



1. START THE EXISTING PUMPS TO EMPTY MOST OF THE SUMP BEFORE DISABLING THEM. (FOSKOR)
2. CONSTRUCT A 330MM WIDE X 600MM HIGH BRICK WALL IN EACH OF THE INLET PIPES TO CREATE TEMPORARY SUMPS IN THE PIPE.
3. USE A SUBMERSIBLE PUMP TO DRAIN WATER FROM THE PIPE SUMP TO THE MAIN CULVERT OUTLET (CONTINUALLY).
4. USE A SUBMERSIBLE PUMP TO COMPLETELY DRAIN FLUID FROM THE EXISTING SUMP.
5. REMOVE ALL SILT/SLUDGE FROM THE EXISTING SUMP FLOOR.
6. MAKE A SCORING CUT AT THE PERIMETER OF THE AREA TO BE BROKEN OUT, 40 MM DEEP.
7. DEMOLISH CONCRETE OF THE AREA OF THE EXISTING SUMP, WHILE RETAINING THE REINFORCEMENT.
8. CUT REINFORCEMENT AT POSITIONS, AS AGREED WITH THE ENGINEER, AND BEND OUT OF THE WAY.
9. START EXCAVATING A NEW SUMP. LATERAL SUPPORT TO EXCAVATION SIDES IS TO BE INSTALLED TO PREVENT COLLAPSE AND UNDERMINING.
10. IT IS EXPECTED THAT GROUNDWATER IS PRESENT AND THAT DEWATERING WILL BE REQUIRED DURING CONSTRUCTION.
11. ONCE THE DESIRED DEPTH OF EXCAVATION IS ACHIEVED BY THE CONTRACTOR, THE BASE IN-SITU LAYER SHOULD BE COMPACTED AS PER SPECIFICATION.
12. HEREAFTER A BIDIM LAYER MUST BE INSTALLED BEFORE PLACING AND COMPACTING A LAYER OF ENGINEERED FILL.
13. THE REINFORCEMENT CAN BE FIXED IN PLACE. THE EXISTING REINFORCEMENT SHOULD BE BENT INTO POSITION TO OVERLAP THE NEW REINFORCEMENT.
14. AFTER REINFORCEMENT HAS BEEN FIXED, COVER BLOCKS AND SHUTTERING CAN BE INSTALLED. THE ENGINEER SHOULD INSPECT THE REINFORCEMENT AND APPROVE IT BEFORE CONCRETE CAN BE CAST.
15. THE CONTRACTOR AND THE ENGINEER SHOULD AGREE ON THE POSITIONS OF CONSTRUCTION JOINTS, AND THE DETAILS THEREOF.
16. ALL CONCRETE SHOULD BE CURED UTILIZING A RELEVANT AND APPROVED METHOD.
17. AFTER THE CONCRETE HAS SUFFICIENTLY CURED, THE SHUTTERING CAN BE STRIPPED. THE ENGINEER SHALL PERFORM A POST-CONCRETE INSPECTION TO APPROVE THE CONSTRUCTION.
18. AFTER APPROVAL, ALL CONCRETE SURFACES (NEW AND OLD) SHOULD BE CLEANED AND PREPARED. A PROTECTIVE COATING, AS SPECIFIED, SHOULD BE APPLIED TO ALL SURFACES.
19. AFTER APPROVAL OF THE PROTECTIVE COATING, PUMPING MAY CEASE AND THE TEMPORARY WALLS WITHIN THE INLET PIPES CAN BE DEMOLISHED.
20. ALL EQUIPMENT AND BUILDING MATERIALS SHOULD BE REMOVED FROM THE SITE BEFORE FOSKOR CAN RECOMMISSION THE PUMPS.
21. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVE COMPLIANCE WITH SPECIFICATIONS THROUGH RELEVANT TESTING. THE RATES HEREOF SHOULD BE INCLUDED IN THE CONSTRUCTION RATES TENDERED.



REFER TO DRAWING R24-004-00-702
FOR SUMP REINFORCEMENT PLAN
AND SECTION

FOR TENDER

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