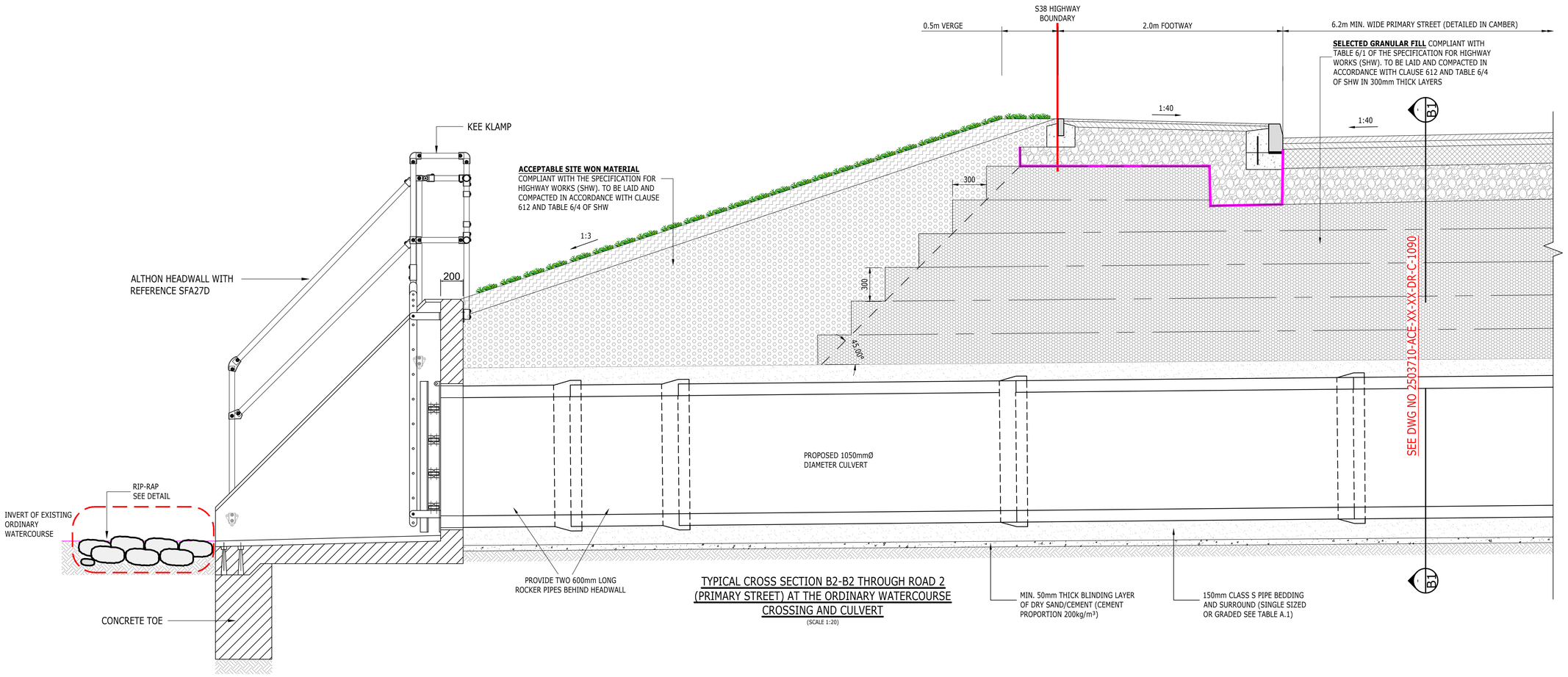
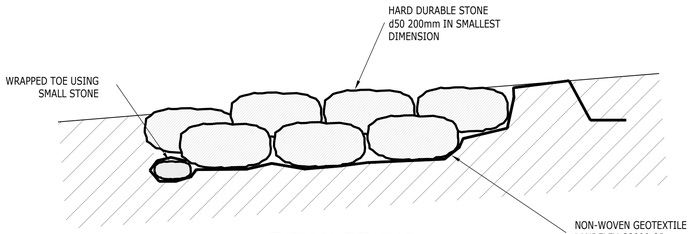


TYPICAL CROSS SECTION B2-B2 THROUGH ROAD 2 (PRIMARY STREET) AT THE ORDINARY WATERCOURSE CROSSING AND CULVERT

(SCALE 1:20)



TYPICAL RIP-RAP INSTALLATION DETAIL

(SCALE 1:10)

PIPE NOMINAL SIZE (DN)	NOMINAL MAXIMUM PARTICLE SIZE (mm)	CLASS OF BEDDING	MAXIMUM CF VALUE FOR ACCEPTABILITY	MATERIALS SPECIFIED IN BRITISH STANDARDS
100	10	S	0.15	10mm NOMINAL SINGLE-SIZE
		B	0.30	
		F	0.15	
		N	0.30	COARSE, MEDIUM OR FINE SAND
100 - 150	15	S	0.15	10, 14 OR 20mm NOMINAL SINGE-SIZE OR 14mm TO 5mm GRADED
		B	0.30	
		F	0.15	
		N	0.30	COARSE, MEDIUM OR FINE SAND
150 - 300	20	S	0.15	10, 14 OR 20mm NOMINAL SINGE-SIZE OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED
		B	0.30	
		F	0.15	
		N	0.30	ALL-IN AGGREGATE OR COARSE, MEDIUM OR FINE SAND
300-550	20	S	0.15	14 OR 20mm NOMINAL SINGE-SIZE OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED OR 20mm TO 5mm GRADED
		B	0.30	
		F	0.15	
		N	0.30	ALL-IN AGGREGATE OR COARSE, MEDIUM OR FINE SAND
OVER 550	40	S	0.15	14,20 OR 40mm NOMINAL SINGE-SIZE CRUSHED ROCK OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED OR40mm TO 5mm GRADED
		B	0.30	
		F	0.15	
		N	0.30	ALL-IN AGGREGATE OR COARSE, MEDIUM OR FINE SAND

TABLE A.1- PROCESSED GRANULAR BEDDING MATERIALS FOR RIGID PIPES

WATER INDUSTRY INFORMATION & GUIDANCE NOTE IGN 4-08-01

BOX NOTE 1 - ALL WORKS TO BE ADOPTED UNDER A S38 AGREEMENT SHALL BE STRICTLY IN ACCORDANCE WITH SCC'S 'CONSTRUCTION SPECIFICATION FOR DEVELOPMENTS, HIGHWAY WORKS'

BOX NOTE 2 - SEE DRAWING NO. 2503710-ACE-XX-00-DR-C-1001 FOR THE LOCATION OF THE TYPICAL SECTION SHOWN IN THIS DRAWING

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS (SEE CDM NOTES) AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
4. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME ONE, (MCHW1) SPECIFICATION FOR HIGHWAY WORKS.

KERB NOTES:

1. ALL KERBS TO BE IN ACCORDANCE WITH BS EN 1340.
2. KERB FOUNDATION TO BE LAID ON ROLLED SUB-BASE OF MINIMUM THICKNESS 110mm.
3. THE KERB BED AND BACKING SHALL NORMALLY BE LAID IN ONE OPERATION.
4. WHERE THE BED IS LAID IN ADVANCE OF THE KERBS A 200x20mm DIA. MILD STEEL DOWEL BARS WILL BE REQUIRED IN BACKING AT 600mm CENTRES AND KERBS WILL BE BEDDED ON 10mm THICK MORTAR TO DESIGNATION (i) OF CL. 2404 OF SHW.
5. KERBS SHALL BE LAID WITH DRY JOINTS AND CLOSELY BUTTED TO ADJACENT KERBS AND CHANNELS.
6. TRANSITION KERBS SHALL BE USED AT ALL CHANGES IN KERB FACE.
7. FOR KERB RADII OF 12m OR LESS AND CHANNELS OF THE APPROPRIATE RADIUS SHALL BE USED.
8. FOR RADII OF BETWEEN 12m AND 18m STRAIGHT KERBS 600mm LONG SHALL BE USED.
9. CUTTING KERBS AND CHANNELS SHALL BE BY APPROVED MECHANICAL MEANS.
10. THE LENGTH OF ANY KERB OR CHANNEL SHALL NOT BE LESS THAN 300mm.

CONSTRUCTION NOTES:

1. ALL SOFT SPOTS AND VOIDS SHALL BE REMOVED BEFORE CONSTRUCTION AND REPLACED WITH SUITABLE FILL MATERIAL.
2. APPROVED RESIDUAL WEEDKILLER, WHICH DOES NOT CONTAIN ATRAZINE OR SIMAZINE, MUST BE APPLIED TO ALL FORMATIONS.
3. ALL CONCRETE AND CEMENT MORTAR MUST BE SULPHATE RESISTING TO BS4021.
4. ALL CARRIAGEWAY MATERIALS SHALL BE SUPPLIED AND LAID IN ACCORDANCE WITH BS EN 13108 & BS 59487.
5. ALL MATERIALS IN CARRIAGEWAYS TO BE LAID BY MACHINE.
6. MINIMUM PAVEMENT DEPTH OF 450mm IS REQUIRED FOR NON FROST SUSCEPTIBLE MATERIAL.
7. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING THE CBR VALUES FOR EACH ACCESS ROAD AND SHALL SUBMIT DETAILS OF THE PROPOSED CONSTRUCTION TO THE ENGINEER IN WRITING FOR APPROVAL PRIOR TO COMMENCING THE WORKS.
8. A CAPPING LAYER, WITH A MINIMUM THICKNESS OF 600mm WILL BE REQUIRED WHEN THE CBR OF THE SUB-GRADE IS LESS THAN 2.5%.
9. THE CBR OF THE COMPACTED CAPPING LAYER SHALL BE AT LEAST 15%.
10. ALL EARTHWORKS TO BE IN ACCORDANCE WITH SERIES 600 OF SHW.
11. PROPOSED PAVEMENT CONSTRUCTION DETAILS BASED ON A DESIGN CBR VALUE OF 4.0%, TO BE CONFIRMED AS NOTED.

TENDER ISSUE

Rev	Description	Drn	Chk	App	Date
T2	DRAWING REFERENCE FOR THE SECTIONS ADDED	IK	IK	SDB	10.03.2026
T1	ISSUED FOR TENDER	IK	IK	SDB	28.11.2025
P1	DRAFT / WIP ISSUE	IK	IK	SDB	10.11.2025

Purpose: PRELIMINARY

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Client: BLOOR HOMES

Project Title: GREAT WILSEY PARK, HAVERHILL

Drawing Title: S38 HIGHWAY CONSTRUCTION DETAILS SHEET 9

Drawn by	Checked by	Approved by	Revision
IK	IK	SDB	T2

Scale: AS SHOWN

Date: OCT 2025

Drawing Number: 2503710-ACE-XX-XX-DR-C-1089

user name: iris kolaci