City of Alexandria, Virginia

MEMORANDUM TO INDUSTRY NO. 03-01

DATE: DECEMBER 24, 2003

TO: DEVELOPERS, ARCHITECTS, ENGINEERS & SURVEYORS

FROM: EMILY A. BAKER, P.E., DEPUTY DIRECTOR/ENGINEERING
TRANSPORTATION & ENVIRONMENTAL SERVICES

SUBJECT: PERFORMANCE BONDS FOR PUBLIC IMPROVEMENTS

The City of Alexandria is changing the way that Performance Bonds for public improvements are calculated for development plans in the City. In the past, City staff would calculate the bond amount once the review of the final site plan or plot plan was completed. In an effort to improve the process for the release of final plans at this stage, the City is requiring that the bond amount be calculated by the submitting engineer. The attached format shall be used to calculate and submit the bond estimate. The following steps shall be followed:

- The form must be sealed and signed by the professional engineer or licensed land surveyor who has sealed the plans.
- The unit costs used shall be the unit costs provided on the attached form, until such time as they are updated by the City.
- If items are used on the plans that are not covered on the attached form, those items shall be added to the form with an engineers estimate for the cost.
- The form shall be submitted with the second final plan submission to the City. If this is not included with the submission, the submission shall be deemed incomplete.

Once the form is submitted, it will be reviewed by T&ES staff. Comments on the bond estimate will be submitted to the applicant along with the final site plan comments. Subsequent submissions shall include a red-lined copy of the bond estimate addressing staff comments on the bond form as well as any changes as a result of the site plan comments. Once the bond estimate is approved, the applicant shall submit the Performance & Payment Bond form and the Standard Agreement for Installation of Public Improvements along with all fees and insurance certificates.

This process will be in effect for all site plans submitting a Final #1 after January 9, 2004. If you have any questions about the form or the process, please contact me or Geoff Byrd, Site Plan Coordinator, at (703)838-4327.

Attachment

cc: Richard J. Baier, P.E., Director, Transportation & Environmental Services
Geoff Byrd, Site Plan Coordinator
Eileen Fogerty , Director, Planning & Zoning
Jeffery Farner, Division Chief, Planning & Zoning

CITY OF ALEXANDRIA, VIRGINIA
TRANSPORTATION and ENVIRONMENTAL SERVICES

PERFORMANCE BOND for COST of PUBLIC IMPROVEMENTS

AN ESTIMATE OF THE COST OF PUBLIC IMPROVEMENTS REQUIRED BY THE CITY IN CONNECTION WITH APPROVAL OF THE [ ] SITE PLAN, [ ] PLOT PLAN, [ ] SUBDIVISION NAMED BELOW:

Name of Site Plan/Plot Plan/Subdivision:_____

Developer/Owner:_____
Address:_____
_____

PLAN PREPARED BY: **SIGNATURE & SEAL**
(must be signed and sealed)

Name: _____ Date: _____

Address: _____
_____

Phone/Fax: _____

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PUBLIC IMPROVEMENTS

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ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
Grading		Cu.Yd.	$10.00	
Curb and Gutter (CSCG-1)		L.F.	$16.00	
Street Paving		Sq. Yd.	$30.00	
Alley Paving		Sq. Yd.	$30.00	
Driveway Aprons (CSES-1A)		Each	$1,500.00	
Sidewalk-concrete (CSSW-1)		Sq. Yd.	$19.00	
Sidewalk-brick		Sq. Yd.	$50.00	
Sanitary Sewer (10") < 8' depth		L.F.	$120.00	
Additional Costs >8' depth		L.F.	$10.00	
Sanitary Manhole		Each	$5,000.00	
Storm Sewer (15") < 8' depth		L.F.	$90.00	
Storm Sewer (18")		L.F.	$100.00	
Storm Sewer (24")		L.F.	$135.00	
Storm Sewer (30")		L.F.	$150.00	
Storm Sewer Manhole		Each	$5,000.00	
Catch Basin		Each	$2,500.00	
Yard Inlet		Each	$2,500.00	
Additional Inlets		Each	$1,400.00	
Endwall/Headwall (<36")		Each	$2,500	
BMP Facility		Ac.	$20,000.00	
Fire Hydrant		Each	$3,300.00	
Street Lights		Each	$3,500.00	
Site Lights-Pole		Each	$1,000.00	
Site Lights-Wall		Each	$700.00	
SubTotal				

PERFORMANCE BOND
for
COST OF PUBLIC IMPROVEMENTS

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PUBLIC IMPROVEMENTS (Cont) TRAFFIC CONTROLS

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ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
Pedestrian Crosswalk		Sq. Yd.	$132.00	
Pedestrian Signals		Pair	$2,000.00	
Signalized Intersection		Each	$90,000.00	
Speed Table		Sq. Yd.	$132.00	
Speed Cushion		Each	$4,000.00	
Street Name Sign (lighted)		Each	$1,000.00	
Traffic Control Sign		Each	$50.00	
Other Traffic Items:				
SubTotal				

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PUBLIC IMPROVEMENTS (Cont) UNDERGROUND UTILITIES

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ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
Utility Undergrounding		L.F.	$1,000 *	

* or submit utility company cost estimates.

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EROSION and SEDIMENT CONTROL

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ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
Inlet Protection		Each	$200.00	
Silt Fence/Straw Bale Barrier		L.F.	$3.00	
Sediment Trap		Each	$900.00	
Silt Dam		Each	$4,200.00	
Rip-Rap		Cu.Yd.	$45.00	
Diversion Dike		L.F.	$6.00	
Check Dam		Each	$200.00	
Temporary Seeding		Sq. Yd.	$1.00	
Permanent Seeding		Sq. Yd.	$2.00	
Sodding		Sq. Yd.	$6.00	
Construction Entrance		Each	$1,700.00	

Total amount of Erosion & Sediment Control estimate to nearest dollar $

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LANDSCAPING

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ITEM	QUANTITY	UNIT	UNIT COST	TOTAL
DECIDUOUS TREES				
3" Cal.		Each	$250.00	
4" Cal.		Each	$400.00	
6" Cal.		Each	$700.00	
6'-8' Height		Each	$175.00	
8'-12' Height		Each	$350.00	
EVERGREEN TREES				
6'-8' Height		Each	$225.00	
8'-12' Height		Each	$400.00	
12'-16' Height		Each	$1,000.00	
SHRUBS				
12" -18" Height		Each	$25.00	
18" -24" Height		Each	$35.00	
24" -36" Height		Each	$50.00	
GROUND COVER				
Crownvetch		Sq. Yd.	$15.00	

Total amount of Landscape bond estimate to nearest dollar $

TOTAL AMOUNT OF PERFORMANCE BOND (to nearest dollar) $

ENGINEERING & INSPECTION FEE (% proportion of public improvements per Sec. 5-6-21)

Cost of sewer, curb and gutter and sidewalk	$	2.50%	$
Cost of paving	$	3%	$

TOTAL amount of inspection fee to nearest dollar $

SEWER TAP FEE:
(calculated per City Code Sec. 5-6-25.1)
# of single family, townhouse or unit of two-family dwelling
or
# of units multifamily dwelling
or
meter size for commercial dwelling

Total Fee