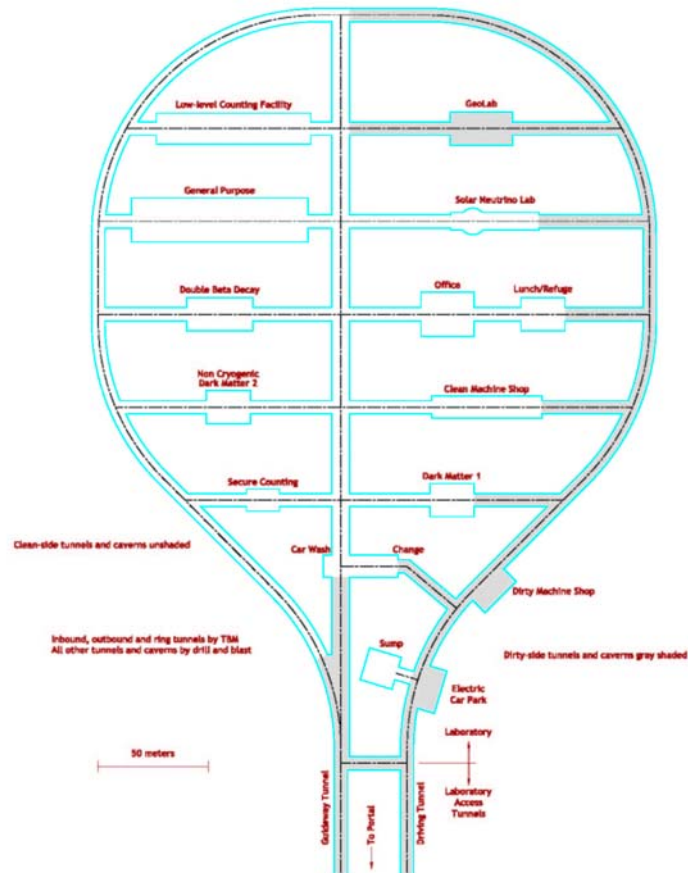


# Icicle Creek National Underground Science Laboratory

CNA Consulting Engineers prepared preliminary designs for a National Underground Science Laboratory (NUSL) at Icicle Creek in Washington State. CNA acted as an advisor for site assessment, developed the preliminary underground layout, coordinated the mechanical and electrical concept, and reviewed the WBS, project costs and the project proposal.

Icicle Creek NUSL - Preliminary Underground Layout



This horizontal access, ultra clean laboratory will be accessed via two TBM-driven tunnels through granite. The TBM will drive about 18,000 feet to the cavern complex, encircle the cavern complex and drive back out to the portal. Cavern construction may begin simultaneously with driving the second TBM bore.

The racquet-shaped preliminary underground layout features underground caverns to contain various physics, geoscience and geo-biology facilities, a solar neutrino lab, double beta decay and non-cryogenic dark matter Geolab, low-level counting facility, and mechanical and personnel facilities.

**Owner — University of Washington**

**Completion Date — Ongoing**

**CNA**  
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