

# **IMPLEMENTATION SPECIFICATION FOR ROAD** **WORKS**

## **NA SERIES IM/600**

### **NUMBERED APPENDICES IM/6/1, IM/6/2, IM/6/7**

### **EARTHWORKS**



*This Specification Series implements the requirements in  
Subsidiary Legislation 499.57, Part II (New Roads and Road  
Works Regulations) in accordance with the Agency for  
Infrastructure Malta ACT XXVIII, CAP. 588, Part I*

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600 IM APPENDIX 6/1 – PERMITTED EARTHWORKS MATERIALS – OPTIMUM MOISTURE CONTENT

Class	General material description	Typical use	Property	Acceptable optimum moisture content	
				Lower	Upper
1A	Well graded granular material	General Fill		OMC -5	OMC +4
1B	Uniformly Graded granular material	General Fill		OMC -4	OMC +3
1D	Well graded granular material	General Fill		OMC -5	OMC +4
4	General	Fill to landscape areas			
5A	Topsoil	Topsoiling		-	-
5B	Imported topsoil	Topsoiling		-	-
6F1 / 6F4	Selected granular material (fine grading)	Capping		OMC -2	At optimum
6F2 / 6F5	Selected granular material (coarse grading)	Capping		OMC -2	At optimum
6G	Selected granular material	Gabion filling			
6H	Selected granular material	Drainage Layer to reinforced soil and anchored earth structures	mc	OMC -2	OMC
6I	Selected well graded granular material	Fill to reinforced soil and anchored earth structures	mc	OMC -2	OMC
6J	Selected uniformly graded granular material	Fill to reinforced soil and anchored earth structures	mc	OMC -2	OMC
6K	Selected granular material	Lower Bedding for Corrugated Steel Buried Structures			
6L	Selected uniformly graded granular material	Upper Bedding for Corrugated Steel Buried Structures			
6M	Selected granular material	Surround to Corrugated Steel Buried Structures			

6N	Selected well graded granular material	Fill to structures	Undrained shear parameters	C' = 0	OMC
			Effective angle of internal friction and effective cohesion	Phi' = 40°	
			permeability	4 x 10 <sup>-5</sup> m/s	
			mc	OMC – 2.5%	
6Q	Well graded or uniformly graded or coarse granular material	Overlying fill for corrugated steel buried structures			
6S	Selected well graded granular material	Filter layer below subbase			

**601 IM APPENDIX 6/2 - REQUIREMENTS FOR DEALING WITH CLASS U2 UNACCEPTABLE MATERIAL**

- 1 The extent of excavation of known Class U2 Material will be shown on the Drawings.
- 2 The Contractor shall seek and obtain any consents, as necessary for the disposal of Class U2 material arising from the Works. This shall include the all the environmental requirements in respect of handling and suitability as to satisfactory disposal sites and the form of any mounding or filling as provided by legislation and as may be directed by the Planning Authority, Environment and Resources Authority and Ambjent Malta.  
  
The Contractor will make this information available to the Overseeing Organisation.
- 3 A list of known hazardous Class U2 materials likely to be encountered will be provided by the Contractor in respect of each scheme.  
  
Pre-agreed requirements of the Planning Authority, Environment and Resources Authority and Ambjent Malta as to the methods of excavation, precautions and requirements for handling will be provided where these are known by the Overseeing Organisation.

**602 IM APPENDIX 6/7 - SUB-FORMATION AND CAPPING AND PREPARATION AND SURFACE TREATMENT OF FORMATION**

- 1 Location and extent of Capping will be shown on the Drawings or as directed by the Overseeing Organisation.  
  
Capping materials shall be one of the following:
  - a) 6F1 / 6F4 or
  - b) 6F2 / 6F5
 Capping shall consist of one class of capping material.

The Contractor shall provide a demonstration area of not less than 100 m<sup>2</sup>, at a location agreed by the Overseeing Organisation. The Contractor will be expected to demonstrate that the methods, equipment and material conform to the specified requirements.