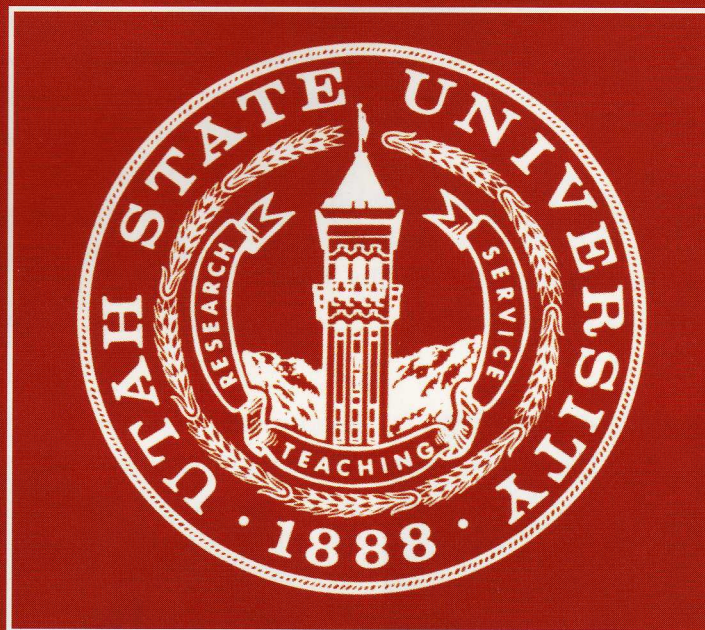


**Structural Integrity of Danby Process
Proven by Tests
at Utah State University**

**Danby Liner Increases Strength
of Host Pipe by 3000 PSF**



**Buried Structures Laboratory
Department of Civil and Environmental Engineering
Utah State University**

REPORT SUMMARY

Buried Structures Laboratory Utah State University

STRENGTH

- * The Danby liner increased the strength of the host pipe by 3000 PSF before ring deflection started.

STIFFNESS

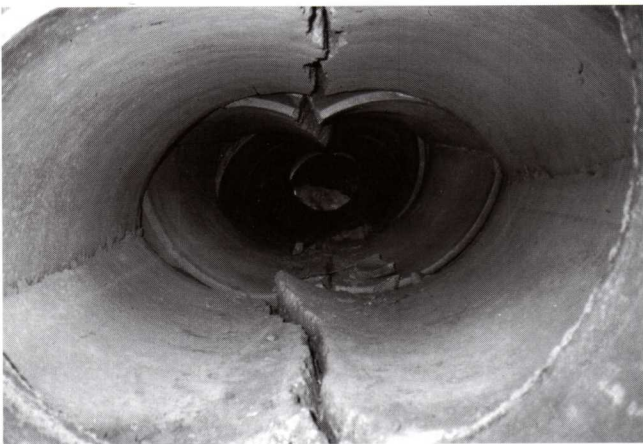
- * After ring deflection started, the liner increased stiffness of the host pipe by forty percent.

DEFLECTION

- * At nineteen percent deflection, the Danby lined pipe was still serviceable.

BELOW:

Photographs show both pipes when subjected to the maximum test load of 9,100 PSF. At this pressure ring deflection was approximately 19% and the Danby lined pipe could continue to serve as a buried conduit.



UNLINED PIPE

Unlined pipe is no longer serviceable.



DANBY LINED PIPE

At nineteen percent deflection, pipe was still serviceable.

