

- 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 R/J TO 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.
  - ADAPTABLE 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 ADAPTABLE 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 H8399/CIV/-/BDW/4190 FOR EXTENT OF PROPOSED DRAINAGE TO BE CONSTRUCTED IN PHASE 1

REV	DATE	DESCRIPTION	DRAWN	CHKD
F	17.02.22	JUNCTION ADDED TO RD11. BASIN AND WETLAND DETAIL AMENDED	JJT	KRT
E	02.12.21	NOTES REINSTATED	JJT	KRT
D	15.10.21	F211 & F212 AMENDED TO SUIT REVISED PTP BOUNDARY AND S269 NOTE UPDATED	KRT	JJT
C	13.10.21	FENCING ADDED TO BASIN PERIMETERS	KRT	JJT
B	08.10.21	GABION BASKETS ADDED TO BASIN F TO ACCOMMODATE REVISED PTP BOUNDARY	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**  
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Scale	Drawn	Date
1:500 @ A1	KRT	JULY 2021

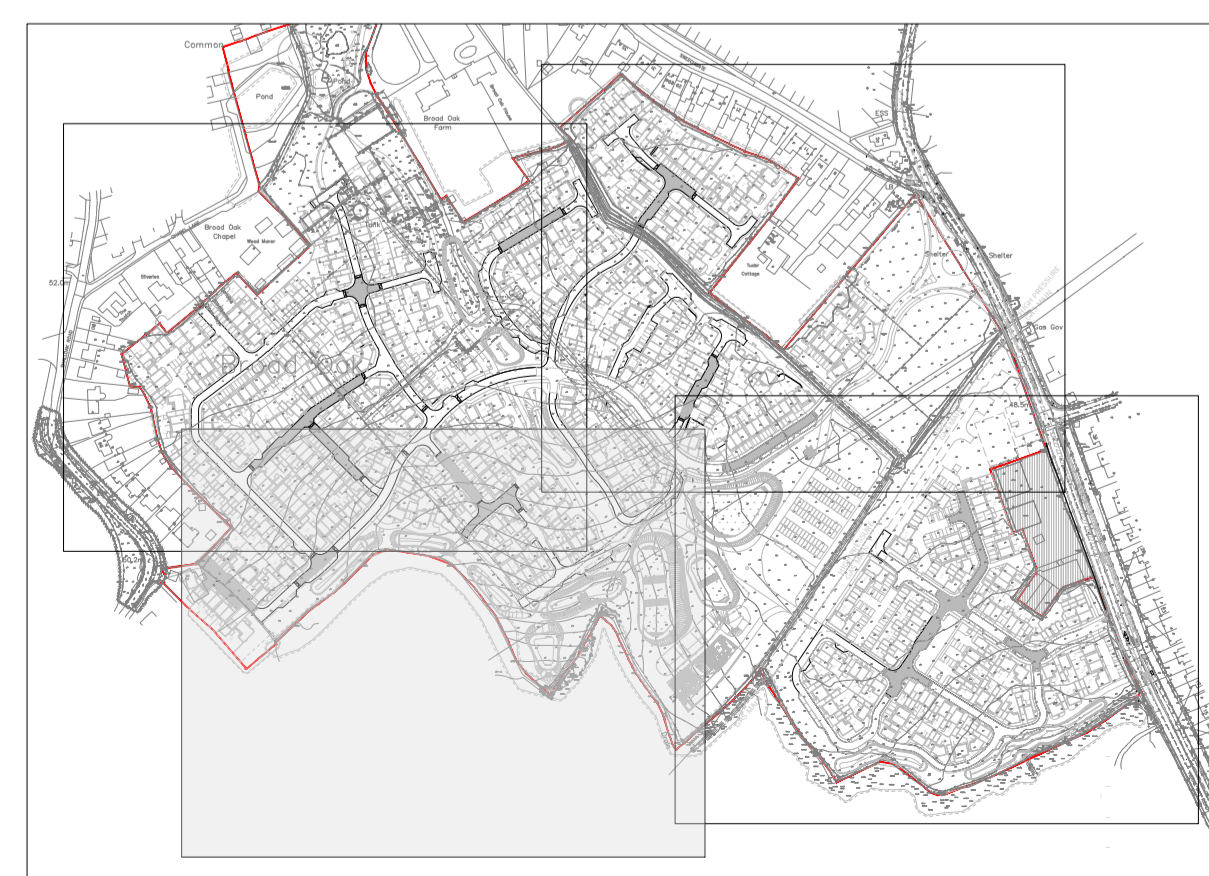
Project Manager	Checked	Approved
K. TOSH	JJT	KRT

Status	Suitability Description	R/JL Project No.
D2	FOR TENDER	61109

project code	discipline	phase	client	number	revision
H8398	CIV	X	BDW	4103	F

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

ALL CHAMBER COVERS AND GULLY GRATINGS WITHIN THE CARRIAGEWAY SHALL ACCORD WITH THE REQUIREMENTS OF CD534 AND ACHIEVE THE REQUIRED SKID RESISTANCE



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

**KEY**

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

APPROXIMATE LOCATION OF FINAL OUTFALL TO DITCH. CONTRACTOR TO ASSUME HEADWALL WILL BE PROPRIETARY VEGETATED HEADWALL (E.G. ROOTLOK) WITH FINAL FORM AND LOCATION TO BE AGREED ON SITE WITH ARBORICULTURIST AND ENGINEER TO SUIT CONSTRAINTS OF ANCIENT WOODLAND

EXISTING PILON REMOVED TO -1.5m BELOW EXISTING GROUND LEVEL. APPROXIMATE TOP LEVEL OF REMAINING OBSTRUCTION: 38.50. CONTRACTOR TO MAKE ALLOWANCE FOR ADDITIONAL REMOVAL TO SUIT INSTALLATION OF IMMERSEABLE LINER TO BASIN

BASIN G  
 BASE LEVEL @ 46.400  
 1:100+40%CC WATER LEVEL @ 47.399

BASIN H  
 BASE LEVEL @ 43.300  
 1:100+40%CC WATER LEVEL @ 44.299

BASIN I  
 BASE LEVEL @ 39.800  
 1:100+40%CC WATER LEVEL @ 40.788

BASIN M  
 BASE LEVEL @ 35.500  
 1:100+40%CC WATER LEVEL @ 35.944

BASIN L  
 BASE LEVEL @ 39.500  
 1:100+40%CC WATER LEVEL @ 40.474

CONSTRUCTED WETLAND F  
 BASE LEVEL @ 40.800  
 1:100+40%CC WATER LEVEL @ 41.799

DO NOT SCALE