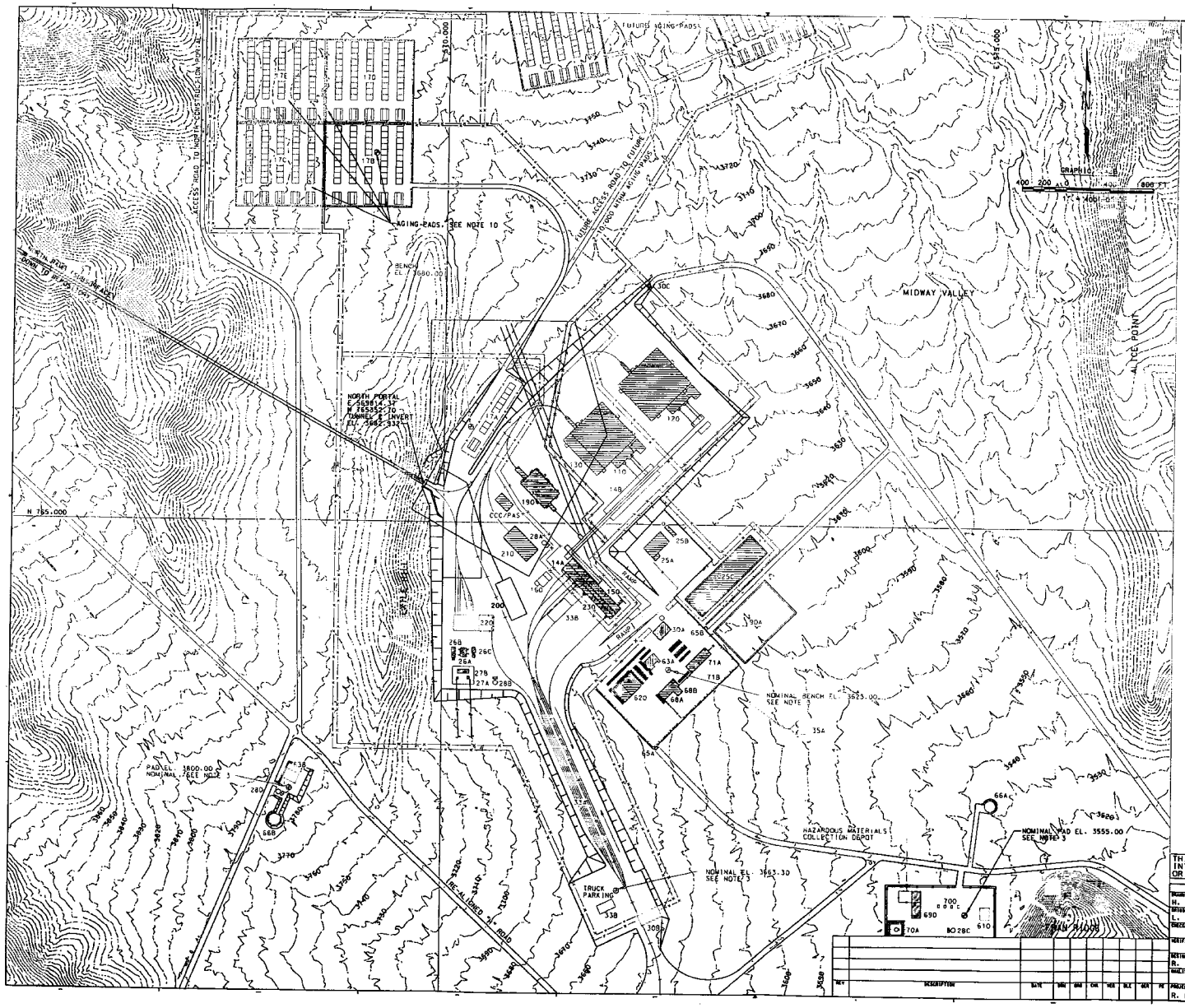


## LEGEND

| AREA No. | DESCRIPTION |
|---|---|
| 110 | DRY TRANSFER FACILITY #1 (DTF-1) |
| 120 | DRY TRANSFER FACILITY #2 (DTF-2) |
| 130 | REMEDIATION FACILITY |
| 14A | TRANSPORTATION CASK RECEIPT/RETURN FACILITY (TCRRF) |
| 14B | TRANSPORTATION CASK BUFFER AREA |
| 150 | WASTE PACKAGE RECEIPT FACILITY (WPRF) |
| 160 | LOW LEVEL WASTE HANDLING (LLWH) |
| 17 | FUTURE AGING (20,000 MTHM) |
| 17A | AGING (1000 MTHM) |
| 17B | AGING (5,000 MTHM) |
| 17C | AGING (5,000 MTHM) |
| 17D | AGING (5,000 MTHM) |
| 17E | AGING (5,000 MTHM) |
| 18D | RESERVED FOR FUTURE EXPANSION OF DTF |
| 190 | CANISTER HANDLING FACILITY (CHF) |
| 200 | SHIELDED CANISTER FACILITY (SCF) FUTURE |
| 210 | FUEL HANDLING FACILITY |
| 220 | HEAVY EQUIPMENT MAINTENANCE FACILITY (HEMF) |
| 230 | NON-NUCLEAR RECEIPT FACILITY |
| 25A | UTILITY FACILITY (UF) |
| 25B | COOLING TOWER |
| 25C | EVAPORATION POND |
| 26A | SWITCH GEAR FACILITY |
| 26B | STANDBY GENERATOR FACILITY |
| 26C | EMERGENCY GENERATOR FACILITY |
| 27A | SWITCHYARD (230 kV and 138kV) |
| 27B | SWITCH GEAR FACILITY (12.7 kV) |
| 28A | FIREWATER FACILITY (NORTH) |
| 28B | FIREWATER FACILITY (SOUTH) |
| 28C | FIREWATER FACILITY (EAST) |
| 28D | FIREWATER FACILITY (WEST) |
| 30A | CENTRAL SECURITY STATION |
| 30B | CASK RECEIPT SECURITY STATION |
| 30C | NORTH PERIMETER SECURITY STATION |
| 33A | RAIL CAR STAGING AREA |
| 33B | TRUCK STAGING AREA |
| 35A | SEPTIC TANK AND LEACH FIELD |
| 61A | VISITOR CENTER |
| 62A | ADMINISTRATION FACILITY |
| 63A | FIRE, RESCUE AND MEDICAL FACILITY (OPERATION) |
| 63B | FIRE, RESCUE AND MEDICAL FACILITY (CONSTRUCTION/REMOTE) |
| 65A | ADMINISTRATION SECURITY STATION |
| 65B | ADMINISTRATION SECURITY STATION |
| 66A | HELICOPTER PAD (OPERATIONS) |
| 66B | HELICOPTER PAD (CONSTRUCTION/REMOTE) |
| 68A | WAREHOUSE/CENTRAL RECEIVING |
| 68B | MATERIALS/YARD STORAGE |
| 69D | VEHICLE MAINTENANCE AND MOTOR POOL |
| 70D | FUEL DEPOT |
| 70A | BULK FUEL STORAGE TANK |
| 71A | CRAFT SHOPS |
| 71B | EQUIPMENT/YARD STORAGE |
| 72A | STORM WATER RETENTION POND |
| CCC/PAS | CENTRAL CONTROL CENTER/PRIMARY ALARM STATION |

EXISTING
FENCE
FUTURE
3620 ORIGINAL CONTOURS
CHARACTERIZED AREA
WATER
POWER
RAILROAD
ROAD
SECURITY FENCE
INFRASTRUCTURE READINESS
INITIAL OPERATING CAPACITY - FUEL HANDLING FACILITY
INITIAL OPERATING CAPACITY - CANISTER HANDLING FACILITY
EXPANDED CAPABILITIES - DRY TRANSFER FACILITY
FULL OPERATIONAL CAPABILITY - PHASE II

NOTES

1. RAILROAD ALIGNMENT SHOWN IS CONCEPTUAL. FINAL ALIGNMENT TO BE DETERMINED BY TRANSPORTATION STUDY AS THE DESIGN DEVELOPS.
2. ROAD ALIGNMENT SHOWN IS CONCEPTUAL AND IS SUBJECT TO CHANGE AS THE FACILITY DESIGN DEVELOPS.
3. ALL NOMINAL PAD ELEVATIONS ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS THE FACILITY DESIGN DEVELOPS.
4. ALL COORDINATES AND ELEVATIONS SHOWN ARE IN FEET.
5. GRID IS BASED ON NEVADA STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICA DATUM OF 1927 (NAD 27).
6. ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)
7. LAYOUT REPRESENTS FINAL NORTH PORTAL OPERATIONS AREA BUILDING CONFIGURATION.
8. FACILITY SIZES AND LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON DEFINITIVE DESIGN INFORMATION AS IT IS DEVELOPED.
9. FOR MIDWAY VALLEY WASH DRAINAGE, SEE DRAWING NO. 100-COO-MGR0-00301-000-00A.
10. AGING FACILITIES PHASED TO SUPPORT AGING USE REQUIREMENTS. NOT SHOWN AT THIS TIME.

THIS DRAWING IS PRELIMINARY AND NOT INTENDED FOR CONSTRUCTION, PROCUREMENT OR FABRICATION.

| APPROVALS | INITIAL/DATE |
|---|---|
| DRAWN BY H. SARNIENTO | |
| DESIGNED L. SAN MIGUEL | |
| CHECKED | |
| VERIFICATION | |
| DESIGN LEAD ENGINEER R. PERNISI | |
| QUALITY ENGINEERING REP | |
| PROJECT ENGINEER R. HOLT | |

| REV | DESCRIPTION | DATE | DRN | DSN | CHK | VER | ELE | ARA | PE |
|---|---|---|---|---|---|---|---|---|---|

**U.S. DEPARTMENT OF ENERGY**
Office of Repository Development (ORD)
BECHTEL SAIC
Management and Operation of the Office of Civilian Radioactive Waste Management Program

# GEOLOGICAL REPOSITORY OPERATIONS AREA NORTH PORTAL 2010 OPERATIONS SITE PLAN

| SIZE | SCALE | DOCUMENT IDENTIFIER | REV |
|---|---|---|---|
| D | 1"=400'-0 | 100-COK-MGR0-00201-000-00A | |

| SAFETY CATEGORY | CAD FILENAME | SHEET |
|---|---|---|
| NON-SC | 100COKMGR000201A.DGN | 1 OF 1 |

Exhibit 9