



PROJECT NAME:

DRAWING TITLE:

SUBMITTED BY:

ORGANIZATION OF HUMAN  
WELFARE (OHW)

Reviewed By:

PROJECT NO:

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SCALE:

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A4

DRAWING NO:

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## WELL SECTION

PVC Pipe 63mm for  
pouring of Gravel

WELL  
CASING

150MM PCC M:200  
200MM STONE  
PECKING

GRAVEL PACK

Suction pipe

DELIVERY PIPE

Solar Submersible Pump  
61 m<sup>3</sup>/day discharge

Pump should be placed inside the casing pipe

GRAVEL PACK

FILTER PIPE

BILL PLUG

85m

8"

12"

## Notes

1-Well designed by OHW design department.

2-The working pressure for pipes and valves will be 16 bar

3- If the ground stratum are made of bed rocks it no need for installation of casing pipes. if the stratum are made of Loss soil it should be stablized by installation casing pipes.

4-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately .

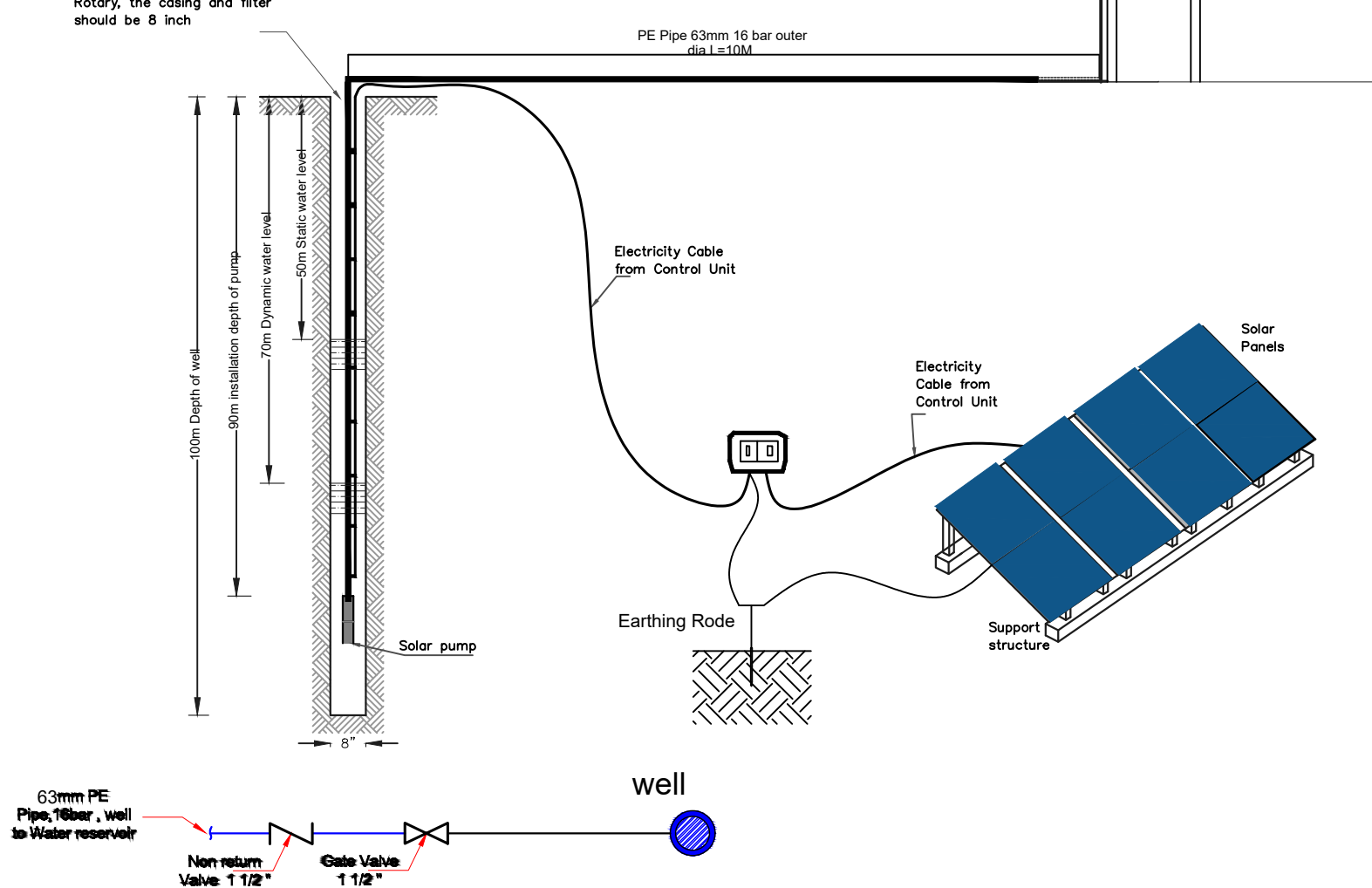
5-Pump test for 8 hours.

6-the depth of filter pipe has considered based on the previous experience . the true depth will be determined after well practical drilling.



## Typical Site plan of Solar pump system

New proposed well with the depth of 100m and diameter of drilling will be 12 inch Rotary, the casing and filter should be 8 inch



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