

BUILDING DEMOLITION AND

REMOVAL OF UNDERGROUND PETROLEUM STORAGE TANK SYSTEM

DRAFT

INVITATION FOR BID

BID OPENING DATE: JANUARY 16, 2008 @ 9:30 A.M. CST

PRE-BID MEETING: JANUARY 3, 2008 @ 2:00 P.M. CST
AT PROJECT SITE (201 NORTH CLOSNER BLVD., EDINBURG, TEXAS)

INTRODUCTION

Bids are solicited for: the demolition of two (2) adjacent gasoline station buildings; the removal of debris and regulated materials; and the removal of one (1) underground petroleum storage tank system, one (1) underground hydraulic lift, and two (2) underground sumps associated with the buildings. The properties are located at 201 North Closner Blvd. and 217 North Closner Blvd., respectively, in Edinburg, Texas. Should this bid contain the COUNTY'S standard contract terms, conditions and insurance requirements, they will be attached as Exhibit A B & C.

Bid Packets may be obtained by contacting the Hidalgo County Purchasing Department at (956) 318-2626 or may be picked up in person at Hidalgo County Purchasing Department, with a **Physical location of:** 2802 S. Business Hwy 281, (Southeast Corner of Canton & Business Hwy 281) Hidalgo County New Administration Building, Edinburg-Texas 78539.

UPON SUBMITTING SEALED BID, bidders are required to properly identify (handwritten, typed or printed) sealed envelope and/or package as follows: Bidder's name and address on the upper left hand corner of the sealed envelope and/or package and Bid No. 2007-397-01-16-otm- "Building Demolition and Removal of Underground Petroleum Storage Tank System", on the lower hand corner of the sealed envelope and/or package. **OVERNIGHT MAIL MUST ALSO BE PROPERLY LABELED ON THE OUTSIDE OF EXPRESS ENVELOPE OR PACKAGE.**

The sealed bid must contain (1) original and three (3) copies of bid and must be clearly identified an addressed for delivery to:

Martha L. Salazar, CPPB, Hidalgo County Purchasing Agent
Hidalgo County Purchasing Department

US Postal Mail/Courier Address

2812 S. Business Hwy 281
Hidalgo County New Administration Bldg.
Edinburg, Texas 78539

Physical Location:

2802 S. Business Hwy. 281
(Southeast of Canton Rd & Business 281)
Edinburg, Texas 78539

Sealed bids will be accepted until 9:30 a.m. CST on Wednesday, January 16, 2008, at which time they will be opened in the Hidalgo County Purchasing Department Conference Room at **Physical Location: 2802 S. Business Hwy 281, Hidalgo County New Administration Building, Edinburg-Texas 78539.** NO FACSIMILES OR LATE ARRIVALS WILL BE ACCEPTED. ANY BID RECEIVED AFTER THAT TIME WILL NOT BE OPENED AND WILL BE RETURNED.

Hidalgo County reserves the right to refuse and reject and/all bids and to waive any/all formalities and technicalities, or to accept bid considered the best and most advantageous to the County.

Any technical questions concerning the bid should be directed to Marc Haws, P.G., CAPM at (956) 423-7807.

Comment: Will The Purchasing Dept be the point of contact for this project or will it be Engineer?

A pre-bid meeting will be held at the project site (201 North Closner Blvd., Edinburg, Texas) on Thursday, January 3, 2008 at 2 p.m. CST..

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1. SCOPE AND LOCATION: This specification describes tasks necessary to demolish two (2) adjacent gasoline station buildings and remove and dispose of one (1) underground petroleum storage tank (PST) system, one (1) underground hydraulic lift, and two (2) underground sumps for the County of Hidalgo, Texas. The properties are located at:
 - 201 North Closner Blvd., Edinburg, Texas
 - 217 North Closner Blvd., Edinburg, Texas
2. DEFINITIONS OF TERMS AND ACRONYMS
 - 2.1. IFB: Invitation for Bid
 - 2.2. PST: Petroleum Storage Tank
 - 2.3. TCEQ: Texas Commission on Environmental Quality
 - 2.4. NFPA: National Fire Protection Association
 - 2.5. API: American Petroleum Institute
 - 2.6. COUNTY: County of Hidalgo
3. APPLICABLE STANDARDS: All work performed under the purchase order shall be in compliance with all laws and regulations of the federal, state and local governments in whose jurisdiction the service is performed and the following publications (or latest revision) as a minimum.
 - 3.1. AMERICAN PETROLEUM INSTITUTE (API) PUBLICATIONS
 - 3.1.1. AP11604 "Removal and Disposal of Used Underground Storage Tanks"
 - 3.1.2. API 1628 "Underground Spill Cleanup Manual"
 - 3.1.3. API 2015 "Cleaning Petroleum Storage Tanks-3rd Edition"
 - 3.1.4. API 2015A "A Guide for Controlling the Lead Hazard Associated with Tank Entry and Cleaning"
 - 3.1.5. API 2217 "Guidelines for Confined Space Work in the Petroleum Industry"
 - 3.1.6. API 2219 "Safe Operating Guidelines for Vacuum Trucks in Petroleum Service"
 - 3.1.7. API 2003 "Protection Against Ignition Arising Out of Static, Lightning, and Stray Currents"
 - 3.2. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS
 - 3.2.1. NFPA 30 "Flammable and Combustible Liquids Code"
 - 3.2.2. NFPA 70B "Electrical Equipment Maintenance"
 - 3.2.3. NFPA 77 "Recommended Practice on Static Electricity"
 - 3.2.4. NFPA 327 "Standard Procedure for Cleaning or Safeguarding Small Tanks and Containers"
 - 3.3. CODE OF FEDERAL REGULATIONS (CFR)
 - 3.3.1. United States Department of Labor
 - 3.3.1.1. 29 CFR 1910 "Occupational Safety and Health Standards"
 - 3.3.1.2. 29 CFR 1518 "Safety and Health Regulations for Construction"
 - 3.3.1.3. 29 CFR 1926 "Excavations, Trenching and Shoring"
 - 3.3.2. United States Environmental Protection Agency
 - 3.3.2.1. 40 CFR 260 "Hazardous Waste Management System: General"
 - 3.3.2.2. 40 CFR 261 "Identification and Listing of Hazardous Waste"

- 3.3.2.3. 40 CFR 262 "Generators of Hazardous Waste"
- 3.3.2.4. 40 CFR 263 "Transporters of Hazardous Waste"
- 3.3.2.5. 40 CFR 280 "Underground Storage Tank Technical Requirements"
- 3.4. TEXAS ADMINISTRATIVE CODE, TITLE 30 (30 TAC)
 - 3.4.1. Chapter 334 "Underground and Aboveground Storage Tanks"
 - 3.4.2. Chapter 350 "Texas Risk Reduction Program"
- 3.5. LOCAL FIRE MARSHAL REGULATIONS
- 3.6. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) PUBLICATIONS: RG-411-
"Investigating and Reporting Releases from Petroleum Storage Tanks (PSTs)"
- 4. REFERENCES: Respondents shall submit three references that can verify their qualifications and experience requirements. References shall include name, point-of-contact, telephone number and dates that services were provided.
- 5. RESPONDENT QUALIFICATIONS: The respondent shall:
 - 5.1. Comply with all laws and regulations of the federal, state and local governments.
 - 5.2. Obtain all necessary registration numbers, licenses and permits in connection with work required by the purchase order and shall have a certificate of registration as an underground storage tank contractor and current License B issued by the TCEQ in accordance with Title 30, Texas Administrative Code, Chapter 334, Subchapter I (relating to Underground Storage Tank On-Site Supervisor Licensing and Contractor Registration).
 - 5.3. Have a minimum of five years experience in removal and off-site disposal of PST systems.
- 6. SERVICE REQUIREMENTS
 - 6.1. VENDOR'S USE OF PREMISES: The vendor shall:
 - 6.1.1. Not extend operations beyond the areas designated by COUNTY's designated representative.
 - 6.1.2. Be responsible for the preservation of all public and private property, and shall use every precaution necessary to prevent damage thereto.
 - 6.1.3. Handle and store equipment, materials, and supplies in a safe and orderly manner and shall keep the premises orderly, sanitary, and free from accumulation of waste materials or rubbish resulting from operations under this purchase order.
 - 6.1.4. Receive from COUNTY's designated representative, prior to beginning work, the limits of the work area, including temporary stockpile area(s).
 - 6.1.5. Maintain proper traffic controls and barricades to ensure site safety at all times. Traffic barricades, if necessary, shall conform to the Texas Manual on Uniform Traffic Control Devices.
 - 6.1.6. Be responsible for visiting the site and ascertaining pertinent local conditions such as location, accessibility, and general character of the site, the character and extent of existing work within and adjacent to the site, and any other work being performed thereon. Any failure to do so shall not relieve the vendor from responsibility for successfully performing the work without additional expense to COUNTY. **A mandatory pre-bid meeting at the project site is scheduled for Thursday, January 03, 2008 at 2 p.m. CST.**
 - 6.2. SAFETY PRECAUTIONS
 - 6.2.1. The vendor, subcontractors and their employees shall be familiar with and comply with Occupational Safety and Health Association (OSHA) safety requirements set forth in 29 CFR Parts 1910 and 1926, and all federal, state, and local regulations, as applicable. The vendor shall bear sole responsibility for any penalties and down time charges imposed for noncompliance.

- 6.2.2. Prior to initiation of site work, the vendor shall submit to COUNTY's designated representative a health and safety plan which addresses all applicable OSHA requirements for all work to be performed during the course of this project. The vendor shall follow procedures outlined in the health and safety plan during all phases of the project to protect the health and safety of all persons and property in the vicinity of the project site.
- 6.2.3. The vendor shall maintain a copy of the health and safety plan on-site during all phases of the project and shall ensure that all on-site personnel have reviewed and are familiar with the plan. All safety equipment referenced in the health and safety plan shall be on-site and calibrated (if applicable) before construction begins.
- 6.2.4. The vendor shall, at all times, maintain safe and continuous access to the work site for COUNTY's designated representative, federal, state, and local authorities. The vendor shall provide all necessary safety measures including, but not limited to, fencing, barricades, warning signs, flags, and steel plates over trenches, to ensure the safety of the vendor, subcontractors, and all vehicular and pedestrian traffic in the project area. At a minimum, a four foot (1.2 m) high orange polyethylene safety fence shall be installed continuously around all excavations. The fencing shall be attached to a sufficient number of rigid supports to prevent sagging. Immediately outside and adjacent to this fence, lighted wooden traffic barricades (minimum length six feet (1.8 m) shall be installed at a minimum of one per excavation wall. Required barricades, warning signs, etc. shall be placed around the work zone prior to initiation of work and kept in place until all work is complete.
- 6.2.5. The vendor shall store or handle gasoline or other flammable liquids in strict accordance with all state and local fire marshal requirements.
- 6.2.6. The vendor shall have a minimum of two Class 40 B:C fire extinguishers at each active tank excavation and readily available for any work which involves release of product or use of a sparking device.
- 6.2.7. The vendor shall be responsible for directing the use of personal protective clothing and equipment to minimize employee exposure in accordance with OSHA standards. The vendor's site specific health and safety plan shall include provisions for emergency conditions and information concerning local emergency facilities.
- 6.2.8. The vendor shall eliminate all potential sources of ignition from the area including smoking materials, and nonexplosion-proof electrical and internal combustion equipment.
- 6.2.9. The vendor shall be responsible for locating all utility lines (underground, aboveground and aerial) in the vicinity of the site. However, the vendor shall be aware that utility lines are still in the ground and shall take precautions on encountering such utility lines that their disturbance or removal shall not endanger personnel or equipment at the facility. The vendor shall coordinate with COUNTY and Texas One Call System (1-800-245-4545) before any construction activities are begun. The vendor shall be responsible for all costs required to repair utilities damaged during the course of this contract at no additional cost to COUNTY.
- 6.2.10. Requirements for entering a tank pit shall be the same as a permit Required Confined Space Entry until the evaluation of the hazards of the permit space and verification that acceptable entry conditions for the entry into that space exists. Reference ANSI 2117.1-1989; 29 CFR 1910.146, Appendices A, B, C, D and E (Federal Register January 14, 1993) and NIOSH Publication 80-106.
- 6.2.11. All work shall be completed in a manner that minimizes the possibility of any threat to human health and safety or the environment.
- 6.3. REMOVAL OF REGULATED MATERIALS AND OTHER DEBRIS
- 6.3.1 The vendor shall inspect and inventory materials that are or are suspected to be regulated materials (i.e. oils, solvents, used tires, etc.).
- 6.3.2 The vendor shall use qualified personnel or subcontract personnel to classify, handle, remove, dispose, recycle or reclaim any identifiable regulated materials.

- 6.3.3 The handling, transportation, disposal, recycling or reclamation of any regulated materials shall be conducted in a safe and environmentally sound manner and shall be in accordance with all applicable regulations in effect for the type, volume, contaminant concentration, and classification of the removed material.

6.4. BUILDING DEMOLITION

- 6.4.1 The vendor shall provide all labor, materials, supplies, equipment, insurance, supervision, transportation, and incidental expenses for the demolition of the buildings at the two subject properties, to include all other structures such as foundations, pavement, sidewalks, storage structures, and fences. (Specifications for the removal of underground structures are presented in Sections 6.5 thru 6.14 below). The vendor is to provide a total clean site, by having all construction type materials (concrete, metal, wood, glass, brick, plastic, paper, etc.) removed and properly disposed. The vendor is responsible for site conditions and for becoming familiar with the location to be demolished. The vendor is responsible for meeting or exceeding all Federal, State of Texas, and local safety, health, and traffic regulations and standards in effect and applicable at the time of award. The vendor is responsible for obtaining all appropriate permits when required.

- 6.4.2 The COUNTY shall be responsible for utility disconnection within each building. In accordance with Section 6.2.9 of this IFB, the vendor shall be responsible for locating all utility lines. Any utility lines damaged shall be repaired by the COUNTY at the vendor's expense. Damage to utility lines shall be immediately reported to the COUNTY's representative.

6.5. PREPARATION FOR PETROLEUM STORAGE TANK REMOVAL

According to TCEQ records, the tank system located at 201 North Closner Blvd. has the following registered underground petroleum storage tanks and associated equipment:

- Three (3) 6,000-gallon fiberglass-reinforced plastic (FRP) tanks (Gasoline)
- One (1) 2,000-gallon FRP tank (Diesel)
- Underground FRP piping
- Ancillary equipment including: submersible pumps, fill pipes, overspill containment devices, vent pipes, etc.
- Dispenser islands

- 6.5.1. The COUNTY shall submit to the TCEQ a written 30-day underground storage tank (UST) construction notification form and the vendor shall be responsible for contacting the TCEQ regional office 24 to 72 hours prior to construction.

- 6.5.2. The vendor shall use all applicable safety rules and regulations for vapor-freeing tanks, including the use of all appropriate equipment and procedures for vapor-freeing tanks.

- 6.5.3. The handling, transportation, and disposal of any regulated substances removed from a PST system, and any contaminated soils, backfill material, groundwater, wash water, or similar materials removed from the system shall be conducted in a safe and environmentally sound manner and shall be in accordance with all applicable regulations in effect for the type, volume, contaminant concentration, and classification of the removed material.

- 6.5.4. The vendor shall be responsible for the cleanup and disposal of any contaminated materials resulting from the release of hydrocarbons deemed avoidable by COUNTY's designated representative. Criteria for this determination shall be the vendor's conformity with these specifications and industry standards of practice. The vendor shall bear all costs associated with these cleanup activities.

6.6. EXCAVATION/TANK PURGING: The vendor shall:

- 6.6.1 Excavate to the top of tank. Remove all concrete and/or asphalt pavement. Place soil and any base material in areas designated by COUNTY's designated representative.

- 6.6.2 Excavate the tank pit soils until the tanks, piping, pumps, vent lines and pump islands can be removed. Place all excavated materials on polyethylene sheet(s) **as required by TCEQ** at the site location as designated by COUNTY's designated representative. Cover all material and protect from rainfall and runoff.
- 6.6.3 Cooperate with COUNTY's designated representative regarding stockpiling and segregation of excavated material to facilitate sampling and characterization of soils.
- 6.6.4 Provide temporary excavation shoring, as necessary, **for all pits and trenches to prevent damage to adjacent structures and/or highways.**
- 6.6.5 Notify the COUNTY designated representative of unstable soil conditions, ground water seepage, and storm water collection in any excavation.
- 6.6.6 Bear all costs of unauthorized excavation.
- 6.6.7 Drain product piping back into the tank to avoid any spillage. Cap and remove product piping in tank area.
- 6.6.8 Remove liquids and residues from the tank using explosion-proof or air-driven pumps. Refer to API Publication 2015 for safety precautions. Bonding and grounding of pump motors, suction hoses and tanks shall be in accordance with NFPA. The use of a hand pump may be required to remove the final liquids from the bottom of the tank. If a vacuum truck is used for removal of liquids or residues, the area of operation for the vacuum truck shall be vapor free. The truck shall be located upwind from the tank and outside the path of probable vapor travel. Vacuum pump exhaust gases shall be discharged through a hose of adequate size and length downwind of the truck and tank area. Review API Publication 2219 for vacuum truck operating and safety practices.
- 6.6.9 Remove all liquids and residues including tank contents, cleaning solutions and rinse waters removed from the tank and handled in accordance with appropriate federal, state and local regulations. Lead compounds and other residues from the tank might be classified as hazardous wastes. Vendor shall provide COUNTY's designated representative written certification by the vendor, shipper, and receiver, that all liquids and residues, contaminated backfill, tanks, and accessories were removed, shipped, and disposed of in accordance with all applicable permits, safety rules, and regulations.
- 6.6.10 Remove all exposed connective piping from the tank and the pump/dispenser units, as directed by COUNTY's designated representative.
- 6.6.11 Remove fill pipe, gauge pipe, vapor recovery truck connection, submersible pumps, fill tube, and other tank fixtures. Fill tube shall remain in place until the tank is vapor-free as directed by COUNTY's designated representative.
- 6.6.12 Vent all vapors from the tank at a minimum height of 12 feet (3.6 m) above grade and three feet (914 m) above any adjacent roof lines until the tank is purged of flammable vapors.
- 6.6.13 Tank Purging and Inserting Methods. Temporary freeing of flammable tank vapor shall be performed using one of the methods described herein or as required by local codes. Vapor or fumes shall be removed from the PST until an acceptable reading has been taken with a combustible gas indicator below the 20 % lower explosive limit or an oxygen meter reading of less than ten % for methods using inert gas.
- 6.6.13.1. Method I: Flammable or combustible vapors shall be removed from the tank with an inert gas such as Carbon Dioxide (CO₂) or Nitrogen (N₂). Inert gas shall be introduced at low pressure through a single tank opening at a point near the bottom of the tank at the end of the tank opposite the vent. The discharging device shall be grounded per NFPA. While discharging the inert gas, pressures in the tank shall not exceed 5 pounds per square inch (34.5kPa). A carbon dioxide fire extinguisher shall not be used for inert flammable atmospheres.
- 6.6.13.2 Method II: (May be used when Method I is not practical.) Tank vapors shall be inserted by the addition of solid carbon dioxide (dry ice) to the tank

in the amount of at least 1.5 pounds (.0424755 kg) per 100 gallons (378 l) of tank capacity. In handling dry ice all appropriate cryogenic methods shall be followed. The dry ice shall be crushed and distributed evenly over the greatest possible area in the tank to promote rapid evaporation. All tank openings, except the vent, shall be plugged after the introduction of dry ice. Continue to observe all normal safety precautions regarding flammable or combustible vapors.

- 6.6.13.3 Method III: (Tanks equipped with fill tubes that are not removable may be vapor-freed by this method.) Flammable and combustible vapors shall be purged from the tank by ventilation using an eductor-type air mover. The eductor shall be properly grounded and bonded to prevent the generation and discharge of static electricity. The fill tube shall remain in place to ensure ventilation at the bottom of the tank. An eductor extension shall be used to discharge vapor at a minimum of 12 feet (3.65 m) above grade or three feet (914 mm) above the nearest roof line of an adjacent structure.
- 6.6.13.4 Method IV: (Flammable and combustible vapors may be ventilated from the tank with a diffused air blower.) When using this method of purging, the air-diffusing pipe shall be properly grounded and bonded to prevent the discharge of static electricity. Fill tubes shall be removed to allow proper diffusion of the air in the tank. Air supply shall be from a compressor using a clean air supply. Air supply shall be free from volatile vapors. Air pressure in the tank shall not exceed five pounds per square inch gauge.
- 6.6.13.5 Method V: Any other method approved by COUNTY's designated representative.
- 6.7. TANK REMOVAL: The vendor shall:
- 6.7.1 After vapor-freeing and before tank removal, all accessible holes shall be plugged or capped. One plug shall have a one-eighth inch (3 mm) vent hole to prevent excessive differential pressure within the tank caused by temperature changes. The tank shall be positioned with this vent plug on top of the tank during subsequent transport and storage.
- 6.7.2 Excavate around the tanks to uncover it for removal. The vendor shall remove tanks from the excavation, place it nearby on a level area and secure it with wood blocks or place directly on a flat-bed trailer and secure. The tank shell shall be checked for corrosion holes and the holes plugged with screwed (boiler) plugs.
- 6.7.3 Not excavate any soil beyond that required to remove the tank and associated piping unless directed to do so by the TCEQ or the COUNTY's designated representative. Remaining soil contaminated by minor drips and spills from removal and/or previous operations shall be removed from the excavation and placed on polyethylene. The vendor shall notify COUNTY's designated representative of any severely contaminated soils.
- 6.7.4 Notify COUNTY's designated representative immediately of spilled materials.
- 6.7.5 Recover, collect, and dispose of spilled materials. Spilled materials shall be treated in the same manner as the released product for handling and disposal purposes.
- 6.7.6 Conduct all sampling, field quality assurance/quality control, analytical programs and reporting.
- 6.7.7 Not transport the tanks until flammable vapors or fumes have been removed from the PST and an acceptable reading has been taken with a combustible gas indicator (below the 20 percent lower explosive limit or local fire code regulation). A non-flammable atmosphere shall be maintained in the PST until delivery to the disposal site. The vendor shall obtain necessary approvals and permits before transporting the tanks.
- 6.7.8 Use appropriate lifting techniques for the PST in accordance with all regulatory agency requirements and API Publication 1604.

- 6.7.9 Label tanks no later than 24 hours after removal from the ground and prior to removal from the site. The label shall contain a warning against any type of reuse, regardless of the tank's condition. Former contents, present vapor state, vapor-freeing treatment, and date shall also be included. The label shall be similar to the following example in legible letters at least two inches high.

TANK HAS CONTAINED LEADED GASOLINE*

NOT VAPOR FREE

NOT SUITABLE FOR REUSE

or other flammable/combustible liquid. Use the applicable designation, for example, DIESEL.

- 6.7.10. Label tanks having contained leaded motor fuel (or whose service history is unknown with the additional information shown below (see API Publication 2015A for additional guidelines).

TANK HAS CONTAINED LEADED GASOLINE.

LEAD VAPORS MAY BE RELEASED IF HEAT

APPLIED TO THE TANK SHELL.

- 6.7.11 Remove tank from the site as promptly as possible after vapor-freeing procedures have been completed.
- 6.7.12 Secure tank on a truck for transportation to the storage or disposal site with the one-eighth inch (3 mm) hole located at the uppermost point on the tank. Tanks shall be transported in accordance with all applicable local, state, and federal regulations.
- 6.8 TEMPORARY STORAGE OF USED TANK AND ASSOCIATED PIPING

- 6.8.1 If not immediately transported off-site, used tanks, associated piping and dispensers/pumping units shall be stored only in the area designated by COUNTY's designated representative. These items shall not be temporarily stored on COUNTY's property longer than 24 hours after the time of tank removal.

- 6.8.2 Tanks stored in temporary storage shall be free of all liquids and residues. Tanks shall be vapor-freed before being placed in temporary storage. All tank openings shall be tightly plugged and capped, with one plug having a one-eighth inch (3 mm) vent hole to prevent the tank from being subjected to excessive differential pressure caused by temperature changes. Tanks shall be temporarily stored with the vented plug at the highest point on the tank. Tanks shall be labeled as described in Paragraphs 6.7.9 and 6.7.10 of this specification.

6.9 DISPOSAL OF USED TANK

- 6.9.1 Used steel tanks and accessories shall be disassembled for use as reclaimed scrap metal and be permanently disposed of within 30 days of removal. Used FRP tanks shall be dismantled and disposed within 30 days of removal.
- 6.9.2 Used tanks and accessories shall be permanently disposed in accordance with all laws and regulations of the federal, state and local governments.

6.10 CERTIFICATION: The vendor shall submit to COUNTY's designated representative written certification:

- 6.10.1 That used tank(s) and accessories were removed from the site as specified herein and in accordance with all applicable safety rules and regulations.
- 6.10.2 That the transporter shipped all used tank(s), accessories and materials in compliance with all safety rules and regulations and under the proper federal, state, and local transportation permits.
- 6.10.3 From recycling or disposal facility which acknowledges deliveries of waste material or destruction of waste material. A manifest is required.

6.11. TESTING

- 6.11.1 The vendor shall obtain representative samples of soil and/or groundwater, and, if required, other samples for purposes of quality assurance. Grab samples shall be obtained the tank bottom (under fill port and tank ends) or above soil-water interface if water is present in the tank pit, in the pipe trench, under dispensers and from the backfill. All samples shall be obtained in accordance with TCEQ requirements and generally accepted practices.
- 6.11.2 All samples shall be logged on appropriate chain-of-custody documents, which shall accompany the samples to the laboratory. Copies of all chain-of-custody documents shall be transmitted to COUNTY's designated representative immediately upon delivery of samples to the laboratory.
- 6.11.3 Laboratory analyses shall be performed for TPH per TCEQ Method 1005 and MTBE and BTEX per SW-846 Method 8021B or 8360B. The sample with the highest TPH level should be analyzed for polynuclear aromatic hydrocarins (PAH) per SW-846 Method 88310 or 8270. Reports of analytical results shall include legible copies of all chromatograms, as appropriate.
- 6.11.4 If the soil analysis shows levels above the acceptable regulatory limits, additional excavation may be required. The vendor will be directed by COUNTY's designated representative regarding additional excavation.
- 6.12. BACKFILLING
- 6.12.1 Soil excavated from the tank pit shall be backfilled to the tank pit upon completion of the tank removal and soil sampling activities.
- 6.12.2 Clean fill material will be used to backfill the tank pit to surface grade.
- 6.12.3 Compaction of fill material should be performed in one-foot lifts to surface grade.
- 6.13. REMOVAL OF UNDERGROUND HYDRAULIC LIFT AND SUMPS
- 6.13.1 The handling, transportation, and disposal of any regulated substances removed from the hydraulic lift and sumps, and any contaminated soils, backfill material, groundwater, wash water, or similar materials removed from the system shall be conducted in a safe and environmentally sound manner and shall be in accordance with all applicable regulations in effect for the type, volume, contaminant concentration, and classification of the removed material.
- 6.13.2 The vendor shall be responsible for the cleanup and disposal of any contaminated materials resulting from the release of hydrocarbons deemed avoidable by COUNTY's designated representative. Criteria for this determination shall be the vendor's conformity with these specifications and industry standards of practice. The vendor shall bear all costs associated with these cleanup activities.
- 6.13.3 Remove all concrete and/or asphalt pavement above hydraulic lift and sumps. Place soil and any base material in areas designated by COUNTY's designated representative.
- 6.13.4 Excavate the until the hydraulic lift and underground sumps can be removed. Place all excavated materials on polyethylene sheet(s) **as required by TCEQ** at the site location as designated by COUNTY's designated representative. Cover all material and protect from rainfall and runoff.
- 6.13.5 Cooperate with COUNTY's designated representative regarding stockpiling and segregation of excavated material to facilitate sampling and characterization of soils.
- 6.13.6 Provide temporary excavation shoring, as necessary.
- 6.13.7 Notify the COUNTY designated representative of unstable soil conditions, ground water seepage, and storm water collection in any excavation.
- 6.13.8 Bear all costs of unauthorized excavation.
- 6.13.9 Excavate around the tanks to uncover it for removal. The vendor shall remove tanks from the excavation, place it nearby on a level area and secure it with wood blocks or place directly on a flat-bed trailer and secure. The tank shell shall be checked for

- corrosion holes and the holes plugged with screwed (boiler) plugs.
- 6.13.10 Not excavate any soil beyond that required to remove the tank and associated piping unless directed to do so by the TCEQ or the COUNTY's designated representative. Remaining soil contaminated by minor drips and spills from removal and/or previous operations shall be removed from the excavation and placed on polyethylene. The vendor shall notify COUNTY's designated representative of any severely contaminated soils.
 - 6.13.11 Notify COUNTY's designated representative immediately of spilled materials.
 - 6.13.12 Recover, collect, and dispose of spilled materials. Spilled materials shall be treated in the same manner as the released product for handling and disposal purposes.
 - 6.13.13 Conduct all sampling, field quality assurance/quality control, analytical programs and reporting.
 - 6.13.14 Remove hydraulic lift and sumps from the site as promptly as possible after vapor-freeing procedures have been completed.
 - 6.13.15 If not immediately transported off-site, hydraulic lift and sumps shall be stored only in the area designated by COUNTY's designated representative. These items shall not be temporarily stored longer than 24 hours after the time of removal.
 - 6.13.16 Hydraulic lift and sumps stored in temporary storage shall be free of all liquids and residues.
 - 6.13.17 Removed equipment shall be permanently disposed in accordance with all laws and regulations of the federal, state and local governments.
 - 6.13.18 The vendor shall obtain representative samples of soil and/or groundwater, and, if required, other samples for purposes of quality assurance. Grab samples shall be obtained the tank bottom (under fill port and tank ends) or above soil-water interface if water is present in the tank pit, in the pipe trench, under dispensers and from the backfill. All samples shall be obtained in accordance with TCEQ requirements and generally accepted practices.
 - 6.13.19 All samples shall be logged on appropriate chain-of-custody documents, which shall accompany the samples to the laboratory. Copies of all chain-of-custody documents shall be transmitted to COUNTY's designated representative immediately upon delivery of samples to the laboratory.
 - 6.13.20 Laboratory analyses shall be performed for TPH per TCEQ Method 1005 and MTBE and BTEX per SW-846 Method 8021B or 8360B. The sample with the highest TPH level should be analyzed for polynuclear aromatic hydrocarins (PAH) per SW-846 Method 88310 or 8270. Reports of analytical results shall include legible copies of all chromatograms, as appropriate.
 - 6.13.21 If the soil analysis shows levels above the acceptable regulatory limits, additional excavation may be required. The vendor will be directed by COUNTY's designated representative regarding additional excavation.
 - 6.13.22 Soil excavated from the tank pit shall be backfilled to the tank pit upon completion of the tank removal and soil sampling activities.
 - 6.13.23 Clean fill material will be used to backfill the tank pit to surface grade.
 - 6.13.24 Compaction of fill material should be performed in one-foot lifts to surface grade.
- 6.14. CONTAMINATED MATERIALS REMOVAL AND DISPOSAL
- 6.14.1. Material Removal: An interim on-site storage area for contaminated materials will be assigned by COUNTY's designated representative. The vendor shall be responsible for the safety and integrity of this area. Procedure for hauling and disposal shall comply with 40 CFR 260-265 and 280-281 and federal, state, and local regulations. Transportation of hazardous waste materials shall be in accordance with 49 CFR (Reference: as of October 1, 1993, HM-18L, HM-126).
 - 6.14.1.1 Contaminated Liquid

- 6.14.1.2 All free product in the tank pit or pipe trench shall be removed by vacuum truck or pumped out and temporarily stored in USDOT and TCEQ approved, single-walled drums.
- 6.14.1.3 All groundwater or surface runoff in the tank pit or pipe trench contaminated with petroleum hydrocarbons shall be removed by vacuum truck or pumped out and temporarily stored in USDOT and TCEQ approved single-walled drums.
- 6.14.1.4 Contaminated liquids generated during storage tank vapor-freeing or cleaning processes or equipment decontamination shall be collected by vacuum truck or temporarily stored in USDOT and TCEQ approved single-walled drums.
- 6.14.2 After characterization and authorization, the contaminated materials shall be removed from the site within 48 hours. The vendor shall remove and transport all stockpiled contaminated soils, solids and liquids to an approved disposal or remediation facility as directed by COUNTY's designated representative.
- 6.14.3 All analytical testing of contaminated soils, solids and liquids is the responsibility of vendor. The test procedures to be performed and the method of selecting samples shall be in accordance with regulatory requirements any alternative method such as treating the contaminated materials on-site will be directed by COUNTY's designated representative.
- 7. COUNTY DESIGNATED REPRESENTATIVE: The COUNTY designated representative is shown on the IFB.
- 8. FINAL REPORT: Vendor shall prepare and submit a written Tank Removal Report to the TCEQ and to the COUNTY's designated representative upon completion of the petroleum storage tank removal job. The report shall conform to requirements outlined in TCEQ Publication R-16 ("How to Remove Your UST from the Ground").
- 9. CLOSURE: Vendor shall submit all necessary documentation relating to the petroleum storage tank removal activity to the TCEQ in seeking closure for the subject site.
- 10. RESPONSE SUBMISSION
 - 10.1 The following should be submitted with the response: Failure to return the required items with the bid response may result in rejection of the bid: Experience record for the respondent which shall include: 1) project name and location 2) project owner, address and telephone number.
 - 10.2 The following shall be submitted with the response. Failure to return the required items with the bid response will result in rejection of the bid.
 - 10.2.1. The respondent shall submit a copy of their Certificate of Registration under 30 TAC 334, Subchapter I, as amended with the TCEQ and shall provide a copy of the supervisor's license who shall be on site during the tank removal activities.
- 11. INVOICING INSTRUCTIONS: The invoice shall include:
 - 11.1. COUNTY purchase order number.
 - 11.2. Vendors' job identification.
 - 11.3. Start date and completion date of each service.
 - 11.4. Unit prices bid for actual work performed, miles traveled, tanks removed, etc. for each job site.
- 12. WORKMANSHIP
 - 12.1. The awarded vendor is responsible for completing the project within 60 days of bid award. Vendor shall also be responsible for removing and legally disposing all debris caused by the demolition and removal of underground structures.

CONTRACTOR'S PROPOSAL

AND
ALTERNATIVES (if applicable)

DRAFT

IFB NO. _____

1. Base Bid \$ _____

If necessary:

2. Fluid Transportation and Handling (cost of truck per hour) \$ _____

3. Fluid Disposal (cost per gallon) \$ _____

CERTIFICATION

The undersigned affirms that they are duly authorized to execute this contract, that this bid has not been prepared in collusion with any other bidder, and that the contents of this bid have not been communicated to any other bidder prior to the official opening of this bid.

Signed by: _____ Title: _____

Typed Name: _____ Company: _____

Phone No. _____ Fax No. _____

E-mail address: _____

Bid Address: _____
P.O. Box or Street City State Zip

Remit Address: _____
P.O. Box or Street City State Zip

Federal Tax ID or Social Security No.: _____

Date: _____