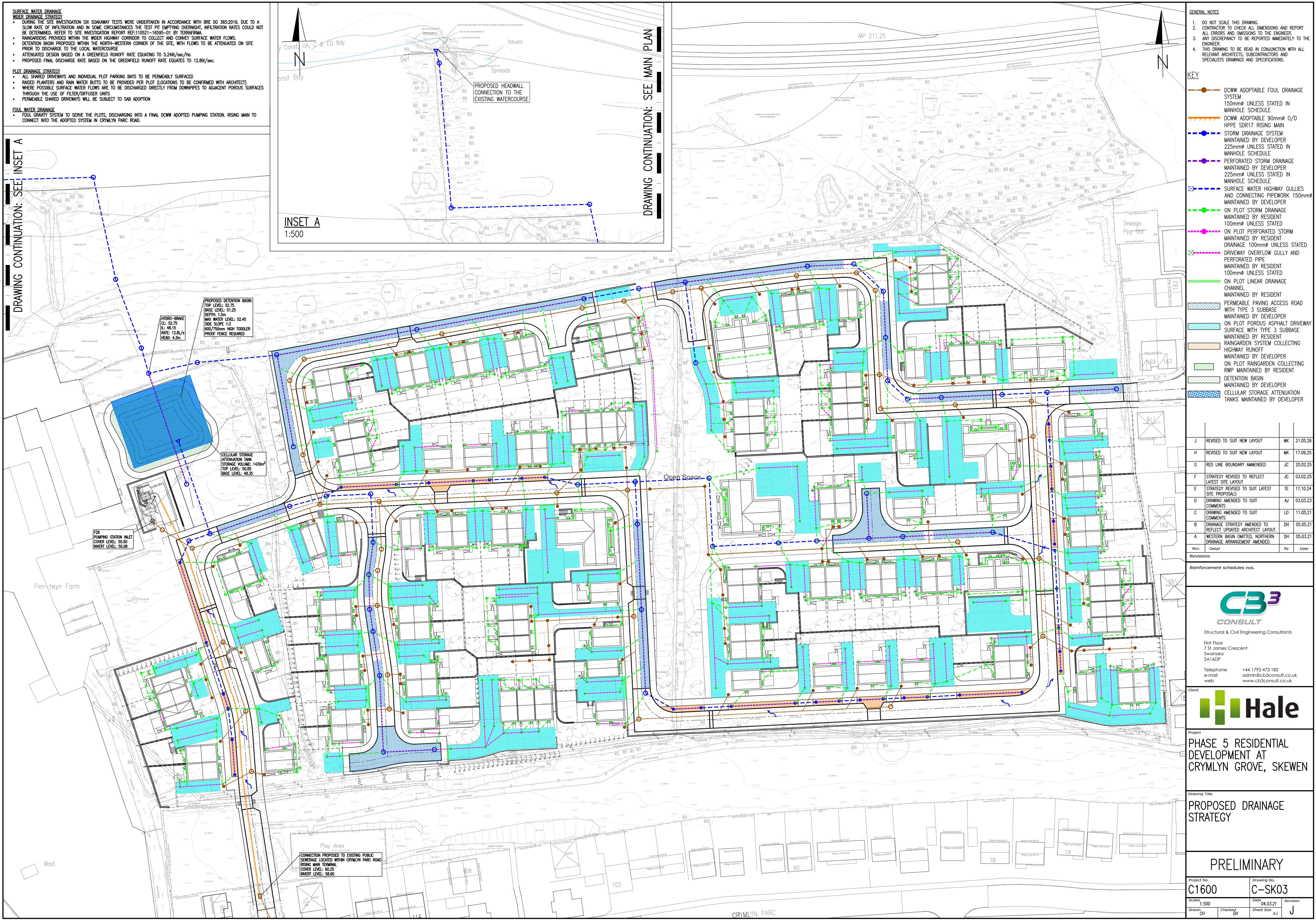




SURFACE WATER DRAINAGE
WIDER DRAINAGE STRATEGY

- DURING THE SITE INVESTIGATION SIX SOAKAWAY TESTS WERE UNDERTAKEN IN ACCORDANCE WITH BRE DO 365:2016. DUE TO A SLOW RATE OF INFILTRATION AND IN SOME CIRCUMSTANCES THE TEST PIT EMPTYING OVERNIGHT, INFILTRATION RATES COULD NOT BE DETERMINED. REFER TO SITE INVESTIGATION REPORT REF:110521-16595-01 BY TERRAFIRMA.
- RAINGARDENS PROVIDED WITHIN THE WIDER HIGHWAY CORRIDOR TO COLLECT AND CONVEY SURFACE WATER FLOWS.
- DETENTION BASIN PROPOSED WITHIN THE NORTH-WESTERN CORNER OF THE SITE, WITH FLOWS TO BE ATTENUATED ON SITE PRIOR TO DISCHARGE TO THE LOCAL WATERCOURSE.
- ATTENUATED DESIGN BASED ON A GREENFIELD RUNOFF RATE EQUATING TO 5.24l/s/ha
- PROPOSED FINAL DISCHARGE RATE BASED ON THE GREENFIELD RUNOFF RATE EQUATES TO 12.8l/s/ha.

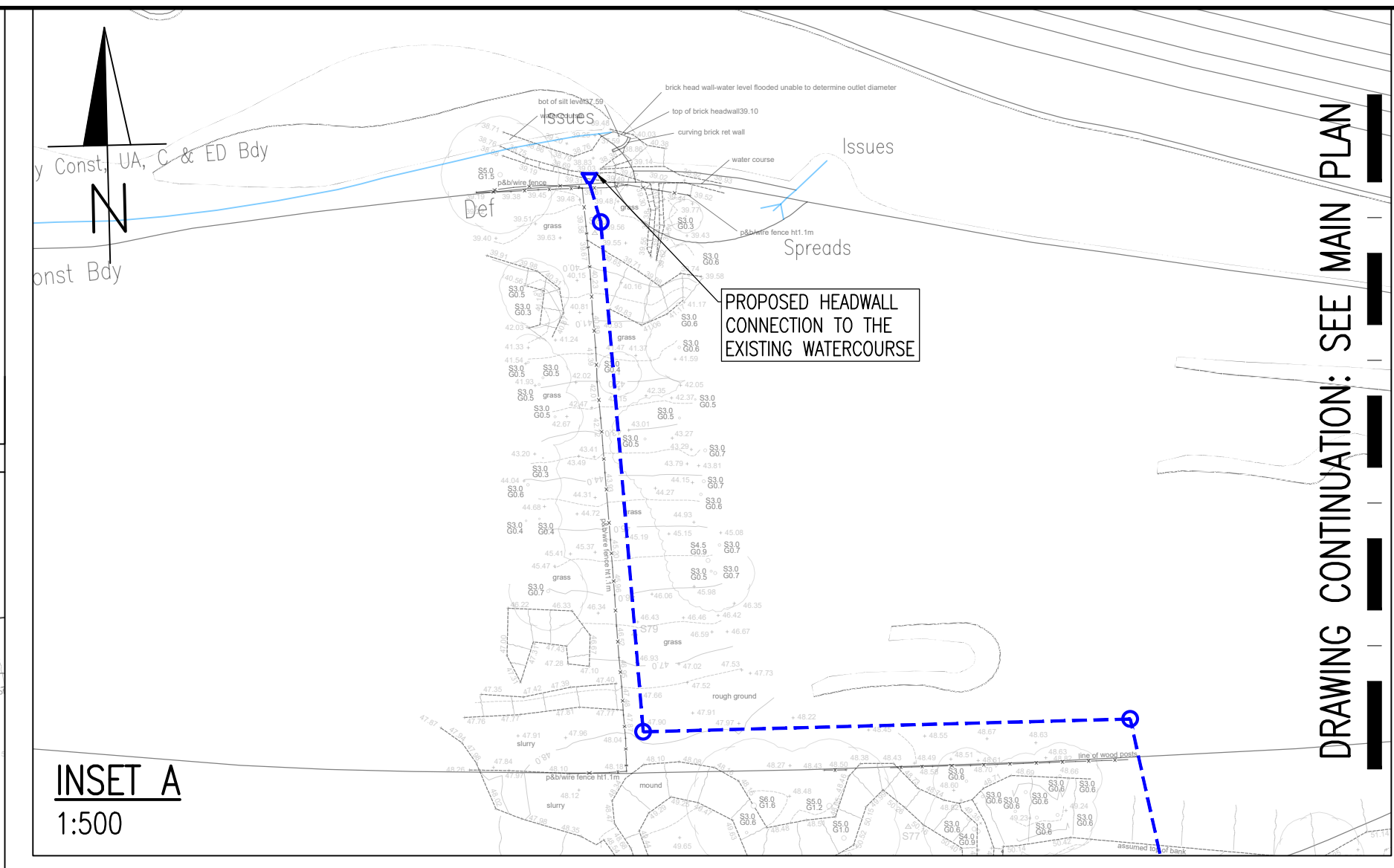
PLOT DRAINAGE STRATEGY

- ALL SHARED DRIVEWAYS AND INDIVIDUAL PLOT PARKING BAYS TO BE PERMEABLY SURFACED
- RAISED PLANTERS AND RAIN WATER BUTTS TO BE PROVIDED PER PLOT (LOCATIONS TO BE CONFIRMED WITH ARCHITECT)
- WHERE POSSIBLE SURFACE WATER FLOWS ARE TO BE DISCHARGED DIRECTLY FROM DOWNPIPES TO ADJACENT POROUS SURFACES THROUGH THE USE OF FILTER/DIFFUSER UNITS
- PERMEABLE SHARED DRIVEWAYS WILL BE SUBJECT TO SAB ADOPTION

FOUL WATER DRAINAGE

- FOUL GRAVITY SYSTEM TO SERVE THE PLOTS, DISCHARGING INTO A FINAL DOWW ADOPTED PUMPING STATION. RISING MAIN TO CONNECT INTO THE ADOPTED SYSTEM IN CRYMLYN PARC ROAD.

DRAWING CONTINUATION: SEE INSET A



DRAWING CONTINUATION: SEE MAIN PLAN

- GENERAL NOTES**
1. DO NOT SCALE THIS DRAWING.
 2. CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
 3. ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

- KEY**
- DCWW ADOPTABLE FOUL DRAINAGE SYSTEM 150mmØ UNLESS STATED IN MANHOLE SCHEDULE
 - DCWW ADOPTABLE 90mmØ O/D HPPE SDR17 RISING MAIN
 - STORM DRAINAGE SYSTEM MAINTAINED BY DEVELOPER 225mmØ UNLESS STATED IN MANHOLE SCHEDULE
 - PERFORATED STORM DRAINAGE MAINTAINED BY DEVELOPER 225mmØ UNLESS STATED IN MANHOLE SCHEDULE
 - SURFACE WATER HIGHWAY GULLIES AND CONNECTING PIPEWORK 150mmØ MAINTAINED BY DEVELOPER
 - ON PLOT STORM DRAINAGE MAINTAINED BY RESIDENT 100mmØ UNLESS STATED
 - ON PLOT PERFORATED STORM DRAINAGE 100mmØ UNLESS STATED
 - DRIVEWAY OVERFLOW GULLY AND PERFORATED PIPE MAINTAINED BY RESIDENT 100mmØ UNLESS STATED
 - ON PLOT LINEAR DRAINAGE CHANNEL MAINTAINED BY RESIDENT
 - PERMEABLE PAVING ACCESS ROAD WITH TYPE 3 SUBBASE MAINTAINED BY DEVELOPER
 - ON PLOT POROUS ASPHALT DRIVEWAY SURFACE WITH TYPE 3 SUBBASE MAINTAINED BY RESIDENT
 - RAINGARDEN SYSTEM COLLECTING HIGHWAY RUNOFF MAINTAINED BY DEVELOPER
 - ON PLOT RAINGARDEN COLLECTING RWP MAINTAINED BY RESIDENT
 - DETENTION BASIN MAINTAINED BY DEVELOPER
 - CELLULAR STORAGE ATTENUATION TANKS MAINTAINED BY DEVELOPER

Rev.	Detail	By	Date
J	REVISED TO SUIT NEW LAYOUT	MK	21.05.26
H	REVISED TO SUIT NEW LAYOUT	MK	17.09.25
G	RED LINE BOUNDARY AMENDED	JC	20.02.25
F	STRATEGY REVISED TO REFLECT LATEST SITE LAYOUT	JC	03.02.25
E	STRATEGY REVISED TO SUIT LATEST SITE PROPOSALS	TE	17.10.24
D	DRAWING AMENDED TO SUIT COMMENTS	AJ	03.03.23
C	DRAWING AMENDED TO SUIT COMMENTS	LO	11.05.21
B	DRAINAGE STRATEGY AMENDED TO REFLECT UPDATED ARCHITECT LAYOUT.	DH	05.05.21
A	WESTERN BASIN OMITTED, NORTHERN DRAINAGE ARRANGEMENT AMENDED.	DH	05.03.21

Revisions

Reinforcement schedules nos.

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Client

Hale

Project

PHASE 5 RESIDENTIAL DEVELOPMENT AT CRYMLYN GROVE, SKEWEN

Drawing Title

PROPOSED DRAINAGE STRATEGY

PRELIMINARY

Project No. C1600	Drawing No. C-SK03
Scales 1:500	Date 04.03.21
Drawn CH	Checked DH
Sheet Size A1	Revision J

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