

# Drilled Well in Alluvial Aquifer with Submersible Pump

Reinforced concrete  
anchor block and  
metallic cover

Pump wiring

Control box

Delivery pipe to  
elevated storage tank

Plain casing

Cement grouting  
to at least 3m depth

Gravel pack  
filter

Change of bore  
diameter  
for screen  
and casing

Power cable  
and clips

Reducer

Rising main

Auto cut-out switch

Gravel pack  
filter

PVC  
Screen

Pump motor

Pump screen

Bore sump at  
least 2m deep

Soil overburden

Clay aquiclude

Water table ▼

Alluvial aquifer

Clay aquiclude

Alluvial aquifer

Clay aquiclude

D-305

TITLE

**Drilled Well Alluvial Aquifer**

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 1

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15/11/15



**UNHCR**  
The UN Refugee Agency