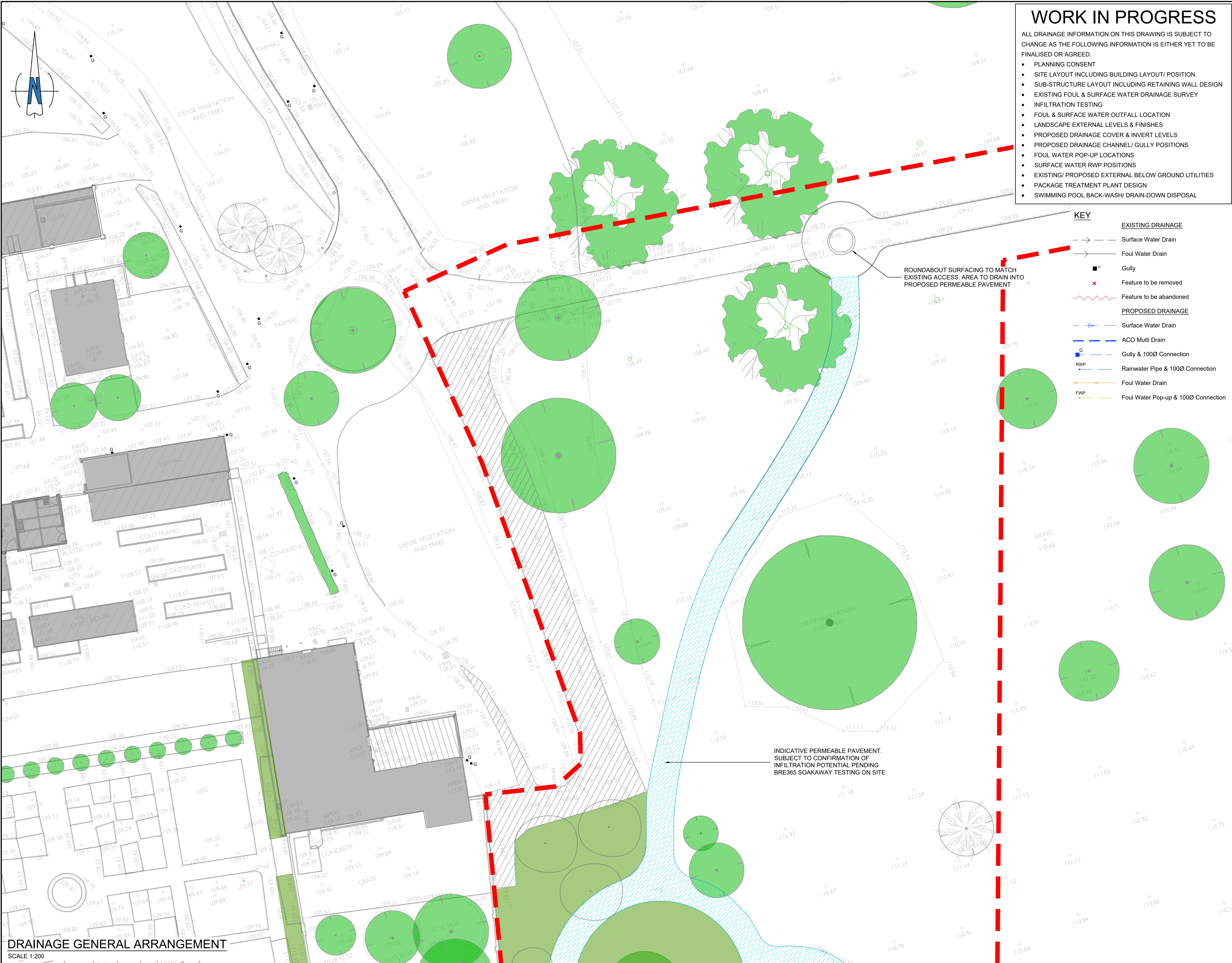




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- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND FOR THE STABILITY OF THE WORKS IN PROGRESS.
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- ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
- CLASS 2 CONCRETE SURROUNDING TO BE PROVIDED FOR PIPES WITH DIAMETERS LESS THAN 100mm. THE CROWN OF THE PIPE FOR ROADS AND 100mm FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
- PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
- ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE.
- ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESS MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
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- FOR SETTING OUT DIMENSIONS OF SWS, SVPS, RWPS, FLOOR GULLYS & OTHER DRAINAGE "POP UP" LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
- ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
- ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
- AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND ROOFING ACCESS.
- ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
- CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
- WHERE NEW DRAINAGE IS SITUATED WITHIN 1 METRE OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
- ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.
- ATTENUATION STORAGE CALCULATIONS INCLUDE CLIMATE CHANGE ALLOWANCE OF 40% IN ACCORDANCE WITH CURRENT ENVIRONMENT AGENCY GUIDELINES.

P02	UPDATED FOR PLANNING	23.05.25 ARJ IW
P01	DRAFT ISSUE FOR COMMENT	09.05.25 ARJ IW
REV	DESCRIPTION	DATE BY APP

QED structures

CONSULTING CIVIL AND STRUCTURAL ENGINEERS
TEL +44 (0) 1273 033680

QED PROJECT No.
25-091

CLIENT
Lydhurst Estate
New Dwelling

PROJECT
Lydhurst Estate
New Dwelling

TITLE
Foul & Surface Water Drainage
General Arrangement
Sheet 2

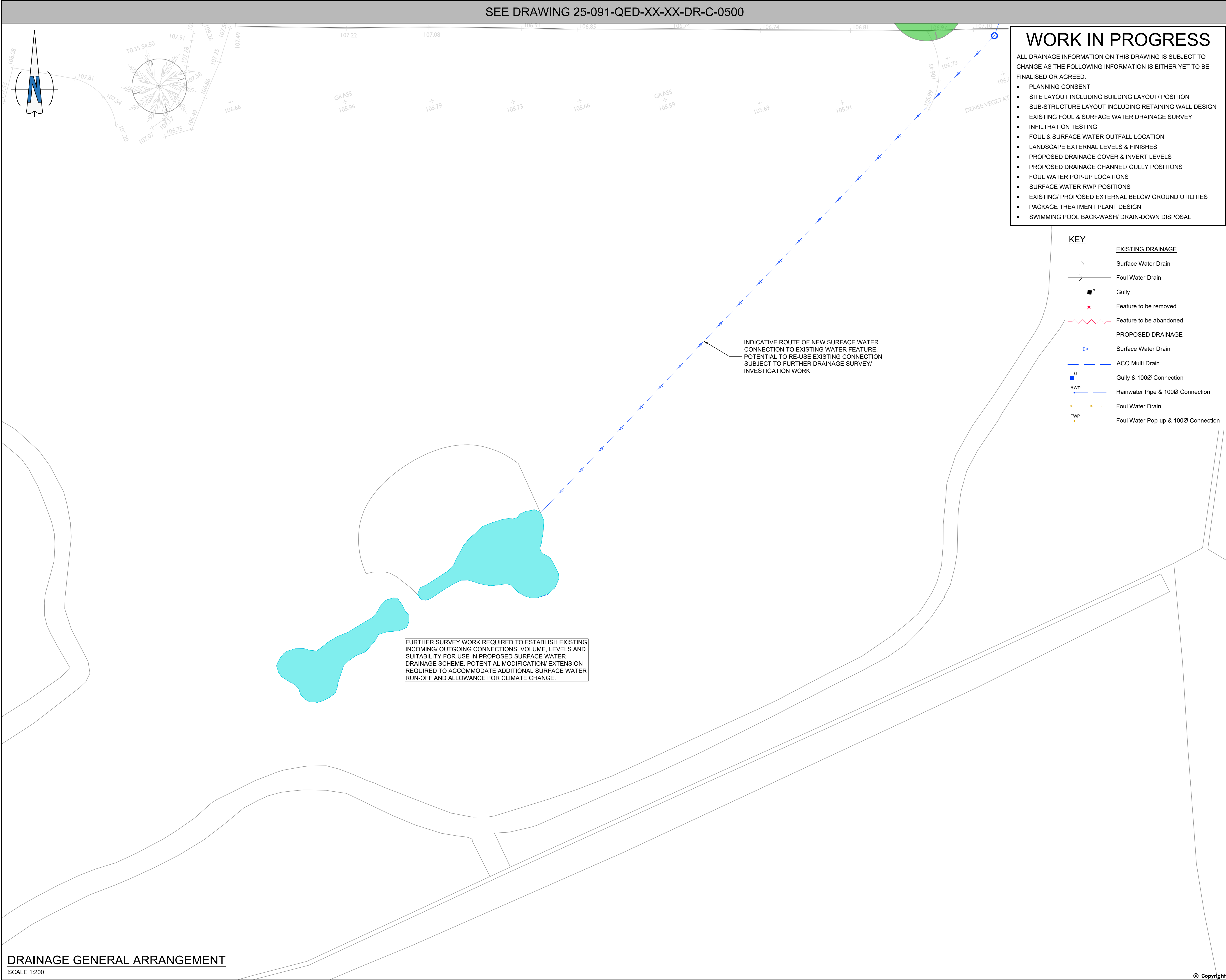
DRAWN ARJ	ENGINEER ARJ	CHECKED BY CB	APPROVED BY JR
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DATE APPROVED 09.05.25	SCALE @ A1 1:200
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STATUS
S2 - INFORMATION

DRAWING No. 25-091-QED-XX-XX-DR-C-0501	REVISION P02
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WORK IN PROGRESS

ALL DRAINAGE INFORMATION ON THIS DRAWING IS SUBJECT TO CHANGE AS THE FOLLOWING INFORMATION IS EITHER YET TO BE FINALISED OR AGREED.

- PLANNING CONSENT
- SITE LAYOUT INCLUDING BUILDING LAYOUT/ POSITION
- SUB-STRUCTURE LAYOUT INCLUDING RETAINING WALL DESIGN
- EXISTING FOUL & SURFACE WATER DRAINAGE SURVEY
- INFILTRATION TESTING
- FOUL & SURFACE WATER OUTFALL LOCATION
- LANDSCAPE EXTERNAL LEVELS & FINISHES
- PROPOSED DRAINAGE COVER & INVERT LEVELS
- PROPOSED DRAINAGE CHANNEL/ GULLY POSITIONS
- FOUL WATER POP-UP LOCATIONS
- SURFACE WATER RWP POSITIONS
- EXISTING/ PROPOSED EXTERNAL BELOW GROUND UTILITIES
- PACKAGE TREATMENT PLANT DESIGN
- SWIMMING POOL BACK-WASH/ DRAIN-DOWN DISPOSAL

KEY

EXISTING DRAINAGE

- >— Surface Water Drain
- >— Foul Water Drain
- G Gully
- ✗ Feature to be removed
- ~ ~ ~ Feature to be abandoned

PROPOSED DRAINAGE

- >- Surface Water Drain
- - - ACO Multi Drain
- G Gully & 100Ø Connection
- RWP Rainwater Pipe & 100Ø Connection
- >- Foul Water Drain
- - - Foul Water Pop-up & 100Ø Connection

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23. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
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25. ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

P02	UPDATED FOR PLANNING	23.05.25	ARJ	IW
P01	DRAFT ISSUE FOR COMMENT	09.05.25	ARJ	IW

REV	DESCRIPTION	DATE	BY	APP
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QED PROJECT No.
25-091

CLIENT

PROJECT
Lydhurst Estate
New Dwelling

TITLE
Foul & Surface Water Drainage
General Arrangement
Sheet 3

DRAWN ARJ	ENGINEER ARJ	CHECKED BY CB	APPROVED BY JR
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DATE APPROVED 09.05.25 SCALE @ A1 1:200

STATUS
S2 - INFORMATION

DRAWING No. 25-091-QED-XX-XX-DR-C-0502	REVISION P02
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DRAINAGE GENERAL ARRANGEMENT

SCALE 1:200

APPENDIX I – DRAINAGE GENERAL ARRANGEMENT