

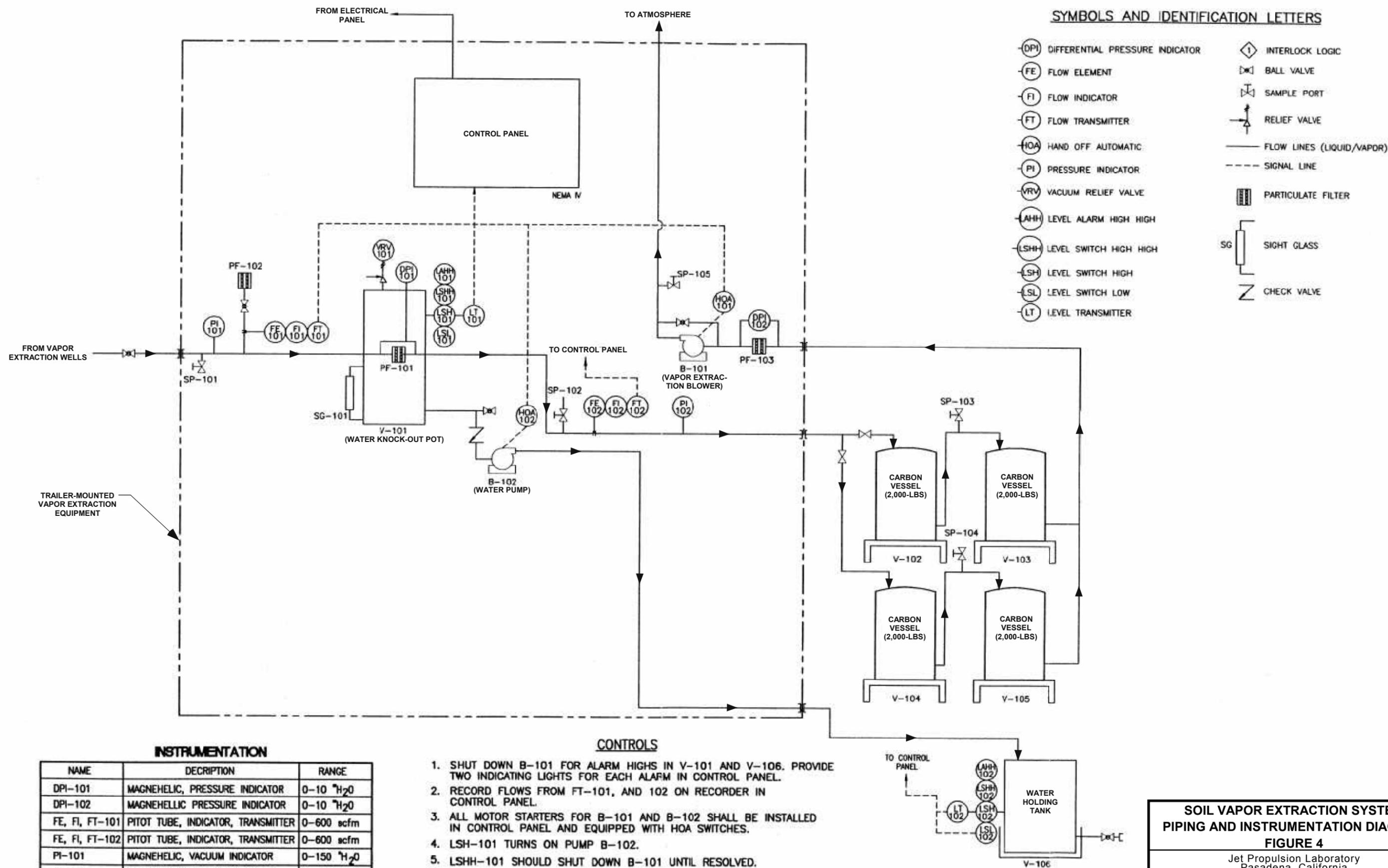
SCREEN A: 12'-62' BGS
SCREEN B: 76'-126' BGS
SCREEN C: 140'-195' BGS

**WELL CONSTRUCTION DIAGRAM
SVE WELL VE - 04
FIGURE 3**

Jet Propulsion Laboratory
Pasadena, California



Date: February, 2002
Contract No.: N68711-01-D-6008
DO No.: 0001



SYMBOLS AND IDENTIFICATION LETTERS

- (DPI) DIFFERENTIAL PRESSURE INDICATOR
- (FE) FLOW ELEMENT
- (FI) FLOW INDICATOR
- (FT) FLOW TRANSMITTER
- (HOA) HAND OFF AUTOMATIC
- (PI) PRESSURE INDICATOR
- (VRV) VACUUM RELIEF VALVE
- (LAHH) LEVEL ALARM HIGH HIGH
- (LSHH) LEVEL SWITCH HIGH HIGH
- (LSH) LEVEL SWITCH HIGH
- (LSL) LEVEL SWITCH LOW
- (LT) LEVEL TRANSMITTER
- ◇ INTERLOCK LOGIC
- ⊞ BALL VALVE
- ⊞ SAMPLE PORT
- ↑ RELIEF VALVE
- FLOW LINES (LIQUID/VAPOR)
- - - SIGNAL LINE
- ▭ PARTICULATE FILTER
- SG SIGHT GLASS
- Z CHECK VALVE

INSTRUMENTATION

| NAME | DESCRIPTION | RANGE |
|----------------|------------------------------------|-------------------------------------|
| DPI-101 | MAGNEHELIC, PRESSURE INDICATOR | 0-10 ³ H ₂ O |
| DPI-102 | MAGNEHELIC PRESSURE INDICATOR | 0-10 ³ H ₂ O |
| FE, FI, FT-101 | PITOT TUBE, INDICATOR, TRANSMITTER | 0-600 scfm |
| FE, FI, FT-102 | PITOT TUBE, INDICATOR, TRANSMITTER | 0-600 scfm |
| PI-101 | MAGNEHELIC, VACUUM INDICATOR | 0-150 ³ H ₂ O |
| PI-102 | MAGNEHELIC, VACUUM INDICATOR | 0-150 ³ H ₂ O |
| VRV-101 | VACUUM RELIEF | 10 ³ Hg |

CONTROLS

1. SHUT DOWN B-101 FOR ALARM HIGHS IN V-101 AND V-106. PROVIDE TWO INDICATING LIGHTS FOR EACH ALARM IN CONTROL PANEL.
2. RECORD FLOWS FROM FT-101, AND 102 ON RECORDER IN CONTROL PANEL.
3. ALL MOTOR STARTERS FOR B-101 AND B-102 SHALL BE INSTALLED IN CONTROL PANEL AND EQUIPPED WITH HOA SWITCHES.
4. LSH-101 TURNS ON PUMP B-102.
5. LSHH-101 SHOULD SHUT DOWN B-101 UNTIL RESOLVED.
6. LSHH-102 SHOULD SHUT DOWN B-101 UNTIL RESOLVED.

**SOIL VAPOR EXTRACTION SYSTEM
PIPING AND INSTRUMENTATION DIAGRAM
FIGURE 4**

Jet Propulsion Laboratory
Pasadena, California

GEOFON
LABORATORIES

Date: February, 2004
Contract No.: N68711-01-D-6008
DO No.: 0001