

PROJECT INFO				PACKAGE/STARTUP	
Job Name:	VILLAGE AT 47th	Offering:	Complete System		
Company:		Mechanical:	All by Romtec Utilities		
Contact:		Pumps:	By Romtec Utilities		
Job Type:	New Station	Control Panel:	By Romtec Utilities		
Water Type/Source:	Wastewater (Sewage)	Generator:			
Import/Domestic:	Import Acceptable	Advisor/Startup:			
		Turnkey:	No		

DESIGN CRITERIA - WWC8D-VM-D0050-200x40-4D-21-00G					
FLOW RATE					
Peak Inflow:	194.8	GPM			
Pumping Rate:	194.8	GPM (of single pump)			
Static Head:	27.0	Feet			
TDH:	42.0	Feet			
TDH Calcs:	RU Calcs				
ACTIVE VOLUME					
Max Pump Starts:	7.00	Starts/Hr			
Cycle Time:	8.57	Minutes			
Active Volume:	417.43	Gallons			
Active Volume:	55.80	Cu Feet			
Well Shape:	Round				
Well Diameter:	8	Feet			
Cross-Section Area:	50.27	Sq Feet			
Min. Depth Required:	1.11	Feet			
Active Depth:	1.20	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:	240V / 1-Phase				
FORCE MAIN					
FM Info:	New				
Length:	460	Feet			
FM Discharge:	99.08	Feet			
FM High Point:	99.08	Feet			
	(1)	(2)	(3)		
Nominal ID:	4"				
Type/Rating:	DI CL52				
INFLUENT PIPING					
Influent Invert:	74.9				
Influent Size:	10"				
Type:	PVC (DIPS)				

RIM:	79.98
FINISH GRADE:	79.98
DISCHARGE C.L.:	75.50
INVERT:	74.90
HIGH LEVEL:	74.31
LAG START:	73.81
LEAD START:	73.31
PUMP STOP:	72.11
SUMP:	69.48
BASE:	68.48

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.

VARIABLE FREQUENCY DRIVES USED FOR PHASE CONVERSION