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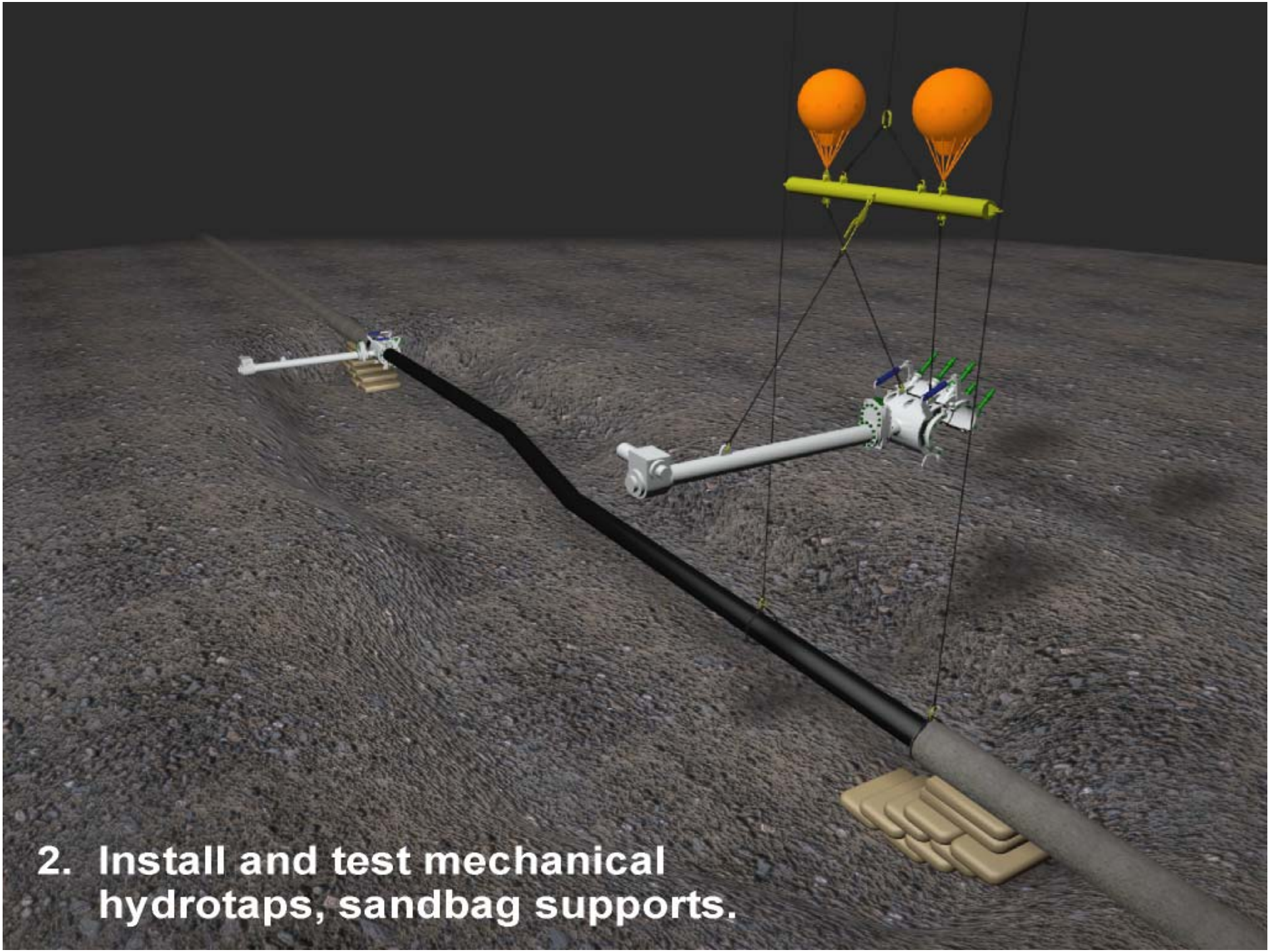
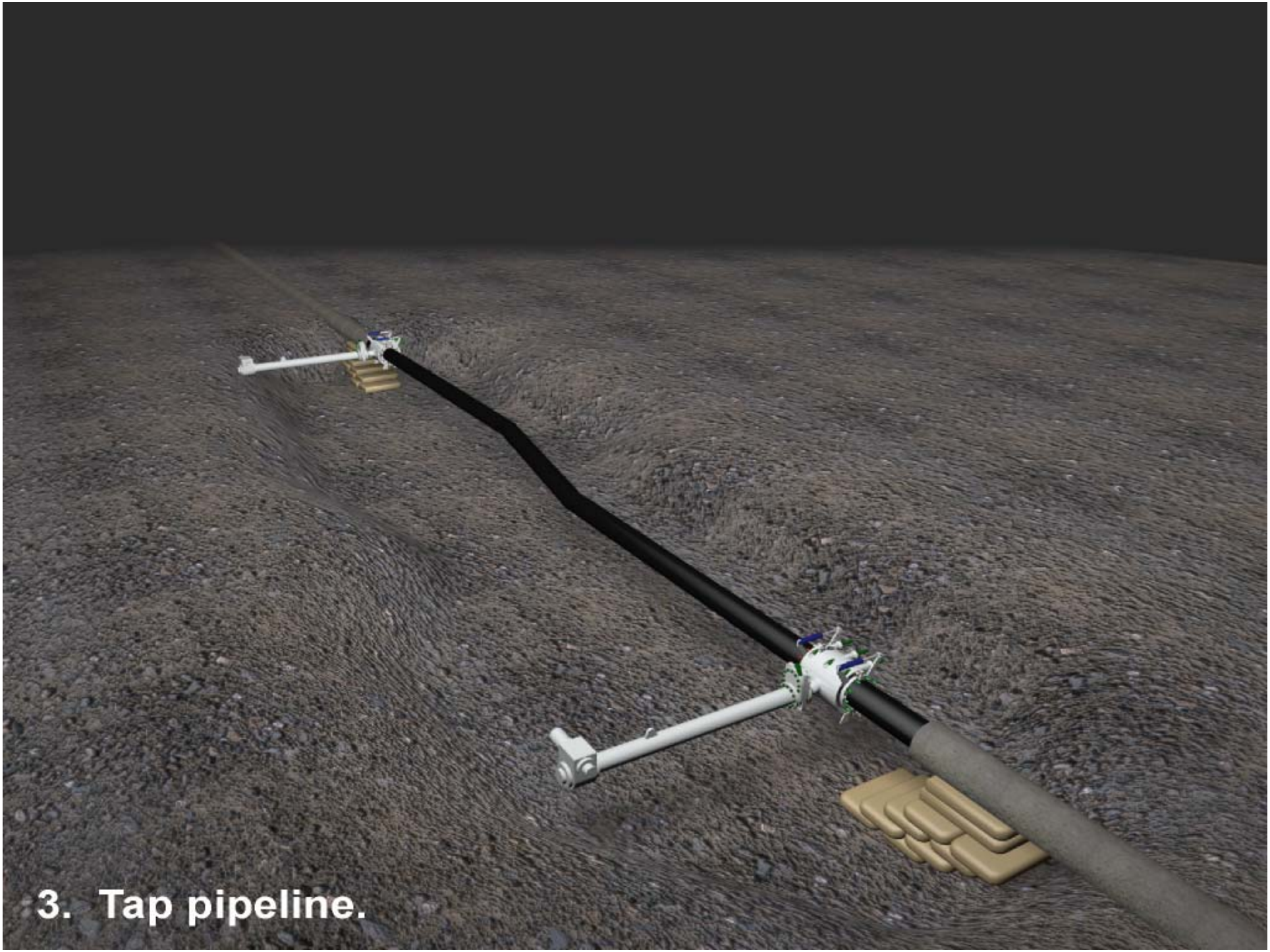
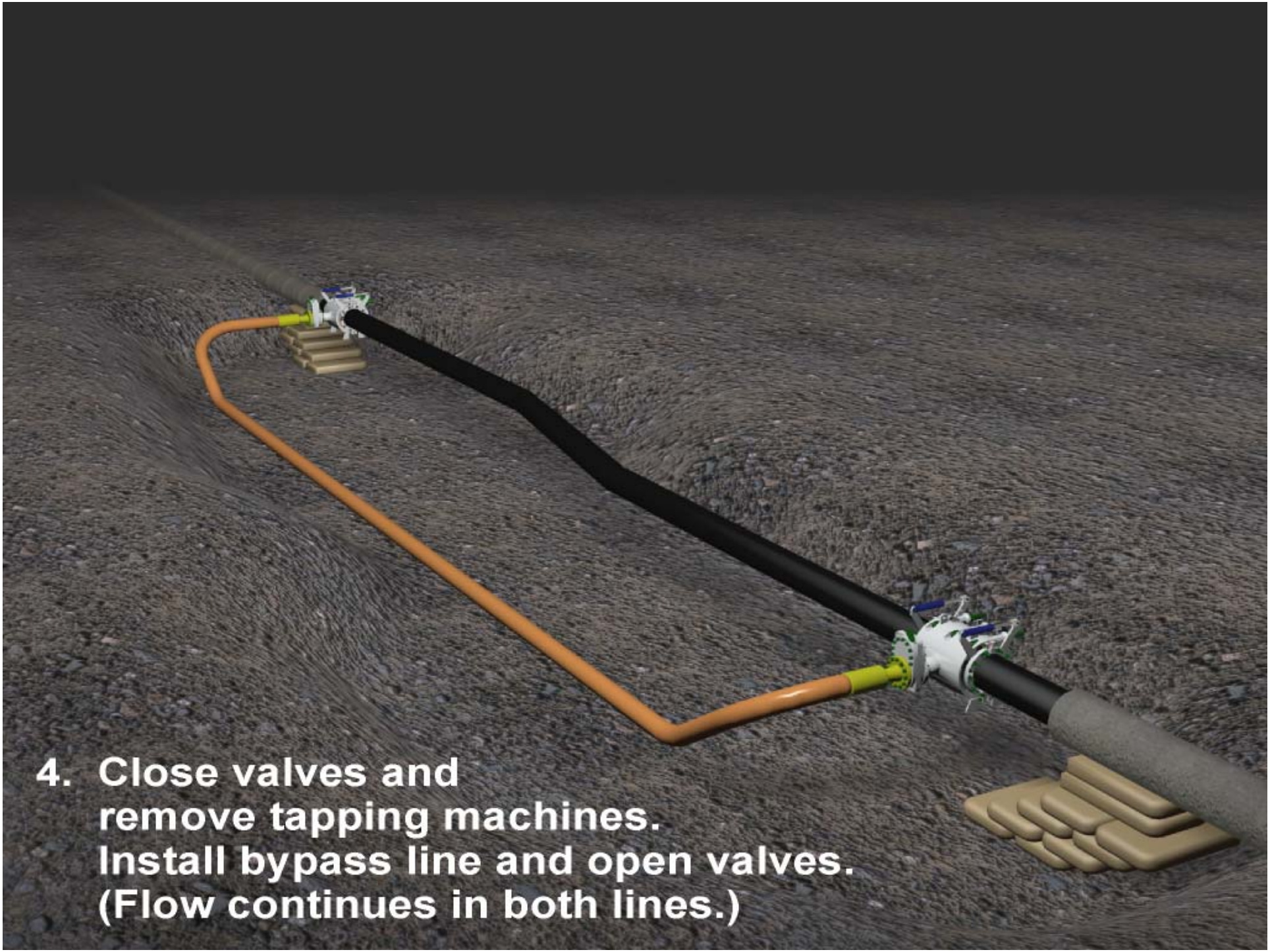
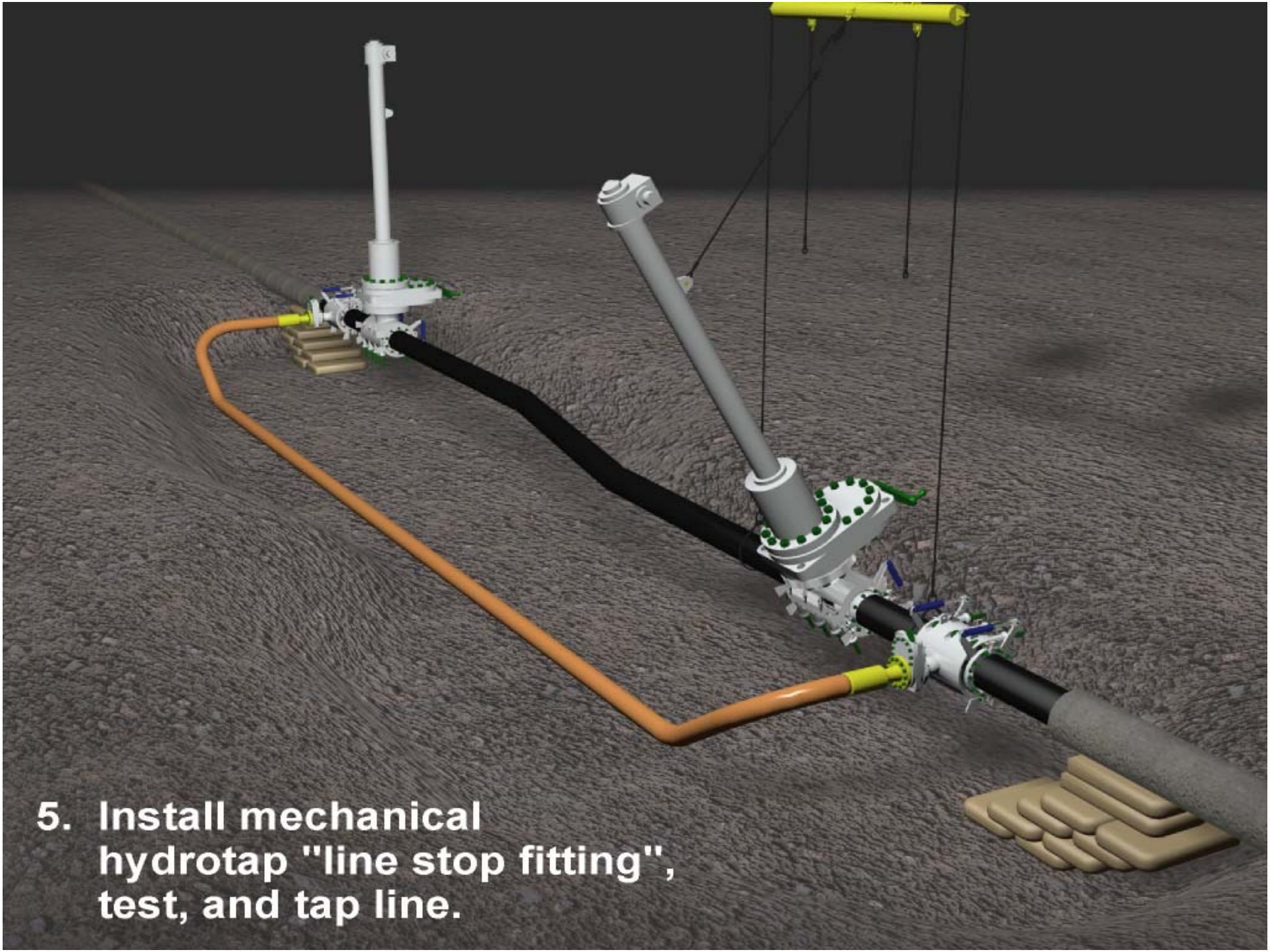
12- inch Gas Subsea Pipeline Repair

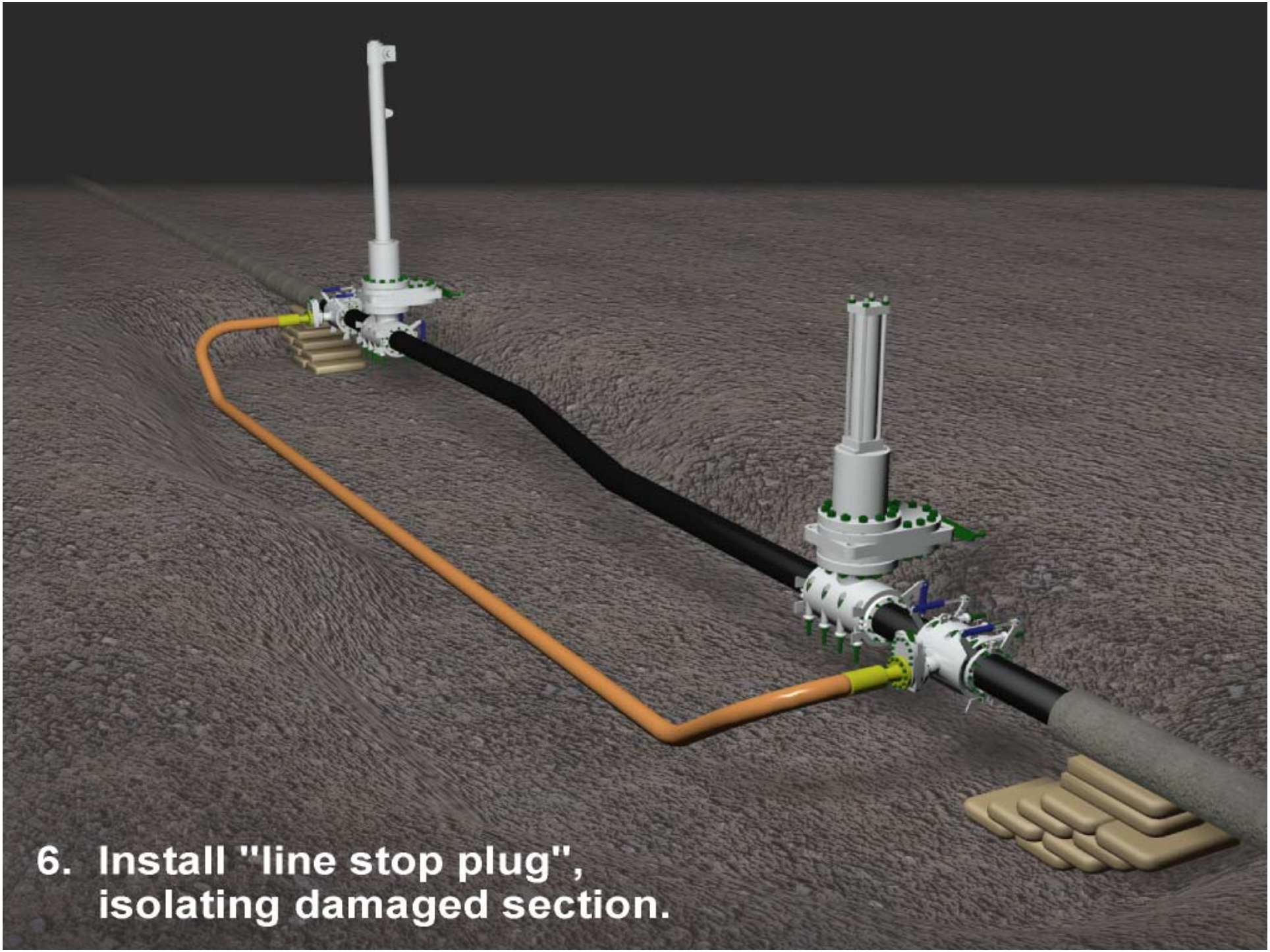

1. Take pipeline measurements.
Clean obstructions from seabed.
Remove coating.

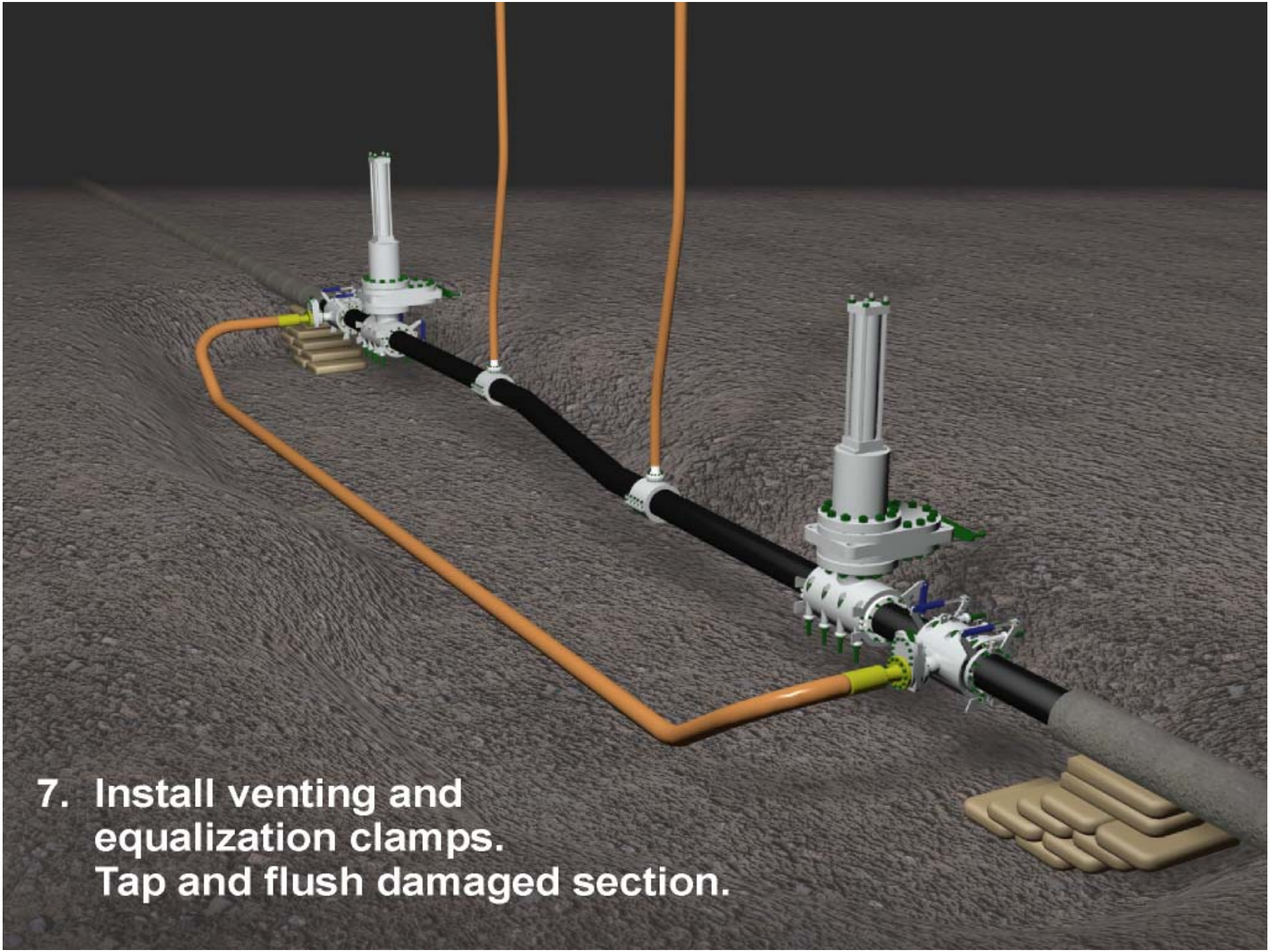

2. Install and test mechanical
hydrotaps, sandbag supports.

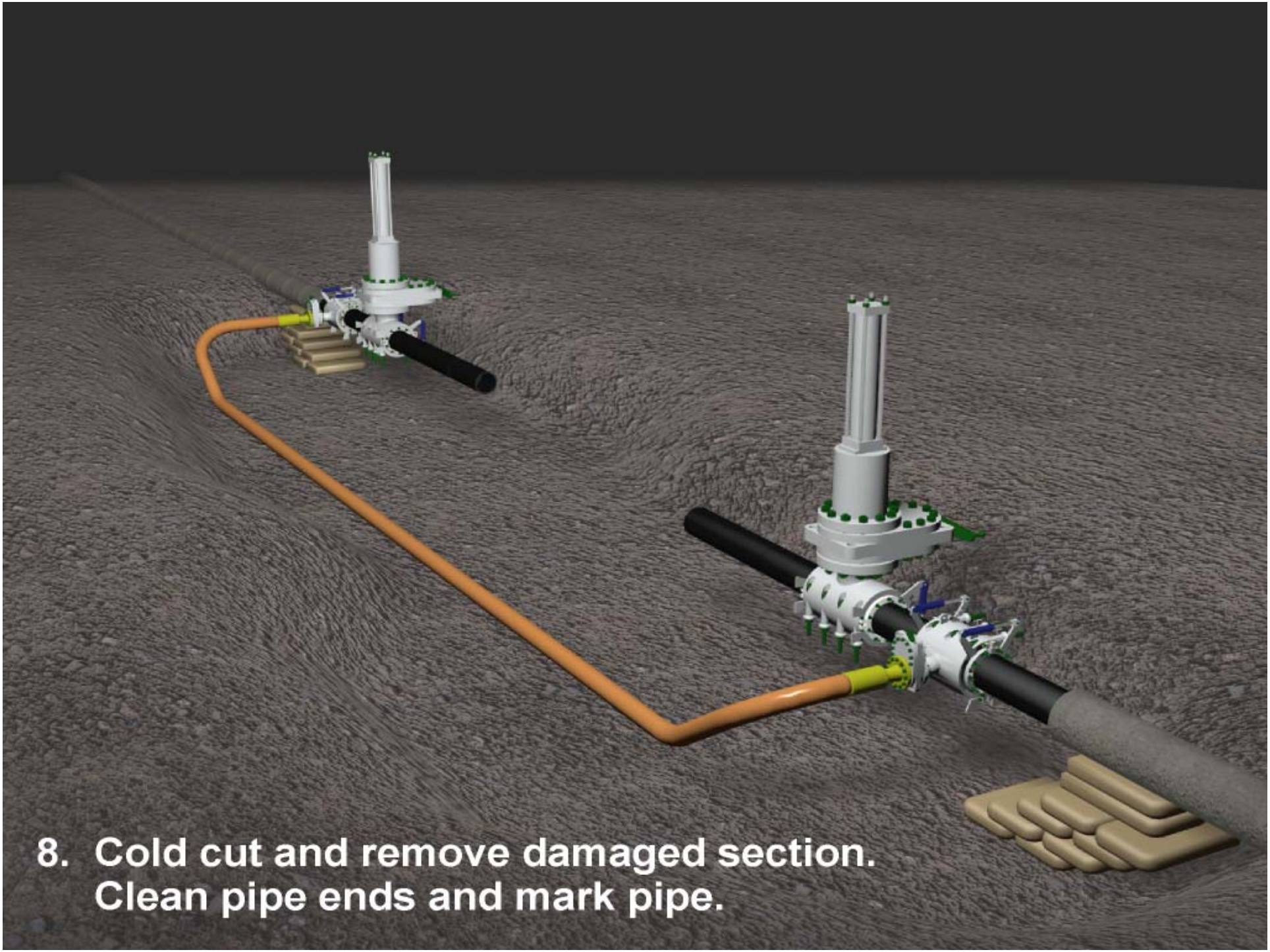

3. Tap pipeline.

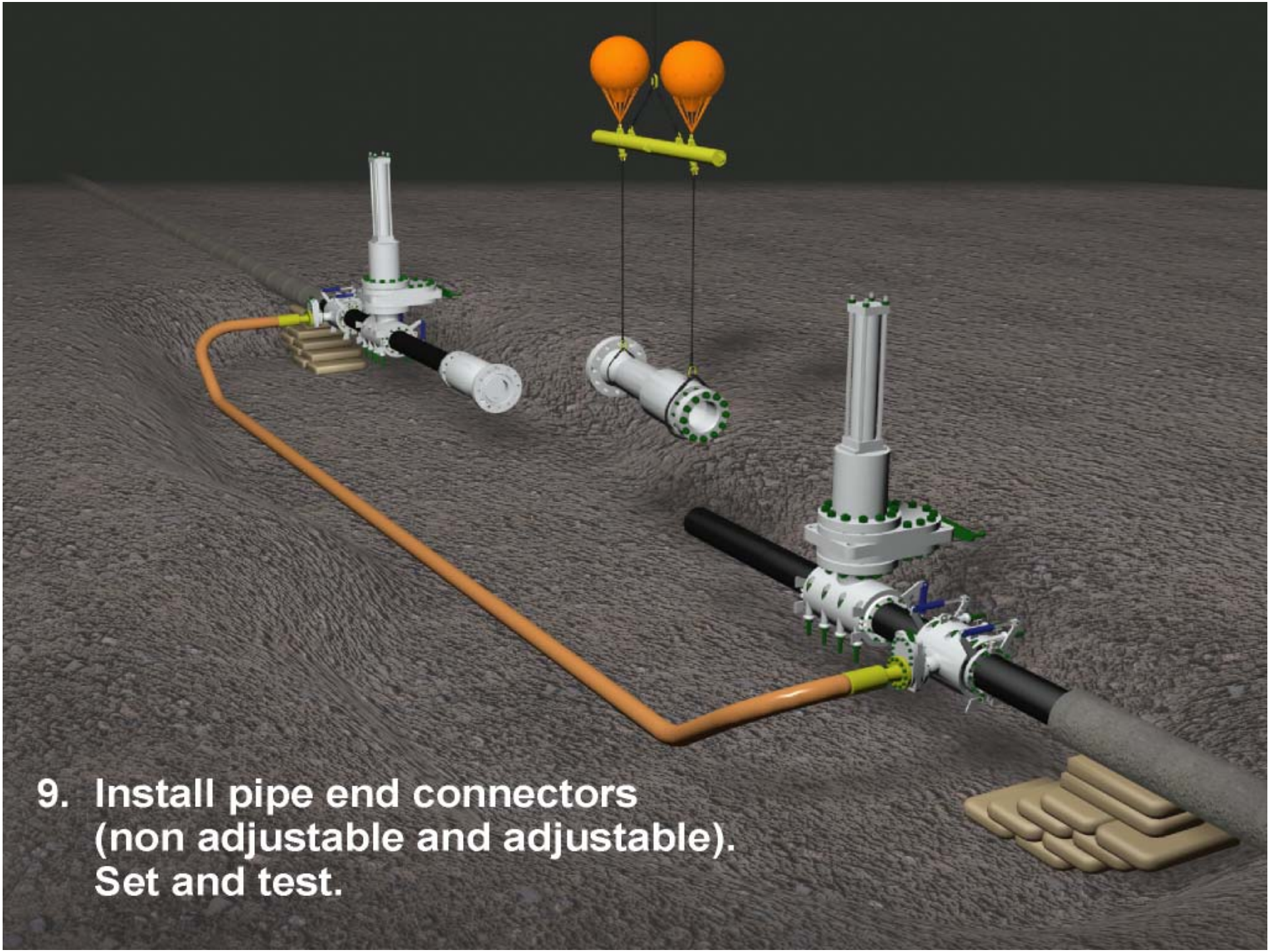

4. Close valves and
remove tapping machines.
Install bypass line and open valves.
(Flow continues in both lines.)

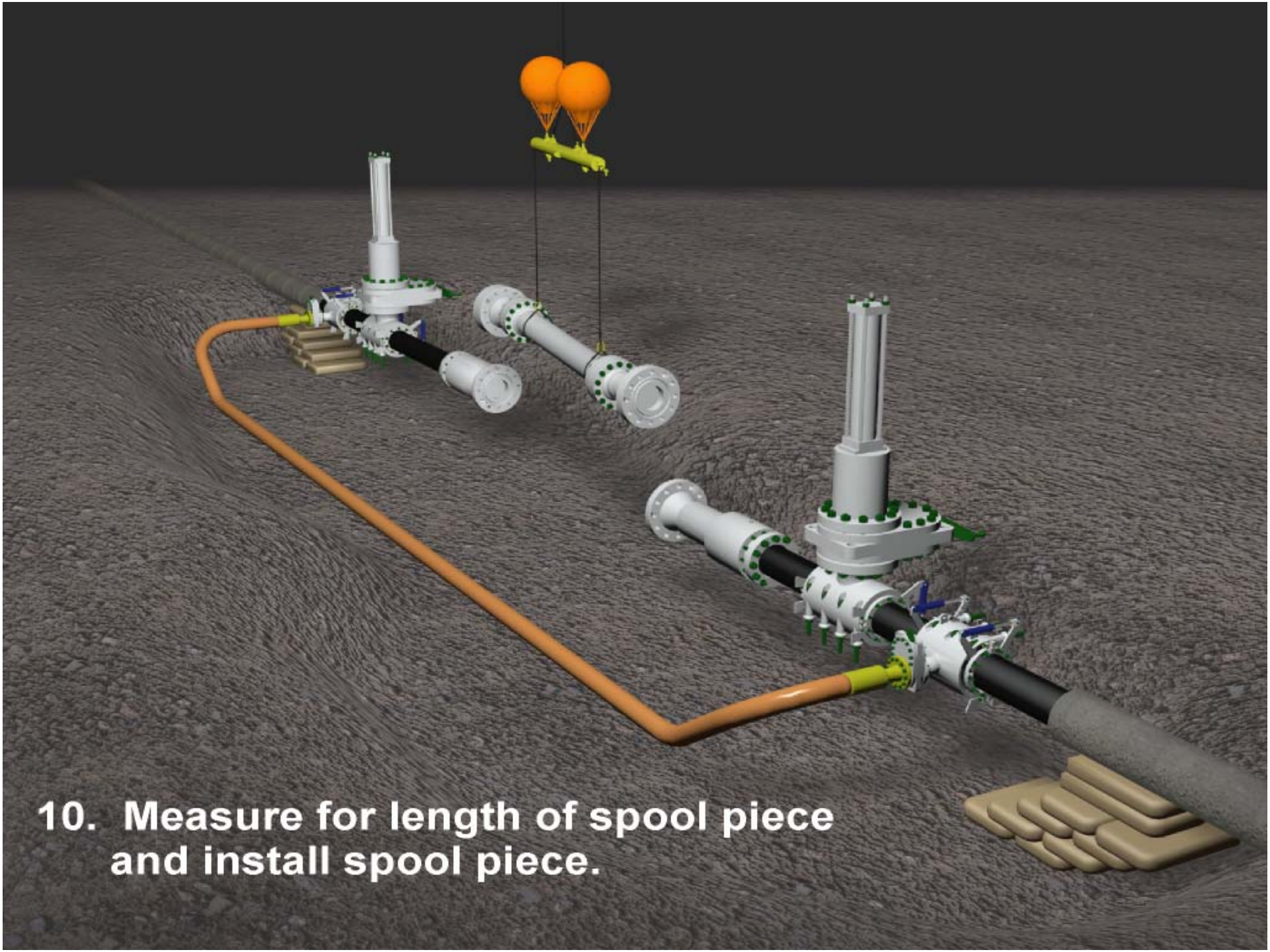

5. Install mechanical
hydrotap "line stop fitting",
test, and tap line.

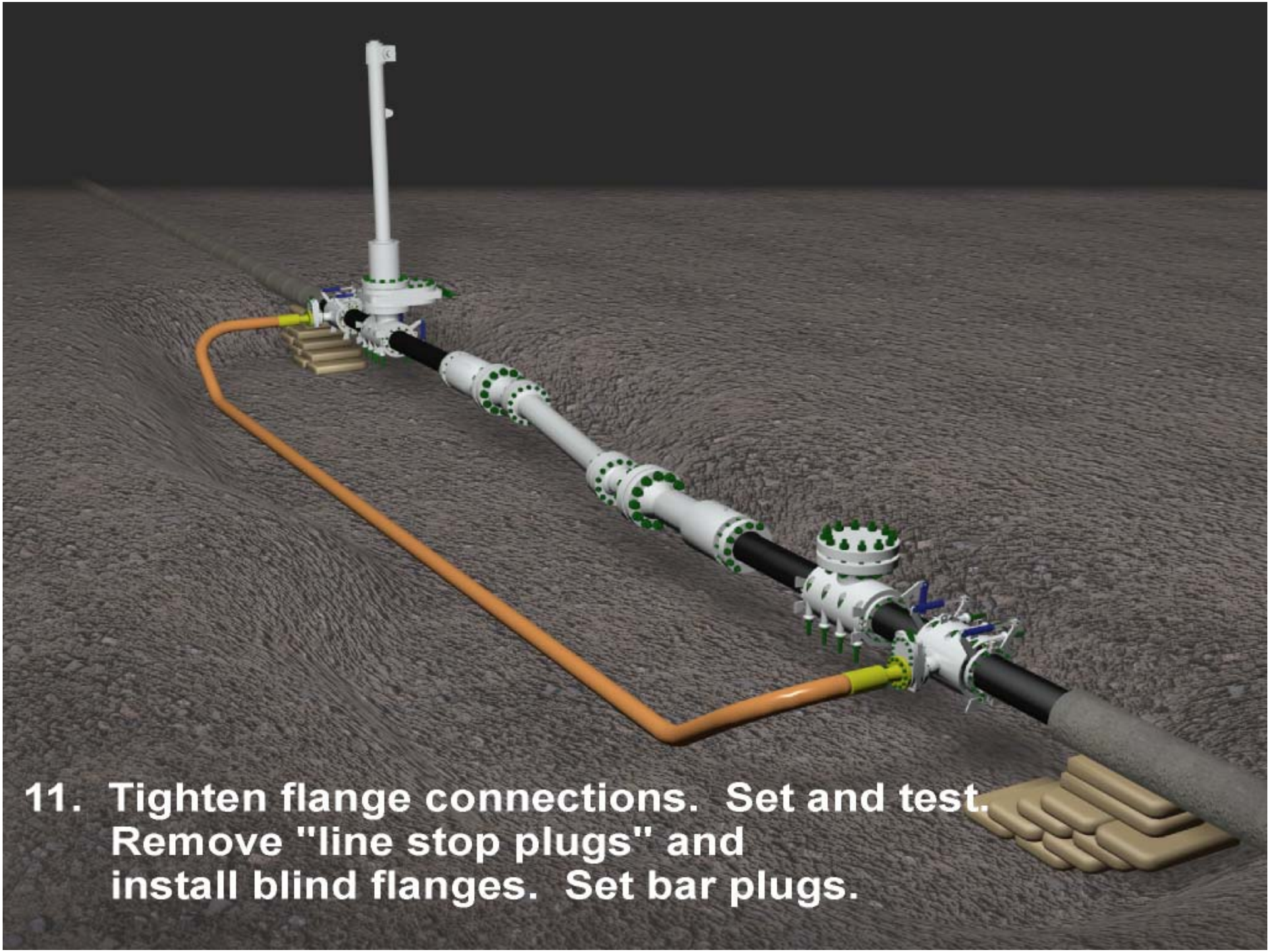

6. Install "line stop plug",
isolating damaged section.

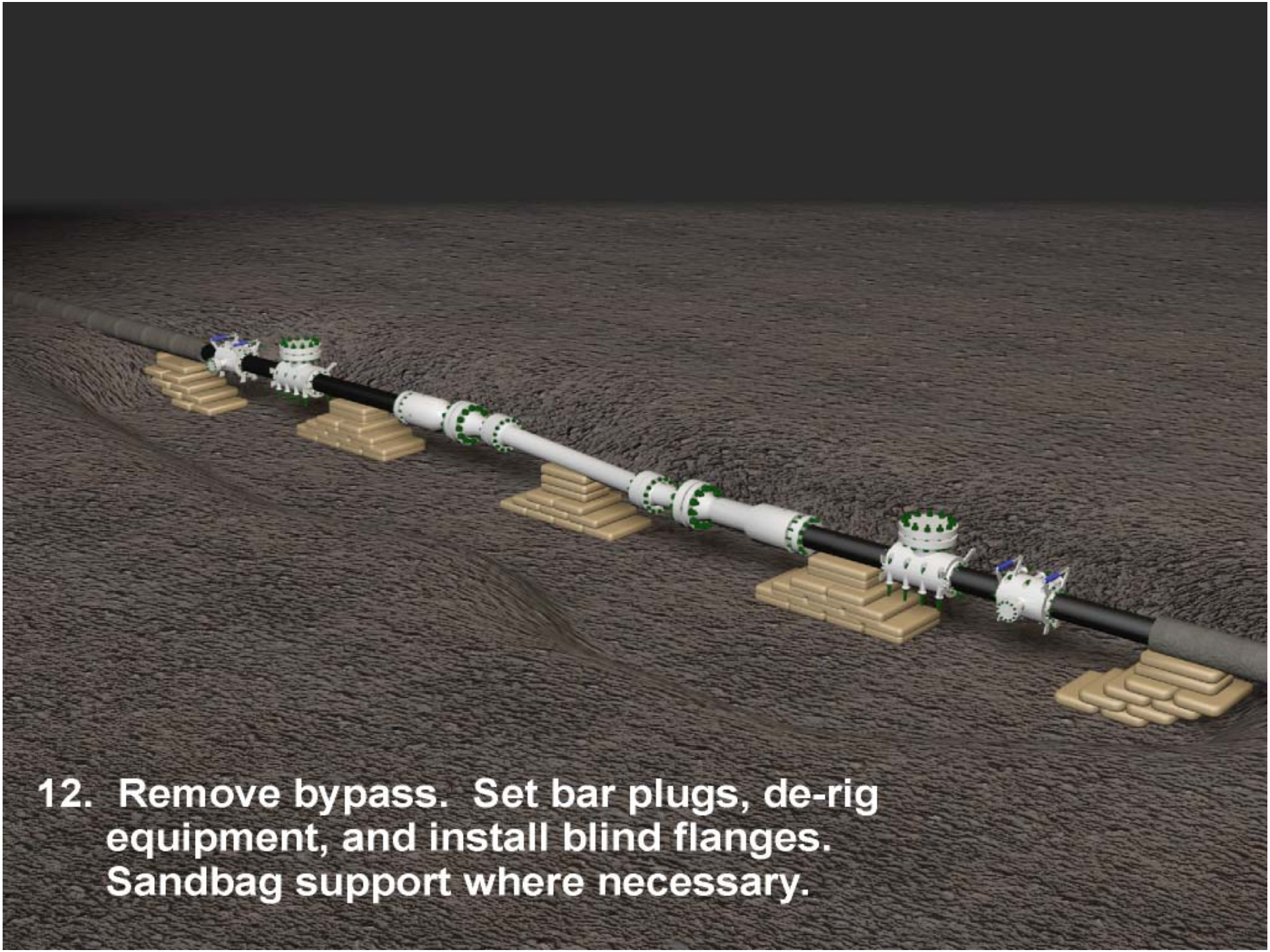

7. Install venting and
equalization clamps.
Tap and flush damaged section.

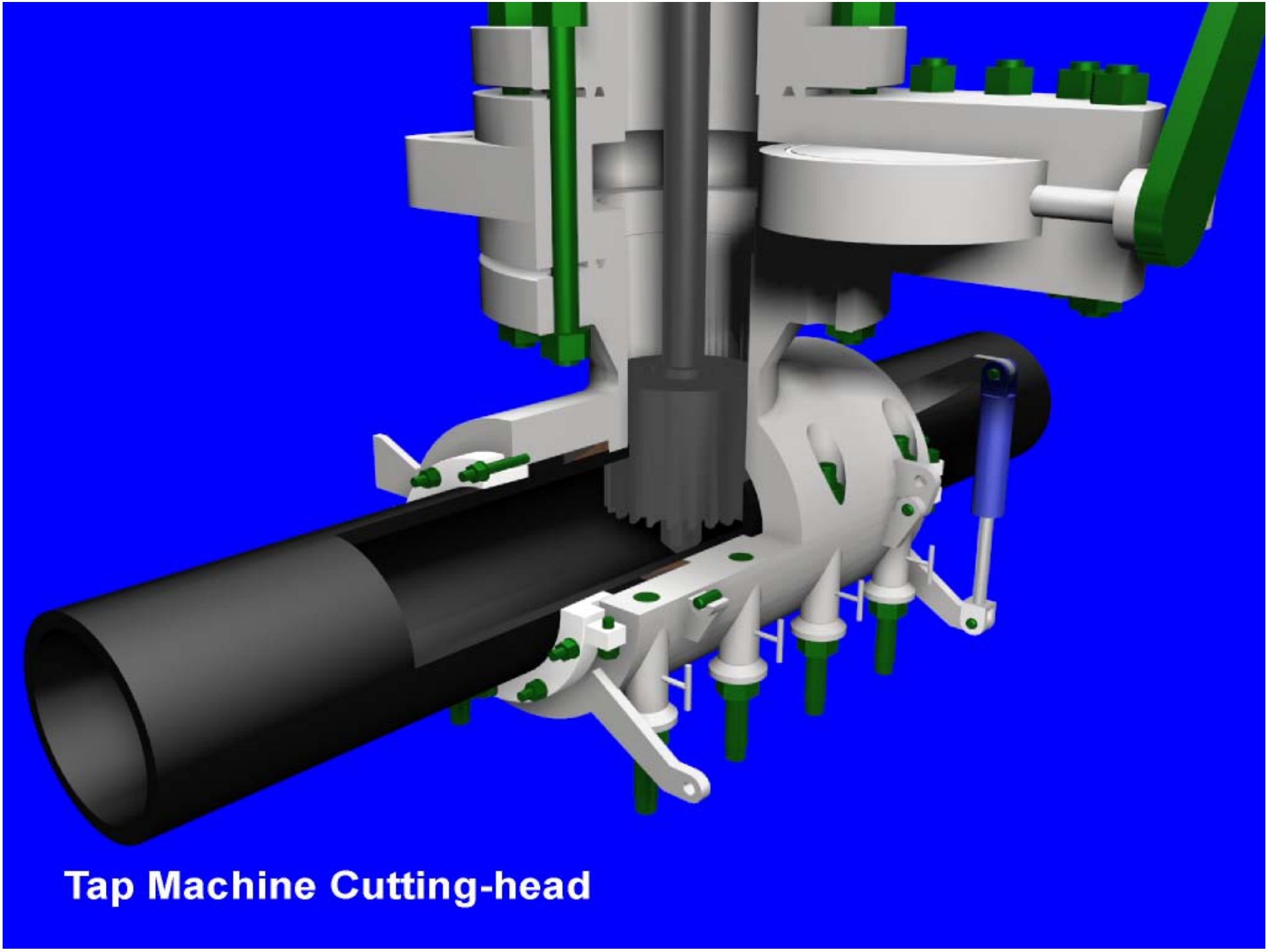

8. Cold cut and remove damaged section.
Clean pipe ends and mark pipe.

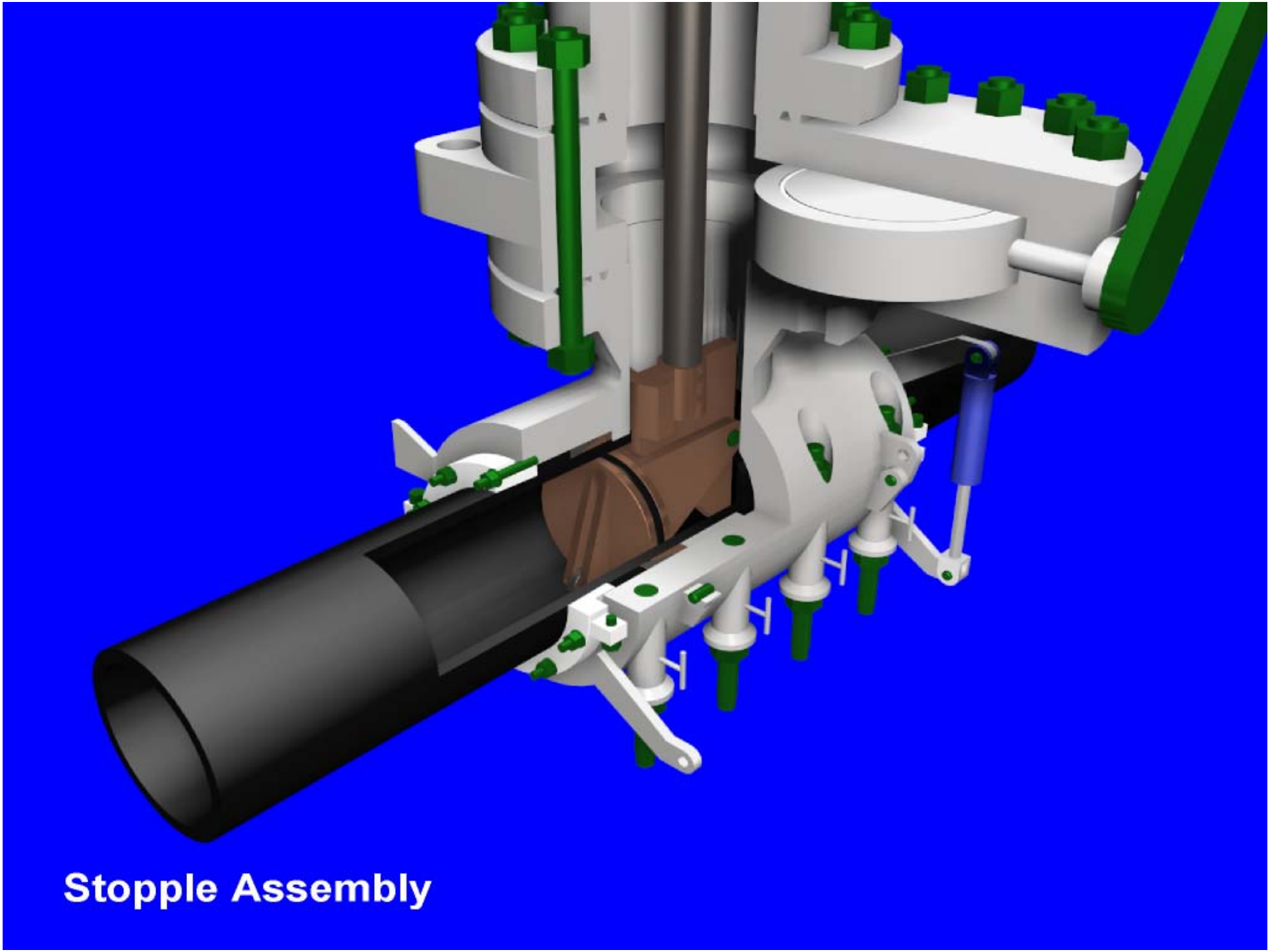

9. Install pipe end connectors
(non adjustable and adjustable).
Set and test.


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