



2025  
Worst  
year  
ever

Or was it?

May 2025 Overhead design forum



# Donk 2025 Progress Time line



June 2025 flood



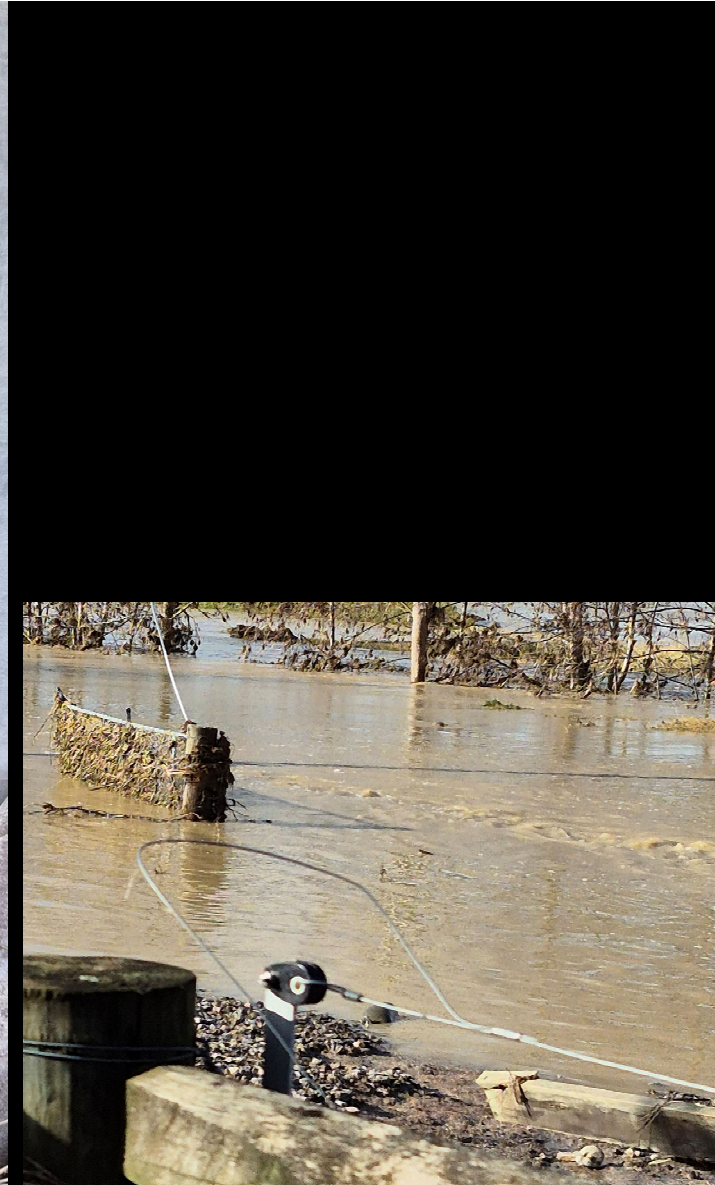
July 2025 flood

# MOTUEKA VALLEY



Donk pole Mold  
located here





**Foundation failures during flood**

Two types of excavation method was tested  
Auger and bucket excavated



The test procedure goes as follows...  
pull hold record  
Release load record  
Increase load by  
0.5kn....rinse and repeat



If the soil moisture  
changed the  
control method  
was retested and  
any new test within  
24hrs of that test



Please don't rain I don't want to  
dig another test control

Standard control test of a 12.5m pole with 600mm breast block in moist sandy cohesive volcanic soil will on average require....

**1.6kN** to permanently lean

**5.24kN** to overturn

So what did my best performing foundation on average get?

**3.0kN** to permanently lean  
**13.8kn** to overturn



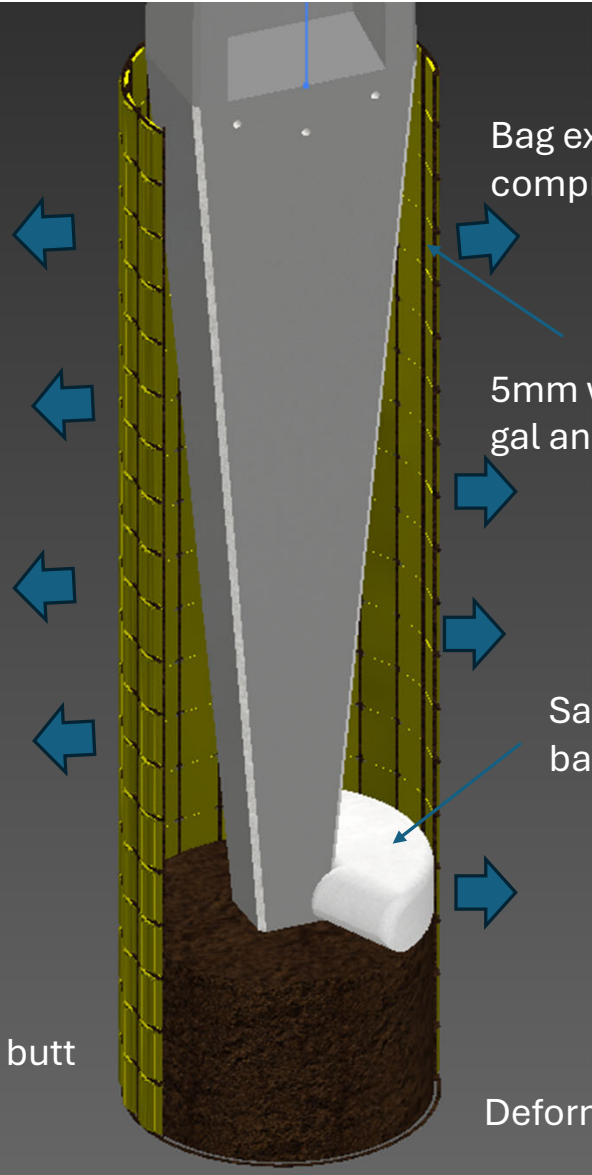
Nobody does foundations better than Jed

# But how?

- 1. Hoop stress
- 2. A little more depth
- 3. More grip
- 3. And a shit load of holes



600mm below pole butt



Bag expands when filled and compresses outer soil

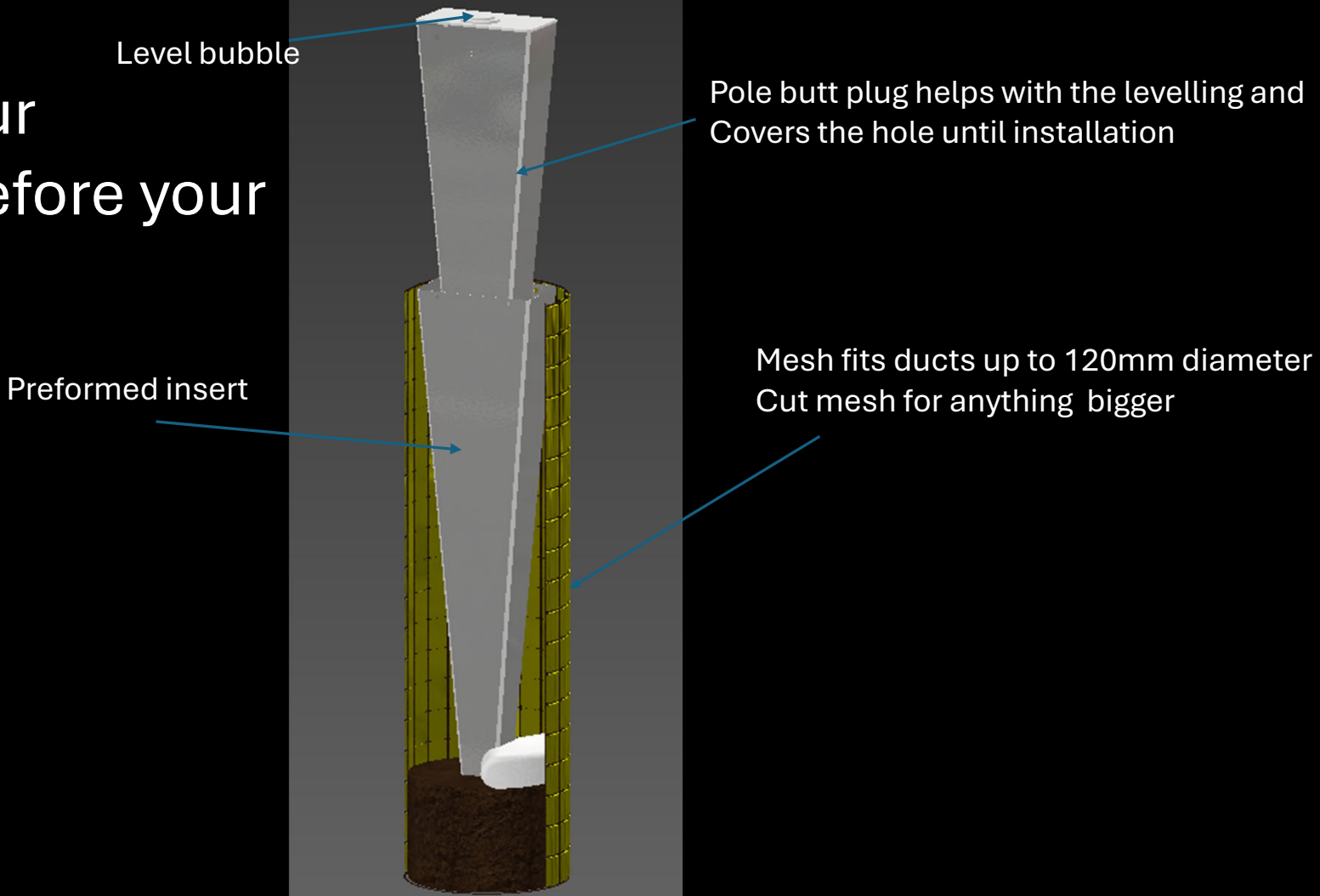
5mm welded mesh hot dipped gal and hot dipped TPU

Sand bag

Deformed fabric and mesh create extra grip



# Pre install your foundation before your shut down



I filed for my first ever patent  
That makes me a big boy inventor now

