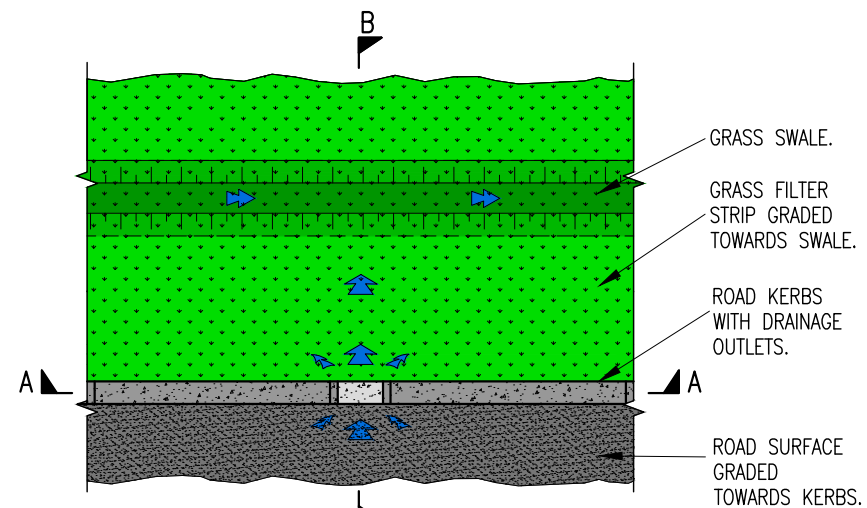
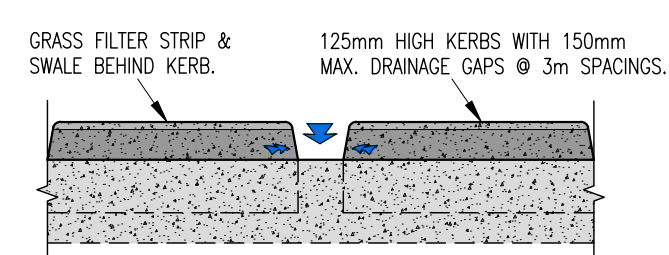


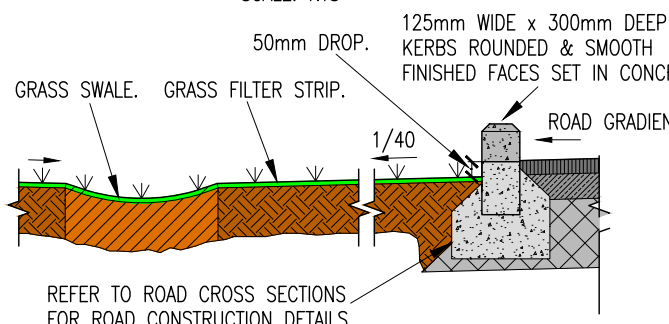
SCHEMATIC LAYOUT  
SCALE: N.T.S.



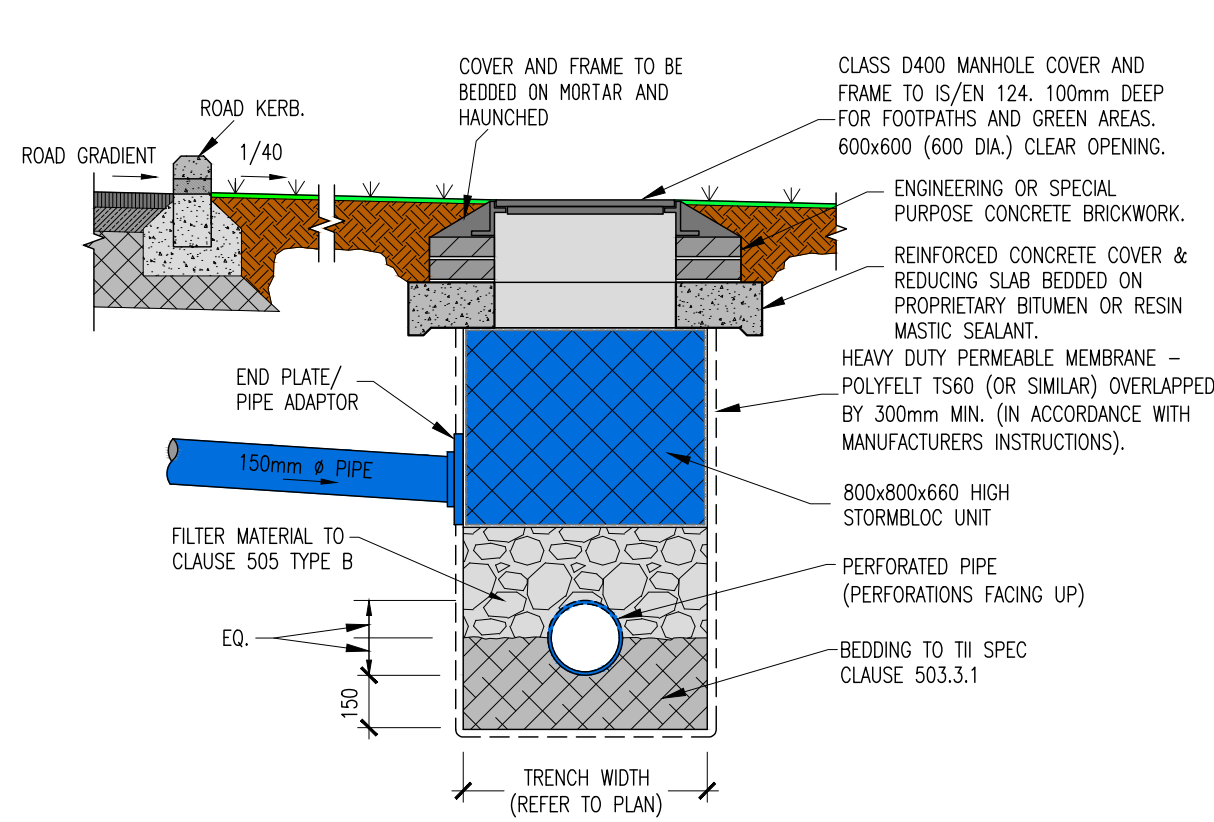
PLAN  
SCALE: N.T.S.



SECTION A-A  
SCALE: N.T.S.



SECTION B-B  
SCALE: N.T.S.



GULLY CONNECTION TO FILTER DRAIN  
SCALE: N.T.S.

ON ORIGINAL

0 5 10 20 30 40 50mm

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

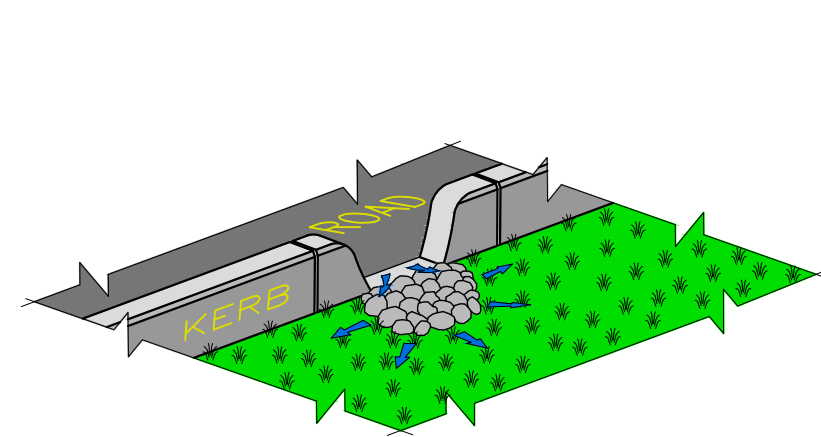
NOTES:

NOTES:

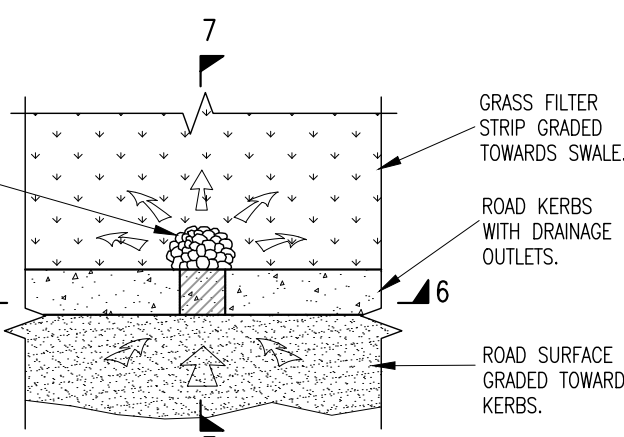
1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WORKS REQUIREMENTS
2. ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE. DO NOT SCALE FROM DRAWING
3. ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR (ITM)
4. ALL LEVELS ARE TO ORDNANCE DATUM (MALIN HEAD)
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE WORKS REQUIREMENTS AND SPECIFICATIONS - REFER APPENDIX 1/17 OF THE CONTRACT SPECIFICATION
6. ALL TEMPORARY TRAFFIC MANAGEMENT SHALL COMPLY FULLY WITH THE WORKS REQUIREMENTS - REFER APPENDIX 1/17 OF THE CONTRACT SPECIFICATION
7. ALL VEHICULAR, PEDESTRIAN & CYCLE ROUTES AND ACCESSES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT PLAN.

DRAWING SPECIFIC NOTES

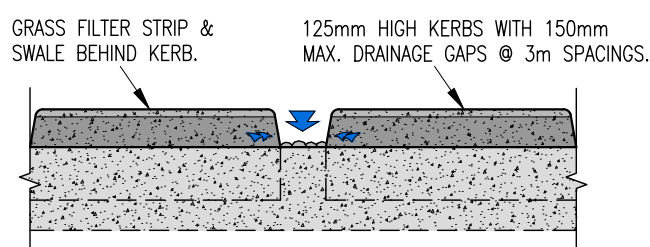
1. ALL REFERENCES TO SERIES 900 OF NRA SPECIFICATION REFER TO SERIES 900 DATED DECEMBER 2014.
2. THESE TYPICAL CONSTRUCTION SECTIONS SHOULD BE READ IN CONJUNCTION WITH THE SPECIFIC CROSS SECTIONS ON DRAWING SERIES 720.
3. UTILITY DUCTS AND PIPES HAVE BEEN ADDED TO THESE TYPICAL SECTIONS FOR ILLUSTRATION OF SPACING. THEY ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE INDIVIDUAL UTILITY COMPANY.
4. ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE CONTRACT SPECIFICATION AND IN ADDITION THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION S.R. 21/2014-A1/2016 GUIDANCE ON THE USE OF S. EN 13242:2002 +A1:2007 - AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION. FURTHER DETAIL IS PROVIDED IN ADDITIONAL CLAUSE 177AR OF THE CONTRACT SPECIFICATION



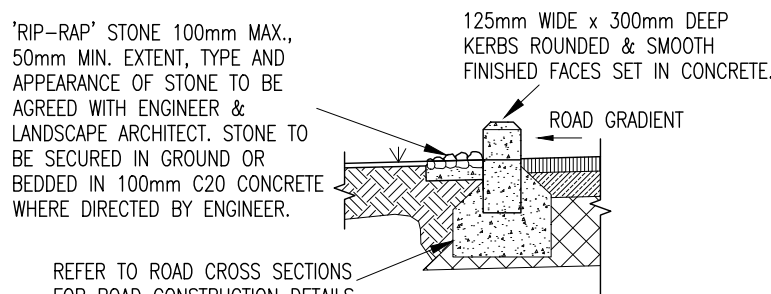
SCHEMATIC LAYOUT



PLAN

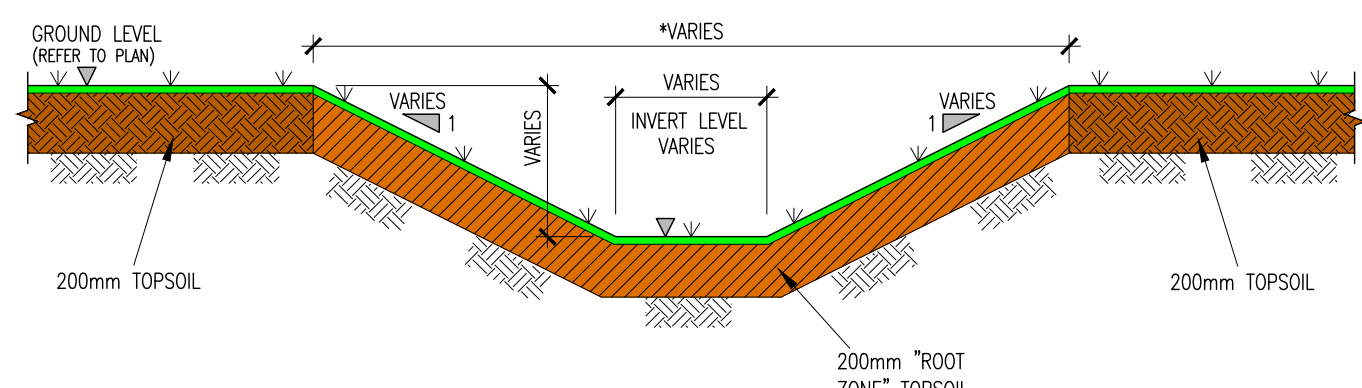


SECTION 6-6

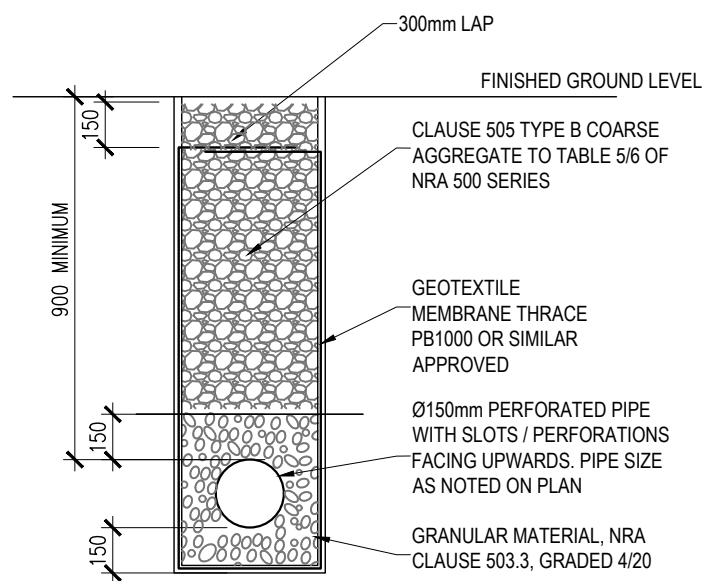


SECTION 7-7

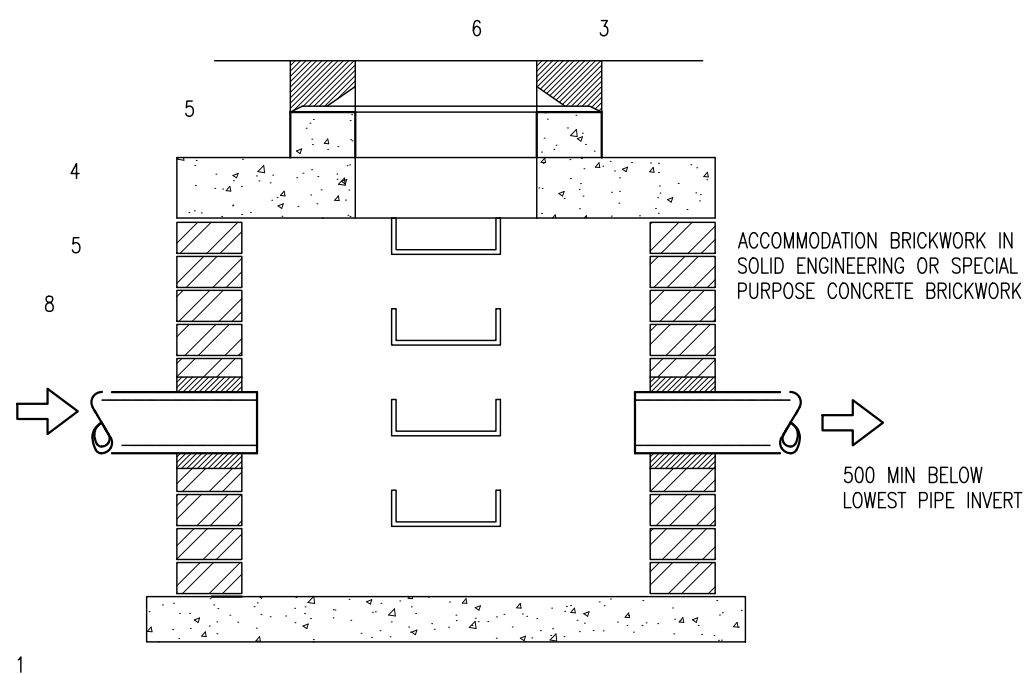
TYPICAL 'RIP-RAP' EROSION CONTROL DETAIL  
SCALE: N.T.S.



SWALE DETAIL  
SCALE: N.T.S.

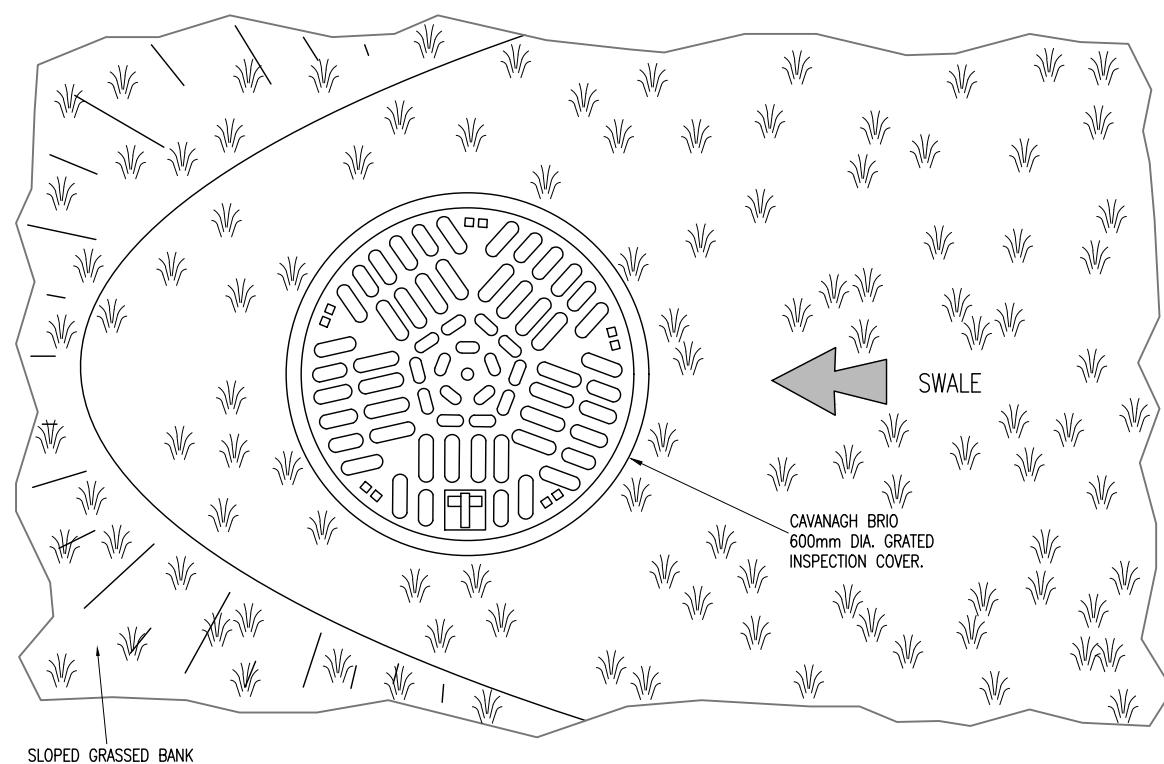


TYPICAL FILTER DRAIN  
SCALE 1:25

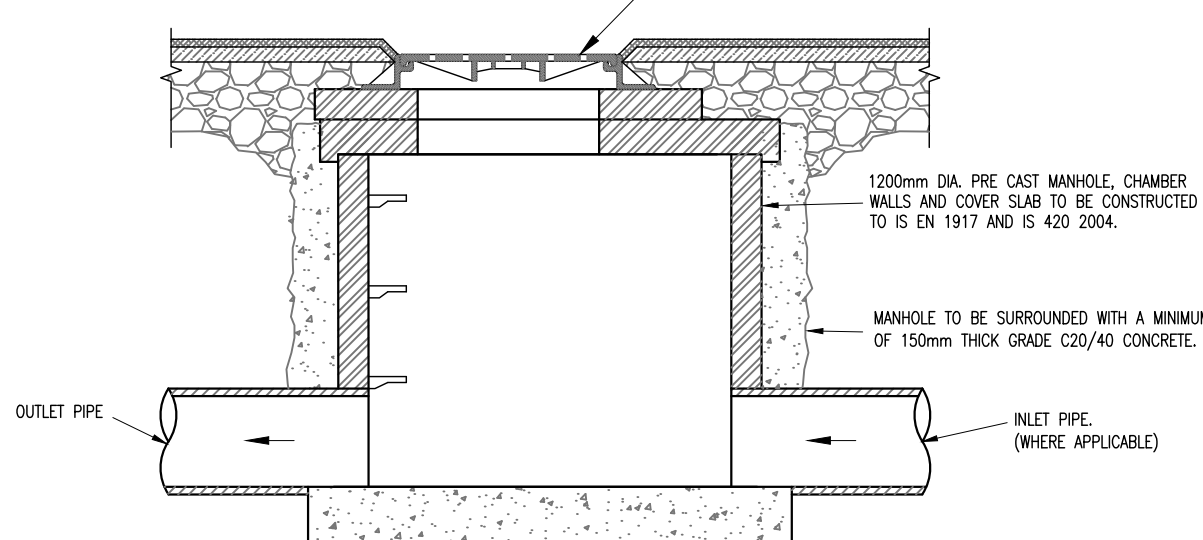


CATCHPIT MANHOLE SECTION (FILTER DRAINS ONLY)  
N.T.S.

- NOTES.
1. 225mm THK C20 MASS CONCRETE FOUNDATIONS
  2. BENCHING AND PIPE CHANNEL PIPE SURROUND - C20 CONCRETE.
  3. 600mm SQUARE OPENING IN ROOF SLAB.
  4. 200mm THK PRECAST R.C. ROOF SLAB IN C20 CONCRETE. COVER TO STEEL SHALL BE 40mm. SLAB SHALL BE CONTRACTOR DESIGNED TO BS5911
  5. ENGINEERING BRICK H53 TO I.S.91:1983 SET IN TYPE (ii)
  6. AN APPROVED DEEP SEAL PATERN GALVANISED IRON AIR TIGHT COVER AND FRAME WEIGHING MIN. 4.3 kg. 600 x 600 MM CLEAR OPENING SIZE. FRAME TO BE BEDDED IN MASTIC AND 25 x 25 mm SEAL TO BE FILLED WITH MANHOLE GREASE.
  7. DRAWING TO BE READ IN CONJUNCTION WITH DBFL DRAWINGS 042097-3201, 042097-3202 & 042097-3203
  8. DOUBLE STEP RUNGS TO BE FIXED IN LINE VERTICAL AND SPACED AT 300 mm CENTRES.

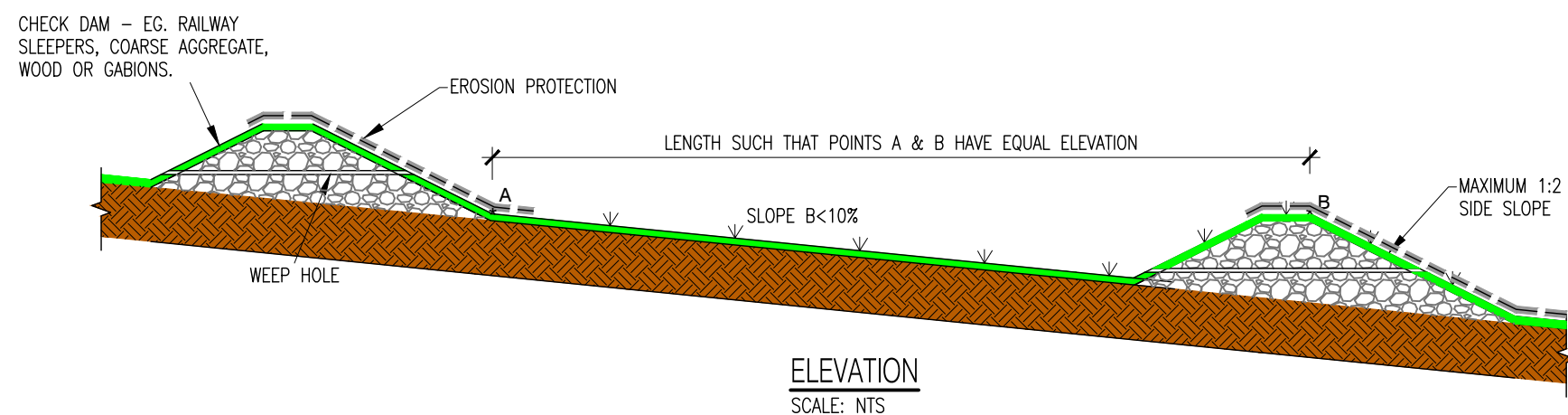


GRATED MANHOLE PLAN  
SCALE: N.T.S.

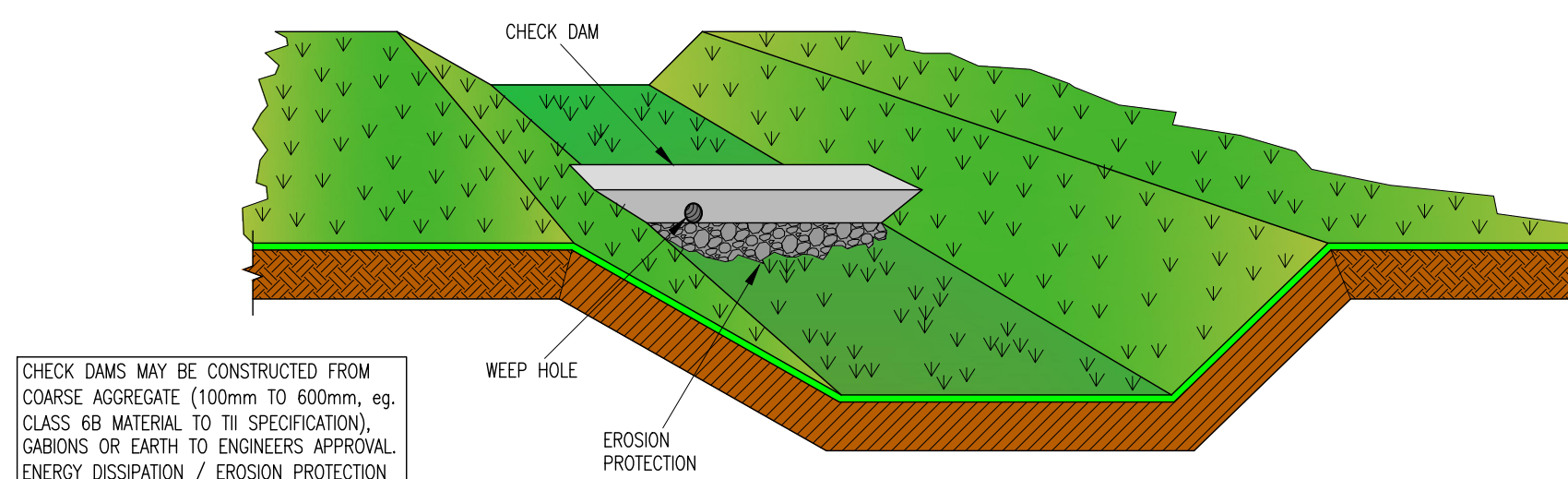


GRATED MANHOLE PLAN  
SCALE: N.T.S.

GRATED MANHOLE INLET CHAMBER - CROSS-SECTION  
SCALE: N.T.S.




ELEVATION  
SCALE: N.T.S.



SCHEMATIC  
SCALE: N.T.S.  
CHECK DAMS

CHECK DAMS MAY BE CONSTRUCTED FROM COARSE AGGREGATE (100mm to 600mm, eg. CLASS 6B MATERIAL TO TI SPECIFICATION), GABIONS OR EARTH TO ENGINEERS APPROVAL. ENERGY DISSIPATION / EROSION PROTECTION MATERIAL SHOULD ALSO EXTEND 1-2m DOWNSTREAM OF DAM ACROSS BOTH THE BASE & SIDES OF THE SWALE.

0	2011/2023	ISSUED FOR PLANNING	KMM	JPC
rev	date	description	by	chkd.
STATUS CODES				
purpose	acceptance			
P3 - PLANNING PERMISSION S - ISSUED				
 DBFL Consulting Engineers Civil, Structural & Transportation Engineering <a href="http://www.dbfl.ie">www.dbfl.ie</a>				
DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 WY04 PHONE +353 1 405 4000				
CORK OFFICE: 14 South Mall, Cork, T12 CT91 PHONE +353 21 204538				
WATERFORD OFFICE: Suite 8b The Atrium, Marlboro Gate, Canada Street, Waterford, X91 W028 PHONE +353 51 905 500				
project ref.				

CIVIC OFFICES

drawing title

SUDS TYPICAL DETAILS

client

MONAGHAN COUNTY COUNCIL

designed by	author	scale	sheet size
KM	RC	AS SHOWN	A1
drawing no.	revision		
220084-RY-05-Z00-XXX-DR-DBFL-CE-5303	0		