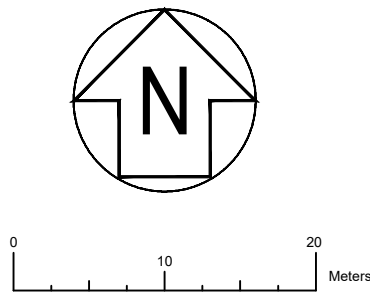


Key:

- Red line boundary.
- Proposed surface water drainage.
- Proposed permeable paving.
- Proposed channel drain.
- Proposed underground storage tank.
- Proposed ditch diversion. Details including route, to be confirmed during future design stages.
- Existing ditch to be retained.
- Proposed combined sewer.
- Proposed combined sewer rising main.
- PS

Proposed pumping station.
- Proposed swale.



Notes

- Unless otherwise stated, all dimensions are in metres.
- Any discrepancies to be immediately reported to the Engineer.
- The drainage design for the area applied for in full is provided for approval, with the drainage design for the area applied for in outline provided for illustrative purposes (not for approval).
- The surface water network was sized to limit proposed discharge to 175.65 l/s based on Qbar value as per the greenfield runoff rate with no flooding.
- For hydraulic calculations refer to report no.: "T_21_2486-REP-55-01_Proposed Surface Water Drainage-InfoDrainage Summary".
- Coordination with landscape architect required during the subsequent design stages to determine position of the landscape features.
- Coordination with the MEP engineer required in the subsequent design stages:
 - Presented proposals are based on assumed locations of rainwater pipes. Position is to be confirmed.
 - Building drainage connections are not shown and are subject to detailed design.
 - The proposals do not allow for surface water drainage connections from the basements. To be confirmed in the later design stages.
- The proposed surface water drainage network is subject to change during future design stages.
- All invert levels, pipe diameters, manhole sizes and position of drainage features including but not limited to pipes, manholes, channel drains, permeable paving, cellular storage and gullies are indicative only.
- Size, number and location of attenuation is indicative only and subject to change in future design stages.
- Number and type of connections from channel drains, including dock levelers, into underground storage tanks are to be confirmed in the future design stages.
- This drawing is to be read in conjunction with all relevant Civil Engineering drawings, reports, calculations and other documentation including but not limited to:
 - "T-21-2486-55-01_Proposed Foul Water Drainage Strategy".
 - "T-21-2486-55-02_Proposed Surface Water Drainage Strategy".
 - For catchments refer to drawings no.: "T-21-2486-55-11_Proposed Surface Water Drainage-Catchment Plan-Sheet 01" to "T-21-2486-55-18_Proposed Surface Water Drainage-Catchment Plan-Sheet 08".
 - "T-21-2486-55-91_Proposed Drainage Details-Sheet 01" and consecutive drainage details sheets.
 - For ground proposed levels refer to drawings no.: "T-21-2486-60-01_Proposed Ground-Contours & Levels-Layout-Sheet 01" to "T-21-2486-60-08_Proposed Ground-Contours & Levels-Layout-Sheet 01".



Sheet arrangement plan
Scale 1:10,000

P03	29.06.2023	FJB	Drainage, key and notes update.	WL	PJB
P02	15.06.2023	FJB	Drainage and red line update.	WL	PJB
P01	02.06.2023	FJB	First issue.	WL	PJB

Rev	Date	By	Description	Chk	App
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Status

PLANNING



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Project

**Bryn Lane, Wrexham,
Wrexham Industrial Estate, Phase 2**

Title

**Proposed Surface Water Drainage
Layout-Sheet 03**

Scale	Drawn	Revision
1:500@A1	F.J.BEDNARSKI	P03
Date	Checked	
02.06.2023	W.N.LLOYD	

Drawing No :

T_21_2486-55-23