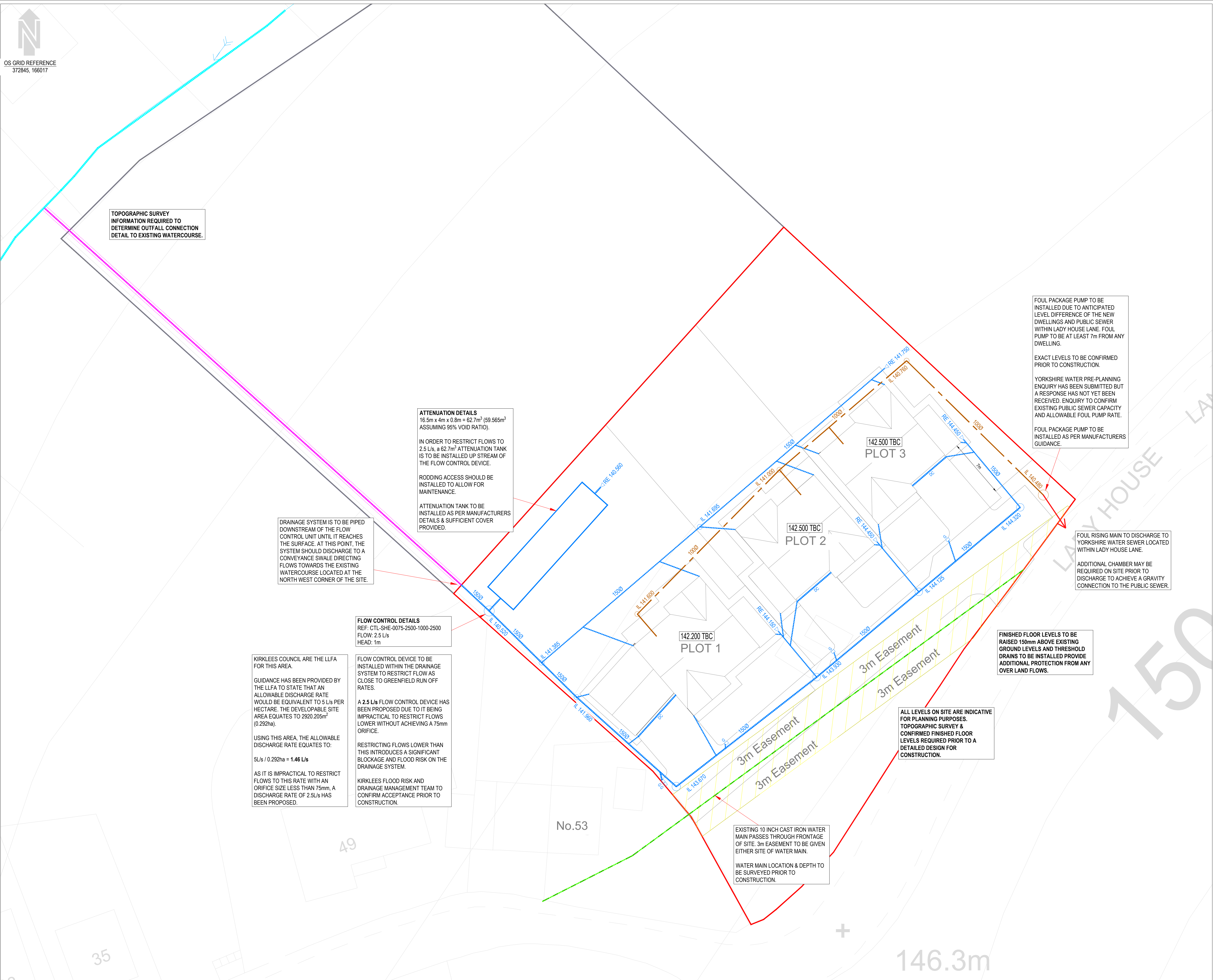




TOPOGRAPHIC SURVEY
INFORMATION REQUIRED TO
DETERMINE OUTFALL CONNECTION
DETAIL TO EXISTING WATERCOURSE.

ATTENUATION DETAILS
16.5m x 4m x 0.8m = 62.7m³ (59.565m³
ASSUMING 95% VOID RATIO).

IN ORDER TO RESTRICT FLOWS TO
2.5 L/s, a 62.7m³ ATTENUATION TANK
IS TO BE INSTALLED UP STREAM OF
THE FLOW CONTROL DEVICE.

RODDING ACCESS SHOULD BE
INSTALLED TO ALLOW FOR
MAINTENANCE.

ATTENUATION TANK TO BE
INSTALLED AS PER MANUFACTURERS
DETAILS & SUFFICIENT COVER
PROVIDED.

DRAINAGE SYSTEM IS TO BE PIPED
DOWNSTREAM OF THE FLOW
CONTROL UNIT UNTIL IT REACHES
THE SURFACE. AT THIS POINT, THE
SYSTEM SHOULD DISCHARGE TO A
CONVEYANCE SWALE DIRECTING
FLOWS TOWARDS THE EXISTING
WATERCOURSE LOCATED AT THE
NORTH WEST CORNER OF THE SITE.

FLOW CONTROL DETAILS
REF: CTL-SHE-0075-2500-1000-2500
FLOW: 2.5 L/s
HEAD: 1m

KIRKLEES COUNCIL ARE THE LLFA
FOR THIS AREA.

GUIDANCE HAS BEEN PROVIDED BY
THE LLFA TO STATE THAT AN
ALLOWABLE DISCHARGE RATE
WOULD BE EQUIVALENT TO 5 L/s PER
HECTARE. THE DEVELOPABLE SITE
AREA EQUATES TO 2920.205m²
(0.292ha).

USING THIS AREA, THE ALLOWABLE
DISCHARGE RATE EQUATES TO:

5L/s / 0.292ha = **1.46 L/s**

AS IT IS IMPRACTICAL TO RESTRICT
FLOWS TO THIS RATE WITH AN
ORIFICE SIZE LESS THAN 75mm, A
DISCHARGE RATE OF 2.5L/s HAS
BEEN PROPOSED.

FLOW CONTROL DEVICE TO BE
INSTALLED WITHIN THE DRAINAGE
SYSTEM TO RESTRICT FLOW AS
CLOSE TO GREENFIELD RUN OFF
RATES.

A **2.5 L/s** FLOW CONTROL DEVICE HAS
BEEN PROPOSED DUE TO IT BEING
IMPRACTICAL TO RESTRICT FLOWS
LOWER WITHOUT ACHIEVING A 75mm
ORIFICE.

RESTRICTING FLOWS LOWER THAN
THIS INTRODUCES A SIGNIFICANT
BLOCKAGE AND FLOOD RISK ON THE
DRAINAGE SYSTEM.

KIRKLEES FLOOD RISK AND
DRAINAGE MANAGEMENT TEAM TO
CONFIRM ACCEPTANCE PRIOR TO
CONSTRUCTION.

FOUL PACKAGE PUMP TO BE
INSTALLED DUE TO ANTICIPATED
LEVEL DIFFERENCE OF THE NEW
DWELLINGS AND PUBLIC SEWER
WITHIN LADY HOUSE LANE. FOUL
PUMP TO BE AT LEAST 7m FROM ANY
DWELLING.

EXACT LEVELS TO BE CONFIRMED
PRIOR TO CONSTRUCTION.

YORKSHIRE WATER PRE-PLANNING
ENQUIRY HAS BEEN SUBMITTED BUT
A RESPONSE HAS NOT YET BEEN
RECEIVED. ENQUIRY TO CONFIRM
EXISTING PUBLIC SEWER CAPACITY
AND ALLOWABLE FOUL PUMP RATE.

FOUL PACKAGE PUMP TO BE
INSTALLED AS PER MANUFACTURERS
GUIDANCE.

FOUL RISING MAIN TO DISCHARGE TO
YORKSHIRE WATER SEWER LOCATED
WITHIN LADY HOUSE LANE.

ADDITIONAL CHAMBER MAY BE
REQUIRED ON SITE PRIOR TO
DISCHARGE TO ACHIEVE A GRAVITY
CONNECTION TO THE PUBLIC SEWER.

FINISHED FLOOR LEVELS TO BE
RAISED 150mm ABOVE EXISTING
GROUND LEVELS AND THRESHOLD
DRAINS TO BE INSTALLED PROVIDE
ADDITIONAL PROTECTION FROM ANY
OVER LAND FLOWS.

ALL LEVELS ON SITE ARE INDICATIVE
FOR PLANNING PURPOSES.
TOPOGRAPHIC SURVEY &
CONFIRMED FINISHED FLOOR
LEVELS REQUIRED PRIOR TO A
DETAILED DESIGN FOR
CONSTRUCTION.

EXISTING 10 INCH CAST IRON WATER
MAIN PASSES THROUGH FRONTAGE
OF SITE. 3m EASEMENT TO BE GIVEN
EITHER SITE OF WATER MAIN.

WATER MAIN LOCATION & DEPTH TO
BE SURVEYED PRIOR TO
CONSTRUCTION.

- Notes-**
- This drawing is copyright and must not be copied in part or in whole unless agreed with Avie Consulting Ltd
- All dimensions are in millimetres unless noted otherwise
- DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK
1. All dimensions & levels to be checked by the contractor prior to commencement of work, any discrepancy shall be reported immediately to Avie Consulting Ltd
 2. All work shall be carried out in accordance with Local Authority, statutory authority, health & safety requirements and regulations.
 3. The drawings shall be read in accordance with all other contract documents relevant at that time of issue and during the period of the contract.
 4. The contractor must ensure the overall stability of the works is adequate at all stages of the construction.
 5. No allowance has been made for cutouts, holes, notches, etc. for services. All of these are to be agreed prior to the start of the works.
 6. Any existing live services will require identifying and diverting to accommodate proposed works.

- DRAINAGE KEY:**
- XXX.XXX GROUND FLOOR LEVEL
 - SITE BOUNDARY
 - PROPOSED SURFACE WATER DRAIN
MINI ACCESS CHAMBER/PPIC
 - PROPOSED FOUL WATER DRAIN
MINI ACCESS CHAMBER/PPIC
 - PROPOSED CONVEYANCE SWALE
 - EXISTING DRAIN
 - EXISTING YORKSHIRE WATER MAIN
& 3m EASEMENT
 - EXISTING WATERCOURSE
 - RE — RODDING EYE
 - DRAINAGE CHANNEL
 - TRAPPED POLYPROPYLENE SURFACE
WATER GULLY (CONNECTION PIPE 1100)

FOR PLANNING

P01	Initial issue		S.T.P.	T.C.	28.07.2026
Rev	Details		By	Chk	Date
6 Killingbeck Court, Killingbeck Office Village, Killingbeck Drive, Leeds LS14 6FD. Tel: 0113 249 7416 www.avie-consulting.co.uk					
Client: Acumen Architects					
Project: Residential Development at Land off Lady House Lane, Huddersfield, HD4 7QE					
Title: Proposed Drainage Strategy					
Drawn: S.T.P.	Checked: T.C.	Date: July 2026	Scale: 1:200	Original dwg size A1	
Drawing Number: P5018-AVE-XX-XX-DR-C-0001					Rev: P01