



## Locate, Inspect, Plan

# Best Practices for Damage Prevention in the HDD Process





## Presenters:

- Christopher Thompson – Product Marketing Manager –  
Locating, Subsite Electronics
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HDD Guidance, Subsite Electronics



## Damage Prevention

### *Who's Responsible?*

- From project engineers to contractors, everyone plays a role in damage prevention







## Underground Awareness

*How do we prevent damage?*

- Know what hazards are present
  - Locate
  - Inspect
  - Plan





## Locate

### *First Steps*

- Plan entry/exit
- Whiteline
- Call 811
  - Call local utility companies



**Know what's below.  
Call before you dig.**



## Locate

### *Next Steps*

- Know your waypoints
- Visually identify
  - Pre-bore inspection
- Markings
- Communicate



### Color Codes for Utilities

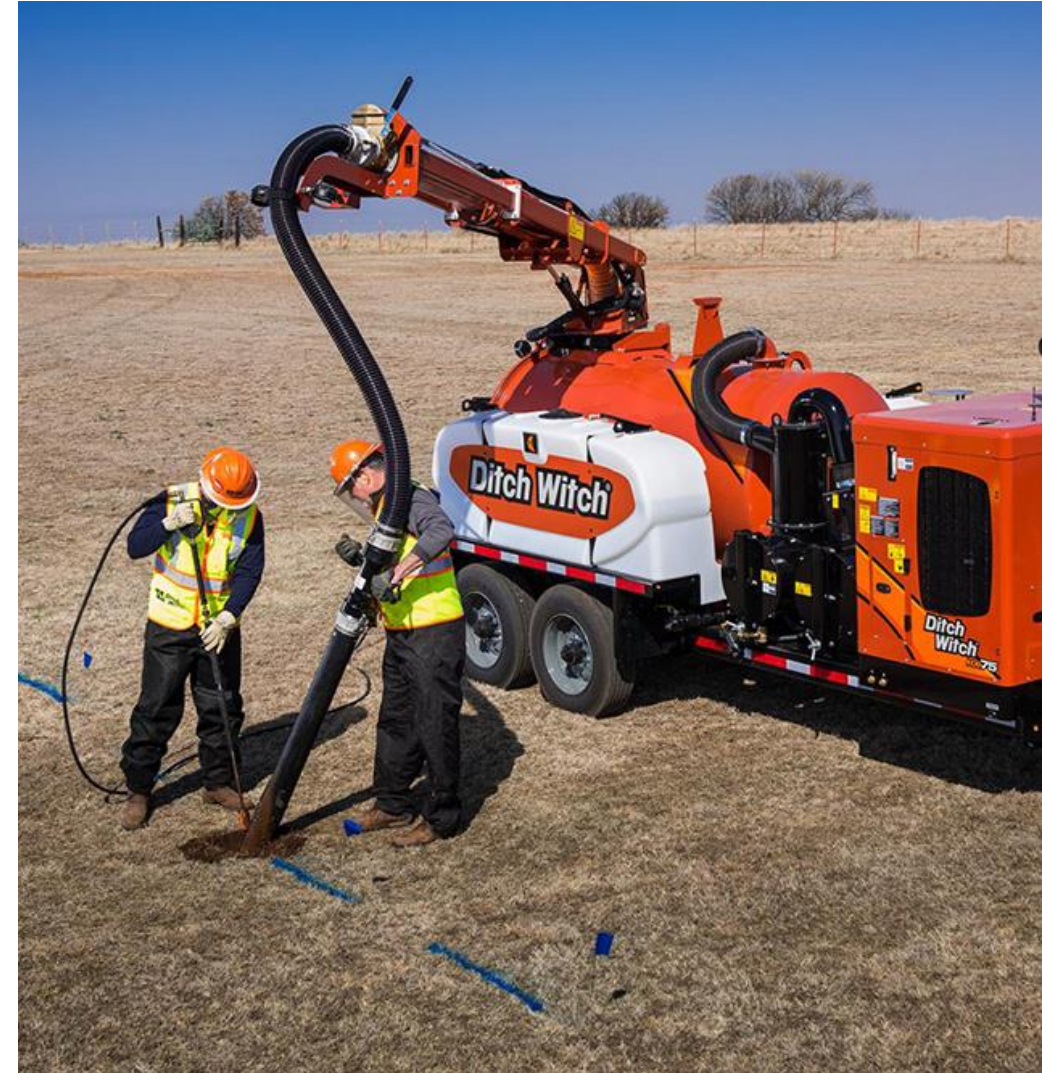
	Red — Electric
	Orange — Telecommunication
	Yellow — Natural Gas
	Green — Sewer/Waste
	Blue — Drinking Water
	Violet — Reclaimed Water
	Pink — Unidentified Facilities
	White — Proposed Excavation





## Inspect

- Crossing vs. Paralleling
- Visually verify
  - Soft excavation
- Vertical and horizontal clearance





## Inspect

- Post-bore inspection
  - Cross bore
  - Sewer/water
  - Natural gas





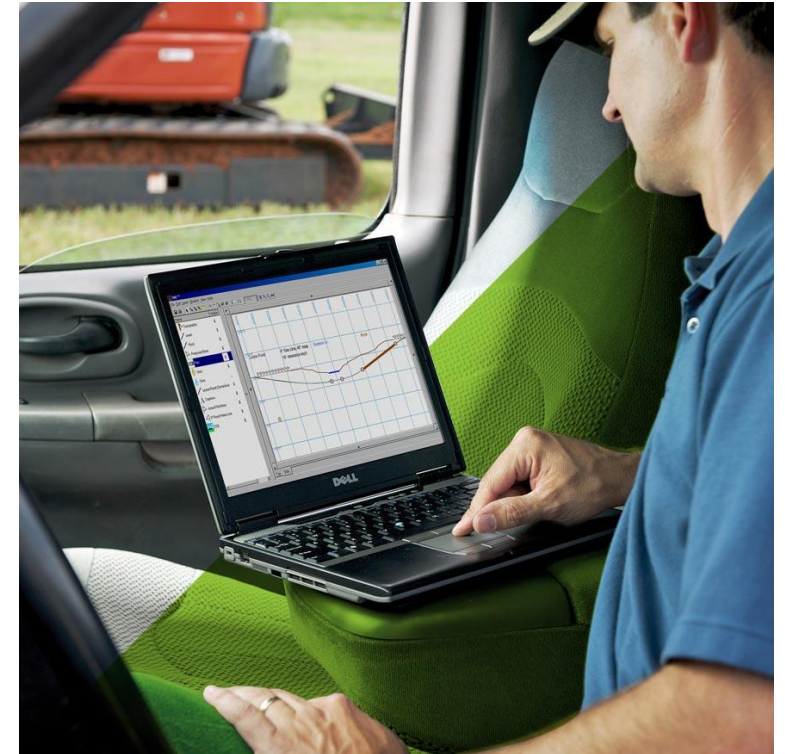


# UNDERGROUND CONSTRUCTION TECHNOLOGY

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## Plan

- Path
- Depths
- Waypoints
- Utilities





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## DON'T ASSUME!





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## QUESTIONS?