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**VOLUME 5    CONTRACT DOCUMENTS  
FOR SPECIALIST  
ACTIVITIES**

**SECTION 8    TRENCHLESS  
INSTALLATION OF  
HIGHWAY DRAINAGE  
AND SERVICE DUCTS**

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**PART 1**

**SD 14/00**

**IMPLEMENTATION STANDARD FOR  
TRENCHLESS INSTALLATION OF  
HIGHWAY DRAINAGE AND SERVICE  
DUCTS**

**INTRODUCTION**

This Standard introduces the Specification, Notes for Guidance, and Method of Measurement for Trenchless Installation of Highway Drainage and Service Ducts for trunk road contracts in the UK.

**INSTRUCTIONS FOR USE**

This is a new document to be incorporated into the Manual.

1.    Add Parts 1, 2, 3 and 4 to Section 8 of MCHW 5.
2.    Archive this sheet as appropriate

Note: A quarterly index with a full set of Volume Contents Pages is available separately from The Stationery Office Ltd.



**THE HIGHWAYS AGENCY**



**THE SCOTTISH EXECUTIVE DEVELOPMENT  
DEPARTMENT**



**THE NATIONAL ASSEMBLY FOR WALES  
CYNULLIAD CENEDLAETHOL CYMRU**



**THE DEPARTMENT FOR REGIONAL DEVELOPMENT\***

# **Implementation Standard for Trenchless Installation of Highway Drainage and Service Ducts**

\* A Government Department in Northern Ireland

**Summary:**

This Standard introduces the Specification, Notes for Guidance, and Method of Measurement for Trenchless Installation of Highway Drainage and Service Ducts for trunk road contracts in the UK.

REGISTRATION OF AMENDMENTS

Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments

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1. Introduction and Implementation
2. References
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# 1. INTRODUCTION AND IMPLEMENTATION

## General

1.1 This Standard introduces the documentation for the specialist activity of trenchless installation of highway drainage and service ducts. These documents are to be used in the preparation of contracts for the construction, improvement or maintenance of trunk roads including motorways in England, Scotland, Wales and Northern Ireland (in Northern Ireland the documents will be applicable to those roads designated by the Overseeing Organisation).

1.2 The Specification (MCHW 5.8.2), Notes for Guidance (MCHW 5.8.3) and Method of Measurement (MCHW 5.8.4) have been drawn up for use with MCHW 1, 2 and 4 but where the requirements of MCHW 5.8 differ from those in MCHW 1, 2 or 4, MCHW 5.8 shall take precedence.

## Scope

1.3 Trenchless construction for underground services has been proved to be technically and economically viable. The technology is designed for services that are generally too small to permit man entry, ie below 900 mm diameter. The technique is useful in trunk road contracts where there is a need to install, replace or renovate an underground service.

1.4 The documents in Parts 2, 3 and 4 provide a Specification complete with Notes for Guidance and Method of Measurement, for the installation of highway drainage pipes and service ducts using the technique as a specialist activity. This covers all types of pipes with internal diameters up to and including 900 mm involving drainage and other service installations, including any surface and sub-surface drainage systems to which the technique is relevant. Pipes and conduits exceeding 900 mm in diameter are classified as structures requiring technical approval and are outside the scope of this document.

## Implementation

1.5 This Standard (MCHW 5, Section 8, Part 1 and accompanying Parts 2, 3 and 4) should be used forthwith for all schemes currently being prepared, provided that, in the opinion of the Overseeing Organisation, this would not result in significant additional expense or delay.

## 2. REFERENCES

### 2.1 Manual of Contract Documents for Highway Works

Volume 1: Specification for Highway Works

Volume 2: Notes for Guidance on the Specification for Highway Works

Volume 4: Bills of Quantities for Highway Works

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