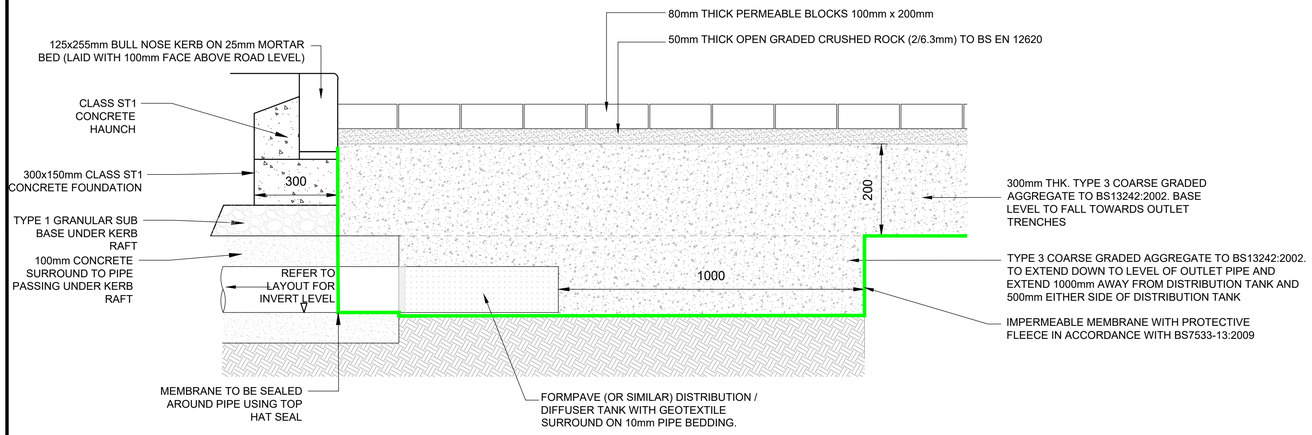
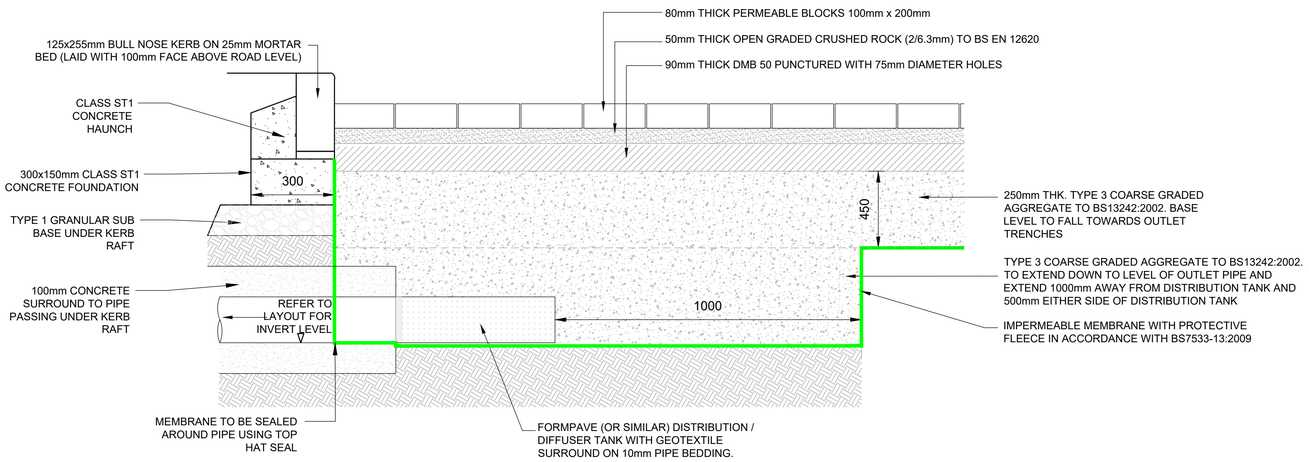


TYPICAL SECTION THROUGH LIGHT DUTY PERMEABLE BLOCK PAVING AND DIFFUSER TANK OUTLET

(SCALE 1:10)

THIS BUILD UP IS PROVIDED BY MARHSALLS IF AN ALTERNATIVE MANUFACTURER / PRODUCT IS USED AND ALTERNATIVE BUILD-UP WILL BE REQUIRED

ASSUMED CBR OF 4%

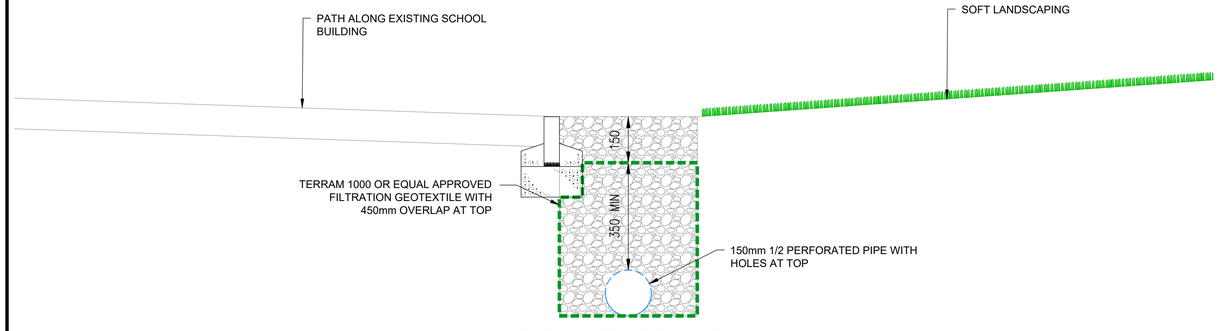


TYPICAL SECTION THROUGH MEDIUM DUTY PERMEABLE BLOCK PAVING AND DIFFUSER TANK OUTLET

(SCALE 1:10)

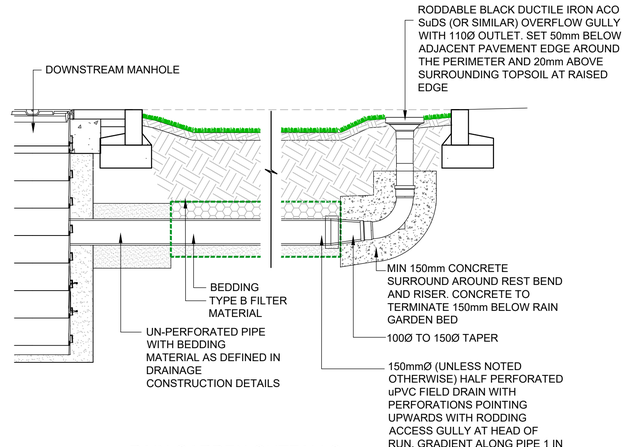
THIS BUILD UP IS PROVIDED BY MARHSALLS IF AN ALTERNATIVE MANUFACTURER / PRODUCT IS USED AND ALTERNATIVE BUILD-UP WILL BE REQUIRED

ASSUMED CBR OF 4%



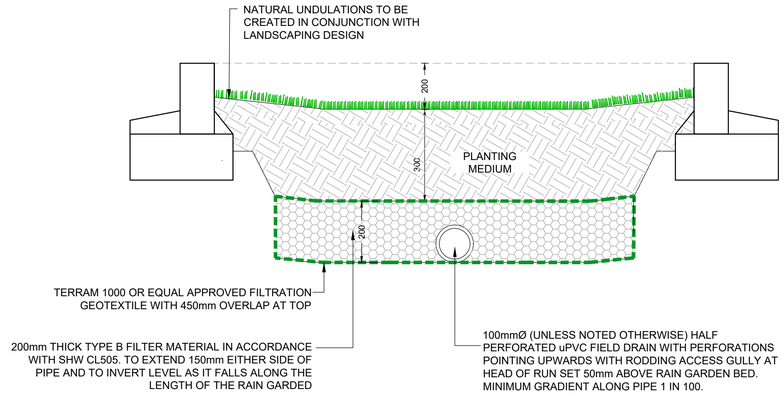
PAVEMENT FILTER TRENCH SECTION

(SCALE 1:10)



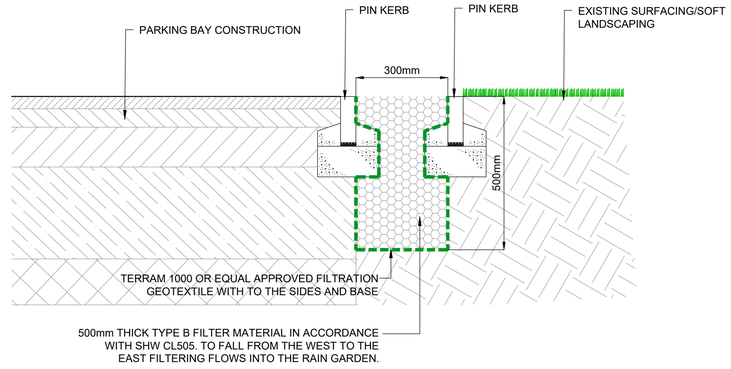
RAIN GARDEN OUTFALLS

(SCALE 1:20)



RAIN GARDEN SECTION

(SCALE 1:10)



FILTER TRENCH DETAIL

(SCALE 1:10)

DO NOT SCALE

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT.
2. DO NOT SCALE THIS DRAWING. USE DOCUMENTED DIMENSIONS ONLY. IF IN DOUBT SEEK CONFIRMATION FROM THE ENGINEER.
3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE.
4. PROPOSED RAIN GARDEN LOCATION SHOULD BE CLEARLY MARKED BEFORE SITE WORK BEGINS AND PROTECTED BY SIGNAGE AND SILT FENCING TO AVOID DISTURBANCE DURING CONSTRUCTION. NO VEHICULAR TRAFFIC EXCEPT THAT SPECIFICALLY USED TO CONSTRUCT THE COMPONENT SHOULD BE ALLOWED CLOSE TO THE RAIN GARDEN. EXCAVATING EQUIPMENT SHOULD OPERATE FROM THE SIDE OF THE RAIN GARDEN AND NOT THE BASE. IF COMPACTION DOES OCCUR A MINIMUM OF 300mm DEPTH OF SOIL SHOULD BE REMOVED AND REPLACED WITH A BLEND OF TOPSOIL AND SAND TO PROMOTE INFILTRATION AND BIOLOGICAL GROWTH.
5. RAIN GARDEN SHOULD NOT RECEIVE RUN OFF UNTIL VEGETATION IS FULLY ESTABLISHED AND CONSTRUCTION HAS REACHED A STATE WHERE SEDIMENT LOADS WILL NOT CAUSE RAPID SILTATION. THIS COULD BE ACHIEVED BY PLACING A TEMPORARY EROSION CONTROL BLANKET EG JUTE, STRAW OR GEOSYNTHETIC MATS OVER THE FRESHLY APPLIED SEED MIX.
6. RAIN GARDEN SHOULD BE SALT TOLERANT.
7. RAIN GARDEN SHOULD BE PLANTED AT A TIME OF YEAR WHEN SUCCESSFUL PLANT ESTABLISHMENT WITHOUT IRRIGATION IS MOST LIKELY. IF MORE THAN 30% OF THE PLANTED AREA IS BARE AFTER FOUR WEEKS, RESEEDING OR REPLANTING SHOULD BE CARRIED OUT TO ACHIEVE 90% COVERAGE.
8. WHERE A SECURE WATERTIGHT JOINT IS REQUIRED BETWEEN THE PIPEWORK AND THE SUDS SWALE INLET UNIT, A SUITABLE PROPRIETARY SEALANT SHOULD BE USED.
9. PIPES FOR DRAINAGE SHOULD COMPLY WITH THE SPECIFICATION REQUIREMENTS AND TO BE ONE OF THE FOLLOWING:
   -VITRIFIED CLAY TO BS 65,
   -CONCRETE TO BS5911:PART 100.
   -UNPLASTICISED POLYVINYL-CHLORIDE TO BS 4660 OR BS5481.
   -PLASTICS TO BS4962.
10. TOPSOIL THAT IS TO BE USED UNDER VEGETATION ON SUDS FEATURES MUST BE IN ACCORDANCE WITH BS EN 3882:2015 AND BE SANDY LOAM IN TEXTURE CLASSIFICATION.
11. GRAVITY DRAINS SHOULD BE TESTED BETWEEN MANHOLES AND SHALL COMPLY WITH THE CONDITIONS GIVEN AT AIR TEST AND WATER TEST.
12. ALL DRAINS AND CONNECTIONS TO BE FULLY COLOUR CCTV SURVEYED ON COMPLETION OF THE WORKS. THIS SHALL BE SUPPORTED BY A PLAN OF THE DRAINS SURVEYED, TOGETHER WITH A DETAILED REPORT ON THE CONDITION OF THE DRAINS.
13. SUDs COMPONENTS TO BE CONSTRUCTED IN ACCORDANCE WITH C768 GUIDANCE ON THE CONSTRUCTION OF SUDS AND C753 THE SUDS MANUAL (AND IN PARTICULAR CHAPTER 31 RELATING TO CONSTRUCTION).

NOTE:-

THIS DRAWING REPRESENTS THE 'AS DESIGNED' DETAILS OF THE CIVIL ENGINEERING SOLUTIONS PROPOSED BY "JASPER KERR". TO THE BEST OF OUR KNOWLEDGE IT INCORPORATES ANY MODIFICATIONS CARRIED OUT DURING THE CONSTRUCTION PERIOD. HOWEVER, MODIFICATIONS MADE BY THIRD PARTIES MAY NOT BE INCLUDED..

Rev	Date	By	Description	Chk	App
X	26/02/26	OH	AS BUILT	FM	DH
C03	26/11/25	OH	FILTER TRENCH SECTION ADDED	DH	DH
C02	19/08/25	SB	FILTER TRENCH DETAIL ADDED	SB	SB
C01	30/01/25	OH	CONSTRUCTION ISSUE	SB	SB
T01	08/12/23	SB	TENDER ISSUE	DH	DH
P01	10/10/23	DH	INITIAL ISSUE	DH	DH

Drawing Status: AS BUILT

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Client: SOUTH TYNESIDE COUNCIL

Architect: SPACE ARCHITECTS

Project: MORTIMER COMMUNITY COLLEGE EXTENSION

Title: SuDS CONSTRUCTION DETAILS

Scale @ A1	Checked		Approved
1:250	DH		DH
Project No.	**Designed**	**Drawn**	**Date**
JK-7144	DH	DH	OCTOBER 2023

Drawing No.: 08713-JKC-XX-ZZ-DR-C-1002 — Rev.: X

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