FIELD DRAINAGE SYSTEM – 219m LENGTH OF 0.9m WIDE PERCOLATING TRENCHES WITH 100ø SLOTTED RIGID PIPE, LAID IN GRANULAR MATERIAL AT GRADIENT OF 1:200. 80 PERSONS WITH Vp=12 TO BE LOCATED A MINIMUM OF 15.0m FROM ANY BUILDING.

DRAINAGE FIELD
IL – 32.790

SEWERAGE TREATMENT PLANT FOR 80PE (SPECIFIED BY THE SUPPLIER).
SIZE OF STP TBC.
INCOMING HEAD OFFICE FOUL LOCATION AND INVERT LEVEL TBC

Piped network from SW-IC 12 to the ditch headwall does not achieve self-cleansing due to the shallow gradient of the pipe. Therefore, a specific maintenance regime shall be implemented as to negate the risk of pipe blockages due to sediment / debris build-up. Such maintenance taks shall include regular inspections and de-silting as necessary

Hydro-Brake vortex flow control chamber. CTL-SHE-0071-2000-0710-2000. Flow to be limited to 2.0 l/s 0.710m Design Head

DETENTION BASIN
IL (IN) - 32.790
IL (OUT) - 32.790
BASE - 32.790
TOP OF BANK - 33.800
TOP OF WATER - 33.500
Freeboard = 0.300m
27.5m long x 18.0m wide (varies) x 1.01m deep
Total plan area = 640m²
Basin Volume = 540m³
(218m³ at 1-in-100 year + CC storm event)

FOREBAY

Granular bund within basin to form a forebay area. Forebay area is to provide sediment filtration to the surface water prior to it entering the main detension basin area

BUND TO BE RESHAPED TO ALLOW ACCESS TO TEMPORARY GRASS PARKING AREA

ACCESS TO TEMPORARY GRASS PARKING AREA

PADEL COURTS
FFL: 34.015

PADEL COURT CENTRE
FFL: 34.015

HEAD OFFICE
FFL: 35.200

A3025 Portsmouth Road

area overgrown
no access to survey

Sports Pavilion

Bowling Green

Parking

Marquee

football pitch

DO NOT SCALE THIS DRAWING

SURFACE WATER DRAINAGE LAYOUT
GENERAL ARRANGEMENT
1:250

KEY

- Permeable Access / Parking build-up with Type 3 Sub-base. (SEE DETAIL 1)
- Detention Basin (see detail)
- Surface water drainage pipes
- Surface Water Inspection Chamber
- R/E — Rodding Eye
- +33.500 (+33.000) (0.300) — Cover level / (formation level) / Type 3 Sub-base thickness
- Foul Water Sewer
- Foul Water Inspection Chamber

! CDM 2015 - RESIDUAL RISKS !

In preparing the designs illustrated by this drawing we have fulfilled our duties in the role of Designer as defined in the Construction Design and Management Regulations 2015. We have undertaken a full Hazard Identification and Risk Analysis and have designed out any special risks associated with the work, so that as far as possible there are no residual risks.

NOTE: Residual risks are defined as those risks arising from identified hazards which cannot be designed-out, and which a competent and experienced building contractor is unlikely to encounter during normal construction activities. Ordinary risks arising from normal construction operations have not been included.

Where hazards have been identified, the risks from which it has not been possible to eliminate during the design process, these are indicated on the drawing. It will be the responsibility of the Principal Contractor to develop Safe Systems of Work and/or Method Statements to minimise any risks associated with such hazards.

NOTE: It is incumbent on the subcontractors and installers to making themselves familiar with the current industry standards relating to their works as well as reviewing and installing such works in accordance with the current Building Regulations, British Standards, NHBC Standards, Standards Compliance Guides, Industry Association Standards and the product data sheets such as BBA certification and manufacturer's instructions.

NOTES

1. This drawing has been prepared using a Site Plan Drawing supplied by the client in AutoCAD format.

2. This drawing is to be read in conjunction with all relevant Engineers' and Architects' drawings and specifications.

3. All dimensions are in millimetres unless noted otherwise. All levels are in metres.

4. The contractor is responsible for setting out and for checking dimensions.

5. In accordance with The Construction (Design and Management) Regulations 2015 (CDM 2015) the Principle Designer and Contractor are to:
   - Notify HSE of works.
   - Comply with the requirements of Health and Safety Plan (if applicable)
   - Provide risk assessments and method statements for all potential hazards relevant to this project.

6. The main contractor shall be responsible for the setting out and accuracy of all dimensions. The contractor shall be satisfied that the information given is correct and any discrepancies should be noted to the Engineer immediately.

7. The Contractor is responsible for specifying product and codes and ordering of drainage materials.

8. Cover grades are in accordance with BS497 Pt 1
Cover Grades : D400 - carriageways.
B125 - carriageways for slow traffic.
A15 - inaccessible to vehicles

9. All drainage pipes within development site to be 100mm dia unless shown otherwise.

10. All uPVC drainage to be installed to BS5955 Pt6 and in strict accordance with the manufacturers instructions.

11. All uPVC drainage products to conform to BS EN1401 & Kite mark certified in accordance with specification.

12. DO NOT SCALE. If discrepancy or query arises on dimensions consult Engineer.



Date	By	Revision	QA'D	Chk'd	Ref
16.11.26	TB	PADAL RWP CONNECTION PIPE ADDED			C4
01.10.26	TB	FOUL REVISED			C3
25.09.26	TB	FOUL ADDED. CONSTRUCTION ISSUE			C2

Status: CONSTRUCTION

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Sholing, Southampton, Hampshire, SO19 9PW

Title: DRAINAGE GA LAYOUT
1 of 2

Date	Apr 2026	Scale	As Shown @ A1	Drg. No.
Drawn	TB	Chk'd	EG	QA'D	424686-201C4