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Mailing Address: PO Box 25285 • Nashville, TN 37202

BLASTING LOG DATA

| | | | | | |
|--|--|---|--|---|--|
| COMPANY: Sanders Construction | | JOB NAME: Jericho Heights | | BLASTER IN CHARGE (NAME) / ID NO.: Dennis Muaina | |
| DATE: 05/7/2007 | | TIME FIRED: 14:05 | | CITY, STATE HENDERSON, NV | |
| SHOT LOCATION (GPS) N35 58.691' W114 55.167' | | | | | |
| NO OF HOLES: 95 | | BURDEN X SPACING X DEPTH: (FT) 11x11x15-30 | | STEMMING AMOUNT (FT) / TYPE: 10 | |
| TOTAL EXPLOSIVE CHARGE: (LBS.) 11,100 | | MAX EXPLOSIVE/DELAY: (LBS.) 234 | | HOLE DIAMETER: (IN.) 4 1/2 | |
| No. Holes | | | | | |
| Spacing | | | | | |
| Burden | | | | | |
| Depth | | | | | |
| Explosive | | | | | |
| Delay No. | | | | | |
| | | | | | |
| KIND FO SURFACE PROTECTION: | | | | | |
| WEATHER: Sunny | | TEMPERATURE: 75 | | WIND: 0-5 | |
| REMARKS: PRE TRIGGER : 12:30 Machine Did Not Trigger | | | | | |

| Field Recording Data | | | Instrument Settings | | |
|--|--------|---------------------------|--|--------------------|-----------|
| VERTICLE:TRANSVERSE: LONGITUDNIAL:PVS: | | DECIBLES: | GEO: | MIC.: | DURATION: |
| | | <.03 <120 | .03 | 120 | 4 |
| RECORDER POSITION (GPS): N35 59.105' W114 55.476' | | TYPE OF PROPERTY: OWNER: | ADDRESS: | | |
| | | Commercial | Corner of Access Road & Paradise Hills Homes | | |
| DIRECTION OF SOURCE: SE | | DISTANCE (BY GPS) 2941 | | | |
| MANUFACTURER: | MODEL: | S/N: | OPERATOR NAME: | DATA CASSETTE NO.: | |
| Larcor | MR-2G | 3202 | John A Adkins | 07-002 | |

Field Recording Results (For VCE Vibration Control Use Only)

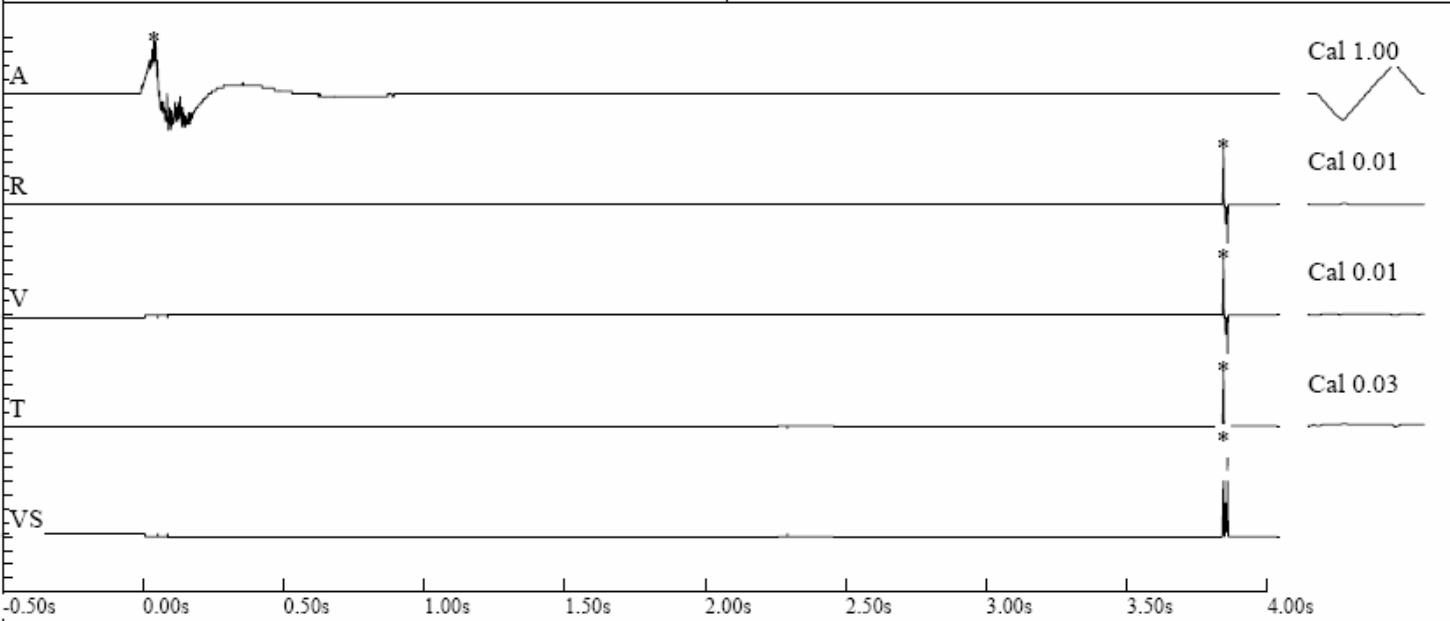
RECORDER CONTROL NO.:
070507JAA3

| VIBRATION MEASUREMENT RESULTS | |
|--------------------------------|----------------|
| Maximum Peak Particle Velocity | Frequency (Hz) |
| Longitudinal _____ "/Sec | _____ |
| Vertical _____ "/Sec | _____ |
| Transverse _____ "/Sec | _____ |
| SAFE | CAUTION |
| DANGER | |
| SOUND MEASUREMENT RESULTS | |
| Maximum Noise Level _____ dB. | |

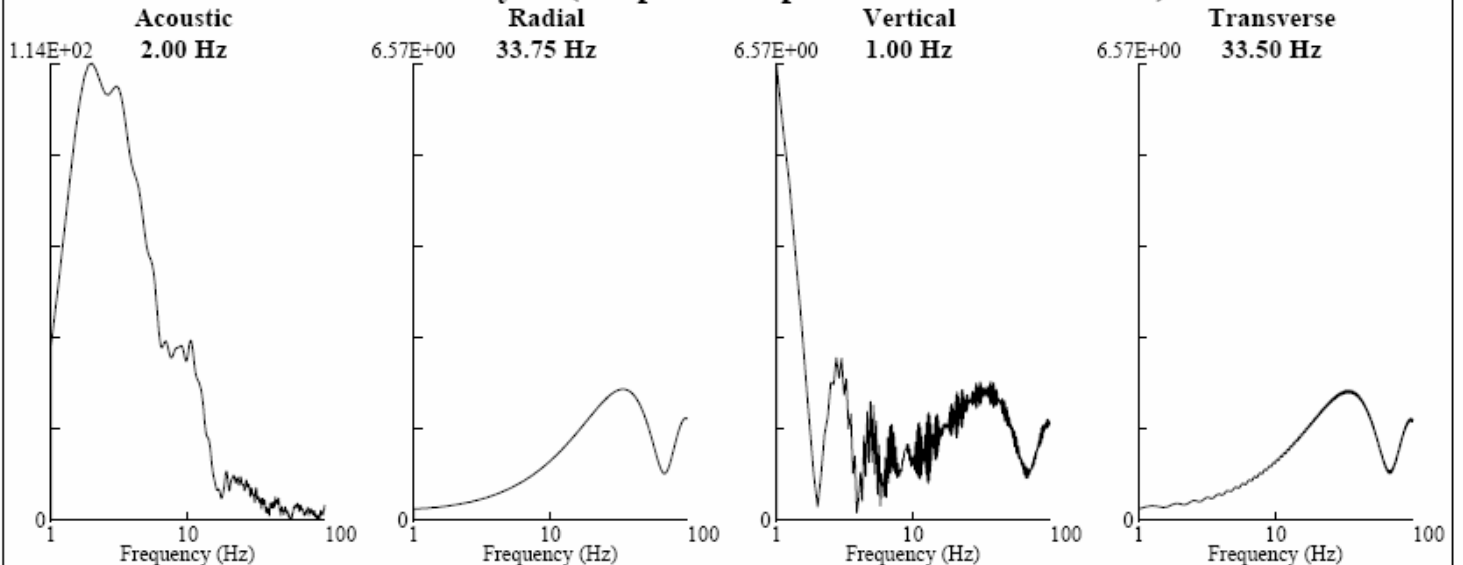
SEISMOGRAPH SENSOR CONFIRMATION TEST
 (Note the waveform below does not represent data from the blast)

File Name: 320220070507004.dtb
 Number: 004
 Date: 5/7/2007
 Time: 12:30
 Serial Number: 3202
 Seismic Trigger: 0.0300 in/sec
 Acoustic Trigger: 118 dB
 Sample Rate: 1024
 Duration: 4.0 Seconds
 Pre-Trigger: 0.50 Seconds
 Gain: 2x
 Voltage: 6.3

| Amplitudes and Frequencies | Graph Information |
|---|--|
| Acoustic: 132 dB, 0.76 Mb @ 8.2 Hz Radial: 0.2000 in/sec @ 102.4Hz Vertical: 0.2000 in/sec @ 102.4Hz Transverse: 0.2000 in/sec @ 102.4Hz Vector Sum: 0.3450 in/sec | Duration: -0.500 s To: 4.000 s Acoustic Scale: 132 dB Seismic Scale: 0.20 in/sec (0.050 in/sec/div) Time Intervals at: 0.50 s |



Fourier Analysis (Amplitude Spectrum - Box Window)



Blast Data

Machine Did Not Trigger

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