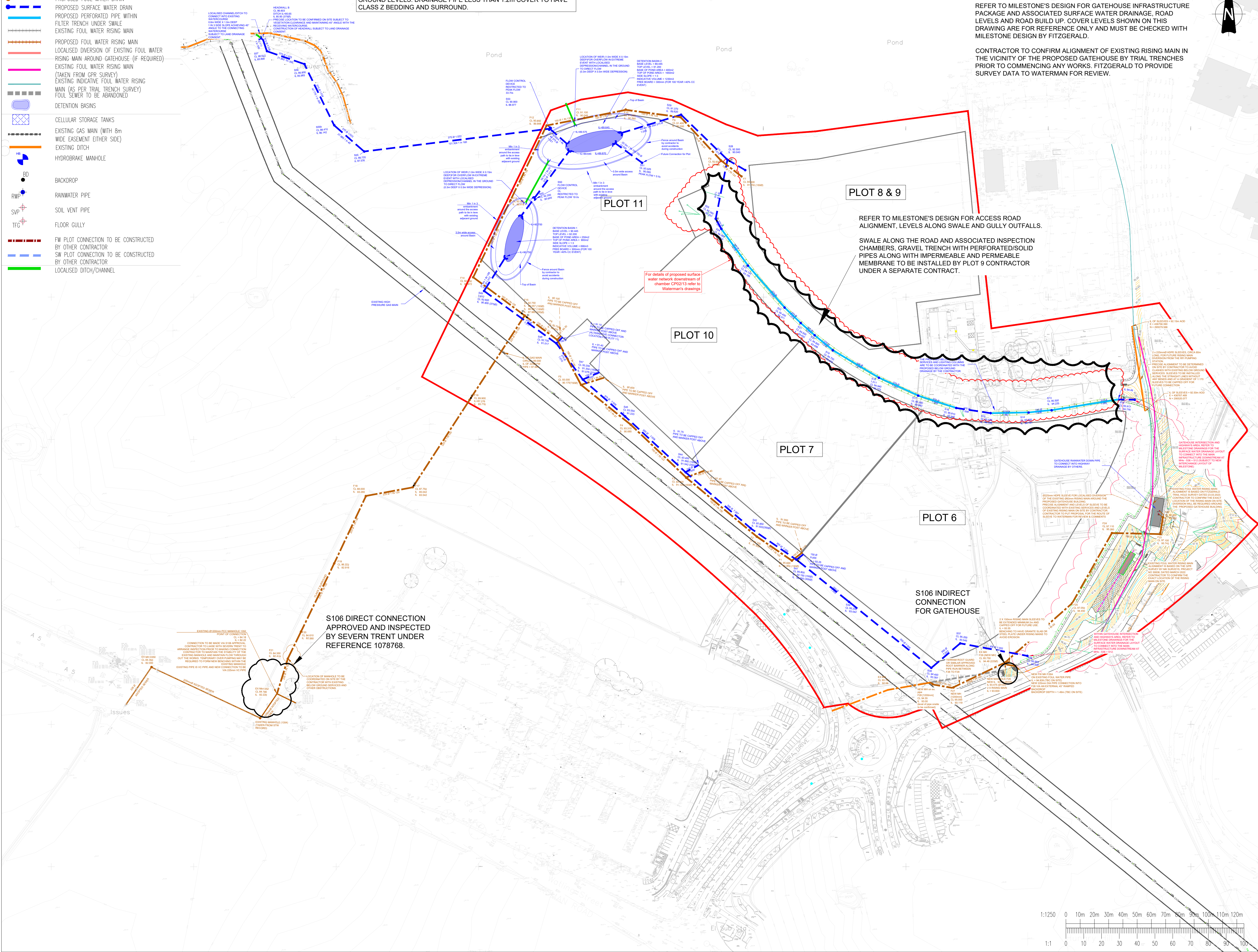


KEY:

- RED LINE BOUNDARY
- EXISTING ADOPTED FOUL WATER SEWER
- EXISTING PRIVATE FOUL WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- PROPOSED SURFACE WATER DRAIN
- PROPOSED PERFORATED PIPE WITHIN FILTER TRENCH UNDER SWALE
- EXISTING FOUL WATER RISING MAIN
- PROPOSED FOUL WATER RISING MAIN
- LOCALISED DIVERSION OF EXISTING FOUL WATER RISING MAIN AROUND GATEHOUSE (IF REQUIRED)
- EXISTING FOUL WATER RISING MAIN (TAKEN FROM GPR SURVEY)
- EXISTING INDICATIVE FOUL WATER RISING MAIN (AS PER TRIAL TRENCH SURVEY)
- FOUL SEWER TO BE ABANDONED
- DETENTION BASINS
- CELLULAR STORAGE TANKS
- EXISTING GAS MAIN (WITH 8m WIDE EASEMENT EITHER SIDE)
- EXISTING DITCH
- HYDROBRAKE MANHOLE
- BACKDROP
- RAINWATER PIPE
- SOIL VENT PIPE
- FLOOR GULLY
- FW PLOT CONNECTION TO BE CONSTRUCTED BY OTHER CONTRACTOR
- SW PLOT CONNECTION TO BE CONSTRUCTED BY OTHER CONTRACTOR
- LOCALISED DITCH/CHANNEL

ANY CONSTRUCTION WORKS TO BE MINIMUM 8m AWAY FROM THE WATER BODY/WATERCOURSE.

PROPOSED MANHOLE COVER LEVELS OUTSIDE OF REDLINE BOUNDARY TO BE 300mm HIGHER THAN SURROUNDING GROUND LEVEL FOR VISIBILITY. CONTRACTOR TO CHECK THE EXISTING GROUND LEVELS. DRAINAGE PIPE LESS THAN 1.2m COVER TO HAVE CLASS Z BEDDING AND SURROUND.



REFER TO MILESTONE'S DESIGN FOR GATEHOUSE INFRASTRUCTURE PACKAGE AND ASSOCIATED SURFACE WATER DRAINAGE, ROAD LEVELS AND ROAD BUILD UP. COVER LEVELS SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY AND MUST BE CHECKED WITH MILESTONE DESIGN BY FITZGERALD.

CONTRACTOR TO CONFIRM ALIGNMENT OF EXISTING RISING MAIN IN THE VICINITY OF THE PROPOSED GATEHOUSE BY TRIAL TRENCHES PRIOR TO COMMENCING ANY WORKS. FITZGERALD TO PROVIDE SURVEY DATA TO WATERMAN FOR REVIEW.

PLOT 8 & 9

REFER TO MILESTONE'S DESIGN FOR ACCESS ROAD ALIGNMENT, LEVELS ALONG SWALE AND GULLY OUTFALLS.

SWALE ALONG THE ROAD AND ASSOCIATED INSPECTION CHAMBERS, GRAVEL TRENCH WITH PERFORATED/SOLID PIPES ALONG WITH IMPERMEABLE AND PERMEABLE MEMBRANE TO BE INSTALLED BY PLOT 9 CONTRACTOR UNDER A SEPARATE CONTRACT.

PLOT 10

PLOT 7

PLOT 6

S106 DIRECT CONNECTION APPROVED AND INSPECTED BY SEVERN TRENT UNDER REFERENCE 1078768.

S106 INDIRECT CONNECTION FOR GATEHOUSE

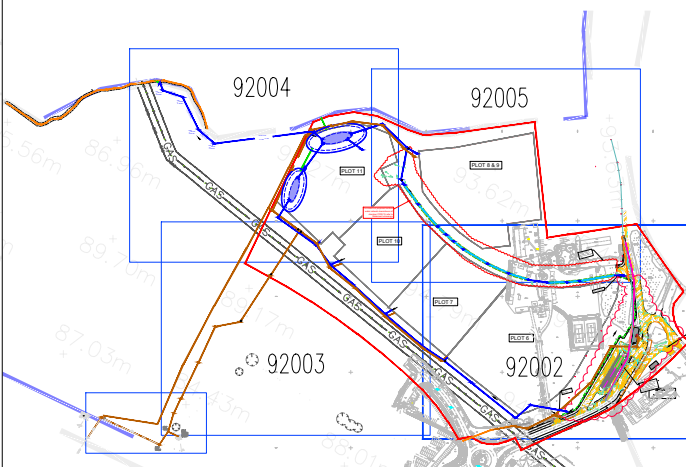
This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Infrastructure & Environment Limited, and the drawing is issued on the condition that it is not copied, reproduced, related or disclosed to any unauthorised person, either wholly or in part without the consent in writing of Waterman Infrastructure & Environment Limited

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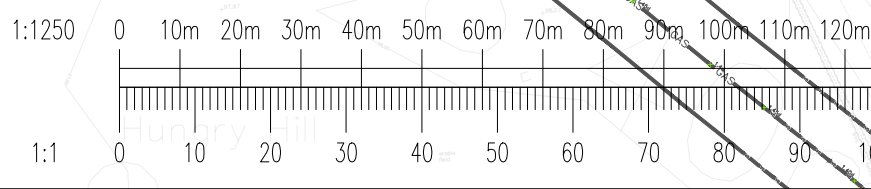
GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEER'S, ARCHITECT'S OR OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.
- THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.
- ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
- ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES AND REGULATIONS.
- THE PEAK DISCHARGE RATE FROM PLOTS 6 TO 11 WILL BE RESTRICTED TO QBAR RATE OF 1/s, WHICH EVER IS GREATER, THE TOTAL PEAK SURFACE WATER DISCHARGE RATE INCLUDING THE PROPOSED INFRASTRUCTURE AND PLOTS OFF SITE INTO THE EXISTING DITCH AT THE NORTH WEST CORNER WILL BE RESTRICTED TO QBAR RATE. THE PEAK DISCHARGE RATE WILL REMAIN 33.7 1/s UP TO AND INCLUDING THE STORM EVENTS 1 IN 100 YEAR WITH AN ALLOWANCE OF 40%.
- THE FOWL WATER WILL BE DISCHARGED AT AN UNRESTRICTED RATE FROM THE PLOTS INTO EXISTING SEVERN TRENT FOUL SEWER LOCATED WITHIN HORBA MIRA BOUNDARY TOWARDS AS, THE POINT OF CONNECTION IS MANHOLE 1352. CONTRACTOR TO MAINTAIN STABILITY OF THE EXISTING MANHOLE WHILE MAKING CONNECTION. TEMPORARY OVER PUMPING MAY BE REQUIRED TO MAINTAIN FLOW WHILE FORMING NEW BENCHING.
- CONNECTION INTO EXISTING FOUL SEWER IS VIA S106 APPROVAL FROM SEVERN TRENT. CONTRACTOR TO LIAISE WITH SEVERN TRENT TO ORGANISE INSPECTION DURING THE CONNECTION.
- CONNECTION INTO THE ORDINARY WATERCOURSE TO THE NORTH WEST BOUNDARY IS VIA LAND DRAINAGE CONSENT. CONTRACTOR TO LIAISE WITH LAND DRAINAGE TEAM TO ORGANISE INSPECTION DURING THE WORKS.
- THE PROPOSED BELOW GROUND DRAINAGE SERVICES AND LIGHTING COLUMNS TO BE COORDINATED WITH THE PROPOSED BELOW GROUND DRAINAGE BY THE CONTRACTOR.
- INTERCHANGE LAYOUT IS AS PER MILESTONE'S DRAWING 20-170-505-C01 RECEIVED ON 14TH SEPT 2023. PLEASE REFER TO MILESTONE'S DRAWINGS FOR DETAILS AND SURFACE WATER LAYOUT.



C09	31.01.24	SWALE AND ASSOCIATED DRAINAGE ALONG LINDLEY AVENUE TO BE INSTALLED BY PLOT 9 CONTRACTOR	SP	SP
C08	26.09.23	INTERCHANGE LAYOUT ADDED. SLEEVE FOR TWIN RISING MAINS ADDED	AS	SP
C07	05.07.23	CL UPDATED AND FW DRAINAGE FOR GATEHOUSE UPDATED	AS	SP
C06	12.05.23	SPUR CONNECTIONS TO PLOTS REMOVED. ACCESS ROAD RELATED DRAINAGE TO BE INSTALLED LATER	AS	SP
C05	05.05.23	HEADWALL AND DITCH TO BE 45° ANGLE WITH ORDINARY WATERCOURSE	AS	SP
C04	28.04.23	FARMLAND OFF SITE DRAINAGE DETAILS ADDED	AS	SP
C03	26.04.23	FW MH F1 TO F6 RAISED & SW S83 TO S87 UPDATED	AS	SP
C02	11.04.23	LAND REGISTRY OVERLAIN	AS	SP
C01	31.03.23	ISSUE FOR ADVANCE DRAINAGE WORKS	AS	SP
P08	23.03.23	FW ROUTE UPDATED & ISSUED FOR S106 CONNECTION	AS	SP
P07	06.09.22	UPDATES TO FW ROUTING + ATT REQUIREMENT	KS	SP
P06	11.08.22	MINOR UPDATES TO DRAINAGE	KS	SP
P05	08.08.22	ISSUED FOR STAGE THREE	KS	SP
P04	20.04.22	ISSUED FOR PLANNING	KS	SP
P03	14.04.22	UPDATED SITE BOUNDARY	KS	SP
P02	29.03.22	ISSUED FOR COMMENTS	AS	SP
P01	22.03.22	FIRST ISSUE	AS	SP

Rev	Date	Description	By
Amendments			
Project			
MIRA LIF2			
Title			
PROPOSED DRAINAGE LAYOUT SHEET 1 OF 5			
Client			
SWANVALE DEVELOPMENTS LTD			
Status			
FOR CONSTRUCTION			
Designed By	AS	Checked By	SP
Drawn By	AS	Date	April 2023
Project - Originator - Volume - Level - Type - Role - Number			Revision
13833-WIE-ZZ-XX-DR-D-92001			C09



B. Site Photographs



General site conditions ahead of works commencement



Trench boxing to support installation of new drainage infrastructure



Placement of crushed demolition material to support new roadways



Placement of imported Type 1 for road build up



Internal view for new drainage pipework installed



Installation of drainage covers



Attenuation pond with new outfall



Stockpiling of soils excavated for attenuation ponds



Drainage connection to surrounding ditches



New roadway interchange and footpath installed

C. Materials Information

- **Specification Sheets for Concrete Crushing**
- **Material Stockpile Locations During LIF-2 Works**

Liquid and Plastic Limits and Plasticity Indices

Report No: DAM0089593/455/M1 **Report Date:** 10 May 2023

Client: DMH TESTING LTD **Our Contract Ref:** 51074551

Address: 74 FAREHAM AVENUE
RUGBY
CV22 5HT
GB **Tested By:** SOCOTEC Central

Client Contact: Not Advised **Date Sampled:** 24 Apr 2023

Site: J3015, Horiba Mira, A5 Watling Street, Nuneaton **Date Received:** 24 Apr 2023

Material Specification: 6F2 **Date Tested:** 28 Apr 2023

Material Supplier: Client **Sample Type:** BULK BAGS

Material Source: Site **Sampling Certificate:** Received

Method of preparation: BS1377-1:1990 7.4.3 & BS 1377-2:1990 4.2 **Samples Submitted by:** SOCOTEC Central

Sampled by: Client

Results:

Sample Reference	Client's Ref	Location	Description	Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing on 425 µm
45418451	23/15936	Loc 1 (See map)	Slightly Clayey Crushed Rock, Brick and Concrete	9.0	36	24	12	**17
45418452	23/15937	Loc 2 (See map)	Slightly Clayey Crushed Rock, Brick and Concrete	8.3	38	25	13	**11
45418453	23/15938	Loc 3 (see map)	Slightly Clayey Crushed Rock, Brick and Concrete	7.5	38	27	11	**12
45418454	23/15939	Loc 4 (See map)	Slightly Clayey Crushed Rock, Brick and Concrete	8.2	37	25	12	**15
45418455	23/15940	Loc 5 (See map)	Slightly Clayey Crushed Rock, Brick and Concrete	11	35	26	9	**14

* Washed over 425µm BS Test Sieve

** As received, coarse particles removed by hand prior to test

Comments: Actual % passing 425µm BS Test Sieve from separate grading analysis

Certified that the Liquid and Plastic Limits and Plasticity Indices were determined in accordance with BS1377-2:1990 Clauses 4.4, 5.0 and 5.4 respectively
Certified that the Moisture Content was determined in accordance with BS1377-2:1990 3.2

Signed:



Hannah Wortley - Senior Reporting Officer
for and on behalf of SOCOTEC UK Limited