

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

Date:

Project Name & Number: Wildwood Drive Reconstruction Phase 1 Project # 13-2118

CIP #: 50453

Project Description: Preliminary Design, Final Design, Bidding, Basic Construction and Expanded Construction Services

Consultant: FMG Inc.

Original
Contract Amount: \$96,750.00

Original
Contract Date: March 17, 2014

Original
Completion Date: September 12, 2104

Addendum No:

Amendment Description:

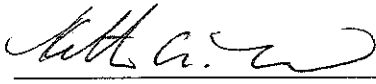
Current Contract Amount: _____
Change Requested: _____
New Contract Amount: _____ \$0.00

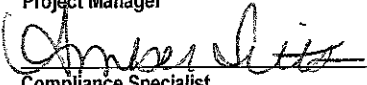
Current Completion Date: _____
New Completion Date: _____

Funding Source This Request:


Amount	Dept.	Line Item	Fund	Comments
\$10,000.00	8911	4223	505	CIP Drainage
\$20,000.00	8910	4223	505	CIP Streets
\$20,000.00	834	4223	604	Wastewater Expansion
\$46,750.00	934	4223	602	Water Expansion
\$96,750.00	Total			


Agreement Review & Approvals

 _____ 2/28/14
Project Manager Date

 _____ 2/28/14
Compliance Specialist Date

City Attorney Date

 _____ 3-3-14
Division Manager Date

 _____ 3-3-14
Department Director 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 Inc. for Design and Bidding
Professional Services for Wildwood Drive Reconstruction Phase I,
Project No. Project No. 13-2118 / CIP No. 50453**

AGREEMENT made _____, 20____, between the City of Rapid City, SD (City) and FMG Inc., (Engineer), located at 3700 Sturgis Road, Rapid City, SD. City intends to obtain services for design and bidding for Wildwood Drive Reconstruction Phase 1, Project No. 13-2118, CIP No. 50453. The scope of services is as described within this document and as further described in Exhibits A, B and C (attached).

The City and the Engineer agree as follows:

The Engineer shall provide professional engineering services for the City in all phases of the Project and as further defined in Exhibits A, B and C (attached), 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.
- 1.1.4 The contract will be based on an hourly rate and reimbursable fee schedule with a maximum not-to-exceed amount.



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 Exhibit A.)
- 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 Engineer's 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. In such



case, the Engineer shall be liable to the City for any additional cost to the extent directly resulting from Engineer's action.

- 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. All examinations will be performed at reasonable times, with proper notice. Engineer's documentation will be in a format consistent with general accounting procedures.
- 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 other parties, excluding sub-contractors and sub-consultants, 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 or any other conditions or circumstances beyond the control of the City or Engineer. 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 and reimbursable rate schedule described in Exhibit C.

5.2 Fee

The maximum amount of the fee for the services as detailed in Section 1.2 shall not exceed \$96,750 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. Prime consultant may not mark up sub-consultant or sub-contractor services.

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 per the hourly rates and allowable reimbursable as 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 September 12, 2014 based on an award date of March 18, 2014.

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, of not less than \$1,000,000 each occurrence and not less than \$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 Inc.

DATE: _____

DATE: _____

ATTEST:

FINANCE OFFICER

Reviewed By:



Keith A. Winter, P.E., PROJECT MANAGER

DATE: 2/28/14

CITY'S DESIGNATED PROJECT
REPRESENTATIVE

ENGINEERING FIRM'S DESIGNATED
PROJECT REPRESENTATIVE

NAME Keith Winter, PE
PHONE 605-394-4154
EMAIL keith.winter@rcgov.org

NAME Richard Sudmeier, PE
PHONE 605-342-4105
EMAIL rsudmeier@fmgengineering.com



EXHIBIT A SCOPE OF SERVICES

WILDWOOD DRIVE RECONSTRUCTION PROJECT NO. 13-2118 CIP 50453

The City of Rapid City has determined the need to procure professional services including Preliminary Design Services, Final Design Services, Bidding Services, Basic Construction Services and Expanded Construction Services for the Wildwood Drive Reconstruction Project.

This is the first in a series of projects to reconstruct the Wildwood Area. This Wildwood Drive reconstruction begins at Sheridan Lake Road and ends approximately 670' west. The project is anticipated to consist of guardrail on the north side of the roadway, curb & gutter on both sides of the road, evaluation of roadway profile to improve grades, grading will also be required for possible future sidewalk on one side of the roadway. The project will also include consideration for local street lighting. The project also includes design of parallel water mains, one 16 inch high pressure main and an 8 inch low pressure main. The project will also include sanitary sewer (8 inch) and storm sewer. The project also includes a separate design of new 12 inch water main along a new alignment extending from the Westview pump station to approximately 400 feet east of the intersection of Carriage Hills Place and Carriage Hills Drive (construction for this project will be under a separate CIP).

It is anticipated that the improvements will include the following:

1. A Sanitary Sewer will be constructed in the project's extents. The sewer shall be 8 inch PVC.
2. A 16 inch high pressure water main operating off of the Carriage Hills Pressure Zone and an 8 inch low pressure water main operating off of the Southwest Pressure Zone will be constructed.
3. A new 12 inch Poly-Vinyl Chloride (PVC) water main along a new alignment extending from the Westview Pump Station to approximately 400 feet east of the intersection of Carriage Hills Drive and Carriage Hills Place will be constructed. Construction of this water main will be under a separate CIP.
4. The drainage improvements include design of curb and gutter and associated storm sewer to keep storm water runoff within the right of way. The street design shall meet the drainage requirements specified in the City's Infrastructure Design Criteria Manual, however, designs incorporating storm water quality features will be encouraged. It is proposed that water quality design shall include the modification of the nearby regional detention pond east of Sheridan Lake Road as a regional water quality pond; failing that, local water quality features will be studied for incorporation into the project.
5. Wildwood Drive will be reconstructed from Sheridan Lake Road to approximately 670 feet west. The streets geometry, grades, and pavement design shall be determined by the consultant (this shall include design of paving material, ACC or PCC). Street reconstruction is anticipated to require guardrails on the north side.
6. Design of grading to allow for possible future sidewalks. ADA requirements shall be incorporated within the reconstruction.
7. Design of Street Lighting to local street levels.

FMG Inc, was selected through the City's consultant selection process to provide Engineering Services for Task 1 through Task 3. Tasks 4 and 5 may be combined into a separate contract.

TASK 1 - PRELIMINARY DESIGN SERVICES:

This task consists of all services necessary to take the project from beginning through the Preliminary Design submittal stage, and may include the following itemized services.

- 1.1 Kick-off Conference: The consultant shall meet with City staff to detail project concept and scope. The consultant shall prepare an agenda, take minutes, and distribute minutes. The City anticipates 2 separate kick-off meetings for this project.
- 1.2 Review background information listed in this RFP, and any other resources as necessary.
- 1.3 Perform site surveys sufficient for design plan preparation. The route and topography survey shall be tied to at least two City of Rapid City Monument Control system monuments utilizing State Plane coordinates.
- 1.4 Have initial meetings with individual property owners regarding ROW and permanent and temporary easement needs and regarding specific project issues and components.
- 1.5 Perform Geotechnical Evaluation.
To evaluate the existing soil conditions at the project sites, a total of 7 boreholes will be drilled. Along Wildwood Drive, four boreholes will be drilled. Near the Carriage Hills Place water tank and waterline, three boreholes will be drilled. Field testing will be performed and samples will be extracted for further laboratory analysis. Select soil samples will be tested in our laboratory to determine their general classification, physical properties, and engineering characteristics. The testing will be completed in accordance with applicable ASTM testing procedures. Field testing will include resistivity testing.

Upon completion of the field and laboratory testing and our analysis, a report will be prepared that transmits the boring logs, field data, and laboratory results, provides a limited geologic analysis of the area, and provides our recommendations street and utility reconstruction. In general, our recommendations will include utility installation recommendations, retaining wall design and construction recommendations, embankment and cut slope construction recommendations, and pavement section thickness design recommendations. The report will also include general construction recommendations that we consider applicable such as excavation considerations, groundwater conditions and material placement recommendations.

- 1.6 Conceptual Design Submittal
The Conceptual Design Submittal shall generally consist of the following documents:

A. Conceptual Design Report

Prepare a Conceptual Design Report: The consultant shall establish and indicate project specific design criteria and standards within the Conceptual Design Report (including ADA requirements). The consultant shall submit all design assumptions for pipe sections, water, sewer, and storm sewer locations, pavement sections, etc. The Consultant shall include design life, design criteria, and reference of design resources. The Consultant shall use the City Infrastructure Design Criteria Manual to establish design criteria and standards. The Conceptual Design Report shall evaluate and recommend pavement design, preliminary horizontal and vertical alignments for utilities, roadways, project phasing and limits, and other public improvements. Establish pipe sizes, lane configurations, drainage system capacity, complete water quality assessment, etc. Provide justification for the facility and analysis of alternatives. The project's geotechnical report shall be included within the Conceptual Project Design Report and include soil classifications, N values, water levels, proctors, CBR's, resistivity tests, pavement design, and testing recommendations. The Consultant shall elaborate on other project

components as necessary.

A probable opinion of construction costs for the project(s) shall be included. The costs shall be itemized based on the City's standard bid items and appropriate contingency item allowance.

The consultant shall establish and indicate project specific design criteria and standards within the Conceptual Design Report. The Conceptual Design Report shall provide drainage calculations and compare pipe sizes and inlet spacing compared to pipe sizes and inlets needed to meet City criteria. Use the City Infrastructure Design Criteria Manual to establish design criteria and standards. The Conceptual Design Report shall provide review of compliance with City's Standard Specifications for construction of the project(s).

Identify the existing right-of-way (ROW) location and any ROW or easements necessary for the Project. Include size and extent of such ROW and easements and contact information of property owners.

Submit three (3) copies and a PDF version of the Conceptual Design Report and preliminary plans and specifications to City of Rapid City's project manager for review and comment.

B. Conceptual Drawings

Provide three (3) copies and a PDF version of the conceptual drawings. The conceptual drawings shall contain the following sheets:

- Cover Sheet
- Survey Control Sheet
- Anticipated traffic control phasing and erosion control measures
- Property Layout and Land Ownership
- Plan and Profile Sheets - Show existing and proposed utility mains and existing services, storm sewers, driveway locations, fittings, and proposed surfacing curb and gutter layout, and guardrail locations, consideration for sidewalks and ADA Facilities and drainage items.
- Water Quality/Detention Pond Sheet.
- Wildwood Drive Cross Sections
- Anticipated Rapid City Standard Details
- Special Details - Conceptual layouts for special/critical elements for example buildings, special drainage structures, pump facilities, etc.
- Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards.

1.7 Attend submittal review meeting with City staff, if necessary.

TASK 2 - FINAL DESIGN SERVICES:

This task consists of all services necessary to take project from Task 1 Preliminary Design Services through the Final Design Services, and may include the following itemized services.

- 2.1 Address City comments from the Task 1 City review(s) and finalize Conceptual Design Report. The Conceptual Design Report should be now titled "Project Design Report".
- 2.2 Determine removal limits with approval of City of Rapid City representative.
- 2.3 Coordinate with Geotechnical Engineer.
- 2.4 Coordinate with Utility Companies/Notify City Project Manager if private utilities need to be relocated.

2.5 Submit Design Exception Requests.

2.6 Provide Complete Plans and Specifications. It is anticipated the complete plans and specification will include. Additional design requirements follow the list of anticipated sheets.

- Project Manual Detailed Specifications, Bidders Proposal
- Title Sheet
- Legend Sheet
- Estimate of Quantities and General Note Sheets
- Project Sequencing and Phasing Schedule Notes
- Estimate of Quantities Tables
- Property Control Drawings with Layout, Ownership/Type of Occupancy Sheets
- Right of Way and Easement Layout Sheets
- Survey Control Sheet / Horizontal/Vertical and Alignment Data
- Detailed Traffic Control sheets
- Existing Condition and Removal Sheets (5 sheets)
- SWPPP sheets with City Std Notes Plus SDDENR requirements
- Erosion Control Plan Sheets (5 sheets)
- Typical Sections
- Plan Sheets (4 sheets)
- Profile Sheets (4 Sheets)
- Stormwater Pond Layout and Grading Sheet
- Curb and Gutter & Surfacing Sheets (4 sheets)
- Roadway Lighting Plans per Black Hills Power and Light Details and Specs
- Standard City Details
- Special Project Details
- Corrosion Control and Details

The total number and/or type of sheets may vary upon final design depending on final project requirements.

Project layout sheet is to include lot lines (front and side) and addresses of all properties (adjacent to construction, or alternatively, in service area). Identify if property is owner occupied or a rental.

Design features as necessary to meet the requirements outlined in the Project Design Report.

Incorporate ADA compliance items, for example fillet, driveway and sidewalk improvements. All applicable ADA requirements shall be outlined in the Project Design Report.

Provide a complete stormwater pollution prevention narrative which will include detailed erosion and sediment control measures and specifications. Provide a complete erosion and sediment control site plan which includes station and offset locations for each implemented measure. Include both temporary and permanent erosion and sediment control measures. Include an erosion and sediment control sequence of implementation and phasing schedule. Each erosion control item shall be bid separately.

Provide detailed traffic control plans showing all devices required for a MUTCD compliant plan. Show all streets and alleys that may be impacted by this project. Show all existing signage, pavement markings, etc. All work zones, road closures, lane closures, and pavement marking removals shall be indicated on the plan. A detailed layout will be included for each phase of

multi-phased projects. The traffic control sequence of implementation and phasing schedule shall coincide with erosion and sediment control sequence of implementation and phasing schedule. Each traffic control device shall be bid separately. The City will provide an electronic version of an aerial photo for the selected consultant's use.

Provide a Project Sequence of implementation and phasing schedule which shall include such items as traffic control, erosion and sediment control, utility installations, paving, restoration, and construction milestones.

Coordinate directly with utility companies' engineering divisions to ensure that all existing utilities are completely and accurately identified and located in the field; that pertinent information regarding depth, material, size, etc. are noted on the plans; and that conflicts requiring relocation of utilities or special construction techniques are fully specified in the contract documents. Preliminary plans shall be provided to the pertinent utilities for comment at the time they are complete followed by a specific private utility coordination meeting in two to three weeks.

Notify the City Project Manager if private utilities will need to be relocated so PM can formally notify the utilities to relocate.

If desiring exceptions from City requirements or specifications, it is the Consultant's responsibility to request and secure exceptions. Failure by the City to comment on a nonconforming item during a review does not constitute the granting of an exception.

Provide detailed specifications supplementing the City of Rapid City Standard Specifications, as necessary. Typically project drawing specific issues should be indicated as a General Note on the drawings. Material types and material specific items would be included as a detailed specification.

Engineer shall obtain a design exception for Infrastructure Design Criteria manual requirements as needed.

Provide complete plans and specifications for a unit price construction contract. Plan sheets shall be prepared utilizing the latest City of Rapid City Drafting Standards.

Plans documents shall adhere to current City of Rapid City guidelines.

Staking information shall include either of the following formats:

On the Plans

- Station offsets for all items of work requiring field staking.

In tabular form on a plan sheet (schedule)

- Coordinates and description of inter-visible control points.
- Coordinates of all items of work requiring field staking.
- Benchmark information shall be provided on each sheet.

2.7 Assist the City with easement(s) acquisition, and obtain property owner contact information, prepare easement and ROW exhibits as necessary, provide copies of current deeds on properties where easements are needed, conduct property owner meetings for easement and ROW acquisition, and document acquisition meetings.

2.8 Prepare and send informational letter to residents of Wildwood Subdivision and other specific properties as directed by City to inform residents of impending construction.

- 2.9 Prepare and submit Final Review Opinion of Construction Costs.
- 2.10 Submit Final Design Documents for Final Review. Provide two (2) copies and a PDF version of the finalized Project Design Report, Provide three (3) copies and a PDF version of the Final Design Services submittal. The submittal shall consist of complete plans, specifications, contract documents, and opinion of probable construction cost to the City of Rapid City's project manager for review. The Final Design Services submittal will be made to the City when the consultant believes the plans, specifications, contract documents, and opinion of probable construction cost are 100% complete.
- 2.11 Attend Final Review Submittal meeting with City staff.
- 2.12 Address 100% final review submittal staff comments as necessary.
- 2.13 Prepare any and all permits with exhibits the City will need to execute for the project.
- 2.14 Identify permits that will be required for the Contractor. Identify permit costs and indicate if any permit costs are paid for directly by the owner or if it is a Contractor cost. Typically all permit costs are the Contractor's obligation.
- 2.15 Prepare final "Engineer's Estimate" of probable construction cost for the project.
- 2.16 Deliver the following final submittals:
- Provide one (1) copy and a PDF version of bid documents including complete plans, specifications, and Engineer's Estimate of probable construction cost to the City of Rapid City's project manager for City distribution.
 - Provide complete plans on CD compatible with AutoCAD Release 2008 or newer format.
 - Provide all topographic, control, and design points in the .dwg file and in tabular format, both on CD and on hard copy printout.
 - Provide complete specifications and contract documents on CD in Microsoft Word XP or previous versions.
 - Provide a unit price cost estimate on CD in Microsoft Excel XP or previous version on the City of Rapid City "Engineer's Estimate" form. Provide Engineer's Estimate of probable construction costs as a component of this submittal.
 - Print and distribute five (5) copies of plans/drawings to the City of Rapid City at 11" x 17" scale for construction services personnel.

All submittals (drawings and specifications) believed by the Engineer of Record to be a final, shall contain a Certification Statement of Conformance with City Standards which shall read, "I (insert Engineer of Record's name) Certify that I have read and understand the provisions contained in the City of Rapid City Standard Specifications for Public Works Construction, current edition and the City of Rapid City's adopted Design Criteria Manuals. The drawings and specifications contained here within, to the best of my knowledge, were prepared in accordance with these documents or a properly executed exception to the Standard Specifications and/or Infrastructure Design Criteria Manual has been secured". This statement shall appear on the title sheet of the drawings and on the first page of specifications after the cover sheet. The "Certification Statement of Conformance with City Specifications" shall be signed and dated by the Engineer of Record.

- 2.17 The City will submit plans and specifications to the Department of Environment and Natural Resources for approval, and the Consultant shall address any comments or corrections required.

TASK 3 – BIDDING SERVICES:

This task consists of all services necessary for the administration of the Bidding Services of the project, and may include the following itemized services.

- 3.1 Submit sufficient information to the City of Rapid City project manager for completion of City Advertising Authority form.
- 3.2 Consultant shall proof print quality at printers before full production of copies are made.
- 3.3 Arrange and conduct a Pre-bid Conference. Record attendance and minutes. Distribute minute copies to only Consultant and City.
- 3.4 Prepare and issue addenda to the bid documents as required.
- 3.5 Review Bidder's Proposals and review and sign the City Engineering Services prepared Bid Tab, and prepare an award recommendation letter to the City of Rapid City project manager.

EXHIBIT B
TASK SCHEDULE-ESTIMATED MAN-HOURS AND FEES
WILDWOOD DRIVE RECONSTRUCTION
Project No. 13-2118 / CIP No. 50453

FMG, INC. - 2/26/2014

TASK 1 - PRELIMINARY DESIGN SERVICES		
1.1	Kickoff Meeting (2 Meetings Required)	\$ 440.00
1.2	Collect and Review Background Information	\$ 1,340.00
1.3	Perform Site Surveys	\$ 12,665.00
1.4	Initial Meeting with Individual Property Owners to discuss ROW/easements/specific project issues and components/occupancy (10)	\$ 2,200.00
1.5	Perform Geotechnical Investigation	\$ 6,000.00
1.6A	Conceptual Design Report	\$ 15,795.00
1.6B	Conceptual Design Drawings	\$ 8,970.00
1.7	Attend Submittal Review Meeting with City Staff	\$ 600.00
1.8	Reimbursables, Printing, Supplies, Mileage, Expendables for Prelim Design	\$ 750.00
TOTAL FOR TASK 1-PRELIMINARY DESIGN		\$ 48,760.00

TASK 2 - FINAL DESIGN		
2.1	Address City Comments/Task 1 Final Review and Finalize Design Report	\$ 3,030.00
2.2	Determine Removal Limits with City Project Manager	\$ 570.00
2.3	Coordinate with Geotechnical Engineer	\$ 110.00
2.4	Coordinate with Utility Companies/Notify City Project Manager if private utilities need relocation	\$ 440.00
2.5	Submit Design Exception Requests	\$ 220.00
2.6	Provide Complete Plans and Specifications	\$ 28,610.00
2.7	Assist with Easement Acquisition/Exhibit Preparation	\$ 4,500.00
2.8	Informational Letter to Wildwood Subdivision of Impending Construction	\$ 210.00
2.9	Final Review Opinion of Construction Costs	\$ 3,040.00
2.10	Submit Final Design Documents for final review	\$ 620.00
2.11	Attend Submittal Review Meeting with City Staff	\$ 980.00
2.12	Address 100% Submittal Staff Comments	\$ 1,050.00
2.13	Identify Permits and Exhibits The City needs	\$ 220.00
2.14	Identify Contractor Required Permits	\$ 220.00
2.15	Prepare Final "Engineer's Estimate" of Probable Cost	\$ 575.00
2.16	Deliver Final Plans and Bid Documents	\$ 480.00
2.17	Address DENR Review Comments	\$ 220.00
2.18	Reimbursables, Printing, Supplies, Mileage, Expendables	\$ 250.00
TOTAL FOR TASK 2-FINAL DESIGN		\$ 45,345.00

TASK 3 - BIDDING SERVICES		
Task 3	Bidding Phase	
3.1	Information to City for Advertising Authority	\$ 110.00
3.2	Proof Print Quality at Printers	\$ 220.00
3.3	Prebid Meeting/Minutes	\$ 660.00
3.4	Prepare and Issue Addenda	\$ 1,190.00
3.6	Bid Tabulations, Review and Recommendation	\$ 465.00
TOTAL FOR TASK 3-BIDDING PHASE		\$ 2,645.00

TOTAL ALL TASKS 1 - 3		\$ 96,750.00
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EXHIBIT C

FMG ENGINEERING

RATE SCHEDULE

FOR

WILDWOOD DRIVE RECONSTRUCTION PHASE 1

PROJECT No. 13-2118 / CIP No. 50453

TASKS 1, 2, AND 3

<u>PERSONNEL</u>	<u>RATE</u>
Professional Engineer – Principal	\$135.00/hr
Professional Engineer – Senior Engineer	\$110.00/hr
Design Engineer – PE	\$80.00/hr
Design Engineer – EIT	\$70.00/hr
Computer Drafting Technician	\$65.00/hr
Registered Land Surveyor	\$80.00/hr
Survey Crew	\$125.00/hr
Clerical	\$50.00/hr
<u>VEHICLES & EXPENSES</u>	
Mobilization (support vehicle)	\$0.70/mile
Travel Costs - air, lodging, transport, meals, etc.	cost
Document/Plans Reproduction	cost