University Steam Line Construction Projects

presented by David Blatchly, Project Engineer,
Physical Plant All Hands Meeting, 2004

- Gutterson Field House to Simpson Hall
- Manhole 103 (under Main St.) to Harris Hall
- Re-routing of Phase I – CHP to Manhole 14
Existing Pipe – 25 yrs old
Pre-Cast Trench Boxes
Mud Slab
Drain & Manholes
Box Layout
Setting the Boxes
Insulation/Metal Jacketing
Casting Imperfections
Water Proofing

Bituthene® 3000
W.R. Grace & Co.

AUG 11

AUG 11 2003
Gutterson Tie-in
Site Flooding
Highlight Summary

- Trench Box Casting Imperfections
- Blasting!!!!!
- Gutterson Tie-In – Field Change
- "It’s just temporary!" – Site Storm
- Project Cost $1880/LF
PROJECT: Manhole 103 to Harris Hall – Summer/Fall 2004
Direct Buried Conduit System
“The Big Dig”
"Knockout"
“Threading the Needle”
Existing Pipe
Summary

• Main St. Crossing - Culvert
• Perma Pipe Delivery Time
• Pre-fabricated Pipe Layout
• Project Cost $1125/LF
PROJECT: Re-routing of Phase I/CHP to MH #14 – Spring/Summer 2005

- Steam and Chilled Water
- Chilled Water to Commons, BH, Old Mill, RTT
- Central Towers & Chillers = Increased level of maintenance, efficiency and operations
- Perma pipe to be pre-ordered during fall 2004
Scheme #1
Scheme #2
THE END
THANK YOU