



**ATTENUATION BASIN**  
 BASE AREA= 347.2 m<sup>2</sup>  
 TOP OF BASIN AREA= 739.9 m<sup>2</sup>  
 SIDE SLOPES=1:1  
 TOP OF BASIN=135.50  
 BASE LEVEL=134.10  
**PPP MODEL DETAILS**  
 TOTAL SITE AREA = 5.4 ha  
 CONTRIBUTING AREA:  
 IMPERMEABLE SURFACES, ROADS, ROOFS, DRIVEWAYS = 0.73 ha  
 UNDEVELOPED GREENFIELD = 0.83 ha  
 360 MINUTE 10.0% AEP RAINFALL EVENT MODEL RESULTS,  
 BASED ON A 3.5 l/s OUTFLOW:  
 DISCHARGE VOLUME = 194.8 m<sup>3</sup>  
 WATER LEVEL = 134.583 m AOD  
 FREEBOARD = 0.917 m

**ATTENUATION BASIN**  
 BASE AREA= 424.7 m<sup>2</sup>  
 TOP OF BASIN AREA= 919.6 m<sup>2</sup>  
 SIDE SLOPES=1:1  
 TOP OF BASIN=128.55  
 BASE LEVEL=127.15  
**PPP MODEL DETAILS**  
 TOTAL SITE AREA = 5.4 ha  
 CONTRIBUTING AREA:  
 IMPERMEABLE SURFACES, ROADS, ROOFS, DRIVEWAYS = 1.24 ha  
 UNDEVELOPED GREENFIELD = 1.22 ha  
 360 MINUTE 10.0% AEP RAINFALL EVENT MODEL RESULTS,  
 BASED ON A 13.3 l/s OUTFLOW:  
 DISCHARGE VOLUME = 214.0 m<sup>3</sup>  
 WATER LEVEL = 127.579 m AOD  
 FREEBOARD = 0.975 m

AS ROADS IN SOUTHERN PART OF SITE ARE COMPLETED, PIPE REACTOR AND SILT CAPTURE CHANNEL TO BE MOVED ONTO THE PUMP STATION ROAD, WITH FLOWS PUMPED FROM SIV MANHOLE THROUGH THE TREATMENT SYSTEM AND ALLOWED TO DRAIN BACK INTO THE FLOW CONTROL MANHOLE VIA GULLY IN LOW SPOT OF ROAD.

FROG ENVIRONMENTAL PIPE REACTOR

MIN. 30m HOSE REQUIRED

TEMPORARY PUMP IN MH S36  
 MAX PUMP RATE = 13.3 l/s

TEMPORARY BUNTING TO BE PLACED IN OUTLET PIPE

OFFSITE OUTFALL CONNECTION ASSUMED TO BE COMPLETE DURING PHASE 3

FLOW CONTROL MH  
 FLOW RATE = 3.5 l/s

**NOTES**

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT WEETWOOD DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF WEETWOOD.
- ANNUAL EXCEEDANCE PROBABILITY RAINFALL EVENTS:
  - 100.0% (1:1) AEP RAINFALL EVENT
  - 50.0% (1:2) AEP RAINFALL EVENT
  - 3.3% (1:30) AEP RAINFALL EVENT
  - 1.0% (1:100) AEP RAINFALL EVENT
- PROPOSED SITE LAYOUT TAKEN FROM LAYOUT PROVIDED BY MILLER HOMES (JUL 2025).
- EXISTING LEVEL INFORMATION TAKEN FROM LAYOUT PROVIDED BY MILLER HOMES (JUL 2025).
- PROPOSED SURFACE WATER AND FOUL DRAINAGE TAKEN FROM DRAINAGE PLAN PROVIDED BY MILLER HOMES ON JUL 2025 (FILE REF: 1223-X-Cvbase)

- PPP KEY**
- PROPOSED BUNDING
  - PROPOSED DISH CHANNEL
  - PROPOSED SILT FENCING
  - OVERLAND FLOW ROUTE
  - 22.49+ EXISTING GROUND LEVEL
  - 22.49+ PROPOSED GROUND LEVEL

- DESIGNS BY OTHERS:**
- PROPOSED FOUL WATER SEWER
  - PROPOSED FOUL WATER RISING MAIN
  - PROPOSED SURFACE WATER SEWER
  - EXISTING WATERCOURSE
  - EXISTING TOPOGRAPHICAL LEVEL
  - SITE BOUNDARY

P1	28.08.25	INITIAL ISSUE	WC	TB
----	----------	---------------	----	----

REV	DATE	DESCRIPTION	DRAWN	CHECK BY
-----	------	-------------	-------	----------

**Weetwood**  
 Development • Planning • Environment

Park House, Florrid  
 Byemr Owar, Mold  
 CH7 1FQ  
 Tel 01352 700045  
 info@weetwood.net  
 www.weetwood.net

Client <b>MILLER HOMES</b>	
Drawing Status <b>CONSTRUCTION</b>	Date AUG 2025
Project <b>HERMITAGE PARK LEPTON HUDDERSFIELD</b>	Scale (1:1) 1:500
Drawn by WC	Check by TB
Drawing Number <b>6629-WTWD-00-XX-DR-D-9431</b>	Revision <b>P1</b>

**POLLUTION PREVENTION PLAN  
 PHASE 3**