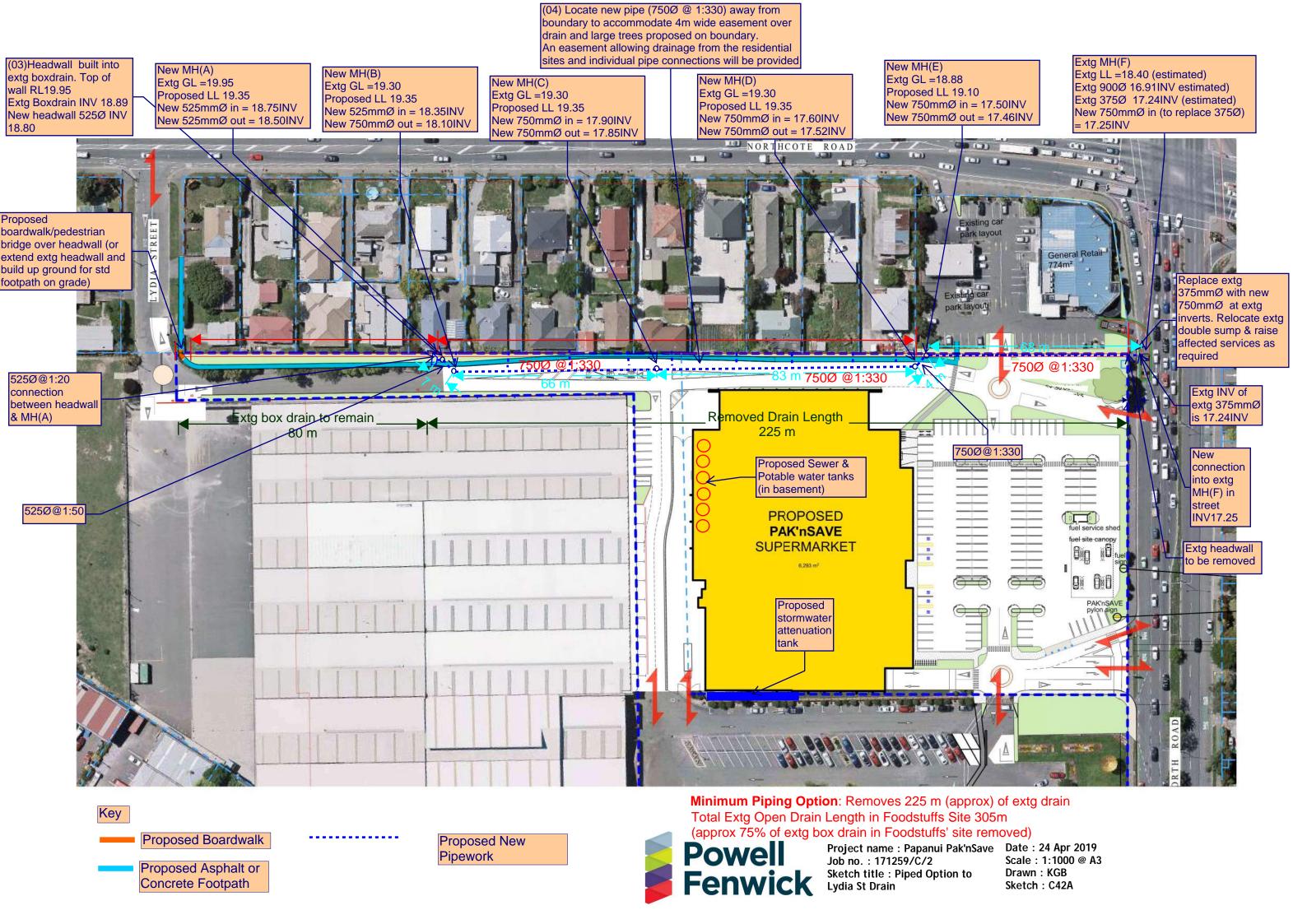
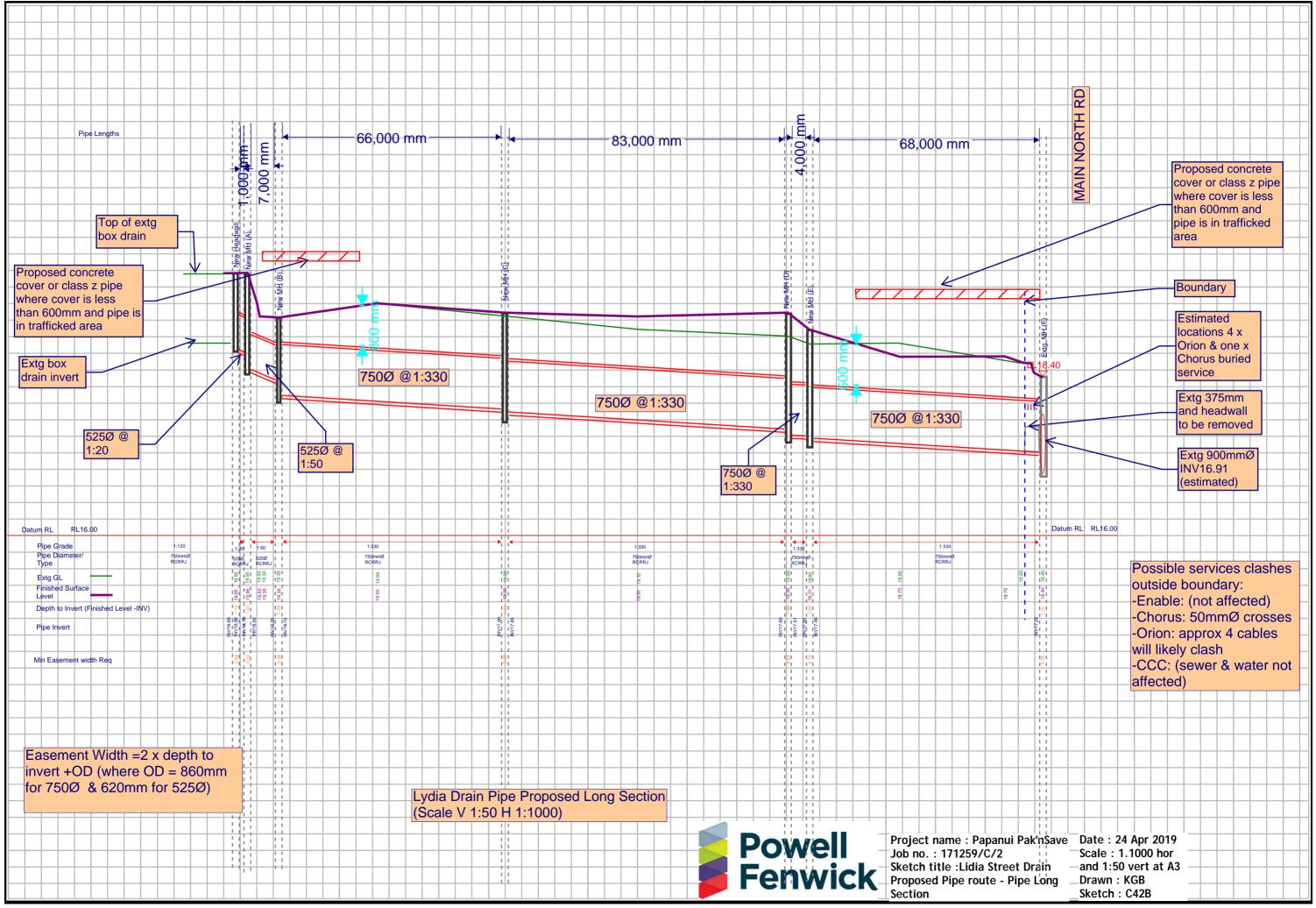
Appendix S

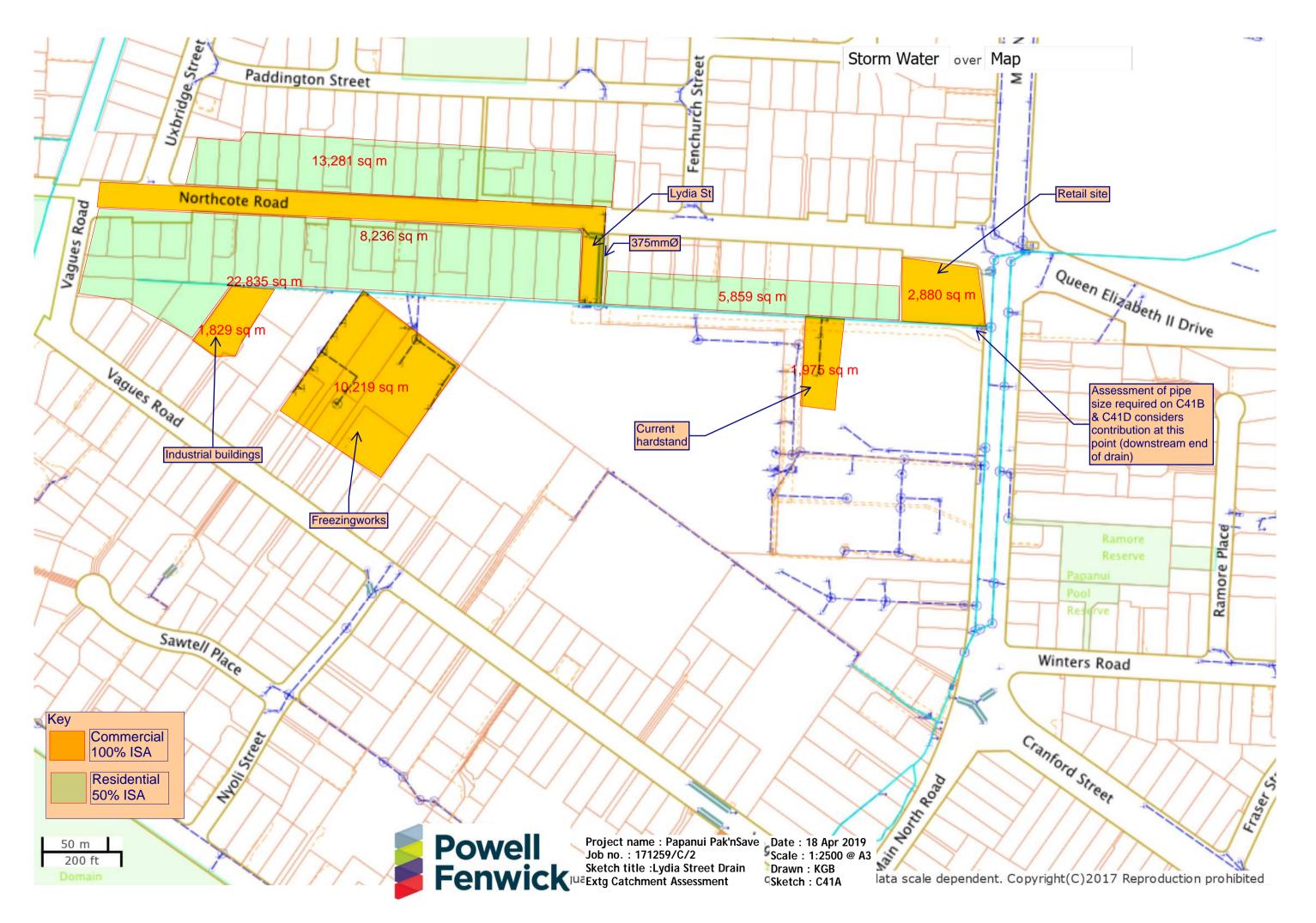
Lydia Street Drain Piping and Easement Plan



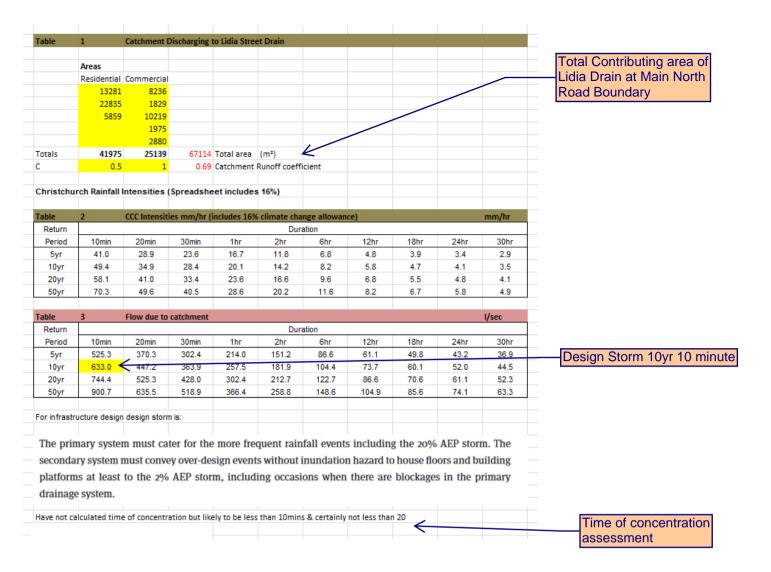


CCC Utility Drainage Plans

https://maps.ccc.govt.nz/Utilities/



1 of 1 25/09/2018, 1:44 PM



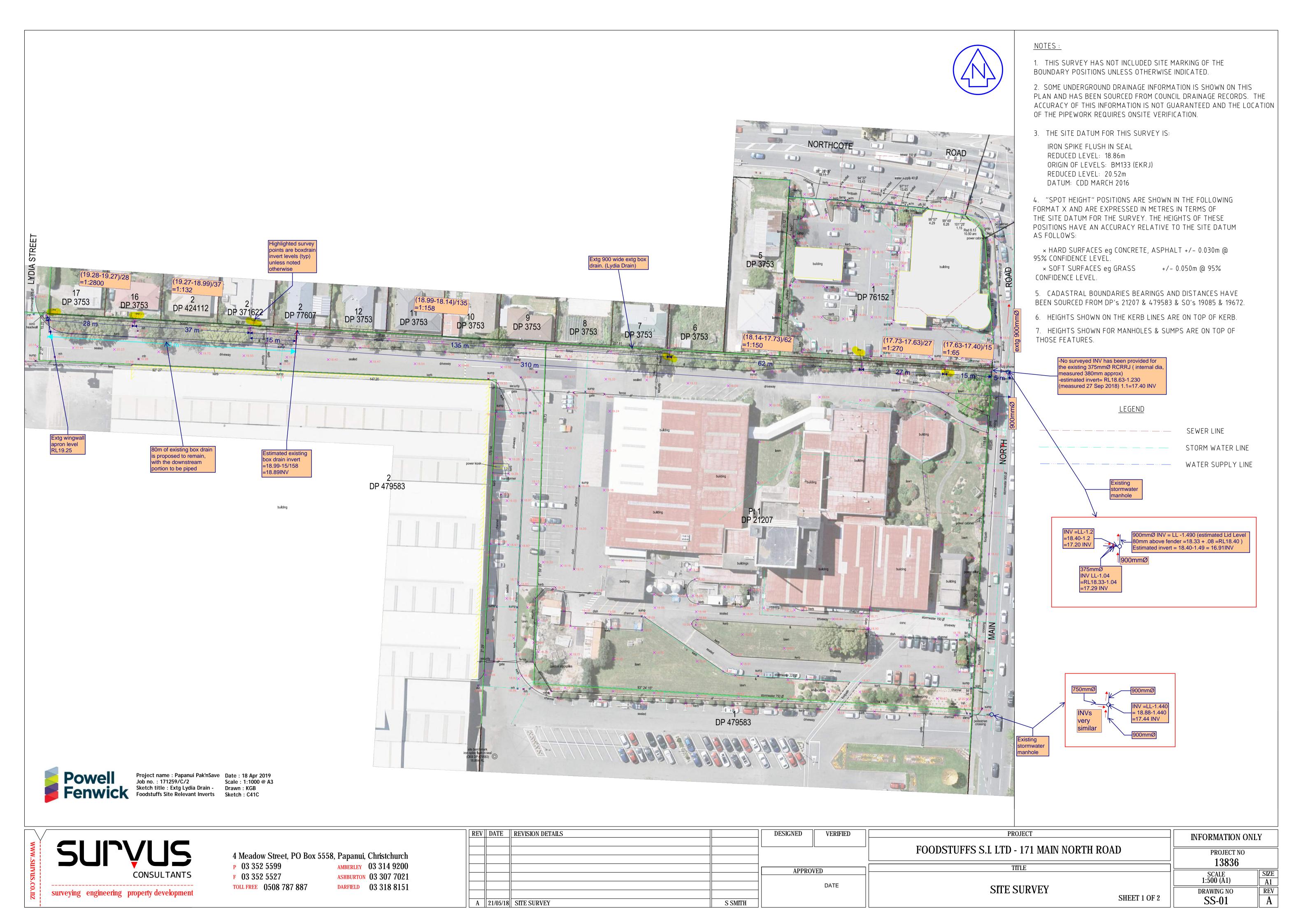


Project name: Papanui Pak'nSave Date: 18 Apr 2019 Job no.: 171259/C/2

Sketch title: Lidia Street Drain Demand on new pipeline

Scale: NA@A3 Drawn: KGB

Sketch: C41B



					e slope 1:				Pipe
				Pipe o	diameter =	762 <			Grade
					n =	0.013			Internal
					s =	0.003			Internal Diameter
									Pipe
Alpha	Water	Wetted	Segment	Triangle	Wetted	R	V	· Q	ı ipo
	Depth	Perimeter	Area	Area	Area		m/s	l/s	Congrete
									Concrete
									Coefficient
5	1	66	12668	12603	64	1	0.04	0.0	Comoion
10	6	133	25335	24824	511	4	0.10	0.1	
15	13	199	38003	36290	1713	9	0.18	0.3	
20	23	266	50671	46654	4017	15	0.26	1.0	
25	36	332	63338	55600	7739	23	0.35	2.7	
30	51	399	76006	62857	13150	33	0.44	5.7	
35	69	465	88674	68203	20470	44	0.53	10.8	
40	89	532	101341	71478	29864	56	0.62	18.5	
45	112	598	114009	72581	41429	69	0.71	29.6	
50	136	665	126677	71478	55199	83	0.81	44.5	-
55	162	731	139345	68203	71141	97	0.90	63.7	
60	191	798	152012	62857	89156	112	0.98	87.6	
65	220	864	164680	55600	109080	126	1.07	116.2	
70	251	931	177348	46654	130694	140	1.14	149.5	
75	282	997	190015	36290	153725	154	1.22	187.1	
80	315	1064	202683	24824	177859	167	1.28	228.5	
85	348	1130	215351	12603	202747	179	1.35	273.0	
90	381	1197	228018	0	228018	191	1.40	319.7	
95	414	1263	240686	-12603	253290	200	1.45	367.4	
100	447	1330	253354	-24824	278178	209	1.49	415.1	
105	480	1396	266021	-36290	302312	216	1.53	461.5	
110	511	1463	278689	-46654	325343	222	1.55	505.7	
115	542	1529	291357	-55600	346957	227	1.58	546.5	
120	572	1596	304024	-62857	366881	230	1.59	583.0	
125	600	1662	316692	-68203	384896	232	1.60	614.5	
130	626	1729	329360	-71478	400838	232	1.60	640.6	
135	650	1795	342028	-72581	414608	231	1.59	660.8	
140	673	1862	354695	-71478	426173	229	1.58	675.3	
									Max Capacity (L/se
145 150	693 711	1928	367363	-68203 -62857	435566	226	1.57	684.1 687.6	
		1995	380031		442887	222	1.55	686.5	-
155	726	2061	392698	-55600	448298	217	1.53		-
160 165	739	2128	405366	-46654	452020	212	1.51	681.4	-
	749	2194	418034	-36290	454324	207	1.48	673.3	-
170	756	2261	430701	-24824	455525	201	1.46	662.9	Pipe Full Capacity
175	761	2327	443369	-12603	455973	196	1.43	651.3	(L/sec)
180	762	2394	456037	0	456037	191	1.40	639.3	, , ,
						goal seek	G3		-
						Grade	330		

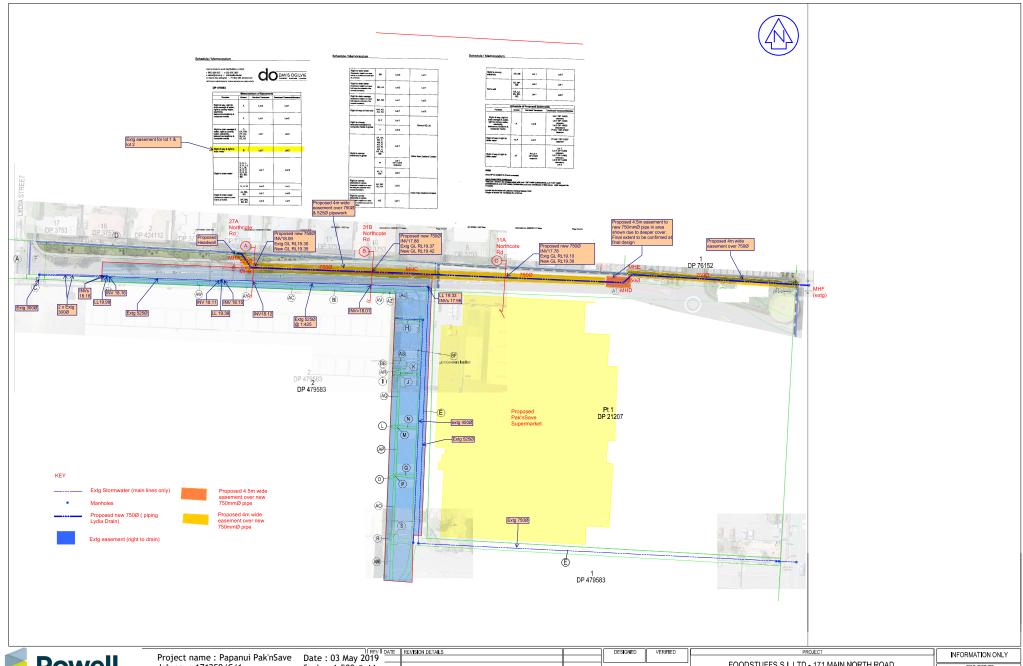
-Flow capacity required 633 L/sec-Capacity achieved (pipe full) 639L/sec-Achieved > Required so OK



Project name : Papanui Pak'nSave Job no. : 171259/C/2

Sketch title :Lidia Street Drain Proposed New pipe capacity

Date: 18 Apr 2019 Scale: NA @ A3 Drawn: KGB Sketch: C41D





Project name : Papanui Pak'nSave
Job no. : 171259/C/1
Sketch title : Proposed Drainage
Easement over new 750Ø

Pak'nSave
stc C3 May
14Drawn : KGB
150Sketch : C45A

Sketch : C45A

I I REVII	DATE	REVISION DETAILS		
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A	28/05/18	EASEMENTS	S SMITH	

FOODSTUFFS S.I. LTD - 171 MAIN NORTH ROAD

DATE

PROJECT NO 13836 SCALE 1:500 (A1) SUBJECT EASEMENTS DRAWING NO SS-01 SHEET 2 OF 2

