Fire Hydrant- Flow

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FIGURE 5B
AVAILABLE FIRE HYDRANT - 10" CONNECTION - OPEN

Engineer: BC

Drafter: JP

Project No.
12-1078M

FIGURE
5B

SECTION 4

DISTRIBUTION SYSTEM DEFICIENCIES AND RECOMMENDATIONS

4.1. AREAS OF DEFICIENCIES

The existing Kansas State University Potable Water Distribution has a few deficiencies, most of the deficiencies result from areas of campus that are not covered by fire hydrants that can produce the recommended flow rate of 1500 gpm at 20 psi. As illustrated in Figure 6, located at the end of this section, there are five main areas of concern.

It should be noted that there are couple of additional deficiencies that are not noted on Figure 6. They include the existing booster pump, fire hydrant flow rates around the Football Stadium, fire hydrant flow rates around the Recreation Complex, fire hydrant flow rates in the area to the northwest of the intersection of Kimball and Denison Avenue, and a few various fire hydrants that are located in isolated areas that are on dead end waterlines. These areas are considered secondary deficiencies and are discussed below.

4.2. SECONDARY DEFICIENCIES

4.2.1. EXISTING BOOSTER PUMP

As mentioned before, the Main Supply Connection enters the K-State Power Plant that supplies a 1500 gpm booster pump. The booster pump does not have a bypass and when the service pressure downstream of the pump is above 80 psi, the pump spins freely as water flows through it. This causes a drop in pressure between 3 and 17 psi, depending on the flow rate through the pump. This can reduce pressure system wide and could potentially force the booster pump to turn on more often than is necessary.

The booster pump also has the potential to limit the available fire hydrants flow rates. The maximum designed flow rate for the pump is 1500 gpm. Therefore when a fire hydrant is opened, that hydrant can only flow at a maximum of 1500 gpm. The flow rate would be expected to be less than 1500 gpm due to friction losses as the water travels through the system.

The booster pump was originally installed to maintain K-State distribution system pressure during times when the City of Manhattan could not supply the required pressure. Since that time, the City of Manhattan has completed multiple improvement project that have decreased the amount of pressure fluctuations that the KSU Campus experiences. In addition, the second 10” Waterline Connection that was installed also helps to reduce pressure fluctuations.

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It is recommended that a booster pump bypass be installed to allow for the free flow of water around the booster pump during times when the pump is not needed. However, as stated before this is considered a secondary deficiency and should be kept in mind for any future improvement plans. It is estimated that a booster bypass installation would cost approximately $50,000 or less.

4.2.2. FOOTBALL STADIUM

As illustrated in Figure 5, the available fire hydrant flow at the time this report was completed, show fire hydrants that are expected to produce less than 1500 gpm at 20 psi. This is considered to be a secondary deficiency. The West Stadium Expansion project and the Basketball Training Facility were both under construction at the time that the computer water model was created. There is a potential that some gate valves were closed or that some waterlines were not in place during field testing. It is expected that upon completion of the construction projects, the fire hydrants in this area will produce the recommended fire hydrant flow rate. Therefore, at this time these fire hydrants are considered a secondary deficiency. It is recommended that these fire hydrants be tested upon the completion of construction and the results are included into the computer model in order to confirm the available flow rates.

4.2.3. RECREATION COMPLEX

The Rec Complex Expansion project was also under construction during the time this report was completed. The expansion project included the replacement of a number of fire hydrants in this area. It was unfeasible to include these fire hydrants in this evaluation and is therefore considered to be a secondary deficiency. It is recommended that these fire hydrants also be tested upon the completion of construction and the results are included into the computer model as well.

4.2.4. NW OF THE INTERSECTION OF KIMBALL AND DENISON

Fire hydrant 102 is located at the end of a dead end 6” waterline. This fire hydrant is located inside of an animal pin and is almost buried. This area has experienced recent improvements including the installation of additional fire hydrants that are served off of a City of Manhattan 12” waterline. These new fire hydrants were not included in the field test. The new fire hydrants are expected to produce available fire hydrant flows greater than 1500 gpm at 20 psi, therefore the hydrants in this area of campus are considered to be secondary deficiencies.

4.2.5. ISOLATED FIRE HYDRANTS ON DEAD END LINES

There are a few areas located throughout the campus that cannot produce the recommended flow rate. In most cases, improvements to the City of Manhattan Distribution System would be required in order to improve the flow rate of these hydrants. These fire hydrants are also usually covered by other fire hydrants that are expected to produce the recommended flow rate. Therefore, these hydrants are considered to be secondary deficiencies.

4.3. MAJOR DEFICIENCIES

There are 5 areas of the K-State Campus that are considered to be major deficiencies. They include area #1, the Engineering complex/Kramer Complex, Area #2, the South Jardine Apartments, Area #3, Umberger/Call Hall/Dole Hall/Mosier Hall, Area #4, the Derby Complex, and Area #5, the North Farm. Each of these areas is described below and is illustrated in Figure 6. The recommended improvements that are aimed at addressing the noted deficiencies are also illustrated in Figure 6. A detailed EOPC of each recommendation is included below.

4.3.1. AREA #1 ENGINEERING COMPLEX/KRAMER COMPLEX

This area includes the following buildings: Natatorium, Ahearn Gymnasium, Fiedler Hall, Kramer Dinning Hall, and Goodnow and Marlatt Residence Halls. The following fire hydrants are not expected to produce the recommended flow rate of 1500 gpm, hydrant number 13, 17, 25, 24, 116, and 31. This recommendation will replace a 4" waterline that supplies the Natatorium and Ahearn Field House and Gym. It will also replace a 4" waterline that runs from the power plant to the Kramer Dinning Center. This recommendation will include the installation of a new waterline the runs along Denison Ave. from the Natatorium to Fiedler Hall.

Engineers Opinion of Probable Project Cost					
Area #1					
No.	Description	Qty.	Unit	Unit Price	Total Price
1	Mobilization and Incidentals	Lump Sum		$50,000.00	$ 50,000.00
2	10" PVC Waterline (In Place)	1700	LF	$ 40.00	$ 68,000.00
3	10" PVC Waterline (Bore)	1100	LF	$ 70.00	$ 77,000.00
4	Tracer Wire	2800	LF	$ 0.50	$ 1,400.00
5	Misc. Fittings	Lump Sum		$33,000.00	$ 33,000.00
6	Fire Hydrant Setting	5	EA	$ 4,000.00	$ 20,000.00
7	Connect to Existing Waterline	4	EA	$ 2,000.00	$ 8,000.00
8	Flowable Fill	165	CY	$ 90.00	$ 14,850.00
9	Remove and Replace Surfacing	330	SY	$ 100.00	$ 33,000.00
		10%	Contingency		$ 30,525.00
		Total Construction Cost			$ 335,775.00
		Design Engineering			$ 83,943.75
		Total Opinion of Cost			$ 419,718.75

Table 4.1 – Area #1 EOPC

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4.3.2. AREA #2 SOUTH JARDINE APARTMENT

This area includes the following buildings: Jardine Terrace H, I, N, and M. The following fire hydrants are not expected to produce the recommended flow rate of 1500 gpm, hydrant number 63 and 64. This recommendation will replace the 6" and 4" loop that services these four apartment buildings.

Engineers Opinion of Probable Project Cost					
Area #2					
No.	Description	Qty.	Unit	Unit Price	Total Price
1	Mobilization and Incidentals	Lump Sum		$22,000.00	$ 22,000.00
2	10" PVC Waterline (In Place)	700	LF	$ 40.00	$ 28,000.00
3	10" PVC Waterline (Bore)	600	LF	$ 70.00	$ 42,000.00
4	Tracer Wire	1300	LF	$ 0.50	$ 650.00
5	Misc. Fittings	Lump Sum		$14,000.00	$ 14,000.00
6	Fire Hydrant Setting	3	EA	$ 4,000.00	$ 12,000.00
7	Connect to Existing Waterline	2	EA	$ 2,000.00	$ 4,000.00
8	Flowable Fill	30	CY	$ 90.00	$ 2,700.00
9	Remove and Replace Surfacing	60	SY	$ 100.00	$ 6,000.00
		10%	Contingency		$ 13,135.00
		Total Construction Cost			$144,485.00
		Design Engineering			$ 36,121.25
		Total Opinion of Cost			$180,606.25

Table 4.2 – Area #2 EOPC

4.3.3. AREA #3 UMBERGER/CALL HALL/DOLE HALL/MOSIER HALL

This area includes the following buildings: Military Science Building, Bushnell, Dykstra, Umberger, International Student Center, Dole, Pittman, Various Facility Shops, Call, and Mosier Halls. The following fire hydrants are not expected to produce the recommended flow rate of 1500 gpm, hydrant number 44, 45, 47, 49, 52, 55, 56, 75, and 119. This recommendation will replace a 6” waterline that runs along Claflin Road from Throckmorton to Weber Hall and then north to the Center for Childhood Development Center. This recommendation includes the installation of a waterline the runs along Jardine Road from Denison Ave. to the Center for Childhood Development. It also includes the installation of a waterline that follows part of Mid Campus drive from Claflin Road north to Jardine Road, this waterline will continue behind the Vet Complex and connect to the Pat Roberts Hall Waterline Loop. From here the waterline will continue east along the south property line of the proposed NBAF facility and connect to the existing 10” waterline at a point north of the Center for Childhood development.

Engineers Opinion of Probable Project Cost					
Area #3					
No.	Description	Qty.	Unit	Unit Price	Total Price
1	Mobilization and Incidentals	Lump Sum		$110,000.00	$110,000.00
2	12" PVC Waterline (In Place)	3900	LF	$ 45.00	$175,500.00
3	12" PVC Waterline (Bore)	400	LF	$ 90.00	$ 36,000.00
4	10" PVC Waterline (In Place)	3900	LF	$ 40.00	$156,000.00
5	10" PVC Waterline (Bore)	400	LF	$ 70.00	$ 28,000.00
6	Tracer Wire	4300	LF	$ 0.50	$ 2,150.00
7	Misc. Fittings	Lump Sum		$ 72,000.00	$ 72,000.00
8	Fire Hydrant Setting	17	EA	$ 4,000.00	$ 68,000.00
9	Connect to Existing Waterline	9	EA	$ 2,000.00	$ 18,000.00
10	Flowable Fill	80	CY	$ 90.00	$ 7,200.00
11	Remove and Replace Surfacing	165	SY	$ 100.00	$ 16,500.00
		10%	Contingency		$ 68,935.00
		Total Construction Cost			$758,285.00
		Design Engineering			$189,571.25
		Total Opinion of Cost			$947,856.25

Table 4.3 – Area #3 EOPC

4.3.4. AREA #4 DERBY COMPLEX

This area includes the following buildings: Derby Dinning Center and the Haymaker Residence Hall. The following fire hydrants are not expected to produce the recommended flow rate of 1500 gpm, hydrant number 51. This location also has an area that is not within 400' of any fire hydrants. This recommendation will include the installation of a waterline loop that will wrap around the Derby Dining Center and the four adjacent Residence Halls.

Engineers Opinion of Probable Project Cost					
Area #4					
No.	Description	Qty.	Unit	Unit Price	Total Price
1	Mobilization and Incidentals	Lump Sum		$33,000.00	$ 33,000.00
2	10" PVC Waterline (In Place)	1200	LF	$ 40.00	$ 48,000.00
3	10" PVC Waterline (Bore)	800	LF	$ 70.00	$ 56,000.00
4	Tracer Wire	2000	LF	$ 0.50	$ 1,000.00
5	Misc. Fittings	Lump Sum		$22,000.00	$ 22,000.00
6	Fire Hydrant Setting	6	EA	$ 4,000.00	$ 24,000.00
7	Connect to Existing Waterline	2	EA	$ 2,000.00	$ 4,000.00
8	Flowable Fill	50	CY	$ 90.00	$ 4,500.00
9	Remove and Replace Surfacing	100	SY	$ 100.00	$ 10,000.00
		10%	Contingency		$ 20,250.00
		Total Construction Cost			$ 222,750.00
		Design Engineering			$ 55,687.50
		Total Opinion of Cost			$ 278,437.50

Table 4.4 – Area #4 EOPC

4.3.5. AREA #5 NORTH FARM

This area includes the all of the buildings and services in located at the North Farm. The following fire hydrants are not expected to produce the recommended flow rate of 1500 gpm, hydrant number 106, 107, 108, 109, 110, 111, and 112. This recommendation will include the installation of a waterline from the intersection of Marlatt and Denison Avenues north to connect with the existing water system that serves the North Farm.

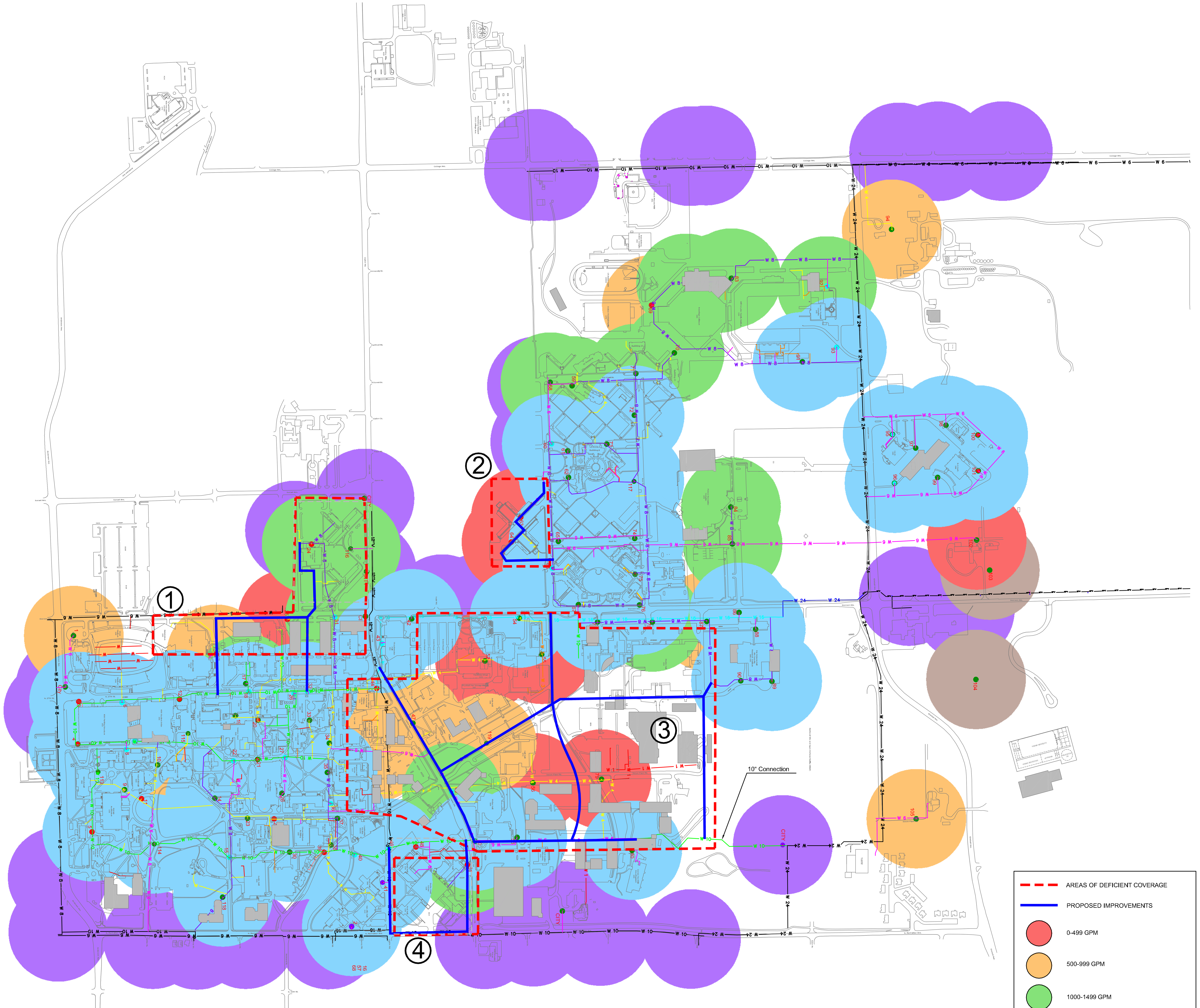
Engineers Opinion of Probable Project Cost					
Area #5					
No.	Description	Qty.	Unit	Unit Price	Total Price
1	Mobilization and Incidentals	Lump Sum		$45,000.00	$ 45,000.00
2	12" PVC Waterline (In Place)	3240	LF	$ 45.00	$ 145,800.00
3	Tracer Wire	3240	LF	$ 0.50	$ 1,620.00
4	Misc. Fittings	Lump Sum		$22,000.00	$ 22,000.00
5	Fire Hydrant Setting	4	EA	$ 4,000.00	$ 16,000.00
6	Connect to Existing Waterline	2	EA	$ 2,000.00	$ 4,000.00
7	Remove and Replace Surfacing	80	SY	$ 15.00	$ 1,200.00
		10%	Contingency		$ 23,562.00
		Total Construction Cost			$ 259,182.00
		Design Engineering			$ 64,795.50
		Total Opinion of Cost			$ 323,977.50

Table 4.5 – Area #5 EOPC

4.4. FUTURE EXPANSION

The current distribution system along with the previously recommended improvements, totaling **$2,150,596.25**, will provide adequate domestic water supply and fire protection based on the projected future building locations as detailed in the 2025 Campus Master Plan.

END SECTION



NOTES:

1. PROPOSED BUILDING FOOTPRINTS FOR THE DERBY AND KRAMER HOUSING AND DINING COMPLEX EXPANSIONS WERE NOT FINALIZED AT THE TIME THIS PLAN WAS DEVELOPED. HOWEVER, WATER AND SEWER USE ESTIMATES WERE CONSIDERED FOR THESE BUILDING EXPANSIONS AND ARE INCLUDED IN THE MODELING RESULTS SHOWN ON THIS PLAN.

1" = 400'

- AREAS OF DEFICIENT COVERAGE
- PROPOSED IMPROVEMENTS
- 0-499 GPM
- 500-999 GPM
- 1000-1499 GPM
- > 1500 GPM
- CITY FIRE HYDRANTS
- NOT MODELED / NOT TESTED FIRE HYDRANT

LEGEND
SIZING - COLOR CODING

W .75	0.75" Water Pipe
W 1	1" Water Pipe
W 1.25	1.25" Water Pipe
W 1.5	1.5" Water Pipe
W 2	2" Water Pipe
W 3	3" Water Pipe
W 4	4" Water Pipe
W 6	6" Water Pipe
W 8	8" Water Pipe
W 10	10" Water Pipe
	12" Water Pipe
W 16	16" Water Pipe
W 24	24" Water Pipe
W 4	4" City Water Pipe
W 6	6" City Water Pipe
W 8	8" City Water Pipe
W 10	10" City Water Pipe
	12" City Water Pipe
W 16	16" City Water Pipe
W 24	24" City Water Pipe
	Fire Hydrant - No Testing
	Fire Hydrant - Flow Test
	Fire Hydrant- Static/Residual Test
1	Fire Hydrant- Number
100	Fire Hydrant- Flow

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FIGURE 6A
AREAS OF DEFICIENT FIRE HYDRANT COVERAGE

Engineer: BC
Drafter: JP
Project No. 12-1078M
FIGURE 6A

AREAS OF DEFICIENT COVERAGE
PROPOSED IMPROVEMENTS
0-499 GPM
500-999 GPM
1000-1499 GPM
> 1500 GPM
CITY FIRE HYDRANTS
NOT MODELED / NOT TESTED FIRE HYDRANT

LEGEND
SIZING - COLOR CODING

0.75" Water Pipe
1" Water Pipe
1.25" Water Pipe
1.5" Water Pipe
2" Water Pipe
3" Water Pipe
4" Water Pipe
6" Water Pipe
8" Water Pipe
10" Water Pipe
12" Water Pipe
16" Water Pipe
24" Water Pipe
4" City Water Pipe
6" City Water Pipe
8" City Water Pipe
10" City Water Pipe
12" City Water Pipe
16" City Water Pipe
24" City Water Pipe
Fire Hydrant - No Testing
Fire Hydrant - Flow Test
Fire Hydrant- Static/Residual Test
1 Fire Hydrant- Number
100 Fire Hydrant- Flow

1" = 400'

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FIGURE 6B
AREAS OF DEFICIENT FIRE HYDRANT COVERAGE

Engineer: BC
Drafter: JP
Project No. 12-1078M
FIGURE 6B

APPENDIX

- Fire Hydrant Field Flow Testing Results
- Booster Pump Station Testing Results
- Provided Water Consumption Data
- Table A.1 – Available Fire Hydrant Flow Rates

Kansas State University
Flow Testing Project No. 12-1078M
3/22/12 to 3/23/12

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/22/2012	
1B	**4**					**70.0**	**1238**	**Flow**	**Diffuser**
1C	**6**		**109**	**70**	**39**			**Test**	
1D	**7**		**100**	**65**	**35**			**Test**	
1A	**3**					**74.0**	**1263**	**Flow**	**Diffuser**
1C	**6**		**109**	**74**	**35**			**Test**	
1D	**7**		**100**	**70**	**30**			**Test**	
1A	**3**							**Flow**	**Diffuser**
1B	**4**							**Flow**	**Diffuser**
1C	**6**		**109**	**38**	**71**			**Test**	
1D	**7**		**100**	**33**	**67**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 9:26	
2A	**5**					**63.0**	**1330**	**Flow**	
2C	**8**		**97**	**61**	**36**			**Test**	
2D	**15**		**105**	**69**	**36**			**Test**	
2B	**11**					**24.0**	**764**	**Flow**	**Diffuser**
2C	**8**		**97**	**71**	**26**			**Test**	
2D	**15**		**105**	**79**	**26**			**Test**	
2A	**5**					**45.0**	**1125**	**Flow**	
2B	**9**					**12.0**	**537**	**Flow**	**Diffuser**
2C	**8**		**97**	**42**	**55**			**Test**	
2D	**15**		**105**	**48**	**57**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 9:52	
3A	**12**					**60.0**	**1300**	**Flow**	
3C	**18**		**93**	**62**	**31**			**Test**	
3D	**22**		**95**	**65**	**30**			**Test**	
3B	**13**					**0.0**	**100**	**Flow**	**Diffuser**
3C	**18**		**93**	**90**	**3**			**Test**	
3D	**22**		**95**	**90**	**5**			**Test**	
3A	**12**					**53.0**	**1220**	**Flow**	
3B	**13**					**0.0**	**100**	**Flow**	**Diffuser**
3C	**18**		**93**	**56**	**37**			**Test**	
3D	**22**		**95**	**58**	**37**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 10:15	
4A	**20**					**18.0**	**660**	**Flow**	**Diffuser**
4C	**26**		**92**	**72**	**20**			**Test**	
4D	**27**		**90**	**72**	**18**			**Test**	
4B	**21**					**55.0**	**1240**	**Flow**	
4C	**26**		**92**	**62**	**30**			**Test**	
4D	**27**		**90**	**64**	**26**			**Test**	
4A	**20**					**10.0**	**493**	**Flow**	**Diffuser**
4B	**21**					**37.0**	**1025**	**Flow**	
4C	**26**		**92**	**42**	**50**			**Test**	
4D	**27**		**90**	**45**	**45**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	2/28/2012 8:55	
5A	**24**					**0.0**	**100**	**Flow**	**Diffuser**
5C	**31**		**93**	**80**	**13**			**Test**	
5D	**32**		**96**	**92**	**4**			**Test**	
5B	**25**					**5.0**	**380**	**Flow**	
5C	**31**		**93**	**86**	**7**			**Test**	
5D	**32**		**96**	**91**	**5**			**Test**	
5A	**24**					**0.0**	**100**	**Flow**	**Diffuser**
5B	**25**					**3.0**	**290**	**Flow**	
5C	**31**		**93**	**72**	**21**			**Test**	
5D	**32**		**96**	**88**	**8**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	2/28/2012 10:37	
6A	**29**					**8.0**	**480**	**Flow**	
6C	**26**		**98**	**85**	**13**			**Test**	
6D	**40**		**104**	**95**	**9**			**Test**	
6B	**39**					**60.0**	**1163**	**Flow**	**Diffuser**
6C	**36**		**98**	**58**	**40**			**Test**	
6D	**40**		**104**	**64**	**40**			**Test**	
6A	**29**					**5.0**	**380**	**Flow**	
6B	**39**					**50.0**	**1077**	**Flow**	**Diffuser**
6C	**36**		**98**	**49**	**49**			**Test**	
6D	**40**		**104**	**55**	**49**			**Test**	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 11:07	
7A	44					0.0	100	Flow	
7C	43		100	100	0			Test	
7D	49		105	102	3			Test	
7B	45					16.0	670	Flow	
7C	43		100	100	0			Test	
7D	49		105	66	39			Test	
7A	44					0.0	100	Flow	
7B	45					14.0	630	Flow	
7C	43		100	100	0			Test	
7D	49		105	63	42			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 7:10	
8A	48					44.0	1110	Flow	
8C	46		110	72	38			Test	
8D	50		104	64	40			Test	
8B	51					52.0	1210	Flow	
8C	46		110	73	37			Test	
8D	50		104	66	38			Test	
8A	48					23.0	805	Flow	
8B	51					27.0	875	Flow	
8C	46		110	44	66			Test	
8D	50		104	35	69			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 8:20	
9A	64					0.0	100	Flow	
9C	60		83	83	0			Test	
9D	66		96	95	1			Test	
9B	63					0.0	100	Flow	Diffuser
9C	60		83	81	2			Test	
9D	66		96	94	2			Test	
9A	64					0.0	100	Flow	Diffuser
9B	63					0.0	100	Flow	
9C	60		83	81	2			Test	
9D	66		96	82	14			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 7:55	
10A	69					59.0	1155	Flow	Difuser
10C	92		90	77	13			Test	
10D	93		92	91	1			Test	
10B	81					50.0	1190	Flow	
10C	92		90	81	9			Test	
10D	93		92	91	1			Test	
10A	69					24.0	764	Flow	Diffuser
10B	81					25.0	840	Flow	
10C	92		90	63	27			Test	
10D	93		92	91	1			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/28/2012 7:34	
11A	100					73.0	1435	Flow	
11C	95		92	82	10			Test	
11D	96		94	82	12			Test	
11B	101					91.0	1349	Flow	Diffuser
11C	95		92	82	10			Test	
11D	96		94	82	12			Test	
11A	100					62.0	1320	Flow	
11B	101					69.0	1231	Flow	Diffuser
11C	95		92	74	18			Test	
11D	96		94	76	18			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	3/22/2012	
12A	111					8.0	435	Flow	Diffuser
12C	109		92	9	83			Test	
12D	110		92	10	82			Test	
12B	112					8.0	435	Flow	Diffuser
12C	109		92	16	76			Test	
12D	110		92	9	83			Test	
12A	111					4.0	279	Flow	Diffuser
12B	112					0.0	100	Flow	Diffuser
12C	109		92	4	88			Test	
12D	110		92	0	92			Test	

Kansas State University
Flow Testing Project No. 12-1078M
3/22/12 to 3/23/12

One Way Flow			Pressure (psi)		Pressure	Field Flow	Calculated	
Run Size	**FH #**	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	Comments
8"	**87**					40.0	974	Flow - Diffuser
	78		100	48	52			Test
	77		102	82	20			Test
6"	**48**					22.0	790	Flow - No Diffuser
	50		104	33	71			Test
	53		106	38	68			Test
								Flow
								Test
								Test
								Flow
								Test
								Test
								Flow
								Test
								Test
								Flow
								Test
								Test
								Flow
								Test
								Test
								Flow
								Test
								Test

Kansas State University
Flow Testing Project No. 12-1078M
6/18/2012

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)		
13A	5					60.0	1300	Flow	
13C	4		101	68	33			Test	
13D	7		98	58	40			Test	
13E	114		112	70	42			Test	
13A	5					36.0	1010	Flow	
13B	113					27.0	875	Flow	
13C	4		101	40	61			Test	
13D	7		98	32	66			Test	
13E	114		112	44	68			Test	
13B	113					52.0	1210	Flow	
13C	4		101	64	37			Test	
13D	7		98	58	40			Test	
13E	114		112	69	43			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)		
14A	21					59.0	1290	Flow	
14C	20		106	70	36			Test	
14D	26		104	66	38			Test	
14E	27		105	70	35			Test	
14A	18					30.0	920	Flow	
14B	21					33.0	965	Flow	
14C	20		106	48	58			Test	
14D	26		104	38	66			Test	
14E	27		105	41	64			Test	
14B	18					52.0	1210	Flow	
14C	20		106	64	42			Test	
14D	26		104	64	40			Test	
14E	27		105	68	37			Test	

Zone Flow			Pressure (psi)		Pressure	Field Flow	Calculated		
Run No.	Hydrant No.	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)		
15A	29					10.0	530	Flow	
15C	36		108	98	10			Test	
15D	40		114	115	-1			Test	
15A	29		100			5.0	380	Flow	
15B	39					55.0	1240	Flow	
15C	36		108	60	48			Test	
15D	40		114	60	54			Test	
15B	39					68.0	1385	Flow	
15C	36		108	70	38			Test	
15D	40		114	74	40			Test	

Kansas State University
Flow Testing Project No. 12-1078M
3/22/12 to 3/23/12

One Way Flow			Pressure (psi)		Pressure	Field Flow	Calculated	
Run Size	**FH #**	Location	Static	Residual	Loss (psi)	(psi)	Flow (gpm)	Comments
10	**6**					55.0	1265	Flow
	12		115	64	51			Test
	18		100	58	42			Test

								Flow
								Test
								Test

								Flow
								Test
								Test

								Flow
								Test
								Test

								Flow
								Test
								Test

								Flow
								Test
								Test

								Flow
								Test
								Test

								Flow
								Test
								Test

Kansas State University

Flow Testing Project No. 12-1078M

6/1/2012

Time	Up Stream Pressure	Actual Meter Reading (Units in 6 Sec.)	Booster Meter Reading (CCF/Min)	Booster Meter Reading (GPM)	Predicted FH Flow (GPM)	Down Stream Pressure	Fire Hydrant (Actual)		Fire Hydrant (Target)		Difference in Predicted Flow and Actual Flow (GPM)	Headloss Across Pump (PSI)	Headloss Across Pump (FT)
							Pressure	Flow Rate	Pressure	Flow Rate			
Before	110	6	0.6	449	0	93.5	0	0	0	0	0	16.5	38.115
8:30	105	11	1.1	823	374	93.2	6	410	6	410	36	11.8	27.258
	103	12	1.2	898	449	92.8	9	500	9	500	51	10.2	23.562
	102	14	1.4	1,047	598	92.1	13	605	13	605	7	9.9	22.869
	101	16	1.6	1,197	748	91.9	18	710	18	710	-38	9.1	21.021
	100	17	1.7	1,272	823	91.7	23	805	23	805	-18	8.3	19.173
	99	18	1.8	1,346	898	91.1	29	905	29	905	7	7.9	18.249
	98	19	1.9	1,421	972	90.5	36	1010	36	1010	38	7.5	17.325
	96	20	2	1,496	1,047	89.7	43	1100	43	1100	53	6.3	14.553
9:40	92	22	2.2	1,646	1,197	89.2	50	1190	51	1200	-7	2.8	6.468
							X	X	60	1300			
							X	X	70	1405			
							X	X	80	1500			

2011 KSU ACCOUNTS WITH CONSUMPTION

SVC	CUS ID	LOC ID	NAME	MTR#	INS YY	SIZE	ST#	ST NAME	MO	CCF CONSUMPTION
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	1	7.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	2	8.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	3	13.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	4	10.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	5	13.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	6	10.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	7	3.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	8	5.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	9	7.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	10	14.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	11	14.00
WA	6046	6047	KSU FOUNDATION	16570460	1	0100	1811	PLATT ST	12	11.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	1	6.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	2	27.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	3	1.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	4	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	5	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	6	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	7	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	8	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	9	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	10	0.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	11	1.00
WA	6046	8103	KSU FOUNDATION	35998257	10	0075	918	MANHATTAN AVE	12	0.00
WA	6046	8707	KSU FOUNDATION	19095048	81	0062	1226	THURSTON ST	7	0.00
WA	6046	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	7	0.00
WA	6046	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	8	0.00
WA	6046	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	9	0.00
WA	6046	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	10	0.00
WA	6046	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	11	1.00
WA	6046	9929	KSU FOUNDATION	14021741	4	0062	1719	ANDERSON AVE	6	0.00
WA	6046	9941	KSU FOUNDATION	97694865	97	0062	1735	ANDERSON AVE	6	1.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	1	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	2	1.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	3	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	4	1.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	5	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	6	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	7	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	8	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	9	1.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	10	0.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	11	1.00
WA	8708	8101	KSU FOUNDATION	35419370	9	0062	914	MANHATTAN AVE	12	0.00
WA	8708	8707	KSU FOUNDATION	19095048	81	0062	1226	THURSTON ST	7	0.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	1	3.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	2	1.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	3	4.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	4	6.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	5	4.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	6	21.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	7	25.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	8	48.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	9	48.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	10	58.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	11	40.00
IR	8708	8709	KSU FOUNDATION	36042235	9	0100	1100	MANHATTAN AVE	12	32.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	1	3.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	2	1.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	3	4.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	4	6.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	5	4.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	6	21.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	7	25.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	8	48.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	9	48.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	10	58.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	11	40.00
WA	8708	8709	KSU FOUNDATION	33555374	8	0062	1100	MANHATTAN AVE	12	32.00
WA	8708	8959	KSU FOUNDATION	98691785	99	0062	1120	MANHATTAN AVE	7	0.00

WA	8708	8959 KSU FOUNDATION	98691785	99 0062	1120 MANHATTAN AVE	8	0.00
WA	8708	8959 KSU FOUNDATION	98691785	99 0062	1120 MANHATTAN AVE	9	0.00
WA	8708	8959 KSU FOUNDATION	98691785	99 0062	1120 MANHATTAN AVE	10	0.00
WA	8708	8959 KSU FOUNDATION	98691785	99 0062	1120 MANHATTAN AVE	11	1.00
WA	8708	9929 KSU FOUNDATION	14021741	4 0062	1719 ANDERSON AVE	6	0.00
WA	8708	9931 KSU FOUNDATION	14021766	4 0062	1721 ANDERSON AVE	7	10.00
WA	8708	9941 KSU FOUNDATION	97694865	97 0062	1735 ANDERSON AVE	6	1.00
WA	8708	9943 KSU FOUNDATION	28383499	4 0100	1741 ANDERSON AVE	6	0.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	1	23.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	2	19.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	3	26.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	4	21.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	5	29.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	6	25.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	7	19.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	8	33.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	9	27.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	10	29.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	11	26.00
WA	9922	9923 KSU DIVISION OF FACILITIES	51232756	2 0200	1615 ANDERSON AVE	12	25.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	1	0.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	2	0.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	3	0.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	4	0.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	5	9.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	6	8.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	7	67.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	8	378.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	9	194.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	10	163.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	11	141.00
IR	10064	10065 KSU DIVISION OF FACILITIES	35767103	11 0200	2323 ANDERSON AVE	12	0.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	1	146.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	2	178.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	3	176.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	4	107.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	5	141.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	6	115.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	7	235.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	8	134.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	9	271.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	10	230.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	11	206.00
WA	10066	10067 KSU DIVISION OF FACILITIES	35766913	11 0400	2323 ANDERSON AVE	12	191.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	1	58.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	2	3.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	3	8.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	4	8.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	5	6.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	6	11.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	7	2.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	8	14.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	9	6.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	10	6.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	11	6.00
WA	10896	10897 FORESTRY BLDG/KSU FACILITIES	31862852	93 0150	2610 CLAFLIN RD	12	7.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	1	2.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	2	3.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	3	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	4	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	5	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	6	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	7	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	8	5.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	9	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	10	4.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	11	3.00
WA	10898	10899 FORESTRY DEPT/KSU FACILITIES	35165695	8 0100	2610 CLAFLIN RD	12	3.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	1	46.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	2	36.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	3	45.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	4	66.00

WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	5	101.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	6	91.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	7	80.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	8	209.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	9	168.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	10	140.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	11	110.00
WA	10900	10901 KSU DIVISION OF FACILITIES	22057315	75 0150	2610 CLAFLIN RD	12	85.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	1	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	2	1.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	3	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	4	1.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	5	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	6	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	7	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	8	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	9	1.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	10	0.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	11	1.00
WA	10926	8101 KSU DIVISION OF FACILITIES	35419370	9 0062	914 MANHATTAN AVE	12	0.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	1	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	2	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	3	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	4	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	5	3.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	6	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	7	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	8	3.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	9	3.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	10	2.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	11	3.00
WA	10926	10927 KSU DIVISION OF FACILITIES	24339466	2 0100	1600 COLLEGE AVE	12	2.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	1	0.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	2	0.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	3	1.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	4	1.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	5	2.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	6	6.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	7	14.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	8	9.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	9	4.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	10	3.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	11	5.00
IR	10926	21729 KSU DIVISION OF FACILITIES	24337307	2 0100	1600 COLLEGE AVE	12	8.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	1	0.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	2	0.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	3	0.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	4	0.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	5	0.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	6	177.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	7	379.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	8	1189.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	9	770.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	10	643.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	11	116.00
WA	10934	10935 KSU DIVISION OF FACILITIES	18048607	2 0400	0 KSU FB PRAC FD CHRSTN PK	12	3.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	1	9.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	2	8.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	3	6.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	4	6.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	5	7.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	6	8.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	7	10.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	8	15.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	9	194.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	10	186.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	11	186.00
WA	10936	7455 KSU DIVISION OF FACILITIES	41980467	11 0100	510 MCCALL RD	12	272.00
IR	10936	7457 KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	1	0.00
IR	10936	7457 KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	2	0.00
IR	10936	7457 KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	3	0.00
IR	10936	7457 KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	4	0.00

IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	5	0.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	6	6.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	7	0.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	8	350.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	9	110.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	10	0.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	11	0.00
IR	10936	7457	KSU DIVISION OF FACILITIES	37152868	3 0100	510 MCCALL RD	12	0.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	1	3.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	2	15.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	3	1.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	4	21.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	5	0.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	6	46.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	7	10.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	8	1.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	9	0.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	10	6.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	11	11.00
WA	10936	7489	KSU DIVISION OF FACILITIES	24339303	2 0062	1111 HAYES DR	12	2.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	1	19.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	2	16.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	3	33.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	4	90.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	5	449.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	6	342.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	7	257.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	8	634.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	9	203.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	10	96.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	11	201.00
IR	10936	10937	KSU DIVISION OF FACILITIES	1594947	7 0300	1710 COLLEGE AVE	12	59.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	1	19.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	2	16.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	3	33.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	4	90.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	5	449.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	6	342.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	7	257.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	8	634.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	9	203.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	10	96.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	11	201.00
WA	10936	10937	KSU DIVISION OF FACILITIES	70640954	7 0400	1710 COLLEGE AVE	12	59.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	1	6.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	2	6.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	3	5.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	4	5.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	5	4.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	6	6.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	7	4.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	8	8.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	9	7.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	10	8.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	11	7.00
WA	10936	22941	KSU DIVISION OF FACILITIES	24351114	2 0150	510 MCCALL RD	12	8.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	1	3.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	2	8.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	3	5.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	4	5.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	5	71.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	6	237.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	7	47.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	8	482.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	9	187.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	10	287.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	11	64.00
WA	10938	10939	KSU DIVISION OF FACILITIES	26251401	81 0400	0 KSU BRANDEBARRY BUILDING	12	138.00
WA	10942	10943	KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	1	0.00
WA	10942	10943	KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	2	0.00
WA	10942	10943	KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	3	0.00
WA	10942	10943	KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	4	0.00

WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	5	2.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	6	0.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	7	2.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	8	0.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	9	4.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	10	6.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	11	17.00
WA	10942	10943 KSU DIVISION OF FACILITIES	7194322	87 0800	2025 KIMBALL AVE	12	3.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	1	0.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	2	1.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	3	1.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	4	1.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	5	9.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	6	11.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	7	11.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	8	159.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	9	84.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	10	93.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	11	88.00
WA	10944	10945 KSU DIVISION OF FACILITIES	7194322A	87 0400	2025 KIMBALL AVE	12	18.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	1	0.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	2	0.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	3	0.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	4	0.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	5	13.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	6	3.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	7	2.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	8	371.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	9	135.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	10	210.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	11	234.00
WA	10946	10947 KSU DIVISION OF FACILITIES	7194322B	87 0400	2025 KIMBALL AVE	12	104.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	1	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	2	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	3	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	4	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	5	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	6	1.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	7	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	8	34.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	9	0.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	10	49.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	11	14.00
WA	10960	10961 KSU DIVISION OF FACILITIES	24336495	2 0062	0 KSU KIMBALL & COLLEGE	12	0.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	1	253.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	2	276.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	3	465.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	4	1228.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	5	338.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	6	213.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	7	209.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	8	1125.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	9	1365.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	10	1217.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	11	1275.00
WA	10962	10963 KSU DIVISION OF FACILITIES	1155249	83 0600	2201 KIMBALL AVE	12	543.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	1	75.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	2	15.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	3	10.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	4	14.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	5	65.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	6	3.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	7	27.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	8	647.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	9	263.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	10	677.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	11	346.00
WA	10968	10969 KSU AGRONOMY FARM	18318627	67 0200	0 KSU AGRONOMY FARM	12	21.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	1	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	2	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	3	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	4	0.00

WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	5	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	6	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	7	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	8	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	9	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	10	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	11	0.00
WA	11212	11213 KSU DIVISION OF FACILITIES	29800302	5 0200	0 KSU DENISON AT FOOTBALL	12	0.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	1	3.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	2	8.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	3	7.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	4	6.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	5	3.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	6	4.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	7	8.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	8	129.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	9	9.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	10	4.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	11	3.00
WA	11214	11215 KSU DIVISION OF FACILITIES	24777083	2 0200	810 DENISON AVE	12	57.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	1	215.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	2	130.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	3	385.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	4	184.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	5	276.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	6	255.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	7	112.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	8	234.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	9	276.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	10	568.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	11	487.00
WA	11500	11501 KSU HOUSING	63020117	3 0300	0 KSU PUTNAM HALL	12	347.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	1	230.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	2	83.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	3	359.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	4	255.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	5	306.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	6	185.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	7	26.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	8	40.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	9	79.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	10	334.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	11	326.00
WA	11504	11505 KSU HOUSING & DINING	35726419	9 0300	0 KSU VAN ZYLE HALL	12	278.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	1	48.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	2	30.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	3	72.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	4	51.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	5	60.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	6	42.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	7	6.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	8	47.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	9	57.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	10	75.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	11	82.00
WA	11514	11515 KSU HOUSING	8877523	96 0200	0 KSU SMURTHWAITE	12	46.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	1	0.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	2	0.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	3	0.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	4	0.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	5	3.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	6	12.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	7	42.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	8	124.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	9	119.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	10	67.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	11	38.00
WA	11872	11873 KSU HOUSING & DINING	31685365	91 0150	0 KSU VAN ZYLE & PUTNAM IRR	12	1.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	1	10.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	2	8.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	3	19.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	4	15.00

WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	5	31.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	6	448.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	7	513.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	8	3606.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	9	1306.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	10	2207.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	11	332.00
WA	12408	21897 KSU DIVISION OF FACILITIES	31928608	2 0600	1947 KIMBALL AVE	12	1087.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	1	22890.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	2	31830.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	3	33560.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	4	26400.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	5	40130.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	6	36730.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	7	52250.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	8	55010.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	9	54410.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	10	50750.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	11	37880.00
WA	12414	12415 KSU DIV OF FAC #1	25755854	10 1600	0 KSU HEAT & POWER BILL 1	12	27770.00
WA	26358	9943 KSU FOUNDATION	28383499	4 0100	1741 ANDERSON AVE	6	0.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	1	9.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	2	12.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	3	13.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	4	14.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	5	8.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	6	10.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	7	6.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	8	7.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	9	9.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	10	11.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	11	10.00
WA	26358	11231 KSU FOUNDATION	89805091	90 0100	1033 DENISON AVE	12	6.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	1	8.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	2	13.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	3	14.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	4	6.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	5	8.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	6	11.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	7	5.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	8	54.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	9	38.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	10	11.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	11	22.00
WA	54506	24545 KSU TESTING & RESEARCH LAB	19979188	99 0075	245 LEVEE DR	12	8.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	1	6.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	2	27.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	3	1.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	4	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	5	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	6	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	7	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	8	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	9	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	10	0.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	11	1.00
WA	58558	8103 KSU DIVISION OF FACILITIES	35998257	10 0075	918 MANHATTAN AVE	12	0.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	1	1508.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	2	1751.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	3	1882.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	4	1348.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	5	2195.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	6	2137.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	7	2127.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	8	4531.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	9	3904.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	10	3318.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	11	1798.00
WA	58558	26079 KSU DIVISION OF FACILITIES	18048608	3 0600	0 KSU FARM METER	12	1574.00
WA	58558	27775 KSU DIVISION OF FACILITIES	14249980	5 0062	0 C H TOWER & MARLATT AVE	1	0.00
WA	58558	27775 KSU DIVISION OF FACILITIES	14249980	5 0062	0 C H TOWER & MARLATT AVE	2	10.00
WA	58558	27775 KSU DIVISION OF FACILITIES	14249980	5 0062	0 C H TOWER & MARLATT AVE	3	30.00

WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	4	8.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	5	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	6	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	7	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	8	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	9	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	10	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	11	0.00
WA	58558	27775	KSU DIVISION OF FACILITIES	14249980	5	0062	0	C H TOWER & MARLATT AVE	12	0.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	1	27.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	2	26.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	3	32.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	4	24.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	5	32.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	6	33.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	7	15.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	8	29.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	9	21.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	10	30.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	11	37.00
WA	58786	24867	KSU DIVISION OF FACILITIES	60227999	0	0200	1701	MANHATTAN AVE	12	28.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	1	1.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	2	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	3	9.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	4	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	5	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	6	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	7	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	8	110.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	9	4.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	10	16.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	11	15.00
WA	58786	31519	KSU DIVISION OF FACILITIES	09062675	9	0600	0	KSU EQUINE EDUCATION CTR	12	8.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	1	1.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	2	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	3	9.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	4	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	5	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	6	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	7	0.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	8	110.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	9	4.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	10	16.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	11	15.00
WA	58786	31519	KSU DIVISION OF FACILITIES	19062675	9	0100	0	KSU EQUINE EDUCATION CTR	12	8.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	1	6.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	2	10.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	3	7.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	4	47.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	5	112.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	6	139.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	7	109.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	8	1174.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	9	310.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	10	116.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	11	162.00
WA	58786	31811	KSU DIVISION OF FACILITIES	36481331	10	1000	0	KSU LARGE ANIMAL RESEARCH	12	113.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	1	71.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	2	95.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	3	104.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	4	49.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	5	40.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	6	31.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	7	11.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	8	25.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	9	57.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	10	73.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	11	80.00
WA	58786	31845	KSU DIVISION OF FACILITIES	10023447	10	0600	0	KSU PURE BREED BEEF UNIT	12	61.00
WA	58786	32021	KSU DIVISION OF FACILITIES	40302150	10	0062	0	KSU SWINE BARNS	1	159.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10	0600	0	KSU CHILD CARE CENTER	1	1242.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10	0600	0	KSU CHILD CARE CENTER	2	19.00

WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	3	33.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	4	34.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	5	39.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	6	53.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	7	43.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	8	278.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	9	96.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	10	73.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	11	85.00
WA	58786	32047	KSU DIVISION OF FACILITIES	35757025	10 0600	0 KSU CHILD CARE CENTER	12	47.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	1	116.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	2	49.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	3	56.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	4	87.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	5	77.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	6	106.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	7	96.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	8	515.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	9	284.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	10	439.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	11	339.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24331256	3 0600	1980 KIMBALL AVE	12	176.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	1	116.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	2	49.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	3	56.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	4	87.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	5	77.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	6	106.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	7	96.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	8	515.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	9	284.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	10	439.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	11	339.00
WA	68554	26071	GRAIN SCIENCE FACILITY KIMBALL	24334575	3 0600	1980 KIMBALL AVE	12	176.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	1	5.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	2	4.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	3	7.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	4	11.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	5	27.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	6	48.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	7	46.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	8	380.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	9	189.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	10	277.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	11	193.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24727021	3 0600	2010 KIMBALL AVE	12	101.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	1	5.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	2	4.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	3	7.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	4	11.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	5	27.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	6	48.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	7	46.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	8	380.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	9	189.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	10	277.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	11	193.00
WA	68554	26073	GRAIN SCIENCE FACILITY KIMBALL	24707506	3 0600	2010 KIMBALL AVE	12	101.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	1	4.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	2	5.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	3	7.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	4	7.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	5	6.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	6	6.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	7	8.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	8	9.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	9	11.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	10	14.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	11	4.00
WA	68932	24449	KSU PRINTING SERVICES	99072527	99 0200	5980 CORPORATE DR	12	2.00

University Billed Units: CCF

Read Date	Year	Month	Boyd-Wtr	Davenport-Wtr	Derby-Wtr	Goodnow-Wtr	Kramer-Wtr	Marlatt-Wtr	Pittman-Wtr	West-Wtr	Jardine Terrace W0450	Jardine Terrace W0455	Edwards Hall W0025-high	Edwards Hall W0025-low	Rec Complex	Rec Complex-Handball Crt
1/13/2009	2009	1	0	7	1415	101	114	74	7	65						
2/12/2009	2009	2	0	10	4181	695	725	515	6	413						
3/17/2009	2009	3	0	12	4404	718	715	578	8	436						
4/15/2009	2009	4	0	11	3793	547	525	528	2	343						
5/20/2009	2009	5	22	14	5215	759	747	662	17	441						
6/17/2009	2009	6	163	11	2687	149	229	560	8	98			-5	0	-394	-1
7/17/2009	2009	7	189	11.5	2712	95	139.5	454	16.5	59.5						
8/18/2009	2009	8	215	12	2737	41	50	348	25	21			-4	-13	-437	-1
9/15/2009	2009	9	394	11	4907	602	732	67	3	132	0	1655	-3	-11	-389	-5
10/14/2009	2009	10	372	14	4997	791	789	507	0	684	0	1711	-4	-14	-312	-5
11/18/2009	2009	11	402	16	5996	1006	1009	1380	11	568	0	2011	-5	-19	-243	-3
12/17/2009	2009	12	242	11	4171	601	1190	2015	8	389	0	1669	-4	-18	-142	0
1/21/2010	2010	1	89	13	2531	225	697	227	8	187	0	1748	-3	-13	-124	0
2/17/2010	2010	2	253	12	4201	639	0	0	8	584	0	1574	-4	-15	-220	0
3/17/2010	2010	3	217	14	3936	572	211	1039	8	177	0	1629	-3	-12	-203	0
4/15/2010	2010	4	218	13	4141	632	401	622	9	364	0	1686	-4	-15	-212	-2
5/13/2010	2010	5	304	13	4241	773	582	793	10	399	0	1648	-3	-13	-376	-2
6/10/2010	2010	6	54	20	1244	301	143	267	3	102	0	1628	-3	-15	-397	-2
7/15/2010	2010	7	248	16	1979	289	143	314	21	53	0	1979	-4	-17	-593	-2
8/18/2010	2010	8	175	31	2198	505	157	168	13	34	0	1737	-4	-18	-608	-4
9/16/2010	2010	9	411	15	3964	903	405	0	13	366	0	1748	-4	-18	-608	-2
10/14/2010	2010	10	431	21	3847	928	773	0	12	416	0	686	-2	-9	0	0
11/18/2010	2010	11	518	16	5324	1046	750	1062	13	510	0	3111	-5	-27	0	-8
12/16/2010	2010	12	210	11	3011	454	516	1003	10	279	0	1622	-3	-12	0	0
1/19/2011	2011	1	59	12	1576	122	118	174	0	98	0	1924	-4	-26	0	0
2/17/2011	2011	2	337	11	3907	681	774	1016	0	407	0	1692	-3	-16	0	0
3/17/2011	2011	3	338	13	3865	666	758	975	24	407	0	1626	-3	-14	0	0
4/20/2011	2011	4	302	13	4069	607	644	921	12	365	0	1980	-4	-18	0	0
5/12/2011	2011	5	295	10	3483	590	574	820	10	308	0	1313	-3	-12	0	0
6/15/2011	2011	6	77	14	2648	315	299	398	16	54	0	2009	-5	-16	0	-6
7/14/2011	2011	7	362	13	2696	741	552	857	11	113	0	1778	-3	-12	0	0
8/11/2011	2011	8	354	11	2940	787	298	957	12	0	0	1727	-3	-12	0	0
9/15/2011	2011	9	554	14	5282	1366	741	634	16	360	0	2170	-2	-12	0	-6
10/13/2011	2011	10	612	12	4795	1054	878	1540	7	428	0	1718	-5	-13	0	-4
11/18/2011	2011	11	527	17	5642	908	857	2658	12	537	0	2180	-5	-16	0	-6
12/15/2011	2011	12	242	11	1638	472	434	678	7	276	0	1600	-3	-9	0	0
1/12/2012	2012	1	27	10	925	50	50	108	6	48	0	1570	-3	-8	0	0
2/16/2012	2012	2	384	17	1462	834	785	1122	10	484	0	2127	-4	-15	0	0
3/15/2012	2012	3	324	13	1157	759	674	959	9	428	0	1719	-3	-11	0	0

The Rec Complex and Handball Court were all measured through a meter that also measued Jardine Terrace, so were credited back to Housing.

The Rec Complex has been expanded and water lines changed, so these water meters (Rec Complex and Handball Court) are likely no longer active.

Jardine Terrace was not part of the ESPC project, so although I track all bills as a service to the Customer, I don't question them. Don't know where W0450 is or why it is zero. W0455 is by the gas meter across the street from Jardine.

City of Manhattan

Units: CCF

Read Date	Putnam-Wtr	Read Date	Van Zile-Wtr	Read Date	Smurthwaite-Wtr
1/27/2009	183	1/27/2009	293	1/27/2009	29
2/25/2009	315	2/25/2009	286	2/27/2009	73
3/27/2009	280	3/27/2009	389	3/26/2009	55
4/21/2009	301	4/21/2009	370	4/21/2009	65
5/27/2009	216	5/27/2009	285	5/28/2009	38
6/26/2009	158	6/26/2009	165	6/29/2009	5
7/24/2009	176	7/24/2009	99	7/27/2009	3
8/27/2009	256	8/21/2009	227	8/21/2009	17
9/28/2009	524	9/27/2009	403	9/24/2009	67
10/28/2009	436	10/26/2009	428	10/28/2009	46
11/24/2009	248	11/23/2009	352	11/24/2009	43
12/28/2009	215	12/22/2009	298	12/24/2009	29
1/27/2010	115	1/27/2010	240	1/27/2010	25
2/26/2010	273	2/25/2010	392	2/26/2010	53
3/29/2010	180	3/23/2010	361	3/29/2010	40
4/28/2010	248	4/22/2010	436	4/28/2010	54
5/27/2010	188	5/23/2010	297	5/27/2010	32
6/25/2010	102	6/23/2010	68	6/25/2010	1
7/28/2010	133	7/25/2010	102	7/29/2010	3
8/27/2010	372	8/25/2010	198	8/26/2010	29
9/27/2010	407	9/26/2010	456	9/27/2010	78
10/27/2010	395	10/26/2010	416	10/26/2010	71
11/23/2010	262	11/22/2010	323	11/23/2010	63
12/28/2010	215	12/22/2010	230	12/28/2010	48
1/27/2011	130	1/23/2011	83	1/27/2011	30
2/28/2011	385	2/23/2011	359	2/28/2011	72
3/29/2011	184	3/27/2011	255	3/29/2011	51
4/25/2011	276	4/26/2011	309	4/27/2011	60
5/31/2011	255	5/26/2011	197	5/31/2011	42
6/24/2011	112	6/26/2011	68	6/28/2011	6
7/25/2011	234	7/26/2011	164	7/28/2011	47
8/24/2011	276	8/24/2011	148	8/30/2011	57
9/26/2011	568	9/25/2011	401	9/27/2011	75
10/25/2011	487	10/25/2011	364	10/31/2011	82
11/22/2011	347	11/22/2011	279	11/30/2011	46
12/23/2011	258	12/22/2011	227	12/28/2011	35
1/25/2012	131	1/24/2012	142	1/30/2012	42
2/24/2012	389	2/22/2012	325	2/28/2012	66
3/27/2012	320	3/26/2012	280	3/29/2012	46

Account Name	Account #
KSU Putnam Hall	11500-11501
KSU Van Zyle Hall	11504-11505
KSU Van Zyle & Putnam Irr	11872-11873
KSU Smurthwaite	11514-11515

Meters have been combined in tracking under "Van Zile-Water"

Meter type	Water
Unit of measure	gal (US)

Consumption			Day of month																															
Meter	Year	Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Grand Total
Ackert_DomWater1	2012	March												-	-	-	-	-	-	-	-	4,850	2,690	4,890	7,340	5,950	5,820	8,910	9,920	10,690	12,350	12,120	8,720	94,250
		April	8,050	11,880	9,160	9,910	9,670	7,950	6,380	6,160	10,290	8,780	9,160	8,030	8,440	6,310	6,540	9,640	10,780	10,177	9,990	9,350	7,060	7,800	8,940	10,640	10,200	10,083	10,670	8,110	7,100	9,810		267,056
		May	9,340	11,000	9,750	10,660	7,190	7,600	9,190	9,250	10,700	9,446	10,894	7,830	6,630	7,952	7,258	7,480	7,550	240														149,959
	2012 Total		17,390	22,880	18,910	20,570	16,860	15,550	15,570	15,410	20,990	18,226	20,054	15,860	15,070	14,262	13,798	17,120	18,330	10,417	9,990	14,200	9,750	12,690	16,280	16,590	16,020	18,993	20,590	18,800	19,450	21,930	8,720	511,266
Ackert_DomWater1 Total			17,390	22,880	18,910	20,570	16,860	15,550	15,570	15,410	20,990	18,226	20,054	15,860	15,070	14,262	13,798	17,120	18,330	10,417	9,990	14,200	9,750	12,690	16,280	16,590	16,020	18,993	20,590	18,800	19,450	21,930	8,720	511,270
Ahearn_Gym_DomWater3	2012	May															2,400	3,600	3,300	100														9,400
	2012 Total																2,400	3,600	3,300	100														9,400
Ahearn_Gym_DomWater3 Total																	2,400	3,600	3,300	100														9,400
Beach_DomWater5	2012	April																									-	-	-	-	-	500		500
		May	1,500	1,400	1,200	1,300	1,100	1,200	2,000	2,800	2,700	1,751	1,549	1,800	-	200	200	100	100	-														20,900
	2012 Total		1,500	1,400	1,200	1,300	1,100	1,200	2,000	2,800	2,700	1,751	1,549	1,800	-	200	200	100	100	-							-	-	-	-	-	500		21,400
Beach_DomWater5 Total			1,500	1,400	1,200	1,300	1,100	1,200	2,000	2,800	2,700	1,751	1,549	1,800	-	200	200	100	100	-							-	-	-	-	-	500		21,400
Boiler1FeedwaterFlow	2011	March																								-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
		March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														-
	2012 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boiler1FeedwaterFlow Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boiler2FeedwaterFlow	2011	March																								466	1,327	1,196	1,313	1,125	1,248	1,662	1,487	9,823
		April	779	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		779
		May	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	-	-	-	-	-	-	-	-	-	-	-	-	3
		June	-	441	947	1,108	883	868	804	956	1,132	1,074	1,337	1,191	1,147	1,092	1,040	1,260	1,362	1,018	604	-	-	886	1,158	1,504	1,287	884	1,238	612	-	-		25,833
		July	-	-	-	-	646	1,169	1,447	1,094	1,213	1,194	536	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	7,300
		August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	504	504
		September	1,391	1,271	1,398	1,405	1,785	2,019	2,042	1,065	-	-	-	904	1,456	1,879	1,023	300	300	300	300	153	-	-	-	-	-	1,481	1,945	1,639	1,869	2,001		27,926
		October	2,493	2,001	484	-	-	-	-	-	2	0	-	-	-	1	-	-	1,265	2,849	2,677	2,753	1,058	3,011	2,615	2,342	2,308	3,862	4,060	3,034	2,671	2,316	2,759	44,561
		November	-	-	-	95	2,488	2,623	3,339	1,599	1,425	1,010	-	452	1,560	1,862	279	1,264	1,571	1,358	1,195	1,615	1,657	1,160	1,185	1,789	3,436	987	1,165	952	31	-		36,097
		December	60	24	-	1,627	2,273	1,641	1,663	1,434	1,620	1,914	1,712	1,629	953	-	24	-	4	0	-	1,809	1,492	1,501	447	0	5	422	1,433	1,408	1,314	1,228	1,347	28,982
	2011 Total		4,723	3,736	2,829	4,234	8,075	8,320	9,295	6,147	5,392	5,192	3,586	4,176	5,115	4,833	2,367	2,823	4,502	5,527	4,778	6,330	4,207	6,559	5,405	6,101	8,363	8,832	11,154	8,770	7,133	7,207	6,098	181,809
	2012	January	1,701	1,588	1,924	1,271	1,822	713	-	14	44	1	-	-	18	-	-	-	591	1,570	1,988	1,583	1,477	2,117	1,119	187	465	11	-	-	-	132	375	20,708
		February	219	775	41	591	2,189	2,341	2,652	620	856	2,616	2,179	2,707	1,894	2,568	1,572	2,436	1,907	1,940	1,546	1,133	31	72	51	56	56	56	56	39	706			33,906
		March	1,152	1,642	366	366	366	192	71	69	29	-	-	1,639	2,683	2,308	2,671	3,508	2,952	2,779	1,378	123	125	72	19	30	95	-	-	5	61	121	159	24,979
		April	104	878	1,638	4,098	4,010	3,713	4,603	3,741	2,493	-	199	191	23	9	9	69	149	447	382	403	403	403	3,370	1,916	4,435	303	104	9	9	106		38,217
		May	-	70	212	166	10	-	-	-	184	549	773	103	260	242	225	272	255	-														3,320
	2012 Total		3,175	4,953	4,180	6,492	8,396	6,958	7,325	4,444	3,606	3,165	3,151	4,641	4,879	5,127	4,476	6,285	5,854	6,735	5,294	3,242	2,036	2,665	4,558	2,188	5,052	370	160	54	777	359	534	121,132
Boiler2FeedwaterFlow Total			7,898	8,689	7,010	10,726	16,471	15,279	16,620	10,592	8,998	8,358	6,737	8,817	9,994	9,961	6,843	9,109	10,356	12,262	10,072	9,572	6,243	9,223	9,963	8,289	13,415	9,202	11,313	8,823	7,909	7,565	6,631	302,940
Boiler3FeedwaterFlow	2011	March																								-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	4	15	14	13	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		70
		May	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		June	-	-	-	-	-	-	-	8	16	20	24	18	20	11	15	18	21	20	20	15	18	22	14	16	16	23	19	15	21	14		403
		July	20	18	15	19	15	11	-	-	-	0	-	-	-	-	-	-	-	5	19	15	-	1	-	1	-	-	-	-	-	-	-	140
		August	0	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1
		September	-	-	-	-	-	-	-	8	21	19	19	19	22	20	20	17	23	24	21	24	19	15	23	21	25	17	18	20	20	22		456
		October	15	23	21	27	22	25	18	25	23	18	17	17	19	22	22	23	19	24	15	17	6	24	23	21	19	21	22	19	19	24	19	629
		November	18	19	23	26	16	22	16	23	21	19	25	25	17	21	22	22	18	24	20	19	24	16	19	27	27	18	16	23	19	23		628
		December	23	20	20	18	21	20	22	22	23	20	18	22	24	19	17	20	17	21	20	21	20	19	23	24	20	20	23	23	19	23	18	638
	2011 Total		76	80	78	90	74	82	71	100	116	113	110	102	104	92	97	100	97	118	115	111	87	96	101	110	107	99	98	99	97	105	38	2,965
	2012	January	14	18	23	20	18	19	19	24	20	23	21	16	-	-	-	-	-	0	-	-	-	-	0	-	-	7	21	20	18	23	22	347
		February	20	19	0	5	26	24	23	14	15	20	16	20	22	24	24	24	21	19	16	18	20	21	19	24	20	16	16	22	26			555
		March	23	20	18	17	28	24	23	21	16	22	19	23	19	23	21	17	23	20	18	21	23	26	23	13	25	22	22	22	25	18	24	658
		April	19	17	24	23	22	20	20	22	19	22	17	21	22	20	20	29	23	23	27	16	22	21	12	16	29	20	20	21	12	12		612
		May	27	23	23	21	22	20	25	23	24	20	22	22	18	24	21	21	23	1														380
	2012 Total		103	97	87	86	117	107	109	104	95	106	94	103	80	91	86	91	90	63	62	56	65	68	55	52	74	65	78	86	82	53	46	2,551
Boiler3FeedwaterFlow Total			179	177	166	177	191	189	181	203	211	219	204	205	184	183	182	191	188	182	177	166	152	164	155	162	181	164	176	185	179	158	84	5,517
Boiler4FeedwaterFlow	2011	March																								-	-	-	-	-	-	-	-	-
		April	-	164	37	1,103	569	-	277	262	-	-	-	571	929	1,284	1,796	336	206	206	464	858	829	314	-	-	-	-	-	-	-	-		10,208
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	491	933	843	746	1,036	1,461	1,333	1,085	1,499	763	847	922	11,959
		June	921	522	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	1,105	830		3,879
		July	927	968	1,054	1,231	741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,117	1,282	1,752	1,818	1,416	1,602	1,463	15,373
		August	139	1,060	490	-	-	-	-	-	-	-	-	-	-	-	950	1,148	1,193	1,266	1,122	1,615	1,583	1,531	1,335	1,379	1,677	1,329	563	784	1,389	1,363	2,710	24,627
		September	3,798	3,798	3,798	475	-	-	-	648	1,306	1,121	1,092	506	-	-	1,084	1,542	1,534	1,498	1,589	1,495	1,620	1,821	1,946	1,830	1,594	1,147	-	-	-	-		35,242
		October	-	-	1,175	1,430	765	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116	-	104	15	-	-	-	-	510	137	53	795	5,100
		November	1,673	2,131	1,272	818	133	-	158	366	-	101	1	-	-	23	1,230	965	974	786	1,020	1,070	1,112	1,069	1,081	416	7	541	911	1,026	1,274	1,030		21,189
		December	1,340	647	0	0	709	1,355	979	1,478	1,329	1,068	1,056	811	582	965	1,259	1,123	1,010	875	861	0	190	678	1,565	1,204	1,078	1,228	591	-	-	-	-	23,982
	2011 Total		8,798	9,290	7,825	5,058	2,918	1,355	1,414	2,755	2,635	2,290	2,149	1,889	1,511	2,271	6,320	5,114	4,917	4,632	5,057	5,645	6,268	6,359	6,688	5,864	6,935	6,860	4,903	6,138	6,085	5,725	5,890	151,559
	2012	January	-	0	1	-	1	685	1,271	974	1,110	1,146	1,654	2,290	1,888	1,101	1,021	1,449	1,933	1,674	1,416	2,048	1,473	1,505	965	1,503	1,237	1,758	1,471	1,195	1,377	822	1,258	36,227
		February	1,083	1,909	7	498	1,192	1,410	1,526	1,718	1,005	1,648	1,956	1,994	1,438	840	100	-	-	-	-	919	1,361	1,513	869	1,440	1,123	1,487	1,670	1,020	864			30,592
		March	48	963	1,769	1,274	1,461	652	670	1,529	725	302	-	-	10	37	66	37	88	31	2,206	2,744	2,312	1,715	1,903	1,893	2,460	861	37	55	213	469	315	26,845
		April	384	384	384	276	-	65	422	84	1,550	2,376	2,577	2,041	2,098	2,033	2,591	1,769	4	-	21	118	7	-	-	-	1,727	3,660	1,811	2,557	2,273	892		32,107
		May	414	-	495	484	347	347	1,760	3,092	2,811	2,346	1,933	2,790	431	254	264	311	242	18														18,338
	2012 Total		1,930	3,257	2,655	2,532	3,001	3,159	5,650	7,397	7,201	7,818	8,120	9,115	5,866	4,265	4,042	3,566	2,268	1,722	3,643	5,829	5,153	4,733	3,738	4,836	6,547	7,767	4,990	4,827	4,728	2,183	1,573	144,110
Boiler4FeedwaterFlow Total			10,729	12,547	10,481	7,590	5,919	4,514	7,064	10,152	9,837	10,108	10,268	11,004	7,377	6,536	10,362	8,680	7,185	6,354	8,700	11,475	11,421	11,092	10,426	10,700	13,482	14,627	9,893	10,966	10,813	7,908	7,463	295,669
Boiler5FeedwaterFlow	2011	March																								-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		1
		May	-	1	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	339	0	-	-	-	-	-	0	-	-	-	-		341
		July	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	0	343	1	-	-	-	-	-	87	-	-	-	432
		August	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	1
		September	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-		0
		October	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	0	-	-	1	-	-	-	-	0	0	-	-	-	-	-	2
		November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011 Total		1	1	-	-	0	0	-	0	-	1	-	-	-	-	1	-	0	1	339	2	343	1	-	-	0	1	0	87	-	-	-	779
	2012	January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
		March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														-
	2012 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boiler5FeedwaterFlow Total			1	1	-	-	0	0	-	0	-	1	-	-	-	-	1	-	0	1	339	2	343	1	-	-	0	1	0	87	-	-	-	779
Boiler6FeedwaterFlow	2011	March																								-	-	-	-	-	-	-	-	-
		April	-	1	3	-	-	-	-	-	8	15	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		29
		May	-	-	-	-	-	2	3	8	18	10	7	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	1	1	2	53
		June	-	6	2	-	-	-	-	2	0	0	-	-	4	15	6	7	6	6	3	18	5	8	7	6	3	6	4	10	11	-		135
		July	1	-	1	2	-	4	6	10	13	8	8	4	-	-	-	-	4	5	13	1	0	2	-	11	-	-	2	3	-	0	7	106
		August	3	-	6	-	-	-	-	8	1	6	24	7	11	5	2	0	0	10	0	3	11	1	7	-	-	2	-	1	7	7	-	123
		September	4	8	-	30	-	-	-	-	-	-	14	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		77

Boiler6FeedwaterFlow	2011	October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	21	15	24	11	-	-	-		88
		December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011 Total		9	16	11	32	-	5	10	29	41	39	53	15	32	20	8	7	10	21	16	21	17	27	14	39	18	32	17	13	19	10	9	611
	2012	January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		February	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		0
		March	-	-	-	-	-	-	-	-	-	-	-	-	-	11	9	-	-	-	-	-	-	-	-	-	-	-	12	-	6	4	6	47
		April	2	8	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	-	-	-	-		25
		May	-	9	5	7	-	15	-	-	-	-	-	-	-	-	-	-	-	-														36
	2012 Total		2	18	5	7	-	15	-	-	-	-	-	-	-	11	9	-	-	-	-	-	-	-	-	-	8	6	12	-	6	4	6	108
Boiler6FeedwaterFlow Total			11	34	16	40	-	20	10	29	41	39	53	15	32	31	17	7	10	21	16	21	17	27	14	39	26	38	29	13	25	14	16	719
Burt_DomWater11	2012	April																				-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														-
	2012 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-
Burt_DomWater11 Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-
Calvin_DomWater14	2012	May			1,800	1,700	200	200	2,200	2,100	2,400	1,943	1,857	100	100	900	671	629	700	-														17,500
	2012 Total				1,800	1,700	200	200	2,200	2,100	2,400	1,943	1,857	100	100	900	671	629	700	-														17,500
Calvin_DomWater14 Total					1,800	1,700	200	200	2,200	2,100	2,400	1,943	1,857	100	100	900	671	629	700	-														17,500
Cardwell_DomWater15	2012	April				7,700	11,490	10,530	9,210	9,310	11,330	11,360	11,490	11,550	11,180	9,960	9,640	11,650	11,420	11,845	10,770	10,580	9,780	9,810	12,820	13,260	11,310	11,883	11,330	10,080	9,590	10,610		291,487
		May	10,900	12,100	11,690	9,160	9,600	9,590	11,070	10,820	10,920	11,157	10,383	9,330	9,220	10,289	10,801	10,380	10,250	400														178,059
	2012 Total		10,900	12,100	11,690	16,860	21,090	20,120	20,280	20,130	22,250	22,517	21,873	20,880	20,400	20,249	20,441	22,030	21,670	12,245	10,770	10,580	9,780	9,810	12,820	13,260	11,310	11,883	11,330	10,080	9,590	10,610		469,546
Cardwell_DomWater15 Total			10,900	12,100	11,690	16,860	21,090	20,120	20,280	20,130	22,250	22,517	21,873	20,880	20,400	20,249	20,441	22,030	21,670	12,245	10,770	10,580	9,780	9,810	12,820	13,260	11,310	11,883	11,330	10,080	9,590	10,610		469,546
Chalmers_DomWater1	2012	March									700	1,900	1,700	1,800	2,500	2,100	1,300	2,200	2,000	2,300	2,300	2,200	1,176	4,780	7,340	5,950	5,820	8,910	9,920	10,690	12,350	12,120	8,720	110,776
		April	8,050	11,880	9,160	9,910	9,670	7,950	6,380	6,160	10,290	8,780	9,160	8,030	8,440	6,310	6,540	9,640	10,780	10,177	9,990	9,350	7,060	7,800	8,940	10,640	10,200	10,083	10,670	8,110	7,100	9,810		267,056
		May	9,340	11,000	9,750	10,660	7,190	7,600	9,190	9,250	4,990	9,446	10,894	7,830	6,630	7,952	7,258	7,480	7,550	240														144,249
	2012 Total		17,390	22,880	18,910	20,570	16,860	15,550	15,570	15,410	15,980	20,126	21,754	17,660	17,570	16,362	15,098	19,320	20,330	12,717	12,290	11,550	8,236	12,580	16,280	16,590	16,020	18,993	20,590	18,800	19,450	21,930	8,720	522,082
Chalmers_DomWater1 Total			17,390	22,880	18,910	20,570	16,860	15,550	15,570	15,410	15,980	20,126	21,754	17,660	17,570	16,362	15,098	19,320	20,330	12,717	12,290	11,550	8,236	12,580	16,280	16,590	16,020	18,993	20,590	18,800	19,450	21,930	8,720	522,082
Chem-BioChemistry_Dom	2012	March																										5,160	12,120	11,420	11,035	8,350	7,970	56,055
		April	7,990	16,210	13,530	14,890	13,410	12,250	9,920	10,330	15,510	17,900	17,130	15,790	12,720	7,950	6,000	10,430	9,570	11,577	12,250	10,850	7,900	-	6,210	11,270	10,290	11,653	10,120	8,300	8,530	13,190		333,672
		May	12,640	11,800	12,110	11,660	8,380	8,020	13,290	8,880	11,550	11,807	10,746	8,620	9,312	11,218	9,439	10,290	7,470	360														177,593
	2012 Total		20,630	28,010	25,640	26,550	21,790	20,270	23,210	19,210	27,060	29,707	27,876	24,410	22,032	19,168	15,439	20,720	17,040	11,937	12,250	10,850	7,900	-	6,210	11,270	10,290	16,813	22,240	19,720	19,565	21,540	7,970	567,319
Chem-BioChemistry_DomWater16 Total			20,630	28,010	25,640	26,550	21,790	20,270	23,210	19,210	27,060	29,707	27,876	24,410	22,032	19,168	15,439	20,720	17,040	11,937	12,250	10,850	7,900	-	6,210	11,270	10,290	16,813	22,240	19,720	19,565	21,540	7,970	567,319
Child_Development_DomW	2012	January					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														-
	2012 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Child_Development_DomWater1 Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chillplant_DomWater1	2011	August															89,310	169,880	163,600	150,870	120,810	110,530	120,590	138,910	142,550	135,980	103,920	117,900	118,030	114,210	122,480	144,310	158,120	2,222,002
		September	167,390	149,030	113,260	67,800	50,980	56,910	61,900	85,990	92,430	74,710	80,680	104,640	86,700	63,790	41,050	40,060	47,630	63,760	69,400	68,180	57,250	57,170	56,930	52,650	44,980	50,000	58,360	69,780	68,660	53,110		2,155,196
		October	45,950	53,810	69,100	88,020	84,110	80,180	97,210	70,750	64,650	65,160	75,040	74,310	71,050	58,210	67,200	62,930	41,690	39,330	33,560	26,360	41,690	40,670	48,320	63,410	75,470	35,410	31,390	39,460	44,770	37,540	43,050	1,769,827
		November	65,570	26,420	26,730	25,700	28,350	29,200	16,670	13,320	21,410	19,692	31,320	26,730	31,970	27,430	29,410	17,160	20,060	27,440	22,410	18,710	17,170	27,594	24,910	35,226	25,328	24,812	22,084	19,610	20,560	24,660		767,649
		December	22,950	21,890	16,840	19,070	18,700	24,630	17,988	17,020	16,980	14,800	15,600	11,360	15,880	28,510	24,270	23,380	23,320	29,430	24,380	21,310	23,140	19,320	16,350	19,230	19,200	21,370	21,000	20,220	22,510	25,830	28,900	645,367
	2011 Total		301,860	251,150	225,930	200,590	182,140	190,920	193,768	187,080	195,470	174,362	202,640	217,040	205,600	177,940	251,240	313,410	296,300	310,830	270,560	245,090	259,840	283,664	289,060	306,496	268,898	249,492	250,864	263,280	278,980	285,450	230,070	7,560,039
	2012	January	21,250	18,610	18,870	21,210	25,990	27,050	20,870	18,500	16,880	17,910	14,270	12,920	15,350	18,680	20,640	12,020	14,300	20,013	13,710	16,610	14,330	18,780	16,550	17,330	20,240	19,400	24,640	17,240	23,390	26,300	23,140	586,993
		February	24,210	17,610	14,260	11,300	16,380	13,680	15,950	13,550	16,610	11,010	13,570	10,450	14,510	12,040	19,840	19,960	24,940	13,770	16,900	16,010	17,530	18,670	23,110	16,690	14,320	20,940	14,570	21,270	19,540			483,190
		March	27,230	21,430	14,420	20,880	27,670	41,490	31,910	22,010	27,250	29,330	20,800	34,220	49,510	52,903	69,370	63,700	62,340	62,660	51,140	39,700	39,560	34,640	44,420	51,010	52,320	73,350	73,660	73,710	84,380	77,460	78,520	1,452,997
		April	77,290	96,046	57,120	40,490	41,310	41,830	36,250	38,190	47,480	44,290	36,650	39,480	59,810	55,890	55,880	41,100	56,900	71,149	67,800	31,850	41,450	97,330	64,370	80,930	72,440	72,590	66,760	30,220	39,460	60,910		1,663,267
		May	79,720	99,880	94,370	112,980	109,950	88,850	69,570	65,540	62,710	79,111	87,964	47,290	52,100	58,772	74,288	71,070	78,040	3,590														1,335,794
	2012 Total		229,700	253,576	199,040	206,860	221,300	212,900	174,550	157,790	170,930	181,651	173,254	144,360	191,280	198,285	240,018	207,850	236,520	171,182	149,550	104,170	112,870	169,420	148,450	165,960	159,320	186,280	179,630	142,440	166,770	164,670	101,660	5,522,241
Chillplant_DomWater1 Total			531,560	504,726	424,970	407,450	403,440	403,820	368,318	344,870	366,400	356,013	375,894	361,400	396,880	376,225	491,258	521,260	532,820	482,012	420,110	349,260	372,710	453,084	437,510	472,456	428,218	435,772	430,494	405,720	445,750	450,120	331,730	13,082,280
Coles_Water1	2011	July						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		August	-	-	-	-	-	-	319,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	319,600
		September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		October	-	-	-	-	-	-	-	-	-	-	-	265,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265,500
		November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,072,116	-	7,409,432	5,782,970	8,347,007	2,530,050	-	-	-		30,141,540
		December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011 Total		-	-	-	-	-	-	319,600	-	-	-	-	265,500	-	-	-	-	-	-	-	-	-	6,072,116	-	7,409,432	5,782,970	8,347,007	2,530,050	-	-	-	-	30,726,640
	2012	January	-	-	-	-	-	-	-	-	-	-	-	22,200	30,900	1,850	1,250	1,300	82,850	28,350	87,750	119,500	10,850	900	29,100	28,000	33,650	27,950	30,100	25,450	22,750	40,200	40,550	665,453
		February	39,950	41,300	25,600	21,250	28,000	38,750	39,750	36,350	19,300	62,200	45,300	12,650	12,100	63,500	153,750	32,000	27,950	22,300	16,000	29,500	32,800	40,250	36,550	54,650	12,400	14,050	31,150	31,150	33,850			1,054,352
		March	39,850	36,150	29,100	32,350	41,100	56,100	40,450	35,050	36,600	34,250	30,300	41,250	52,400	59,000	60,350	68,900	57,050	52,800	48,050	45,700	36,500	31,400	36,250	39,850	45,300	59,450	63,150	57,650	57,250	50,950	52,900	1,427,460
		April	60,150	73,800	53,100	38,950	37,100	38,850	36,300	35,200	44,950	41,300	34,850	35,050	17,300	65,150	31,600	35,700	38,350	38,350	21,600	37,550	62,600	14,050	54,600	80,750	99,500	62,617	62,650	33,600	52,550	58,050		1,396,172
		May	78,000	88,000	82,400	94,650	87,450	74,850	78,750	68,450	60,150	73,057	87,343	50,550	32,800	45,950	47,450	64,327	60,000	4,000														1,178,178
	2012 Total		217,950	239,250	190,200	187,200	193,650	208,550	195,250	175,050	161,000	210,807	197,793	161,700	145,500	235,450	294,400	202,227	266,200	145,800	173,400	232,250	142,750	86,600	156,500	203,250	190,850	164,067	187,050	147,850	166,400	149,200	93,450	5,721,616
Coles_Water1 Total			217,950	239,250	190,200	187,200	193,650	208,550	514,850	175,050	161,000	210,807	197,793	427,200	145,500	235,450	294,400	202,227	266,200	145,800	173,400	232,250	142,750	6,158,716	156,500	7,612,682	5,973,819	8,511,073	2,717,100	147,850	166,400	149,200	93,450	36,448,257
Davenport_Gas	2011	July						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
		August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
		September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		5
		October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	0	1	1	2	1	1	1	20
		November	0	1	2	2	1	1	2	2	4	3	2	2	2	2	1	2	3	3	2	3	3	429	3	808	445	654	222	4	3	3		2,612
		December	3	2	2	2	4	5	3	2	4	4	3	3	2	1	4	3	2	2	3	4	2	4	4	4	4	3	3	3	3	3	3	95
	2011 Total		4	4	5	5	5	6	5	5	8	8	6	6	4	3	5	5	6	7	8	9	8	434	8	813	450	659	227	9	7	7	5	2,741
	2012	January	3	4	3	3	2	2	3	3	3	2	3	5	4	3	3	3	5	4	5	6	6	4	4	4	3	3	3	4	3	1	1	107
		February	2	3	3	4	4	3	4	4	3	5	6	5	4	4	3	3	2	2	2	3	3	2	2	3	3	2	2	2	2			87
		March	2	2	2	2	2	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	25
		April	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0		10
		May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-														3
	2012 Total		8	9	8	9	8	7	8	9	9	9	11	13	10	8	7	7	7	6	7	10	9	7	7	7	6	6	6	5	5	2	1	231
Davenport_Gas Total			12	13	13	13	14	13	13	14	17	16	18	19	14	11	12	12	14	13	15	19	17	441	15	820	456	664	233	14	13	9	6	2,972
Davenport_Water	2011	July						111	339	384	59	28	293	712	460	378	219	41	37	237	323	386	375	244	52	39	467	378	391	430	269	69	48	6,767
		August	297	347	358	371	406	17	37	345	258	247	150	425	59	78	163	404	506	456	273	204	33	239	473	614	360	432	48	24	367	358	419	8,767
		September	386	312	98	22	22	339	341	441	471	28	39	378	378	349	477	362	106	26	378	373	421	373	332	43	30	306	360	397	399	319		8,307
		October	111	24	430	480	490	449	658	100	56	438	462	456	508	441	39	20	503	503	488	471	341	50	35	334	371	382	469	458	98	30	499	10,192
		November	380	477	462	482	74	24	410	523	454	486	375	111	24	519	425	484	480	475	41	30	273	43,101	380	65,373	43,613	70,291	21,861	558	529	503		253,219
		December	499	464	156	43	532	536	499	438	367	59	28	490	497	546	519	414	35	24	471	352	432	399	362	17	17	24	302	347	336	302	26	9,534
	2011 Total		1,673	1,625	1,504	1,397	1,523	1,476	2,283	2,231	1,664	1,287	1,348	2,571	1,925	2,310	1,842	1,725	1,667	1,721	1,975	1,816	1,875	44,407	1,634	66,422	44,858	71,813	23,429	2,213	1,999	1,582	992	296,786
	2012	January	13	43	471	382	460	397	30	24	532	497	542	536	414	20	20	17	562	510	571	438	41	37	510	467	503	449	558	20	26	586	419	10,095
		February	456	458	490	33	43	527	484	460	549	475	78	17	414	475	564	421	365	48	30	436	529	547	493	534	48	50	352	421	512			10,310
		March	462	449	39	39	521	493	472	462	434	56	35	534	436	516	551	397	39	24	482	495	467	469	380	61	43	471	421	443	425	475	35	10,625
		April	30	521	495	471	497	434	48	24	490	449	425	425	473	37	37	532	564	475	367	493	15	9	562	423	373	354	297	191	139	430		10,081
		May	469	460	443	419	41	33	536	499	540	511	455	30	22	490	391	508	495	-														6,341
	2012 Total		1,430	1,931	1,938	1,343	1,562	1,884	1,570	1,469	2,545	1,988	1,536	1,543	1,760	1,539	1,562	1,875	2,025	1,057	1,450	1,862	1,052	1,061	1,944	1,484	968	1,324	1,627	1,074	1,102	1,491	454	47,451
Davenport_Water Total			3,103	3,557	3,442	2,741	3,086	3,359	3,853	3,700	4,210	3,275	2,883	4,114	3,685	3,849	3,405	3,600	3,691	2,778	3,424	3,678	2,927	45,468	3,578	67,906	45,826	73,137	25,057	3,288	3,101	3,073	1,445	344,237
Derby_Water1	2011	July					18,860	64,971	67,250	65,367	64,344	67,019	65,830	70,784	77,358	69,562	73,625	67,085	66,788	45,714	15,095	89,777	68,572	48,159	75,145	67,250	68,208	34,021	36,631	45,252	66,061	66,061	66,061	1,630,852
		August	99,092	66,061	66,061	61,404	66,061	66,061	72,601	66,061	66,061	99,092	66,061	66,061	66,061	99,092	66,061	81,255	66,061	33,031	33,031	99,092	66,061	66,061	66,061	99,092	66,061	66,061	99,092	56,284	66,061	99,092	71,346	2,225,635
		September	66,061	76,895	66,061	99,092	66,061	66,061	99,092	66,061	66,061	99,092	66,061	66,061	66,061	99,092	66,061	33,031	66,061	66,061	99,092	66,061	66,061	99,092	66,061	66,061	66,061	99,092	66,061	89,249	66,061	66,061		2,214,040
		October	99,092	66,061	66,061	99,092	65,037	66,061	99,092	66,061	66,061	66,061	99,092	66,061	66,061	66,061	33,031	66,061	97,011	61,371	99,092	66,061	72,799	33,031	99,092	60,974	82,180	65,467	99,092	66,061	66,061	66,061	99,092	2,288,491
		November	66,061	66,061	99,092	66,061	66,061	66,061	99,092	66,061	99,092	63,881	66,061	33,031	99,092	66,061	66,061	99,092	66,061	66,061	99,092	66,061	118,976	106,500	82,973	75,200	62,891	84,822	76,191	67,812	80,099	87,894		2,327,554
		December	80,198	76,796	65,599	64,046	91,627	82,048	70,487	84,823	88,521	71,775	73,757	68,274	84,327	72,865	77,853	72,139	80,529	87,498	83,666	80,496	73,064	87,003	74,979	69,992	69,463	70,223	68,472	82,015	74,715	81,024	74,253	2,382,530
	2011 Total		410,504	351,875	362,874	389,695	373,708	411,264	507,614	414,435	450,139	466,921	436,863	370,273	458,960	472,734	382,692	418,663	442,511	359,736	429,067	467,548	465,533	439,845	464,311	438,569	414,865	419,686	445,539	406,673	419,059	466,194	310,752	13,069,103
	2012	January	70,719	72,007	65,731	86,837	68,406	93,972	84,228	70,619	90,107	51,990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,260,745	76,730	72,766	72,766	78,712	79,868	2,396,212
		February	78,316	78,018	75,409	74,550	73,526	79,306	78,415	78,580	78,910	58,002	-	-	243,700	78,018	77,589	77,523	76,466	75,607	72,998	79,604	80,066	77,919	78,976	76,994	72,799	73,229	78,216	78,712	77,754			2,229,206
		March	77,391	76,103	72,205	71,809	77,754	78,712	78,745	76,928	75,475	73,427	69,232	79,009	78,217	78,117	77,292	71,974	72,931	85,946	84,690	79,472	68,307	16,449	-	-	-	66	-	-	-	-	-	1,620,252
		April	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		33
		May	-	-	-	-	-	-	-	33	-	-	33	-	-	-	-	33	-	-														99
	2012 Total		226,425	226,127	213,345	233,196	219,719	251,990	241,388	226,161	244,492	183,419	69,265	79,009	321,916	156,136	154,880	149,529	149,397	161,552	157,688	159,075	148,374	94,368	78,976	76,994	72,799	1,334,040	154,946	151,478	150,520	78,712	79,868	6,245,803
Derby_Water1 Total			636,929	578,002	576,219	622,891	593,428	663,254	749,002	640,595	694,632	650,339	506,128	449,282	780,877	628,869	537,573	568,192	591,908	521,289	586,755	626,623	613,907	534,213	543,287	515,563	487,664	1,753,726	600,485	558,151	569,580	544,906	390,620	19,314,905
Durland_DomWater20	2012	March																												800	1,800	6,100	700	9,400
		April	300	1,100	1,500	6,600	12,700	1,100	400	300	1,700	1,200	1,900	1,800	1,200	400	600	1,300	1,400	5,967	600	4,900	1,400	400	2,100	1,700	8,500	9,867	7,800	300	1,500	1,100		81,633
		May	1,700	1,400	1,800	1,300	800	1,000	4,600	3,000	1,500	1,690	1,110	800	700	1,200	1,100	1,000	1,000	-														25,700
	2012 Total		2,000	2,500	3,300	7,900	13,500	2,100	5,000	3,300	3,200	2,890	3,010	2,600	1,900	1,600	1,700	2,300	2,400	5,967	600	4,900	1,400	400	2,100	1,700	8,500	9,867	7,800	1,100	3,300	7,200	700	116,733
Durland_DomWater20 Total			2,000	2,500	3,300	7,900	13,500	2,100	5,000	3,300	3,200	2,890	3,010	2,600	1,900	1,600	1,700	2,300	2,400	5,967	600	4,900	1,400	400	2,100	1,700	8,500	9,867	7,800	1,100	3,300	7,200	700	116,733
Edwards_Water1	2011	July						24	83	97	21	35	52	87	97	87	87	24	35	142	90	111	100	114	31	24	69	87	104	121	90	45	38	1,893
		August	111	111	122	149	97	21	35	90	100	125	90	97	24	35	48	38	80	145	107	10	28	31	97	118	93	114	24	24	131	104	135	2,534

Edwards_Water1	2011	September	131	100	38	35	28	128	107	111	100	28	21	142	125	121	163	111	66	35	107	97	138	114	83	28	24	107	135	131	111	149		2,813
		October	48	17	131	104	121	90	100	62	28	138	125	100	97	93	24	24	114	170	104	111	104	17	42	121	121	138	118	142	76	28	111	2,820
		November	118	118	180	135	42	38	125	104	111	138	135	76	45	149	114	152	93	121	21	21	125	4,775	73	6,761	7,427	7,464	2,522	121	128	145		31,575
		December	118	159	52	17	114	107	90	118	121	17	14	90	111	104	111	83	10	24	114	97	149	66	83	14	21	21	52	62	52	48	14	2,253
	2011 Total		526	505	523	439	401	408	540	581	481	481	436	592	498	588	547	433	398	637	543	446	644	5,118	408	7,065	7,755	7,931	2,955	602	588	519	298	43,888
	2012	January	14	14	83	166	128	152	17	28	114	104	76	80	87	24	21	21	111	107	93	100	31	42	107	87	93	107	87	24	17	104	87	2,325
		February	90	100	114	28	28	111	204	153	90	111	28	28	97	73	97	83	118	38	38	80	118	107	138	121	28	42	97	131	80			2,568
		March	107	83	28	35	90	107	93	107	76	31	42	131	111	111	87	97	24	42	97	97	77	97	80	21	38	111	100	76	87	142	28	2,451
		April	45	121	97	90	118	76	21	35	93	83	93	93	121	31	42	87	87	97	73	73	21	21	87	121	38	73	59	45	21	59		2,118
		May	100	90	121	93	21	31	97	107	76	86	87	42	42	100	90	97	90	-														1,370
	2012 Total		356	408	443	412	384	478	433	430	450	415	325	374	457	339	336	384	429	284	301	349	247	266	412	349	197	332	343	277	204	304	114	10,833
Edwards_Water1 Total			882	913	966	851	785	886	972	1,011	931	896	761	965	955	927	882	817	827	920	844	796	890	5,384	820	7,415	7,953	8,263	3,298	879	792	824	412	54,720
Edwards_Water2	2011	July						54	235	299	45	65	169	309	250	283	303	109	116	271	296	303	242	736	82	51	98	284	247	316	252	87	69	5,573
		August	278	311	270	260	205	68	48	148	78	162	251	259	88	57	205	264	274	317	189	14	33	112	272	267	263	265	51	126	323	203	238	5,900
		September	281	262	114	111	64	253	228	272	278	168	57	319	287	309	401	378	290	162	308	308	340	264	273	48	60	286	228	266	282	293		7,192
		October	105	72	336	242	282	218	254	89	71	310	203	302	322	270	44	103	263	247	220	366	242	67	102	268	334	312	332	322	133	90	306	6,829
		November	352	356	320	306	137	100	345	295	274	340	189	177	98	288	277	174	-	232	102	124	208	381	175	454	550	790	22	5	316	321		7,710
		December	287	285	64	73	279	266	232	258	259	40	47	322	233	183	256	6	-	-	-	-	0	-	-	-	-	-	-	-	-	-		3,090
	2011 Total		1,305	1,285	1,104	992	967	959	1,343	1,361	1,004	1,086	916	1,688	1,278	1,390	1,487	1,034	943	1,230	1,116	1,115	1,067	1,559	905	1,088	1,305	1,937	882	1,034	1,306	995	613	36,293
	2012	January	-	-	-	-	-	-	-	-	-	75	232	249	230	31	25	60	283	307	279	291	95	91	287	288	281	271	268	52	-	-	-	3,696
		February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	282	387	118	288	392	266	344	239	262	60	93	171		3,057
		May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														-
	2012 Total		-	-	-	-	-	-	-	-	-	75	232	249	230	31	25	60	283	459	561	678	214	379	680	555	625	511	530	112	93	171	-	6,752
Edwards_Water2 Total			1,305	1,285	1,104	992	967	959	1,343	1,361	1,004	1,160	1,148	1,937	1,508	1,421	1,511	1,095	1,227	1,689	1,677	1,793	1,281	1,938	1,584	1,643	1,930	2,447	1,411	1,145	1,400	1,166	613	43,045
Eisenhower_DomWater25	2012	May	400	1,800	1,700	1,200	-	-	1,100	1,000	1,800	1,524	1,076	400	300	1,100	900	1,100	100	-														15,500
	2012 Total		400	1,800	1,700	1,200	-	-	1,100	1,000	1,800	1,524	1,076	400	300	1,100	900	1,100	100	-														15,500
Eisenhower_DomWater25 Total			400	1,800	1,700	1,200	-	-	1,100	1,000	1,800	1,524	1,076	400	300	1,100	900	1,100	100	-														15,500
Fairchild_DomWater27	2012	May											100	-	100	700	700	500	700	-														2,800
	2012 Total												100	-	100	700	700	500	700	-														2,800
Fairchild_DomWater27 Total													100	-	100	700	700	500	700	-														2,800
Fiedler_DomWater22	2012	March																												800	6,000	4,500	1,000	12,300
		April	1,000	2,800	5,300	3,500	3,400	2,300	900	900	2,800	7,300	3,100	6,900	3,400	800	900	3,100	4,900	5,267	3,700	1,800	4,000	500	3,400	5,300	3,600	4,667	7,100	500	2,700	3,200		99,033
		May	4,100	3,100	6,400	3,700	900	1,440	2,760	4,100	2,800	4,586	1,814	800	400	1,900	4,200	5,100	6,300															54,400
	2012 Total		5,100	5,900	11,700	7,200	4,300	3,740	3,660	5,000	5,600	11,886	4,914	7,700	3,800	2,700	5,100	8,200	11,200	5,267	3,700	1,800	4,000	500	3,400	5,300	3,600	4,667	7,100	1,300	8,700	7,700	1,000	165,733
Fiedler_DomWater22 Total			5,100	5,900	11,700	7,200	4,300	3,740	3,660	5,000	5,600	11,886	4,914	7,700	3,800	2,700	5,100	8,200	11,200	5,267	3,700	1,800	4,000	500	3,400	5,300	3,600	4,667	7,100	1,300	8,700	7,700	1,000	165,733
Hale_DomWater30	2012	April																														5,850		5,850
		May	11,360	12,480	10,730	8,120	4,740	10,060	16,320	15,980	13,980	11,029	4,831	800	570	2,280	3,080	3,060	3,280	10														132,709
	2012 Total		11,360	12,480	10,730	8,120	4,740	10,060	16,320	15,980	13,980	11,029	4,831	800	570	2,280	3,080	3,060	3,280	10												5,850		138,559
Hale_DomWater30 Total			11,360	12,480	10,730	8,120	4,740	10,060	16,320	15,980	13,980	11,029	4,831	800	570	2,280	3,080	3,060	3,280	10												5,850		138,559
Holton_DomWater32	2012	May	-	600	600	500	100	-	500	600	2,300	601	300	-	-	400	400	400	400	-														7,701
	2012 Total		-	600	600	500	100	-	500	600	2,300	601	300	-	-	400	400	400	400	-														7,701
Holton_DomWater32 Total			-	600	600	500	100	-	500	600	2,300	601	300	-	-	400	400	400	400	-														7,701
Jardine_Water1_Submeter	2011	July						1,099	3,362	3,814	582	280	2,909	7,068	4,569	3,750	2,176	409	366	2,349	3,211	3,836	3,728	2,424	517	388	4,633	3,750	3,879	4,267	2,672	689	474	67,203
		August	2,952	3,448	3,556	3,685	4,030	172	366	3,426	2,564	2,457	1,487	4,224	582	776	1,616	4,008	5,021	4,525	2,715	2,026	323	2,370	4,698	6,099	3,577	4,288	474	237	3,642	3,556	4,159	87,062
		September	3,836	3,103	970	215	215	3,362	3,383	4,375	4,676	280	388	3,750	3,750	3,469	4,741	3,599	1,056	259	3,750	3,707	4,181	3,707	3,297	431	302	3,039	3,577	3,944	3,965	3,168		82,493
		October	1,099	237	4,267	4,763	4,870	4,461	6,530	991	560	4,353	4,590	4,525	5,043	4,375	388	194	5,000	5,000	4,849	4,676	3,383	496	345	3,319	3,685	3,793	4,655	4,547	970	302	4,956	101,220
		November	3,771	4,741	4,590	4,784	733	237	4,073	5,194	4,504	4,827	3,728	1,099	237	5,150	4,224	4,806	4,763	4,719	409	302	2,715	428,035	3,771	856,776	433,112	698,055	217,095	5,538	5,258	5,000		2,722,247
		December	4,956	4,612	1,552	431	5,280	5,323	4,956	4,353	3,642	582	280	4,870	4,935	5,387	5,150	4,116	345	237	4,676	3,491	4,288	3,965	3,599	172	172	237	2,995	3,448	3,340	2,995	259	94,648
	2011 Total		16,615	16,141	14,934	13,878	15,128	14,654	22,671	22,153	16,529	12,779	13,383	25,537	19,115	22,908	18,296	17,132	16,550	17,089	19,610	18,037	18,619	440,997	16,227	867,185	445,482	713,161	232,675	21,981	19,847	15,710	9,848	3,154,874
	2012	January	129	431	4,676	3,793	4,569	3,944	302	237	5,280	4,935	5,387	5,323	4,116	194	194	172	5,581	5,043	5,668	4,353	409	366	5,064	4,633	5,000	4,461	5,538	194	259	5,819	4,159	100,229
		February	4,525	4,547	4,870	323	431	5,237	4,806	4,569	5,452	4,719	776	172	4,116	4,719	5,603	4,181	3,620	474	302	4,332	5,258	5,431	4,892	5,301	474	496	3,491	4,181	5,086			102,384
		March	4,590	4,461	388	388	5,172	4,892	4,655	4,590	4,310	560	345	5,301	4,332	5,129	5,474	3,944	388	237	4,784	4,913	4,633	4,655	3,771	603	431	4,676	4,181	4,396	4,224	4,719	345	105,487
		April	302	5,172	4,913	4,676	4,935	4,310	474	237	4,870	4,461	4,224	4,224	4,698	366	366	5,280	5,603	4,849	3,642	4,892	151	86	5,582	4,202	3,707	3,527	2,952	1,897	1,380	4,267		100,244
		May	4,655	4,569	4,396	4,159	409	323	5,323	4,956	5,366	5,066	4,524	302	215	4,870	3,879	5,045	4,913	-														62,971
	2012 Total		14,201	19,179	19,244	13,339	15,516	18,705	15,559	14,589	25,278	19,741	15,256	15,322	17,477	15,279	15,516	18,622	20,106	10,603	14,395	18,490	10,452	10,538	19,309	14,740	9,612	13,160	16,162	10,667	10,948	14,805	4,504	471,315
Jardine_Water1_Submeter Total			30,817	35,320	34,178	27,218	30,644	33,359	38,230	36,743	41,807	32,520	28,639	40,859	36,592	38,187	33,812	35,754	36,657	27,692	34,005	36,527	29,071	451,535	35,537	881,924	455,093	726,321	248,838	32,649	30,795	30,515	14,352	3,626,189
Jardine_Water2_Submeter	2011	July						3	7	7	8	7	7	8	8	8	8	7	8	8	8	9	8	7	8	8	8	8	9	8	8	9	10	202
		August	9	9	9	9	9	9	8	9	9	10	9	9	9	9	8	9	9	9	8	10	11	10	10	10	10	10	10	11	9	10	10	289
		September	10	10	7	10	10	10	10	10	11	11	10	9	9	11	10	11	11	11	10	11	10	10	10	11	11	11	10	11	10	10		307
		October	12	11	11	10	11	10	10	11	11	10	10	11	10	11	12	11	13	32	43	46	37	29	26	21	14	31	35	41	36	31	30	637
		November	21	39	50	45	37	34	40	48	52	54	43	38	31	37	38	53	52	44	42	63	57	594	51	1,378	863	1,387	528	60	57	53		5,890
		December	61	69	56	62	82	84	75	70	68	67	64	54	52	42	59	64	62	50	56	67	62	73	77	70	64	63	58	60	52	48	42	1,935
	2011 Total		113	137	133	135	148	150	150	155	158	159	143	130	121	117	135	155	155	154	167	205	185	724	182	1,498	970	1,510	651	192	172	161	92	9,258
	2012	January	57	72	66	52	46	45	59	57	60	54	66	91	83	66	52	57	85	83	89	96	94	65	63	67	57	59	61	66	60	42	39	2,011
		February	49	49	53	66	65	61	66	75	66	80	98	90	76	67	62	59	53	61	59	55	55	43	44	59	60	45	57	43	46			1,762
		March	46	50	58	48	45	26	33	52	47	37	40	33	26	16	15	14	14	14	18	25	27	33	31	25	22	16	15	19	15	15	17	893
		April	15	13	16	24	31	30	26	31	25	28	35	33	20	17	20	30	23	17	17	36	27	27	30	18	15	16	16	26	26	21		710
		May	16	12	10	10	11	11	11	12	13	12	12	12	11	11	10	10	9	0														193
	2012 Total		183	197	204	201	199	174	194	226	212	211	251	259	216	177	159	170	184	175	183	212	203	168	168	169	155	136	149	154	147	78	56	5,569
Jardine_Water2_Submeter Total			296	334	337	336	347	323	344	382	370	370	394	389	337	294	294	325	339	329	350	417	388	892	350	1,667	1,124	1,646	801	346	320	240	148	14,827
Justin_DomWater34	2012	April																590	3,020	3,020	2,820	1,740	980	650	3,070	2,900	2,980	3,000	1,530	280	740	2,730		30,050
		May	3,470	3,330	2,900	2,690	250	530	1,900	2,200	2,080	1,697	1,567	230	130	1,240	1,250	1,075	1,220	-														27,759
	2012 Total		3,470	3,330	2,900	2,690	250	530	1,900	2,200	2,080	1,697	1,567	230	130	1,240	1,250	1,665	4,240	3,020	2,820	1,740	980	650	3,070	2,900	2,980	3,000	1,530	280	740	2,730		57,809
Justin_DomWater34 Total			3,470	3,330	2,900	2,690	250	530	1,900	2,200	2,080	1,697	1,567	230	130	1,240	1,250	1,665	4,240	3,020	2,820	1,740	980	650	3,070	2,900	2,980	3,000	1,530	280	740	2,730		57,809
Kedzie_DomWater1	2012	May										-	46	30	8	67	2,041	46	55	-														2,293
	2012 Total											-	46	30	8	67	2,041	46	55	-														2,293
Kedzie_DomWater1 Total												-	46	30	8	67	2,041	46	55	-														2,293
Kedzie_DomWater2	2012	May										-	120	40	20	130	150	130	200	-														790
	2012 Total											-	120	40	20	130	150	130	200	-														790
Kedzie_DomWater2 Total												-	120	40	20	130	150	130	200	-														790
Kramer_Water1	2011	July					438,990	153,740	160,390	150,210	120,110	90,130	152,080	180,170	170,300	140,220	150,250	90,050	60,090	124,100	121,260	113,010	130,180	107,550	66,580	49,730	105,620	109,250	108,870	107,380	83,220	-	-	3,283,480
		August	5,230	10,640	11,903	4,660	1,450	650	10	820	1,600	1,330	1,470	1,660	40	20	6,350	12,280	16,350	88,690	98,710	99,870	67,680	165,420	160,160	162,880	181,850	142,290	107,090	80,150	168,510	167,510	213,310	1,980,583
		September	200,010	193,660	89,340	3,587	2,520	202,310	213,360	195,440	190,240	150,320	110,140	210,360	230,626	210,430	210,450	190,280	130,130	80,040	210,520	200,240	230,460	210,400	190,310	160,310	80,120	210,360	210,330	217,414	200,350	200,230		5,134,283
		October	150,260	90,110	210,390	210,230	208,260	210,240	190,470	150,080	80,160	210,260	210,440	190,310	150,290	150,290	90,120	30,040	160,250	160,302	154,540	160,290	150,180	100,190	60,080	160,280	170,300	160,280	170,340	150,300	100,170	60,070	140,230	4,589,751
		November	170,331	170,260	170,330	150,310	90,130	70,090	160,270	160,320	160,280	144,170	150,280	80,130	30,040	140,270	170,310	183,450	120,230	140,180	-	-	-	787,704	-	1,094,905	847,855	1,204,692	383,870	160,330	170,300	164,108		7,275,145
		December	160,230	160,280	110,220	70,220	160,210	160,320	141,930	160,280	140,220	90,190	50,070	150,160	150,280	160,290	130,280	120,130	-	-	10,000	10,000	-	-	10,000	-	-	-	-	-	-	-	-	2,145,309
	2011 Total		686,061	624,950	592,183	439,007	901,560	797,350	866,430	817,150	692,610	686,400	674,480	812,790	731,576	801,520	757,760	626,230	487,050	593,312	595,030	583,410	578,500	1,371,264	487,130	1,628,105	1,385,745	1,826,872	980,500	715,574	722,550	591,918	353,540	24,408,552
	2012	January	-	-	10,000	-	-	-	-	-	10,000	-	-	18,750	17,150	420	430	92,750	158,690	162,610	172,530	140,660	118,620	46,180	159,500	153,450	160,080	145,150	151,720	100,830	57,770	160,060	163,680	2,201,031
		February	174,350	161,650	145,100	139,190	54,680	167,440	153,880	161,890	168,670	157,560	121,010	62,460	166,260	167,870	179,780	158,960	147,460	108,640	70,520	158,140	160,980	164,770	151,180	158,120	104,130	58,950	160,340	162,500	168,550			4,115,043
		March	152,110	143,460	120,150	68,370	160,930	161,160	152,480	162,740	154,490	113,650	62,520	156,510	162,830	161,680	154,510	135,750	540	470	12,930	11,600	10,500	7,530	7,570	960	2,340	153,490	160,780	162,720	164,850	161,850	123,880	3,205,361
		April	64,090	163,880	161,510	152,690	180,270	152,080	590	650	163,030	160,590	158,410	165,210	141,400	114,370	70,050	164,630	156,340	172,360	217,130	206,600	95,610	50,490	130,690	172,180	210,640	162,290	177,250	161,000	73,770	141,310		4,141,126
		May	142,050	163,220	155,810	159,090	129,040	91,120	187,990	192,380	187,310	176,944	163,996	47,880	9,200	14,069	10,461	9,150	12,060	300														1,852,073
	2012 Total		532,600	632,210	592,570	519,340	524,920	571,800	494,940	517,660	683,500	608,743	505,936	450,810	496,840	458,409	415,231	561,240	475,090	444,380	473,110	517,000	385,710	268,970	448,940	484,710	477,190	519,880	650,090	587,050	464,940	463,220	287,560	15,514,634
Kramer_Water1 Total			1,218,661	1,257,160	1,184,753	958,346	1,426,480	1,369,150	1,361,370	1,334,810	1,376,110	1,295,143	1,180,416	1,263,600	1,228,416	1,259,929	1,172,990	1,187,470	962,140	1,037,692	1,068,140	1,100,410	964,210	1,640,234	936,070	2,112,814	1,862,935	2,346,752	1,630,589	1,302,623	1,187,490	1,055,138	641,100	39,923,188
Leadership_DomWater1	2011	March																								24	104	57	45	885	853	710	798	3,476
		April	557	39	88	812	967	818	779	659	64	76	797	808	728	767	555	488	45	857	928	781	904	443	24	27	614	859	390	828	538	43		16,281
		May	45	690	1,016	743	692	606	75	51	541	702	555	541	483	41	40	216	138	149	104	102	31	29	131	131	161	108	99	29	33	100	257	8,634
		June	262	129	316	27	33	320	441	645	590	453	463	86	490	418	418	486	273	249	27	224	320	237	241	306	31	33	220	241	188	277		8,442
		July	161	35	29	29	257	275	273	314	27	43	218	347	190	275	192	27	27	320	422	374	414	279	24	22	239	300	318	235	239	27	29	5,959
		August	129	253	161	175	133	22	31	392	457	551	294	282	31	33	614	571	620	312	245	35	49	847	951	779	867	512	86	39	898	1,012	873	12,250
		September	883	422	33	35	43	953	871	957	469	241	43	871	928	820	757	537	53	122	830	861	810	722	479	98	45	783	922	789	808	539		16,724
		October	29	37	792	940	767	861	606	29	43	816	949	794	824	659	51	69	826	832	789	891	498	94	33	761	820	726	718	481	29	43	726	16,532
		November	1,102	728	775	414	31	37	769	867	704	830	447	31	53	798	904	891	924	453	31	39	534	256,058	94	378,252	262,217	509,533	127,429	679	930	794		1,547,347
		December	867	498	29	100	838	849	700	781	451	43	149	602	696	573	528	314	27	29	122	106	80	75	82	27	27	24	47	102	98	53	27	8,941
	2011 Total		4,034	2,830	3,237	3,274	3,760	4,741	4,545	4,694	3,344	3,755	3,914	4,359	4,423	4,384	4,059	3,598	2,933	3,323	3,498	3,413	3,639	258,783	2,058	380,426	265,124	512,936	130,273	4,308	4,612	3,596	2,709	1,644,586
	2012	January	27	29	92	280	88	100	27	29	192	286	367	224	261	43	63	45	594	730	569	483	35	37	879	810	724	687	494	33	57	902	953	10,138
		February	1,146	700	471	33	29	940	877	812	671	539	33	61	749	796	873	651	579	33	84	975	871	822	769	479	39	177	932	749	906			16,795
		March	692	473	29	37	916	1,020	896	751	534	55	59	957	867	853	661	498	29	33	73	110	243	73	75	29	37	875	971	785	708	471	296	14,105
		April	55	993	914	881	836	573	43	29	871	883	834	773	594	116	118	987	898	993	849	588	247	33	832	630	788	741	524	271	496	820		18,211
		May	889	1,149	949	459	29	47	663	698	653	459	506	31	35	208	188	149	161	-														7,271
	2012 Total		2,809	3,344	2,454	1,690	1,897	2,681	2,505	2,317	2,921	2,222	1,799	2,046	2,505	2,016	1,903	2,330	2,260	1,788	1,575	2,156	1,395	965	2,556	1,948	1,587	2,481	2,921	1,838	2,166	2,193	1,248	66,519
Leadership_DomWater1 Total			6,843	6,174	5,692	4,964	5,657	7,422	7,050	7,011	6,265	5,977	5,713	6,405	6,928	6,400	5,962	5,928	5,193	5,112	5,073	5,570	5,035	259,748	4,614	382,374	266,712	515,417	133,195	6,147	6,778	5,790	3,958	1,711,105
Leasure_DomWater36	2012	April																									592	861	953	522	509	927		4,364

Leasure_DomWater36	2012	May	1,070	1,114	982	820	501	524	949	846	835	786	807	618	594	780	1,179	183	226	-														12,814
	2012 Total		1,070	1,114	982	820	501	524	949	846	835	786	807	618	594	780	1,179	183	226	-							592	861	953	522	509	927		17,178
Leasure_DomWater36 Total			1,070	1,114	982	820	501	524	949	846	835	786	807	618	594	780	1,179	183	226	-							592	861	953	522	509	927		17,178
Marlatt_Water1	2011	July					1,051	19,612	5,615	16,911	1,401	18,655	9,481	21,817	5,720	19,685	4,557	30,768	3,504	30,447	6,677	30,089	31,901	30,447	53,533	35,870	4,906	32,578	31,180	31,541	21,244	28,366	29,746	557,301
		August	3,853	29,079	28,367	29,743	23,081	29,425	30,186	2,454	2,100	3,502	3,501	3,154	3,153	26,866	7,021	26,486	10,198	28,248	11,238	13,704	40,255	20,399	42,742	24,218	42,419	21,466	20,762	43,056	23,607	40,590	22,887	657,761
		September	42,744	35,722	40,612	37,947	41,362	44,506	43,916	43,444	42,802	40,610	44,141	41,323	43,413	24,644	43,541	42,750	21,093	42,335	23,930	23,324	23,226	24,642	21,468	16,866	40,998	23,551	46,285	24,917	45,212	46,000		1,077,320
		October	19,000	46,683	26,410	47,429	22,407	47,389	46,666	22,187	37,756	23,600	36,163	23,228	24,282	20,745	15,825	19,328	21,459	22,877	22,564	22,869	20,043	15,814	17,574	22,861	22,526	21,451	21,803	26,063	19,349	21,796	23,563	801,705
		November	35,620	21,465	22,859	21,816	18,628	18,613	21,809	22,502	21,097	24,318	21,136	19,663	21,443	21,807	22,872	22,121	23,209	20,764	4,202	2,454	2,454	20,698	1,749	6,914	6,100	7,380	9,471	21,106	21,797	24,775		530,843
		December	22,864	21,457	21,784	23,222	22,162	24,273	23,476	24,629	23,212	21,808	23,583	23,581	24,274	20,478	20,054	11,939	4,206	2,106	3,156	2,805	2,806	2,101	1,754	1,050	700	700	1,753	1,402	1,400	1,403	1,401	381,536
	2011 Total		124,081	154,407	140,031	160,156	128,692	183,818	171,668	132,127	128,367	132,493	138,004	132,765	122,285	134,224	113,870	153,393	83,668	146,778	71,766	95,245	120,685	114,100	138,820	107,779	117,649	107,127	131,254	148,084	132,609	162,931	77,598	4,006,465
	2012	January	1,402	1,403	2,803	2,117	2,102	2,101	1,751	4,910	2,456	3,502	3,509	3,860	5,257	8,781	9,828	18,645	20,749	20,390	21,309	23,578	22,501	21,086	22,537	22,534	21,614	23,905	21,163	18,998	21,869	22,689	23,426	402,772
		February	21,260	22,533	20,682	19,612	21,895	22,637	23,089	21,845	22,210	21,678	18,791	19,422	20,652	23,295	22,280	26,859	21,196	22,185	21,642	22,367	22,880	22,078	21,517	19,928	17,286	20,271	22,297	21,626	22,137			626,148
		March	23,720	20,920	15,213	17,557	18,056	18,859	18,033	19,348	18,078	16,545	17,226	18,928	18,472	18,295	18,495	14,796	3,844	2,526	3,395	2,472	2,852	2,966	2,646	2,477	8,462	18,870	18,520	17,343	17,532	20,535	17,547	434,527
		April	18,240	17,769	18,595	17,732	18,352	16,114	9,510	10,718	16,968	17,763	17,581	18,986	16,862	14,794	17,413	17,786	18,963	18,721	19,499	23,989	14,379	16,912	32,217	20,863	29,023	18,834	18,065	17,378	13,938	17,383		545,348
		May	19,725	17,183	29,127	17,601	15,849	16,655	17,779	28,024	29,944	42,880	13,818	4,756	22,107	5,993	22,394	1,942	12,432	4														318,215
	2012 Total		84,347	79,808	86,419	74,619	76,254	76,365	70,162	84,845	89,656	102,368	70,926	65,951	83,351	71,158	90,410	80,028	77,184	63,827	65,843	72,405	62,613	63,041	78,917	65,801	76,385	81,880	80,044	75,345	75,477	60,607	40,973	2,327,011
Marlatt_Water1 Total			208,428	234,215	226,450	234,774	204,946	260,183	241,830	216,973	218,023	234,861	208,930	198,716	205,635	205,382	204,280	233,421	160,852	210,605	137,609	167,651	183,298	177,141	217,737	173,580	194,034	189,007	211,299	223,429	208,085	223,537	118,570	6,333,475
Mosier_Water	2011	July																				-	-	554,764	-	-	-	-	-	-	-	-	-	554,764
		August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		September	-	-	-	-	-	-	-	-	703,914	-	-	285,192	-	-	405,837	-	-	-	-	12,219	11,361	220,285	216,519	219,777	-	-	-	365,161	-	153,678		2,593,943
		October	-	-	-	-	201,393	-	-	-	-	476,320	-	-	476,050	177,578	146,449	-	-	-	-	273,545	-	-	-	-	-	-	-	-	-	-	-	1,751,335
		November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	246,801	-	301,155	235,048	331,353	154,250	-	-	-		1,268,607
		December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011 Total		-	-	-	-	201,393	-	-	-	703,914	476,320	-	285,192	476,050	177,578	552,286	-	-	-	-	285,764	11,361	1,021,850	216,519	520,932	235,048	331,353	154,250	365,161	-	153,678	-	6,168,649
	2012	January	-	-	-	-	-	-	-	-	-	-	-	747,117	124,856	-	-	-	-	-	-	-	-	-	-	-	-	133,642	178,179	48,684	54,976	218,553	201,758	1,707,767
		February	188,777	204,190	252,381	77,141	61,459	237,620	227,562	184,392	200,535	178,386	84,879	55,087	265,918	224,194	259,356	280,886	201,504	57,979	39,325	253,191	371,803	208,877	222,923	226,323	83,719	59,028	255,368	286,209	261,056			5,510,064
		March	251,523	239,304	98,480	70,499	261,009	261,040	220,253	224,702	183,836	97,844	59,759	244,706	254,637	237,191	211,212	206,922	100,641	90,329	253,271	376,808	470,251	270,431	208,797	125,634	807,416	299,190	377,030	237,270	215,931	239,479	85,245	7,280,630
		April	76,204	273,672	234,029	883,460	267,746	201,759	105,805	58,201	296,902	229,501	263,614	261,978	271,432	87,246	58,074	247,630	388,184	286,542	266,252	209,448	102,977	89,074	245,501	10,105	-	63,249	6,356	-	-	-		5,484,945
		May	-	45,533	220,746	175,510	62,762	57,137	278,407	426,922	255,034	282,406	192,484	70,801	59,779	247,403	268,592	200,058	206,112	2,272														3,051,959
	2012 Total		516,504	762,698	805,636	1,206,610	652,974	757,556	832,027	894,217	936,307	788,137	600,736	1,379,689	976,622	796,035	797,235	935,496	896,441	437,122	558,848	839,447	945,030	568,381	677,221	362,063	891,135	555,109	816,933	572,163	531,964	458,032	287,003	23,035,365
Mosier_Water Total			516,504	762,698	805,636	1,206,610	854,367	757,556	832,027	894,217	1,640,221	1,264,458	600,736	1,664,881	1,452,672	973,612	1,349,520	935,496	896,441	437,122	558,848	1,125,211	956,391	1,590,231	893,740	882,995	1,126,183	886,461	971,183	937,324	531,964	611,711	287,003	29,204,014
Myers_DomWater1	2012	March													120	340	300	3,920	5,160	10	170	90	136	114	710	30	10	510	270	360	450	280	30	13,010
		April	20	430	410	380	320	360	10	10	400	9,210	10,770	380	210	10	140	340	430	427	220	250	50	-	540	340	420	557	390	-	120	360		27,504
		May	340	400	390	270	40	20	300	260	280	268	242	70	30	210	220	190	210	-														3,740
	2012 Total		360	830	800	650	360	380	310	270	680	9,478	11,012	450	360	560	660	4,450	5,800	437	390	340	186	114	1,250	370	430	1,067	660	360	570	640	30	44,254
Myers_DomWater1 Total			360	830	800	650	360	380	310	270	680	9,478	11,012	450	360	560	660	4,450	5,800	437	390	340	186	114	1,250	370	430	1,067	660	360	570	640	30	44,254
Parking_DomWater1	2011	March																								65	118	48	65	145	140	152	134	867
		April	128	53	74	148	149	136	150	120	63	81	132	130	101	143	152	38	54	154	134	148	149	117	47	27	122	154	76	138	111	38		3,268
		May	41	121	97	129	141	128	49	80	163	128	143	141	132	51	43	165	157	174	198	134	57	67	125	165	154	130	158	41	50	4	113	3,478
		June	125	130	119	63	41	142	144	128	126	143	74	41	136	168	142	172	153	70	49	141	143	199	162	173	42	56	165	198	183	141		3,769
		July	123	50	49	6	176	151	190	178	45	51	170	157	155	181	136	58	50	170	184	174	145	147	48	60	180	162	190	142	151	98	96	3,873
		August	134	141	159	124	111	30	24	129	151	153	170	132	51	44	119	106	128	154	120	61	58	145	123	148	178	151	56	55	135	134	120	3,544
		September	159	141	53	61	47	171	155	160	131	50	60	141	113	165	155	131	41	70	133	133	135	131	114	42	67	154	139	159	148	156		3,515
		October	43	55	137	144	167	146	146	52	45	150	155	167	162	167	51	87	170	146	173	164	121	66	85	166	123	141	143	147	56	71	149	3,796
		November	119	166	121	152	39	63	181	136	178	139	113	64	74	199	146	145	147	141	53	61	142	92	107	-	0	49	54	139	156	130		3,306
		December	137	147	35	34	161	146	145	169	148	57	45	126	168	166	164	153	50	50	145	100	155	153	137	42	-	1	50	69	50	67	58	3,128
	2011 Total		1,009	1,004	844	861	1,032	1,113	1,184	1,152	1,050	952	1,062	1,099	1,092	1,285	1,108	1,055	950	1,129	1,189	1,116	1,105	1,117	948	888	984	1,046	1,096	1,233	1,180	991	670	32,543
	2012	January	55	36	113	145	137	139	45	39	149	178	148	155	159	71	64	42	133	152	161	177	49	63	123	177	204	172	158	44	50	164	211	3,713
		February	198	174	193	43	49	181	202	191	167	161	50	38	163	152	187	171	151	56	56	208	228	184	167	121	54	41	153	160	147			4,046
		March	174	236	53	42	154	187	177	168	166	56	60	170	188	171	166	132	61	54	167	161	154	134	116	38	57	145	175	257	144	158	66	4,187
		April	60	162	139	184	146	163	47	68	148	161	181	182	137	57	57	157	173	181	151	122	57	14	164	158	146	175	108	32	104	144		3,777
		May	174	184	164	168	70	141	176	191	176	201	155	65	94	179	193	175	219	-														2,725
	2012 Total		661	792	662	582	556	811	647	657	806	757	594	610	741	630	667	677	737	443	535	668	488	395	570	494	461	533	594	493	445	466	277	18,448
Parking_DomWater1 Total			1,670	1,796	1,506	1,443	1,588	1,924	1,831	1,809	1,855	1,709	1,656	1,709	1,833	1,915	1,775	1,732	1,687	1,572	1,724	1,784	1,593	1,512	1,518	1,382	1,445	1,579	1,690	1,726	1,625	1,457	947	50,991
Pitman_Irrigation_Water	2011	July						4	92	246	266	269	283	338	576	495	427	312	279	268	270	284	376	299	303	304	318	372	302	409	443	527	566	8,626
		August	518	591	794	685	628	806	773	957	874	794	818	905	899	849	788	832	799	813	780	750	831	743	792	654	624	607	608	566	508	447	499	22,532
		September	553	637	498	381	352	408	420	803	547	562	455	429	491	374	341	357	354	405	358	345	349	376	436	449	385	373	350	350	355	349		12,840
		October	364	403	401	357	351	353	355	358	355	351	390	329	364	358	349	373	369	359	371	366	368	368	366	360	377	378	421	402	388	444	697	11,845
		November	1,090	407	603	484	419	430	381	3,703	6,787	401	389	408	432	484	1,318	858	540	540	740	480	289	17,449	217	27,017	19,249	32,398	9,967	311	320	347		128,459
		December	374	487	412	502	508	447	489	476	546	510	451	530	455	536	496	536	462	464	761	4,256	1,686	565	5,059	748	389	460	357	350	386	284	251	24,235
	2011 Total		2,898	2,525	2,709	2,409	2,259	2,448	2,509	6,543	9,374	2,886	2,786	2,940	3,217	3,096	3,720	3,267	2,803	2,849	3,279	6,481	3,898	19,800	7,173	29,533	21,343	34,587	12,007	2,389	2,399	2,398	2,013	208,537
	2012	January	342	808	554	249	745	288	242	790	458	243	1,674	847	612	462	369	329	940	1,608	3,563	1,736	1,368	395	397	271	290	594	424	731	809	238	188	22,564
		February	216	230	278	541	241	269	301	238	239	186	179	201	273	260	393	264	230	216	240	243	221	205	208	190	166	172	185	182	227			6,994
		March	247	268	238	240	271	332	309	364	386	431	517	494	368	492	1,704	979	558	1,598	1,509	1,159	1,029	388	374	361	275	347	595	499	637	461	387	17,818
		April	274	318	392	401	409	398	337	342	397	402	313	262	220	218	205	192	210	207	215	206	219	228	256	231	220	223	218	230	226	248		8,217
		May	240	251	242	258	395	3,745	1,552	476	559	511	544	803	758	3,963	4,085	4,972	8,298	351														32,002
	2012 Total		1,318	1,874	1,705	1,689	2,062	5,032	2,741	2,209	2,038	1,774	3,226	2,606	2,231	5,396	6,756	6,735	10,236	3,980	5,527	3,345	2,837	1,215	1,236	1,053	952	1,336	1,422	1,642	1,899	947	574	87,595
Pitman_Irrigation_Water Total			4,217	4,399	4,413	4,098	4,321	7,481	5,249	8,752	11,412	4,660	6,012	5,546	5,447	8,492	10,476	10,002	13,039	6,829	8,806	9,826	6,735	21,015	8,409	30,586	22,295	35,923	13,428	4,031	4,298	3,345	2,588	296,132
Pitman_Water	2011	July						6	24	15	-	-	18	24	25	34	22	1	1	23	32	23	16	35	-	-	17	24	23	24	19	-	2	408
		August	10	12	18	20	10	-	5	23	19	22	26	24	1	3	20	22	26	25	35	14	2	17	27	30	22	26	-	-	20	19	21	520
		September	20	22	1	1	1	28	20	22	28	-	-	18	30	24	23	20	1	3	25	19	15	20	22	1	2	25	18	21	17	17		464
		October	6	-	19	20	18	28	26	1	1	19	23	23	20	14	-	-	23	21	18	18	12	-	1	23	20	18	24	16	2	6	29	449
		November	27	26	16	18	1	-	15	20	23	20	21	-	1	25	18	21	21	18	-	1	10	6,292	10	7,155	5,237	8,038	2,446	17	19	18		29,533
		December	19	17	3	-	21	20	19	24	15	-	3	16	19	25	21	10	-	1	16	18	11	5	11	-	1	2	3	17	3	2	-	322
	2011 Total		82	77	57	59	51	82	109	105	86	61	91	105	96	125	104	74	72	91	126	93	66	6,369	71	7,209	5,299	8,133	2,514	95	80	62	52	31,696
	2012	January	2	1	15	17	21	15	2	1	22	15	14	23	19	-	-	2	19	19	24	18	-	3	21	18	17	17	17	2	-	15	25	384
		February	20	23	27	-	-	21	18	26	22	18	2	-	18	15	22	23	18	-	2	21	18	22	15	22	-	2	26	22	22			445
		March	19	16	-	1	23	19	15	24	20	1	1	21	16	24	24	20	-	1	14	18	19	16	12	1	-	20	25	21	19	22	-	432
		April	2	28	26	23	25	15	2	2	20	22	15	17	20	-	-	17	21	29	11	15	-	-	11	20	27	19	7	-	-	14		408
		May	19	22	25	18	-	-	28	18	21	24	22	2	-	20	11	20	16	-														267
	2012 Total		62	90	93	59	69	70	65	71	105	80	54	63	73	59	57	82	74	49	51	72	37	41	59	61	44	58	75	45	41	51	25	1,936
Pitman_Water Total			144	167	150	118	120	152	174	176	191	141	145	168	169	184	161	156	146	140	177	165	103	6,410	130	7,270	5,343	8,191	2,589	140	121	113	77	33,632
Rathbone_DomWater21	2012	March																												1,000	2,200	1,900	800	5,900
		April	600	2,000	1,900	1,900	2,000	1,500	800	600	2,100	1,800	1,800	1,800	1,500	600	500	2,500	2,800	3,500	2,000	4,500	4,200	2,400	3,000	2,300	2,000	5,067	6,600	3,400	4,000	6,400		76,066
		May	5,600	3,400	3,500	2,700	800	907	2,093	1,900	2,100	1,863	1,637	1,100	400	1,100	2,700	4,900	4,900	200														41,800
	2012 Total		6,200	5,400	5,400	4,600	2,800	2,407	2,893	2,500	4,200	3,663	3,437	2,900	1,900	1,700	3,200	7,400	7,700	3,700	2,000	4,500	4,200	2,400	3,000	2,300	2,000	5,067	6,600	4,400	6,200	8,300	800	123,766
Rathbone_DomWater21 Total			6,200	5,400	5,400	4,600	2,800	2,407	2,893	2,500	4,200	3,663	3,437	2,900	1,900	1,700	3,200	7,400	7,700	3,700	2,000	4,500	4,200	2,400	3,000	2,300	2,000	5,067	6,600	4,400	6,200	8,300	800	123,766
Seaton_DomWater44	2012	March																														28,700	45,000	73,700
		April	45,200	49,300	47,300	49,200	45,700	45,800	43,000	42,900	50,800	39,700	38,400	39,500	42,400	30,700	31,000	34,400	45,000	40,200	42,000	47,000	43,700	45,200	49,900	44,900	54,800	57,767	58,700	46,000	42,300	50,000		1,342,778
		May	44,300	46,000	55,700	59,500	55,500	56,349	55,351	52,900	57,900	52,515	40,985	35,800	32,300	43,814	45,786	37,400	36,500	1,400														810,006
	2012 Total		89,500	95,300	103,000	108,700	101,200	102,149	98,351	95,800	108,700	92,215	79,385	75,300	74,700	74,514	76,786	71,800	81,500	41,600	42,000	47,000	43,700	45,200	49,900	44,900	54,800	57,767	58,700	46,000	42,300	78,700	45,000	2,226,483
Seaton_DomWater44 Total			89,500	95,300	103,000	108,700	101,200	102,149	98,351	95,800	108,700	92,215	79,385	75,300	74,700	74,514	76,786	71,800	81,500	41,600	42,000	47,000	43,700	45,200	49,900	44,900	54,800	57,767	58,700	46,000	42,300	78,700	45,000	2,226,483
Seaton_DomWater45	2012	March																														13,000	19,100	32,100
		April	18,800	21,700	20,900	20,200	20,900	20,800	18,600	18,100	20,500	20,300	20,500	19,700	19,400	18,700	18,500	20,700	21,200	21,100	19,900	19,500	20,500	14,500	21,100	21,300	19,900	21,100	21,100	19,200	19,100	19,100		596,900
		May	20,500	20,800	20,400	20,300	19,200	19,504	20,596	20,000	20,400	19,963	19,937	19,000	18,400	19,298	18,202	18,800	19,000	700														335,000
	2012 Total		39,300	42,500	41,300	40,500	40,100	40,304	39,196	38,100	40,900	40,263	40,437	38,700	37,800	37,998	36,702	39,500	40,200	21,800	19,900	19,500	20,500	14,500	21,100	21,300	19,900	21,100	21,100	19,200	19,100	32,100	19,100	963,999
Seaton_DomWater45 Total			39,300	42,500	41,300	40,500	40,100	40,304	39,196	38,100	40,900	40,263	40,437	38,700	37,800	37,998	36,702	39,500	40,200	21,800	19,900	19,500	20,500	14,500	21,100	21,300	19,900	21,100	21,100	19,200	19,100	32,100	19,100	963,999
SheepGoat_Water1	2012	February																				-	4	2	1	4	1	4	246	26	0			287
		March	11	-	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	-	13
		April	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	46	-	-	-	-	-		47
		May	-	0	0	29	22	1	5	-	-	5	6	-	-	-	-	-	6	-														75
	2012 Total		11	0	2	29	22	1	5	-	-	5	7	-	-	-	-	-	6	-	-	0	4	2	1	4	47	4	246	26	0	-	-	423
SheepGoat_Water1 Total			11	0	2	29	22	1	5	-	-	5	7	-	-	-	-	-	6	-	-	0	4	2	1	4	47	4	246	26	0	-	-	423
Throckmorton_DomWater4	2012	May				900	2,300	2,300	3,800	4,800	5,300	6,016	6,084	3,600	4,000	6,250	4,750	3,500	3,700	100														57,400
	2012 Total					900	2,300	2,300	3,800	4,800	5,300	6,016	6,084	3,600	4,000	6,250	4,750	3,500	3,700	100														57,400
Throckmorton_DomWater48 Total						900	2,300	2,300	3,800	4,800	5,300	6,016	6,084	3,600	4,000	6,250	4,750	3,500	3,700	100														57,400
Throckmorton_DomWater4	2012	May				3,510	15,480	7,170	10,910	13,620	11,090	18,775	12,875	3,770	8,410	13,070	19,880	16,160	22,350	-														177,070
	2012 Total					3,510	15,480	7,170	10,910	13,620	11,090	18,775	12,875	3,770	8,410	13,070	19,880	16,160	22,350	-														177,070
Throckmorton_DomWater49 Total						3,510	15,480	7,170	10,910	13,620	11,090	18,775	12,875	3,770	8,410	13,070	19,880	16,160	22,350	-														177,070
Throckmorton_DomWater5	2012	May				300	700	600	800	2,000	1,700	1,845	1,655	200	100	1,400	1,000	2,900	1,700	-														16,900
	2012 Total					300	700	600	800	2,000	1,700	1,845	1,655	200	100	1,400	1,000	2,900	1,700	-														16,900
Throckmorton_DomWater50 Total						300	700	600	800	2,000	1,700	1,845	1,655	200	100	1,400	1,000	2,900	1,700	-														16,900
Umberger_DomWater52	2012	March																										-	-	-	-	-	-	-
		April	-	-	-	400	900	700	100	-	1,000	900	1,000	800	900	-	-	1,000	900	2,000	600	400	-	-	300	500	400	1,267	400	100	-	750		15,316
		May	1,000	1,100	900	800	-	-	900	2,300	1,800	750	650	-	-	700	1,200	600	900	-														13,600

Umberger_DomWater52	2012 Total		1,000	1,100	900	1,200	900	700	1,000	2,300	2,800	1,650	1,650	800	900	700	1,200	1,600	1,800	2,000	600	400	-	-	300	500	400	1,267	400	100	-	750	-	28,916
Umberger_DomWater52 Total			1,000	1,100	900	1,200	900	700	1,000	2,300	2,800	1,650	1,650	800	900	700	1,200	1,600	1,800	2,000	600	400	-	-	300	500	400	1,267	400	100	-	750	-	28,916
Union_Water1	2011	July					4,000	4,100	-	-	-	81,300	-	-	84,600	-	-	-	-	38,900	5,700	6,500	6,800	5,800	300	200	4,000	6,100	7,300	7,600	6,000	200	600	270,000
		August	13,300	6,900	4,200	5,800	4,600	3,500	400	1,600	2,700	4,500	5,200	4,500	1,400	1,100	2,600	12,500	14,800	14,400	19,200	8,300	5,600	28,100	40,900	43,300	43,200	39,300	14,600	10,700	40,200	40,600	42,500	480,499
		September	40,000	40,100	18,000	5,000	2,800	28,800	30,500	32,000	29,800	6,800	4,500	31,500	33,600	34,600	37,700	35,100	18,100	8,500	34,700	35,900	36,600	37,400	36,500	14,700	3,700	32,000	37,000	37,700	35,900	34,200		813,711
		October	18,200	4,600	37,000	36,400	39,900	41,500	39,700	10,000	12,500	39,700	44,200	49,800	48,500	44,300	24,700	8,800	34,200	41,800	43,100	42,400	39,900	13,700	16,100	46,100	42,900	43,400	41,600	42,800	17,500	5,500	34,700	1,005,518
		November	32,600	36,600	34,900	31,300	13,300	3,600	34,000	41,500	35,200	38,100	45,700	9,000	5,100	26,400	28,900	27,300	30,800	33,600	5,900	3,200	4,600	5,584,299	2,900	8,257,035	6,419,593	9,049,623	2,814,701	18,000	15,100	25,300		32,708,066
		December	24,800	25,100	10,500	14,400	31,300	27,900	27,400	29,200	26,300	20,600	5,600	26,500	30,200	28,800	24,600	20,700	1,200	200	2,000	2,100	3,400	2,300	2,900	100	-	100	300	100	300	300	100	389,299
	2011 Total		128,900	113,300	104,600	92,900	95,900	109,400	132,000	114,300	106,500	191,000	105,200	121,300	203,400	135,200	118,500	104,400	99,100	137,400	110,600	98,400	96,900	5,671,599	99,600	8,361,435	6,513,393	9,170,523	2,915,501	116,900	115,000	106,100	77,900	35,667,092
	2012	January	100	200	2,300	2,636	4,800	6,100	700	400	8,100	11,400	8,600	6,600	1,200	-	-	-	-	-	-	100,000	-	-	-	-	-	102,000	4,500	3,600	2,600	3,100	1,500	270,436
		February	3,600	8,200	4,900	11,100	8,800	7,800	8,600	9,800	9,300	11,200	14,700	13,700	13,300	10,700	7,900	7,600	5,100	6,400	4,300	7,300	7,300	3,200	7,200	6,800	8,900	4,400	7,400	3,500	7,500			230,499
		March	5,500	9,100	9,400	3,000	3,600	-	2,500	6,700	5,000	4,600	4,200	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,300
		April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
		May	-	-	-	-	-	-	-	-	-	100	-	500	-	-	-	-	-	-														600
	2012 Total		9,200	17,500	16,600	16,736	17,200	13,900	11,800	16,900	22,400	27,300	27,500	21,500	14,500	10,700	7,900	7,600	5,100	6,400	4,300	107,300	7,300	3,200	7,200	6,800	8,900	106,400	11,900	7,100	10,100	3,100	1,500	555,835
Union_Water1 Total			138,100	130,800	121,200	109,636	113,100	123,300	143,800	131,200	128,900	218,300	132,700	142,800	217,900	145,900	126,400	112,000	104,200	143,800	114,900	205,700	104,200	5,674,799	106,800	8,368,235	6,522,293	9,276,923	2,927,401	124,000	125,100	109,200	79,400	36,222,926
Union_Water2	2011	July					19	21	-	2,000	3,000	1,757	2,001	1,000	5,578	6,002	7,005	10,005	10,001	6,609	7,152	6,220	7,294	7,914	11,800	10,578	7,381	5,567	6,520	6,456	7,630	11,798	11,571	162,879
		August	5,183	6,089	7,422	7,336	6,322	8,649	11,667	5,866	5,759	4,716	5,429	6,031	8,796	9,490	4,339	3,705	4,122	4,319	5,365	7,511	9,830	2,511	1,392	1,146	2,171	2,106	7,690	9,848	2,363	1,720	1,848	170,741
		September	1,665	2,510	6,531	12,014	12,320	4,007	4,355	5,304	5,062	10,677	11,766	4,441	4,281	4,265	3,649	4,084	7,647	10,374	4,037	3,296	2,996	3,549	3,514	8,098	11,787	4,272	3,447	3,393	3,520	4,215		171,076
		October	8,378	11,865	3,834	3,769	3,224	3,501	3,326	10,158	8,318	3,676	2,831	161	170	1,002	2,680	7,915	3,320	1,642	1,477	1,273	1,770	7,622	5,434	1,066	394	559	654	605	5,281	8,956	1,149	116,010
		November	1,093	816	1,892	3,001	6,715	8,688	2,787	1,071	2,054	1,273	666	4,858	5,272	2,537	1,917	2,328	2,599	2,893	10,758	12,445	11,357	70,679	12,390	158,099	131,556	153,448	14,655	3,957	3,086	3,889		638,780
		December	3,321	4,903	9,117	6,367	4,575	4,810	4,959	4,221	3,603	2,901	10,735	4,391	3,469	2,912	3,968	5,081	11,381	12,548	8,141	9,570	9,405	9,513	9,919	12,593	12,281	11,508	11,634	11,625	12,117	11,915	12,451	245,934
	2011 Total		19,640	26,183	28,796	32,487	33,175	29,676	27,094	28,620	27,796	25,000	33,428	20,882	27,566	26,208	23,558	33,118	39,070	38,385	36,930	40,315	42,652	101,788	44,449	191,580	165,570	177,460	44,600	35,884	33,997	42,493	27,019	1,505,419
	2012	January	12,740	11,566	9,183	9,046	9,014	9,855	11,946	11,656	8,477	8,066	8,575	8,097	7,663	9,003	11,002	9,002	6,000	5,002	6,002	5,000	9,004	10,004	5,001	6,001	5,001	4,833	5,000	10,000	11,000	4,000	3,000	249,738
		February	3,000	4,000	5,000	10,000	12,000	4,000	5,000	6,000	5,000	5,000	7,000	11,000	5,000	5,000	5,000	5,000	5,000	10,000	11,000	5,000	3,000	4,000	4,000	4,000	8,000	10,000	5,000	4,000	5,000			175,000
		March	4,000	4,000	9,000	9,000	5,000	4,000	3,000	4,000	5,000	11,000	8,000	4,000	4,000	3,000	1,000	4,000	10,000	10,000	8,000	8,000	7,000	6,000	6,000	8,000	7,000	2,000	1,000	3,000	3,000	3,000	3,000	167,000
		April	7,000	3,000	2,000	2,000	2,000	3,000	9,000	10,000	5,000	-	3,000	3,000	3,000	8,000	5,000	5,000	3,000	3,000	1,000	2,000	12,000	2,000	12,000	2,000	1,000	49,000	1,000	2,000	13,000	14,000		187,000
		May	3,000	3,000	1,000	-	1,000	2,000	1,000	1,000	1,000	1,333	667	2,000	5,000	4,000	5,000	5,000	4,000	1,000														41,000
	2012 Total		29,740	25,566	26,183	30,046	29,014	22,855	29,946	32,656	24,477	25,399	27,242	28,097	24,663	29,003	27,002	28,002	28,000	29,002	26,002	20,000	31,004	22,004	27,001	20,001	21,001	65,833	12,000	19,000	32,000	21,000	6,000	819,738
Union_Water2 Total			49,380	51,749	54,979	62,533	62,189	52,531	57,040	61,276	52,273	50,399	60,670	48,979	52,229	55,211	50,560	61,120	67,070	67,387	62,932	60,315	73,656	123,792	71,450	211,581	186,571	243,293	56,600	54,884	65,997	63,493	33,019	2,325,157
Ward_DomWater55	2012	April																-	600	300	300	2,100	100	100	300	100	400	1,100	200	-	100	200		5,900
		May	200	300	200	200	100	-	300	500	300	250	150	100	-	600	200	300	200	-														3,900
	2012 Total		200	300	200	200	100	-	300	500	300	250	150	100	-	600	200	300	800	300	300	2,100	100	100	300	100	400	1,100	200	-	100	200		9,800
Ward_DomWater55 Total			200	300	200	200	100	-	300	500	300	250	150	100	-	600	200	300	800	300	300	2,100	100	100	300	100	400	1,100	200	-	100	200		9,800
West_Water	2011	July						-	-	-	-	-	-	-	-	-	-	-	-	-	134,595	-	-	79,281	34,096	-	97,928	-	-	-	111,790	-	-	457,690
		August	-	-	-	-	111,790	-	13,527	-	-	-	-	111,790	-	-	111,790	111,790	-	111,790	111,790	111,790	111,790	111,790	111,790	111,790	111,790	111,790	111,790	111,902	111,790	223,580	111,790	2,137,648
		September	111,790	111,790	111,790	-	111,790	111,790	223,580	111,790	111,902	111,790	111,902	111,790	111,790	111,790	111,790	111,790	111,790	111,901	111,790	111,790	111,790	223,580	111,790	111,902	111,790	111,790	111,790	111,790	111,790	111,790		3,465,936
		October	111,790	111,901	111,790	-	-	111,790	111,790	111,790	111,790	111,902	111,790	111,790	111,790	223,580	-	111,790	223,580	111,790	111,790	111,790	111,790	111,790	111,790	111,790	111,902	111,790	111,790	111,790	111,790	111,790	111,790	3,354,034
		November	223,580	111,790	111,790	111,790	111,790	111,790	111,790	223,580	111,790	111,790	111,790	111,790	111,790	111,790	112,013	111,790	223,580	111,790	-	-	-	13,795,336	-	16,769,838	11,291,682	19,034,433	5,701,735	223,692	111,790	153,525		69,429,842
		December	-	111,790	111,790	111,790	111,790	223,580	111,790	111,790	95,469	-	111,902	111,790	223,692	111,790	111,790	111,790	111,790	-	-	-	111,790	-	-	-	-	-	111,790	-	-	-	111,790	2,219,702
	2011 Total		447,160	447,271	447,160	223,580	447,160	558,950	572,476	558,950	430,951	335,482	447,384	558,950	559,062	558,950	447,383	558,950	670,740	447,271	469,965	335,370	447,160	14,321,777	369,466	17,105,320	11,725,092	19,369,803	6,148,895	559,174	558,950	600,685	335,370	81,064,860
	2012	January	-	-	-	111,790	-	-	111,790	-	111,790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,244,967	153,935	137,390	138,172	159,636	149,463	3,318,933
		February	141,861	144,880	145,997	134,707	126,099	154,270	145,774	141,526	147,004	101,952	-	-	422,007	145,104	149,240	143,202	142,197	131,688	124,646	135,937	136,831	131,353	130,906	127,441	129,341	123,081	128,223	123,640	124,534			3,933,453
		March	132,024	142,644	115,367	113,467	129,341	122,298	136,160	132,918	128,670	131,800	122,522	142,085	131,800	143,538	128,223	128,111	47,622	40,021	37,785	53,771	60,926	73,222	51,200	42,145	93,568	134,707	134,036	153,823	41,138	-	-	3,044,926
		April	-	-	-	-	1,090,735	134,819	106,647	106,759	135,489	126,993	135,936	130,682	138,731	127,664	116,485	128,223	136,160	137,842	125,760	153,487	103,406	142,309	130,235	126,546	119,726	125,876	133,029	103,965	117,601	105,306		4,240,414
		May	130,235	143,091	127,664	132,136	132,583	123,081	143,762	134,148	135,378	132,599	116,916	47,958	4,024	22,134	4,695	11,067	16,768	-														1,558,237
	2012 Total		404,121	430,615	389,029	492,100	1,478,758	534,469	644,134	515,352	658,331	493,345	375,375	320,725	696,564	438,440	398,644	410,604	342,748	309,551	288,192	343,194	301,162	346,884	312,341	296,132	342,635	2,628,631	549,223	518,817	421,446	264,942	149,463	16,095,964
West_Water Total			851,281	877,887	836,189	715,679	1,925,918	1,093,418	1,216,610	1,074,302	1,089,282	828,827	822,758	879,675	1,255,625	997,390	846,027	969,554	1,013,488	756,822	758,157	678,564	748,322	14,668,662	681,807	17,401,453	12,067,728	21,998,434	6,698,119	1,077,991	980,396	865,627	484,833	97,160,827
Willard_DomWater59	2012	April																									780	2,340	1,460	1,080	1,310	3,760		10,730
		May	4,160	6,220	2,260	670	290	420	1,000	780	714	1,075	550	70	106	364	400	430	280	-														19,789
	2012 Total		4,160	6,220	2,260	670	290	420	1,000	780	714	1,075	550	70	106	364	400	430	280	-							780	2,340	1,460	1,080	1,310	3,760		30,519
Willard_DomWater59 Total			4,160	6,220	2,260	670	290	420	1,000	780	714	1,075	550	70	106	364	400	430	280	-							780	2,340	1,460	1,080	1,310	3,760		30,519
Grand Total			4,668,839	4,978,538	4,753,993	4,843,665	6,113,170	5,253,918	5,834,603	5,219,883	6,111,548	5,478,517	4,419,630	5,737,703	6,021,658	5,175,654	5,378,029	5,117,290	4,945,782	4,000,037	4,073,861	4,757,256	4,336,397	31,934,669	4,258,025	39,290,621	29,832,796	47,213,850	16,876,717	5,044,179	4,499,814	4,360,473	2,590,504	293,121,652

HOUSING WATER METERS, MAY 7-11, 2012
READINGS

		X	PAGE	19-Apr	7-May	8-May	9-May	10-May	11-May
REC COMPLEX	W0210	0.1337	21	702341	702341	702342	702342	702342	702342
REC COMPLEX, HANDBA	W0220	1	21	164	167	168	168	168	168
EDWARDS	W0025,HIGH	0.1337	21	3542	3557	3558	3559	3560	3560
EDWARDS	W0025,LOW	0.01337	21	135730	136366	136411	136457	136497	136538
DAVENPORT	W0415	1	29	5444	5452	5452	5453	5454	5454
JARDINE	W0450	1	30	41533	41533	41533	41533	41533	41533
JARDINE	W0455	1	30	9197	327	389	452	515	579
PITTMAN, IRRIGATION	W0460	0.1337	30	102150	102158	102158	102158	102158	102158
PITTMAN	W0430	1	30	26467	26474	26474	26475	26475	26476
MARLATT	W0425	1.337	31	10983	11521	11571	11623	11678	11693
KRAMER	W0420	1	32	32779	33210	33244	33279	33309	33341
GOODNOW	W0410	1	33	84757	85324	85382	85440	85514	85539
DERBY	W0405	0.1337	34	26382	48006	49040	50099	51155	52048
WEST	W0445	1	34	296480	296739	296752	296768	296781	296793
BOYD	W0400	1	36	10355	10616	10628	10650	10660	10680
VAN ZILE	W0440	0.1	37	6580	6805	6820	6834	6847	6860
PUTNAM	W0435	0.1	37	41136	n/a	n/a	43924	n/a	n/a
SMURTHWAITE	NOT THRU FACILIITIES								

HOUSING WATER METERS, MAY 7-11, 2012
USAGE in CCF

		X	PAGE	19-Apr	18 days use 7-May	8-May	9-May	10-May	11-May
REC COMPLEX	W0210	0.1337	21		0	0	0	0	0
REC COMPLEX, HANDBA	W0220	1	21		3	1	0	0	0
EDWARDS	W0025,HIGH	0.1337	21		2	0	0	0	0
EDWARDS	W0025,LOW	0.01337	21		9	1	1	1	1
DAVENPORT	W0415	1	29		8	0	1	1	0
JARDINE	W0450	1	30		0	0	0	0	0
JARDINE	W0455	1	30		1130	62	63	63	64
PITTMAN, IRRIGATION	W0460	0.1337	30		1	0	0	0	0
PITTMAN	W0430	1	30		7	0	1	0	1
MARLATT	W0425	1.337	31		719	67	70	74	20
KRAMER	W0420	1	32		431	34	35	30	32
GOODNOW	W0410	1	33		567	58	58	74	25
DERBY	W0405	0.1337	34		2891	138	142	141	119
WEST	W0445	1	34		259	13	16	13	12
BOYD	W0400	1	36		261	12	22	10	20
VAN ZILE	W0440	0.1	37		23	2	1	1	1
PUTNAM	W0435	0.1	37		n/a	n/a	279	n/a	n/a
SMURTHWAITE	NOT THRU FACILIITIES						20 Days use		

Kansas State University

2025 University Master Plan Update

Water Distribution System

BG Project # 10-1078M July 5, 2012

Table A.1 - Available Fire Hydrant Flow Rates

0-499	500-999	1000-1499	1500+

Fire Hydrant Number	Flow Rate (GPM) Existing Conditions 10" Open	Flow Rate (GPM) Existing Conditions 10" Closed	Additional Flow w/10" Connection Open
1	699	699	0
2	3488	3488	0
3	1721	536	1185
4	1729	535	1194
5	1740	528	1212
6	1703	538	1165
7	1739	534	1205
8	1515	534	981
9	962	529	433
10	791	531	260
11	912	529	383
12	1537	542	995
13	538	395	143
14	1736	527	1209
15	1756	519	1237
17	1490	549	941
18	1570	549	1021
19	341	274	67
20	720	523	197
21	1755	549	1206
22	1644	541	1103
23	778	517	261
24	1080	548	532
25	291	232	59
26	1587	556	1031
27	1762	553	1209
28	880	553	327
29	856	511	345
30	1769	497	1272
31	1272	548	724
32	1584	553	1031
33	234	188	46
34	607	428	179
35	1648	520	1128
36	1633	501	1132
37	1774	493	1281
38	1154	487	667
39	1778	487	1291
40	1791	472	1319
41	2811	2811	0
42	5000	3422	1578

Kansas State University

2025 University Master Plan Update

Water Distribution System

BG Project # 10-1078M July 5, 2012

Table A.1 - Available Fire Hydrant Flow Rates

0-499	500-999	1000-1499	1500+

Fire Hydrant Number	Flow Rate (GPM) Existing Conditions 10" Open	Flow Rate (GPM) Existing Conditions 10" Closed	Additional Flow w/10" Connection Open
43	5000	3217	1783
44	512	384	128
45	920	483	437
46	1782	452	1330
47	841	474	367
48	1219	435	784
49	1180	446	734
50	1679	420	1259
51	1429	421	1008
52	331	260	71
53	1510	342	1168
54	2155	2119	36
55	336	334	2
56	266	173	93
58	1426	1406	20
59	1435	1415	20
60	1562	1538	24
61	1587	1563	24
62	1652	1625	27
63	177	176	1
64	177	176	1
65	1726	1698	28
66	1771	1741	30
67	2052	2014	38
69	991	989	2
70	1329	1310	19
71	1474	1452	22
72	1530	1507	23
73	1616	1591	25
74	1723	1694	29
75	1764	1734	30
76	1802	1771	31
77	2025	1996	29
78	1017	1008	9
79	318	181	137
80	1982	249	1733
81	1045	1044	1
82	1144	1142	2
83	1238	1236	2
84	1049	1038	11
85	1071	1059	12

Kansas State University

2025 University Master Plan Update

Water Distribution System

BG Project # 10-1078M July 5, 2012

Table A.1 - Available Fire Hydrant Flow Rates

0-499	500-999	1000-1499	1500+

Fire Hydrant Number	Flow Rate (GPM) Existing Conditions 10" Open	Flow Rate (GPM) Existing Conditions 10" Closed	Additional Flow w/10" Connection Open
86	3992	3953	39
87	759	752	7
88	2612	2595	17
89	4128	4091	37
90	4775	4727	48
91	1965	1961	4
92	1475	1473	2
93	1779	1776	3
94	579	578	1
95	2176	2172	4
96	2441	2436	5
97	1705	1703	2
98	1959	1956	3
99	1944	1941	3
100	2014	2011	3
101	1995	1992	3
102	452	448	4
105	768	768	0
106	409	408	1
107	396	396	0
108	396	396	0
109	394	394	0
110	382	381	1
111	394	394	0
112	383	382	1
113	1703	532	1171
114	1730	525	1205
115	575	425	150
116	1404	1404	0
117	1646	1619	27
118	1756	518	1238
119	972	456	516