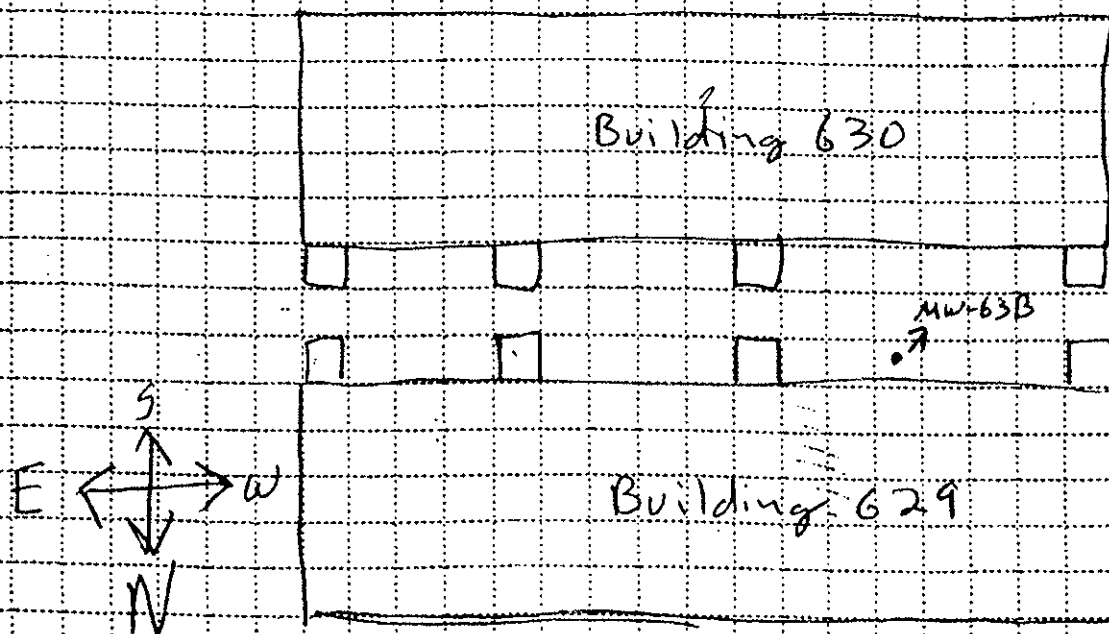


|                                                       |  |                                                                           |  |                                                    |  |
|-------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------------|--|
| <b>HTRW DRILLING LOG</b>                              |  | DISTRICT<br><b>Mobile</b>                                                 |  | HOLE NUMBER<br><b>MW-63B</b>                       |  |
| 1. COMPANY NAME<br><b>Jacobs Engineering</b>          |  | 2. DRILL SUBCONTRACTOR<br><b>Bort Longyear</b>                            |  | SHEET <b>1</b> OF <b>3</b>                         |  |
| 3. PROJECT<br><b>Memphis Army Depot</b>               |  | 4. LOCATION<br><b>MW-63B</b>                                              |  |                                                    |  |
| 5. NAME OF DRILLER<br><b>Stacy Kizewski</b>           |  | 6. MANUFACTURER'S DESIGNATION OF DRILL<br><b>Bort Longyear Sonic</b>      |  |                                                    |  |
| 7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT |  | 8. HOLE LOCATION                                                          |  |                                                    |  |
|                                                       |  | 9. SURFACE ELEVATION                                                      |  |                                                    |  |
|                                                       |  | 10. DATE STARTED<br><b>7-24-02</b>                                        |  | 11. DATE COMPLETED<br><b>7-25-02</b>               |  |
| 12. OVERBURDEN THICKNESS                              |  | 13. DEPTH GROUNDWATER ENCOUNTERED<br><b>~107' bgs</b>                     |  |                                                    |  |
| 13. DEPTH DRILLED INTO ROCK<br><b>NA</b>              |  | 14. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED<br><b>NA</b> |  |                                                    |  |
| 14. TOTAL DEPTH OF HOLE<br><b>125' bgs</b>            |  | 15. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)<br><b>NA</b>                 |  |                                                    |  |
| 16. GEOTECHNICAL SAMPLES                              |  | DISTURBED                                                                 |  | UNDISTURBED                                        |  |
| 20. SAMPLES FOR CHEMICAL ANALYSIS                     |  | VOC                                                                       |  | METALS                                             |  |
|                                                       |  | OTHER (SPECIFY)                                                           |  | OTHER (SPECIFY)                                    |  |
| 22. DISPOSITION OF HOLE                               |  | BACKFILLED                                                                |  | MONITORING WELL                                    |  |
|                                                       |  | <b>X MW-63B</b>                                                           |  | 21. SIGNATURE OF INSPECTOR<br><b>Chris Hickman</b> |  |
| 21. TOTAL CORE RECOVERY %                             |  |                                                                           |  |                                                    |  |

LOCATION SKETCH/COMMENTS

SCALE:



PROJECT

HOLE NO.



## HTRW DRILLING LOG

(CONTINUATION SHEET)

HOLE NUMBER

MW-63B

SHEET

SHEETS

3 OF 3

PROJECT

Memphis Army Depot.

INSPECTOR

Chris Hickman

| ELEV.<br>(ft) | DEPTH<br>(ft) | DESCRIPTION OF MATERIALS<br>(ft)                                                                                                          | FIELD SCREENING<br>RESULTS<br>(ft) | GEOTECH SAMPLE<br>OR CORE LOG NO.<br>(ft) | ANALYTICAL<br>SAMPLE NO.<br>(ft) | ROWES SORT       | REMARKS<br>(ft) |
|---------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------|----------------------------------|------------------|-----------------|
|               | 95            | 95'-105' 100% Recovery                                                                                                                    |                                    |                                           |                                  | USC <sup>8</sup> |                 |
|               | 100           | 95'-102' Sandy Gravel trace<br>of silt sand & fine to med subrounded<br>Gravel Fine to coarse subrounded to subangular 10YR 8/6           |                                    |                                           |                                  | SM               |                 |
|               | 105           | 102'-105' Fine sand trace silt.<br>U. Fine to Fine subrounded sand 5YR 7/4                                                                |                                    |                                           |                                  |                  |                 |
|               | 105           | 105'-115' 100% Recovery                                                                                                                   |                                    |                                           |                                  |                  |                 |
|               | 110           | 105'-108' Sandy Gravel trace silt. Loose Moist<br>Med to coarse sand & Gravel 10YR 6/6<br>Sand subrounded Gravel subangular to subrounded |                                    |                                           |                                  | SM               |                 |
|               | 115           | 108'-115' Fine to med sand subrounded<br>trace of silt. color changes from Pink to Yellow 10YR 8/8 Moist/wet<br>5YR 7/4                   |                                    |                                           |                                  |                  |                 |
|               | 115           | 115'-125' 100% Recovery                                                                                                                   |                                    |                                           |                                  |                  |                 |
|               | 120           | 115'-117' Sand w/silt. U. Fine to med Loose wet sand subrounded 10YR 8/2                                                                  |                                    |                                           |                                  | SM               |                 |
|               | 120           | 117'-119' Gravel with Sand Fine to coarse gravel subrounded<br>with fine to med sand subrounded<br>119'-121' Same as 115'-117' Interval   |                                    |                                           |                                  | GP               |                 |
|               | 125           | 121'-123' Coarse Gravel with Sand.                                                                                                        |                                    |                                           |                                  | SM               |                 |
|               | 125           | Gravel Fine to coarse trace of silt<br>@ 123' subangular to subrounded                                                                    |                                    |                                           |                                  | GP               |                 |
|               | 125           | Sand Fine to coarse subrounded Loose wet                                                                                                  |                                    |                                           |                                  |                  |                 |
|               | 125           | 123' to 125' Same as 115'-117'                                                                                                            |                                    |                                           |                                  | SM.              |                 |
|               |               | End boring @ 125' bgs set MW-63B.                                                                                                         |                                    |                                           |                                  |                  |                 |

PROJECT

HOLE NO.