

Notes

- 1) GENERAL
- a) this drawing is copyright protected and may not be used, reproduced or relied upon by third parties except as explicitly agreed by Michael Aubrey Partnership Ltd.
- b) all measurements must be obtained from stated dimensions and must not be scaled except for Local Authority planning application purposes
- c) all dimensions are in millimetres unless noted otherwise and must be verified on site prior to works
- d) all drawings are to be read in conjunction with all other project drawings and any discrepancies must be reported immediately for clarification
- e) all proprietary products are to be installed strictly to Manufacturer's instructions
- f) for complete schedules, legends, sheet notes & specification notes, refer to '900' series drawings

Method Statement for the Installation of the 10,000 L Water Tank

1. Proposed works to be carried out after the rest of the drainage is in place
2. Excavation position to be set out based on layouts and the site is to be fully CAT scanned for services.
3. Excavate the area to the required depth for the first manhole chamber ring, 1m depth. Excavator to have good manoeuvrability and should have capability to dig down to 3.5m. Suggested Excavator to be JCB 3CX Backhoe loader.
4. The first manhole ring is to be safely lifted into the excavation, providing safe shoring for access to the excavation.
5. Now access is permitted, any ground water present in the excavation to be pumped out at any time, provided that safe laddering is provided and maintained.
6. With personnel safely out of the excavation. The bottom of the shored excavation is to be dug out in small level increments by the excavator. During this excavation the Precast ring will settle to the reduced excavation and once down to 1.5m depth, the 2nd precast ring can be placed on top of the 1st ring.
7. This excavation is to be continued, using the same sequence down to 2.5m, whilst ensuring the excavation is dry. Once at this level the 3rd precast ring can be installed on top of the 2nd.
8. With all rings installed the level can be reduced to 3.4m.
9. Once at the required level, the bottom of the excavation is to be pumped out, prepared and blinded with lean mix.
10. Bars are to be safely drilled and grouted into the precast ring at the level shown on the drawing to tie in with the slab rebar.
11. Bottom slab rebar to be prepared at ground level and safely lowered into the pit onto spacer blocks. Following this the bottom slab is to be poured and appropriately worked and vibrated. 100mm diameter weep hole to be penetrate the middle of the slab and blinding in, to prevent flotation prior to restoring weight being applied.
12. Once the bottom slab concrete has 3 days cure, the weep hole is to be fully grouted up and the water tank is to be safely lifted into the pit as per the manufacturers guidelines.
13. The inlet pipe from the catchpit is to be connected to water tank in accordance with manufacturer's details. Precast ring to be safely cored in the appropriate position. For health and safety purposes and future maintenance, it would be prudent to install an access ladder within the water tank
14. The Water tank to be fully filled with water with the catch pit outlet temporarily plugged.
15. Precast ring to be infilled with concrete to fully surround the water tank up to u/s of top slab level.
16. Rebar for top slab to be adequately fixed and top slab poured, with appropriate 600 diameter void, formed over the access point.
17. Once 7 day strength is achieved, lid to cover opening on the top slab to be installed and macadam finish applied. Once finished the water tank can be drained.

During works, it is recommended that the following health and safety measures are undertaken;

1. All excavations are to be adequately safe-guarded with appropriate fall protection at all times.
2. All excavation must be CAT scanned prior to digging.
3. The water tank should have an access ladder installed for future maintenance.

Rev.	Date	By	Description
0	27.10.2017	FM	First issue



Project
**Leicestershire Fire & Rescue
Service - USAR Training
Facility**

Client
**Leicestershire Fire & Rescue
Service, 12 Geoff Monk Way,
Birstall, Leicester. LE4 3BU**

Title
**Method Statement for the
Installation of the 10,000 L
Water Tank**

Drawing No. MAP/C3106/902	Revision 0
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Project No. C3106	Date 27.10.2017
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Drawn by FM	Checked by CM
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Scale	Sheet Size A3
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