

PROCEED n° MF4-F27		1.0	Spring supervision checklist	September 2026
V1	Cutting walls & box foundation MF-M24 §2 and 3			
1.1	The spring measurements formats are filled and available MF4-F21 , MF4-F22 , MF4-F23 and is still up to date			
1.2	Excavation dimensions are 20cm wide and 50cm deep mini, box excavation is 2.3m diameter			
1.3	Soil is well compacted inside the excavations			
1.4	Rebar mesh 20x20cm 8mm diameter is installed for the cutting wall			
V2	Box slab preparation MF-M24 §4 and 5			
2.1	Clean 4-5cm high lean concrete (1:3:6) is casted on masonry work			
2.2	Lean concrete is 25-30cm under natural ground upstream			
2.3	The PVC assembly for overflow, inlet and outlet pipes size match the design or standard and is pre-installed			
2.4	Slab rebar mesh is supported by 2-3cm gravel above lean and conform to dimensions (60cm high, 162cm diam...)			
2.5	Concrete preparation, tools and conditions are as methodology MF4-M13 §1			
2.6	Water agent knows he has to water the slab 2 times a day for 7 days			
V3	Spring box masonry validation MF-M24 §6			
3.1	Inside mold is installed and centered			
3.2	The banana trunk are touching the mold, going above flat stones and filling the space between			
3.3	The flat stones are well installed to give the maximum water channel possible			
3.4	Gap between masonry and mold is at least 10cm all around			
3.5	No water trapped visible upstream of cutting wall			
3.6	Concrete preparation, tools and conditions are as methodology MF4-M13 §1			
V4	Wall casting day MF-M24 §7			
4.1	Wall casting starting before 9am, the entire wall must be cast in one day in presence of the supervisor			
4.2	Rebar mesh is as per methodology			
4.3	False banana trunk are well installed for steps (40cm from left to right every 30cm)			
4.4	Concrete preparation, tools and conditions are as methodology MF4-M13 §1			
4.5	Concrete is laid from one end, then progressively all around the mould			
4.6	15 minutes maximum between 2 concrete batches			
4.7	Uninterrupted vibration is done with a steel GI pipe inside and wooden hammer on both sides of reservoir			
4.8	If a 2nd or a 3rd ring is necessary, check installation of mould (centering, level, oil, bolts&nuts, cleanliness)			
4.9	Call the Water agent the day after casting to ensure the spring box has been watered and covered			
4.10	Water agent knows he has to water the spring box 2 times a day for 7 days			
V5	Cover slab preparation MF-M24 §8			
5.1	Catchment area filling is as per methodology (gravels-stones-gravels)			
5.2	The level of the filling is up to cutting walls level			
5.3	Rebar mesh (20x20cm 8mm) is covering whole area 2-3cm above filling and linked with wire to cutting wall bended rebar			
5.4	Concrete preparation, tools and conditions are as methodology MF4-M13 §1			
5.5	Water agent knows he has to water the slab 2 times a day for 7 days			