

## INITIAL WATER REMEDIATION PROGRAM STEPS

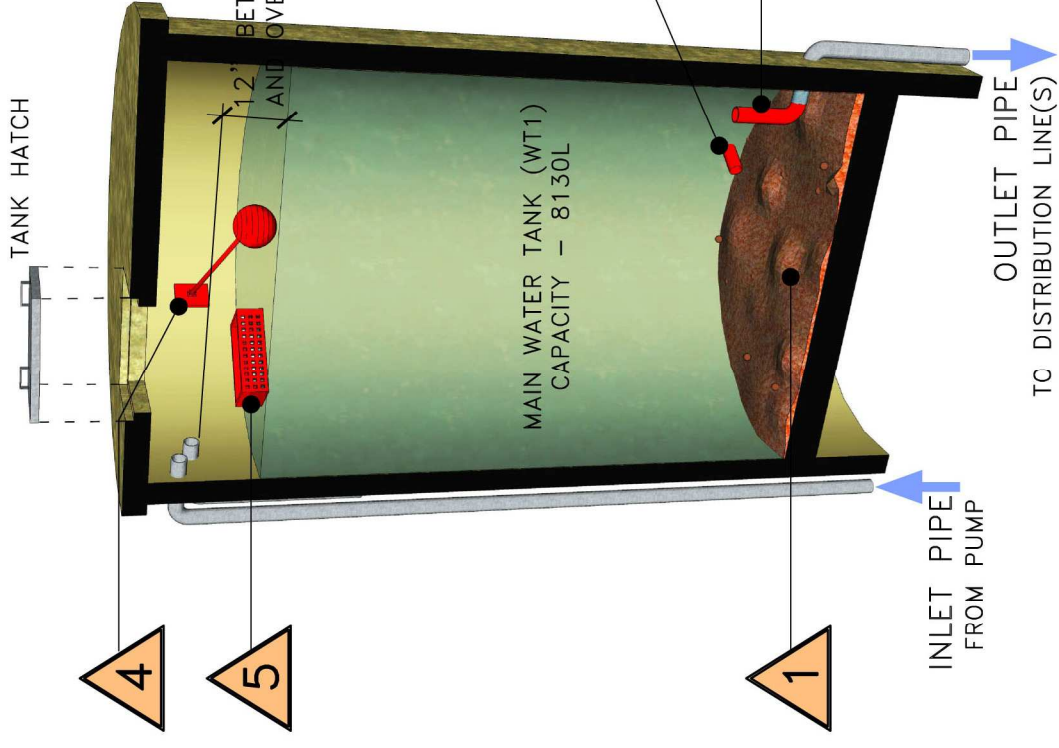
- 1** CLEAN MAIN WATER TANK – FLUSH OUT THE TANK AND THOROUGHLY CLEAN IT INSIDE TO REMOVE AS MUCH IRON SEDIMENT AS POSSIBLE.
- 2** ADD NEW FLUSHING OUTLET – ADD A NEW 2" DIAMETER OUTLET PIPE AT THE BASE OF THE TANK. EXTEND THE PIPE DOWN TO GROUND LEVEL WITH A VALVE AT THE BASE FOR USE IN PERIODIC FLUSH-CLEANING OF THE TANK.
- 3** ADD ELBOW TO OUTLET PIPE – ADD AN ELBOW JOINT AND A 12" RISER PIPE TO THE EXISTING OUTLET PIPE(S) OF THE TANK. THE RISER PIPE SHOULD EXTEND UPWARDS INTO THE TANK.
- 4** ADD FLOAT SWITCH FOR PUMP – ADD A FLOAT SWITCH AND CONNECT IT TO THE PUMP TO SWITCH IT 'ON' AND 'OFF' AUTOMATICALLY. THE PUMP SHOULD SWITCH 'ON' WHEN THE WATER LEVEL DROPS 2' BELOW THE OVERFLOW PIPE. THE PUMP SHOULD SWITCH 'OFF' WHEN THE WATER LEVEL RETURNS TO 1' BELOW THE OVERFLOW PIPE.
- 5** ADD CHLORINE TABLETS – INSTALL A PERFORATED CONTAINER IN THE TANK TO HOLD THE CHLORINE TABLET. THE CONTAINER SHOULD BE INSTALLED AT LEAST 1' BELOW THE OVERFLOW PIPE SO THAT THE CHLORINE TABLET WILL BE IN CONTACT WITH THE WATER.

**6** RECONNECT HOSPITAL TANKS – FLUSH OUT THE EXISTING PIPELINE FROM THE MAIN WATER TANK TO THE HOSPITAL BUILDING. EXTEND THIS PIPELINE TO RECONNECT THE MAIN WATER TANK TO THE TWO HOSPITAL TANKS (WT2, WT3).

**7** CLEAN HOSPITAL TANKS – FLUSH DRAIN THE TWO HOSPITAL TANKS (WT2, WT3) AND THOROUGHLY CLEAN THEM INSIDE TO REMOVE AS MUCH IRON SEDIMENT AS POSSIBLE. ADD A FLOAT VALVE IN TANK WT2 TO PREVENT OVERFLOW FROM THE RECONNECTED PIPELINE TO THE MAIN TANK. ADD COVERS TO THESE TANKS TO PREVENT CONTAMINATION.

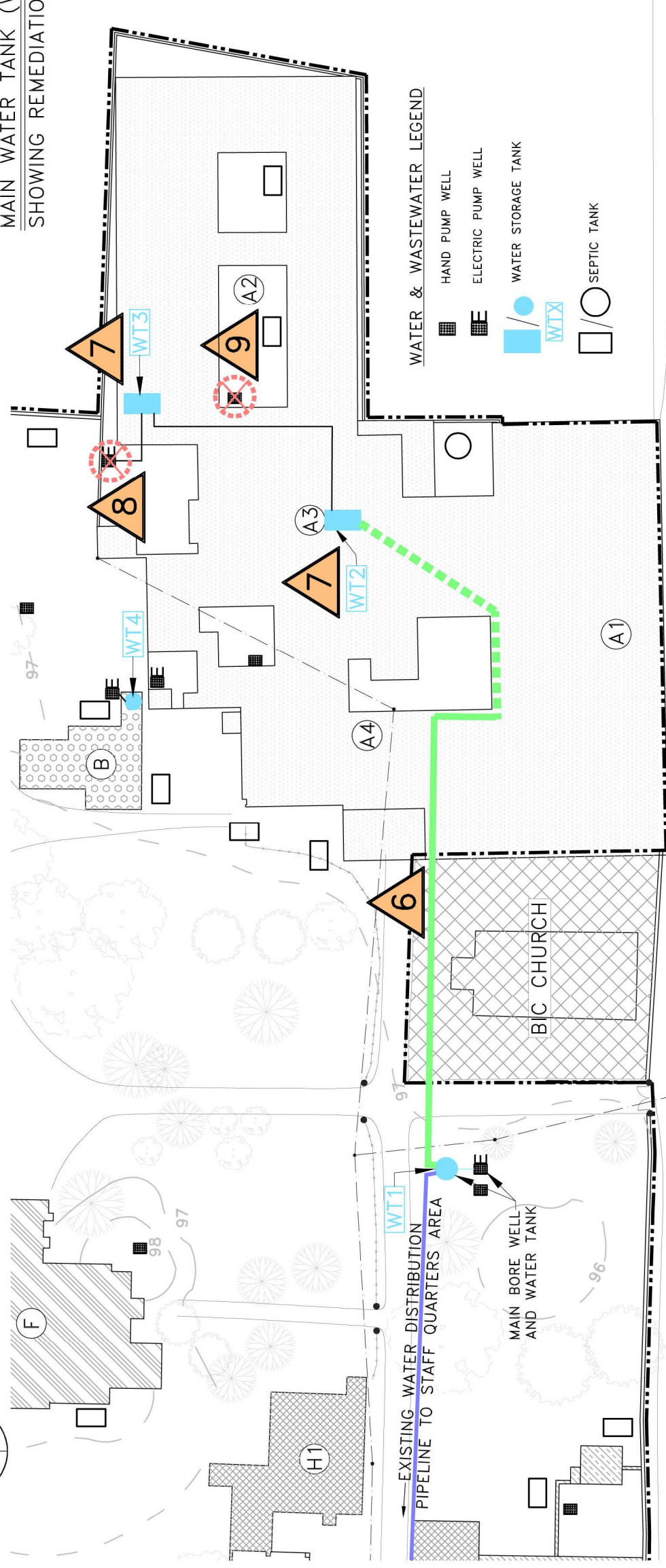
**8** ABANDON HOSPITAL ELECTRIC PUMP WELL – REMOVE THE PIPING FROM THE ELECTRIC PUMP TO THE HOSPITAL WATER TANK WT3 AND ABANDON THE WELL.

**9** ABANDON HOSPITAL HAND PUMP WELL – ADD A NEW TAP FROM THE HOSPITAL WATER TANK SUPPLY TO REPLACE THE HAND PUMP IN THE WARD WEST COURTYARD. ABANDON THIS WELL AND REMOVE THE HAND PUMP.



## MADHIPURA CHRISTIAN HOSPITAL CAMPUS – PARTIAL SITE PLAN INITIAL WATER REMEDIATION PROGRAM

SCALE: 1" = 40'-0"



MAIN WATER TANK (WT1) DIAGRAM  
SHOWING REMEDIATION STEPS

INITIAL WATER REMEDIATION PROGRAM

MADHIPURA CHRISTIAN HOSPITAL  
MISSION ROAD, MADHIPURA 852113 BIHAR

SCALE: 1" = 40'  
0' 40' 80'

PROJECT NUMBER: 8155  
DRAWN BY: MJC  
DRAWING ISSUE: 15 JUL 2009  
REVISION: DATE:  
CHECKED: DATE: MJC 9.7.09  
RLK 13.7.09

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