

UNHCR Emergency Tapstand Design

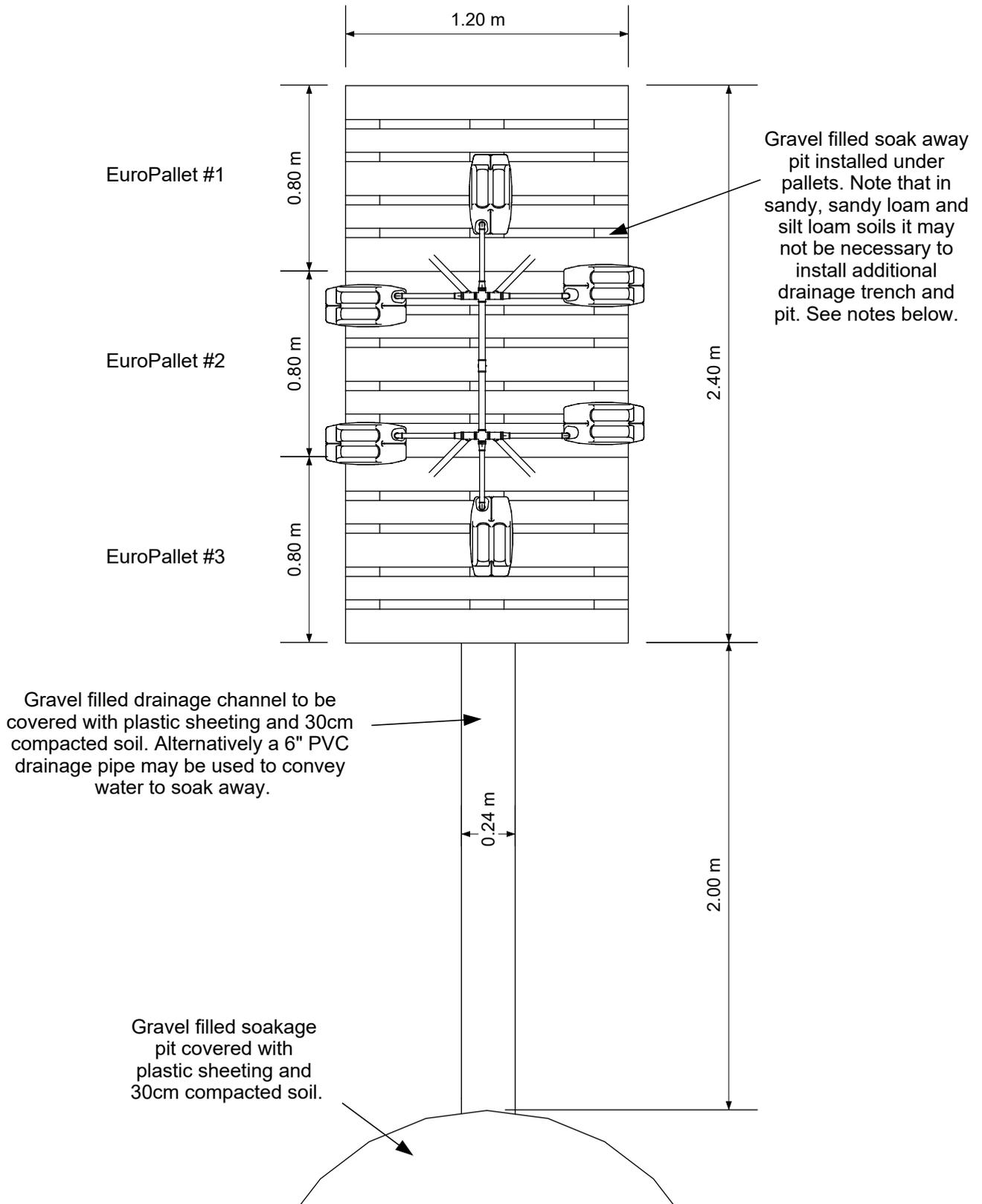
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**Tools and Guidance for
Refugee Settings**



UNHCR
The UN Refugee Agency

General Layout



NOTES

1. Tapstand to be positioned centrally with tap spouts exactly 50cm above wooden pallet surface.
2. Pallet drain and drainage channel to be filled with 20cm deep layer of coarse gravel with 1% slope to soakage pit.
3. Soakage pit dimensions to be determined by on-site soil infiltration test (see Appendix 20 of Engineering in Emergencies. Alternatively refer to the table of typical soil infiltration rates on page 213 of the UNHCR WASH Manual).

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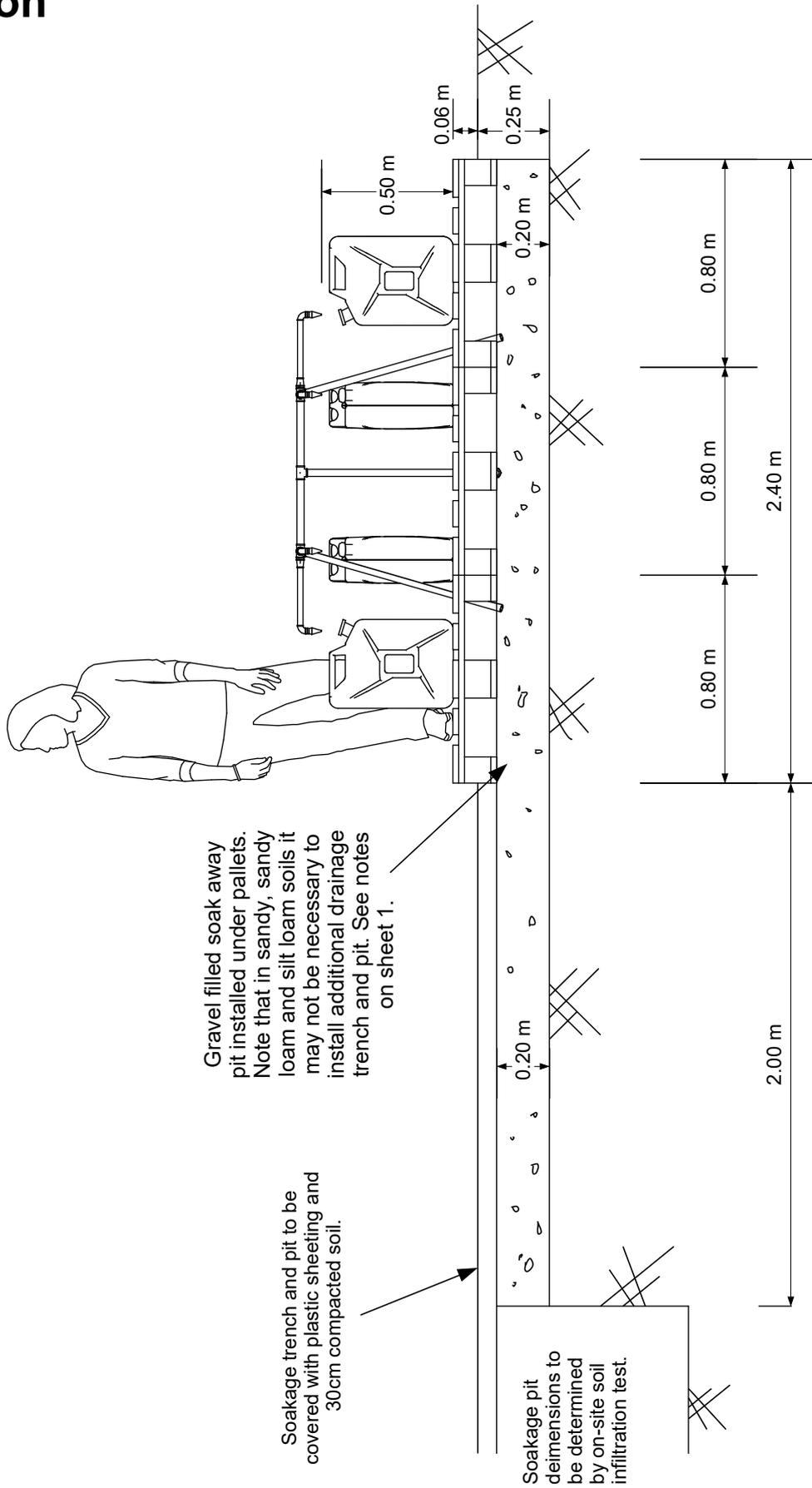
TITLE
Emergency Tapstand
 General Layout
PROJECT
 Project Name, Country

DRAWN BY
 B. Harvey - 11/10/15
APPROVED BY
 M. Burt - 15/11/15
SCALE
 1:30

UNITS
 metres
SHEET
 1 of 2
DATE PUBLISHED
 15/11/15



Section



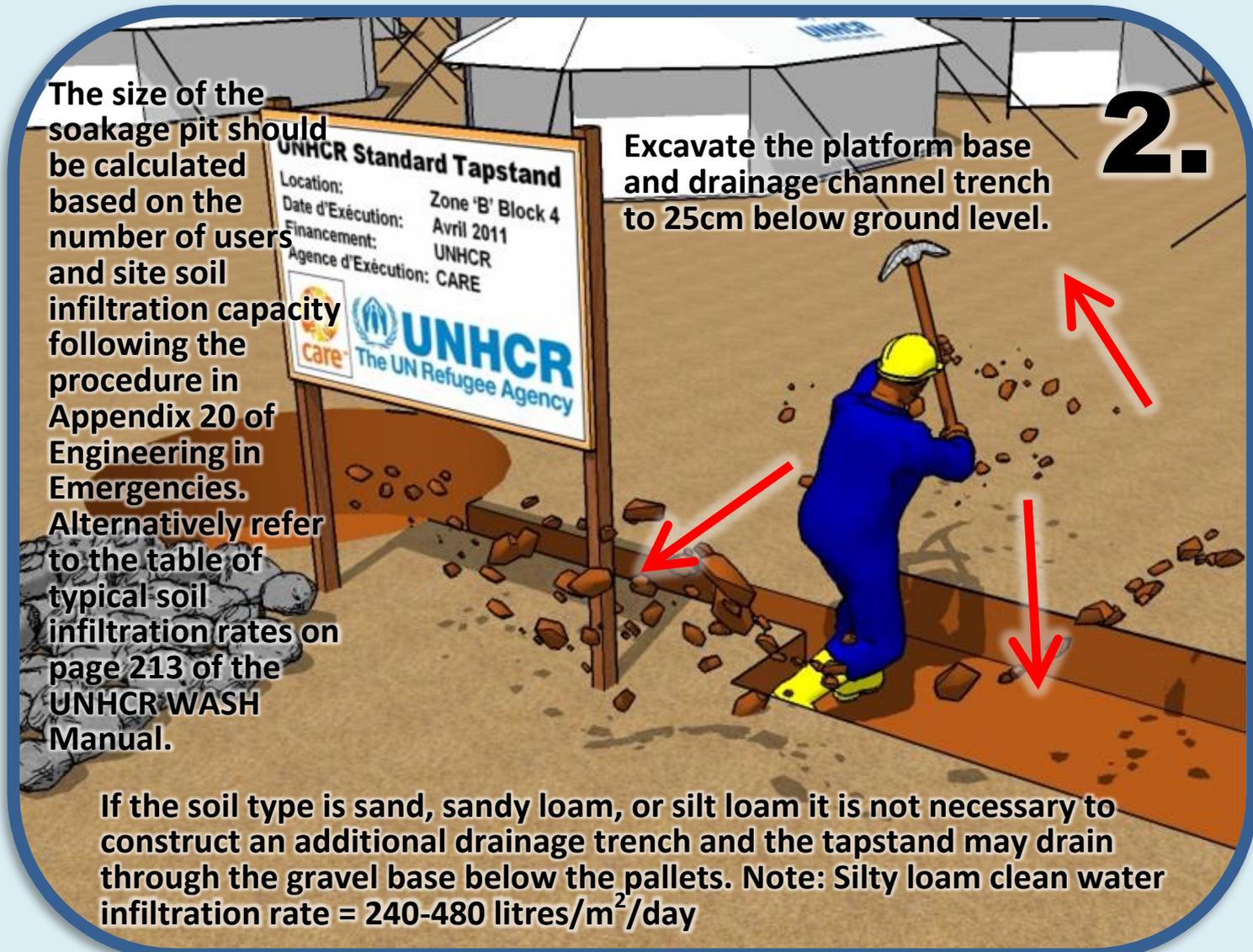
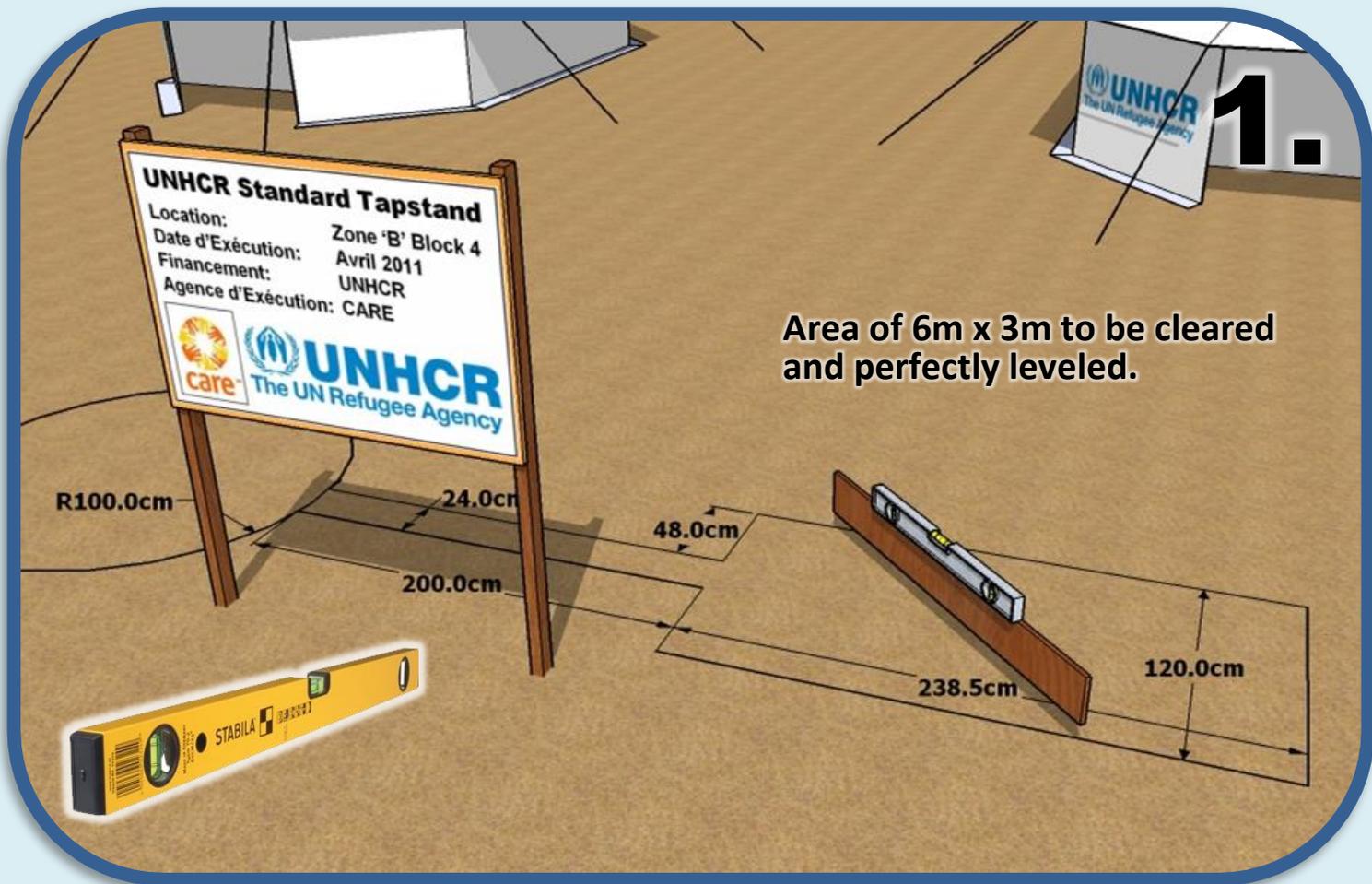
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3.

UNHCR Standard Tapstand

Location: Zone 'B' Block 4
Date d'Exécution: Avril 2011
Financement: UNHCR
Agence d'Exécution: CARE



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Add a 20cm deep layer of coarse gravel into the platform base and drainage channel.

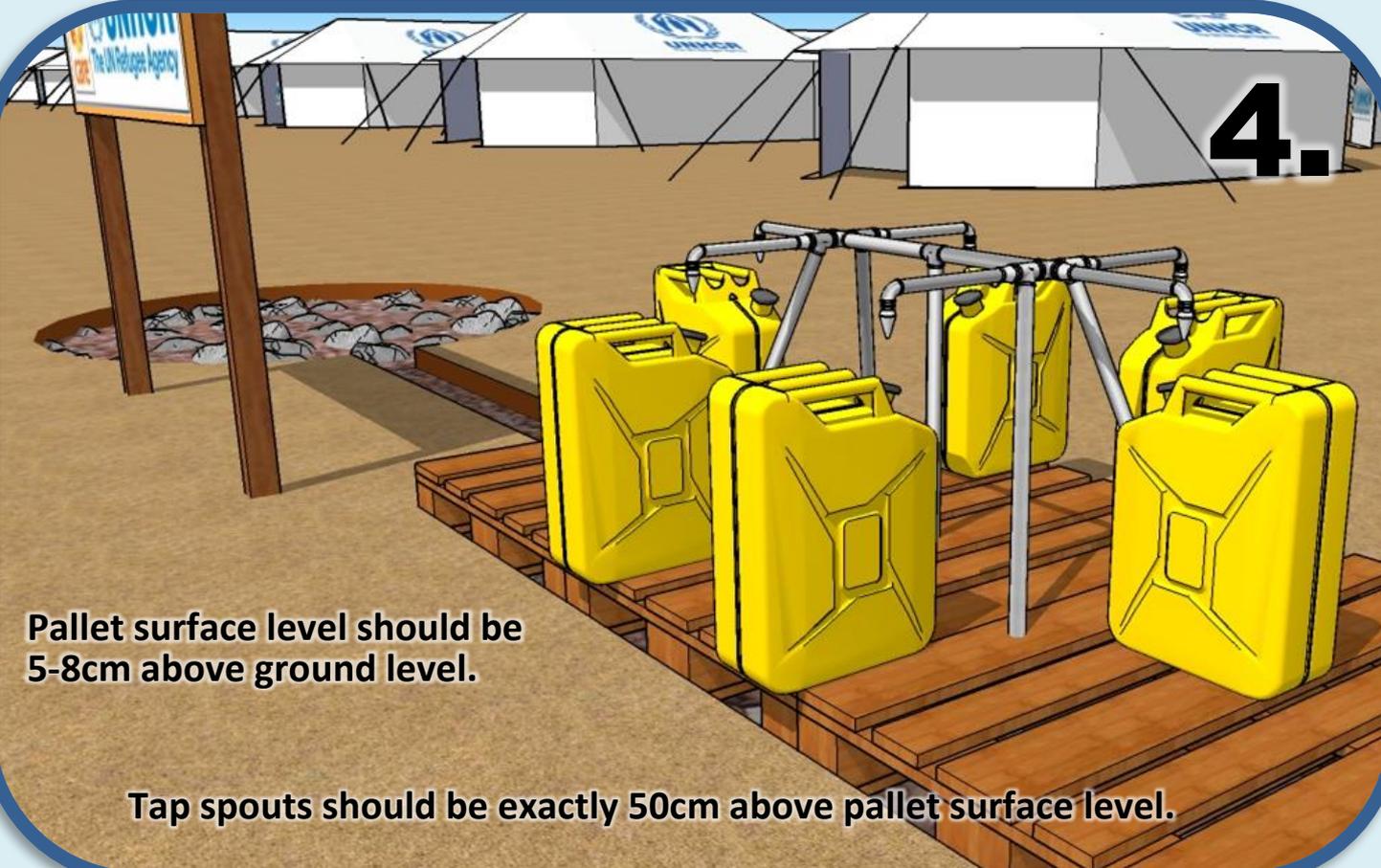


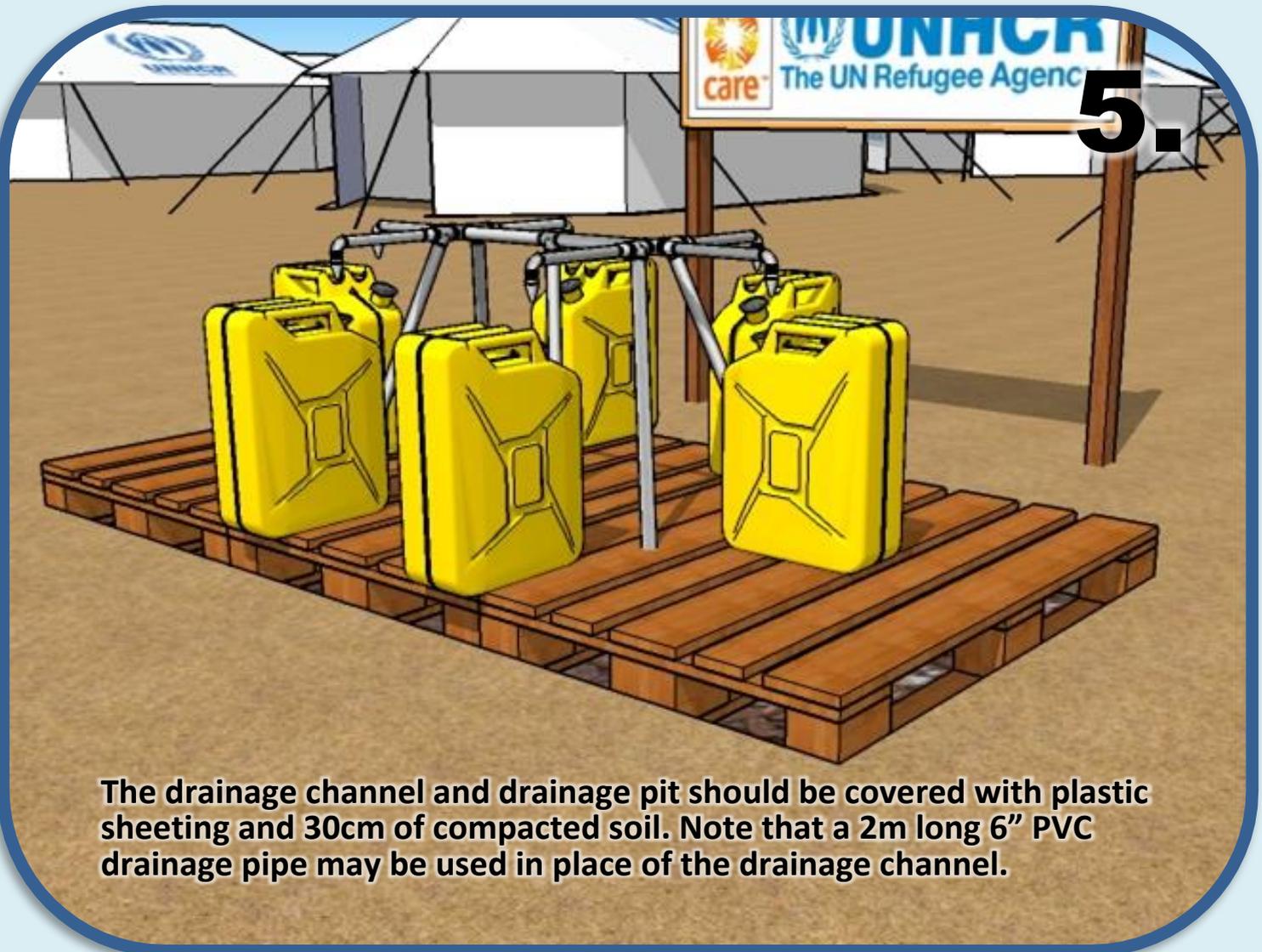
Ensure the surface is perfectly leveled.

4.

Pallet surface level should be 5-8cm above ground level.

Tap spouts should be exactly 50cm above pallet surface level.





The drainage channel and drainage pit should be covered with plastic sheeting and 30cm of compacted soil. Note that a 2m long 6" PVC drainage pipe may be used in place of the drainage channel.



ALTERNATIVE DESIGN #2

If pallets are unavailable the gravel drainage layer may be raised to form a platform. The gravel bed should be at least 5cm above ground level.