



SHOWN SLUDGE MAIN ROUTE & INVERT LEVELS HAVE BEEN BASED ON AS-BUILT 'UNITED UTILITIES PLC MERSEY VALLEY SLUDGE PIPELINE - AMP4' SERIES OF DRAWINGS. THE SLUDGE MAIN SHOULD BE INVESTIGATED ITS ENTIRETY TO CONFIRM LOCATION, SIZE, IL & CL PRIOR TO DETAILED DESIGN. PROPOSED DRAINAGE STRATEGY LEVELS ARE CRITICAL TO THIS INFORMATION.



Circumstance	Percentage (%)
If someone is attacking you	85
If someone is threatening you	75
If someone is harassing you	65
If someone is insulting you	55
If someone is annoying you	45



1

10

11

D	Plan updated to suit latest layout.	22/10/24	LJ
---	-------------------------------------	----------	----

C	Plan updated to suit latest layout.	01/08/24	LJ
B	3m easement either side of sludge main added to plan.	03/07/24	LJ
A	Manholes & sewers in close proximity to sludge main have been moved.	06/06/24	LJ
-	First issue	17/04/24	LJ

Rev.	Description	Date	By
Drawing Status			
PLANNING			
Please note while these drawings may be used for tender purposes, drawings are subject to the			

United Utilities approval as part of ongoing consultations and design checks. Amendments may therefore be requested.	
Client	

Project	Papermills, Bury, Lancashire
Title	Sludge Main - Longitudinal Section

Sludge Main - Longitudinal Section

Sheet 1 of 2



STEAM
WPS


BANNERS GATE
CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES
10.44 Birmingham Street, Underpass, West Midlands, B61 3HN

Tel: 0121 687 1500 Fax: 0121 687 1501 E-mail: mail@bannersgate.com	
Scale A1 @ 1:500	Drawn LB
Date April 2024	Checked LJ
File 20240401 - 0121 687 1500	Drawing 20240401 - 0121 687 1500

22166 / drawings/civils/current 22166 / PL231-D