

-----Original Message-----

From: Jack Nyhan [mailto:jwn@lanl.gov]

Sent: Monday, March 07, 2005 5:35 PM

To: kIRK.W.OWENS@saic.com; Roles, Gary W.

Cc: Susan D. Radzinski

Subject: Conceptual Landfill Cover Designs for MDAs C and L from our February 2005 Teleconference

Guys:

Pardon the interruption of effort - I was sick most of last week.

Here's the information I obtained from John Hopkins for MDA-C and MDA-L (nothing for MDA-G yet). I realize these aren't the landfill cover designs with all the layers and their thicknesses identified, but it's what I got.

From what I have found out, evidently, these drawings were done to support the document that Daniel B. Stephens & Associates, Inc. did for the borrow source survey.

John says:

Jack

DB Stephens has given us a draft of their borrow source survey. At the same time, I had them do a conceptual design of ET covers for MDAs C and L. The MDA C cover thickness of 8 ft is very conservative and was based on the 2.5 meter thickness required for the 65 acre Area G cover. Area G has significantly more curies than MDA C has so I think the MDA C cover will be less than 8-ft thick. However, modeling of the MDA C cover is 2 years down the road. The MDA L cover thickness of 3-ft is based upon requirements for an alternative RCRA cover. The MDA L cover does not have to survive 1000 years and we plan to implement SVE to remediate the VOC plume at L. I did send you the layout of these two covers.

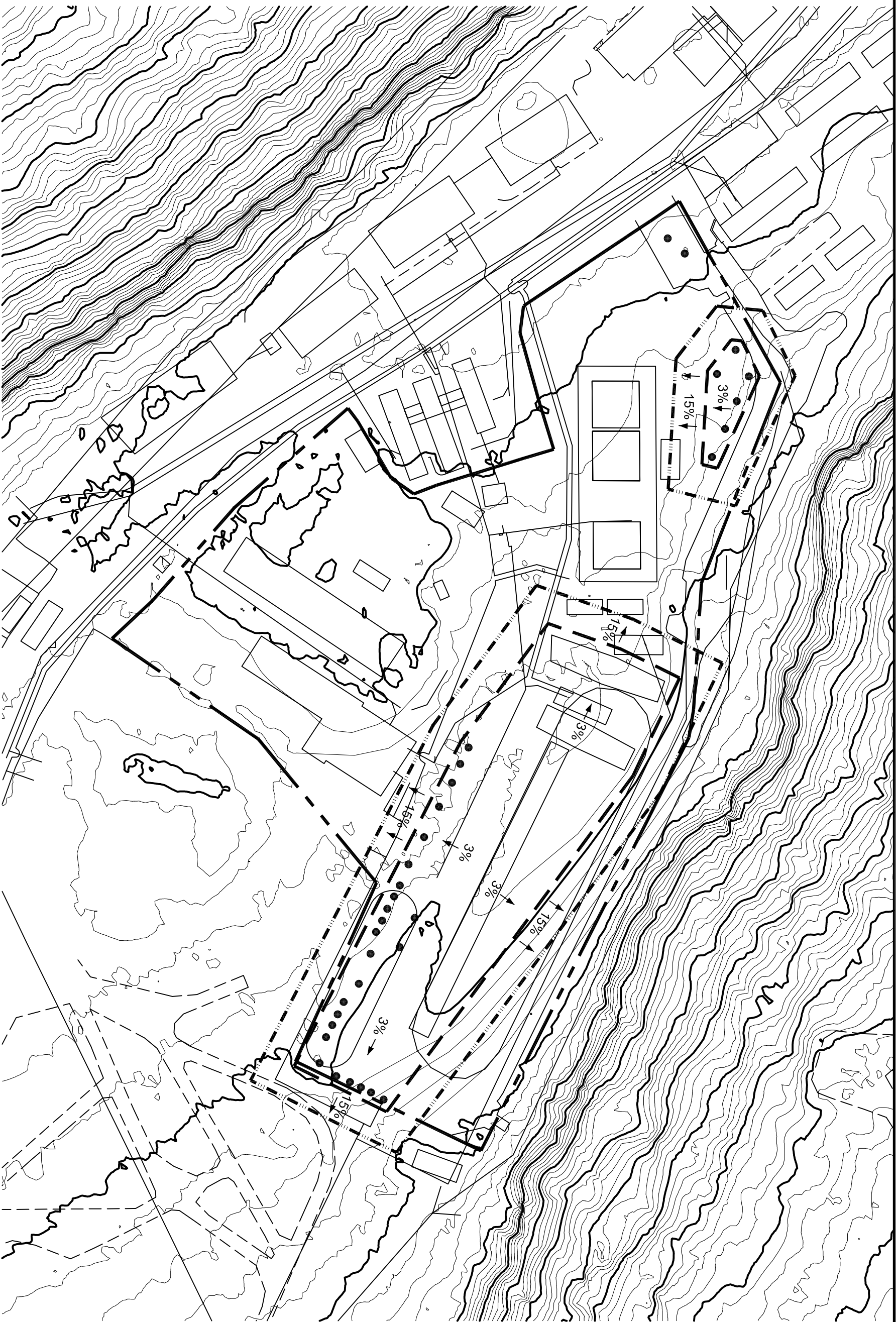
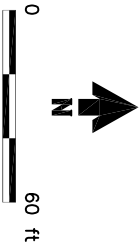
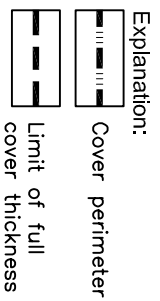
I'll try to get more information on this and MDA-G this week.

Thanks

Jack



Daniel B. Stephens & Associates, Inc.
6-16-04 JN ES04.0075



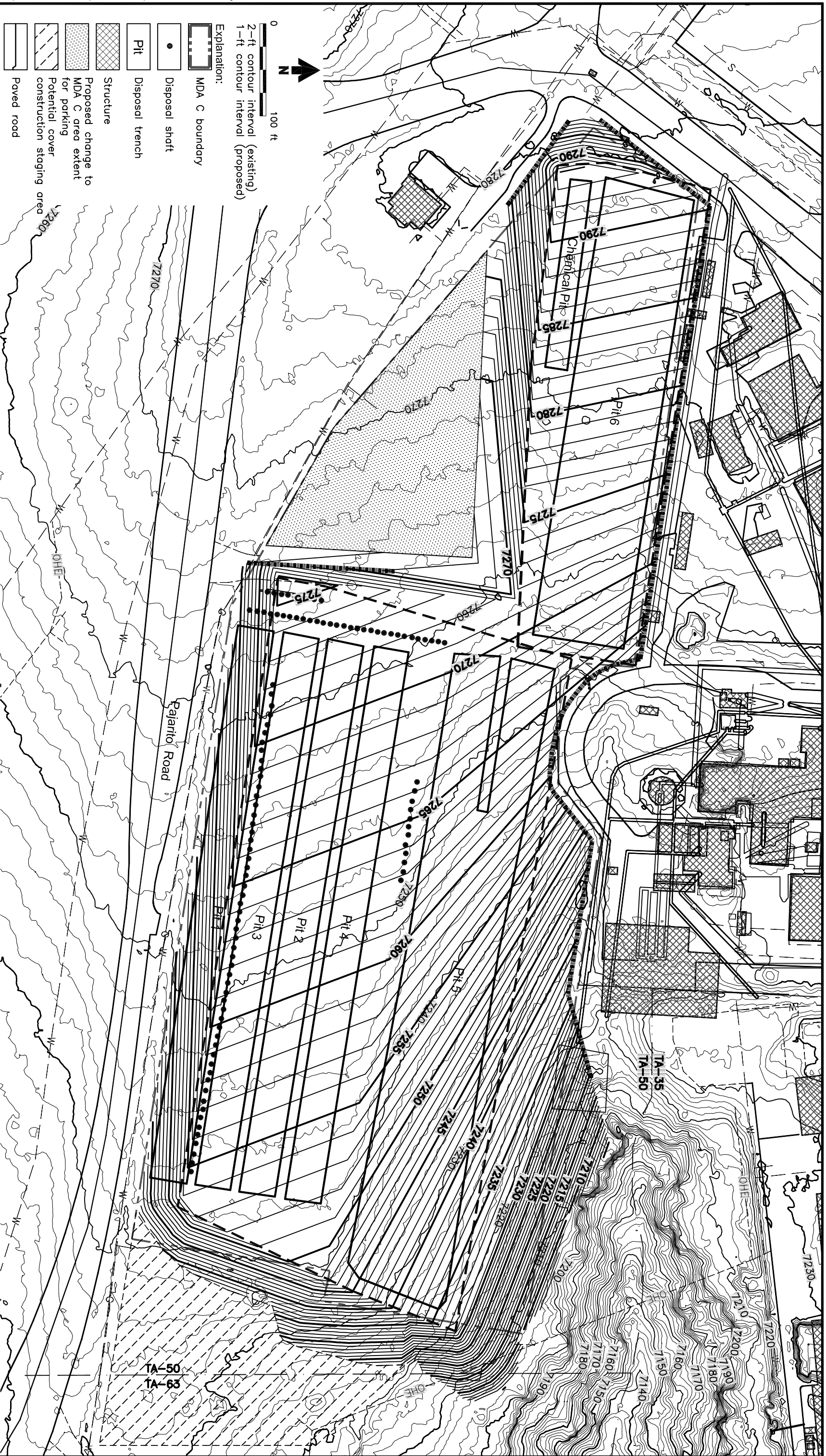
PRELIMINARY DRAFT

COVER BORROW SOURCE SURVEY
LOS ALAMOS NATIONAL LABORATORY
MDA L Preliminary Cover Layout for 3-foot Thickness



Daniel B. Stephens & Associates, Inc.
12-09-04 JN ES04.0075

- 0 100 ft
- 2-ft contour interval (existing)
1-ft contour interval (proposed)
- Explanation:
- MDA C boundary
 - Disposal shaft
 - Disposal trench
 - Pit
 - Structure
 - Proposed change to MDA C area extent
 - Potential cover construction staging area
 - Paved road
 - Dirt road
 - 10-foot index contour
 - Existing overhead electrical line
 - Existing water line
 - Existing sewer line
 - Limit of full cover thickness
 - Retaining wall



LANL COVER BORROW SOURCE SURVEY
MDA C Preliminary Cover Layout for 8-foot Thickness