



POP-UPS SHOWN ARE INDICATIVE
AND ARE SUBJECT TO CONFIRMATION
BY M&E DESIGNER / ARCHITECT

SIPHONIC LOCATIONS ARE TO
BE CONFIRMED BY SPECIALIST.
PRIMARY AND SECONDARIES TO
CONNECT UNDERGROUND

DRAINAGE DESIGN PROPOSALS ARE
SUBJECT TO APPROVAL OF THE WATER
AUTHORITY, BUILDING CONTROL AND THE
ENVIRONMENT AGENCY



Key Revisions as requested by Winvic:

- Kerb drainage in service yard routes replaced with slot drains.
- Kerb drainage in the car park area replaced with linear drains.
- SW MH 41A added to avoid clash with retaining wall foundation.

Other revisions:

- Manhole invert levels, cover levels etc to accommodate Winvic amendments (clouded).
- Foul drainage route in South Service yard road realigned to accommodate slot drains (clouded).
- Land drainage added to back of king post retaining wall; soakaways added at end of land drain runs (high points shown).

Important CDM / H&S note

The Designers would draw the readers attention to the key residual health and safety risks that have not been eliminated from the designs shown on this drawing by the design process. These key residual risks are identified below:

- Existing Drainage and Service Infrastructure to be retained not to be compromised. CONTRACTOR TO REFER TO UTILITY RECORDS AND SURVEYS PRIOR TO UNDERTAKING CONSTRUCTION ACTIVITIES.
- Care to be taken in vicinity of existing high voltage below electric cables. REFER TO UTILITIES SURVEYS FOR DETAILS.
- Care to be taken around deep excavations. Plant to be kept at safe distance.
- Moving plant. Care to be taken around site.
- Care to be taken working in the vicinity of existing retaining walls. Contractor to undertake works to not compromise stability.
- High ground water table. Care to be taken when excavating and appropriate trench supports to be used.
- Care to be taken in vicinity of British Telecoms below and above ground electric cables. REFER TO UTILITIES SURVEYS FOR DETAILS.

Any construction personnel including operatives intending to construct the designs shown on this drawing should ensure that they have been regularly and thoroughly briefed by the principal Contractor on all health and safety matters and have had sight of:

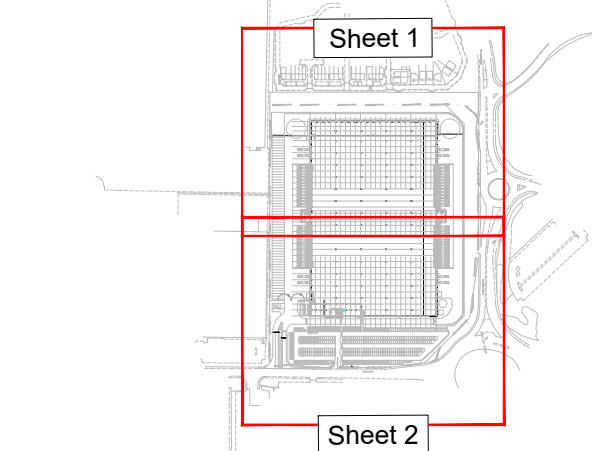
- The full Designers and Contractors risk assessments and risk registers.
- The developed construction health and safety plan.
- The Contractors construction method statements.

Hazards that are obvious to a competent Contractor are not shown, as are every day and low risk hazards.

Notes

- All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- Pipes are to be a minimum of 150mm diameter unless noted otherwise, or 150mm for gullies and drainage channel sumps.
- Prior to the commencement of work the location, size and depth of all existing drains / sewers and services shall be established by the Contractor. Any discrepancies from the information indicated on these drawings shall immediately be brought to the attention of the Architect and / or Engineer.
- Refer to drawing P26014-BWB-EX-XX-DR-C-0001_Civil Engineering Design Notes.
- Refer to drawings:
 - P26014-BWB-EX-XX-DR-C-0501
 - P26014-BWB-EX-XX-DR-C-0501
 - P26014-BWB-EX-XX-DR-C-0502
 - P26014-BWB-EX-XX-DR-C-0503
 - P26014-BWB-EX-XX-DR-C-0504

Key Plan - NTS



Legend

- Proposed Surface Water Drainage
- Perforated Pipe Land Drain
- Slot Drain
- Precast Concrete Dish Channel
- Grated Channel Drain
- Foul Water Channel Drain
- Surface Water Flow Control Chamber
- Vented Manhole
- Bypass separator
- Full Retention Interceptor
- Gully
- Surface Water Back Drop
- Channel Drain Access Point
- Rain Water Pipe
- Siphonic Rain Water Pipe
- Channel Drain Sump
- Soakaway
- Secondary Siphonic Rain Water Pipe
- Rainwater Harvesting Tank
- Proposed Foul Sewer Drainage
- Foul Pumping Station
- Pumping Rising Main
- Foul Back Drop
- Red Line Boundary
- Vent Pipe

C03	21.08.26	Construction Issue	MB	PJL
C02	12.08.26	Construction Issue	PJL	PJL
C01	31.07.26	Construction Issue	MB	PD
P02	17.07.26	Revisions as Clouded Following Coordination	MB	PJL
Rev	Date	Details of issue / revision	Drw	Rev

Issues & Revisions

☐ Birmingham 0121 233 3322
☒ Leeds 0113 233 8000
☐ London 020 7407 3879
☐ Manchester 0161 233 4260
☐ Nottingham 0115 924 1100
www.bwbconsulting.com

Client

PANATTONI

Project Title

Delin,
California Drive,
Castleford

Drawing Title

Drainage Layout
Sheet 1

Drawn:	J. Roberts	Reviewed:	P. Laidler
BWB Ref:	255497	Date:	April 26
Scale@A1:	1:500		

FOR CONSTRUCTION

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
P26014-BWB-EX-XX-DR-C-0501	A5	C03