

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

Date: December 9, 2009

Project Name & Number: St. Patrick Street Siphon Odor Control Facility Project SS09-1825

CIP #:50774

Project Description: Design a facility to mitigate existing sewer odors.

Consultant: HDR Engineering, Inc.

Original Contract Amount: \$31,488.00

Original Contract Date: 12/22/09

Original Completion Date: 3/19/10

Addendum No:

Amendment Description:

Current Contract Amount: _____

Current Completion Date: _____

Change Requested: _____

New Contract Amount: _____ \$0.00

New Completion Date: _____

Funding Source This Request:

\$31,488.00	833	4223	604	
\$31,488.00	Total			

Agreement Review & Approvals

Keith Johnson 12/7/09
Project Manager Date

[Signature] 12/7/09
Compliance Specialist Date

Paul Land 12/8/09
City Attorney Date

[Signature] 12-7-09
Division Manager Date

[Signature] 12-8-09
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	12/9/09	[Signature]	Y N
Cash Flow			Y N

**Agreement Between City and HDR Engineering, Inc. for
Professional Services for St. Patrick Street Siphon Odor Control Facility
Project No. SS09-1825 / CIP No. 50774**

AGREEMENT made December 22, 2009, between the City of Rapid City, SD (City) and HDR Engineering, Inc., (Engineer), located at 3820 Jackson Boulevard Suite 1 Rapid City, South Dakota 57702. City intends to obtain services for St. Patrick Street Siphon Odor Control Facility, Project No. SS09-1825, CIP No.50774. 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, such consent shall not be unreasonably withheld.
- 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 \$31,488.00 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 March 19, 2010.

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 reasonable attorneys' fees to the extent they arise 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

HDR Engineering, Inc.

DATE: _____

DATE: _____

ATTEST:

FINANCE OFFICER

Reviewed By:

Keith Johnson, PROJECT MANAGER

DATE: _____



EXHIBIT A

SCOPE OF ENGINEERING SERVICES**PHASE 1 - ST. PATRICK STREET SIPHON
ODOR CONTROL FACILITY
PROJECT NO. SS09-1825 CIP 50774****PROJECT DESCRIPTION**

HDR will provide services related to providing an odor control study including alternative investigation and life cycle cost analysis with a Design Report recommending an appropriate odor control facility for the St. Patrick Street Siphon structure. It is anticipated that future phases of this project will likely follow Phase 1 and include the final design of the odor control facility, bidding services, and construction administration.

It is anticipated that Phase 1 of the project will include the following:

1. Evaluate the existing manholes and inlet/outlet vaults at the siphon and the corrosion that has occurred at those structures. Include corrosion protection elements with the new system as to not adversely impact the structural elements of the existing siphon facility.
2. Provide an odor study which determines the odor characterization and odor levels at the siphon and in the sanitary sewer mains.
3. Develop alternatives to address the odor problem of the facility including mechanical, chemical, remote facilities upstream and localized facilities.
4. Provide recommendation for type of odor treatment facility that should be constructed. The location of the facility may or may not be constructed immediately adjacent to the siphon, as determined by the odor study. Analysis and recommendation shall include life cycle cost analysis for improvements.

It is anticipated that Future Phases of the project will include the following:

1. Final Design and Plan Production for the recommended odor treatment facility including a structure to house the equipment including SCADA interface with water reclamation (if needed). All flood plain, ADA, parking, site improvement requirements, and other applicable issues shall be included in the design.
2. Basic and Expanded Construction Services.

BACKGROUND INFORMATION

Background information to be provided to HDR includes City of Rapid City GIS maps, Burns & McDonald Utility Master Plan, St. Patrick Street Siphon Odor Control Study and Odor Management Strategy prepared by Advanced Engineering and Environmental Services, Inc., City of Rapid City benchmark data, City of Rapid City water, sanitary sewer and storm sewer maps for the immediate area, the City of Rapid City historical bid tabulation/cost data, and plans of existing facilities.

DESIGN CRITERIA

Design criteria for the projects shall include the current edition of the following items: City of Rapid City Draft Design Criteria manuals; City of Rapid City Standard Specifications, current edition; City of Rapid City Drafting Standards; South Dakota Department of Environmental Resources Standards; Ten States Standards as adopted and supplemented by SDDENR; the International Building Code; and Regional Wastewater Facilities supplemental design criteria. Conflicts between design criteria documents shall be resolved in favor of the more stringent requirement. Other documents and references may be proposed for use and requires written concurrence by the Project manager and may require "Exceptions" per City exception process.

PROJECT SCHEDULE

Phase 1 Contract Approval	December 21, 2009
Notice to Proceed with Design	December 22, 2009
Preliminary Design Draft Report Submittal	February 25, 2010
Preliminary Design Final Report Submittal	March 19, 2010
Future Phases Contract Submittal	To be determined
Final Design	To be determined
Project Bid Opening Date	To be determined
Project 100% Construction Complete	To be determined

The Consultant shall allow 15 working days for City review of the Project Design report. The schedule for Phase 2 Engineering Services will be determined from the recommendations provided in the Design Report and formalized during Phase 2 contract negotiations.

SCOPE OF SERVICES – PHASE 1

TASK 1 - PRELIMINARY DESIGN SERVICES:

This task consists of all services necessary to take the project from beginning through the Preliminary Design Report submittal stage including the following itemized services.

- 1.1 Project Management and Administration.
- 1.2 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.
- 1.3 Review of Existing Facilities and Conditions. Collection and analysis of background information listed in the RFP and any other resources as necessary.
- 1.4 Project Design Report: The consultant shall prepare and submit Project Design Report including the following items:
 - Establish and indicate project specific design criteria and standards
 - Evaluate and determine flood plain issues
 - Identify ADA, parking, and site requirements
 - Investigate existing utilities and proposed connections
 - Evaluate potential to the existing SCADA system and requirements
 - Include all design assumptions for design life, design criteria, and reference design resources.
 - Evaluate alternatives and provide a recommendation for the type of odor control method and equipment.
 - Provide justification for the facility and analysis of alternatives.
 - Evaluate the City Draft Utility Design Criteria Manual and Supplemental Criteria for Liftstations to establish design criteria and standards.
 - Evaluate alternatives and provide a recommendation for the type of structure for odor control facility (if required).
 - Submit three (3) copies of the Project Design Report and preliminary plans and specifications to City of Rapid City's project manager for review and comment.
- 1.5 Private Utility Coordination. The consultant contact respective local utility companies to identify any possible conflicts within the project area. Coordination will also include discussing proposed connections for power and water service on the recommended facility.
- 1.6 Perform Site Survey. Detail to be sufficient for design plan preparation and the route and topography survey shall be tied to at least two City of Rapid City Monument Control system monuments utilizing State Plane coordinates.
- 1.7 Identify right-of-way (ROW) and permanent and temporary construction easements acquisition needs. Including size and extent of such ROW and easements and contact information of property owners.
- 1.8 Prepare preliminary opinion of probable construction costs for the project. The evaluation shall include a capital cost and probable a life cycle cost analysis for proposed alternatives.
- 1.9 Alternative Workshop. The consultant shall coordinate and conduct a workshop with associated city employees to discuss treatment alternatives, city preferences, and to gain consensus on evaluation procedures.

- 1.10 Prepare conceptual design drawings including locations of existing and new facilities.
- 1.11 Project Design Report review meeting: The consultant shall meet with City staff to present the Draft Design Report and discuss all questions and comments. The consultant shall prepare an agenda, take minutes, and distribute minutes.
- 1.12 Address City comments from the Draft Report Review and finalize Project Design Report.
- 1.13 Provide three (3) copies of the finalized Project Design Report.
- 1.14 Attend Public Works and Council meetings as necessary.
- 1.15 QA/QC.
- 1.16 Project Submittals shall include:
 - Kick-off Meeting Minutes
 - Draft Project Design Report
 - Design Report Review Meeting Minutes
 - Final Project Design Report
 - Contract with Scope and Fee for Phase 2 Engineering Services

**EXHIBIT B
CITY OF RAPID CITY - ST PATRICK STREET SIPHON ODOR CONTROL FACILITY PROJECT
PHASE 1 - ENGINEERING FEE ESTIMATE**

Labor Category	Manhour Total	Labor Total	Expense Total
Task 1 - Preliminary Design Services			
1.1 Project Management and Administration	23	\$2,154	\$235
1.2 Project Kick-off Conference	6	\$722	\$322
1.3 Review of Existing Facilities & Conditions	4	\$498	\$15
1.4 Project Design Report	84	\$9,797	\$311
1.5 Private Utility Coordination	6	\$521	\$22
1.6 Site Survey	34	\$2,701	\$726
1.7 Right of Way and Easement Needs	7	\$620	\$26
1.8 Alternative Cost Estimates	14	\$1,621	\$52
1.9 Alternative Workshop	12	\$1,387	\$344
1.10 Conceptual Design Drawings	28	\$2,764	\$104
1.11 Design Report Review Meeting	7	\$859	\$326
1.12 Address City Review Comments	5	\$582	\$19
1.13 Provide Project Design Report	6	\$484	\$122
1.14 Attend City Council Meetings	5	\$582	\$19
1.15 QA / QC	8	\$1,263	\$30
1.16 Project Submittals	20	\$2,187	\$74
Task 100 Subtotal	269	\$28,743	\$2,745
TOTAL	269	\$28,743	\$2,745

\$28,743
\$2,745
\$31,488

EXHIBIT C
SCHEDULE OF PAY RATES

HDR ENGINEERING, INC.

FEE SCHEDULE

**PHASE 1 of 2 – PRELIMINARY DESIGN REPORT ENGINEERING SERVICES
FOR St. PATRICK STREET SIPHON ODOR CONTROL FACILITY
City of Rapid City, South Dakota**

The following fee schedule is the 2010 Billable Rate Fee Schedule for HDR Engineering, Inc. This fee schedule and the hourly rates shown apply to the above referenced project. In instances where an individual not listed below may work on the project, the billing rate will be prior submitted to the City.

<u>EMPLOYEE – DISCIPLINE</u>	<u>BILLING RATE/HR</u>
Dan Graber – Project Principal	\$208.75
Jody Page – Project Manager	\$111.60
Al Erickson – Wastewater Engineer	\$137.58
Chris Bailey – Project Engineer	\$ 74.40
TJ Yerdon – Project Engineer	\$ 89.56
Brian Jensen – Land Surveyor/Survey Crew Chief	\$ 86.76
Dana Salonen – Survey Tech.	\$ 61.88
Rich Liggett – CADD	\$ 83.70
J. Mike Coleman – QA/QC	\$149.11
Carla Schwebach – Accounting / Admin	\$ 72.79
Jen Hauck – Word Processing/Clerical	\$ 42.44

DIRECT EXPENSES

Vehicle Mileage	\$ 0.550/Mile
Technology Charge	\$ 3.70/Hour

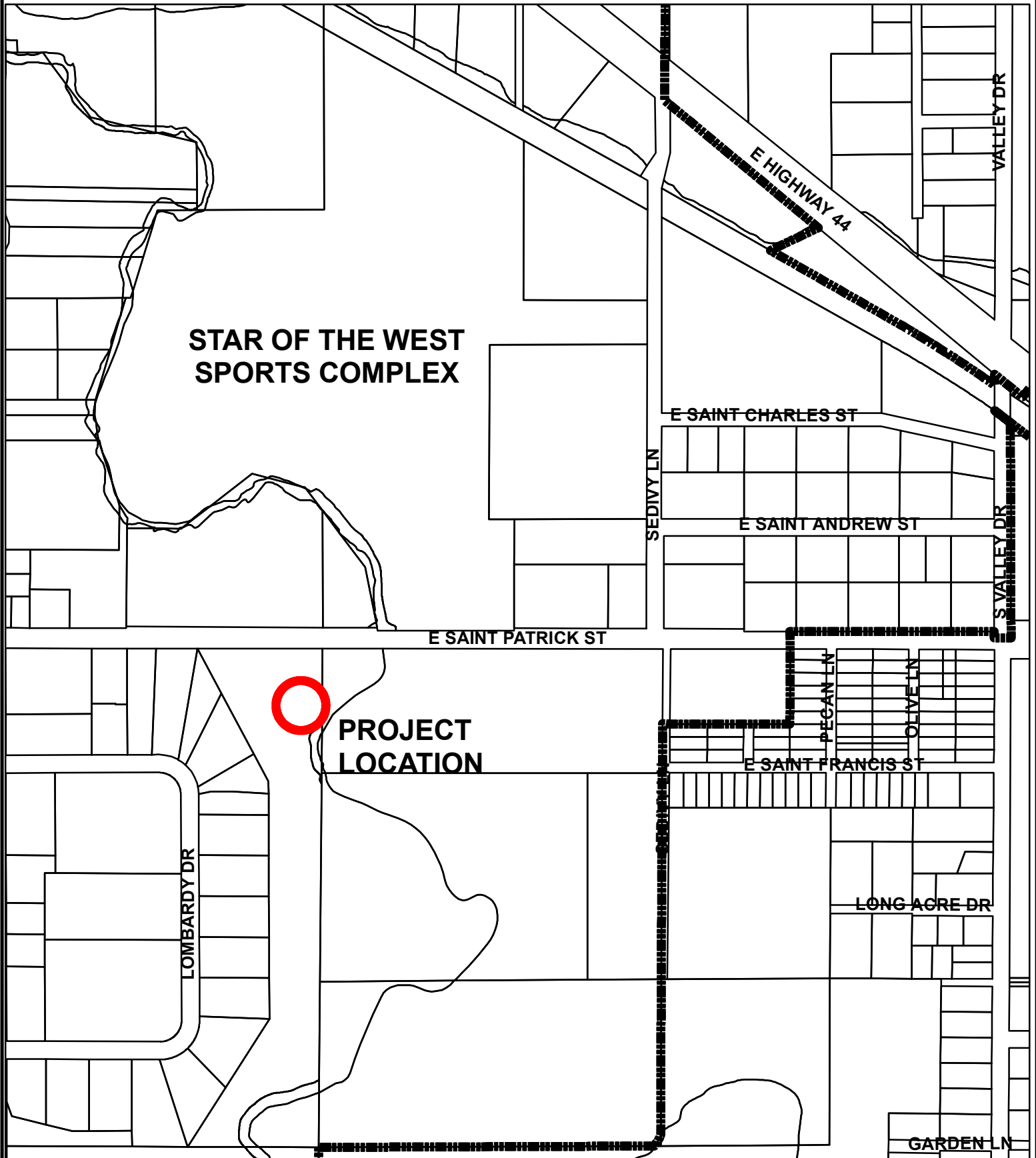
OTHER REIMBURSABLE EXPENSES

Reimbursable expenses shall mean the actual expenses incurred directly or indirectly in connection with the project for transportation travel, subconsultants, telephone, fax, shipping and express, and other incurred expenses.

EXHIBIT "A"

PW121509-09

SCALE 1" = 500'



SAINT PATRICK STREET SIPHON ODOR CONTROL FACILITY

PROJECT NO. SS09-1825 CIP # 50774 Item #9