**100 Dia. Fresh Air Inlet Connected to Air Ventilation Pipe**

**Plan**

<table>
<thead>
<tr>
<th>Depth From Ground Level to Disconnecting Trap Level (Depth to DTL)</th>
<th>Max. Dia. of Outlet Pipe (D)</th>
<th>Thickness of Wall (TH)</th>
<th>Internal Length (L)</th>
<th>Internal Width (W)</th>
<th>Dia. of Rodding Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>390 &lt; Depth to DTL ≤ 520</td>
<td>150</td>
<td>75</td>
<td>400</td>
<td>180</td>
<td>100</td>
</tr>
<tr>
<td>520 &lt; Depth to DTL ≤ 1,000</td>
<td>150</td>
<td>125</td>
<td>450</td>
<td>450</td>
<td>100</td>
</tr>
<tr>
<td>1,500 Max.</td>
<td>225</td>
<td>150</td>
<td>600</td>
<td>600</td>
<td>150</td>
</tr>
</tbody>
</table>

**Notes:**

1. All dimensions are in millimetres.
2. Used in connections in areas where the working space is not adequate for the construction of terminal manholes type T1_1 & T2_1.
3. Foundation: Foundation of manhole varies with site condition. Therefore, it should be determined on site by the engineer.
4. Concrete mix: Grade 30/20
5. For depth to DTL greater than 520, benching should be provided.
6. For depth to DTL greater than 1,000, details of step irons & cover should be same as terminal manhole type T1_1.
7. Each terminal manhole should be properly air vented in order to avoid building up of gases inside the terminal manhole. The fresh air inlet of the manhole can only be omitted if other acceptable arrangements that serve the purpose of air ventilation are provided in the upstream internal sewerage.

**Terminal Manhole**

**Type T10_1**
SECTION A-A

100 DIA. FRESH AIR INLET CONNECTED TO AIR VENTILATION PIPE

GROUND LEVEL

STAINLESS STEEL CHAIN (NOT SHOWN ON PLAN FOR CLARITY)

STANFORD (CLAY)

RUBBER RINGS

RODDING ARM

D.T.L. 35°~45°

C.I. OR GLAZED FIRECLAY TRAP WITH RODDING ARM

GREATER THAN 75

75 DEEP WATER SEAL

DRAINAGE SERVICES DEPARTMENT

TERMINAL MANHOLE
TYPE T10_1

REFERENCE

DRAWING No.

SCALE

1:10

DS 1094
(SHEET 2 OF 2)