



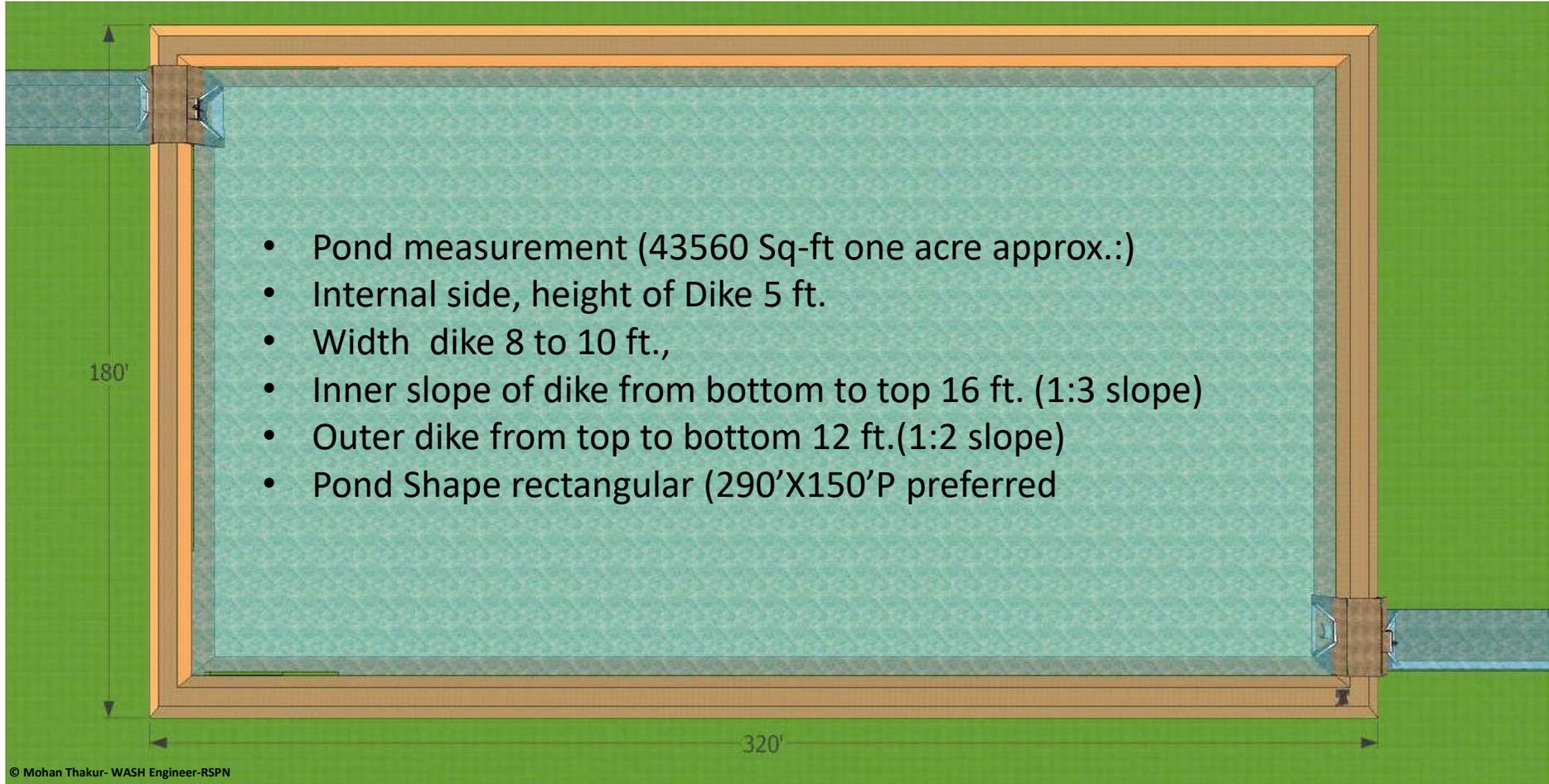
PROGRAMME FOR IMPROVED NUTRITION IN SINDH (PINS)

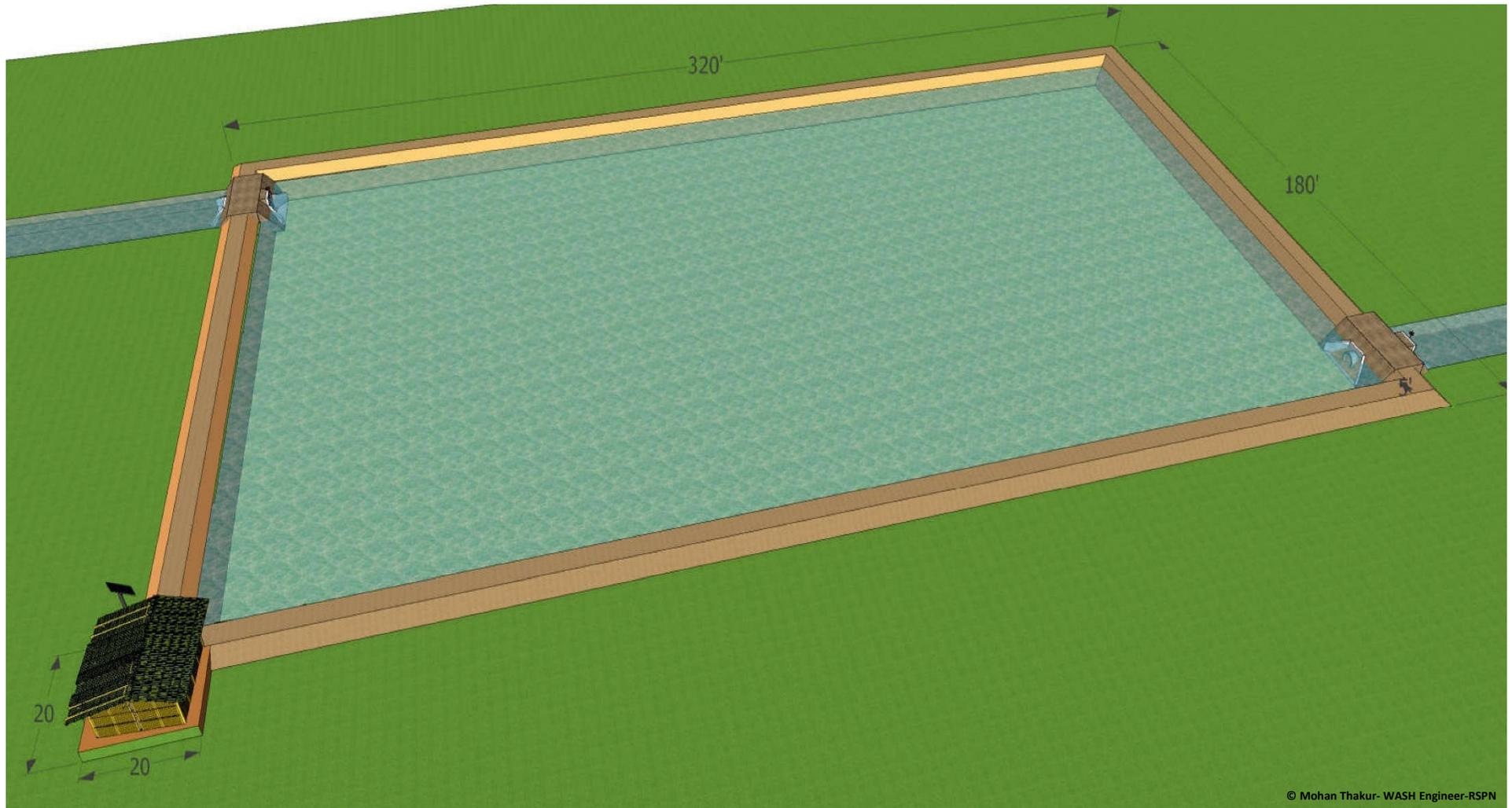
In support of the Accelerated Action Plan, Government of Sindh

Demo Community Fish Ponds Design

PINS is funded by the European Union







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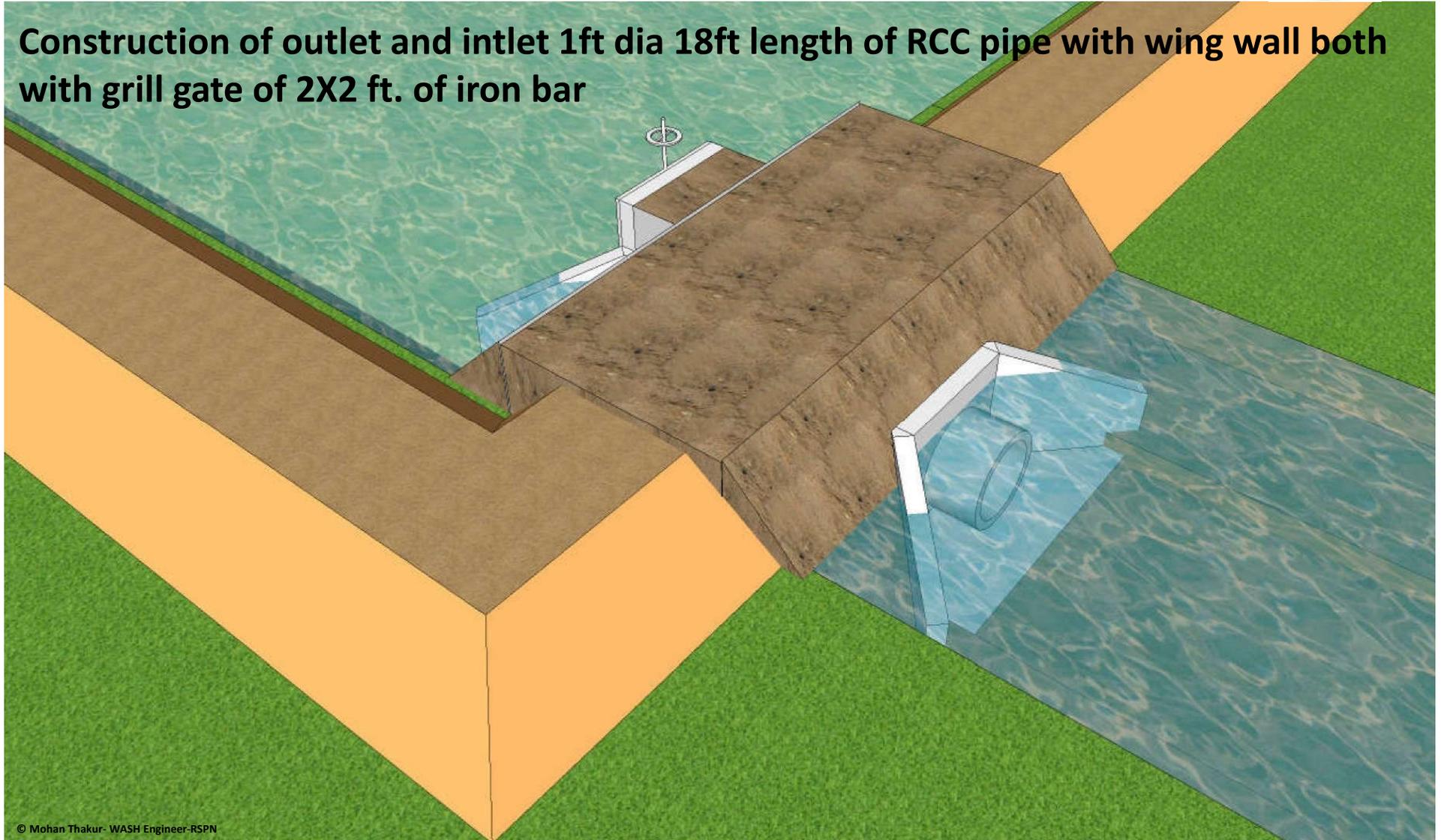




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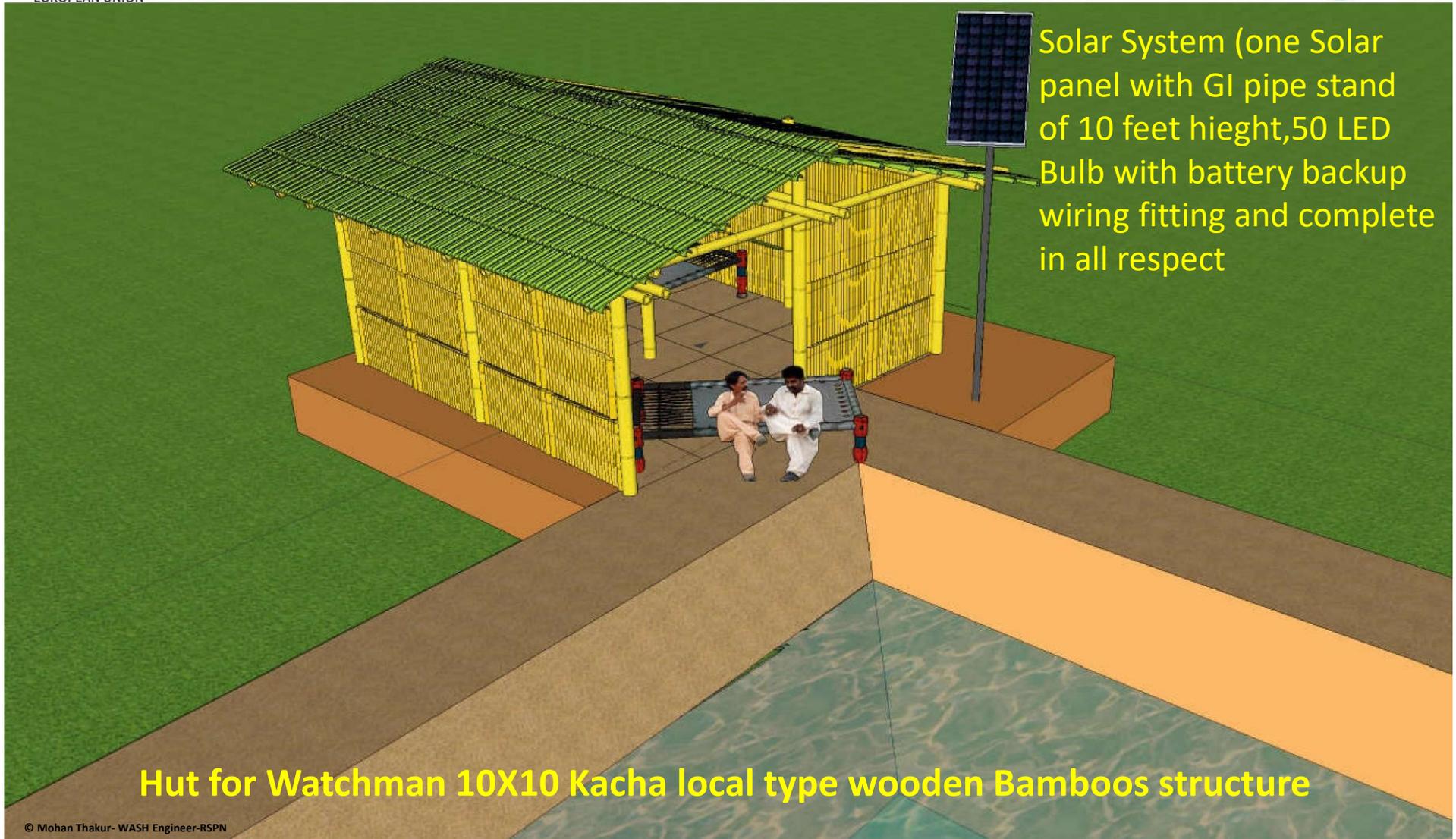


Construction of outlet and inlet 1ft dia 18ft length of RCC pipe with wing wall both with grill gate of 2X2 ft. of iron bar



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Solar System (one Solar panel with GI pipe stand of 10 feet hieght,50 LED Bulb with battery backup wiring fitting and complete in all respect

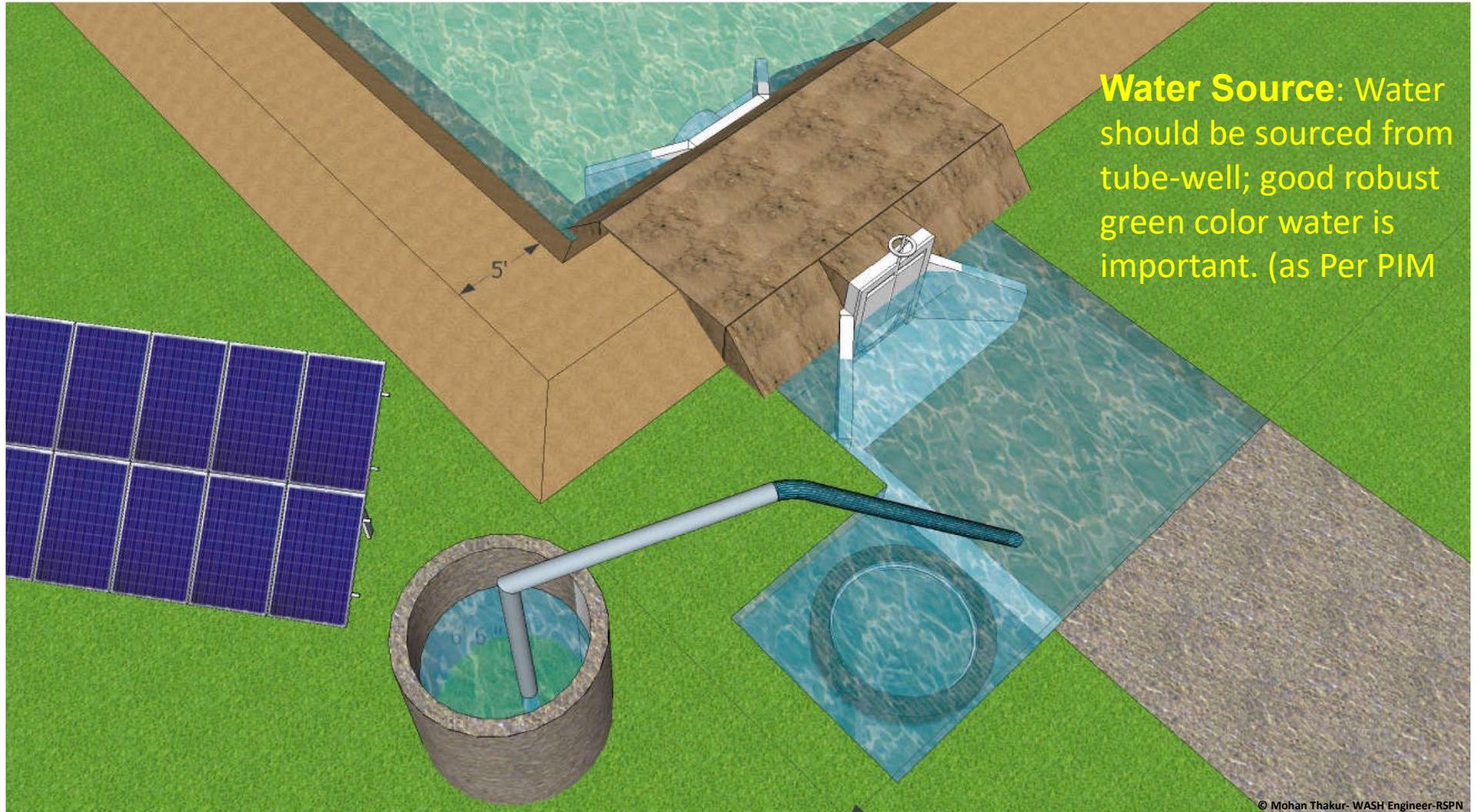
Hut for Watchman 10X10 Kacha local type wooden Bamboos structure

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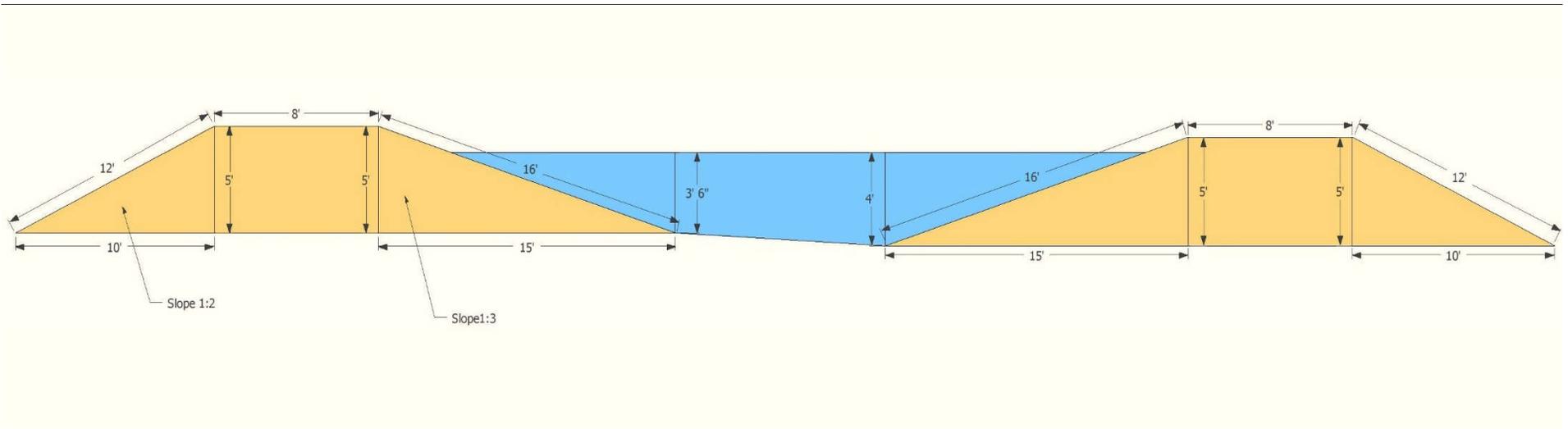


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Cross section



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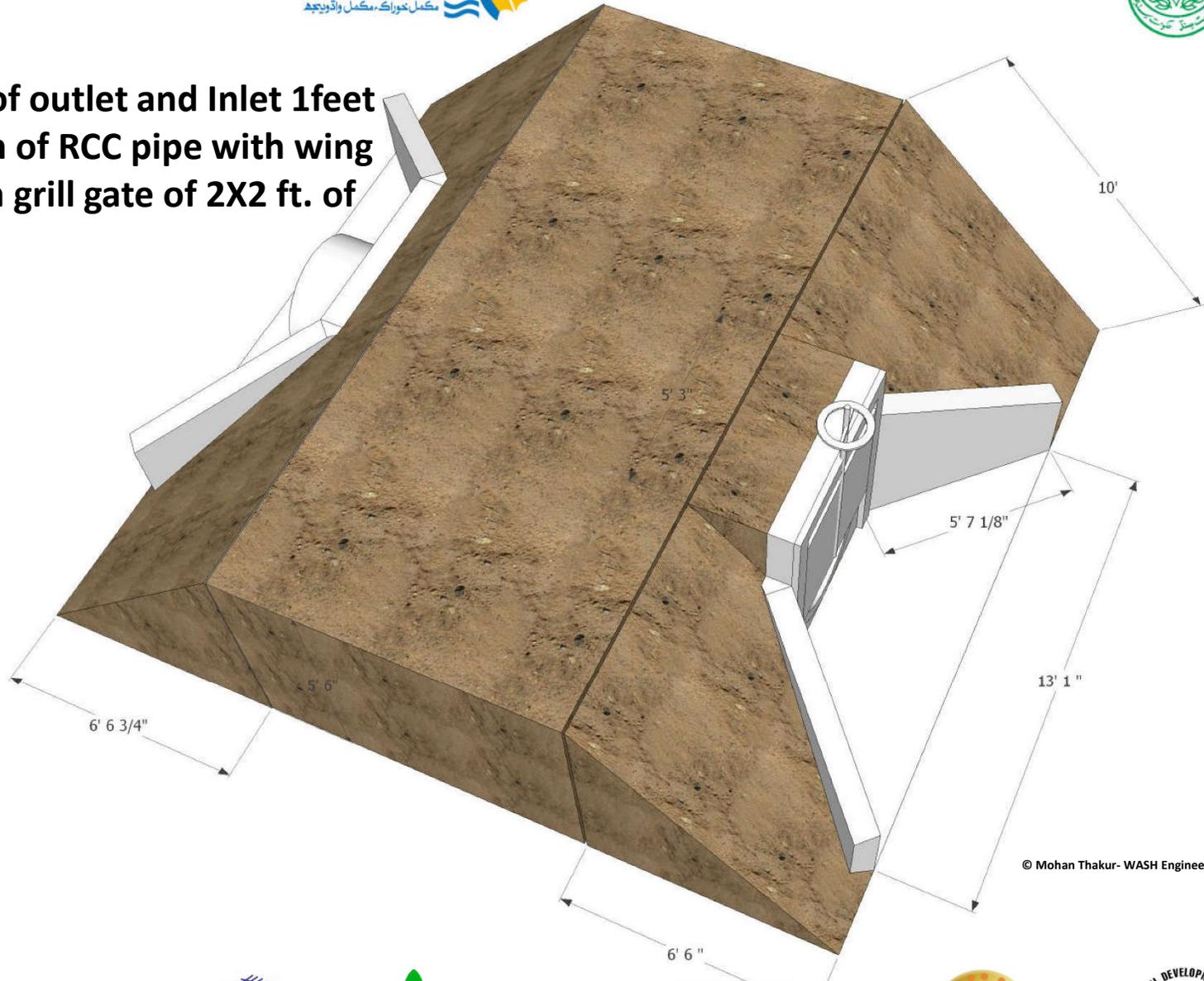




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Construction of outlet and Inlet 1feet dia 18ft length of RCC pipe with wing wall both with grill gate of 2X2 ft. of iron bar

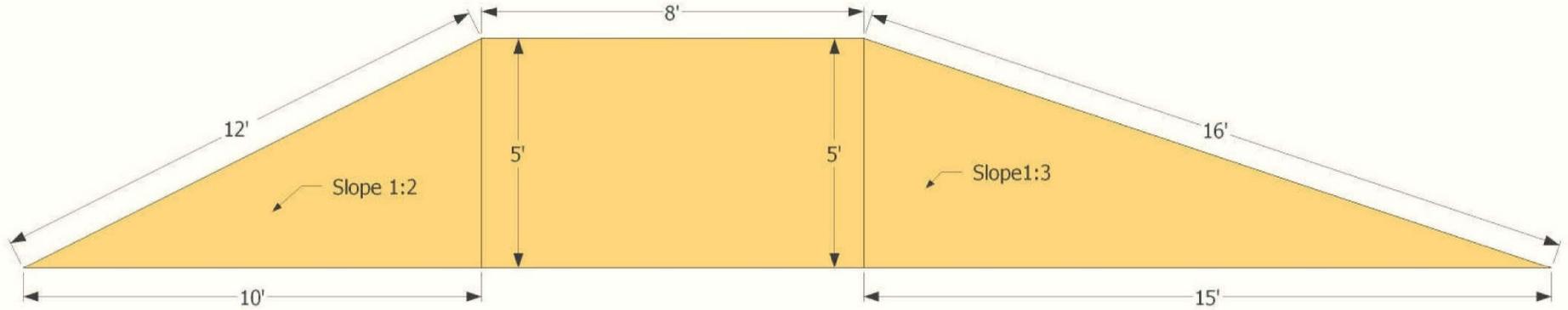


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Cross section



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1) Site Selection:

- Maximum elevation
- Distant from floods
- Adequate water supply
- Access to market road

2) **Soil sampling:** Clay soil is most desirable for water retention so it needs to be taken care of.

3) **Water Depth:** It's important that the water depth is not shallow as sunlight is important.

4) **Water Quality:** Water should be sourced from tube-well; good robust green color water is important.

5) **Farm Designing:** Rectangular shape, pond should have an independent inflow as well as outflow water structures.

6) **Manuring / Fertilization:** Organic manure, cow dung or poultry waste can be used.

7) **Stocking Densities:** For a Nursery Pond: 0.2 to 0.5 gm, & Main Fish Pond: 50 to 75 gram fingerlings,

8) **Ideal aquaculture specie:** Tilapia is most suitable as it's a freshwater fish inhabiting shallow streams, ponds, rivers and lakes.

9) **Optimum Temperature for Fish Growth (OTG):** It needs to be 25 to 30 °C,

10) **Supplementary Feeding:** Rice bran + Rice Polishing + Oil seed Cake, or Fishmeal can be used.

11) **Fish Harvesting:** Its recommended to be done through nets.

12) **Marketing within community :** Packing of the fish in the polypropylene bags, polystyrene boxes.

