




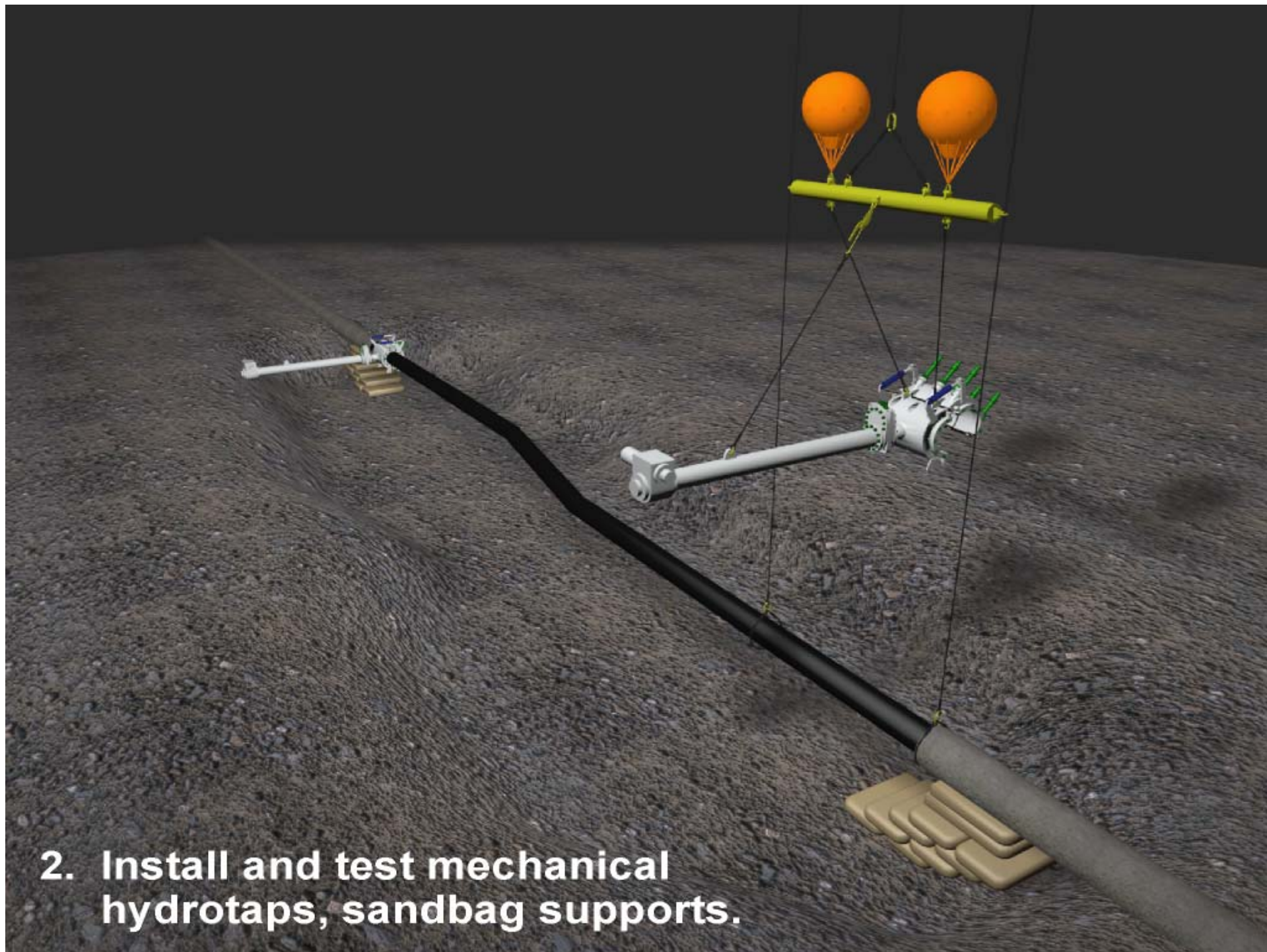
DIVECON

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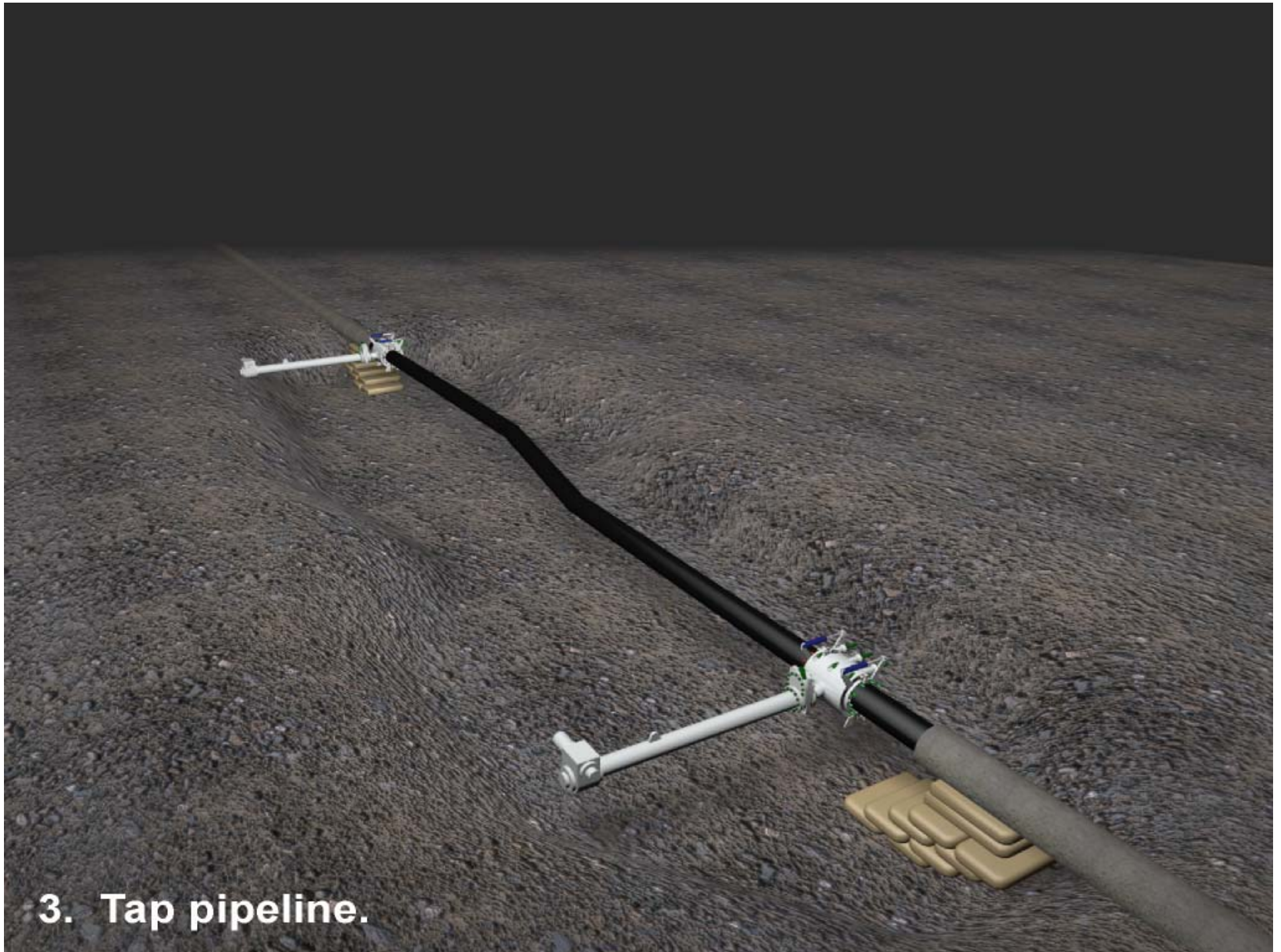
12- inch Gas Subsea Pipeline Repair

A black pipeline runs diagonally across the frame, resting on a sandy seabed. The seabed is covered in fine, light-colored sand with some darker patches. In the background, a diver is visible, partially obscured by the pipeline. The sky is a uniform dark grey.

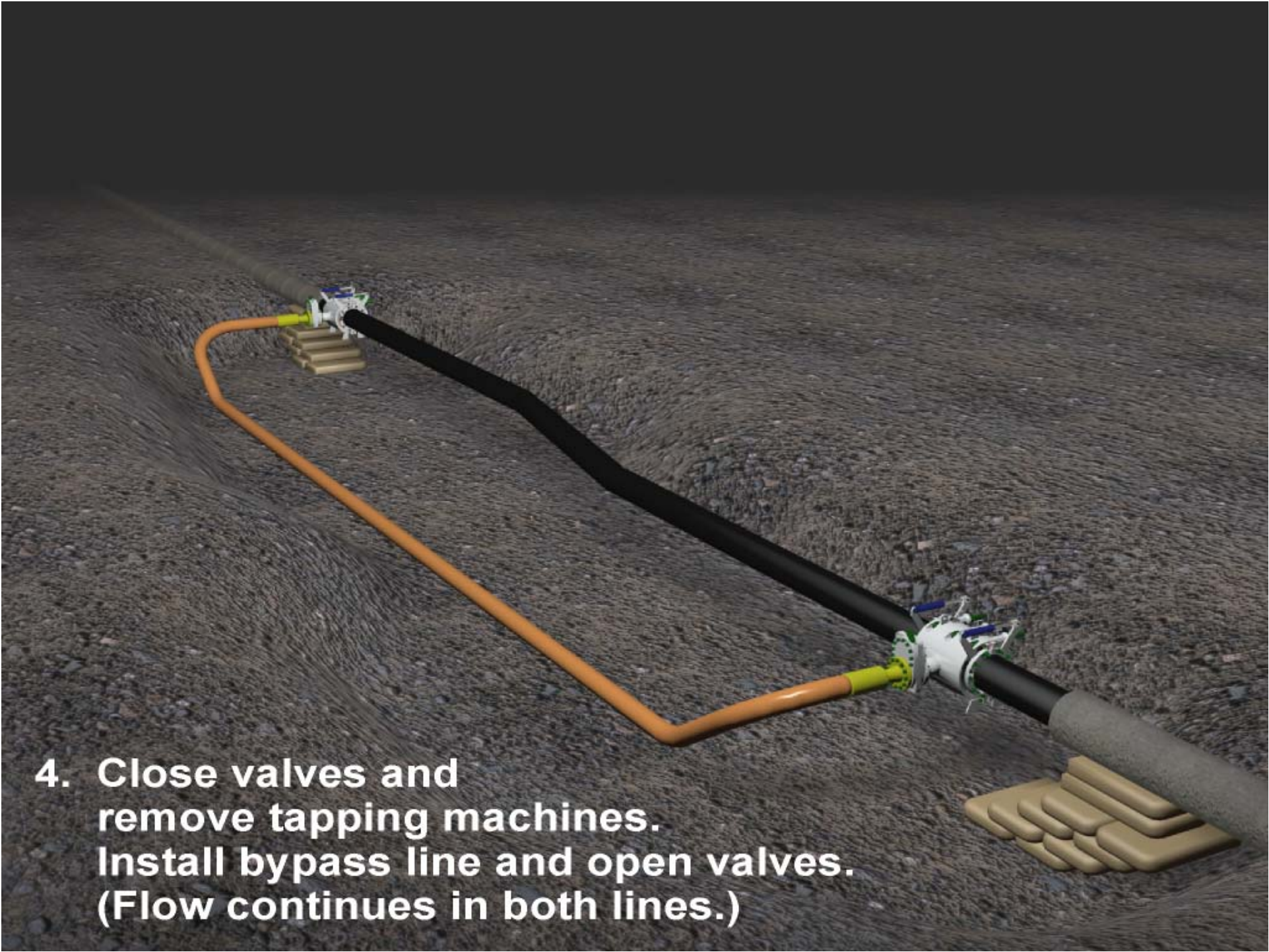
**1. Take pipeline measurements.
Clean obstructions from seabed.
Remove coating.**



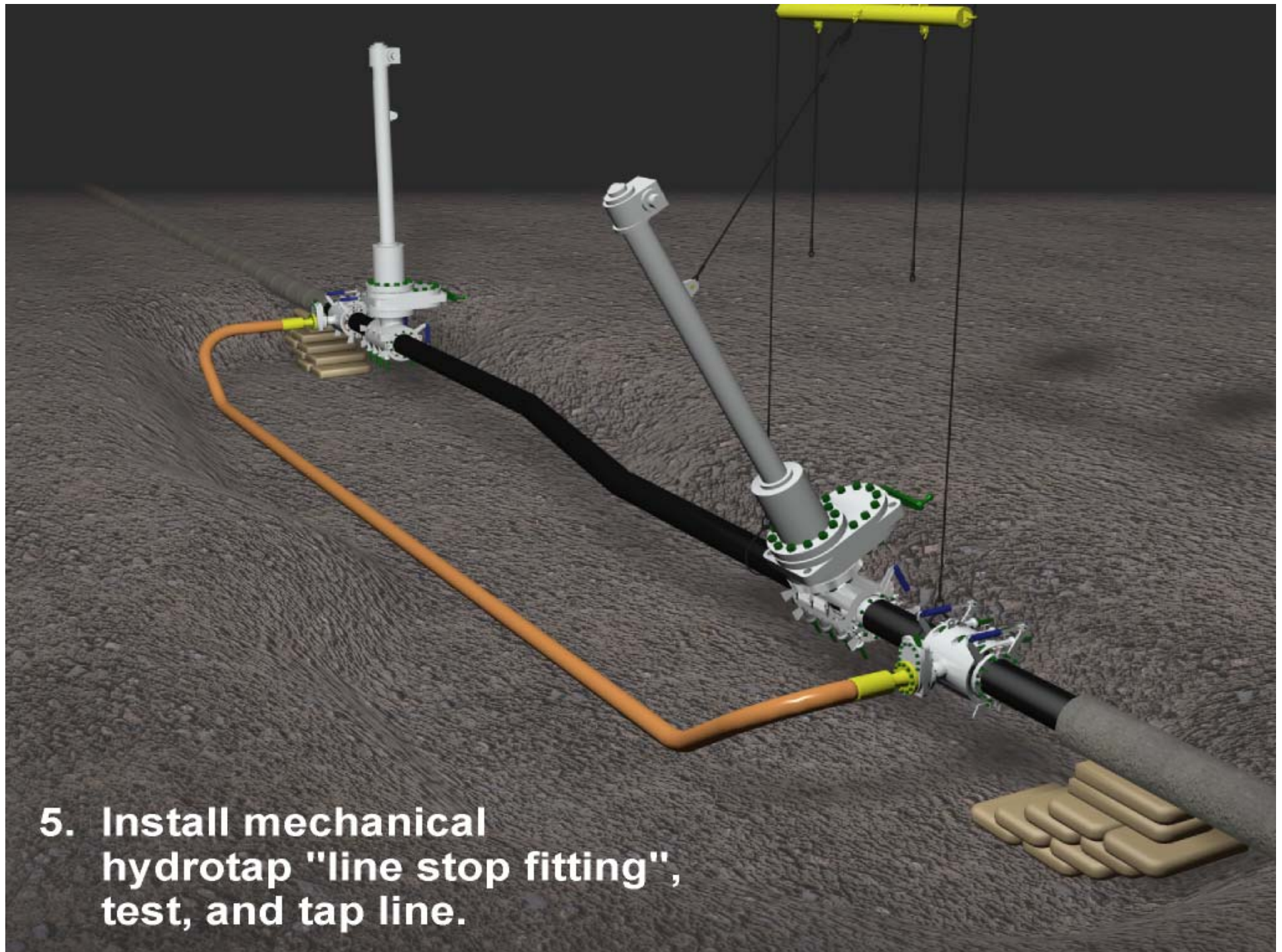
2. Install and test mechanical hydrotaps, sandbag supports.



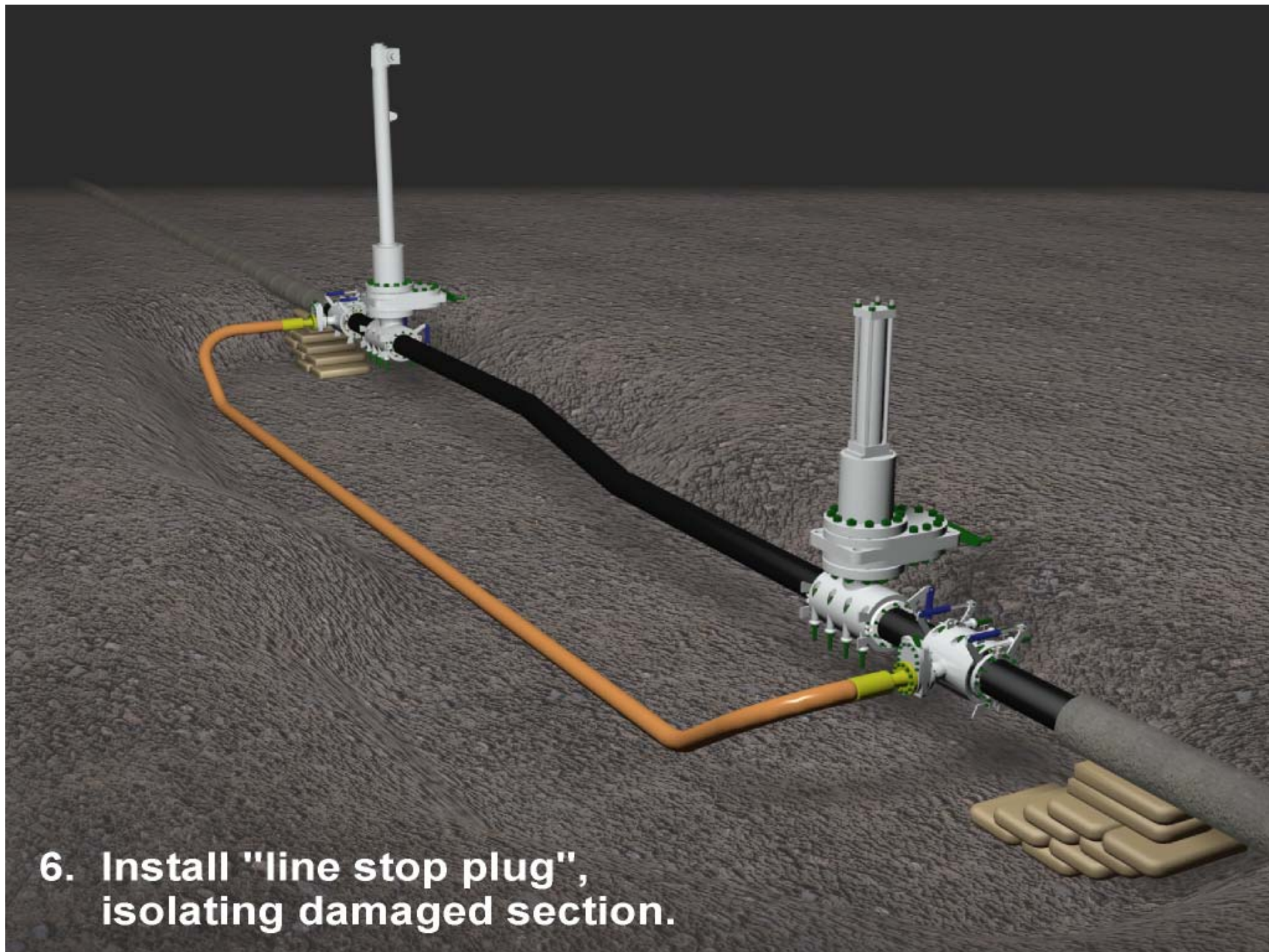
3. Tap pipeline.



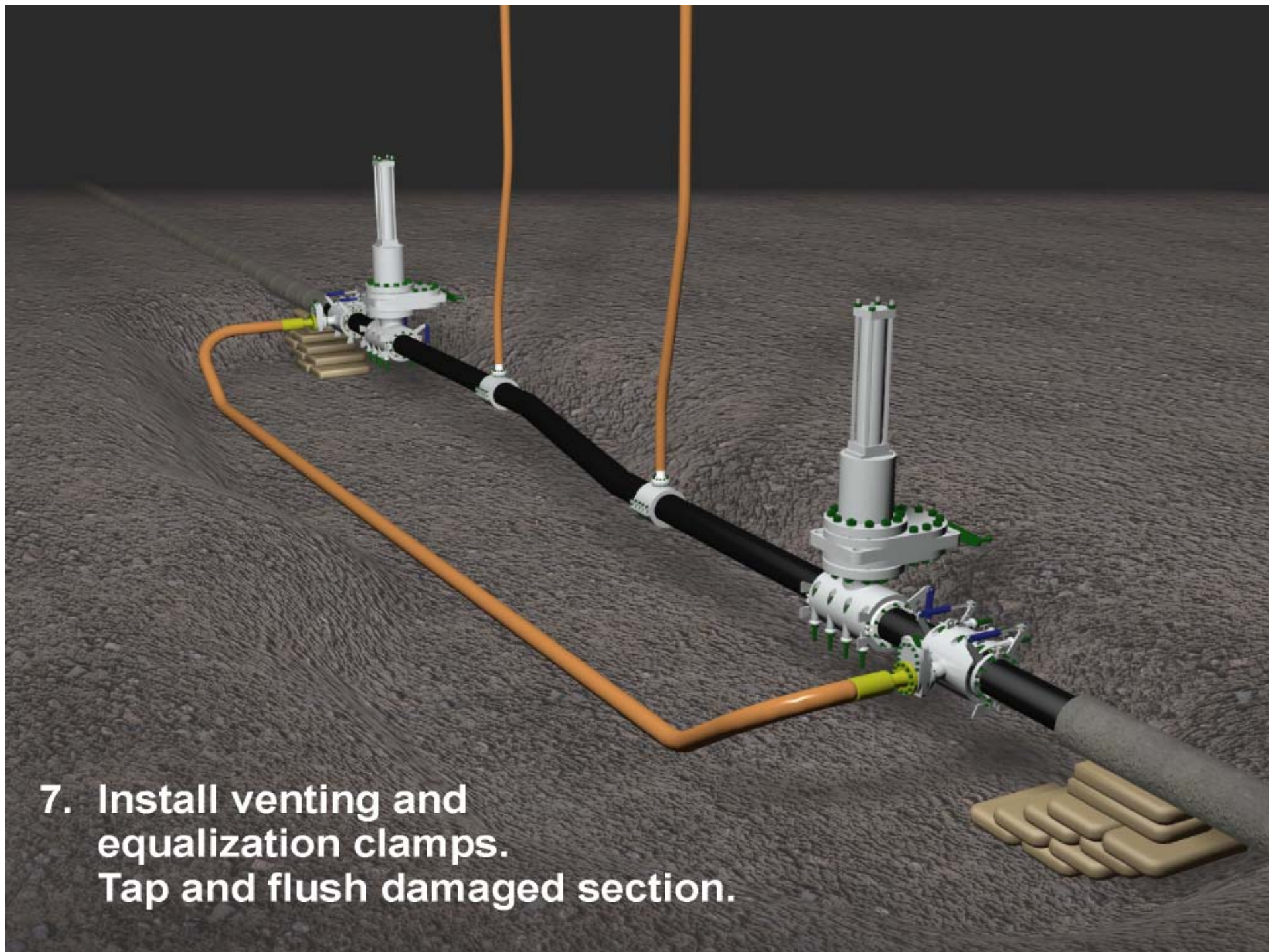
**4. Close valves and
remove tapping machines.
Install bypass line and open valves.
(Flow continues in both lines.)**



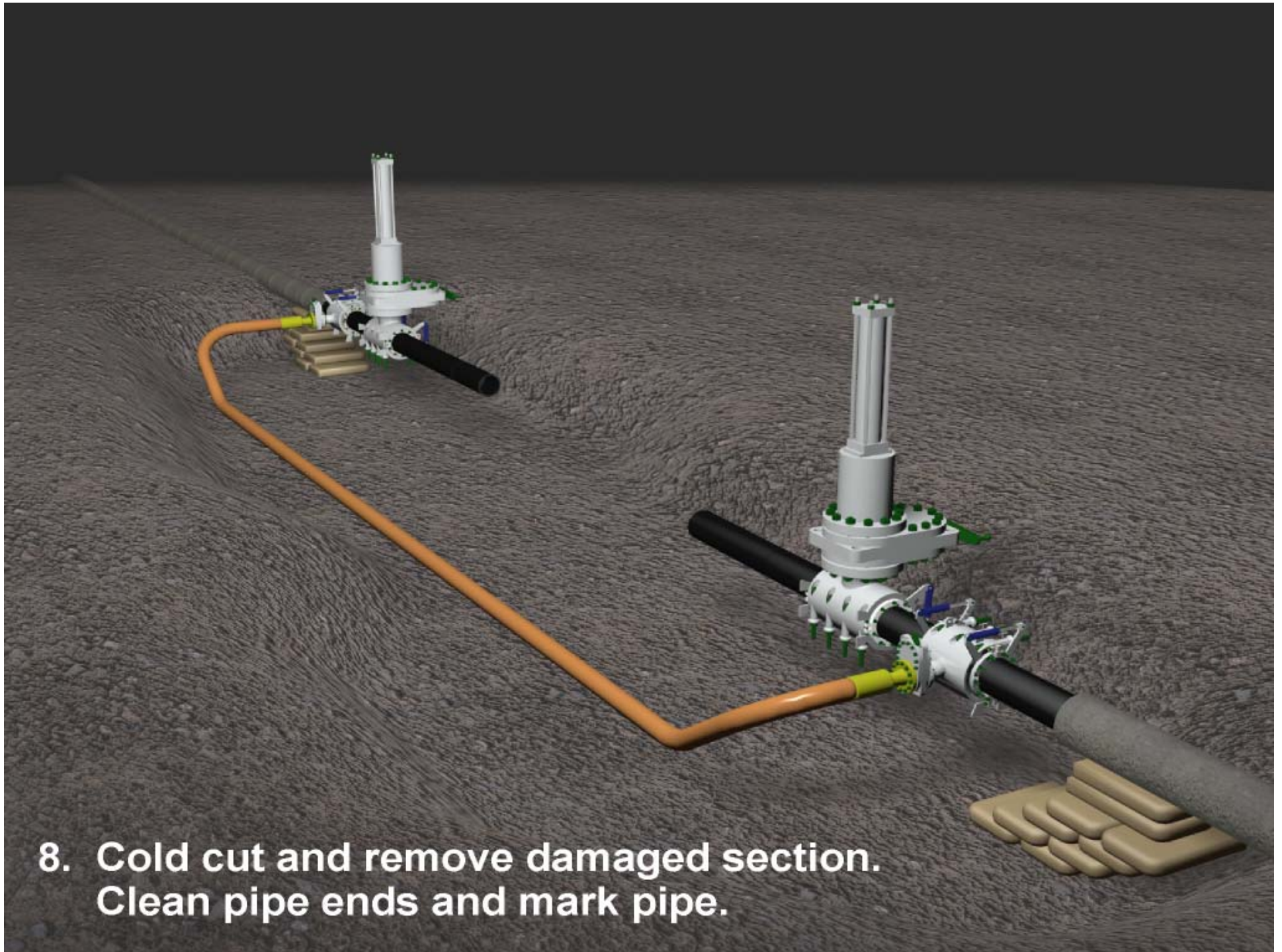
5. Install mechanical hydrotap "line stop fitting", test, and tap line.



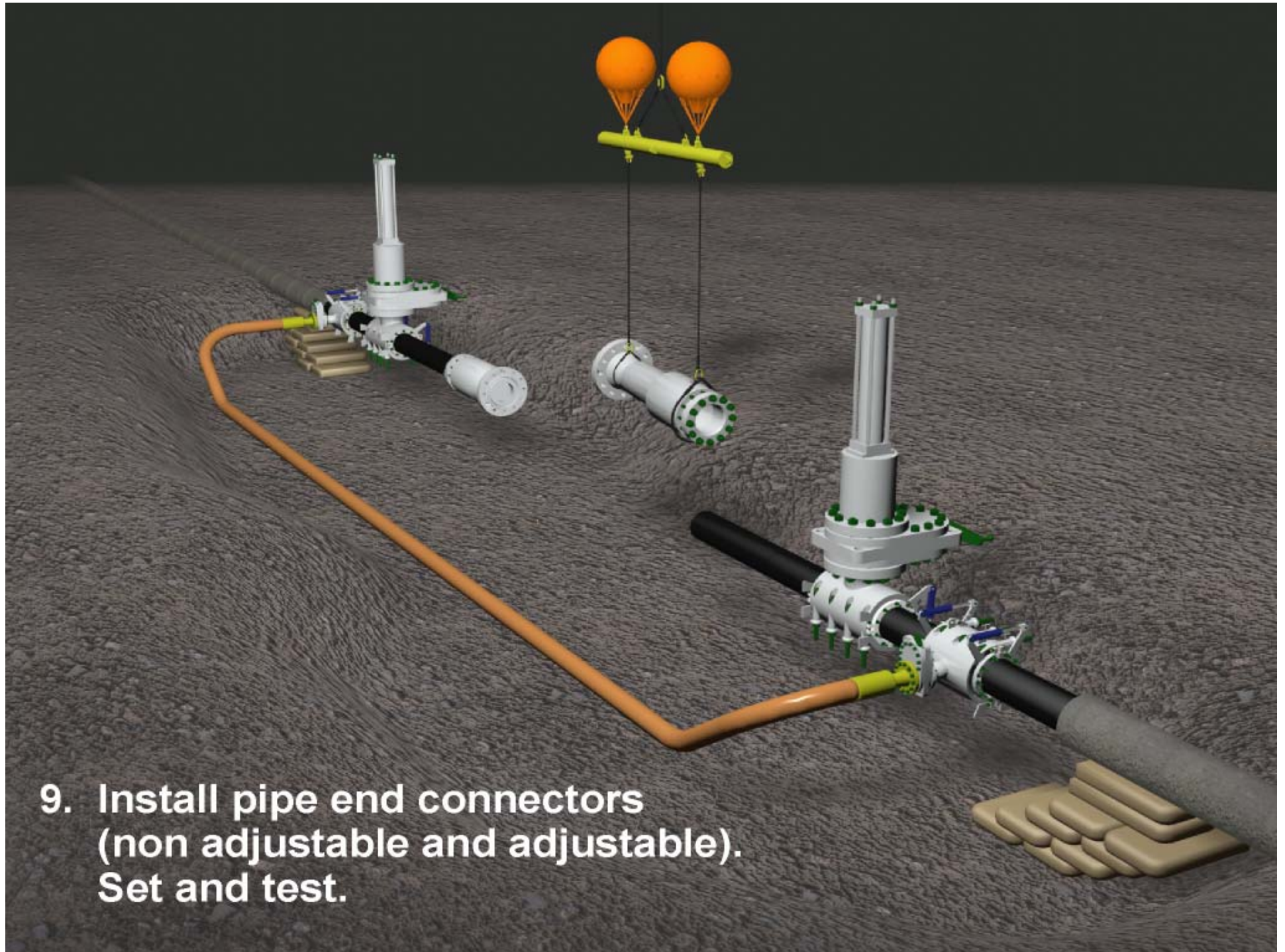
6. Install "line stop plug",
isolating damaged section.



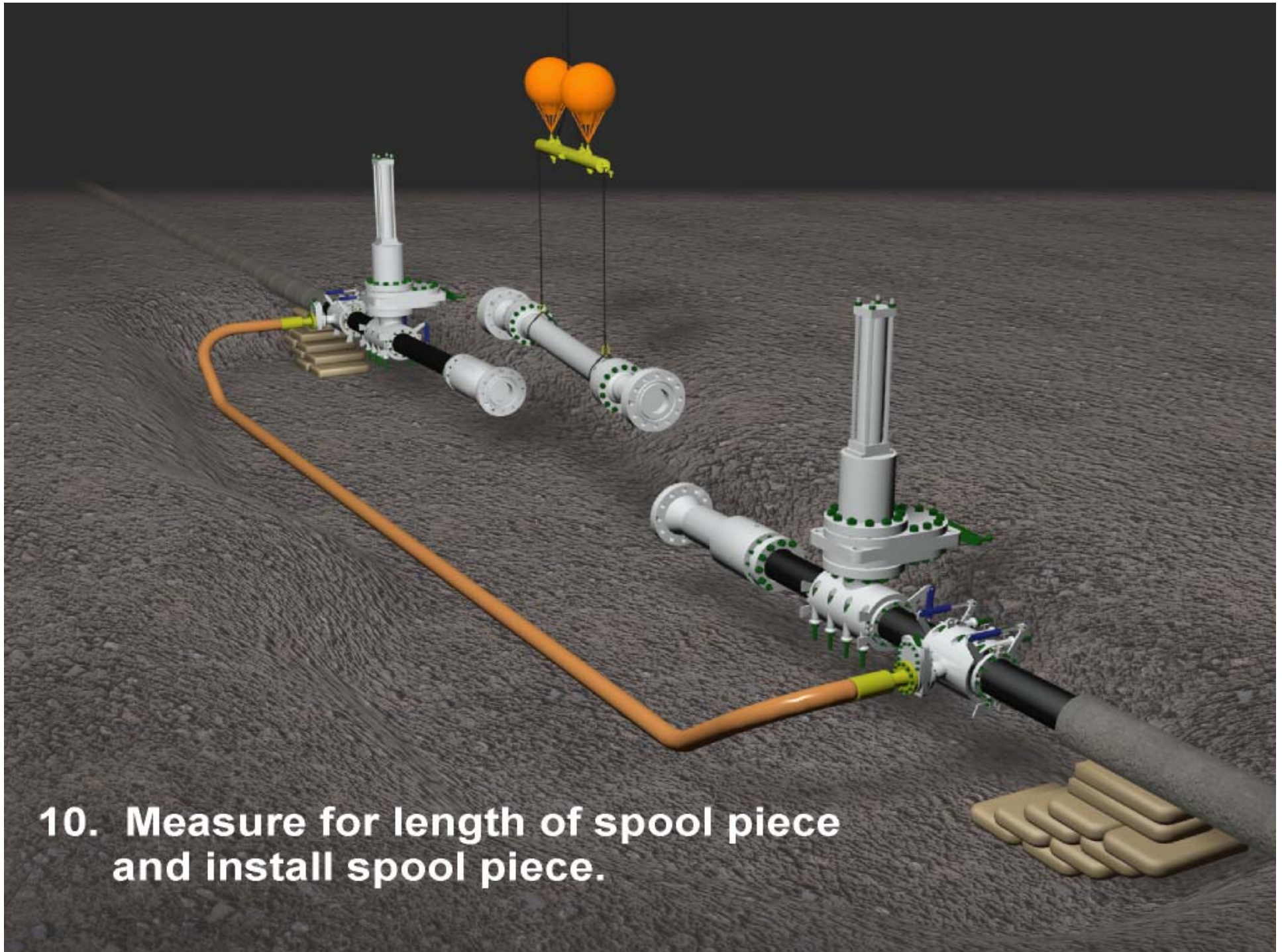
7. Install venting and equalization clamps.
Tap and flush damaged section.



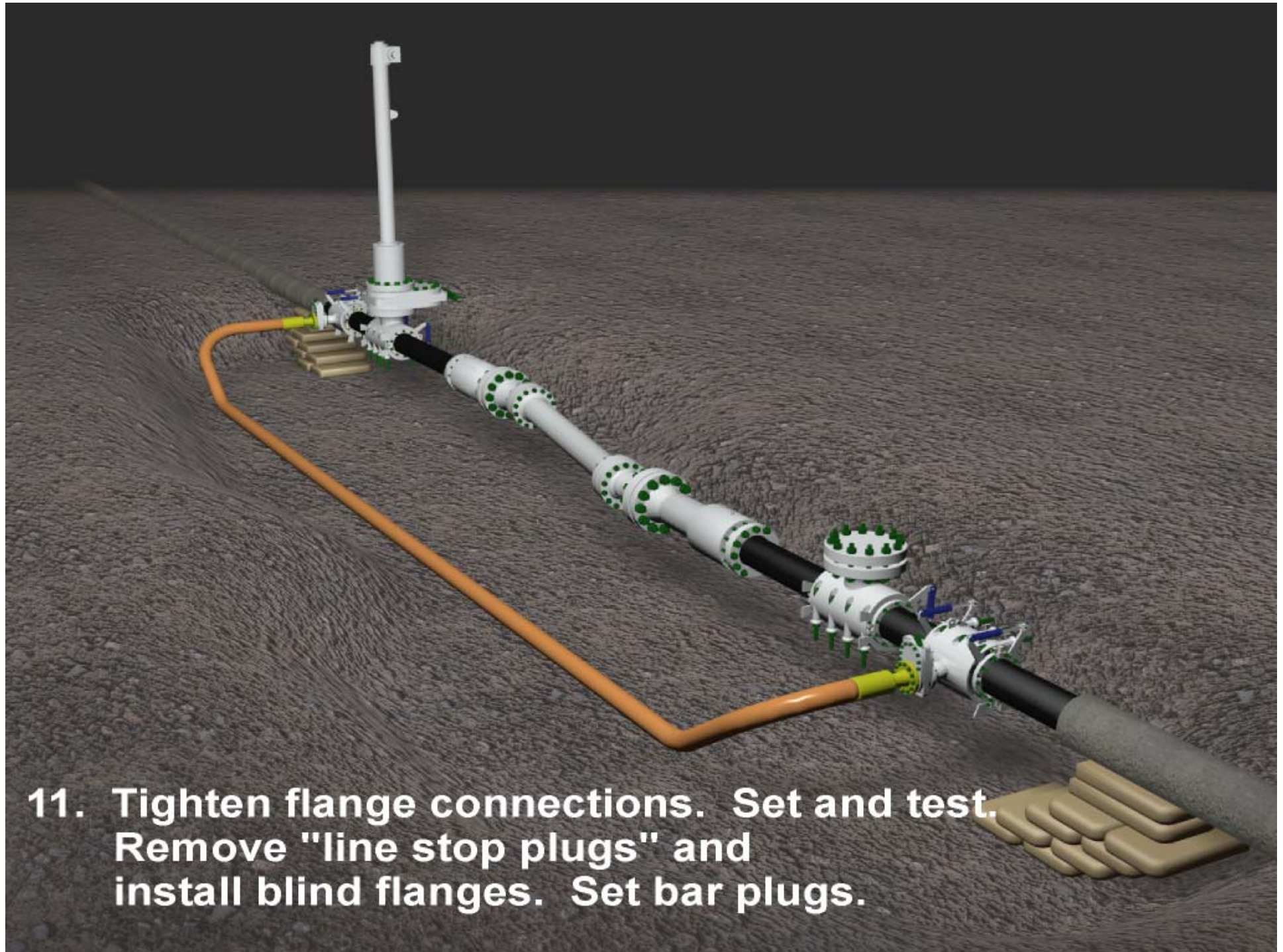
8. Cold cut and remove damaged section.
Clean pipe ends and mark pipe.



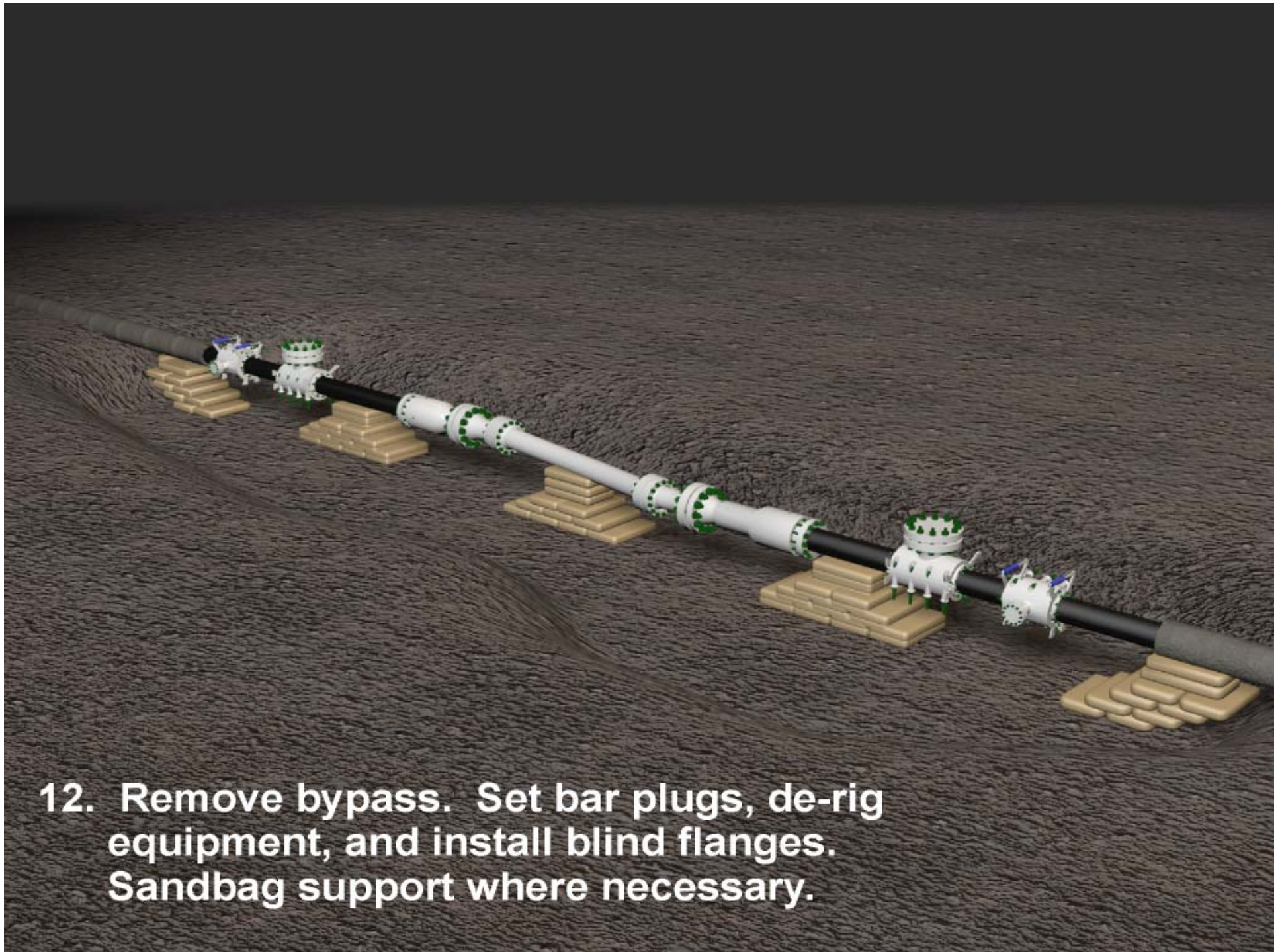
9. Install pipe end connectors
(non adjustable and adjustable).
Set and test.



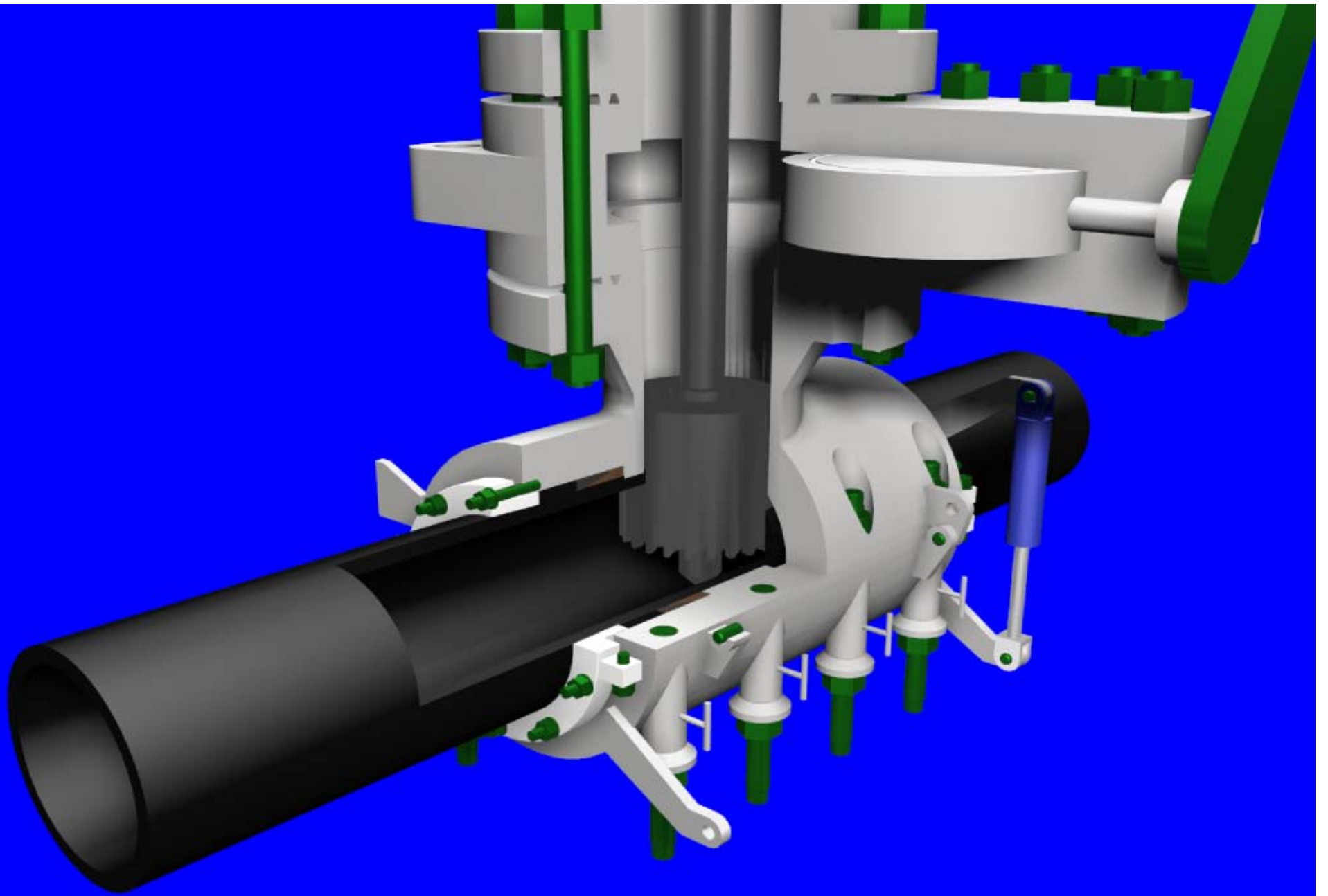
**10. Measure for length of spool piece
and install spool piece.**



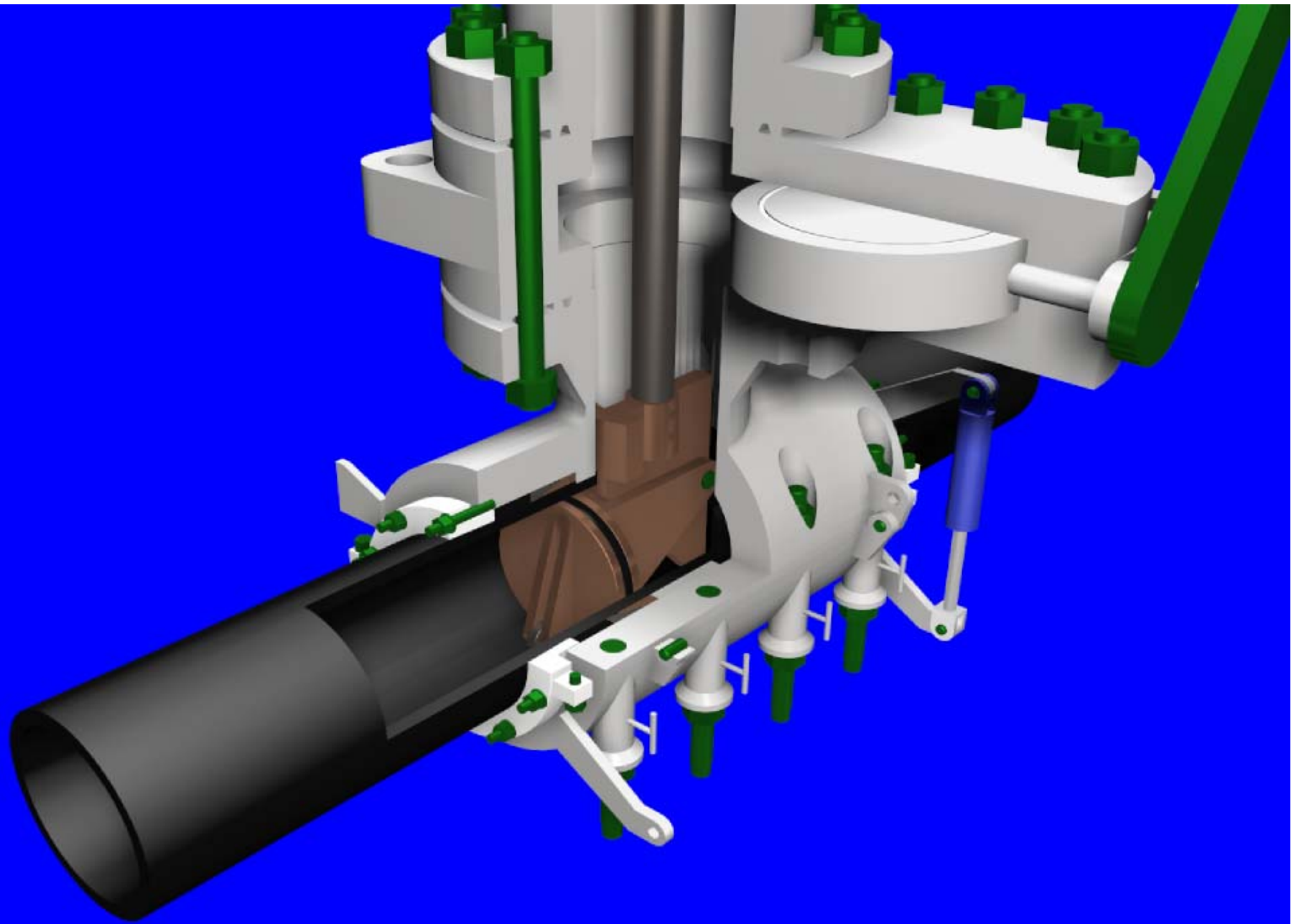
11. Tighten flange connections. Set and test. Remove "line stop plugs" and install blind flanges. Set bar plugs.



12. Remove bypass. Set bar plugs, de-rig equipment, and install blind flanges. Sandbag support where necessary.



Tap Machine Cutting-head



Stopple Assembly