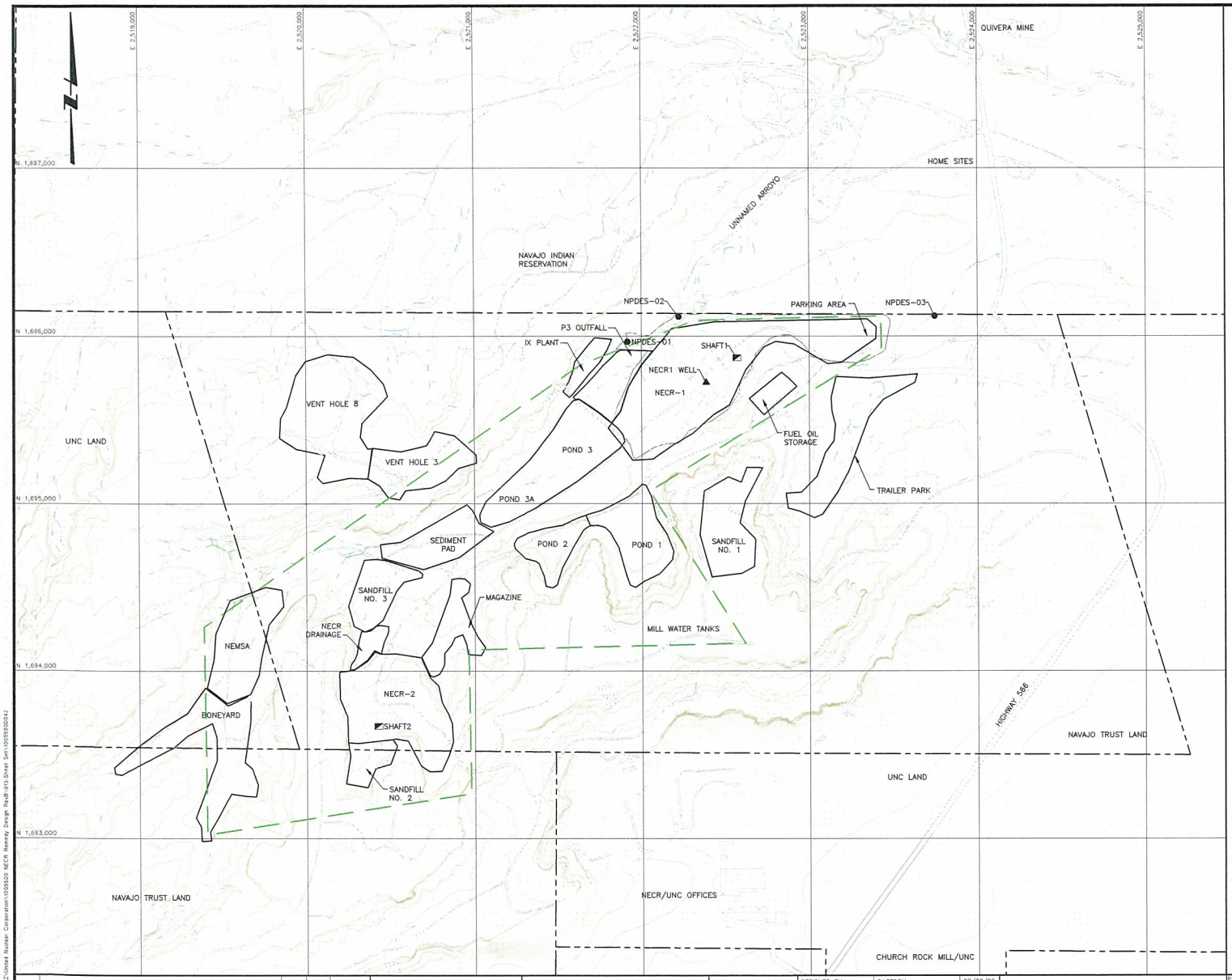
APPENDIX A

TO

ADMINISTRATIVE ORDER ON CONSENT

NORTHEAST CHURCH ROCK INTERIM REMOVAL ACTION

CERCLA DOCKET NO. 2009-11




**LEGEND:**

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE OWNERSHIP BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE
- NIPDES LOCATION
- WELL LOCATION
- SHAFT LOCATION

SCALE
300 0 300 600 FEET
CONTOUR INTERVAL = 5 FEET

| ISSUE / REV | DESCRIPTION | TECH | ENG | DATE |
|---|---|---|---|---|
| B | ISSUED FOR REVIEW | CF | TL | 08/20/08 |

DISCLAIMER
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOW HOW OF MWH AS AUTHOR ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING THEIR PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERNATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

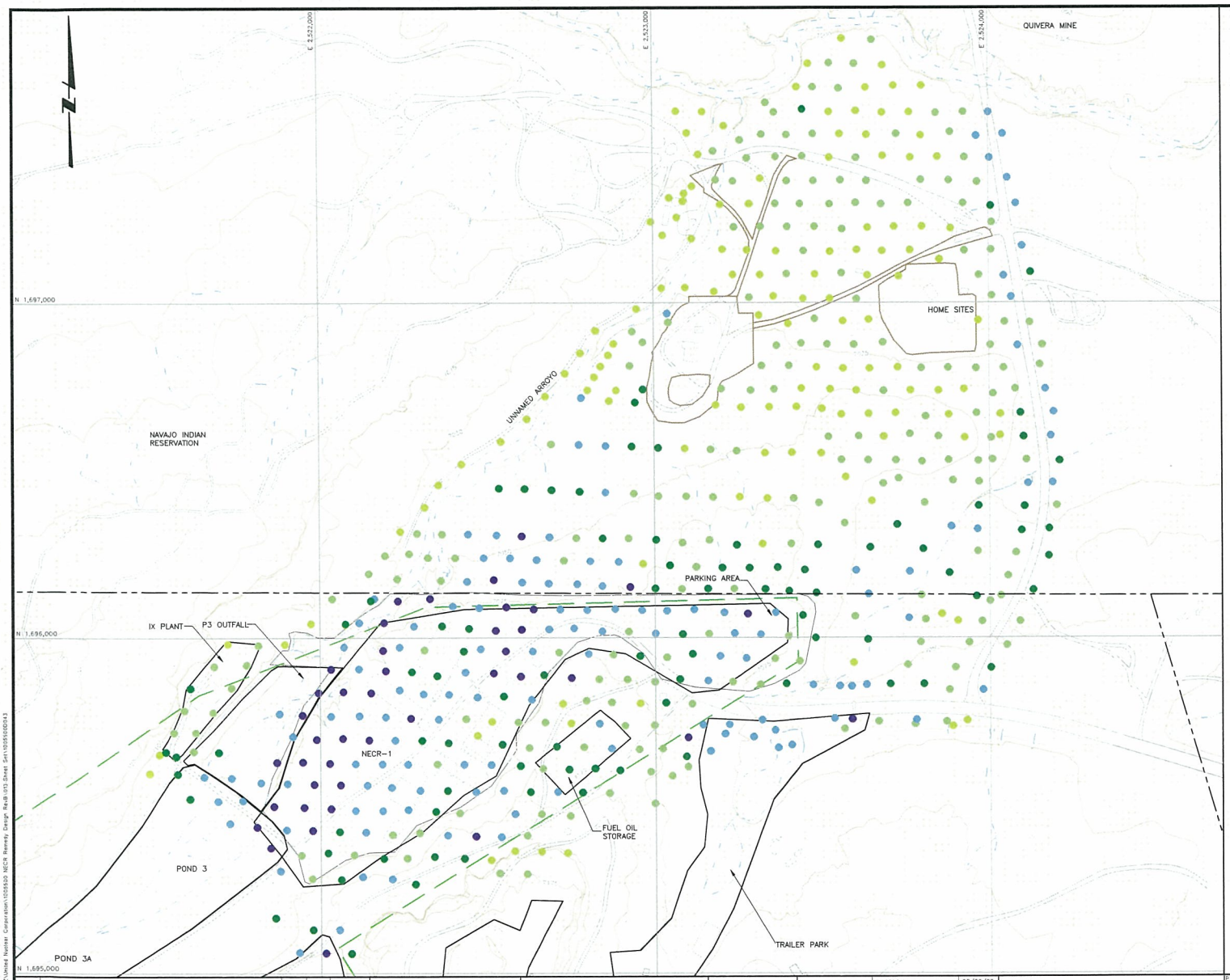
DRAWING REFERENCES:
1. SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. NEW MEXICO WEST STATE PLANE COORADINATES, NAD 83, US FEET.

| | | |
|---|---|---|
| DESIGNED BY | T.LEESON | 08/20/08 |
| DRAWN BY | E.MARKS | 08/20/08 |
| CHECKED BY | T.LEESON | 08/20/08 |
| APPROVED BY | T.LEESON | 08/20/08 |
| PROJECT MANAGER | T.LEESON | 08/20/08 |
| CLIENT APPROVAL | | |
| CLIENT REFERENCE NO | | |


UNC
P.O. BOX 3077
Gallup, New Mexico 87305-3077


PROJECT LOCATION: NORTHEAST CHURCH ROCK MINE
PROJECT: INTERIM REMOVAL ACTION WORK PLAN
TITLE: SITE LAYOUT
MWH
FIGURE: 1 OF 4
REVISION: B
FILE NAME: 1005500D042

N:\Design Drafting\Clients Q Z\United Nuclear Corporation\1005500 NECR Remedy Design Rev B\013-Sheet Set\1005500D042




**LEGEND:**

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- APPROXIMATE OWNERSHIP BOUNDARY
- EPA REMOVAL ACTION BOUNDARY
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE

STATIC GAMMA MEASUREMENT LOCATIONS SHOWING EQUIVALENT Ra-226 (pCi/g) CONCENTRATION

- <2.24
- 2.24-6.0
- 6.0-10
- 10-50
- >50

SCALE
150 0 150 300 FEET
CONTOUR INTERVAL = 5 FEET

| REV | DESCRIPTION | TECH | ENG | DATE |
|---|---|---|---|---|
| B | ISSUED FOR REVIEW | CF | TL | 08/20/08 |

DISCLAIMER
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGY DEVELOPED BY MWH AND ITS AUTHORIZED AGENTS PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING THEIR PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

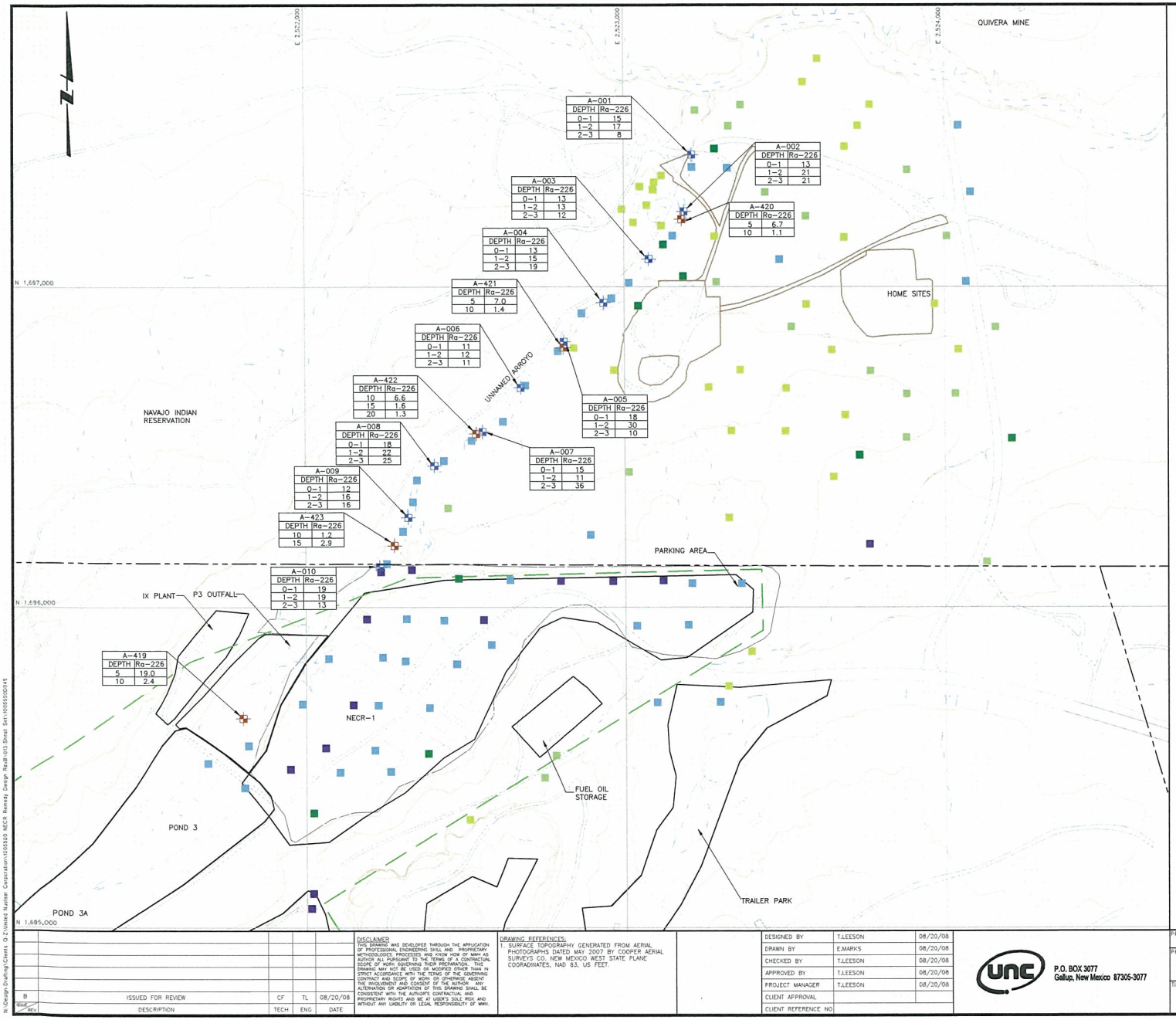
DRAWING REFERENCES:
1. SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. NEW MEXICO WEST STATE PLANE COORDINATES, NAD 83, US FEET.

| | | |
|---|---|---|
| DESIGNED BY | T.LEESON | 08/20/08 |
| DRAWN BY | E.MARKS | 08/20/08 |
| CHECKED BY | T.LEESON | 08/20/08 |
| APPROVED BY | T.LEESON | 08/20/08 |
| PROJECT MANAGER | T.LEESON | 08/20/08 |
| CLIENT APPROVAL | | |
| CLIENT REFERENCE NO. | | |


P.O. BOX 3077
Gallup, New Mexico 87305-3077


PROJECT LOCATION: NORTHEAST CHURCH ROCK MINE
PROJECT: INTERIM REMOVAL ACTION WORK PLAN
TITLE: REMOVAL SITE EVALUATION GAMMA ANALYTICAL RESULTS
FIGURE: 2 OF 4
REVISION: B
FILE NAME: 1005500D043

N:\Design Drafting\Clients_O_Z\United Nuclear Corporation\1005500 NECR Remedy Design Rev.B\03 Sheet Set\1005500D043




**LEGEND:**

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- APPROXIMATE OWNERSHIP BOUNDARY
- EPA REMOVAL ACTION BOUNDARY
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE
- SUBSURFACE SOIL SAMPLE LOCATION (SUPPLEMENTAL RSE)
- SUBSURFACE SOIL SAMPLE LOCATION (RSE)

SURFACE SOIL SAMPLE LOCATIONS SHOWING Ra-226 LABORATORY RESULTS (pCi/g)

- <2.24
- 2.24-6.0
- 6.0-10
- 10-50
- >50

SCALE
150 0 150 300 FEET
CONTOUR INTERVAL = 5 FEET

| REV | DESCRIPTION | TECH | ENG | DATE |
|---|---|---|---|---|
| B | ISSUED FOR REVIEW | CF | TL | 08/20/08 |

DISCLAIMER
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOW HOW OF MWH AS AUTHOR ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING THEIR PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERNATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

DRAWING REFERENCES:
1. SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. NEW MEXICO WEST STATE PLANE COORADINATES, NAD 83, US FEET.

| | | |
|---|---|---|
| DESIGNED BY | T.LEESON | 08/20/08 |
| DRAWN BY | E.MARKS | 08/20/08 |
| CHECKED BY | T.LEESON | 08/20/08 |
| APPROVED BY | T.LEESON | 08/20/08 |
| PROJECT MANAGER | T.LEESON | 08/20/08 |
| CLIENT APPROVAL | | |
| CLIENT REFERENCE NO | | |

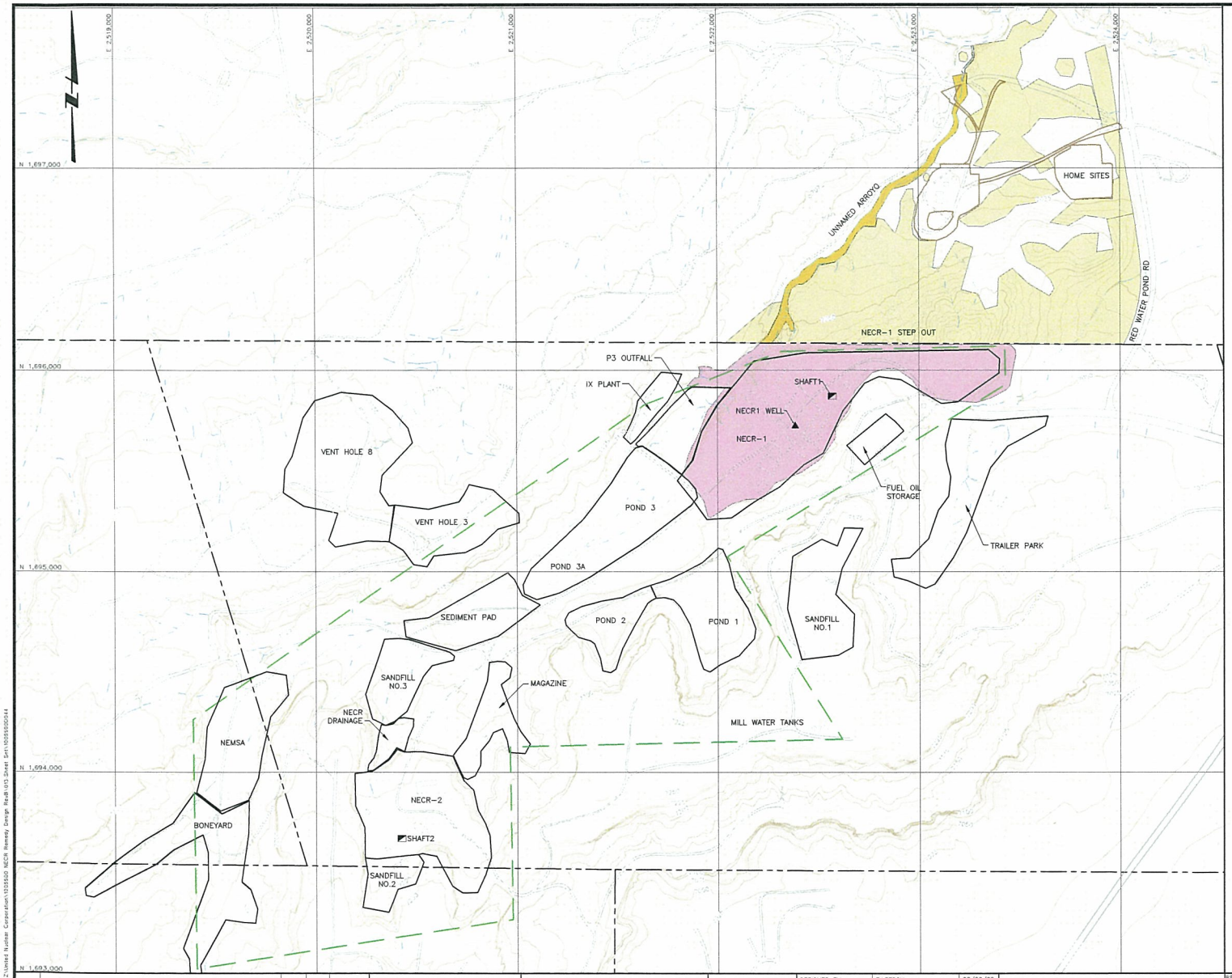
UNC
P.O. BOX 3077
Gallup, New Mexico 87305-3077

PROJECT LOCATION: NORTHEAST CHURCH ROCK MINE
PROJECT: INTERIM REMOVAL ACTION WORK PLAN
TITLE: REMOVAL SITE EVALUATION SOIL ANALYTICAL RESULTS

MWH

FIGURE: 3 OF 4
REVISION: B
FILE NAME: 1005500D045

N:\Design Drafting\Clients Q-Z\United Nuclear Corporation\1005500 NECR Remedy Design Rev8\013-Sheet Set\1005500D045




**LEGEND:**

- EXISTING GROUND SURFACE CONTOUR & ELEVATION, FEET
- PERMIT BOUNDARY
- FACILITY BOUNDARY
- APPROXIMATE OWNERSHIP BOUNDARY
- EPA REMOVAL ACTION BOUNDARY
- ROADS
- NATURAL DRAINAGE
- PHYSICAL STRUCTURE
- REGRADE & COVER
- SCRAPE 0.5~1'
- EXCAVATE >1'
- WELL LOCATION
- SHAFT LOCATION

SCALE
250 0 250 500 FEET
CONTOUR INTERVAL = 5 FEET

| ISSUE/REV | DESCRIPTION | TECH | ENG | DATE |
|---|---|---|---|---|
| B | ISSUED FOR REVIEW | CF | TL | 08/20/08 |

DISCLAIMER
THIS DRAWING WAS DEVELOPED THROUGH THE APPLICATION OF PROFESSIONAL ENGINEERING SKILL AND PROPRIETARY METHODOLOGIES, PROCESSES AND KNOW HOW OF MWH AS AUTHOR ALL PURSUANT TO THE TERMS OF A CONTRACTUAL SCOPE OF WORK GOVERNING THEIR PREPARATION. THIS DRAWING MAY NOT BE USED OR MODIFIED OTHER THAN IN STRICT ACCORDANCE WITH THE TERMS OF THE GOVERNING CONTRACT AND SCOPE OF WORK OR OTHERWISE ABSENT THE INVOLVEMENT AND CONSENT OF THE AUTHOR. ANY ALTERNATION OR ADAPTATION OF THIS DRAWING SHALL BE CONSISTENT WITH THE AUTHOR'S CONTRACTUAL AND PROPRIETARY RIGHTS AND BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY OF MWH.

DRAWING REFERENCES:
1. SURFACE TOPOGRAPHY GENERATED FROM AERIAL PHOTOGRAPHS DATED MAY 2007 BY COOPER AERIAL SURVEYS CO. NEW MEXICO WEST STATE PLANE COORADINATES, NAD 83, US FEET.

| | | |
|---|---|---|
| DESIGNED BY | T.LEESON | 08/20/08 |
| DRAWN BY | E.MARKS | 08/20/08 |
| CHECKED BY | T.LEESON | 08/20/08 |
| APPROVED BY | T.LEESON | 08/20/08 |
| PROJECT MANAGER | T.LEESON | 08/20/08 |
| CLIENT APPROVAL | | |
| CLIENT REFERENCE NO | | |

UNC
P.O. BOX 3077
Gallup, New Mexico 87305-3077

PROJECT LOCATION: NORTHEAST CHURCH ROCK MINE
PROJECT: INTERIM REMOVAL ACTION WORK PLAN
TITLE: INTERIM REMOVAL ACTION AREAS

MWH

FIGURE: 4 OF 4
REVISION: B
FILE NAME: 1005500D044

N:\Design-Drafting\Clients Q Z\United Nuclear Corporation\1005500 NECR Remedy Design Rev B\013 Sheet Set\1005500D044