

Drainage Services Department
Technical Circular No. 3/2007

Use of New 675mm x 675mm
Ductile Iron Manhole Cover and Frame

Introduction

Drainage Services Department has reviewed the size of manhole opening and concluded that the opening should be increased to 675mm x 675mm to facilitate more space for efficient working.

Scope

2. The purpose of this Circular is to promulgate the use of new 675mm x 675mm ductile iron (DI) manhole covers for both new and existing manholes. A list of new DSD Standard Drawings for the new manholes, DI manhole cover and frame is attached in Appendix A.

Effective Date

3. This Circular shall take immediate effect.

New Contracts

4. The new manhole design shall be adopted in all new works. The existing smaller-size manhole covers within the excavation limits of the new works shall also be replaced. The project engineer may consider creating a Cat.

D item for the funding of replacement of existing manhole covers if the amount of works involved is substantial.

Existing Contracts

5. For contracts already commenced before the issue of this Circular, the Engineer of the Contract should issue variation to adopt the new manhole design, unless such variation or abortive works involved would cause serious time and financial implications to the Contract or undue disruption to the public. In this case, the agreement of the respective Assistant Director should be sought to exempt the whole or part of the works from this requirement.

Existing Smaller-size Manhole Covers in Other Areas

6. For the existing manhole covers, the maintenance authority should implement a replacement programme for the new DI manhole covers in the coming years to upgrade the manholes in a scheduled manner.

Enquiries

7. Enquiries on this Circular should be directed to SE/R&D, Land Drainage Division.



(C K WONG)

Director of Drainage Services

APPENDIX A

New DSD Standard Drawings on the use of new Standard 675 Square Double Triangular Ductile Iron Manhole Cover and Frame, Class E 600

Drawing No.	Title
DS 1076 or its newer version	General Notes for Ductile Iron (D.I.) Manhole Cover and Frame
DS 1077 or its newer version	Standard 675 Square Double Triangular Ductile Iron Manhole Cover and Frame, Class E 600
DS 1078 or its newer version	Standard Manhole Type C1
DS 1079 or its newer version	Standard Manhole Type D1
DS 1080 or its newer version	Standard Manhole Type E1
DS 1081 or its newer version	Standard Manhole Type F1
DS 1082 or its newer version	Standard Manhole Type G1 (without desilting opening)
DS 1083 or its newer version	Standard Manhole Type G1 / D (with desilting opening)