

GEORGIA INSTITUTE OF TECHNOLOGY – Atlanta, Georgia

HOLLAND PLANT STANDBY PROPANE SYSTEM

SCOPE Conversion of boiler standby fuel system from #6 heating oil to blended propane/air system.



NEW 30 000-GALLON PROPANE TANK

Owner
GA Institute of Technology

Mechanical Contractor
Martin Mechanical

Prime Consultant
Johnson, Spellman &
Associates

Construction Cost
\$2,300,000

SPECIAL CIRCUMSTANCES

- Removal of 1950's underground tanks and pump house with 250,000-gallon total capacity.
- Optimized underground propane storage capacity with six tanks totaling 175,000 gallons based on limited site footprint.
- Extensive shoring of tank excavation and re-profiling of adjacent road.
- Fail-safe backup for natural gas with propane/air mixer (natural aspirated design).
- Aggressive 16-week construction window during 2001 summer break.
- Remotely-operated nitrogen controls monitored by plant DDC.



Johnson, Spellman & Associates, Inc.

6991 Peachtree Industrial Boulevard, Building 700
Norcross, Georgia 30092-3601
(770) 447-4555 fax (770) 246-9042 www.jspace.com

