

RECOMMENDATIONS. ADDITIONAL LAYER OF BITUMINOUS PROTECTION (TO BE APPLIED ON TOP OF PROPRIETARY WATERPROOF MEMBRANE SYSTEM) TO BS 594-1 RECIPE TYPE F SURFACE COURSE MIXTURE DESIGNATION 0/2, EXCEPT 5% (+/- 0.5%) OF THE TOTAL MIX SHALL BE INORGANIC RED OXIDE. ALL WORKS TO ACCORD WITH SERIES 2000, SPECIFICALLY CL 2003, OF MCHW1.

ROAD FORMATION

SIDE WALLS OF EXCAVATION TO BE BENCHED AS SHOWN AND NO STEEPER THAN 1:1 (45°) UP TO THE FORMATION LEVEL OF THE ROAD IN ACCORDANCE WITH 'TRENCH CONDITIONS' OF DMRB BD 31/01 CL 5.1.

PRE-CAST CONCRETE BOX CULVERT
SECTION SIZE: 2400mm WIDE x 1800mm DEEP (INTERNAL DIMENSIONS), STRICTLY INSTALLED AND FULLY JOINTED IN ACCORDANCE WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

MIN. 50mm THICK BLINDING LAYER OF DRY SAND / CEMENT (CEMENT PROPORTION 200kg/m³).

FORMATION TO BE WELL COMPACTED (PROOF ROLLED) IN ACCORDANCE WITH CLAUSE 616 AND THE REQUIREMENTS OF TABLE 6/4 OF MCHW1. ALL SOFT SPOTS AND VOIDS SHALL BE REMOVED BEFORE CONSTRUCTION AND REPLACED WITH EITHER TYPE 1 GRANULAR SUB-BASE MATERIAL OR TYPE 6F1 CAPPING MATERIAL.

MIN. 150mm THICK BEDDING LAYER OF TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 MCHW1, FULLY WRAPPED IN NON-WOVEN GEOTEXTILE, TERRAM 1000 OR SIMILAR, WITH MIN. 300mm LAPS.

ALL OTHER SURFACES OF THE CONCRETE CULVERT WHICH ARE IN CONTACT WITH EITHER SOIL, BACKFILL OR BEDDING MATERIAL, TO BE WATERPROOFED IN ACCORDANCE WITH THE REQUIREMENTS FOR BELOW GROUND CONCRETE SURFACES TO SERIES 2000 MCHW1, SPECIFICALLY CL 2004 AND 2006 (SUITABLE PRIMER WITH EITHER 2 COATS OF TAR OR CUT-BACK BITUMEN).

MIN. 300mm THICK OF TYPE 6N OR 6P BACKFILL MATERIAL TO SIDES OF CULVERT AND MIN. 250mm ABOVE CULVERT IN ACCORDANCE WITH MCHW1 CL 610 (TABLE 6/1), COMPACTED IN ACCORDANCE WITH CL 612 (TABLE 6/4).

FULL DEPTH ROAD CONSTRUCTION AS SPECIFIED

PUBLIC FOOTPATH (PAVEMENT CONSTRUCTION TBC)

150mm TOPSOIL (TO LANDSCAPE ARCHITECT'S SPECIFICATION).

PRE-CAST CONCRETE BOX CULVERT SECTION SIZE: 2400mm WIDE x 1800mm DEEP (INTERNAL DIMENSIONS), STRICTLY INSTALLED AND FULLY JOINTED IN ACCORDANCE WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

200mm THICK BRICK PARAPET WALL ABOVE CONCRETE WING WALL EXTENT. REFER TO SECTION 1-1.

SIDES OF WATERCOURSE TO BE RE-PROFILED (TEMPORARILY SHUTTERED AND WELL CONCRETED) TO MATCH GRADE TO MATCH THAT OF THE EXISTING WATERCOURSE UP TO THE TOP OF EXISTING BANK. GRADIENT FROM TOP OF EXISTING BANK TO PROPOSED PUBLIC FOOTPATHS TO BE 1:3 OR SHALLOWER.

200mm THICK RC28/35 CONCRETE WING WALL HEIGHT/WIDTH DETERMINED BY EARTHWORKS SLOPE TO PROPOSED PUBLIC FOOTPATHS. REFER TO EXTERNAL LEVELS DRAWINGS.

ALL OTHER SURFACES OF THE CONCRETE CULVERT WHICH ARE IN CONTACT WITH EITHER SOIL, BACKFILL OR BEDDING MATERIAL, TO BE WATERPROOFED IN ACCORDANCE WITH THE REQUIREMENTS FOR BELOW GROUND CONCRETE SURFACES TO SERIES 2000 MCHW1, SPECIFICALLY CL 2004 AND 2006 (SUITABLE PRIMER WITH EITHER 2 COATS OF TAR OR CUT-BACK BITUMEN).

TYPICAL ROAD CROSSING WATERCOURSE CULVERT WING WALL ELEVATION

(SCALE 1:50@A1)

[illegible]

HEIGHT DETERMINED BY EARTHWORKS SLOPE TO PROPOSED PUBLIC FOOTPATHS. REFER TO EXTERNAL LEVELS DRAWINGS.

1100

600 (TO TOP OF CONCRETE)

3000

75 KICKER

TOC
22.489 (UPSTREAM)
22.442 (DOWNSTREAM)

300

UOC
22.189 (UPSTREAM)
22.142 (DOWNSTREAM)

150 200 950

1300

NOTES

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1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
2. ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
3. ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
5. THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
6. MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONSTRUCTION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
7. IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SOIL. NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

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