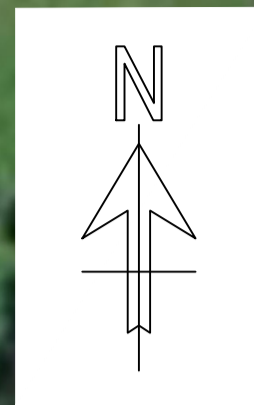


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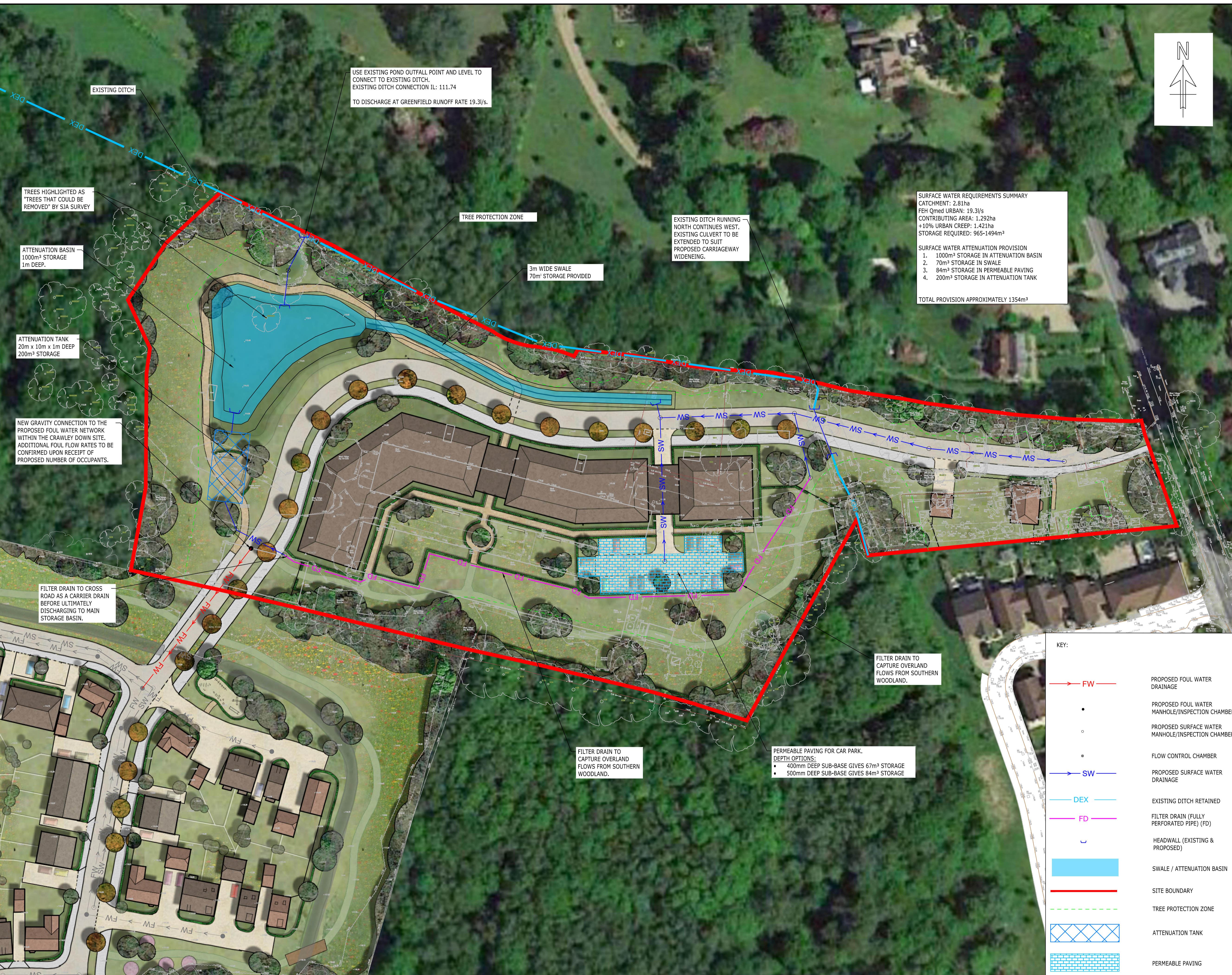
- Notes
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
 - THIS SKETCH HAS BEEN EXPLICITLY CREATED & SUPPLIED FOR INFORMATION & DISCUSSION PURPOSES ONLY & SHALL NOT BE CONSIDERED BY THE RECIPIENT AN OFFICIAL RAMBOLL DRAWING.
 - THE CONTRACTOR IS TO ENSURE THAT ALL BURIED SERVICES ARE LOCATED PRIOR TO CARRYING OUT ANY EXCAVATION.
 - EXISTING DRAINAGE INFORMATION SHOWN ON THESE DRAWINGS ARE NOT EXHAUSTIVE. EXISTING DRAINS TO BE RETAINED ARE SHOWN. DRAINAGE TO BE ABANDONED NOT SHOWN. EXISTING DRAINAGE ENCOUNTERED NOT SHOWN ON THESE DRAWINGS SHALL BE TREATED AS DIRECTED BY THE ENGINEER.
 - WHERE SHOWN TO BE RETAINED, THE LOCATION OF EXISTING DRAINAGE SHALL BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION. THE CONDITION OF THIS EXISTING DRAINAGE SHALL ALSO BE VERIFIED, AS PART OF THE WORKS, IN ACCORDANCE WITH THE SPECIFICATION. EXISTING DRAINAGE FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
 - ALL EXISTING AND DIVERTED STATUTORY SERVICE INFORMATION IS SHOWN INDICATIVELY FOR REFERENCE ONLY. THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXACT LOCATION OF UNDERGROUND/OVERGROUND PLANT.

SURFACE WATER REQUIREMENTS SUMMARY
 CATCHMENT: 2.81ha
 FEH Qmed URBAN: 19.3l/s
 CONTRIBUTING AREA: 1.292ha
 +10% URBAN CREEP: 1.421ha
 STORAGE REQUIRED: 965-1494m³

SURFACE WATER ATTENUATION PROVISION

- 1000m³ STORAGE IN ATTENUATION BASIN
- 70m³ STORAGE IN SWALE
- 84m³ STORAGE IN PERMEABLE PAVING
- 200m³ STORAGE IN ATTENUATION TANK

TOTAL PROVISION APPROXIMATELY 1354m³



USE EXISTING POND OUTFALL POINT AND LEVEL TO CONNECT TO EXISTING DITCH.
 EXISTING DITCH CONNECTION IL: 111.74
 TO DISCHARGE AT GREENFIELD RUNOFF RATE 19.3l/s.

TREES HIGHLIGHTED AS "TREES THAT COULD BE REMOVED" BY SJA SURVEY

ATTENUATION BASIN
 1000m³ STORAGE
 1m DEEP.

ATTENUATION TANK
 20m x 10m x 1m DEEP
 200m³ STORAGE

NEW GRAVITY CONNECTION TO THE PROPOSED FOUL WATER NETWORK WITHIN THE CRAWLEY DOWN SITE. ADDITIONAL FOUL FLOW RATES TO BE CONFIRMED UPON RECEIPT OF PROPOSED NUMBER OF OCCUPANTS.

FILTER DRAIN TO CROSS ROAD AS A CARRIER DRAIN BEFORE ULTIMATELY DISCHARGING TO MAIN STORAGE BASIN.

TREE PROTECTION ZONE

3m WIDE SWALE
 70m³ STORAGE PROVIDED

EXISTING DITCH RUNNING NORTH CONTINUES WEST. EXISTING CULVERT TO BE EXTENDED TO SUIT PROPOSED CARRIAGEWAY WIDENING.

FILTER DRAIN TO CAPTURE OVERLAND FLOWS FROM SOUTHERN WOODLAND.

FILTER DRAIN TO CAPTURE OVERLAND FLOWS FROM SOUTHERN WOODLAND.

PERMEABLE PAVING FOR CAR PARK.
 DEPTH OPTIONS:
 • 400mm DEEP SUB-BASE GIVES 67m³ STORAGE
 • 500mm DEEP SUB-BASE GIVES 84m³ STORAGE

KEY:

- FW PROPOSED FOUL WATER DRAINAGE
- PROPOSED FOUL WATER MANHOLE/INSPECTION CHAMBER
- PROPOSED SURFACE WATER MANHOLE/INSPECTION CHAMBER
- FLOW CONTROL CHAMBER
- SW PROPOSED SURFACE WATER DRAINAGE
- DEX EXISTING DITCH RETAINED
- FD FILTER DRAIN (FULLY PERFORATED PIPE) (FD)
- ↘ HEADWALL (EXISTING & PROPOSED)
- SWALE / ATTENUATION BASIN
- SITE BOUNDARY
- TREE PROTECTION ZONE
- ATTENUATION TANK
- PERMEABLE PAVING

P04	PRELIMINARY	AP	DF	CL	17.02.26
P03	PRELIMINARY	AP	DF	CL	06.06.25
P02	PRELIMINARY	AP	DF	CL	08.06.25
P01	PRELIMINARY	AP	DF	CL	07.06.25
Rev	Description	Drawn	Checked	Approved	Date

Purpose of Issue: **SKETCH**
 Status: **S0**

LAND WEST OF CRAWLEY DOWN (HURST FARM)

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 www.ramboll.co.uk

HURST FARM DRAINAGE SKETCH

Project No:	Scale (B/A1):	Date:
1620011691	1:500	APR 25
Drawn:	Designed by:	
AP	AP	
Drawing No:	Rev:	
RAM-HDG-XX-SK-C-00011	P04	