



TYPICAL BACKDROP DETAIL (SCALE 1:20)

GRANULAR SURROUND TO PIPES CLASS S & T BEDDING

COVER GREATER THAN 1.2m



CONCRETE SURROUND TO PIPES CLASS Z BEDDING

PIPE WITH COVER LESS THAN 1.2m IN TRAFFICKED AREAS AND LESS THAN 0.9m IN UN-TRAFFICKED AREAS & GULLY CONNECTIONS



1. MOVEMENT JOINT FORMED WITH 12mm BITUMEN IMPREGNATED COMPRESSIBLE BOARD AT EACH PIPE JOINT

TABLE 1						
	Strata	Dimension 'a'	Dimens			
	Soil	Bc or 100mm minimum. Not less than 50mm undersockets	150mm min. from barrel			
	Rock	Bc or 200mm minimum. Not less than 150mm undersockets	200mm min. from barrel			

Bc - External pipe diameter TABLE 2 - PIPE BEDDING & SURROUND FOR RIGID PIPES

Pipe nominal size (mm)	Aggregate to BS882			
150	10 or 14mm nominal single size 14mm to 5mm graded			
over 150 to 500	10, 14 or 20mm nominal single size 14mm to 5mm graded 20mm to 5mm graded			
over 500	10,14, 20 or 40mm nominal single size 14mm to 5mm graded 20mm to 5mm graded 40mm to 5mm graded			





ROAD GULLY DETAIL (NTS)





TRENCH BACKFILL DETAILS



(SCALE 1:20)

DETAIL OUTSIDE ROAD/ FOOTWAY/HARDSTANDING

Landscape subsoil topsoil

surround or filter

RODDING EYE DETAIL (PRIVATE ONLY (NTS)

NOTE

NOTES:

<u>GENERAL</u>

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DO NOT SCALE OFF THIS DRAWING.

DO NOT TAKE DIGITAL DIMENSIONS OFF THIS DRAWING.

GULLY COVER AND FRAME WITH CAPTIVE HINGE ACCESS TO EN124-D400 AND MARKED WITH BS KITEMARK OR LRQA. MINIMUM DEPTH OF FRAME 100mm. MINIMUM WATERWAY AREA 102cm²

- KERB

1 COURSE OF BRICKWORK MAY BE OMITTED WHERE IT INTERFERES WITH THE LINE OF KERBING

RODDING EYE WITH STOPPER AND CHAIN

- GULLY POT TO BE PRE-CAST CONCRETE OR ALTERNATIVELY A SUITABLE 450Ø PLASTIC POT MAYBE USED IF AGREED WITH THE HIGHWAYS INSPECTOR
- 150mm THICK ST4 MIX CONCRETE SURROUND

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH BECKWITH AND HANLON DRG. 24-011-200 SERIES DRAWINGS.

DRAINAGE NOTES

- ANY ADOPTABLE DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE WATER AUTHORITIES PUBLICATION "CODES FOR ADOPTION DESIGN AND CONSTRUCTION GUIDE (DCG)" AS WELL AS ANY ADDITIONAL REQUIREMENTS OF THE ADOPTING AUTHORITY AND APPROVED DRAWINGS. PRECAST CONCRETE MANHOLE RINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS5911:
- PART 200. ALL BRICKWORK TO BE CLASS B ENGINEERING COMPLYING WITH THE RELEVANT PROVISIONS OF BS 3921. CONCRETE BRICKS MAYBE USED IF THEIR SPECIFICATION IS THE SAME AS CLASS B
- ENGINEERING BRICKS. PLEASE SEEK APPROVAL FROM RELEVANT WATER AUTHORITY BEFORE USING MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124
- AND BE OF A NON-ROCKING, NON-VENTILATING DESIGN. THE USE OF PRECAST CONCRETE PRODUCTS & SULPHATE RESISTANT CEMENT IS MANDATORY,
- UNLESS A LABORATORY PROVES SUCH PRECAUTIONS ARE NOT NECESSARY.
- 150mm CONCRETE SURROUND IS REQUIRED AROUND PIPES WHERE THE DEPTH FROM FINISHED SURFACE TO PIPE SOFFIT IS LESS THAN 1200mm IN HARDSTANDING AREAS AND LESS THAN 900mm WITHIN OPEN SPACE.
- LOCATIONS OF ALL EXISTING SEWERS ON-SITE TO BE CONFIRMED & DETAILS PROVIDED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
- ALL TRENCHES UNDER EXISTING & PROPOSED HIGHWAYS ARE TO BE BACKFILLED WITH THOROUGHLY COMPACTED DOT TYPE 1 SUB-BASE.
- ALL STREET WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT LOCAL AUTHORITY DESIGN GUIDE & SPECIFICATION & ARE TO BE THE SUBJECT OF A SECTION 38 AGREEMENT OF HE HIGHWAYS ACT 1980.
- ROADS AND SEWERS CONTRACTOR MUST INFORM WATER AUTHORITY PRIOR TO WORKS COMMENCING ANY CONNECTION WORKS TO ADOPTED SEWERS.
- ALL CONNECTIONS TO EXISTING ADOPTED SEWERS ARE SUBJECT TO WATER AUTHORITY APPROVAL AND SECTION 106 OF THE WATER INDUSTRIES ACT 1991.
- 2. PRIVATE DRAINAGE TO BE 110mm DIA. UPVC PIPES WITH GRP OR UPVC INSPECTION CHAMBERS UNLESS NOTIFIED OTHERWISE. SYSTEM DESIGN & CONSTRUCTION TO CONFORM WITH MANUFACTURER'S INSTRUCTIONS & "GOOD PRACTICE GUIDE".
- 3. ALL PRIVATE DRAINAGE TO BE CARRIED OUT IN ACCORDANCE WITH BUILDING REGULATION REQUIREMENTS.
- 14. ALL CONNECTIONS TO BE TURNED IN DIRECTION OF FLOW USING PIPE BENDS.
- 15. ALL POLYPROPYLENE INSPECTION CHAMBERS SHALL BE IN ACCORDANCE WITH BS7158.

C1	CONSTRUCTION	ISSUE.			JH	JM	10/01/25				
	FIRSTISSUE				JH	JM	26/06/24				
NIGEL KAY HOMES LTD.											
SHEET 2											
BECKWITH BEC											
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