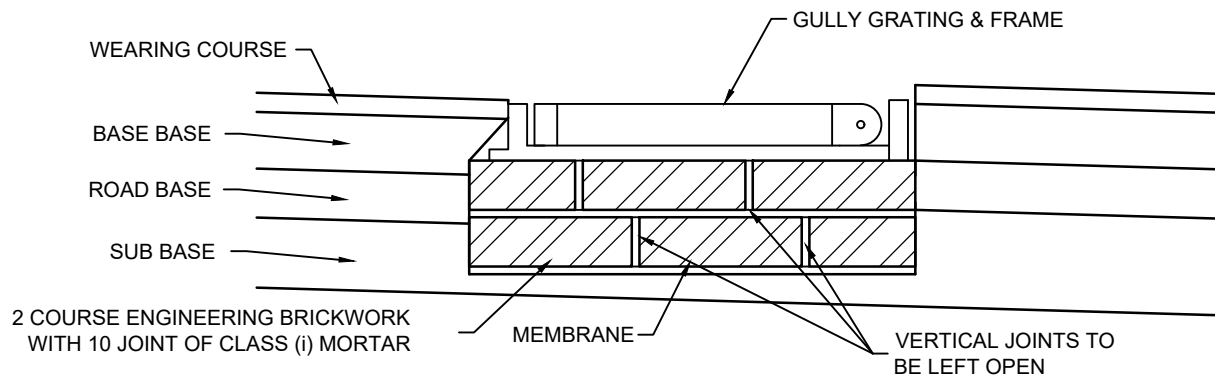
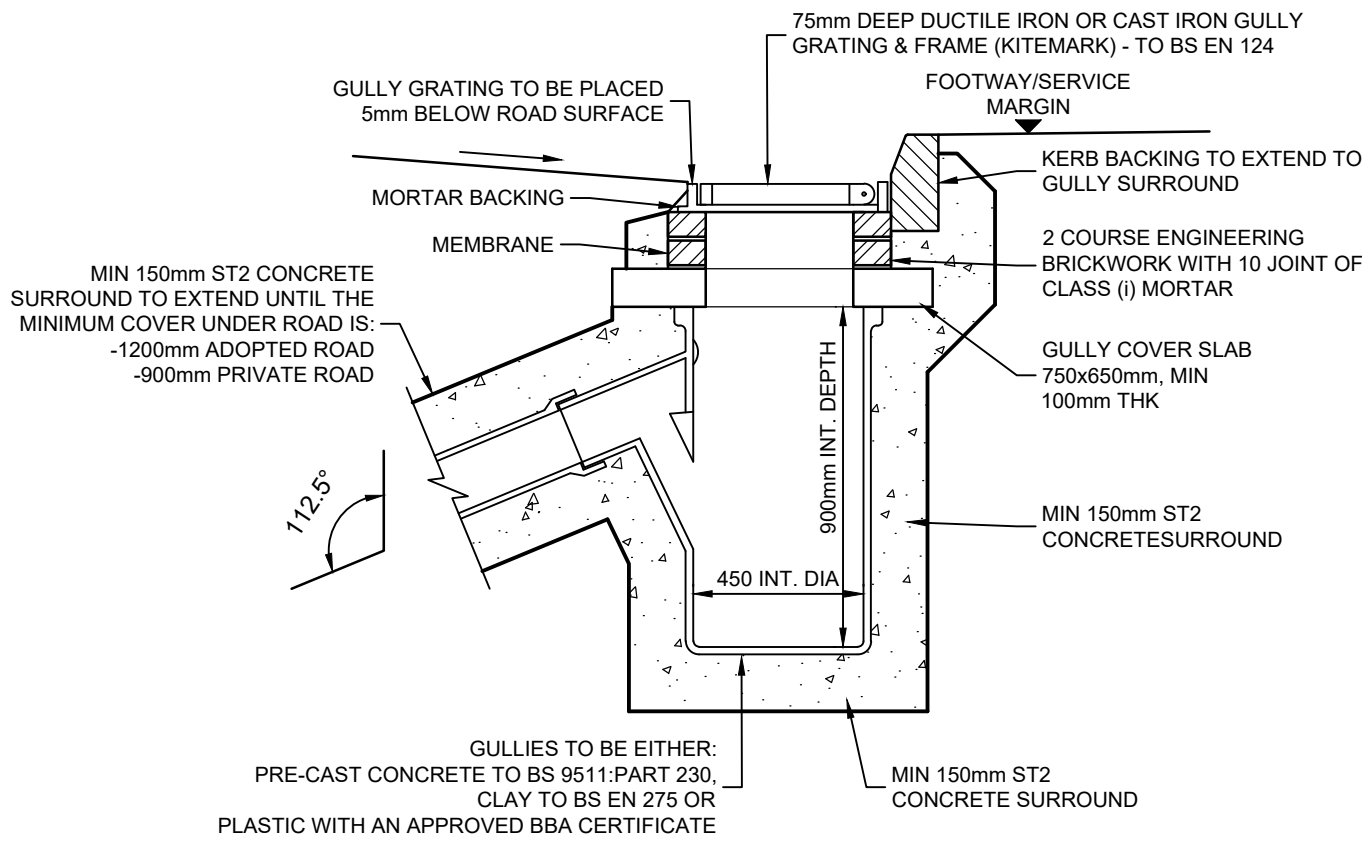




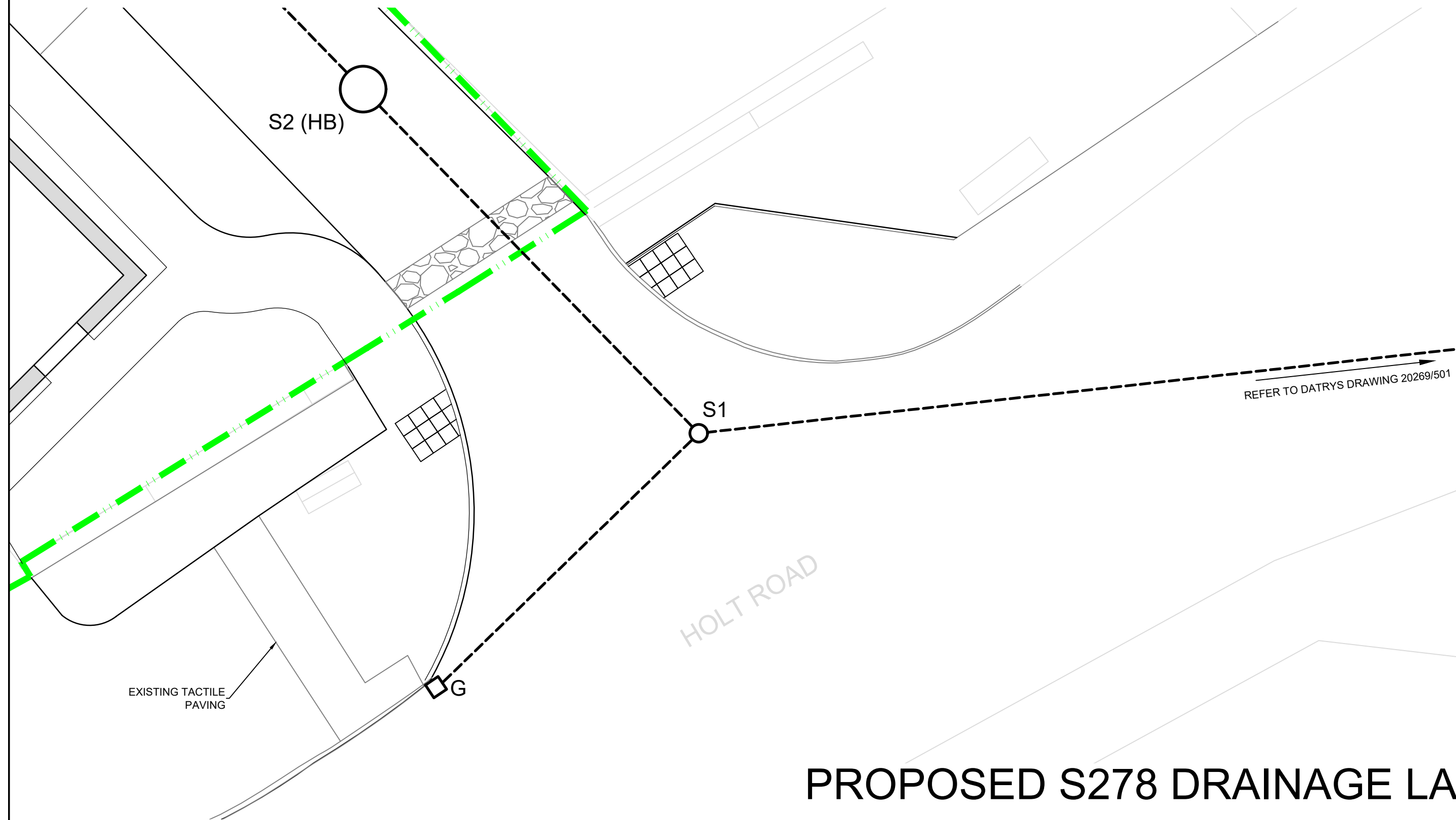
WCBC GULLY SHOWING MEMBRANE (G)

1:10



WCBC STANDARD GULLY DETAIL (G)

1:20



PROPOSED S278 DRAINAGE LAYOUT

1:100

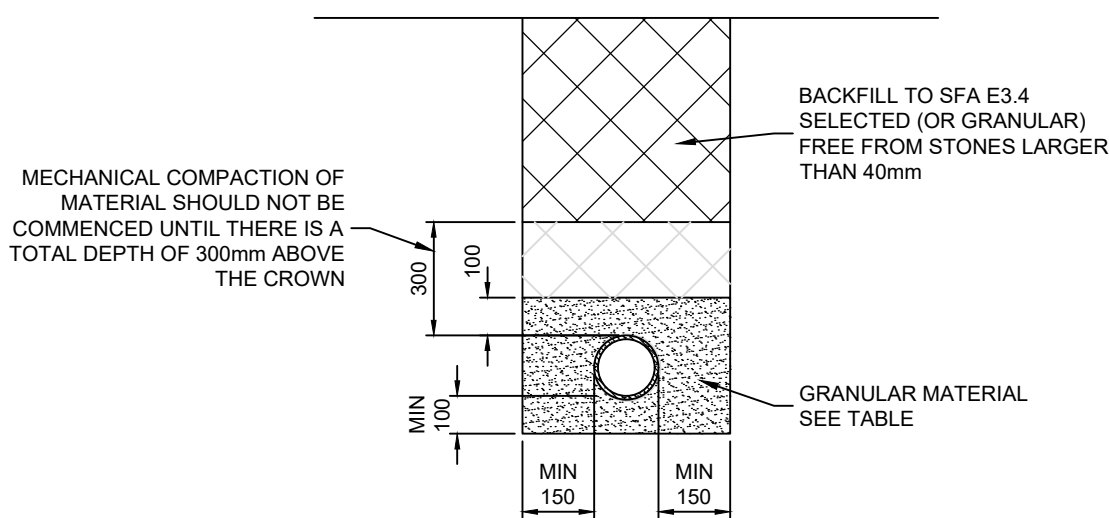
CLASS Z TO BE USED WHEN COVER IS LESS THAN:

GARDENS AND PATHS	0.35m
VEHICLES ≤ 7.5t	0.50m
VEHICLES > 7.5t (RESTRICTED ACCESS)	0.90m
AGRICULTURAL AND PUBLIC SPACES	0.90m
HIGHWAYS AND UNRESTRICTED ACCESS	1.20m

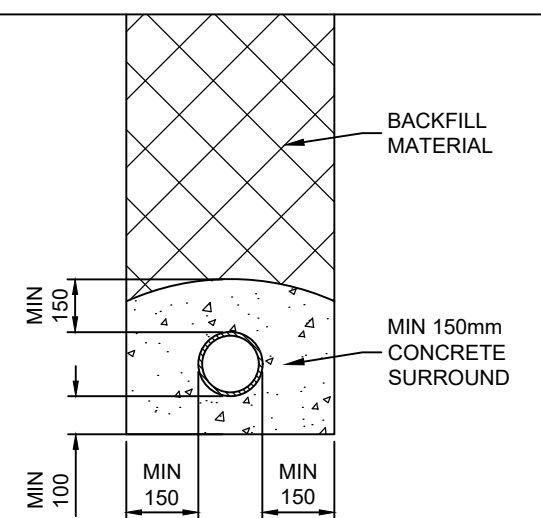
CONCRETE SURROUND IN ACCORDANCE WITH CLAUSE 503.3 (iii) OF THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W.).

CONCRETE TO BE ST4 IN ACCORDANCE WITH CLAUSE 2802 OF THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W.)

PIPE NOM. SIZE (DN)	NOM. MAX STONE SIZE (mm)	SUITABLE MATERIAL
100	10	10mm NOMINAL SINGLE SIZE
150	16	10 OR 14mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED
300	20	10, 14 OR 20mm NOMINAL SINGLE SIZE OR 20mm TO 5mm GRADED
550	20	14 OR 20mm NOMINAL SINGLE SIZE OR 20mm TO 5mm GRADED
over 550	40	14, 20 OR 40mm NOMINAL SINGLE SIZE OR 40mm TO 5mm GRADED



CLASS S BED & SURROUND NTS



CLASS Z BED & SURROUND NTS

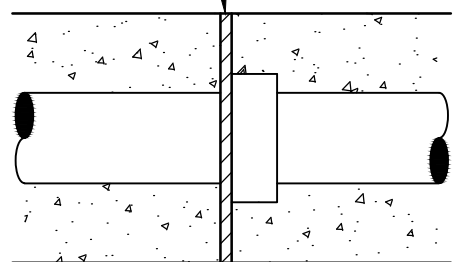
- CONCRETE SURROUND TO DRAIN TO BE FLEXIBLY JOINTED AT EVERY JOINT NOT WITHSTANDING THE ABOVE, MAXIMUM SPACING OF FLEXIBLE JOINT TO BE 3.0m
- TO MAINTAIN THE FLEXIBILITY OF CONCRETE SURROUNDED DRAINS THE CONCRETE SHALL BE KEPT CLEAR OF THE JOINT BY PLACING 'FLEXCELL' OR EQUIVALENT APPROVED MATERIAL.

FOR PIPES >300mm Ø PLACE 2No. LAYERS OF 18mm THICK FLEXCELL BETWEEN THE SPIGOT OF EACH IN SUCH A MANNER AS TO ALLOW THE JOINT FULL AXIAL AND ANGULAR MOVEMENT.

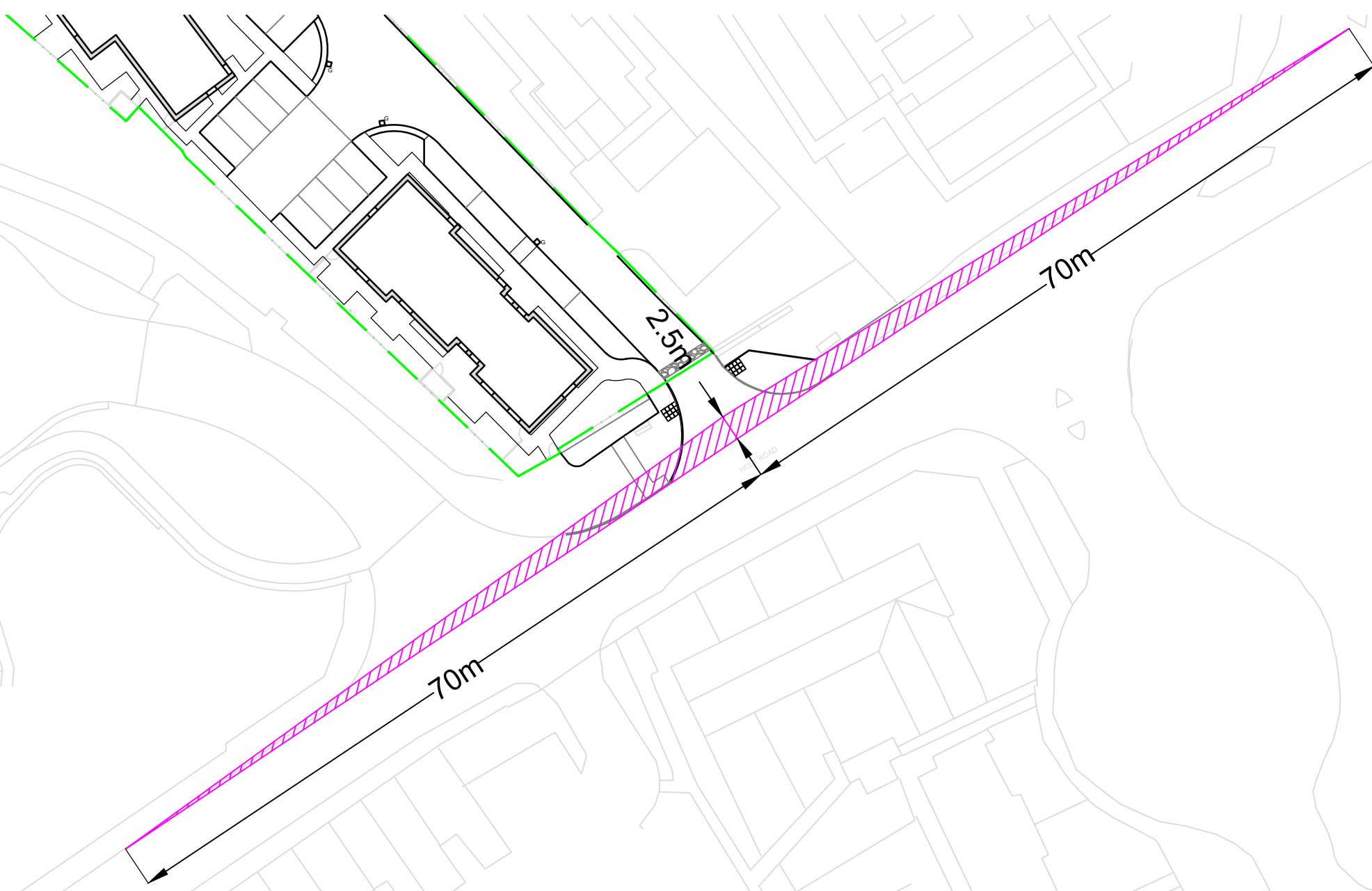
FOR PIPES <300mm Ø PLACE 1No. LAYER, 18mm THICK.

THE FLEXCELL SHALL BE PLACED IN A VERTICAL POSITION AND COVER THE CROSS SECTIONAL AREA OF CONCRETE BED AND SURROUND TO EACH JOINT.

MOVEMENT JOINT OF THICK COMPRESSIBLE BOARD (IN ACCORDANCE WITH CLAUSE 504 S.H.W.)



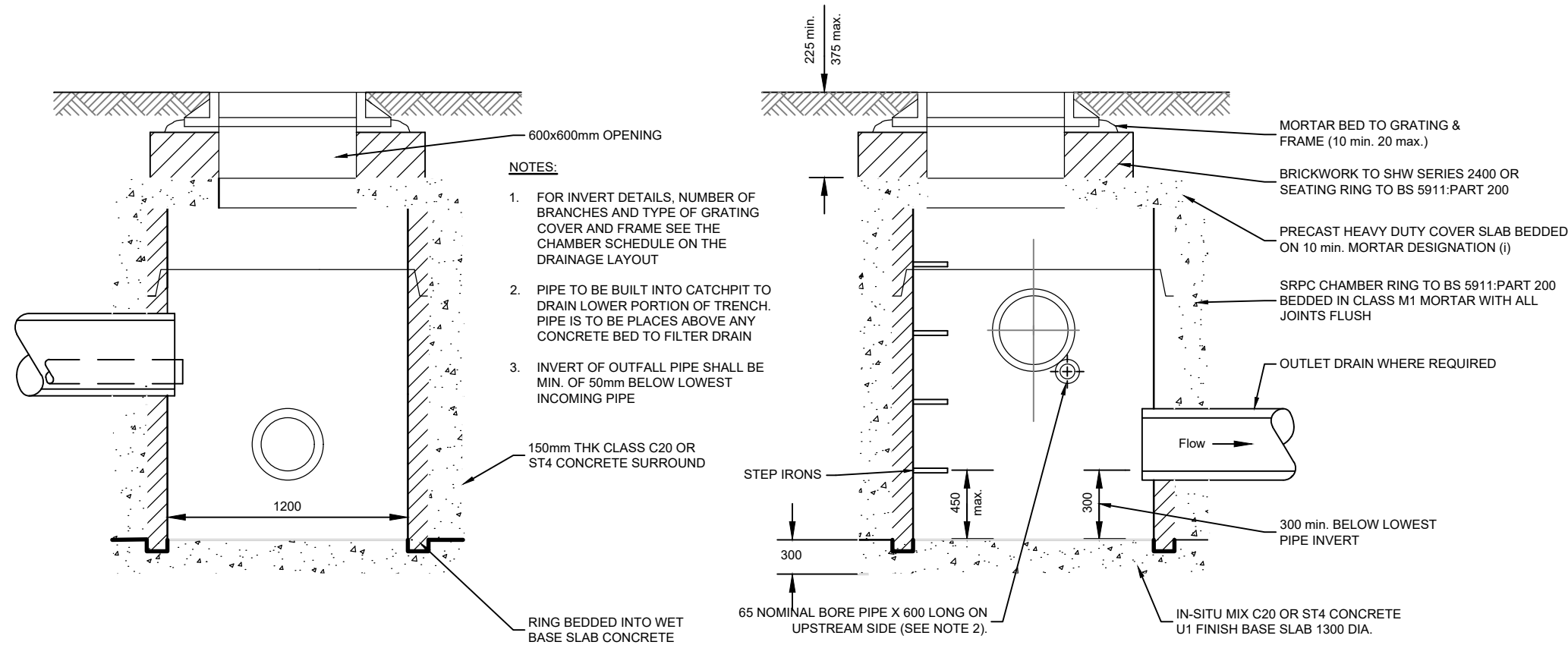
JOINTS FOR CONCRETE ENCASED PIPES NTS



VISIBILITY SPLAY

1:500

REF DRAWING 20269/501 FOR MANHOLE SCHEDULE



MANHOLE DETAIL - TYPE 7C CATCHPIT NTS

GENERAL NOTES

- ALL DIMENSIONS IN MILLIMETRES & ALL LEVELS IN METRES UNLESS NOTED OTHERWISE ON THE DRAWING
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND RELEVANT SPECIFICATION CLAUSES
- ALL WORKS IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS
- LOCATION OF ALL EXISTING SERVICES TO BE CONFIRMED BY CONTRACTOR
- CONNECTION TO SEWER SUBJECT TO SECTION 104 AND SECTION 106 AGREEMENT WITH DCWW
- ALL OPERATIVES UNDERTAKING ADOPTABLE WORKS TO BE STREETWORKS ACCREDITED.
- PART N NOTICE TO BE SUBMITTED IN ADVANCE OF WORKS
- ALL WORKS SHALL BE CONSTRUCTED TO ADOPTABLE STANDARDS IN ACCORDANCE WITH WCBC STANDARD DETAILS
- ALL FOUNDATION DESIGN/MATERIALS TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH WCBC RESIDENTIAL ROADS & FOOTPATHS - APPENDIX D MINIMUM CONSTRUCTION SPECIFICATION. ALL TEST RESULTS/CERTIFICATES SHALL BE SUBMITTED TO WCBC (I.E STREETSCENE) FOR FURTHER APPROVAL
- ROAD MARKINGS SHALL COMPLY WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002 AND TRAFFIC SIGNS MANUAL (CHAPTER 5) ROAD MARKINGS 2003

KEY

- SITE BOUNDARY
- PROPOSED SURFACE WATER HIGHWAYS
- INSPECTION CHAMBER AND DRAIN
- DENOTES PROPOSED HIGHWAY GULLY WITH 150mm Ø CONNECTIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
B	22.10.21	AMENDED PER COMMENTS DATED 21.10.21	JP		
A	18.10.21	AMENDED PER COMMENTS DATED 15.09.21	JP		

REVISIONS

FOR APPROVAL

CLIENT



PROJECT

Ty Nos, Holt Road
Wrexham

TITLE

Section 278
Sheet 3



DRAWN JP	CHECKED LJ	PASSED AC
DATE 21.07.21	CLIENT'S REF.	
SCALE AT A1 AS SHOWN	AUTOCAD REF. 20269/S278	
DRAWING No. 20269/S278-3	REVISION B	

FOR APPROVAL