

"NPCA First Place Award - Underground Entry" *Borragas Avenue Sewer Replacement Project*



On behalf of everyone at GSE Lining Technology, Inc., I would like to Congratulate **Central Precast**, Livermore, CA, on winning the NPCA CUP Award "First Place - Underground Entry" for their *Borragas Avenue Sewer Replacement Project*, Sunnyvale, CA. The award was presented at the MCPX Show on February 23-25, 2006 in Anaheim, CA. For more information on this award winning project please visit Central Precast's website at www.central-precast.com.

GSE was the supplier of "StudLiner" the concrete embedment liner used on this project. Lewis Titus of Titus Industrial Group, Inc. is GSE's Representative in Central California was instrumental in the development of the specification and project support. A special thanks goes to the following for their support: James G. Craig, Chuck Newmeyer, P.E. with the City of Sunnyvale, and Thomas J. Bergin, P.E. with Lee & Ro Inc.

The project consisted of eleven precast concrete junction structures with channels for 42" pipe. GSE StudLiner was lined on the entire interior of each eleven junction structures including channels and pipe openings. The biggest junction structure weighed 74,000 lb. Due to the project complexity, the contractor originally was going to cast-in-place these structures instead used precast concrete. By switching to this method it saved 10 percent cost over the cast-in-place concrete.

GSE StudLiner is a high density polyethylene (HDPE) embedment liner that provides concrete protection from mechanical damage and corrosive environments in a wide range of industrial, municipal and civil applications. GSE StudLiner not only saved money on this project, but also prevented corrosion from high H₂S gas concentrations and eliminated the infiltration from high groundwater.

Combine with these products attributes and my commitment to quality customer service you can rest assured that I will provide the most cost-effective solutions to your concrete project. If you have any question regarding this project or upcoming projects, please do not hesitate to contact me. I look forward to introducing GSE StudLiner on your next project.

Sincerely,

Jim Henke

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