

LINCOLN COUNTY DEPARTMENT OF PUBLIC WORKS

CHEMICAL AND BIOLOGICAL
REMEDATION SERVICES

REQUEST FOR PROPOSALS



LINCOLN COUNTY DEPARTMENT OF PUBLIC WORKS
27234 SR 25 N
DAVENPORT, WA 99122

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Prospective Consultants

SUBJECT: Request for Proposals (RFP) for Chemical and Biological Remediation Services

INVITATION: Lincoln County Department of Public Works (County) invites the submittal of proposals from qualified consultants to provide environmental services consisting of chemical and biological remediation and groundwater monitoring to be performed at the South Wilbur Petroleum Contamination Site located in Wilbur, Washington (Site). This RFP provides general information and requirements issued to complete a proposal with itemized cost estimates for services. These Services shall commence after a contract is approved by the Board of County Commissioners for Lincoln County.

ADDITIONAL INFORMATION: Copies of the Cleanup Action Report; Groundwater Monitoring Reports; and Ecology's 5-Year Periodic Site Review are available upon request. See Project Contact Below.

Instructions and format to be used in preparing the proposal are included in this RFP.

The schedule for this RFP will be as follows:

Questions Due No Later Than 3:00 p.m. February 22, 2013

PROPOSAL RESPONSE DEADLINE: 3:00 p.m. Friday March 1, 2013

Late submittals will not be accepted.

Questions regarding this RFP and all document submittals shall be directed to:

Phil Nollmeyer
Operations/Permits
Lincoln County Department of Public Works
27234 SR 25 N
Davenport, Washington 99122
Telephone (509) 725-7041
Email: pnollmeyer@co.lincoln.wa.us

Lincoln County hereby notifies all proponents that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated for or against on the grounds of race, color, sex or national origin, in consideration for an award.

SUBMITTING PROPOSALS

Proposals can be submitted by email to:

Phil Nollmeyer – pnollmeyer@co.lincoln.wa.us

Or, by mail (on a compact disc preferred) to:

ATTN: Phil Nollmeyer
Operations/Permits
Lincoln County Department of Public Works
27234 SR 25 N
Davenport, Washington 99122

Proposals must be received by the County on or before **3:00 p.m. Friday March 1, 2013** in order to be considered.

EVALUATION OF PROPOSALS

Evaluation of submittals will be based first on cost. Although costs are given primary and significant consideration during evaluation, each proposal will also be evaluated relative to the assurances and demonstrated success of the proposed technology toward achieving project goals, and the demonstrated ability of the respondent to accomplish the required services and to perform the required work within the project period.

The County reserves the right to reject any and all bids, or bids which do not conform to the terms and conditions described in the general guidelines and specifications outlined in the RFP, based on the County's determination and evaluation of the info submitted.

Available Information

Copies of the following information are available upon request:

- *Cleanup Action Report, South Wilbur Petroleum Contamination Site.* GeoEngineers Inc., April 24, 2006.
- *2011 Annual Report – South Wilbur Site.* Budinger & Associates, February 10, 2012.
- *2011 Quarterly Groundwater Monitoring and Evaluation of Natural Attenuation.* Budinger & Associates, February 21, 2012.
- *Periodic Review, South Wilbur Petroleum Contamination Site, Wilbur, WA.* Ecology, April 2012.

PROPOSAL CONTENT

When responding to the RFP, please provide the following:

1. Cover Letter stating interest in the project with signature of duly authorized principal
2. List qualifications and experience of key personnel who would be working on this project
3. Provide references with contact information from similar projects.
4. Technology Proposed: Provide brief narrative description demonstrating your company's understanding of the environmental issues at the site and overview of the technology being proposed and assumptions and expectations for its success toward achieving project goals.
5. Scope of Work – list of work elements and assignment of responsibilities.
6. Timeline for implementing and completing the required tasks.
7. Cost Estimate detailing costs to complete all remediation work, noting assignment and/or responsibility of work elements. Include any budget control measures of your firm and proposed contractors.
8. List any expected outcomes or assurance being put forth to achieve project goal.
9. Proponent **MUST INCLUDE** "Assurances and Signature Page included in Exhibit "D" (last two pages of this document).

DELIVERABLES

The Proposal should provide a brief description of any documents that are anticipated to be deliverables for the project. At a minimum, the following project deliverable is expected:

Remedial Action Plan
Site Health and Safety Plan
Supplemental Sampling & Analysis Plan
Quarterly/Annual/Finial Monitoring Reports as necessary

This RFP requires two (2) hard copies of each report in print and two (2) copies in electronic format on compact disc at the completion of each project phase. All maps and table must be printed legibly.

INTRODUCTION

Lincoln County Department of Public Works (County) invites the submittal of proposals from qualified consultants to provide environmental services consisting of chemical and biological remediation and groundwater monitoring to be performed at the South Wilbur Petroleum Contamination Site located in Wilbur, Washington (Site). Any proposed *in situ* chemical and biological remedial technology must be able to perform in a low permeability environment and have the ability to affect soils beneath buildings to address residual contaminants.

This RFP provides general requirements issued to complete a proposal to include itemized cost estimates for services. These Services shall commence after a contract is approved by the Lincoln County Board of County Commissioners.

Budinger and Associates are currently under contract with Lincoln County to complete the quarterly monitoring sample collection at the site. It is anticipated that the successful completion of a project proposal will consist of work completed (shared) in part by Budinger and County Forces.

The County anticipates entering into agreements that provide for a project consisting of assignment of work categories delegated between the proponent, proponents subcontractor(s), County Forces and Budinger, subject to Ecology approval.

Proponents are encouraged to base line item work categories toward shared responsibilities as practicable and in consideration of being in the best interest toward successful completion of the requested remediation work and project goals.

PROJECT GOAL

The Goal of this project is to provide chemical and biological remediation based on proven technologies and engineering estimates providing an order-of-magnitude level of certainty designed to achieve MTCA Method A cleanup goals in a 24 to 36 month period.

SITE HISTORY AND BACKGROUND

The Site is located approximately one block south of SR 2 in Wilbur, WA in Lincoln County. It is comprised of three separate properties: the former Washington State Department of Transportation (WSDOT) Maintenance Facility, the Lincoln County Maintenance Facility, and the former Lincoln Mutual No. 3 fueling station. It is bounded to the north by Goose Creek, to the west by the City Park, to the south by Front Avenue and a railroad yard, and to the east by Brace Street.

WSDOT operated its maintenance facility from the 1930s through the early 1970s, having USTs on site. By 1996, equipment and personnel had been relocated to a different facility, and the Town of Wilbur leased the property for equipment storage.

Lincoln County purchased the site in 2001. The Lincoln County maintenance facility was in operation from the 1930s to present. Four USTs were located on the Site storing diesel, gasoline, and waste oil. All of these tanks were decommissioned and removed between 1990 and 1992.

The former Lincoln Mutual No. 3 property was the location of a fueling station, during the period 1950 through the 1980. The property contained a fueling island, a 1,900 gallon diesel AST, and two UST's near the fueling island. Fueling operations were discontinued prior to purchase by the present owners. Currently, the Site building is used as office space and storage and the surrounding land is now paved and used for parking.

PREVIOUS SITE INVESTIGATIONS

A series of investigations have taken place on all three properties in determining the type, amount, extent, and source of the petroleum hydrocarbon contamination. All investigation reports are available at Department of Ecology's Eastern Regional Office in Spokane. Summary of the investigations are as follows:

In 1990, three UST's on the Lincoln County maintenance facility property were decommissioned. In 1992, one more UST was removed. Soil samples collected from the excavation showed diesel and benzene, toluene, ethylbenzene, and xylene (BTEX) compounds were not present above cleanup levels.

The WSDOT property was first investigated in June 1991, when soil contamination was discovered during the removal of two UST's.

In 1995, Lincoln County Highway Department completed a limited Phase II Investigation. Results for the Site showed no petroleum contamination adjacent to and just below the asphalt wash pads, to a depth of one foot below ground surface.

In February 1995, a Phase I and Phase II Environmental Site Assessment was completed for the WSDOT property. A drywell was excavated in October of 1996 and the majority of contaminated soil was removed, however, gasoline contamination was still present in the bottom and north wall of the excavation.

In July 1996, the WSDOT performed a soil and groundwater investigation. Four monitoring wells were installed on-site and soil and groundwater samples were collected. Results indicated soil was contaminated with gasoline to a depth of around 15 feet, and groundwater had concentrations of gasoline and BTEX exceeding cleanup levels.

WSDOT completed a second site characterization in May 1997 to investigate the extent of petroleum contamination beyond their property. Three additional wells were installed on the Lincoln County property. Results showed soil exceedances for gasoline, benzene, and xylene; groundwater showed levels of gasoline, BTEX, and diesel exceeding cleanup levels.

A third investigation was undertaken by WSDOT because the plume appeared to be larger than originally thought. Groundwater and soil results again showed soil contaminated with gasoline and xylene, and groundwater contaminated with gasoline, benzene, toluene, and xylene.

In 1999, Ecology completed a limited site investigation of the WSDOT property, the Lincoln County property, and the former Lincoln Mutual #3 property. Soil sampling showed gasoline contamination and groundwater samples had concentrations of gasoline, diesel, and BTEX exceeding cleanup levels on all three properties.

2001 REMEDIAL INVESTIGATION/FEASIBILITY STUDY

A Remedial Investigation/Feasibility Study (RI/FS) was completed in 2001 by Lincoln County. The RI/FS further evaluated the nature and extent of soil and groundwater contamination at all three properties comprising the Site. Results showed soil and groundwater contamination with gasoline, diesel, and BTEX at concentrations exceeding cleanup levels.

CLEANUP ACTION AGREEMENTS AND REMEDIAL ACTIONS RELEVANT TO THE SITE

Remedial actions were completed under the Cleanup Action Plan for the Site, and under Consent Decree #05-2-00143-8 between Ecology and Lincoln County. The selected remedy involved the removal of approximately 2,182 tons of petroleum-contaminated soil from three source areas in 2005. The action and removal represented all accessible contaminated soil at the Site. Once contaminated soil was removed, a slurry of oxygen-releasing compound was mixed with clean backfill and emplaced into each excavation. A barrier trench filled with the oxygen-releasing compound slurry was also emplaced at the down gradient edge of the three contaminated properties.

A phytoremediation barrier consisting of willow trees was installed at the down gradient boundary of the three contaminated properties.

Institutional controls were placed on all three properties to minimize the potential for exposure to remaining contamination. Controls included fencing to limit Site access, and deed restrictions to restrict activities that may interfere with the integrity of the cleanup action or cause an exposure to contamination.

The cleanup action required quarterly monitoring of all twelve monitoring wells at the Site. Samples were collected for all Site indicators, which included gasoline, diesel, and

BTEX. Additionally, parameters designed to track the biological breakdown of contaminants were measured, including dissolved oxygen, nitrate, ferrous iron, and sulfate.

EFFECTIVENESS OF COMPLETED CLEANUP ACTIONS

All accessible contaminated soils were removed from the Site. Due to the low permeability of Site soils, limited options to remediate contaminated groundwater were available at the time of the remedial action. The phytoremediation barrier and application of oxygen-releasing compound were intended to provide some level of groundwater remediation, by helping create an environment conducive to natural biodegradation of petroleum contaminants.

Since the sources of petroleum contamination were near buildings, it was expected that some amount of contamination remains under the buildings. This soil was not able to be excavated, yet remains as a potential ongoing source of contamination to groundwater.

The performance of the phytoremediation barrier is questionable. Due to semi-arid conditions, it has been difficult to establish the trees.

Institutional controls at the Site are in place and have proven effective in reducing exposure and protecting the integrity of the remedy.

Groundwater contaminant concentrations have been monitored quarterly since September 2006 at all eleven Site monitoring wells. MW-5 was removed during the cleanup action.

Monitoring wells MW-7, MW-8, MW-9, MW-11, and MW-12 have shown no exceedance of cleanup levels for gasoline, benzene, ethylbenzene, or xylene. Toluene has remained below cleanup levels at all the wells on-site.

MW-2 and MW-6 have the highest contaminant concentrations. MW-2 shows strongly decreasing trends for every contaminant, likely due to this well's location immediately down gradient of the excavation areas. MW-6 shows primarily increasing trends, with only diesel showing a significant decreasing trend.

MW-1 didn't have high concentrations before the cleanup action, but trends are decreasing. MW-10 shows decreasing trends for all contaminants; however, concentrations of gasoline and diesel still exceed cleanup levels. Trends at MW-3 are mixed; diesel is the only contaminant with a decreasing trend. MW-12 shows no contamination, and MW-1 shows limited to no contamination. Since these two wells are at the down gradient edge of the property, contaminants do not appear to be leaving the Site at the north and northwest Site boundaries. Trends at MW-4 do not appear to be changing and concentrations of gasoline, diesel, and benzene exceed cleanup levels.

The selected cleanup action was estimated to have a reasonable restoration time frame of 3 years. Improvements in groundwater quality have occurred, but since groundwater still exceeds cleanup levels, that time frame has not been achieved.

CURRENT AND FUTURE SITE USE

Lincoln County still owns both the County Maintenance facility and the former WSDOT maintenance facility. Both are used for the storage, maintenance, and repair of county vehicles. The use has not changed since the remedy, and is not expected to change. Upgrades have been made to the facility such as paving maintenance areas and adding connections to storm sewers. The former Lincoln Mutual #3 property use also has not changed since the remedy. The building is currently used for storage. There are no expected changes in future use of the properties.

OVERVIEW OF PROPOSED REMEDIAL ACTIVITIES

The Department of Ecology has determined the remedy at the South Wilbur Petroleum Contamination Site is generally protective of human health and the environment. Due to the very slow rate of biodegradation and the inability to meet the restoration time frame, additional technologies were encouraged to be evaluated to increase that rate. Ecology required Lincoln County to complete an evaluation of feasible technologies to be used at the site. The evaluation of available technologies has been completed and it has been determined that a plan to complete further remediation work at this site with one of the options available through new technologies may be warranted.

The information received regarding new technologies indicates a good potential for site Cleanup within a 2 year period. Review of available technologies finds it logical to consider completion of a project consisting of oxidants/dissolved oxygen and biological enhancements. Any project to be completed based solely on the claims submitted by those using the new technologies.

Lincoln County has applied for grant funds to complete further chemical and biological remediation at the site. Lincoln County has issued this Request for Proposals (RFP) to receive actual project costs estimates for completion of the remediation work. Any proposed project awarded under this RFP must be submitted to Ecology for review and approval.

ANTICIPATED SCOPE OF WORK

The activities listed in the scope of work below is the general work anticipated based on the historical environmental data obtained to date, proposed remediation outlined above, and the project goal. Detailed work elements are to be submitted with the RFP

response. Proponents are free to add line item work elements as necessary to clearly define their proposal.

- Review of Site History and Data
- Development of a Supplemental Remedial Action Plan (RAP) as required by Ecology, based on supplemental *in situ* chemical and biological remediation. Any proposed *in situ* chemical and biological remedial technology must be able to perform in a low permeability environment and have the ability to affect soils beneath buildings to address residual contamination.
- Obtain Ecology and County approval of the RAP
- Develop and submit Site Health and Safety Plan for review and approval
- Review existing Site Sampling & Analysis and Quality Assurance Plans – Revise if necessary
- Implement biological and chemical application technologies
- Sample Collection and Analysis (revised if necessary) adhering to appropriate sampling methods in consideration of data collection needs.
- Analysis and supporting report of analytical results and field activities
- Develop and submit Quarterly/Finial Monitoring Report

All work must be approved by the County and Ecology prior to implementation and be consistent with appropriate state guidelines, if applicable.

EXHIBIT A – SITE LOCATION & LAYOUT (CH2MHILL 2002)

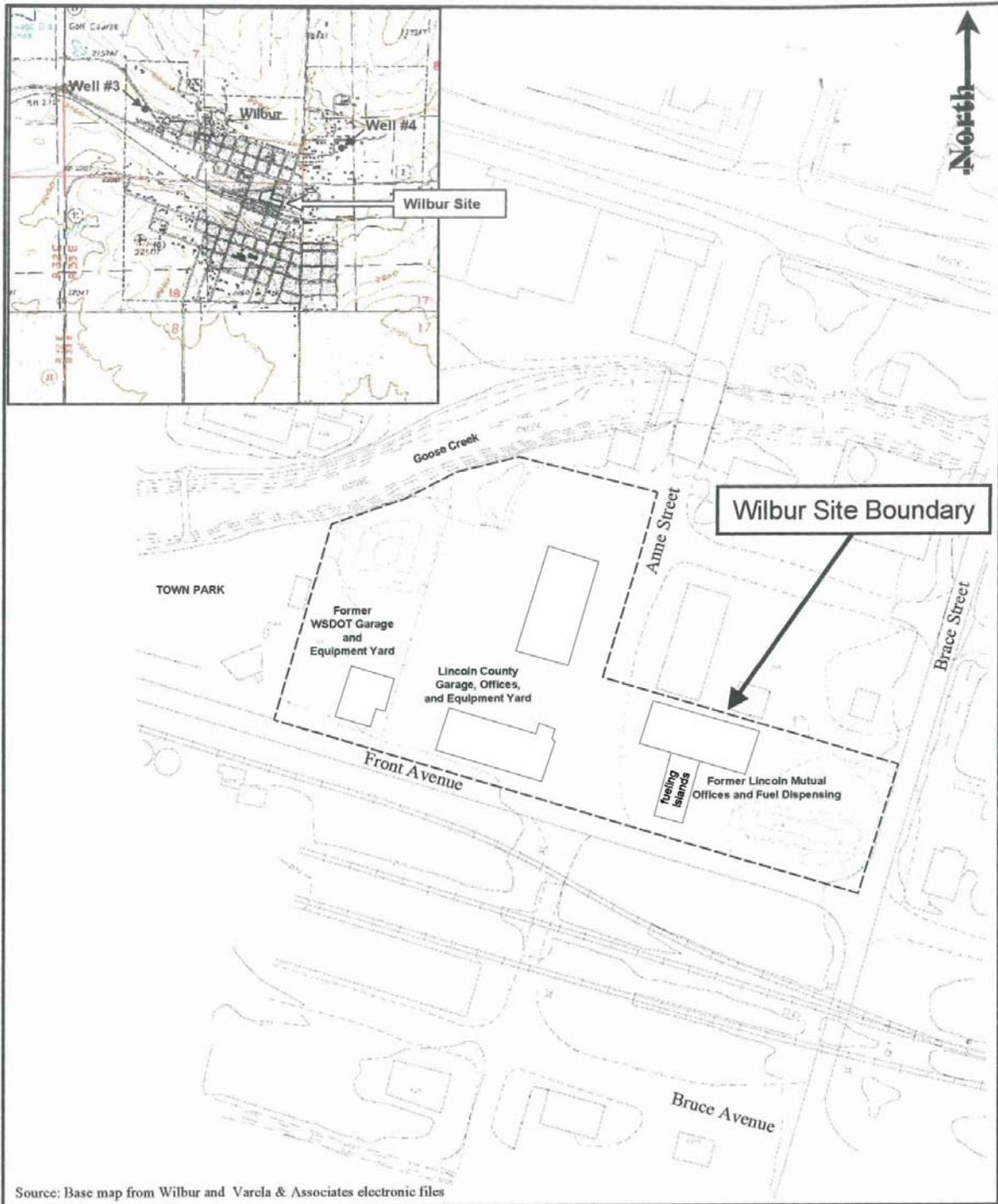


EXHIBIT B – INVESTIGATION LOCATIONS & SOURCE AREAS (CH2MHILL 2002)

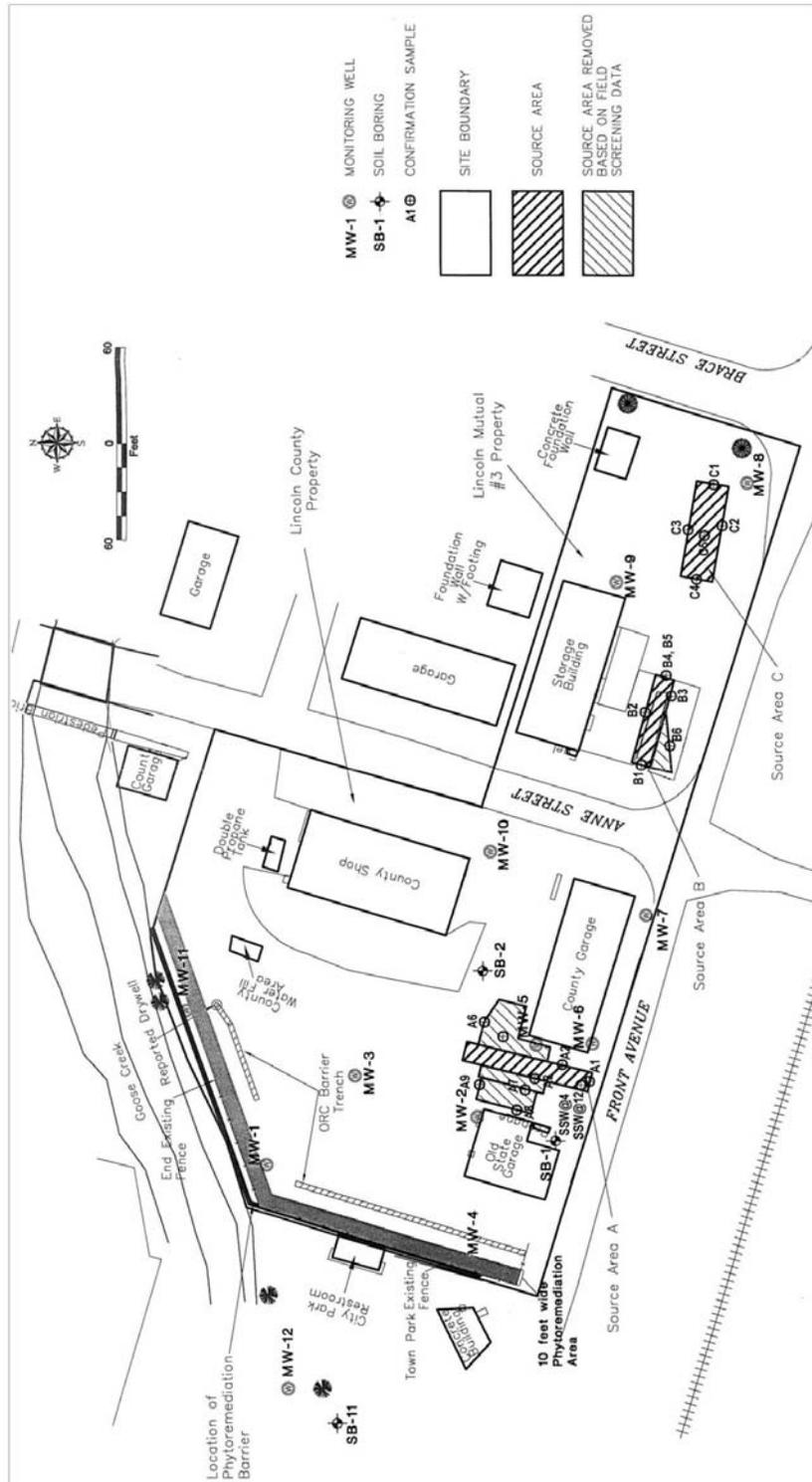


EXHIBIT C – LOCATIONS OF REMEDIAL ACTIONS (FROM GEOENGINEERS 2006)

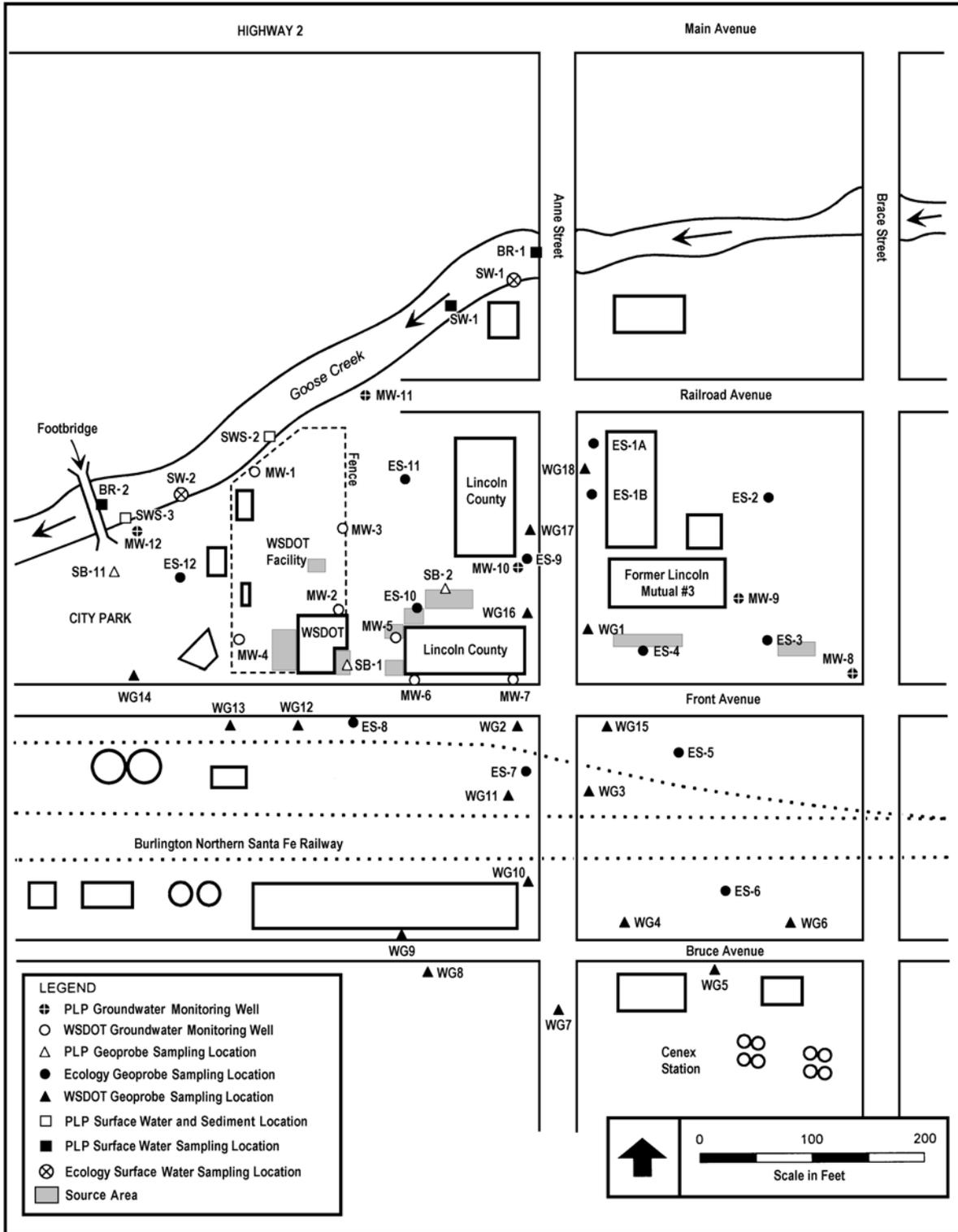


EXHIBIT D - RFP SELECTION EVALUATION FORM

SCORING GUIDELINES:

Rater's Score: Range 0 to 10

0 = not included/non responsive; 10 = Exceptionally Well Qualified;

1 to 9 = Ranging through Marginal, Adequate, Acceptable, Well Qualified.

Weighing Factor (%) – Ranging from 10% to 35% as indicated.

Total score = Sum of all weighted scores.

Firm Name	Evaluated By	Date

Criteria To Be Rated		Rater's Score	Weighing Factor %
A. Firm Qualifications, Experience and References	How long has the company been in business? Has the company done similar work? Level of expertise in subject matters areas?		25
B. Project Organization, Personnel and Staffing	Qualification and experience of proposed personnel for requested services? On-site availability of team and project manager? Locally based firm or team?		35
C. Project Approach, Work Plan, and Management	Quality of proposed work plan to meet project requirements? Quality of project management?		20
D. Rates, Fees and Budget Control	Competitive rates and fees proposed? Are proposed budget management, fees and staff hours proposed and clearly defined?		10
E. Quality and Responsiveness of the Proposal	Is the proposal clear and understandable? Does the proposal meet all of the RFP requirements?		10

Note: Score with 1 point = Least, 10 points - Most

EXHIBIT E – DECLARATIONS & SIGNATURE PAGES

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report such activities.

The “hotline” is part of US DOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the US DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Proposal – Signature Page

NOTE: If the Proponent is a Corporation, this proposal must be executed by its duly authorized official(s).

In compliance with Chapter 39.34.030(5)b RCW a public notice for this solicitation for bids has been posted on Lincoln County’s website:
<http://www.co.lincoln.wa.us/Public%20Works/projectbids.htm>

ADDITIONAL ASSURANCE AND CERTIFICATIONS

The proponent hereby certifies that he/she will comply with all assurances and certifications issued by Lincoln County, and conform to all applicable state and federal laws.

The proponent is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

DATED this _____ day of _____ 2013

PROPOSAL MUST BE SIGNED →

Signature of Authorized Official(s)

Please Print Name of Authorized Official(s)

Firm

Address

City, State, Zip Code,

Telephone

State of Washington Contractor’s License No. _____

Federal ID No. _____