SURFACE WATER DRAINAGE
WIDER DRAINAGE STRATEGY

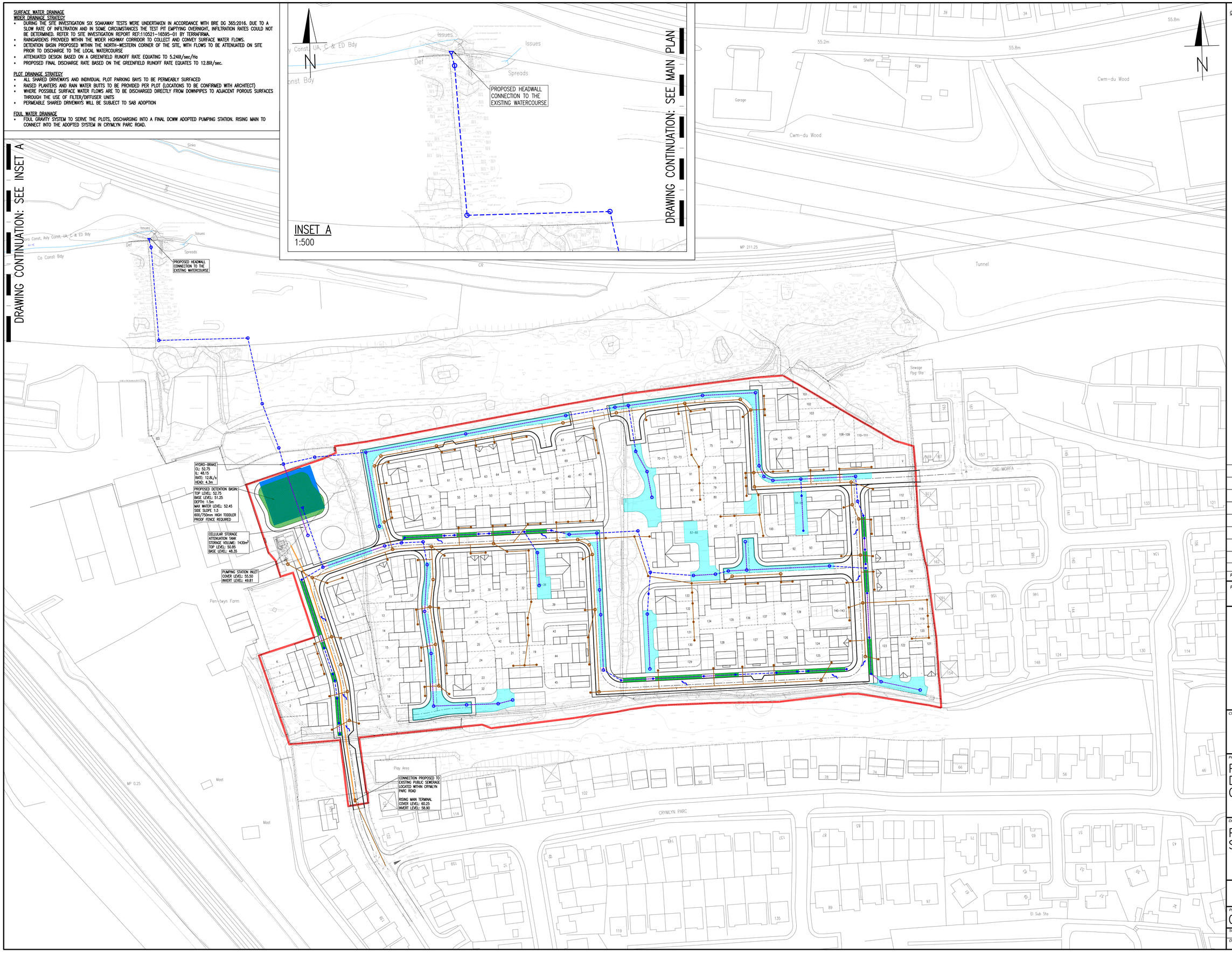
- DURING THE SITE INVESTIGATION SIX SOAKAWAY TESTS WERE UNDERTAKEN IN ACCORDANCE WITH BRE DG 365:2016. DUE TO A SLOW RATE OF INFILTRATION AND IN SOME CIRCUMSTANCES THE TEST PIT EMPTYING OVERNIGHT, INFILTRATION RATES COULD NOT BE DETERMINED. REFER TO SITE INVESTIGATION REPORT REF:110521-16595-01 BY TERRAFIRMA.
- 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/sec/Ha
- PROPOSED FINAL DISCHARGE RATE BASED ON THE GREENFIELD RUNOFF RATE EQUATES TO 12.8ℓ/sec.

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 DCWW ADOPTED PUMPING STATION. RISING MAIN TO CONNECT INTO THE ADOPTED SYSTEM IN CRYMLYN PARC ROAD.




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

- PROPOSED STORM DRAINAGE PIPEWORK
- PROPOSED STORM DRAINAGE PERFORATED PIPEWORK
- DCWW FOUL DRAINAGE
- 90mmø O/D HPPE SDR17 ADOPTABLE RISING MAIN
- PERMEABLE SURFACING
- PROPOSED RAINGARDENS
- PROPOSED DETENTION BASIN
- PROPOSED ATTENUATION TANK

| Rev. | Detail | By | Date |
|---|---|---|---|
| H | REVISED TO SUIT NEW LAYOUT | MK | 17.09.25 |
| G | RED LINE BOUNDARY AMMENDED | 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.


CB3 CONSULT
Structural & Civil Engineering Consultants

First Floor
7 St James Crescent
Swansea
SA16DP

Telephone +44 1792 473 182
e-mail admin@cb3consult.co.uk
web www.cb3consult.co.uk


Client: Hale

Project
PHASE 5 RESIDENTIAL DEVELOPMENT AT CRYMLYN GROVE, SKEWEN

Drawing Title
PROPOSED DRAINAGE STRATEGY

PRELIMINARY

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

© This drawing may not be copied without prior written permission