550 SQUARE RECESSED MANHOLE COVER AND FRAME

DRAINAGE SERVICES DEPARTMENT

REFERENCE

DRAWING No.

SCALE

1 : 10

DS 1070C

(SHEET 1 OF 5)
550 SQUARE RECESSED MANHOLE COVER AND FRAME

DRAINAGE SERVICES DEPARTMENT

REFERENCE
DRAWING No.

SCALE 1:10

DS 1070C (SHEET 2 OF 5)
TYPICAL SECTION OF SINGLE SEAL COVER AND FRAME

TYPICAL SECTION OF DOUBLE SEAL COVER AND FRAME

<table>
<thead>
<tr>
<th>DIMENSION LETTER</th>
<th>D</th>
<th>H</th>
<th>T</th>
<th>t</th>
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<tbody>
<tr>
<td>GRADE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L(1A5)</td>
<td>4</td>
<td>50</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>M(1B25)</td>
<td>5</td>
<td>75</td>
<td>5</td>
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FOR GRADE OF MANHOLE COVER, SEE NOTE 9.
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. COVER AND FRAME SHALL BE PRODUCED IN ACCORDANCE WITH GUIDELINES AS LAID OUT IN BS EN124.
4. COVER AND FRAME SHALL BE HOT-DIPPED GALVANIZED TO BS EN1461, OR MATERIAL OF BETTER CORROSION RESISTANCE OR DURABILITY SUCH AS STAINLESS STEEL.
5. ALL WELDS SHALL COMPLY WITH BS 4832.
6. THE EXTERNAL EDGES OF THE COVER AND INTERNAL FACES OF THE FRAME SHALL BE COATED WITH A NON-SETTING, THICK LUBRICANT, SUCH AS PETROLEUM GEL, IN ORDER TO PREVENT JAMMING THE COVER AND FRAMES DUE TO SAND GRAINS ENTERING THE GAP AFTER FINAL FIXING.
7. THE RECESSED COVER IS DESIGNED TO ACCOMMODATE PAVING BLOCK UP TO A MAXIMUM THICKNESS OF 80mm. FOR AREAS USED BY PEDESTRIAN CYCLISTS (i.e. LIGHT DUTY), THE INFILLING SHALL BE 10mm WEARING COURSE BITUMINOUS MATERIALS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
8. THE PAVING BLOCK WITHIN THE RECESSED COVER SHALL BE BURIED ON SAND OR CEMENT MORAR. SAND SHALL BE APPLIED TO THE WHOLE COVER WITH COMPACTION.
9. ABBREVIATION OF TYPE AND GRADE OF MANHOLE COVER SHOULD BE ENGRAVED ON THE COVER AS FOLLOWS:

<table>
<thead>
<tr>
<th>ABBREVIATION</th>
<th>INDICATION</th>
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<tr>
<td>FOU</td>
<td>FOUL SEWER</td>
</tr>
<tr>
<td>STORM</td>
<td>STORMWATER DRAIN</td>
</tr>
<tr>
<td>L</td>
<td>LIGHT DUTY (A15) - FOR AREA USED BY PEDESTRIANS AND PEDESTRIAN CYCLISTS ONLY.</td>
</tr>
<tr>
<td>M</td>
<td>MEDIUM DUTY (B125) - FOR FOOTWAYS, PEDESTRIAN AREAS, CAR PARKS AND AREAS WHERE THERE MIGHT BE SLOW-MOVING EMERGENCY VEHICLE, SERVICES AND DELIVERY VEHICLES AND REFUSE COLLECTION VEHICLES ETC.</td>
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</tbody>
</table>

10. THE STANDARD 675 SQUARE RECESSED MANHOLE COVER AND FRAME UNDER DSD STANDARD DRAWING NOS. DS1084 AND DS1085 SHOULD BE ADOPTED FOR ALL NEW RECESSED MANHOLE COVERS. FOR EXISTING MANHOLE COVERS, THE MAINTENANCE AUTHORITY SHOULD IMPLEMENT A REPLACEMENT PROGRAMME FOR THE NEW 675 SQUARE RECESSED MANHOLE COVERS. THE TEMPORARY USE OF 550 SQUARE RECESSED MANHOLE COVER AND FRAME SHALL BE APPROVED BY THE MAINTENANCE AUTHORITY.

C | DETAIL '3', NOTE 7 & 9 REVISED ORIGINAL SIGNED 29.10.2010
B | NOTE 10 ADDED & TITLE AMENDED ORIGINAL SIGNED 24.10.2007
A | TITLE AMENDED ORIGINAL SIGNED 4.10.2007
NEW ISSUE ORIGINAL SIGNED 6.2.2002
REV. | DESCRIPTION | SIGNATURE | DATE

550 SQUARE RECESSED MANHOLE COVER AND FRAME

DRAINAGE SERVICES DEPARTMENT

REFERENCE | DRAWING NO.
SCALE | DS 1070C
1 : 2 OR AS SHOWN | ( SHEET 5 OF 5 )