

REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT

Date: March 8, 2011

Project Name & Number: County Heights Drainage Basin Design Plan Amendment

CIP #: 50757

DR10-1870

Project Description: To provide engineering design services

Consultant: FMG Engineering

Original
Contract Amount: \$65,350.00Original
Contract Date: March 8, 2011Original
Completion Date: December 23, 2011

Addendum No:

Amendment Description:

Current Contract Amount: _____

Current Completion Date: _____

Change Requested: _____

New Contract Amount: \$0.00

New Completion Date: _____

Funding Source This Request:

Amount	Dept.	Line Item	Fund	Comments
\$65,350.00	8911	4223	505	
\$63,350.00	Total			

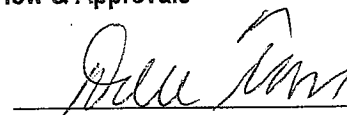
Agreement Review & Approvals



Project Manager

2-21-11 ^{SPT} 2-21-11

Date



Division Manager

2-22-11

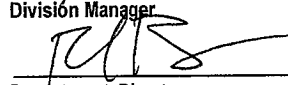
Date



Compliance Specialist

2-21-11

Date



Department Director

2-22-11

Date

City Attorney

Date

ROUTING INSTRUCTIONS

Route two originals of the Agreement for review and signatures.

Finance Office - Retain one original

Project Manager - Retain second original for delivery to Consultant

cc: Public Works
Engineering
Project Manager

FINANCE OFFICE USE ONLY

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

Date	Initials	Approved
Appropriation		Y N
Cash Flow		Y N

**Agreement Between City of Rapid City and FMG Engineering
for Professional Services for County Heights Drainage Basin Plan Amendment
Project No. DR10-1870/ CIP No. 50757**

AGREEMENT made **March 8, 2011**, between the City of Rapid City, SD (City) and **FMG Engineering**, (Engineer), located at **3700 Sturgis Road, Rapid City, SD 57702**. City intends to obtain services for **County Heights Drainage Basin Plan Amendment** Project No. **DR10-1870** CIP No. **50757**. The scope of services is as described in Exhibits A and B.

The City and the Engineer agree as follows:

The Engineer shall provide professional engineering services for the City in all phases of the Project as defined in Exhibits A and B, serve as the City's professional engineering representative for the Project, and give professional engineering consultation and advice to the City while performing its services.

Section 1—Basic Services of Engineer

1.1 General

- 1.1.1 The Engineer shall perform professional services described in this agreement, which include customary engineering services. Engineer intends to serve as the City's professional representative for those services as defined in this agreement and to provide advice and consultation to the City as a professional. Any opinions of probable project cost, approvals, and other decisions provided by Engineer for the City are rendered on the basis of experience and qualifications and represent Engineer's professional judgment.
- 1.1.2 All work shall be performed by or under the direct supervision of a professional Engineer licensed to practice in South Dakota.
- 1.1.3 All documents including Drawings and Specifications provided or furnished by Engineer pursuant to this Agreement are instruments of service in respect of the Project and Engineer shall retain an ownership therein. Reuse of any documents pertaining to this project by the City on extensions of this project or on any other project shall be at the City's risk. The City agrees to defend, indemnify, and hold harmless Engineer from all claims, damages, and expenses including attorney's fees arising out of such reuse of the documents by the City or by others acting through the City.

1.2 Scope of Work

The Engineer shall:



- 1.2.1 Consult with the City, other agencies, groups, consultants, and/or individuals to clarify and define requirements for the Project and review available data.
- 1.2.2 Perform the tasks described in the Scope of Services. (See Exhibits A and B)
- 1.2.3 Conduct a location survey of the Project to the extent deemed necessary to provide adequate site information.
- 1.2.4 Prepare a report presenting the results of the study as outlined in the scope of services.

Section 2—Information Provided by City

The City will provide any information in its possession for the project at no cost to the Engineer.

Section 3—Notice to Proceed

The City will issue a written notification to the Engineer to proceed with the work. The Engineer shall not start work prior to receipt of the written notice. The Engineer shall not be paid for any work performed prior to receiving the Notice to Proceed.

Section 4—Mutual Covenants

4.1 General

- 4.1.1 The Engineer shall not sublet or assign any part of the work under this Agreement without written authority from the City.
- 4.1.2 The City and the Engineer each binds itself and partners, successors, executors, administrators, assigns, and legal representatives to the other party to this agreement and to the partners, successors, executors, administrators, assigns, and legal representatives of such other party, regarding all covenants, agreements, and obligations of this agreement.
- 4.1.3 Nothing in this agreement shall give any rights or benefits to anyone other than the City and the Engineer.
- 4.1.4 This agreement constitutes the entire agreement between the City and the Engineer and supersedes all prior written or oral understandings. This agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.



- 4.1.5 The Engineer shall make such revisions in plans which may already have been completed, approved, and accepted by the City, as are necessary to correct errors or omissions in the plans, when requested to do so by the City, without extra compensation therefore.
- 4.1.6 If the City requests that previously satisfactorily completed and accepted plans or parts thereof be revised, the Engineer shall make the revisions requested by the City. This work shall be paid for as extra work.
- 4.1.7 If the City changes the location from the one furnished to the Engineer, or changes the basic design requiring a new survey for the portions so changed, the redesign will be paid for as extra work.
- 4.1.8 The City may at any time by written order make changes within the general scope of this Agreement in the work and services to be performed by the Engineer. Any changes which materially increase or reduce the cost of or the time required for the performance of the Agreement shall be deemed a change in the scope of work for which an adjustment shall be made in the Agreement price or of the time for performance, or both, and the Agreement shall be modified in writing accordingly. Additional work necessary due to the extension of project limits shall be paid for as extra work.
- 4.1.9 Extra work, as authorized by the City, will be paid for separately and be in addition to the consideration of this Section.
- 4.1.10 For those projects involving conceptual or process development services, activities often cannot be fully defined during the initial planning. As the project does progress, facts and conditions uncovered may reveal a change in direction that may alter the scope of services. Engineer will promptly inform the City in writing of such situations so that changes in this agreement can be renegotiated.
- 4.1.11 This Agreement may be terminated (a) by the City with or without cause upon seven days' written notice to the Engineer and (b) by the Engineer for cause upon seven days' written notice to the City. If the City terminates the agreement without cause, the Engineer will be paid for all services rendered and all reimbursable expenses incurred prior to the date of termination.

If termination is due to the failure of the Engineer to fulfill its agreement obligations, the City may take over the work and complete it by agreement or otherwise. In such case, the Engineer shall be liable to the City for any additional cost occasioned thereby.



- 4.1.12 The City or its duly authorized representatives may examine any books, documents, papers, and records of the Engineer involving transactions related to this agreement for three years after final payment.
- 4.1.13 The City shall designate a representative authorized to act on the City's behalf with respect to the Project. The City or such authorized representative shall render decisions in a timely manner pertaining to documents submitted by the Engineer in order to avoid unreasonable delay in the orderly and sequential progress of the Engineer's services.
- 4.1.14 Costs and schedule commitments shall be subject to renegotiation for delays caused by the City's failure to provide specified facilities or information or for delays caused by unpredictable occurrences including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, process shutdowns, acts of God, or the public enemy, or acts of regulations of any governmental agency. Temporary delays of services caused by any of the above which results in additional costs beyond those outlined may require renegotiation of this agreement.
- 4.1.15 The City will give prompt written notice to the Engineer if the City becomes aware of any fault or defect in the Project or nonconformance with the Project Documents.
- 4.1.16 Unless otherwise provided in this Agreement, the Engineer and the Engineer's consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to hazardous materials in any form at the project site, including but not limited to asbestos products, polychlorinated biphenyl (PCB), or other toxic substances.
- 4.1.17 In the event asbestos or toxic materials are encountered at the jobsite, or should it become known in any way that such materials may be present at the jobsite or any adjacent areas that may affect the performance of Engineer's services, Engineer may, at their option and without liability for consequential or any other damages, suspend performance of services on the project until the City retains appropriate specialist CONSULTANT(S) or contractor(s) to identify, abate, and/or remove the asbestos or hazardous or toxic materials.
- 4.1.18 This agreement, unless explicitly indicated in writing, shall not be construed as giving Engineer the responsibility or authority to direct or supervise construction means, methods, techniques, sequences, or procedures of construction selected by any contractors or



subcontractors or the safety precautions and programs incident to the work of any contractors or subcontractors.

- 4.1.19 Neither the City nor the Engineer, nor its Consultants, shall hold the other liable for any claim based upon, arising out of, or in any way involving the discharge, dispersal, release or escape of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids, or gases, waste materials, or other irritants, contaminants, or pollutants.
- 4.1.20 Neither the City nor the Engineer, nor its Consultants, shall hold the other liable for any claim based upon, arising out of, or any way involving the specification or recommendation of asbestos, in any form, or any claims based upon use of a product containing asbestos.
- 4.1.21 Engineer hereby represents and warrants that it does not fail or refuse to collect or remit South Dakota or City sales or use tax for transactions which are taxable under the laws of the State of South Dakota.

4.2 City of Rapid City NonDiscrimination Policy Statement

In compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination act of 1975, the Americans with Disabilities Act of 1990, and other nondiscrimination authorities it is the policy of the City of Rapid City, 300 Sixth Street, Rapid City, SD 57701-5035, to provide benefits, services, and employment to all persons without regard to race, color, national origin, sex, disabilities/handicaps, age, or income status. No distinction is made among any persons in eligibility for the reception of benefits and services provided by or through the auspices of the City of Rapid City.

Engineer will permit access to any and all records pertaining to hiring and employment and to other pertinent data and records for the purpose of enabling the Commission, its agencies or representatives, to ascertain compliance with the above provisions.

This section shall be binding on all subcontractors or suppliers.

Section 5—Payments to the Engineer

5.1 Schedule of Pay Rates

The City will pay the Engineer for services rendered or authorized extra work according to the Engineer's hourly rate schedule. (See Exhibit C.)

5.2 Fee



The maximum amount of the fee for the services as detailed in Section 1.2 shall not exceed \$65,350.00 unless the scope of the project is changed as outlined in Section 4. If expenses exceed the maximum amount, the Engineer shall complete the design as agreed upon here without any additional compensation. Sub task dollar amounts may be reallocated to other tasks as long as the total fee is not exceeded.

5.3 Progress Payments

Monthly progress payments shall be processed by the City upon receipt of the claim as computed by the Engineer based on work completed during the month at the rates established in Section 5.1 and approved by the City.

Net payment to the Engineer shall be due within forty-five (45) days of receipt by the City.

Section 6—Completion of Services

The Engineer shall complete services on or before December 23, 2011.

Section 7—Insurance Requirements

7.1 Insurance Required

The Engineer shall secure the insurance specified below. The insurance shall be issued by insurance company(s) acceptable to the City and may be in a policy or policies of insurance, primary or excess. Certificates of all required insurance including any policy endorsements shall be provided to the City prior to or upon the execution of this Agreement.

7.2 Cancellation

The Engineer will provide the City with at least 30 days' written notice of an insurer's intent to cancel or not renew any of the insurance coverage. The Contractor agrees to hold the City harmless from any liability, including additional premium due because of the Contractor's failure to maintain the coverage limits required.

7.3 City Acceptance of Proof

The City's approval or acceptance of certificates of insurance does not constitute City assumption of responsibility for the validity of any insurance policies nor does the City represent that the coverages and limits described in this agreement are adequate to protect the Engineer, its consultants or subcontractors interests, and assumes no liability therefore. The Engineer will



hold the City harmless from any liability, including additional premium due, because of the Engineer's failure to maintain the coverage limits required.

7.4 Specific Requirements

- 7.4.1 Workers' compensation insurance with statutory limits required by South Dakota law. Coverage B-Employer's Liability coverage of not less than \$500,000 each accident, \$500,000 disease-policy limit, and \$500,000 disease-each employee.
- 7.4.2 Commercial general liability insurance providing occurrence form contractual, personal injury, bodily injury and property damage liability coverage with limits of not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, and \$2,000,000 aggregate products and completed operations. If the occurrence form is not available, claims-made coverage shall be maintained for three years after completion of the terms of this agreement. The policy shall name the City and its representatives as an additional insured.
- 7.4.3 Automobile liability insurance covering all owned, nonowned, and hired automobiles, trucks, and trailers. The coverage shall be at least as broad as that found in the standard comprehensive automobile liability policy with limits of not less than \$1,000,000 combined single limit each occurrence. The required limit may include excess liability (umbrella) coverage.
- 7.4.4 Professional liability insurance providing claims-made coverage for claims arising from the negligent acts, errors or omissions of the Engineer or its consultants, in the amount of \$1,000,000 each occurrence and \$1,000,000 annual aggregate. Coverage shall be maintained for at least three years after final completion of the services.

Section 8—Hold Harmless

The Engineer hereby agrees to hold the City harmless from any and all claims or liability including attorneys' fees arising out of the professional services furnished under this Agreement, and for bodily injury or property damage arising out of services furnished under this Agreement, providing that such claims or liability are the result of a negligent act, error or omission of the Engineer and/or its employees/agents arising out of the professional services described in the Agreement.

Section 9—Independent Business

The parties agree that the Engineer operates an independent business and is contracting to do work according to his own methods, without being subject to the



control of the City, except as to the product or the result of the work. The relationship between the City and the Engineer shall be that as between an independent contractor and the City and not as an employer-employee relationship. The payment to the Engineer is inclusive of any use, excise, income or any other tax arising out of this agreement.

Section 10-Indemnification

If this project involves construction and Engineer does not provide consulting services during construction including, but not limited to, onsite monitoring, site visits, site observation, shop drawing review and/or design clarifications, City agrees to indemnify and hold harmless Engineer from any liability arising from the construction activities undertaken for this project, except to the extent such liability is caused by Engineer's negligence.

Section 11-Controlling Law and Venue

This Agreement shall be subject to, interpreted and enforced according to the laws of the State of South Dakota, without regard to any conflicts of law provisions. Parties agree to submit to the exclusive venue and jurisdiction of the State of South Dakota, 7th Judicial Circuit, Pennington County.

Section 12-Severability

Any unenforceable provision herein shall be amended to the extent necessary to make it enforceable; if not possible, it shall be deleted and all other provisions shall remain in full force and effect.

Section 13—Funds Appropriation

If funds are not budgeted or appropriated for any fiscal year for services provided by the terms of this agreement, this agreement shall impose no obligation on the City for payment. This agreement is null and void except as to annual payments herein agreed upon for which funds have been budgeted or appropriated, and no right of action or damage shall accrue to the benefit of the Engineer, its successors or assignees, for any further payments. For future phases of this or any project, project components not identified within this contract shall not constitute an obligation by the City until funding for that component has been appropriated.



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

City of Rapid City:

Engineer:

MAYOR

FMG Engineering

DATE: _____

DATE: 2/18/2011

ATTEST:

FINANCE OFFICER

Reviewed By:

Mary Bosworth, PROJECT MANAGER

DATE: 2-18-11



EXHIBIT A

FMG ENGINEERING
SCOPE OF SERVICES
FOR
COUNTY HEIGHTS DRAINAGE BASIN DESIGN PLAN AMENDMENT
PROJECT NO. DR10-1870 / CIP NO 50757

The City of Rapid City proposes to update the County Heights Drainage Basin Design Plan (DBDP) by preparing a DBDP Amendment (Amendment). The Amendment is a conceptual design document to provide guidance to government agencies and for development in the basin. The Amendment will define the existing and proposed future major stormwater facilities including water quality treatment.

In general terms the Amendment shall include the following:

- As Constructed Hydraulic Conditions based on Record Drawings
- Conceptual Designs for Recommended Improvements
- Stormwater Quality Improvements Recommendations
- Infrastructure Improvement Costs based on 2011 Construction Costs
- Amendments to the City GIS Drainage Working Map
- Other Information Necessary to Adequately Describe the Amendment

The Amendment is to be based on the U.S. Army Corps of Engineers HEC-HMS Modeling System as the basis of runoff and routing analysis. Other models to supplement HEC-HMS are HY8, Culvertmaster, and Flowmaster. HEC-RAS modeling of drainage ways is beyond the scope of the project; rather, channel capacity will be determined using normal depth type methodology.

Field topographic and boundary surveys are beyond the scope of work, rather, the "as constructed hydraulic conditions" described in the RFP are to be based on the original design plans, as built where available, and information readily observed by the site visits.

The Amendment will address major drainage facilities only. Minor drainages are beyond the scope of the project.

Professional services will generally be in accordance with the project RFP and as further described in this Exhibit A and as further illustrated on Exhibit B. Professional services consist of three Tasks: Investigative, Draft Drainage Basin Design Plan Amendment, and Drainage Basin Design Plan Amendment.

TASK 1 - INVESTIGATIVE:

This task consists of services necessary for investigative services to locate, gather, and compile various background data. Various methods and sources will be used and may include the following itemized services.

- 1.1 Kick-off Conference: The consultant shall meet with City staff prior to beginning work to discuss the project. Additional agencies to be invited will include City Street Department, City Water and Wastewater Departments, City Planning, SDDOT, Pennington County Highway

EXHIBIT A

Department, Pennington County Planning Office, and Rapid Valley Sanitary District. FMG will prepare an agenda, take minutes, and distribute minutes.

- 1.2 Obtain and review the numerous drainage reports and engineering data for the study area that are available at City Engineering and other agencies/departments.
- 1.3 Obtain City GIS data and setup base maps of the study area.
- 1.4 Meet with representatives of the Hawthorne and Murphy irrigation companies to learn of concerns they may have in the study area.
- 1.5 Site visits. These visits are for familiarization of the study area. Major drainage ways will be “walked” where possible and documented with digital photos. Pipe sizes and other hydraulic structures will be measured in the field for size verification.
- 1.6 Right of Way and Easement Documents. This task is to obtain right of way, easement, and historical plat information as related to the major drainages in the study area. This information will be obtained through a search at the Pennington County Courthouse.
- 1.7 Wetlands Determination. Approximate areas of wetlands will be identified using “offsite desktop” methods. Detailed field investigations of wetland hydrology, prevalence of hydrophytic vegetation, and hydric soils are beyond the scope of work. cursory observations of the presence of readily identifiable hydrophytic vegetation will be made during the site visits to supplement the “offsite desktop” methodology.
- 1.8 FEMA Floodmap. This task is to determine the location and extent of existing FEMA floodplains in the study area. The extent and impact of the FEMA floodplain on the major design elements will be documented.

TASK 2 – DRAFT DRAINAGE BASIN DESIGN PLAN AMENDMENT

This task consists of services necessary for preparing the Draft Drainage Basin Design Plan Amendment. The following generally described tasks are in Task 2.

- 2.1 Layout the sub basins and hydraulic routing network skeleton. Multiple iterations are anticipated as the project progresses. It is anticipated the initial layout will somewhat mimic previous basins to compare modeling techniques and results. It is further anticipated that additional layouts will be necessary to better model the basin as the study progresses.
- 2.2 Develop Computer Modeling Input Data. This task will prepare the input data needed for the HEC-HMS models. Input data will be prepared following the recommendations in the Draft Infrastructure Design Criteria Manual. This data will be developed for various scenarios in the Amendment process. This task includes review of the City Criteria recommendations and possible adjustments to the recommendations as may be judged necessary.

Future imperviousness will be based on the City Neighborhood Land Use Plan.

Soils data and resulting Green Ampt data will be based on NRCS soils surveys. Field investigation of soils is beyond the scope of the project.

Existing detention pond storage and discharge data will be taken from the design

EXHIBIT A

report/drawings of each particular pond if available. The storage data will be checked against GIS contours as a test of reasonableness. Existing stage/discharge data for detention ponds will be taken from the design report for the particular pond if available. An examination of the stage discharge data will be made prior to use in the models and adjustments made if determined necessary.

Channel routing geometry for the HEC-HMS model will be based on a combination of as built drawings, design drawings, and GIS data as judged applicable.

- 2.3 HEC-HMS Modeling Initial Comparison Scenarios. Scenarios anticipated are (1) Presettlement Conditions for comparison of HEC-HMS results to applicable simplistic methods, (2) comparisons to the 1990 DBDP where judged necessary, and (3) comparisons to other studies where judged necessary. Additional tests will be made related to sensitivity of various basin input parameters, developed subbasin discharge comparison to applicable simplistic methods. The fundamental goal of this task is to judge the reasonableness of the HEC-HMS results.
- 2.4 Amendment Modeling, Alternate Analysis, and Improvement Recommendations. This task is the process where current conditions in the basin are modeled, future development is modeled with existing hydraulic features to identify issues, and future development is modeled with recommended improvements. This is the where problems in the major drainage system are identified, solutions are identified, and recommendations developed. Recommendations will be conceptual in nature and will not include detailed drawings. Safety factor calculations at detention ponds will be included in this task.
- 2.5 Stormwater Quality Improvements. This task is to identify potential methods for stormwater quality improvements and develop recommendations. Some level of revised modeling is anticipated in this task for potential changes to detention ponds and channels.
- 2.6 Interim Submittals and Technical Memorandums will be produced as necessary.
- 2.7 Cost Estimates and Drainage Basin Fee Updates. These estimates and fee updates will be based on costs related to recommended improvements only. Past projects will be excluded from the Basin Fees updates.
- 2.8 Progress Meetings with City Staff. Meetings will be held at least monthly. The consultant shall prepare an agenda, take minutes, and distribute minutes. It is anticipated that the City Growth Management Division may have some level of input in these meetings because the Amendment will ultimately be submitted as a Comprehensive Plan Amendment.
- 2.9 Draft DBDP Amendment Submittal. At a minimum the Draft DBDP Amendment shall include Introduction, Basin Information, Hydrologic Updates, Hydraulic Updates, Cost Estimate, Storm Water Quality, and Drainage Basin Fee Information.
- 2.10 Meeting with City Staff to discuss City review comments to Draft DBDP. The consultant shall prepare an agenda, take minutes, and distribute minutes.

EXHIBIT A

TASK 3 – DRAINAGE BASIN DESIGN PLAN AMENDMENT

This task consists of services necessary for preparing the final Drainage Basin Design Plan Amendment. The following generally described tasks are in Task 3.

- 3.1 Revise draft Amendment and submit. The draft Amendment will be revised based on City review comments and resubmitted for City review.
- 3.2 Meeting with City Staff to discuss City review comments to revised Amendment. The consultant shall prepare an agenda, take minutes, and distribute minutes.
- 3.3 Revise the DBDP Amendment and submit final deliverable documents. The DBDP Amendment will be revised for City review comments and resubmitted as the final set of deliverable documents.
- 3.4 Presentation to City Planning Commission and Public Works Committee. Power point presentation to be prepared. Actual presentation may be given by City Public Works Staff.

EXHIBIT B TASK SCHEDULE
COUNTY HEIGHTS DRAINAGE BASIN PLAN AMENDMENT
Project No. DR10-1870 / CIP No. 50757

TASK 1 - INVESTIGATIVE		
1.1	Kickoff Meeting	\$ 860.00
1.2	Collect and Review Previous Drainage Plans/Studies	\$ 4,490.00
1.3	Data Gathering of City GIS Data and investigative map setups	\$ 1,080.00
1.4	Meet with Hawthorne and Murphy Irrigation Companies	\$ 240.00
1.5	Site Visits for familiarization/photos/check pipe & structures	\$ 2,480.00
1.6	Gather Plat/Easement/Right of Way documents related to drainage	\$ 720.00
1.7	Wetlands Determination - Offsite Noncritical Method	\$ 1,870.00
1.8	FEMA Floodplain Data	\$ 120.00
1.9	Reimbursables, Printing, Supplies, Mileage, Expendables for Task 1	\$ 300.00
TOTAL FOR TASK 1 - INVESTIGATIVE		\$ 12,160.00

TASK 2 - DRAFT DBDP AMENDMENT		
2.1	Layout Subbasins and Hydraulic Modeling Skeleton	\$ 720.00
2.2	Develop modeling input data	\$ 7,160.00
2.3	HEC-HMS Modeling Initial Comparison Scenarios	\$ 4,400.00
2.4	Amendment Modeling, Alternate Analysis, and Develop Improvement Recommendations	\$ 15,240.00
2.5	Storm Water Quality Recommendations	\$ 1,440.00
2.6	Interim Submittals/Technical Memorandums	\$ 2,130.00
2.7	Cost Estimates and Drainage Basin Fee Updates	\$ 2,860.00
2.8	Progress Meetings with City Staff	\$ 1,440.00
2.9	Prepare and Submit Draft DBDP	\$ 11,400.00
2.10	Draft DBDP Review Meeting	\$ 240.00
2.11	Reimbursables, Printing, Supplies, Mileage, Expendables for Task 2	\$ 200.00
TOTAL FOR TASK 2 - DRAFT DBDP		\$ 47,230.00

TASK 3 - DBDP AMENDMENT		
3.1	Revise draft per City Comments and Submit Amendment	\$ 1,800.00
3.2	Amendment Review meeting with City Staff	\$ 240.00
3.3	Revise Amendment per City comments and Submit Final Deliverables	\$ 3,070.00
3.4	Presentation to Planning Commission and Public Works Committee	\$ 550.00
3.5	Reimbursables, Printing, Supplies, Mileage, Expendables for Task 3	\$ 300.00
TOTAL FOR TASK 3 - DBDP AMENDMENT		\$ 5,960.00

TOTAL ALL TASKS

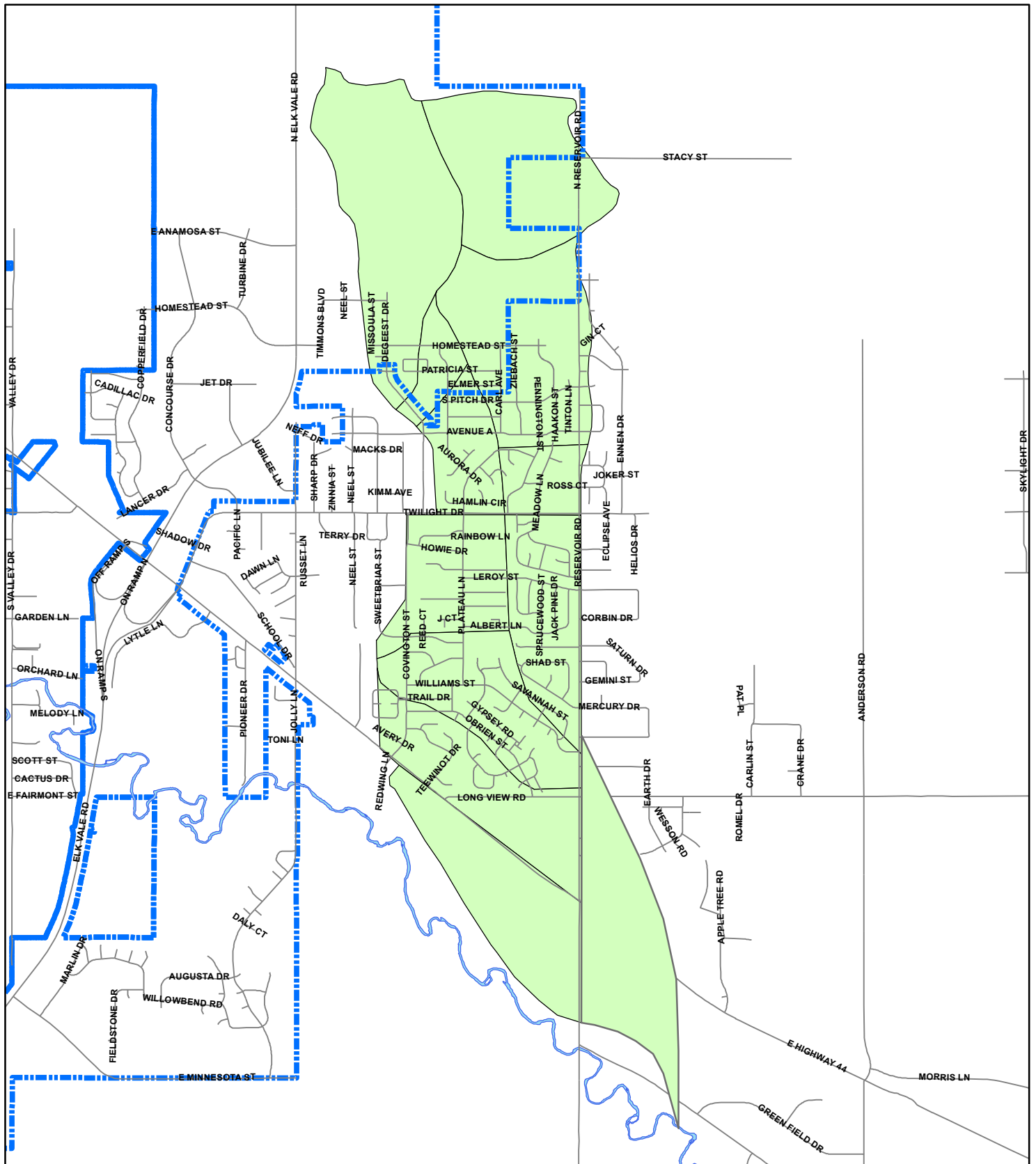
\$ 65,350.00

EXHIBIT C

FMG ENGINEERING
RATE SCHEDULE
FOR
COUNTY HEIGHTS DRAINAGE BASIN DESIGN PLAN AMENDMENT
PROJECT NO. DR10-1870 / CIP NO 50757

<u>PERSONNEL</u>	<u>RATE</u>
<u>FMG ENGINEERING</u>	
Professional Engineer – Principal	\$120.00/hr
Professional Engineer – Senior Engineer	\$95.00/hr
Computer Drafting Technician	\$60.00/hr
Registered Land Surveyor	\$75.00/hr
Clerical	\$45.00/hr
<u>VEHICLES & EXPENSES</u>	
Mobilization (support vehicle)	\$0.65/mile
Travel Costs - air, lodging, transport, meals, etc.	cost
Document Reproduction	cost

EXHIBIT A



COUNTY HEIGHTS DRAINAGE BASIN DESIGN PLAN UPDATE
PROJECT NO. DR10-1870 **CIP NO. 50757**