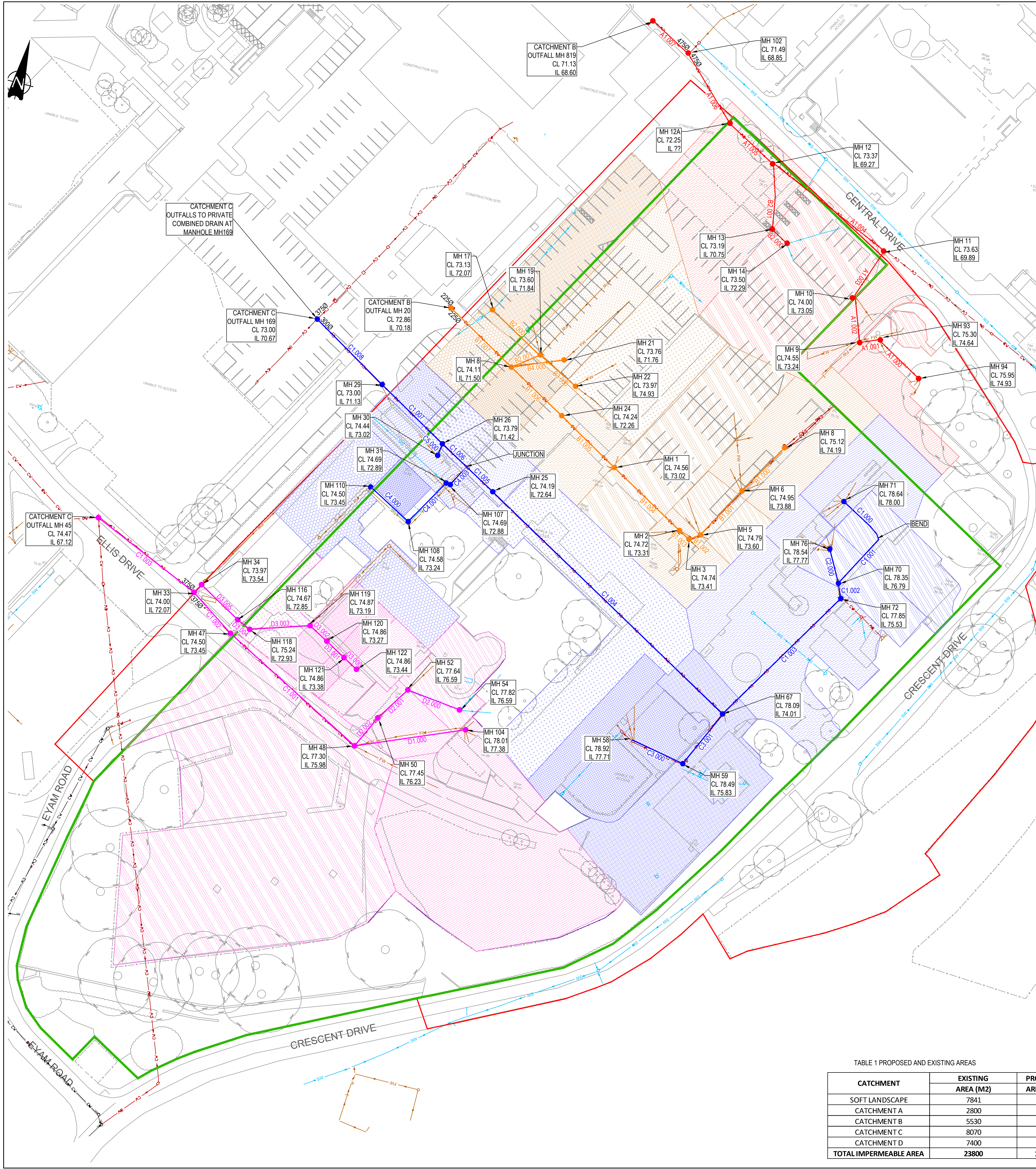




AREA A					
PIPE REF.	AREA	HATCH	LENGTH	DIAMETER	GRADIENT
A1.000	300		13.45	150	46
A1.002	70		4.92	150	4
A1.002	330		11.10	150	58
A1.003	0		13.25	150	4
A1.004	0		34.58	300	64
A2.000	1100		4.98	100	4
A2.001	1000		16.18	225	12
A1.005	0		14.49	375	97
A1.006	0		20.03	450	103
A1.007	0		11.77	450	47
TOTAL	2800				

AREA B					
PIPE REF.	AREA	HATCH	LENGTH	DIAMETER	GRADIENT
B1.000	770		15.02	150	49
B1.001	280		14.91	150	53
B1.002	0		3.05	150	16
B1.003	310		3.31	150	132
B1.004	1010		22.10	225	76
B1.005	460		18.20	225	24
B1.006	270		17.28	225	23
B2.000	720		16.13	225	70
B3.000	810		11.49	150	37
B2.001	0		7.71	225	23
B4.000	640		13.10	225	50
B1.007	260		20.77	225	16
TOTAL	5530				

AREA C					
PIPE REF.	AREA	HATCH	LENGTH	DIAMETER	GRADIENT
C1.000	490		13.01	150	27
C1.001	440		15.70	150	22
C2.000	160		9.26	150	10
C1.002	325		3.65	150	3
C1.003	1410		40.33	150	28
C3.000	865		13.41	150	7
C3.001	1240		16.06	150	9
C1.004	1430		77.85	150	57
C1.005	165		9.47	150	135
C4.000	810		12.81	100	61
C4.001	100		12.97	100	43
C4.002	0		0.92	150	92
C4.003	0		6.04	150	20
C1.006	180		8.05	150	8
C5.000	290		3.25	150	2
C1.007	145		21.06	225	98
C1.008	0		22.49	300	49
TOTAL	8070				

AREA D					
PIPE REF.	AREA	HATCH	LENGTH	DIAMETER	GRADIENT
D1.000	2050		27.580	225	20
D2.000	380		13.730	150	0
D2.001	310		9.310	150	26
D2.002	0		9.650	150	56
D1.001	3760		41.160	225	14
D1.002	0		13.490	225	14
D3.000	260		4.260	150	71
D3.001	145		5.610	150	54
D3.002	255		5.720	150	72
D3.003	0		14.950	150	58
D3.004	225		3.820	150	48
D3.005	0		12.360	150	40
D3.006	0		2.450	150	6
D1.003	0		29.900	225	6
TOTAL	7400				

TABLE 2 PROPOSED AND EXISTING SURFACE WATER DISCHARGE RATES

CATCHMENT	IMPERMEABLE AREA (Ha)	DISCHARGE FLOW RATES (l/s)		
		1-YR EVENT	30-YR EVENT*	100-YR EVENT**
CATCHMENT A	0.280	32	74	89
CATCHMENT B	0.553	62	119	126
CATCHMENT C	0.807	49	61	62
CATCHMENT D	0.740	81	169	174
TOTAL IMPERMEABLE AREA	2.38	224	423	450
*1m SURCHARGED OUTFALL		INCLUDES 50% REDUCTION IN ACCORDANCE WITH MCC REQUIREMENTS		
**1.5m SURCHARGED OUTFALL				
IN ACCORDANCE WITH UU REQUIREMENTS				
PROPOSED	1.71	112	212	225

TABLE 1 PROPOSED AND EXISTING AREAS

CATCHMENT	EXISTING AREA (M2)	PROPOSED AREA (M2)
SOFT LANDSCAPE	7841	-
CATCHMENT A	2800	-
CATCHMENT B	5530	-
CATCHMENT C	8070	-
CATCHMENT D	7400	-
TOTAL IMPERMEABLE AREA	23800	17053

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.

KEY:

— SITE BOUNDARY (INDICATIVE)

— EXISTING PIPEWORK: CATCHMENT A

— EXISTING PIPEWORK: CATCHMENT B

— EXISTING PIPEWORK CATCHMENT C

— EXISTING PIPEWORK CATCHMENT D

— CV — EXISTING PUBLIC COMBINED SEWER

— CV — EXISTING PRIVATE COMBINED DRAINAGE

— SW — EXISTING PRIVATE SURFACE WATER DRAINAGE

— FW — EXISTING PRIVATE FOUL DRAINAGE

DRAWING BASED ON:

UNITED UTILITIES PUBLIC SEWER RECORDS EXTRACT DATED NOVEMBER 2018.

TOPOGRAPHICAL SURVEY 3654_GMMH BY AXIS SURVEYS DATED FEBRUARY 2020.

UNDERGROUND SERVICES SURVEY 208201/001-011 BY SURVEY OPERATIONS DATED MAY 2020.

CCTV SURVEY 000555 BY LAYER SURVEYS OCTOBER 2020

P03	FLOW RESULTS TABLES AMENDED	01/07/22	ATL	MW
P02	PIPE INFORMATION ADDED	15/12/20	ATL	MW
P01	ISSUED FOR INFORMATION	07/12/20	ATL	MW

Rev:	Description:	Date:	By:	Chkd:

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Status:

Project:

Orig Title:

NEW PARK HOUSE

EXISTING DRAINAGE PIPE CATCHMENTS

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	07/12/20	ATL	ATL	MW

Scale: 1:500

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
NMGNPH-CUR-VV-XX-DR-C-C						9203 - P03	