

TECHNICAL SPECIFICATIONS AND FINAL INSTALLATION OF GRAVITY FED WATER SYSTEM

Project name: _____
 Location: _____
 Coordinates: _____ latitude
 _____ longitude
 Start date: _____
 Finish date: _____

Project summary:

Description of construction process and participants:

Community population: _____
 Number of beneficiaries: _____
 Population estimate in 20 years: _____

CATCHMENT

Location: _____
 Explanation of design: _____
 Wall thickness: _____ centimeters
 Water catchment depth: _____ centimeters

Drawdown test during the rainy season:

	Pump Flow Rate (LPM)	Dynamic Level (meters)	Date
1			
2			
3			

Drawdown test during the dry season:

	Pump Flow Rate (LPM)	Dynamic Level (meters)	Date
1			
2			
3			

Water pressure to reservoir: _____ psi
 PVC sizing from pump to water storage tank: _____ diameter
 _____ thickness
 _____ psi
 PVC length: _____ meters

WATER STORAGE TANK

Description of construction materials: _____
 Total storage volume: _____ m³

DIMENSIONS

Length: _____ meters
 Width: _____ meters
 Height: _____ meters
 Wall thickness: _____ centimeters
 Float valve rating: _____ bar
 _____ psi
 Float valve elevation (from tank floor): _____ meters

WATER STORAGE TANK DIMENSIONS

Length: _____ centimeters
 Width: _____ centimeters
 _____ diameter
 Reservoir inlet: _____ schedule
 _____ psi
 _____ diameter
 Reservoir outlet: _____ schedule
 _____ psi
 _____ diameter
 Reservoir cleanout: _____ schedule
 _____ psi
 _____ diameter
 Reservoir overflow: _____ schedule
 _____ psi
 Access to top of reservoir: _____ (permanent ladder or moveable ladder)
 Access into reservoir: _____ (permanent ladder or moveable ladder)

WATER QUALITY TEST AND WATER TREATMENT SYSTEM

Was a water quality test completed before the construction of the system, which ones (physiochemical, bacteriological, others)?

Description of results not within limits:

Methods to resolve contamination/treatment systems installed:

Description of system:

Where is the system treatment installed:

Was a water quality test completed after the construction of the system, which ones (physiochemical, bacteriological, others)?

DISTRIBUTION NETWORK

Description:

WATER CONNECTIONS

Type of connections (house or tap stands): _____
 Number of connections installed: _____
 Water meters installed: _____

ANNEXES

- Budget
- Community participant list
- Community Map (including GPS map if available)
- System plans/diagram (including pipeline diagram)
- Water quality analysis results before and after system construction