ADDITIONAL IMPERMEABLE AREA TO ACCOUNT FOR POSSIBLE SIX DWELLINGS TAKEN INTO MANHOLE S1.

PROPOSED MANHOLES F1 AND F2 TO BE CONSTRUCTED ON EXISTING 150Ø FOUL SEWERS. EXACT LOCATION AND INVERT LEVEL TO BE CONFIRMED ON SITE PRIOR TO COMMENCING CONSTRUCTION.
EXISTING MANHOLE YW1 TO BE RECONSTRUCTED TO ACCOMMODATE REVISED OUTLET PIPE LOCATION.

EXISTING 225 SURFACE SEWER TO BE DIVERTED BETWEEN PROPOSED MANHOLES YW1 AND S11 UNDER A SECTION 185 AGREEMENT. EXACT LOCATION AND INVERT OF EXISTING SEWER TO BE CONFIRMED.

EXISTING 150Ø FOUL SEWER TO BE DIVERTED BETWEEN PROPOSED MANHOLES F1, F2 AND F10 UNDER A SECTION 185 AGREEMENT. EXACT LOCATION AND INVERT OF EXISTING FOUL SEWER TO BE CONFIRMED.

GARDENS MODELLED AT MAXIMUM GRADIENT OF 1 IN 10.
BANKING MODELLED AT 1 IN 3 TO MINIMISE GROUND TAKE.

EXACT LOCATION AND INVERT LEVEL OF HIGH VOLTAGE CABLE TO BE CONFIRMED AT PROPOSED CROSSING POINT TO ENSURE THERE IS NO CLASH.

TURNING HEAD TO BE PROVIDED FOR YORKSHIRE WATER TANKER TO ACCESS FLOW CONTROL MANHOLE.

HIGHWAY RETAINING WALL REQUIRED DUE TO PROXIMITY OF PLOT TO TURNING HEAD.

Detention Basin
Base Level: 128.8m
Base Area: 500m²
Basin Surface Area: 1008m²
(Based on 1 in 4 banking gradients)
Basin Perimeter: 122m
Basin Volume: 40m³
Top Water Level
1in100yr +40% C/C: 129.7m

Attenuation basin size and location tbc

PRECAST CONCRETE HEADWALL TO INLET/OUTLET TO POND

1 IN 4 BANKING TO INTERIOR OF DETENTION BASIN

1 IN 3 BANKING TO EXISTING GROUND LEVELS FROM PERIMETER OF 3m WIDE MAINTENANCE STRIP.

PROPOSED RELAID WATERCOURSE

MANHOLE S9 FITTED WITH FLOW CONTROL DEVICE RESTRICTING DISCHARGE TO 3.5 l/s.

WATERCOURSE TO BE RELAID TO TOE OF PROPOSED BANKING. ALL EXISTING LAND DRAINAGE PIPES TO BE CONNECTED TO NEW WATERCOURSE.

APPROX. 34m LENGTH OF 1200mm DIAM. CONCRETE PIPE PROVIDING APPROXIMATELY 38m³ STORAGE.

EXACT LOCATION AND INVERT LEVEL OF EXISTING SERVICES TO BE CONFIRMED AT PROPOSED CROSSING POINTS TO ENSURE THERE IS NO CLASH.

PROPOSED FOUL WATER SEWER TO CONNECT INTO EXISTING MANHOLE F10. EXISTING MANHOLE MUST BE INSPECTED BY A YW INSPECTOR TO ENSURE THAT THE MANHOLE CAN ACCOMMODATE THE NEW CONNECTION AND CHECK IF ANY REMEDIAL WORKS ARE REQUIRED PRIOR TO STARTING ON SITE (IT MAY BE NECESSARY TO RECONSTRUCT THE MANHOLE AT THE CLIENTS EXPENSE).

PROPOSED MANHOLES S11 TO BE CONSTRUCTED ON EXISTING WATERCOURSE. STUB CONNECTIONS TO BE LEFT FOR PROPOSED SEWER DIVERSION AND CONNECTION FROM SITE. EXACT LOCATION AND INVERT LEVEL OF EXISTING WATERCOURSE TO BE CONFIRMED PRIOR TO COMMENCING CONSTRUCTION ON SITE.

CONISTON AVENUE

PENNINE CLOSE

Rev B Amended to suit revised planning layout	01.12.21 MD
Rev A Scale and drawing size amended	16.07.21 MD

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BARRATT DAVID WILSON HOMES

Project
CONISTON AVENUE, DARTON

Detail
ENGINEERING FEASIBILITY PLAN - DRAINAGE

Dwn	Chkd	Date	Scale	Dwg No.
MD		AUG'21	1:250@A0	E20/7786/01B