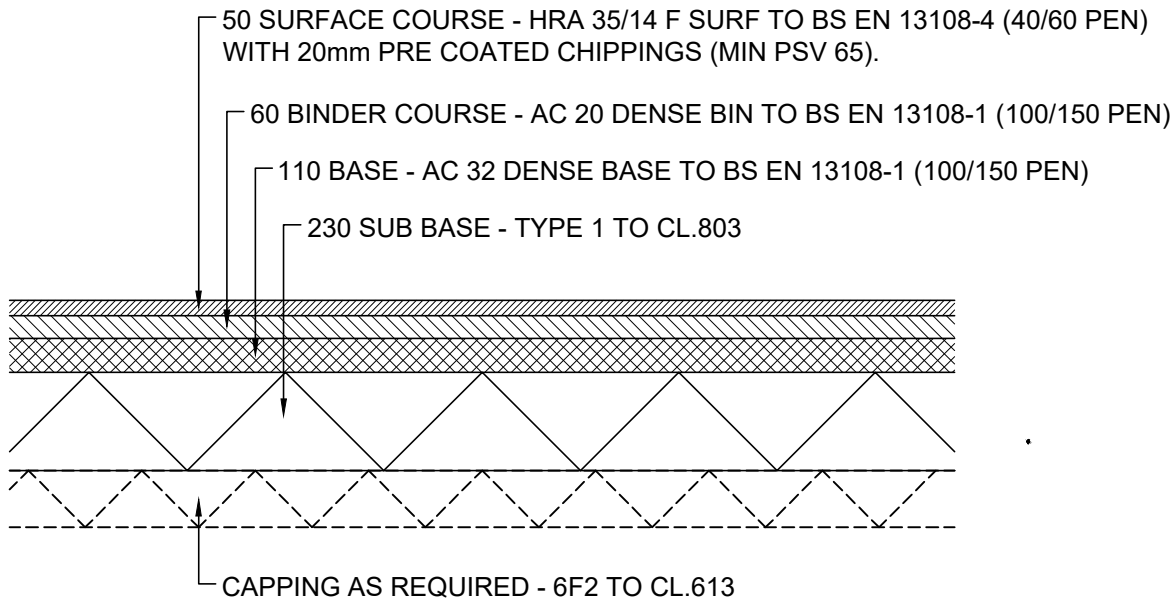


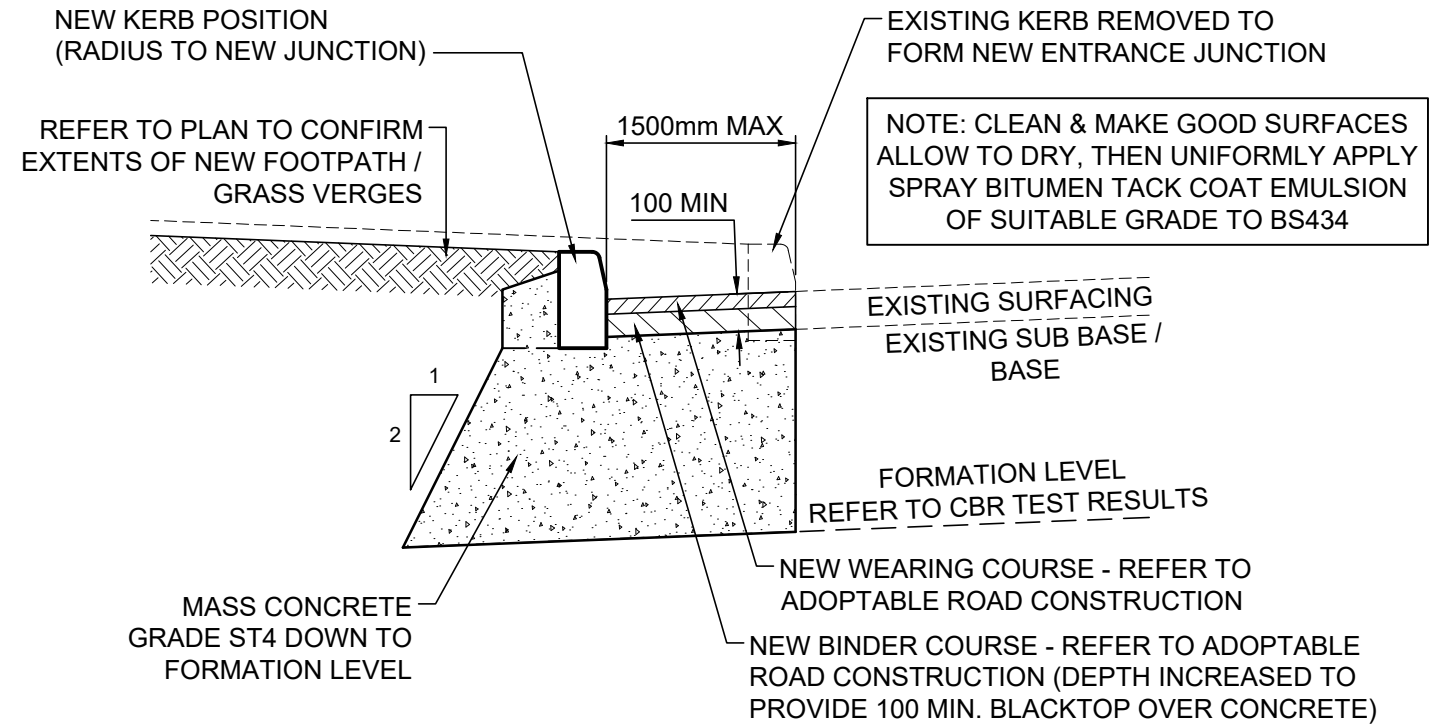


NEW FILTER LANE
ROAD CONSTRUCTION
SCALE 1:20

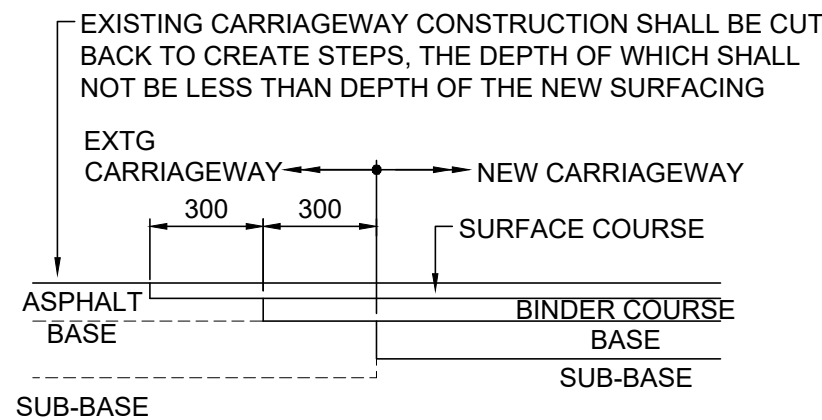
NOTE: WHERE THE CBR OF THE SUBGRADE IS < 5%, A CAPPING LAYER OR AN INCREASED SUB-BASE THICKNESS SHALL BE PROVIDED. REFER TO THE TABLE BELOW FOR THE CAPPING LAYER / INCREASED SUB-BASE THICKNESSES.

SUBGRADE CBR (%)	CAPPING LAYER THICKNESS (mm)	SUB-BASE THICKNESS (mm)	KMBC STANDARD MIN SUB-BASE THICKNESS (mm)
< 2	600	150	-
2 - 2.5	450	150	-
2.5 - 3	-	-	350
3 - 4	-	-	300
4 - 5	-	-	260
> 5	-	-	230

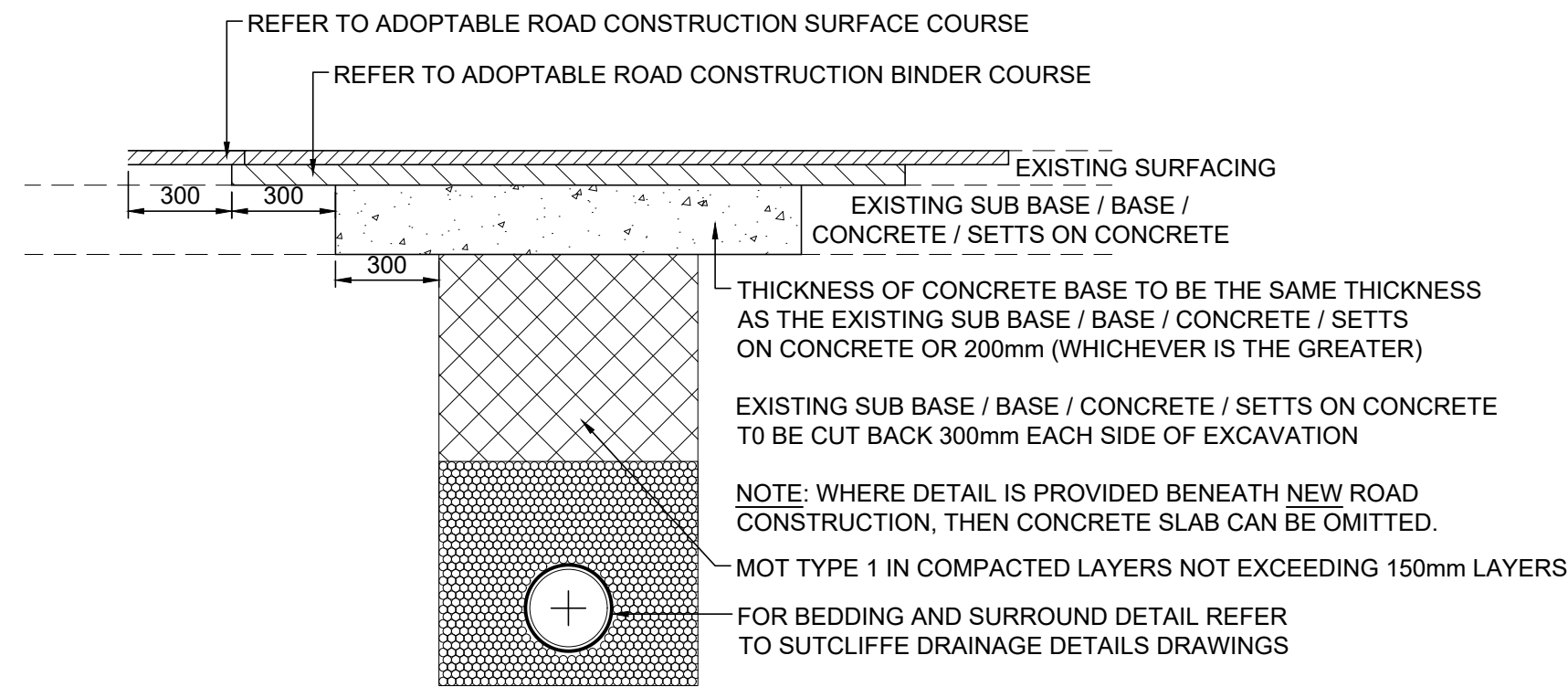
CAPPING LAYER TABLE



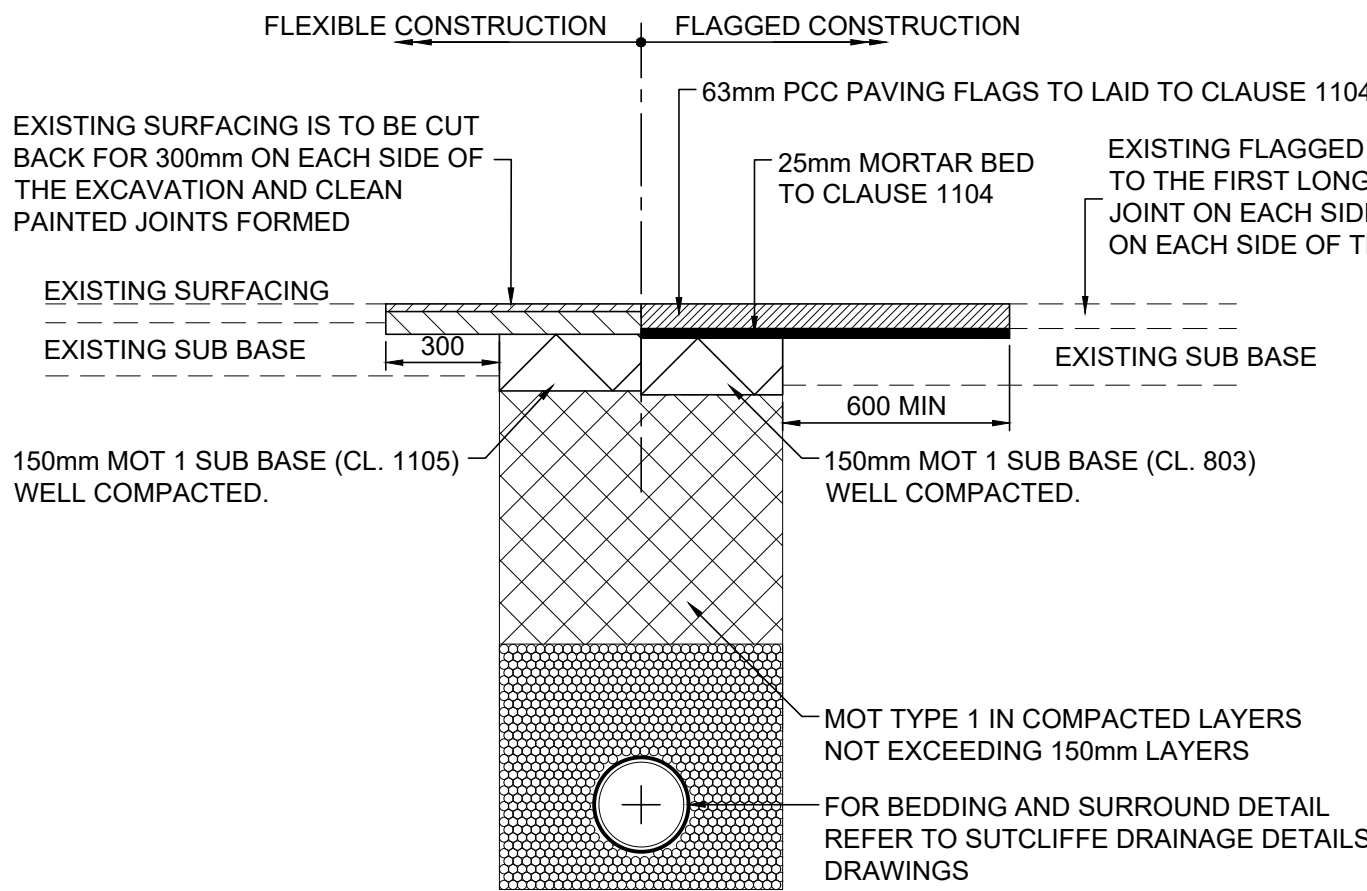
SECTION THROUGH NARROW ROAD
AREAS AT NEW JUNCTION
WHERE DISTANCE FROM EXISTING KERB AND NEW KERB <1500mm
SCALE 1:20



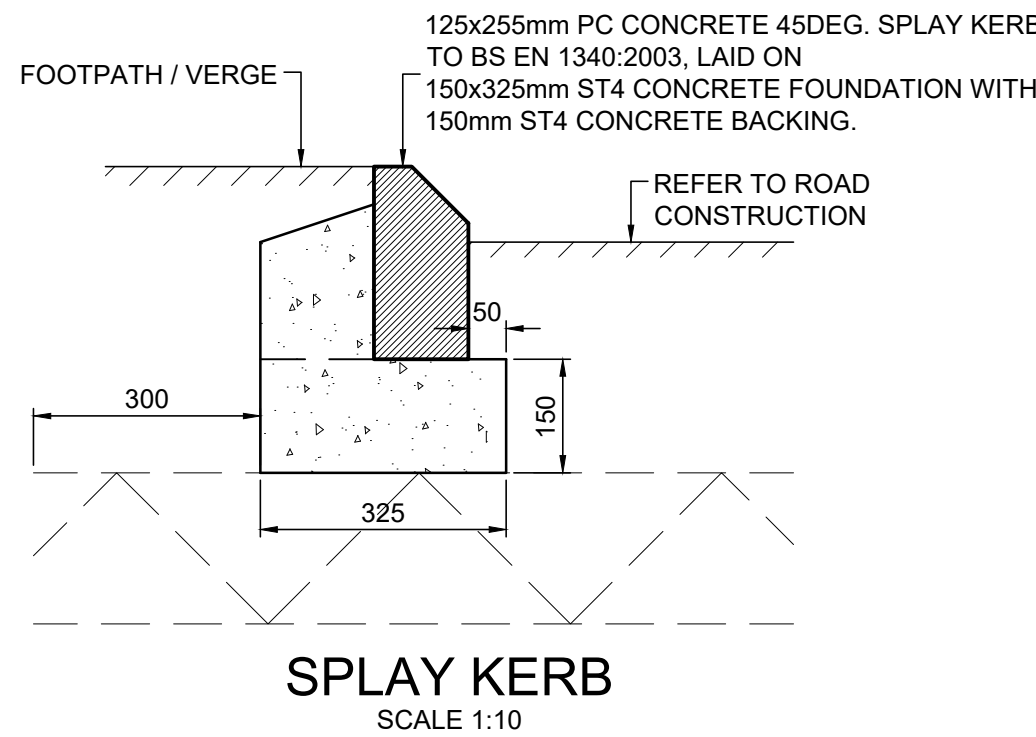
TRANSITION DETAIL BETWEEN NEW
AND EXTG HIGHWAYS
SCALE 1:20



PERMANENT TRENCH REINSTATEMENT
(HIGHWAY)
(BACKFILLING TO TRENCH - PIPES AND DUCTS)
SCALE 1:20



PERMANENT TRENCH REINSTATEMENT
(FOOTPATHS)
(BACKFILLING TO TRENCH - PIPES AND DUCTS)
SCALE 1:20

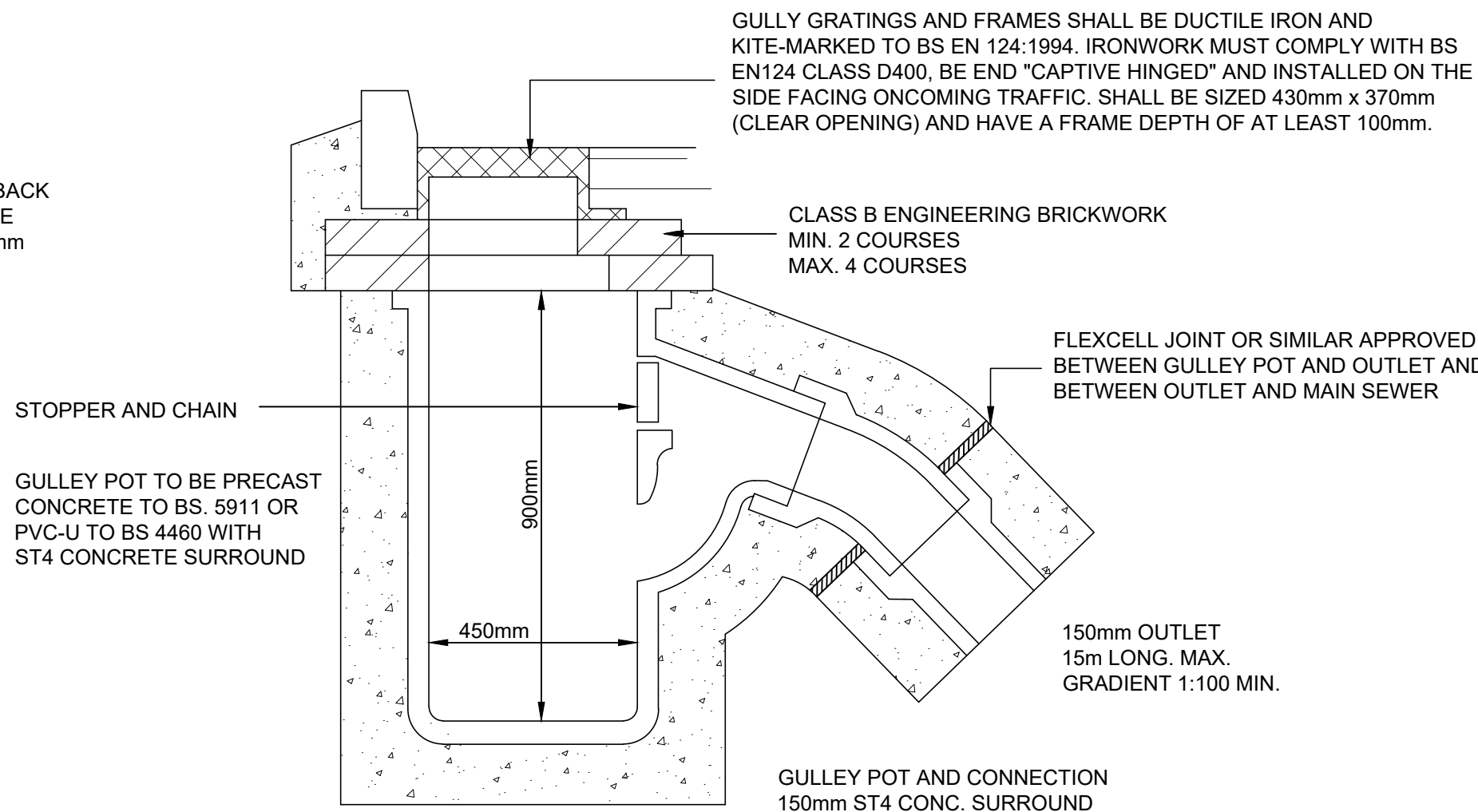


- GENERAL NOTES
- A1.1 THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- A1.2 ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.
- A1.3 ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
- A1.4 ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.
- A1.5 ALL MATERIALS TO BE MARKED WITH BSI KITE MARK WHERE APPLICABLE.
- PROPOSED HIGHWAY WORKS
- HW1.1 ALL HIGHWAY WORKS TO BE DESIGNED AND CONSTRUCTED TO THE APPROVAL OF THE LOCAL AUTHORITY HIGHWAYS DEPARTMENT
- HW1.2 ALL ROAD OPENING NOTICES ETC... AS REQUIRED UNDER THE HIGHWAYS ACTS ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS ON SITE. ALL WORKS ARE TO BE INSPECTED BY THE LOCAL AUTHORITY, NHBC, OR NWWA AS APPLICABLE.
- HW1.3 THE DEVELOPER SHALL NOT COMMENCE ANY WORK WHICH AFFECTS THE PUBLIC HIGHWAY, UNTIL ALL THE APPROVED TRAFFIC SAFETY AND MANAGEMENT MEASURES NECESSITATED BY THE WORKS ARE IN PLACE.
- HW1.4 THE DEVELOPER SHALL MAINTAIN ACCESS TO AND ALONG ALL EXISTING FOOTWAYS, PRIVATE ACCESSES, PUBLIC RIGHTS OF WAY AND PROPOSED CROSSINGS OF THE WORKS THROUGHOUT THE CONSTRUCTION PHASE.
- HW1.5 ALL MATERIALS SHALL BE TRANSPORTED & LAID IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE APPROPRIATE CURRENT BRITISH STANDARD FOR THAT MATERIAL
- HW1.6 ALL GULLIES TO BE PROTECTED FROM SILT DURING THE CONSTRUCTION PROCESS WITH A LAYER OF HESSIAN SHEETING PLACED UNDER THE GULLY GRATING. THE HESSIAN SHALL BE CLEANED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- HW1.7 REFER TO SEPARATE DRAWINGS FOR ALL KERB / ROAD / FOOTPATHS NOTES AND DETAILS. REFER TO DRAWING ISSUE SHEET FOR A FULL LIST OF DRAWINGS.

DESIGN CONTINGENCY

FOR COST PURPOSES THE CONTRACTOR IS TO INCLUDE THE FOLLOWING CONTINGENCY (% OF PRIMARY CIVILS DESIGN COST) AT THE RELEVANT PROJECT STATUS INDICATED ON THE DRAWING.

RIBA STAGE 2 - CONCEPT DESIGN - 25%
RIBA STAGE 3 - SPATIAL COORDINATION - 15%
RIBA STAGE 4 - TECHNICAL DESIGN - 10%
RIBA STAGE 5 - PRODUCTION INFORMATION - 5%



TYPICAL ROAD GULLY DETAIL
SCALE 1:20

P01	PRELIMINARY ISSUE	11.06.25	AJB	AD
Rev	Description	Date	By	Chkd
Drawing Status				
PRELIMINARY DRAWING				
 Sutcliffe Structural & Civil Engineering Geotechnical & Environmental Investigations Building Surveying Fire Planning Services Liverpool Head Office 0151 271 7161 Manchester Office 0161 871 1130 North Wales Office 01793 664 071 London Office 020 330 0888                       www.sutcliffe.co.uk				
Client				
GREEN CIRCLE ESTATES LTD				
Project				
KIRKBY VALLEY GOLF CLUB LIVERPOOL PROPOSED NEW ENTRANCE				
Drawing Title				
SECTION 50 PHASE 2 CONSTRUCTION DETAILS				
Date				
JUNE 2025				
Drawn By				
AJB				
Checked By				
AD				
Scale at A1				
AS SHOWN				
Project Number				
34781				
Status				
Revision				
P01				
Sheet Number				
34781-SUT-ZZ-XX-DR-C-6561				