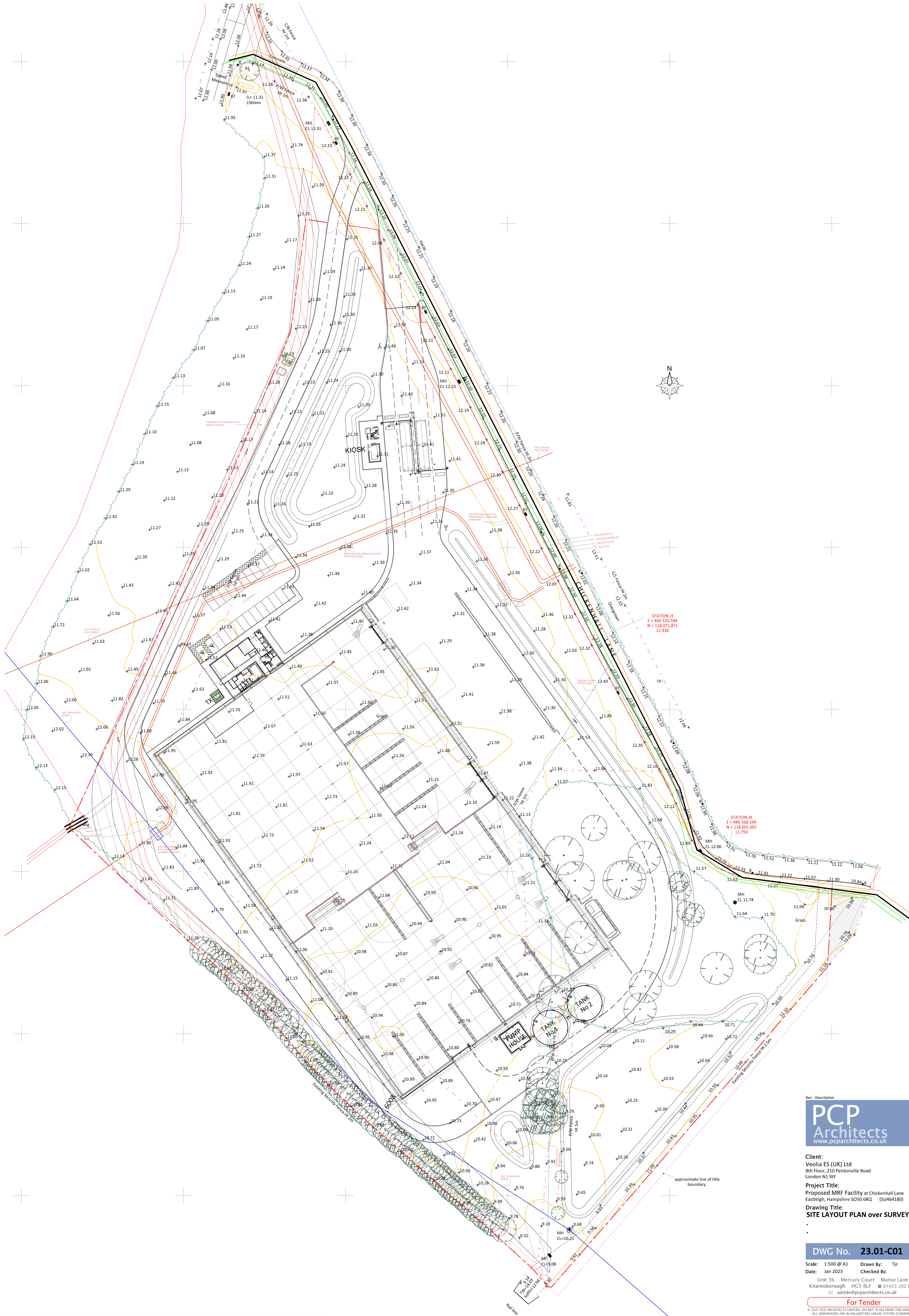


B Materials Recycling Facility (MRF) Site Layout



Client:
Veolia ES (UK) Ltd
8th Floor, 210 Pentonville Road
London N1 9JY

Project Title:
Proposed MRF Facility at Chickenhall Lane
Eastleigh, Hampshire SO50 6RQ (SU464180)

Drawing Title:
SITE LAYOUT PLAN over SURVEY

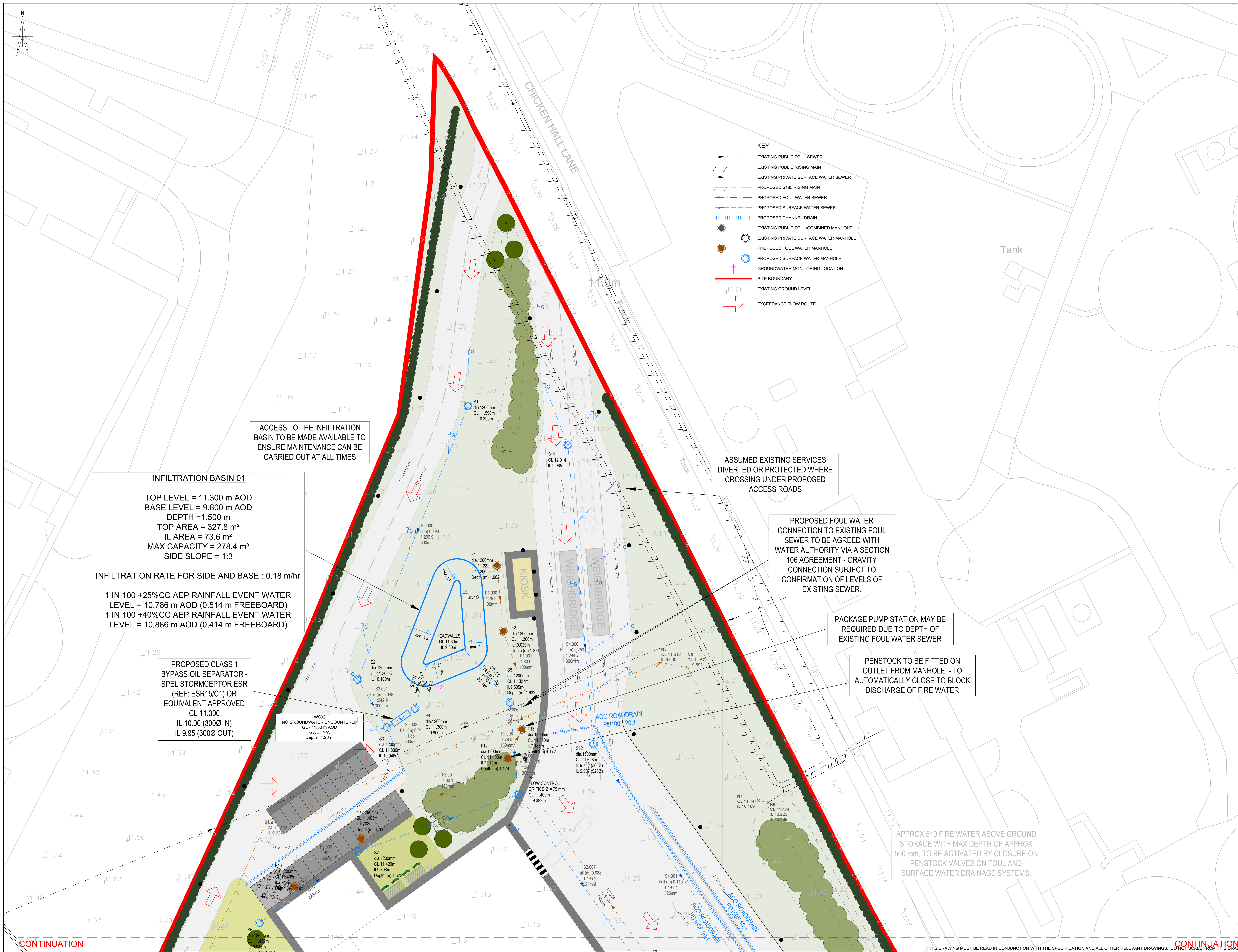
DWG No. **23.01-C01**

Scale: 1:500 @ A1
Date: Jan 2023

Drawn By: Tjc
Checked By:
Unit 3b Mercury Court Manse Lane
Knarsborough HG5 8LF ☎ 01423 202 600
admin@pcparchitects.co.uk

For Tender

© 2021 PCP ARCHITECTS LIMITED. DO NOT SCALE FROM THIS DRAWING.
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT
DRAWINGS AND SPECIFICATIONS. ALL AREAS ARE SUBJECT TO A SITE SURVEY.



- NOTES**
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT WEETWOOD DRAWINGS.
 2. ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE
 3. ALL LEVELS IN METRES.
 4. ALL PROPOSED DRAINAGE TO BE MINIMUM 1500 UNLESS NOTED OTHERWISE.
 5. MINIMUM GRADIENTS:
5.1. 1500 FOUL WATER = 1:100
5.2. 1500 SURFACE WATER = 1:100
 6. ALL CONNECTING PIPES TO ADOPTABLE DRAINAGE TO BE MINIMUM 1500.
 7. ALL RAINWATER PIPES MUST BE FITTED WITH A RODDABLE ACCESS ABOVE GROUND.
 8. ALL PRIVATE DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH PART H OF THE BUILDING REGULATIONS AND BS EN 752 & 12056.
 9. PRIVATE DRAINAGE TO BE 1500 UPVC PIPES WITH GRP OR UPVC INSPECTION CHAMBERS. SYSTEM DESIGN & CONSTRUCTION TO CONFORM WITH MANUFACTURER'S INSTRUCTIONS & "GOOD PRACTICE GUIDE".
 10. EXISTING LEVEL INFORMATION TAKEN FROM AXIS PROPOSED SITE PLAN (REF: 2710-01-005 JUNE 2021).
 11. EXISTING PRIVATE DRAINAGE INFORMATION TAKEN FROM AXIS DRAINAGE PLAN DRAWING (REF: N/A, MAY 2021).
 12. EXISTING PUBLIC SEWER RECORDS INDICATIVELY LOCATED FROM SOUTHERN WATER SEWER RECORDS AND AXIS DRAINAGE PLAN. PUBLIC SEWER CONNECTIONS TO BE CONFIRMED ON SITE.

INFILTRATION BASIN 01

TOP LEVEL = 11.300 m AOD
BASE LEVEL = 9.800 m AOD
DEPTH = 1.500 m
TOP AREA = 327.8 m²
IL AREA = 73.6 m²
MAX CAPACITY = 278.4 m³
SIDE SLOPE = 1:3

INFILTRATION RATE FOR SIDE AND BASE : 0.18 m/hr

1 IN 100 +25%CC AEP RAINFALL EVENT WATER LEVEL = 10.786 m AOD (0.514 m FREEBOARD)
1 IN 100 +40%CC AEP RAINFALL EVENT WATER LEVEL = 10.886 m AOD (0.414 m FREEBOARD)

PROPOSED CLASS 1 BYPASS OIL SEPARATOR - SPEL STORMCEPTOR ESR (REF: ESR15/C1) OR EQUIVALENT APPROVED CL 11.300 IL 10.00 (3000 IN) IL 9.95 (3000 OUT)

NO GROUNDWATER ENCOUNTERED
GL - 11.30 m AOD
GWL - N/A
Depth - 4.20 m

ASSUMED EXISTING SERVICES
DIVERTED OR PROTECTED WHERE
CROSSING UNDER PROPOSED
ACCESS ROADS

PROPOSED FOUL WATER
CONNECTION TO EXISTING FOUL
SEWER TO BE AGREED WITH
WATER AUTHORITY VIA A SECTION
106 AGREEMENT - GRAVITY
CONNECTION SUBJECT TO
CONFIRMATION OF LEVELS OF
EXISTING SEWER.

PACKAGE PUMP STATION MAY BE
REQUIRED DUE TO DEPTH OF
EXISTING FOUL WATER SEWER

PENSTOCK TO BE FITTED ON
OUTLET FROM MANHOLE - TO
AUTOMATICALLY CLOSE TO BLOCK
DISCHARGE OF FIRE WATER

APPROX 540 FIRE WATER ABOVE GROUND
STORAGE WITH MAX DEPTH OF APPROX
500 mm, TO BE ACTIVATED BY CLOSURE ON
PENSTOCK VALVES ON FOUL AND
SURFACE WATER DRAINAGE SYSTEMS.

FOR PLANNING PURPOSES ONLY

P5	09.11.23	Drainage updated to suit LLFA comments	TB	DH
P4	28.07.23	Drainage updated to suit revised basin extents	TB	DH
P3	19.07.22	Proprietary treatment systems added to drainage network	MD	TB
P2	12.07.22	Drainage layout amended due to groundwater monitoring results	MD	TB
P1	05.08.21	Issued for comment	MD	GW

Rev	Date	Description	Drawn	Check

Weetwood
Development • Planning • Environment

Suite C22 Josephs Wells
Hanover Walk, Leeds
LS3 1AB
Tel 0113 244 1377
info@weetwood.net
www.weetwood.net

Client
AXIS P.E.D. LTD

Drawing Status	Date
PLANNING	JUN 2021

Project	Scale (A0)
LAND OFF CHICKENHALL LANE EASTLEIGH MRF SITE	1:250

Project No	Checked
4986	GW

Title	Drawing No
INDICATIVE DRAINAGE LAYOUT	100

Revision	
P5	

1 OF 2



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FOR PLANNING PURPOSES ONLY

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Client	AXIS P.E.D. LTD
Drawing Status	PLANNING
Project	LAND OFF CHICKENHALL LANE EASTLEIGH MRF SITE
Project No.	4986
Title	INDICATIVE DRAINAGE LAYOUT
Drawing No.	101
Revision	P5
Date	JUN 2021
Scale (A0)	1:250
Drawn	MD
Checked	GW