DO NOT SCALE

WHETHER AN EXISTING LIVE DITCH IS PRESENT AND IF SO, TO CONTINUE THE INVESTIGATIONS UPSTREAM TO ASSIST WITH CONFIRMATION ON WHETHER A CULVERT CROSSING WILL BE NECESSARY

CONTRACTOR TO ALLOW FOR A 600mmØ CULVERT WITH ROOTLOK HEADWALLS SET 2m BACK FROM BACK OF FOOTWAY. LEVELS AND DETAILS TO BE CONFIRMED FOLLOWING CONFIRMATION OF EXISTING ARRANGEMENT

EXISTING PILON REMOVED TO ~1.5m BELOW EXISTING GROUND LEVEL. APPROXIMATE TOP LEVEL OF REMAINING OBSTRUCTION:47.64

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

HIGH PRESSURE GAS MAIN

CONSTRUCTED WETLAND D
BASE LEVEL @ 45.332
1:100+40%CC WATER LEVEL @ 46.511

CONSTRUCTED WETLAND E
BASE LEVEL @ 44.550
1:100+40%CC WATER LEVEL @ 45.331

EXISTING HIGH PRESSURE GAS MAIN. EXACT LOCATION AND DEPTH TO BE CONFIRMED BY TRIAL HOLE. CONTRACTOR TO ALLOW FOR INSTALLATION OF FOUL DRAINAGE BENEATH GAS MAIN BY A TRENCHLESS TECHNIQUE. PROPOSED METHOD STATEMENT TO BE SUPPLIED AND AGREED WITH SGN PRIOR TO UNDERTAKING THESE WORKS.

FOUL PRIVATE TREATMENT PLANT (PTP) AND ACCESS. FINAL LOCATION AND LAYOUT TO BE CONFIRMED BY OTHERS

19.5m FORWARD VISIBILITY

A BUNG IS TO BE INSERTED INTO THE OUTGOING PIPE FROM F21 TO ENSURE THAT NO FLOWS CAN LEAVE SITE PRIOR TO THE NAV AGREEMENT BEING COMPLETED. THIS MANHOLE IS TO BE USED AS TANKERING POINT FOR REMOVAL OF EFFLUENT TO ACCOMODATE ANY DELAY TO COMPLETION OF THE NAV AGREEMENT. SYSTEM SHALL BE FULLY CLEANED AND FLUSHED IF USED FOR ANY TEMPORARY STORAGE

BASIN K
BASE LEVEL @ 43.200
1:100+40%CC WATER LEVEL @ 45.489

BASIN J
BASE LEVEL @ 44.500
1:100+40%CC WATER LEVEL @ 45.489

EXTENT OF EARTHWORKS AND METHOD OF WORKING ALONG SOUTHERN BOUNDARY TO BE AGREED ON SITE WITH ARBOROCULTURIST AND ENGINEER.

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

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

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

EXISTING FOUL WATER SEWER (LABELLED AS 175mmØ ON SURVEY)

EXISTING FOUL WATER SEWER (LABELLED AS 175mmØ ON SURVEY)

SHEET LAYOUT
SCALE: 1:5000

A1

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
- 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
- RG — ROAD GULLY (150mmØ PIPEWORK)
- ADOPTABLE STREET LIGHTING IN ACCORDANCE WITH WLC DETAILS AND CALCULATIONS
- FENCING TO PERIMETER OF BASINS (REFER TO LANDSCCAPING DRAWINGS FOR DETAILS)
- DENOTES 2.4m x 25m VISIBILITY SPLAY

ALL CHAMBER COVERS AND GULLY GRATINGS WITHIN THE CARRIAGEWAY SHALL ACCORD WITH THE REQUIREMENTS OF CD534 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

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

NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
3. 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 RJLTD FOR CLARIFICATION.
4. SURVEY UNDERTAKEN BY J.C. WHITE GEOMATICS LIMITED, REFERENCED 17/00/043, DATED SEPTEMBER 2017 AND UPDATED APRIL 2021.
5. BASED UPON ARCHITECTURAL LAYOUT UNDERTAKEN BY THE NOBLE CONSULTANCY.
6. 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.
7. ALL ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016.
8. ALL ADOPTABLE HIGHWAY WORKS ARE TO BE TO THE FULL REQUIREMENTS AND SATISFACTION OF KENT COUNTY COUNCIL AND ARE SUBJECT TO AGREEMENT BY KENT COUNTY COUNCIL
9. ALL ADOPTABLE 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.
10. 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
11. 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.
12. ADOPTABLE MANHOLE COVERS WITHIN BLOCK PAVED AREAS SHALL NOT BE RECESSED.
13. ALL EXTERNAL AREAS TO BE DRAINED BY TRAPPED GULLIES.
14. MANHOLE COVER LEVELS SHOWN ON THE DRAWING ARE APPROXIMATE. EXACT LEVEL TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED GROUND LEVELS.
15. WHERE PIPES CROSS WITH LESS THAN 300mm BETWEEN SOFFIT AND INVERT, PIPES SHALL BE SURROUNDED IN 150mm THICK GEN3 CONCRETE.
16. 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.
17. 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.
18. SETTING OUT FOR BASINS TO BE PROVIDED IN THE FORM OF CAD FILES
19. 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

REVISIONS

REV	DATE	DESCRIPTION	DRAWN	CHKD
H	17.02.22	FOOTWAY WIDENED TO INCLUDE VIS. SPLAY, EXTENT OF ADOPTION AMENDED AS CLOUDED, GULLYS AMENDED TO SUIT. CARRAIAGEWAY WIDTHS SHOWN. JUNCTION ADDED TO RD11. DRAINAGE DETAILS AMENDED	JJT	KRT
G	06.01.22	AMENDED TO KCC S38 COMMENTS, RAISED TABLE INCORPORATED TO RD1-3+5 JUNCTION, PARKING BAY LAYOUT REVISED	JJT	KRT
F	02.12.21	NOTES REINSTATED	JJT	KRT
E	15.10.21	F211 & F212 AMENDED TO SUIT REVISED PTP BOUNDARY. S1 - S5 REVISED	KRT	JJT
D	13.10.21	FENCING ADDED TO BASIN PERIMETERS	KRT	JJT
C	08.10.21	GABION BASKETS ADDED TO BASIN F TO ACCOMODATE REVISED PTP BOUNDARY AND SLOPES AMENDED TO BASIN E AND PTP ACCESS ROAD	KRT	JJT
B	30.09.21	NOTE ADDED RE. BUNG TO MANHOLE F21	KRT	JJT
A	24.09.21	OVERALL REVIEW AND REVISIONS TO SUIT CLIENT DISCUSSIONS	KRT	KRT

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

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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
H8398	CIV	-	BDW	4100	H

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