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## HDD DEALMAKERS AND DEALBREAKERS

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**ABSTRACT:** Advantages of HDD have become widely known prompting more diverse applications and feasibility evaluations. While many site specific conditions contribute to the basis of chosen installation technologies, a few hinge issues can often serve as key determinants for selecting HDD. These issues are discussed in the context of five case histories, some where HDD was selected, and some where HDD was initially preferred but in the end was not used. Chosen case histories include a 12" sewer siphon, a 12" hillside gravity sewer, a 30" water main, a 46" sewer main, a 16" water main, and a 48" waterline. Contrasting examples are given for how the technology decisions developed and were concluded. Analytical comparisons are provided and simplified conclusions to help identify when clear HDD advantages or obstacles are present. Comparisons include open trench, microtunneling and pipebursting.