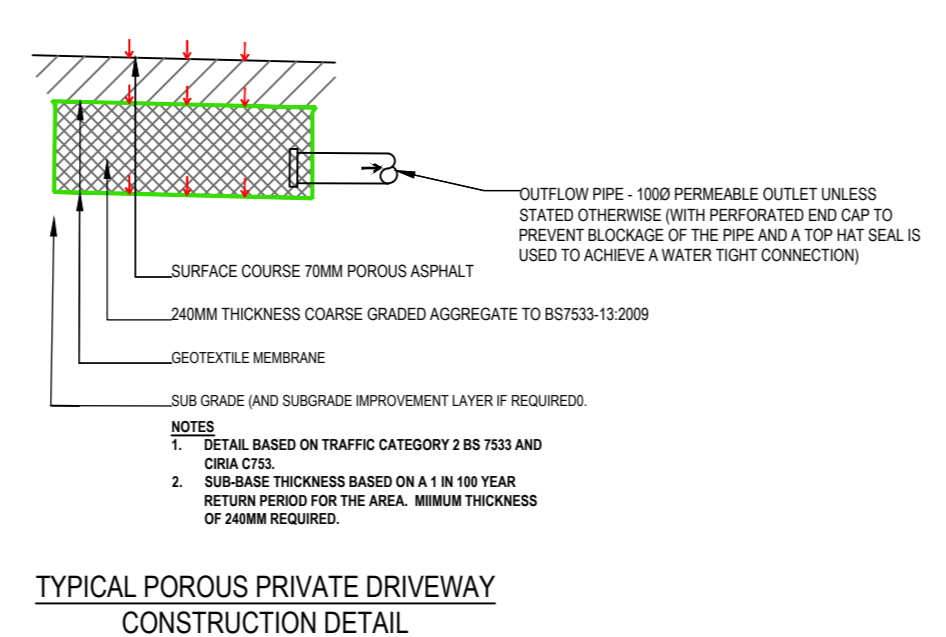
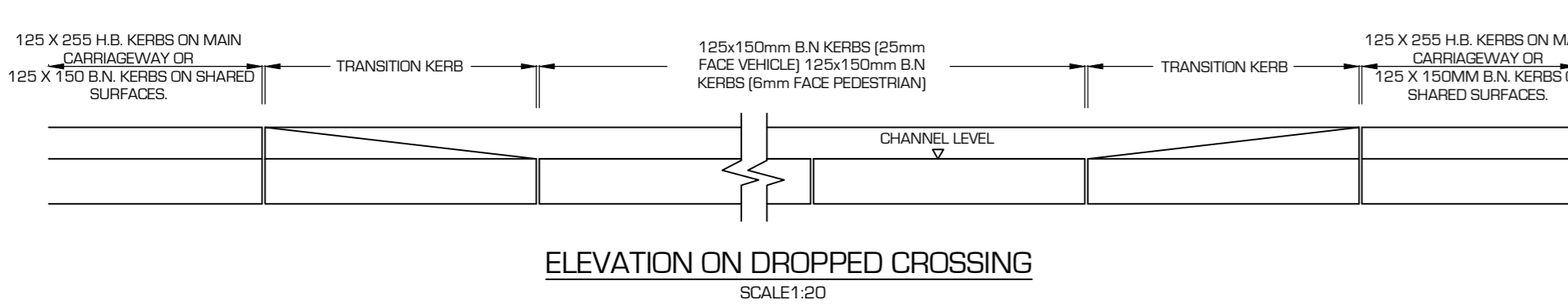


- HEALTH & SAFETY**
- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.
 - CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.
 - THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
 - CONNECTIONS TO EXISTING SERVICES TO BE MADE BY APPROVED CONTRACTOR ONLY.
 - CONTRACTOR TO TAKE OPERATIVE MEASURES OF ADEQUATE SIGNAGES TO HEAVY BUSES AND LIFTING MACHINERY (SIGNALS) AND RECOMMENDED PRECAUTIONS. ADEQUATE WEAR FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
 - UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIERS.
- FILES & CABLES**
- CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
 - SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.
- EXCAVATIONS**
- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM DROPPED SPECIES DURING THE WORKS.
 - CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
 - CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM EXCAVATIONS.
 - CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WEAR FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

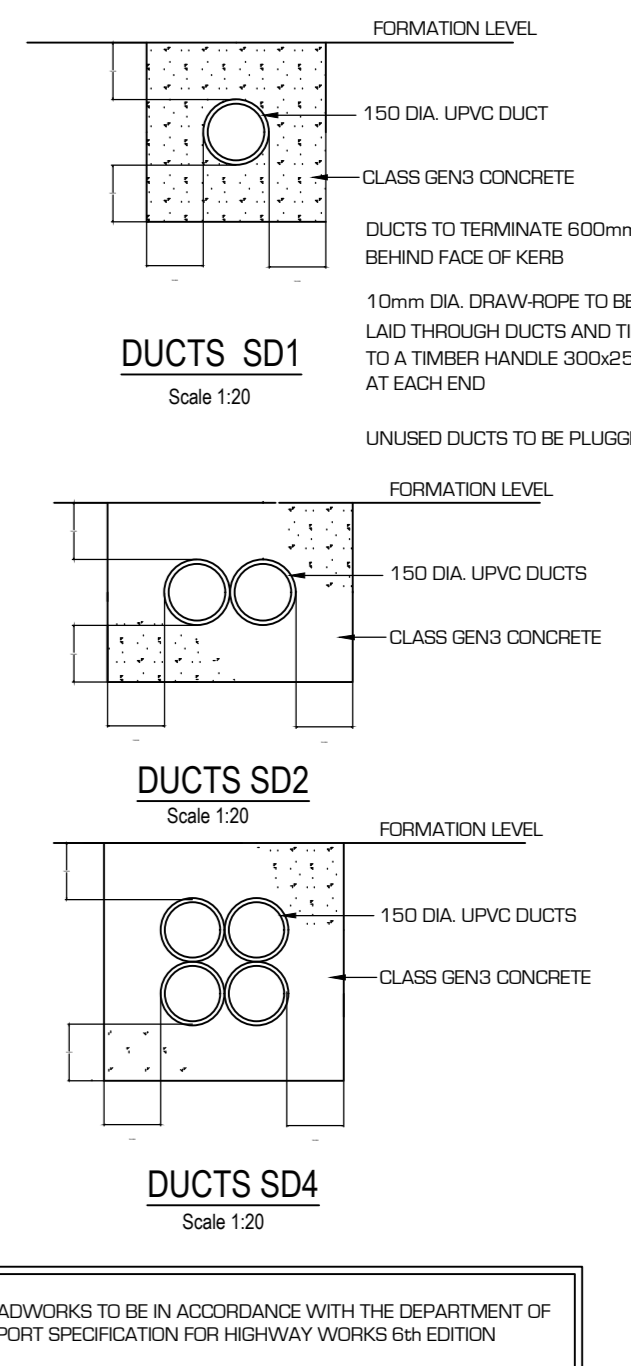
- NOTES**
- ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
 - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
 - SPECIFICATION FOR HIGHWAY WORKS (SHW)
 - CUMBRIA COUNTY DESIGN GUIDE AND SPECIFICATION
 - PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY EXISTING UTILITIES AND EQUIPMENT WITHIN THE WORK ACCESS AND DEDUCE REQUIREMENTS FOR LOWERING, DIVERSION AND PROTECTION WITH THE RELEVANT UNDERPAKER.
 - ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.
 - CBR VALUES NOT AVAILABLE. ROAD CONSTRUCTION SHALL BE SUBJECT TO COMPARISON OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.



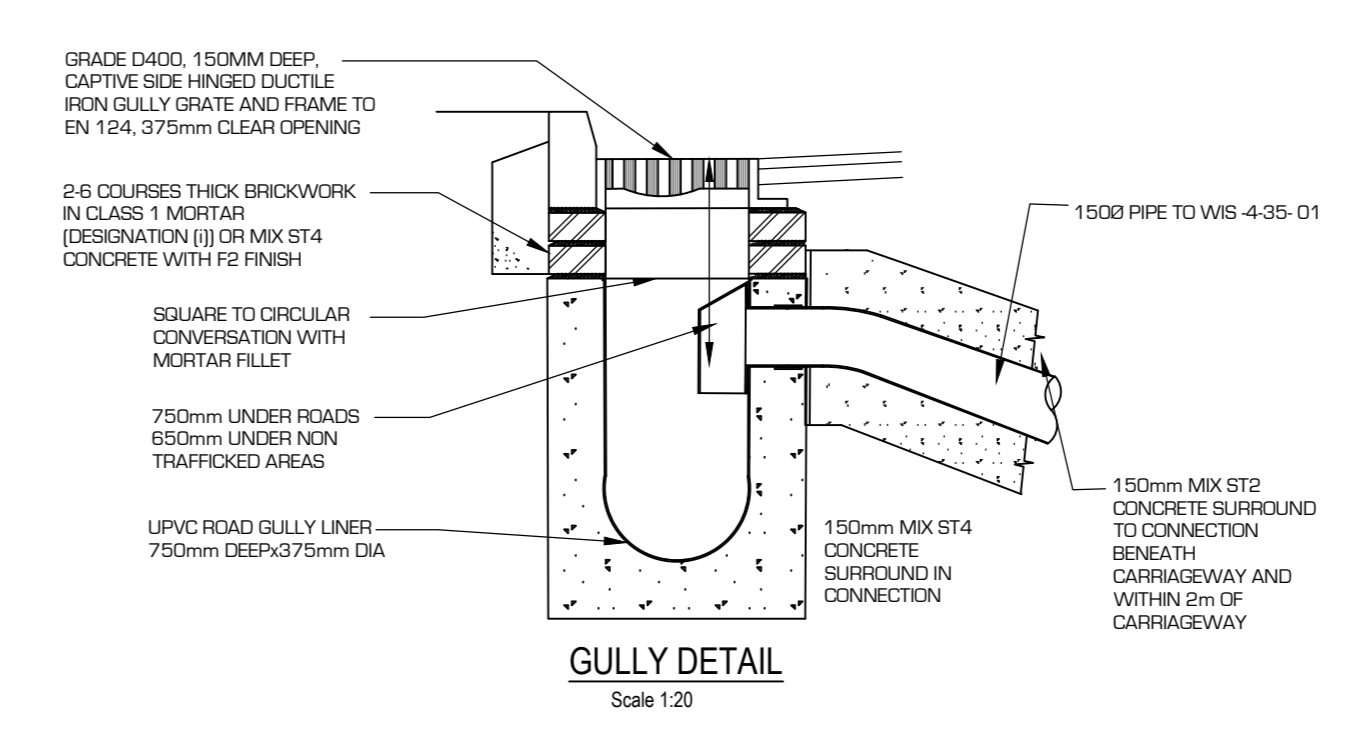
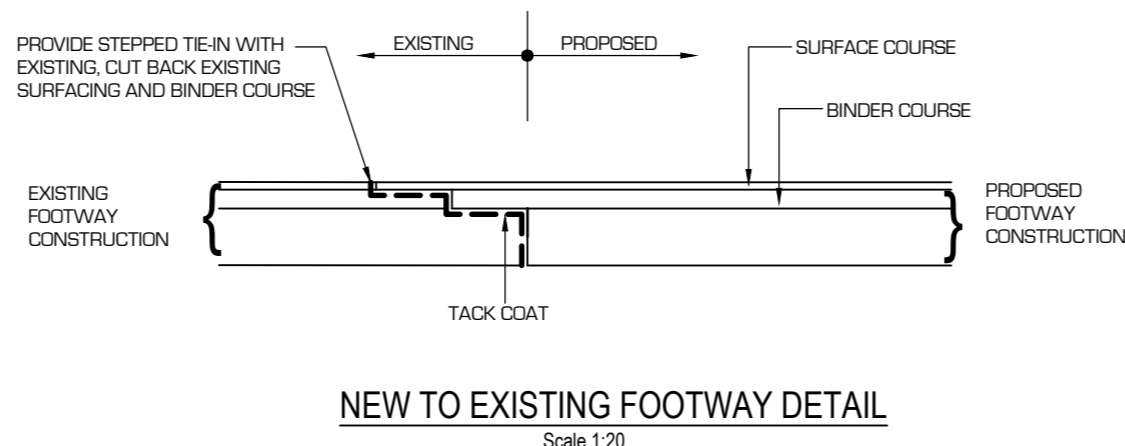
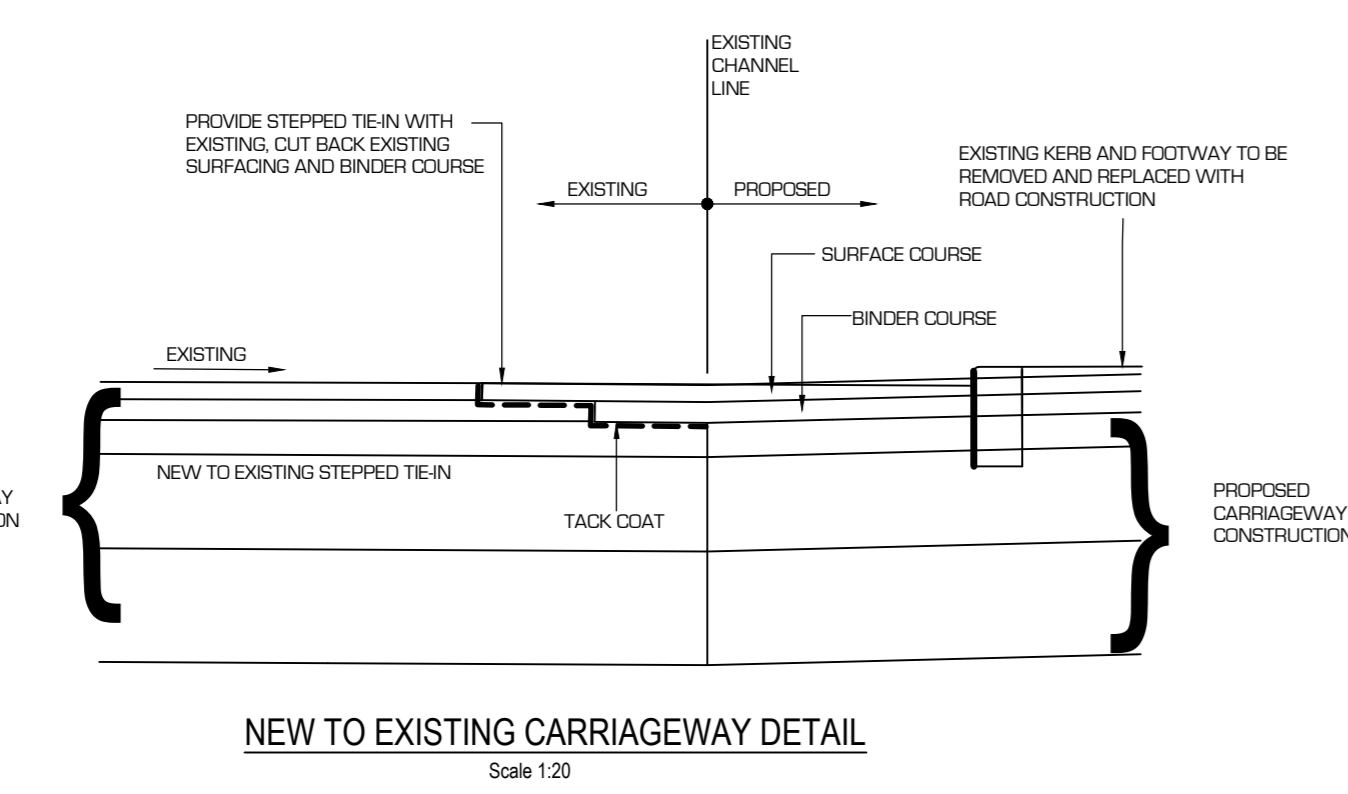
CBR %	OPTION A - 6% C		OPTION B - 6% S	
	CAPPING LAYER (mm)	SUBBASE (mm)	CAPPING LAYER (mm)	SUBBASE (mm)
LESS THAN 10	450	150	450	150
10 TO 15	450	150	300	150
15 TO 20		200	300	200
20 AND ABOVE		200	200	200

- NOTE:**
- THIS DETAIL IS TO BE USED WHEN DETERMINING THICKNESS OF SUBBASE AND CAPPING LAYER ONLY.
 - WHERE INDICATED * SUBBASE THICKNESS MAY BE REDUCED TO 200MM IF SUBGRADE PROVEN TO BE IN AT LEAST SUBGRADE 6.
 - THE LINE OF FORMATION AND SUBFORMATION SHALL BE CONSTANT ACROSS THE WHOLE OF THE CARRIAGEWAY. THE GREATER DEPTH TAKING PRECEDENCE.
 - A GEOTEXTILE MEMBRANE SHALL BE LAID ABOVE THE SUBGRADE WHERE ITS CBR IS LESS THAN 2.0%.

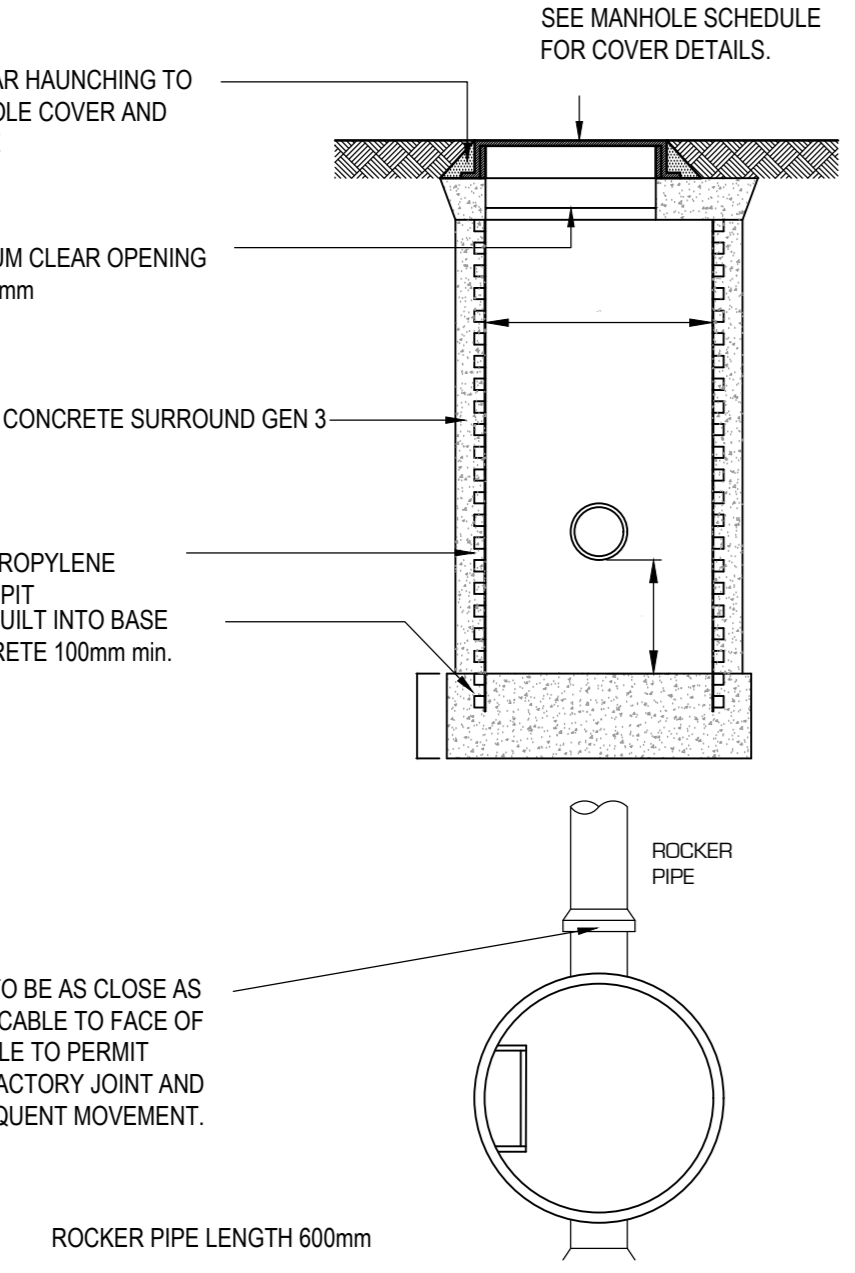
CBR VALUES



NOTE: ALL TRACINGS TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS 6th EDITION



- GULLY NOTES:**
- PLASTIC AND HIGH DENSITY POLYETHYLENE GULLIES SHALL BE OBTAINED FROM A MANUFACTURER APPROVED BY THE ENGINEER.
 - GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF BS EN124 AND AS DETAILED IN THE SCHEDULE ABOVE AND IN 4.20 EN 124. A 500mm MINIMUM WATERWAY AREA TO BE DIRECTED ABOVE AND IN 4.20 EN 124. A 500mm MINIMUM WATERWAY AREA TO BE DIRECTED ABOVE AND IN 4.20 EN 124.
 - WHERE GULLIES ARE USED IN CONSTRUCTION WITH A 255 OR 305 KERB THE GULLY POT OPENING SHOULD BE POSITIONED 70mm FROM THE KERBFACE AND THE GRATING SUPPORT WALL AT THIS FACE CONSTRUCTED IN BRICK OR CONCRETE TO EN 124.
 - OVERSIEKING AROUND CONCRETE SURROUND AND BRICKWORK TO BE SCHEDULED WITH MK ST4 CONCRETE TO ADEQUATE OF BINDER COURSE. A MINIMUM DEPTH OF 100mm OF BRICKWORK SURFACE MUST BE PROVIDED OVER CONCRETE/BRICKWORK.
 - CONCRETE AROUND GULLIES SHALL REACH A MINIMUM STRENGTH OF 20MPa OR AS APPROVED BY THE OVERSEERING ORGANISATION BEFORE BEING EXPOSED TO TRAFFIC.
 - FRAME IS TO BE SET TO LEVELS BEFORE LAYING OF SURFACE COURSE. GULLY GRATING AND FRAME TO BE SET 6mm BELOW CHANNEL LEVEL. BEDDING MORTAR OR GRATING AND FRAMES SHALL BE A REINFORCED PROPRIETARY MORTAR COMPLYING WITH CLAUSE 610 A.



TYPICAL CATCHPIT MANHOLE DETAIL

SUBJECT TO LOCAL AUTHORITY APPROVAL

NO	REVISED	BY	DATE	
105003	EP DETAIL ADDED	KS	AE	7
105002	GULLY GRATING 600mm NOTE ADDED	KS	AE	4
105019	REINFORCED ROAD CONSTRUCTION REPLACED WITH	AKS	MMW	5
105018	PERMISSIBLE BLOCK PAVING DETAIL MODIFIED	KS	AE	4
105017	PERMISSIBLE BLOCK PAVING DETAIL MODIFIED	KS	AE	3
105016	PERMISSIBLE BLOCK PAVING DETAIL MODIFIED	KS	AE	2
105015	PERMISSIBLE BLOCK PAVING DETAIL ADDED	KS	AE	1
105014	FIRST ISSUE	KR	AE	1

PRELIMINARY

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YORKSHIRE
0148 80480

Client: **GLEESON HOMES**

Project: **FELL VIEW DRIVE, EGREMONT**

Disc: **ROAD CONSTRUCTION DETAILS**

DO NOT SCALE

Scale	AS	Drawn	KR	Checked	AE	Date	05/03/19
Job No	18184	Disc No	D700	Rev	7		