Protection Brick wall
Height 1300mm
width 150mm

4" PVC Plain casing

Pump installation Depth approximately
18-27mm from well bottom

PVC screen slot with 0.5/1.0mm

4" PVC sump pipe

100mm

6" Borehole Ø down to total depth

Gravel park grain size 2-3mm

Screen

Sealing bride

Clay seal : 2m
Sand seal : 1m

Backfilled Material

Static water level appx. 6-12m

8" Borehole Ø down to appx. 5m

5' 8" steel casin down to appx. 5m

Concrete Apron with Drainage ring
Total diameter 2800m
width of drainage 150mm
height at well wall 300mm
height of perimeter wall 1500mm
foundation wall 150mm

NOTE
1. All block wall thickness = 225mm except otherwise stated.
2. Cover to reinforcement must not be less than 25mm.
3. All lap length should be 45D.

BOREHOLE
PTB03
PROPOSED CONSTRUCTION OF SOLAR POWER BOREHOLE WITH WATER TANK TOWER

LOCATION
PORT LOKO

CLIENT

UNDP/SLCS

Scale: 1:100

NOTE

Drawn by:
Checked by: