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**RENEWAL APPLICATION  
APPENDIX I1H**

**DESIGN DRAWINGS**

**PANEL CLOSURE SYSTEM  
WASTE ISOLATION PILOT PLANT  
CARLSBAD, NEW MEXICO**

Waste Isolation Pilot Plant  
Hazardous Waste Facility Permit  
Draft Renewal Application  
May 2009

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**RENEWAL APPLICATION  
APPENDIX I1H**

**DESIGN DRAWINGS**

**PANEL CLOSURE SYSTEM  
WASTE ISOLATION PILOT PLANT  
CARLSBAD, NEW MEXICO**

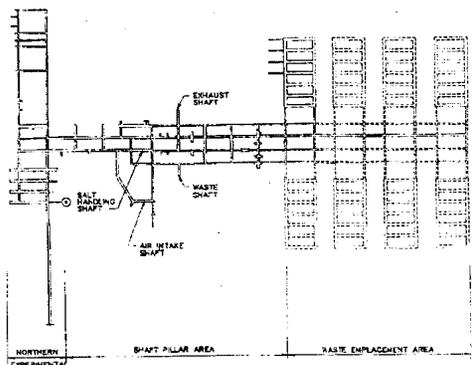
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| <i>Drawing</i> | <i>Title</i>  |
|----------------|---|
| 762447-E1      | Panel closure system, air intake and exhaust drifts, title sheet                        |
| 762447-E2      | Panel closure system, underground waste-emplacement panel plan                          |
| 762447-E3      | Panel closure system, air intake drift, construction details                            |
| 762447-E4      | Panel closure system, air exhaust drift, construction details                           |
| 762447-E5      | Panel closure system, construction and explosion walls, construction details            |
| 762447-E6      | Panel closure system, air intake and exhaust drifts, grouting and miscellaneous details |

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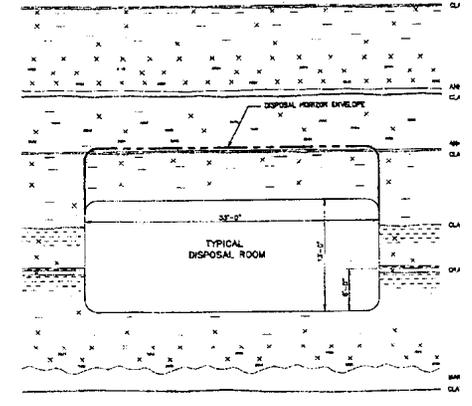
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LT DRAWING NUMBER 7624  
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 APPROVED BY [Signature]  
 DRAWN BY [Signature]  
 STAFF ID: 09-08-95



UNDERGROUND REPOSITORY LAYOUT PLAN

|           |  |
|-----------|--|
| 762447-E1 | TITLE SHEET  |
| 762447-E2 | UNDERGROUND WASTE DISPOSAL PANEL-PLAN  |
| 762447-E3 | PANEL CLOSURE SYSTEM-AIR INTAKE DRIFT-CONSTRUCTION DETAILS                             |
| 762447-E4 | PANEL CLOSURE SYSTEM-AIR EXHAUST DRIFT-CONSTRUCTION DETAILS                            |
| 762447-E5 | PANEL CLOSURE SYSTEM-CONSTRUCTION AND EXPLOSION WALLS-CONSTRUCTION DETAILS             |
| 762447-E6 | PANEL CLOSURE SYSTEM-AIR ENTRANCE AND EXHAUST DRIFT GROUTING AND MISCELLANEOUS DETAILS |

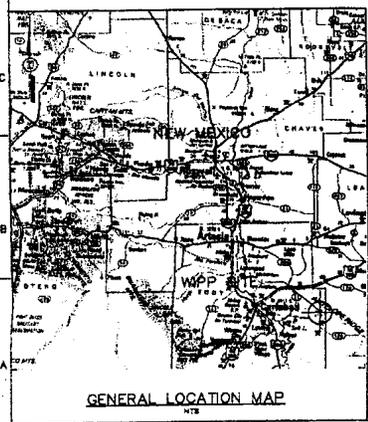


DETAILED STRATIGRAPHY AT THE REPOSITORY HORIZON

# WASTE ISOLATION PILOT PLANT PANEL CLOSURE SYSTEM CARLSBAD, NEW MEXICO

prepared by

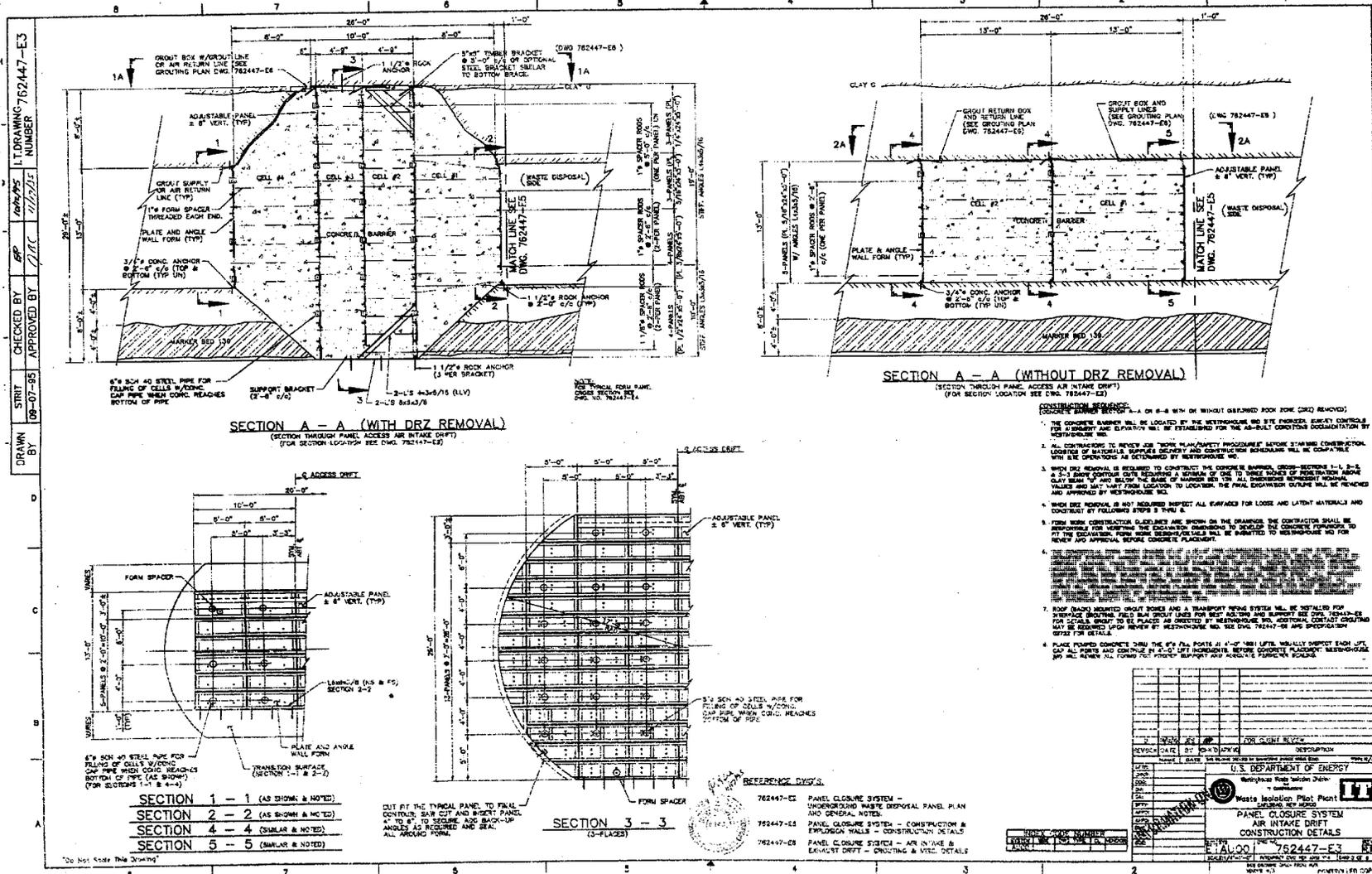
## IT CORPORATION ALBUQUERQUE, NEW MEXICO



GENERAL LOCATION MAP

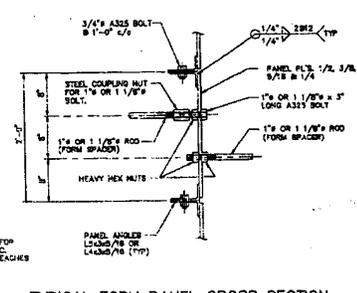
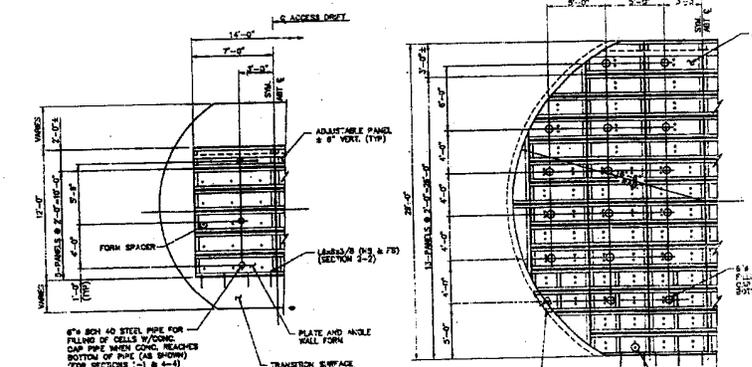
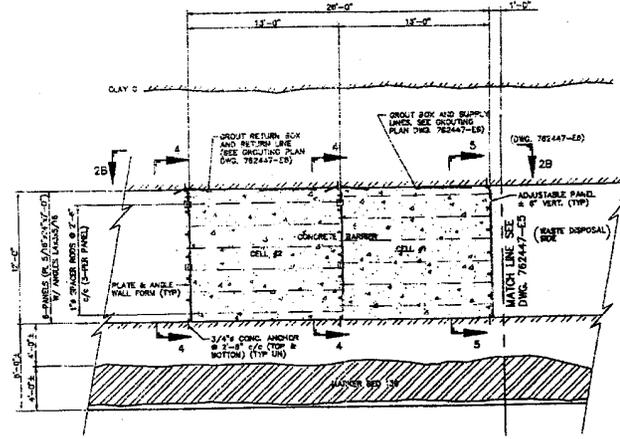
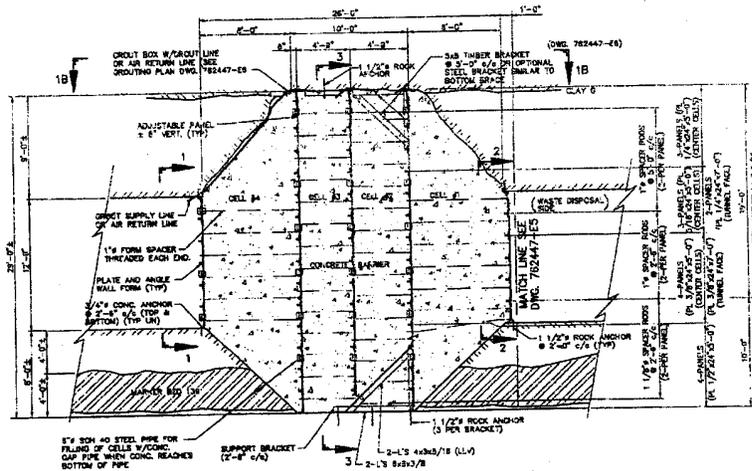
|                   |                          |   |
|-------------------|--------------------------|---|
| INDEX NODE NUMBER |                          | U.S. DEPARTMENT OF ENERGY<br>Waste Isolation Pilot Plant<br>Carlsbad, New Mexico<br>PANEL CLOSURE SYSTEM<br>AIR INTAKE AND EXHAUST DRIFT<br>TITLE SHEET |
| STATION           | NO. AND DATE OF REVISION |   |
| 762447-E1         |                          | PROJECT NO. 762447-E1<br>SHEET NO. 762447-E1<br>DATE: MAY 2009  |





762447-E3 Panel closure system, air intake drift, construction details

UTKAWNING 762447-E4  
 NUMBER  
 APPROVED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 09-07-05



**NOTE:**  
 FOR CONSTRUCTION SEQUENCE SEE DWG. 762447-E2

**REFERENCE DWG'S:**

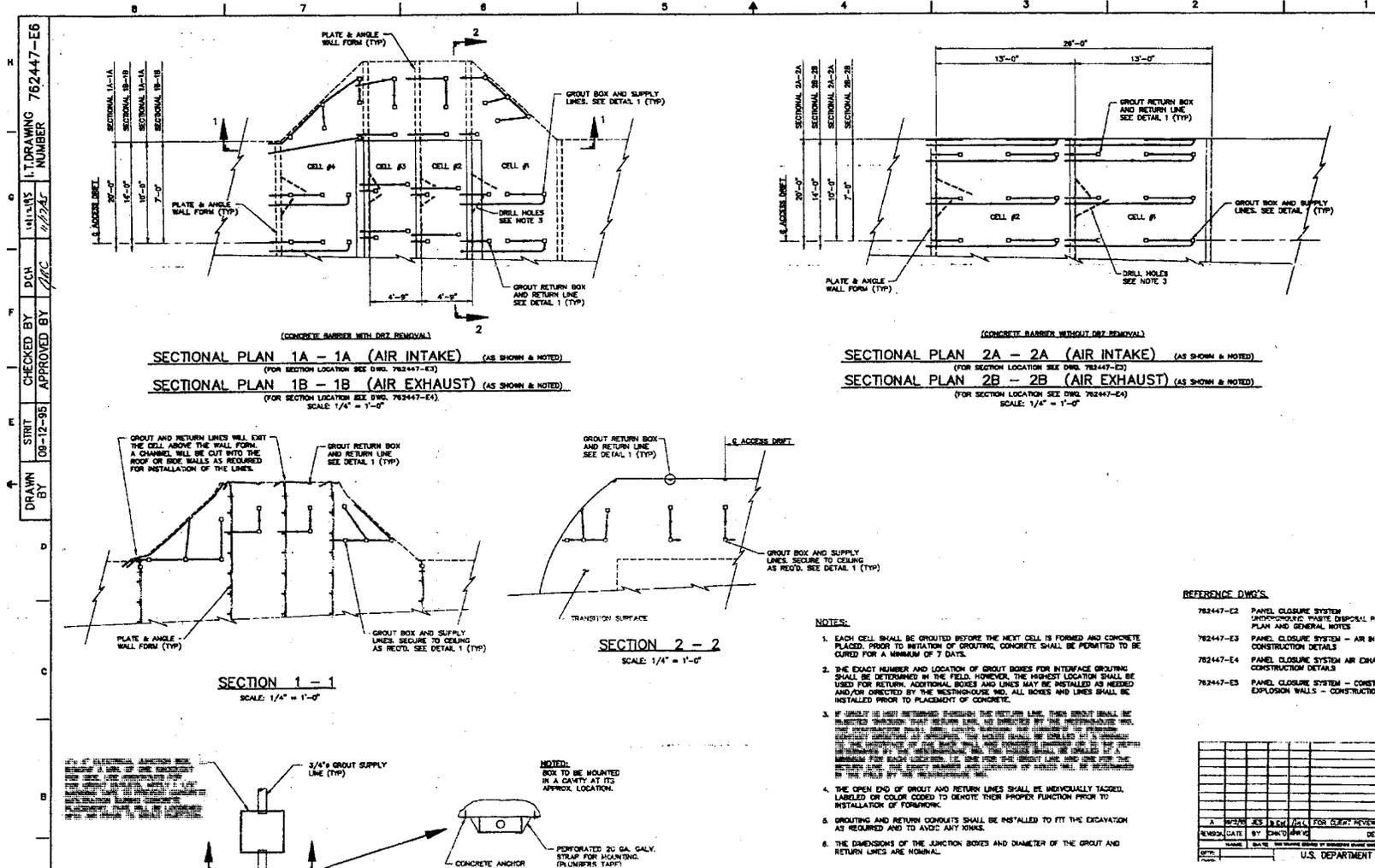
- 762447-E2 PANEL CLOSURE SYSTEM - UNDERGROUND WASTE DISPOSAL PANEL PLAN AND GENERAL NOTES
- 762447-E3 PANEL CLOSURE SYSTEM - AIR INTAKE DRIFT CONSTRUCTION DETAILS AND CONSTRUCTION SEQUENCE NOTES
- 762447-E5 PANEL CLOSURE SYSTEM - CONSTRUCTION EXHAUST DRIFT - CONSTRUCTION DETAILS
- 762447-E6 PANEL CLOSURE SYSTEM - AIR INTAKE & EXHAUST DRIFT - GROUTING & MISC DETAIL

| FOR CHECK REVIEW   |                         |
|--|-------------------------|
| DESIGNED BY: UTKAWNING                                       | CHECKED BY: [Signature] |
| DATE: 09-07-05   | DATE: [ ]               |
| U.S. DEPARTMENT OF ENERGY                                    |                         |
| Waste Isolation Pilot Plant                                  |                         |
| PANEL CLOSURE SYSTEM - AIR EXHAUST DRIFT CONSTRUCTION DETAIL |                         |
| 762447-E4  |                         |

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762447-E4 Panel closure system, air exhaust drift, construction details





1 762447-E6 Panel closure system, air intake and exhaust drifts, grouting and miscellaneous details