



- GENERAL NOTES**
1. ALL CLAY CONSULTING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS. SHOULD THERE BE ANY CONFLICTS BETWEEN THE DETAILS INDICATED ON THESE DRAWINGS AND THOSE INDICATED ON OTHER DRAWINGS, CLAY CONSULTING SHALL BE INFORMED PRIOR TO CONSTRUCTION.
  2. ALL DIMENSIONS ARE TO CLAY CONSULTING DRAWINGS, IN EITHER PAPER OR DIGITAL FORM, USE WRITTEN DIMENSIONS ONLY. ALL DIMENSIONS AND LEVELS ARE IN METRES UNLESS OTHERWISE STATED.
  3. UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITY, IT SHALL BE ASSUMED THAT ALL DRAWINGS ISSUED ARE PRELIMINARY AND NOT FOR CONSTRUCTION.
  4. ALL LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A TOPOGRAHY LEVEL SURVEY INFORMATION AND CURRENT EXISTING SERVICES PLANS AND MAPS.
  5. ANY DISCREPANCIES MUST BE REPORTED TO CLAY CONSULTING PRIOR TO THE COMMENCEMENT OR CONTINUANCE OF ANY FURTHER WORKS.
- CONSTRUCTION DESIGN & MANAGEMENT NOTES**
1. CCL are proposed designers as defined in the COM regulations.
  2. The contractor shall ensure that the design and build support and building methodology is used to ensure the permanent works are built as designed and detailed.
  3. CCI will assume a competent and experienced contractor to be employed.
  4. Party wall drawings to be submitted by the contractor administrator to the relevant adjoining neighbour for their approval.
  5. The contractor is responsible for verifying all site levels and setting out dimensions, including soil bulk positions of temporary works, before commencing the works. The contractor must carry out an exact site survey to confirm all final levels and setting out. The contractor must carry out a detailed drawing and any other related document should be notified to the contractor administrator immediately.
  6. All work to be carried out to the satisfaction of the contract administrator.
  7. The contractor is advised to visit the site to satisfy himself regarding the practicability of the works.
- DRAINAGE NOTES**
1. All adoptable sewer works and material to be in accordance with "Sewers for Adoption" 6th Edition. The relevant British/European and Electrical Engineering Council (EEM) standards shall be used.
  2. Manhole covers shall have a clear opening of 600mm and shall be Class D40 BS EN 124 with 150mm deep frames in highway.
  3. Filled ground must be filled and consolidated.
  4. The contractor must carry out a detailed drawing of the works. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab must be fitted above the cover slab to bring the size down to 600x600mm. Please refer to Concrete Pipe Systems (CPS) 2014, Table 10.1, "Kitemarked" issued August 2004 for Kitemarked cover slab opening sizes.
  5. Sewers should be a minimum of 1m and manholes 0.5m from kerb faces at service junctions.
  6. Sewers shall have a minimum 5 metres clearance from trees and hedges. (Also refer to restrictions on tree planting adjacent to Sewers).
  7. Where the cover and frame are made of concrete (with granular bed and surround), Where depth of cover to top of sewer is more than 1.2m in highways and/or (or less than 900mm in non vehicular access areas) then a concrete slab should be provided above the granular bed and surround.
  8. Sewer pipes to be laid in maximum 3 pipe lengths unless there is a specific operational need to lay longer lengths.
  9. Plastic channel sections in manholes are not acceptable and daywires are preferred. Plastic channels are difficult to seal to a watertight and a satisfactory finish cannot be obtained on the benching.
  10. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the additional inlets and bends.
  11. Manholes shall be Type "B" with 1200mm dia or 1500mm dia, rings, with the opening sized over the chamber where depth of cover to pipe to splice is 1-1.5m shall be used.
  12. Size and use of foul rising mains to be provided with marker tape above the rising mains.
    - a. If plastic pipes are to be used then the following should apply:
      - a. All adoptable sewers to be BSI Kitemark (certified to WIS 4-35-01 and BS EN 12408)
      - b. Bedding and backfill material to conform to the requirements of Water Industry Specification 4-08-02 (Table A2)
      - c. Where plastic pipes are proposed, structural calculations for the plastic pipe and the site investigation report to prove that the ground condition is suitable for the plastic pipes are to be produced.
    - d. Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitable sized to accommodate standard lift keys. Screw down covers are not acceptable.
  13. Demarcation chambers to be a min. 450x500mm chamber for 100mm foul & 150mm surface water pipes up to 1.2m depth. For depths greater than 1.2m, restricted access opening to 355mm is required for sewer access.
  14. Maximum depth of demarcation chamber to be 2m, where depth exceeds maximum depth, the cover and frame to be cast concrete.
  15. Sulphate resistant cement (C20-DCE) and precast concrete products must not be used or a laboratory report provided that such precautions are not necessary.
  16. Strength of concrete pipes (if used) to be 40kN/m for 1000, 40kN/m for 1200, 45kN/m for 2250 and 72kN/m for 3000. All concrete pipes to be Class 120 concrete to BS EN 196.
  17. The contractor must allow for any fees required for road and sewer opening permits, sewer connections and make the appropriate application.
  18. The first manhole(s) upstream from the connection to the (existing) public sewer, when constructed, be fitted with a screen in order to prevent any debris entering the sewer. The screen should not be removed until immediately prior to the occupation of premises to be served.

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