

DO NOT SCALE

NB THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. DETAILS ON THIS DRAWING ARE INDICATIVE AND USED FOR DRAINAGE STRATEGY PURPOSES ONLY. FULL DESIGN DETAILS WILL BE REQUIRED FOR TECHNICAL SUBMISSIONS TO THE RELEVANT AUTHORITIES

- KEY
- PROPOSED SURFACE WATER SEWERS
 - PROPOSED FOUL WATER SEWERS
 - PROPOSED FOUL WATER RISING MAIN
 - EXISTING SURFACE WATER SEWERS
 - EXISTING FOUL WATER SEWERS
 - EXISTING POND DRAINAGE LINES BETWEEN PONDS TO BE RETAINED OR RE-LAID

MANHOLE REFERENCES:

- TYPE 1 UU MANHOLE TYPE 1 (STND/19/001 A)
- TYPE 4 UU MANHOLE TYPE 4 (STND/19/003 A)
- RH UU SW SHALLOW MANHOLE (STND/19/004 A)
- AMPS ALTERNATIVE MANHOLE PLATFORM SYSTEM
- HB HYDROBRAKE MANHOLE

SEWERAGE STRATEGY DESIGN ASSUMPTIONS

- SURFACE WATER**
- EXISTING WATER COURSE LEVELS HAVE BEEN TAKEN FROM THE TOPOGRAPHIC SURVEY PROVIDED BY DAVID WILSON HOMES
 - LAND DRAINAGE CONSENT WILL BE REQUIRED FOR THE DISCHARGE POINTS WITH LLFAEA

- FOUL WATER**
- FOR THE PURPOSES OF THE DRAINAGE STRATEGY IT HAS BEEN ASSUMED THAT THE WHOLE OF THE DEVELOPMENT WILL BE TAKEN TO THE PROPOSED FOUL WATER PUMPING STATION, WITH THE RISING MAIN BEING TAKEN TO DISCHARGE INTO THE EXISTING ST80 COMBINED SEWER TO THE SOUTH OF THE DEVELOPMENT
 - DURING FULL TECHNICAL DESIGN IT MAY BE POSSIBLE TO TAKE A PORTION OF THE DEVELOPMENT VIA GRAVITY INTO THE EXISTING ST80 COMBINED SEWER TO THE SOUTH OF THE DEVELOPMENT
 - A PRE-DEVELOPMENT ENGINEER WILL BE REQUIRED WITH UNITED UTILITIES IN ORDER TO CONFIRM THE FOUL WATER OUTFALL POINT OF CONNECTION

- HIGHWAYS**
- PROPOSED HIGHWAYS PLANNING LAYOUT WILL REQUIRE VETTING BY LANSHIRE COUNTY COUNCIL TO ENSURE COMPLIANCE WITH THEIR DESIGN GUIDE

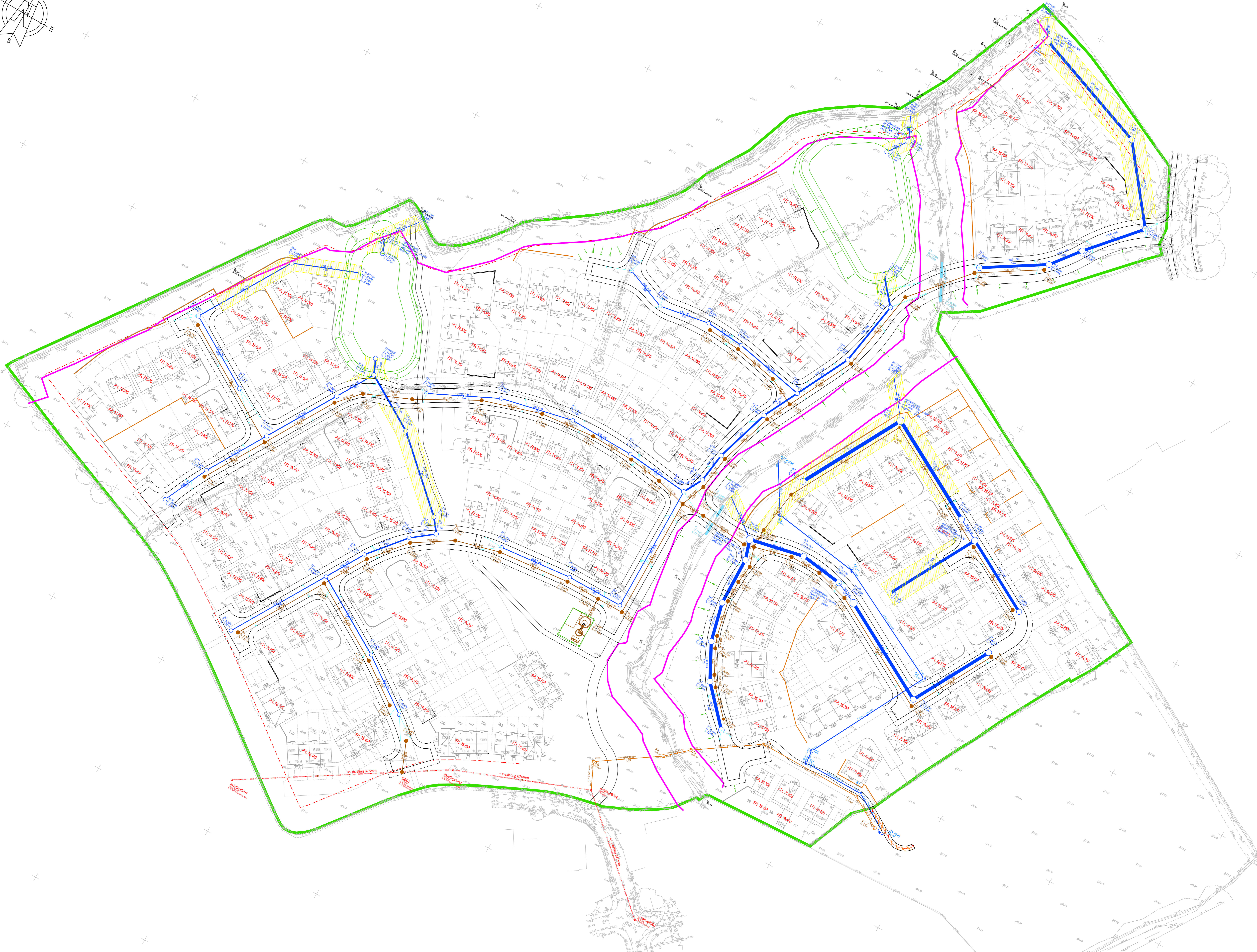
- NOTES
1. PLANNING LAYOUT PROVIDED BY DAVID WILSON HOMES DW1903-PL01-P4
 2. TOPOGRAPHICAL SURVEY DETAILS BY GEOMATIC SURVEYS - 0911 rev B (2D AND 3D)
 3. DRAGOUT CHAMBERS AND LATERALS ARE NOT SHOWN FOR CLARITY
 4. THE USE OF ANY OTHER FLOW CONTROL DEVICES NOT ASSOCIATED WITH THE HYDRO INTERNATIONAL HYDROBRAKE OPTIMUM REFERENCES PROVIDED MAY CONSTITUTE A FLOOD RISK

PROPOSED SEWER DESIGN DETAILS

- SURFACE WATER**
1. SURFACE WATER DISCHARGE RATES BASED ON THE MAXIMUM ALLOWABLE AS STATED IN THE SRA
 2. SURFACE WATER TO BE DESIGNED TO CONVEY THE 1:30YR THROUGH A PIPED SYSTEM WITH ATTENUATION POND AND OVERSIZED PIPE WORK TO TAKE UP TO THE 1:100YR + 40% CC
 3. IT IS PROPOSED TO HAVE TWO DISCHARGE POINTS TO CONNECT INTO THE EXISTING WATER COURSES BOUNDING AND THROUGH THE DEVELOPMENT
 - 3.1. NETWORK 1 DISCHARGE RATE 5.0 L/SEC
 - 3.2. NETWORK 2 DISCHARGE RATE 5.0 L/SEC
 - 3.3. NETWORK 3 DISCHARGE RATE 5.0 L/SEC
 - 3.4. NETWORK 4 DISCHARGE RATE 11.6 L/SEC (INCLUDES AN ADDITIONAL UPSTREAM HYDROBRAKE TO FORM A CASCADE)
 - 3.5. NETWORK 5 DISCHARGE RATE 6.5 L/SEC (INCLUDES AN ADDITIONAL UPSTREAM HYDROBRAKE TO FORM A CASCADE)

- FOUL WATER**
4. THE PROPOSED FOUL WATER DISCHARGE POINT IS VIA A RISING MAIN TO THE EXISTING ST80 COMBINED SEWER TO THE SOUTH OF THE DEVELOPMENT
 5. FURTHER SURVEY REQUIRED TO CONFIRM DISCHARGE LOCATION DETAILS

- ADDITIONAL NOTES
- A. THIS INFORMATION IS INDICATIVE AND FOR APPRAISAL PURPOSES ONLY AND REQUIRES FULL DETAILS DESIGN FOLLOWING COMPLETE SURVEYS OF TOPOGRAPHY, EXISTING DRAINAGE AND EXISTING UTILITIES
 - B. THE DRAINAGE CONNECTION INFORMATION HAS BEEN TAKEN ASSUMED FROM SEWER RECORDS WHERE GIVEN, WHICH MAY NOT ACCURATELY REPRESENT SEWER LAYOUTS OR LEVELS
 - C. ADOPTABLE ELEMENTS OF THE SCHEME ARE SUBJECT TO TECHNICAL SUBMISSIONS AND REVIEW FROM THE ACCEPTING AUTHORITIES
 - D. FOR REVIEW OF COMPARISON BETWEEN EXISTING AND PROPOSED LEVELS REFER TO DRAWING 003



REV	DATE	BY	DESCRIPTION	CHK
1	02/08/18	JC	ISSUED FOR APPROVAL	RA
2	02/08/18	JC	REVISED WITH ADDITIONAL EXISTING MANHOLE DETAILS	RA
3	02/08/18	JC	REVISED WITH ADDITIONAL EXISTING MANHOLE DETAILS	RA
4	02/08/18	JC	REVISED WITH ADDITIONAL EXISTING MANHOLE DETAILS	RA
5	02/08/18	JC	REVISED WITH ADDITIONAL EXISTING MANHOLE DETAILS	RA

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DAVID WILSON HOMES

PROJECT: **WADDOW VIEW CLITHEROE**

TITLE: **MAIN DRAINAGE SCHEMATIC**

DATE: 02/08/18	SCALE: 1:50000	DRAWN: JC	CHECKED: RA
PROJECT NO: DWH155	DRAWING NO: 001	REV: E	