

Sample Temporary Pit Toilet Design

GUTTERS MAY BE ADDED TO THE ROOF TO COLLECT WATER FOR HANDWASHING

WOODEN HANDLES FOR MOVING THE BUILDING WHEN THE PIT IS FULL

DOOR OR COVER AT OPENING

SHELTER OF TIMBER OR CANVAS FOR PRIVACY

STRONG TIMBER BASE

IF A URINE DIVERSION SEAT INSERT IS USED, AND URINE REMOVED, THIS WILL PROTECT GROUNDWATER

TOILET STOOL COMPRISES A TIMBER BOX WITH A SEAT ATTACHED. REMOVE SPACERS BENEATH SEATS FOR A CLOSE FIT TO STOP FLIES & ODOURS. ALTERNATIVELY DESIGN AS SQUAT TOILET IF PREFERRED.

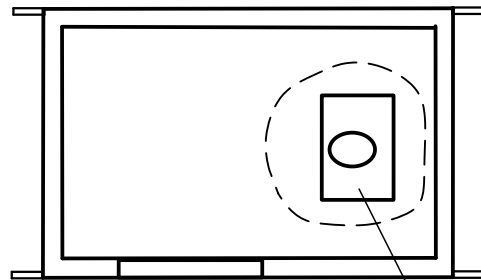
GROUND LEVEL

FRONT SECTION

END SECTION

USE WOODEN HANDLES TO MAKE IT EASY TO MOVE THE STRUCTURE WHEN THE PIT IS FULL

TO AVOID GROUNDWATER POLLUTION ENSURE THAT THE PIT BASE IS >1.5m TO GROUNDWATER OR BEDROCK



PLAN VIEW

TOILET STOOL FIXED TO HOLE IN TIMBER FLOOR, POSITIONED OVER LONG-DROP PIT

TO MINIMISE THE AMOUNT OF URINE ENTERING THE PIT, A MEN'S URINAL CAN BE MADE FROM A STRAW BALE SET ON ITS SIDE. THE CARBON IN THE BALE WILL SOAK UP THE NITROGEN IN THE URINE. POSITION THIS IN A PRIVATE OR SCREENED LOCATION, PREFERABLY SHELTERED BY A HEDGE TO MINIMISE RAINFALL LANDING ON THE BALES.

FH Wetland Systems Ltd.

Notes:

For use as temporary toilets as a sanitation option where current facilities are inadequate.

Position toilet units >20m to watercourses and >20m downgradient of wells. Base to be >1.5m to groundwater or rock.

When the contents of the pit fill 2/3 of the pit, move the structure c. 2m and cover the used pit to with soil to form a mound. Plant a tree in the mound.

Use a straw bale on its side as a men's urinal to minimise liquid inputs into the toilet.

www.wetlandsystems.ie/emergency.html for links on implementation, maintenance...

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SCALE BAR

