



**KEY**

- F14** CL 46.109 IL 44.300  
ADOPTABLE FOUL WATER MANHOLE WITH REFERENCE NUMBER, COVER LEVEL AND INVERT LEVEL  
FOUL WATER DRAIN/SEWER
- S22** CL 46.200 IL 44.733  
ADOPTABLE SURFACE WATER MANHOLE WITH REFERENCE NUMBER, COVER LEVEL AND INVERT LEVEL  
SURFACE WATER DRAIN/SEWER
- F15** CL 46.200 IL 44.733  
ADOPTABLE SURFACE WATER MANHOLE WITH FLOW CONTROL
- RG**  
PROPRIETARY PCC SURFACE WATER HEADWALL (E.G. ALTHON) WITH INBUILT FLOW CONTROL SYSTEM
- RG**  
PROPRIETARY VEGETATED SURFACE WATER HEADWALL (E.G. ROOTLOK) TO SUIT PROPOSED SLOPES OF SURFACE WATER BASIN
- RG**  
ROAD GULLY (150mmØ PIPEWORK)
- RG**  
ADOPTABLE STREET LIGHTING IN ACCORDANCE WITH WLC DETAILS AND CALCULATIONS
- RG**  
FENCING TO PERIMETER OF BASINS (REFER TO LANDSCAPING DRAWINGS FOR DETAILS)
- RG**  
DENOTES 2.4m x 25m VISIBILITY SPLAY

**SHEET LAYOUT**  
SCALE: 1:5000

CONTRACTOR TO ENSURE THEY REFER TO THE ARBORICULTURAL IMPACT ASSESSMENT AND THE ARBORICULTURAL METHOD STATEMENT PREPARED BY LLOYD BORE LTD PRIOR TO UNDERTAKING ANY CONSTRUCTION WORKS TO ENSURE THAT THEY CO-ORDINATE WITH THE ARBORICULTURIST FOR ANY SUPERVISION THAT THEY MAY NEED TO PROVIDE DURING THE WORKS

ALL CHAMBER COVERS AND GULLY GRATINGS WITHIN THE CARRIAGEWAY SHALL ACCORD WITH THE REQUIREMENTS OF KD534 AND ACHIEVE THE REQUIRED SKID RESISTANCE

HIGHWAY GRASS VERGES ARE TO BE LEFT IN A MAINTAINABLE CONDITION WITH NO DEBRIS OR STONES LEFT ON THE GRASS SURFACE AND TURF TO BE ESTABLISHED

- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
  - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELATED RICHARD JACKSON LTD. ARCHITECTS & SUB-CONTRACTORS DRAWINGS. IN THE CASE OF DISCREPANCIES BETWEEN DRAWINGS REFER TO RJD FOR CLARIFICATION.
  - SURVEY UNDERTAKEN BY J.C. WHITE GEOMATICS LIMITED, REFERENCED 17/00/043, DATED SEPTEMBER 2017 AND UPDATED APRIL 2021.
  - BASED UPON ARCHITECTURAL LAYOUT UNDERTAKEN BY THE NOBLE CONSULTANCY.
  - THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.
  - ALL ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016.
  - ALL ADAPTABLE HIGHWAY WORKS ARE TO BE TO THE FULL REQUIREMENTS AND SATISFACTION OF KENT COUNTY COUNCIL AND ARE SUBJECT TO AGREEMENT BY KENT COUNTY COUNCIL.
  - ALL ADAPTABLE DRAINAGE WORKS ARE SUBJECT TO AGREEMENT BY ICOSA WATER AND ARE TO BE IN ACCORDANCE WITH OFWAT'S SEWERAGE SECTOR GUIDANCE, DESIGN AND CONSTRUCTION GUIDE MARCH 2020 AND ANY ICOSA WATER DELETION/ADDITIONS THEREOF.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING SERVICES, EXISTING BURIED PIPES (PARTICULARLY SHALLOW PIPES) AND TREE ROOTS FROM DAMAGE IMPOSED BY LOADS AND CONSTRUCTION PLANT.
  - BACKFILL TO TRENCHES OF PRIVATE DRAINAGE WHERE NOT FORMED WITH PERFORATED PIPES MAY BE SUITABLE EXCAVATED MATERIAL IN LANDSCAPED AREAS. TYPE 1 GRANULAR MATERIAL TO BE USED UNDER HARD STANDINGS AND ROADS.
  - ADOPTABLE MANHOLE COVERS WITHIN BLOCK PAVED AREAS SHALL NOT BE RECESSED.
  - ALL EXTERNAL AREAS TO BE DRAINED BY TRAPPED GULLIES.
  - MANHOLE COVER LEVELS SHOWN ON THE DRAWING ARE APPROXIMATE. EXACT LEVEL TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED GROUND LEVELS.
  - WHERE PIPES CROSS WITH LESS THAN 300mm BETWEEN SOFFIT AND INVERT, PIPES SHALL BE SURROUNDED IN 150mm THICK GEN3 CONCRETE.
  - THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING THE EXISTING OUTFALL INVERT LEVELS AT THE POINT OF CONNECTION FOR ALL DRAINAGE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE CONSTRUCTION.
  - ALL PIPEWORK CONNECTING TO THE ADOPTABLE MANHOLES OR SEWERS, ARE TO BE 100mm MINIMUM DIAMETER VITRIFIED CLAY AND LAID TO CONNECT WITH LEVEL SOFFITS UNLESS NOTED OTHERWISE.
  - SETTING OUT FOR BASINS TO BE PROVIDED IN THE FORM OF CAD FILES.
  - WHERE NECESSARY THE CONTRACTOR SHALL LAY SPURS FROM MANHOLES TO SUIT FUTURE PHASES TO AVOID THE NEED TO BREAK INTO CHAMBERS DURING FUTURE CONSTRUCTION. SPURS TO BE CAPPED.

NOTE: THIS DRAWING SHOWS PROPOSED FOUL AND SURFACE WATER DRAINAGE FOR PHASE 1 AND FUTURE PHASES. REFER TO DRAWING H83998/CIV/-/BDW/4190 FOR EXTENT OF PROPOSED DRAINAGE TO BE CONSTRUCTED IN PHASE 1

TEMPORARY TURNING FEATURE TO BE PROVIDED IN LIEU OF PROGRESSION OF CONSTRUCTION OF PHASE 2 ROADS

REV	DATE	DESCRIPTION	DRAWN	CHKD
E	17.02.22	TEMPORARY TURNING REQUIREMENT NOTED. BASIN DETAILS UPDATED	JJT	KRT
D	02.12.21	NOTES REINSTATED	JJT	KRT
C	19.10.21	TO ALLOW REVISION B CHANGES TO BE UPLOADED TO CONNECT	KRT	KRT
B	13.10.21	FENCING ADDED TO BASIN PERIMETERS	KRT	JJT
A	24.09.21	OVERALL REVIEW AND REVISIONS TO SUIT CLIENT DISCUSSIONS	KRT	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  
**HIGHWAY AND DRAINAGE  
GENERAL ARRANGEMENT**

Client  
**DAVID WILSON HOMES**  
WHERE QUALITY LIVES

**Richard Jackson Engineering Consultants**

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Scale	Drawn	Date			
1:500 @ A1	KRT	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
H83998	CIV	X	BDW	4102	E

