55TH CIVIL ENGINEER SQUADRON

PROJECT SPECIFICATIONS

FINAL DESIGN DOCUMENTS
100% SUBMITTAL

REPAIR GAS MAIN/VALVES BASE-WIDE

OFFUTT AFB, NE

OFFUTT AFB PROJECT SGBP-06-0023
LRA PROJECT NO. 0106067.01-101
MAY 20, 2008

REGISTERED PROFESSIONAL ENGINEER
SCOTT W. AUSTIN, P.E.
E-5979
5-20-08
STATE OF NEBRASKA

Lamp, Rynearson & Associates, Inc.

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REPAIR GAS MAIN/VALVES BASE-WIDE
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1. PRINCIPAL FEATURES. The work covered by these specifications and accompanying drawings consists of furnishing all plans, labor, materials, tools, and equipment necessary in performing all operations in connection with this contract.

2. SCOPE. In general, the principal features of the work are outlined but not limited to this paragraph. Unless otherwise indicated, it is not the intent of this listing to include technical data for materials or the installation of these materials.

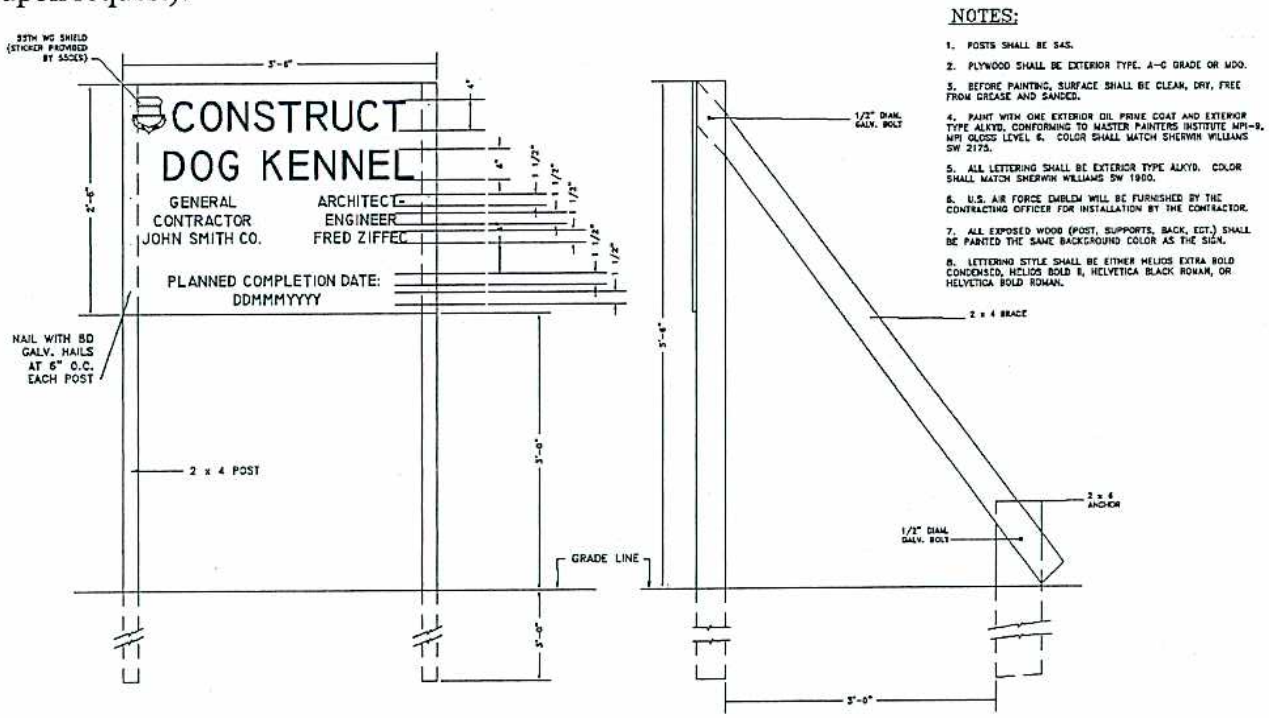
3. OCCUPANCY. During construction, the Government may occupy the existing facilities. The contractor shall not restrict pedestrian or vehicular traffic to these facilities and shall coordinate construction with the Government Construction Representatives to minimize conflicts and to facilitate usage. The contractor shall perform the work so as not to interfere with ongoing

operations.

4. TEMPORARY SERVICES. The contractor shall provide and maintain any temporary services, including but not limited to water, power, lighting, access provisions, fire extinguishers, weather or security enclosures, and temporary dust partitions. Remove temporary services when the use of services is no longer needed.

5. CONSTRUCTION TRAILER USE/IDENTIFICATION. The location of any trailer/temporary building, etc. used during a contract period shall be approved by the Chief of Construction Management [(402) 294-5084] prior to installation or delivery to the base (allow 7-10 days for this approval to be processed). For security, safety, and/or emergency notification purposes, each trailer/building, etc. must be prominently marked, identifying the contractor and providing telephone number(s) for a point of contact during both duty and non-duty hours. Use either sign(s) or permanent markings, professional in appearance, as determined by the Government Construction Representative. Maintain and keep neat in appearance each trailer and its immediate area.

6. CONSTRUCTION SIGN. The contractor shall provide a project construction sign if directed by the Contracting Officer. The sign shall be constructed as follows (a larger drawing is available upon request):



U.S. AIR FORCE PROJECT SIGN DETAIL
NOT TO SCALE

7. GROUNDS MAINTENANCE / SNOW REMOVAL. The contractor is responsible for maintaining the construction site in a manner that is safe and provides a clean and neat appearance. This includes keeping trash picked up, keeping vegetation shorter than 4" and keeping roadways and sidewalks free from snow and ice.

8. CONTRACTOR DAILY LOGS. The Contractor shall maintain current records providing factual evidence that required quality control activities and/or tests have been performed. These records shall include the work of subcontractors and suppliers and shall be on an acceptable form that includes, as a minimum, the following information:

a. Contractor/subcontractor and their area of responsibility.
b. Operating plant/equipment with hours worked, idle, or down for repair.
c. Work performed each day, giving location, description, and by whom. When Network Analysis (NAS) is used, identify each phase of work performed each day by NAS activity number.
d. Test and/or control activities performed with results and references to specifications/drawings requirements. The control phase shall be identified (Preparatory, Initial, Follow-up). List of deficiencies noted, along with corrective action.
e. Quantity of materials received at the site with statement as to acceptability, storage, and reference to specifications/drawings requirements.
f. Submittals and deliverables reviewed, with contract reference, by whom, and action taken.
g. Offsite surveillance activities, including actions taken.
h. Job safety evaluations stating what was checked, results, and instructions or corrective actions.
i. Instructions given/received and conflicts in plans and/or specifications.
j. Contractor's verification statement.

These records shall indicate a description of trades working on the project; the number of personnel working; weather conditions encountered; and any delays encountered. These records shall cover both conforming and deficient features and shall include a statement that equipment and materials incorporated in the work and workmanship comply with the contract. The original and one copy of these records in report form shall be furnished to the Contracting Officer's Representative on the first day of the week following the date(s) covered by the report, except that reports need not be submitted for days on which no work is performed. As a minimum, one report shall be prepared and submitted for every 7 days of no work and on the last day of a no work period. All calendar days shall be accounted for throughout the life of the contract. The first report following a day of no work shall be for that day only. Reports shall be signed and dated by the contractor's Superintendent. The report shall include copies of test reports and copies of reports prepared by all subordinate quality control personnel.

9. UTILITY SERVICE INTERRUPTIONS.

a. The contractor shall submit written notification not less than 14 calendar days (unless

waived by the Government Construction Representative) in advance of each interruption of each utility and communication service to or within existing buildings and facilities being used by others and new facilities in use and possession prior to completion. No single outage will exceed 4 hours unless approved in writing. The contractor shall describe the work to be done, the desired time, date, and duration of the outage. No work shall be done until approval is received from the Government Construction Representative. All utility outages will be conducted during non-duty hours. The time and duration of all outages will be coordinated through the Government Construction Representative. All utility service interruptions shall be kept to a minimum. In order to minimize interruption durations, the contractor shall make every attempt to complete maximal preparation prior to each utility interruption.

b. All overhead utility pole removal, relocation, and/or bracing shall be accomplished by OPPD. The contractor shall coordinate any work within 5 feet of any utility pole with OPPD. The OPPD point of contact is Jim Krist at 402-636-3530. Any required stand off charges for bracing, pole relocates, or required overhead changes to ensure safety of property and personnel shall be at the contractor expense.

10. TESTING. All material sampling and testing as required in the specifications or as required by the Government Construction Representative and retest required due to failure of original test shall be performed by a laboratory or laboratories employed by the contractor at no additional cost to the Government.

11. DELIVERY AND STORAGE OF MATERIAL. The contractor shall use only established roadways, entrances, and exits as prescribed by the Government Construction Representative. Materials and equipment shall be stored only in designated areas, and shall be transported directly to and from the construction site under strict regulations as prescribed by the Government Construction Representative. Materials quantity receipt shall be given to the Government Construction Representative upon delivery of materials to job site. All items of stored materials, containers, vehicles and other equipment shall be removed from the base prior to final payment.

12. TRAFFIC ROUTING DURING CONSTRUCTION. In order to reduce confusion and provide the best possible flow of traffic during construction, the contractor shall closely coordinate his work schedule with the Government Construction Representative.

a. The contractor shall notify the Government Construction Representative at least fourteen (14) calendar days before closing any traffic lanes, blocking streets, or otherwise changing traffic routes.

b. The contractor shall be responsible for providing, placing, maintaining, relocating, and removing all traffic control devices required for construction. All traffic control shall comply

with the requirements of the Manual on Uniform Traffic Control Devices (latest edition).

c. Traffic control plans shall be submitted prior to the start of any project work and shall allow a minimum of two weeks for approval prior to the intended date of implementation. All changes to the plan must be updated and submitted to the Government a minimum of two weeks before implementation.

d. Traffic control shall be considered a cost incidental to the project.

13. PROTECTION, PATCHING AND REPAIRING. All holes, damaged finishes, exposed unfinished surfaces or any damage caused by work under this contract shall be repaired at no additional cost to the Government. Restore exposed finishes of patched areas where directed by the Government Construction Representative. Extend finish restoration into adjoining areas in a manner that will eliminate evidence of patching and refinishing.

14. VEGETATION AND LANDSCAPING. Contractor shall remove any existing building perimeter vegetation and landscaping including mulches and gravel to permit completion of the work. Contractor shall restore all vegetation and landscaping to original condition before completing work as approved by the Government Construction Representative. Replace any existing vegetation or landscaping damaged by work under this contract. When seeding a disturbed area, only S-31 single or S-32 double straw matting, or approved equal should be used.

15. FIRE PROTECTION CONSTRUCTION CRITERIA. The contractor will be required to comply with the provisions of National Fire Protection Act 241 entitled "Building Construction and Demolition Operations," including Appendix A. The contractor shall make themselves knowledgeable and comply with the fire protection requirements of Offutt AFB Supplement 1 to Air Force Instruction 32-2001, "Fire Prevention and Fire Protection," to apply during the construction period. The contractor shall furnish and maintain required fire extinguisher(s) during the construction period and shall remove the extinguisher(s) upon project completion.

16. TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER This clause specifies the procedure for the determination of time extensions for unusually severe weather. In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

(1) The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.

(2) The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the contractor.

(3) The following schedule of monthly anticipated adverse weather delays is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations. The contractor's progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities.

MONTHLY ANTICIPATED ADVERSE WEATHER DELAY
WORK DAYS BASED ON (5) DAY WORK WEEK

JAN	12	JUL	8
FEB	10	AUG	6
MAR	7	SEP	7
APR	7	OCT	5
MAY	9	NOV	7
JUN	8	DEC	11

(4) Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract, the contractor will discuss the occurrence of adverse weather and resultant impact to normally scheduled work with the 55 CES Construction Inspector on the day they believe to be an adverse weather day. If the Construction Inspector concurs that it is an adverse weather day, he will log that on the AF 1477. The contractor must contact the Construction Inspector on the adverse weather day or it will be assumed they completed their scheduled work and an adverse weather day will not be counted. Actual adverse weather delay days must prevent work on critical activities for 50 percent or more of the contractor's scheduled work day. The number of actual adverse weather delay days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day of each month, and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of days anticipated in paragraph (3) above, the contracting officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair weather work days, and issue a modification.

17. CLEAN UP. Clean up of all items shall be accomplished by the end of each day. Debris, trash, and items removed and to be disposed of shall be removed from the work site and storage areas at the end of each day's work and disposed of outside the confines of the construction areas, in a contractor provided area. The contractor will also be responsible for cleaning mud, rock, and debris deposited by the contractor's, sub-contractor's, or supplier's vehicles from all roads in the construction areas used by these vehicles.

18. WELDING. Welding within the building will be permitted. The contractor shall obtain the proper welding permit and coordinate welding regulations with the Base Fire Department.

19. BELOW GROUND GPS SURVEY. The Offutt Drafting / Survey Office is responsible for conducting a GPS survey of all below ground features including, but not necessarily limited to the following: Structural corners, Electrical Utilities, Water Utilities, Wastewater Utilities, Storm Sewer Utilities, Natural Gas Utilities, POL/Fuel Utilities, and Communication Utilities. During construction, the Drafting / Surveying Office will conduct GPS surveys to record locations for all structures and existing utilities lines to be abandoned in place and to record all locations of all existing lines exposed during construction and all new building foundations, utility tap points, elbows, joints, tees, valves, etc. The Contractor is required to give verbal notice to a the Construction Inspector and speak to a Drafting / Surveying Office staff member a minimum of 1 day in advance of burying any below grade features. If the contractor buries below grade structures that need to be surveyed without the 1 day notice, they will be responsible for exposing the structure so the survey can be conducted. The Drafting / Survey Office phone number is 402.294.3296, The Drafting / surveying office mailing address is 106 Peacekeeper Drive Suite 2n3 (upper floor Martin Bomber Building in CE Drafting). The Base collecting this info does not exempt the contractor from having to provide complete and accurate information on their as-constructed drawings.

20. WEATHER TIGHTNESS. Contractor shall provide for each building unit to be fully weather tight at the end of each working day.

21. USE OF UTILITIES. All reasonable quantities of utilities will be made available to the contractor without charge if available. Any temporary connections or lines that may be required will be installed, maintained, and removed by the contractor at his own expense and in a manner satisfactory to the Government Construction Representative. Outside power connections to the exterior utility system shall be accomplished by the local utility and all fees shall be included in the contractor bid. Removal of such connections or lines will be accomplished before final acceptance of the construction. If utilities are not available the contractor is responsible for providing any temporary utilities required (generator, fuel tanks, water tanks, etc.) as part of the base bid and at no additional cost to the government.

22. WORK SCHEDULE. Working hours for the contractor will normally be between the hours of 7:30 a.m. and 5:00 p.m., excluding Saturdays, Sundays, and Federal holidays. If the contractor wishes to work during periods other than above, additional Government inspection forces may be required. The contractor must request permission from the Contracting Officer to work during periods other than above sufficiently in advance to allow assignment of additional inspection forces when the Government Construction Representative determines that the additional inspection force is reasonably available. If such force is reasonably available, the Contracting Officer may authorize the contractor to perform work during periods other than normal duty hours/days.

23. SECURITY REQUIREMENTS. The contractor will be working in a secure area and will abide by all applicable rules and regulations. The contractor will coordinate with the appropriate government representative for government escorts to be present while working on the job site.

a. Listing of Employees. The contractor shall maintain a current listing of employees. The list shall include the employee's name, driver's license number and AF 75 number. The list shall be provided to the Contracting Officer and Construction Inspector. The list shall be updated within a week when an employee's status or information changes.

b. Security Training. The contractor shall ensure all employees receive initial and recurring security education training from the sponsoring agencies security manager if required. Training must be conducted IAW DOD 5200.1-R, Information Security Program Regulation, and AFI 31-401, "Information Security Program Management". Contractor personnel who work in Air Force controlled/restricted areas must be trained IAW AFI 31- 101, The Air Force Installation Security Program.

c. Pass And Identification and Base Entry. An Air Force Form 75 (AF 75), Visitors Pass is required for all employees and vehicles. The AF 75 will be issued IAW OAFBI 31-101, section 8.5.11. The contractor shall ensure the pass and identification items required for contract performance are obtained and renewed (as required) for employees and non-government owned vehicles. Contractors shall access the base using the contractor gate (south entrance) and are subject to vehicle search. Contractors will be responsible for escorting all material trucks required for the project from the contractor gate to the job site and back off base. Escort privileges must be included in the AF 75 request for an individual to be an escort.

d. Retrieving Identification Media. The contractor shall retrieve all government identification media, including vehicle passes from employees who depart for any reason before the contract expires; e.g. terminated for cause, retirement, etc. The contractor must turn in badges for all employees under the contract for final payment to be made.

e. For Official Use Only (FOUO). The contractor shall comply with DoD 5400.7-R, Chapter 4, DoD Freedom of Information Act (FOIA) Program, requirements. This regulation sets policy and procedures for the disclosure of records to the public and for marking, handling, transmitting, and safeguarding FOUO material.

f. Reporting Requirements. Contractor personnel shall report to an appropriate authority any information or circumstances of which they are aware may pose a threat to the security of DOD personnel, contractor personnel, resources, and classified or unclassified defense information. Contractor employees shall be briefed by their immediate supervisor upon initial on-base assignment.

g. Physical Security. The contractor shall be responsible for safeguarding all government property and controlled forms provided for contractor use. At the end of each work period, all government facilities, equipment, and materials shall be secured.

h. Controlled/Restricted Areas. The contractor shall implement local base procedures for entry to Air Force controlled/restricted areas where contractor personnel will work. An AF Form 2586, Unescorted Entry Authorization Certificate, must be completed and signed by the sponsoring agencies Security Manager before a Restricted Area Badge (RAB) will be issued. Not all workers will require a RAB, only supervisors and/or shift foremen will require restricted access and will have escort authority for other employees. Contractor employees must have submitted a National Agency Check (NAC) and have a favorable local files review before receiving a Restricted Area Badge. Access shall be granted IAW AFI 31-501, Personnel Security Program Management.

i. Key Control. (The contractor shall establish and implement methods of making sure all keys issued to the contractor by the Government are not lost or misplaced and are not used by unauthorized persons. The contractor shall not duplicate any keys issued by the government.

1) The contractor shall immediately report to the Quality Assurance Evaluator (QAE) or Program Manager any occurrences of lost or duplicated keys.

2) In the event keys, other than master keys, are lost or duplicated, the contractor may be required, upon written direction of the contracting officer, to re-key or replace the affected lock or locks without cost to the government. The government may, however, at its option, replace the affected lock or locks or perform re-keying and deduct the cost of such from the monthly payment due the contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the government and the total cost deducted from the monthly payment due the contractor.

3) The contractor shall prohibit the use of keys, issued by the government, by any persons other than the contractor's employees and the opening of locked areas by contractor employees to permit entrance of persons other than contractor employees engaged in performance of contract work requirements in those areas.

j. Explosives or Fire Arms: The contractor shall NOT use or possess explosives or fire arms.

k. Routes: The contractor shall use only established roadways, entrances, and exits as prescribed by the Government Construction Representative.

l. Locations: The contractor's employees shall be restricted to areas within the contract scope plus direct routes to and from the site from off base.

m. Seat Belts: The use of seat belts by all vehicle and equipment occupants is required at all times while in vehicles and movable equipment.

n. Parking: The Contractor's employees shall park only in areas designated by the Chief of Construction Management for this purpose.

o. Vehicle Emblems: The contractor's commercial vehicles shall display emblems indicating the company name.

24. CONFINED SPACE ENTRY. The Contractor shall comply with 29 CFR 1910.146 for permit required Confined Space Entry requirements. Details and information pertaining to confined space entry are contained within the OSHA Standard.

Confined space entry shall include an entrance into a space that is large enough and so configured that an employee can bodily enter and perform assigned work, has limited or restricted means for entry or exit (e.g., tanks, vessels, silos, storage bins, hoppers, vaults, boilers, and pits are spaces that may have limited means of entry/exit) and is not meant for continuous human occupancy.

a. The contractor is required to ensure that a contractor generated confined space entry permit has been generated and is available on site for the duration of each permit required confined space entry. A permit is required to enter a confined space that has one or more of the following conditions:

(1) Contains or has a potential to contain a hazardous atmosphere.

(2) Contains a material that has the potential for engulfing an entrant.

(3) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly conferring walls or by a floor that slopes downward and taper to a smaller cross section.

(4) Contains any other recognized serious safety or health hazard.

b. All confined spaces shall be considered permit required spaces until pre-entry procedures demonstrate otherwise. Testing and classification of confined spaces will be done by a qualified person employed by the contractor who is trained in the operation of direct reading oxygen, flammability, and toxicity monitoring equipment prior to each confined space entry. Initial testing of confined spaces shall be performed by drop test or insertion of sample probes and hoses into the space.

c. Each Contractor who is retained to perform permit space entry operations is allowed entry only through compliance with a permit space program meeting the requirements of 29 CFR 1910.146.

(1) The Base Civil Engineer will appraise the contractor of the elements, including hazards identified and what experience with the space that make the space in question a permit space.

(2) The Base Civil Engineer will appraise the contractor of any precautions or procedures that have been implemented for the protection of employees in or near the permit spaces where the contractor personnel will be working.

(3) Coordinate entry operations with Base Civil Engineer personnel when government and Contractor personnel will be working in or near permit spaces.

(4) Inform the Government of the permit space program that the Contractor will follow and of any hazards confronted or created in permit spaces whether through a briefing or during the entry operation.

(5) At the conclusion of entry operations, the contractor will notify the Base Civil Engineer regarding any hazards confronted or created in permit spaces during entry operations.

(6) Copies of contractor generated Permit Required Confined Space Entry Permits will be provided to 55th Wing Safety and the appropriate squadron with responsibility for the space for the purposes of confined space history. The permits will remain on file for a minimum of one calendar year from the date of entry.

d. The contractor is responsible to ensure their personnel are fully trained and certified to perform confined space duties. The Air Force is not responsible to train contractor employees on confined space entry program or procedures, conduct atmospheric or soils testing.

e. Coordinate entry operations and procedures with the Base Civil Engineering and agree upon the permit space entry system to be used when both organizational and contractor personnel will be working in a permit required confined space.

e. Review emergency rescue responsibilities to determine whether the contractor supplies rescue or if the installation fire department is expected to supply a rescue function. Ensure the fire chief coordinates on the contract and either approves or disapproves the use of a rescue team if supplied by the installation fire department.

25. AIRSPACE COORDINATION.

a. The contractor is responsible for completion and submittal of FAA Form 7460 to the Federal Aviation Administration for construction activities which may affect the airspace for Offutt Air Force Base. Obstacle survey accuracy code information shall also be provided. The contractor shall furnish a copy of both the submitted and approved Form 7460 to the Contracting Officer's Representative. Coordination with the FAA shall be at no additional cost to the Government. The contractor's project schedule shall allow time for this coordination during the contract's performance period.

b. An Airfield Construction Waiver is required prior to any construction within the airfield fence. Coordinate with the contracting officer to facilitate completion and submission of the waiver by government personnel. This may be a long lead item and the contractor shall schedule accordingly.

26. MOBILE PHONE. The contractor's site representative (superintendent or foreman), throughout the execution of the project, shall be accessible via a mobile phone. The number to the phone shall be local and provided to the Contracting Officer prior to the start of work. The contractor is informed that mobile phone usage without a hands-free device while driving on base is prohibited. Personnel violating this regulation may be cited.

27. CONSTRUCTION PERMITS.

a. Digging Permits: The contractor will be responsible for coordinating a government supplied, Base Civil Engineer Work Clearance Request (AF Form 103) prior to performing digging of any type. The contractor shall process the digging permit by coordinating with and obtaining signatures from responsible representatives of the organizations listed on the AF Form 103 prior to obtaining final approval from the Air Force Base Civil Engineer or his approved representative. The area requested for clearance for each individual permit shall be limited to a maximum of two (2) weeks production for an individual permit. The contractor will be given assistance, by the government, in the execution of the initial Work Clearance Request. Thereafter, government assistance will be limited to an as-needed basis in the event of unusual circumstances. It will be the contractor's responsibility to coordinate the completion of the necessary AF Form 103 and arrange to have existing utilities located as indicated on the completed form, prior to the beginning of digging operations in the individual areas. This coordination is anticipated to take approximately three (3) working days to complete per request, and may require coordination with as many as twenty (20) individuals located on or near the base. A blank copy of the AF Form 103 can be obtained from the construction inspector. Any unusual delay in obtaining approval from any particular organization will be reported immediately to the Contracting Officer Representative for assistance. The contractor must comply with the four contractor responsibilities on the back of the AF Form 103, including maintaining a copy of the AF Form 103 on the job site while working.

b. Utility Staking Requirements: The contractor shall layout and mark his intended area(s) of excavation before calling for field coordination by utility personnel. This shall be done a minimum of five working days in advance of when digging is expected to begin. Once all responsible utility representatives have field located crossover and/or interference points between the new utility route and existing utilities, and signed off on the digging permit to signify completion of the field coordination of the digging permit, then digging in the area represented by the digging permit may begin. Any utility service markers or markings established by the utility representatives must be maintained by the contractor through the completion of the digging operations.

c. Digging Operations: Digging near established interference or crossover points shall be done by hand, five (5) feet either side of the point along the intended route, in order to prevent disturbing the existing utility. If the existing utility is uncovered in the new excavation, it shall be protected from damage and movement while in the open excavation and during backfill. The contractor shall be responsible for the repairs and associated costs for repairs of any utility damaged by construction, whose location was made known to the contractor.

d. National Pollutant Discharge Elimination System (NPDES) Permits for Construction Activities. See Section 1C.

e. NPDES Permit for Dewatering Operations: See Section 1C.

28. EXISTING CONDITIONS. The plans represent the best available information at the time they were prepared. While every effort has been made to correctly show all major existing items which will affect the work, it is recommended that prospective bidders examine the site prior to submitting a bid. The Contractor shall verify all measurements at the site and shall be responsible for dimensions and proper installation of all materials. No additional payment will be made for extra work required by obstacles which were in place and clearly visible at the time of bidding.

29. TEMPORARY TOILETS. The Contractor shall provide and maintain sanitary temporary toilets for all work accomplished in and adjacent to project. These toilets shall be located as directed by the Contracting Officer. The temporary toilets shall be portable, enclosed and weatherproofed and kept in a sanitary condition at all times.

30. CONTRACTOR DAMAGES. Areas not identified to be removed/worked under this contract that are disturbed or damaged during construction shall be removed and replaced at no additional cost to the Government.

31. SENSITIVE INFORMATION. The contractor, his employees, subcontractor personnel, and supplier personnel shall treat all information about the project specifically and about the surrounding military facilities in general as sensitive and proprietary and with confidentiality. The contractor, his employees, subcontractor personnel, and supplier personnel shall share

project and base information with others only on a need to know basis and only in support of the project. The contractor, his employees, subcontractor personnel, and supplier personnel shall discard printed information generated incidental to the project only after shredding.

32. DISCREPANCY. In case of discrepancies within the contract documents in regards to work requirements, the greater quality and quantity indicated shall control in resolving discrepancies.

33. SOD RESTORATIONS. Except where seeding is indicated elsewhere in the construction documents, the contractor shall sod all areas which he disturbs incidental to construction. He shall maintain the new sod for a minimum of three weeks after setting. Maintenance shall include providing at least one inch of water twice per week. Any new sod that is not vigorously growing after the maintenance period shall be removed and replaced by the contractor with new at no additional cost to the government. Each time sod is removed, the maintenance requirement shall restart at no additional cost to the government.

34. FINAL ACCEPTANCE INSPECTION. Upon completion of all of the work, the contractor shall coordinate in writing with the Contracting Officer's Representative for a final acceptance inspection. Prior to scheduling the Final Acceptance Inspection, the contractor shall write a Punch list that shows all work the contractor believes must still be performed, including any remaining items from the deficiency list. The Punch list shall also contain the contractor's expected date of completion for each item and a column for actual completion date. The contractor shall add any items found to be deficient during the Final Acceptance Inspection and forward the Final Punch List to all attendees of the Final Inspection. The contractor shall provide a copy of the punch list and a list of all AF 75s issued for this contract as attachments when requesting the Final Acceptance Inspection.

35. REMOVALS. The Government shall have the right of first refusal in regards to all items indicated for removal. The government may chose to retain ownership on an exception basis of any removal item up until the time at which the contractor disturbs the item. Generally, however, the government will surrender ownership of all removal items. Removal items shall become the property of the contractor and removed from Offutt AFB by him on a daily basis.

36. GOVERNMENT ACCESS. Government officials will have access to all parts of the project at all times for inspection purposes.

37. COORDINATION.

a. WEEKLY MEETINGS. The contractor shall hold weekly coordination meetings. He shall prepare an agenda for each meeting. The agenda shall include but not be limited to the contractor's description of the previous week's accomplishments, the coming week's anticipated construction challenges and a schedule updated weekly that projects major construction

operations through time to the end of construction. He shall begin the meeting at the same place on the project site each week. He shall hold the meeting at the same time each week such as at 9:00 a.m. on Tuesdays. He shall coordinate the time and location during the preconstruction meeting with the Contracts Officer Representative such as to maximize convenience for the government representatives who may need to attend. These will include the Contracting Officer's Representative and the Civil Engineering Project Manager and Construction Inspector.

b. OTHER PROJECTS: The contractor shall be fully responsible for coordinating his operations with those of any other construction, renovation, repair, or maintenance projects in the vicinity. Coordination shall include but not be limited to vehicle access, movement of equipment, security, installation and removal of utilities, storage and parking.

c. SINGLE POINT OF CONTACT. The contractor shall designate one primary and one alternate employee who will be on the site at all times while work is in progress to serve as the government's single point of contact for matters of daily concern. The single point of contact shall serve as the contractor's safety officer, environmental compliance officer and EEO officer and shall generally exercise authority over all of the contractor's employees and subcontractors. The contractor shall route all submittals through the single point of contact. An appointment letter for these individual's shall be submitted within 10 days of the Notice to Proceed and be updated prior to any personnel changes.

d. OFFUTT AIR SHOW. The contractor shall not be allowed to work during the annual Offutt Air Show. This is generally a three day weekend (Fri-Sat-Sun) event normally held once per year in the month of August. It is heavily advertised to the public each year beginning in June.

e. NOTIFICATION OF DELAYS. The Contractor shall provide prior notification to the Contracting Officer's Representative in writing, when he plans to stop work for a period of more than four days. The prior notification shall indicate proposed dates of the stoppage.

f. COORDINATION OF GOVERNMENT FURNISHED ITEMS. The contractor is responsible for providing a schedule and coordinating requirements for all items identified as Government Furnished Contractor Installed (GFCI) and Government Furnished Government Installed (GFGI) on the contract drawings. This includes coordinating the location and placement of blocking for the attachment of these items, power and communications jack locations, etc.

38. OCCUPATIONAL, SAFETY AND HEALTH ACT. Contractors shall comply with OSHA 1926, Construction Standards and the portions of OSHA 1910 Standards that are applicable to construction. The U.S. Army Corps of Engineers Manual EM 385-1-1, shall be used in the absence of guidance in OSHA standards.

39. CONTRACT PROGRESS SCHEDULE.

a. AF Form 3064. An AF Form 3064 is required for a contractor to get paid for work. The AF Form 3064 must be submitted and approved prior to the start of any work on the project. The AF Form 3064 cannot be approved without the approved submission of the Contract Progress Schedule, below. When writing the AF Form 3064 two items must be included / scheduled at the conclusion of the contract. These items are:

1. Project Close-out – 5%
   a. Payment for this line requires the receipt and approval of all non-approved or non-furnished submittals that are owed to the government including as-constructed drawings.
2. AF Form 75 Turn-in – 3%
   a. All base passes must be accounted for. 100% accountability is required for payment of this line.

b. Contract Progress Schedule. The contract progress schedule must be an MS Project compatible Gant chart outlining all major aspects of the project and the timeline. Hardcopy submissions are usually acceptable for approval and at the weekly coordination meetings but the MS project file must be provided upon request of the Government. The initial Contract Progress Schedule must be approved prior to the start of any work on the project.

40. DEFICIENCY LIST. The contractor shall maintain an up to date list of all construction deficiencies found. This list shall include all deficiencies found including items identified by contractor personnel or the Government. The list shall include the date the deficiency was identified and after the work is complete, the date corrected. The item can be removed from the list once the 55 CES Construction Inspector has verified that the deficiency has been corrected. This list shall be provided for discussion during the weekly coordination meeting.

41. TERMITE TREATMENT REPORTING If termite treatment is required, the contractor must submit a DD Form 1532-1 to the Government Construction Inspector by the first day of the month following any month a termite treatment, or other pest control chemical, is applied. The form must be completely filled out including the type of chemical and quantity applied.

END OF GENERAL CONDITIONS

SECTION 1B

GENERAL CONDITIONS - SHOP DRAWINGS/SUBMITTALS

INDEX

1. Shop Drawings
2. Deviations
3. Submittals
4. As-Constructed Drawings
5. Record Shop Drawings/Guarantees
6. Transfer and Acceptance of Military Real Property DD Form 1354
7. Contractor Provided Specifications

1. SHOP DRAWINGS: In accordance with the CONTRACT PROVISIONS, and within 30 days after Notice to Proceed, the Contractor shall submit to the Contracting Officer for approval, in the quantities indicated on AF Form 66 Schedule of Material of Submittals, complete shop drawings of materials and equipment to be incorporated in the work. Shop drawings shall include catalog number, cuts, diagrams, drawings and such other descriptive data as may be required by the Contracting Officer. Shop drawings on component items forming a system, or that are interrelated, shall be submitted at one time as a single submittal in order to demonstrate the items have been properly coordinated and will function properly as a system. A notation shall be made on each shop drawing submitted as to the item's specific use, either by the particular type number reference on the drawings; or in the specifications: by a reference to the applicable paragraph of the specifications, or by a description of its specific location.

2. DEVIATIONS: Shop drawings shall represent the equipment and material requirements as specified herein and on the drawings. Where shop drawings deviate from the specifications or drawings, the Contractor shall inform the Contracting Officer in writing and clearly indicate the deviations and the reasons therefore. Such deviations shall be evaluated and, if accepted, will be processed as a modification to the contract. The contract specifications and drawings shall govern over shop drawings, even though approved by the Government, where the Contractor has not identified a deviation to the Contracting Officer. In such cases, the Contractor will be required to comply with the contract specifications and drawings at no additional cost to the Government.

3. SUBMITTALS: Shop drawings, samples, letters, certificates, etc., shall be submitted for, but not limited to the items listed in each section of the specifications. Submittals in addition to those listed, may be required by the Contracting Officer. The AF form 66 summarizes contained within the construction documents summarizes the required project submittal items, but may not be complete.

4. AS-CONSTRUCTED DRAWINGS: The contractor shall maintain, and have on site for review at all times, a separate set of full-scale Contract Drawings marked-up to fully indicate as-constructed conditions. All variations from the Contract Drawings, for whatever reason, including those resulting from the use of optional materials, shall be indicated. These variations shall be shown in the same general detail utilized in the initial Contract Drawings. After the Building Occupancy inspection is conducted the contractor will have 90 days to edit the AutoCAD drawings provided by the Government to accurately reflect the as-constructed conditions. These drawings must be printed on 4 mil (0.004") thick drafting film (also known as mylar), with a single- or double-matte finish and be plotted on an electrostatic or laser plotter which meets the standards of the Library of Congress for archival stability. The revised as-constructed drawings, in AutoCAD format, must also be submitted on CD. Government personnel shall

review the as-constructed drawings to determine whether they are correct and complete. If not, they shall be returned to the contractor for additional updating until they are satisfactory to the government. Final payment shall not be made prior to satisfactory completion.

5. RECORD SHOP DRAWINGS/GUARANTEES: Record shop drawings submitted upon completion of the work under this contract shall be suitably bound and labeled with project name and number. Include therein a list of all equipment items specified to be guaranteed or which have separate manufacturer's guarantees accompanied by a copy of each specific guarantee and the name, address and telephone number for the manufacturer, supplier/distributor and installer.

6. TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY DD FORM 1354: The contractor shall accurately complete and provide a DD Form1354 current edition for the project. A draft copy shall be submitted for review 30 days prior to project completion. After review, a copy will be returned to the contractor to incorporate any comments and to produce the Interim 1354. The Interim 1354 must be complete to schedule the final inspection and the Government shall receive a copy at the conclusion of the final inspection. The contractor has 30 days after the final inspection to complete the final 1354 and submit it to the government. He shall do this both electronically and in hard copy. The DD Form 1354 is a form to document quantities and transfer military real property from contractor control to the government control. The 55CES/CEC Project Manager can provide a sample of a previously completed form upon request.

7. CONTRACTOR PROVIDED SPECIFICATIONS: In the event that there is a disagreement regarding referenced specifications (such as by ASTM, AWWA, AASHTO, NSF, ANSI, UBC, etc.) it shall be the responsibility of the contractor to purchase and submit copies of the specifications over which there is disagreement.

8. CONTRACTOR PROVIDED DOCUMENTS for LBP AND ASBESTOS: Contractor will be required to submit all relative documents for corrective action when Lead Base Paint or Asbestos is scheduled to be removed from the respective project.

SCHEDULE OF MATERIAL SUBMITTALS
(AF Form 66 Modified)

PROJECT NO	PROJECT TITLE	SOLICITATION/CONTRACT NO.
SGBP 06-0023	Repair Gas Main/Valves Base-Wide	

TO BE COMPLETED BY PROJECT ENGINEER											TO BE COMPLETED BY CONTRACT ADMINISTRATOR								
		NO. OF COPIES REQUIRED																	
LINE NUMBER	ITEM OR DESCRIPTION OF ITEM, CONTRACT REFERENCE, TYPE OF SUBMITTAL	CERTIFICATION OF COMPLIANCE AND CLOSEOUT	SHOP DRAWINGS	SAMPLES	COLOR SELECTION	MANUFACTURER'S RECOMMENDATIONS	MANUFACTURER'S WARRANTY	CATALOG DATA	OTHER MATERIAL or DATA	OPERATING INSTRUCTIONS	REQUIRED SUBMITTAL DATE	DATE RECEIVED IN CONTRACTING	DATE TO CIVIL ENGR.	RETURN SUSPENSION DATE	FOLLOW-UP	DATE CONTRACTOR NOTIFIED		CONTRACTOR RESUBMITTAL	FINAL APPROVAL	REMARKS
																APPROVED	DISAPPROVED			
1	Material Safety Data Sheets. Sec 1C, Para 1.2								7		See Spec									CEV Appoval Required
2	Hazardous Material Storage Plan. Sec 1C, Para 1.4								4		See Spec									CEV Appoval Required
3	Spill Reporting Sec 1C, Para 1.5								4		See Spec									CEV Appoval Required
4	Hazardous Material Usage. Sec 1C, Para 2								4		See Spec									CEV Appoval Required
5	Certificate of Haz Waste Training. Sec 1C, Para 3.1								4		See Spec									CEV Appoval Required
6	Certification Employee HW Training Sec 1C Para 3.1								4		See Spec									CEV Appoval Required
7	Request for Disposal Sec 1C, Para 3.4								4		See Spec									CEV Appoval Required
8	Test Results1C Para 3.4								4		See Spec									CEV Appoval Required
9	Petroleum Container Storage Plan Sec 1C Para 4.2								4		See Spec									CEV Appoval Required
10	Report of Waste Water Discharges Sec 1C Para 5								4		See Spec									CEV Appoval Required
11	NPDES CSW-NOI and SWPPP Sec 1C, Para 6.1								4		See Spec									CEV Appoval Required
12	NPDES CSW Permit. Sec 1C, Para 6.1								4		See Spec									CEV Appoval Required
13	NPDES CSW Reports Sec1C, Para 6.3								4		See Spec									CEV Appoval Required
14	SWPPP for <1Acre Sec 1C, Para 6.5								4		See Spec									CEV Appoval Required
15	NPDES NOI Dewatering Sec 1C Para 7								4		See Spec									CEV Appoval Required
16	NPDES Dewatering Permit Sec 1C, Para 7								4		See Spec									CEV Appoval Required
17	NPDES Permit Requirements Sec 1C, Para 7								4		See Spec									CEV Appoval Required
18	NPDES Dewatering Permit Disposal Method Sec 1C, Para 7								4		See Spec									CEV Appoval Required
19	Material Delivery Receipt Sec 1C, Para 8								4		See Spec									CEV Appoval Required
20	Nonhazardous Solid Waste Diversion Sec 1C, Para 10								4		See Spec									CEV Appoval Required

SCHEDULE OF MATERIAL SUBMITTALS
(AF Form 66 Modified)

PROJECT NO	PROJECT TITLE	SOLICITATION/CONTRACT NO.
SGBP 06-0023	Repair Gas Main/Valves Base-Wide	

TO BE COMPLETED BY PROJECT ENGINEER												TO BE COMPLETED BY CONTRACT ADMINISTRATOR								
		NO. OF COPIES REQUIRED																		
LINE NUMBER	ITEM OR DESCRIPTION OF ITEM, CONTRACT REFERENCE, TYPE OF SUBMITTAL	CERTIFICATION OF COMPLIANCE AND CLOSEOUT	SHOP DRAWINGS	SAMPLES	COLOR SELECTION	MANUFACTURER'S RECOMMENDATIONS	MANUFACTURER'S WARRANTY	CATALOG DATA	OTHER MATERIAL or DATA	OPERATING INSTRUCTIONS	REQUIRED SUBMITTAL DATE	DATE RECEIVED IN CONTRACTING	DATE TO CIVIL ENGR.	RETURN SUSPENSION DATE	FOLLOW-UP	DATE CONTRACTOR NOTIFIED		CONTRACTOR RESUBMITTAL	FINAL APPROVAL	REMARKS
																APPROVED	DISAPPROVED			
28	Photographs or Video 02230 Sec 1.4 Para A								4		See Spec									CEV Appoval Required
29	Record Drawings 02230 Sec 1.4 Para B								4		See Spec									CEV Appoval Required
30	Product Data 02751 Sec 1.3 Para A								4		See Spec									CEV Appoval Required
31	PE Pipe and Fittings 02553 Sec 1.4 Para A1								4		See Spec									CEV Appoval Required
32	Steel Pipe and Fittings 02553 Sec 1.4 Para A2								4		See Spec									CEV Appoval Required
33	Service Regulators 02553 Sec 1.5 Para A3								4		See Spec									CEV Appoval Required
34	Service Meters 02553 Sec 1.5 Para A4								4		See Spec									CEV Appoval Required
35	PE Valves 02553 Sec 1.5 Para A5								4		See Spec									CEV Appoval Required
36	Tracer Wire 02553 Sec 1.5 Para A6								4		See Spec									CEV Appoval Required
37	Shop Drwgs - Serv. Piping 02553 Sec 1.5 Para B		4								See Spec									CEV Appoval Required
38	Welding Certificates 02553 Sec 1.5 Para C								4		See Spec									CEV Appoval Required
39	Field QC Tests 02553 Sec 1.5 Para D								4		See Spec									CEV Appoval Required
40	O & M Data- Serv. Regs. 02553 Sec 1.5 Para E1								4		See Spec									CEV Appoval Required
41	O & M Data- Serv. Meters 02553 Sec 1.5 Para E1								4		See Spec									CEV Appoval Required
42	NFPA 54 and 70 02553 Sec 1.5 Para F								4		See Spec									CEV Appoval Required
43	Design Mix 02741 Sec 1.4 Para B								4		See Spec									CEV Appoval Required
44	Material Test Reports 02741 Sec 1.4 Para C								4		See Spec									CEV Appoval Required
45	City of Omaha Std. Specs. 02741 Sec 1.4 Para D								3		See Spec									CEV Appoval Required
46	Design Mix 02751 Sec 1.3 Para B								4		See Spec									CEV Appoval Required
47	Field Quality Control Tests 02751 Sec 1.3 Para C								4		See Spec									CEV Appoval Required
48	Product Data 02920 Sec 1.4 Para A								4		See Spec									CEV Appoval Required
49	Certification of Grass Seed 02920 Sec 1.4 Para B								4		See Spec									CEV Appoval Required

SCHEDULE OF MATERIAL SUBMITTALS
(AF Form 66 Modified)

PROJECT NO	PROJECT TITLE	SOLICITATION/CONTRACT NO.
SGBP 06-0023	Repair Gas Main/Valves Base-Wide	

TO BE COMPLETED BY PROJECT ENGINEER												TO BE COMPLETED BY CONTRACT ADMINISTRATOR								
		NO. OF COPIES REQUIRED																		
LINE NUMBER	ITEM OR DESCRIPTION OF ITEM, CONTRACT REFERENCE, TYPE OF SUBMITTAL	CERTIFICATION OF COMPLIANCE AND CLOSEOUT	SHOP DRAWINGS	SAMPLES	COLOR SELECTION	MANUFACTURER'S RECOMMENDATIONS	MANUFACTURER'S WARRANTY	CATALOG DATA	OTHER MATERIAL or DATA	OPERATING INSTRUCTIONS	REQUIRED SUBMITTAL DATE	DATE RECEIVED IN CONTRACTING	DATE TO CIVIL ENGR.	RETURN SUSPENSION DATE	FOLLOW-UP	DATE CONTRACTOR NOTIFIED		CONTRACTOR RESUBMITTAL	FINAL APPROVAL	REMARKS
																APPROVED	DISAPPROVED			
50	Planting Schedule 02920 Sec 1.4 Para C								4		See Spec									CEV Appoval Required
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SECTION 1C

ENVIRONMENTAL SPECIAL CONDITIONS

INDEX

1. Hazardous Material and Material Safety Data Sheets
2. Report of Hazardous Materials Consumed
3. Disposal of Regulated Waste
4. Spill Prevention Control and Countermeasures (SPCC) Plan Coordination
5. Waste Water Discharges
6. National Pollutant Discharge Elimination System (NPDES) Permits for Construction Activities
7. NPDES Permit for Dewatering Operations
8. Delivery & Storage of Material
9. Air Program Requirements
10. Non-Hazardous Solid Waste Diversion
11. Archeological Discoveries
12. Testing
13. Dust Control
14. Clean up

1. HAZARDOUS MATERIALS AND MATERIAL SAFETY DATA SHEETS.

1.1 Definitions:

Priority chemical means a chemical identified by the interagency Environmental Leadership Workgroup or, alternatively, by an agency pursuant to Section 503 of Executive Order 13148 of April 21, 2000, Greening the Government through Leadership in Environmental Management.

Toxic chemical means a chemical or chemical category in listed in 40 CFR 372.65.

Hazardous material includes the following:

- Hazardous materials as defined by The Department of Transportation in 29 CFR 172;
- Hazardous substances, extremely hazardous substances, toxic chemicals and hazardous waste as defined by EPA in Title III of the Superfund Amendments and Reauthorization Act and the Resource Conservation and Recovery Act, in 40 CFR; and
- Hazardous Chemicals and Hazardous Substances as defined by the Occupational Safety and Health Administration (OSHA) in 29 CFR.

1.2 Executive Order 13148 requires Federal facilities to comply with the provisions of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11001-11050) and the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13101-13109).

Federal Acquisition Regulation (FAR) 52.223-5 -- Pollution Prevention and Right-to-Know Information requires contractors to provide all information needed by the Federal facility to comply with the following:

a. The emergency planning reporting requirements of Section 302 of EPCRA.

b. The emergency notice requirements of Section 304 of EPCRA

c. The list of Material Safety Data Sheets required by Section 311 of EPCRA

d. The emergency and hazardous chemical inventory forms of Section 312 of EPCRA

e. The toxic chemical release inventory of Section 313 of EPCRA, which includes the reduction and recycling information required by Section 6607 of PPA

f. The toxic chemical, priority chemical, and hazardous substance release and use reduction goals of Section 502 and 503 of Executive Order 13148.

1.3 Offutt AFB has implemented an Environmental Management System (EMS) and every contract employee that will physically work on the installation under a contract that incorporates FAR 52.223-5 is required to take initial EMS awareness training. When this clause applies, the Government will provide the contractor with a Power Point Training Presentation entitled: Base EMS Awareness Level Training. The Contractor shall ensure all employees, prior to their performance of any contract work on the installation under a contract containing the above noted clause, will read and acknowledge this training. The employee's acknowledgement is required to be in writing and must be provided to the Contracting Officer (CO) for inclusion in the contract file NLT 10 days following the effective date of the contract. To accomplish this requirement, the contractor shall have all employees legibly print and sign their name to a dated training sign-in sheet that is entitled: Base EMS Awareness Level Training for _____ ***(contractor shall insert project number, project name and contract number)*** and contains a statement basically the same as "I have reviewed and understand the above entitled training." Any new or replacement employee shall review and acknowledge this training prior to commencing work on Offutt AFB and the proof of acknowledgement shall be forwarded to the CO no later than the end of the week said employee begins work. This training is a one hour requirement. Questions regarding the training should be addressed to:

Mr. Karl Morris
55 CES/CEV
106 Peacekeeper Dr.
Offutt AFB, NE 68113
Phone: (402) 294-4087
Email: karl.morris@offutt.af.mil

The Contractor shall comply with the Environmental Management System (EMS) Requirements (Paragraph 1.2, Section 1C of the Specifications); complete the report identified in the Contract Data Requirements List (CDRL) DD Form 1423-1) and forward the report as required in accordance with the distribution on the CDRL.

1.4 Material Safety Data Sheets:

Fifteen (15) working days prior to bringing hazardous materials onto Offutt AFB the contractor shall submit the Material Safety Data Sheets and usage information on all hazardous materials they (including all subcontractors) intend to use throughout the life of the contract. The 55th CE's Construction Management Element (55 CES/CECC) person assigned to that contract, or the contract's Quality Assurance Evaluator (QAE), will review the information with the Environmental Flight (55 CES/CEV) and then provide the information to the HAZMART Warehouse for entry into EMIS. In addition, contractors that use hazardous materials are required to complete Offutt's hazardous waste training course (see Disposal of Regulated Waste, Paragraph 3, below) prior to bringing hazardous materials on base.

1.5 Storage and Handling:

All hazardous and non-hazardous materials shall be stored and handled in accordance with all OSHA and NFPA requirements. In addition to those requirements, all storage and staging areas shall be provided with secondary containment and shall be located away from traffic areas and protected from any incursion into the area that could damage the containers or cause a spill. Secondary containment shall be provided to contain 110% of the volume of the largest container stored so as to contain any spills or leaks. In addition, when outdoors all hazardous and non-hazardous materials shall be covered to avoid contact with the elements and precipitation from entering the secondary containment structure.

1.6 Hazardous Material Storage Plan:

Prior to bringing any hazardous material on base, the contractor shall submit for CEV approval a hazardous material (to include hazardous waste (see Section 3.0)) storage plan stating how the contractor shall meet the above requirements. Plan shall include method of storage handling, staging, and use of the materials

1.7 Spill Reporting:

Contractor shall immediately report all spills of hazardous materials to the Fire Department and to CEV. In addition, the contractor is responsible for meeting the reporting requirements of Nebraska Administrative Code Title 126 Chapter 18 *Releases of Oil or Hazardous Substances*. Copies of any reports made to the Nebraska Department of Environmental Quality or The National Response Center shall be provided to CEV within 24-hours. Contractor is responsible for the clean up of all spilled material including restoration of the any areas contaminated by the spill including costs incurred by the government for any assistance or remedial action taken by the government on behalf of the contractor. All clean up and restoration shall be done to the satisfaction of the government. Handling and disposal of spill clean-up material shall be in accordance with Paragraph 3.

2. REPORT OF HAZARDOUS MATERIAL CONSUMED. Upon completion of project, before 100 percent payment is made, all quantities of consumed hazardous material on this job will be submitted for CEV recordkeeping. If the project is not complete by 1 January, all hazardous material used on this job before that date must be submitted by 1 February and again at the completion of the project before 100 percent payment is made. Hazardous material is defined in Paragraph 1.

3. DISPOSAL OF REGULATED WASTES. Contractor shall comply with all federal, state, local, and Offutt AFB regulations, and requirements concerning the proper handling, accumulation, and disposal of regulated wastes. These include, but are not limited to:

Title 40 Code of Federal Regulations (CFR) Parts 260/280 (40 CFR 206-280)-
Federal solid and hazardous waste regulations.

Title 49 Code of Federal Regulations (CFR) Parts 171-173 (49 CFR 171-173)-
Federal transportation regulations.

Title 40 Code of Federal Regulations (CFR) Part 112 (40 CFR 112)-
Spill Prevention Control and Countermeasure Plan

State of Nebraska Administrative Code Title 128-
State solid and hazardous waste regulations.

City of Omaha Code Chapter 31-
City of Omaha sewer standards

Offutt AFB Hazardous Waste Management Plan-
Summarizes the hazardous waste accumulation and storage requirements.

3.1 Training:

The contractor is responsible for ensuring all contract personnel that handle or are exposed to hazardous waste are trained in accordance with the above regulations/requirements. The Offutt AFB Environmental Management Flight (55 CES/CEV telephone # (402) 294-4087) conducts training satisfying the above training requirements at no cost to the contractor. The training is held on the first and third Mondays of each month, except on Federal Holidays, and lasts approximately one hour. Contractor shall submit for CEV records certification of training. At the contractor's option, one representative may attend the above class and then train the remaining contractor personnel. If this option is chosen, the contractor will submit documentation for

CEV records that all contractor personnel who handle hazardous waste have been trained.

3.2 Accumulation, Storage, and Sampling Wastes:

Items that can be considered regulated wastes include, but are not limited to, paints, thinners, solvents, adhesives, acids and caustics compounds, fuels and oils intended for disposal, lead acid batteries, fluorescent light tubes, etc. The contractor shall be responsible for identifying, storing, and accumulating all regulated wastes generated during the course of the project. Contractor is also responsible for sampling and analysis of all containers of wastes generated to obtain an accurate profile of any hazardous characteristics. Sampling and analysis shall be conducted by an accredited laboratory at no additional cost to the government. Based on that analysis, wastes shall be identified as hazardous, prohibited, or non-regulated wastes. Storage of wastes shall be in accordance with Paragraph 1.4 and Offutt's Hazardous Waste Management Plan.

3.3 Containers and Containment:

Contractor shall supply all containers which shall be new or refurbished and labeled as DOT approved. Containers shall be compatible with the material/waste stored in them. Secondary containment (meeting the requirements of paragraph 1) for all containers shall be provided and all additional storage and handling requirements called out in the Offutt hazardous waste training guide shall be followed.

3.4 Disposal Procedures

For wastes identified as hazardous, the contractor shall submit a request for disposal and provide test results and waste characterization to 55 CES/CEV two weeks before disposal. If hazardous waste is accumulated in quantities equal to or exceeding 55 gallons, or prior to completion of this Contract, the contractor shall deliver all hazardous waste for disposal within three days to either one of the 90-Day accumulation points or to the Offutt AFB Defense Reutilization and Marketing Office (DRMO). If full waste characterization is not available, the contractor will store the waste at one of the 90-day accumulation points; when analysis is complete, the contractor will subsequently move the waste to DRMO. All drum movements to any 90-day or to DRMO by the contractor will be at no additional cost to the government. Disposal cost for hazardous waste disposal shall be the responsibility of the government.

Prohibited wastes are liquids or liquids containing solids that are prohibited by Omaha code from being disposed of to the sanitary sewer. Contractor shall submit test results for CEV to determine proper disposal. Contractor will be directed to deliver the container to either one of the 90-day accumulation points or to the Conforming Storage Facility on base at no additional charge to the government. Disposal cost for prohibited waste disposal shall be the responsibility of the government.

Special wastes are wastes that require prior approval from the landfill to be disposed of. These wastes (e.g. fuel contaminated soil) shall be disposed of at either the Douglas County or Butler County Landfills. The contractor must submit a request for disposal along with all required testing analysis and receive approval of CEV for disposal of special wastes to either landfill. Contractor is responsible for all costs associated with disposal of special wastes. Non-regulated wastes (e.g. C and D wastes) shall be disposed of at an NDEQ approved landfill. Contractor is responsible for all costs associated with the disposal of non-regulated wastes.

4. SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN.

4.1 Condition of Equipment

All contractor equipment (including containers and vehicles) shall be kept in good condition while on the base. Any equipment found leaking or dripping any hazardous material (e.g. oil, fuel, etc.) shall be taken out of service immediately until repaired and all spilled material shall be cleaned up in accordance with the requirements called out under the Hazardous Material section.

4.2 SPCC Plan

The contractor is responsible for handling, using, and storing all regulated petroleum oil (including fuel) on the facility in accordance with the requirements of 40 CFR 112 and Offutt's Spill Prevention Control and Countermeasures Plan. Prior to bringing any petroleum storage container on base the contractor shall submit certification for CEV approval that the owner of the container has in-place a SPCC plan in accordance with 40 CFR 112 and that the container is a part of that plan. Contractor shall submit a Petroleum Container Storage Plan for CEV approval. The plan shall include the following information:

a. Site plan with the location of containers;

b. Capacity of each container;

c. Contents of each container;

d. Containers must have secondary containment that will contain 110% of the capacity of the container. If secondary containment is not available the container must be labeled with a certification that it has passed integrity testing performed in accordance with 40 CFR 112 within the past two years;

e. List (type and quantity) of spill control and clean-up materials in sufficient quantity to contain and cleanup the quantity of regulated petroleum products stored; and

f. Certification the tanks meet all of the following requirements:

- The capacity of the tank shall not exceed 12,000 gal (45,420 L).
- All piping connections to the tank shall be made above the normal maximum liquid level.
- Means shall be provided to prevent the release of liquid from the tank by siphon flow.
- Means shall be provided for determining the level of liquid in the tank. This means shall be accessible to the delivery operator.
- Means shall be provided to prevent overfilling by sounding an alarm when the liquid level in the tank reaches 90 percent of capacity and by automatically stopping delivery of liquid to the tank when the liquid level in the tank reaches 95 percent of capacity. In no case shall these provisions restrict or interfere with the proper functioning of the normal vent or the emergency vent.

5. WASTE WATER DISCHARGES. Any release of waste water onto the ground or into Waters of the State from Offutt's sanitary sewer collection system shall be immediately reported to the contracting officer, the contract inspector, and CEV. The report shall include the following information:

- Location of release,
- Time of release,
- Cause of release,
- Amount released,
- Corrective actions taken.

The contractor is responsible for the cost of all cleanup associated with any release. A written report containing the same information as the verbal report shall be submitted for CEV records within 24-hours of the release.

6. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS FOR CONSTRUCTION ACTIVITIES. Construction activities (including other land-disturbing activities) that disturb one acre or more are regulated under the NPDES storm water program and require a NPDES Permit for Storm Water Discharges from a Construction Site. This includes smaller sites that are part of a larger common plan of development that will or has the potential to disturb 1 acre or more of land over the duration of the contract. The contractor is responsible for all material and labor costs associated with the required permit. A copy of the standard permit for construction sites is available on the NDEQ web site.

6.1 Permit Application

Operators of regulated construction sites are required to obtain permit coverage from the Nebraska Department of Environmental Quality (NDEQ) and to develop and implement a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the permit. A copy of the Construction Storm Water- Notice of Intent (CSW-NOI) submittal and the SWPPP required by NDEQ shall also be submitted for approval by 55 CES/CEV. Upon approval from CEV and receipt of the CSW Permit issued by NDEQ a copy shall be submitted for CEV recordkeeping.

6.2 Storm Water Pollution Prevention Plan (SWPPP)

In addition to the NPDES requirements to be included in the SWPPP, the following items shall also be addressed:

- Spill prevention and control for materials and wastes,
- Construction debris and litter management,
- Concrete waste management (including rinsing concrete from trucks),
- Sanitary/septic waste management,
- Liquid waste management.

Prior to beginning construction the contractor shall have both a NDEQ CSW-NPDES Permit and approval of the SWPPP from CEV.

6.3 Grading and Erosion Control

Temporary and permanent structural practices shall be installed in accordance with the City of Omaha Soil Erosion and Sediment Control Manual (copies available from the city of Omaha Public Works Department) and maintained in accordance with the issued NPDES permit requirements to eliminate sediment and other contaminants from leaving the construction site.

Documentation of all inspections required by the permit shall be kept on site in accordance with the permit and copies of all documentation shall be submitted for CEV recordkeeping within two (2) days of the completion of the document. Any deficiencies with the SWPPP discovered during the course of the project shall be corrected immediately.

6.4 Construction Activities Less Than One Acre

Construction activities that disturb less than one acre require the submittal, for CEV approval, of a SWPPP (IAW NDEQ permit requirements) and the installation and maintenance of temporary and permanent structural practices (IAW the City of Omaha Soil Erosion and Sediment Control Manual) to eliminate sediment and other contaminants from leaving the construction site. Inspections of the control structures are required every month and after any 0.5 inch or greater rain.

7. NPDES PERMIT FOR DEWATERING OPERATIONS. All dewatering operations (including, but not limited to, pumping from an excavation, lowering the groundwater level via well points, hydrostatic testing, etc.) require dewatering permits issued by NDEQ. The contractor is responsible for obtaining and meeting all the requirements of dewatering permits. A copy of all NOI for the permit shall be submitted to CEV for review and approval. No dewatering operation shall occur until a permit has been issued by NDEQ to the contractor and submitted to CEV for verification. Copies of all reports, inspections, analytical testing, etc. required as part of the permit requirements shall be submitted to CEV within two (2) days of completion. If any of these items are to be submitted to NDEQ, a copy of the submittal letter to NDEQ will accompany the CEV submittal. For dewatering in areas with contaminated groundwater, the contractor shall be responsible for weekly sampling

and analysis for priority pollutants (VOCs and semi-VOCs, metals, etc.) in accordance with the permit requirements. In addition, the contractor shall submit for CEV approval the method of disposal of the water. Generally, if analysis indicates the contamination in the water exceeds the permit limits, the contractor, with the approval of CEV, can discharge the water to the sanitary sewer. If analysis indicates contamination levels below the permit limits, the contractor, upon CEV approval, can discharge the water to the storm sewer. The contractor shall be responsible for all the material and labor cost associated with the requirements of the permit and discharging the water to either type of sewer based on the weekly analytical results. The contractor is not responsible for any sewer fees for disposal of effluent from a dewatering operation to the sanitary sewer.

8. DELIVERY AND STORAGE OF MATERIAL. The contractor shall use only established roadways, entrances, and exits as prescribed by the Government Construction Representative. Materials and equipment shall be stored only in designated areas, and shall be transported directly to and from the construction site under strict regulations as prescribed by the Government Construction Representative. Materials quantity receipt shall be given to the Government Construction Representative upon delivery of materials to job site.

9. AIR PROGRAM REQUIREMENTS. The following air emission units, when involved as part of a construction project, require issuance of a construction permit (in accordance with NDEQ Title 129, Chapter 17, Section 001) prior to beginning construction work associated with the emission unit. The permit application will be completed by 55 CES/CEVC after being notified by the contractor of this need/requirement. The contractor must allow approximately 90 days between the start of the permit application and issuance of the permit:

- Specs for a generator (emergency or permanent) with an engine power greater than 220 KW
- Incinerator installation
- Installation/modifications to bulk storage tanks
- Construction/modifications to the fire training simulator
- Construction of a single boiler greater than 10 million BTU/hr
- Construction of a paint booth or modifications to an existing booth

Any questions concerning the need for an air construction permit can be directed to 55 CES/CEVC, 294-4087.

10. NONHAZARDOUS SOLID WASTE DIVERSIONS. In keeping with the Air Force solid waste diversion rate goal, the contractor will divert at least 40% of the construction and demolition debris generated during the project. The waste may be reused, recycled, sent to a waste-to-energy incinerator, or managed in another approved manner that keeps it from going to a landfill. Some items that can be recycled or reused are scrap metal, cardboard, concrete, wood, and asphalt. The contractor will track and report the amount of construction and demolition debris disposed in a landfill, recycled, or sent to a waste-to-energy incinerator each quarter. The attached form will be completed and submitted to Construction Management no later than the first working day after the end of each quarter (31 Dec, 30 Apr, 30 Jun, 30 Sept).

NONHAZARDOUS SOLID WASTE DIVERSION
Project Title:
Project No.:
Contract No.:
Quarter:

L (tons) =	Cost = $

R1 =	Cost/Reimbursement/or Cost Avoidance =
R2 =	Cost/Reimbursement/or Cost Avoidance =
R3 =	Cost/Reimbursement/or Cost Avoidance =
R4 =	Cost/Reimbursement/or Cost Avoidance =
R5 =	Cost/Reimbursement/or Cost Avoidance =
R6 =	Cost/Reimbursement/or Cost Avoidance =

I (tons) =

L = Amount (in tons) of nonhazardous solid waste (including construction and demolition debris) transferred to a disposal facility.
R = Amount (in tons) of nonhazardous solid waste that is diverted. R1 - recycled R2 - reused R3 - donated R4 - composted R5 - mulched R6 - otherwise diverted
I = amount (in tons) to waste-to-energy incineration

11. ARCHEOLOGICAL DISCOVERIES. If archeological resources are encountered during construction, the Contractor will immediately cease operations and report their findings to the Government Construction Representative. Procedures are outlined in Air Force Instruction 32-7065 (Cultural Resources Management), Paragraph 2.8, and will then be followed in final disposition of these items.

12. TESTING. All material/waste sampling and testing as required in the specifications or as required by the Government Construction Representative and retest required due to failure of original test shall be performed by a laboratory or laboratories employed by the contractor at no additional cost to the Government in accordance with EPA Test Methods SW-846.

13. DUST CONTROL. Control of dust during construction, demolition activities, debris removal and any other activities required as a part of the work under this contract must be thorough and complete. For outside construction: dust/particulate matter associated with the construction process is not to become airborne in such quantities and concentrations that it remains visible in the ambient air beyond the boundaries of the construction site. Dust control shall be addressed in the Storm Water Pollution Prevention Plan (SWPPP) as required by NPDES subsection below.

14. CLEAN UP. Clean up of all items shall be accomplished by the end of each day. The contractor will also be responsible for cleaning mud, rock, and debris deposited by the contractor's, sub-contractor's, or supplier's vehicles from all roads in the construction areas used by these vehicles.