SPECIFICATION NOTES

1. ALL DRAINAGE SHALL BE CONSTRUCTED AND COMMISSIONED IN ACCORDANCE WITH BS EN 295 & BS EN752, BUILDING REGULATIONS DOC. H AND ANY PARTICULAR REQUIREMENTS OF THE BUILDING CONTROL OFFICER.

2. DRAIN BEDDING IS TO BE PROVIDED AS D200.0, D200.1 and D200.2 AS SHOWN ON THE DRAINAGE DETAILS SHEETS.

3. 'EFFECTIVE COVER' IS THE MINIMUM DEPTH OF COVER OVER THE PIPE CROWN AT ANY TIME DURING THE CONSTRUCTION PROCESS.

4. ALL CONCRETE PIPEWORK, MANHOLES AND FITTINGS SHALL BE TO BS 5911 (ALL RELEVANT PARTS). ALL CONCRETE PIPEWORK TO BE TO HIGH STRENGTH

5. WHERE CONNECTIONS ARE TO BE MADE TO EXISTING MANHOLES/SEWERS, INVERT LEVELS, PIPE SIZES & ORIENTATION SHALL BE CHECKED PRIOR TO THE COMMENCEMENT OF THE WORKS AND ANY VARIANCE REPORTED TO THE ENGINEER IMMEDIATELY.

6. WHERE PIPELINES CROSS, EACH IS TO BE SURROUNDED WITH GRADE ST4 MASS CONCRETE FOR A DISTANCE NOT LESS THAN 1m CENTRED ON THE CROSSING POINT. LENGTH OF SURROUND TO BE EXTENDED AS NECESSARY TO WITHIN 150mm OF THE NEXT NEAREST FLEXIBLE JOINTS.

7. THE CONTRACTOR IS TO ENSURE THAT PROTECTIVE MEASURES ARE TAKEN TO ENSURE THAT DRAINAGE PIPEWORK AND FITTINGS ARE NOT DAMAGED BY SITE TRAFFIC PRIOR TO OVERSITE FILLING OPERATIONS BEING COMPLETED AROUND BUILDINGS.

8. ALL PRIVATE DRAINAGE PIPEWORK SHALL BE PVCu. ALL ADOPTED DRAINAGE TO BE VC. ALL UNDERBUILDING DRAINS TO BE LAID AT A GRADIENT OF 1:40

9. WHERE DRAINS PASS THROUGH FOUNDATIONS OR CONNECT TO MANHOLES, FLEXIBLE PIPE JOINTS ARE TO PROVIDED WITHIN 150mm OF THE FACE OF THE STRUCTURE AND WITHIN A FURTHER 600mm TO FORM A ROCKER PIPE.

10. WHERE PIPES PASS THROUGH SCREEN WALLS, FOOTINGS OR RETAINING WALLS, LINTELS ARE TO BE PROVIDED.

11. WHERE PIPELINES PASS WITHIN 1m OF BUILDINGS OR WALLS THE FOUNDATIONS ARE TO BE TAKEN DOWN BELOW THE BOTTOM OF THE TRENCH

12. 450mm DIA. INSPECTION CHAMBERS (FIC/SIC) MAY BE USED:
- WITH 350mm REDUCED OPENING WHERE THE DEPTH FROM COVER TO INVERT EXCEEDS 1000mm.

300mm DIA. POLYPROPYLENE ACCESS CHAMBERS (FAC/SAC) MAY BE USED
- WHERE THE DEPTH FROM COVER TO INVERT DOES NOT EXCEED 600mm AND WHERE THE PIPE SIZE DOES NOT EXCEED 100mm DIA.

13. ALL MANHOLE COVERS TO BE DUCTILE IRON

GRADES:
B125 - USED FOR DOMESTIC DRIVEWAYS OR AREAS OF OCCASIONAL VEHICULAR RUNOVER
C250 - LIGHTLY TRAFFICKED ROADS AND SMALL PRIVATE CAR PARKS
D400 - MAIN ROADS, HIGHWAYS AND HIGH TRAFFIC AREAS

14. COVER LEVELS SHOWN 'CL' AND INVERT LEVELS SHOWN 'IL' ARE IN METRES ABOVE ORDNANCE DATUM.

15. ALL DRAINS TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE

16. ALL DRAINS MARKED 'FWS' OR 'SWS' ARE PROPOSED ADOPTED SEWERS AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH 'SEWERS FOR ADOPTION, 7TH EDITION'

DESIGN NOTES

1. STORAGE DESIGN BASED ON 1 IN 100 YR STORM + 40%.

2. DRAIN POINTS AND LOCATIONS AS PER ARCHITECT'S DESIGN AND SETTING OUT.

3. CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.

4. EXISTING TREES TO BE PROTECTED WHERE EXCAVATIONS RUN CLOSE.

5. SECTION 106 APPROVAL TO BE GAINED FOR CONNECTIONS TO SEWER.

6. CONTRACTOR TO ALLOW FOR NEW FOUL AND SURFACE WATER CONNECTIONS INTO EXISTING SEWERS.

7. DRAINAGE COORDINATED WITH FOUNDATIONS DESIGN; STRUCTURAL ENGINEER TO REVIEW AND HIGHLIGHT ANY CLASHES.

8. EXISTING SEWERS TO BE ACCURATELY SURVEYED TO CONFIRM INVERT LEVELS.

9. INVERT LEVELS FOR INTERNAL DRAINAGE TO BE 300mm BELOW UNDERSIDE OF SSL TO ALLOW FOR PIPE BEND.

N

GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.

2. Tender or billing drawings shall not be used for construction or the ordering of materials.

3. Do not scale. All dimensions and levels to be site confirmed.

4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.

5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.

6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

KEY

- Private surface water drain
- Private foul drain
- Existing Southern Water storm sewer
- Existing Southern Water foul sewer
- Existing private combined drain to remain
- Existing private combined drain to be removed
- SIC — Private storm inspection chamber
- SEL — Private storm SEL flow control chamber (refer to manufacturer's for specification)
- SIC CP — Private storm catch pit
- RWP — Private storm rain water pipe
- YG — Private storm yard gully
- Private cellular attenuation tank
- FIC — Private foul inspection chamber
- SVP/SS — Private foul drain point
- ExSW FMH — Existing Southern Water Foul Manhole
- ExSW SMH — Existing Southern Water Storm Manhole

SIC CP
CL 7.100
IL 6.420
SL 6.120

Proposed Cellular Attenuation Tank
1.5m x 12m x 0.4m DEEP
Contributing Area: 571m²
Minimum Ground Level: 7.100
Top of Tank: 6.630
Bottom of Tank: 6.230

FIC
CL 7.095
IL 6.430

RP
CL 7.090
IL 6.385

FIC
CL 7.100
IL 6.415

FAC
CL 7.100
IL 6.415

FIC
CL 7.100
IL 6.415

FFL
7.250

YG

SWD 150ø 1:150

FIC
CL 7.100
IL 6.335

SIC CP
CL 7.055
IL 6.320
SL 6.020

FIC
CL 7.100
IL 6.335

SIC CP
CL 6.850
IL 6.205
SL 5.905

SIC
CL 6.850
IL 6.195

IL 6.230

ExBN

SWD 150ø 1:150

SWD 150ø 1:150

FWD 100ø 1:80

FIC
CL 7.100
IL 6.500

SIC
CL 6.950
IL 6.250

FIC
CL 6.985
IL 6.845

ExFMH
CL 6.970
IL 6.255

SWD 150ø 1:70

FWD 100ø 1:60

Existing manhole to be removed and disposed of offsite

FAC
CL 7.200
IL 6.415

FIC
CL 7.100
IL 6.420

FWD 100ø 1:45

FIC
CL 7.215
IL 6.500

SWD 150ø 1:150

SIC
CL 6.990
IL 6.100

SIC CP
CL 6.980
IL 6.035
SL 5.735

FWD 150ø 1:9

FIC
CL 6.935
IL 6.020 (TBC)

Proposed manhole connection onto existing private combined drain. Connection subject to approval to S106 approval from Southern Water

Existing FWD 150ø 1:43

Existing Foul Southern Water Sewer 450ø

Existing Foul Southern Water Sewer 225ø

ExSW FMH741D
CL Unknown
IL Unknown

Existing Storm Southern Water Sewer

ExSW SMH7450
CL 7.14
IL 5.52

Existing Storm Southern Water Sewer 225ø

ExSW FMH7401
CL 6.77
IL 5.65

ExSW SMH7451
CL 6.80
IL 5.02

Existing Foul Southern Water Sewer 450ø

Existing Foul Southern Water Sewer 225ø

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IVY AR

T1	TENDER ISSUE	13/07/23	NG	MW
P1	Initial Issue	18/04/23	LT	MW
Rev.	Amendments	Date	Dsn	Chk

Status: TENDER

Client: HAMPSHIRE HOMES

Architect:

Project: IVY ARCH ROAD WORTHING

Title: PROPOSED DRAINAGE LAYOUT

Date: APRIL 2023 | Scale @ A1: 1:100

Clients Ref. | Project Ref.: 12465

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Drawing Number: 12465/1600 | Rev.: T1