



SITE AREA: 5.13ha
 DEVELOPMENT AREA: 3.51ha
 ASSUME 60% IMPERMEABLE
 IMPERMEABLE AREA: 2.10ha

GREENFIELD RUNOFF RATE:
 Q1: 6.7 l/s
 Q30: 18.0 l/s
 Q100: 25.7 l/s

CATCHMENT A
 TOTAL AREA: 1.67ha
 PERCENTAGE IMPERMEABLE: 60%
 IMPERMEABLE AREA: 1.00ha

CATCHMENT B
 TOTAL AREA: 1.84ha
 PERCENTAGE IMPERMEABLE: 60%
 IMPERMEABLE AREA: 1.10ha

BASIN A
 CL: 87.50
 IL: 86.30
 BASE AREA: 587m²
 TOP AREA: 1185m²
 VOLUME: 905m³
 FREEBOARD: 191mm

PROPOSED FLOW CONTROL CHAMBER
 CL: 87.50
 IL: 86.25
 MAX DISCHARGE RATE: 1 l/s

BASIN B
 CL: 82.50
 IL: 81.00
 BASE AREA: 79m²
 TOP AREA: 544m²
 VOLUME: 484m³
 FREEBOARD: 300mm

PROPOSED FLOW CONTROL CHAMBER
 CL: 82.50
 IL: 80.95
 1:1 YR DISCHARGE RATE: 6.7 l/s
 1:100 YR DISCHARGE RATE: 25.7 l/s

- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
 - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METERS UNLESS OTHERWISE STATED.
 - ALL DIMENSIONS, LEVEL AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS.
 - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
 - ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE.
 - ALL EXISTING SERVICE ROUTES HAVE BEEN TRANSCRIBED FROM THE RESPECTIVE UNDERTAKERS RECORDS AND AS SUCH NO RESPONSIBILITY IS ACCEPTED BY ARDENT CONSULTING ENGINEERS FOR THE ACCURACY OF ROUTES SHOWN.
 - THE AVOIDANCE AND PROTECTION OF SERVICES DURING THE WORKS IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR IS REMINDED OF HIS OBLIGATION TO VERIFY THE ROUTE OF ALL SERVICES ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - THE CONTRACTOR SHOULD ALLOW FOR ANY NECESSARY LIAISON WITH THE STATUTORY UTILITIES DURING THE COURSE OF THE WORKS TO AVOID ANY DISRUPTION TO RETAINED SERVICES.
 - THE CONTRACTOR SHOULD NOTE THAT THE SERVICES SHOWN ARE NOT TO BE CONSIDERED EXHAUSTIVE. PRIVATE SERVICES MAY BE PRESENT WITHIN THE LIMIT OF WORKS AND CARE SHOULD BE TAKEN TO LOCATE AND AVOID THESE DURING CONSTRUCTION.

ALL INFORMATION REGARDING DRAINAGE IS INDICATIVE ONLY AND FOR INFORMATION ONLY.

SITE LAYOUT IS BASED UPON DAP ARCHITECTURE DRAWING, PROP SCHEME DESIGN PLAN REV 100.02 RECEIVED MARCH 2022

TOPOGRAPHICAL SURVEY IS BASED UPON SURVEY BY COUNTRYSIDE PROPERTIES, REF. SURV2956 REV A DATED MARCH 2022.

TREE ROOT PROTECTION SURVEY IS BASED UPON SURVEY BY HALLWOOD ASSOCIATES, REF. HWA10767_A/PII DATED MARCH 2022.

NOT FOR CONSTRUCTION
 FOR INFORMATION ONLY



- KEY
- SITE BOUNDARY
 - FOUL WATER SEWER & MANHOLE
 - SURFACE WATER SEWER & MANHOLE
 - PROPOSED UNDER-DRAINED SWALE
 - PROPOSED BASIN
 - PROPOSED BURIED STORAGE TANK
 - PCC HEADWALL
 - CATCHMENT A
 - CATCHMENT B
 - ROOT PROTECTION AREAS
 - 1 IN 30 YEAR FLOOD EXTENTS
 - 1 IN 100 YEAR FLOOD EXTENTS
 - 1 IN 1000 YEAR FLOOD EXTENTS

PROPOSED FW MH ON EXISTING FW SEWER
 CL: 83.30
 IL: 81.30

EXISTING FW MANHOLE
 CL: 82.546
 IL: 81.286

EXISTING FW MANHOLE
 CL: 85.510
 IL: 82.550

PROPOSED FW MH ON EXISTING FW SEWER
 CL: 84.95
 IL: 82.43

EXISTING FW MANHOLE TO BE REMOVED
 CL: 83.405
 IL: 82.265

BURIED STORAGE TANK
 MIN. CL: 83.10
 IL: 81.30
 AREA: 290m²
 DEPTH: 0.9m
 VOLUME: 234m³

A	LAYOUT UPDATED AND BASINS MOVED.	AW	AW	BB	29.03.22
Rev	Description	Drn	Chk	App	Date

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Client
COUNTRYSIDE PARTNERSHIPS PLC

Project Title
LAND SOUTH OF HENHAM ROAD, ELSENHAM

Drawing Title
DRAINAGE STRATEGY

A1 Scale	Date	Designed by
1:500	MARCH 2022	DCR
Drawn by	Checked by	Approved by
DCR	AW	BB
Drawing Number	2008170-030	
		Rev A

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