

PROCEED n° MF4-F50	Rev 2.0	Reservoir sup. : Foundation & slab	June 2025
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Zone:	Contractor:
Woreda:	Supervisor:
Federation:	WP Name
Network:	

S/N	Checking item	Validation √, X or N/A	Date of inspection	Comments
1	Foundation excavation & compaction			
1.1	Supervisor has filled the format MF4-F62 "WP configuration"			
1.2	Check yield compared to design requirement MF4-M50 §4			
1.3	Foundation depth is at least 30cm and ø2.7m MF4-M15 §1			
1.4	Drop stone test pass (Mark < 1 cm) MF4-M15 §1			
1.5	Contractor knows masonry size & pipes position in the foundation MF4-M50 §5			
V1	Foundation approved, all above items are conform			Contractor can't proceed to slab preparation without this validation
2	Preparation for slab casting			
2.1	25cm wide 40cm high masonry wall stones inside is constructed (ø2.2m) MF4-M15 §1			
2.2	Clean 2cm high lean concrete (1:3:6) is casted on masonry work MF4-M15 §1			
2.3	Inlet PVC pipe is installed diameter as per design and position as per MF4-M50 §5			
2.4	Washout ø50 PVC pipe is installed with coupling 10cm above lean concrete as per MF4-M50 §5			
2.5	Outlet ø32 PVC pipe is installed, position as per MF4-M50 §5			
2.6	The overflow, inlet and outlet pipes size match the design or standard			
2.7	Slab rebar mesh is supported by 2-3cm gravel above foundation MF4-M50 §6			
2.8	The height of the outlet pipe is 3cm above the surface floor			
2.9	Cement is in a dry place, sand is clean and gravel size: 5-20mm MF4-M13 §2			
2.10	Apparatus to measure sand and gravel quantity is available MF4-MF13 §1			
2.11	Water agent knows he has to water the slab 2 times a day for 7 days MF4-M50 §6			
V2	Preparation approved, slab can be cast, all above items are conform			Contractor can't proceed to slab casting without this validation

Supervisor has **2 mandatory validation visits** . If one item is not validated, correction measures must be agreed with contractor and another visit organized. If not impossible, penalties must be applied (up to contract termination).

Contractor's name:		Supervisor's name:	
Date of validation:		Date of validation:	
Signature:		Signature:	

PROCEED n° MF4-F50	Rev 2.0	Reservoir supervision : Wall	June 2025
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Zone:	Contractor:
Woreda:	Supervisor:
Federation:	WP Name
Network:	

S/N	Checking item	Validation ✓, X or N/A	Date of inspection	Comments
1	Wall preparation			
1.1	Slab is properly cured: not too white, not sandy, no cracks. Slab has been cleaned.			
1.2	Outer 15cm (slab-wall conn.) of the slab is prepared with deep cutting MF4-M50 §6			
1.3	All rings of the inside mould are installed with all bolts and nuts , clean, oiled with cooking oil, centered on the slab and level has been checked in 4 points MF4-M50 §7			
1.4	Wall rebar installation is OK: mesh dimension, bars diameter, wire ties, ring overlapping not aligned and there is 1.5cm clearance with rebar MF4-M50 §7			
1.5	First ring of the outside mould is installed with all bolts and nuts , clean, oiled with burnt oil, centered on the slab and level has been checked in 4 points MF4-M50 §7			
1.6	Concrete mixing platform is prepared and clean MF4-MF13 §4			
1.7	Cement is in a dry place, sand is clean and gravels size: 5-20mm MF4-M13 §2			
1.8	Apparatus to measure sand and gravel quantity is available (1:2:3) MF4-MF13 §1			
V1	Wall preparation is approved, all above items are conform			Contractor can't proceed to wall casting without this validation
2	Wall casting			
2.1	Wall casting starting before 9am, the entire wall must be cast in one day in presence of the supervisor MF4-M50 §8			
2.2	Concrete is laid from one end, then progressively all around the mould MF4-M50 §8			
2.3	15 minutes maximum between 2 concrete batches MF4-M50 §8			
2.4	Uninterrupted vibration is done with a steel GI pipe inside and a wooden hammer on both sides of the reservoir MF4-M50 §8			
2.5	If a 2nd or a 3rd ring is necessary, check installation of the mould (centering, level, oil, bolts&nuts, cleanliness) MF4-M50 §8			
V2	Wall casting is approved, all above items are conform			Wall casting is considered conform only with this validation
3.1	Call the Water agent the day after casting to ensure the reservoir is full MF4-M50 §8			
3.2	Call the WA 7 days after casting to ensure the reservoir is still full MF4-M50 §8			
V3	Reservoir curing is approved (no visit necessary), all above items are conform			Contractor can't proceed to slab casting without this validation

Supervisor has **2 mandatory validation visits**. If one item is not validated, correction measures must be agreed with contractor and another visit organized. If not impossible, penalties must be applied (up to contract termination).

Contractor's name:		Supervisor's name:	
Date of validation:		Date of validation:	
Signature:		Signature:	

PROCEED n° MF4-F50	Rev 2.0	Reservoir sup. Top slab	June 2025
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Zone:	Contractor:
Woreda:	Supervisor:
Federation:	WP Name
Network:	

S/N	Checking item	Validation √, X or N/A	Date of inspection	Comments
1	Top slab preparation			
1.1	Framework that will receive the concrete is concrete tight and solid MF4-M50 §9			
1.2	Slab rebar mesh is as per MF4-M50 §9 (ø8mm, 15x15cm, ø140cm) and there is 1.5cm clearance with mould			
1.3	Slab rebar mesh is supported by 2-3cm gravel above foundation MF4-M50 §9			
1.4	Door is installed in a way that it is going to be cast in the slab and the washout pipe will be accessible MF4-M50 §9			
1.5	Concrete mixing platform is prepared and clean MF4-MF13 §4			
1.6	Cement is in a dry place, sand is clean and gravel size: 5-20mm MF4-M13 §2			
1.7	Apparatus to measure sand and gravel quantity is available MF4-MF13 §1			
1.8	Water agent knows he has to water the slab 2 times a day for 7 days MF4-M50 §6			
V1	Top slab preparation is approved, all above items are conform			Contractor can't proceed to top slab casting without this validation

Supervisor has **2 mandatory validation visits** . If one item is not validated, correction measures must be agreed with contractor and another visit organized. If not impossible, penalties must be applied (up to contract termination).

Contractor's name:		Supervisor's name:	
Date of validation:		Date of validation:	
Signature:		Signature:	

PROCEED n° MF4-F51	Rev 2.0	Reservoir completion report proof of achievement	June 2025
Zone:	Contractor:		
Woreda:	Supervisor:		
Network:	WP Name :		
Contract ref n° :			

Part	To be checked	Controller 1		Controller 2	
		ARIA		WWO	
		Ok √	Not Ok X	Ok √	Not Ok X
Outside Reservoir	No cracks are observed on the outside part of the concrete reservoir				
	There is no leakage on the reservoir wall and at slab/wall junction				
	The concrete inside and outside is smooth				
	Top slab has slope to evacuate water				
	Outlets & overflow pipes well covered & protected				
	Verticality of structure maintained				
Manhole (door)	The door is raised from reservoir top slab				
	Concrete ledge is cast to support the door when opened				
	There is a mortar joint inside of the door				
Inside Reservoir	The surface floor is clean (absence of any sediment or rest of concrete)				
	The surface floor is smooth with no deterioration				
	The overflow, inlet and outlet pipes size match the design or standard				
	The height of the overflow pipe is 5cm above top slab				
	The height of the outlet pipe is 3cm above the surface floor				
Overflow outlet (if no cattle through)	The overflow outlet is well anchored and protected from erosion				
	Water can flow out freely at outlet (pipe not submerged)				
	Overflow water is well drained after the overflow				
General overview	The whole construction is well finished, from inside to outside				
	Construction standards were respected during the whole construction (mix of cement and mortar, curing time, good connection HDPE-PVC...)				
	All directions and designs given by the supervisor were immediately and well applied during construction				
Total					

The 2 controllers agree that the contractor did not respect the minimum standard defined in the contract (9 X maximum). 5% will be withdrawn from the construction price and warning letter.	☐ Yes	☐ No
The 2 controllers agree that the contractor did not respect the minimum standard defined in the contract (5 X maximum). 2% will be withdrawn from the construction price.	☐ Yes	☐ No
The 2 controllers agree that the contractor did not respect the minimum standard defined in the contract (3 X maximum). 1% will be withdrawn from the construction price.	☐ Yes	☐ No

Signatories of the present document certify that the above mentioned construction was achieved at the date of signature.

	Controler 1 (WWO Construction expert)	Controler 2 (WWO Scheme Administraion expert)
Name		
Sign.		

	WWO HEAD /Representative	Technical Assist. (ARIA) / Zone Construction Expert
Name		
Sign.		