



THOMAS  
&  
HUTTON

Exhibit B

## WASTEWATER PUMP STATION DRAWDOWN TESTS

EFFINGHAM COUNTY REGIONAL WATER AND SEWER MODELING

EFFINGHAM COUNTY, GEORGIA

Prepared for:  
EOM OPERATIONS

J – 27600.0000

February 1, 2019

## Index

### Waste Water Drawdown Test

PS # 01	Marlow
PS # 02	South Bend
PS # 04	Hodgeville
PS # 05	Park West #1
PS # 06	Exley
PS # 09	Goshen Road
PS # 10	Windfield
PS # 11	Buckingham
PS # 16	Park West #2
PS # 17	Red Oak
PS # 18	Laurel Mills
PS # 19	Cedar Ridge
PS # 20	Saddle Club
PS # 21	Patriot Point
PS # 22	Summer Station



## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

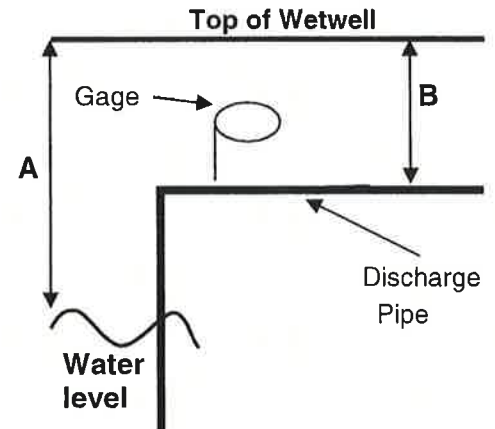
Date: 12/12/18

Time: 10:35

Project #: 27600.0000

Pump Station # / Location: **PS #01 Marlow**

Wetwell Diameter:	<u>6</u>	feet
Discharge Pipe Diameter:	<u>6</u>	inches
	<b>Grunfos</b>	<b>Flygt</b>
	<b>Pump #1</b>	<b>Pump #2</b>
Inflow during Drawdown:	<u>9</u>	<u>9</u> gal/min
Duration of Drawdown:	<u>30.00</u>	<u>30.00</u> seconds
"B":	<u>36.00</u>	<u>36.00</u> inches



Wetwell static head(Av. "A"-"B")	<u>12.60</u>	<u>13.1A</u> feet
Static Head, Gage:		
Gage reading:	<u>30.00</u>	<u>31.00</u> (open)
Feet of Water	<u>69.10</u>	<u>71.4</u> Feet of water = (Psi)(2.303)
"A" finish:	<u>189.50</u>	<u>195.50</u> inches
"A" start:	<u>185.00</u>	<u>190.00</u> inches
Drawdown:	<u>4.50</u>	<u>5.50</u> inches
Total Head:	<u>81.70</u>	<u>13.10</u> Feet of Water
Drawdown rate(gal/min.):	<u>159.00</u>	<u>194.00</u>
Inflow adjustment:	<u>9</u>	<u>9</u>
<b>Total Flow:</b>	<u>168.00</u>	<u>203.00</u> Gals/Min
<b>Total Head:</b>	<u>81.70</u>	<u>84.50</u> Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: Pump #1 is a Grunfos, Pump #2 is a Flygt



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## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

Time: 11:45

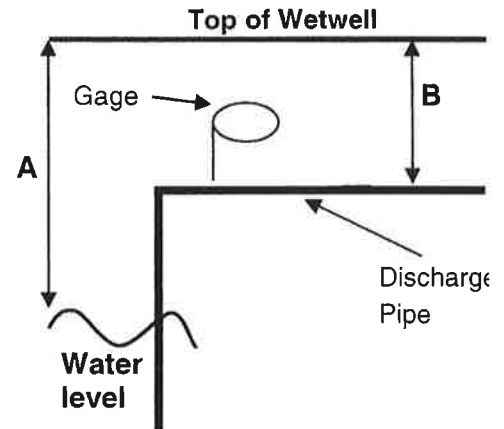
Project #: 27600.0000

Pump Station # / Location: **PS #02 South Bend**

Wetwell Diameter: 10 feet  
Discharge Pipe Diameter: 8 inches

Grundfos Pump #1      Flygt Pump #2

Inflow during Drawdown: 61 N/A gal/min  
Duration of Drawdown: 30.00 N/A seconds  
"B": 39.00 N/A inches



Wetwell static head(Av. "A"-"B") 16.60 N/A feet  
Static Head, Gage:  
Gage reading: 45.00 N/A (open)  
Feet of Water 103.60 N/A Feet of water = (Psi)(2.303)  
"A" finish: 242.50 N/A inches  
"A" start: 233.00 N/A inches  
Drawdown: 9.50 N/A inches  
  
Total Head: 120.20 N/A Feet of Water  
  
Drawdown rate(gal/min.): 930.00 N/A  
Inflow adjustment: 61 N/A  
**Total Flow:** 991.00 N/A Gals/Min  
  
**Total Head:** 120.20 N/A Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks:



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## Pump Station Drawdown

Project: Effingham County Sewer Modeling

Date: 12/20/18

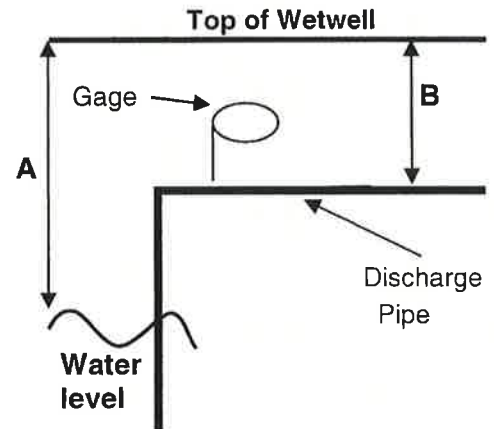
Time: 10:30

Project #: 27600.0000

Pump Station # / Location: PS #04 Hodgeville

Wetwell Diameter: 8 feet  
Discharge Pipe Diameter: 8 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>170</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>30.00</u>	<u>N/A</u>	seconds
"B":	<u>46.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>13.90</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>216.50</u>	<u>N/A</u>	inches
"A" start:	<u>209.00</u>	<u>N/A</u>	inches
Drawdown:	<u>7.50</u>	<u>N/A</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>470.00</u>	<u>N/A</u>
Inflow adjustment:	<u>170</u>	<u>N/A</u>
<b>Total Flow:</b>	<u>640.00</u>	<u>N/A</u> Gals/Min

**Total Head:** N/A N/A Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: Pump #1 test was new pump.



## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

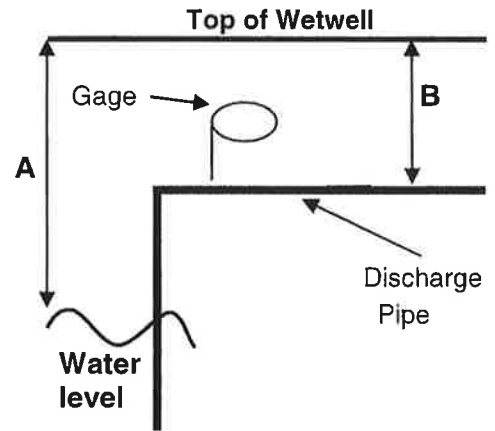
Time: 12:30

Project #: 27600.0000

Pump Station # / Location: **PS #05 Park West #1**

Wetwell Diameter: 10 feet  
Discharge Pipe Diameter: 8 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>73</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>72.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>10.50</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>208.00</u>	<u>N/A</u>	inches
"A" start:	<u>187.00</u>	<u>N/A</u>	inches
Drawdown:	<u>21.00</u>	<u>N/A</u>	inches
Total Head:	<u>N/A</u>	<u>N/A</u>	Feet of Water
Drawdown rate(gal/min.):	<u>1028.00</u>	<u>N/A</u>	
Inflow adjustment:	<u>73</u>	<u>0</u>	
<b>Total Flow:</b>	<u>1101.00</u>	<u>N/A</u>	Gals/Min
<b>Total Head:</b>	<u>N/A</u>	<u>N/A</u>	Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: One pump

## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/20/18

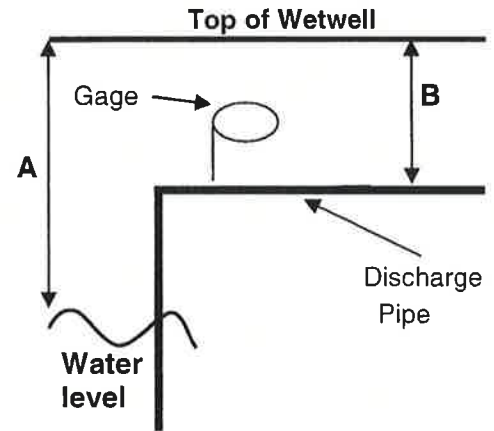
Time: 10:00

Project #: 27600.0000

Pump Station # / Location: **PS # 06 Exley**

Wetwell Diameter: 12x12 feet  
 Discharge Pipe Diameter: 12 inches

	<u>Pump #1</u>	<u>Pump #2</u>	
Inflow during Drawdown:	<u>50</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>48.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>17.70</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>257.50</u>	<u>N/A</u>	inches
"A" start:	<u>253.00</u>	<u>N/A</u>	inches
Drawdown:	<u>4.50</u>	<u>N/A</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>404.00</u>	<u>N/A</u>
Inflow adjustment:	<u>50</u>	<u>N/A</u>
<b>Total Flow:</b>	<u>454.00</u>	<u>N/A</u> Gals/Min

**Total Head:** N/A N/A Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: Pump #1 test was new pump.

## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

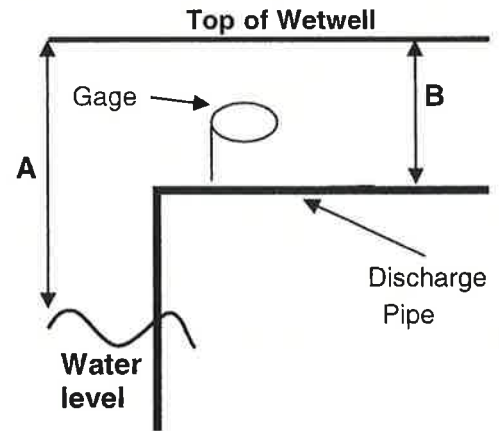
Time: 10:00

Project #: 27600.0000

Pump Station # / Location: **PS #09 Goshen Road**

Wetwell Diameter: 6 feet  
 Discharge Pipe Diameter: 6 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>44</u>	<u>44</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>60.00</u>	seconds
"B":	<u>41.00</u>	<u>41.00</u>	inches



Wetwell static head(Av. "A"-"B")	<u>15.50</u>	<u>16.50</u>	feet
Static Head, Gage:			
Gage reading:	<u>15.00</u>	<u>15.00</u>	(open)
Feet of Water	<u>34.50</u>	<u>34.50</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>233.00</u>	<u>246.00</u>	inches
"A" start:	<u>220.00</u>	<u>232.00</u>	inches
Drawdown:	<u>13.00</u>	<u>14.00</u>	inches
Total Head:	<u>50.00</u>	<u>51.00</u>	Feet of Water
Drawdown rate(gal/min.):	<u>229.00</u>	<u>247.00</u>	
Inflow adjustment:	<u>44</u>	<u>44</u>	
<b>Total Flow:</b>	<u>273.00</u>	<u>291.00</u>	Gals/Min
<b>Total Head:</b>	<u>50.00</u>	<u>51.00</u>	Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks:





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## Pump Station Drawdown

Project: Effingham County Sewer Modeling

Date: 12/12/18

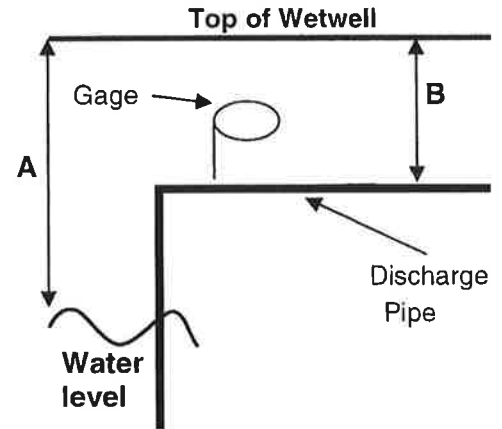
Time: 10:50

Project #: 27600.0000

Pump Station # / Location: PS-10 Windfield

Wetwell Diameter: 10 feet  
Discharge Pipe Diameter: 6 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>24.5</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>30.00</u>	<u>N/A</u>	seconds
"B":	<u>72.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>16.50</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>274.00</u>	<u>N/A</u>	inches
"A" start:	<u>265.00</u>	<u>N/A</u>	inches
Drawdown:	<u>9.00</u>	<u>N/A</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>881.20</u>	<u>N/A</u>
Inflow adjustment:	<u>24.5</u>	<u>0</u>
<b>Total Flow:</b>	<u>905.69</u>	<u>N/A</u> Gals/Min

**Total Head:** N/A N/A Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: Not enough water to run Pump #2



## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

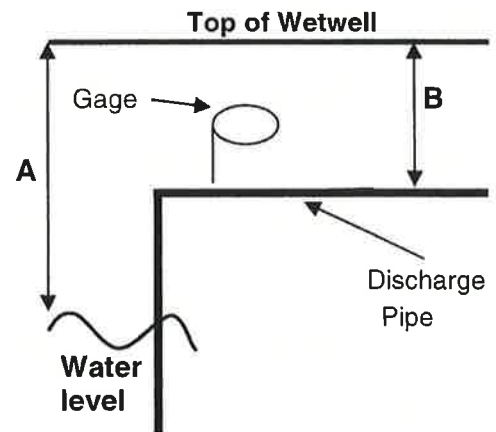
Time: 12:00

Project #: 27600.0000

Pump Station # / Location: **PS #11 Buckingham**

Wetwell Diameter: 6 feet  
Discharge Pipe Diameter: 4 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>31</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>30.00</u>	<u>N/A</u>	seconds
"B":	<u>41.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>17.00</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>248.00</u>	<u>N/A</u>	inches
"A" start:	<u>243.00</u>	<u>N/A</u>	inches
Drawdown:	<u>5.00</u>	<u>N/A</u>	inches
Total Head:	<u>N/A</u>	<u>N/A</u>	Feet of Water
Drawdown rate(gal/min.):	<u>176.00</u>	<u>N/A</u>	
Inflow adjustment:	<u>31</u>	<u>0</u>	
<b>Total Flow:</b>	<u>207.00</u>	<u>N/A</u>	Gals/Min
<b>Total Head:</b>	<u>N/A</u>	<u>N/A</u>	Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks:



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## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

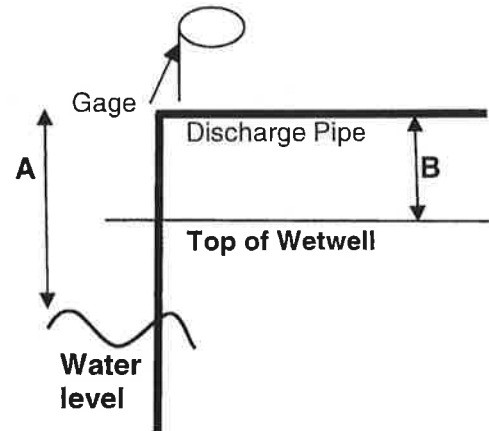
Time: 12:30

Project #: 27600.0000

Pump Station # / Location: **PS #16 Park West #2**

Wetwell Diameter: 8 feet  
Discharge Pipe Diameter: 4 inches

	<u>Pump #1</u>	<u>Pump #2</u>	
Inflow during Drawdown:	<u>5</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>24.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"+"B")	<u>22.30</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>250.00</u>	<u>N/A</u>	inches
"A" start:	<u>238.00</u>	<u>N/A</u>	inches
Drawdown:	<u>12.00</u>	<u>N/A</u>	inches
Total Head:	<u>N/A</u>	<u>N/A</u>	Feet of Water
Drawdown rate(gal/min.):	<u>376.00</u>	<u>N/A</u>	
Inflow adjustment:	<u>5</u>	<u>0</u>	
<b>Total Flow:</b>	<u>381.00</u>	<u>N/A</u>	Gals/Min
<b>Total Head:</b>	<u>N/A</u>	<u>N/A</u>	Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: One pump



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## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

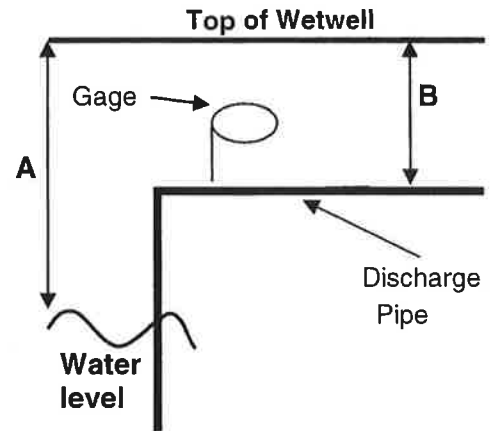
Time: 10:15

Project #: 27600.0000

Pump Station # / Location: **PS #17 Red Oak**

Wetwell Diameter: 4 feet  
Discharge Pipe Diameter: 2 inches

	<u>Pump #1</u>	<u>Pump #2</u>	
Inflow during Drawdown:	<u>0</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>49.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"- "B")	<u>5.00</u>	<u>N/A</u>	feet
Static Head, Gage:			
Gage reading:	<u>30.00</u>	<u>N/A</u>	(open)
Feet of Water	<u>69.00</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>111.00</u>	<u>N/A</u>	inches
"A" start:	<u>107.00</u>	<u>N/A</u>	inches
Drawdown:	<u>4.00</u>	<u>N/A</u>	inches
Total Head:	<u>74.00</u>	<u>N/A</u>	Feet of Water
Drawdown rate(gal/min.):	<u>31.30</u>	<u>N/A</u>	
Inflow adjustment:	<u>0</u>	<u>N/A</u>	
<b>Total Flow:</b>	<u>31.30</u>	<u>N/A</u>	Gals/Min
<b>Total Head:</b>	<u>74.00</u>	<u>N/A</u>	Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

$$\text{Gal/ft of ww} = [(3.14)d^2/4](7.48 \text{ gal/ft}^3)$$

Remarks:



## Pump Station Drawdown

Project: Effingham County Sewer Modeling

Date: 12/12/18

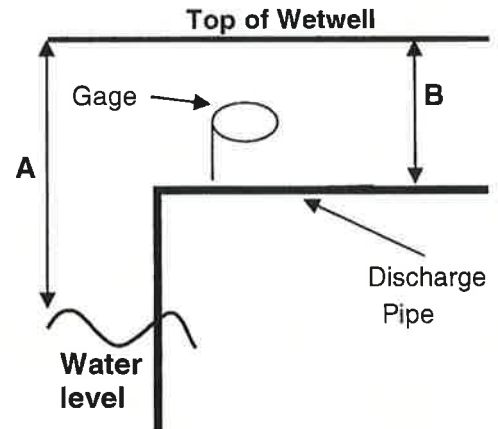
Time: 11:20

Project #: 27600.0000

Pump Station # / Location: PS-<sup>18</sup>~~11~~ Laurel Mills

Wetwell Diameter: 6 feet  
Discharge Pipe Diameter: 4 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>0</u>	<u>0</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>60.00</u>	seconds
"B":	<u>72.00</u>	<u>72.00</u>	inches



Wetwell static head(Av. "A"-"B")	<u>5.63</u>	<u>6.15</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>142.00</u>	<u>148.50</u>	inches
"A" start:	<u>137.00</u>	<u>143.00</u>	inches
Drawdown:	<u>5.00</u>	<u>5.50</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>88.10</u>	<u>96.91</u>	
Inflow adjustment:	<u>0</u>	<u>0</u>	
<b>Total Flow:</b>	<u>88.10</u>	<u>96.91</u>	Gals/Min

**Total Head:** N/A N/A Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: \_\_\_\_\_



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## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/16/18

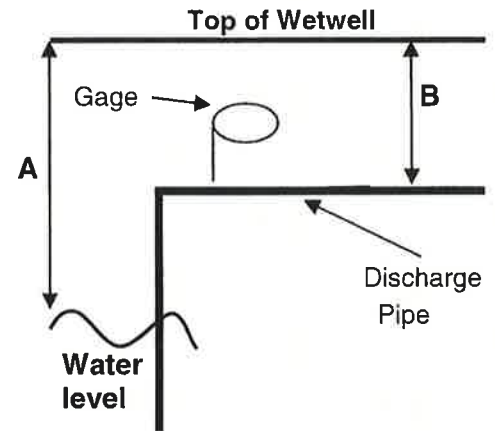
Time: 10:30

Project #: 27600.0000

Pump Station # / Location: **PS # 19 Cedar Ridge**

Wetwell Diameter: 4 feet  
Discharge Pipe Diameter: 2 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>0</u>	<u>0</u>	gal/min
Duration of Drawdown:	<u>30.00</u>	<u>30.00</u>	seconds
"B":	<u>36.00</u>	<u>36.00</u>	inches



Wetwell static head(Av. "A"-"B")	<u>5.14</u>	<u>5.63</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>100.50</u>	<u>106.00</u>	inches
"A" start:	<u>95.00</u>	<u>101.00</u>	inches
Drawdown:	<u>5.50</u>	<u>5.00</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>86.00</u>	<u>78.00</u>	
Inflow adjustment:	<u>0</u>	<u>0</u>	
<b>Total Flow:</b>	<u>86.00</u>	<u>78.00</u>	Gals/Min

Total Head: N/A N/A Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks:



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## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/16/18

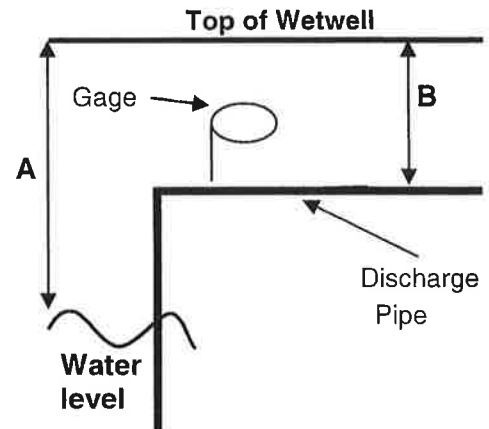
Time: 10:15

Project #: 27600.0000

Pump Station # / Location: **PS #20 Saddle Club**

Wetwell Diameter: 5 feet  
Discharge Pipe Diameter: 6 inches

	Pump #1	Pump #2	
Inflow during Drawdown:	<u>18</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>30.00</u>	<u>N/A</u>	seconds
"B":	<u>60.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"- "B")	<u>12.40</u>	<u>13.00</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>212.00</u>	<u>220.00</u>	inches
"A" start:	<u>205.00</u>	<u>212.00</u>	inches
Drawdown:	<u>7.00</u>	<u>8.00</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>171.00</u>	<u>196.00</u>	
Inflow adjustment:	<u>18</u>	<u>18</u>	
<b>Total Flow:</b>	<u>189.00</u>	<u>214.00</u>	Gals/Min

**Total Head:** N/A N/A Feet of Water

### Factors:

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: One pump

## Pump Station Drawdown

Project: **Effingham County Sewer Modeling**

Date: 12/12/18

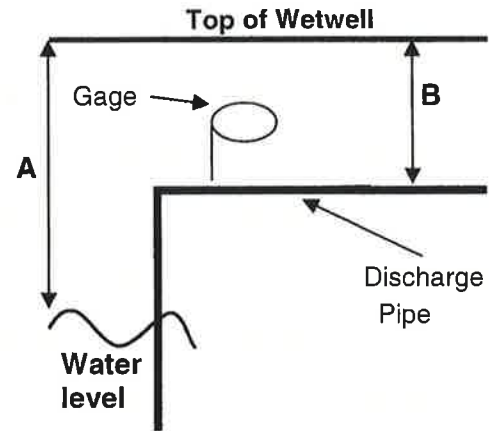
Time: 11:30

Project #: 27600.0000

Pump Station # / Location: **Patriot Point PS # 21**

Wetwell Diameter: 6 feet  
 Discharge Pipe Diameter: 4 inches

	<u>Pump #1</u>	<u>Pump #2</u>	
Inflow during Drawdown:	<u>0</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>63.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>10.30</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>40.00</u>	<u>N/A</u>	(open)
Gage reading:	<u>40.00</u>	<u>N/A</u>	(open)
Feet of Water	<u>92.00</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>193.00</u>	<u>N/A</u>	inches
"A" start:	<u>180.00</u>	<u>N/A</u>	inches
Drawdown:	<u>13.00</u>	<u>N/A</u>	inches
Total Head:	<u>102.40</u>	<u>N/A</u>	Feet of Water
Drawdown rate(gal/min.):	<u>229.00</u>	<u>N/A</u>	
Inflow adjustment:	<u>0</u>	<u>N/A</u>	
<b>Total Flow:</b>	<u>229.00</u>	<u>N/A</u>	Gals/Min
<b>Total Head:</b>	<u>102.40</u>	<u>N/A</u>	Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks:





## Pump Station Drawdown

Project: Effingham County Sewer Modeling

Date: 12/16/18

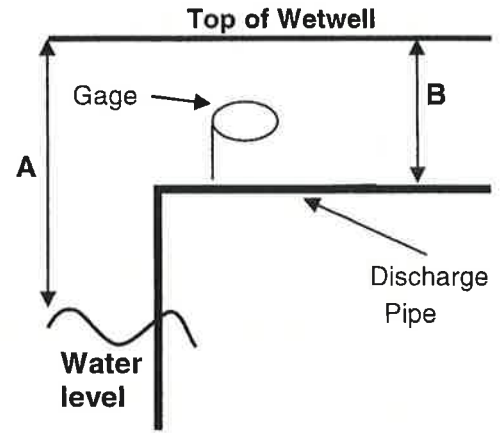
Time: 10:00

Project #: 27600.0000

Pump Station # / Location: Summer Station PS #22

Wetwell Diameter: 5 feet  
Discharge Pipe Diameter: 4 inches

	<u>Pump #1</u>	<u>Pump #2</u>	
Inflow during Drawdown:	<u>0</u>	<u>N/A</u>	gal/min
Duration of Drawdown:	<u>60.00</u>	<u>N/A</u>	seconds
"B":	<u>32.00</u>	<u>N/A</u>	inches



Wetwell static head(Av. "A"-"B")	<u>7.33</u>	<u>N/A</u>	feet
Static Head, Gage:	<u>N/A</u>	<u>N/A</u>	
Gage reading:	<u>N/A</u>	<u>N/A</u>	(open)
Feet of Water	<u>N/A</u>	<u>N/A</u>	Feet of water = (Psi)(2.303)
"A" finish:	<u>125.00</u>	<u>N/A</u>	inches
"A" start:	<u>115.00</u>	<u>N/A</u>	inches
Drawdown:	<u>10.00</u>	<u>N/A</u>	inches

Total Head: N/A N/A Feet of Water

Drawdown rate(gal/min.):	<u>122.00</u>	<u>N/A</u>
Inflow adjustment:	<u>0</u>	<u>0</u>
<b>Total Flow:</b>	<u>122.00</u>	<u>N/A</u> Gals/Min

**Total Head:** N/A N/A Feet of Water

**Factors:**

Wet Well Size	Gal/FT	Gal/In
4	94.00	7.83
6	211.50	17.62
8	376.00	31.33
10	587.46	48.96

Gal/ft of ww =  $[(3.14)d^2/4](7.48 \text{ gal/ft}^3)$

Remarks: One pump