



Project Spotlights: DGS Natural Resources Headquarters

LOCATION

Sacramento, CA

PRIME CONTRACTOR

Concrete North, Inc.

DESIGN ENGINEER

Turner Construction

CATEGORY

Permeable LCC



ABOUT THE PROJECT

Tight urban areas are making it more difficult to access and resulting in issues with site work and earthwork. In this case, cast-in-place concrete walls were poured around the perimeter of the site and left a near 1:1 excavation which needed to be filled and compacted. Additionally, a high water table meant some concerns over hydraulic pressure needed to be mediated.

THE SOLUTION

Lightweight cellular concrete (LCC) was quickly installed around the site's perimeter without needing compacting equipment. The water table concerns were mitigated using a pervious mixture of LCC, allowing water to permeate through the material and not causing an uplift to the overall structure of the cellular concrete.