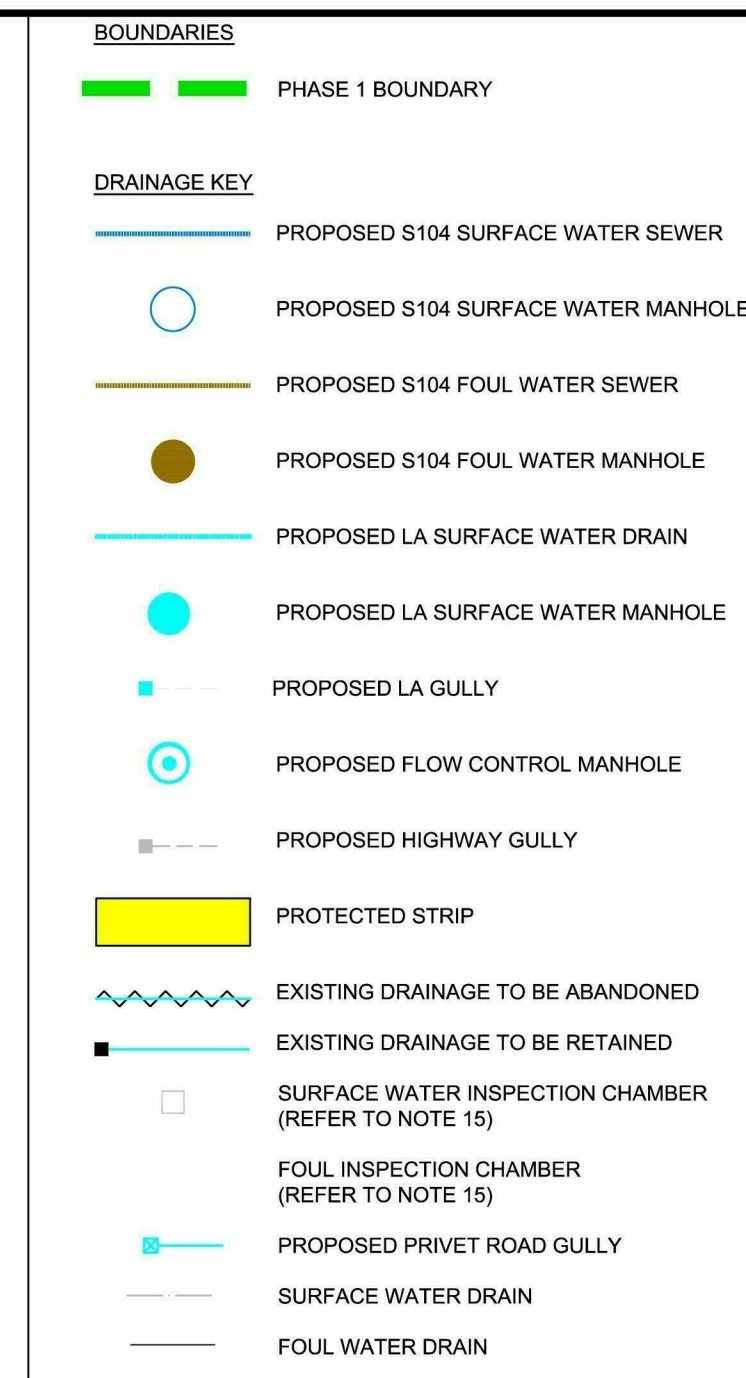


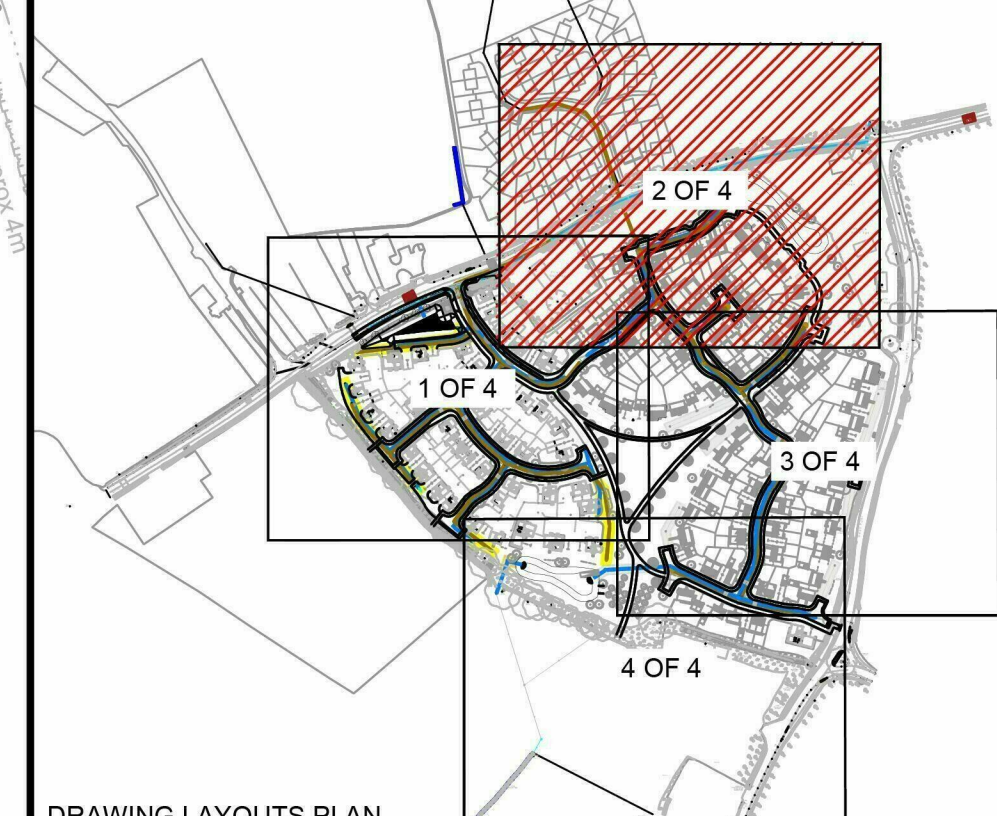


1. THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED ADAPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN THE WELSH MINING STANDARDS FOR SEWERS OF THE "ADOPTION" 7TH EDITION AND THE REQUIREMENTS OF DWR CYMRU WELSH WATER AS THE STATUTORY SEWERAGE UNDERTAKER. A NOTE TO THIS EFFECT MUST BE INCORPORATED INTO THE ADOPTION DRAWINGS.
2. WHERE A CONNECTION TO THE PUBLIC SEWER IS REQUIRED PLEASE INCORPORATE A NOTE ON THE SECTION 104 LAYOUT DRAWING STATING THAT "UPON COMPLETION OF THE SECTION 104 ADOPTION AGREEMENT, A SECTION 108 CONNECTION TO THE MAIN MUST BE MADE TO DCWM". THE DEVELOPER SHALL GIVE 21 DAYS' NOTICE PRIOR TO CONNECTION, THE WORKS MAY ONLY BE UNDERTAKEN BY A SIPS APPROVED CONTRACTOR COMPLYING WITH DWR CYMRU WELSH WATER'S ACCESS TO ASSETS POLICY."
3. "ALL ADAPTABLE SEWERS OR LATERAL DRAINS ARE TO BE LAID AT A MAXIMUM GRADIENT OF 1:5. WHERE SITE LAYOUT DICTATES A RAMPED BACKDROP MAY BE UTILISED, ALTHOUGH STEEPER GRADIENTS ARE PREFERRED AND SHOULD BE PROVIDED WHERE PRACTICABLE."



1. DO NOT SCALE FROM THIS DRAWING.

2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN UNLESS NOTED OTHERWISE.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
5. ALL MATERIALS AND WORKSMANSHIP WILL BE AS SPECIFIED IN THE SPECIFICATION UNLESS NOTED OTHERWISE.
6. ALL LEVELS, DIMENSIONS AND LOCATIONS ARE TO BE CHECKED BY THE MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.
7. ALL HIGHWAY WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE HIGHWAYS AGENCY SPECIFICATION FOR HIGHWAY WORKS AND AS AMENDED IN THE CLAUSES AND APPENDICES IN THE "SPECIFICATION OF CONTRACT DOCUMENTS".
8. ALL ROAD MARKINGS TO COMPLY WITH THE TRAFFIC SIGNS REGULATIONS & GENERAL DIRECTIONS 2019.
9. ALL ADAPTABLE DRAINAGE WORKS HAVE BEEN DESIGNED AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH "SEWERS FOR ADOPTION 7th EDITION" AND WELSH WATER SUPPLEMENT GUIDELINES AND STANDARD DETAILS.
10. ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO B S EN 295 1991 PART 1.
11. ALL PRECAST CONCRETE PIPEWORK SHALL BE TO THE CLASS STATED ON THE DRAWINGS IN ACCORDANCE WITH "IN ACCORDANCE WITH B S EN 1916:2002 ALSO, ALL MANHOLES AND CHAMBERS SHALL BE TO B S EN 1917:2002.
12. THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS CONVERTED BY B S 4660:2000 & B S EN WITH W5 4.35-01 UP TO AND INCLUDING 300mm. (BY PRIOR AGREEMENT WITH APPLICABLE AUTHORITY) MAX PIPE LENGTH TO BE 3.0m.
13. ANY SEWER FOR ADOPTION WITH LESS THAN 1.2m COVER TO ROAD TO BE COVERED IN FIELDS SHALL HAVE A MINIMUM OF 150mm ST4 CONCRETE SURROUND FLEXIBILITY SHALL BE MAINTAINED BY THE PROVISION OF FLEXCELL OR SIMILAR SURROUND JOINT FILLER BREAKS IN THE CONCRETE SURROUND AT EACH JOINT.
14. THIS DRAWING HAS BEEN BASED UPON SURVEY / OS INFORMATION SUPPLIED BY GREEN HATCH GROUP AND ROYAL HANSHOP DHV SHALL NOT BE LIABLE FOR ANY INACCURACY OR DEFICIENCIES ARISING FROM IT.
15. ALL INSPECTION CHAMBERS (PICP) TO BE POLYPIPE 460mm, 150mm CHAMBER BASE OR SIMILAR APPROVED.
16. ALL ADAPTABLE PIPES LAID UNDER TREE CANOPIES MUST BE PROTECTED FROM DAMAGE FOR DETAIL REFER TO PIPE BEDDING DETAILS ON DRAWING PB6859-RHD-DE-11-DD-05008.



DRAWING LAYOUTS PLAN

I10	03.05.19	POND OVERFLOW REVISED	RMV	PV	DJ
I09	03.04.19	OVERFLOW 2 ADDED	RMV	PV	DJ
I08	08.03.19	OUTFALL 2 REVISED	RMV	PV	DJ
I07	22.11.18	SW FOR ADOPTION	RMV	PV	DJ
I06	02.10.18	AMENDED TO SOLICITORS COMMENTS	RH	PV	DJ
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

CLIENT



PROJECT

KINGSTONE PROPOSED
RESIDENTIAL DEVELOPMENT

SECTION 104
PROPOSED FOUL & DRAINAGE LAYOUT
SHEET 2 OF 4



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Website www.royalhaskoning.com

DRAWN AA	CHECKED PV	APPROVED DJ
DATE 22.01.18	SCALE 1:250	REF. DD0050

DRAWING No.	REVISION
PB6859-RHD-DE-I1-DR-D-5101	I10

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