



DO NOT SCALE

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 CD534 AND ACHIEVE THE REQUIRED SKID RESISTANCE

KEY	
	ADAPTABLE FOUL WATER MANHOLE WITH REFERENCE NUMBER, COVER LEVEL AND INVERT LEVEL
	FOUL WATER DRAIN/SEWER
	ADAPTABLE SURFACE WATER MANHOLE WITH REFERENCE NUMBER, COVER LEVEL AND INVERT LEVEL
	SURFACE WATER DRAIN/SEWER
	ADAPTABLE SURFACE WATER MANHOLE WITH FLOW CONTROL
	PROPRIETARY PCC SURFACE WATER HEADWALL (E.G. ALIHO) WITH INBUILT FLOW CONTROL SYSTEM
	PROPRIETARY VEGETATED SURFACE WATER HEADWALL (E.G. ROOTLOK) TO SUIT PROPOSED SLOPES OF SURFACE WATER BASIN
	ROAD GULLY (150mmØ PEPEWORK) - AS STANDARD
	DENOTES ROAD GULLY WITH ACC WILDLIFE KERR LOCKED CENTRALLY BEHIND
	DENOTES ROAD GULLY - GULLY POT OFFSET 50mm FROM RESURFING
	DISTRIBUTOR UNIT SEE ENVIRONMENTAL APPROVED 150mmØ PEPEWORK
	ACC SWALE TRIP (OR SIMILAR APPROVED)
	ADAPTABLE STREET LIGHTING IN ACCORDANCE WITH WLL DETAILS AND CALCULATIONS
	FENCING TO REINFORCE OF BASINS (REFER TO LANDSCAPING DRAWINGS FOR DETAILS)
	DENOTES 2.4m x 25m VISIBILITY SPRAY
	DENOTES LEVEL CONTROL CHAMBER FOR SURFACE WATER BASINS. REFER TO DSG
	H538-CDW-4290 FOR DETAILS, UPSTREAM MANHOLE WITH BASINS TO BE PROVIDED BY BIOMATRIX AS PART OF BASIN PLANTING WORKS
	DENOTES EXTENT OF DROPPED VERGING WITH OFFSET GULLY POTTS TO ECOLOGY MITIGATION
	DENOTES EXTENT OF INTENTIONALLY FLUSHED DROPPED VERGING FOR ECOLOGY MITIGATION
	DENOTES EXTENT OF FLUSH-HEAVING TO TOP OF RAISED TABLE FOR ECOLOGY MITIGATION
	DENOTES PUBLIC RIGHT-OF-WAY DESIGNATED CB73

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 H410 FOR CLARIFICATION.
- SURVEY UNPERTAKEN BY J.C. WHITE GEOMATICS LIMITED, REFERENCED 17/00/43, DATED SEPTEMBER 2017 AND UPDATED APRIL 2021.
- BASED UPON ARCHITECTURAL LAYOUT UNPERTAKEN 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 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 ICSA WATER AND ARE TO BE IN ACCORDANCE WITH ICSA'S SEWERAGE SECTOR GUIDANCE, DESIGN AND CONSTRUCTION GUIDE MARCH 2020 AND ANY ICSA WATER DELTA/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 CAUSED BY LAYING AND CONSTRUCTION PLANT.
- BACKFILL TO TRENCHES OF PRIVATE DRAINAGE WHERE NOT FORMED WITH PERFORATED PIPES MAY BE SUITABLY PROTECTED 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 RECEIVED.
- 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 SLOTTED AND INVERT, PIPES SHALL BE SURROUNDED IN 150mm THICK TRIO-35 CONCRETE.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING THE EXISTING GULLY INVERT LEVELS AT THE POINT OF CONNECTION FOR ALL DRAINAGE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE CONSTRUCTION.
- ALL PEPEWORK CONNECTING TO THE ADAPTABLE MANHOLES OR SEWERS, ARE TO BE 100mm MINIMUM DIAMETER VITRIFIED CLAY AND LAID TO CONNECT WITH LEVEL SLOPES UNLESS NOTED OTHERWISE.
- SETTING OUT FOR BASINS TO BE PROVIDED IN THE FORM OF CA 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

REV	DATE	DESCRIPTION	DRAWN	CHKD
V	16.12.22	LEVEL DETAILS FOR LEVEL CONTROL MANHOLES AND PIPES REVISED	KRT	JIT
U	01.11.22	RISING MAIN INLET INTO BASIN D AMENDED TO SUIT BIOMATRIX REQUIREMENTS; F127-220 ADDED; S2088 COVER LEVEL REVISED	KRT	JIT
T	29.06.22	FOULCOY MEASUREMENTS REVISED AS CLOUDED	SLS	JIT
S	21.06.22	DIFFUSER UNITS ADDED TO SUIT LOCATION OF DRY SERVICE MARCH; PIP RISING MAIN REINTEGRATED TO DRAWING	JIT	KRT
R	07.06.22	MHS F199 AND F200 REVISED	JIT	KRT
Q	01.06.22	PHASE 2 PROPOSALS PROGRESSED KEY AMENDED TO INCLUDE ECOLOGY FEATURES; BASINS J + K AMENDED	JIT	KRT
P	08.04.22	LEVEL CONTROL CHAMBER ADDED WHERE CLOUDED	SLS	KRT
N	01.04.22	PERFORATED PIPES REMOVED FROM ADAPTABLE CATTERY; DIFFUSER UNITS PROVIDED TO PERMANENT ROAD (NOT CLOUDED); PW AMENDED TO REDIRECT UNITS TO PIP	JIT	KRT
M	22.03.22	UPGRADED EPS PIP LAYOUT SHOWN; PERFORATED PIPE EXTENSION CLARIFIED	SLS	JIT
L	17.03.22	COVER LEVELS & GULLY LOCATIONS AMENDED TO SUIT ROAD 5 LIFTING	JIT	KRT
K	04.03.22	F1 & P1P 1.000 REMOVED	JIT	KRT
REV	DATE	DESCRIPTION	DRAWN	CHKD

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	1:500 @ A1	Drawn	KRT	Date	JULY 2021
Project Manager	K. TOSH	Checked	Approved		
Status	D2 FOR TENDER				
Project No.	H8398	Discipline	CIV	Phase	-
		Client	BDW	Value	4100
		Revision	V		

EXTENT OF EARTHWORKS AND METHOD OF WORKING ALONG SOUTHERN BOUNDARY TO BE AGREED ON SITE WITH ARBORICULTURIST AND ENGINEER. EXISTING DITCH PROFILE TO BE REGRADED TO SUIT BASIN AND PROPOSED OUTFALL

PROPOSED FOUL SEWER TO CONNECT TO EXISTING ADAPTABLE SOUTHERN WATER SEWER VIA A NEW MANHOLE CONSTRUCTED ON THE LINE OF EXISTING SEWER. THE CONTRACTOR SHALL VERIFY THE LINE AND LEVEL OF THE EXISTING SEWER PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS

DISCHARGE TO DITCH TO BE CONTROLLED BY COMPLEX CONTROL (HYDRO-BRAKE & PIPE) IN MANHOLE S43

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