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PIPE BURSTING QUESTIONNAIRE FORM

PNEUMATIC IMPACTORS CONNECTED TO HORIZONTAL DIRECTIONAL DRILL MACHINES

| | | |
|--|-------------------------|-----------------------|
| Customer: _____ | Customer Contact: _____ | Phone: _____ |
| Dealership: _____ | | Dealer Contact: _____ |
| Please return via fax to Earth Tool (262-567-5068) ATTN: _____ | | |

OPTIONS FOR CONNECTING A DIRECTIONAL MACHINE TO A PNEUMATIC IMPACTOR CAN BE NUMEROUS IN SCOPE. PLEASE TAKE TIME TO COMPLETE THIS QUESTIONNAIRE

1. Has the customer been informed that the British Gas license agreement requires Earth Tool Company LLC to submit his name to British Gas if a demo is done or if they purchase or rent bursting equipment?

2. What type of material is the existing pipe? (Clay tile, cast iron, concrete, PVC, Polyethylene, transite, Orangeburg, wood, ductile iron*) _____
3. If concrete, is it reinforced with steel wire? _____ How old is the pipe? _____
4. Is the pipe surrounded or partially surrounded with concrete? _____
5. Are there steel repair clamps on the pipe to be burst? _____
6. Type of utility. Gas, water, sewer, electrical, other _____
7. Has the pipe previously been rehabbed by a lining method? _____ what is the age of the liner? _____ Condition of liner? _____
8. Existing Pipe Diameter
 - A. Inside diameter _____
 - B. Outside diameter _____
 - C. Connection bell diameter if known _____
 - D. Manhole Diameter at base _____

| CIPS | Outside Diameter | | DIPS | Outside Diameter |
|------|------------------|--|------|------------------|
| 8" | 8.625" | | 8" | 9.050 |
| 10" | 10.750" | | 10" | 11.100 |
| 12" | 12.75" | | 12" | 13.20 |

9. Do the specifications call for the installation of HDPE pipe? Yes _____ No _____

12/20/2004

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10. Nominal Diameter of pipe being installed _____ SDR Rating _____ DIPS or CIPS _____ Measured OD _____ Measured ID _____
11. Depth of existing utility line to be replaced? Exit _____ Entrance _____
12. Can an entry pit be dug to accommodate a 2.5 to 1 length to depth ratio for the new pipe? _____
13. Indicate the anticipated length of the burst. _____
14. What structure or landscape is above existing line? _____
15. Are manholes being replaced on the project? _____
16. How many lateral connections are on the section to be replaced? _____
17. Describe the earth surrounding the existing utility. What is it composed of? Clay, blue, red, brown, white _____ Sand, gravel, rock? _____ How compact is it? Would you be able to stick a knife blade in _____ How far? _____
14. Is equipment and personnel available to fuse HDPE pipe? _____
15. Is equipment available to excavate the site including shoring of pit? _____
16. Is existing utility bypass equipment required and available? _____
17. Has the existing line been video taped for condition and placement of lateral connections? _____ Is a copy available for review? _____
18. Have all associated utilities been located and topical assessments verified? _____ Has Digger's Hotline been contacted? _____
19. What is the preferred constant tension type of equipment? Winch, directional drill (list size type and style model) _____
20. Can the job be set to burst up stream (against the flow)? _____
21. Do you have an expert HDD Operator and locator assigned to the project? _____
22. Indicate directional drill size and type _____
23. What is the drill rod diameter? _____
24. Can supply air be controlled at the drill to permit rod changes _____
25. Are flag adjustments for drill rod to vise alignment in proper working condition? _____
26. Will stake down be adequate to permit full pullback during the entire process? _____
27. Have all utility locates been done to ensure that a bore can be made to enter the manhole at the depth of the pipe to be replaced? _____
28. Is there space to park a drill? _____ Can a bore be constructed to enter the pipe being replaced? _____

If additional information is available about the project, add a separate page.