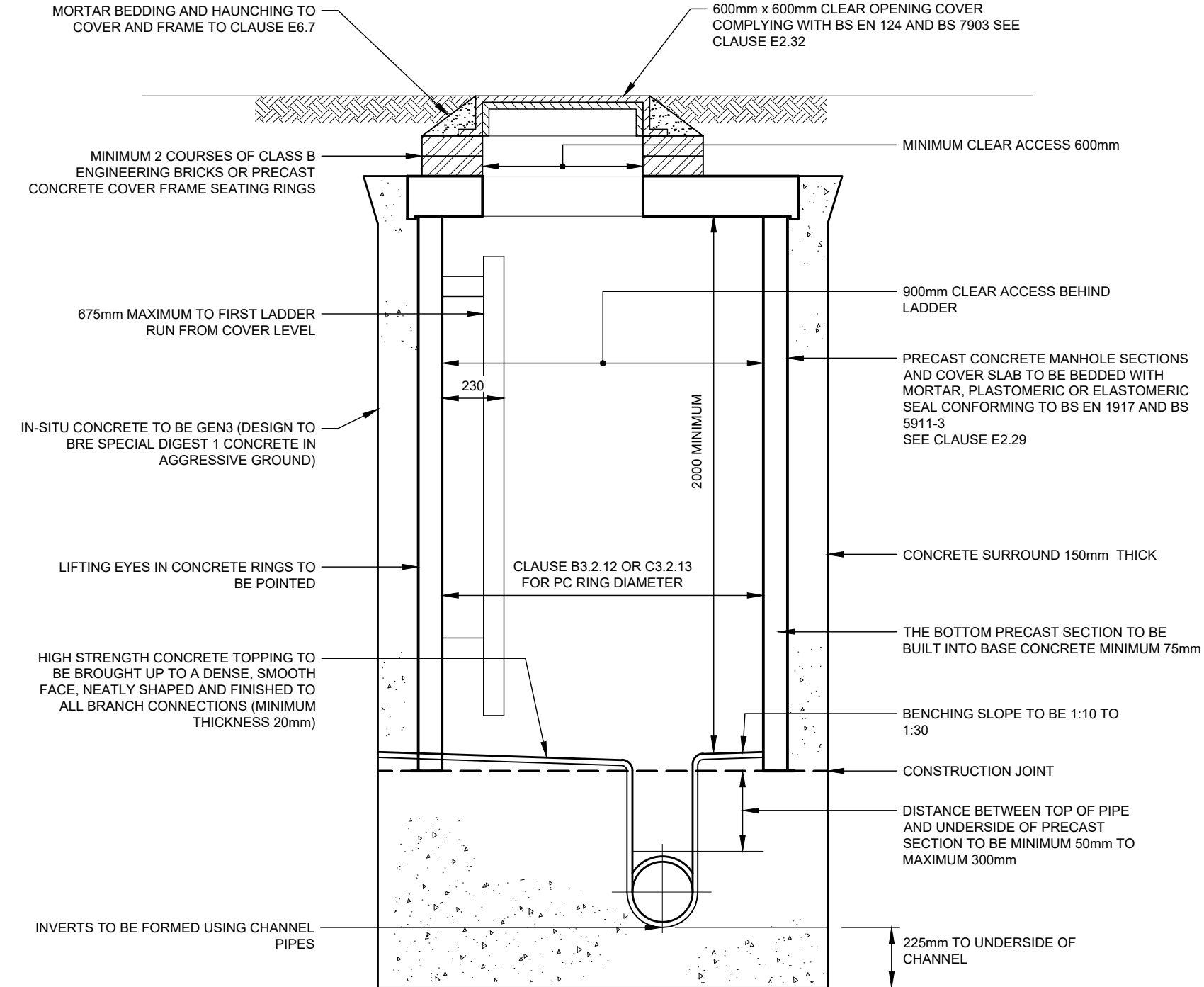
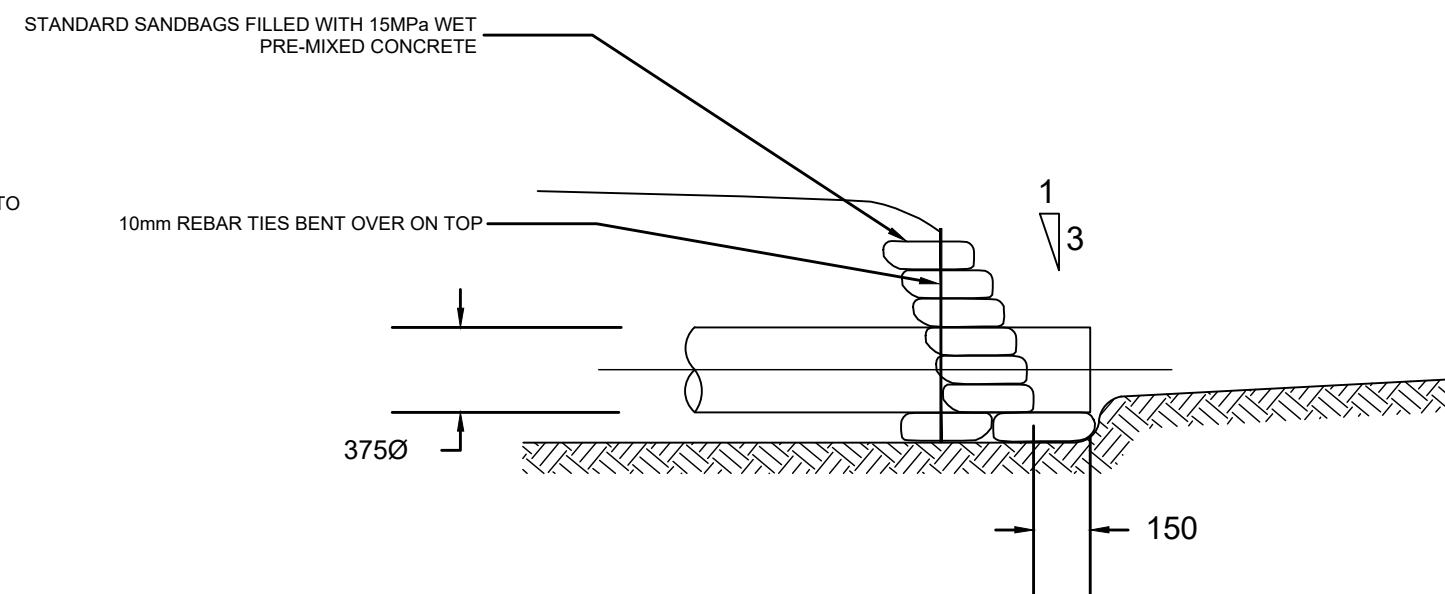




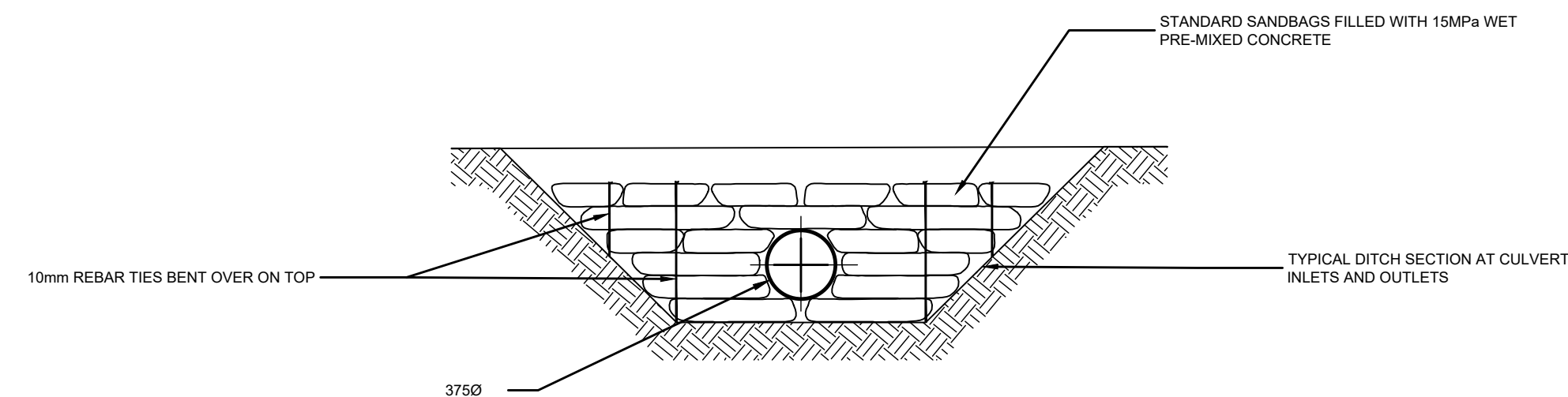
SEATING RING DATA

NOMINAL DIAMETER (mm)	MAXIMUM EFFECTIVE LENGTH (m)
150 - 600	0.6
601 - 750	1.00
OVER 750	1.25

TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES



TYPICAL SECTION THROUGH BAGWORK HEADWALL



TYPICAL SECTION THROUGH BAGWORK HEADWALL

The diagram illustrates a cross-section of a road structure. At the top, the 'VERGES' and 'CARRIAGEWAY AND FOOTPATH' are indicated. The road surface consists of 'PAVEMENT CONSTRUCTION' and 'FORMATION LEVEL'. Below the pavement is a 'CAPPING LAYER MATERIAL'. The base of the road is composed of 'GRANULAR MATERIAL TO SPECIFICATION FOR HIGHWAY WORKS CLAUSE 503.3(i)'. The diagram also shows 'GENERAL APPROVED FILL' and 'SELECTED APPROVED FILL' on the left side. A circular inset shows a cross-section of a pipe or culvert with labels 'BC' and 'D'. Dimensions include '300(MIN)' for the height of the capping layer, '1/2 BC' for the height of the granular material, and 'V' for the vertical distance from the top of the granular material to the bottom of the capping layer. A 'DEPTH OF COVER' dimension is shown on the right side.

DESIGN D1 (UNDER VERGES - >900 COVER)
DESIGN D2 (UNDER CARRIAGEWAYS - >1200 COVER)



1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MANUAL FOR CONTRACT DRAWINGS, VOLUME 1, SPECIFICATION FOR HIGHWAY WORKS, HAMPSHIRE COUNTY COUNCIL SPECIFICATION "SEWERS FOR ADOPTION 7TH EDITION" A DESIGN GUIDE FOR DEVELOPERS AND ALL OTHER RELATED DRAWINGS ISSUED.
2. ALL SECTION 140 DRAINAGE WORKS TO BE ADOPTED IN ACCORDANCE WITH THE WATER AUTHORITIES ASSOCIATION PUBLICATION "SEWERS FOR ADOPTION: A DESIGN AND CONSTRUCTION GUIDE FOR THE DEVELOPER" 7th EDITION. ALL GULLY GULLY DRAINS TO BE IN ACCORDANCE WITH THE HAMPSHIRE COUNTY COUNCIL HIGHWAY STANDARD DETAILS IN ASSOCIATION WITH THE DETAILS SHOWN ON THIS DRAWING
3. MANHOLE CHANNEL INVERTS TO HAVE A GRADIENT NOT LESS THAN THAT OF THE OUTGOING PIPE.
4. THE CENTRELNE OF THE MANHOLE IS NOT NECESSARILY COINCIDENTAL WITH THE CENTRELNE OF THE MAIN PIPE.
5. POSITION OF MANHOLE COVER SLAB AND STEP RUNGS TO BE DIRECTED ON SITE.
6. WHERE PIPES OF DIFFERENT DIAMETERS ARE BUILT INTO THE MANHOLE, THEY SHOULD BE LAID TO COMMON SOFFIT UNLESS OTHERWISE STATED.
7. MINIMUM GULLY PIPE GRADIENT TO BE 1:80.
8. WHERE A SEWER IS 150mm Ø ALL CONNECTIONS AT MANHOLES TO BE MADE USING BOLLARD CHANNEL JOINTS WITH CHANNEL CHANNEL ENLARGER BENDS AS NECESSARY.
9. AT SIGNIFICANT CHANGES IN DIRECTION, THE LARGEST PRACTICAL RADIUS OF CHANNEL JOINTS SHALL BE USED.
10. ALL MORTAR TO BE CLASS 1 UNLESS NOTED OTHERWISE.
11. BRICKS TO BE ENGINEERING CLASS B TO BS EN 771-1, LAID IN ENGLISH BOND ON CLASS 1 MORTAR TO CLAUSE 2404, SPECIFICATION FOR HIGHWAY WORKS. ANY OVER EXCAVATION TO BE MADE GOOD.
12. CONNECTIONS TO CARRIER DRAINS TO BE BY MEANS OF "Y" JOINTS UNLESS OTHERWISE AGREED WITH ADOPTING AUTHORITY.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
14. FINISH TO INTERNAL CONCRETE TO BE F1 ON FORMED SURFACES OR U2 ON UNFORMED SURFACES.
15. ALL TESTING TO BE CARRIED OUT AT THE CONTRACTORS EXPENSE. ALL INSPECTION TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND HAMPSHIRE COUNTY COUNCIL REQUIREMENTS.
16. ALL ADAPTABLE MANHOLE COVERS TO BE BAGGED WITH LOGOS WHERE REQUIRED. EMBOSSED STANTON INTERLAX 150mm DEEP SUPPLIED BY BIRCHBORO OR SIMILAR APPROVED. SEE TABLE FOR ACCESS COVERS TO BE LAID ON EPOXY MORTAR.
17. PERMITTED MATERIAL FOR PIPES ARE SHOWN IN PART E. SEWERS FOR ADOPTION 7TH EDITION.
18. ALL CONCRETE AND CONCRETE PRODUCTS TO BE SULPHATE RESISTING

TENDER
ISSUE

Rev	Amendments	Dm	Chk	App
				Date



Job Title

WOODCROFT FARM, HAVANT
PHASE 1A

Drawing Title

ADOPTABLE DRAINAGE
CONSTRUCTION DETAILS

Client

 Linden
HOMES

Scale NTS @A1	Date MARCH 18	Designed	
Drawn MA	Checked ND	Approved LH	
Job No 17-110	Drawing No 17-110/2012		Rev