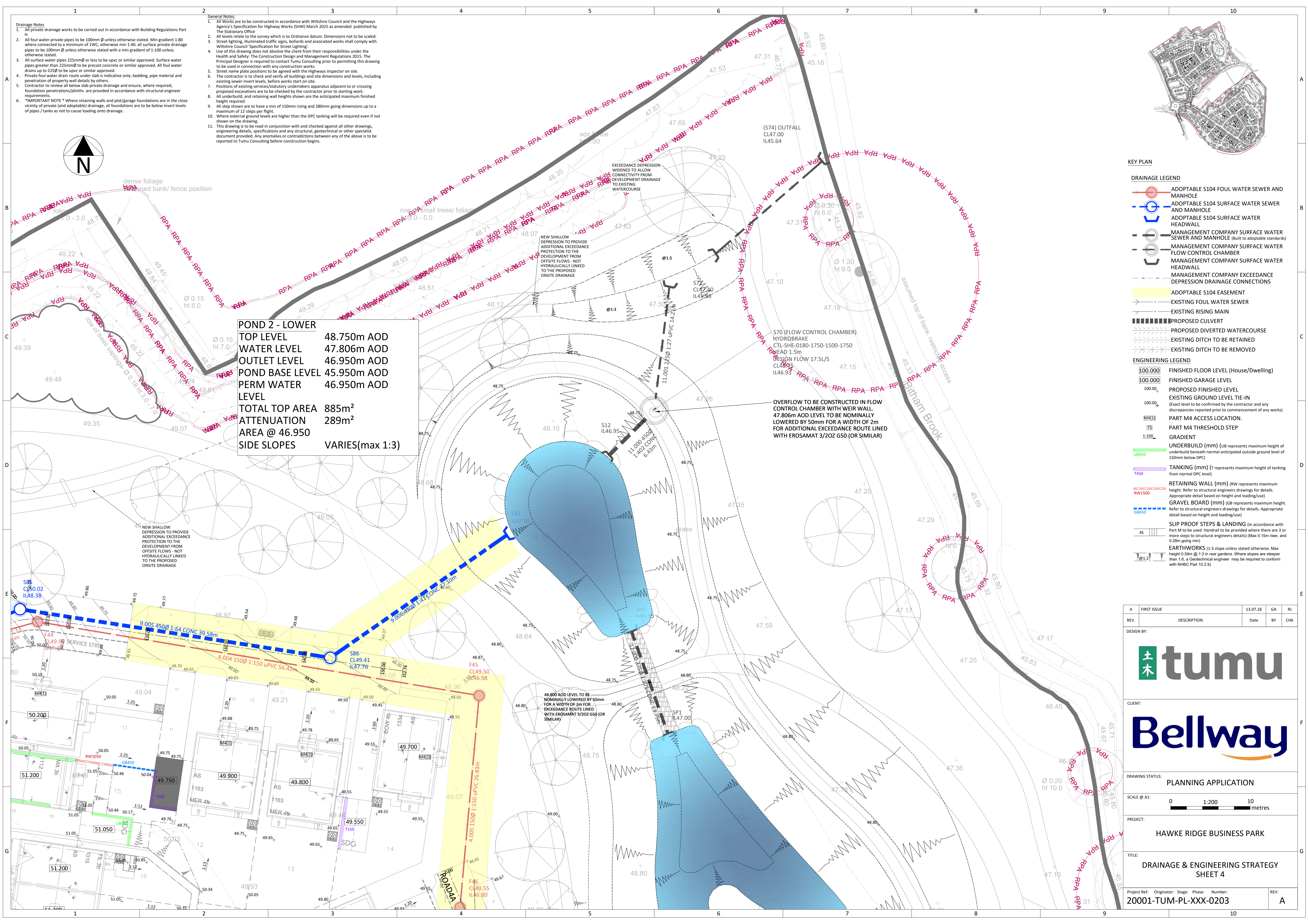




Drainage Notes

1. All private drainage works to be carried out in accordance with Building Regulations Part H.
2. All foul water private pipes to be 100mm Ø unless otherwise stated. Min gradient 1:80 where connected to a minimum of 1WC, otherwise min 1:40. All surface private drainage pipes to be 100mm Ø unless otherwise stated with a min gradient of 1:100 unless otherwise stated.
3. All surface water pipes 225mmØ or less to be upvc or similar approved. Surface water pipes greater than 225mmØ to be precast concrete or similar approved. All foul water drains up to 225Ø to be upvc or similar approved.
4. Private foul water drain route under slab is indicative only; bedding, pipe material and penetration of property wall details by others.
5. Contractor to review all below slab private drainage and ensure, where required, foundation penetrations/plinths are provided in accordance with structural engineer requirements.
6. *IMPORTANT NOTE * Where retaining walls and plot/garage foundations are in the close vicinity of private (and adoptable) drainage, all foundations are to be below invert levels of pipes / tanks as not to cause loading onto drainage.

- General Notes:
1. All Works are to be constructed in accordance with Wiltshire Council and the Highways Agency's Specification for Highway Works (SHW) March 2025 as amended published by The Stationary Office
 2. All levels relate to the survey which is to Ordnance datum. Dimensions not to be scaled.
 3. Street lighting, illuminated traffic signs, bollards and associated works shall comply with Wiltshire Council 'Specification for Street Lighting'.
 4. Use of this drawing does not absolve the client from their responsibilities under the Health and Safety. The Construction Design and Management Regulations 2015. The Principal Designer is required to contact Tumú Consulting prior to permitting this drawing to be used in connection with any construction works.
 5. Street name plate positions to be agreed with the Highways Inspector on site.
 6. The contractor is to check and verify all buildings and site dimensions and levels, including existing sewer invert levels, before works start on site.
 7. Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed excavations are to be checked by the contractor prior to starting work.
 8. All underbuild, and retaining wall heights shown are the anticipated maximum finished height required.
 9. All step shown are to have a min of 150mm rising and 280mm going dimensions up to a maximum of 12 steps per flight.
 10. Where external ground levels are higher than the DPC tanking will be required even if not shown on the drawing.
 11. This drawing is to be read in conjunction with and checked against all other drawings, engineering details, specifications and any structural, geotechnical or other specialist document provided. Any anomalies or contradictions between any of the above is to be reported to Tumú Consulting before construction begins.

POND 2 - LOWER

TOP LEVEL 48.750m AOD
WATER LEVEL 47.806m AOD
OUTLET LEVEL 46.950m AOD
POND BASE LEVEL 45.950m AOD
PERM WATER LEVEL 46.950m AOD
LEVEL

TOTAL TOP AREA 885m²
ATTENUATION 289m²
AREA @ 46.950
SIDE SLOPES VARIES(max 1:3)

- KEY PLAN
- DRAINAGE LEGEND**
- ADOPTABLE S104 FOUL WATER SEWER AND MANHOLE
 - ADOPTABLE S104 SURFACE WATER SEWER AND MANHOLE
 - ADOPTABLE S104 SURFACE WATER HEADWALL
 - MANAGEMENT COMPANY SURFACE WATER SEWER AND MANHOLE (built to adoptable standards)
 - MANAGEMENT COMPANY SURFACE WATER FLOW CONTROL CHAMBER
 - MANAGEMENT COMPANY SURFACE WATER HEADWALL
 - MANAGEMENT COMPANY EXCEEDANCE DEPRESSION DRAINAGE CONNECTIONS
 - ADOPTABLE S104 EASEMENT
 - EXISTING FOUL WATER SEWER
 - EXISTING RISING MAIN
 - PROPOSED DIVERTED WATERCOURSE
 - EXISTING DITCH TO BE RETAINED
 - EXISTING DITCH TO BE REMOVED
- ENGINEERING LEGEND**
- 100.000 FINISHED FLOOR LEVEL (House/Dwelling)
 - 100.000 FINISHED GARAGE LEVEL
 - 100.00 PROPOSED FINISHED LEVEL
 - 100.00 EXISTING GROUND LEVEL TIE-IN (Exact level to be confirmed by the contractor and any discrepancies reported prior to commencement of any works)
 - M4/1 PART M4 ACCESS LOCATION
 - T5 PART M4 THRESHOLD STEP
 - 1:100 GRADIENT
 - UNDERBUILD (mm) (UB represents maximum height of underbuild beneath normal anticipated outside ground level of 150mm below DPC)
 - T450 TANKING (mm) (T represents maximum height of tanking from normal DPC level)
 - RW1500 RETAINING WALL (mm) (RW represents maximum height. Refer to structural engineers drawings for details. Appropriate detail based on height and loading/use)
 - GB450 GRAVEL BOARD (mm) (GB represents maximum height. Refer to structural engineers drawings for details. Appropriate detail based on height and loading/use)
 - SLIP PROOF STEPS & LANDING (in accordance with Part M to be used. Handrail to be provided where there are 3 or more steps to structural engineers details) (Max 0.15m riser, and 0.28m going min)
 - EARTHWORKS (1:3 slope unless stated otherwise. Max height 0.5m @ 1:3 in rear gardens. Where slopes are steeper than 1:6, a Geotechnical engineer may be required to conform with NHBC Part 10.2.9)

A	FIRST ISSUE	13.07.26	GA	RJ
REV.	DESCRIPTION	Date	BY	CHK

DESIGN BY:

tumu

CLIENT:

Bellway

DRAWING STATUS: **PLANNING APPLICATION**

SCALE @ A1: 0 1:200 10 metres

PROJECT: **HAWKE RIDGE BUSINESS PARK**

TITLE: **DRAINAGE & ENGINEERING STRATEGY SHEET 4**

Project Ref: 20001-TUM-PL-XXX-0203

Stage: Phase: Number: 0203

REV: **A**