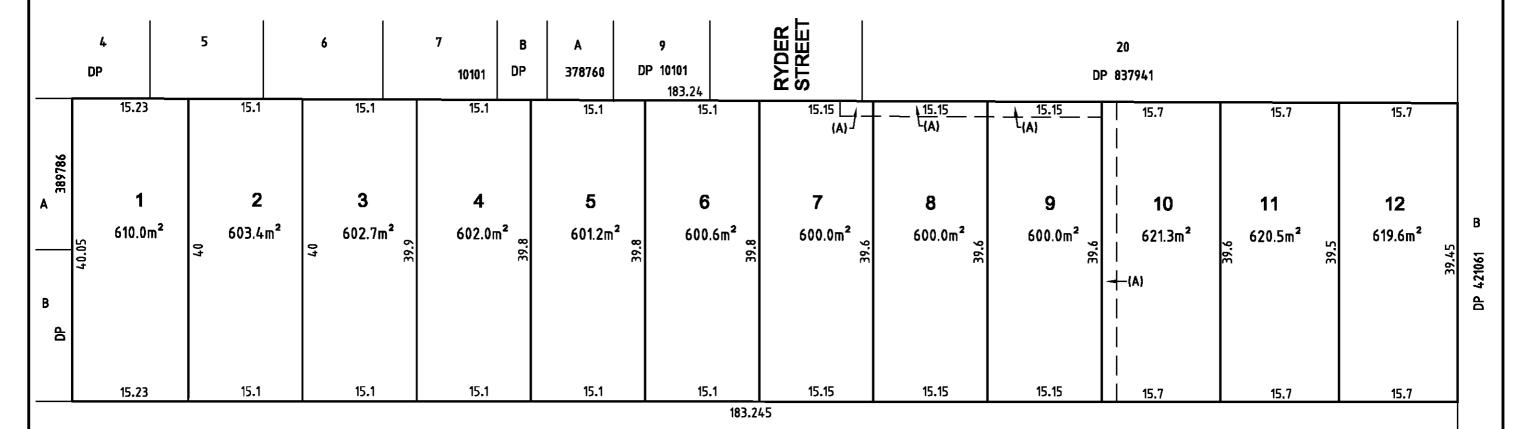
FINAL DIMENSIONS AND AREAS SUBJECT TO SURVEY

CESSNOCK CITY COUNCIL
Approved plans for
Development Consent No. 8/2017/673/1
Date of Approval: 02/05/2018
General Manager Per: mh





GARLAND

ANSTEY

STREET

ALPINE AVENUE

-(A) PROPOSED EASEMENT TO DRAIN WATER 2.0 WIDE

(A) PROPOSED EASEMENT TO DRAIN WATER 3.0M WIDE

LAYOUT AMENDED	9.04.18
EASEMENT AMENDED	16.03.18
EASEMENT AMENDED	6.02.18
LAYOUT AMENDED	31.01.18
LAYOUT AMENDED	4.10.17
LAYOUT AMENDED	4.10.17
ISSUED TO CLIENT	3.10.17
REMARKS	DATE
AMENDMENTS	
	EASEMENT AMENDED EASEMENT AMENDED LAYOUT AMENDED LAYOUT AMENDED LAYOUT AMENDED ISSUED TO CLIENT REMARKS

CLIENT:

RESICORP PROPERTY
GROUP PTY LTD
C/- EQUITI
LEVEL 2, 85 GEORGE STREET
PARRAMATTA
NSW 2150

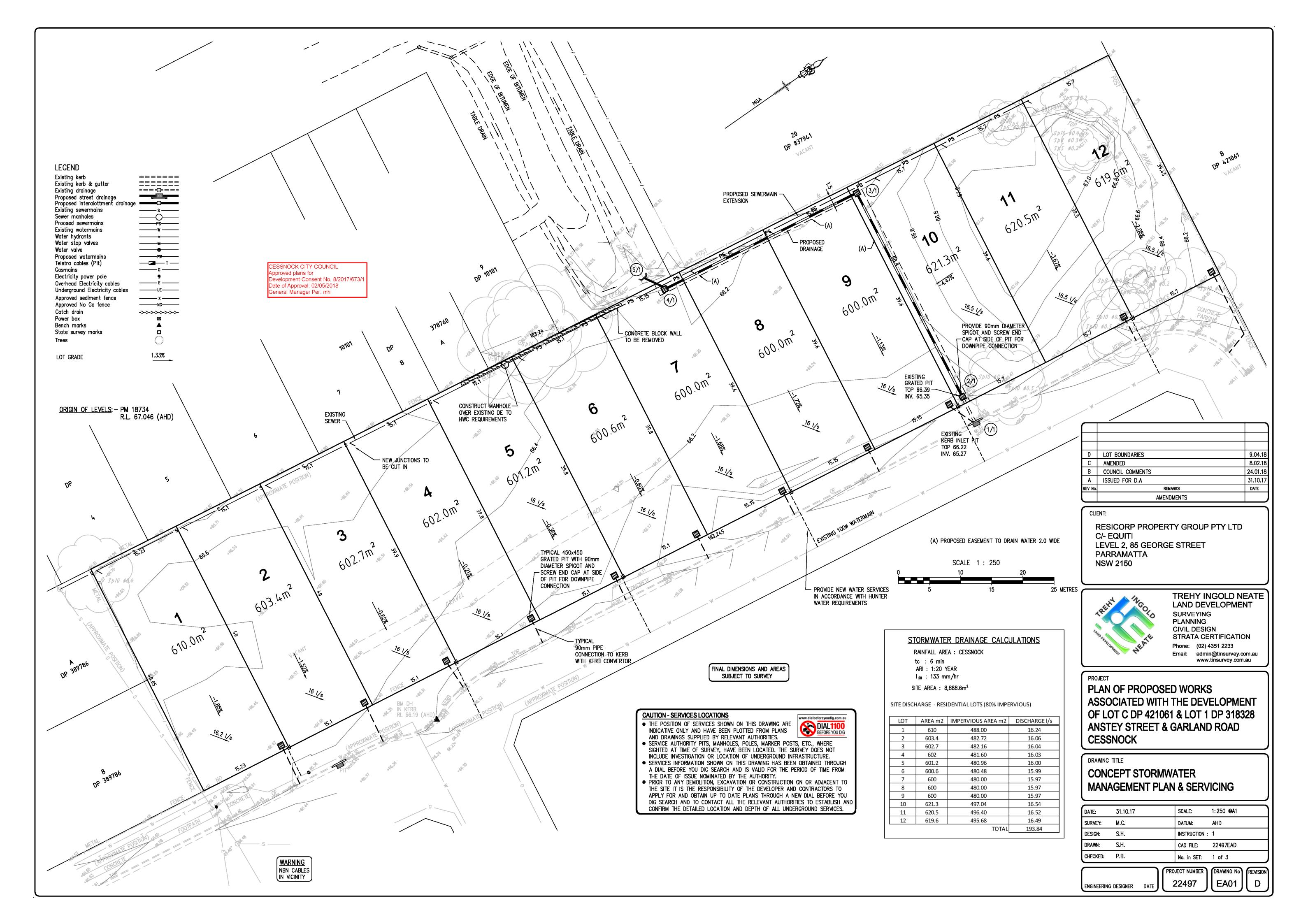


DRAWING TITLE

PLAN OF PROPOSED SUBDIVISION OVER LOT C DP 421061 & LOT 1 DP 318328 ANSTEY STREET & GARLAND ROAD CESSNOCK

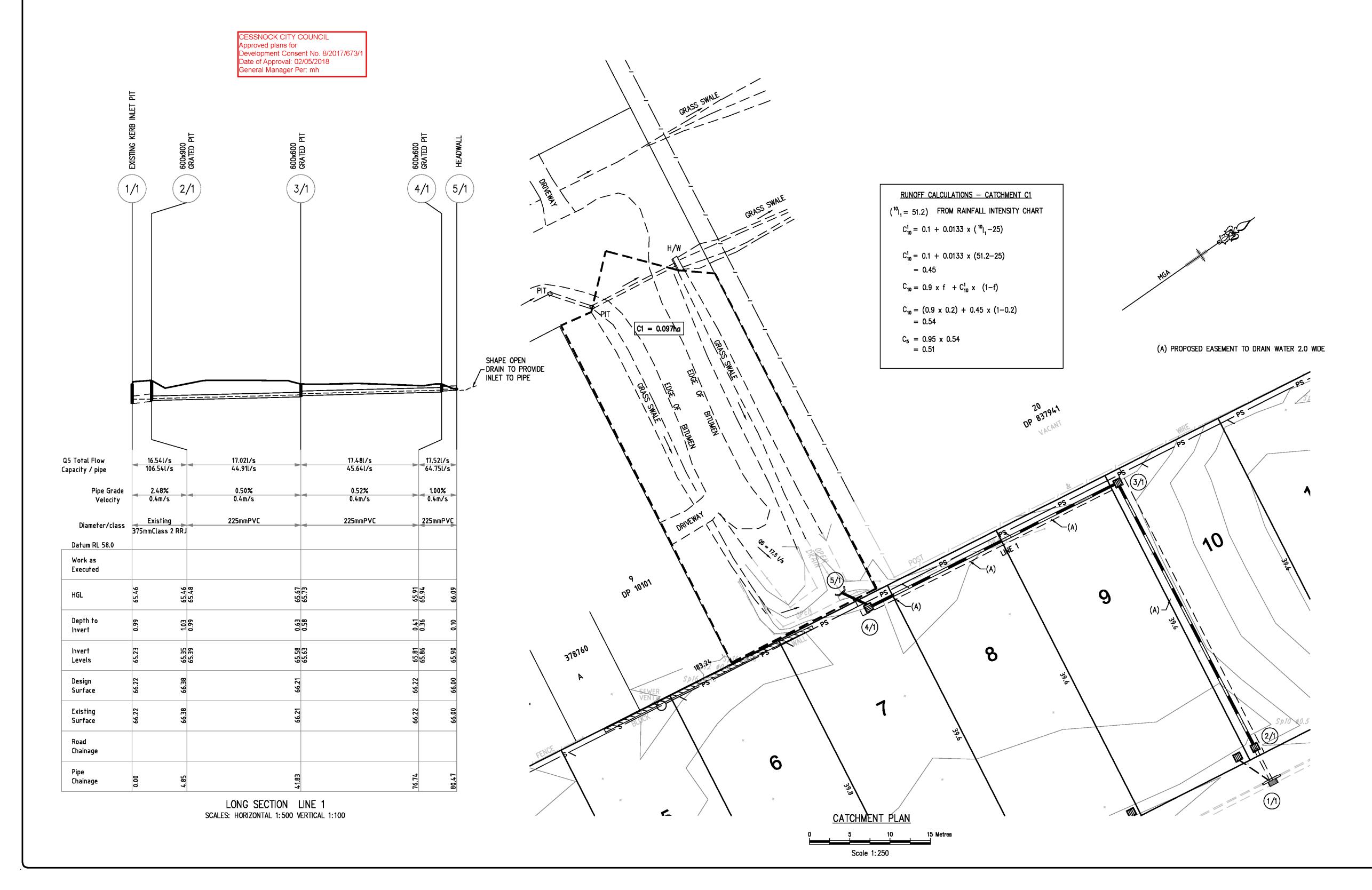
DATE:	2.10.17	SCALE:	1:500 G A3
SURVEY:	-	DATUM:	_
F.BOOK:	COMP	INSTRUCTION:	5
DRAWN:	C.A.	CAD FILE:	22497PSG
CHECKED:	K.H.	No. in SET:	1 of 1

REGISTERED SURVEYOR DATE PROJECT NUMBER DRAWING NO PSA01



	HGL Report - Drainage-1 Return Period: 5yrs Location: CESSNOCK																								
Pipe Connecting Pits (Downstream Upstream)	Pipe ID	Pipe Class	Pipe Diameter	Pipe Length	Pipe Design Flow	Mannings n	Pipe Velocity	Pipe Velocity Head	HGL at Downstream Pit	Pipe Friction Slope	Pipe Friction Loss	HGL at Upstream Pit	Pit Loss Coefficient	Pipe Head Loss	Adopted Upstream Water Level	Pit Surcharge Level (Pit Inlet/Outlet Level)	Downstream Pipe Obvert	Upstream Pipe Obvert	Downstream Pipe Invert	Upstream Pipe Invert	Pipe Slope	Pipe Design Flow	Pipe HGL Capacity	Pipe Manning Capacity	Remarks
			(mm)	(m)	(l/s)		(m/s)	(m	(m)	(%)	(m)	(m)	Ku	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(l/s)	(l/s)	(l/s)	
1/1-2/1	4	Class 2 RRJ	375	4.846	16.5	0.013	0.15	0.001	65.605	0.00	0.000	65.605	1.000	0.001	65.606	66.383	65.605	65.725	65.230	65.350	2.476	16.5	388.4	275.9	
2/1-3/1	3	PVC	225	36.983	17.0	0.009	0.43	0.009	65.606	0.00	0.030	65.791	2.199	0.021	65.812	66.206	65.615	65.800	65.390	65.575	0.500	17.0	44.9	45.9	
3/1-4/1	2	PVC	225	36.091	17.5	0.009	0.44	0.010	65.812	0.00	0.031	65.992	1.644	0.016	66.009	66.236	65.855	66.035	65.630	65.810	0.500	17.5	44.9	45.9	
4/1-5/1	1	PVC	225	3.295	17.5	0.009	0.44	0.010	66.009	0.00	0.003	66.042	10.931	0.108	66.150	66.000	66.085	66.118	65.860	65.893	1.000	17.5	64.8	64.9	

Pipe Hydrology – Drainage–1						Rei	turn F	Perio	d: 5yr	's L	ocati	ion: C	ESSN	0CK		
Pipe Connecting Pits (Downstream Upstream)	Pipe ID	Pipe Class	Pipe Diameter	Pipe Length	Pipe Mannings n	Pipe Flow Time	Pipe Design Tc	Pipe Rainfall Intensity	Upstream Pervious Areas	Upstream Impervious Areas	Upstream Single Catchment Areas	Total Upstream Areas	Total Effective Areas	Pipe Flow	Specified Inflow to Pipe	Total Pipe Flow
			(mm)	(m)		(min)	(min)	(mm/hr)	(Ha)	(Ha)	(Ha)	(Ha)	(Ha)	(l/s)	(l/s)	(l/s)
1/1-2/1	4	Class 2 RRJ	375	4.8	0.013	0.06	7.17	93.42	0.074	0.025	0.000	0.098	0.064	16.5		16.5
2/1-3/1	3	PVC	225	37.0	0.009	0.58	6.60	96.16	0.074	0.025	0.000	0.098	0.064	17.0		17.0
3/1-4/1	2	PVC	225	36.1	0.009	0.56	6.04	98.81	0.074	0.025	0.000	0.098	0.064	17.5		17.5
4/1-5/1	1	PVC	225	3.3	0.009	0.04	6.00	99.00	0.000	0.000	0.000	0.098	0.064	17.5		17.5



С	LOT BOUNDARIES	9.04.18
В	AMENDED	8.02.18
Α	ISSUED FOR D.A	31.10.17
REV No.	REMARKS	DATE
	AMENDMENTS	

CLIENT:

RESICORP PROPERTY GROUP PTY LTD C/- EQUITI LEVEL 2, 85 GEORGE STREET PARRAMATTA NSW 2150



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PLANNING
CIVIL DESIGN
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www.tinsurvey.com.au

PROJEC*

PLAN OF PROPOSED WORKS
ASSOCIATED WITH THE DEVELOPMENT
OF LOT C DP 421061 & LOT 1 DP 318328
ANSTEY STREET & GARLAND ROAD
CESSNOCK

DRAWING TITLE

DRAINAGE PLAN, CALCULATIONS & LONG SECTION

DATE:	31.10.17	SCALE:	AS SHOWN@A1
SURVEY:	M.C.	DATUM:	AHD
DESIGN:	S.H.	INSTRUCTION:	1
DRAWN:	S.H.	CAD FILE:	22497EAD
CHECKED:	P.B.	No. in SET:	2 of 3

ENGINEERING DESIGNER DATE

ROJECT NUMBER DRAWING EAO

