

PROJECT INFO

Job Name:	MICROSOFT - EASTSIDE
Company:	McGuire and Hester
Contact:	Jeremy Hynum
Job Type:	New Station
Water Type/Source:	Wastewater (Sewage)
Import/Domestic:	Import Acceptable



PACKAGE/STARTUP

Offering:	Complete System
Mechanical:	All by Romtec Utilities
Pumps:	By Romtec Utilities
Control Panel:	By Romtec Utilities
Generator:	N/A
Advisor/Startup:	Mechanical & Electrical

DESIGN CRITERIA

FLOW RATE

Peak Inflow:	125	GPM
Pumping Rate:	130	GPM (of single pump)
Static Head:	9.9	Feet
TDH:	14.5	Feet
TDH Calcs:	Given	

ACTIVE VOLUME

Max Pump Starts:	10.00	Starts/Hr
Cycle Time:	6.00	Minutes
Active Volume:	195.00	Gallons
Active Volume:	26.07	Cu Feet
Well Shape:	Round	
Well Diameter:	6	Feet
Well Dimensions:	N/A	N/A
Cross-Section Area:	28.27	Sq Feet
Min. Depth Required:	0.92	Feet
Active Depth:	1.00	Feet

STORAGE VOLUME (if required)

Time:		Minutes
Flow Rate:		GPM
Volume:	0.00	Gallons
Volume:	0.00	Cu. Feet
Min. Depth Required:	0.00	Feet
Storage Depth:		Feet

ON-SITE POWER

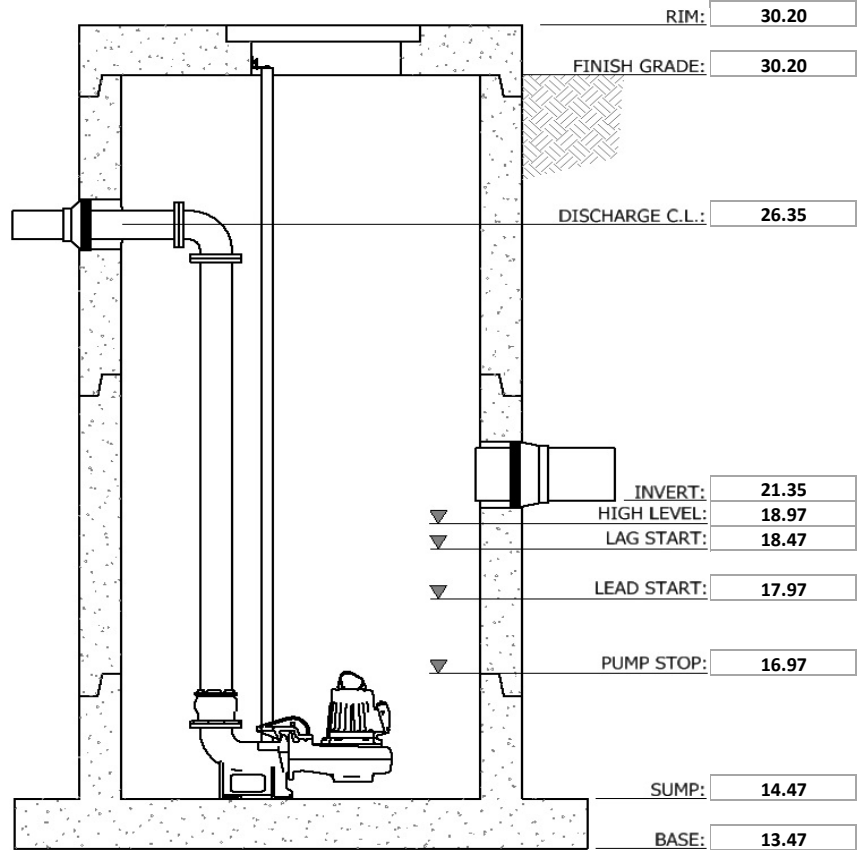
Power:	480V / 3-Phase
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FORCE MAIN

FM Info:	New		
Length:	10	Feet	
FM Discharge:	26.85	Feet	
FM High Point:	26.85	Feet	
	(1)	(2)	(3)
Nominal ID:	4"		
Type/Rating:	HDPE (guess DR17 IPS)		

INFLUENT PIPING

Influent Invert:	21.35	(1)	(2)	(3)
Influent Size:	8"			
Type:				



Note: Image is a preliminary representation of the pumping system. Elevations shown are the primary factors used for sizing the wet well. Backup levels not shown. Additional (or fewer) level settings may be required.

PROJECT INFO

Job Name:	MICROSOFT - CUP
Company:	McGuire and Hester
Contact:	Jeremy Hynum
Job Type:	New Station
Water Type/Source:	Wastewater (Sewage)
Import/Domestic:	Import Acceptable



PACKAGE/STARTUP

Offering:	Complete System
Mechanical:	All by Romtec Utilities
Pumps:	By Romtec Utilities
Control Panel:	By Romtec Utilities
Generator:	N/A
Advisor/Startup:	Mechanical & Electrical

DESIGN CRITERIA

FLOW RATE

Peak Inflow:	400	GPM
Pumping Rate:	400	GPM (of single pump)
Static Head:	10.6	Feet
TDH:	20.5	Feet
TDH Calcs:	RU Calcs	

ACTIVE VOLUME

Max Pump Starts:	10.00	Starts/Hr
Cycle Time:	6.00	Minutes
Active Volume:	600.00	Gallons
Active Volume:	80.21	Cu Feet
Well Shape:	Round	
Well Diameter:	6	Feet
Well Dimensions:	N/A	N/A
Cross-Section Area:	28.27	Sq Feet
Min. Depth Required:	2.84	Feet
Active Depth:	2.80	Feet

STORAGE VOLUME (if required)

Time:		Minutes
Flow Rate:		GPM
Volume:	0.00	Gallons
Volume:	0.00	Cu. Feet
Min. Depth Required:	0.00	Feet
Storage Depth:		Feet

ON-SITE POWER

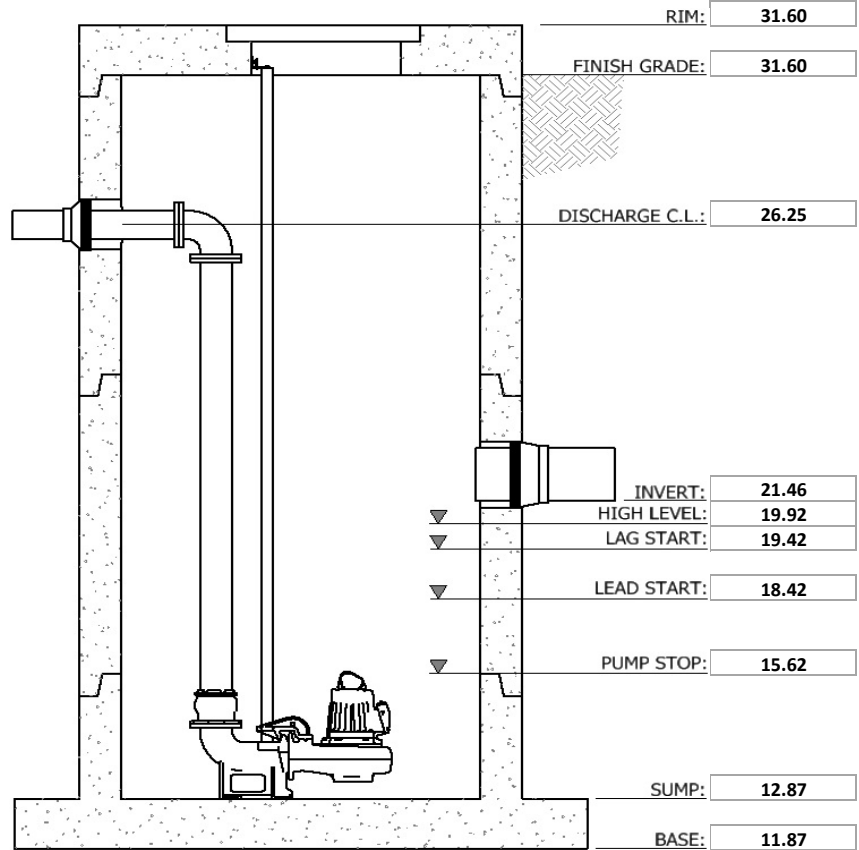
Power:	480V / 3-Phase
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FORCE MAIN

FM Info:	New		
Length:	28	Feet	
FM Discharge:	26.00	Feet	
FM High Point:	26.25	Feet	
	(1)	(2)	(3)
Nominal ID:	6"		
Type/Rating:	HDPE (guess DR17 IPS)		

INFLUENT PIPING

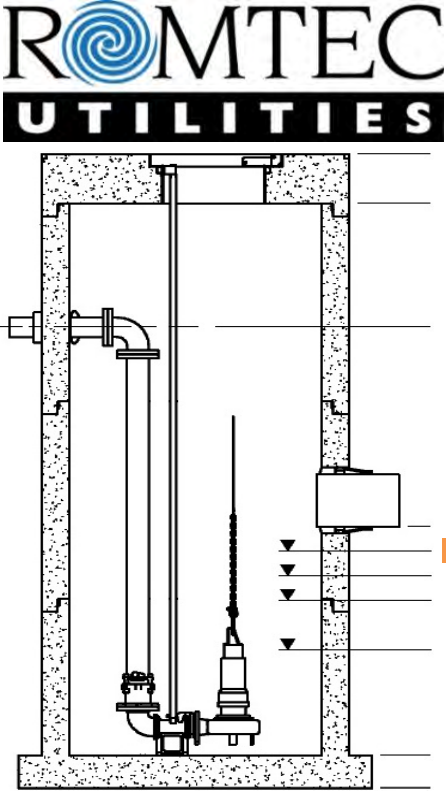
Influent Invert:	21.88	21.46	22.28
Influent Size:	6"	8"	8"
Type:			



Note: Image is a preliminary representation of the pumping system. Elevations shown are the primary factors used for sizing the wet well. Backup levels not shown. Additional (or fewer) level settings may be required.

PROJECT INFO Job Name: Rainwater Lift Station A Company: _____ Contact: _____ Job Type: New Station Water Type: Stormwater	PACKAGE/STARTUP Offering: Complete System Mechanical: _____ Pumps: _____ Control Panel: _____ Startup: _____																																				
WET WELL SUMMARY Material: Concrete Diameter: 6 Feet Barrels: 10 Feet Inside Height: 12.73 Feet Storage Depth: 0.00 Feet Disch. Piping Size: 6" Disch. Piping Type: Ductile Iron Disch. Piping Style: Checks w/ Valve Cans Lining: Unlined	<table border="1" style="margin: auto;"> <tr> <td>CURRENT REVISION</td> <td>4/30/19</td> <td>5</td> </tr> </table>	CURRENT REVISION	4/30/19	5																																	
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WET WELL TOP Traffic Rating: H-20 Occasional Hatch Options: N/A Vent Options: Vent (Cast in top slab)																																					
WET WELL BASE Base: RU Designed (w/ square uplift) Lining: No Lining		RIM: 24.58 FG: 24.00 DISCH CL: 19.83																																			
CRANE Crane: N/A Base/Winch: Socket		INFLUENT: 18.20 HIGH LEVEL: 18.60 LAG START: 18.10 LEAD START: 17.60 LEAD STOP: 13.85																																			
FORCE MAIN ID/Length: 8" 2080 Type/Rating: HDPE DR17(IPS) & DR11 FM High Point: 52.00		SUMP: 10.85 BASE: 9.85																																			
DUTY POINT Pumping Rate: 500 GPM (Single Pump) Static Head: 38.15 Feet TDH: 91.0 Feet																																					
PRIMARY PUMPS Duplex Configuration Manufacturer: Ebara Model: 100DLMFU618 Impeller Model/Dia: 11.69 Trim: Yes Motor HP: 25 HP Expl. Proof: No Voltage/Phase: 460V / 3-Phase Cable Length: 75 Mix Flush Valve: N/A	SENSOR AND ELEVATION TABLE <table border="1" style="margin: auto;"> <thead> <tr> <th>Elevation</th> <th>Distance</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>18.20</td> <td></td> <td>Invert In</td> </tr> <tr> <td></td> <td>0.00</td> <td>Sensor Spacing</td> </tr> <tr> <td>18.60</td> <td></td> <td>HL Alarm</td> </tr> <tr> <td></td> <td>0.50</td> <td>Sensor Spacing</td> </tr> <tr> <td>18.10</td> <td></td> <td>Lag Start</td> </tr> <tr> <td></td> <td>0.50</td> <td>Sensor Spacing</td> </tr> <tr> <td>17.60</td> <td></td> <td>Lead Start</td> </tr> <tr> <td></td> <td>3.75</td> <td>Sensor Spacing</td> </tr> <tr> <td>13.85</td> <td></td> <td>Pump Stop</td> </tr> <tr> <td></td> <td>3.00</td> <td>Sensor Spacing</td> </tr> <tr> <td>10.85</td> <td></td> <td>Sump Floor</td> </tr> </tbody> </table>	Elevation	Distance	Description	18.20		Invert In		0.00	Sensor Spacing	18.60		HL Alarm		0.50	Sensor Spacing	18.10		Lag Start		0.50	Sensor Spacing	17.60		Lead Start		3.75	Sensor Spacing	13.85		Pump Stop		3.00	Sensor Spacing	10.85		Sump Floor
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JOCKEY PUMP Manufacturer: N/A Model: 0 Impeller Model/Dia: 0 Trim: 0 Motor HP: 0 Expl. Proof: 0 Voltage/Phase: 0 Cable Length: 0 Mix Flush Valve: 0																																					
VALVE VAULT Valve Size: 6" N/A Hatch: 0 Pressure Gauge: 0 Check Options: Plain Shut Off Options: Plug Geared Op Nut Options: 0 Options: 0 Options: 0	METER VAULT Valve Size: N/A 0 Hatch: 0 Pressure Gauge: 0 Shut Off Options: 0 0 Options: 0 Options: 0 Options: 0 Flow Meter: 0																																				
CONTROL PANEL Power: 480V / 3-Phase Contoller: Alternator Primary Sensor: 4 Floats Secondary Sensor: N/A Enclosure: NEMA 4 Pump/Sense Wiring: Direct Options: Autodialer Options: Alarm Beacon	GENERATOR Model: N/A Enclosure: 0 Transfer Switch: 0 Options: 0 Options: 0																																				
	CONTROL BUILDING Type: N/A Size: 0																																				

PROJECT INFO		PACKAGE/STARTUP	
Job Name:	Rainwater Lift Station B	Offering:	Complete System
Company:		Mechanical:	
Contact:		Pumps:	
Job Type:	New Station	Control Panel:	
Water Type:	Stormwater	Startup:	

WET WELL SUMMARY		CURRENT REVISION 4/18/19 5	
Material:	Concrete		
Diameter:	6 Feet		
Barrels:	11 Feet		
Inside Height:	13.73 Feet		
Storage Depth:	0.00 Feet		
Disch. Piping Size:	6"		
Disch. Piping Type:	Ductile Iron		
Disch. Piping Style:	Checks w/ Valve Cans		
Lining:	Unlined		
WET WELL TOP			
Traffic Rating:	H-20 Occasional	FG:	31.16
Hatch Options:	N/A		
Vent Options:	Vent (Cast in top slab)		
WET WELL BASE		DISCH CL:	23.71
Base:	RU Designed (w/ square uplift)		
Lining:	No Lining		

CRANE	
Crane:	N/A
Base/Winch:	Socket

FORCE MAIN	
ID/Length:	8" 1100
Type/Rating:	HDPE DR11(IPS) 6.963" ID
FM High Point:	52.00

DUTY POINT	
Pumping Rate:	500 GPM (Total)
Static Head:	32.57 Feet
TDH:	38.5 Feet

PRIMARY PUMPS	
Duplex Configuration	
Manufacturer:	Ebara
Model:	100DLMFU615
Impeller Model/Dia:	11.14 Trim: Yes
Motor HP:	20 HP Expl. Proof: No
Voltage/Phase:	460V / 3-Phase
Cable Length:	75
Mix Flush Valve:	N/A

JOCKEY PUMP	
Manufacturer:	N/A
Model:	0
Impeller Model/Dia:	0 Trim: 0
Motor HP:	0 Expl. Proof: 0
Voltage/Phase:	0
Cable Length:	0
Mix Flush Valve:	0

VALVE VAULT	
Valve Size:	6" N/A
Hatch:	0
Pressure Gauge:	0
Check Options:	Plain
Shut Off Options:	Plug Geared Op Nut
Options:	0
Options:	0
Options:	0

METER VAULT	
Valve Size:	N/A 0
Hatch:	0
Pressure Gauge:	0
Shut Off Options:	0 0
Options:	0
Options:	0
Options:	0
Flow Meter:	0

CONTROL PANEL	
Power:	480V / 3-Phase
Controller:	Alternator
Primary Sensor:	4 Floats
Secondary Sensor:	N/A
Enclosure:	NEMA 4
Pump/Sense Wiring:	Direct
Options:	Autodialer
Options:	Alarm Beacon

GENERATOR	
Model:	N/A
Enclosure:	0
Transfer Switch:	0
Options:	0
Options:	0
CONTROL BUILDING	
Type:	N/A
Size:	0