



Thomas L. Knight, P.E.
Professional Association

Planning, Design, Permitting, Inspection

November 4, 2015

Ken Comia
City of Groveland
156 S. Lake Avenue
Groveland, Florida 34736

Re: Cypress Oaks, Phase 1 – Maintenance and Performance Bonds
Application No. 2015-65

Dear Ken:

Please refer to the attached Construction Cost Estimate for Cypress Oaks, Phase 1, Maintenance Bond & Performance Bond dated 10/31/2015. This is a complete breakdown of the total construction cost estimate, the construction cost estimate of competed work and the construction cost estimate of the remaining work as of October 31, 2015.

The estimated construction cost of the completed work is \$1,770,581.04. The amount of the first maintenance bond is 20% of this value or \$354,116.21.

The estimate construction cost of the remaining work is \$274,229.23. The amount of the performance bond is 110% of this value or \$301,651.05. The amount of the second maintenance bond is 20% of this value or \$54,845.65.

Should you have any questions or need additional information, please do not hesitate to contact me at (352) 267-4516 or tknight@knighteng.com.

Sincerely,


Thomas L. Knight, P.E.
President

Cc: Ben Snyder
Rick Perkinson

CONSTRUCTION COST ESTIMATE
FOR
CYPRESS OAKS, PHASE 1
MAINTENANCE BOND
&
PERFORMANCE BOND
10/31/2015

<i>Description</i>	<i>Total</i>	<i>Completed</i>	<i>Balance</i>
SITE WORK			
Mobilization	3,500.00	3,150.00	350.00
Survey - Construction Layout and As-Builts	17,500.00	14,000.00	3,500.00
Erosion Control / Dust Abatement / NPDES	5,000.00	4,500.00	500.00
Silt Fence	13,500.00	13,500.00	0.00
Clear and Grub	44,200.00	44,200.00	0.00
Earthwork (R/W, Ponds and Open Space)	113,015.25	113,015.25	0.00
Earthwork (Lots)	74,740.50	67,266.45	7,474.05
Final Grading (R/W, Ponds and Open Space)	37,775.00	33,997.50	3,777.50
Final Grading (Lots)	16,200.00	14,580.00	1,620.00
Saw-Cut and Remove Existing Trail Section	2,500.00	2,500.00	0.00
Seed and Mulch (Ponds and Flood Comp)	4,775.40	0.00	4,775.40
Seed and Mulch (Lots)	24,850.00	0.00	24,850.00
Sodding (R/W, Ponds, Open Space and Sewer)	60,603.20	21,211.12	39,392.08
Sodding (Lot Slopes)	6,979.20	0.00	6,979.20
Retaining Wall w/Safety Railing	75,200.00	67,680.00	7,520.00
Entrance Sign Walls w/Electrical & Lighting	50,755.00	22,740.00	28,015.00
Landscaping & Irrigation	131,885.00	0.00	131,885.00
6' PVC Fence	13,590.00	0.00	13,590.00
Testing	30,550.00	30,550.00	0.00
SITE WORK SUBTOTAL	727,118.55	452,890.32	274,228.23
SANITARY SEWER			
8" PVC Pipe 0-6' Cut (SDR35)	19,350.00	19,350.00	0.00
8" PVC Pipe 6'-8' Cut (SDR35)	17,077.50	17,077.50	0.00
10" PVC Pipe 0-6' Cut (SDR35)	40,622.75	40,622.75	0.00
10" PVC Pipe 6'-8' Cut (SDR35)	10,899.72	10,899.72	0.00
10" PVC Pipe 8'-10' Cut (SDR35)	3,048.57	3,048.57	0.00
10" PVC Pipe 10'-12' Cut (SDR35)	2,647.30	2,647.30	0.00
10" PVC Pipe 12'-14' Cut (SDR35)	2,114.25	2,114.25	0.00
10" PVC Pipe 8'-10' Cut (SDR26)	766.13	766.13	0.00
10" PVC Pipe 10'-12' Cut (SDR26)	3,986.50	3,986.50	0.00
10" PVC Pipe 12'-14' Cut (SDR26)	4,590.00	4,590.00	0.00
Standard Manhole 0-6' Cut	21,600.00	21,600.00	0.00
Standard Manhole 6'-8' Cut	28,050.00	28,050.00	0.00
Standard Manhole 8'-10' Cut	3,200.00	3,200.00	0.00
Standard Manhole 10'-12' Cut	9,750.00	9,750.00	0.00
Standard Manhole 12'-14' Cut	3,500.00	3,500.00	0.00
Standard Manhole 6'-8' Cut (fiberglass lined)	5,500.00	5,500.00	0.00
Single Service	8,100.00	8,100.00	0.00
Double Service	33,600.00	33,600.00	0.00
Testing	15,000.00	15,000.00	0.00
SANITARY SEWER SUBTOTAL	233,402.72	233,402.72	0.00

STORM DRAINAGE			
18" RCP	89,760.00	89,760.00	0.00
24" RCP	21,775.00	21,775.00	0.00
30" RCP	16,019.00	16,019.00	0.00
Type 5 Curb Inlet	109,500.00	109,500.00	0.00
Type 6 Curb Inlet	24,900.00	24,900.00	0.00
Standard Manhole 4' Dia. (FDOT-P)	4,200.00	4,200.00	0.00
Type "C" Inlet	5,250.00	5,250.00	0.00
18" M.E.S. w/Dissipator Pad	3,600.00	3,600.00	0.00
24" M.E.S. w/Dissipator Pad	1,000.00	1,000.00	0.00
30" M.E.S. w/Dissipator Pad	1,100.00	1,100.00	0.00
Plug 18" Pipe	1,000.00	1,000.00	0.00
STORM DRAINAGE SUBTOTAL	278,104.00	278,104.00	0.00
POTABLE WATER SYSTEM			
8" SDR-11 HDPE	3,200.00	3,200.00	0.00
8" PVC Pipe C-900 (DR-18)	18,345.00	18,345.00	0.00
6" PVC Pipe C-900 (DR-18)	44,737.00	44,737.00	0.00
8" Gate Valve w/Box	12,150.00	12,150.00	0.00
6" Gate Valve w/Box	17,600.00	17,600.00	0.00
2" Blow-Off Assembly	1,200.00	1,200.00	0.00
Single Service	5,000.00	5,000.00	0.00
Double Service	34,300.00	34,300.00	0.00
Fire Hydrant (w/Valve)	31,500.00	31,500.00	0.00
Temporary Jumper Assembly	1,250.00	1,250.00	0.00
8" RPZ Backflow Preventor	7,500.00	7,500.00	0.00
MJ Fittings	10,000.00	10,000.00	0.00
Restraints	3,600.00	3,600.00	0.00
10" Wet Tap and Valve	5,000.00	5,000.00	0.00
Testing and Bactys	3,500.00	3,500.00	0.00
POTABLE WATER SUBTOTAL	198,882.00	198,882.00	0.00
RECLAIMED WATER SYSTEM			
8" PVC Pipe C-900 (DR-18)	18,060.00	18,060.00	0.00
6" PVC Pipe C-900 (DR-18)	41,723.00	41,723.00	0.00
8" Gate Valve w/Box	12,150.00	12,150.00	0.00
6" Gate Valve w/Box	17,600.00	17,600.00	0.00
2" Blow Off Valve Assembly	1,200.00	1,200.00	0.00
Single Service	6,000.00	6,000.00	0.00
Double Service	33,600.00	33,600.00	0.00
MJ Fittings	18,500.00	18,500.00	0.00
Testing	1,500.00	1,500.00	0.00
RECLAIMED WATER SUBTOTAL	150,333.00	150,333.00	0.00
PAVING (ON-SITE)			
12" Stabilized Sub-base	41,760.00	41,760.00	0.00
8" Limerock	124,416.00	124,416.00	0.00
1.5" Asphalt S-I	120,960.00	120,960.00	0.00
Prime and Sand	6,912.00	6,912.00	0.00
Type "F" Curb	25,420.00	25,420.00	0.00
Miami Curb	66,521.00	66,521.00	0.00
5' Sidewalk	34,080.00	34,080.00	0.00
Standard Dead-End Barricade	1,500.00	1,500.00	0.00
Concrete Driveway Aprons	9,750.00	9,750.00	0.00
Saw Cut and Remove Existing Roadway	1,200.00	1,200.00	0.00
Handicapped Ramps	15,200.00	15,200.00	0.00
Signage and Striping	9,250.00	9,250.00	0.00
PAVING (ON-SITE) SUBTOTAL	456,969.00	456,969.00	0.00

**CONSTRUCTION COST ESTIMATE FOR CYPRESS OAKS, PHASE 1
MAINTENANCE BOND & PERFORMANCE BOND**

10/31/2015

<i>Description</i>	<i>Total</i>	<i>Completed</i>	<i>Balance</i>
SITE WORK SUBTOTAL	727,118.55	452,890.32	274,228.23
SANITARY SEWER SUBTOTAL	233,402.72	233,402.72	0.00
STORM DRAINAGE SUBTOTAL	278,104.00	278,104.00	0.00
POTABLE WATER SUBTOTAL	198,882.00	198,882.00	0.00
RECLAIMED WATER SUBTOTAL	150,333.00	150,333.00	0.00
PAVING (ON-SITE) SUBTOTAL	456,969.00	456,969.00	0.00
PHASE 1 TOTAL	2,044,809.27	1,770,581.04	274,228.23

Total Estimated Construction Cost = \$2,044,809.27

Total Estimated Value of Work Completed = \$1,770,581.04

Maintenance Bond #1 Amount = \$1,770,581.04 x 0.20 (20%) = \$354,116.21

Total Estimated Value of Work Not Completed = \$274,228.23

Performance Bond Amount = \$274,228.23 x 1.10 (110%) = \$301,651.05

Maintenance Bond #2 Amount = \$274,228.23 x 0.20 (20%) = \$54,845.65