

September 30, 1991

Soil Vapor Extraction (SVE) Treatment System
Construction Work Scope
Ingersoll Rand, San Leandro, California

Gentlemen:

You are invited to bid on the attached Scope of Work. A bid walk will be held at 9:00 A.M., October 8, 1991. Prospective bidders will meet at the gate at 1944 Marina Boulevard in San Leandro, California.

Contractors that have not done so before must complete the attached Pre-Qualification package and submit it with the bid, which is due October 14, 1991 at Noon, to our Martinez offices. The bids should be addressed to Mr. Rudolph Millan. Contract will be assigned on or before October 18, 1991.

Please contact Mr. Rudolph Millan at (510) 372-9100 if you have any questions.

Sincerely,

William Schaal
Project Manager

WS:lpj
Enclosures

**INGERSOLL RAND
1944 Marina Blvd.
San Leandro, CA.
IT Project #198155.01**

Soil Vapor Extraction (SVE) Treatment System Construction Work Scope

1. Contractor shall provide all materials necessary to build the equipment compound as shown in Figures 2a and 2b.
2. Contractor shall provide all materials to provide power to the equipment compound via a trench as shown on Figures 1 and 3. The location of the existing power panel is approximate, and one or more all penetrations may be necessary to connect the conduit to the power panel. Conduit within the shed and the building may be hung on walls, as excavation may be too difficult in these areas.
3. Contractor shall provide all labor necessary to construct all structures and install all equipment as described in (1) and (2) above.
4. Contractor shall obtain any necessary permits, excluding only the Bay Area Air Quality Monitoring District Permit.
5. Contractor shall be responsible for insuring that all work complies with all applicable codes.
6. All electrical illustrations in the compound and within 25 feet of the compound shall be Class I, Division 2 (explosion proof).
7. Any changes in scope, configuration, materials and/or design shall be approved in writing by the designated IT representative. This representative, who will be appointed at the time the contract is assigned, will be the only individual that can authorize any deviations from the work scope. All change orders must be approved in advance by the IT representative.
8. The work scope will include start-up of the system. Start-up is defined as powering up the blower and confirming that air flows freely through the system from VW3 to the discharge stack.
9. all work will be done in a neat, workman-like manner, and all debris will be removed from the site after completion. Any alterations to surrounding areas that contractor makes to facilitate the work shall be reversed to their previous conditions.
10. Work is to commence by October 19, 1991. All work is to be completed by November 19, 1991.

**BIDDERS LIST
INGERSOLL RAND
SOIL VAPOR EXTRACTION (SVE) TREATMENT SYSTEM
MAINTENANCE FACILITY
1944 MARINA WAY, SAN LEANDRO, CALIFORNIA**

**Mr. Jim Keller
Blaine Technical Services, Inc.
1370 Tully Road, Suite 505
San Jose, California 95122**

Telephone: (408) 995-5535

**Construction Manager
Hageman and Aguiar, Inc.
3732 Mount Diablo Boulevard
Lafayette, California 94549**

Telephone: (510) 284-1661

**Mr. Chuck Bartholomew
IT Corporation
Remediation Services
4575 Pacheco Boulevard
Martinez, California 94553**

Telephone: (510) 372-9100

**Ms. Ann Kuffner
OHM Remediation Services Corporation
2950 Buskirk Avenue, Suite 315
Walnut Creek, California 94596**

Telephone: (510) 256-7187

**Mr. Doug Danneman
Remediation Services, Inc.
1181 Quarry Lane, Building 350
Pleasanton, California 94566**

Telephone: (510) 462-4002

**INGERSOLL RAND
1944 Marina Blvd.
San Leandro, CA.
IT Project #198155.01**

Soil Vapor Extraction (SVE) Treatment System Construction Work Scope

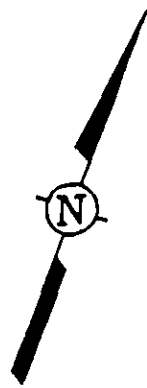
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DRAWING NUMBER 198154-A1

CHECKED BY APPROVED BY

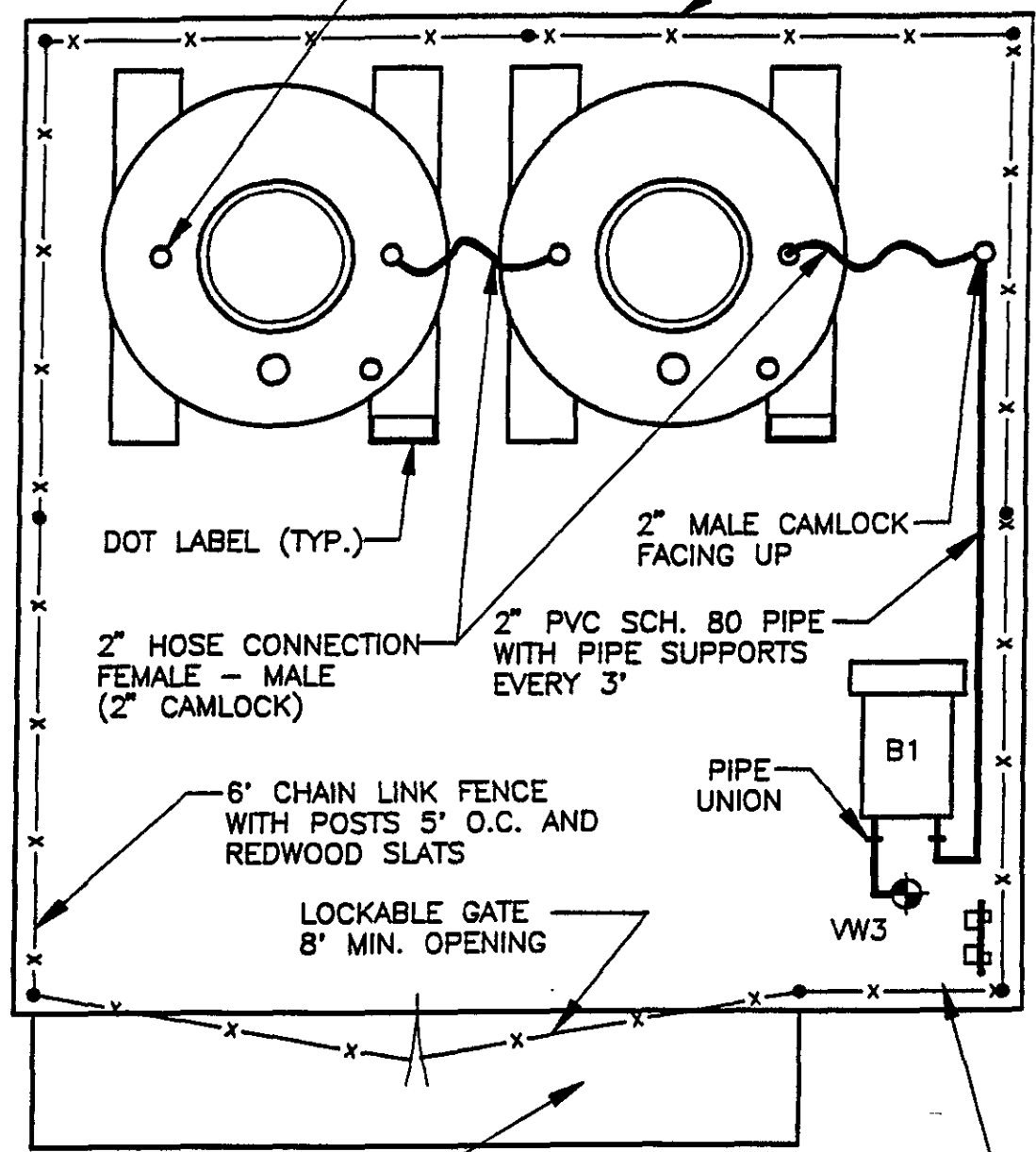
T.R.S. 9-11-91

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2" Ø SCH. 80 PVC STACK (4' LONG)

CONCRETE PAD 10'-6" x 10'-6"



DOT LABEL (TYP.)

2" MALE CAMLOCK FACING UP

2" HOSE CONNECTION FEMALE - MALE (2" CAMLOCK)

2" PVC SCH. 80 PIPE WITH PIPE SUPPORTS EVERY 3'

6" CHAIN LINK FENCE WITH POSTS 5' O.C. AND REDWOOD SLATS

LOCKABLE GATE 8' MIN. OPENING

PIPE UNION

VW3

20" CONCRETE APRON SLOPED TO MEET GRADE

CLASS 1 DIV. 2 BLOWER CONTROL SWITCH 110V OUTLET

B1: ROTRON DR-454W58 BLOWER (SEE CATALOG CUT) NOTE: MUST BE MOUNTED ON A 4" PEDESTAL

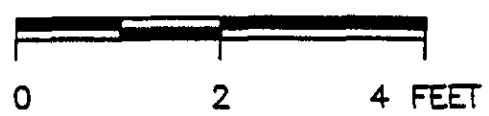
C1 & C2: WEST STATES VENT-SCRUB 1200 (SEE CATALOG CUT) CANISTERS SHOULD INCLUDE THE FOLLOWING: 2 EACH, 2" MNPT TO F-CAMLOCK ADAPTERS 1 EACH, 2" MNPT TO M-CAMLOCK ADAPTER

FIGURE 2-a

EQUIPMENT COMPOUND PLAN VIEW

PREPARED FOR INGERSOLL-RAND CORPORATION 1944 MARINA BLVD. SAN LEANDRO CALIFORNIA

APPROXIMATE SCALE



INTERNATIONAL TECHNOLOGY CORPORATION

198154-A3

DRAWING NUMBER

CHECKED BY
APPROVED BY

J. BERA
9-11-91

DRAWN BY

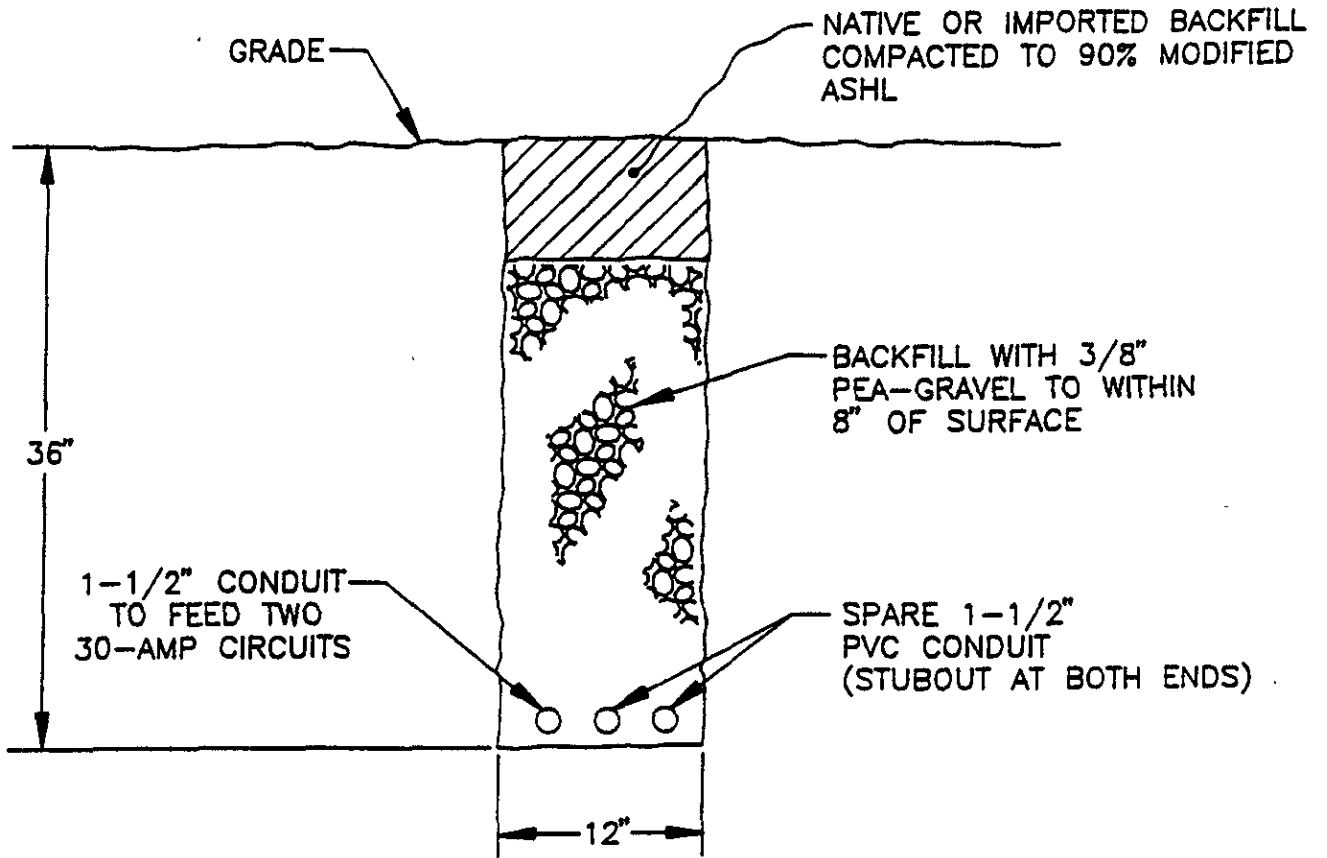
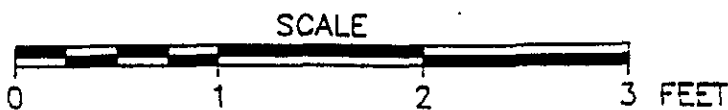


FIGURE 3

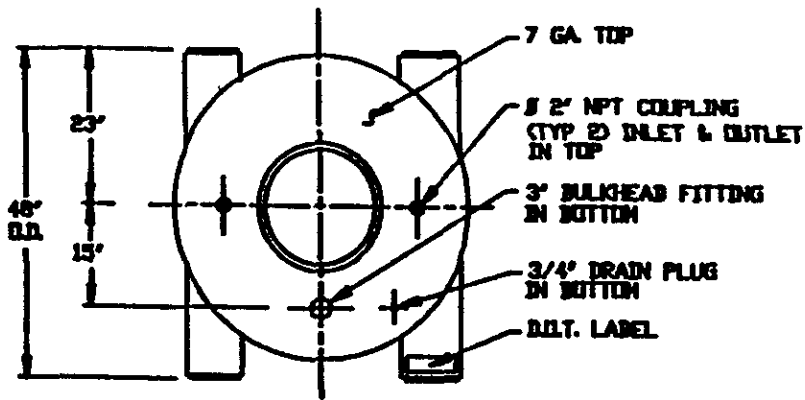
POWER CONDUIT
TRENCH DETAIL

PREPARED FOR

INGERSOLL RAND
1944 MARINA BLVD.
SAN LEANDRO, CALIFORNIA

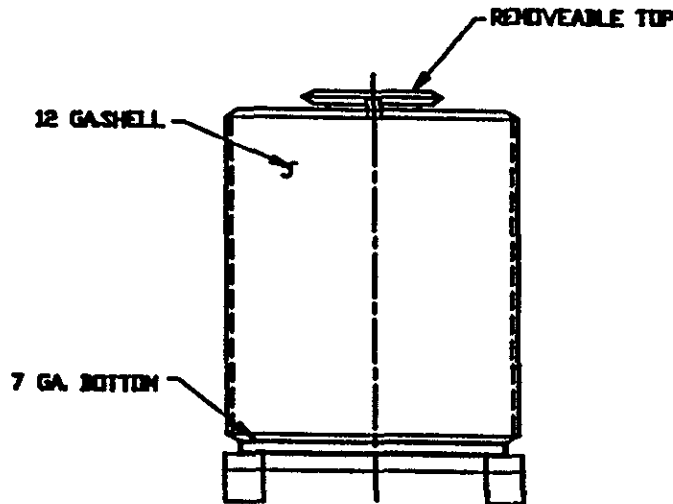
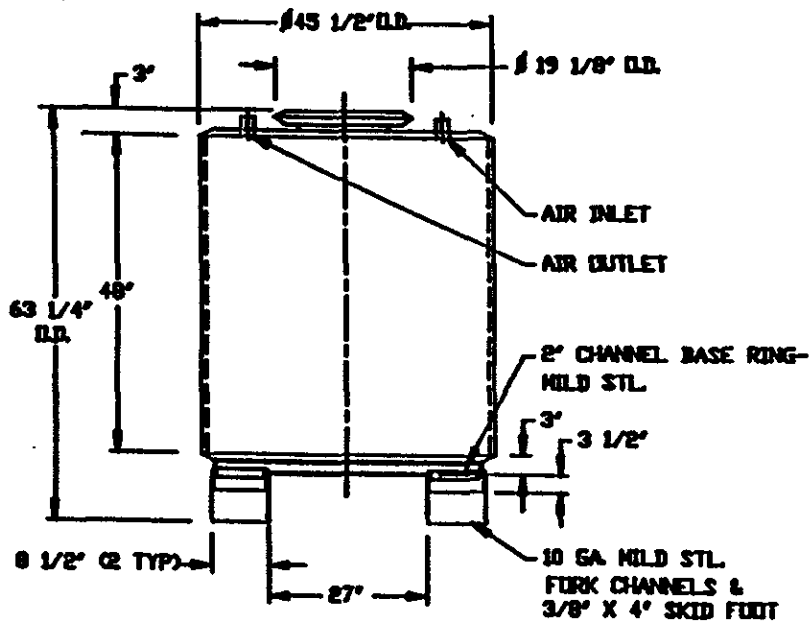


INTERNATIONAL
TECHNOLOGY
CORPORATION



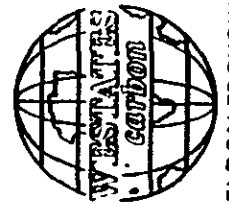
NOTES:

1. ALL WETTED PARTS CARBON ST. A570C BINS COMPLY TO D.O.T. SPEC 68 FEDERAL REGULATIONS FOR THE TRANSPORTATION OF HAZARDOUS MATERIALS.
2. INTERNALS PTC
3. FULLY COATED EPOXY BAKED
4. 304 S.S. OPTIONAL
5. MAXIMUM PRESSURE 12 PSI




2130 LEO AVENUE
 LOS ANGELES, CALIFORNIA 90040-1634
 TWX 910/321-2355
 FAX 213/722-8207

PETER JAMES GUICHARD



(415) 596 1761

FIELD SALES ENGINEER

DESIGN NO	SCZ	 WESTATES CARBON 2130 S. LEO AVE. LOS ANGELES CA. 90040
REVISION	10-18-88	
	1-17-89	
		TANK VENT SCRUB 1200 2" INLET & OUTLET
SOLD MTR	DATE 8-24-88	REVISED MVO02A

DR 454 Regenerative Blower

FEATURES

- Manufactured in the USA
- Maximum flow 127 SCFM
- Maximum pressure 65" WG
- Maximum vacuum 4.3" Hg
- 1.5 HP standard
- Blower construction—cast aluminum housing, impeller and cover
- Inlet and outlet internal muffling
- Noise level within OSHA standards
- Weight: 73 lbs. (33 Kg)

ACCESSORIES

- External mufflers
- Slip-on flanges
- Inlet and/or inline filters
- For details see Accessories Section

OPTIONS

- Smaller horsepower motors
- 575-volt and XP motors
- Surface treatment or plating
- Single or three phase motors
- Gas tight sealing
- Belt drive (motorless) model; for detail see Remote Drive Section

