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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

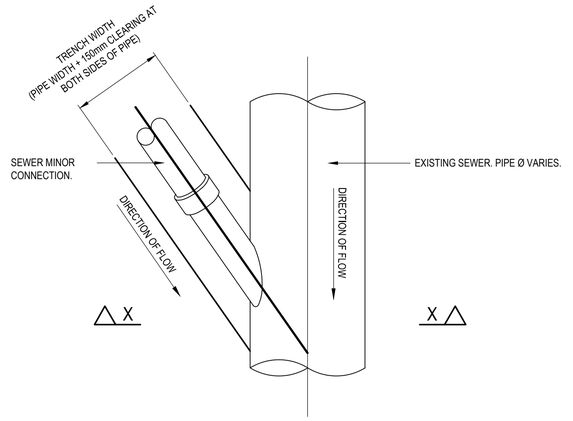
CONSTRUCTION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS ADJACENT TO LIVE ROADS
- WORKS IN CONTAMINATED GROUND CONDITIONS
- WORK IN PROXIMITY TO FLOOD ZONE

MAINTENANCE/CLEANING/OPERATION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS ADJACENT TO LIVE ROADS
- WORK IN PROXIMITY TO FLOOD ZONE

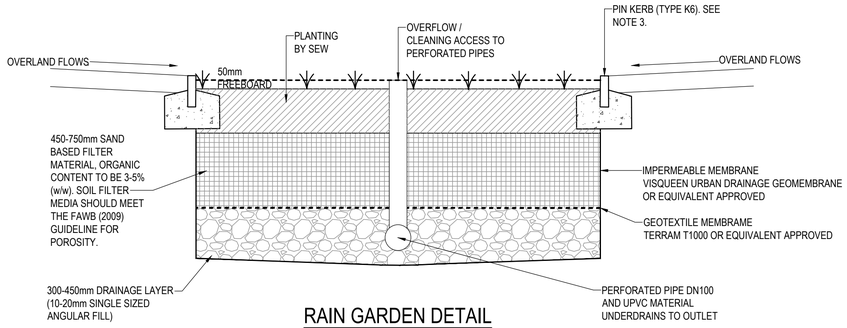
DECOMMISSIONING/DEMOLITION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS ADJACENT TO LIVE ROADS
- WORKS IN CONTAMINATED GROUND CONDITIONS
- WORK IN PROXIMITY TO FLOOD ZONE

Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWINGS 0042912-BHE-XX-XX-DR-C-2500 SERIES DRAWINGS FOR DRAINAGE LAYOUT PLAN.
3. REFER TO DRAWING 0042912-BHE-XX-XX-DR-C-2801 FOR PIN KERB (TYPE K6) DETAIL.

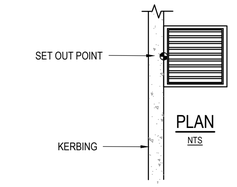


PLAN



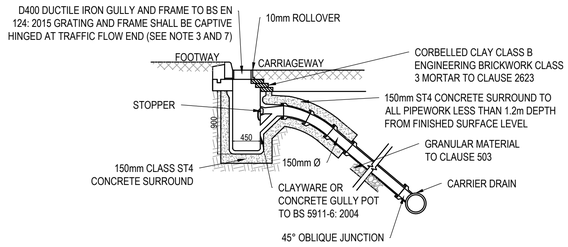
RAIN GARDEN DETAIL

NTS



PLAN

NTS



NOTES:

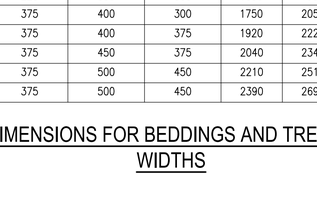
1. GULLY: ALL TO CLAUSE 508
   a.STANDARD GULLY POT OF 95 LITRES CAPACITY (450MM Ø)
   b.SMALL GULLY POT TO BE 50 LITRES CAPACITY (375MM Ø)
2. MAXIMUM TRENCH WIDTH FOR 150MM GULLY LEAD IS 600MM
3. CLAUSE NUMBERS REFER TO DEPT. OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS AMENDED AS APPROPRIATE
4. NUMBER OF BENDS MAY VARY DUE TO SITE DIFFERENCES
5. CONCRETE TO COMPLY WITH CLAUSE 2602 TABLE 26/1
6. CONCRETE SURROUND TO PIPES SHALL ALWAYS FINISH AT A JOINT
7. GULLY GRATINGS - STANDARD DETAIL D47

ROAD GULLY ON KERB LINE

(AS PER MCC's D12 DETAIL)

NTS

FOR ROAD GULLY CONNECTIONS, ALL PIPES TO BE 150Ø SUPER STRENGTH VITRIFIED CLAY TO SHW TO CLAUSE 501.



MINOR TO MAIN SEWER CONNECTIONS:

1. WHERE THE MAIN SEWER IS 225mm OR LESS, BRANCH CONNECTION SHOULD BE MADE BY INSERTING A NEW OBLIQUE ANGLED JUNCTION PIPE USING BANDSEA / FLEXSEAL COUPLINGS OR SIMILAR APPROVED.
2. WHERE THE MAIN SEWER IS GREATER THAN 225mm AND LESS OR EQUAL TO 450mm, OBLIQUE ANGLED SADDLE CONNECTIONS MAY BE USED, PROVIDED THAT THE INTERNAL DIAMETER OF THE CONNECTING PIPEWORK IS LESS THAN A THIRD OF THE PUBLIC SEWER.
3. PIPE SADDLES FOR CONCRETE OR CLAY SEWERS SHALL BE BEDDED IN CLASS M1 CEMENT MORTAR AND A CEMENT MORTAR FILLET FORMED TO GIVE AT LEAST 50mm COVER TO THE BASE OF THE SADDLE.

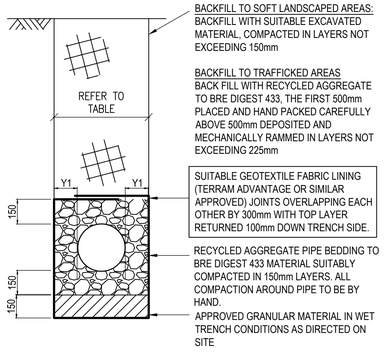
SECTION X-X

TYPICAL SADDLE CONNECTION TO EXISTING SEWER

NTS

PIPE DIA.	GRANULAR BEDDING			CONCRETE BEDDING		
	Y MINIMUM			MIN. TRENCH WIDTH	MAX. TRENCH WIDTH	L
	Y1 MIN.	Y2 MIN.	Y3 MIN.			
100	100	200	150	450	750	18
150	100	200	150	500	800	
225	100	200	150	600	900	
300	100	200	150	700	1000	
375	100	200	150	805	1105	
450	150	200	150	890	1190	36
525	150	200	150	975	1275	
600	150	200	150	1075	1375	
675	150	200	225	1165	1465	
750	225	300	225	1260	1560	
825	225	300	225	1355	1655	
900	225	300	225	1460	1760	
975	225	300	300	1505	1805	
1050	225	300	300	1580	1880	
1125	225	350	300	1650	1950	
1200	375	400	300	1750	2050	
1350	375	400	375	1920	2220	54
1500	375	450	375	2040	2340	
1650	375	500	450	2210	2510	
1800	375	500	450	2390	2690	

DIMENSIONS FOR BEDDINGS AND TRENCH WIDTHS



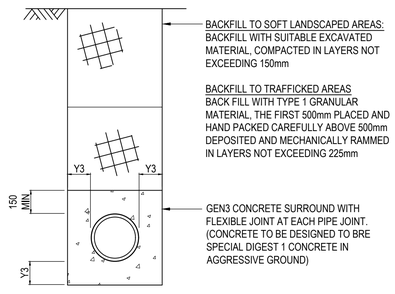
GRANULAR (CLASS S)

>1200mm DEPTH TO SOFFIT IN ROADS AND PAVEMENTS

DIMENSION 'Y1' TO BE 100mm MIN. UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE ENGINEER

Y2 IS TO BE USED IN PLACE OF Y1 WHERE THE EXCAVATION IS IN ROCK OR IN MIXED SOILS CONTAINING ROCK BEDS, BOULDERS, LARGE FLINTS, STONES OR OTHER IRREGULAR HARD SPOTS.

FOR ADOPTABLE SEWER, GRANULAR SURROUND MIN. THICKNESS OF 300 ABOVE CROWN OF PIPES.

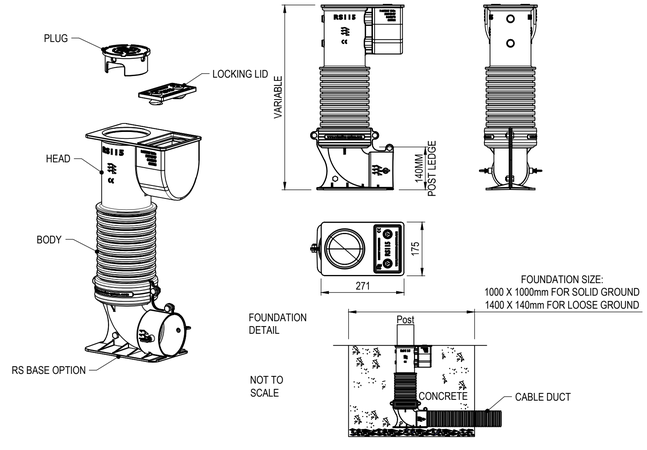


CONCRETE (CLASS Z)

- <1200mm DEPTH TO SOFFIT IN ROADS AND PAVEMENTS.
- ALL JOINTS IN CLASS Z BEDDING SHOULD BE FLEXIBLE JOINTS FORMER BY COMPRESSIBLE FILLER BOARD (THICKNESS 20mm)

BEDDING CLASSES

NTS



THIS DETAIL IS SHOWN INDICATIVELY. PLEASE REFER TO MANUFACTURES SPECIFICATION AND INSTALLATION DETAILS

RS115 RETENTION SOCKET WITH DUCKFOOT BEND DETAIL

NTS

Rev	Description	Date	Drn	Ch'd
C01	ISSUED FOR CONSTRUCTION	25.07.2025	HE	PA

FOR CONSTRUCTION

Status of drawing

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Architect SEW

Project MAYFIELD DEVELOPMENT PARTNERSHIP

Drg Title HIGHWAY WORKS
PROPOSED DRAINAGE DETAILS
SHEET 1

Scales@A1 AS SHOWN
Drawn by HE
Checked by PA

Job No. 0042912
Date JULY 2025
Rev C01

Drawing No. 0042912-BHE-XX-XX-DR-C-2850

Helen Elstone C:\Users\helstone\DOCDocs\Buro Happold (non-UEA)\0042912 Mayfield Park Manchester\Project Files\Engineering\08_Civils\01_Sheets\0042912-BHE-XX-XX-DR-C-2850s0b2.dwg