TOWN OF ACTON
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Planning Department

MEMORANDUM

To: Planning Board ***Date:*** January 22, 2007

From: Kristin K. Alexander, AICP, Assistant Planner KKA

Subject: **January 23, 2007 Consent Agenda Item II.D.**

Colonial Path Subdivision – Initial Bond

Vote to establish initial bond amount of $55,900 for Colonial Path Subdivision (off Sylvia Street in South Acton; Planning Board approved on 2/14/06). This bond would replace the restrictive covenant as performance guarantee. Once the bond is posted, Roland Bartl will provide a release from the restrictive covenant, which will allow the Applicant to obtain building permits for houses in the subdivision. See attached Engineering Department bond calculation.

TOWN OF ACTON ENGINEERING DEPARTMENT
Street Name: Colonial Path
Subdivision Road Bond Calculation

Date: **1/22/2007**
Length: **484**

DESCRIPTION	QTY	UNIT	COST/UNIT	TOTAL COST
ITEM 1 - CLEARING				
A. CLEARING, GRUBBING & EXCAVATING TOP SOIL		AC.		$ -
B. HAULED FILL		C.Y.		$ -
C. EXCAVATION BELOW 26"		C.Y.		$ -
D. STUMP DISPOSAL		L.S.		$ -
		SUBTOTAL CLEARING (ITEM 1)		**$ -**
ITEM 2 - WATER				
A. F & I - 6" WATER MAIN		L.F.		$ -
B. F & I - 8" WATER MAIN		L.F.		$ -
C. F & I - 12" WATER MAIN		L.F.		$ -
D. F & I - TEMP. & FINAL PAVEMENT PATCHES		S.Y.		$ -
E. TAPPING, SLEAVE & GATE VALVE		EACH		$ -
F. HOUSE SERVICE CONNECTIONS		EACH		$ -
G. HYDRANTS, INCL. VALVES & FITTINGS		EACH		$ -
H. DIRECTIONAL DRILLING ON CARLISLE ROAD UNDER NASHOBA BROOK		L.F.		$ -
I. WATER DISTRICT ESTIMATE (to complete)		L.S.		$ -
		SUBTOTAL WATER (ITEM 2)		**$ -**
ITEM 3 - DRAINAGE				
A. C.B. - Raise & Mortar Frame & grate, clean sump	4	EACH	$ 300.00	$ 1,200.00
B. C.B. - F& I Frame & Grate, clean sump	1	EACH	$ 600.00	$ 600.00
C. D.M.H. - Raise & Mortar FRAME & COVER	3	EACH	$ 300.00	$ 900.00
D. F & I - GAS/OIL HOOD	4	EACH	$ 500.00	$ 2,000.00
E. F&I - Drop Inlet	1	EACH	$ 500.00	$ 500.00
F. F & I - 12" ADS Pipe		L.F.		$ -
G. F & I - 8" ADS Pipe		EACH		$ -
H. F & I - 10" ADS Pipe		EACH		$ -
I. F & I - ADS FLARED END	1	EACH	$ 200.00	$ 200.00
J. F & I - DIVERSION D.M.H.		L.F.		$ -
K. F & I - OUTLET STRUTURES		EACH		$ -
L. OUTLET STRUCTURE - F & I Frame & Grate	1	EACH	$ 500.00	$ 500.00
M. F & I - 15" R.C.P.		L.F.		$ -
N. F & I - 18" R.C.P.		L.F.		$ -
O. F & I - 24" R.C.P.		L.F.		$ -
P. F & I - 30" R.C.P.		L.F.		$ -
Q. Detention Chambers - final repairs/cleaning	1	L.S.	$ 500.00	$ 500.00
R. RIP RAP Sediment Trap	1	EACH	$ 500.00	$ 500.00
S. SUBDRAIN W/PIPE		L.F.		$ -
T. F & I - LEACH PITS & STONE		EACH		$ -
U. RIP-RAP at OUTFALLS	1	L.S.	$ 350.00	$ 350.00
V. F&I - Detention Basin	1	EACH	$ 2,000.00	$ 2,000.00
W. CONTROL OUTLET MANHOLE		EACH		$ -
X. RETAINING WALL - DET/RET BASIN #2		C.Y.		$ -
		SUBTOTAL DRAINAGE (ITEM 3)		**$ 9,250.00**

ITEM 4 - SURFACE

A. F & I - 12" GRAVEL SUB-BASE	C.Y.	$	31.00	$	-
B. F & I - 6" PROCESSED GRAVEL	170 C.Y.	$	35.00	$	5,950.00
C. FINE GRADE for PAVING	250 L.F.	$	9.00	$	2,250.00
D. 2" TYPE I BITUMINOUS CONC. - Binder	90 TON	$	47.00	$	4,230.00
E. 1.5" TYPE I BITUMINOUS CONC. - Top	100 TON	$	48.00	$	4,800.00
F. BITUMINOUS CONCRETE BERM	L.F.			$	-
G. BINDER - Sweep, Patch, Tack Coat	1 L.S.	$	2,000.00	$	2,000.00
H. WHEEL CHAIR RAMPS-AAB COMPLIANCE	EACH			$	-
I. SLOPED GRANITE EDGING	L.F.			$	-
	SUBTOTAL SURFACE (ITEM 4)			**$**	**19,230.00**

ITEM 5 - SHOULDERS

A. SHAPE SHOULDER & SUBGRADE	484 L.F.	$	1.00	$	484.00
B. F & I - 6" LOAM for SHOULDERS	484 L.F.	$	2.00	$	968.00
C. FINE GRADE, FERTILIZE & SEED SHOULDERS	484 L.F.	$	1.00	$	484.00
D. SHAPE, LOAM, & SEED SLOPES	S.Y.			$	-
E. F & I - TREES	4 EACH	$	400.00	$	1,600.00
F. EROSION CONTROL	1 L.S.	$	1,000.00	$	1,000.00
G. F & I - SHRUBS	EACH			$	-
H. CONTINGENCY TREE PLANTING	L.S.			$	-
	SUBTOTAL SHOULDERS (ITEM 5)			**$**	**4,536.00**

ITEM 6 - ENGINEERING

A. F & I - ROAD BOUNDS, incl. LAYOUT & CERTIFICATION	13 EACH	$	350.00	$	4,550.00
B. F & I - COMMON LAND BOUNDS, incl. LAYOUT & CERTIFICATION	EACH			$	-
C. F & I - MAG NAILS, INCL. LAYOUT & CERTIFICATION	EACH			$	-
D. PREPARE "AS-BUILT" PLAN & LETTER CERTIFYING WORK	1 L.S.	$	3,000.00	$	3,000.00
E. ROAD LAYOUT with GRADES	4 EACH	$	500.00	$	2,000.00
F. LEGAL DESCRIPTION, WARRANT ARTICLE & PROPOSED DEED	L.S.			$	-
	SUBTOTAL ENGINEERING (ITEM 6)			**$**	**9,550.00**

ITEM 7 - MISCELLANEOUS

A. FIRE ALARM SYSTEM - PEDESTAL & BOX	L.S.			$	-
B. F & I - FIRE ALARM SYSTEM WIRE	L.F.			$	-
C. F & I - ROAD SIGN, incl. POLE & PRIV WY PLATE	1 EACH	$	250.00	$	250.00
D. CARLISLE RD - INTERSECTION IMPROVEMENTS	L.S.			$	-
E. PAVEMENT MARKINGS - 4 CROSSWALKS	L.S.			$	-
F. STOP SIGN & LINE	EACH			$	-
I. SPLIT RAIL FENCE - COMMON LAND	L.F.			$	-
J. RECREATION AREA	L.S.			$	-
K. STONE DUST TRAIL	L.S.			$	-
L. SIDEWALK: Carlisle Road	L.F.			$	-
M. Sylvia Street Extension	1 L.S.	$	8,000.00	$	8,000.00
N. TRAILHEAD PARKING	SPACE			$	-
	SUBTOTAL MISC. (ITEM 7)			**$**	**8,250.00**

SUBTOTAL	$	50,816.00
PLUS 10% CONTINGENCY	$	5,081.60
GRAND TOTAL	$	55,897.60
PRICE PER FOOT	$	115.49
FINAL BOND AMOUNT SAY....	**$**	**55,900.00**