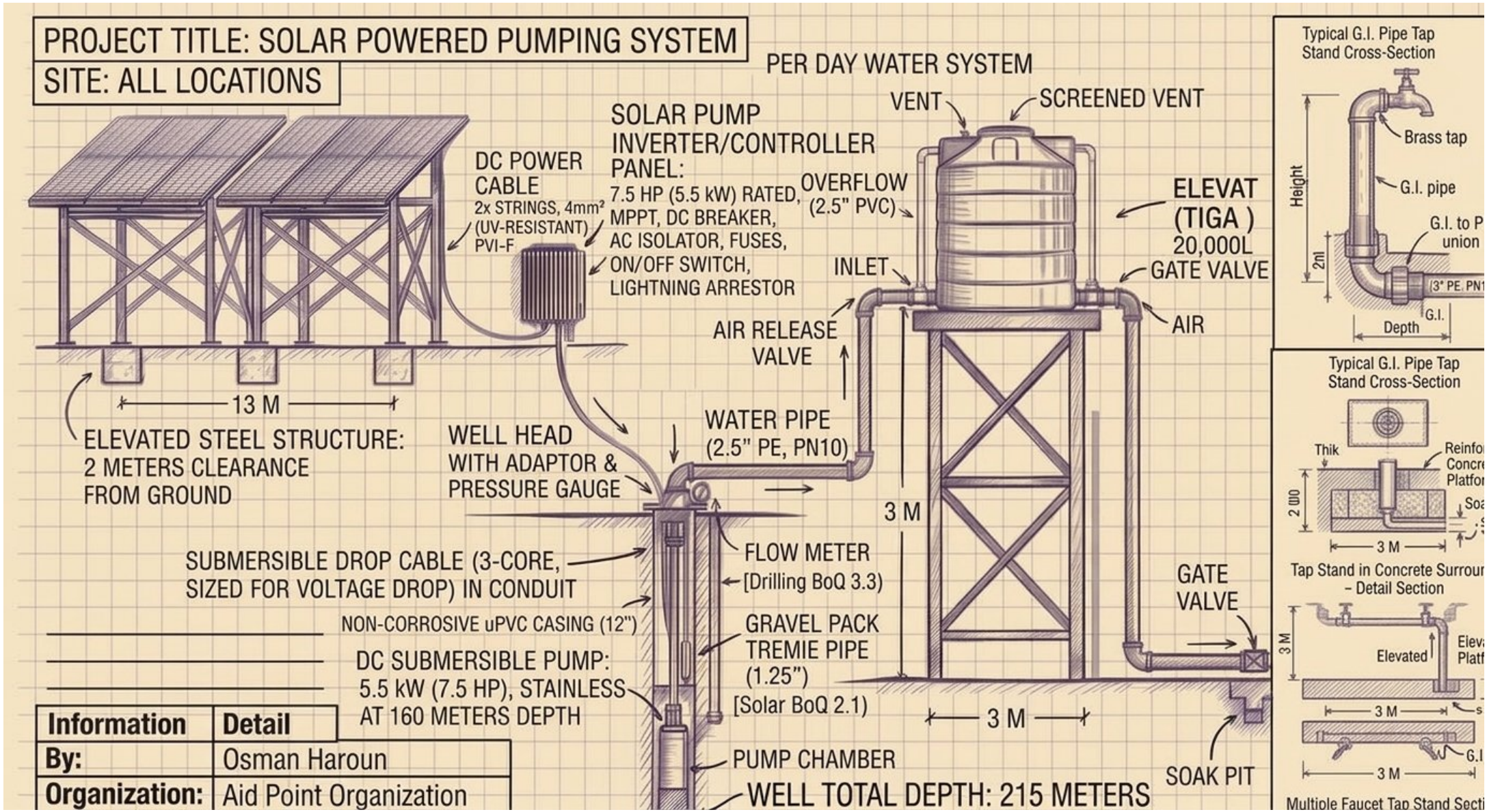

PROJECT TITLE: SOLAR POWERED PUMPING SYSTEM
SITE: ALL LOCATIONS
PER DAY WATER SYSTEM
VENT
SCREENED VENT
SOLAR PUMP INVERTER/CONTROLLER PANEL:
7.5 HP (5.5 kW) RATED, MPPT, DC BREAKER, AC ISOLATOR, FUSES, ON/OFF SWITCH, LIGHTNING ARRESTOR
DC POWER CABLE
2x STRINGS, 4mm² (UV-RESISTANT) PVI-F
OVERFLOW (2.5" PVC)
ELEVAT (TIGA) 20,000L
INLET
GATE VALVE
AIR
AIR RELEASE VALVE
13 M
ELEVATED STEEL STRUCTURE: 2 METERS CLEARANCE FROM GROUND
WELL HEAD WITH ADAPTOR & PRESSURE GAUGE
WATER PIPE (2.5" PE, PN10)
3 M
SUBMERSIBLE DROP CABLE (3-CORE, SIZED FOR VOLTAGE DROP) IN CONDUIT
FLOW METER [Drilling BoQ 3.3)
GATE VALVE
NON-CORROSIVE uPVC CASING (12")
GRAVEL PACK TREMIE PIPE (1.25") [Solar BoQ 2.1)
DC SUBMERSIBLE PUMP: 5.5 kW (7.5 HP), STAINLESS AT 160 METERS DEPTH
3 M
PUMP CHAMBER
SOAK PIT
WELL TOTAL DEPTH: 215 METERS
Information | Detail
By: | Osman Haroun
Organization: | Aid Point Organization
Typical G.I. Pipe Tap Stand Cross-Section
Height
Brass tap
G.I. pipe
G.I. to P union
2ml
(3" PE, PN1
G.I.
Depth
Typical G.I. Pipe Tap Stand Cross-Section
Thik
Reinfo Concre Platfor
Soa
2 M
3 M
Tap Stand in Concrete Surrour – Detail Section
3 M
Elevated
Eleva Platf
3 M
G.I
3 M
Multiple Faucet Tap Stand Secti