

Lining at Biltmore Estate



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By David Martin
ALE Project Manager

In the floodplains of the South French Broad River, on the property of the beautiful Biltmore Estate is where job # 19-36 began. We were awarded the contract from the Metropolitan Sewerage District of Buncombe County, but everyone knew they were working for the Biltmore. Bypass began at the beginning of January and was set up dealing with continuous rain and very cold wet conditions. Once bypass was running, we were shutdown several times due to rain events that caused serious flooding. Matting and frequent scraping was required to reinforce a muddy, gravel road that the Biltmore was strict about maintaining access for their company police and maintenance trucks. There were corn fields, horse pastures, and chicken coops in this area be-

fore we arrived. Tim Hagee and crew were vital for supporting the lining crew. They did everything from road building and moving equipment, to helping with inversion and 24-hour pump watch. The lining was 4,000 ft of 36-inch sewer pipe, broken into four shots. Jimmy Peterson and crew are truly large diameter experts. Jimmy's knowledge and experi-

ence are surpassed only by his ability to make a plan and execute it. Lining began with a 1,250 ft shot, that was delivered in a tractor-trailer that weighed nearly 112,000 lbs. Wet-out deserves tremendous credit for all the work that went into prepping, stacking, and delivering such heavy liners. Scott Roberson backed the truck down the mud and

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gravel road all the way to the manholes. Jimmy used 3 boiler trucks to process the liners. They worked through rain and snow without complaint. The next setup was 800 ft upstream for shot 2 and 650 ft downstream for shot 3. The final shot was another 1,250 ft through a tight reinforced concrete opening. They lined passed 22-degree offsets in the pipe without problem. The downstream manhole had octagon shaped pipe for 10 ft on either side of the manhole, which was only 20 ft from the bypass discharge and still delivered an outstanding quality liner that MSD said

was the best they'd ever seen. Both Jimmy and Tim showed great character and leadership during the job and coordinated everything successfully from start to finish. Peter Martin also deserves credit for his thoughtful planning and relationship building, without which, we wouldn't have received the contract in the first place. He really does leave no stone unturned. This high-profile job was finished ahead of schedule and without issue. It is a credit to the efficiency and execution of AM-Liner East employees. We have already been awarded additional work from our client because they recognize our professionalism within the Storm and Sewer Rehabilitation Industry. Special thanks to the office staff for their patience and support. Thank You to everyone who was involved in making this job so successful.

