



Item: Professional Services Contract Amendment No. 1: South Great Falls Storm Drainage Improvements – O.F. 1554

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Approve Professional Services Contract Amendment No. 1

Suggested Motion:

1. Commissioner moves:

I move the City Commission approve the Professional Services Contract Amendment No. 1 between the City of Great Falls and DOWL HKM for engineering services for the South Great Falls Storm Drainage Improvements - O. F. 1554, for a fee not to exceed \$139,502.00 and authorize the City Manager to execute the Agreement."

2. Mayor calls for a second, discussion, public comment, and calls for the vote.

Staff Recommendation: Approve Professional Services Contract Amendment No. 1

Background:

Significant Impacts

City staff has negotiated an amendment (attached) to previously approved engineering services with DOWL HKM. The original contract scope included pre-design, preliminary design, final design and bidding support services for the construction of improvements to correct storm drainage problems within three separate drainage basins located along the southern edge of Great Falls generally from 20th Street South westward to the Missouri River. The Amendment includes additional design, plan and bid document preparation, construction staking, right-of-way negotiation and easement preparation services.

Workload Impacts

DOWL HKM has completed much of the original contract engineering services and will provide the additional engineering services identified in this Amendment. Most of the additional services will be completed this year with some of the construction staking and preparation of final bid documents and record drawings being completed on a time frame concurrent with the City's bidding and construction of future project phases. It is

anticipated that four additional phases will be bid and constructed over the next several years. City engineering staff will handle the construction management and inspection services for each of the project phases.

Purpose

The additional professional design services will complete critical segments of storm drainage pipe and regional stormwater ponds along the main drainage of three separate basins named North, Middle and South of the South Great Falls Drainage Master Plan Area. The Master Plan generally encompasses an area lying south of 17th Avenue South between 20th Street South and the Missouri River. The drainage improvements will collect stormwater runoff originating within the City and adjoining County areas and convey it downstream to new outfalls on the Missouri River. The improvements will correct current flooding problems, both inside and outside of the City, and lessen the chance of property damage.

Project Work Scope

Additional services included in this Amendment include 1) Construction staking of four anticipated future project phases, 2) preparation of record drawings for all project phases, 3) surveying and easement preparation and design for the segment of storm drain facilities lying with a 40 acre parcel of land owned by the Great Falls School District, 4) survey and design of lateral storm mains in the vicinity of the Multi Sports Complex near 9th Street South, 5) survey and design of lateral storm mains in the vicinity of 13th and 14th Street South near 21st Avenue South. Other services will include permitting, right-of-way negotiations with property owners and preparation of plans and bid documents.

Evaluation and Selection Process

DOWL HKM was selected on a rotational basis to provide the professional services in accordance with the City's Architect, Engineer and Surveyor Selection Policy and also for their ability to perform the work in an acceptable time frame.

Conclusion

City staff recommends approval of the Professional Services Contract Amendment No. 1 to DOWL HKM in the amount of \$139,502.00. The original contract amount approved on July 3, 2012 was \$288,300.00.

Fiscal Impact:

City storm drainage funding is programmed to fund the cost of the project.

Alternatives:

The City Commission could vote to deny the approval of the Professional Services Contract Amendment No. 1.

Attachments/Exhibits:

1. Professional Services Contract Amendment No. 1.

AMENDMENT NO. 1

AGREEMENT FOR ENGINEERING SERVICES

CITY OFFICE FILE 1554
SOUTH GREAT FALLS STORM DRAINAGE IMPROVEMENTS

This AMENDMENT made this ____ day of _____, 2014 by and between the CITY OF GREAT FALLS (OWNER), and DOWL HKM (ENGINEER) shall amend the Agreement for Engineering Services dated the 9th day of July, 2012 between the aforementioned parties, whereby the ENGINEER shall perform additional activities not authorized by the original contract. Services covered under this amendment pertain to design phase tasks provided by the ENGINEER to the City of Great Falls.

Amendments to sections of the original agreement are as follows:

SCOPE OF SERVICES:

See EXHIBIT A - SCOPE OF SERVICES

COMPENSATION by CLIENT to DOWL HKM:

Reimbursement shall be on a **Actual Cost basis**, with a not-to-exceed total of \$139,502 invoiced on an hourly basis no more often than monthly for services performed in the previous month in accordance with the rates set forth in EXHIBIT D. To be consistent with services actually rendered, DOWL HKM may alter the distribution of compensation between individual phases/tasks of the work noted herein, but total invoice amount shall not exceed the not-to-exceed total without CLIENT'S prior approval.

The following are hereby made a part of this Amendment by attachment:

Exhibit A - Scope of Services

Exhibit B – Project Schedule

Exhibit C – Project Location Maps (Figures 1-4)

Figure 1- Middle Basin-6th Street pond to North End School Property

Figure 2- North Basin- 24th Avenue

Figure 3- Middle Basin- Missouri River to 6th Street Pond

Figure 4- South Basin

Exhibit D – DOWL HKM – MONTANA FEE SCHEDULE (Effective October 8, 2013)

Exhibit E – Engineering Cost Summary

Exhibit F – Engineering Cost Itemization

WITNESSETH:

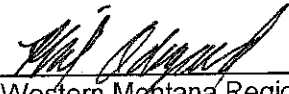
NOW, THEREFORE, THIS AMENDMENT WITNESSETH, that for and in consideration of the mutual covenants and promises between the parties hereto, it is hereby agreed that the ENGINEER shall furnish services and the OWNER shall make payment for same in accordance with the Amendment.

IN WITNESS WHEREOF, the parties hereto have made and executed this Amendment the day and year first above written.

OWNER
CITY OF GREAT FALLS

ENGINEER
DOWL HKM

City Manager – Gregory T. Doyon



Western Montana Regional Manager
Phil Odegard

ATTEST: City Clerk - Lisa Kunz



ATTEST:

APPROVED FOR LEGAL CONTENT:
City Attorney - Sara R. Sexe



DATE:

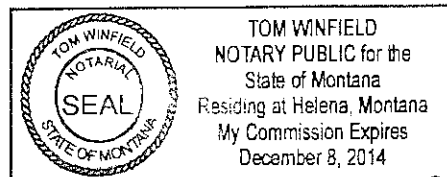




EXHIBIT A

SCOPE OF SERVICES

Additional Services of Engineer

Additional Construction Phase Survey Services

- Provide Construction Staking for the first phase of the project.
- Provide construction staking for all four remaining phases of the project. Construction staking shall consist of staking vertical/horizontal control for manholes, inlets, FETS, any structures or appurtenances and providing slope staking for the detention pond. The four remaining phases of the project are identified in Exhibit C.

Provide As-Built Drafting Services

- Provide As-Built drafting services for all four remaining phases of the project.

Additional Investigation and Design Services

- Additional Surveying, Preliminary Design and Preparation of the Easement for the acquisition through the School District property in Section 24, T20N, R3E.
- Survey and Final Design Services for storm drain located on 9th Street South between 21st Avenue South and 22nd Avenue South
- Survey and Final Design Services for storm drain located on 21st Avenue South and 14th Street South to the North of the 22nd Avenue North Detention Pond as shown in Exhibit C.
- Survey and Final Design Services for storm drain across the School District property in Section 24, T20N, R2E. The storm drain will start at the 6th Street Detention Pond and terminate at the north end of the School District property as shown on Exhibit C.

EXHIBIT B
South Great Falls Storm Drainage Improvements-- O.F. 1554
Amendment no. 1

<u>Work Item</u>	→	<u>Estimated Completion date</u>
Construction staking- First phase of project	→	Complete by June-2014
Construction staking-all 4 remaining phases	→	Dependent on construction schedule
As-Built drafting-all 4 remaining phases	→	Dependent on construction schedule
Survey and easement acquisition- School District parcel-Sec.24,T20N, R3E	→	Complete by June-2014
Survey & Design-storm drain-9th street south Between 21st and 22nd ave. south	→	Complete by June-2014
Survey & Design-storm drain-21st ave south & 14th street south to north of 22nd ave. south pond	→	Complete by June-2014
Survey & Design-Storm Drain - 6th Street Detention pond to North End of School District parcel	→	Complete by June-2014

EXHIBIT C
PROJECT LOCATION MAPS
FIGURE 1



MIDDLE BASIN - 6TH Street Pond to North End School Property

Survey and Easement Acquisition
Design, Construction staking and as-built drafting



1" = Approx. 630'

 **DOWL HKM**
106 1ST AVENUE SOUTH
GREAT FALLS, MT 59401
406-453-4085
406-453-4288 (FAX)
DOWLHKM.COM

EXHIBIT C
PROJECT LOCATION MAPS

FIGURE 2



NORTH BASIN – 24th Avenue

Construction staking and as-built drafting



1" = Approx. 210'

 **DOWL HKM**
106 1ST AVENUE SOUTH
GREAT FALLS, MT 59401
406-453-4085
406-453-4288 (FAX)
DOWLHKM.COM

EXHIBIT C
PROJECT LOCATION MAPS
FIGURE 3



MIDDLE BASIN- Missouri River to 6th Street Pond

Construction staking and as-built drafting



1" = Approx. 630'

 **DOWL HKM**
106 1ST AVENUE SOUTH
GREAT FALLS, MT 59401
406-453-4085
406-453-4288 (FAX)
DOWLHKM.COM

EXHIBIT C
PROJECT LOCATION MAPS
FIGURE 4



SOUTH BASIN

Construction staking and as-built drafting



1" = Approx. 210'

 **DOWL HKM**
106 1ST AVENUE SOUTH
GREAT FALLS, MT 59401
406-453-4085
406-453-4288 (FAX)
DOWLHKM.COM



MONTANA FEE SCHEDULE

Personnel Billing Rates

Senior Manager	\$185.00
Engineer VII	\$170.00
Engineer VI	\$155.00
Engineer V	\$145.00
Engineer IV	\$120.00
Engineer III	\$105.00
Engineer II	\$85.00
Engineer I	\$75.00
Engineering Technician IV*	\$100.00
Engineering Technician III *	\$85.00
Engineering Technician II *	\$75.00
Engineering Technician I *	\$55.00
Planner II*	\$85.00
Environmental Specialist II	\$85.00
Geologist II	\$105.00
Laboratory Supervisor	\$95.00
Laboratory Manager	\$95.00
Laboratory Technician *	\$60.00
Laboratory Technician – Supervisor *	\$65.00
Inspector *	\$90.00
Survey Manager	\$125.00
Professional Land Surveyor *	\$105.00
Project Surveyor*	\$90.00
Crew Chief *	\$75.00
Survey Technician *	\$60.00
Accounting Technician *	\$70.00
Marketing Assistant *	\$70.00
Administrative Assistant *	\$55.00

**Subject to overtime at 1.5 times above rates.*

Equipment, Materials, & Supplies

ATVs/Trailer	=	\$150.00/day		
Boat/Trailer	=	\$150.00/day		
		<u>DAY</u>	<u>WEEK</u>	<u>MONTH</u>
2 GPS Receivers (Survey Quality)		\$425.00	\$1,600.00	\$4,320.00
Single/Each Additional Receiver		\$250.00	\$800.00	\$2,700.00

Travel, Mileage, & Miscellaneous

Per diem will be billed after 6 hours in the field and when more than 50 miles from the office at ¼ rate for every 6 hours or portion of a quarter day greater than 3 hours. For the day of departure, the day begins at time of departure. For the day of return, the day ends when employee arrives at authorized point of destination (office, home, etc.).

Per diem (per person, per day Montana)	=	\$51.00/day
Lodging	=	cost per night
Airfare	=	cost
Vehicle Usage – Automobiles	=	0.75/mile
Vehicle Usage – Pickups, Suburban	=	1.00/mile
Printing/Supplies/Phone/Fax/Postage	=	Note 2
Specialized Software/Hardware	=	Note 3
Subcontractors	=	Cost + 10%
Laboratory Analysis	=	Cost + 10%
Other/Miscellaneous	=	Cost + 10%

Notes

1. DOWL HKM's Professional Fee Services Fee Schedule is subject to adjustment each year (May 1st) or at the end of a contract period, whichever is appropriate. Should adjustments be anticipated or required, such adjustments will not affect existing contracts without prior agreement between Customer and DOWL HKM.
2. Costs included in overhead rates for reasonable requests. Requests beyond those considered reasonable by the project manager billed at Cost + Agreed Upon Mark-up.
3. Specialized computer software or hardware necessary for a unique application for will be billed at a negotiated rate or unit cost.

EXHIBIT E

SOUTH GREAT FALLS STORM DRAINAGE IMPROVEMENTS
Amendment No. 1 ENGINEERING COST SUMMARY

SUMMARY

	<u>Work Item</u>	<u>ENGINEERING COST</u>
1 -	Construction staking- First phase of project	\$6,699.00
2 -	Construction staking-all 4 remaining phases	\$19,265.00
3 -	As-Built drafting-all 4 remaining phases	\$3,210.00
4 -	Survey and easement acquisition- School District parcel-Sec.24,T20N, R3E	\$5,000.00
5 -	Survey &Design-storm drain-9th street s. Between 21st and 22nd ave. s.	\$11,300.00
6 -	Survey &Design-storm drain-21st ave s. & 14th street s. to north of 22nd ave. s. pond	\$13,100.00
7 -	Survey & Design-Storm Drain - 6th Street Detention pond to North End of School District parcel	\$80,928.00
	TOTAL	\$139,502.00

EXHIBIT E

EXHIBIT F
Cost estimate - South Great Falls Storm drainage Improvements-
Construction staking: Phase 1

Task	Senior Project Manager (West)		Project Engineer (Arthur)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reap)		project surveyor		2-man gps survey crew		TOTAL LABOR Hours	TOTAL LABOR Cost	Per Diem	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$85	Total Cost	Hrs @ \$220	Total Cost							
I Project Administration																			
A. contract administration																			
B. Quality control / Assurance																			
Subtotal																			
II Permitting																			
A. permit preparation																			
B. attend public meetings																			
C.																			
Subtotal																			
III landowner negotiations																			
A. meetings with landowners																			
B. easement preparation																			
C. affidavits for deeds / easements																			
D.																			
Subtotal																			
IV Survey / Field work																			
A. Topographical survey																			
B. Boundary survey on easements																			
C. Pin easements																			
D.																			
Subtotal																			
V Design/Plan production																			
A. ddition																			
B. engineering design																			
C. tech specs																			
D. special provisions																			
E. cost estimator																			
Subtotal																			
VI bidding phase																			
A. misc assistance to city staff																			
B. attend one-bid conference																			
Subtotal																			
VII Construction phase																			
A. Construction staking																			
B.																			
C.																			
Subtotal																			
GRAND TOTAL																			

Reimbursable Expenses:
 Mileage @ \$1.00/mile
 Per diem @ \$51.00/day

EXHIBIT F
Cost estimate - South Great Falls Storm drainage improvements-
Construction staking - 4 remaining phases

Task	Senior Project Manager (West)		Project Engineer (Arthur)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		Project surveyor		2-man gps survey crew		TOTAL LABOR		Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$125	Total Cost	Hrs @ \$95	Total Cost	Hrs @ \$220	Total Cost	Hours	Cost				
I Project Administration																		
A. contract administration																		
B. Quality control / Assurance																		
Subtotal																		
II Permitting																		
A. permit preparation																		
B. attend public meetings																		
C.																		
Subtotal																		
III landowner negotiations																		
A. meetings with landowners																		
B. easement preparation																		
C. exhibits for deeds / easements																		
D.																		
Subtotal																		
IV Survey / Field work																		
A. Topographical survey																		
B. Boundary survey on easements																		
C. Pin easements																		
D.																		
Subtotal																		
V Design/Plan production																		
A. drafting																		
B. engineering design																		
C. tech spec																		
D. special provisions																		
E. cost estimate																		
Subtotal																		
VI bidding phase																		
A. misc assistance to City staff																		
B. attend pre-bid conference																		
Subtotal																		
VII Construction phase																		
A. Construction Survey																		
B.																		
C.																		
Subtotal																		
GRAND TOTAL																		

Reimbursable Expenses:
Mileage @ \$1.00/mile
Per diem @ \$51.00/day

EXHIBIT F
Cost estimate - South Great Falls Storm drainage improvements
As-Built Drafting 4 remaining phases

Task	Senior Project Manager (West)		Project Engineer (Arthur)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		CADD/Survey tech (Gold)		Admin (Poirack)		TOTAL LABOR Hours	TOTAL LABOR Cost	Per Diem	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES	
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$110	Total Cost	Hrs @ \$95	Total Cost	Hrs @ \$55	Total Cost								
I Project Administration																				
A. contract administration																				
B. Quality control / Assurance																				
Subtotal																				
II Permitting																				
A. permit preparation																				
B. attend public meetings																				
C.																				
Subtotal																				
III landowner negotiations																				
A. meetings with landowners																				
B. easement preparation																				
C. exhibits for deeds / easements																				
D.																				
Subtotal																				
IV Survey / Field work																				
A. Topographical survey																				
B. Boundary survey and easements																				
C. Pin easements																				
D.																				
Subtotal																				
V Design/Plan production																				
A. drafting																				
B. engineering design																				
C. tech specs																				
D. special provisions																				
E. cost estimate																				
Subtotal																				
VI bidding phase																				
A. misc assistance to City staff																				
B. attend pre-bid conference																				
Subtotal																				
VII Construction phase																				
A. Prepare As-Built Drawings			0.5	\$ 60						37.0	\$ 3,145									
B.																				
C.																				
Subtotal																				
GRAND TOTAL																				

Reimbursable Expenses:
Mileage @ \$1.00/mile
Per Diem @ \$51.00/day

EXHIBIT F
Cost estimates - South Great Falls Storm drainage Improvements-
Survey and easement acquisition- School District parcel- Sec 24, T20N, R3E

Task	Senior Project Manager (West)		Project Engineer (Autry)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		CADD/Survey tech (Gold)		Admin (Poiroux)		TOTAL LABOR Hours	TOTAL LABOR Cost	Per Diem	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$100	Total Cost	Hrs @ \$95	Total Cost	Hrs @ \$5	Total Cost							
I Project Administration																			
A. contract administration	1.0	\$ 145											1.0	\$ 145				\$ 145	\$ 145
B. Quality control/Assurance	0.5	\$ 73											0.5	\$ 73				\$ 73	\$ 73
Subtotal		\$ 218												\$ 218				\$ 218	\$ 218
II Permitting																			
A. permit preparation																			
B. attend public meetings	1.5	\$ 218											3.0	\$ 399				\$ 399	\$ 399
C.																			
Subtotal		\$ 218												\$ 399				\$ 399	\$ 399
III landowner negotiations																			
A. meetings with landowners	1.0	\$ 145											1.0	\$ 120				\$ 120	\$ 120
B. easement preparation	7.0	\$ 945											7.0	\$ 840				\$ 840	\$ 840
C. estimates for permits / easements	3.0	\$ 435											3.0	\$ 270				\$ 270	\$ 270
D.																			
Subtotal		\$ 745												\$ 1,230				\$ 1,230	\$ 1,230
IV Survey / Field work																			
A. Topographical survey																			
B. Boundary survey on easements																			
C. Pin assessments																			
D.																			
Subtotal		\$ 0												\$ 0				\$ 0	\$ 0
V Design/Plan production																			
A. drafting																			
B. engineering design																			
C. tech specs																			
D. special provisions																			
E. cost estimates																			
Subtotal		\$ 0												\$ 0				\$ 0	\$ 0
VI bidding phase																			
A. misc assistance to City staff																			
B. attend pre-bid conference																			
Subtotal		\$ 0												\$ 0				\$ 0	\$ 0
VII Construction phase																			
A. attend pre-con																			
B. submittal reviews																			
C.																			
Subtotal		\$ 0												\$ 0				\$ 0	\$ 0
GRAND TOTAL		\$ 580		\$ 1,740		\$ 840		\$ 1,050		\$ 340			\$ 4,880	\$ 4,880		\$ 180	\$ 180	\$ 340	\$ 5,000

Reimbursable Expenses:
Mileage @ \$1.00/mile
Per diem @ \$51.00/day

EXHIBIT F

**Cost estimate - South Great Falls Storm drainage Improvements -
Survey and Design - Storm Drain- 9th street's between 21st and 22nd ave s.**

Task	Senior Project Manager (West)		Project Engineer (Arthur)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		CADD/survey tech (Gold)		Admin (Polacek)		TOTAL LABOR	Per Diem	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$85	Total Cost	Hrs @ \$55	Total Cost						
I Project Administration																		
A. contract administration	2.0	\$ 290											2.0	\$ 290				\$ 290
B. quality control / assurance	5.0	\$ 725											5.0	\$ 725				\$ 725
Subtotal		\$ 1,015												\$ 1,015				\$ 1,015
II Permitting																		
A. permit preparation																		
B. attend public meetings																		
C.																		
Subtotal																		
III landowner negotiations																		
A. meetings with landowners																		
B. easement preparation																		
C. exhibits for deeds / easements																		
D.																		
Subtotal		\$ 0																\$ 0
IV Survey / Field work																		
A. Topographical survey	1.0	\$ 145	2.0	\$ 240			19.0	\$ 1,995					19.0	\$ 2,095		\$ 100	\$ 400	\$ 2,595
B. Boundary survey on easements																		
C. Pin easements																		
D.																		
Subtotal		\$ 145		\$ 240				\$ 1,995						\$ 2,095	\$ 100	\$ 400	\$ 500	\$ 2,595
V Design/Plan production																		
A. drafting			3.0	\$ 360			4.0	\$ 420	28.0	\$ 2,465			36.0	\$ 3,245				\$ 3,245
B. engineering design	0.5	\$ 73	25.0	\$ 3,050									28.5	\$ 3,153				\$ 3,153
C. fact sheets			2.0	\$ 240									3.0	\$ 285				\$ 285
D. special provisions																		
E. cost estimate			2.0	\$ 240									2.5	\$ 288				\$ 288
Subtotal		\$ 73		\$ 4,320				\$ 2,465		\$ 2,465				\$ 6,940				\$ 7,380
VI bidding phase																		
A. price assistance to city staff			2.0	\$ 240									2.0	\$ 240				\$ 240
B. attend pre-bid conference																		
Subtotal				\$ 240														\$ 240
VII Construction phase																		
A. attend pre-con																		
B. submittal reviews			1.0	\$ 120									1.0	\$ 120				\$ 120
C.																		
Subtotal				\$ 120														\$ 120
GRAND TOTAL		\$ 1,233		\$ 4,920				\$ 2,465		\$ 83			\$ 8,700		\$ 100	\$ 400	\$ 500	\$ 11,300

Reimbursable Expenses:
Mileage @ \$1.00/mile
Per Diem @ \$51.00/day

EXHIBIT F
Cost estimate - South Great Falls Storm drainage Improvements
Survey and Design-Storm Drain-21st ave. s. & 14th street s. to North of 22nd ave. s. Pond

Task	Senior Project Manager (West)		Project Engineer (Arthur)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		CADD/Survey tech (Gold)		Admin (Palace)		TOTAL LABOR - Hours	TOTAL LABOR - Cost	Per Dem	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$146	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$85	Total Cost	Hrs @ \$55	Total Cost							
I Project Administration																			
A. contract administration	2.0	\$ 290											2.0	\$ 290				\$ 290	\$ 290
B. Quality control / Assurance	6.0	\$ 870											6.0	\$ 870				\$ 870	\$ 1,160
Subtotal		\$ 1,160																	
II Permitting																			
A. permit preparation																			
B. attend public meetings																			
C.																			
Subtotal																			
III landowner negotiations																			
A. meetings with landowners																			
B. easement preparation																			
C. exhibits for deeds / easements																			
D.																			
Subtotal		\$ 0																	
IV Survey / Field work																			
A. Topographical survey	0.5	\$ 73	2.0	\$ 240			16.0	\$ 1,680					18.5	\$ 1,993		\$ 95	\$ 400	\$ 495	\$ 2,488
B. Boundary survey on easements																			
C. Pin placements																			
D.																			
Subtotal		\$ 73		\$ 240			\$ 1,680											\$ 400	\$ 2,488
V Design/Plan production																			
A. drafting			3.0	\$ 360					55.0	\$ 4,675			58.0	\$ 6,035					\$ 5,035
B. engineering design	1.5	\$ 213	30.0	\$ 3,600									31.5	\$ 3,818					\$ 3,818
C. tech specs			2.0	\$ 240									2.0	\$ 240					\$ 240
D. special provisions																			
E. cost estimate			3.0	\$ 360									3.0	\$ 360					\$ 360
Subtotal		\$ 213		\$ 4,560			\$ 4,675		\$ 4,675					\$ 6,453				\$ 400	\$ 9,453
VI Bidding phase																			
A. misc assistance to City staff																			
B. attend pre-bid conference																			
Subtotal																			
VII Construction phase																			
A. attend pre-con																			
B. submittal reviews																			
C.																			
Subtotal		\$ 0					\$ 0												\$ 0
GRAND TOTAL		\$ 1,450		\$ 4,800			\$ 1,680		\$ 4,675				\$ 12,803		\$ 95	\$ 400	\$ 495	\$ 13,100	\$ 13,100

Reimbursable Expenses:
 Mileage @ \$1.00/mile
 Per diem @ \$51.00/day

EXHIBIT F
Cost estimate - South Great Falls Storm drainage Improvements
Survey & Design Storm Drain- 6th street Detention Pond to North end Of School District Parcel

Task	Senior Project Manager		Project Engineer (Arbitr)		Engineer/Senior Technician (Miller)		Licensed surveyor (Reed)		CADD/Survey tech (Gold)		Admin (Palsank)		TOTAL LABOR Hours	TOTAL LABOR Cost	Per Diam	Travel	Other Direct Costs	TOTAL EXPENSES	TOTAL OF LABOR AND EXPENSES
	Hrs @ \$145	Total Cost	Hrs @ \$120	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$105	Total Cost	Hrs @ \$85	Total Cost	Hrs @ \$55	Total Cost							
I Project Administration																			
A. contract administration	7.0	\$ 1,015	4.0	\$ 480							2.0	\$ 110	13.0	\$ 1,095					\$ 1,095
B. Quality control / Assurance	6.0	\$ 1,160	3.0	\$ 360									12.0	\$ 1,080					\$ 1,080
Subtotal		\$ 2,175		\$ 840										\$ 3,125					\$ 3,125
II Permitting																			
A. permit preparation		\$ -		\$ -										\$ -					\$ -
B. attend public meetings		\$ -		\$ -										\$ -					\$ -
C.		\$ -		\$ -										\$ -					\$ -
Subtotal		\$ -		\$ -										\$ -					\$ -
III landowner negotiations																			
A. meetings with landowners	2.0	\$ 280	2.0	\$ 240									4.0	\$ 380					\$ 380
B. agreement preparation		\$ -		\$ -										\$ -					\$ -
C. exhibits for deeds / easements		\$ -		\$ -										\$ -					\$ -
D.		\$ -		\$ -										\$ -					\$ -
Subtotal		\$ 280		\$ 240										\$ 380					\$ 380
IV Survey / Field work																			
A. Topographical survey	1.0	\$ 145	2.0	\$ 240						2.0	\$ 170		31.0	\$ 3,285	\$ 120	\$ 800	\$ 920	\$ 4,205	
B. Easement / survey on easements		\$ -		\$ -										\$ -				\$ -	
C.		\$ -		\$ -										\$ -				\$ -	
D.		\$ -		\$ -										\$ -				\$ -	
Subtotal		\$ 145		\$ 240					\$ 170					\$ 3,285	\$ 120	\$ 800	\$ 920	\$ 4,205	
V Design/Plan production																			
A. drafting		\$ -	16.0	\$ 1,920	10.0	\$ 1,050			280.0	\$ 23,800			306.0	\$ 28,770				\$ 28,770	
B. environmental design	6.0	\$ 870	160.0	\$ 18,200	188.0	\$ 17,430							332.0	\$ 37,500				\$ 37,500	
C. tech specs	1.0	\$ 145	8.0	\$ 960	8.0	\$ 840							21.0	\$ 2,185				\$ 2,185	
D. special provisions	1.0	\$ 145	6.0	\$ 720	8.0	\$ 840							17.0	\$ 1,815				\$ 1,815	
E. cost estimate	0.5	\$ 72	8.0	\$ 960	4.0	\$ 420							14.5	\$ 1,593				\$ 1,593	
Subtotal		\$ 1,233		\$ 23,780		\$ 20,590		\$ 1,680		\$ 23,800		\$ 4,440		\$ 69,813				\$ 69,813	
VI Bidding phase																			
A. misc assistance to City staff	1.0	\$ 145	8.0	\$ 960	4.0	\$ 420							13.0	\$ 1,525				\$ 1,525	
B. attend pre-bid conference	2.0	\$ 290	3.0	\$ 360									5.0	\$ 650				\$ 650	
Subtotal		\$ 435		\$ 1,320		\$ 420								\$ 2,175				\$ 2,175	
VII Construction phase																			
A. attend pre-con		\$ -	3.0	\$ 360									3.0	\$ 360				\$ 360	
B. submittal reviews		\$ -	9.0	\$ 720									6.0	\$ 720				\$ 720	
C.		\$ -		\$ -										\$ -				\$ -	
Subtotal		\$ 0		\$ 1,080		\$ 0		\$ 0		\$ 0				\$ 1,080				\$ 1,080	
GRAND TOTAL		\$ 4,278		\$ 27,480		\$ 21,000		\$ 4,485		\$ 23,870		\$ 580		\$ 80,098	\$ -	\$ 120	\$ 800	\$ 920	\$ 80,928

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