



Trenchless Pipe Slitting for Gas Line Replacement

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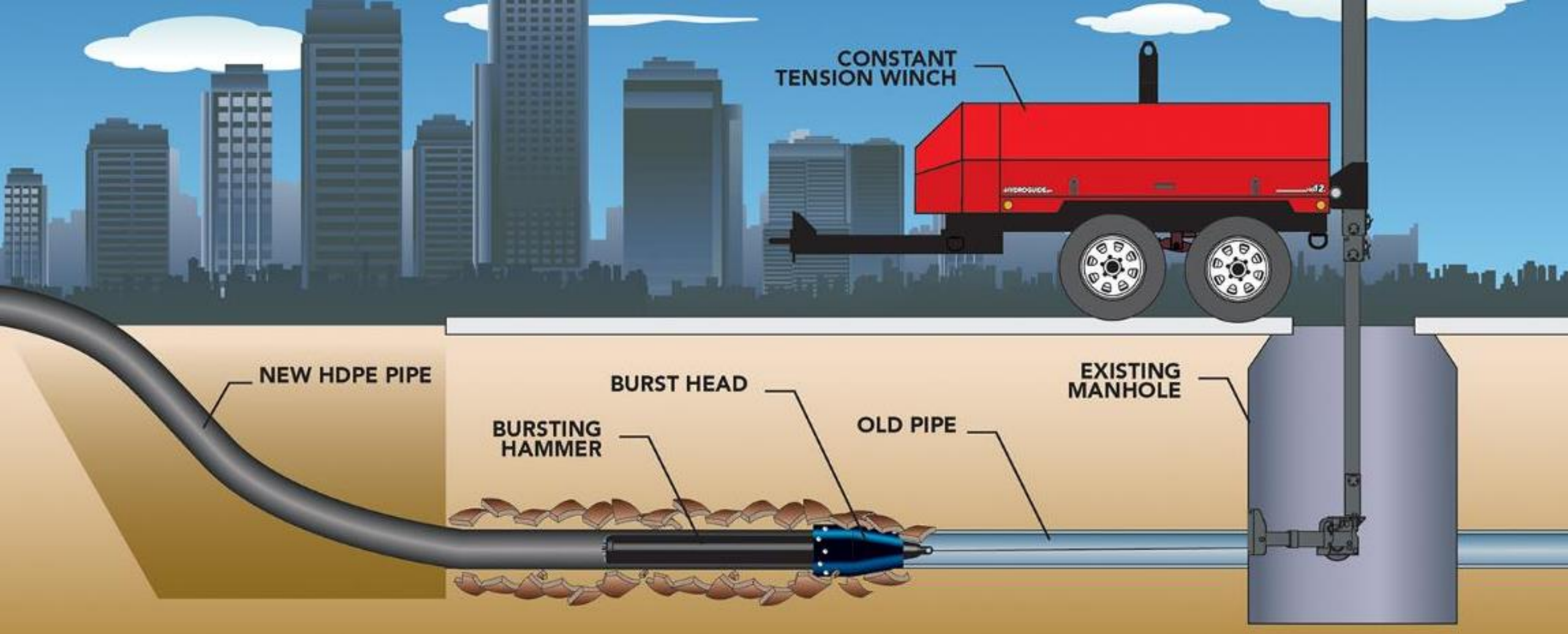
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Piercing tool compaction devices

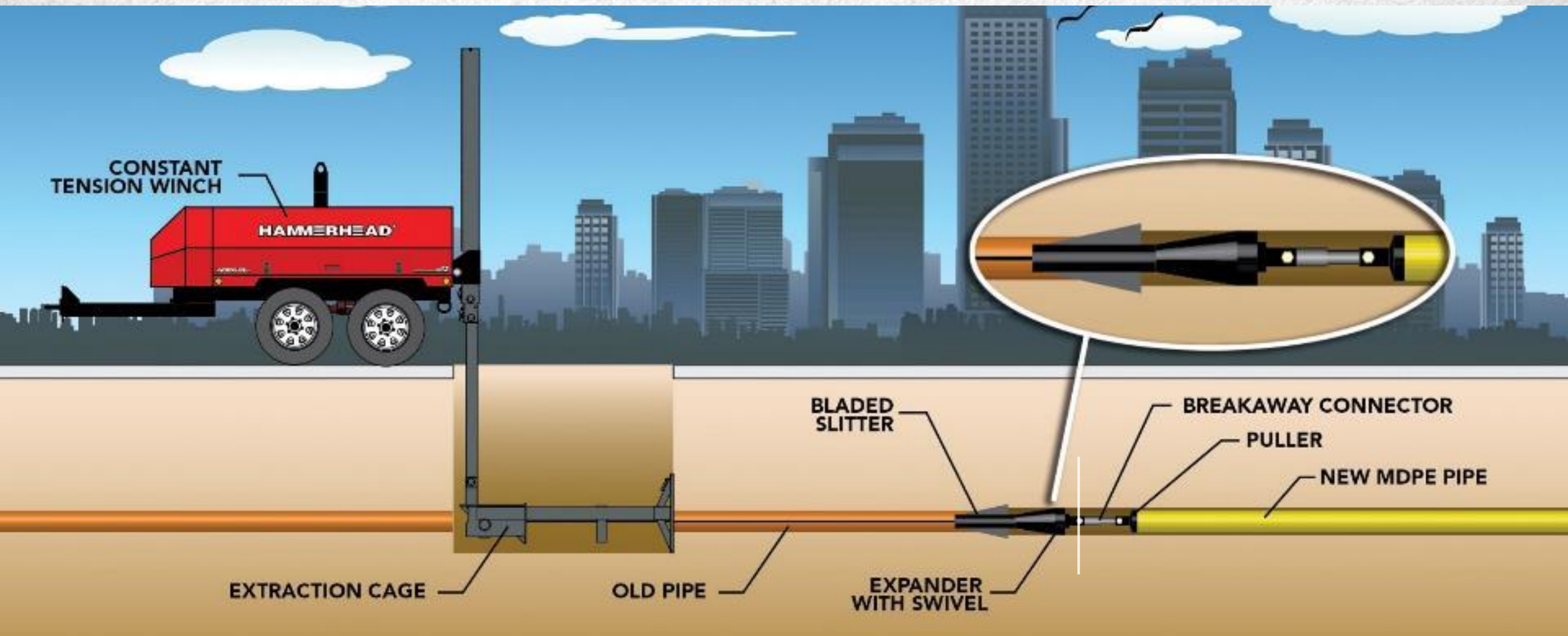




Pneumatic pipe bursting



Gas Line Slitting







Same Path™ Pipe Slitting for Gas Line
Replacement by HammerHead® Trenchless

ADVANTAGES

- ½" to 4" PE pipe
- Same Path
- Reduced risk of cross bore
- Short learning curve
- Fast
- Safe
- Cost effective



ADVANTAGES

- Proven technology
new application vs. new product
- Eliminates need to
decommission old pipe
- Same process may be used
to decommission pipe
when HDD process is
utilized



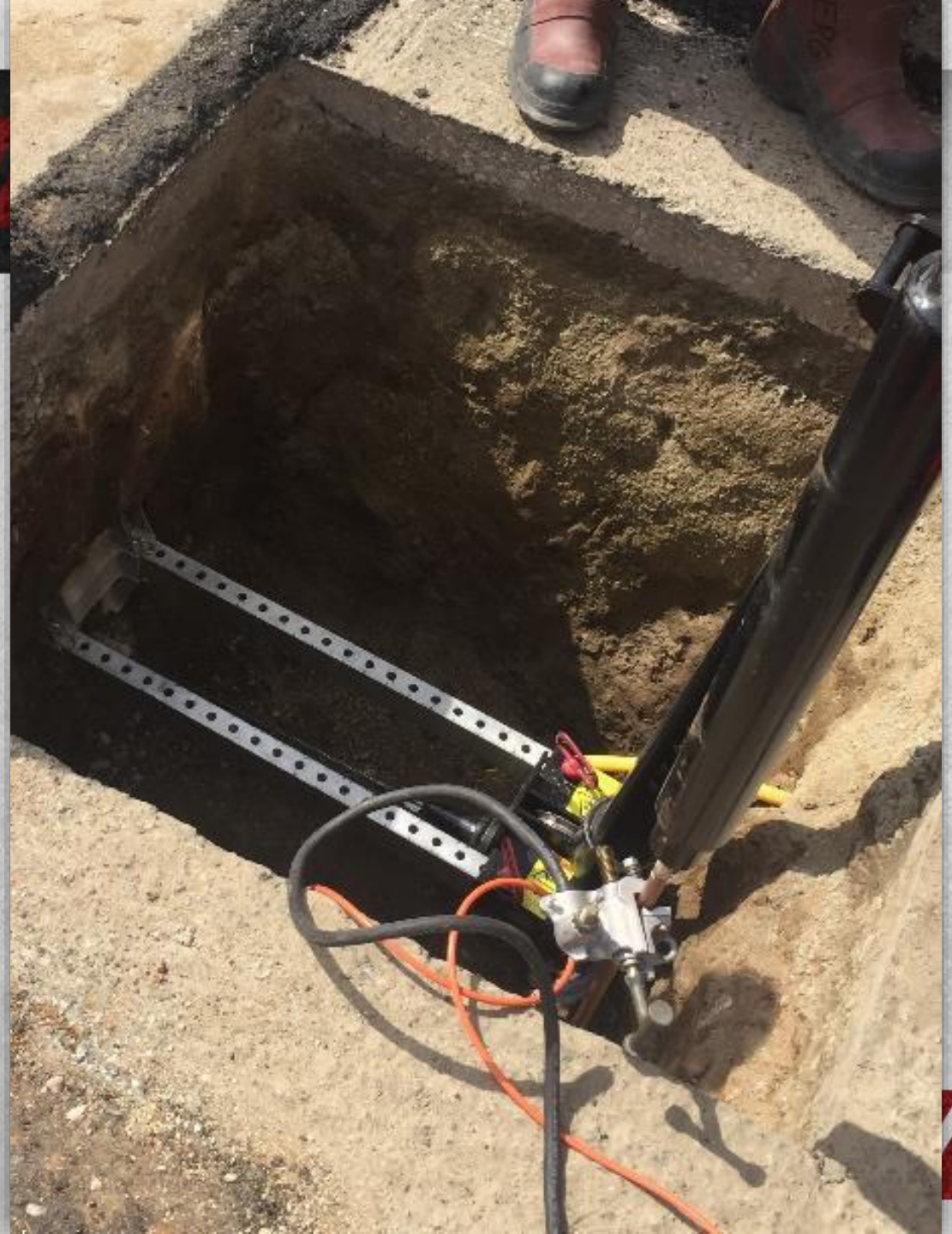
About HammerHead



- American Made Equipment – HydroGuide Cable Winches
- American Made Tooling – SamePath Technology
- Local Machines, Local Support , Local Training
- Innovative, Customized Solutions



HG375T ½" – 2"



HG1200T 1.5" – 3"



HG2200T 2" - 4"





**Electrical Grounding Blanket
Operator Personal Protective
Grounding Grid
Electrical Strike Indicator Standard**



12-TON CABLE WINCHES

Payout speed of up to
111 feet per minute



12-TON CABLE WINCHES

AUTO BOOM
Patented self-deploying hydraulic downrigger. With the touch of a button, adjust the boom to the exact depth required



12-TON CABLE WINCHES



ESID SYSTEM

Optional Electrical Strike Identification system provides additional safety features when working close to adjacent utilities

12-TON CABLE WINCHES



PRECISION CONTROLS

Control platform allows for fully adjustable line speed and pull force

12-TON CABLE WINCHES



HG1200AT

Optional track-mounted configuration allows access in difficult areas

12-TON CABLE WINCHES



HYDRAULIC LEVELING JACKS

This optional feature makes for easy adjustments down hole increasing efficiency

TOOLING STRING



**BLADE
PILOT**





STANDARD BLADE SET

Slice through pipe, tees and couplers. Slit extracted pipe, available from $\frac{1}{2}$ " – 4".





SEPARATION
TUBE





EXPANDER

With incorporated swivel
assembly and cable wedge
connection assembly.
Available from ½" – 4".





SLEEVED PULLER

Secure and protected connection
of new pipe installed.
Available from 1" – 4".



BEACON HOUSING

Monitor progress and ID location of tooling. Easily incorporated into existing tooling string.

OPTIONAL FOR JOINT TRENCH



LOW PROFILE BLADE SET

Swap out standard blade set for low profile blade set when adjacent utilities are in close proximity and shots are without couplers or service connections.



JOINT TRENCH TOOLING



OPTIONAL



INTEGRATED BREAKAWAY ASSEMBLY

Ensures pulling load does not exceed manufacturer and design specifications.
Designed to integrate directly into pulling expander.
Available for 2" and larger expanders.



CASE STUDY: BGE & INTREN PIPE SLITTING

220' of slitting 4" Low pressure

Installing 1.25" High pressure





MACHINE PIT



ENTRANCE PIT

220' of slitting 4" Low pressure | Installing 1.25" High pressure





TRACKING ELECTRONICS

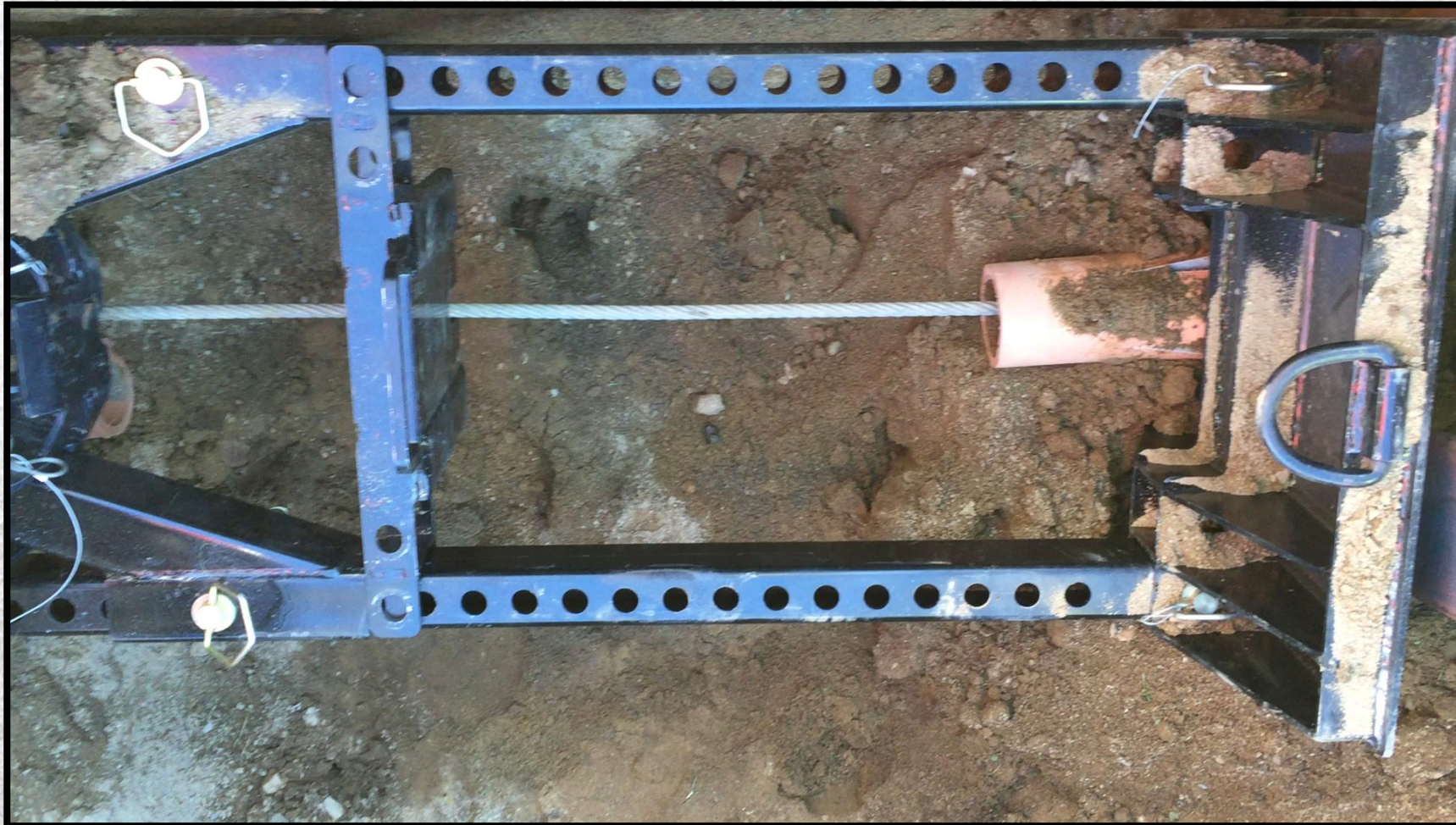


DECOMMISSIONING



TRENCHLESS TELEVISION

VIDEO: Avista Gas 4" Aldyl-A - 4" MDPE



VIDEO: splitting pipe as extracted into exit pit





HAMMERHEAD UNIVERSITY





QUESTIONS?



www.hammerheadtrenchless.com