



ACE

CONSTRUCTORS, INC.

STATEMENT
OF
QUALIFICATIONS



ADDRESSES

CORPORATE HEADQUARTERS

ACE Constructors, Inc.
P.O. Box 357490
Gainesville, FL 32635-7490
352.384.0272
352.384.0282 (fax)

ACE Constructors, Inc.
8742 Lone Star Road
Jacksonville, FL 32211
904.726.5990
904/726.5991

Physical Address
4420 NW 36th Avenue
Gainesville, FL 32606

Internet Address
www.aceconstructors.com

BANKING

Wachovia Bank
Gainesville Financial Center
104 N. Main St
Gainesville, FL 32601
Penny Pearson
352.335-3366

BONDING

Collinsworth, Rosenhaus,
Wojtowicz, Mosholder & Associates
4400 140th Avenue, North
Clearwater, FL 33762
Kevin Wojtowicz
727.518.0700

INSURANCE

AON Risk Services
9000 Regency Square Boulevard
Jacksonville, FL 32211
David Liedtke
904.724.2001



PROJECT EXPERIENCE

(A Representative Sample of Completed Projects)

Civil Construction

CLIENT	JOB NAME	LOCATION	DATE
TCI Construction Co.	Avenues Junction on Phillips Highway	Jacksonville, FL	2005
ADB Utility Contractors	Phillips-Belair Development Project	Jacksonville, FL	2005
Lloyds Land Clearing	Grover Road Development Project	Jacksonville, FL	2004
Southern Development Corp.	Bonapart Landing Housing Development	Jacksonville, FL	2004
Jacksonville Airport Authority	Cecil Field Fireloop Interconnection	Jacksonville, FL	2004
Jacksonville Airport Authority	Craig Airport Hangar Service Road	Jacksonville, FL	2004
ADB Utility Contractors (JEA)	JEA Phillips-Belair Water/Sewer Project	Jacksonville, FL	2004
Florida Dept. of Transportation	Yellow Bluff Road	Jacksonville, FL	2004
City of Jacksonville	University Point Stormwater Treatment Ponds	Jacksonville, FL	2003
BKM Architects, Inc. (US NAVY)	Fuel Depot Secondary Concrete Containers	Jacksonville, FL	2003
Red River Army Depot	Lagoon Re-Shaping and Capping	New Boston, TX	2002
U.S. Army Corps of Engineers	Ft. Biggs Concrete Aircraft Loading Apron	El Paso, TX	2002
BKM Architects, Inc.(USACE)	Saint Johns Dredged Material Storage Area	Jacksonville, FL	2002
Ambreco, Inc. (USACE)	Ft. Hood 24" DIP Water Line	Fort Hood, TX	2001
U.S. Dept of Agriculture (NRCS)	Site Clearing & Juniper Mulching	Coryell County, TX	2001
Callejas & Ross (USACE)	Ft. Hood Family Sanitary Sewer Installation	Fort Hood, TX	2000
Sauer, Inc.	NAS Jax. Stormwater Management System	Jacksonville, FL	2000
Textron	Underground Utilities - Industrial Park	Greenville, SC	2000
U.S. Dept of Agriculture (NRCS)	Earthen Dam and Erosion Control Structures	Kileen, TX	2000
CH2M Hill	Regrade Fuel Storage Ponds NAS Cecil Field	Jacksonville, FL	1999
U.S. Dept of Agriculture (NRCS)	Concrete Stream Crossings for Tanks	Fort Hood, TX	1999
U.S. Dept of Agriculture (NRCS)	Stream Bank Reconstruction	Kimble County, TX	1999
Eastern Surplus Co.	Clear & Grade Site of Former Salvage Yard	Meddy Bemps, ME	1998
Englehard Corp.	Nitrate Filter Cake Landfill Phase II	Attapulgus, GA	1998
Englehard Corp.	Nitrate Filter Cake Landfill Phase I	Attapulgus, GA	1996
Motorola	New Parking Facility and Lagoon Reshaping	Plantation, FL	1996
City of Jacksonville	Pickettville Road Landfill Cap	Jacksonville, FL	1995
Textron, Inc.	Irrigation Piping for Spray Fields	Pontiac, SC	1995
Bechtel Corp	Site Grading and Landfill Excavation	Pensacola, FL	1994
ECT, Inc.	Underground Piping for Treatment System	Orlando, FL	1994
Florida Turnpike (FDOT)	Pompano Service Station Parking Lot & Exit Lane	Pompano, FL	1994
Gurr Associates	Rebuild Parking Facility at Baptist Medical Center	Jacksonville, FL	1994
U.S. Air Force	Roads and Parking Lot Repavement	Warner Robins AFB, GA	1993
CSX Transportation	Re-Grade Lagoon and Closure	Waycross, GA	1992
U.S. Air Force	New Bottom Loading Fuel Dispensing Facility	Moody AFB, GA	1991
U.S. Army Corps of Engineers	Site Grading and Paving	Chenault AFB, LA	1991
Anderson Columbia Co, Inc.	Navy Emergency Fuel Line Replacement	Jacksonville, FL	1990
Delta Environmental	Underground Piping for Treatment System	Baldwin, FL	1990
Ecology & Environment	FDOT Right-of-Way Repairs	Palm Beach, FL	1990
Gainesville Regional Utilities	Ash Landfill Stabilization	Gainesville, FL	1990



PREVIOUS CLIENTS

(A REPRESENTATIVE LISTING)

Aero Corp.
A&P Transportation
A-B Distributors, Inc.
ABB Environmental Services, Inc.
Amelia Links Golf Course
American Distributors
American Soil & Waste
ARCO Corp.
Asplundh Tree Co.
Associated Environmental
ATEC Associates, Inc.
Atlanta Testing & Engineers
Barnes Industries, Inc.
Barnett Bank
Bechtel Environmental, Inc.
BP Oil Company
Bradford County School Board
C-E Environmental
CH2M Hill
Cameron Farms
Celotex Corporation
Champion Home Builders
Cherokee
Chevron, USA
City of Jacksonville
City of Lake Butler
City of Lake City
City of Tallahassee
Clarkson Company
Clay County School Board
Coastal Environmental
Columbia Containers Company
Corbitt Cypress
CSX Transportation
Curley & Associates
Delta Environmental Consultants, Inc.
Dixie County School Board
Dixie Environmental
Duval County School Board
E.I. DuPont De Nemours and Company
Earth Management
Ecology & Environment
Emcon, Southeast
Engelhard Corp.
Envirocare
Environmental Consulting & Technology, Inc.
Environmental Science & Engineering, Inc.
Exxon Co., USA
Florida Dept. of Corrections
Florida Dept. of Environmental Protection
Florida Dept. of Transportation
Florida Gas Transmission Co.
Florida Power
Florida Rock
Florida Steel
Florida Wire and Cable Company
Fluor Daniel GTI
FMC Corporation
Gainesville Regional Utilities
Gates Energy Products
Geraghty & Miller
Goetzman Construction
Golder Associates, Inc.
Groundwater Technology, Inc.
Gurr & Associates
GWL
H2O Environmental
Handex of Florida
Haskell Co.
Hazards Services, Inc.
Hillandale Farms
Hillsborough County Airport Authority
Hulcher Resources
Hydro Conduit
Hydro Terra
Industrial Waste East
IT Corporation
IT Environmental Services
ITT Rayonier
Jack Gray Transport, Inc.



PREVIOUS CLIENTS

(A REPRESENTATIVE LISTING)

Jacksonville Electric Authority
Jacksonville Pollution Control
Jacksonville Rubber Production
Jacksonville Shipyards, Inc.
Jacksonville Truck Parts
Jammal & Associates
Jensen of Jacksonville
Jiffy Food Stores
Jim Stidham & Associates
Kerr-McGee Chemical Corporation
King's Metal Recycling
Laidlaw Environmental Services
Lake City Community College
Lane Land Trust
Law Engineering, Inc.
Lawtey Shell
Leak Management
Liberty Mutual
Lil' Champ
M&E Pieco
Mac Dill Air Force Base
Marietta Sand
McCall Services
MGM Environmental
Missimer & Associates
Monfort of Colorado, Inc.
Motorola
National Reclamation Group
Nations Bank
OHM Remediation Services
Omni Environmental
Pepsi Cola Bottling Co.
Petticoat Contracting Co.
Pieco, Inc.
Plantation
Preston Johnson Builders
Refined Metals Corporation
Reichold Chemicals, Inc.
Ring Power
Robert Bates & Associates, Inc.
RSDI Environmental, Inc.
Ryder Truck Rental
S&S Food Stores
Sherwin-Williams Company
Soil Remediation Group
South Florida Water Mangement District
Southeast Leasing & Mangement
St. Augustine Airport Authority
St. Johns County
St. Johns River Water Management District
Sun Bank
Sunstate Recycling
Suwannee County
Texas Natural Resource Conservation Comm.
Textron Inc.
The Clarkson Company
The Haskell Cos.
Toxico
Trac Environmental Services
U.S. Air Force
U.S. Army Corps of Engineers
U.S. Coast Guard
U.S. DOT/USGS
U.S. Navy
U.S. Postal Service
U.S. Technical Environmental Services
Union County School Board
United Parcel Service
University of Florida
VA Medical Center
W.W. Gay
Waste Management of North America, Inc.
Water Equipment Services
Westinghouse Remediation Services, Inc.
Yellow Freight
Zimmermann Environmental, Inc.



**ACE CONSTRUCTORS, INC.
PROJECTS UNDER CONTRACT
JULY 2005**

OWNER	CONTACT	PROJECT DESCRIPTION	PROJECT LOCATION	START	STOP	PERCENT COMPLETE	CONTRACT AMOUNT
CITY OF JACKSONVILLE 117 West Duval Street Jacksonville, FL 32202 JEA 21 West Church Street Jacksonville, FL 32202 CONSTRUCTION MANAGER River City Management Group 1300 River Place Blvd; Ste. 200 Jacksonville, FL 32207	Mr. David Schneider (904) 630-1646	Lone Star Road is the reconstruction of 2-miles of a 2-lane urban highway to a 3-lane highway with bike paths. The new 2-mile road is a lime rock base and 5" of asphalt. The road is a major artery to commercial area and maintenance of traffic is a critical function. Excavation of 100,000 cy for 2-ponds, traffic signalization, signage, stripping, and a 2-mile communication conduit, grassing, and site restoration Other major features: 12,000 lf of 16" water main, 10,000 lf of 8"-30" gravity sewer, 6,000 lf of 8"-30" force main a 3-pump lift station installed at a depth of 30' below grade, 4-miles of concrete curb and gutter and 4-miles of concrete sidewalks.	Jacksonville, FL	Aug-03	Dec-05	71%	<\$10,000,000



ACE CONSTRUCTORS, INC.
RECENTLY COMPLETED PROJECTS
July 2005

OWNER	CONTACT	PROJECT DESCRIPTION	PROJECT LOCATION	STARTED	COMPLETED	CONTRACT AMOUNT
VCP-ROOSEVELT BUILDING. LTD. 31 West Adams Street Jacksonville, FL 32202 CONSTRUCTION MANAGER VESTCOR CONST. SERVICES, INC. 3020 Hartley Rd, Suite 300 Jacksonville, FL 32257	Mr. Clair Millard (904) 260-3030	Performing as the site work contractor for the General Contractor, ACE is installing all new sanitary sewer laterals and manholes from existing building to new location on Adams Street and installing all new storm piping and manholes for new storm system on Monroe Street. All work in the streets is performed at night meeting FDOT and City MOT controls and road construction specifications.	Jacksonville FL	Nov-04	Apr-05	<\$500,000
TCI CONSTRUCTION CO. 1 Sleiman Parkway Sutie 100 Jacksonville, FL 32216	Mr. Joshua Costa (904) 731-4875	ACE performed all the site work for a new strip mall; The Avenues Retail at Chad Road. The project entailed complete site development including clearing, grubbing, importing 5,000 cy of fill to elevate site above existing grade. Also in ACE's contract was the installation of 300 lf of 6" & 8" PVC sanitary sewer pipe, 800 lf of 12" & 15" RCP storm water pipe, and 800 lf of 6" PVC water line. The final phase of the project was paving the parking area with a limerock base and asphalt topping.	Jacksonville, FL	Jul-04	Apr-05	<\$500,000
ADB UTILITY CONTRACTORS 9531 Florida Mining Jacksonville, FL 32257	Mr. Dennis Bollinger (904) 880-7402	The Phillips-Belair Utilities Development Project calls for ACE to install 400 lf of 60" & 72" RCP storm sewer pipe, 5,000 lf of 8" & 10" sanitary gravity sewer pipe that ties into a new lift station. Additional work includes poured-in-place concrete wing walls and head walls, installing manholes and other associated concrete structures.	Jacksonville, FL	Apr-04	Sep-04	<\$500,000
FLA. DEPT. OF AGRICULTURE AND CONSUMER SERVICES 407 South Calhoun Street Mayo Building Room SB-7 Tallahassee, FL 32399	Mr. Lee Barnwell (904) 259-4688	ACE won the contract to create a new helicopter dipping pond to assist in fighting forest fires in Northeast Florida. The project called for the removal and stockpiling of 50,000 cy of material and create stockpiles of excess soil for future use.	John M. Bethea State Forest Baker County, FL	Jul-04	Aug-04	<\$500,000



ACE CONSTRUCTORS, INC.
RECENTLY COMPLETED PROJECTS
July 2005

OWNER	CONTACT	PROJECT DESCRIPTION	PROJECT LOCATION	STARTED	COMPLETED	CONTRACT AMOUNT
JACKSONVILLE AIRPORT AUTHORITY P.O. Box 18018 Jacksonville, FL 32229	Mr. Cecil Poston (904) 741-2227	Craig Field Hanger Service Road is the construction of a new asphalt entrance road that is 1,800 lf long and 24 lf wide. Additionally 3,000 lf of 8" to 12" PVC water main and 1,600 lf of 8" PVC sanitary sewer pipe and one pump station will be installed. All associated stormwater water management devices will be constructed with the road and site restoration and grassing.	Jacksonville, FL	Oct-03	May-04	<\$1,000,000
LLOYDS LAND CLEARING 9440 Rewis Road Jacksonville, FL 32220	Mr. Frank Lloyds (904) 759-1864	This new subdivision, Grover Road Development, calls for clearing, grubbing, and onsite burning of all vegetative growth and the excavation of a major stormwater retention pond on an 8 acre single family housing site.	Jacksonville, FL	Feb-04	Apr-04	<\$500,000
SOUTHERN DEVELOPMENT CORP. 5500 Philips Highway Jacksonville, FL 32207	Mr. George Sayer (904) 727-7483	Two new 150 single family home subdivisions, Bonaparte Landing & Pargue Diane, involved cleaning and grubbing the entire site. Other aspects of the work called for removing all roots and burning all vegetative debris. The site was rough graded to allow the general contractor to finish the building pads.	Jacksonville, FL	Jan-04	Feb-04	<\$500,000
JACKSONVILLE AIRPORT AUTHORITY 13365 Aeronautical Circle Jacksonville, FL 32221	Ms. Diana Stone (904) 573-1604	Cecil Field Fireloop Interconnection project is to replace an existing deteriorated fireline with a new fireline consisting of 3,218 lf of 12" ductile iron pipe that ties in to the existing fireloop line on each end. The contract also requires the installation of fire hydrants, valves, and other control devices. The fireloop pipe line crosses several entrance roads to active facilities. Site cleanup includes reconstructing the asphalt parking lot entrances, grassing and site restoration.	Jacksonville, FL	Nov-03	Feb-04	<\$500,000



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RECENTLY COMPLETED PROJECTS
July 2005

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NASA - JFK SPACE CENTER Kennedy Space Center, FL 32899 PRIME CONTRACTOR HSW Engineering 3820 Norhtdale Blvd. Suite 210B Tampa, FL 33624	Ms. Jeanette Seachrist (813) 968-7722	Installation of SVE and groundwater treatment systems for the removal of TCE contaminated soil and water. Install a dewatering system to lower groundwater table by 10' to allow for the reduction of the contaminant mass by SVE. Task include installing wellpoint dewatering system, install 8-4" vapor extraction wells, construct a treatment building, install SVE equipment, erect 2-45' tall stripping towers, directional bore 360' under RR and street for 12" piping, construct 1,200' of exfiltration galleries, demolish a 55'x95' concrete block and steel building, excavate and ship off-site contaminated soil, and complete site restoration.	NASA-KSC, FL	Dec-01	Feb-04	<\$1,000,000
FLORIDA DEPARTMENT OF TRANSPORTATION 1109 S. Marion Avenue Lake City, FL 32025	Mr. David Weintraub (352) 472-3553	Yellow Bluff Road is the building a new 1/2-mile trunlane on US Highway 17. The project calls for approximately 15,000 tons of asphalt, the installation of storm sewers, storm structures, signage, and stripping. Additionally, the project has clearing and grubbing, maintenance of traffic, grassing, and site restoration.	Duval County, FL	Aug-03	Jan-04	<\$500,000
CITY OF JACKSONVILLE 117 West Duval Street Jacksonville, FL 32202	Mr. Paul Masters (904) 630-1360	The project involved the construction of a four acre storm-water treatment pond with a concrete control structure. Work included draining and dewatering the existing storm-water treatment pond, excavation and disposal of trash materials, mass excavation, laying stormdrains, relocating a force main, building a concrete weir, installing 18" RCP, and complete site restoration.	Jacksonville, FL	Oct-02	Feb-03	<\$1,000,000



ACE CONSTRUCTORS, INC.
RECENTLY COMPLETED PROJECTS
July 2005

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U.S. NAVY SODIVNAVFAC Fleet & Industrial Supply Center 8808 Somers Road Jacksonville, FL 32218 PRIME CONTRACTOR BKM Architects 9141 Cypress Green Dr. Suite 3 Jacksonville, FL 32256	Mr. Radhe Mittal (904) 730-2561	As the major subcontractor, ACE replaced the existing soil-cement containment liners with concrete liners for 7-3,500,000 gallon fuel storage tanks and 2-790,000 gallon storage tanks for waste oil and JP-8 fuel. Approximately 11,830 cubic yards of reinforced concrete was placed at depths of 6" on the bottom and 4" on the slopes. Additional work included poured-in-place concrete steps, striping, conduits lines, and site restoration	Jacksonville, FL	Jun-01	Feb-03	<\$5,000,000
U.S. ARMY CORPS OF ENGINEERS PO Box 4970 Jacksonville, FL 32232 PRIME CONTRACTOR BKM Architects 9141 Cypress Green Dr. Suite 3 Jacksonville, FL 32256	Mr. Radhe Mittal (904) 730-2561	The major subcontractor to construct a dike to store dredged material from the Intercoastal waterway. The dike is located on harvestable standing timber and covers 166 acres. The contract required ACE to harvest the pine trees, clean and grub, excavate 634,000 cy of soil for the dike walls, construct concrete weirs and 22,810 lf of underdrainage, 405 lf of 36" HDPE outfall piping. The job included 26 acres of wetlands mitigation, relocating gopher tortoises, fencing, and grassing 53 acres.	St Johns County, FL	Dec-00	Jan-03	<\$5,000,000
U.S. ARMY CORPS OF ENGINEERS 6380 Morgan Avenue Suite A El Paso, TX 79906	Mr. Samuel Adkins, PE (915) 569-0165	Construct a state-of-the-art ammunition loading complex designed to to load ammunition greater than 50 caliber onto aircraft at Biggs Field. Primary use of complex is to store and load ground-to-air missiles onto C-5A aircraft. Complex was built on a 10-acre reinforced concrete pad that connected to the main runway via a 50 meter wide by 500 meter long taxiway All associated groundwater maintenance, airfield lighting, a 2-kilometer asphalt access roadway, a 2-acre concrete pallet storage pad, sentry building, blast shield and fencing were included in the ACE's prime contract.	El Paso, TX	Nov-00	May-02	<\$10,000,000



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RECENTLY COMPLETED PROJECTS
July 2005

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U.S. DEPT. OF AGRICULTURE NATURAL RES CONSER SERVICE 101 South Main St. Temple, TX 76501	Mr. James Shelton (254) 742-9921	A service contract to mulch Ashe Juniper windrows and live standing Ashe Juniper trees on the Fort Hood Military reservation with minimal ground disturbance. Windrows were rolled and the rocks and barb wire fencing were removed, mulch was spread to a 4"-8" thickness	Coryell County, TX	Sep-00	Mar-04	<\$500,000
U.S. ARMY CORPS OF ENGINEERS PO Box 17300 Fort Worth, TX 76012	Mr. Thomas Christian (254) 532-3047	A subcontract for the installation of 5,400 linear feet of 24" ductile iron pipe potable water force main, which ties into 24" DIP force mains on each end. The project requires jack and boring under a 4-lane divided freeway and under an active railroad. Excavation for the project is in rock.	Fort Hood, TX	Sep-00	Apr-01	<\$1,000,000
U.S. ARMY CORPS OF ENGINEERS 819 Taylor Street Ft. Worth, TX 76102	Mr. Tim Holmes (940) 723-8509	A subcontract for the installation of 3 miles of 12" & 15" PVC sanitary sewer lines to replace existing active lines. Included are setting 52 precast concrete manholes at depths to 25 feet deep. The gravity flow lines run under streets requiring jack and boring techniques and 2 stream crossing where the pipe rack were installed to support the pipes. All work is being performed with minimal disruption to the activities of the Base functions.	Fort Hood, TX	Nov-99	Aug-00	<\$5,000,000
Prime Contractor CALLEJAS & ROSS P.O. Box 1956 Wichita Falls, TX 76307						
U.S. DEPT. OF AGRICULTURE / NATURAL RES CONSER SERVICE 7300 North IH-35 Temple, TX 76501	Mr. James Shelton (254) 742-9921	Install erosion control structures and earthen dams at two locations in Coryell County, Texas. The project involves the excavation of 15,000 cy soil and rock, placement of 112,000 cy of embankment and 2,600 lf of roadway surfacing. Install 140' of 24" CSP and 144' of 36" CSP.	Fort Hood, TX	Jul-99	Mar-00	<\$1,000,000
N.A.S. JACKSONVILLE ROIC Office; Building 13 Jacksonville, FL 32212	Mr. Larry Willis (904) 262-6444	Perform site work for stormwater improvements that includes renovating four existing impoundment ponds and constructing four new ponds. Other civil activities includes cutting drainage channels and site grading.	Jacksonville, FL	Nov-98	Mar-00	<\$1,000,000



ACE CONSTRUCTORS, INC.
RECENTLY COMPLETED PROJECTS
July 2005

OWNER	CONTACT	PROJECT DESCRIPTION	PROJECT LOCATION	STARTED	COMPLETED	CONTRACT AMOUNT
U.S. DEPT. OF AGRICULTURE Natural Resource Conser. Serv. 101 S. Main Street Temple, TX 76501	Mr. James Shelton (254) 742-9921	ACE was the prime contractor to construct 3 stream crossing for combat tanks at the Army's largest military base. This pilot program was to determine the best design from three different concepts, each required different construction techniques and materials. The common design element was concrete: 1) crossing used concrete beams tied together and tethered to the banks, 2) used concrete as grout for large riprap placed on the banks and stream bottom, and 3) used 12'x12' concrete mats laced together and anchored into the banks.	Fort Hood, TX	Nov-98	May-99	<\$500,000
U.S. NAVY SOUTHERN DIVISION Naval Facilities Eng. Command P.O. Box 190010 North Charleston, SC 29419-9010	Mr. Anil Shah (904) 743-6012	Demolish a Fire Training Center consisting of four pads and two buildings. Backfill, compact and pour new concrete pad to match existing grade at each location. Build an outfall pond for stormwater. Pig a section of 10" force main and close-in-place other sections.	Mayport, FL	Sep-98	Feb-99	<\$500,000
U.S. NAVY NAVFAC Navy Public Works Center P.O. Box 30 Jacksonville, FL 32212-0030	Mr. Anil Shah (904) 743-6012	At the Naval Station Mayport, demolish a Quonset hut measuring 250' x 50' and adjacent out-buildings including concrete slabs. Backfill the buildings' footprints and seed. Also remove electrical conduits, close potable water lines and sewer pipes in place. At N.A.S. Jacksonville, demolish two-story wooden barracks while protecting existing steam lines and adjacent shrubbery. Remove building's concrete slab and sidewalks. Backfill to grade and grass.	Jacksonville, FL	Aug-98	Jan-99	<\$100,000



ACE CONSTRUCTORS, INC.
RECENTLY COMPLETED PROJECTS
July 2005

OWNER	CONTACT	PROJECT DESCRIPTION	PROJECT LOCATION	STARTED	COMPLETED	CONTRACT AMOUNT
ENGELHARD CORP. P.O. Box 220 Attapulgus, GA 31715	Mr. Barry Husband (912) 465-2359	Phase II is the addition of two contiguous cells to a Nitrate Filter Cake Landfill requiring the excavation of 150,000 cy of soil and hauling it 4,000' to an on-site spoil area. Included is building a temporary haul road that will be converted to a permanent road and stockpiling the excavated soil according to its permeability. The depth of excavation ranges from 11' to 31'.	Attapulgus, GA	Nov-97	Mar-98	<\$500,000
U.S. NAVY NAVFAC Navy Public Works Center P.O. Box 30 Jacksonville, FL 32212-0030	Mr. Anil Shah (904) 743-6012	Demolish 16 buildings totaling 115,000 sq. ft. and dispose in an approved landfill, backfill, and sod. The buildings include six 2-story barracks, a theater, a gymnasium, a 2-story warehouse, a quonset hut, and several small buildings used for offices, small storage sheds and the old Base Library. Other work includes utility shut-offs, removing HVAC systems, and site restoration.	Key West, FL	Sep-97	Mar-98	<\$1,000,000
U.S. NAVY NAVFAC Navy Public Works Center P.O. Box 30 Jacksonville, FL 32212-0030	Mr. Lee Merrill (904) 542-2124	Complete demolition and disposal of seven structures totaling 65,030 sq. ft. and a 58,000 gal. brine tank. Projects range from the multi-story Old Navy Exchange with an indoor gym to a reinforced concrete munitions structure with a monolithic base and two single-story wood frame office buildings. Utility shut-offs, backfilling the sites, and grass is also included.	Jacksonville, FL	Sep-97	Mar-98	<\$1,000,000

Engelhard Nitrate Landfill

Client Name Engelhard Corporation
Contact Mr. Barry Husband
Address P.O. Box 220; Attapulgus, Georgia 31715
Telephone 912/465-2359
Project Location Attapulgus, Georgia
Performance Period May 95 - Mar 96
Approximate Fee <\$1,000,000

Description

ACE Constructors, Inc. (ACE) was the prime contractor for the installation of a Georgia Department of Environmental Quality (GADEQ) approved sanitary landfill for the placement of nitrate filtercake. The landfill was installed on the side of a hill covered with trees and shrubs.

Clearing and grubbing was performed on approximately 20 acres while ACE installed permanent fencing around the perimeter of the site. The new entrance to the landfill had to be coordinated with local officials and the Georgia Department of Transportation (GADOT).

ACE installed an interception trench upgradient of the landfill to collect and transport the groundwater and natural seeps in the area. The trench was 2,000 linear feet with an average depth of 25 feet. The trench included an 8” HDPE drainpipe and over 7,000 tons of drainage gravel.

The excavation for the landfill included moving 40,000 cubic yards of clay with scrapers to a temporary stockpile for future use as daily cover. ACE recompacted 10,000 cubic yards of subgrade material (clay) and installed 25,000 square yards of Geosynthetic Clay Liner (GCL) material. The first lift of material over the liner was also install by ACE.

The project also included over 6,000 linear feet of stormwater swales, 1,100 linear feet of 24” and 36” reinforced concrete pipe (RCP), and staging areas for the nitrate. ACE contracted an independent engineering firm to perform the QA/QC to complete the landfill and obtain certification from the State of Georgia.



GRU Landfill Stabilization

Client NameGainesville Regional Utilities
ContactMr. Chris Brew, P.E.
AddressP.O. Box 490; Gainesville, FL 32602
Telephone352/374-2855
Project LocationGainesville, Florida
Performance PeriodDec 89 - Jul 90
Approximate Fee<\$500,000

Description

The Owner selected ACE Constructors, Inc. (ACE) as the prime contractor for remediating and capping a five-acre brine and ash landfill. The utility owned landfill is part of their major coal-fired power plant and had developed soft spots in selected locations over the cell's entire surface. The Owner also needed additional space and had received regulatory permission for extending the entire landfill's height.

ACE was responsible developing a blend using the material from the soft spots with additives for stabilizing the integrity of the ash and brine. Material was extracted from the various spots and analyzed for consistency. Then bench-scale testing was performed in our laboratory to determine which blending agents would stabilize the spots in the most cost-efficient manner.

On-site, ACE conducted various test strips in determining the constructability of the bench-test results and the optimal mixing and placing conditions. Once the test strips were completed and additional analytical testing was performed, ACE blended the mixture of fly-ash, bottom-ash, and brine and spread it over the problem areas. Then using a CAT SS250 soil stabilizer we mixed the additives with the landfill's soft spots and compacted each area.

The next phase of the project was placing and compacting low permeability clay over the entire landfill. The cap was specifically designed to allow for the ease of placing additional ash and brine from the power plant's burned coal fuel. Included in the cap design were berms for directing stormwater and run-off and erosion control structures.

Other work on the project included building and maintaining an access road capable of carrying heavy equipment and clay from off-site sources and restoring the site's perimeter areas. All work performed at the site was done while the power plant was fully functional and using the landfill for routine deposits of ash and brine.



Pickettville Road Landfill Closure

Client NameCity of Jacksonville (A Major PRP)
Contact.....Mr. Sam Moussa, P.E.
Address.....City Hall - Rm 1207; 220 East Bay Street; Jacksonville, FL 32202
Telephone904/630-1665
Project LocationJacksonville, Florida
Performance Period.....Jan 94 - Oct 95
Approximate Fee.....<\$5,000,000

Description

ACE Constructors, Inc. (ACE) was the prime contractor for Phase 1A of Pickettville Road Landfill Superfund site, a 52.5-acre industrial waste landfill, which had 13 major PRPs signatories to the site remediation clean up. This hazardous landfill site had served as the City of Jacksonville's industrial waste landfill for many years and was severely contaminated with volatile organic compounds and metals in the soil and groundwater. The landfill was located in an old strip mine and was encroached by an active stream at the southern edge of the facility. Approximately 87,000 cubic yards of hazardous waste had been dumped on a neighboring property, not within the landfill, and had to be relocated to within the landfill's legal geographical boundaries. This remediation task required extensive reconstructing of the landfill, which included excavation, extensive compacting, and the spreading of daily cover under the same guidelines used for a functional landfill.

The project's remediation design plan called for a perimeter, passive gas collection system with perforated pipe, connected to a passive venting system. ACE constructed the system and placed an impervious liner against the outer bank of the trench then backfilled with gravel allowing methane and other gases to collect and escape through the passive collection system that vented to the atmosphere.

The project was designed for the remedial construction to take place in a series of phases. The first phase was to consolidate all waste from outside the immediate boundaries onto the geographical boundaries of the landfill site for permanent storage. The next phase was to excavate selected areas to the bottom of the landfill allowing for visual inspections and the complete removal of all waste at the selected area. This required designing and constructing a massive dewatering operation that was complicated by the requirement that all material that was on-site had to remain on-site. ACE's solution was to construct a series of on-site retention ponds for the containment and management of the water being collected from the dewatering operations allowing it to slowly percolate back into the landfill.

All contaminated water from the equipment decontamination wash racks and personnel decontamination facility had to remain on-site. ACE designed and installed a temporary drain field that allowed the contaminated water to percolate back into the landfill.

ACE worked closely with the Owner throughout the project to overcome obstacles not foreseen in the closure's original design. The Owner was highly complementary of ACE's cost-effective and cost-efficient solutions to the problems encountered and the cooperation ACE was able to solicit from the neighbors whose property bordered the landfill.



Motorola New Parking Facility & Lagoon Closure

Client Name Motorola Inc.
Contact Mr. Joe Alaimo
Address 8000 W. Sunrise Blvd.; Plantation, FL 33322
Telephone 954/723-5474
Project Location Plantation, Florida
Performance Period Jul 96 - Nov 96
Approximate Fee <\$1,000,000

Description

ACE Constructors, Inc. (ACE) was selected as the prime contractor for the final remedial action closure of a RCRA hazardous waste lagoon. The site required unusually special construction precautions, as it was located in a residential area adjacent to condominiums on one side and adjacent to the company's recreational complex on the other side. The site also included within its boundaries a burrowing owl habitat, which required the owls to be protected and relocated prior to the start of any construction.

ACE, in consultation with the client, designed a construction plan to minimize construction activities that would adversely affect the owls and installed temporary barriers to restrict any migration of construction debris from the site and to limit any objectionable views to the neighboring areas. The remediation design plan called for full and complete isolation of the contaminated soils and groundwater at the site. The soil and groundwater were contaminated with high levels of chromium and cadmium. ACE executed a construction plan that fully satisfied all requirements. ACE tilled environmentally safe herbicides into the area to be capped to kill existing vegetation prior to regrading the site in preparation for an asphalt cap.

After regrading the site to form positive drainage, ACE installed a geotextile liner to delineate and isolate the contaminated soils from the new multi-layer cap. ACE then supplied, installed, and compacted to Florida DOT specifications, 12 inches of limestone to form a subgrade. The final layer of the cap consisted of 2-inches of asphalt, which was further prepared and finished for use as an additional employee parking facility.

ACE formed and poured 8'x8'x4' concrete light stands that were designed to withstand hurricane strength winds. All wiring to the stands was pulled through PVC pipe and set six inches below the finished subgrade level. ACE also excavated and reshaped the existing stormwater retention pond and surrounded the pond with aquatic plantings. One side of the lagoon formed part of the drainage swale and ACE laid a concrete barrier along the bank to prevent erosion from the stormwater that would flow into the retention pond. ACE installed an underground sprinkler system for the extensive landscaping that was

put in place around the project in order to make the area aesthetically pleasing to its neighbors.



Industrial Cross-Sewer Elimination

Client NameUnited States Navy
Contact.....Mr. Mike Wadel, P.E.
Address.....ROICC; Box 139; NAS Jacksonville, FL 32212-0139
Telephone904/542-2717 x121
Project LocationJacksonville, Florida
Performance Period.....Oct 89 - May 90
Approximate Fee.....<\$5,000,000

Description

ACE Constructors, Inc. (ACE) was selected as a prime contractor to remediate an NPL site at the Naval Air Station Jacksonville, Florida. Specifically ACE was contracted to remove a number of industrial waste sewer cross connections and industrial waste drain pipes that were connected with the normal storm sewers and storm drainage on the Base and some associated utilities. In addition they were to remove all contaminated soil located around these systems then backfill the excavated areas as required. The main components of the project was the removal and replacement of over 1,200 linear feet of underground storm drain pipes ranging from 48 inch by 76 inch elliptical to 24 inch diameter and the removal and replacement of several underground structures and their associated utilities. In addition, there was approximately 150 cubic yards of soil in and around the drain system that was heavily contaminated with lead, chrome, cyanide, and chlorinated and non-chlorinated solvents, which required removal.

Major activities included the excavation and removal of all contaminated soil, the removal and installation of reinforced concrete pipe (RCP), polyvinyl chloride (PVC) pipe and ductile iron pipe (DIP) in 12 foot deep excavations. Trench boxes were used for shore protection in all deep excavations. In addition to removing and replacing underground piping, new manholes were set. All the excavations were backfilled with clean soil, compacted and paved with asphalt to match the existing roadways, Other activities included installing new oil/water separators, re-plumbing the existing buildings to match the new buried piping, surveying, and soils and materials testing.

There was a significant amount of soil and sludge residing in the pipes that contained elevated levels of chromium and lead (D007/D008 hazardous wastes). This contaminated soil and the sludge was required to be removed from the piping, collected, and then disposed of at an approved, off-site hazardous landfill. ACE separated, characterized, and transported approximately 250 tons of contaminated soil and sludge to an off-site hazardous waste facility during this phase of the project. ACE profiled the waste streams, manifested, and arranged for transportation and disposal in accordance with all local, state, and Federal regulations. Daily air monitoring and sample collection was performed under a site specific Health and Safety Plan (HASp) requiring levels C & D personnel protection equipment (PPE) be worn throughout the seven month project. No exposure related injuries were recorded during the project.

The project site was located in the Centralized Industrialized Area (CIA) on the Base, which was required to remain fully operational throughout the time this remediation project was being executed. ACE's on-site personnel coordinated all remedial construction activities with appropriate Navy personnel to insure minimum interference with Navy operational activities, which reinforced the project's ultimate success.

The Navy recommended that ACE be awarded the highly coveted *Commander's Certificate of Commendation* for ACE's outstanding professionalism and superb workmanship in completing this very complex remedial project.



Textron – Utility Installation & Groundwater Treatment System

Client Name Textron, Inc.
Contact Mr. Jerry Benson
Company Black and Veatch
Address 255 Park Avenue; Suite 904; Worcester, MA 01609
Telephone 617/451-6900
Project Location Greer, South Carolina
Performance Period Nov. 99 – May 2000
Approximate Fee <\$1,000,000

Description

ACE Constructors, Inc. (ACE) was the prime for the construction and installation of a soil and groundwater treatment facility for the remediation of TCE contamination at the former Homelite Facility (currently the John Deere Facility) in Greer, South Carolina. Major components of project included the installation of three high-volume groundwater recovery pumps and a doubly contained force main for carrying contaminated water to the treatment system, construction of the groundwater treatment system, and a 12-inch sewer line to carry treated water for discharge to a local creek. Additionally, a horizontal soil vapor extraction system was installed under John Deere's manufacturing facility, and a 1,370 square foot metal building was erected to house the treatment system.

In constructing the groundwater treatment system, ACE installed 4,260 feet of 12-inch sewer line across an industrial site and through a residential area along Suber Mill Road. An energy dissipating outfall structure was constructed for this line to discharge to Suber Mill Creek. 1,680 feet of 2-inch carbon steel force main was installed to carry water from two of the wells to the treatment system. Because this line was to carry contaminated water, the entire length of this line was contained within 4-inch PVC piping. A 150 feet, double-wall (4-inch x 6-inch) HDPE line was installed from the third well to the treatment system. Approximately 3,700 feet of electrical conduit was installed to provide power and controls to the recovery pumps. In many instances, underground piping was placed below existing water, electric, telephone, and fiber optic lines. ACE maintained trench safety and traffic control throughout the installation.

Two >300 feet soil vapor extraction wells were directionally drilled under the John Deere manufacturing plant. This was accomplished without disrupting any manufacturing production in the plant. An additional 300 feet of 4 inch HDPE was put in place to connect the wells to a vacuum system within the treatment building. A 3-inch carbon steel discharge line was connected to the system and was run overhead to discharge through the roof on the opposite side of the building.

ACE constructed and installed many special features into the treatment system for this project including special controls and sensors, watertight vaults and manholes, special secondary containment for valves and piping, and an effluent discharge outfall to Suber Mill Creek.



Sanitary Sewer Replacement & Extension

Client NameU.S. Army Corps of Engineers
ContactMr. Thomas Christian (Retired)
CompanyU. S. Army Corps of Engineers
AddressEngineers, Inc.
Telephone254/939-6028
Project LocationFort Hood, Texas
Performance PeriodNov. 1999 – Aug.2000
Approximate Fee<\$1,000,000

Description

ACE Constructors, Inc. was the underground utility construction contractor on this project. The project involved the construction and installation of over 17,000 linear feet of 12-inch PVC sanitary sewer pipe and the construction of fifty-two manholes. The construction project was designed to tie the existing sewer system at Robert Gray Airfield into a new lift station and to upgrade the overall sewer system. This construction project required challenging trenching through rock to depths of greater than twenty-five feet, jacking and boring under two roads, two aerial creek crossings, and numerous tie-ins to existing sewer lines. The construction had to be accomplished while working around and among numerous and varying types of existing utilities systems. ACE, through careful planning and execution of the project plan, completed the new line without taking the existing sewer lines out of service and without requiring any other utility interruptions. Much of the construction was accomplished along major transportation corridors in residential family housing areas and along other heavily populated areas of Fort Hood.

One Value Added change recommended by ACE was the relocating of one section of the sewer line from its originally designed routing to a more desirable routing, as the original design routing would have been negatively impacted by existing utility poles. The Corps concurred with this Value Added change and issued ACE a change order to relocate the line. This improvement was accomplished at no additional cost to the Owner. The Corps also accepted another Value Added change that allowed ACE to reschedule the construction sequencing in such a way as to avoid the requirement of setting up a temporary by-pass line to pump sewerage around the permanent line while construction was in progress. Once again, this was accomplished without additional cost to the Owner. This change avoided the requirement to shut down the active sewerage line while connecting and disconnecting the temporary by-pass line.

The Owner expressed extreme satisfaction with ACE's flexibility and willingness in scheduling major construction evolutions so as not to disrupt the military training operations that were being conducted at the Base. ACE was very adaptable to modifying its construction activities so as not to interfere with the normal activities of the personnel housed and conducting commerce at Fort Hood and non-military personnel employed on Base.



Dredged Material Management Area SJ-14

Client NameU. S Army Corps of Engineers
ContactMr. Radhe Mittal (BKM Architects – Prime)
Address9141 Cypress Green Drive; Suite #3; Jacksonville, FL 32256
Telephone904/730-2561
Project LocationSt. Johns County, Florida
Performance PeriodNov 00 - Nov 01
Approximate Fee<\$3,000,000

Description

ACE Constructors, Inc. (ACE) was the major contractor to clear approximately 146 acres of heavily wooded land, including 19.7 acres of wetlands swamp and construct a dike approximately 650,000 cubic yards in size. This facility was constructed for the Florida Inland Navigational District to store dredged material from the Florida Intracoastal Waterway. Major features of the project, in addition to the dike earthwork, include: the installation of 14,000+ feet of dike under-drain, 200+ feet of 24” drainage culvert, corrugated weir structures with appurtenances of 30” and 36” HDPE control culverts and wooden walkways, the construction of 17,000+ square yards of lime rock stabilized roadways and ramps, the excavation of approximately 10,000 linear feet of perimeter ditch, wetland mitigation of 19.7 acres, the installation of groundwater monitoring wells, and the installation of approximately 13,000 linear feet of chain link fence.

Several unforeseen conditions on the site presented ACE with challenges to overcome. The depth of muck to be removed from the existing wetlands was four to five times greater than the Engineer’s borings indicated. ACE worked with the Owner to minimize the area the dike foot-print was reduced. The plan design for the dike under drains created saturated conditions on the perimeter roadway at the out-fall locations, and the perimeter fence had to be installed through existing old growth wetlands, with swamp depths up to four feet. In each of these cases, ACE offered innovative, cost-effective engineering solutions to the Owner. The implementation of these solutions enabled ACE to complete the project on time.

ACE constructed containment *corrals* to separate endangered wildlife species from the construction area. All work was coordinated to facilitate isolation and removal and/or relocation of these species as needed.

The Owner and the Engineer were both complementary of the quality of work performed by ACE and the willingness of ACE to work with the Owner to overcome construction problems with minimal impact on the success of the project and its completion.



Turnpike Exit Ramp Rehabilitation

Client Name Florida Department of Transportation/Turnpike
Contact Mr. Paul Barcia, Sr.
Address 2000 S. Andrews Avenue; Ft. Lauderdale, FL 33316
Telephone 954/767-6050
Project Location Palm Beach, Florida
Performance Period Aug 90 - Aug 90
Approximate Fee <\$500,000

Description

ACE Constructors, Inc. (ACE), as the prime contractor, prepared shoring plan, excavated, removed for thermal treatment, and backfilled over 2,300 tons of jet fuel contaminated soil from the scene of an overturned tanker. All soil with OVA reading greater than 50 parts per million was excavated for off-site thermal treatment. The spillage was contained in the grassy area between the entrance and exit ramps on the east side of the busy Florida Turnpike - Palm Beach Garden toll plaza.

ACE's Project Manager devised an excavation plan that eliminated the need for driving sheeting along the exit ramp and the savings were passed along to the client. The shoring was eliminated by excavating small amounts of contaminated soil and immediately backfilling the area with clean soil. Thus preventing the roadbed from sliding towards the pond below the exclusion zone.

Excavation was at the edge of turnpike ramp and work included maintenance of traffic according to Florida Department of Transportation's Lane Closure Policy. This required the use of Type II barricades with steady burn lights and restricted working hours. A flagman was used to stop traffic whenever a truck loaded with contaminated soil left the exclusion zone or when the truck returning with clean backfill entered the exclusion zone.

After removing all the contaminated soil, ACE restored the site to its original condition. This work included sodding the site disturbed during rehabilitation and replacing the palm trees. They also installed monitoring wells for the DOT's monitoring plan.

All work was in accordance with State of Florida Department of Transportation Standard Specifications 1986 Edition for Roadway and Bridge Construction and the State of Florida Standard Index for Roadway & Traffic Design, 1990 Edition.



Ammo Hot-Load Area

Client NameUnited States Army Corps of Engineers
ContactMr. Samuel Adkins, P.E.
Address6380 Morgan Avenue, Suite A, El Paso, Texas 79906
Telephone(915) 569-0165
Project LocationFort Bliss, Texas
Performance PeriodNov. 00 – May 02
Approximate Fee<\$10,000,000.00

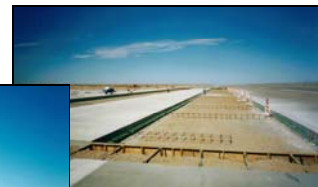
Description

ACE Constructors, Inc. (ACE) was the prime contractor for the construction of a state-of-the art ammunition loading complex designed to load ammunition greater than fifty-caliber onto aircraft at Biggs Field in El Paso, Texas. The primary use of the complex is to store and load modern ground-to-air missiles onto C-5A aircraft for transport to forward areas. This extensive ammunition loading complex when completed consisted of a ten-acre reinforced concrete lighted loading pad, a two-acre reinforced concrete staging pad, a 50 meter wide by 500 meter long taxiway connecting the loading pad to the runways, a steel storage/maintenance building, an extensive roadway to transport ammunition to the loading site and a comprehensive drainage system.

This project involved utilizing the latest construction techniques and an up-to-date construction and quality management systems. ACE constructed a three-kilometer long firewater main with booster pump to provide fire protection for aircraft and structures within the complex. In addition, the complex was completely equipped with a state-of-the-art lighting system. ACE constructed a 368-millimeter thick ten-acre reinforced concrete aircraft loading pad that was equipped with aircraft tie-downs, grounding points and high mast lighting. A 500-meter long concrete taxiway that connected the aircraft loading pad with the existing runway. This taxiway was constructed to exact smoothness specifications utilizing profilograph equipment to verify specifications. In addition, ACE constructed approximately 6,000-feet of 100 feet-wide asphalt shoulders around the perimeter of the loading pad and along the sides of the taxiway. Taxiway lighting, striping and signage were installed for traffic control. A section of the existing concrete runway was demolished and reconstructed with 508-millimeter thick concrete at the taxiway and runway tie-in point. This work was performed near the mid-point of the runway and was accomplished without interrupting the continuous operational use of the runway. ACE constructed a state-of-the-art drainage control system for the entire complex utilizing grading and drainage control structures including rock layers and perforated high density polyethylene pipe (HDPE) piping under the concrete pads and taxiway.

A two-acre concrete pallet storage pad and storage building was built to stage and store munitions prior to loading onto aircraft. A jet blast fence was constructed between the storage building and the aircraft loading pad for protection against jet blast in the storage and staging area.

A two-kilometer long asphalt access roadway with intersections at the junction of two existing roadways was constructed to transport missiles to the loading complex. All associated striping and signage, a sentry station, fencing and lighting was installed at the facility.



Fort Hood Sediment Control Structures

Client Name United States Department of Agriculture
Contact Mr. James Shelton
Address 101 South Main Street, Temple, Texas 76501
Telephone (254) 742-9922
Project Location Fort Hood, Texas
Performance Period July 99 – Apr. 00
Approximate Fee <\$1,000,000.00

Description

ACE Constructors, Inc. (ACE) was the prime contractor for the construction of a two earthen dam sediment control structures in the Belton Lake watershed at Fort Hood, Texas.

The project involved the extensive excavation of earth and rock which was required in order to provide material for the construction of the two earthen dams which were designed with rock and clay cores. Construction took place during a drought period and required that ACE haul water to the site, a distance of up to seven miles as the local supply wells had gone dry. Both dams were 2,100 feet long with one dam built up thirty-one (31) feet above existing grade and the other dam was raise to an elevation of thirty-four (34) feet above existing conditions. The dams were designed and constructed to contain over 32,000,000 gallons of water. Principal spillways were built within the dams and concrete emergency spillway structures were constructed on the top of each dam. Access roadways were constructed to the dams and along the top of each dam. The emergency spillways and roadways were constructed to withstand regular tank and other military traffic during exercises at Fort Hood.

The dams were constructed precisely to specifications utilizing on-site materials and total quality management There were no punch list items when the dams were completed and the USDA commended ACE on the fact that the dams were the best structures that had ever been built for the USDA.



Chenault Airpark Aviation UST Removals

Client NameU.S. Army Corps of Engineers, New Orleans District

ContactMr. Phil Brouillette

Address825 Kaliste-Saloom Road

Telephone318/235-7780

Project LocationLake Charles, Louisiana

Performance PeriodMay 94 - Feb 95 & Jun 91 - Aug 91

Approximate Fee<\$5,000,000

Description

ACE Constructors, Inc. (ACE) was awarded two competitively bid contracts to remove 86 UST's and to perform the required remedial actions to restore the former Chenault Air Force Base to acceptable condition for its return to the City of Lake Charles. Prior to the initiation of work, detailed work plans, site safety and health plans, chemical data acquisition plans, and contractor quality control plans were prepared and approved. Much of the work was required to be performed in highly restricted areas, which necessitated close schedule coordination with numerous entities within the base to prevent disruption of airfield operations, and to limit our downtime disruptions to the remedial efforts.

ACE cleaned, tested, and removed (42) 50,000 gallon, (28) 25,000 gallon, (8) 6,000 gallon, (5) 5,000 gallon, and (3) 2,000 gallon UST's. In addition, over 20,000 linear feet of underground piping was cleaned, tested and removed, along with the removal and closure of (126) fight-line fuel stations for B-52 bombers.

Over 3,000,000 gallons of contaminated tank liquids and groundwater were pumped through a portable remediation system, which ACE erected. Water was decontaminated and treated by a process that required it to pass through an oil/water separator, an air stripper, and a carbon polishing vessel prior to discharging into the city's stormwater system. ACE also removed 25,000 tons of petroleum contaminated soils from the tank pit areas for off-site disposal.

Asbestos lined equipment shelters and electrical buildings were decommissioned and demolished. The asbestos containing materials were bagged and sent to an approved off-site landfill licensed to accept asbestos. All hazardous materials removed were transported to an RCRA approved off-site hazardous waste landfill.

For its performance on the jobs, ACE was awarded the coveted *Certificate of Appreciation for Outstanding Performance* by the U.S. Army Corps of Engineers - New Orleans District.



United Creosoting Superfund Site

Client Name Texas Natural Resource Conservation Commission
Contact Mr. Alan Etheridge
Address Technical Park Center; 12118 North IH-35; Austin, TX 78753
Telephone 512/239-2139
Project Location Conroe, Texas
Performance Period Nov 95 - Mar 98
Approximate Fee >\$10,000,000

Description

As the prime contractor, ACE Constructors, Inc. (ACE) was the major excavation contractor for this Superfund project which requires the excavation, processing, and placement of over 115,000 tons of creosote contaminated soil. Main contaminants are PCP, dioxin and furons.

The site was prepared by clearing and grubbing four areas, installing perimeter monitoring systems, and securing the site with over 4,500 linear feet of fence and 24 hour monitored security. Over 1,800 linear feet of high pressure fire main, 2,000 linear feet of potable water lines were laid, and all existing electrical, telephone, and gas utilities were relocated.

Over 2,500 cubic yards of concrete foundations and slabs were poured and two pre-engineered metal buildings have been erected. These buildings enclose a total of 38,000 square feet and contain a material handling system to process the clay material to minus ¼" ACE designed an environmental ventilation system to maintain a consent level of clean air while work is performed within the buildings.

Creosote will be extracted from the soil using liquid propane in a critical-fluid-extraction process. After the soil is treated and deemed acceptable, it will be placed back in the excavated area and compacted.

Two 5,000-square foot fabric portable buildings, with the same ventilation system, have been erected to cover the area during the excavation of the contaminated soil. The capacity of the existing water treatment system was increased by 300% to process the contaminated water on-site.



Red River Army Depot Munitions Incinerator Decommissioning

Client NameU.S. Army Corps of Engineers, Fort Worth District

ContactMr. Oscar Linebaugh

Address280 Miller Rd; Bossier City, Louisiana 71112-2505

Telephone318/676-3365

Project LocationTexarkana, Texas

Performance PeriodJul 95 - Dec 95

Approximate Fee>\$1,000,000

Description

ACE Constructors, Inc. (ACE), was the prime contractor for decommissioning and demolishing an inactive munitions incinerator. The work included the dismantling and demolishing of a large incinerator building that housed the incinerator, dismantling of the incinerator and its appurtenances, removal of the conveyor system, soil sampling and analysis, and excavation and disposal of soils that were contaminated with high levels of lead, cadmium, and chromium.

A significant element of the project consisted of dismantling and relocating the incinerator drum and its associated appurtenances for future salvage. This equipment required extensive decontamination and clean-out to remove all traces of hazardous materials. All decontaminated equipment was sent to the base DRMO to be reused, recycled, or sold to a salvage/reclaim facility.

The work further involved the disconnection and relocation of active propane tanks and their associated piping, the demolition and decontamination of 11,000 square feet of metal landing mats, slabs, foundations, and sumps for collecting heavy metals. ACE dismantled and removed metal slag bins, blast walls, conveyors, and buildings. A total of 8,000 square yards of heavily reinforced concrete was demolished along with the concrete walls of the incinerator building. The concrete was transported to ACE's onsite storage facility for final crushing and recycling. ACE used mini-rams for monitoring fugitive dust, which was controlled by spraying water on the facility. The water was collected and processed on-site at the Depot's WWTP.

The original contract estimated the amount of contaminated soil at 4,500 cubic yards. Post excavation sampling revealed that contaminated soils extended beyond the initial excavated areas. ACE, in consultation with the Corps, determined the extent of the remaining contaminated soil. The Corps issued a change-order directing ACE to excavate an additional 5,000 cubic yards of soil. Further testing of the soils indicated that approximately 1,000 tons of the excavated soil was not severely hazardous and could be treated to a non-hazardous condition making it available to be deposited at the Depot's on-site landfill. Of the remaining soil, approximately 3,500 cubic yards of the most severely hazardous waste soil was characterized, loaded into dump trucks, manifested, and transported to an approved off-site hazardous waste landfill.



Naval Air Station - Key West Building Demolition

Client NameU.S. Navy
ContactMr. Anil Shah
Address7236 Merrill Road; Jacksonville, Florida 32277
Telephone904/743-6012
Project LocationNAS Key West, Florida
Performance PeriodSep 97 – Mar 98
Approximate Fee<\$1,000,000

Description

ACE Constructors, Inc. (ACE) was the major subcontractor to demolish 16 buildings totaling over 115,000 square feet. The buildings included barracks, movie theaters, gymnasiums, warehouses, and quonset huts. Working through the prime contractor, ACE prepared plans, arranged schedules and coordinated the daily demolition activities with on-site Navy personnel assuring that no Base functions were adversely affected during the demolition process.

Many of the buildings were in close proximity to overhead electrical lines and transformers requiring ACE personnel to closely plan and monitor the movements of demolition equipment and maintain direct communications with the equipment operator at all times to ensure maximum safety. Other on-site safety procedures included encircling each demolition site with construction caution tape and safety cones. No injuries or safety related incidents occurred during this demolition project.

In order to protect and save the surrounding palm trees growing adjacent to the buildings to be demolished, ACE gutted the buildings' interiors then pulled the exterior walls inward, which contained the demolition debris to a small area. Dust was suppressed by constantly spraying the water on the affected areas. Much of the material from the buildings was recycled at area facilities. The reusable items were donated to local charities.

Upon the demolition of each structure, ACE personnel backfilled, compacted, and graded each site prior to sodding. By implementing effective and efficient demolition procedures, ACE completed the work under the original estimate while meeting a demanding demolition schedule. The project team received numerous complements from Navy personnel involved in overseeing and approving the project.



Building Demolition - N.A.S Jacksonville & Naval Station Mayport

Client NameU.S. Navy (Shah Construction Company)

ContactMr. Anil Shah

Address7326 Merrill Road; Jacksonville, Florida 32239

Telephone(904) 743-6012

Project LocationMayport and NAS Jacksonville, Florida

Performance PeriodSep 97 – Mar 98

Approximate Fee<\$100,000

Description

ACE Constructors, Ins. (ACE) was a major subcontractor to Shah Construction Company for the demolition of two buildings, which were located on different active military Bases. The project included plan submittals; demolition of steel and wood framed buildings with concrete slabs, PCB removal, and site restoration. A priority was to accomplish the project in such a manner as to cause minimal disruption to normal Base activities.

At Naval Station Mayport, ACE was tasked to demolish a steel 2,000 square-foot steel Quonset hut that was situated in close proximity to other buildings and an elevated bank of active large electrical transformers. Special precautions were required to protect the surrounding buildings and transformers during the demolition activities after disconnecting and capping all utilities. ACE dismantled/demolished the steel building using acetylene torches and a hydraulic excavator. The steel was loaded into trucks and shipped off-site to a metal reprocessing facility. The slab and foundations were excavated, then broken in to manageable pieces using a hydraulic hammer attached to a backhoe. The demolished concrete was loaded into trucks and delivered to an off-site crushing facility to be recycled. The site was backfilled, compacted, and graded for positive drainage and then seeded.

At Naval Air Station Jacksonville, ACE was tasked to demolish a 5,000 square-foot two-story wooden structure that had been used as a library. All vegetation that were specified by the Navy were protected with fencing and caution tape prior to any site activity. Active steam lines that ran through the building were isolated, shut down, drained, cut, and then capped. All HVAC units were drained, salvaged of all CFC's, and returned to the Navy. The PCB ballasts were removed, packaged as specified, and returned to the Navy for their disposal.

The structure was torn down working inside out, this allowed ACE to use the existing concrete slab for stockpiling and loading of the material and to preclude damage to the surrounding environment. The walls were pulled to the inside. This technique proved quite successful in maintaining demolition debris in a contained area that facilitated debris removal and caused no damage to surrounding areas. The concrete was broken up in the same manner as the previous site and shipped off-site to be recycled. The site was backfilled, covered with topsoil and sod placed as required. ACE maintained the sod for 120 days after which it was accepted by the Navy.

The demolition of the buildings and site restoration activities at both sites did not interfere with the Navy's operations on either Base. ACE and the prime contractor received complements from Navy construction management

personnel for the speed and efficiency at removing the buildings and that ACE scheduled demolition and site restoration activities not to interfere with the Navy's on-going activities.

