

EXHIBIT 'B'															
PROFESSIONAL ENGINEERING SERVICES FEE ESTIMATE															
FARMLAND - STORM WATER DESIGN FOR CENTRAL DETENTION BASIS & TWO SEDIMENT FOREBAYS															
FORMER FARMLAND INDUSTRIES PROPERTY															
BARTLETT & WEST PROJECT NO. 17586.011															
DATE: MAY 14th, 2013															
		Project	Lead	Project	CADD	Survey Crew	Survey	Total Dollars							
		Director	Designer	Engineer	Designer	Chief	Technician		Admin						
		\$50.40	\$43.20	\$32.90	\$30.50	\$32.00	\$20.00	\$24.70							
1.0 DIRECT LABOR															
STORM WATER & DETENTION BASIN DESIGN TASKS															
PRELIMINARY DESIGN PHASE (FIELD CHECK)															
1	Meet with city staff to determine project specific needs and general project desires. Also review and receive available information and plans. Project budget will be provided by City staff.							8	36	64	139	0	0	8	\$8,501.10
	1.1	Prepare agenda & review design criteria during meeting.													
	1.2	Prepare meeting minutes from meeting, if requested													
	1.3	City to provide project budget.													
2	Conduct one day of field reconnaissance to review on-site design constraints, other challenges or opportunities to enhance conceptual design ideas for new central detention basin.														
	2.1	Review recommended conceptual improvements as outlined in the draft Stormwater Technical Memo as written by CDM-Smith dated July 20, 2012													
	2.2	Identify if any additional topographic survey needs may be necessary and any other remaining on-site questions													
3	Bartlett & West will use existing Lidar topographic data as currently used during Master Planning phase for design.														
	3.1	Create usable topographic data map for central detention basin design and two sediment forebays as needed to complete design													
	3.2	Review existing geotechnical boring data as provided in previous reports on and around Farmland property													
	Note: No additional field topographic survey work or additional geotechnical data is intended to be obtained with this scope of work														
4	Bartlett & West will prepare a hydrologic and hydraulic analysis														
	4.1	Engineer will develop a HEC-HMS and HEC-RAS model of existing watersheed features and run a simulated model analysis													
	4.2	HEC-RAS models will simulate the proposed design configuration of the Central Detention Basin													
	4.3	HEC-HMS models will be used to estimate the peak flow rates for the 2 year, 10 year and 100 year storm volumes													
	4.4	Preliminary data will be provided to city staff for review and comment (6 copies maximum)													
5	Preliminary Design bid drawings														
	5.1	Detailed design drawings will be completed for review and comment to construct a central detention basin and two seidment forebays. Anticipated detailed drawings will include:													
	5.1a	Cover Sheet													
	5.1b	Quantities, General Notes and Bidding Information Sheet													
	5.1c	Overall Site Layout Sheet													
	5.1d	Multiple Grading Plan Sheets													
	5.1e	Multiple Basin Cross-section sheets													
	5.1f	Outlet Structure Details													
	5.1g	Drainage Channel Details													
	5.1h	Embankment Details													
	5.1i	Multiple Sediment Forebay Sheets													
	5.1j	Erosion Control Sheets													
	5.1k	Erosion Control Detail Sheets													
	5.1l	General Details Sheets													
	5.2	Submit electronic plans in pdf format to the City's ftp site.													

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5.1 Prepare and finalize unit quantities for the project.					\$50.40	\$43.20	\$32.90	\$30.50	\$32.00	\$20.00	\$24.70	
5.2 Prepare a cost estimate based on the unit quantities in Task 5.1 and recent bid tabs provided by the city. A 15% contingency will be included in the final and only cost estimate.												
6 Final Design bid drawings												
6.1 Detailed design drawings will be completed for review and comment to construct a central detention basin and two seident forebays. Anticipated detailed drawings will include:												
6.1a Cover Sheet												
6.1b Quantities, General Notes and Bidding Information Sheet												
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6.1j Erosion Control Sheets												
6.1k Erosion Control Detail Sheets												
6.1l General Details Sheets												
6.2 Submit electronic plans in pdf format to the City's ftp site.												
Subtotal Final Design Phase (Office Check)					8	36	52	96	0	0	4	\$6,696.00
GENERAL												
1 As noted per discussions, city staff will complete any Water Budgeting, Environmental Compliance or Permitting Assistance required for this project. These tasks not included in this contract include, but are not limited to Redevelopment, Transition and Remedial Action Plans, Corrective Action Decisions, Environmental Use Control Agreements or any plans or permits required by KDHE (Kansas Department of Health and Environment). Any and all items associated with these or other permitting or compliance issues are specifically excluded.					2	4	4	4			4	\$626.00
2 Erosion Control plans will be provided to city staff. The KDHE Notice of Intent (NOI) permitting and paperwork will be completed by city staff as required.												
3 No topographic survey or geotechnical services will be provided by the consultant, if necessary these services will be negotiated separately or handled by city staff.												
4 If bids exceed the estimated cost, the City may discuss, with the Consultant and the lowest bidder, ways to reduce the cost. This discussion will be accomplished at no additional cost.												
5 Consultant must notify the city of additional costs for service requested prior to performing the service. For example, if Consultant is asked to attend a meeting not included in the scope of service, the cost must be determined before attending.												
6 Written notes from any meetings with state, federal, or other agencies will be provided to the city by the Consultant. These need not be "formal minutes" but notes on discussion topics and requirements imposed. Monthly written progress reports for invoicing will only be provided upon request by city staff, if necessary.												
7 All documents must be provided in the current version of WordPerfect, or Microsoft Word, as designated by the city at the time of execution of this contract.												
8 All drawings must be prepared on standard 22" X 34" bond sheets. Also final plans, field notes, and other pertinent project mapping records are to be provided to the city on digital format.												
9 It is acknowledged that this set of plans is meant as a general H&H analysis with sediment forebays and general grading plans with erosion control sheets for use to obtain bids in doing necessary grading to construct a useable stormwater detention facility. This set of plans is not intended for highly detailed environmental construction compliance or other such items.												
Note: City will provide all construction phase services for this project.												
Note: The City will provide all bidding phase services for this project.												
Subtotal General					2	4	4	4	0	0	4	\$626.00
TOTAL DIRECT LABOR					18	76	120	239	0	0	16	\$15,823.10

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	\$50.40	\$43.20	\$32.90	\$30.50	\$32.00	\$20.00	\$24.70	
2.0 GENERAL OVERHEAD (TOTAL DIRECT LABOR X 2.00)								
GENERAL OVERHEAD (TOTAL DIRECT LABOR X 2.00)								\$31,646.20
3.0 DIRECT EXPENSES								
					Unit Rate	Per Unit	Quantity	Cost
GPS Equipment					\$25.00	Per Hour	0	\$0.00
Miscellaneous Surveying Supplies (Flagging, Iron Pins, PK Nails, Lathes, Hubs, Etc.)					1	L.S.	\$0.00	\$0.00
Mileage (Truck)					\$0.59	Per Mile	0	\$0.00
Mileage (Car)					\$0.55	Per Mile	200	\$110.00
CAD Expense					\$7.00	Per Hour	278	\$1,946.00
Inkjet Plots (Black & White) (22" X 34")					\$3.00	Per Sheet	100	\$300.00
Inkjet Plots (Mylar) (22" X 34")					\$15.00	Per Sheet	0	\$0.00
Reproduction Services (22" X 34")					\$1.00	Per Sheet	50	\$50.00
Copies					\$0.15	Per Sheet	250	\$37.50
TOTAL DIRECT EXPENSES								\$2,443.50
GRAND TOTAL (DIRECT LABOR + GENERAL OVERHEAD + DIRECT EXPENSES)								\$49,912.80