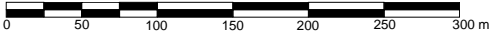


DRAWING SHEET INDEX

E001	- SHEET INDEX AND LOCALITY PLAN
E002	- NOTES - GENERAL AND SITE SPECIFIC
E003	- LUMINAIRE AND COLUMN DETAILS AND QUANTITIES
E010	- SHEET LAYOUT - OVERALL
E020	- MAINTAINED ISOLINES - OVERALL
E021 - E033	- MAINTAINED ISOLINES - LAYOUTS 1 to 13
E040	- INITIAL ISOLINES - OVERALL
E041 - E053	- INITIAL ISOLINES - LAYOUTS 1 to 13
E060	- TYPICAL ELECTRICAL CONNECTION DETAILS
E070	- SAFETY-IN-DESIGN REGISTER

LOCALITY PLAN (SCALE 1:5000 @A3)



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING SHEET INDEX AND LOCALITY PLAN			
SCALE @A3 1:5000 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E001	REVISION A	

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GENERAL NOTES

1.
- THIS SECTION WILL BE FULLY POPULATED DURING THE DETAILED DESIGN STAGE.
2.
- FINAL DETAILED DESIGN WILL CONFIRM THE MEETING OF REQUIREMENTS OF THE CLIENT, THE APPROPRIATE LOCAL COUNCIL, AND THE LOCAL ELECTRICITY NETWORK PROVIDER.

SAFETY IN DESIGN

NORWICH GROUP HAS FOLLOWED ALL PRACTICAL MEASURES TO ENSURE 'SAFETY IN DESIGN' IN ACCORDANCE WITH THE NZ HEALTH AND SAFETY AT WORK ACT 2015

LEGEND - ISOLUX PLOTS

MAINTAINED ISOLUX PLOTS (ILLUMINANCE)			INITIAL ISOLUX PLOTS	
ISOLUX COLOUR	VALUE		ISOLUX COLOUR	VALUE
<div></div>	0.22 lux	PR4 Road Reserve - Minimum Illuminance	<div></div>	2 lux
<div></div>	0.3 lux	PR3 Road Reserve - Minimum Illuminance	<div></div>	10 lux
<div></div>	3.5 lux	PR Specific Areas - Minimum Illuminance		

LEGEND AND INVENTORY - COLUMNS AND LUMINAIRE LOCATIONS

QUANTITY	SYMBOL	DESCRIPTION
110	<div>XX</div>	New Column and Luminaire to be established - Roads

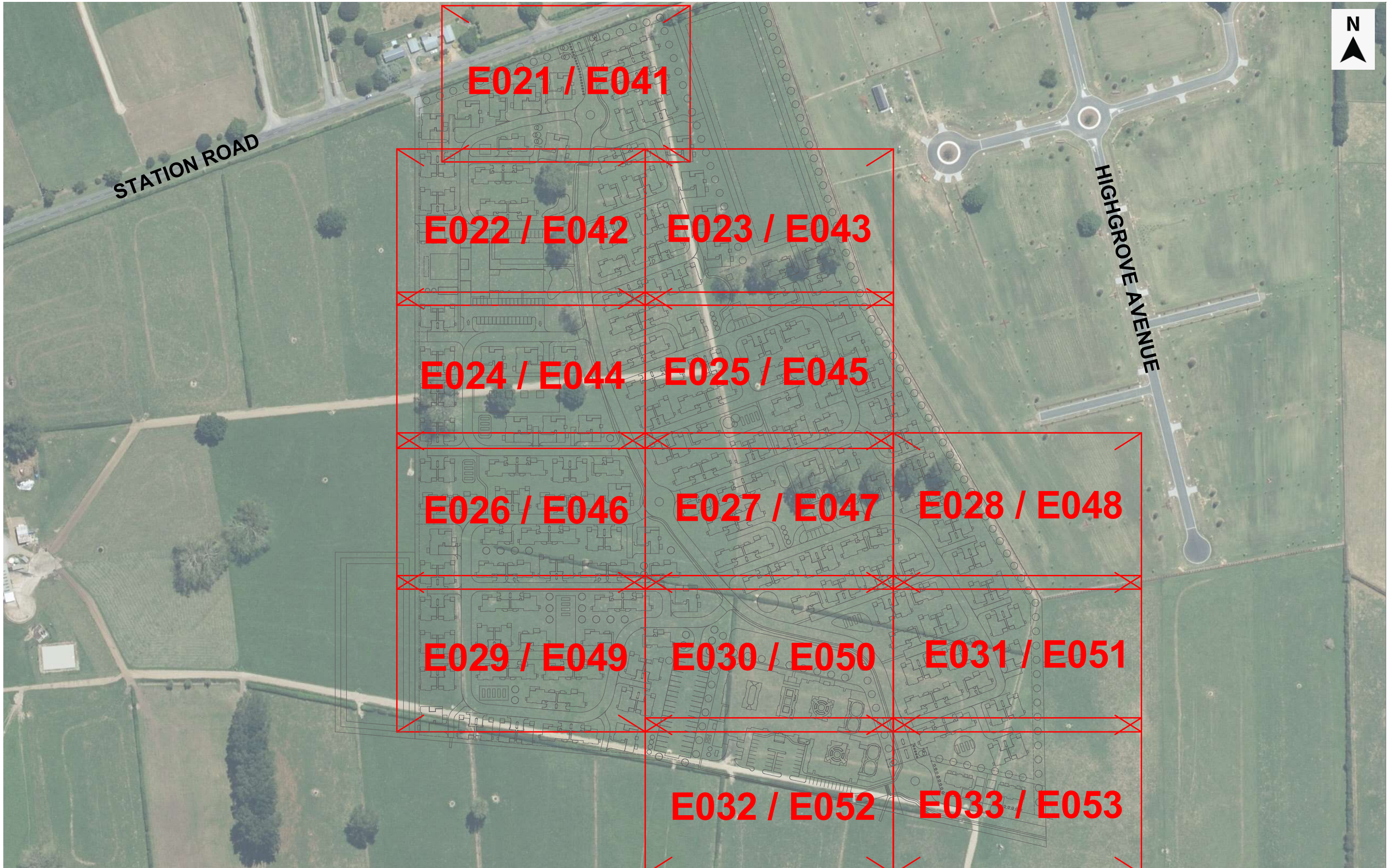
DETAIL - NEW LUMINAIRES

QTY	CODE	DESCRIPTION	MF	Gamma80-90	Gamma90
35	L1	NEW PHILIPS (NORWICH) LUMA BGP701 DW50 BL1 LED27 LED LUMINAIRE (17W, 1392lm, CRI70, 3000K, DALI, NEMA, BLACK)	0.80	108.7 cd	0.0 cd
73	L2	NEW PHILIPS (NORWICH) LUMA BGP701 DN10 BL2 LED24 LED LUMINAIRE (15.9W, 1132lm, CRI70, 3000K, DALI, NEMA, BLACK)	0.80	251.9 cd	0.0 cd
2	L3	NEW PHILIPS (NORWICH) LUMA BGP701 DPL1 BL1 LED30 LED LUMINAIRE (19.7W, 1340lm, CRI70, 3000K, DALI, NEMA, BLACK)	0.80	92.2 cd	0.0 cd

DETAIL - NEW STREET LIGHT COLUMNS

QTY	CODE	DESCRIPTION
108	C1	NEW (NORWICH) DECORATIVE GROUND-PLANT COLUMN WITH 6 m LUMINAIRE MOUNTING HEIGHT AND SINGLE 1 m CURVED OUTREACH
2	C2	NEW (NORWICH) DECORATIVE GROUND-PLANT COLUMN WITH 6 m LUMINAIRE MOUNTING HEIGHT AND VERTICAL 60mm OD POST-TOP SPIGOT

PROJECT ASHBOURNE RETIREMENT VILLAGE				THE VALUES SHOWN IN THIS REPORT ARE THE RESULT OF PRECISION CALCULATIONS. IN PRACTICE THE VALUES MAY VARY DUE TO TOLERANCE ON LUMINAIRES, LUMINAIRE POSITIONING, SURFACE FINISHES AND ELECTRICAL SUPPLY. THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO NORWICH GROUP LTD.	CLIENT <div><div>HPA</div><div>DEFINE DESIGN DELIVER</div></div>	DESIGN BY <div>NORWICH GROUP</div>	STATUS: CONCEPT		
DRAWING COLUMN AND LUMINAIRE DETAILS									
SCALE @A3 N.T.S.	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA				REV	NOTES	DATE
PROJECT NUMBER 25-0075	DRAWING NUMBER E003	REVISION A					A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING SHEET LAYOUT - OVERALL			
SCALE @A3 1:2500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E010	REVISION A	

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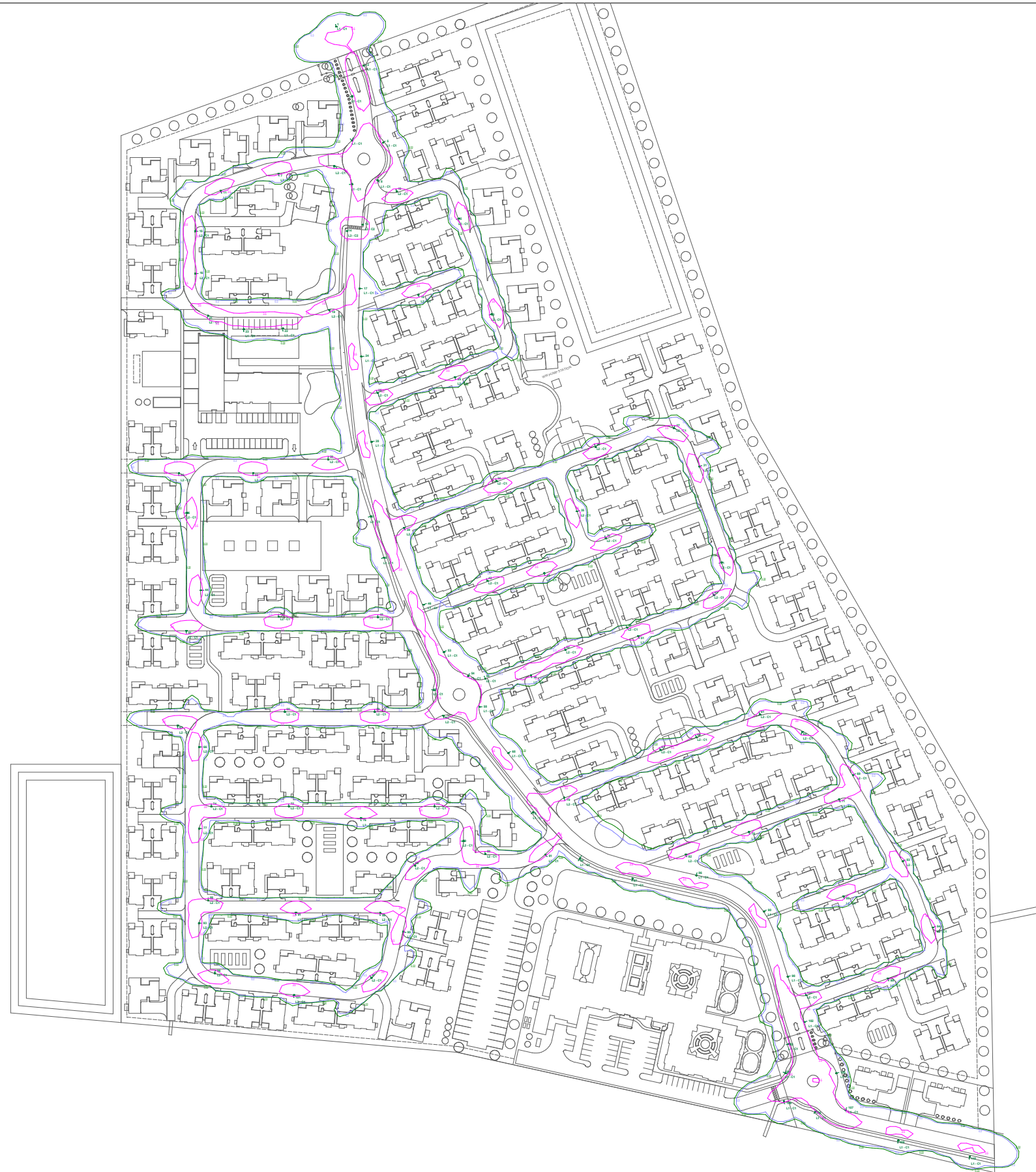
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DRAWING MAINTAINED ISOLINES - OVERALL			
SCALE @ A3 1:2500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E020	REVISION A	

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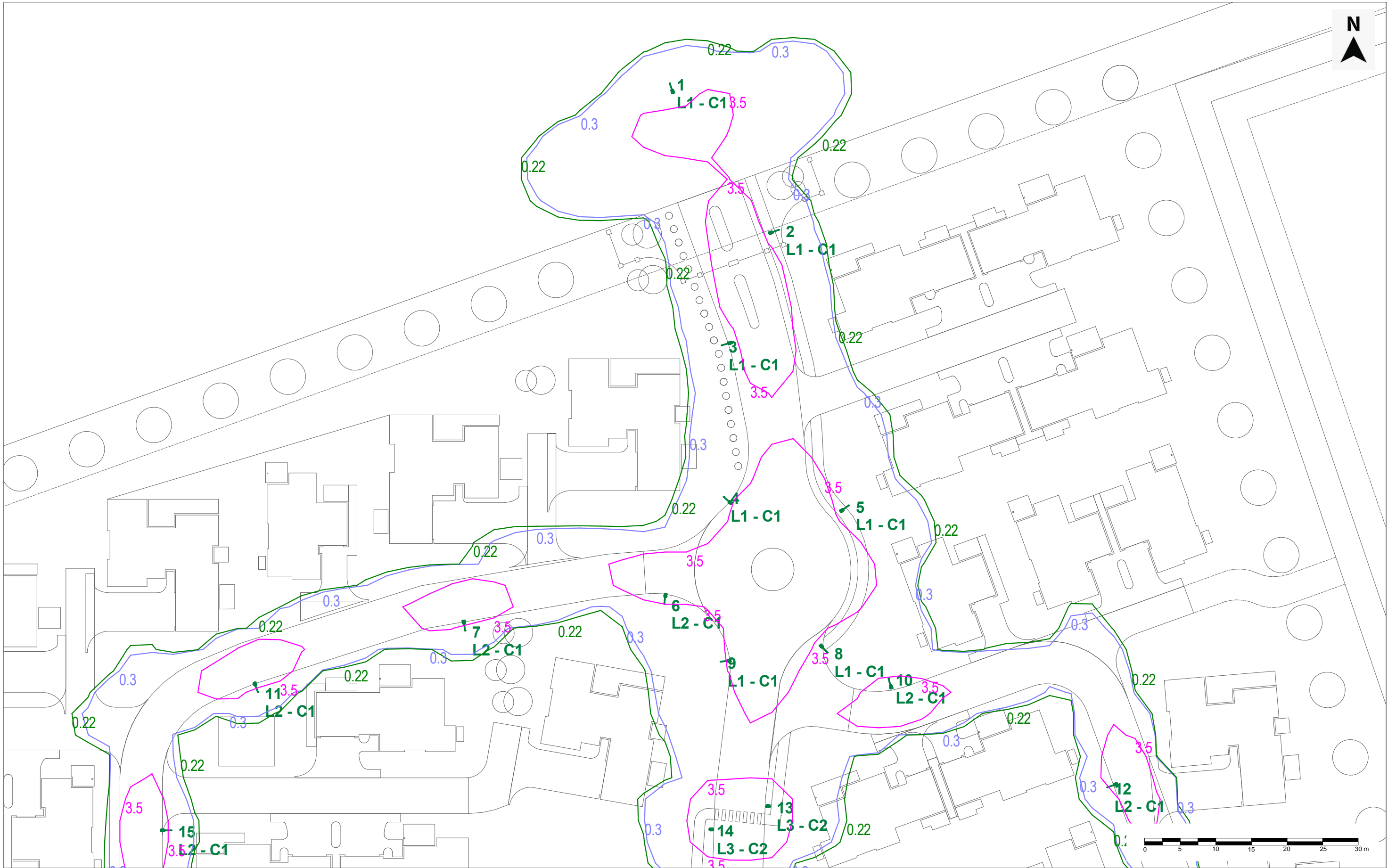


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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 1			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E021	REVISION A	

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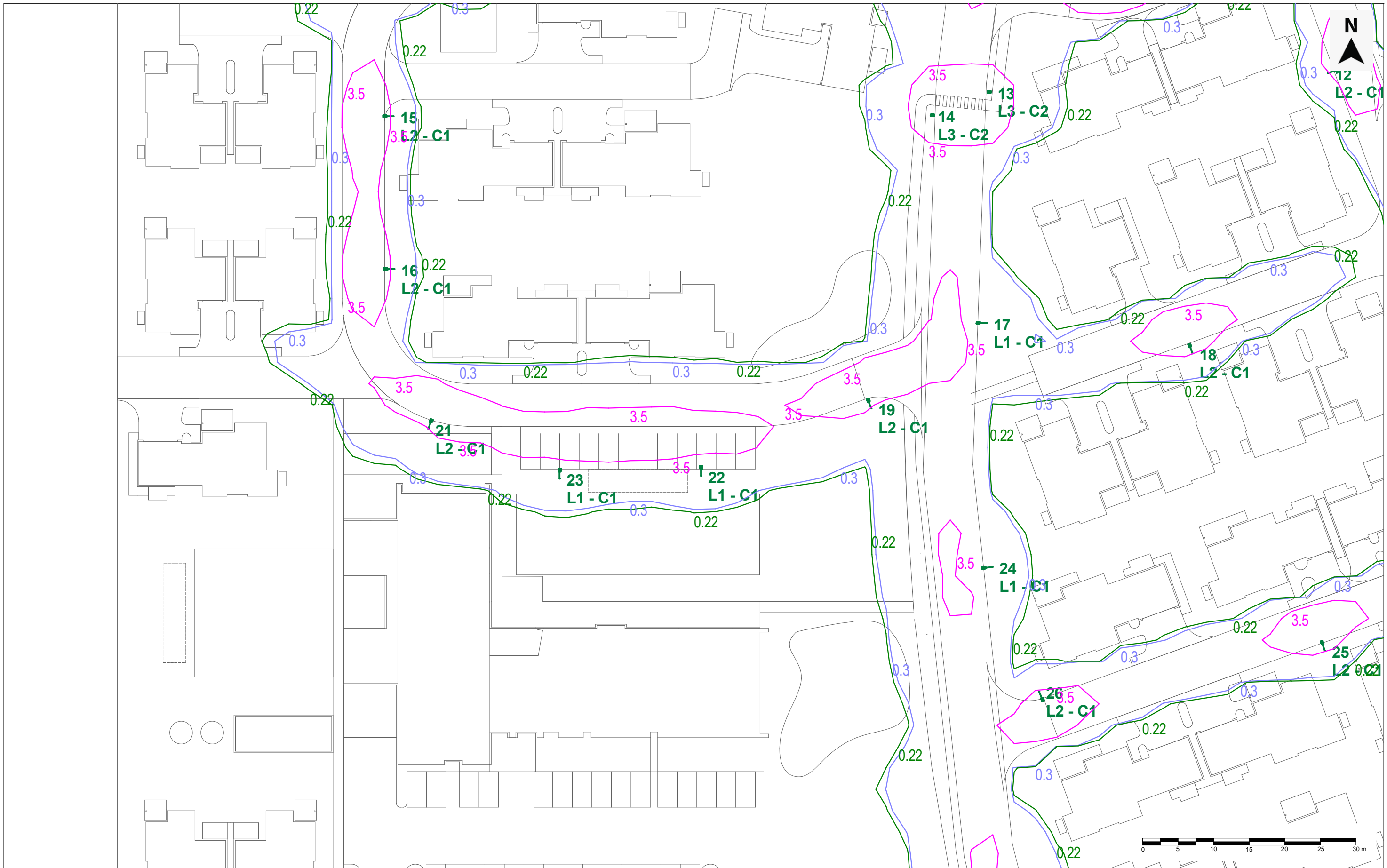
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 2			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E022	REVISION A	

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DRAWING MAINTAINED ISOLINES - LAYOUT 3			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E023	REVISION A	

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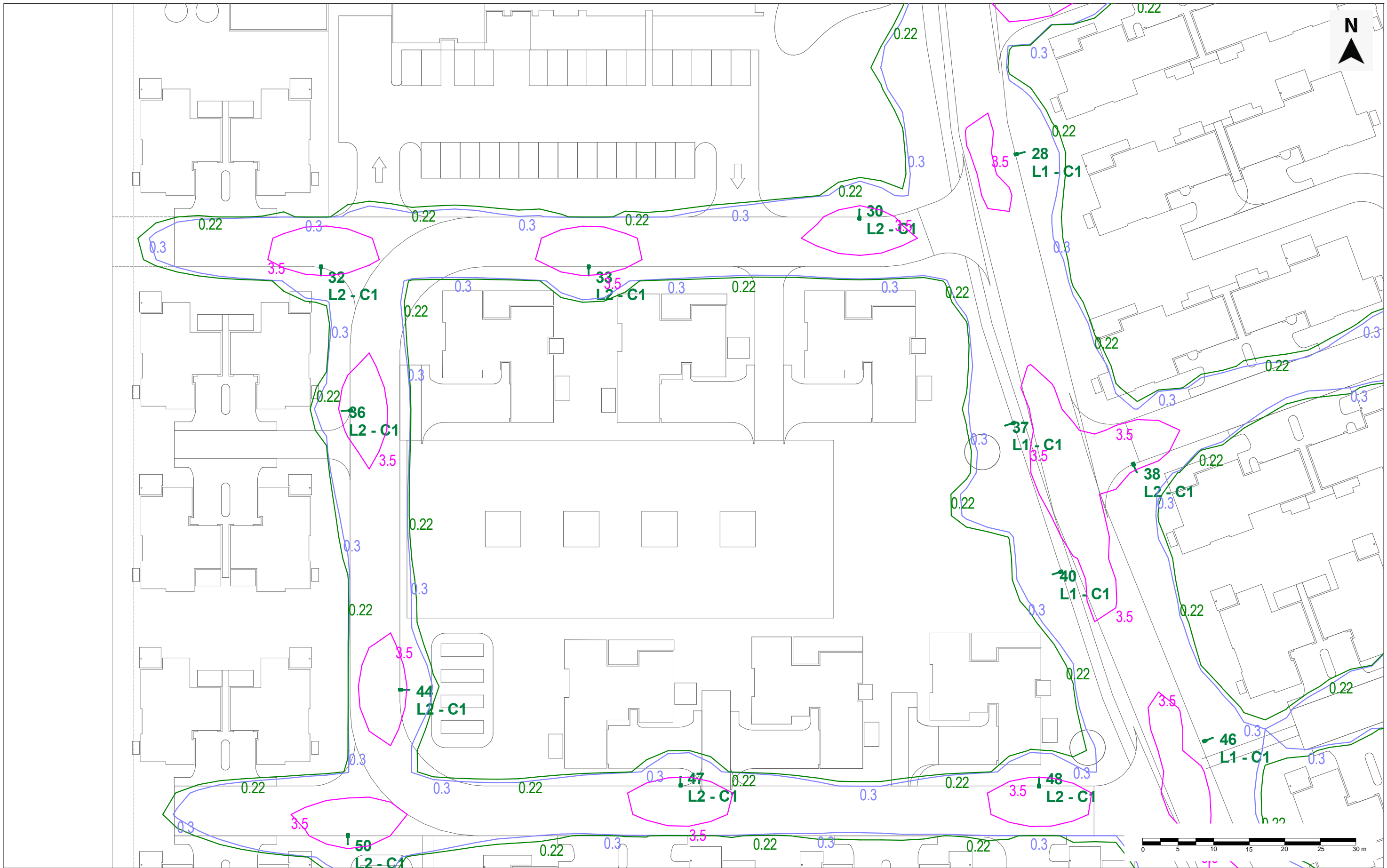
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DRAWING MAINTAINED ISOLINES - LAYOUT 4			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E024	REVISION A	

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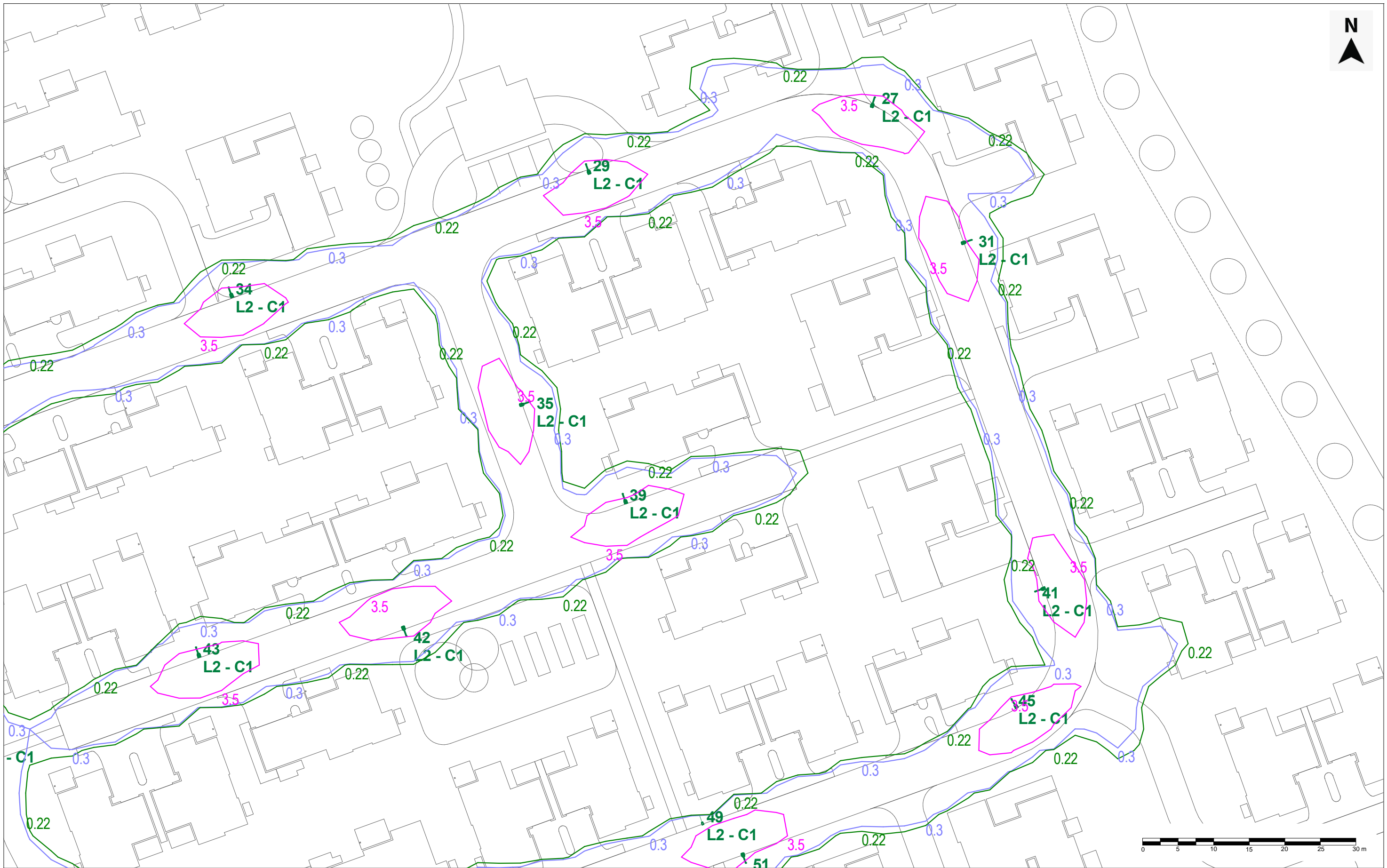
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 5			
SCALE @A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E025	REVISION A	

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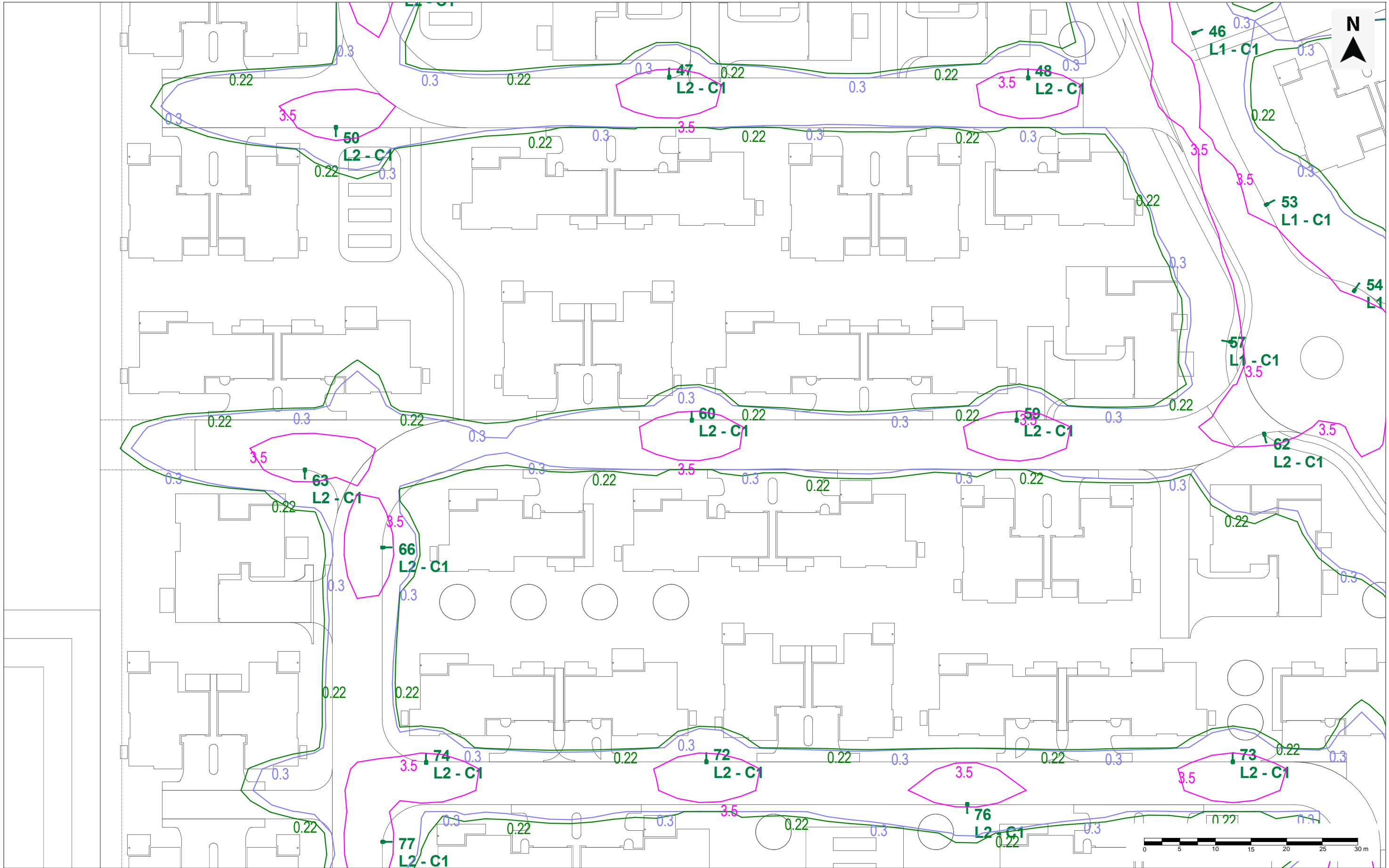
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 6			
SCALE @A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E026	REVISION A	

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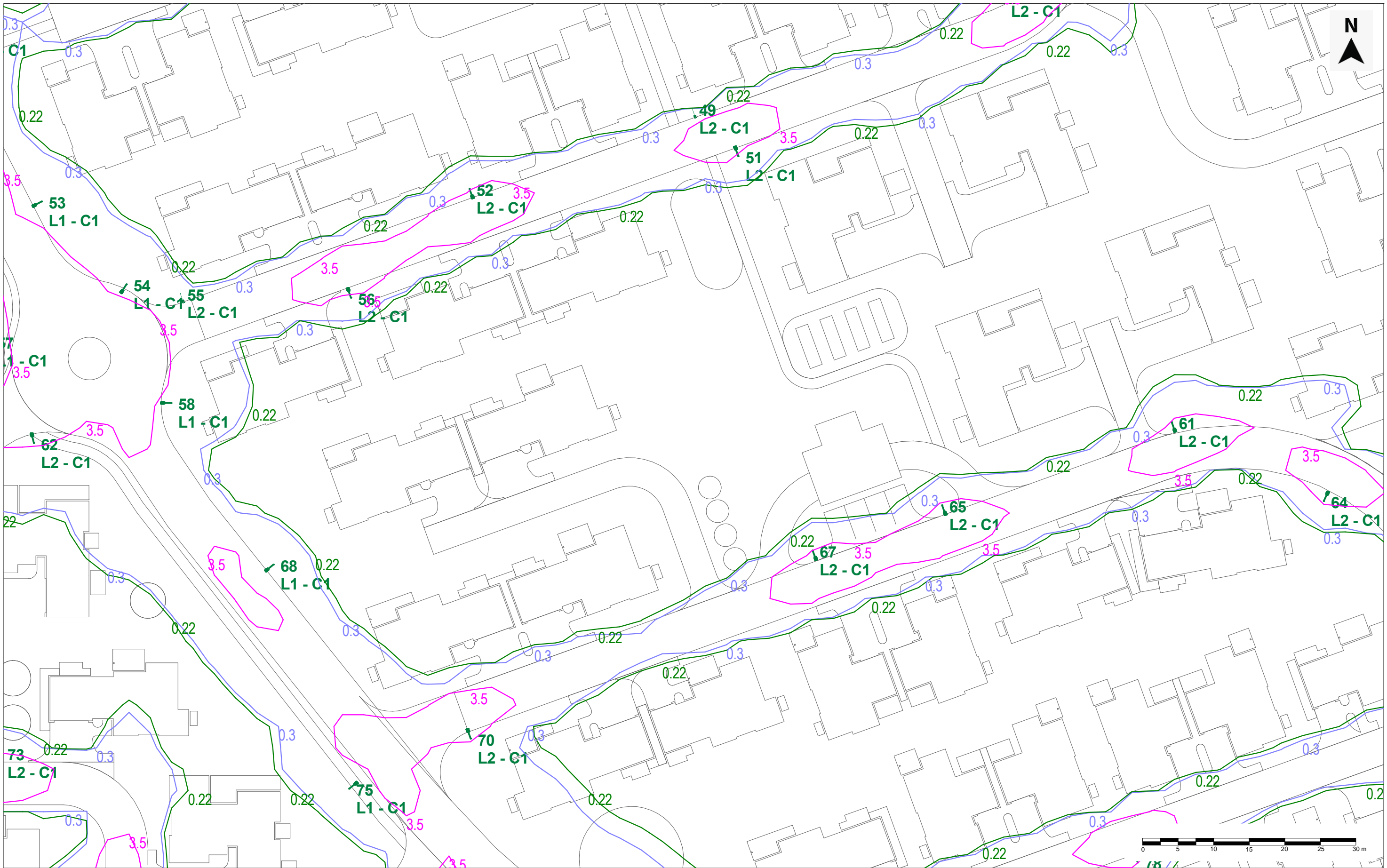


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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 7			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E027	REVISION A	

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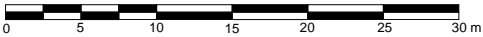
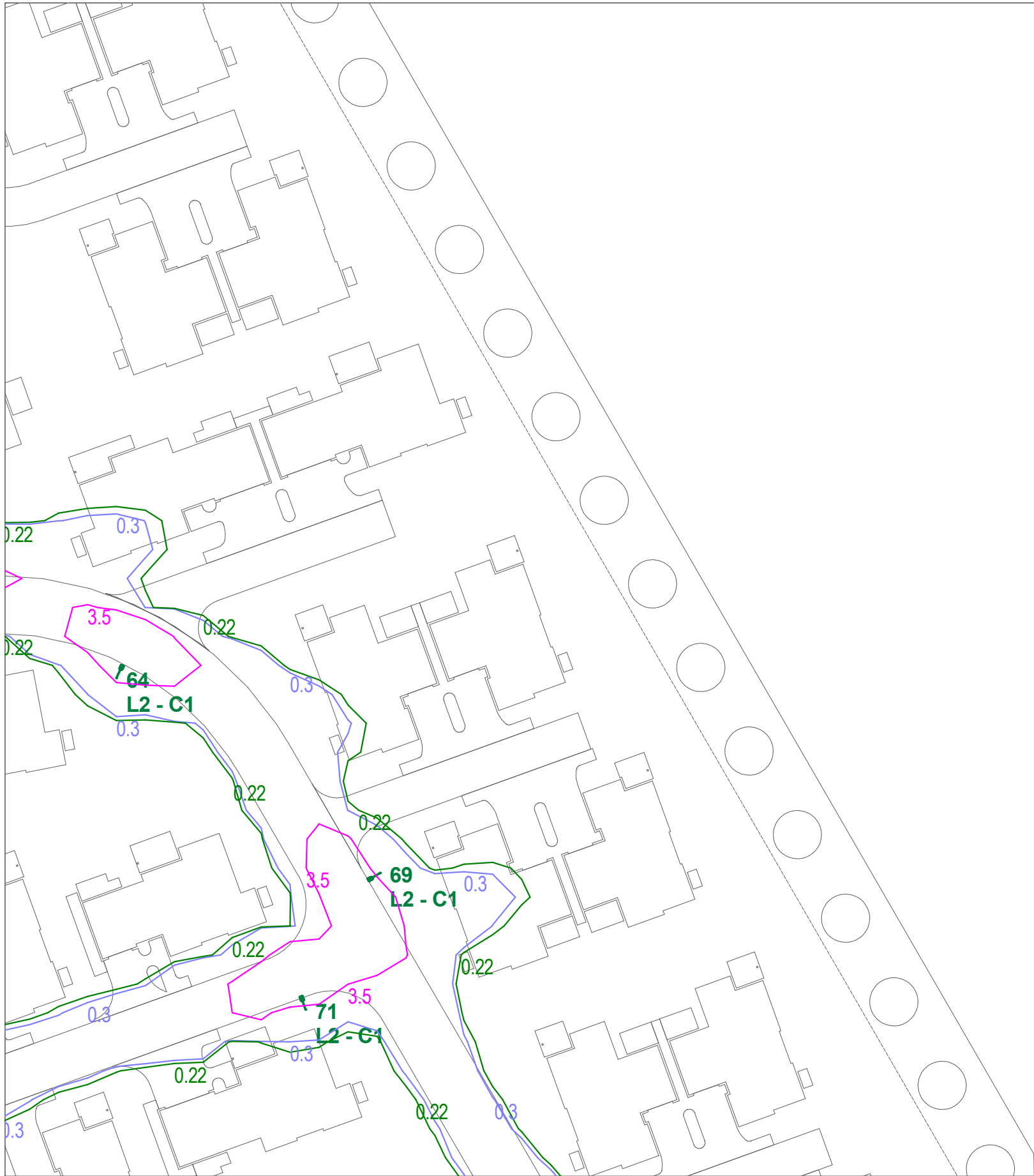
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 8			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E028	REVISION A	

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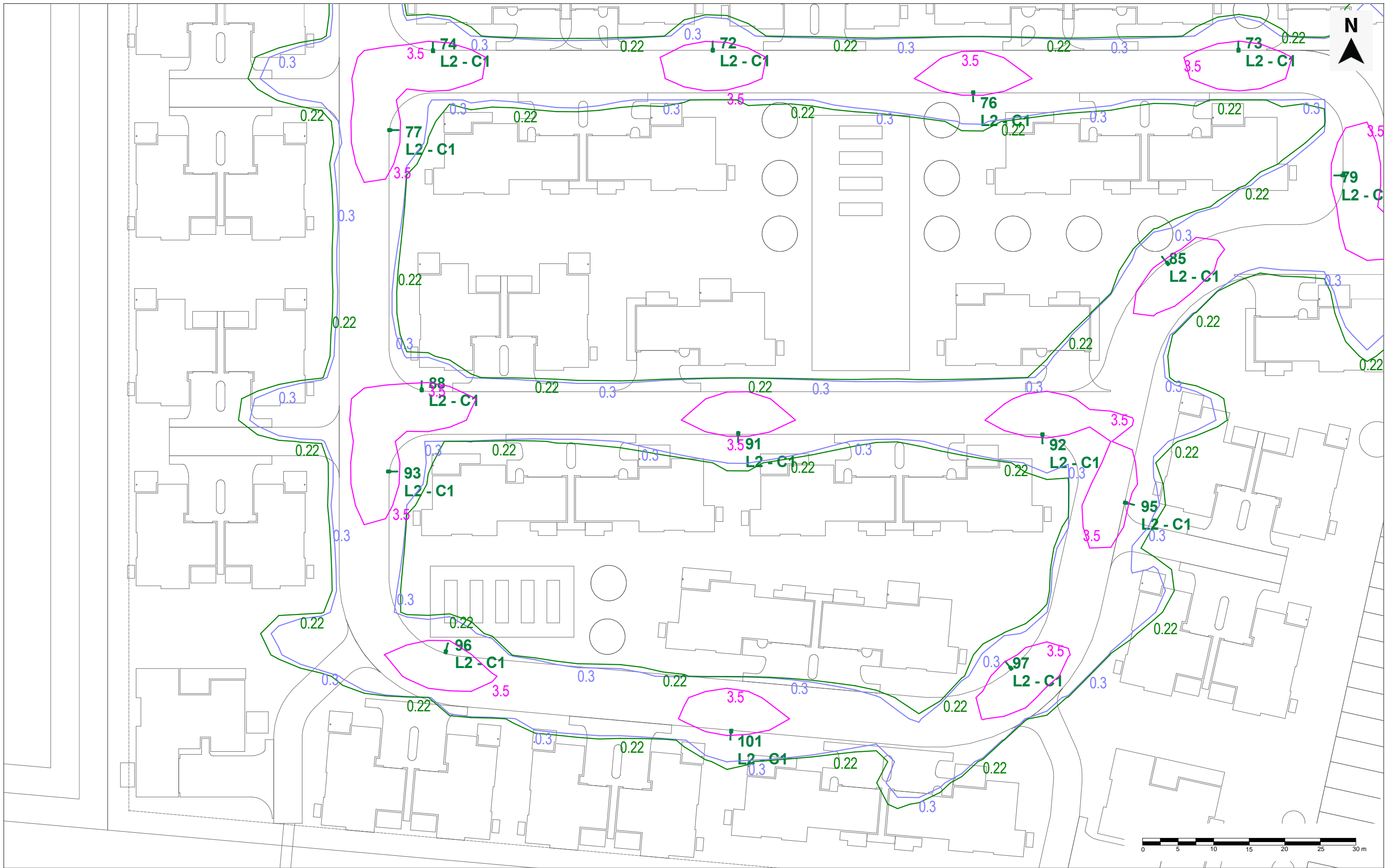


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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 9			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E029	REVISION A	

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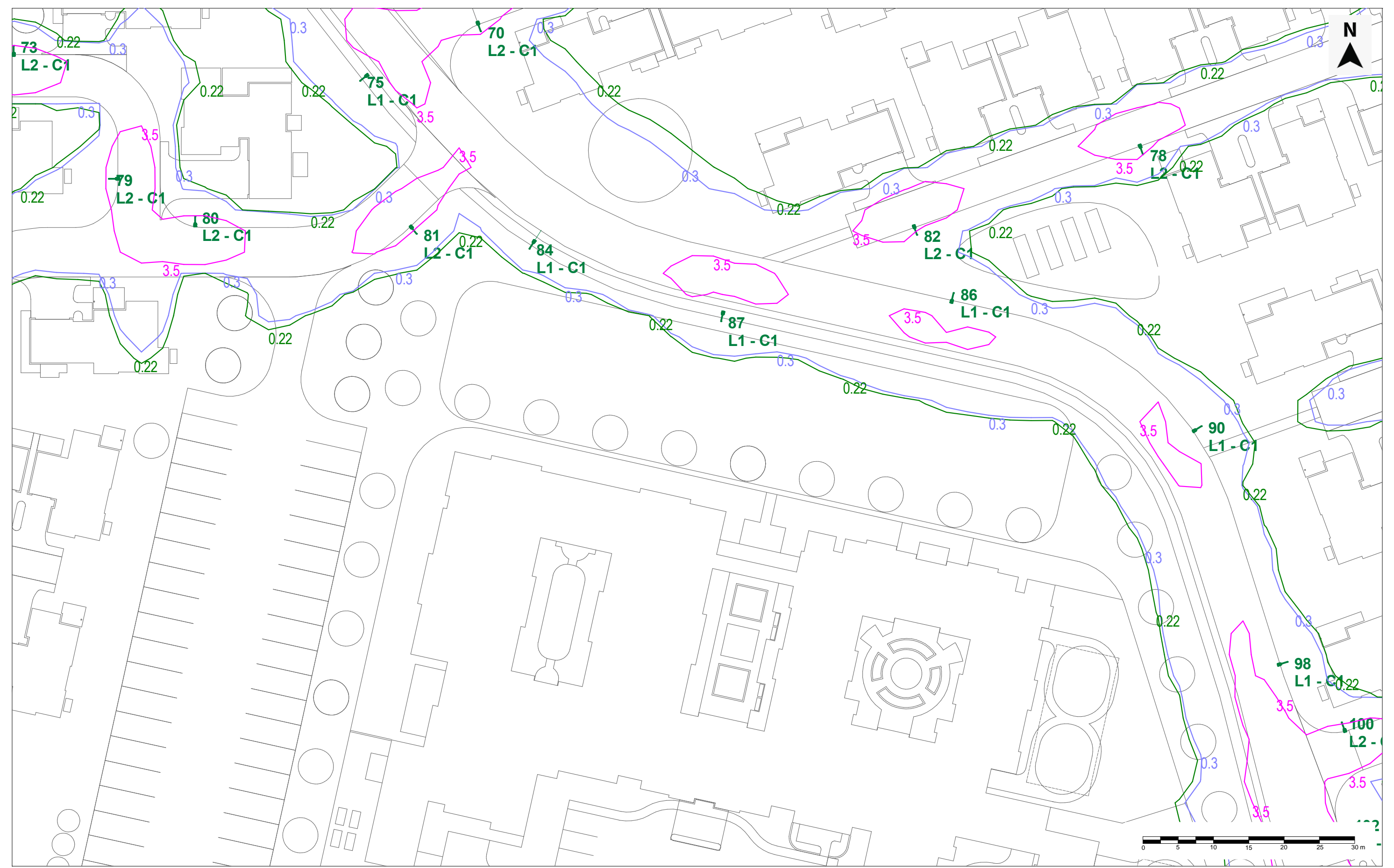
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 10			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E030	REVISION A	

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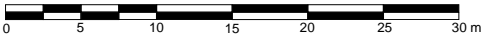
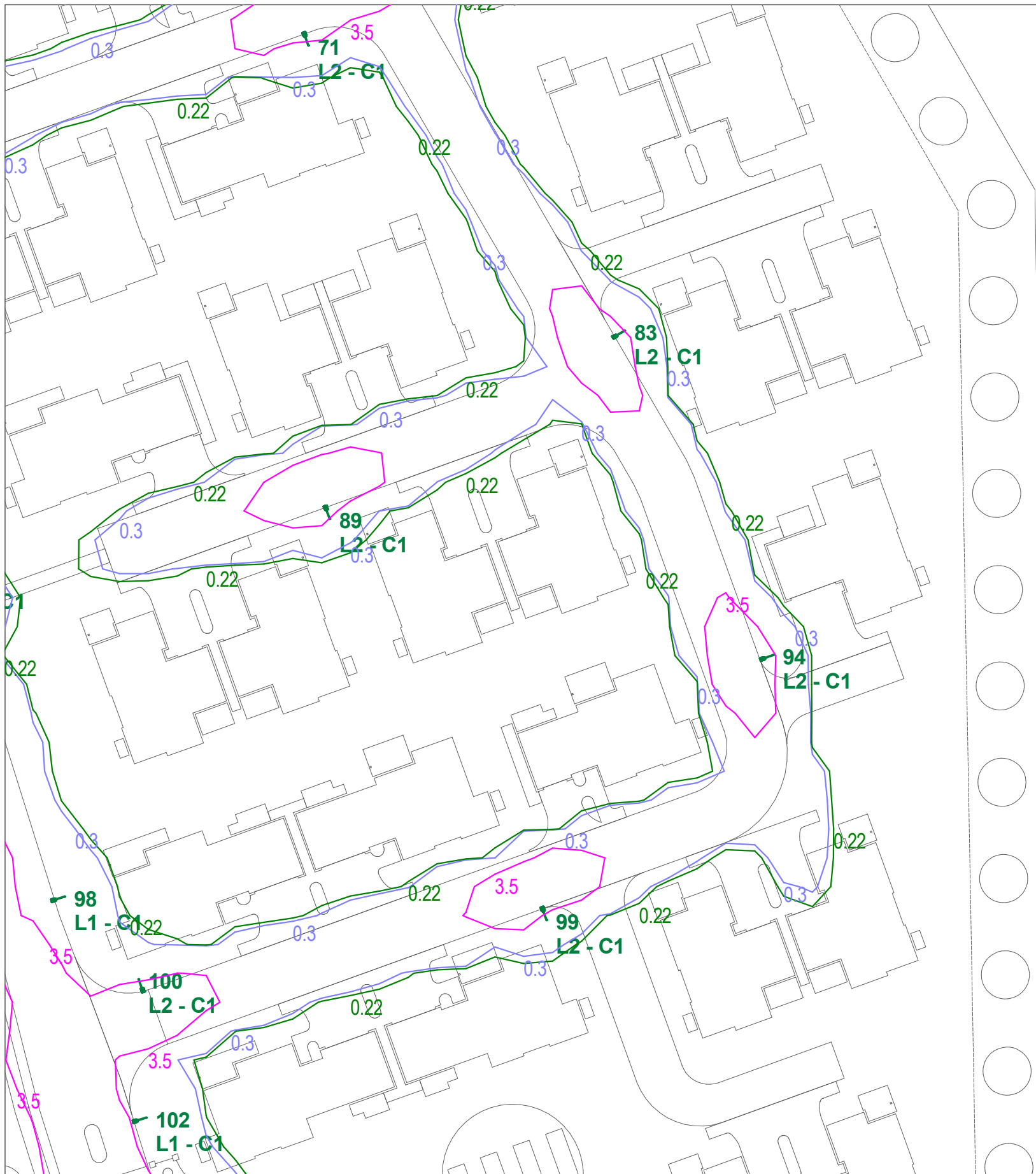


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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 11			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E031	REVISION A	

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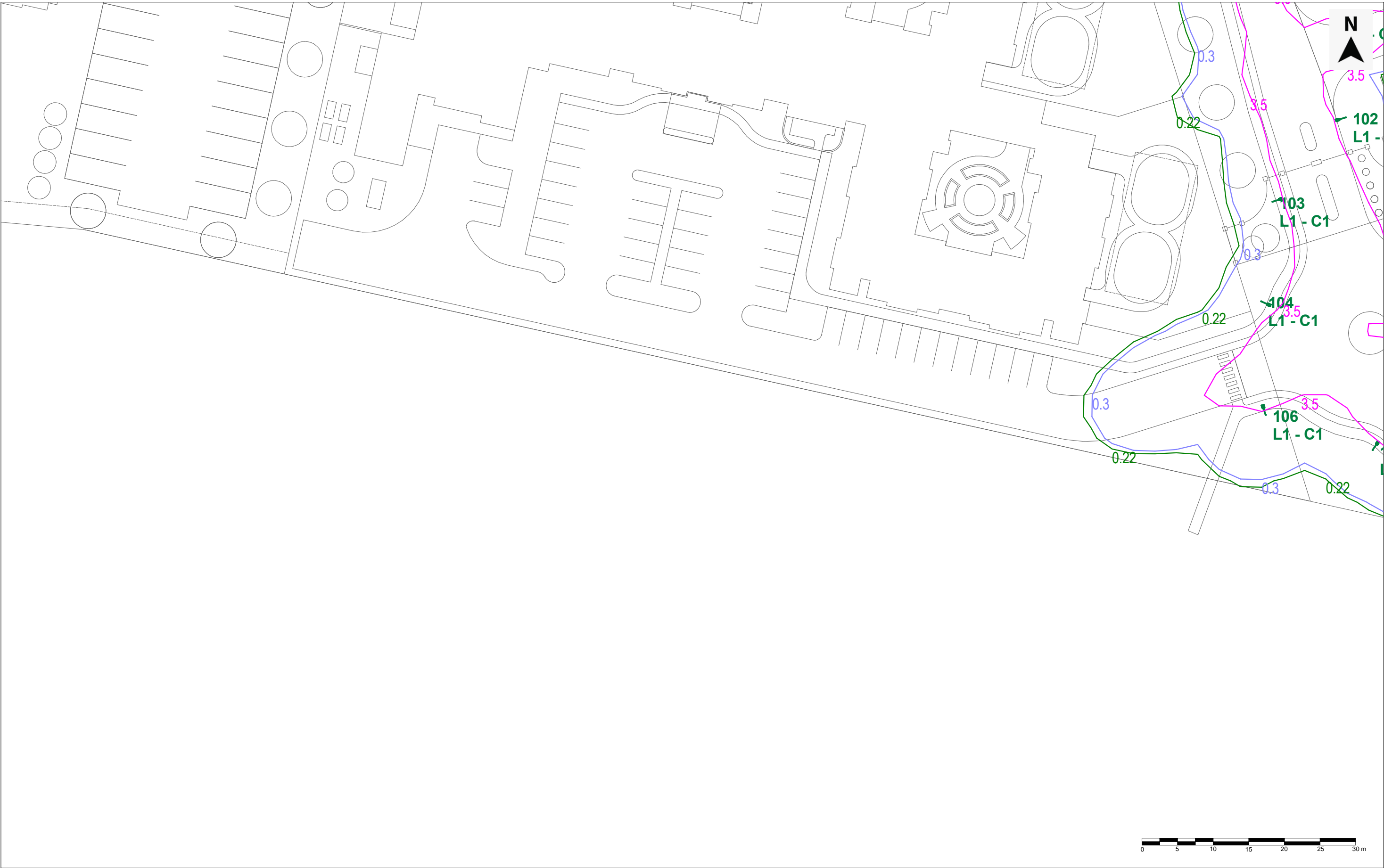
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 12			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E032	REVISION A	

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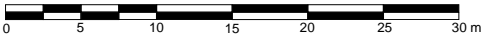
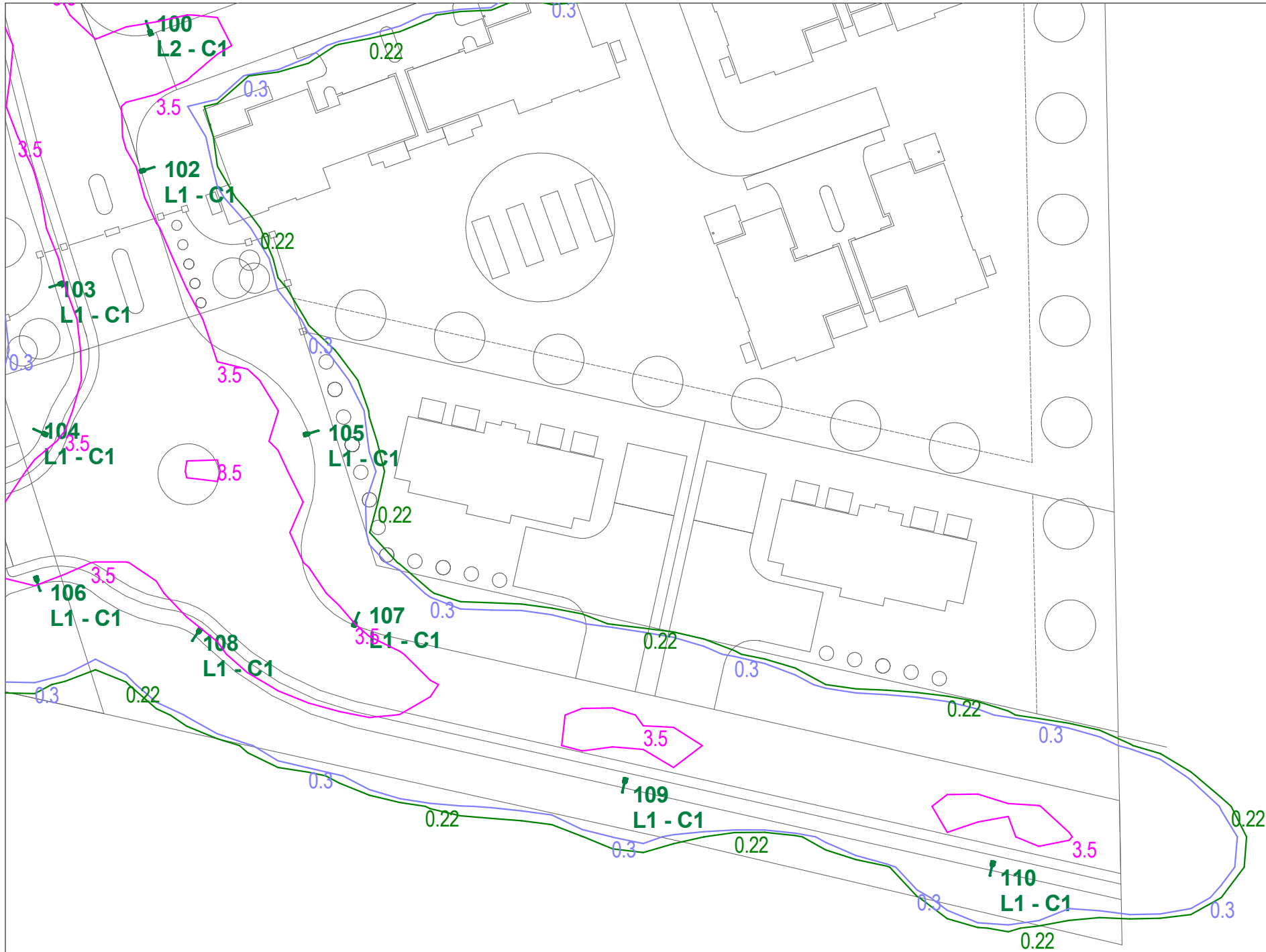
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING MAINTAINED ISOLINES - LAYOUT 13			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E033	REVISION A	

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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - OVERALL			
SCALE @ A3 1:2500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E040	REVISION A	

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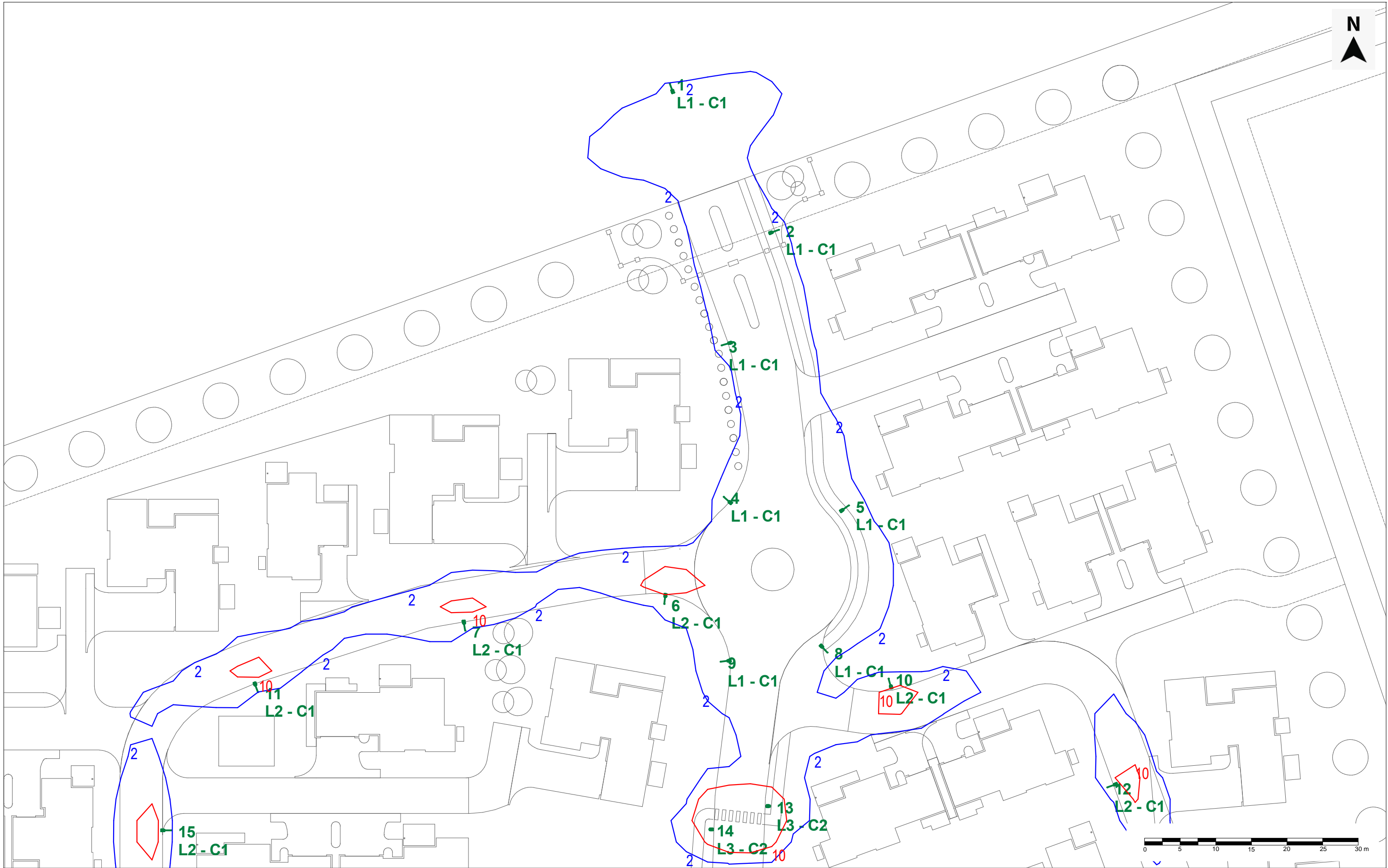


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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 1			
SCALE @A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E041	REVISION A	

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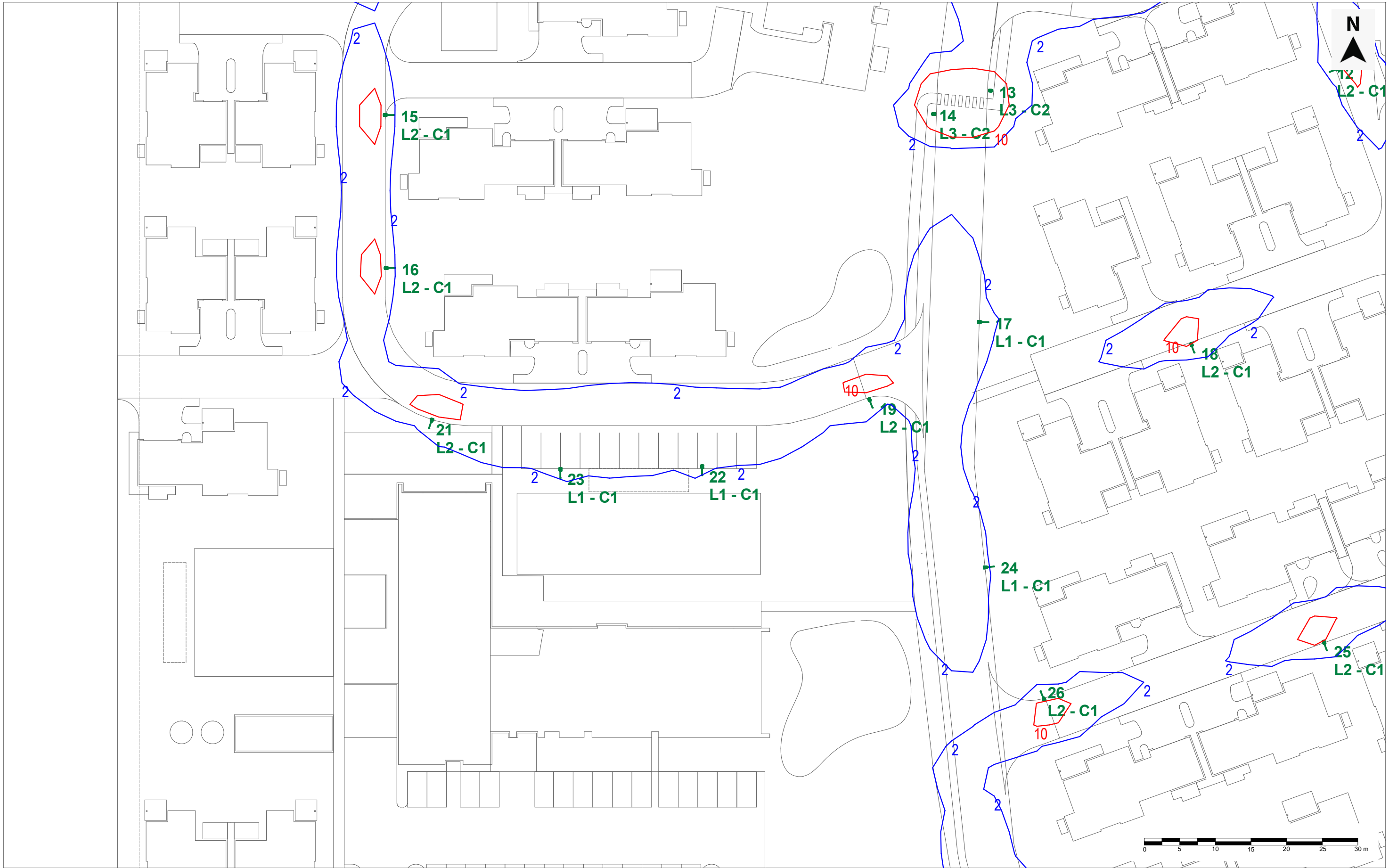
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 2			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E042	REVISION A	

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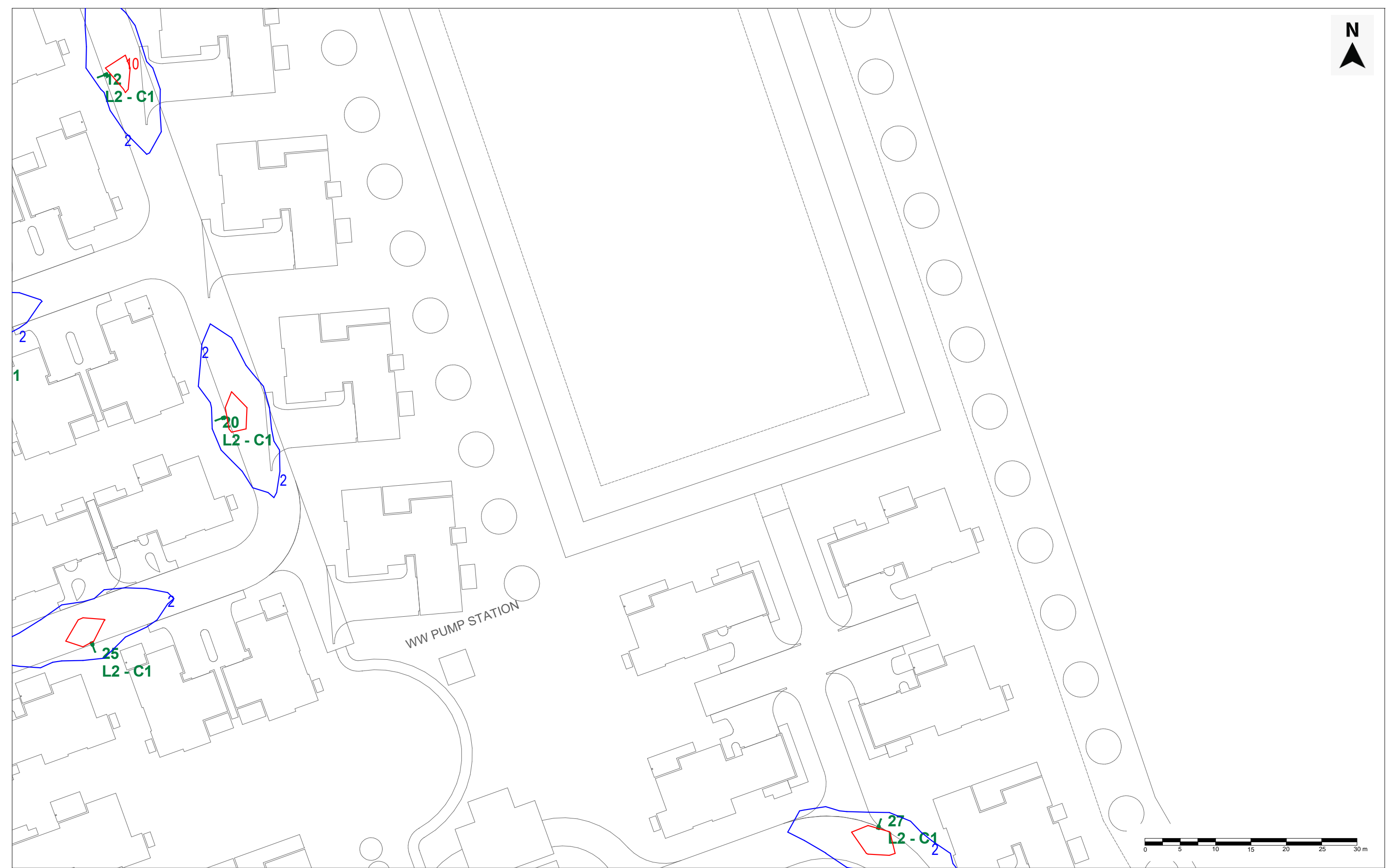
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 3			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E043	REVISION A	

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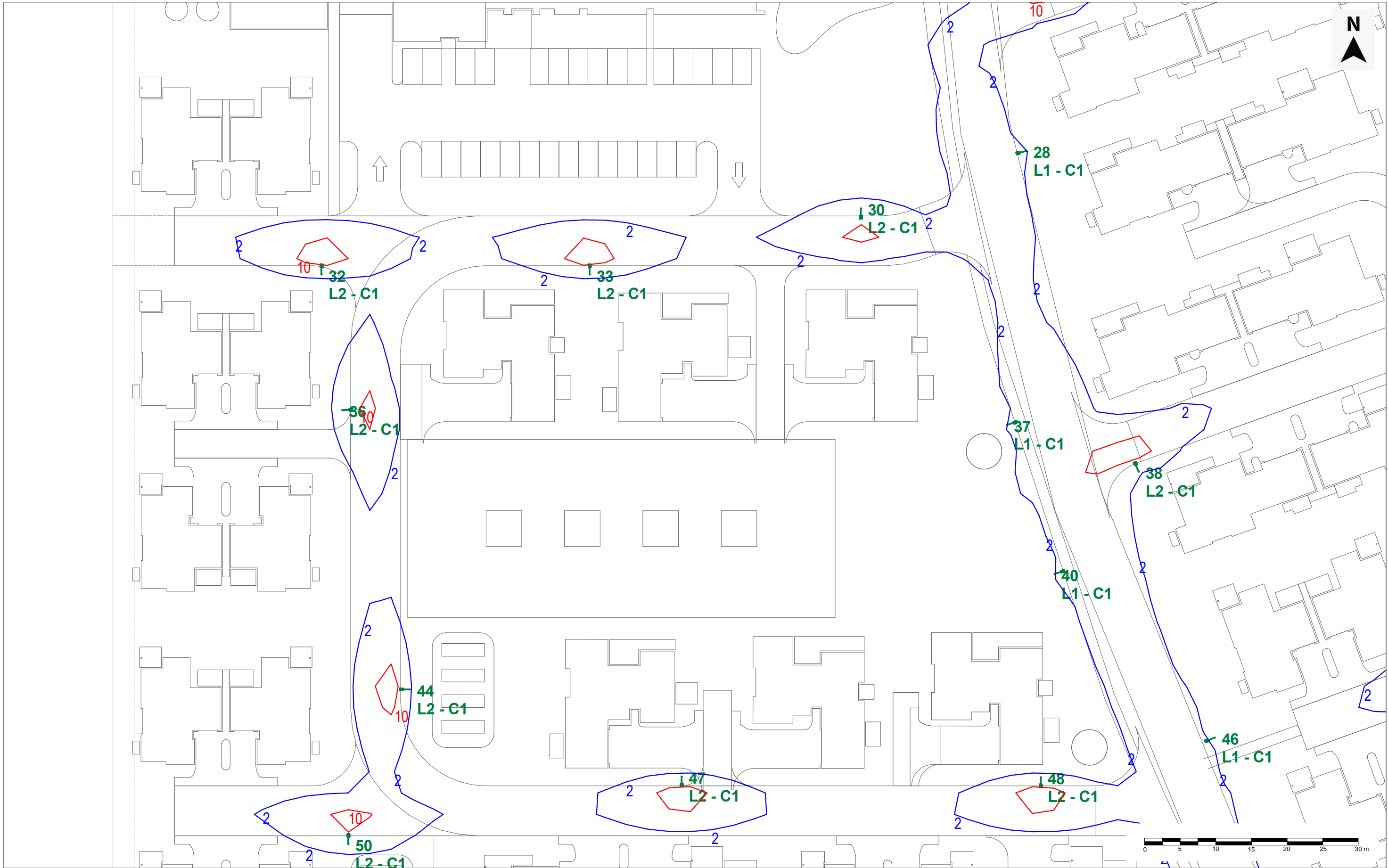
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 4			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E044	REVISION A	

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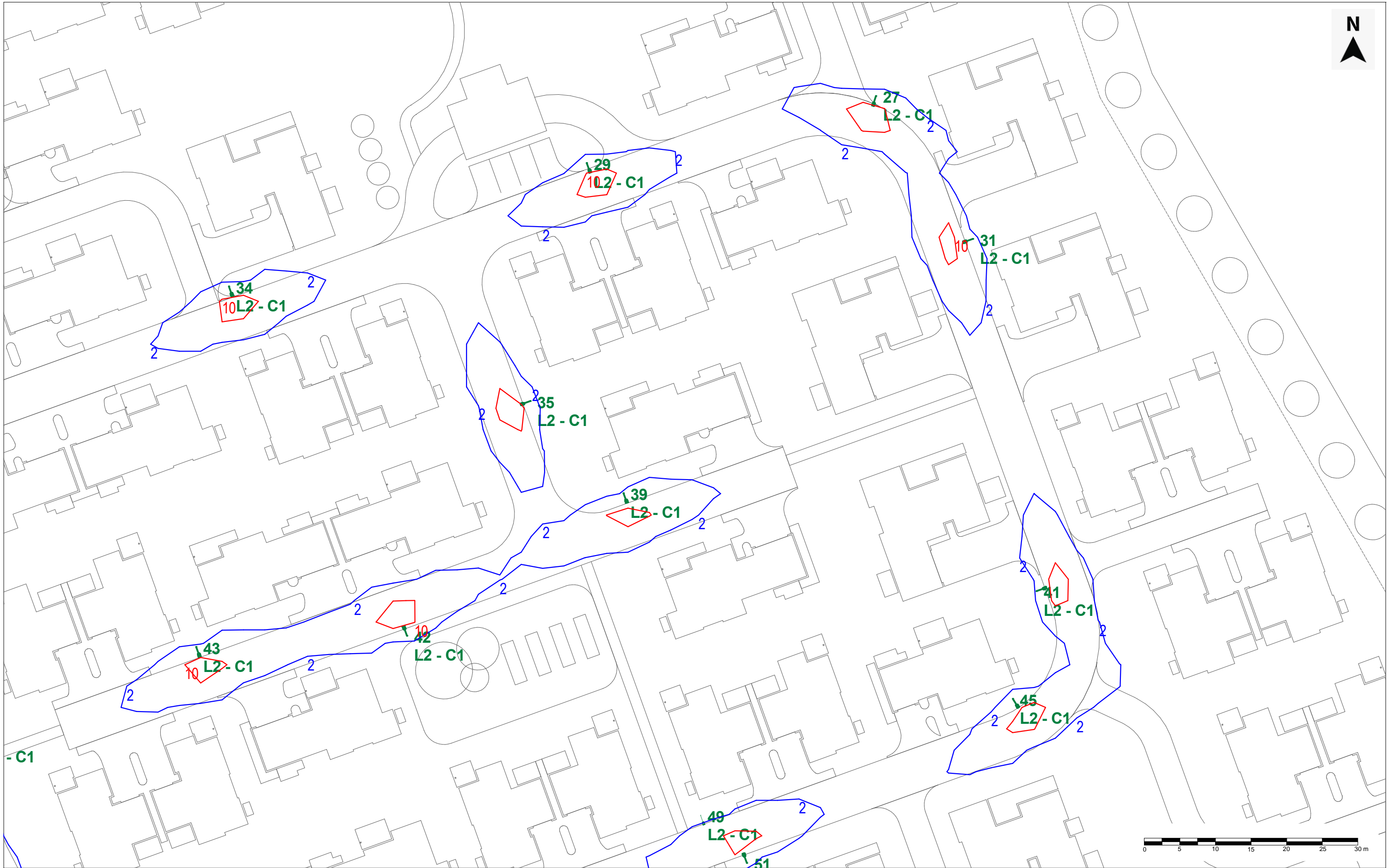
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 5			
SCALE @A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E045	REVISION A	

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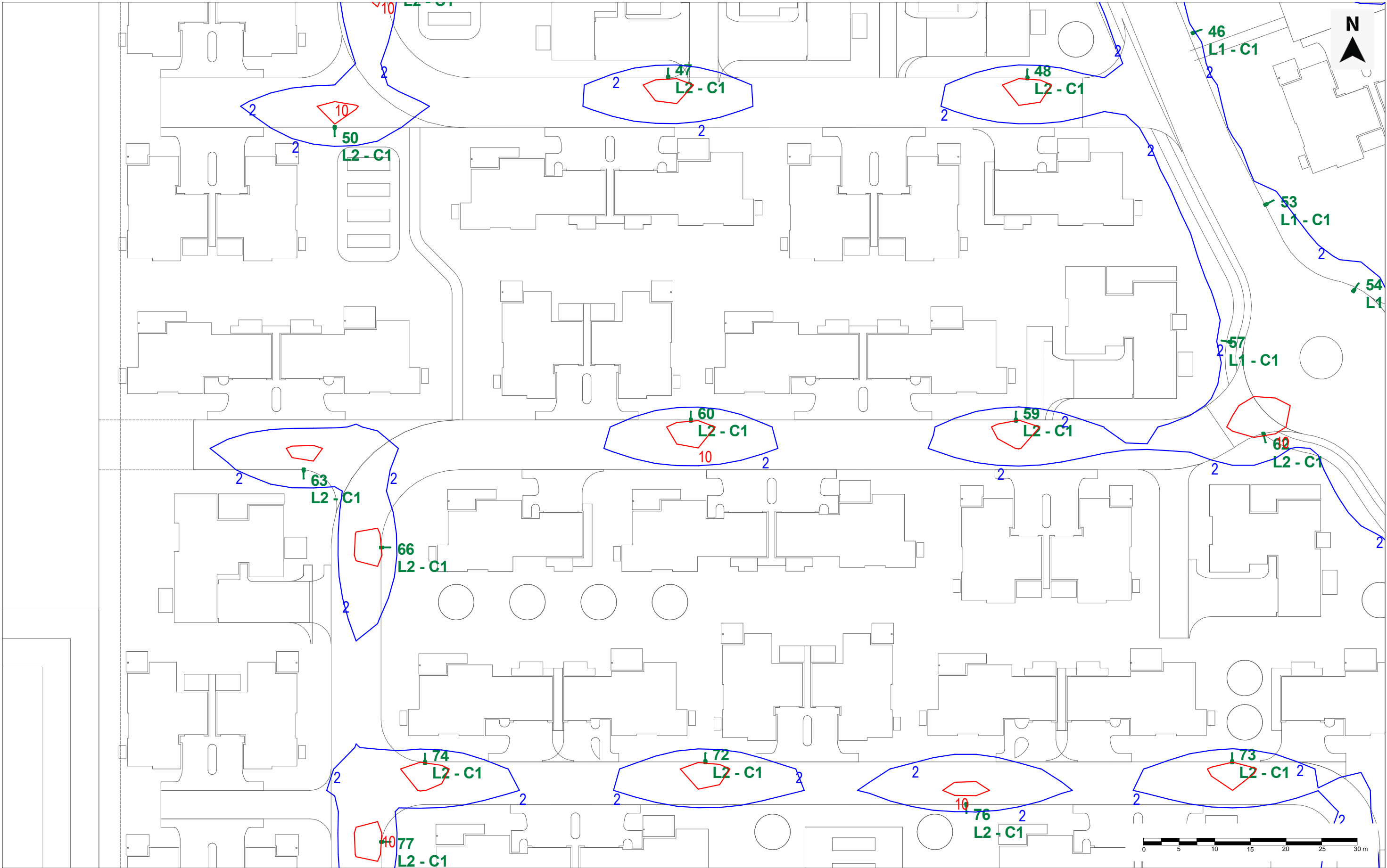
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REV	NOTES	DATE
A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 6			
SCALE @A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E046	REVISION A	

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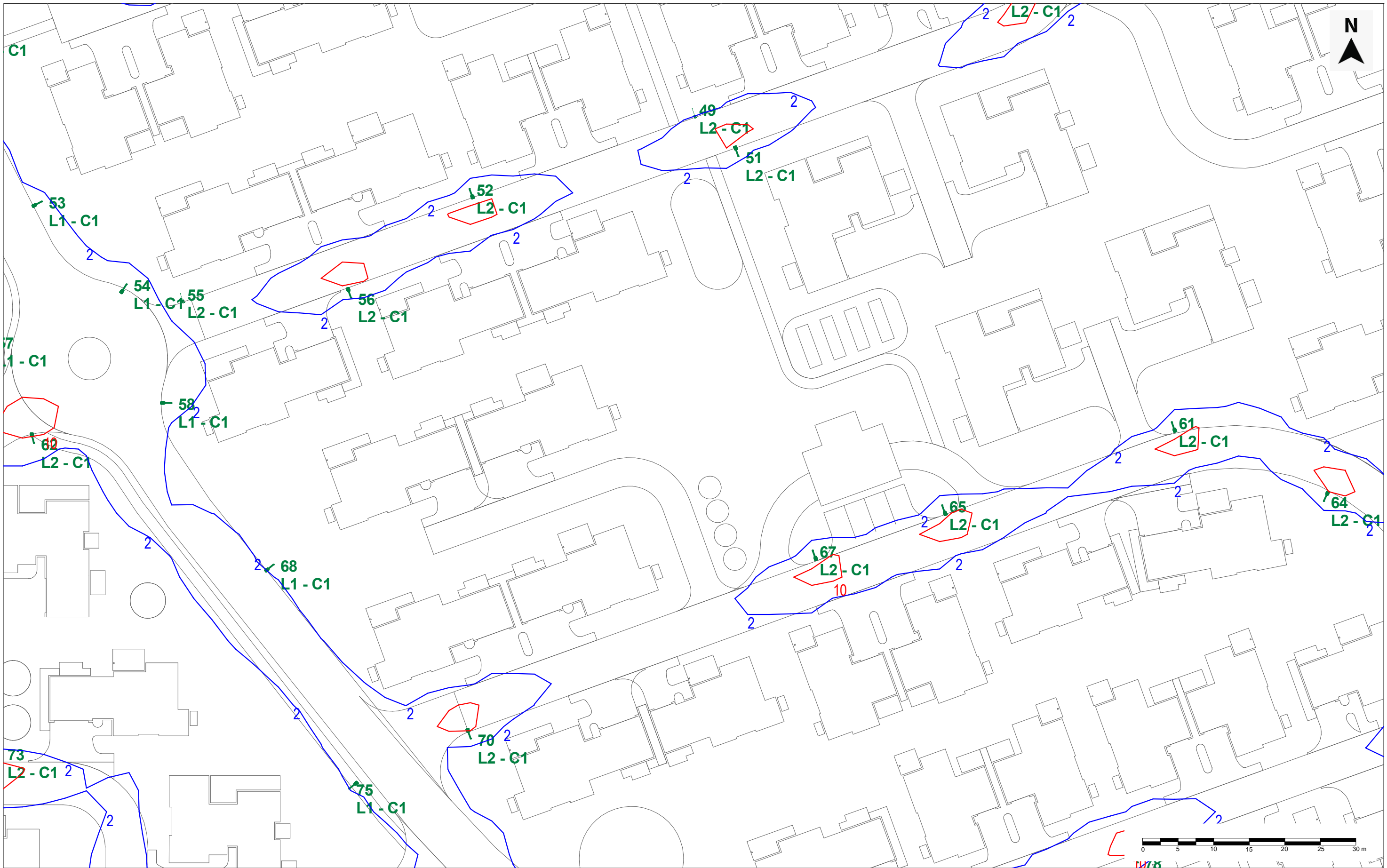
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REV	NOTES	DATE
A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 7			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E047	REVISION A	

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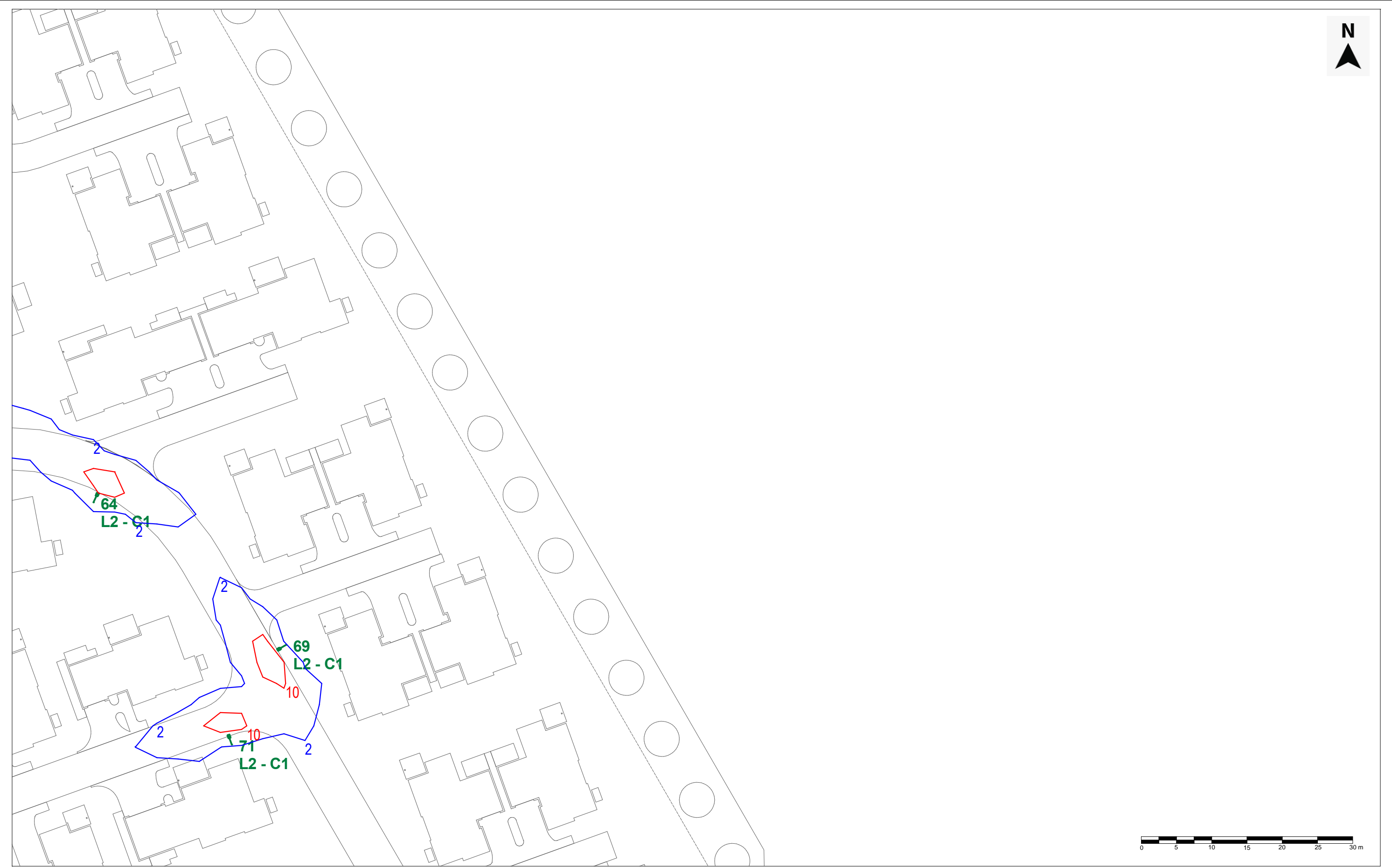
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REV	NOTES	DATE
A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 8			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E048	REVISION A	

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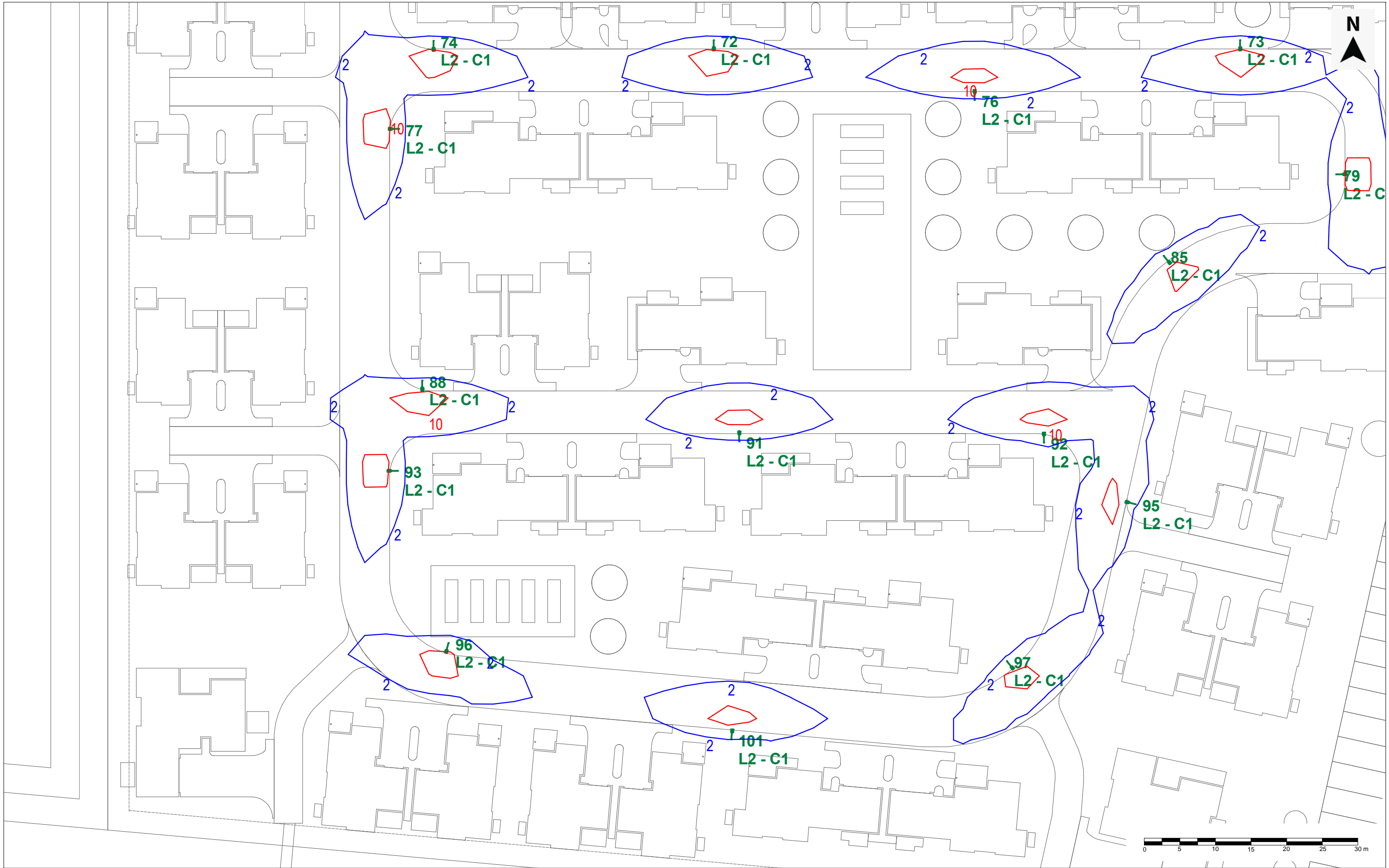
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 9			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E049	REVISION A	

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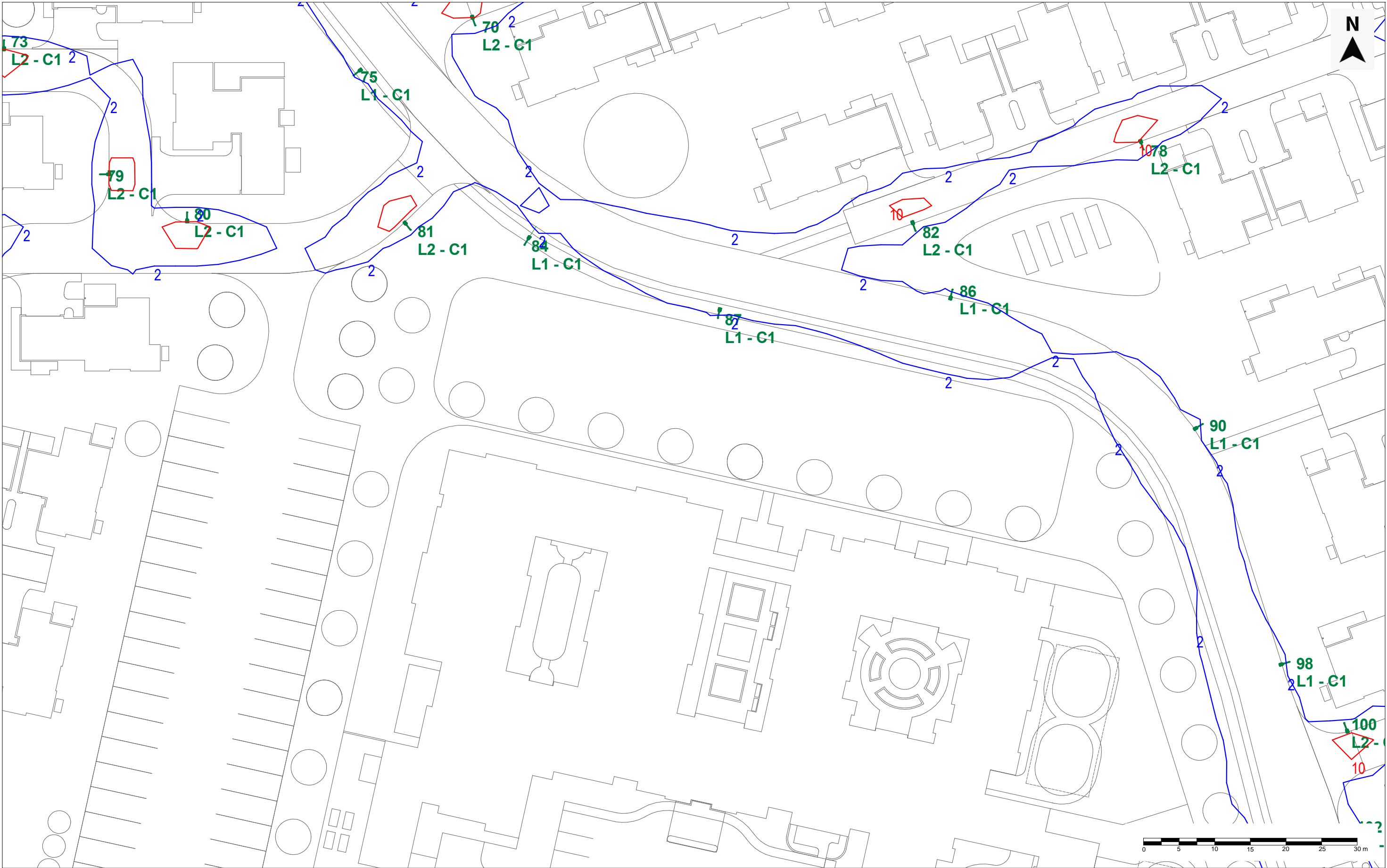
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 10			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E050	REVISION A	

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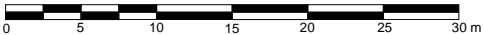
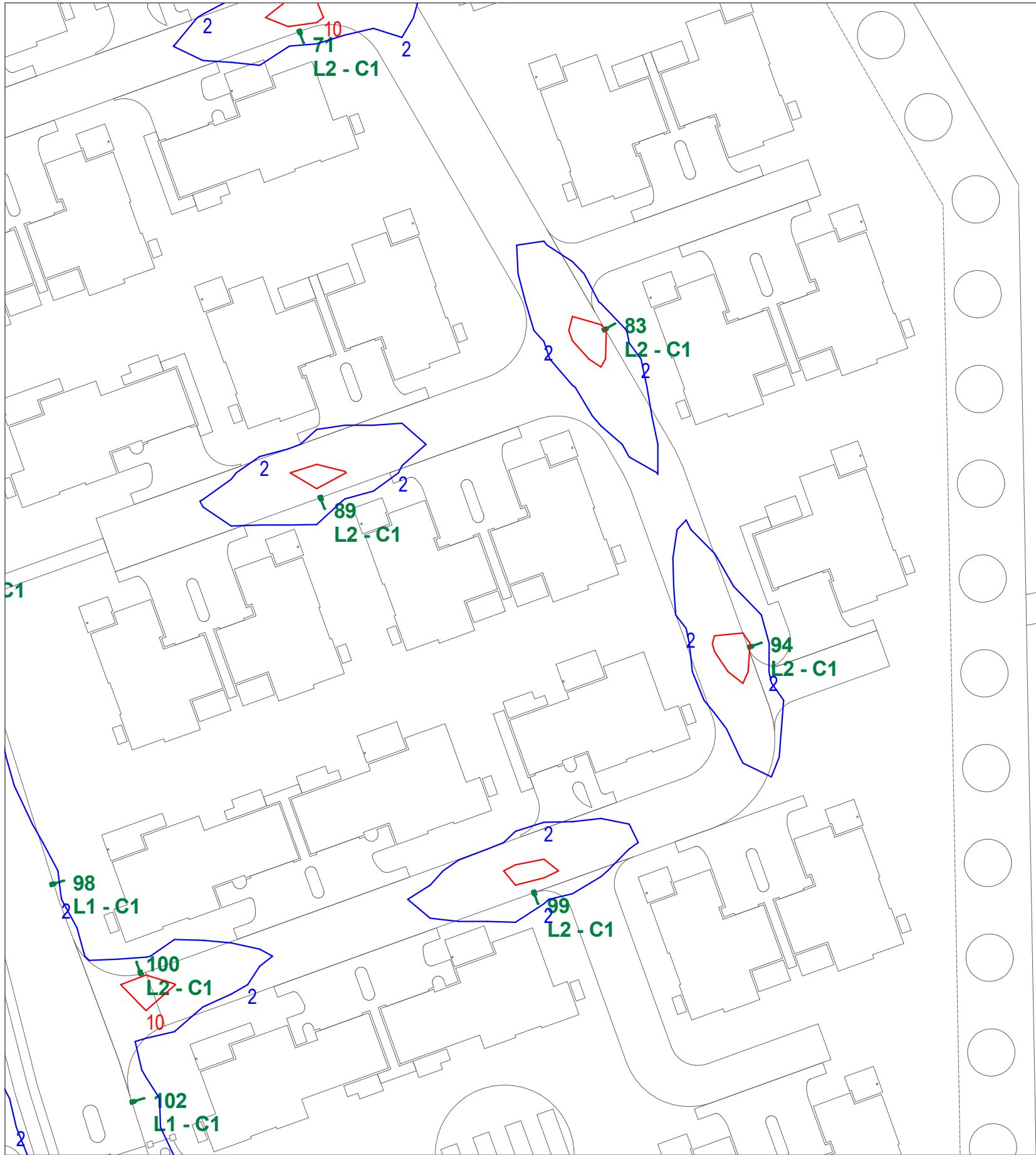
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 11			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E051	REVISION A	

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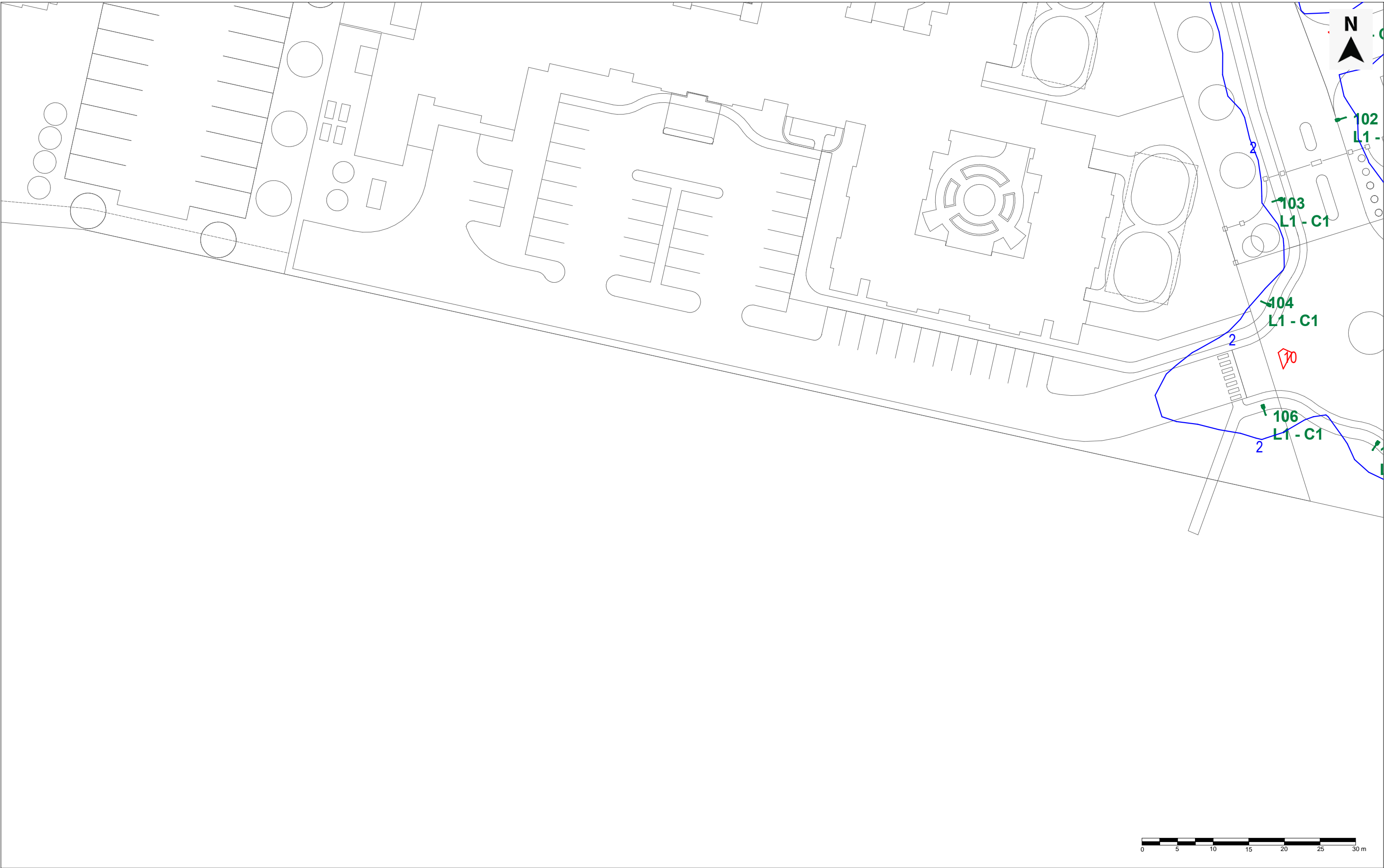
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PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 12			
SCALE @ A3 1:500 @A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E052	REVISION A	

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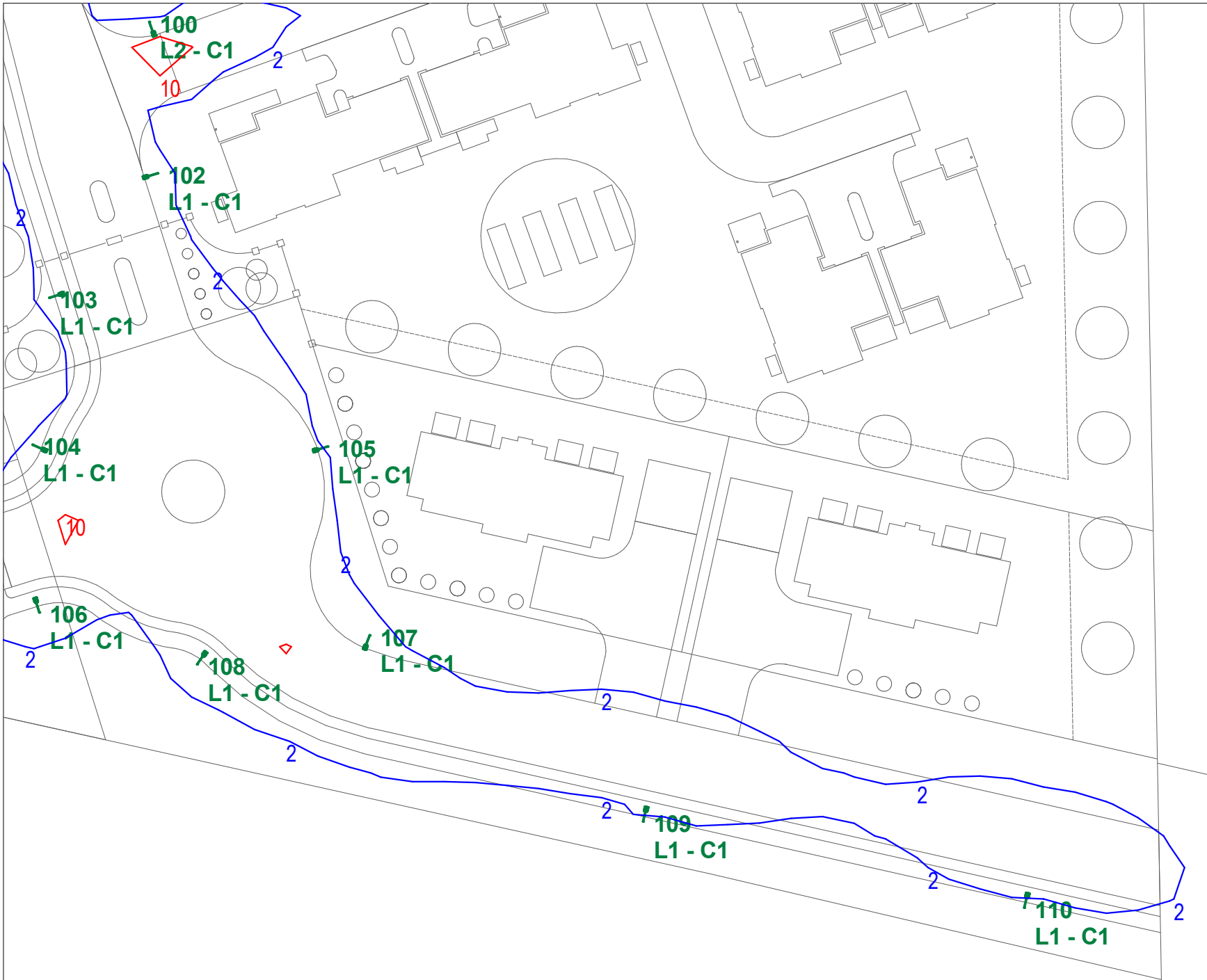
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A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING INITIAL ISOLINES - LAYOUT 13			
SCALE @ A3 1:500 @ A3	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E053	REVISION A	

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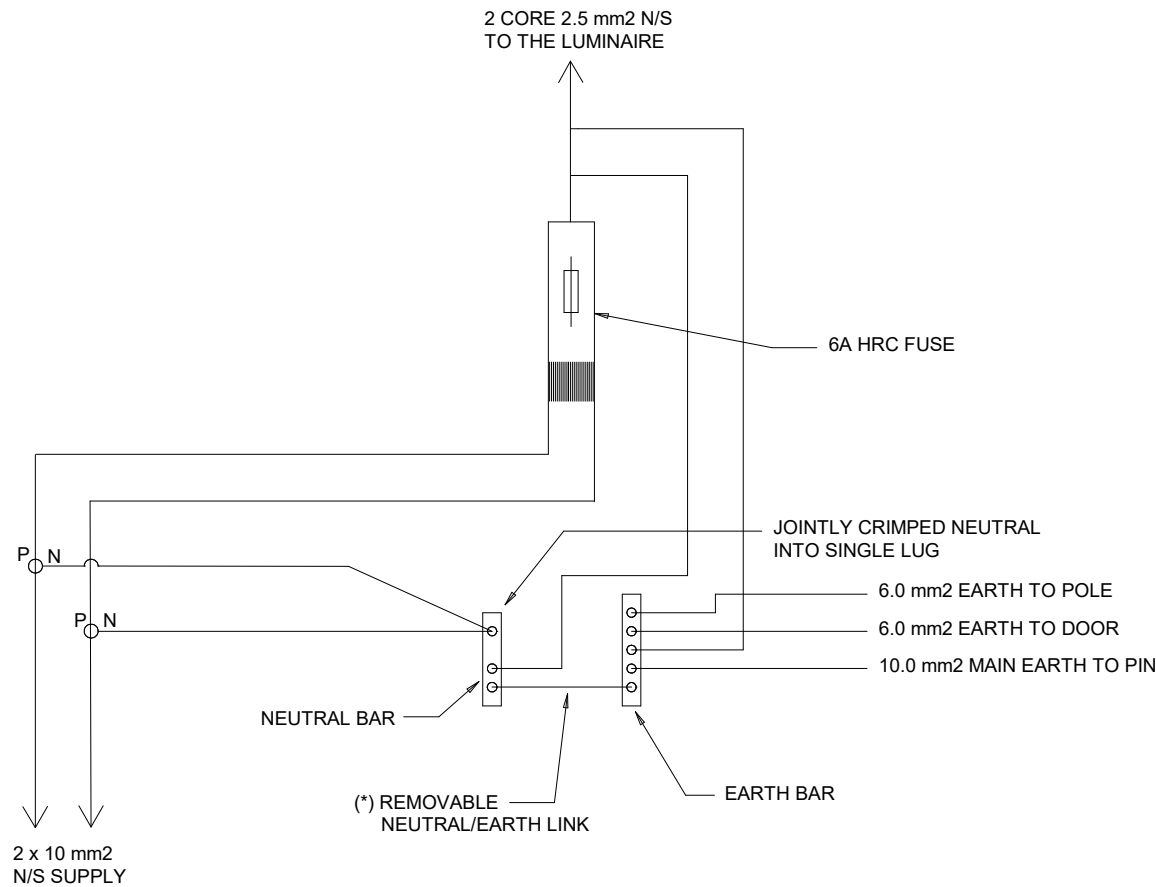
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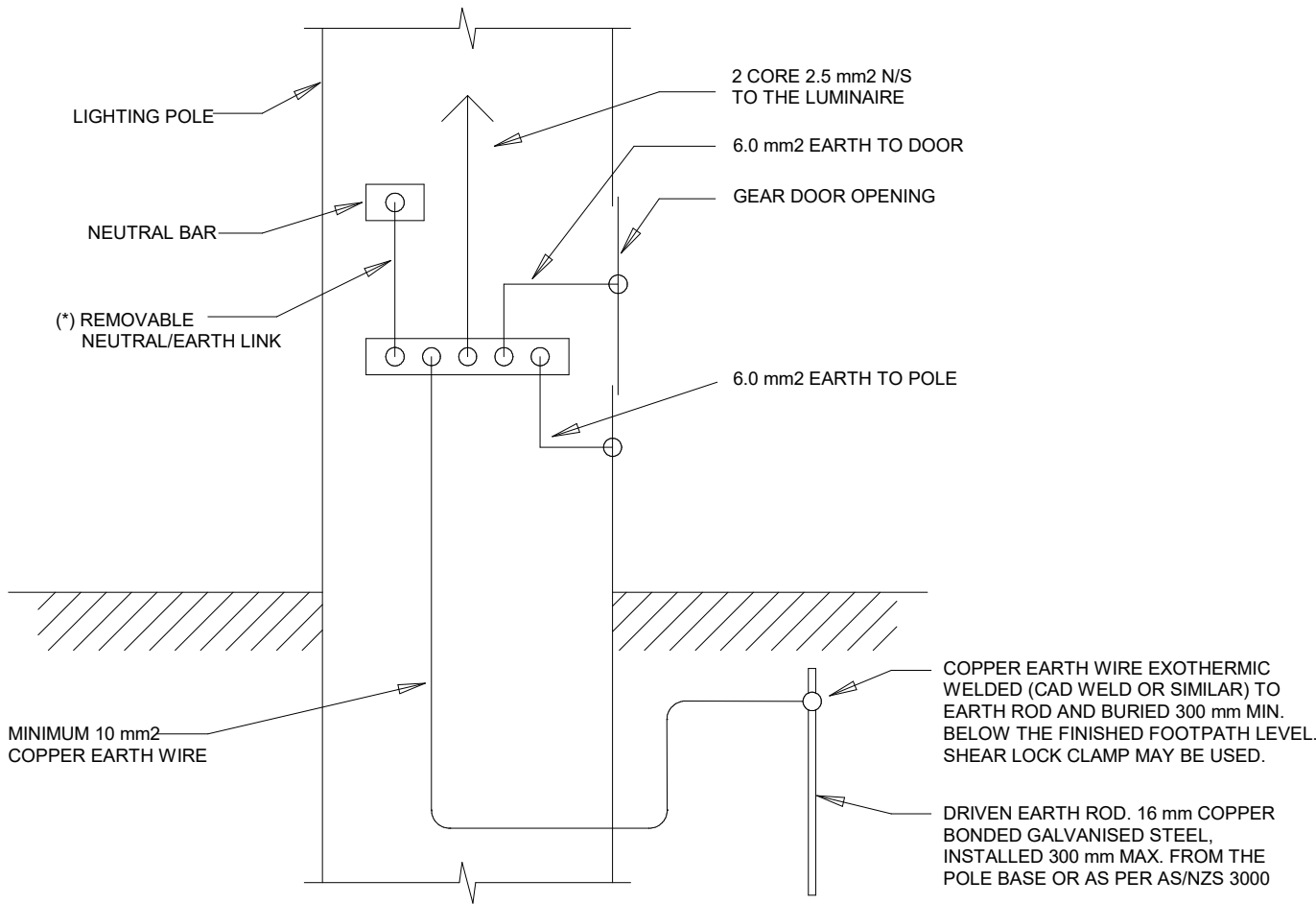
STATUS: **CONCEPT**

REV	NOTES	DATE
A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025



TYPICAL STREETLIGHTING POLE ELECTRICAL CONNECTIONS

NOTE: (*) DELETE THE MEN LINK WHERE THE SUPPLY CIRCUIT ORIGINATES FROM A LINKED BUS BAR SWITCHBOARD



TYPICAL POLE EARTHING DETAIL

NOTE: (*) DELETE THE MEN LINK WHERE THE SUPPLY CIRCUIT ORIGINATES FROM A LINKED BUS BAR SWITCHBOARD

PROJECT ASHBOURNE RETIREMENT VILLAGE			
DRAWING ELECTRICAL CONNECTIONS (TYPICAL)			
SCALE @ A3 N.T.S.	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA
PROJECT NUMBER 25-0075	DRAWING NUMBER E060	REVISION A	

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SAFETY-IN-DESIGN REGISTER WILL BE COMPLETED DURING DETAILED DESIGN PHASE

PROJECT ASHBOURNE RETIREMENT VILLAGE				THE VALUES SHOWN IN THIS REPORT ARE THE RESULT OF PRECISION CALCULATIONS. IN PRACTICE THE VALUES MAY VARY DUE TO TOLERANCE ON LUMINAIRES, LUMINAIRE POSITIONING, SURFACE FINISHES AND ELECTRICAL SUPPLY. THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO NORWICH GROUP LTD.	CLIENT	<div><div></div><div>HPA</div></div> <div>DEFINE DESIGN DELIVER</div>	DESIGN BY <div>NORWICH GROUP</div>	STATUS: <div>CONCEPT</div>		
DRAWING SAFETY-IN-DESIGN REGISTER								REV	NOTES	DATE
SCALE @ A3 N.T.S.	DESIGNED BY GU	CHECKED BY MLB	APPROVED BY JA					A	CONCEPT DESIGN FOR DISCUSSION PURPOSES	14-04-2025
PROJECT NUMBER 25-0075	DRAWING NUMBER E070		REVISION A							