PIPE REPLACEMENT POSSIBILE

Concrete Culvert Overview Flowchart
Structural Defects Flowchart (Concrete)
Bedding Deficiencies Flowchart (Concrete)
Hydraulic Capacity Flowchart (Concrete)

1. DESCRIPTION

Pipe bursting can replace circular pipes up to 54 in diameter. The length is typically limited to 750 ft (Sterling et al, 2009). The applicability is not limited by culvert pipe type, shape, corrugations on the inside surface, or condition. Installation can be performed in live flow conditions. Most favorable bursting projects involve pipes that were originally installed by trenching or open cut because the fill material surrounding them is usually conducive to pipe bursting. Upsizing depends on the soil conditions as well.

2. REFERENCES

Sterling, R., L. Wang, and R. Morrison, 2009. "Rehabilitation of Wastewater Collection and Water Distribution Systems," White Paper, EPA/600/R-09/048, May 2009, US Environmental Protection Agency, Washington, DC, 92p.

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