



Bonneagar Iompair Éireann  
Transport Infrastructure Ireland

## TII Publications



---

# Notes for Guidance on the Specification for Road Works Series NG 200 - Site Clearance

**CC-GSW-00200**

December 2010

## About TII

Transport Infrastructure Ireland (TII) is responsible for managing and improving the country's national road and light rail networks.

## About TII Publications

TII maintains an online suite of technical publications, which is managed through the TII Publications website. The contents of TII Publications is clearly split into 'Standards' and 'Technical' documentation. All documentation for implementation on TII schemes is collectively referred to as TII Publications (Standards), and all other documentation within the system is collectively referred to as TII Publications (Technical). This system replaces the NRA Design Manual for Roads and Bridges (NRA DMRB) and the NRA Manual of Contract Documents for Road Works (NRA MCDRW).

## Document Attributes

Each document within TII Publications has a range of attributes associated with it, which allows for efficient access and retrieval of the document from the website. These attributes are also contained on the inside cover of each current document, for reference. For migration of documents from the NRA and RPA to the new system, each current document was assigned with new outer front and rear covers. Apart from the covers, and inside cover pages, the documents contain the same information as previously within the NRA or RPA systems, including historical references such as those contained within NRA DMRB and NRA MCDRW.

## Document Attributes

<b>TII Publication Title</b>	<i>Notes for Guidance on the Specification for Road Works Series NG 200 - Site Clearance</i>
<b>TII Publication Number</b>	<i>CC-GSW-00200</i>

<b>Activity</b>	<i>Construction &amp; Commissioning (CC)</i>
<b>Stream</b>	<i>Guidance on Specification for Works (GSW)</i>
<b>Document Number</b>	<i>00200</i>

<b>Document Set</b>	<i>Standards</i>
<b>Publication Date</b>	<i>December 2010</i>
<b>Historical Reference</b>	<i>Series NG 200</i>

## NRA DMRB and MCDRW References

For all documents that existed within the NRA DMRB or the NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number. For the equivalent TII Publication Number for all other historical references contained within this document, please refer to the TII Publications website.

---

# ***SITE CLEARANCE***

## *Contents*

---

<i>Clause</i>	<i>Title</i>	<i>Page</i>
NG 201	Clearing.....	2
NG 203	Explosives and Blasting.....	2
NG 204	Hazardous Materials.....	2
NG	Sample Appendices.....	3

## Site Clearance

### NG 201 Clearing

- 1 The following documents should be consulted and guidelines followed where applicable:
  - NRA Guidelines for the Management of Waste from National Road Construction Project
  - NRA Guidelines for the Protection and Preservation of Trees, Hedgerows and Scrub Prior to, during and Post Construction of National Road Schemes
  - NRA Guidelines for the Treatment of Badgers Prior to the Construction of a National Road Scheme
  - NRA Guidelines for the Treatment of Bats during the Construction of National Road Schemes
  - NRA Guidelines for the Crossing of Watercourses during the Construction of National Road Schemes
- 2 A schedule of buildings and structures to be demolished or partially demolished should be included in Appendix 2/1. The locations should be indicated in the Appendix and clearly marked on the works requirements drawings (with reference numbers for cross identification with the Bill of Quantities where appropriate). Parts of buildings such as foundations below ground which are to be removed (as an earthworks operation) should be indicated as such on the drawings in the Contract.
- 3 Generally, disused soil and surface water pipes over 1m depth below formation should be left undisturbed, and need only be sealed as specified. There will, however, be occasions, particularly with the larger pipes (say 375 mm diameter and over) and when there is evidence of possible collapse, when it may be considered that steps should be taken to avoid any subsidence. In this case the alternatives include:
  - (i) Excavation to remove pipe and refill trench with suitable material;
  - (ii) Sealing with concrete in accordance with Series 500.Requirements should be stated in Appendix 2/2, when necessary.
- 4 Where the general site clearance item is to be used in the Bill of Quantities the works requirements drawings should include a plan indicating by shading or hatching the area(s) to be measured as general site clearance.

Where sections of site clearance are markedly different in character, e.g. woodland, these should be separately identified.

- 5 The works requirement drawings should clearly indicate any area of grassland or woodland, individual tree or shrub, required to be preserved, e.g. for landscaping purposes or because of Tree Preservation Orders.
- 6 Whilst the recovery of existing material is generally uneconomical, there are occasions (generally with reconstruction or small improvement schemes) when it may be required, particularly when it is not the property of the Employer. In such cases, the materials should be scheduled in Appendix 2/3.

Appendix 2/3 should include a list of materials which are to be retained and stored by the Contractor for re-use on the Site, or delivered to a store nominated in the Appendix for future use elsewhere.

### NG 203 Explosives and Blasting

- 1 Where blasting for demolition of structures or removal of tree stumps is to be permitted, details should be given in Appendix 2/4. This should include, or refer as necessary to, guidance on the Local Authority's requirements for control of noise and vibration given in Appendix 1/9. Further guidance is given in NG Series 600.

### NG 204 Hazardous Materials

- 1 Where site clearance could involve the handling and disposal of hazardous materials (e.g. asbestos) discussions should be held with the Local Authority and/or the Health and Safety Authority and include in Appendix 2/5 (as a guide) measures which would be acceptable to them.

## NG Sample Appendices

### NG SAMPLE APPENDIX 2/1: LIST OF BUILDINGS, ETC., TO BE DEMOLISHED OR PARTIALLY DEMOLISHED

*[Note to compiler: List the buildings and structures to be demolished or partially demolished together with any further requirements including underground structures to be removed.]*

<i>Address</i>	<i>Description</i>	<i>Drawing No.</i>	<i>Ref No.</i>	<i>Requirements</i>

*[The column headed 'Requirements' is available for including such instructions as:]*

- (i) Restrictions on when buildings, etc. can be demolished or partially demolished.
- (ii) Any particular precautions to be taken during demolition.
- (iii) Extent of demolition.
- (iv) Method of filling voids.
- (v) Material to be retained.
- (vi) Treatment of adjoining properties, waterproofing, etc.
- (vii) Identification to any hazardous materials, cross referenced to Appendix 2/5.

## NG SAMPLE APPENDIX 2/2: FILLING OF TRENCHES AND PIPES

*[Note to compiler: If it is wished to vary the requirements of sub-Clause 201.4, state the particulars in this Appendix. Examples are:]*

- (i) Removal of pipes, services, etc. over 1 m below formation.
- (ii) Filling of pipes over 1 m below formation.
- (iii) Backfilling of trenches.
- (iv) Retention of pipes, services, etc. within 1 m of formation.

**NG SAMPLE APPENDIX 2/3: RETENTION OF MATERIAL ARISING FROM SITE CLEARANCE**

*[Note to compiler: The following is a list of more common materials arising from site clearance and should be amended and developed as appropriate.]*

Description	Location	Delivered to:	Requirements
Kerbs, quadrants Paving Setts Chamber covers Gully gratings and frames Gates and Fencing Safety fence components Traffic signs Bollards Road studs Traffic signals Road lighting columns Lanterns Electrical equipment Communications equipment Cables Timber arising from trees			

*[The column headed 'Requirements' is available for including such instructions as:]*

- (i) Disconnection of electrical supplies.
- (ii) Transportation of equipment.
- (iii) Stacking/storage of material.
- (iv) Reinstatement of voids left by removal of equipment.

## **NG SAMPLE APPENDIX 2/4: EXPLOSIVES AND BLASTING**

*[Note to compiler: Insert the following text as appropriate, amended and extended as required:]*

- 1 The Contractor's attention is drawn to the measures for the control of noise and vibration which are included in Appendix 1/9.
- 2 Explosives shall not be used, except in the following locations; subject to the stated conditions



## **NG SAMPLE APPENDIX 2/5: HAZARDOUS MATERIALS**

*[Note to compiler: Insert the following text extended as required:]*

The Local Authority has informally agreed that the following measures would be acceptable for the handling and disposal of hazardous material found in site clearance, and these are given here as a guide.



Bonneagar Iompair Éireann  
Transport Infrastructure Ireland



Ionad Ghnó Gheata na  
Páirce,

Stráid Gheata na Páirce,  
Baile Átha Cliath 8, Éire



Parkgate Business Centre,  
Parkgate Street,  
Dublin 8, Ireland



[www.tii.ie](http://www.tii.ie)



[info@tii.ie](mailto:info@tii.ie)



+353 (01) 646 3600



+353 (01) 646 3601