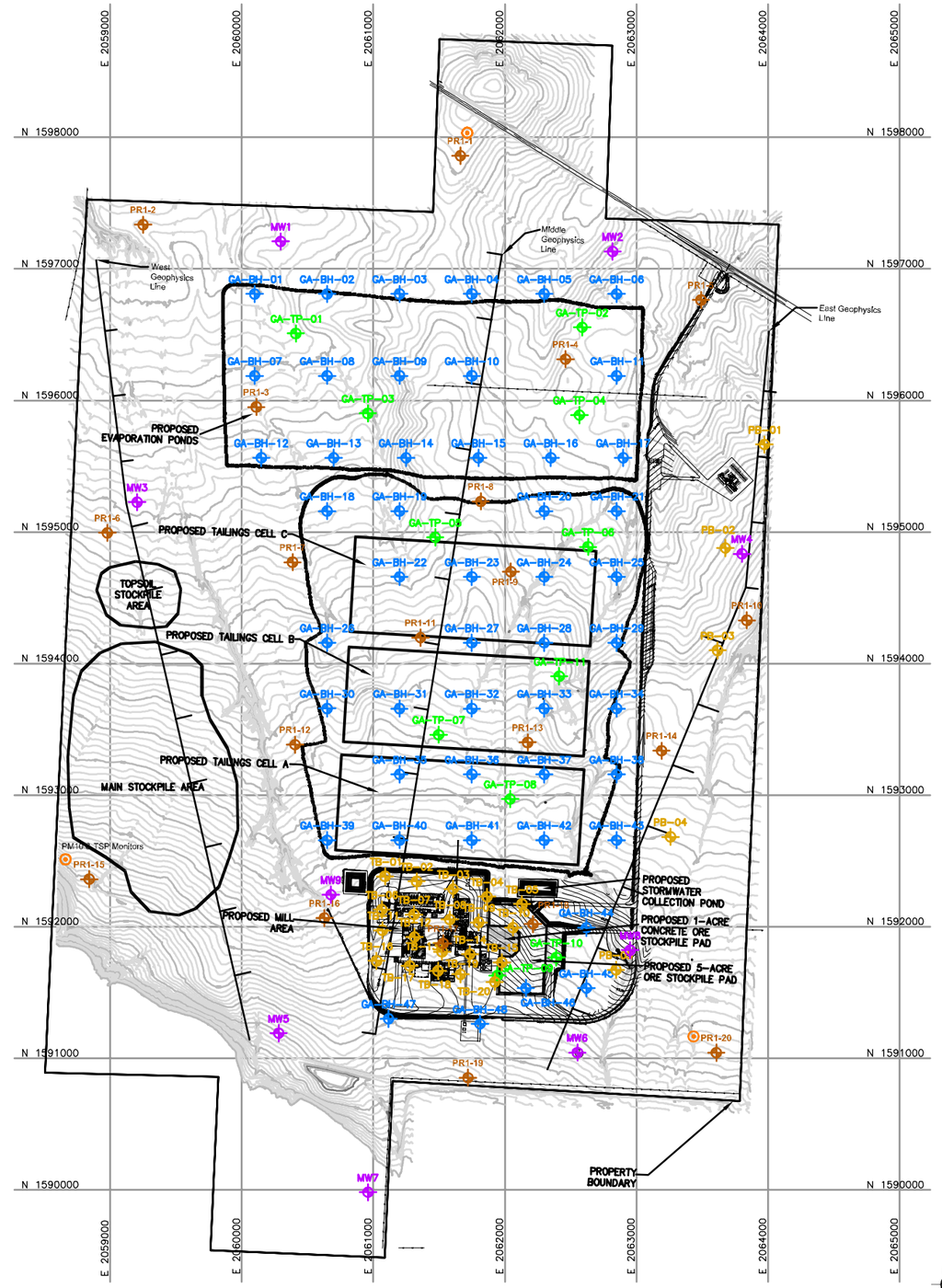
| Table 2-1<br>Phase 2 Testpit Locations | | | |
|---|---|---|---|
| I.D. | Northing | Easting | Elevation |
| GA-TP-01 | 1596508.7 | 2060410.5 | 5425.1 |
| GA-TP-02 | 1596555.9 | 2062587.4 | 5444.3 |
| GA-TP-03 | 1595901.2 | 2060958.5 | 5439.9 |
| GA-TP-04 | 1595889.0 | 2062566.9 | 5445.8 |
| GA-TP-05 | 1594959.4 | 2061470.7 | 5467.1 |
| GA-TP-06 | 1594887.2 | 2062632.2 | 5456.6 |
| GA-TP-07 | 1593460.0 | 2061496.2 | 5498.2 |
| GA-TP-08 | 1592971.3 | 2062039.9 | 5508.4 |
| GA-TP-09 | 1591630.0 | 2061943.2 | 5542.5 |
| GA-TP-10 | 1591765.7 | 2062391.3 | 5536.1 |
| GA-TP-11 | 1593903.6 | 2062412.6 | 5483.8 |

| Table 2-2<br>Phase 2 Drillhole Locations | | | |
|---|---|---|---|
| I.D. | Northing | Easting | Elevation |
| GA-BH-01 | 1596809.5 | 2060098.5 | 5419.8 |
| GA-BH-02 | 1596809.4 | 2060648.6 | 5430.7 |
| GA-BH-03 | 1596809.4 | 2061198.8 | 5442.3 |
| GA-BH-04 | 1596809.4 | 2061749.0 | 5441.2 |
| GA-BH-05 | 1596809.5 | 2062299.1 | 5432.7 |
| GA-BH-06 | 1596809.4 | 2062849.3 | 5443.9 |
| GA-BH-07 | 1596186.8 | 2060098.5 | 5430.5 |
| GA-BH-08 | 1596186.8 | 2060648.7 | 5433.0 |
| GA-BH-09 | 1596186.8 | 2061198.8 | 5448.9 |
| GA-BH-10 | 1596186.8 | 2061749.0 | 5453.3 |
| GA-BH-11 | 1596186.8 | 2062849.3 | 5443.9 |
| GA-BH-12 | 1595564.1 | 2060148.5 | 5444.4 |
| GA-BH-13 | 1595564.1 | 2060698.7 | 5446.3 |
| GA-BH-14 | 1595564.1 | 2061248.8 | 5459.6 |
| GA-BH-15 | 1595564.1 | 2061799.0 | 5459.3 |
| GA-BH-16 | 1595564.1 | 2062349.2 | 5451.2 |
| GA-BH-17 | 1595564.1 | 2062899.4 | 5446.7 |
| GA-BH-18 | 1595159.0 | 2060648.7 | 5453.5 |
| GA-BH-19 | 1595158.9 | 2061198.8 | 5456.2 |
| GA-BH-20 | 1595159.0 | 2062299.2 | 5458.0 |
| GA-BH-21 | 1595159.0 | 2062849.3 | 5449.5 |
| GA-BH-22 | 1594658.9 | 2061198.8 | 5467.7 |
| GA-BH-23 | 1594658.9 | 2061749.0 | 5476.9 |
| GA-BH-24 | 1594658.8 | 2062299.1 | 5465.7 |
| GA-BH-25 | 1594658.8 | 2062849.4 | 5458.6 |
| GA-BH-26 | 1594158.7 | 2060648.7 | 5472.6 |
| GA-BH-27 | 1594158.7 | 2061749.0 | 5484.4 |
| GA-BH-28 | 1594158.7 | 2062299.2 | 5482.3 |
| GA-BH-29 | 1594158.7 | 2062849.3 | 5473.8 |
| GA-BH-30 | 1593658.6 | 2060648.7 | 5492.3 |
| GA-BH-31 | 1593658.5 | 2061198.8 | 5494.2 |
| GA-BH-32 | 1593658.5 | 2061749.0 | 5491.4 |
| GA-BH-33 | 1593658.6 | 2062299.2 | 5490.7 |
| GA-BH-34 | 1593658.5 | 2062849.3 | 5493.0 |
| GA-BH-35 | 1593158.4 | 2061198.8 | 5506.9 |
| GA-BH-36 | 1593158.4 | 2061749.0 | 5505.3 |
| GA-BH-37 | 1593158.4 | 2062299.1 | 5504.2 |
| GA-BH-38 | 1593158.4 | 2062849.3 | 5500.4 |
| GA-BH-39 | 1592658.3 | 2060648.7 | 5515.8 |
| GA-BH-40 | 1592658.2 | 2061198.8 | 5520.5 |
| GA-BH-41 | 1592658.3 | 2061749.0 | 5517.0 |
| GA-BH-42 | 1592658.2 | 2062299.2 | 5515.4 |
| GA-BH-43 | 1592658.2 | 2062849.3 | 5512.1 |
| GA-BH-44 | 1591993.8 | 2062619.9 | 5531.0 |
| GA-BH-45 | 1591533.7 | 2062620.0 | 5538.8 |
| GA-BH-46 | 1591533.6 | 2062159.8 | 5545.0 |
| GA-BH-47 | 1591301 | 2061116 | 5558 |
| GA-BH-48 | 1591262 | 2061811 | 5556 |
| TB-01 | 1592383.1 | 2061089.0 | 5529.8 |
| TB-02 | 1592345.1 | 2061329.2 | 5530.2 |
| TB-03 | 1592286.4 | 2061605.6 | 5528.5 |
| TB-04 | 1592228.4 | 2061863.5 | 5528.1 |
| TB-05 | 1592172.2 | 2062129.9 | 5528.6 |
| TB-06 | 1592130.7 | 2061064.0 | 5534.2 |
| TB-07 | 1592093.6 | 2061309.1 | 5537.1 |
| TB-08 | 1592055.3 | 2061581.3 | 5536.4 |
| TB-09 | 1592033.5 | 2061801.0 | 5533.1 |
| TB-10 | 1591994.2 | 2062062.5 | 5532.9 |
| TB-11 | 1591973.6 | 2061069.1 | 5538.4 |
| TB-12 | 1591922.9 | 2061313.4 | 5540.6 |
| TB-13 | 1591810.9 | 2061522.9 | 5543.6 |
| TB-14 | 1591791.3 | 2061733.9 | 5540.0 |
| TB-15 | 1591729.8 | 2061977.1 | 5539.5 |
| TB-16 | 1591740.8 | 2061024.6 | 5543.7 |
| TB-17 | 1591703.0 | 2061276.2 | 5547.1 |
| TB-18 | 1591664.8 | 2061491.4 | 5547.3 |
| TB-19 | 1591639.0 | 2061662.5 | 5544.6 |
| TB-20 | 1591580.9 | 2061923.1 | 5543.8 |
| PB-01 | 1595665.3 | 2063972.7 | 5457.5 |
| PB-02 | 1594878.7 | 2063676.3 | 5470.1 |
| PB-03 | 1594100.2 | 2063616.5 | 5486.4 |
| PB-04 | 1592683.7 | 2063259.2 | 5509.7 |
| PB-05 | 1591673.0 | 2062844.7 | 5531.8 |

| Table 2-3<br>Phase 1 Borehole Locations | | | |
|---|---|---|---|
| I.D. | Northing | Easting | Elevation |
| PR1-1 | 1597859.9 | 2061661.5 | 5452 |
| PR1-2 | 1597335.7 | 2059249.5 | 5417 |
| PR1-3 | 1595950.5 | 2060110.2 | 5436 |
| PR1-4 | 1596313.6 | 2062461.3 | 5448 |
| PR1-5 | 1596763.4 | 2063490.6 | 5426 |
| PR1-6 | 1594993.8 | 2058978.2 | 5456 |
| PR1-7 | 1594770.9 | 2060386.1 | 5461 |
| PR1-8 | 1595232.8 | 2061816.9 | 5466 |
| PR1-9 | 1594698.5 | 2062045.7 | 5471 |
| PR1-10 | 1594329.5 | 2063839.4 | 5487 |
| PR1-11 | 1594197.1 | 2061358.2 | 5481 |
| PR1-12 | 1593384.0 | 2060405.0 | 5495 |
| PR1-13 | 1593400.8 | 2062173.2 | 5497 |
| PR1-14 | 1593338.1 | 2063190.8 | 5496 |
| PR1-15 | 1592361.9 | 2058840.1 | 5551 |
| PR1-16 | 1592065.8 | 2060628.5 | 5530 |
| PR1-17 | 1591874.2 | 2061530.4 | 5543 |
| PR1-18 | 1592020.5 | 2062213.4 | 5533 |
| PR1-19 | 1590853.4 | 2061719.5 | 5571 |
| PR1-20 | 1591043.5 | 2063607.1 | 5545 |

| Table 2-4<br>Phase 1 Monitoring Well Locations | | | |
|---|---|---|---|
| I.D. | Northing | Easting | Elevation |
| MW1 | 1597208.6 | 2060295.0 | 5423 |
| MW2 | 1597132.0 | 2062819.0 | 5432 |
| MW3 | 1595226.9 | 2059204.8 | 5448 |
| MW4 | 1594834.3 | 2063802.6 | 5477 |
| MW5 | 1591190.9 | 2060280.6 | 5570 |
| MW6 | 1591044.0 | 2062551.0 | 5553 |
| MW7 | 1589982.8 | 2060959.6 | 5287 |
| MW8 | 1591822.2 | 2062942.1 | 5149 |
| MW9 | 1592244.1 | 2060677.5 | 5122 |




## LEGEND

- PR1-20 — KLEINFELDER 2007 GEOTECHNICAL PHASE 1 BORING LOCATIONS
- GA-BH-44 — GOLDER 2007 GEOTECHNICAL PHASE 2 BORING LOCATIONS
- PB-4, TB-15 — KLEINFELDER 2007 GEOTECHNICAL PHASE 2 BORING LOCATIONS
- GA-TP-10 — GOLDER 2007 GEOTECHNICAL PHASE 2 TEST PIT LOCATIONS
- MW3 — KLEINFELDER MONITORING WELL BORING LOCATIONS
- METEOROLOGICAL TOWER / AIR MONITORING STATION
- PROPERTY BOUNDARY
- SEISMIC REFLECTION / REFRACTION LINES
- PROPOSED APPROXIMATE FACILITY AREAS
- EXISTING FENCE LINES
- PROPOSED ROADS

## NOTES

1. THE PHASE 1 INVESTIGATION CONDUCTED BY KLEINFELDER INCLUDED INSTALLATION OF MONITORING WELLS (MW-1 THROUGH MW-6), GEOTECHNICAL BOREHOLES (PR-1 THROUGH PR-20), AND THREE GEOPHYSICAL SURVEY LINES. ADDITIONAL MONITORING WELLS (MW-7 THROUGH MW-9) WERE INSTALLED IN 2008.
2. DRILLHOLES GA-BH-1 THROUGH GA-BH-48, TB-1 THROUGH TB-20, AND PB-1 THROUGH PB-5 WERE ADVANCED BY DAKOTA DRILLING OF DENVER, COLORADO, FROM OCTOBER 23 THROUGH DECEMBER 15, 2007. AUGER DRILLING FOR SHALLOW SOIL BORINGS WAS CONDUCTED USING EITHER A CME-55 OR A DIEDRICH 50 DRILL RIG. A DIEDRICH 120 DRILL RIG WAS USED FOR THE DRILLHOLES REQUIRING CORING CAPABILITIES.
3. FOR DRILLHOLES GA-BH-1 THROUGH GA-BH-48, A GOLDER FIELD REPRESENTATIVE LOGGED THE SOIL AND ROCK MATERIALS ENCOUNTERED, COLLECTED SAMPLES OF MATERIALS FOR LABORATORY TESTING, AND OBSERVED AND/OR CONDUCTED IN-SITU TESTING. OTHER PHASE 2 DRILLING WAS OBSERVED BY A KLEINFELDER FIELD REPRESENTATIVE.
4. TEST PITS GA-TP-1 THROUGH GA-TP-11 WERE EXCAVATED ON 11/1/2007 AND 11/2/2007, USING A CATERPILLAR MODEL 430D BACKHOE OPERATED BY HIGH DESERT CONSTRUCTION. A GOLDER FIELD REPRESENTATIVE LOGGED THE TEST PITS AND COLLECTED SAMPLES OF MATERIALS FOR LABORATORY TESTING.

## REFERENCES

1. TWO-FOOT CONTOUR BASE MAP PROVIDED BY KLEINFELDER IN JUNE 2008, CREATED FROM DRAWING BY ACCURATE SURVEY & ENGINEERING DATED 9/6/2007.
2. COORDINATES ARE PROVIDED IN THE COLORADO STATE PLANE (SOUTH ZONE) COORDINATE SYSTEM USING NAD83 AS THE HORIZONTAL DATUM.
3. ELEVATIONS PROVIDED ARE IN FEET ABOVE MEAN SEA LEVEL USING NAVD88 AS THE VERTICAL DATUM.
4. TABLES 2-1 AND 2-2 REFLECT THE PROPOSED DRILLING LOCATIONS. ACTUAL DRILLING LOCATIONS TYPICALLY VARY BY 5 FEET LATERALLY. THE COORDINATES AND ELEVATIONS LISTED FOR GA-BH-47 AND GA-BH-48 ARE ESTIMATIONS AS THEIR PROPOSED LOCATIONS WERE NOT SURVEYED.
5. ELEVATIONS LISTED IN TABLES 2-3 AND 2-4 ARE ESTIMATED BASED ON THE TOPOGRAPHY AT THE I.D. LOCATION.

500 0 500 1000
1 IN. = 500 FT. Feet

| REV | DATE | DES | REVISION DESCRIPTION | CADD | CHK | RVW |
|---|---|---|---|---|---|---|
| 1 | 10/8/08 | KFM | ISSUED FOR DESIGN REPORT | JWR | KFM | JMJ |

PROJECT
ENERGY FUELS RESOURCES CORPORATION
PIÑON RIDGE PROJECT - ORE PAD DESIGN
MONTROSE COUNTY, COLORADO

TITLE
# GENERAL ORE PAD LAYOUT AND LOCATIONS OF GEOTECHNICAL INVESTIGATIONS

Golder Associates
DENVER, COLORADO

| PROJECT No. | 073-81694 | | FILE No. | 07381694A029 |
|---|---|---|---|---|
| DESIGN | JDE | 09/08 | SCALE AS SHOWN | REV. A |
| CADD | JDE | 09/08 | DRAWING | |
| CHECK | KFM | 09/08 | 2 | |
| REVIEW | JMJ | 09/08 | | |

Dwg Name: N:\07\073-81694\07381694A029.dwg
Layout Name: 24x36 Landscape Ore Machine: DEN1-W-JROBERT1
Last Update: Oct 09, 2008 9:27 By: jroberts
Last Plot: Oct 09, 2008 10:32 By: jroberts