

Preston & South Ribble FRMS

Outfall Review

	Information provided by LCC
	Drone footage procured by EA
	Site walkover survey by Jacobs
	Datasource summary comparison

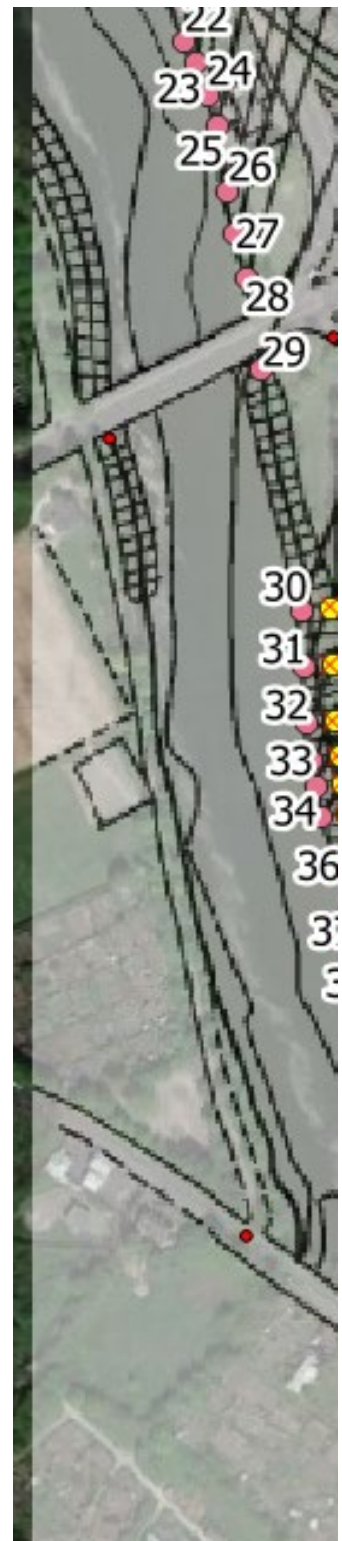
1993 information					
Outfall	Ownership	Estimated location	dim	flap	invert
[see PCC plan]					
22	LCC or British Rail	~Sea Cadets	150	N	
23	Sea Scouts	~Sea Cadets	450	Y*	
24	Sea Scouts	~Sea Cadets	150	Y	
25	Sea Scouts	~Sea Cadets	150	Y	
26	Preston BC	~Sea Cadets	75/100	N	
27	Preston BC	~Sea Cadets	75/100	N	
28	Preston BC	~Sea Cadets	75/100	N	
29	NWW (UU)	Penworthan New Br	1230	Y	2.48
30	LCC Highways	Bird St (d/s)	100	Y	
31	LCC Highways	Bird St (u/s)	100	Y	
32	LCC Highways	River Parade	100	?	
33	Riparian	River Parade / Winkley Rd	450	Y	2.97
34	LCC Highways	Winkley Rd (d/s)	100	Y	
35	LCC Highways	Winkley Rd (u/s)	100	Y	
36	LCC Highways	Winkley / Ardee	100	Y	
37	LCC Highways	Ardee (d/s)	100	Y	
38	LCC Highways	Ardee	100	Y	
39	LCC Highways	Ardee / Meath (d/s)	100	Y	
40	LCC Highways	Ardee / Meath (u/s)	100	Y	
41	LCC Highways	Meath	100	Y	
42	LCC Highways	Balderstone	100	Y	
43	LCC Highways	Balderstone / Maresfield	100	Y	
44	LCC Highways	Maresfield	100	Y	
45	LCC Highways	Maresfield / Kimberley	100	Y	
46	LCC Highways	Kimberley	100	Y	
47	NWW (UU)	Wolseley	300	Y	
48	Riparian	Continental	300 x 500	Y	
49	Preston BC	Miller Park	~75	N	

		2008 survey (PCC)
Description	Condition	
		Recorded
SW or track drainage	old	x
car par drainage	ok	x
car par drainage	ok	x
car par drainage	ok	x
land drain / weep hole		x
land drain / weep hole		x
land drain / weep hole		x
combined sewer over	ok	x
highway drain outfall		y
highway drain outfall		y
highway drain outfall	unable to locate	y
culverted watercourse	ok	y
highway drain outfall	ok	y
highway drain outfall	ok	y
highway drain outfall	partially silted	y
highway drain outfall	ok	y
highway drain outfall	ok	y
highway drain outfall	stone pitching needs repairing	x
highway drain outfall	ground mvt due to tree roots	x
highway drain outfall	partially buried	x
highway drain outfall	ok	x
highway drain outfall	apron eroded	x
highway drain outfall	obstructed by silt & debris	x
highway drain outfall	obstructed by silt & debris	x
highway drain outfall	flap broken	x
combined sewer over	ok	x
culverted watercourse (225mm GVC - rect stone through river wall		x
land drain in Miller Park		x

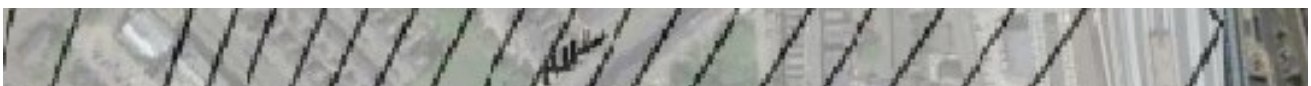
drone ref	outfall report ref	drawing ref	flap
19:40	1_1		N
19:44	1_2		Y
19:58	1_3		Y
20:35	1_4		Y
20:43	1_5		N
21:02	1_6		N
21:30	1_7	ZZ..41A..0001	Y
24:06	1_8	ZZ..41A..0001	Y
24:45	1_9	ZZ..41A..0002	Y
27:15	1_10	ZZ..41B..0001	??
31:12		-	Y
32:05	1_11	-	Y

	2021 site visit note
notes	Grid Ref
No flood defence works in this Area.	SD5277629023
No flood defence works in this Area.	SD5278229011
only 2no outfalls found @ Sea Cadets	SD5278828994
No flood defence works in this Area.	SD5279328977
No flood defence works in this Area.	SD5279928942
No flood defence works in this Area. Looks bigger than 100	SD5280328919
No flood defence works in this Area.	SD5280828895
	SD5281728845
no sign of outfall on drone footage	SD5283828714
no sign of outfall on drone footage	SD5284028684
no sign of outfall on drone footage	SD5284128653
now plotted in different location	SD5284428633
no sign of outfall on drone footage	SD5284528619
no sign of outfall on drone footage	SD5284928603
outfall & flap visible	SD5285828576
no sign of outfall on drone footage	SD5286628541
no sign of outfall on drone footage	SD5287328523
no sign of outfall on drone footage	SD5288128503
no sign of outfall on drone footage	SD5288428495
no sign of outfall on drone footage	SD5289528473
no sign of outfall on drone footage	SD5290728446
no sign of outfall on drone footage	SD5291828428
no sign of outfall on drone footage	SD5293128402
no sign of outfall on drone footage	SD5294428381
no sign of outfall on drone footage	SD5296328361
obscured by screen	SD5310328276
Missed on previous reviews. Red discharge on drone	SD5348728415
No flood defence works in this Area.	





Outfall Coordinate		Grid Ref	Path Coordinate		Observed?
Easting	Northing		Easting	Northing	
352776	429023				N
352782	429011				Y
352788	428994				Y
352793	428977				Y
352799	428942				Y
352803	428919				N
352808	428895				?
352817	428845				Y
352838	428714	SD5285428716	352854	428716	N
352840	428684	SD5285428685	352854	428685	N
352841	428653	SD5285528654	352855	428654	N
352844	428633	SD5285828635	352858	428635	Y
352845	428619	SD5286028621	352860	428621	N
352849	428603	SD5286228604	352862	428604	N*
352858	428576	SD5286828579	352868	428579	Y
352866	428541	SD5288028545	352880	428545	N
352873	428523	SD5288628527	352886	428527	N*
352881	428503	SD5289328507	352893	428507	N
352884	428495	SD5289628499	352896	428499	N
352895	428473	SD5290728478	352907	428478	N
352907	428446	SD5292028453	352920	428453	Y
352918	428428	SD5292928432	352929	428432	N
352931	428402	SD5294328409	352943	428409	N
352944	428381	SD5295928389	352959	428389	N
352963	428361	SD5297928370	352979	428370	N*
353103	428276	SD5310928285	353109	428285	Y
353487	428415	SD5348128419	353481	428419	Y





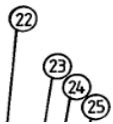
Location notes (for photos)	gully?	flap?
at base of ramp	-	?
midway up ramp	-	N
Sea Cadets, downstream	-	Y
Sea Cadets, mid	-	Y
Sea Cadets, upstream	-	Y
access & visibilty limited, to confirm location or presence	-	?
access & visibilty limited, to confirm location or presence	-	N*
upstream of bridge	N	Y
Oak (left), removal van	Y	-
tree & scaffolding	Y	-
big tree	Y	-
small tree, white bay windows	Y	-
small tree, bay windows	Y	-
2 trees	Y	-
mid terrace, bus stop	Y	Y
2 trees	Y	-
tree (left) & road behind	Y	-
2 trees, white van, lamp post	Y	-
2 trees, white van, lamp post	Y	-
big tree u/s	Y	-
between tree & lamp, and 3 trees	Y	Y?
central of 3 trees	Y	-
2 trees	Y	-
single tree	Y	-
bus stop	Y	-

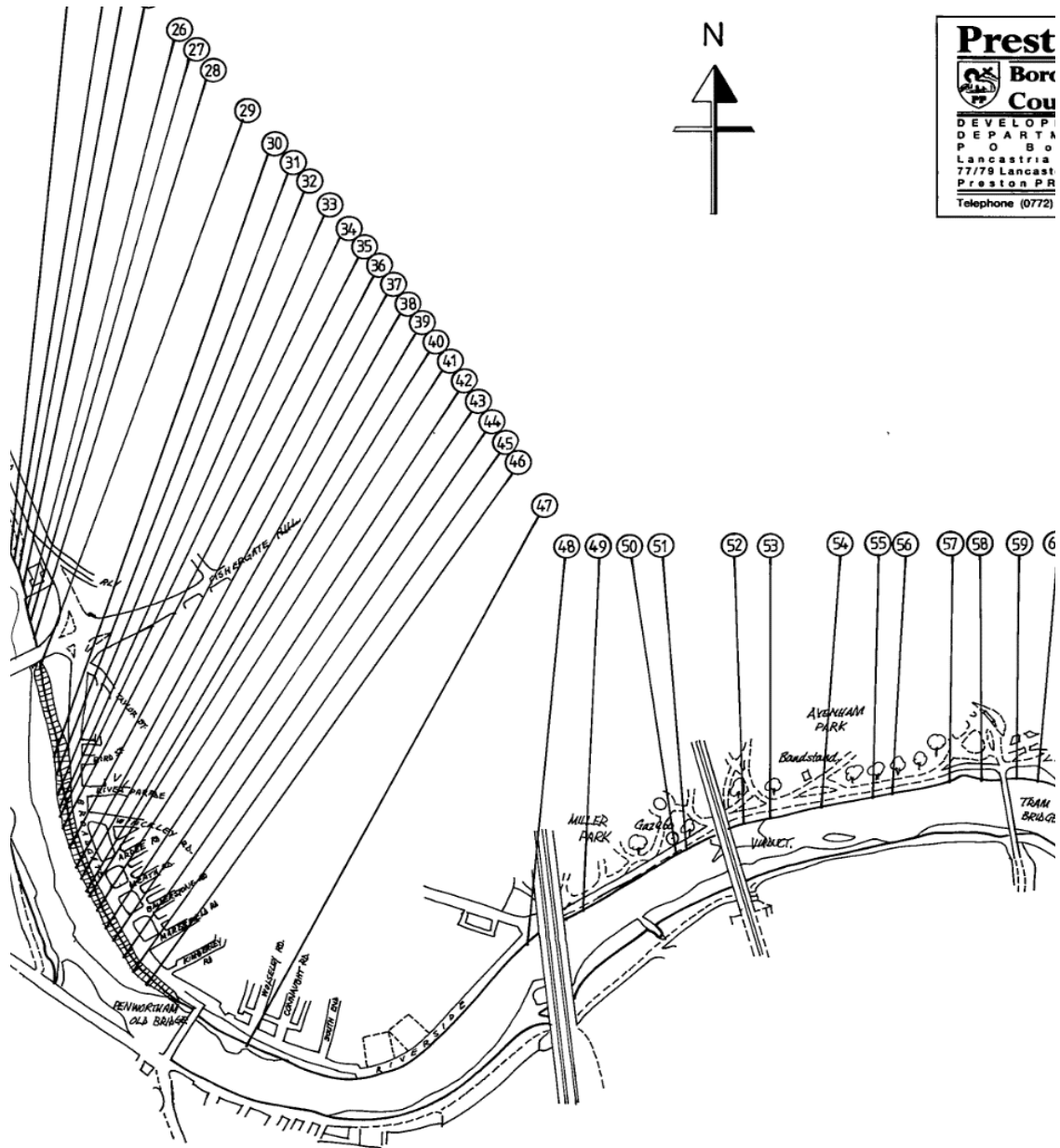
	Notes
	overgrown.
	Large diameter, unflapped. There is another small dia O/F at top
	flap valve present
	flap valve present
	flap valve present
	overgrown. From drone, there is at least 1 O/F present
	possible o/f or just hole in wall (no flap)
	large o/f with flap
	no sign
	no sign
	no sign
	Outfall now overgrown. Disturbed vegetation & sign of run-off.
	no sign
	possible gap in vegetation, but no sign
	possibly offset from expected location (~2m d/s)
	no sign
	possible gap in vegetation, but no sign
	no sign
	no sign
	no sign
NEW	only visible from bank
	no sign
	no sign
	no sign
	possible gap in vegetation, but no sign
	NOT SURVEYED BUT VISIBLE ON DRONE
NEW	NOT SURVEYED BUT VISIBLE ON DRONE

Comparison	1993 PCC	2008 survey	2020 Drone	2021 Drone review
Outfall				
<i>[see PCC plan]</i>				
22	Y	-	Y	Y
23	Y	-	Y	Y
24	Y	-	?	?
25	Y	-	Y	Y
26	Y	-	Y	Y
27	Y	-	Y	Y
28	Y	-	Y	Y
29	Y	-	Y	Y
30	Y	N	N	N
31	Y	N	N	N
32	Y	N	N	N
33	Y	Y	Y	Y
34	Y	Y	N	N
35	Y	Y*	N	N
36	Y	N	Y	Y
37	Y	Y	N	N
38	Y	N	N	N
39	Y	N*	N	N
40	Y	-	N	N
41	Y	-	N	N
42	Y	-	N	N
43	Y	-	N	N
44	Y	-	N	N
45	Y	-	N	N
46	Y	-	N	N
47	Y	-	Y	Y
48	Y	-	N	Y
49	Y	-	Y	Y

2021 Walkover
N
Y
Y
Y
Y
N
?
Y
N
N
N
Y
N
N*
Y
N
N*
N
N
N
Y
N
N
N
N*
Y
Y
0
0

Notes
estimated location of drain outfall. Not possible to confirm during recent surveys or site visits
estimated locatio of outfall, large diamter, without outfall
estimated location of drain outfall (150mm dia) and flapvalve
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estimated location of drain outfall and flapvalve
estimated location of drain outfall. Not possible to confirm during recent surveys or site visits
estimated location of drain outfall. Not possible to confirm during recent surveys or site visits
United Utilities outfall (1230 dia) with flapvalve [need to check what is already on the drawing]
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
United Utilities outfall / culverted watercourse [need to check what is already on the drawing]
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
estimated location of highway drain outfall (100mm dia) - differs from location shown on United Utilities data
estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
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estimated location of highway drain outfall (100mm dia). Not visible during recent surveys or site visits
United Utilities outfall (1230 dia) with flapvalve [need to check what is already on the drawing]
Culverted watercourse outfall with flapvalve [need to check what is already on the drawing]





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 er Road
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Job title
RIVER RIBBLE OUTFALLS

Drwg. title
**FROM NORTHERN BANK WITHIN
 NORMAL TIDAL LIMITS**

Johh B Field, Dip Arch, Dip T P, A.R.I.B.A, M.R.T.P.I
 Director of Development

Section SEWERAGE	
Scale 1 5000	
Date APRIL 1993	
Drawn by IBS / AW	
Ref No	
Drwg. No	Rev
10/03	

