



6/1/2010

Draft for Consideration

**KELLY & CLOSE ENGINEERS**  
CONSULTING ENGINEERS & SURVEYORS

Brandywine Summit, Building II, Suite 300  
1786 Wilmington West Chester Pike  
Glen Mills, PA 19063  
610-358-9363(P), 610-358-9376 (F)

	FLOW (GPD)	PROJECT COST
<i>NATIONAL DEVELOPERS REALTY</i>	250,000.00	
<i>FLORIDA PARK LPSS</i>	21,000.00	
<i>BUSINESS CAMPUS</i>	26,000.00	
<i>HUNTER'S RUN</i>	19,950.00	
<i>PUMP STATION on WEST CHESTER PIKE</i>		
<i>FM from WEST CHESTER PIKE to GRAVITY LINES CAMPUS BLVD</i>		
<i>GRAVITY to SPRINGTON POINTE</i>		
<i>PUMP STATION SPRINGTON POINTE</i>		
<i>FM to CDCA MH</i>		
<i>MELMARK</i>	25,000.00	
<i>HUNT VALLEY (Lo-Pressure)</i>	7,875.00	
<i>ECHO VALLEY (Lo-Pressure)</i>	54,337.50	
<i>EPISCOPAL ACADEMY</i>	11,000.00	
<i>ASHFORD DEVELOPMENT</i>	115,000.00	
<i>ASHFORD PUMP STATION @ Ashford (to service Ashford, Episcopal, Melmark, Echo Valley &amp; Hunt Valley Area)</i>		
<i>ASHFORD FM to BPG GRAVITY LINE</i>		
<i>BPG PUMP STATION</i>	267,000.00	
<i>BPG FM to CDCA MH</i>		
<b>Totals</b>	797,162.50	10,971,591.90



10% Contingency	\$1,097,159.19
5% Bond Counsel, Legal, Easement Acquisition	\$548,579.60
5% Inspections	\$548,579.60
8% Filed Survey	\$877,727.35
8% Engineering Design	\$877,727.35

**Total Project Cost \$14,921,364.98**

CDCA Survey, Engineering, Legal Administration	\$1,000,000.00
CDCA Buy In	\$606,565.00
CDCA Cash Reserves	\$157,976.00
CDCA Capitol Program Costs	\$968,002.89
CDCA Expansion or Enlargement Costs	\$3,904,924.32
Additional Capacity CDCA	\$603,611.56

**Total Project Costs \$22,162,444.75**

**Assumptions & Notes:**

1. LPSS costs \$70/L.F., Force Main costs \$100/L.F., and Gravity main costs \$125/L.F.
2. The costs associate with Individual Residential Pumps is not included in the estimates. privately funded and constructed.
3. Internal sewer networks of developers not included in cost estimates.