DO NOT SCALE

GENERAL DRAINAGE NOTES

1) UNLESS OTHERWISE SHOWN ALL PIPEWORK SHALL BE 100mm INTERNAL DIAMETER AND LAID TO A GRADIENT NOT SLATTER THAN 1in150 FOR SURFACE WATER AND 1in40 FOR FOUL WATER (SR MIN. 1in80 WHERE Min. OF 1 WC IS CONNECTED)

2) PIPEWORK OTHER THAN THAT COVERED IN NOTE 1 ABOVE SHALL BE IDENTIFIED THUS:

0/4. 150 GRADIENT 1 IN 150

SHOWS AN APPROXIMATE GRADIENT eg. 1in125

SHOWS INTERNAL DIAMETER OF PIPE IN mm.

3) AT MANHOLES AND INSPECTION CHAMBERS:

- (5) 12.345 = APPROXIMATE COVER LEVEL
- 80.10.575 = BACKDROP INVERT LEVEL
- 5. 9.775 = INVERT LEVEL

KEY

FOUL WATER	SURFACE WATER
FOUL WATER DRAIN/SEWER	SURFACE WATER DRAIN/SEWER
ADOPTABLE FOUL WATER MANHOLE	PERMEABLE DRAIN/SEWER (ADOPTABLE PF AS SHOWN ON LONGSECTIONS)
FOUL WATER RISING MAIN	ADOPTABLE SURFACE WATER MANHOLE
PRIVATE MANHOLE	SHALLOW INSPECTION CHAMBER (WIN/BOW 450mmØ)
SHALLOW INSPECTION CHAMBER (WIN/BOW 180mmØ)	MEDIUM/DEEP INSPECTION CHAMBER (WIN/BOW 450mmØ)
MEDIUM/DEEP INSPECTION CHAMBER (WIN/BOW 450mmØ)	ALL SW CHAMBERS PRIOR TO CONNECTION TO DIFFUSER OF INFRASTRUCTURE NETWORK TO BE CATCHPIT TYPE
BACKDROP	BACKDROP
TRAPPED YARD GULLY	RODDING EYE
WASTE CONNECTION - REFER TO ARCHITECTURAL DRAWINGS FOR CONNECTION TO LAND DRAIN	ROAD GULLY (150mm PIPEWORK)
DENOTES LOCATION OF SVP PROVIDING VENTILATION TO HEAD OF FOUL RUN - REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER VENTILATION REQUIREMENTS	YARD GULLY (SHALL BE SUCH AS ACO OR SIMILAR UNLESS LOCATED AT THRESHOLDS DRAIN - AS ACO DOORWAY DRAIN)
	ACO DRAIN INLET (OR SIMILAR APPROVED)
	DISTRIBUTOR UNIT SUCH AS SEL ENVIRONMENTAL PVDU
	DENOTES EXTENT OF DRIVEWAYS FORMED IN PERMEABLE PAVING
	WHERE PRACTICAL RAINWATER PIPES TO DISCHARGE DIRECTLY INTO PERMEABLE PAVING SUBBASE THROUGH A SUITABLE FILTER ARRANGEMENT DIRECTLY INTO ADJACENT RGNG CONSTRUCTION

PRIVATE DRAINAGE NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELATED RICHARD JACKSON LTD, ARCHITECTS AND SUB-CONTRACTORS DRAWINGS. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS REFER TO RJLTD FOR CLARIFICATION.

2. ALL HIGHWAY WORKS ARE TO BE CARRIED OUT TO THE REQUIREMENTS AND SPECIFICATION OF KENT COUNTY COUNCIL HIGHWAYS AUTHORITY.

3. TOPOGRAPHICAL SURVEY UNDERTAKEN BY J.C. WHITE GEOMATICS LTD, DRAWING REFERENCE 17/00/043 DATED APRIL 2021.

4. BASED UPON ARCHITECTURAL LAYOUT UNDERTAKEN BY THE NOBLE CONSULTANCY LTD DRAWING REFERENCE 1101-1.

5. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

6. ALL STATUTORY SERVICE SUPPLIERS PLANT IS TO BE LOCATED AND PROTECTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT.

7. ANY UNIDENTIFIED HAZARDS DISCOVERED DURING THE PROGRESS OF WORKS ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER

8. WHERE DRAINAGE PASSES BENEATH BUILDINGS, PIPES TO HAVE A MINIMUM OF 150mm GRANULAR SURROUND OR OTHER FLEXIBLE FILLING.

9. BACKFILL TO TRENCHES MAY BE SUITABLE EXCAVATED MATERIAL IN LANDSCAPED AREAS. TYPE 1 GRANULAR MATERIAL TO BE USED UNDER HARD STANDINGS AND ROADS.

10. MANHOLE COVERS WITHIN BLOCK PAVED AREAS SHALL BE RECESSED.

11. VENTILATION SHALL BE PROVIDED AT THE HEAD OF FOUL DRAINAGE RUNS. FOR SETTING OUT OF SOIL AND RAINWATER DOWNPIPES REFER TO ARCHITECTS DRAWINGS.

12. ALL EXTERNAL AREAS WITH MACADAM SURFACING ARE TO BE DRAINED BY TRAPPED GULLIES OR ACO DRAINAGE CHANNELS.

13. ACCESS FOR RODDING/JETTING SHALL BE PROVIDED TO ALL SOIL AND RAINWATER DOWNPIPES ABOVE FINISHED FLOOR LEVEL.

14. THE CONTRACTOR IS TO PROTECT EXISTING BURIED PIPES (PARTICULARLY SHALLOW PIPES) AND TREE ROOTS FROM DAMAGE IMPOSED BY LOADS AND CONSTRUCTION PLANT.

15. MANHOLE COVER LEVELS SHOWN ON THE DRAWING ARE APPROXIMATE. EXACT LEVEL TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED GROUND LEVELS.

16. ALL PRIVATE DRAINAGE WORKS SHALL BE TO THE REQUIREMENTS OF PART H OF THE CURRENT BUILDING REGULATIONS.

17. ALL RAINWATER PIPES ADJACENT TO THE ANCIENT WOODLAND TO BE FITTED WITH LEAF GUARDS AT EAVES LEVEL.

18. WHERE PIPES CROSS WITH LESS THAN 300mm BETWEEN SOFFIT AND INVERT, PIPES SHALL BE SURROUNDED IN 150mm THICK GEN3 CONCRETE.

19. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING THE EXISTING OUTFALL INVERT LEVEL AT THE POINT OF CONNECTION FOR ALL DRAINAGE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE CONSTRUCTION.

20. FOR EXACT TYPE OF ABOVE GROUND FOUL DRAINAGE CONNECTIONS REFER TO RELEVANT ARCHITECTS DRAWINGS.

21. ALL PIPEWORK CONNECTING TO THE ADOPTABLE MANHOLES OR SEWERS, ARE TO BE 100mm MINIMUM DIAMETER VITRIFIED CLAY AND LAID TO CONNECT WITH LEVEL

ALL DRAINAGE CHAMBER COVERS ARE TO BE LOCATED FULLY IN SOFT OR HARD LANDSCAPING. COVERS SHALL NOT BE POSITIONED HALF IN / HALF OUT OF DIFFERING SURFACE TREATMENTS

REV	DATE	DESCRIPTION	DRAWN	CHKD
C	11.02.22	SW DRAINAGE AMENDED TO SUIT REDUCTION IN RWPS. SVPS SHOWN TO FOUL DRAIN RUNS. NOTES AMENDED	JJT	KRT
B	15.10.21	ADDITIONAL NOTES AND CONNECTIONS ADDD FOR DISCHARGE FROM PERMEABLE PAVING SUB-BASE	KRT	JJT
A	24.09.21	REVISED TO SUIT REPLAN AND INCREASED EXTEENT OF PHASE 1	DH	KRT

REVISIONS

This drawing is to be read in conjunction with all other Engineer's drawings and all other project information. Any discrepancy between the Engineer's drawings and other project information is to be reported to the Engineer immediately.

Project

BROAD OAK FARM
STURRY
CANTERBURY

Title

PRIVATE DRAINAGE
GENERAL ARRANGEMENT 2

Client

DAVID WILSON HOMES
WHERE QUALITY LIVES

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Scale	Drawn	Date
1:250 @ A1	DCH	JULY 2021
Project Manager	Checked	Approved
K. TOSH	JJT	KRT

Status	Suitability Description	RJL Project No :
D2	FOR TENDER	61109

project code	discipline	phase	client	number	revision
H8398	CIV	X	BDW	4221	C

SHEET LAYOUT
SCALE: 1:5000

A1

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