SITE LOCATION MAP

SCALE 1:10560

NOTES:

SITE BOUNDARY

EXISTING WAYLEAVES

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MAP DETAILS

ITM CENTRE PT. COORDS.

566519,574820

DESCRIPTION

MAP SHEETS

6 inch
CK063 CK074

Produced by National Map Services,
Unit 7, South Ring Business Park,
Kinsale Road,
Co. Cork
On behalf of Ordnance Survey Ireland,
Phoenix Park, Dublin 8.

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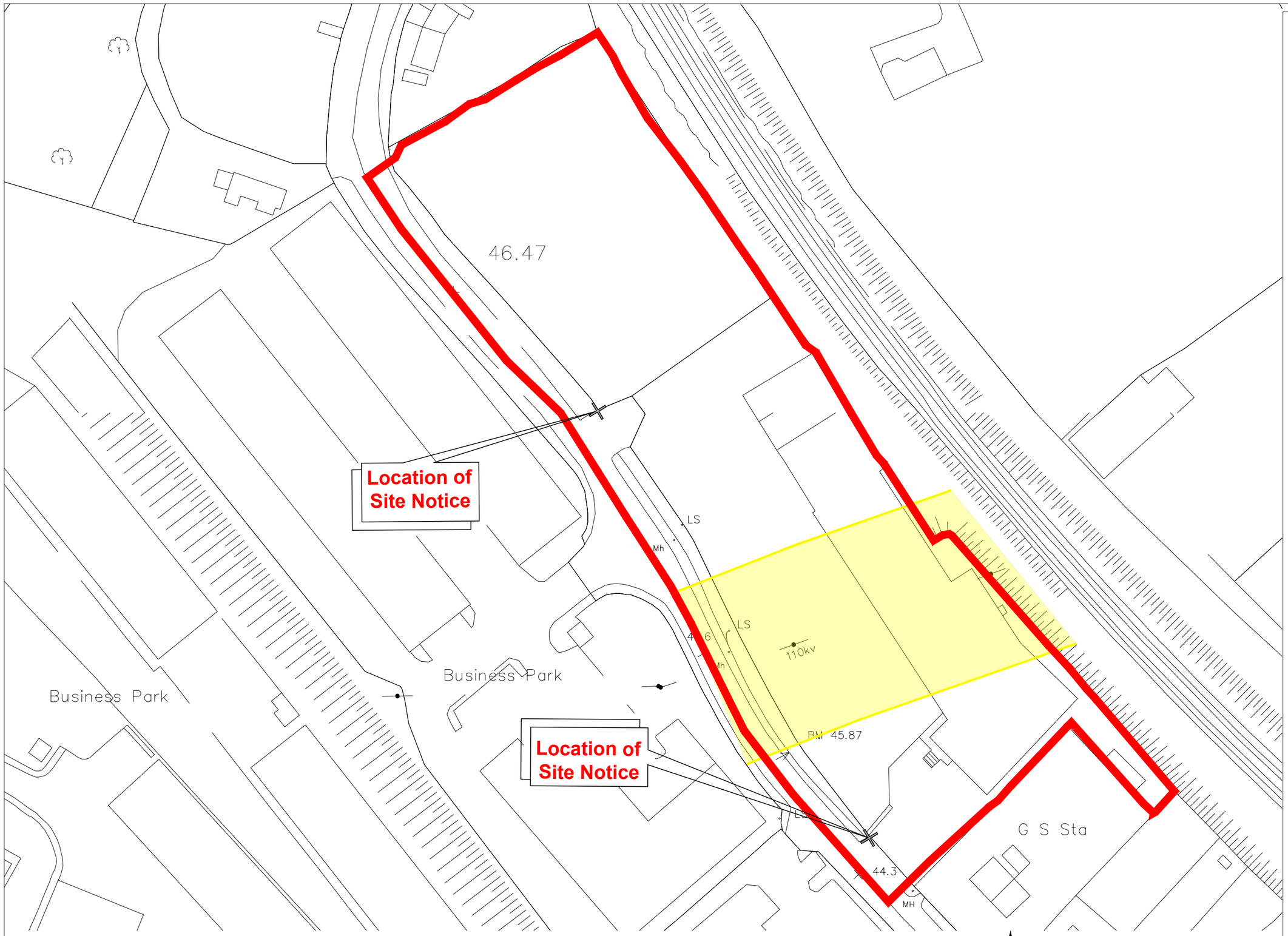
No.	Revision/Issue	Date
P3	ISSUE FOR PLANNING	14.01.20

Project Name and Address
SITE
OLD MALLOW ROAD,
BLACKPOOL,
CO.CORK.

Drawing Title 17079	Date 14.01.20
Drawing No. 17079_P_001	Drawn PL
Scale 1:10560@A3	Sheet No. 1/1



SITE LOCATION MAP

SCALE 1:1000

NOTES:

SITE BOUNDARY

EXISTING WAYLEAVES

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MAP DETAILS

ITM CENTRE PT. COORDS.

566519,574820

DESCRIPTION

MAP SHEETS

1:1000
6337-13 6337-14

1:2500
6337-B

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No.	Revision/Issue	Date
P3	ISSUE FOR PLANNING	14.01.20

Project Name and Address
SITE
OLD MALLOW ROAD,
BLACKPOOL,
CO.CORK.

Drawing Title: 17079	Date: 18.10.19
Drawing No.: 17079_P_002	Drawn: LM
Scale: 1:1000@A3	Sheet No.: 1/1

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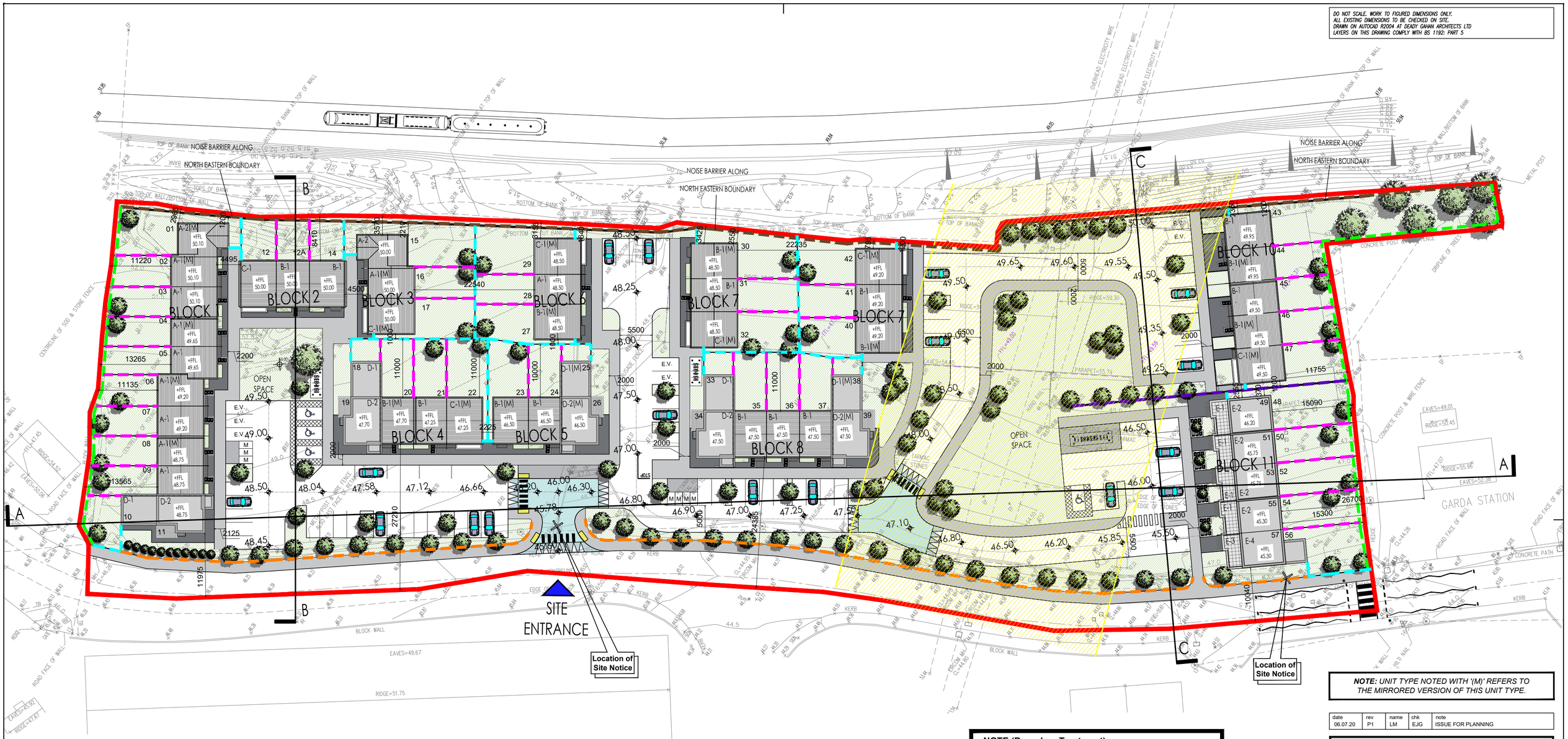
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

SHEDULE OF UNITS		
HOUSE TYPE	NO OF BEDS	NO OF UNITS
A-1	2 BED	10
A-2	2 BED	2
B-1	3 BED	18
C-1	3 BED	7
D-1	2 BED	5
D-2	2 BED	5
E-1	1 BED	4
E-2	2 BED	4
E-3	2 BED	1
E-4	2 BED	1
	TOTAL UNITS	57

BEDS PER UNIT	NO OF UNITS
1 BED	4
2 BED	28
3 BED	25
TOTAL	57

AREA CALCULATIONS		
	HECTARES	ACRES
SITE AREA	1.68	4.15
DEVELOPABLE AREA	1.5	3.7
(DEVELOPABLE AREA = SITE AREA MINUS PUBLIC ROAD & FOOTPATH)		
OPEN AREA(PERCENT)	0.18(12%)	0.44(12%)
TOTAL RESIDENTIAL UNITS	57	
	UNITS/HECTARE	UNITS/ACRE
DENSITY (UNITS)	(57 UNITS ÷ 1.5) 38.0	15.4

NOTE (Boundary Treatment):

- Proposed 2m high concrete block wall with PCC capping - wall rendered on sides facing public areas
- Proposed 2m high concrete post and infill timber panels
- Existing boundary to be retained and supplemented to provide a 2m boundary where required
- Proposed 1.1m high rendered block wall with 700mm railing above
- Proposed noise barrier along the north eastern boundary. Sections of wall become retaining where required. Please refer to engineers drawings for details.
- Retaining wall with railing above. Please refer to engineers drawings for details

KEY:

- SITE BOUNDARY
- EXISTING WAYLEAVE

PROPOSED SITE PLAN

SCALE 1:500 @ A2

date	rev	name	chk	note
06.07.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
RESIDENTIAL DEVELOPMENT AT
OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
PROPOSED SITE PLAN

Scale	Drawn	Checked	Date
1:500 @ A2	VB	EJG	26.09.18

Project No.	Drg. No.	Revision
17079	17079/P/003	P1

☐ Information \ Comments — Tender ☐
☐ Planning — Construction ☐

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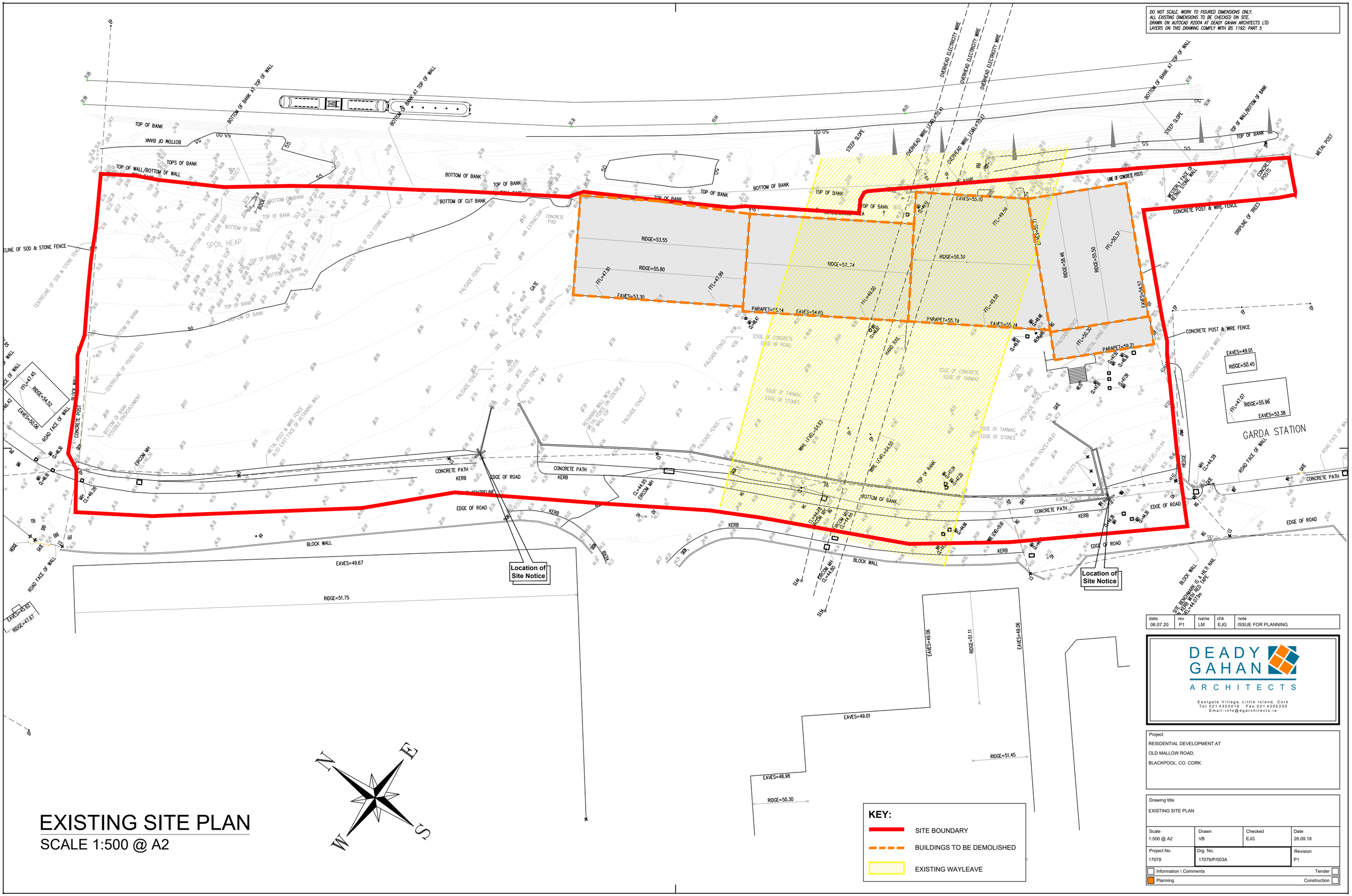
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



EXISTING SITE PLAN

SCALE 1:500 @ A2

KEY:

- SITE BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- EXISTING WAYLEAVE

date	rev	name	chk	note
06.07.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

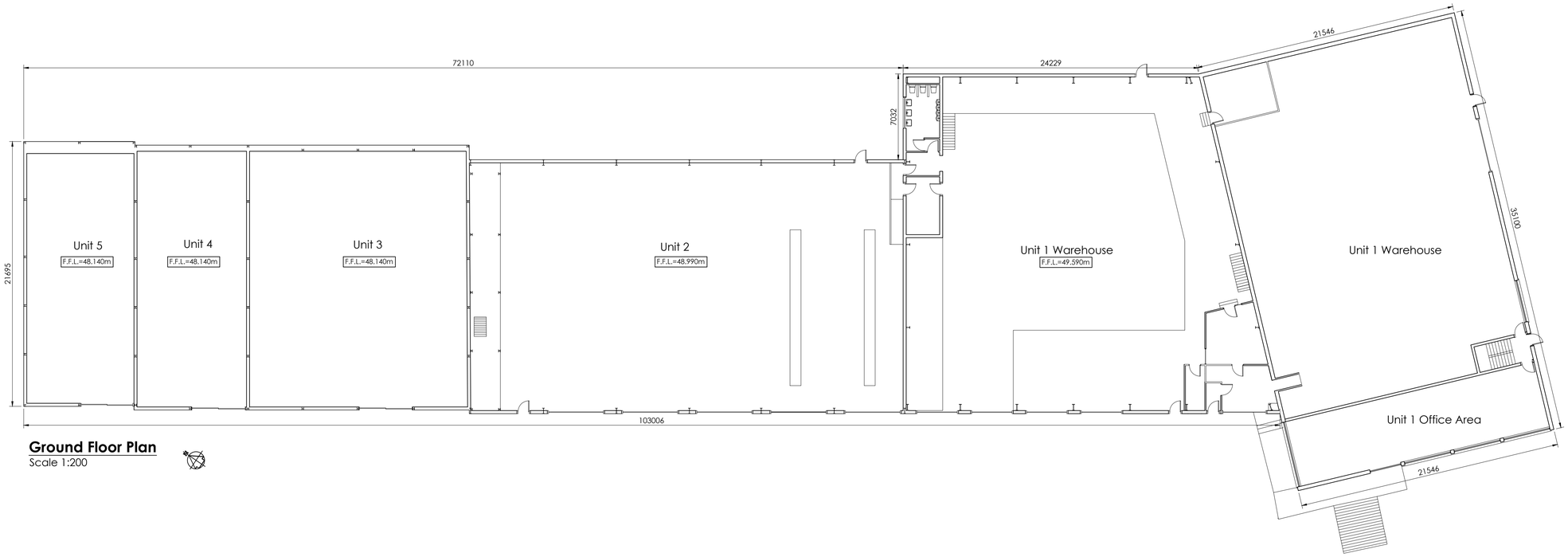
Project
RESIDENTIAL DEVELOPMENT AT
OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
EXISTING SITE PLAN

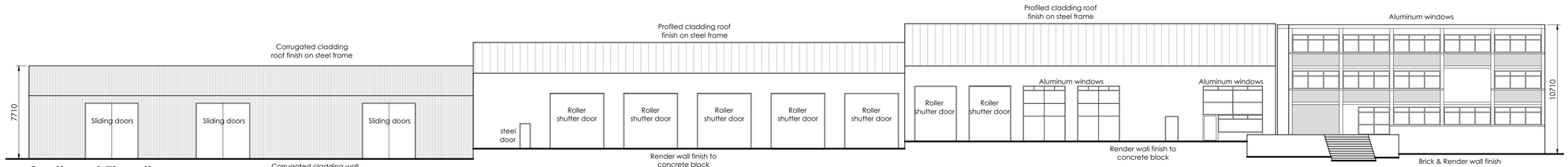
Scale	Drawn	Checked	Date
1:500 @ A2	VB	EJG	26.09.18

Project No.	Drg. No.	Revision
17079	17079/P/003A	P1

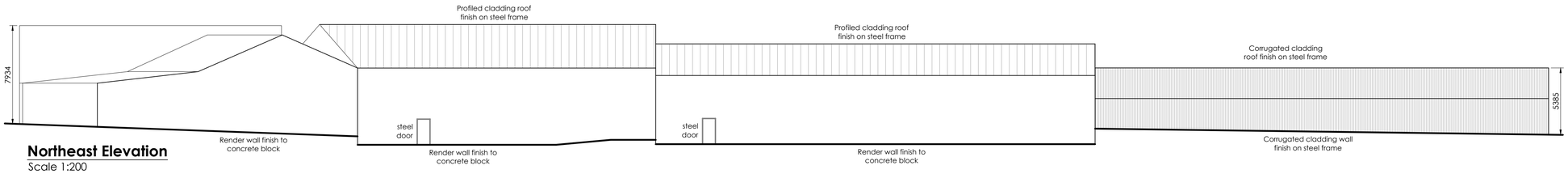
☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction



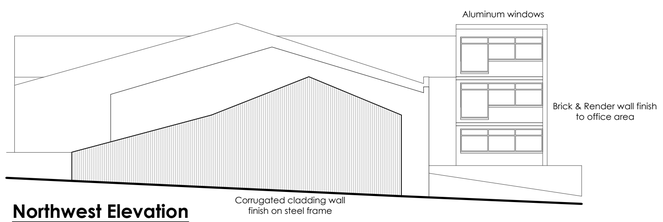
Ground Floor Plan
Scale 1:200



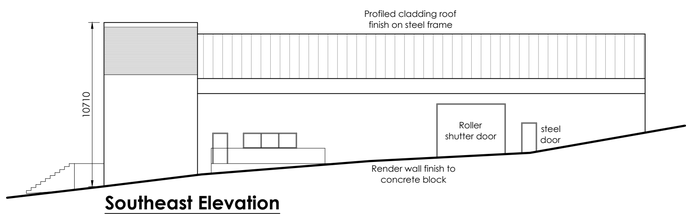
Southwest Elevation
Scale 1:200



Northeast Elevation
Scale 1:200



Northwest Elevation
Scale 1:200



Southeast Elevation
Scale 1:200

DOSA
DENIS O'SULLIVAN & ASSOCIATES
CONSULTING ENGINEERS

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
A	S.B.	S.O'G	C.O'S.	07.07.20	Issued for information

CLIENT: Ceiling & Allied Services Ltd. and Murnane & O'Shea Ltd.

DRAWING TITLE: Plan & Elevations - Demolition Works.

PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

SHEET: A1

SCALE: 1:200

PROJECT NO. 4828 _ DRAWING NO. 4400 _ STATUS/ISSUE A

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LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

KEY:

- SITE BOUNDARY
- PROPOSED TREES
- PROPOSED GRASS
- PROPOSED CONCRETE FOOTPATH
- EXISTING WAYLEAVE

NOTE (Boundary Treatment):

- Proposed 2m high concrete block wall with PCC capping - wall rendered on sides facing public areas
- Proposed 2m high concrete post and infill timber panels
- Existing boundary to be retained and supplemented to provide a 2m boundary where required
- Proposed 1.1m high rendered block wall with 700mm railing above
- Proposed noise barrier along the north eastern boundary. Sections of wall become retaining where required. Please refer to engineers drawings for details.
- Retaining wall with railing above. Please refer to engineers drawings for details

PROPOSED LANDSCAPE PLAN
SCALE 1:500 @ A2

PLANTING LIST

TREES

PROPOSED BOUNDARY TREE PLANTING

Plant Name	Girth cm	Height	
Acer campestre	10 - 12	3 - 3.6m	Root Balled
Alnus glutinosa	10 - 12	3 - 3.6m	Root Balled
Betula pendula	10 - 12	3 - 3.6m	Root Balled
Corylus avellana	10 - 12	3 - 3.6m	Root Balled
Crataegus monogyna	10 - 12	3 - 3.6m	Root Balled
Ilex aquifolium	10 - 12	3 - 3.6m	Root Balled
Malus sylvestris	10 - 12	3 - 3.6m	Root Balled
Salix caprea	10 - 12	3 - 3.6m	Root Balled
Sorbus aucuparia	10 - 12	3 - 3.6m	Root Balled

PROPOSED TREE PLANTING

Plant Name	Girth cm	Height	
Betula pendula	16 -18	5.5 m	Root Balled
Betula utilis jacquemontii	16 -18	5.5 m	Root Balled
Carpinus betulus	16 -18	5.5 m	Root Balled
Sorbus aria	16 -18	5.5 m	Root Balled
Sorbus aucuparia	16 -18	5.5 m	Root Balled
Tilia cordata	16 -18	5.5 m	Root Balled
Pinus sylvestris	16 -18	5.5 m	Container
Prunus avium	16 -18	5.5 m	Root Balled

PROPOSED SPECIMEN TREE PLANTING

Plant Name	Girth cm	Height	
Quercus robur	20 - 25 cm	5.5 m	Root Balled

PROPOSED UNDERSTOREY SEMI NATIVE WHIP PLANTING

Plant Name	Age	Height
Corylus avellera	1 + 0	60 - 90 cm
Ilex aquifolium	3L	40 - 60 cm
Cornus spp	1 + 1	40 - 60 cm
Rosa rugosa	1 + 1	40 - 60 cm
Prunus spinosa	1 + 0	60 - 90 cm
Viburnum opulus	1 + 1	40 - 60 cm
Crataegus monogyna	1 + 0	60 - 90 cm
Symphoricarpos x 'Chenantii 'Hancock'	0 + 1	40 - 60 cm

PROPOSED LOW SHRUB MIX

Plant Name	Height	Pot size
Cornus spp	1 + 1	40 - 60 cm
Rosa rugosa	1 + 1	40 - 60 cm
Prunus spinosa	1 + 0	60 - 90 cm
Viburnum opulus	1 + 1	40 - 60 cm

*** Note - The plant material must be acclimatised to regional conditions & locally established stock.**

***NOTE:** UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
06.07.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
RESIDENTIAL DEVELOPMENT AT
OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
PROPOSED LANDSCAPE PLAN

Scale	Drawn	Checked	Date
1:500 @ A2	PL	EJG	20.01.20

Project No.	Drg. No.	Revision
17079	17079/P/004	P1

☐ Information \ Comments — Tender ☐
☐ Planning — Construction ☐

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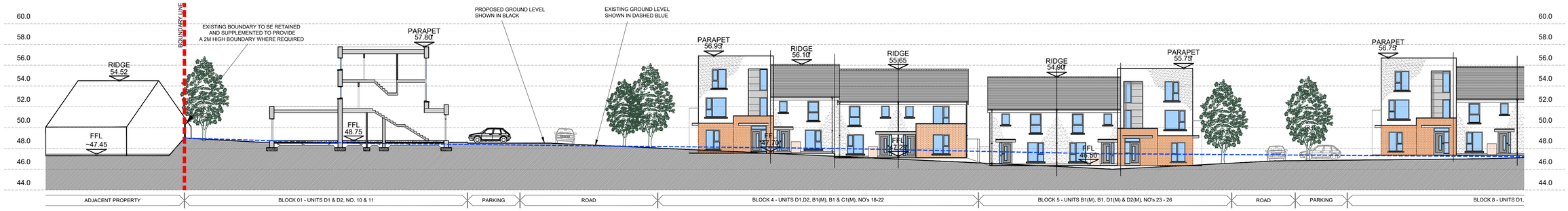
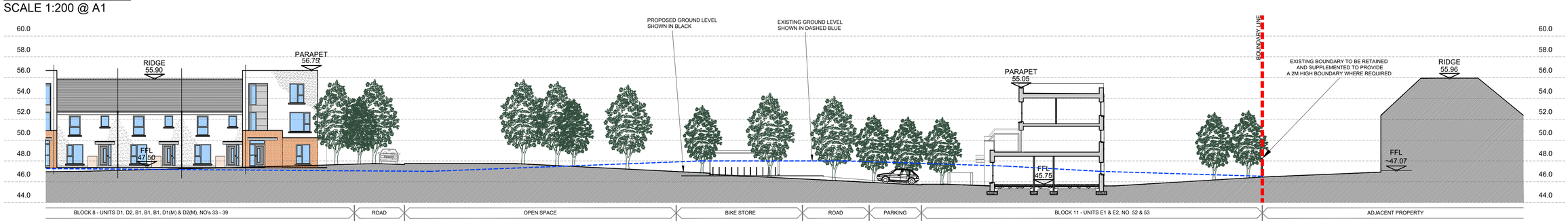
SECTION A-A (PART A)

SECTION A-A (PART B)

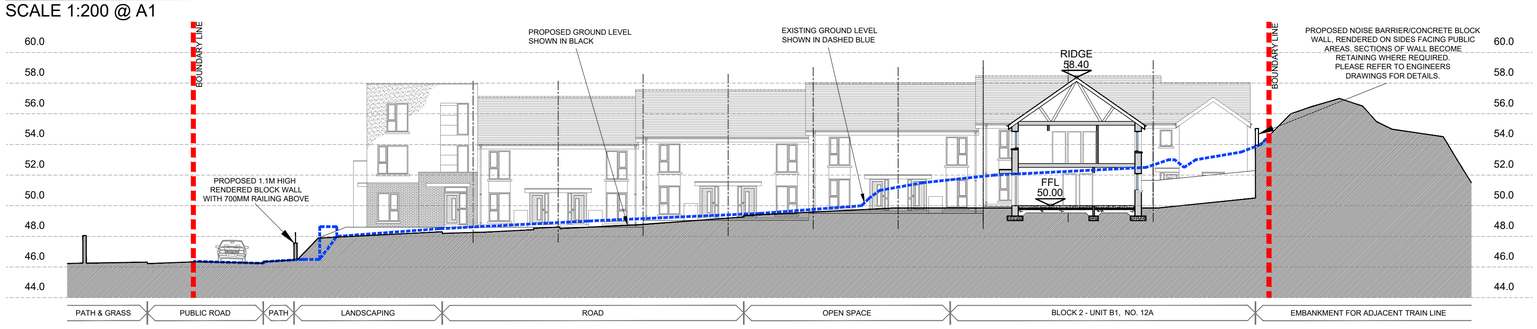
SECTION A-A KEY SECTION
SCALE 1:500 @ A1



SECTION A-A (PART A)
SCALE 1:200 @ A1

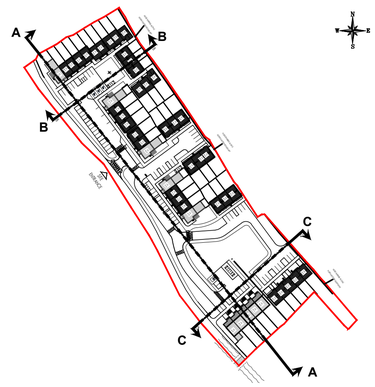


SECTION A-A (PART B)
SCALE 1:200 @ A1



SECTION B-B
SCALE 1:200 @ A1

SECTION C-C
SCALE 1:200 @ A1



SECTIONS KEY PLAN
SCALE 1:2000 @ A1

***NOTE:** UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
06.07.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 . Fax: 021 4355330
Email: info@dgarchitects.ie

Project
RESIDENTIAL DEVELOPMENT AT
OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
PROPOSED SITE SECTIONS

Scale	Drawn	Checked	Date
1:200 @A1	PL	EJG	10.01.20

Project No.	Drg. No.	Revision
17079	17079/P/005	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

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Schedule of Accommodation and Housing Quality Assessment

DEADY GAHAN ARCHITECTS

UNIT NO.	UNIT TYPE	DESCRIPTION	BED SPACES	ASPECT	UNIT AREA (m^2)	AGG. LIVING AREA (m^2)	BED 1 (m^2)	BED 2 (m^2)	BED 3 (m^2)	AGG. BED AREA (m^2)	STORAGE (m^2)	PRIVATE AMENITY SPACE (m^2)
1	A2(M)	2 Bedroom Townhouse	4	3	85.5	30.1	14.9	11.4	/	26.3	8.4	117.7
2	A1(M)	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	61
3	A1	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	62.4
4	A1(M)	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	65.6
5	A1	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	63.9
6	A1(M)	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	60.8
7	A1	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	64.7
8	A1(M)	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	65.5
9	A1	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	67.1
10	D1	2 Bedroom Apartment	4	3	81.7	30.6	13.8	11.5	/	25.3	6.9	62
11	D2	2 Bedroom Duplex Apartment	4	3	88.9	30.6	13.8	12	/	25.8	6.1	7
12	C1	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	55.5
12A	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	51.6
14	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	54.4
15	A2	2 Bedroom Townhouse	4	3	85.5	30.1	14.9	11.4	/	26.3	8.4	131.9
16	A1(M)	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	65.4
17	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	90.4
18	D1	2 Bedroom Apartment	4	3	81.7	30.6	13.8	11.5	/	25.3	6.9	22.9
19	D2	2 Bedroom Duplex Apartment	4	3	88.9	30.6	13.8	12	/	25.8	6.1	7
20	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	64.4
21	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	66.4
22	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	92.6
23	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	85
24	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	58.2
25	D1(M)	2 Bedroom Apartment	4	3	81.7	30.6	13.8	11.5	/	25.3	6.9	17.2
26	D2(M)	2 Bedroom Duplex Apartment	4	3	88.9	30.6	13.8	12	/	25.8	6.1	7

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
SCHEDULE OF ACCOMMODATION & HOUSING QUALITY ASSESSMENT
PART A

Scale	Drawn	Checked	Date
NTS @ A3	PL	EJG	13.01.20

Project No.	Drg. No.	Revision
17079	17079/P/006A	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

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LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

DEADY GAHAN ARCHITECTS

Schedule of Accommodation and Housing Quality Assessment

UNIT NO.	UNIT TYPE	DESCRIPTION	BED SPACES	ASPECT	UNIT AREA (m^2)	AGG. LIVING AREA (m^2)	BED 1 (m^2)	BED 2 (m^2)	BED 3 (m^2)	AGG. BED AREA (m^2)	STORAGE (m^2)	PRIVATE AMENITY SPACE (m^2)
27	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	81.8
28	A1	2 Bedroom Townhouse	4	2	80.8	31.9	13.9	11.5	/	25.4	4.2	60.8
29	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	109.0
30	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	108.3
31	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	69.2
32	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	91.3
33	D1	2 Bedroom Apartment	4	3	81.7	30.6	13.8	11.5	/	25.3	6.9	22.9
34	D2	2 Bedroom Duplex Apartment	4	3	88.9	30.6	13.8	12	/	25.8	6.1	7
35	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	64.5
36	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	66.4
37	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	61.5
38	D1(M)	2 Bedroom Apartment	4	3	81.7	30.6	13.8	11.5	/	25.3	6.9	17.4
39	D2(M)	2 Bedroom Duplex Apartment	4	3	88.9	30.6	13.8	12	/	25.8	6.1	7
40	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	75.4
41	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	64.9
42	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	93.1
43	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	319.4
44	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	56.3
45	B1	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	59.4
46	B1(M)	3 Bedroom Townhouse	4	2	90.0	30.7	13.0	10.5	7.1	30.6	5.7	62.5
47	C1(M)	3 Bedroom Townhouse	5	3	95.9	34.8	14.0	11.5	7.1	32.6	5.6	88.7
48	E1	1 Bedroom GF Apartment	2	2	54.5	24.9	12.8	/	/	12.8	3.9	121
49	E2	2 Bedroom Duplex Apartment	4	2	81.6	30.1	13.0	11.7	/	24.7	6.2	16.1
50	E1	1 Bedroom GF Apartment	2	2	54.5	24.9	12.8	/	/	12.8	3.9	87.8
51	E2	2 Bedroom Duplex Apartment	4	2	81.6	30.1	13.0	11.7	/	24.7	6.2	16.1
52	E1	1 Bedroom GF Apartment	2	2	54.5	24.9	12.8	/	/	12.8	3.9	88.2
53	E2	2 Bedroom Duplex Apartment	4	2	81.6	30.1	13.0	11.7	/	24.7	6.2	16.1
54	E1	1 Bedroom GF Apartment	2	2	54.5	24.9	12.8	/	/	12.8	3.9	88.7
55	E2	2 Bedroom Duplex Apartment	4	2	81.6	30.1	13.0	11.7	/	24.7	6.2	16.1
56	E3	2 Bedroom GF Apartment	3	3	69.0	28.3	13.6	7.1	/	20.7	5.0	104.3
57	E4	2 Bedroom Duplex Apartment	4	3	81.6	30.1	13.0	11.7	/	24.7	6.2	15.5

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD,
BLACKPOOL, CO. CORK

Drawing title
SCHEDULE OF ACCOMMODATION & HOUSING QUALITY ASSESSMENT
PART B

Scale	Drawn	Checked	Date
NTS @ A3	PL	EJG	13.01.20

Project No.	Drg. No.	Revision
17079	17079/P/006B	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 1

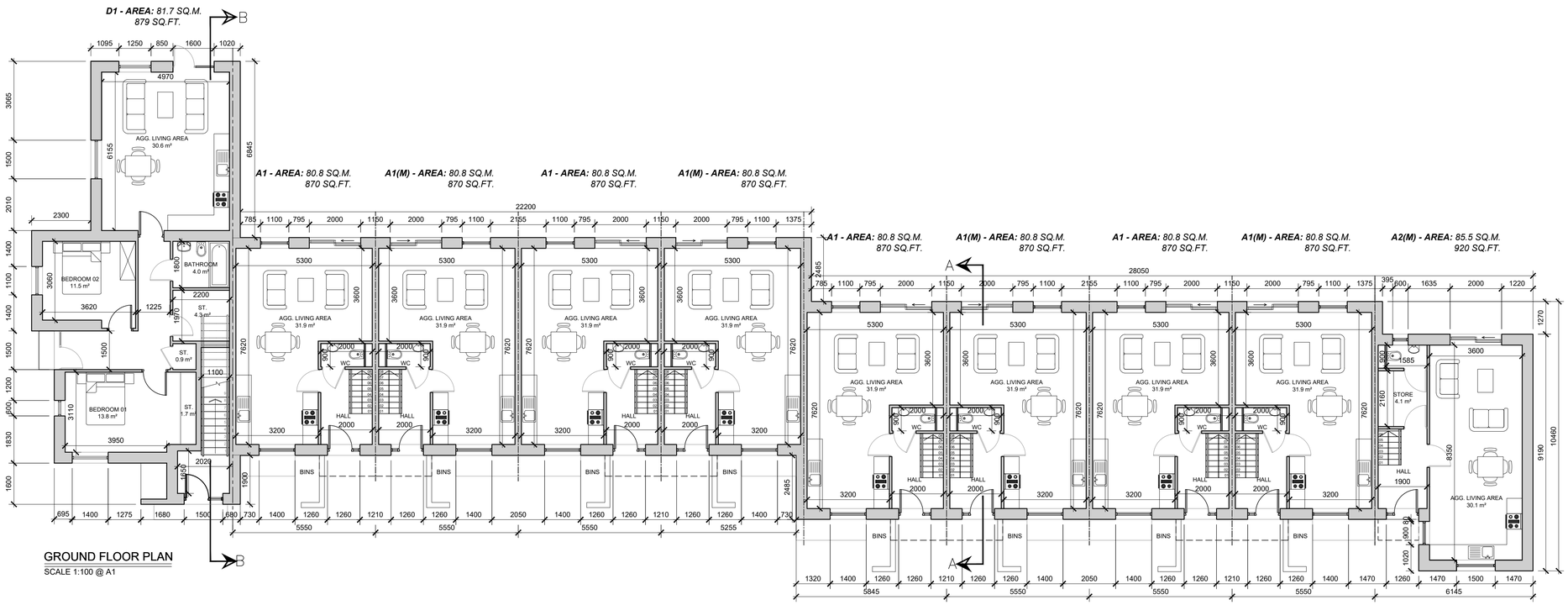
RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-100
DATE: 28.05.2020

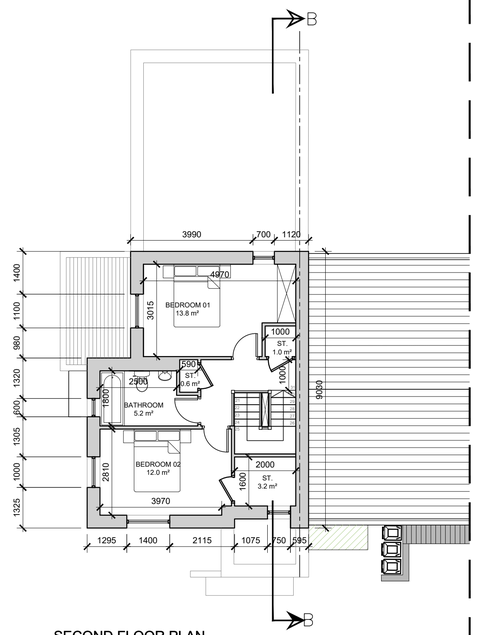
DEADY GAHAN
ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

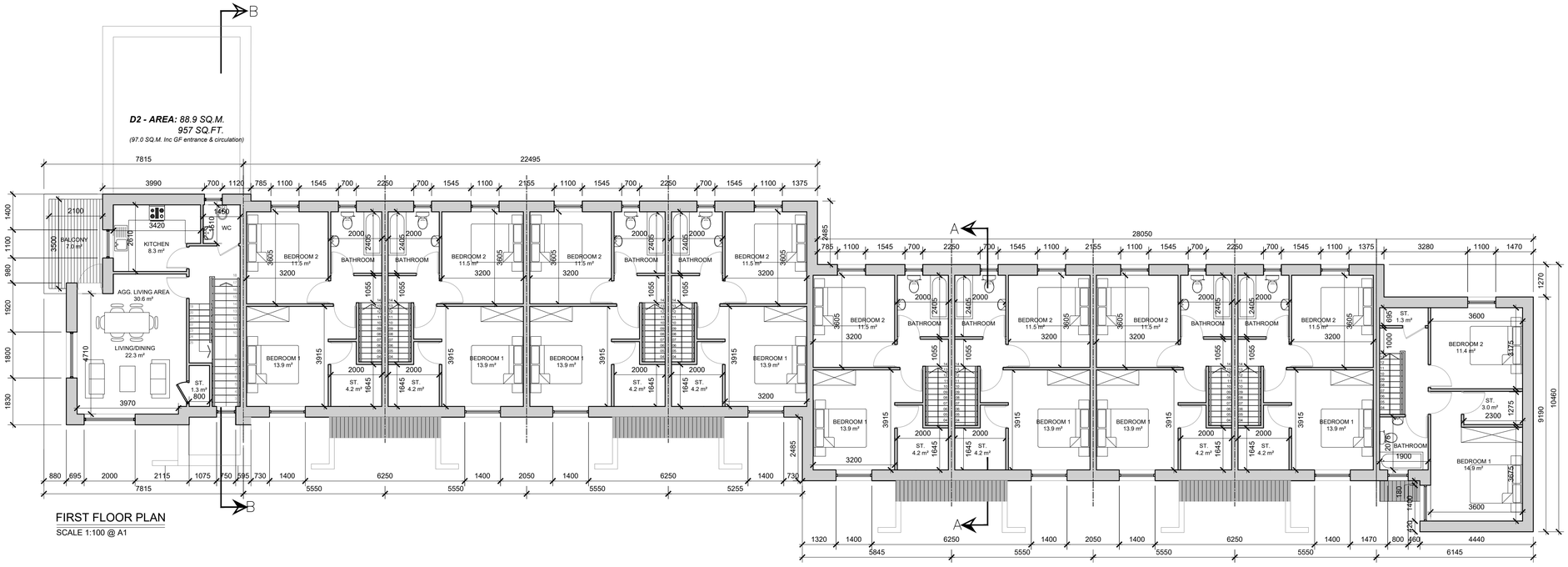
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



GROUND FLOOR PLAN
SCALE 1:100 @ A1

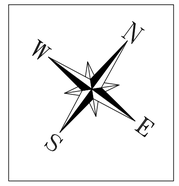


SECOND FLOOR PLAN
SCALE 1:100 @ A1



FIRST FLOOR PLAN
SCALE 1:100 @ A1

NOTE:
UNITS NO. 01 - 11 SHOWN
FFL's +48.75, +49.20, +49.65, +50.10



***NOTE:** UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 1
FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A1	PL	EJG	07.01.20

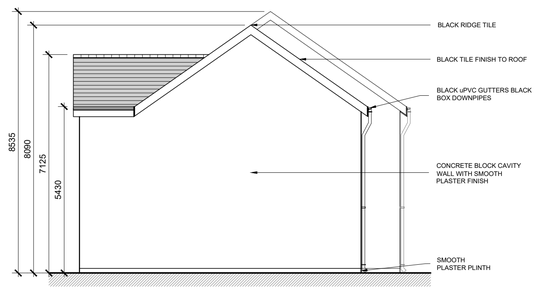
Project No.	Drg. No.	Revision
17079	17079/P/101	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

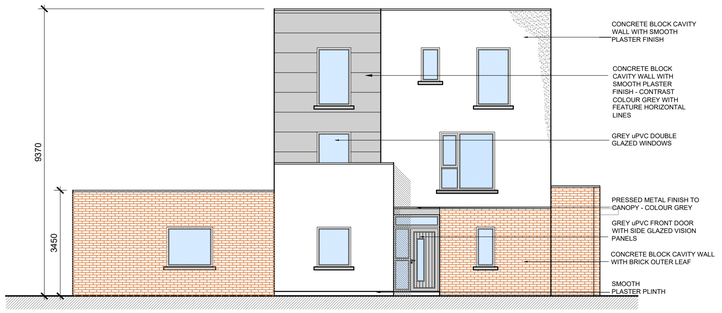
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION
SCALE 1:100 @ A1

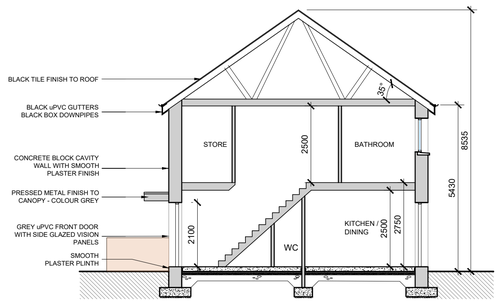
REAR ELEVATION
SCALE 1:100 @ A1



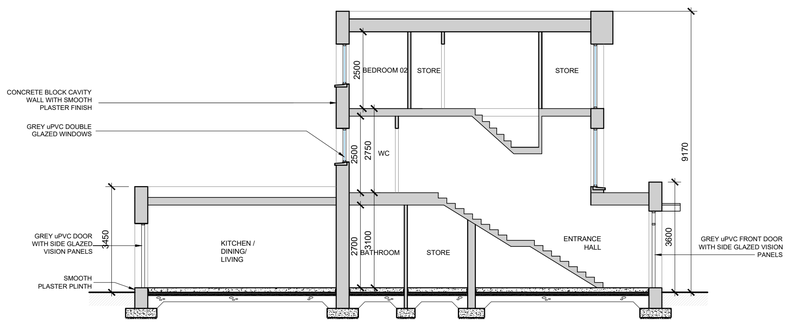
SIDE ELEVATION
SCALE 1:100 @ A1



SIDE ELEVATION
SCALE 1:100 @ A1



SECTION A-A
SCALE 1:100 @ A1



SECTION B-B
SCALE 1:100 @ A1

***NOTE:** UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 1
ELEVATIONS & SECTIONS

Scale	Drawn	Checked	Date
1/100 @ A1	PL	EJG	07.01.20

Project No.	Drg. No.	Revision
17079	17079/P/102	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

3D RENDER - BLOCK 2

RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-200
DATE: 19.05.2020

DEADY GAHAN ARCHITECTS

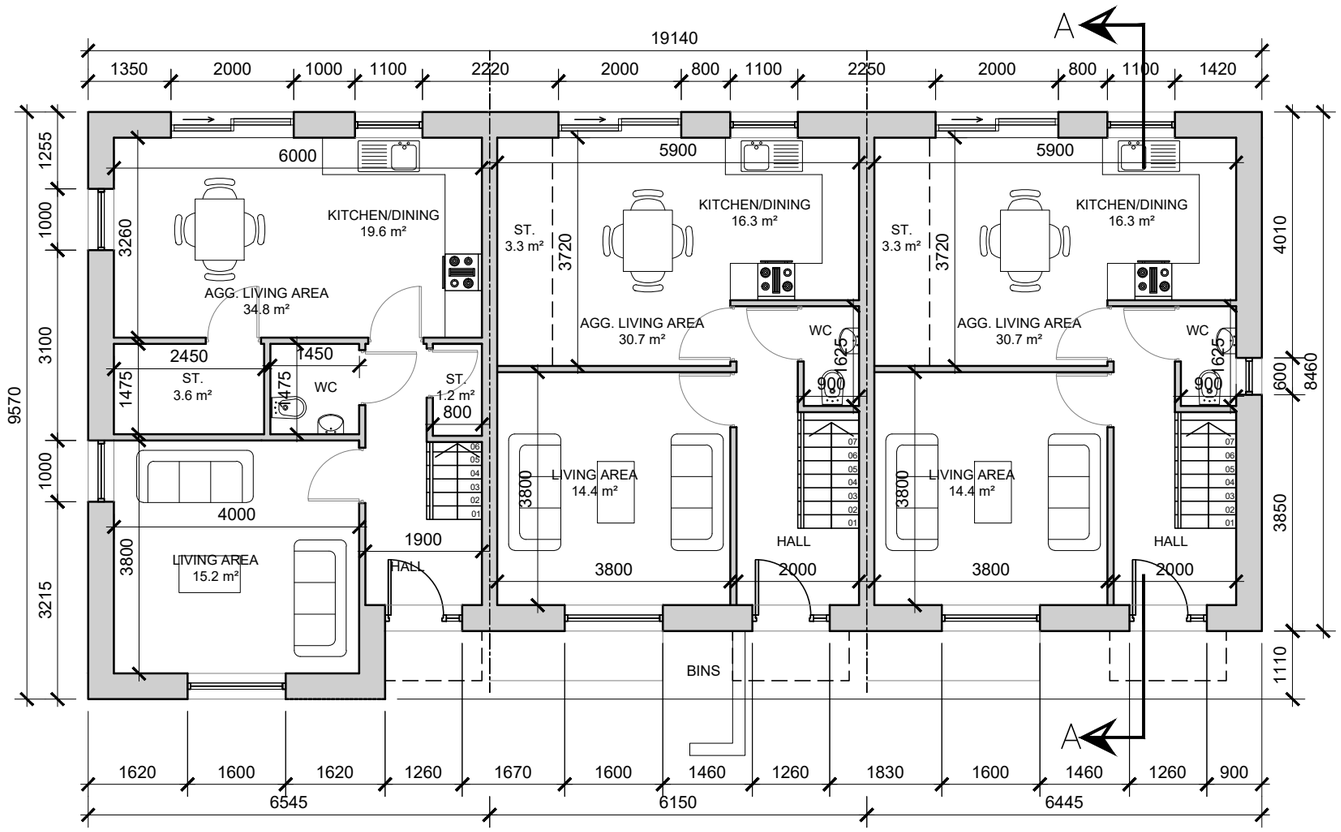
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

C1 - AREA: *95.9SQ.M.*
1032 FT.

B1 - AREA: *90.0 SQ.M.*
969 SQ.FT.

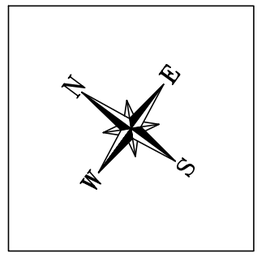
B1 - AREA: *90.0 SQ.M.*
969 SQ.FT.



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 12-14 SHOWN
FFL +50.00



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

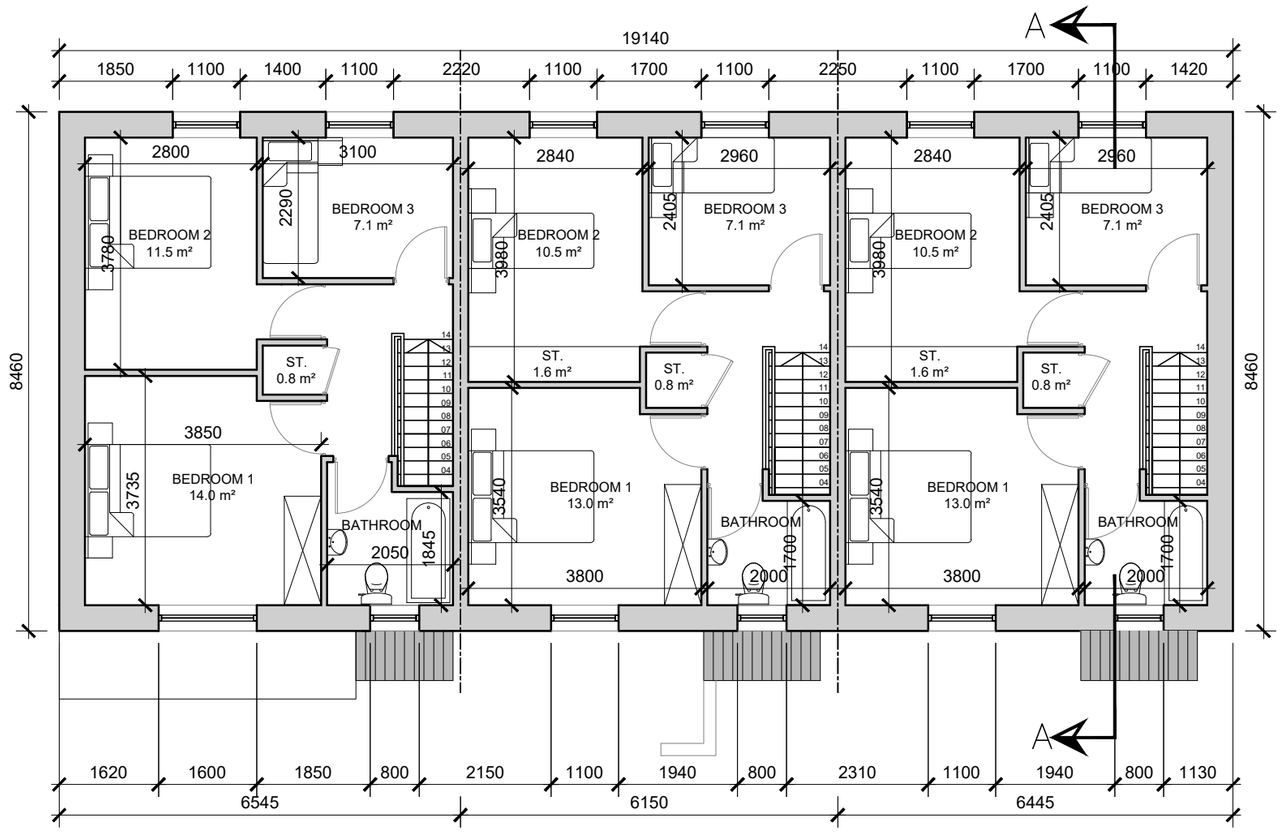
Drawing title
BLOCK 2
GROUND FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/201	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

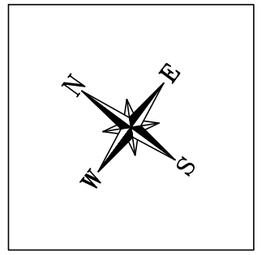
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 12-14 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

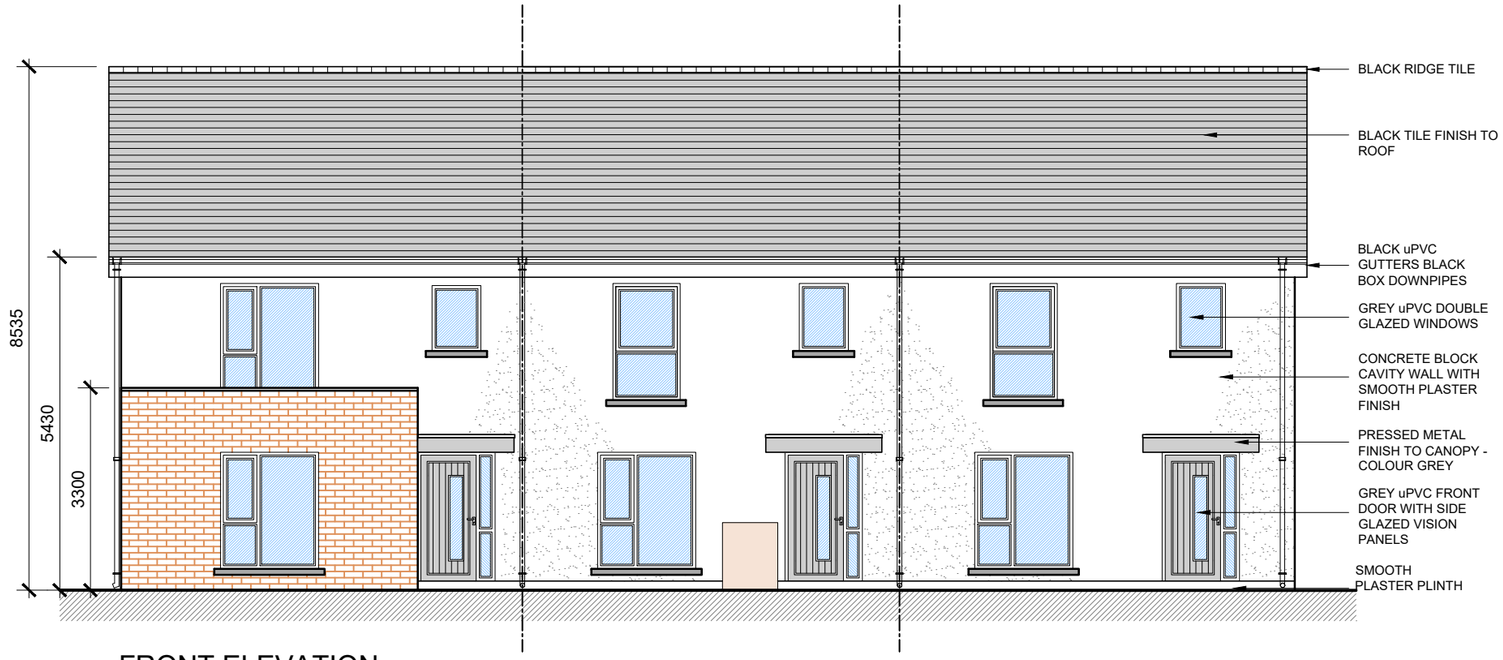
Drawing title
BLOCK 2
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/202	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FRONT ELEVATION

SCALE 1:100 @ A3

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

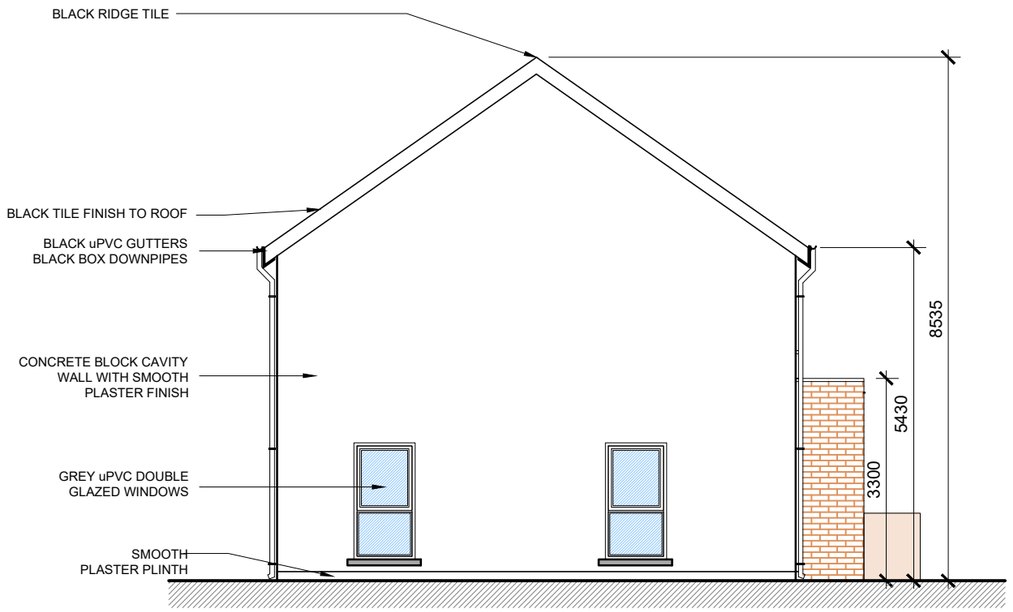
Drawing title
BLOCK 2
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/203	P1

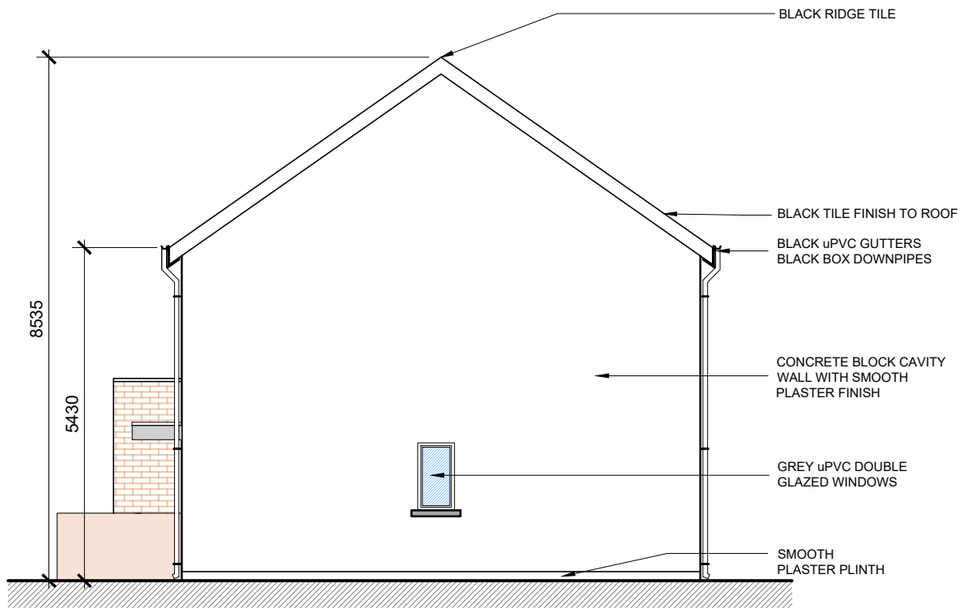
☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



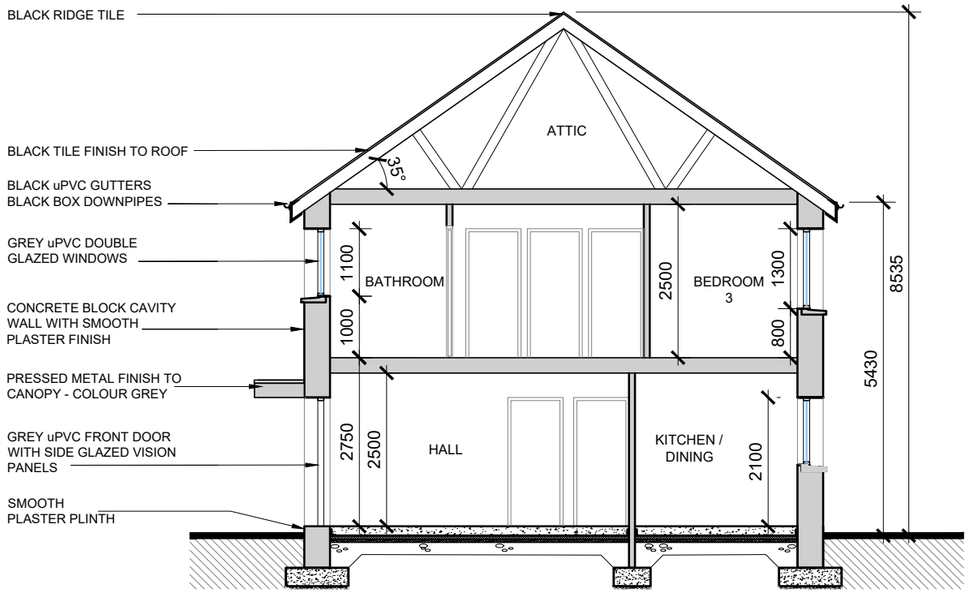
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 2
SIDE ELEVATIONS & SECTION

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/204	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-300
DATE: 19.05.2019

DEADY GAHAN
ARCHITECTS

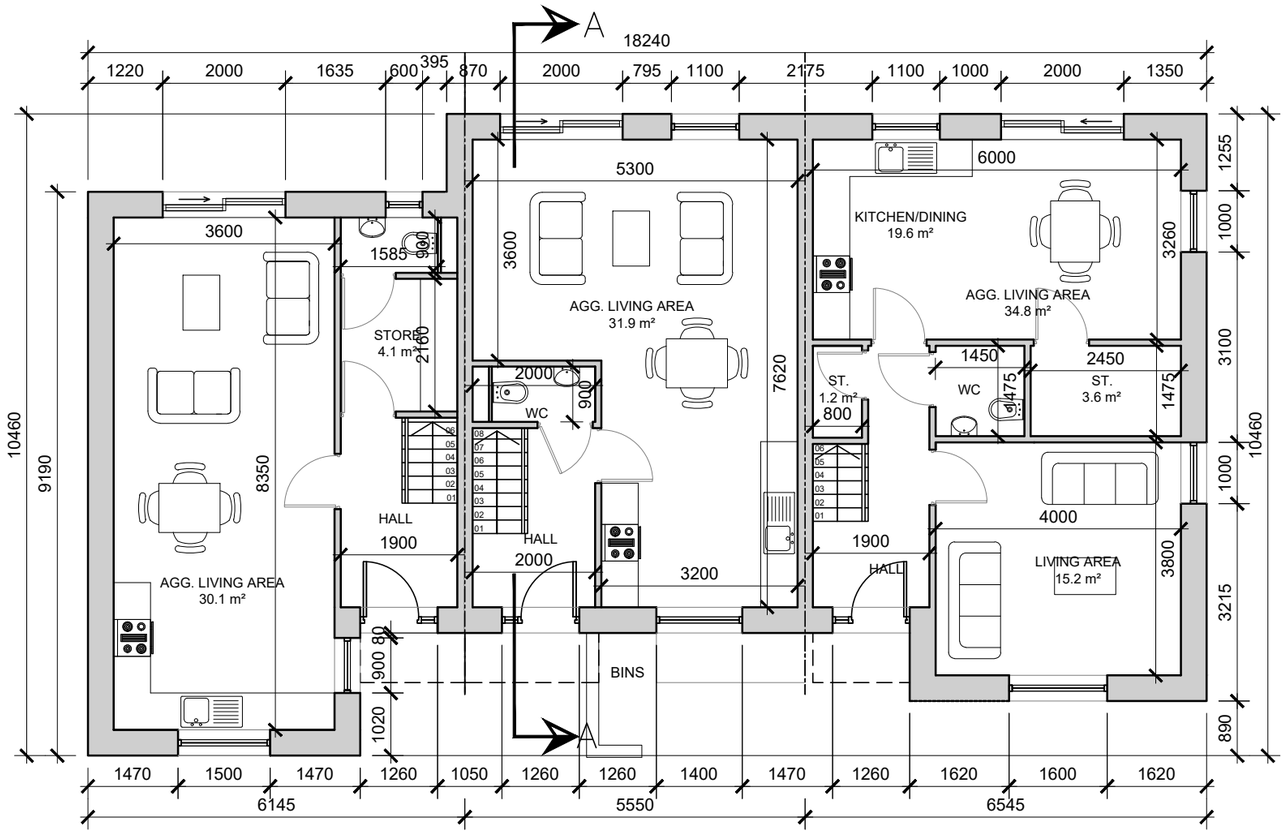
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

A2 - AREA: *85.5 SQ.M.*
920 SQ.FT.

A1(M) - AREA: *80.8 SQ.M.*
870 SQ.FT.

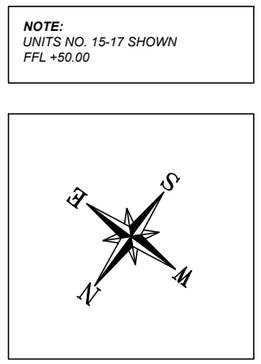
C1(M) - AREA: *95.9SQ.M.*
1032 FT.



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 15-17 SHOWN
FFL +50.00



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

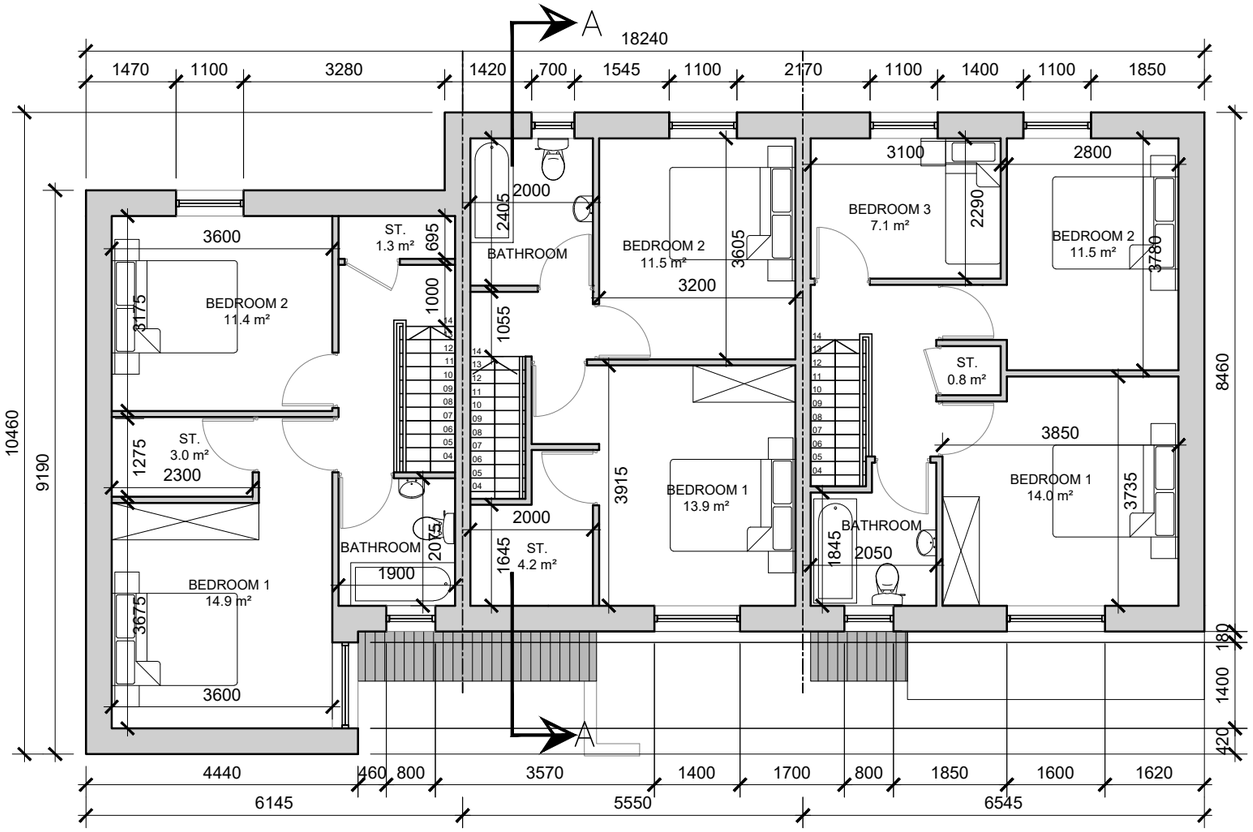
Drawing title
BLOCK 3
GROUND FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/301	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

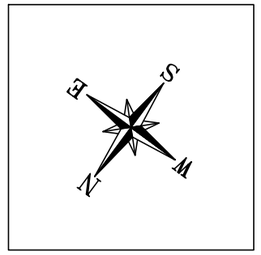
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 15-17 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 . Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

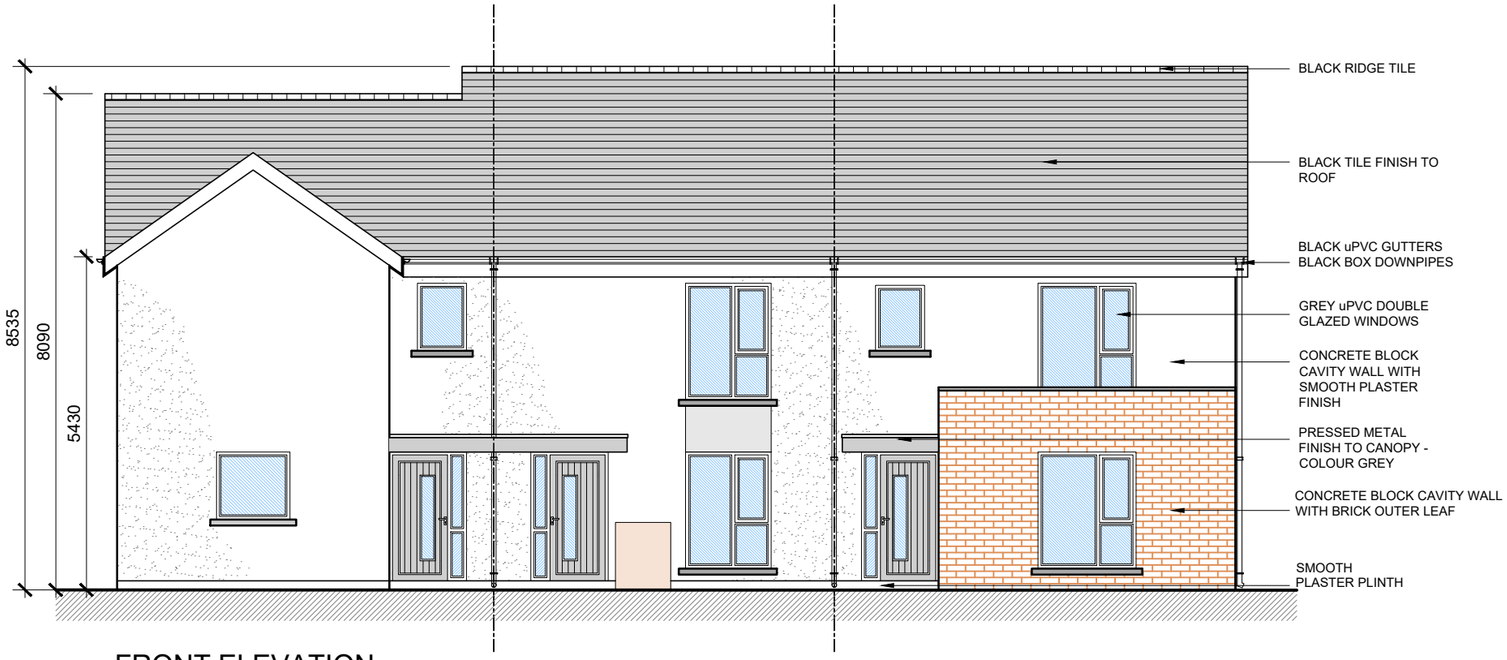
Drawing title
BLOCK 3
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/302	P1

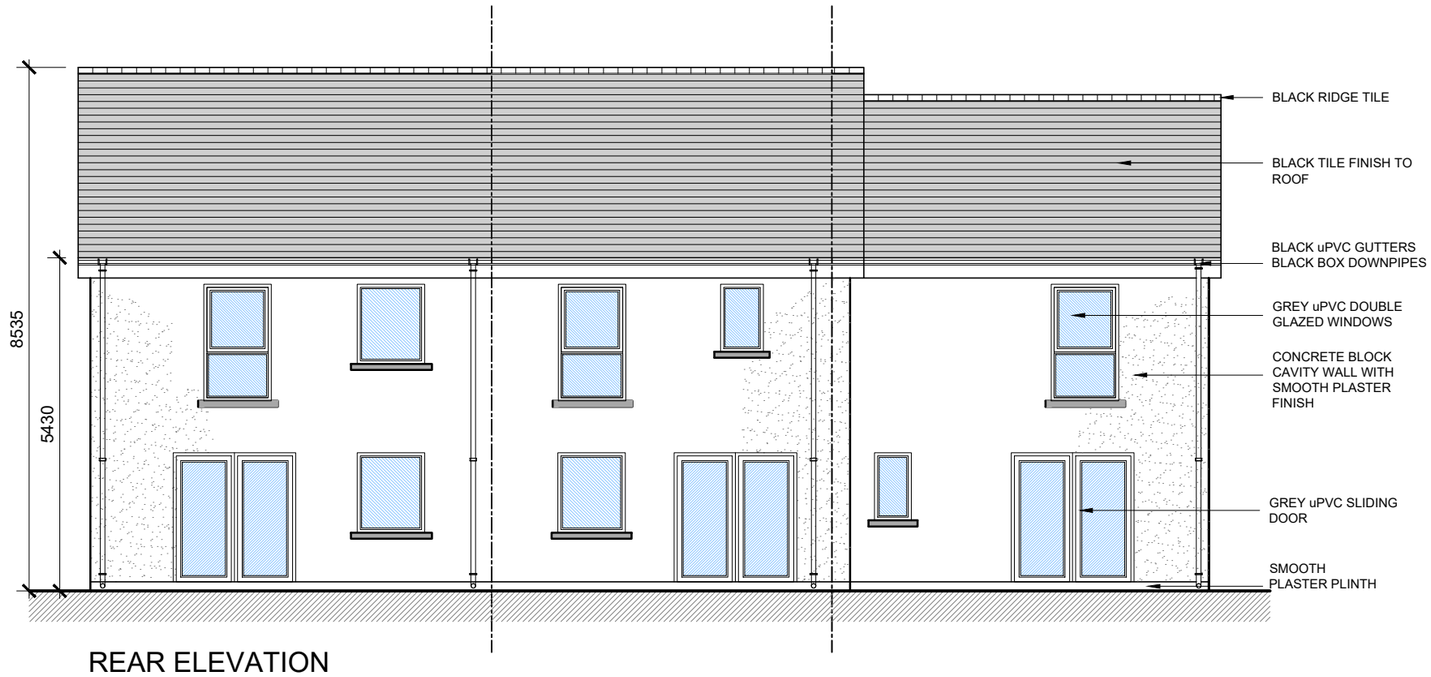
☐ Information \ Comments — Tender ☐
☒ Planning — Construction ☐

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FRONT ELEVATION

SCALE 1:100 @ A3



REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

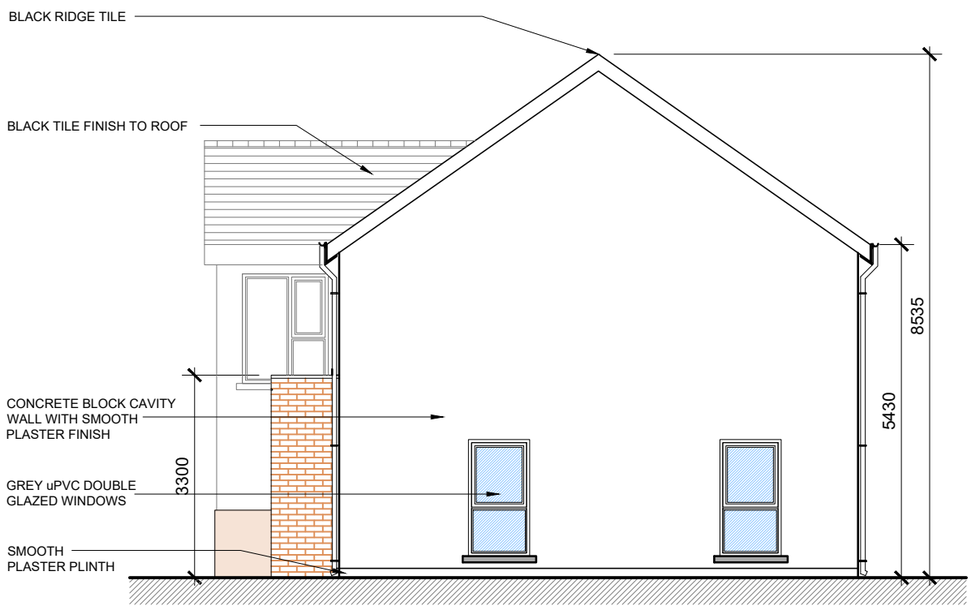
Drawing title
BLOCK 3
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/303	P1

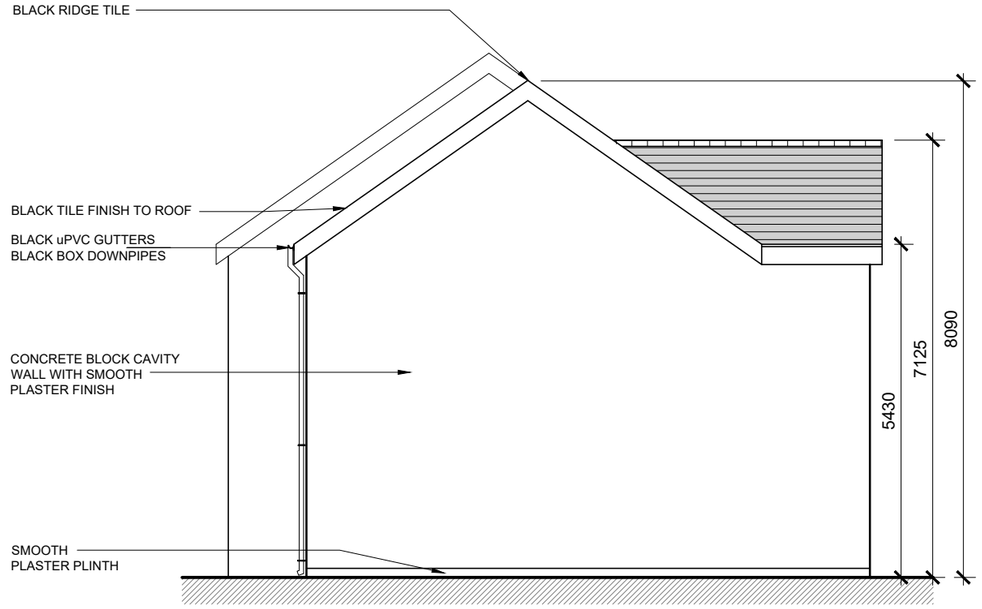
☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



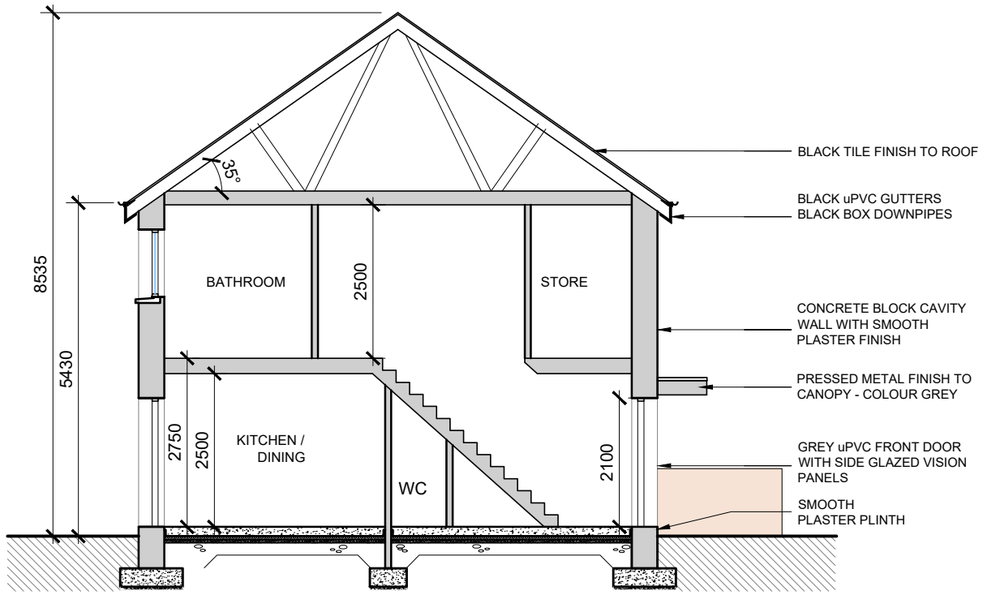
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 3
SIDE ELEVATIONS & SECTION

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	25.09.18

Project No.	Drg. No.	Revision
17079	17079/P/304	P1

☐ Information \ Comments — Tender ☐
☐ Planning — Construction ☐

3D RENDER - BLOCK 4

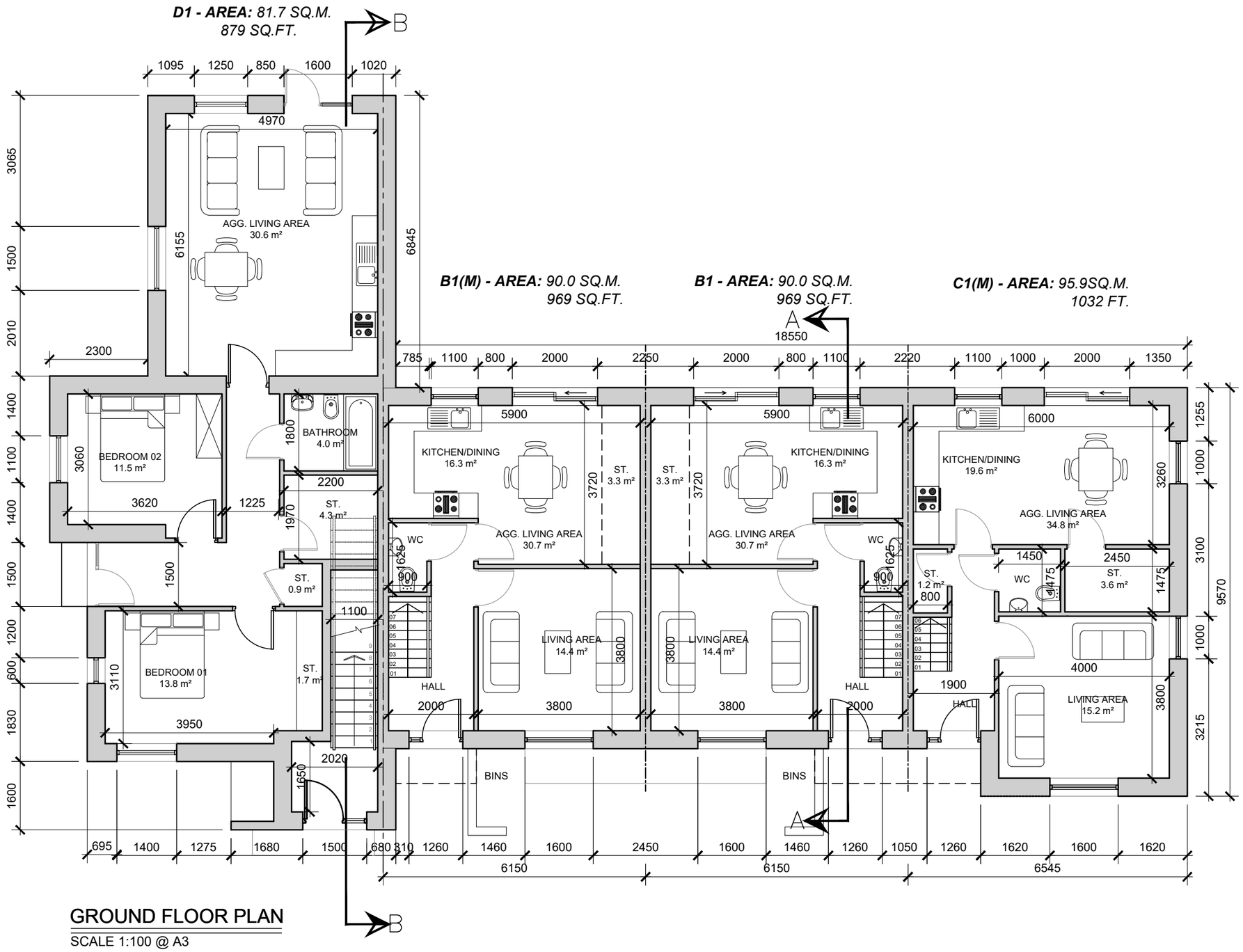
RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-400
DATE: 28.05.2020

DEADY GAHAN
ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

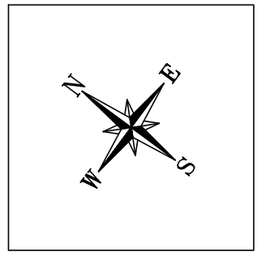
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 18 - 22 SHOWN
FFL +47.70, +47.25



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

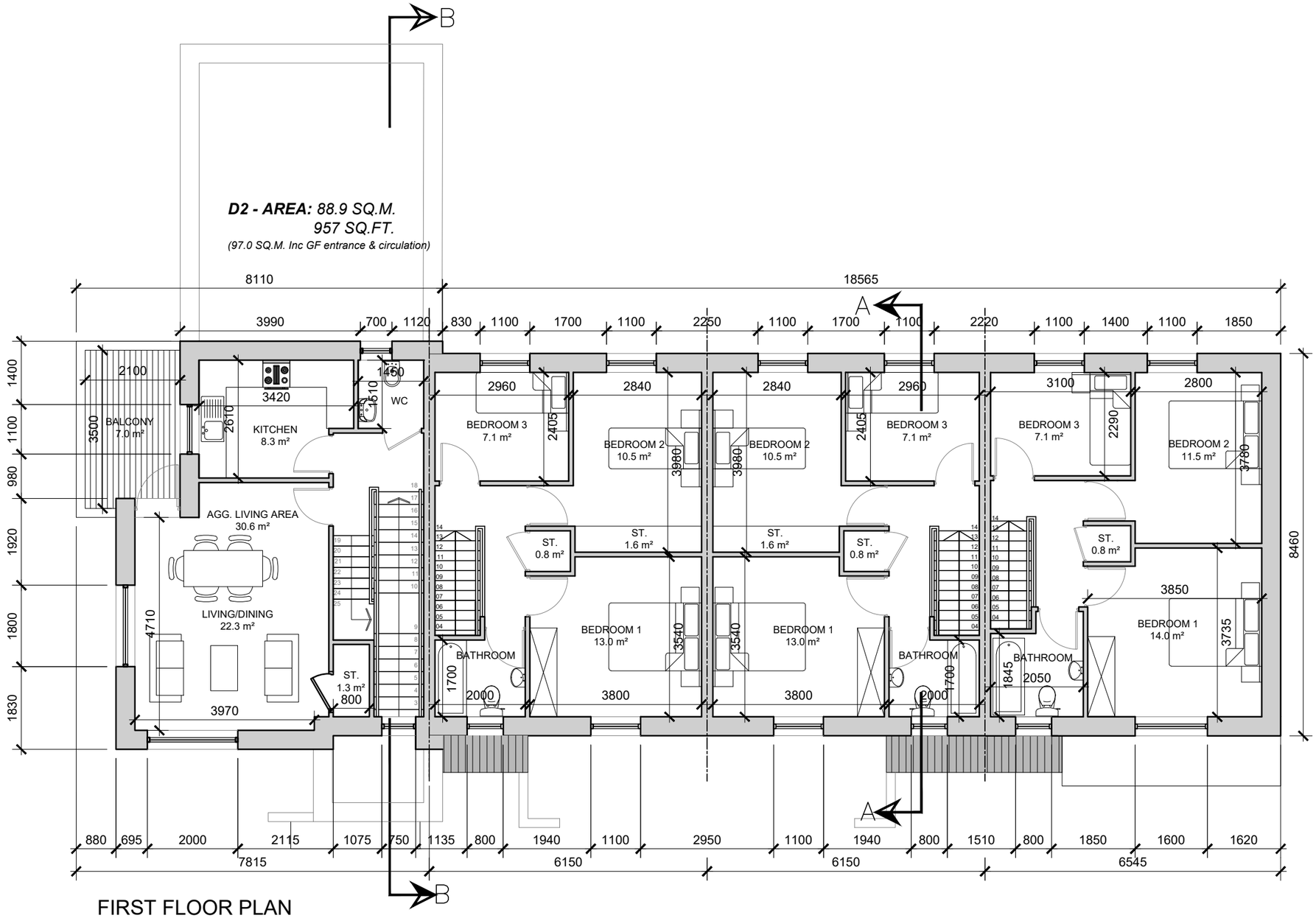
Drawing title
BLOCK 4
GROUND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/401	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 18 - 22 SHOWN

NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

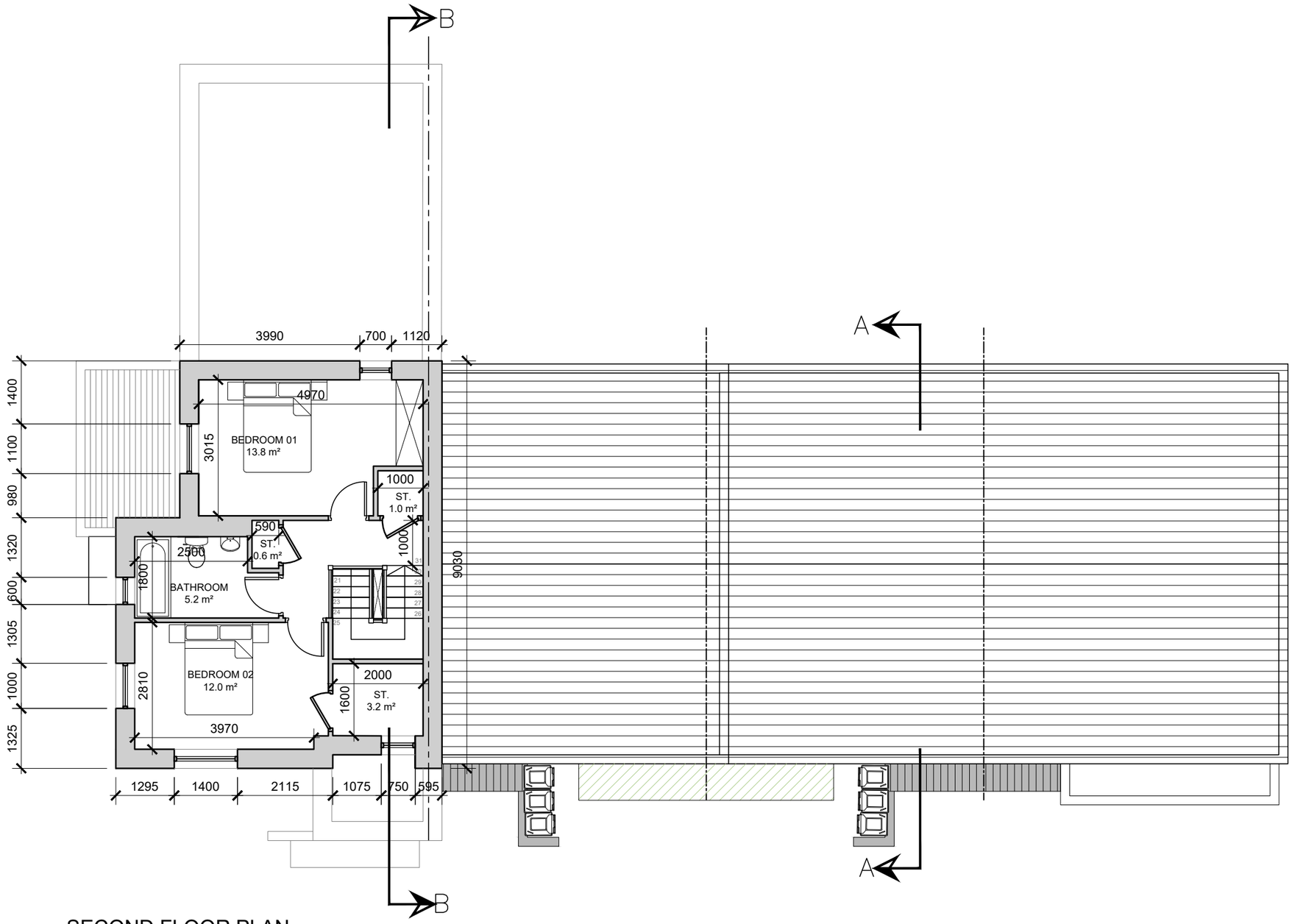
Drawing title
BLOCK 4
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/402	P1

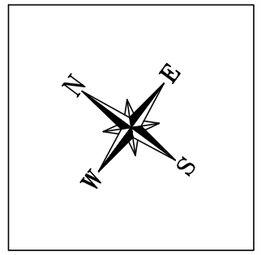
☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SECOND FLOOR PLAN

NOTE:
UNITS NO. 18 - 22 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 · Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 4
SECOND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/403	P1

☐ Information \ Comments — Tender ☐
☒ Planning — Construction ☐

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 4
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/404	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
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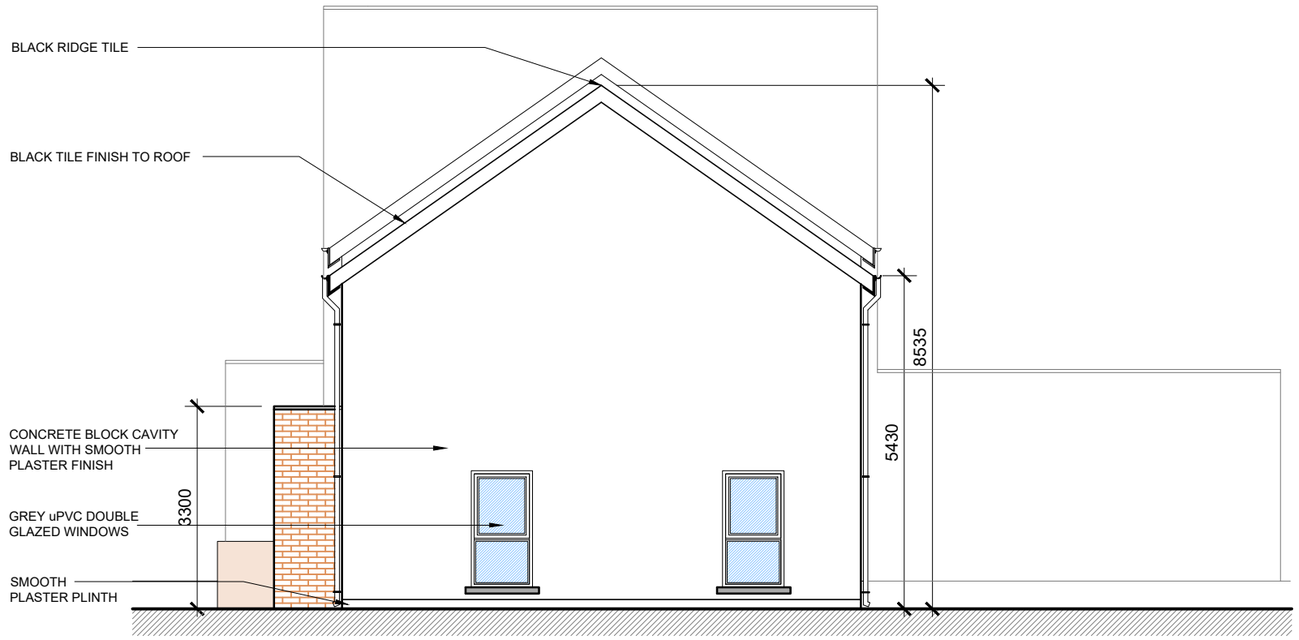
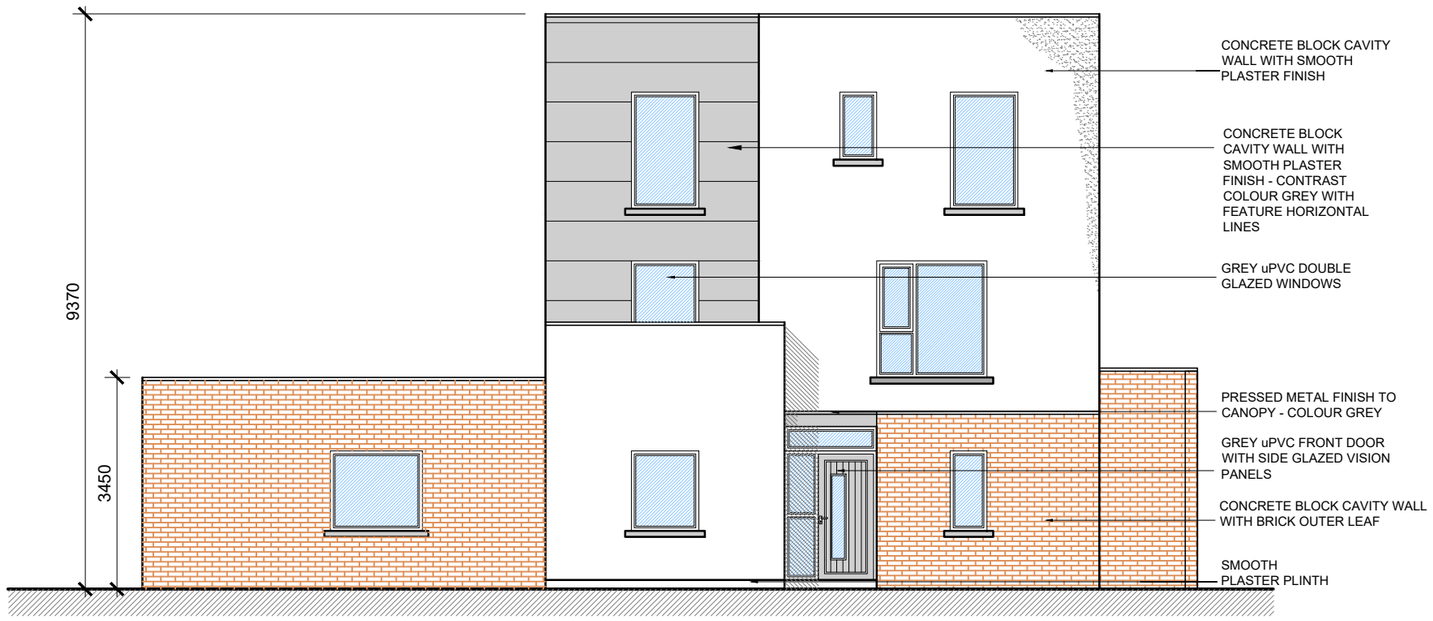
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 4
SIDE ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/405	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
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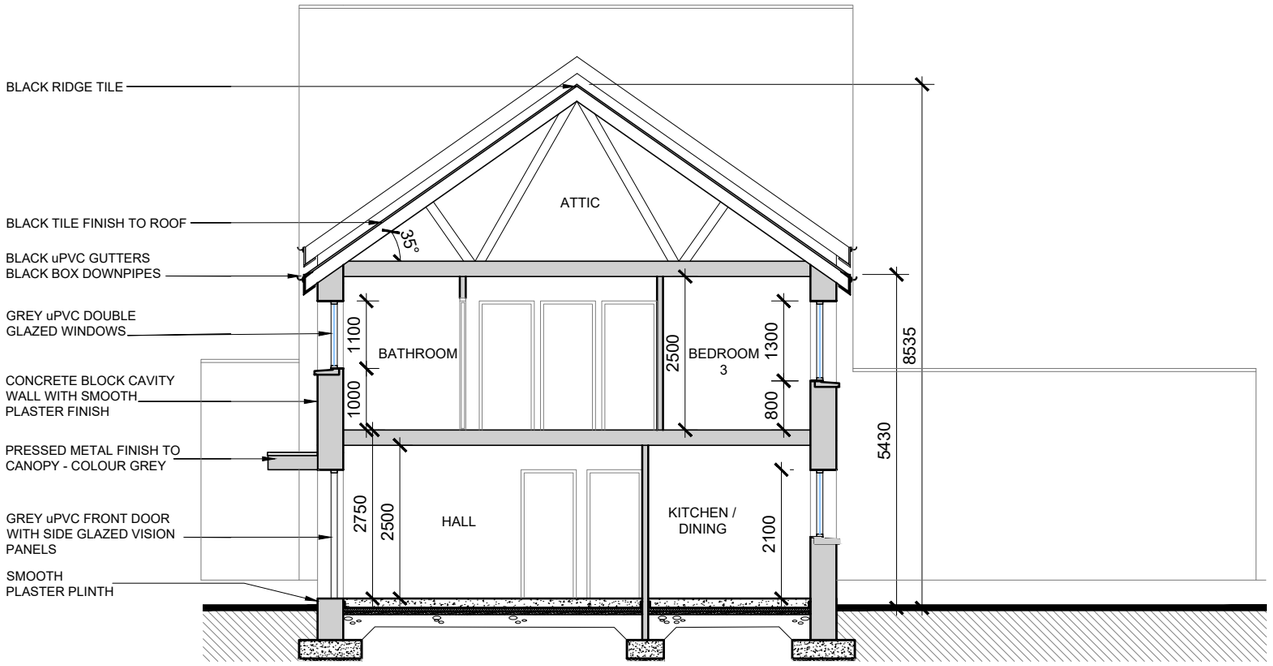
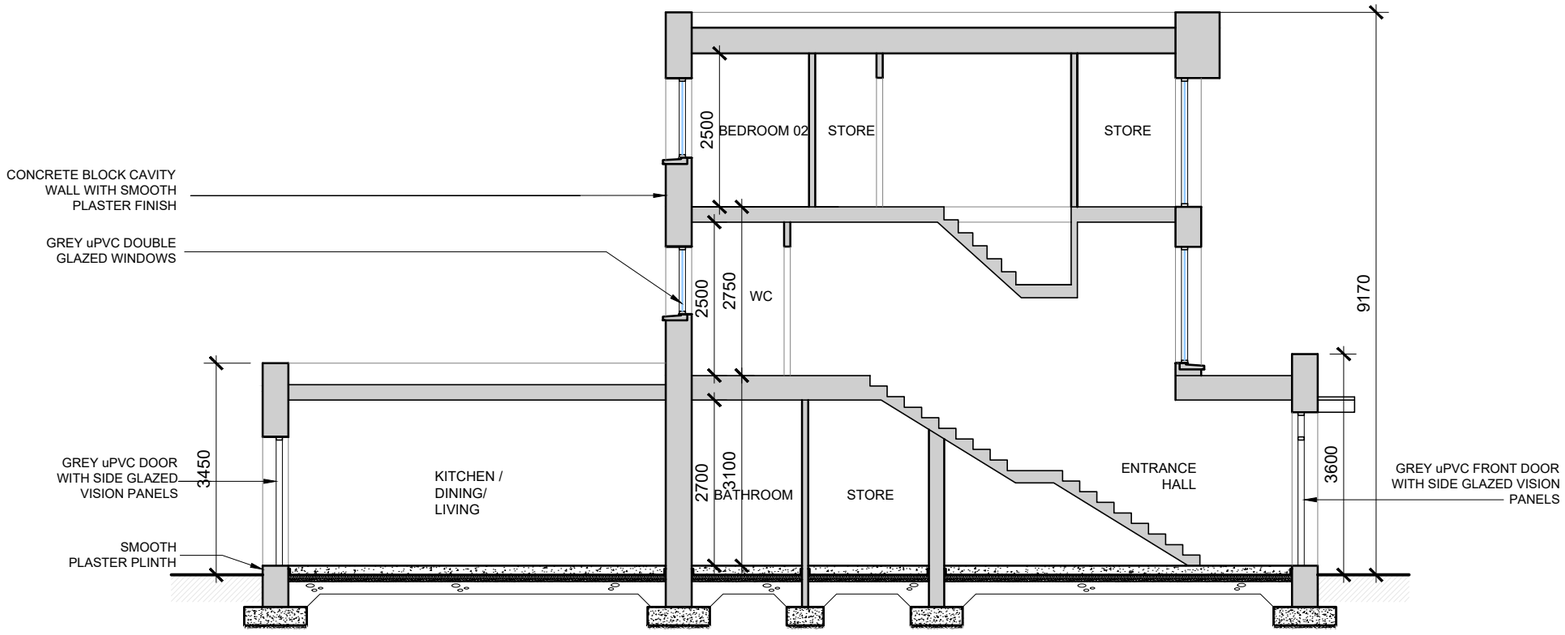
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SECTION A-A

SCALE 1:100 @ A3



SECTION B-B

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 4
SECTIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/406	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 5

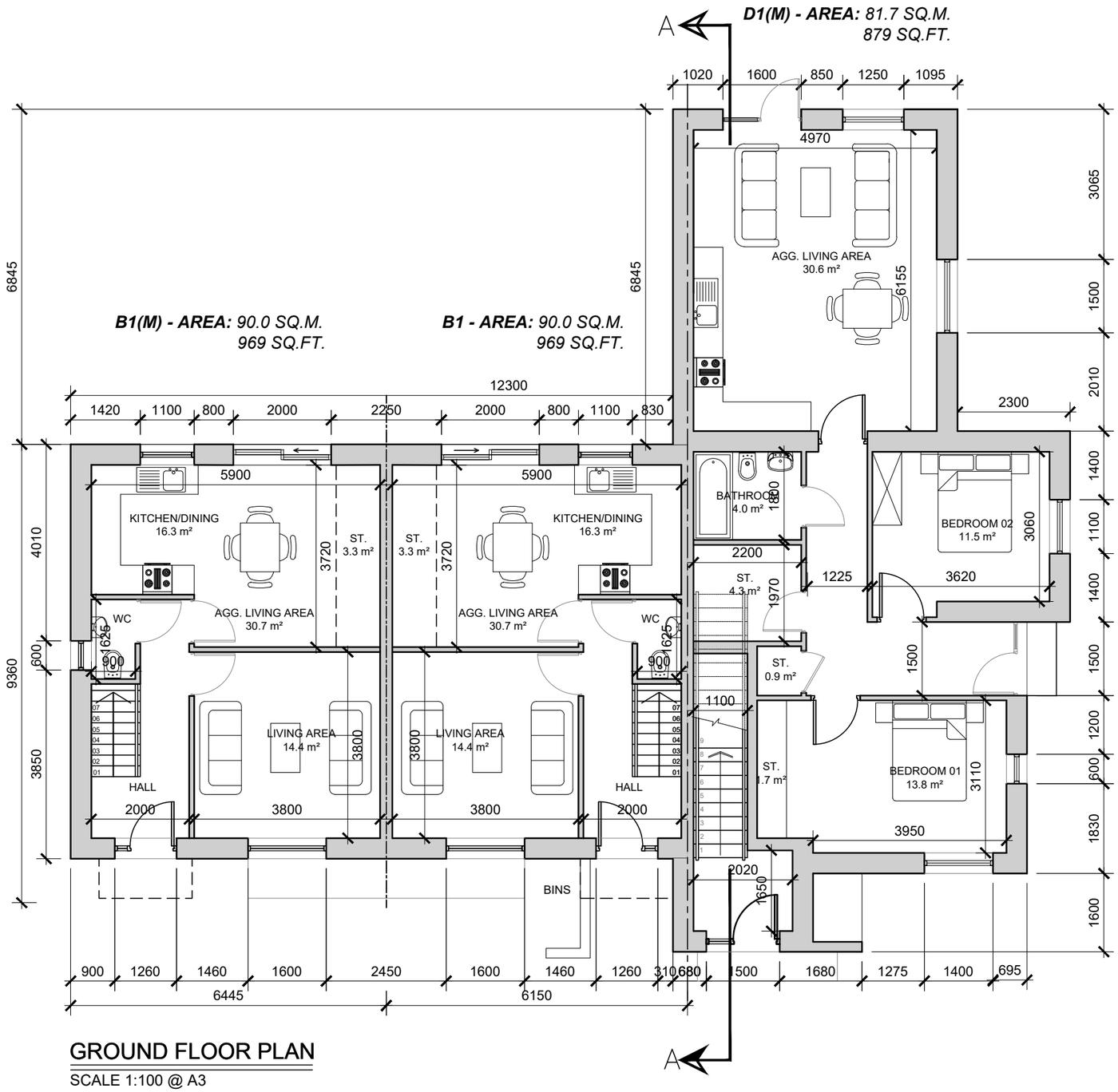
RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-500
DATE: 28.05.2020

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

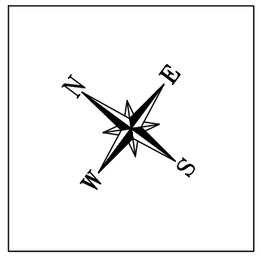
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 23-26 SHOWN
FFL +46.50



***NOTE:** UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

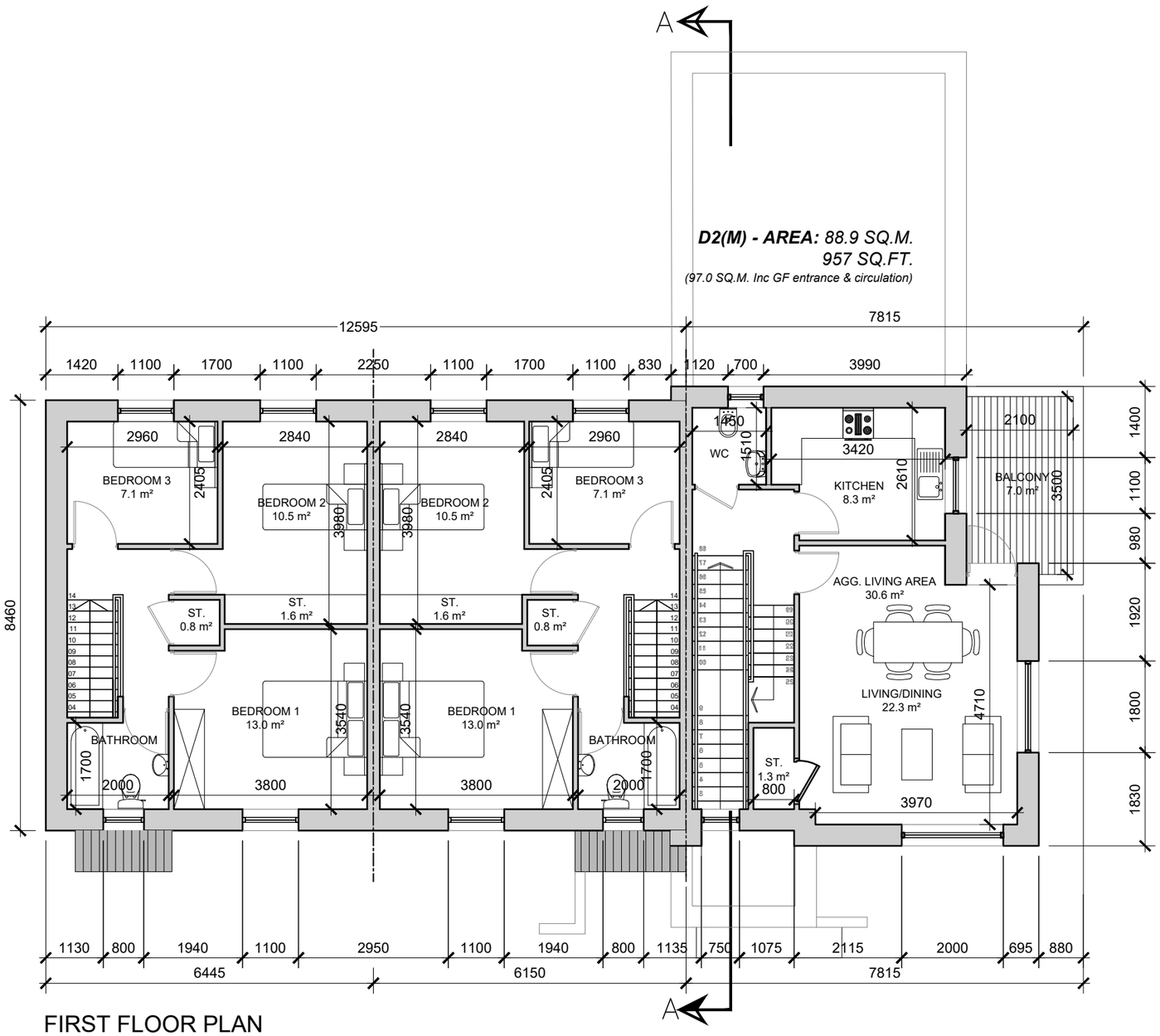
Drawing title
BLOCK 5
GROUND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/501	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

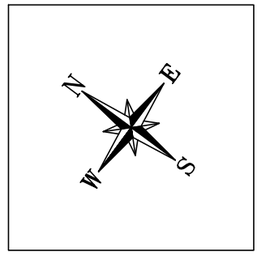
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 23-26 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

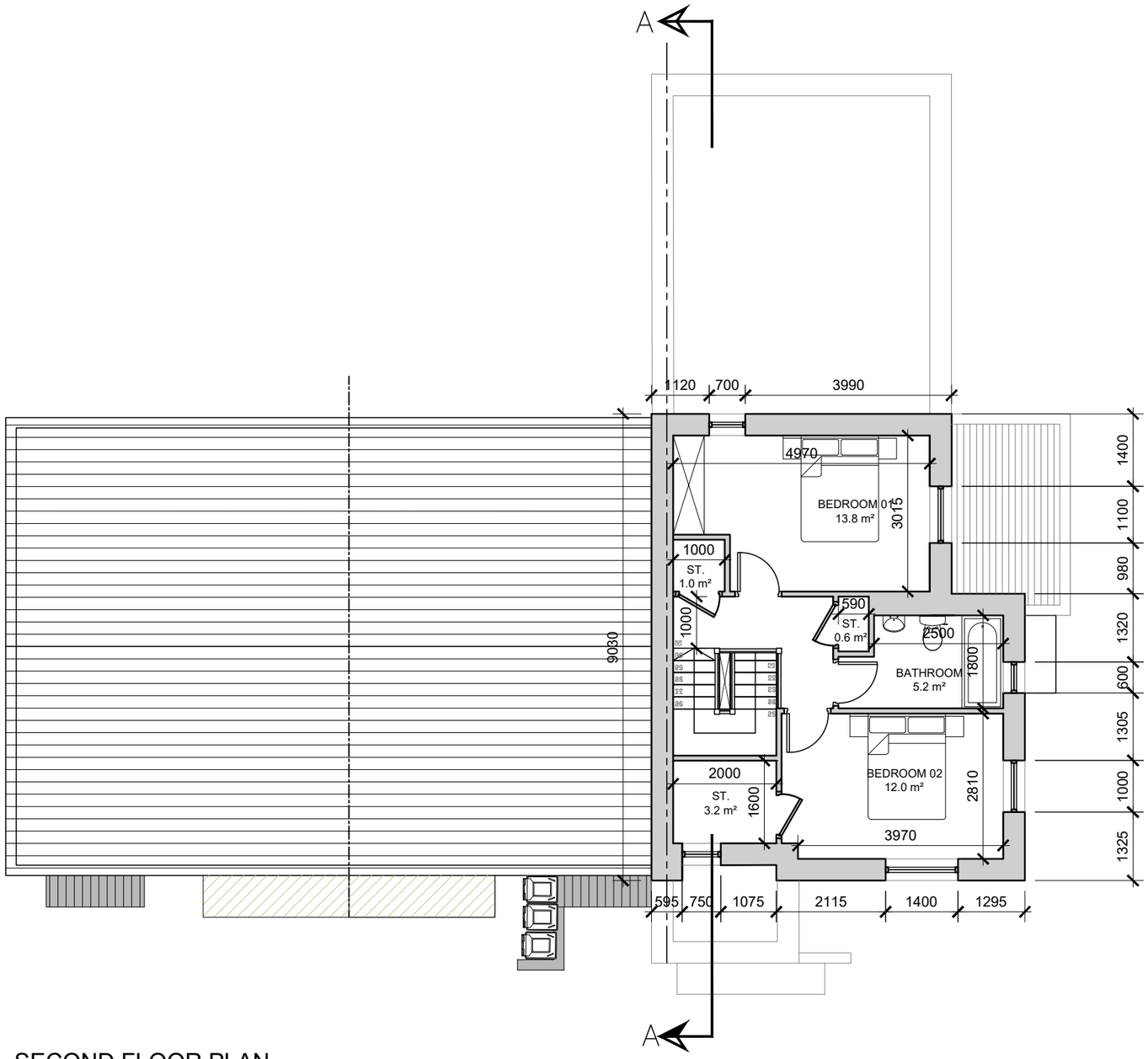
Drawing title
BLOCK 5
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/502	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

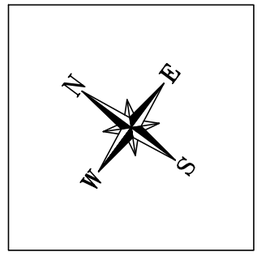
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SECOND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 23-26 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 5
SECOND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/503	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355018 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

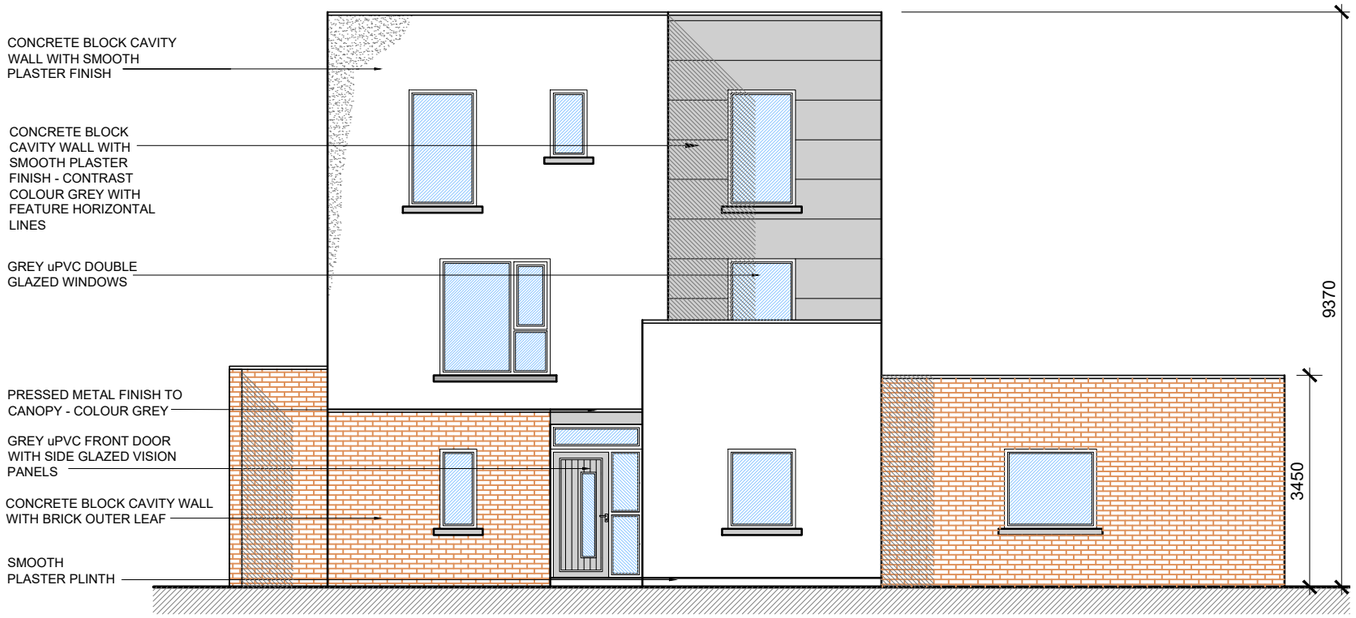
Drawing title
BLOCK 5
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/504	P1

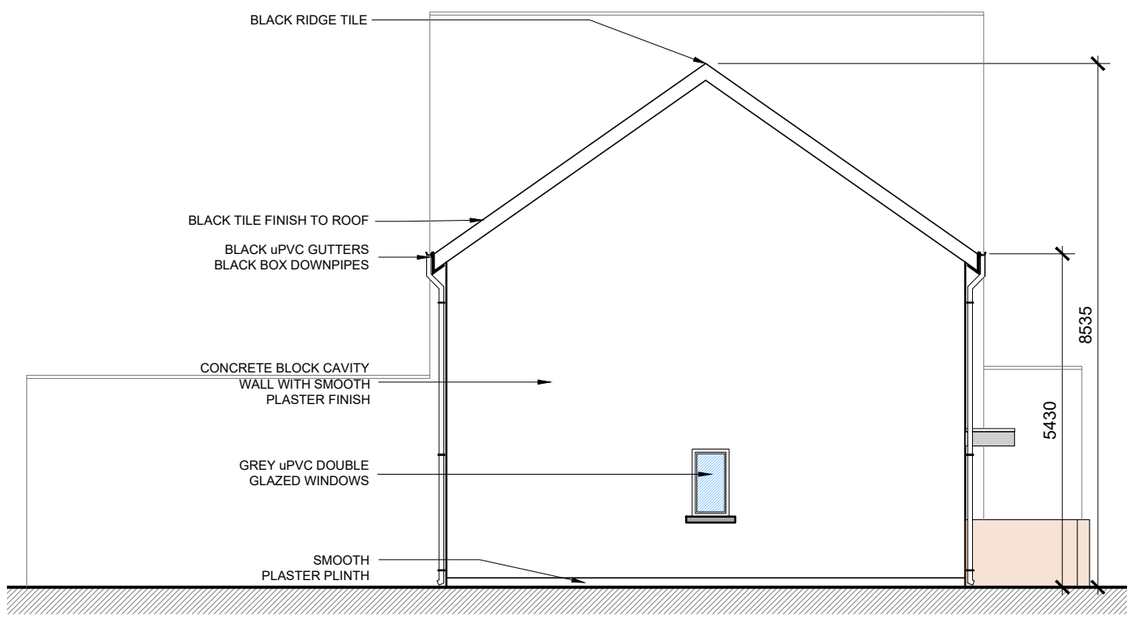
☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



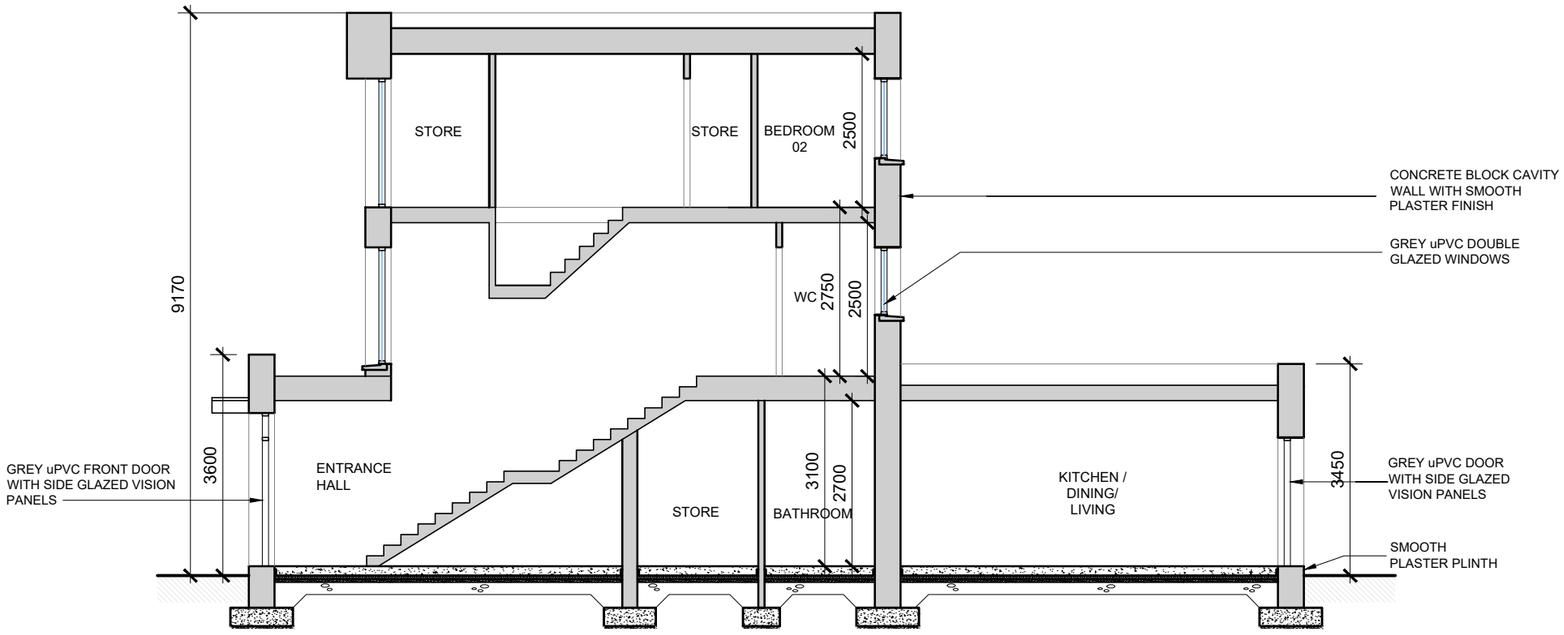
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 5
SIDE ELEVATIONS & SECTION A-A

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P505	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 6

RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-600
DATE: 19.05.2020

DEADY GAHAN ARCHITECTS

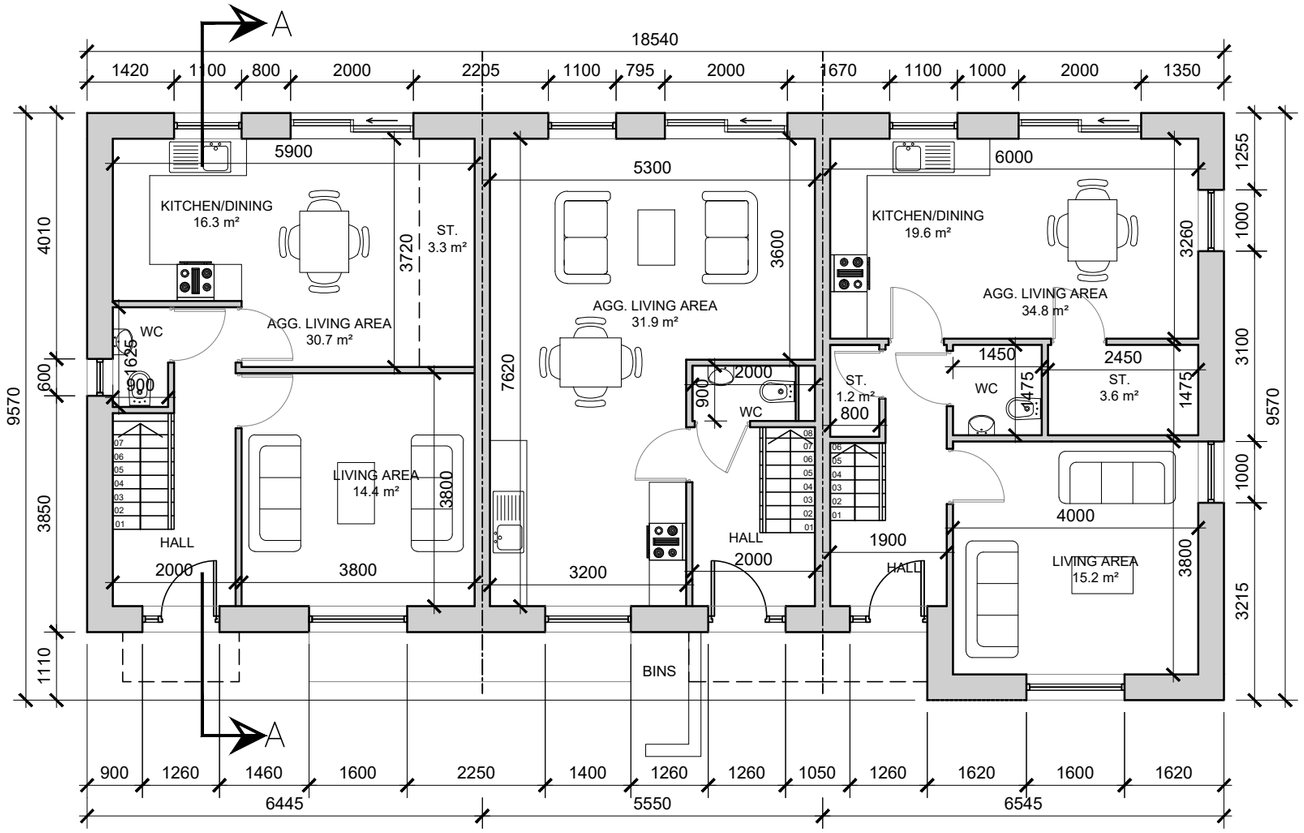
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

B1(M) - AREA: *90.0 SQ.M.*
969 SQ.FT.

A1 - AREA: *80.8 SQ.M.*
870 SQ.FT.

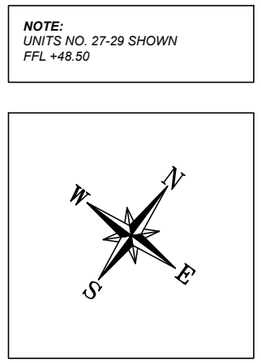
C1(M) - AREA: *95.9SQ.M.*
1032 FT.



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 27-29 SHOWN
FFL +48.50



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 · Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

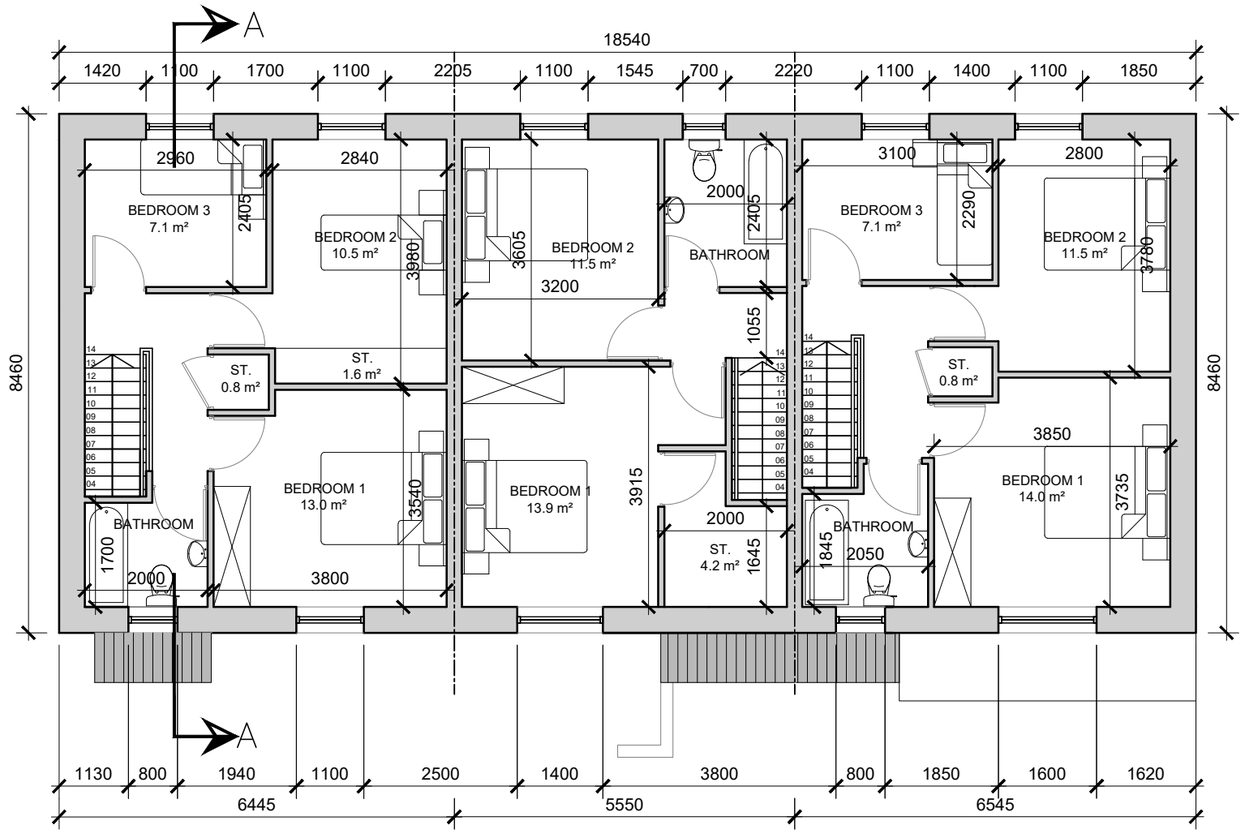
Drawing title
BLOCK 6
GROUND FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/601	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

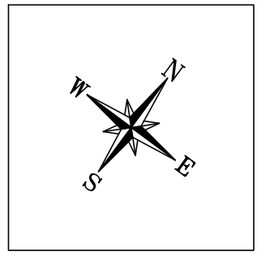
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 27 - 29 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 6
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/602	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

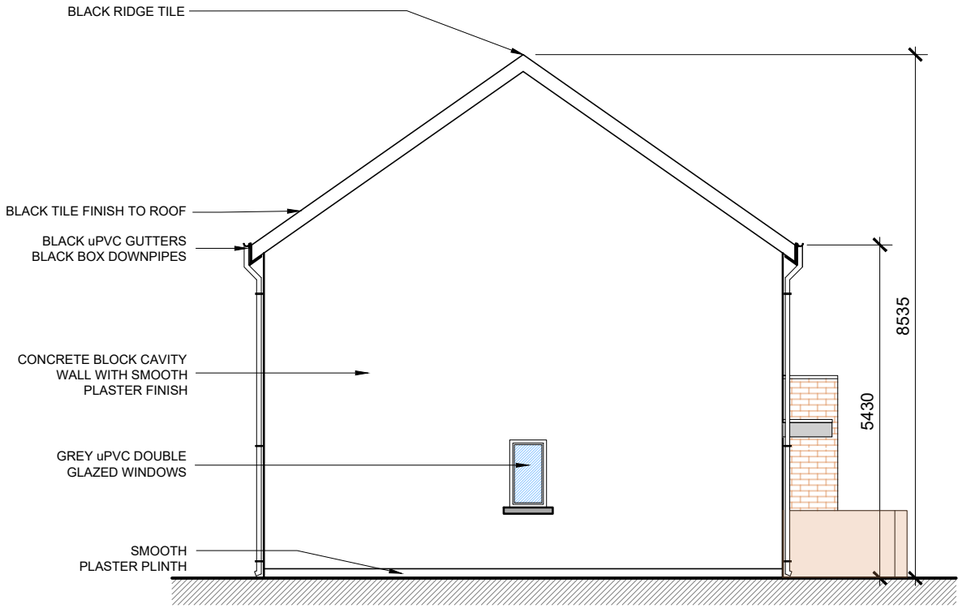
Drawing title
BLOCK 6
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/603	P1

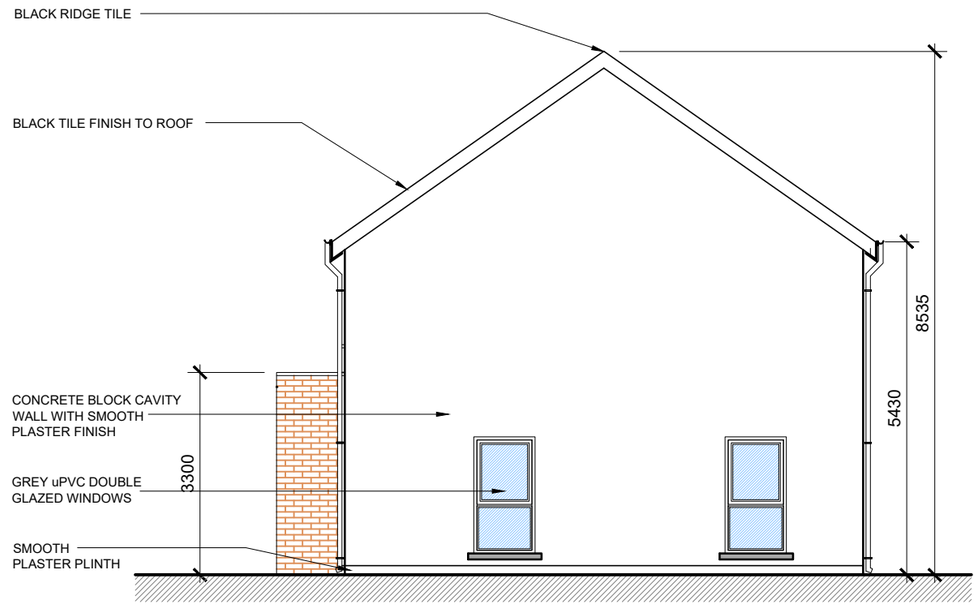
☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



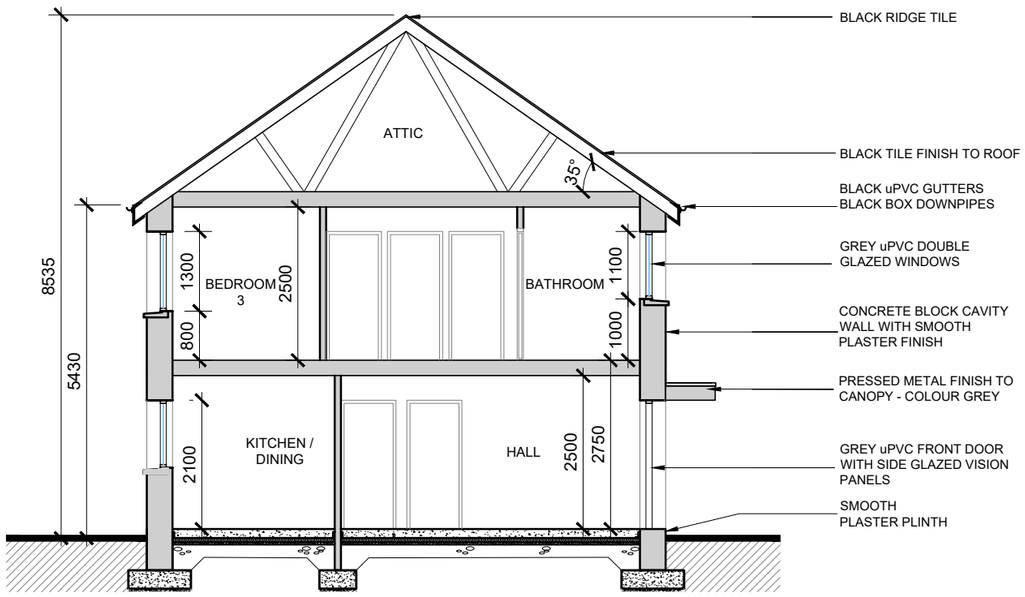
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 6
SIDE ELEVATIONS & SECTION

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/604	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 7

RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-700
DATE: 19.05.2020

DEADY GAHAN
ARCHITECTS

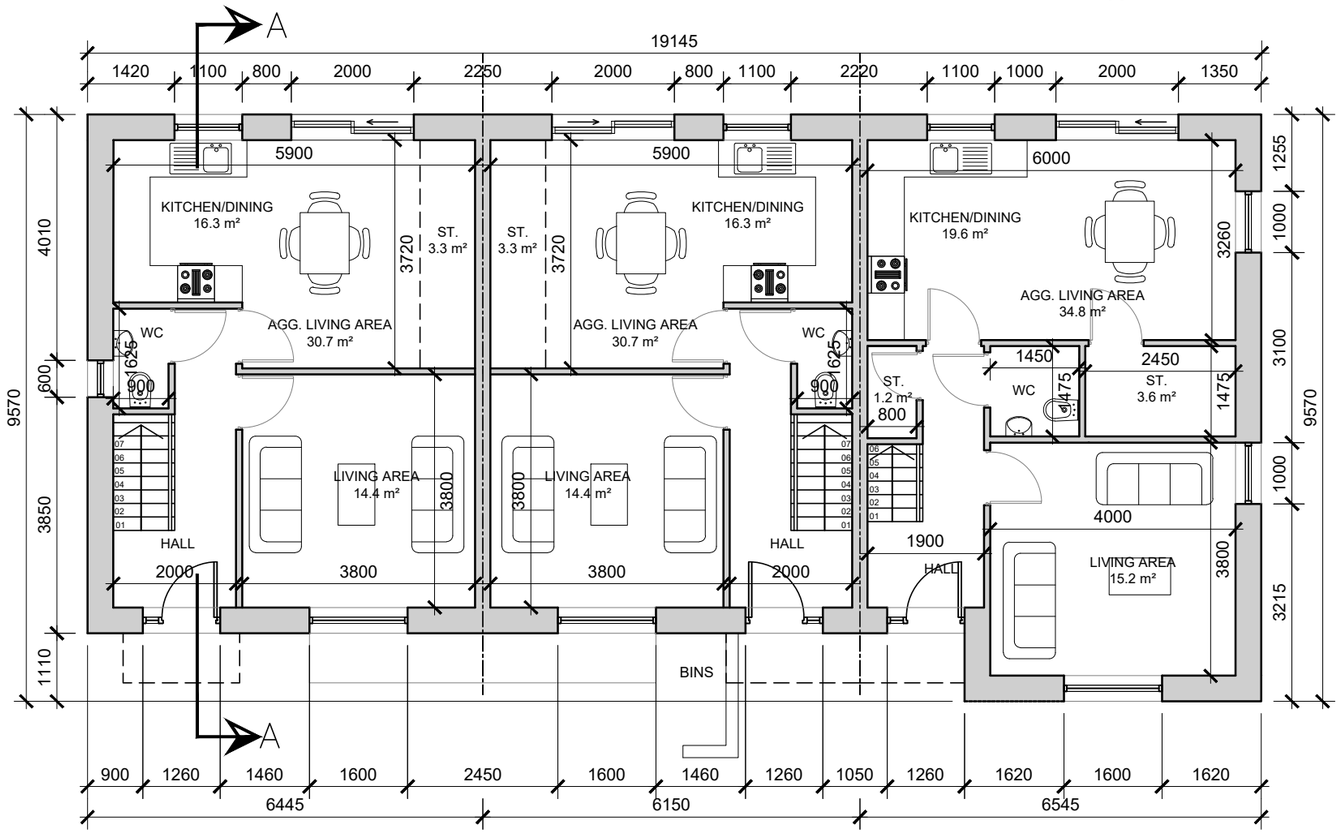
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

B1(M) - AREA: *90.0 SQ.M.*
969 SQ.FT.

B1 - AREA: *90.0 SQ.M.*
969 SQ.FT.

C1(M) - AREA: *95.9SQ.M.*
1032 FT.

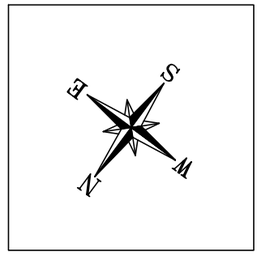


GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 30-32 SHOWN
FFL +48.50

POSITION OF NORTH POINT AND FFL VARY - CHECK SITE PLAN FOR ORIENTATION - DWG NO. 17079/P/003.



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355018 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

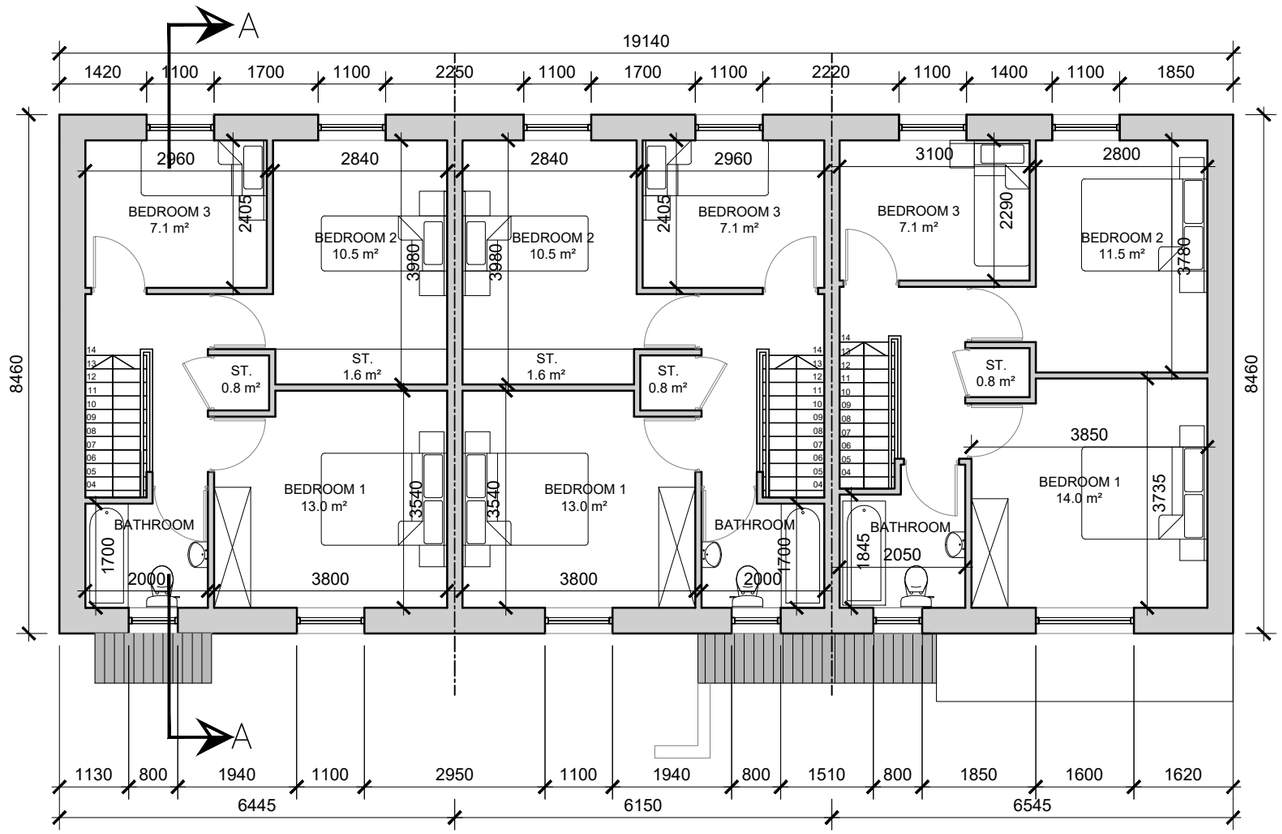
Drawing title
BLOCK 7
GROUND FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/701	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

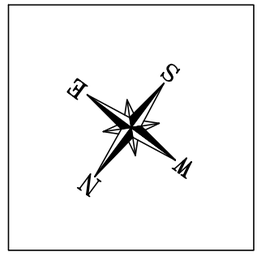
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 30-32 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 7
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/702	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

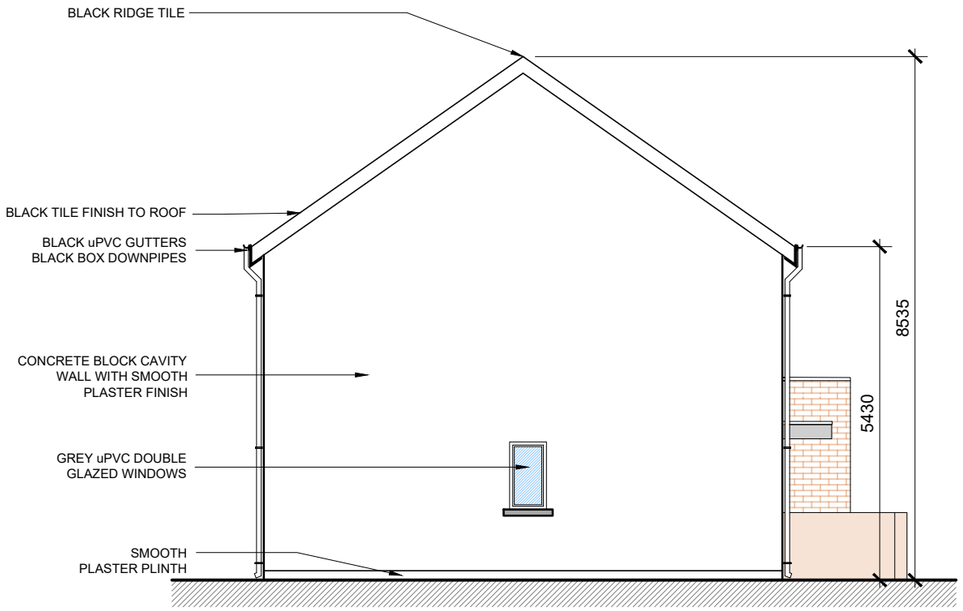
Drawing title
BLOCK 7
FRONT & REAR ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/703	P1

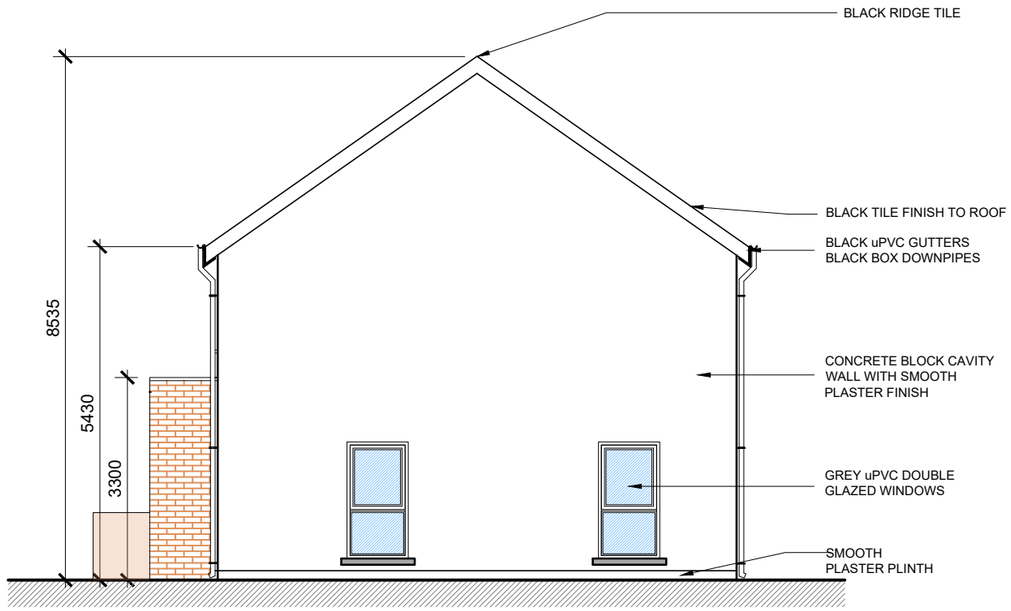
☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



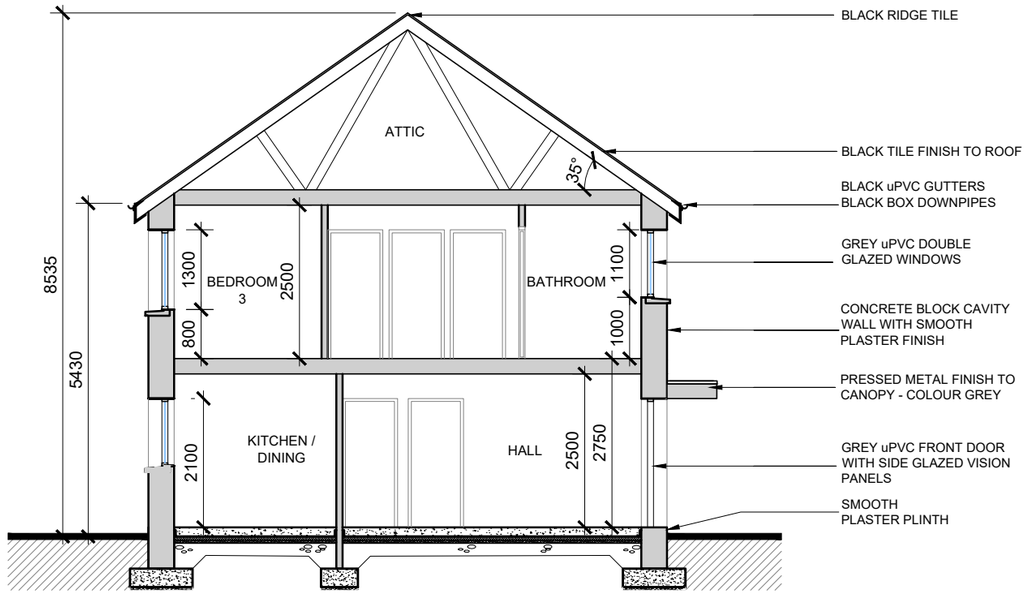
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
19.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 7
SIDE ELEVATIONS & SECTION

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/704	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 8

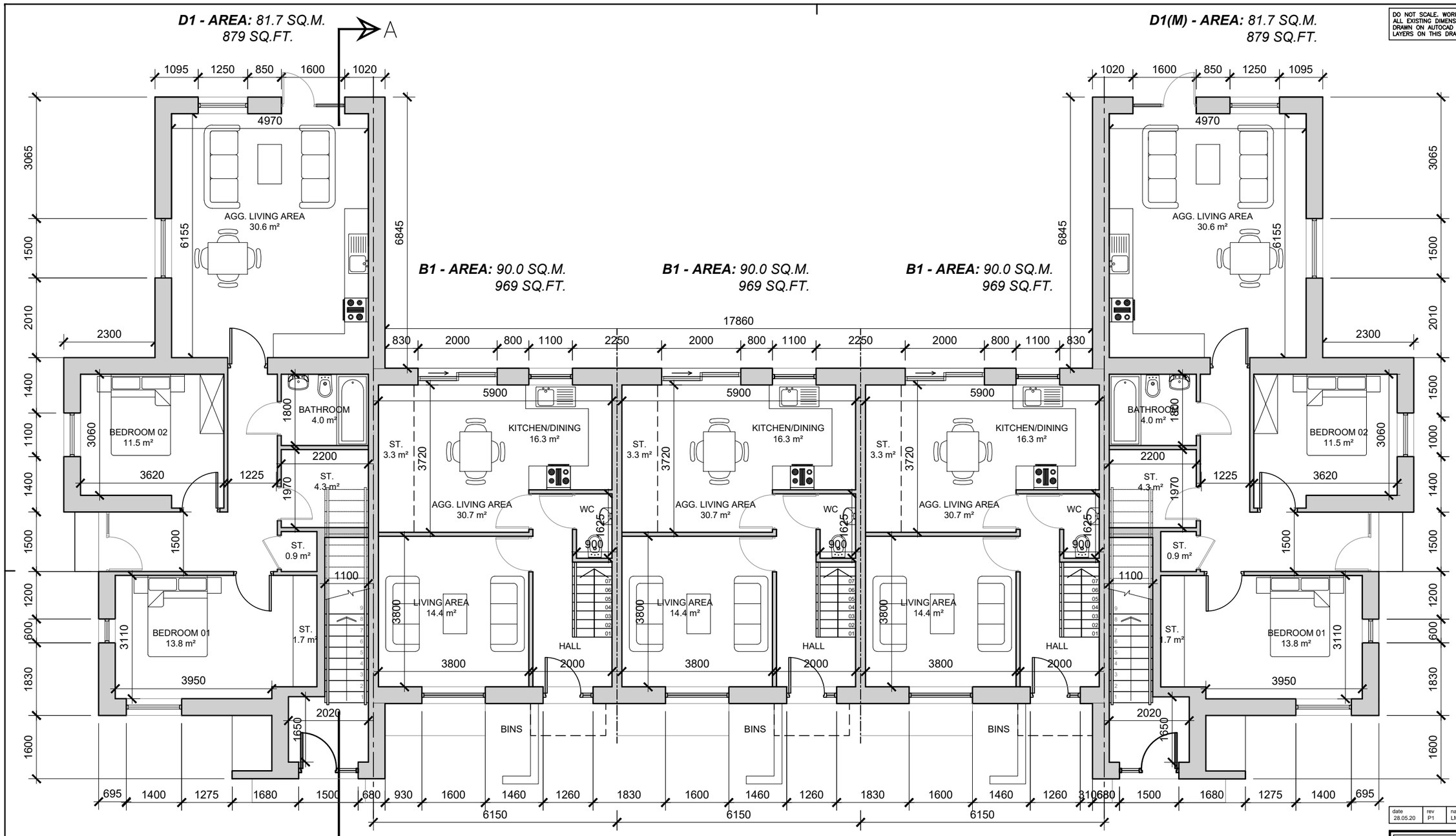
RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-800
DATE: 28.05.2020

DEADY GAHAN
ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 33-39 SHOWN
FFL +47.50

NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

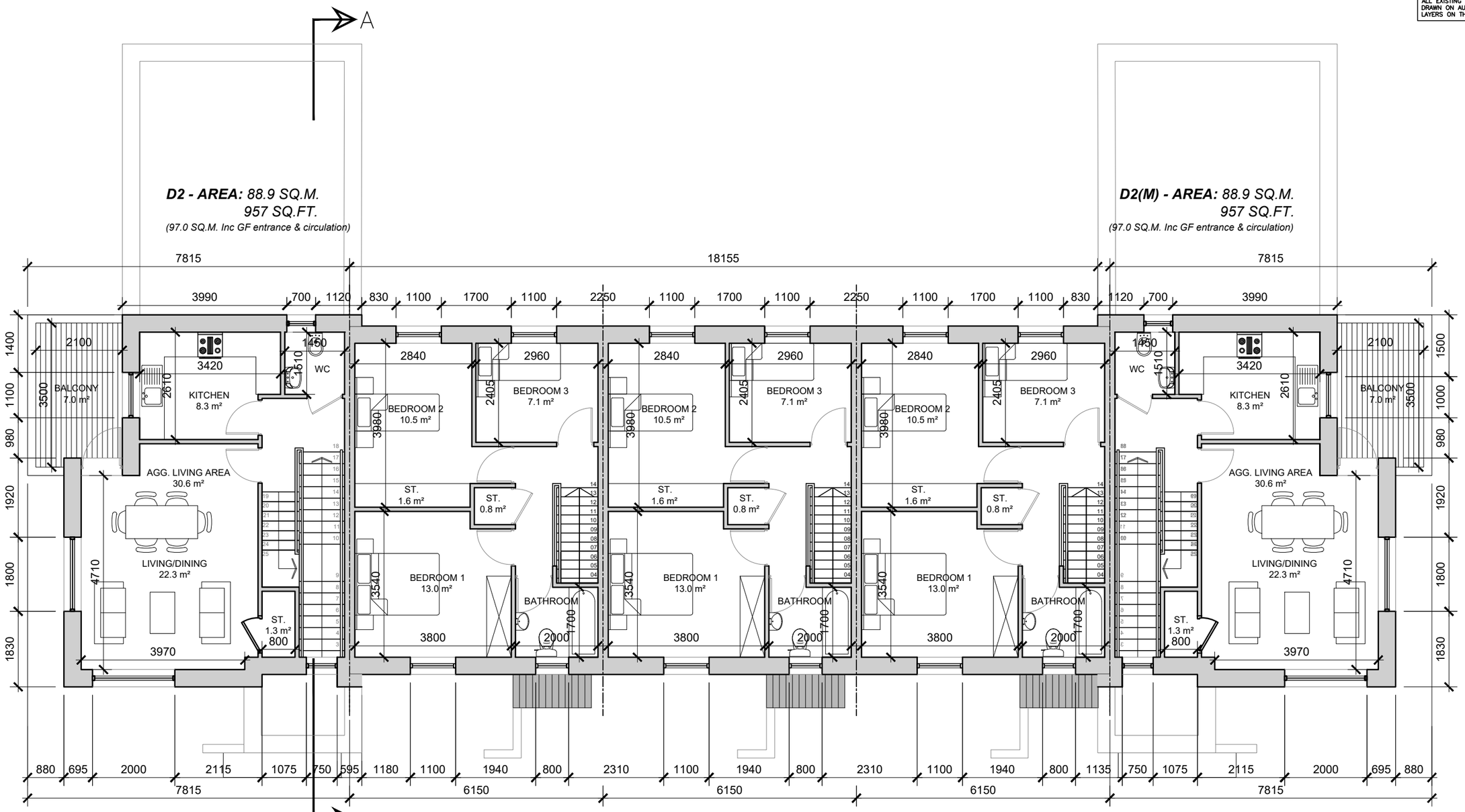
Drawing title
BLOCK 8
GROUND FLOOR PLANS

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/801	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

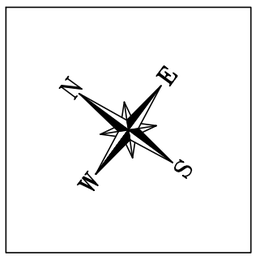
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 33-39 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERES TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

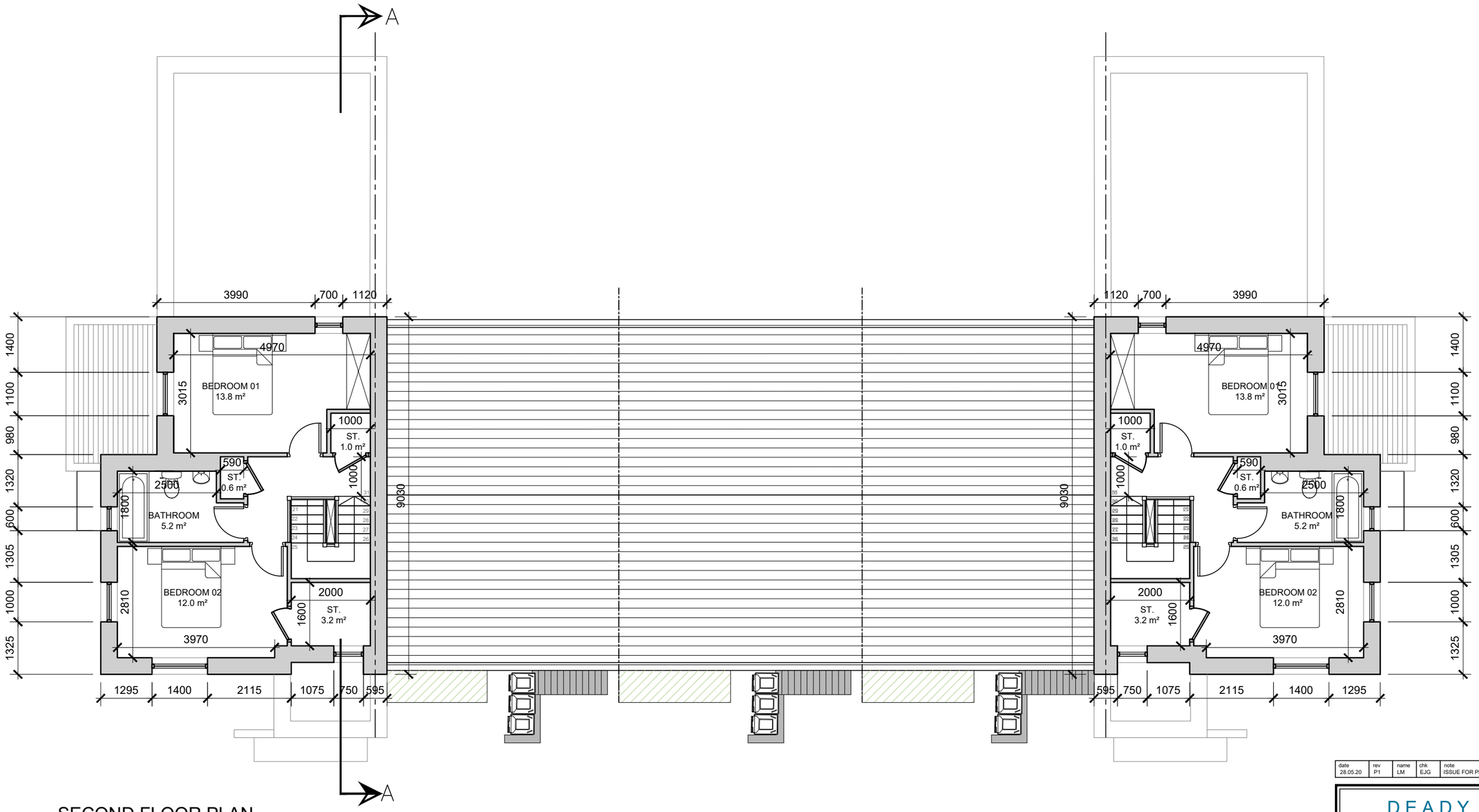
Drawing title
BLOCK 8
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/802	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SECOND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 33-39 SHOWN

NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 8
SECOND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

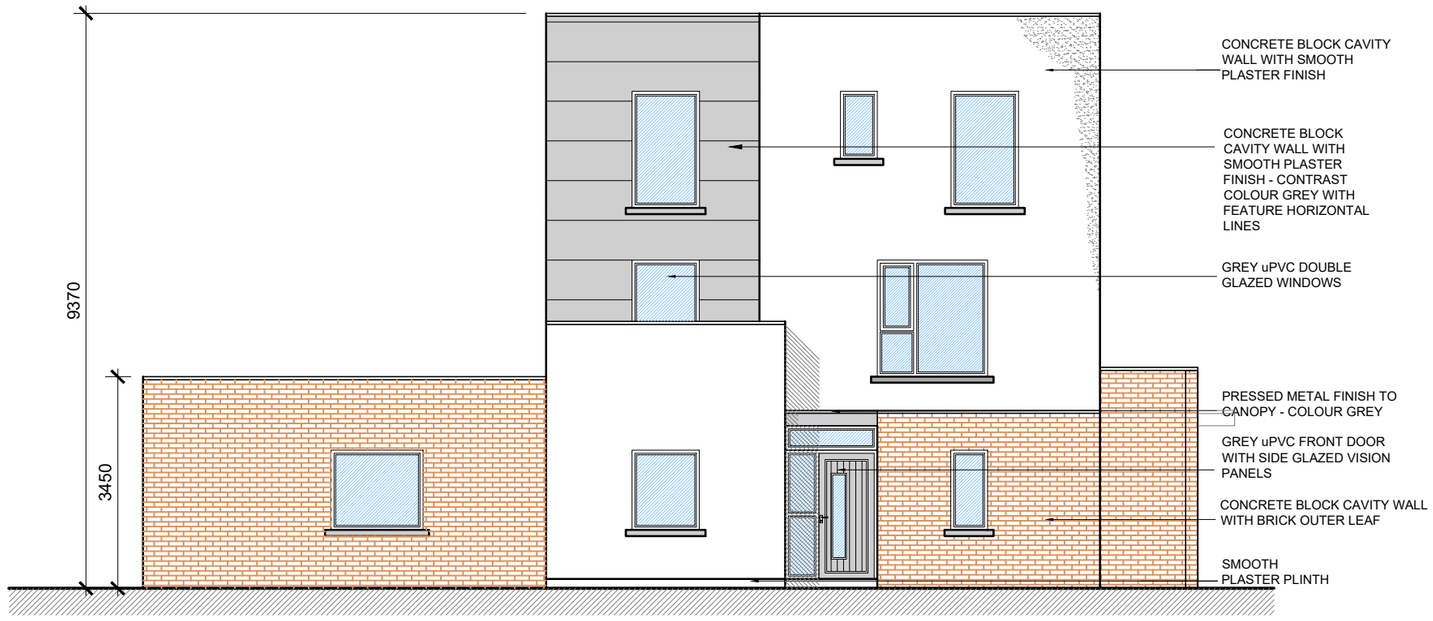
Project No.	Drg. No.	Revision
17079	17079/P/803	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 021 4355016 Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

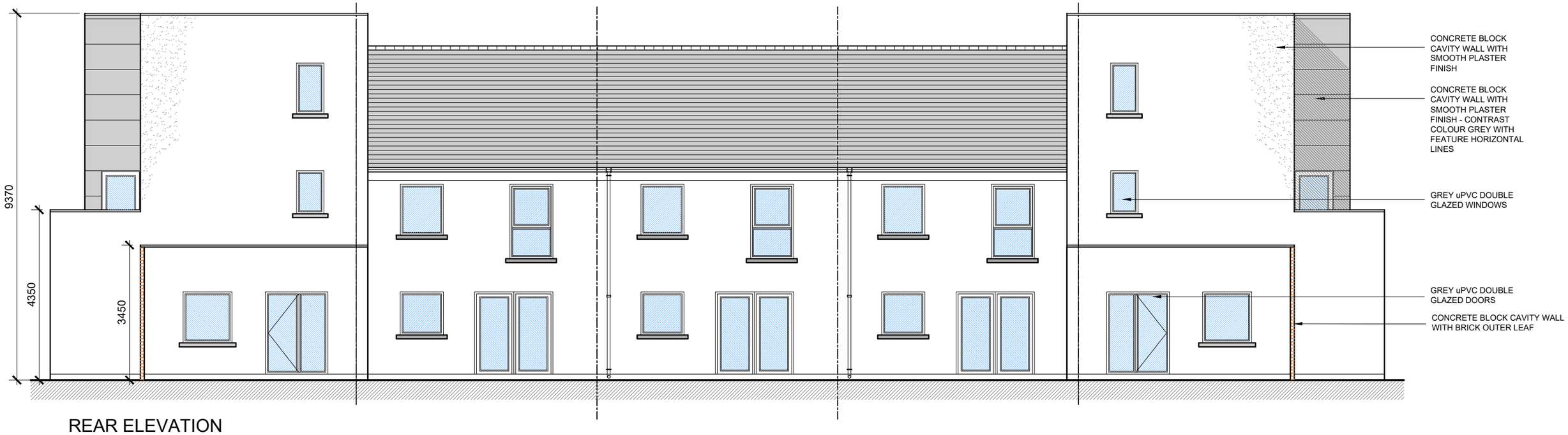
Drawing title
BLOCK 8
FRONT & SIDE ELEVATION

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/804	P1

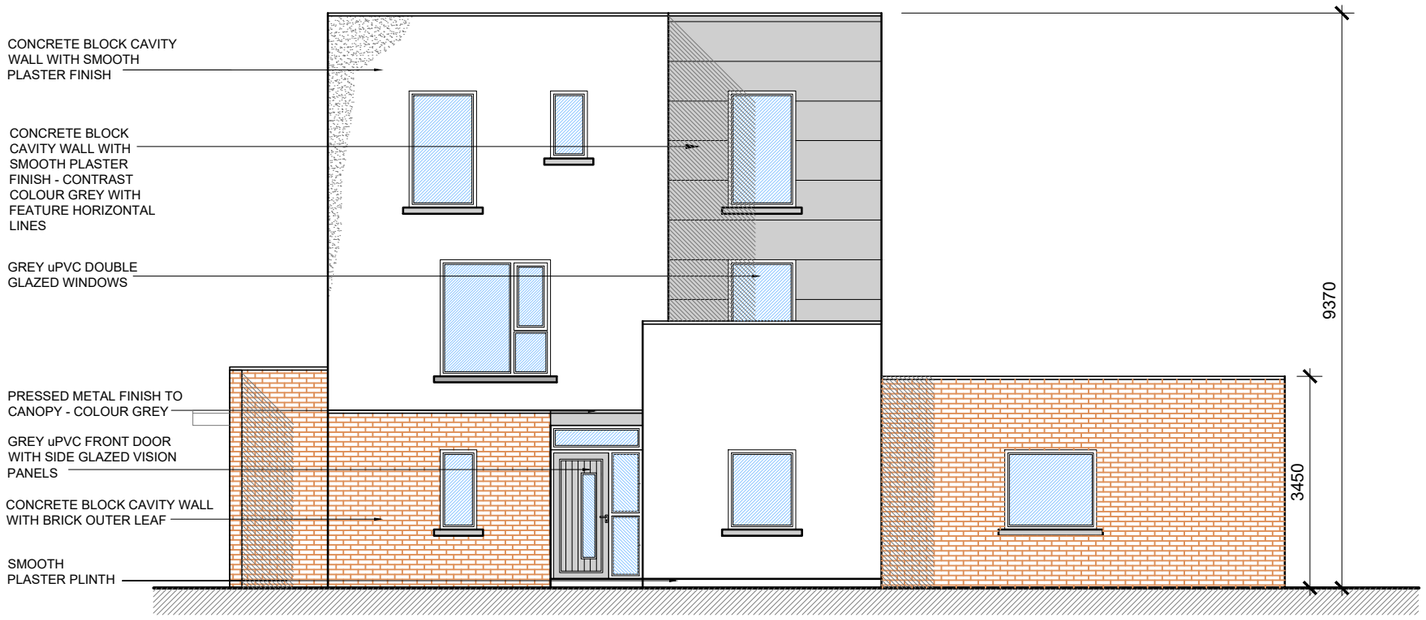
☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



REAR ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

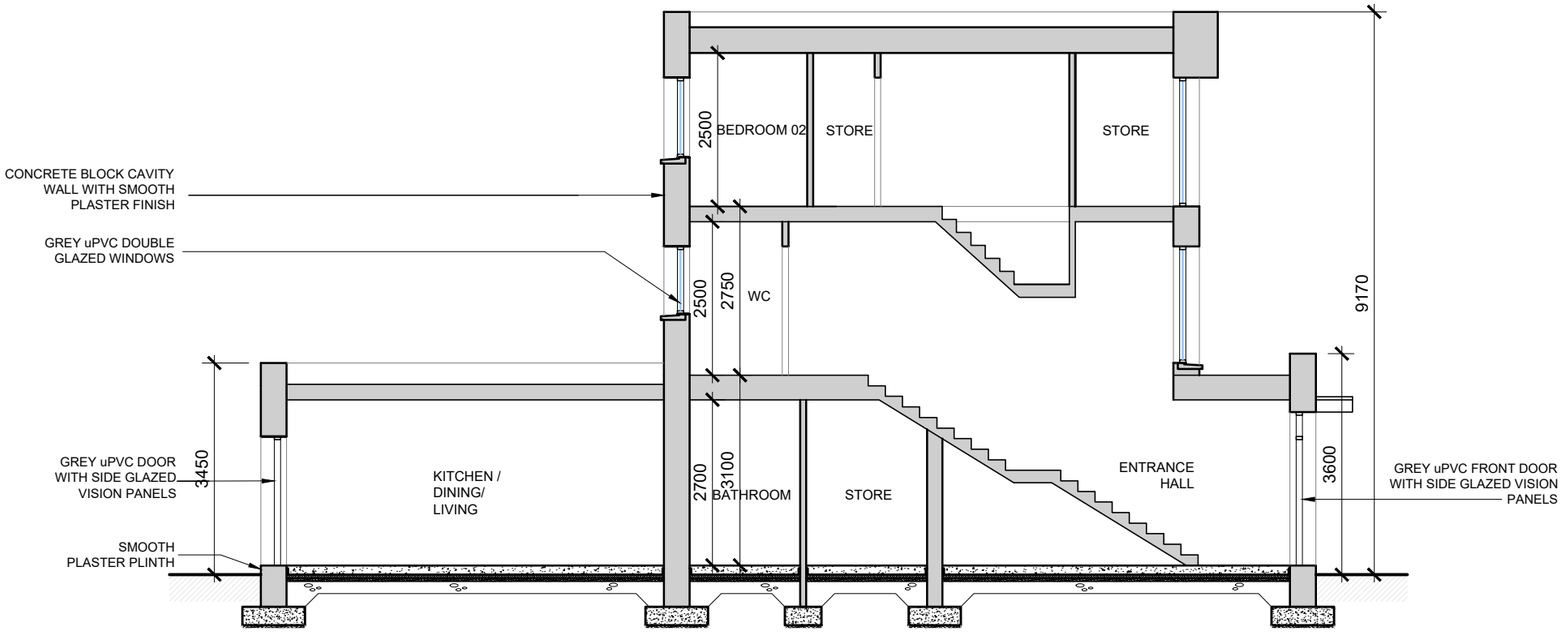
Drawing title
BLOCK 8
REAR & SIDE ELEVATION

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/805	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 · Fax 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 8
SECTION A-A

Scale	Drawn	Checked	Date
1/100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/806	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

3D RENDER - BLOCK 10

RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-1000
DATE: 19.05.2020

DEADY GAHAN
ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

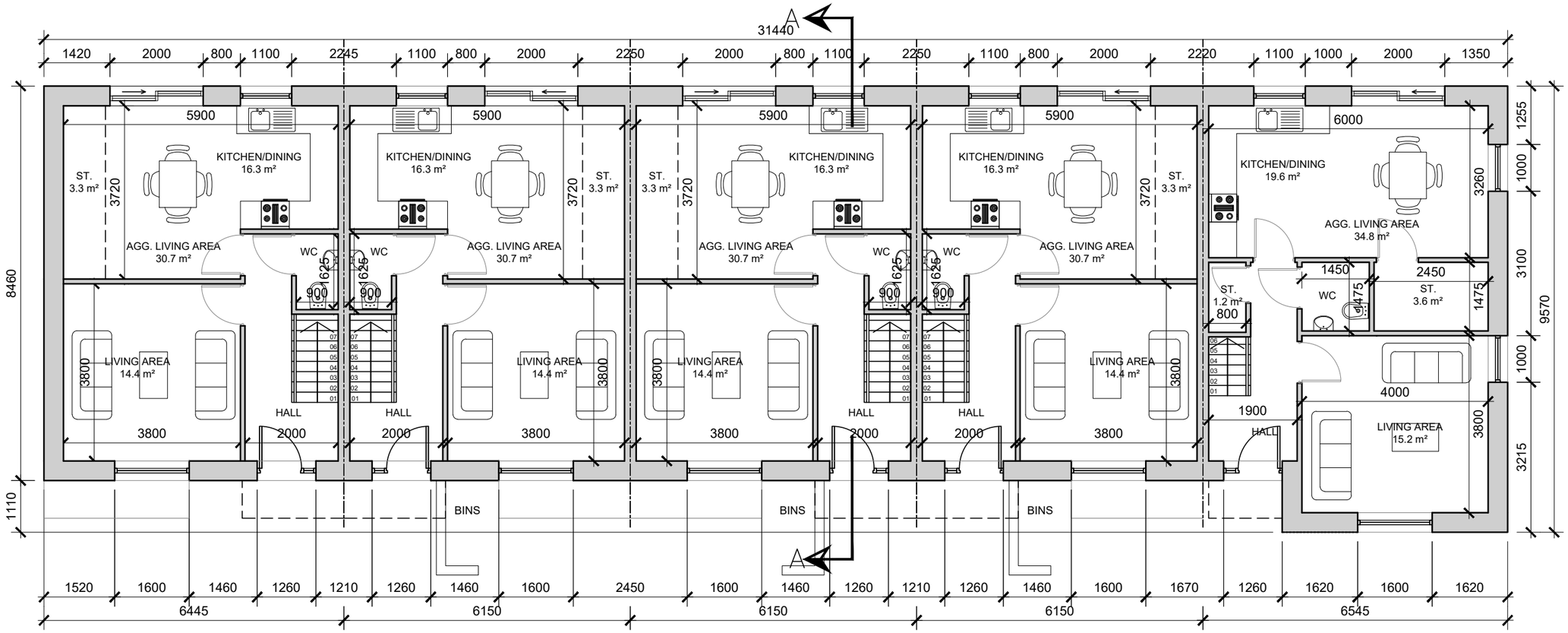
B1 - AREA: *90.0 SQ.M.*
969 SQ.FT.

B1(M) - AREA: *90.0 SQ.M.*
969 SQ.FT.

B1 - AREA: *90.0 SQ.M.*
969 SQ.FT.

B1(M) - AREA: *90.0 SQ.M.*
969 SQ.FT.

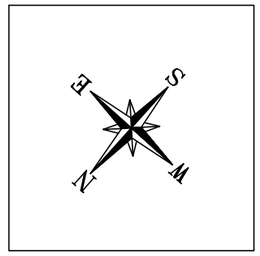
C1(M) - AREA: *95.9SQ.M.*
1032 FT.



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 43-47 SHOWN
FFL +49.95, +49.50



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
22.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

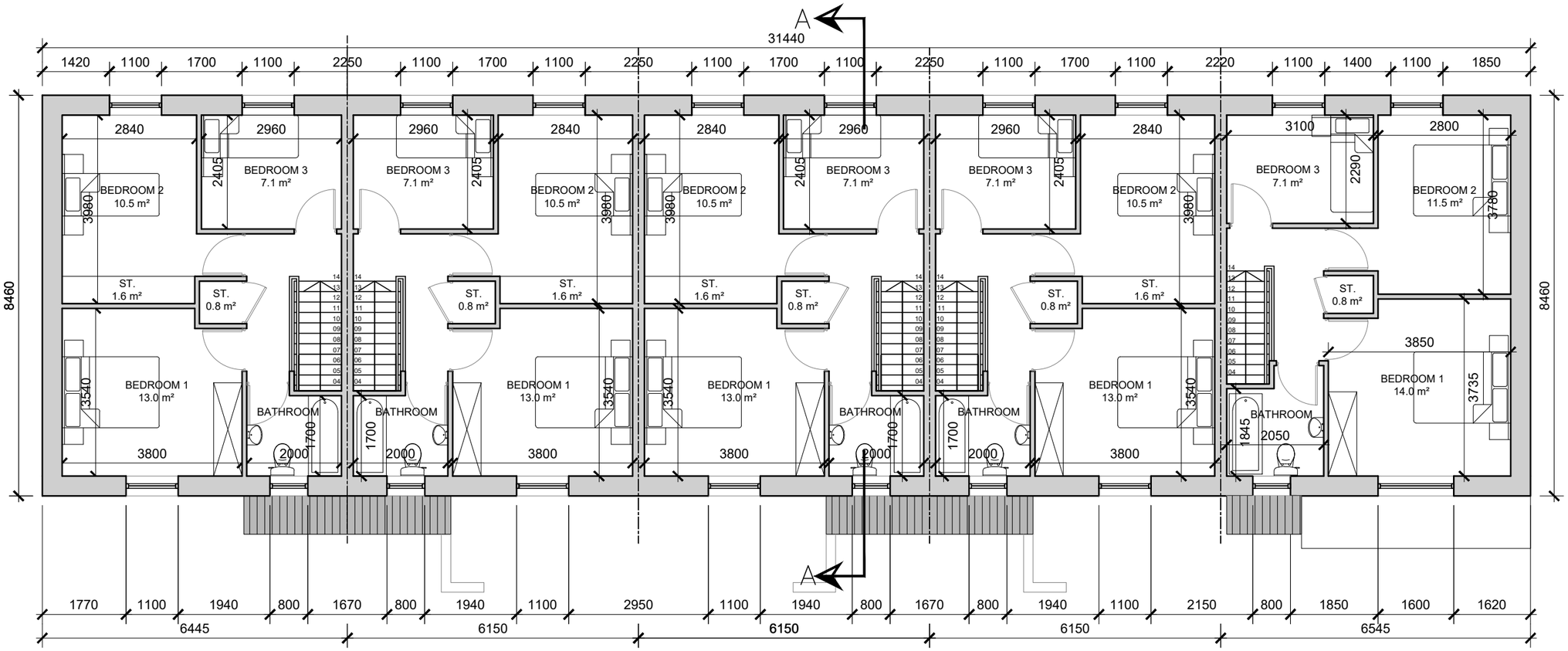
Drawing title
BLOCK 10
GROUND FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1001	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

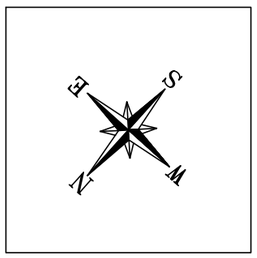
DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 43-47 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
22.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 10
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

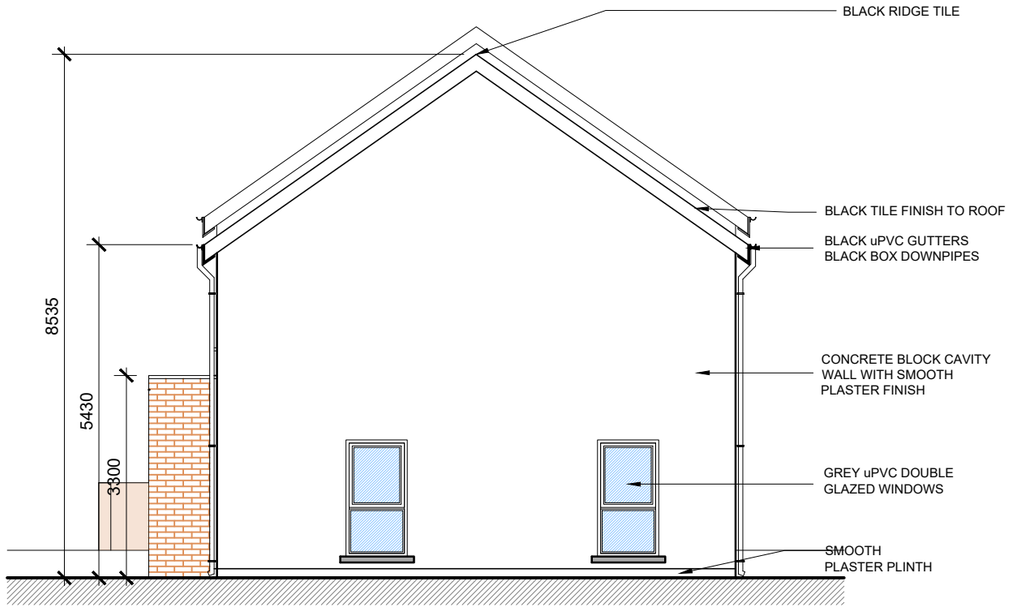
Project No.	Drg. No.	Revision
17079	17079/P/1002	P1

☐ Information \ Comments ☐ Tender
☒ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
22.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 10
FRONT & SIDE ELEVATIONS

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

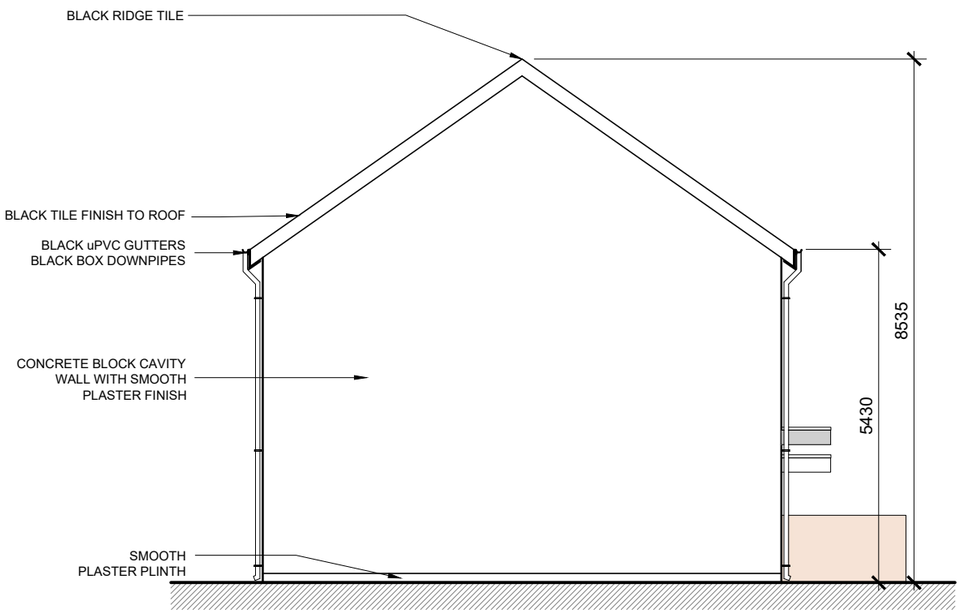
Project No.	Drg. No.	Revision
17079	17079/P/1003	P1

- [ ] Information \ Comments
- [ ] Tender
- [x] Planning
- [ ] Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

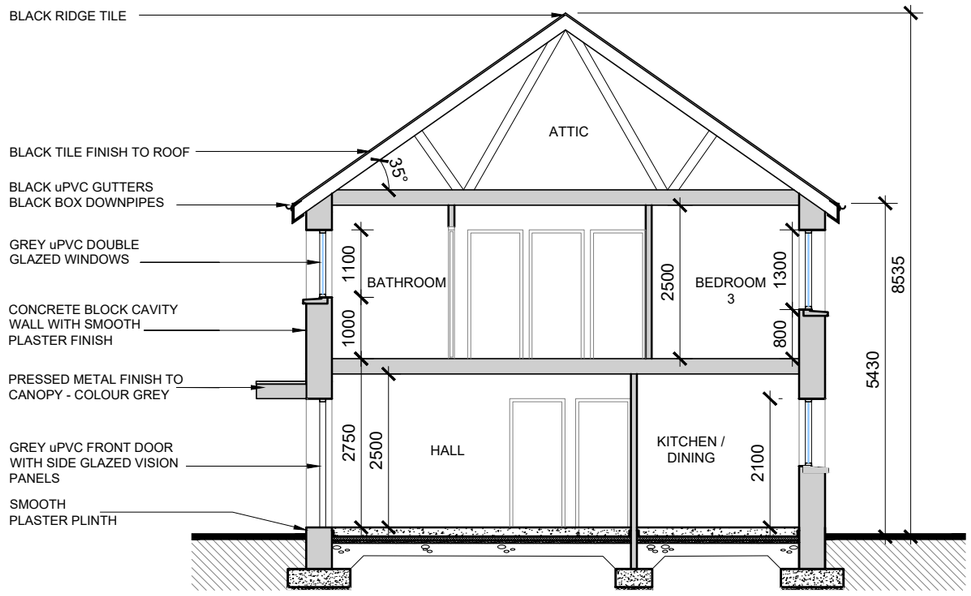
REAR ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
22.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel 0214355016 Fax 0214355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD MALLOW ROAD, BLACKPOOL,
CO. CORK

Drawing title
BLOCK 10
REAR, SIDE ELEVATIONS & SECTION A-A

Scale	Drawn	Checked	Date
1/100 @ A3	VB	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1004	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

3D RENDER - BLOCK 11

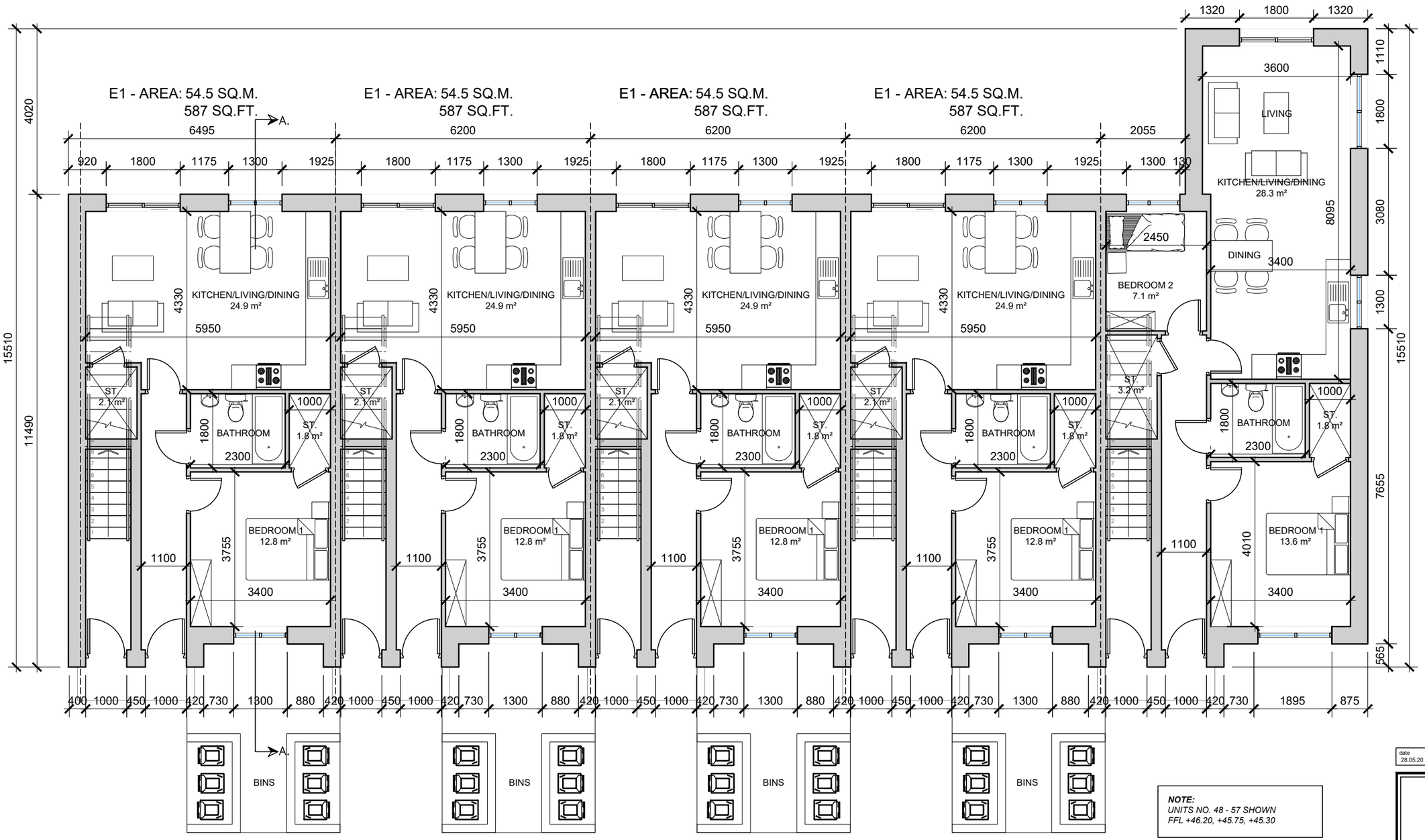
RESIDENTIAL DEVELOPMENT AT OLD MALLOW ROAD, BLACKPOOL, CO.CORK

PROJECT NO.: 17079
DRAWING NO.: 17079-SK-1100
DATE: 28.05.2020

DEADY GAHAN
ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



GROUND FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 48 - 57 SHOWN
FFL +46.20, +45.75, +45.30

NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email:info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT MALLOW ROAD, BLACKPOOL,
CO CORK

Drawing title
BLOCK 11
GROUND FLOOR PLAN

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1101	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

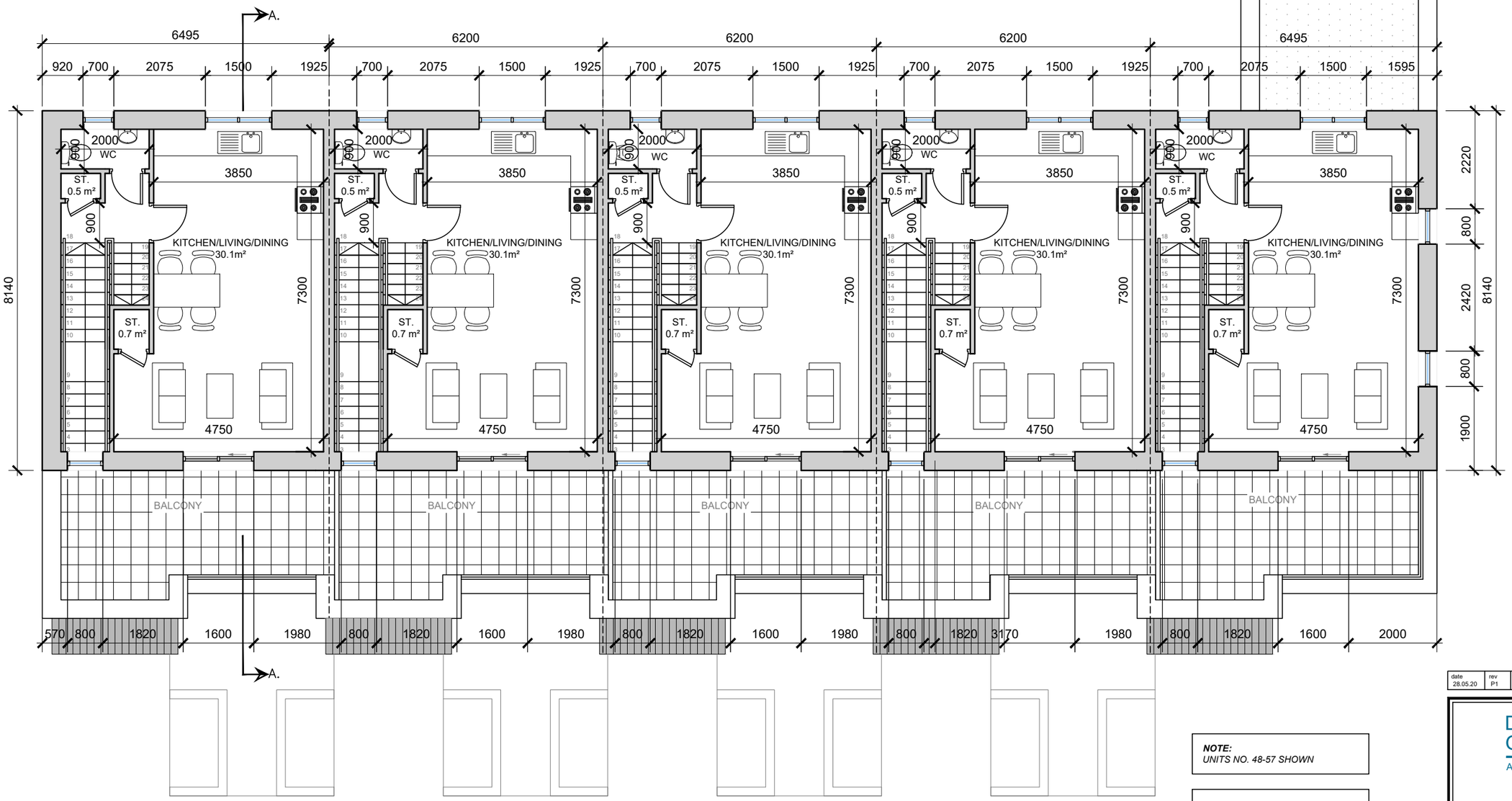
E2 - AREA: *81.6 SQ.M.*
878 SQ.FT.
(with access staircase and ground floor entrance = 90.5 sq.m)

E2 - AREA: *81.6 SQ.M.*
878 SQ.FT.
(with access staircase and ground floor entrance = 90.5 sq.m)

E2 - AREA: *81.6 SQ.M.*
878 SQ.FT.
(with access staircase and ground floor entrance = 90.5 sq.m)

E2 - AREA: *81.6 SQ.M.*
878 SQ.FT.
(with access staircase and ground floor entrance = 90.5 sq.m)

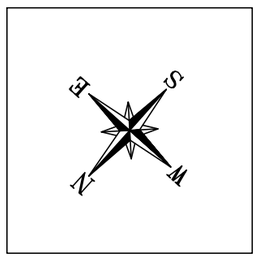
E4 - AREA: *81.6 SQ.M.*
878 SQ.FT.
(with access staircase and ground floor entrance = 90.5 sq.m)



FIRST FLOOR PLAN

SCALE 1:100 @ A3

NOTE:
UNITS NO. 48-57 SHOWN



NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT MALLOW ROAD, BLACKPOOL,
CO CORK

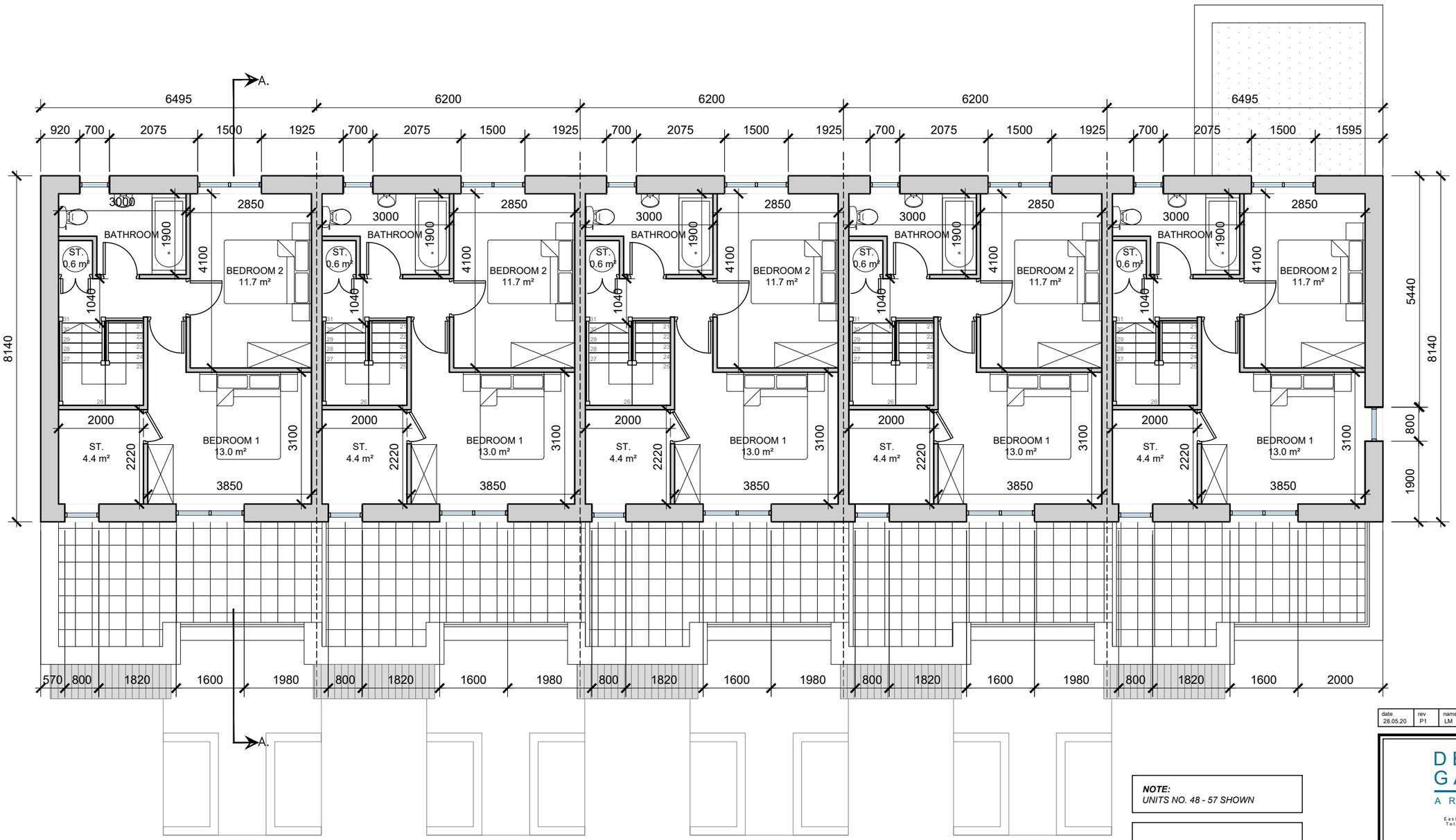
Drawing title
BLOCK 11
FIRST FLOOR PLAN

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1102	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



NOTE:
UNITS NO. 48 - 57 SHOWN

NOTE: *UNIT TYPE NOTED WITH '(M)' REFERS TO THE MIRRORED VERSION OF THIS UNIT TYPE.*

SECOND FLOOR PLAN

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS
Eastgate Village, Little Island, Cork
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Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT MALLOW ROAD, BLACKPOOL,
CO CORK

Drawing title
BLOCK 11
SECOND FLOOR PLAN

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1103	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

FRONT ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email:info@dgarchitects.ie

Project

PROPOSED RESIDENTIAL DEVELOPMENT

AT MALLOW ROAD, BLACKPOOL,

CO CORK

Drawing title

BLOCK 11

FRONT ELEVATION

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1104	P1

☐ Information \ Comments ☐ Tender

☐ Planning ☐ Construction

DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY.
ALL EXISTING DIMENSIONS TO BE CHECKED ON SITE.
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5

REAR ELEVATION

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT MALLOW ROAD, BLACKPOOL,
CO CORK

Drawing title
BLOCK 11
REAR ELEVATION

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1105	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

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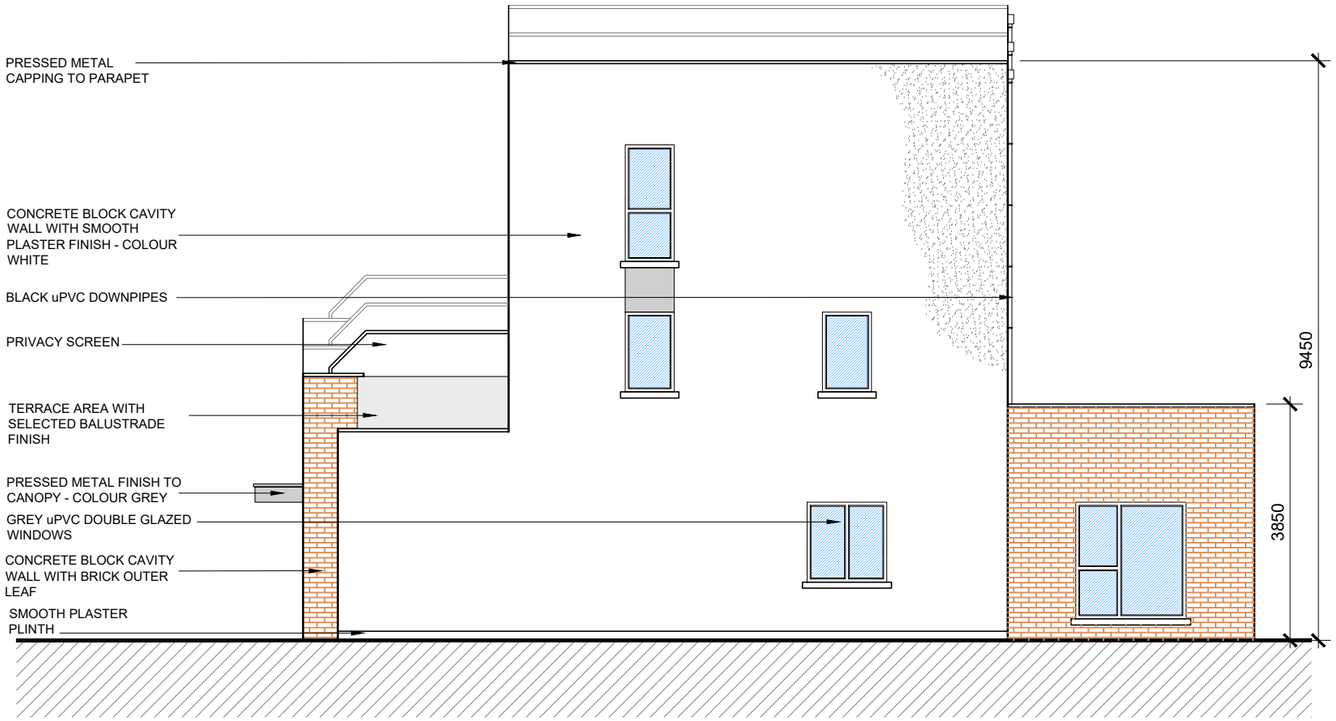
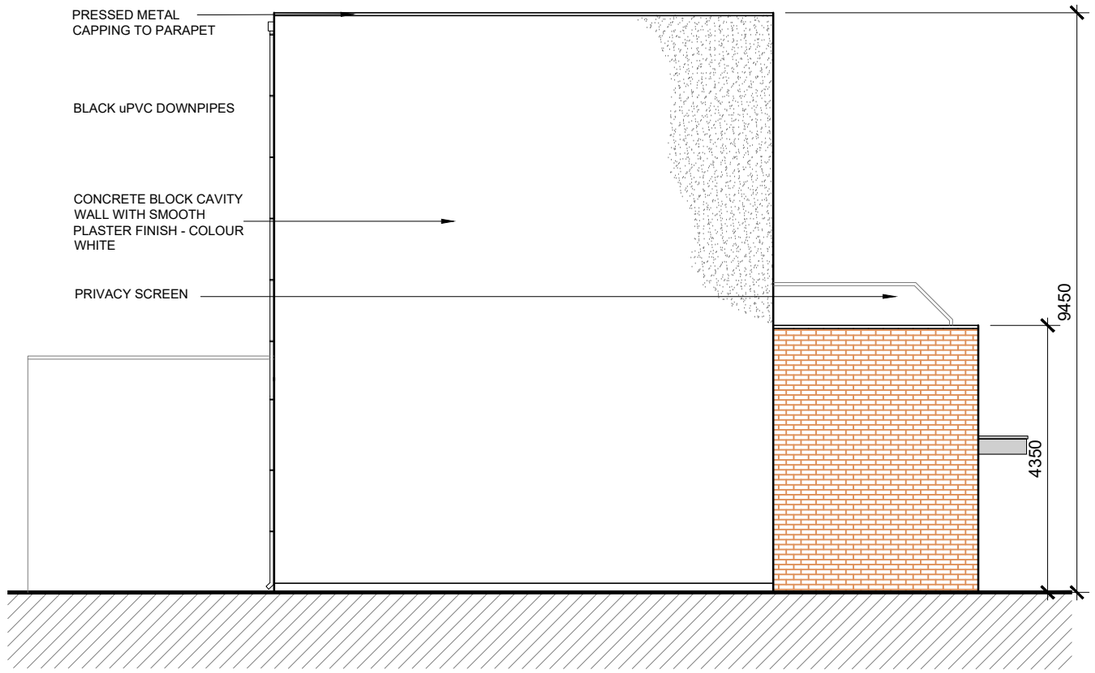
DRAWN ON AUTOCAD R2004 AT DEADY GAHAN ARCHITECTS LTD
LAYERS ON THIS DRAWING COMPLY WITH BS 1192: PART 5



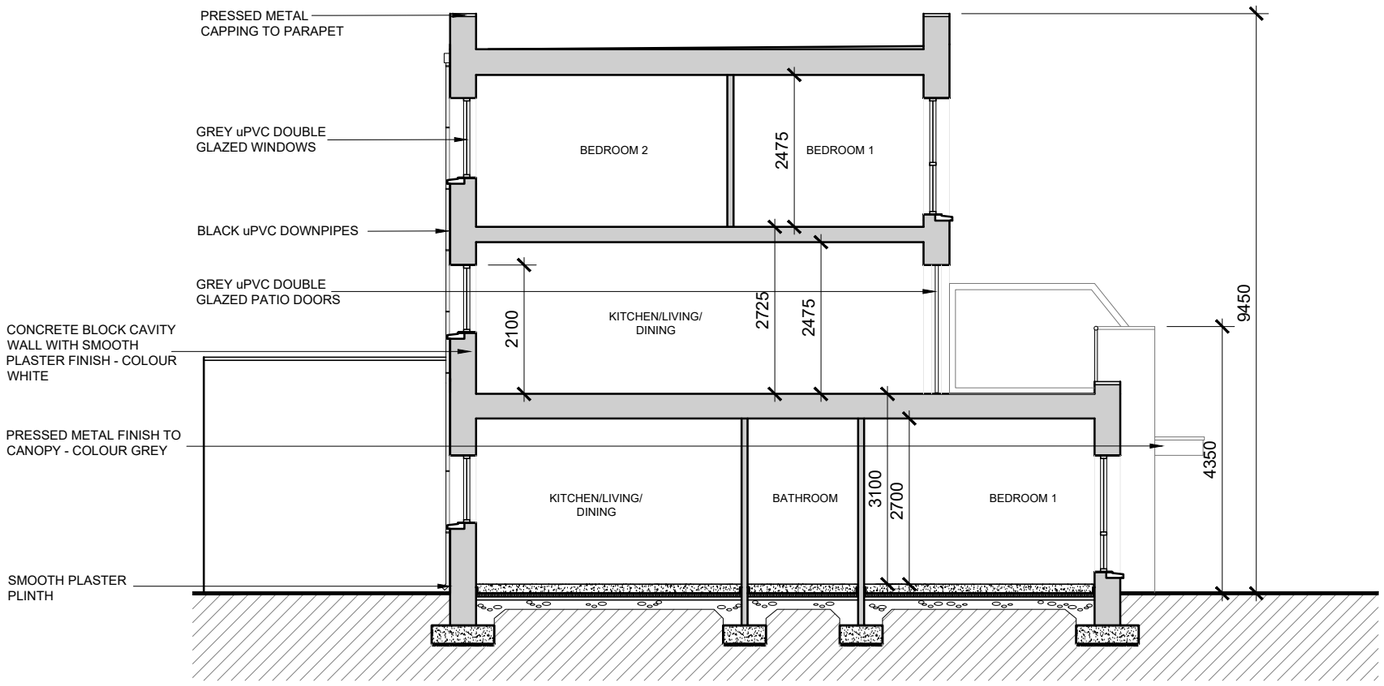
SIDE ELEVATION

SCALE 1:100 @ A3



SIDE ELEVATION

SCALE 1:100 @ A3



SECTION A-A

SCALE 1:100 @ A3

date	rev	name	chk	note
28.05.20	P1	LM	EJG	ISSUE FOR PLANNING

DEADY GAHAN ARCHITECTS

Eastgate Village, Little Island, Cork
Tel: 021 4355016 Fax: 021 4355330
Email: info@dgarchitects.ie

Project
PROPOSED RESIDENTIAL DEVELOPMENT
AT MALLOW ROAD, BLACKPOOL,
CO CORK

Drawing title
BLOCK 11
SIDE ELEVATIONS AND SECTION A-A

Scale	Drawn	Checked	Date
1:100 @ A3	LM	EJG	11.09.19

Project No.	Drg. No.	Revision
17079	17079/P/1106	P1

☐ Information \ Comments ☐ Tender
☐ Planning ☐ Construction

Residential Development
Old Mallow Road, Blackpool, Cork

Planning Drawings

4828-4005	Drawing Index & Locality Plan
4828-4010	Proposed Road Layout & Levels & Vechilar Turning Analysis
4828-4012	Proposed Sightlines Layout
4828-4015	Proposed Speed Control Measures & Pedestrian Crossings
4828-4020	Proposed Drainage Layout (1 of 2)
4828-4021	Proposed Drainage Layout (2 of 2)
4828-4023	Proposed Wastewater Details (Sheet 1 of 2)
4828-4024	Proposed Wastewater Details (Sheet 2 of 2)
4828-4030	Proposed Watermain Layout (1 of 2)
4828-4031	Proposed Watermain Layout (2 of 2)
4828-4032	Proposed Watermain Details (Sheet 1 of 2)
4828-4033	Proposed Watermain Details (Sheet 2 of 2)
4828-4040	Proposed Storm Water Attenuation Tank
4828-4060	Proposed Foul Sewer Longitudinal Sections
4828-4070	Proposed Storm Sewer Longitudinal Sections

Drawing Index

Locality Plan
Scale: N.T.S.

DOSA
DENIS O'SULLIVAN & ASSOCIATES
CONSULTING ENGINEERS

Joyce House
Barrack Square
Ballincollig
Co Cork
P31 KP84

021 4871781
info@dosa.ie
www.dosa.ie

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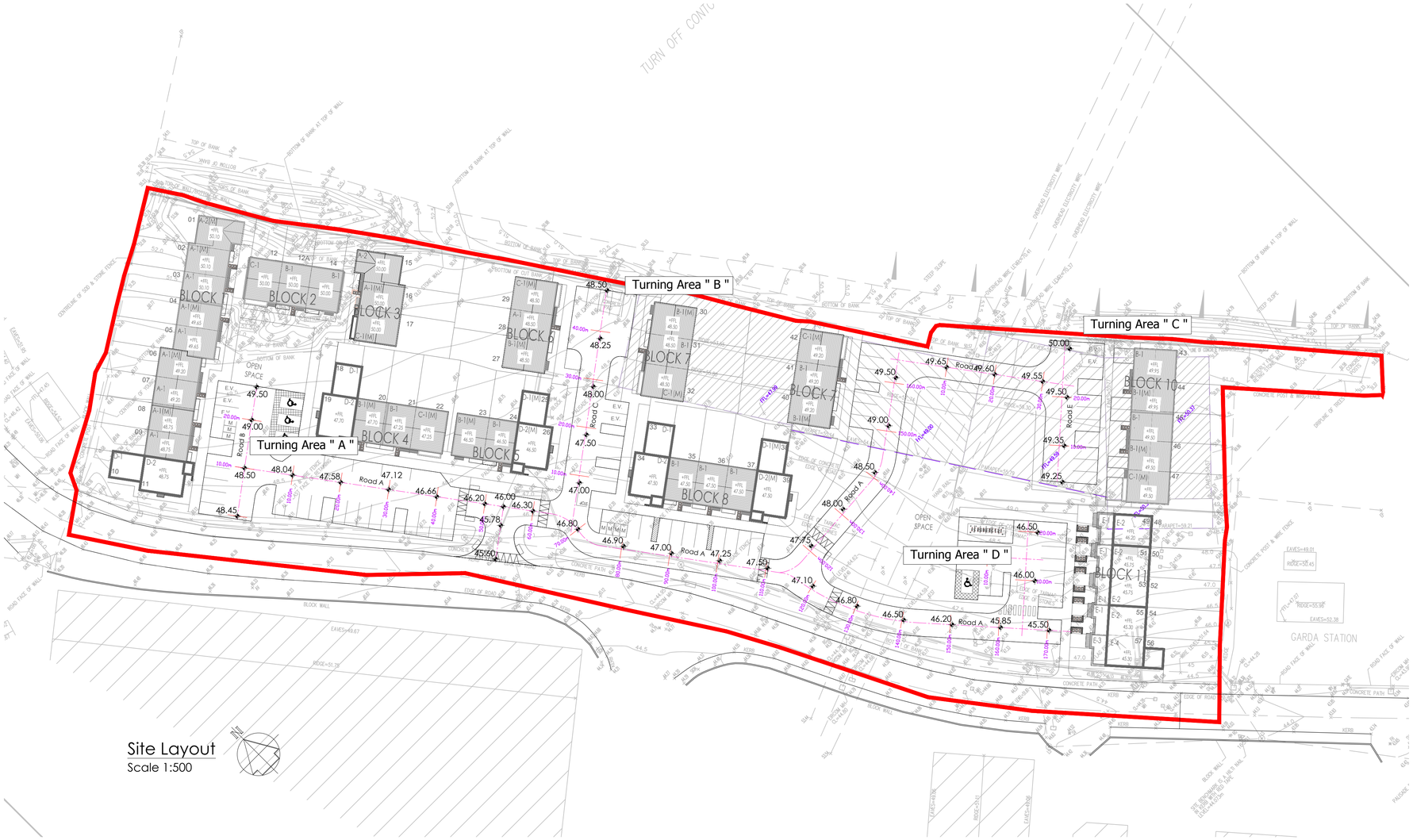
REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

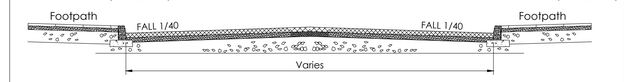
DRAWING TITLE: Drawing Index & Locality Plan

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4005	A

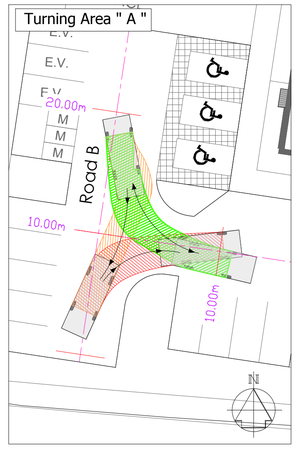


Site Layout
Scale 1:500

Note:
Refer to Landscape Plan for proposed finishes

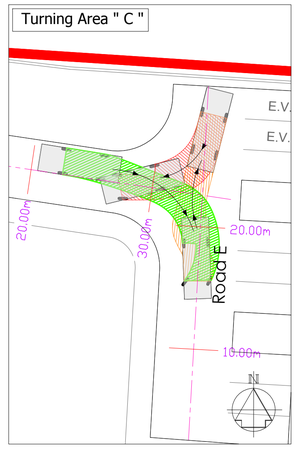


Typical Road Detail for Internal Estate Roads
Scale 1:50



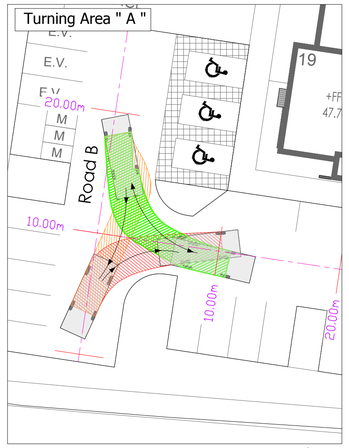
Refuse Truck Turning Head Analysis
Scale : 1:250

Refuse Truck Turning Head Analysis
Scale : 1:250

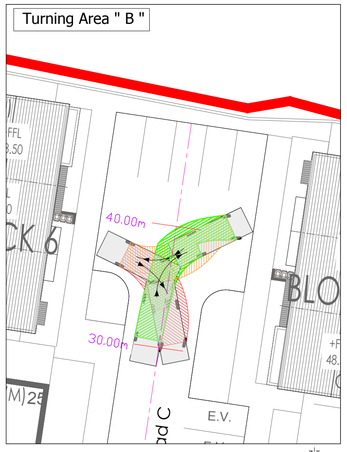


Refuse Truck Turning Head Analysis
Scale : 1:250

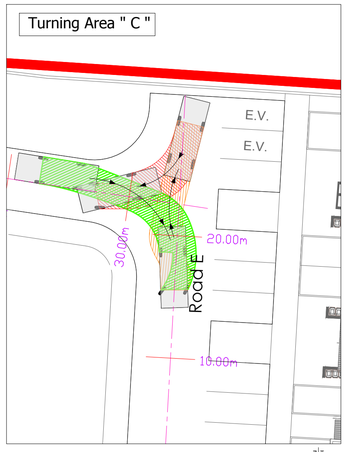
Refuse Truck Turning Head Analysis
Scale : 1:250



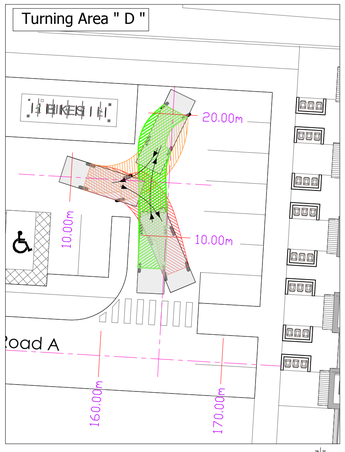
Fire Tender Turning Head Analysis
Scale : 1:250



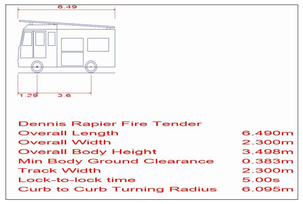
Fire Tender Turning Head Analysis
Scale : 1:250

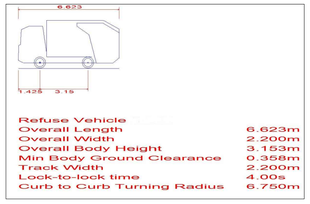


Fire Tender Turning Head Analysis
Scale : 1:250



Fire Tender Turning Head Analysis
Scale : 1:250





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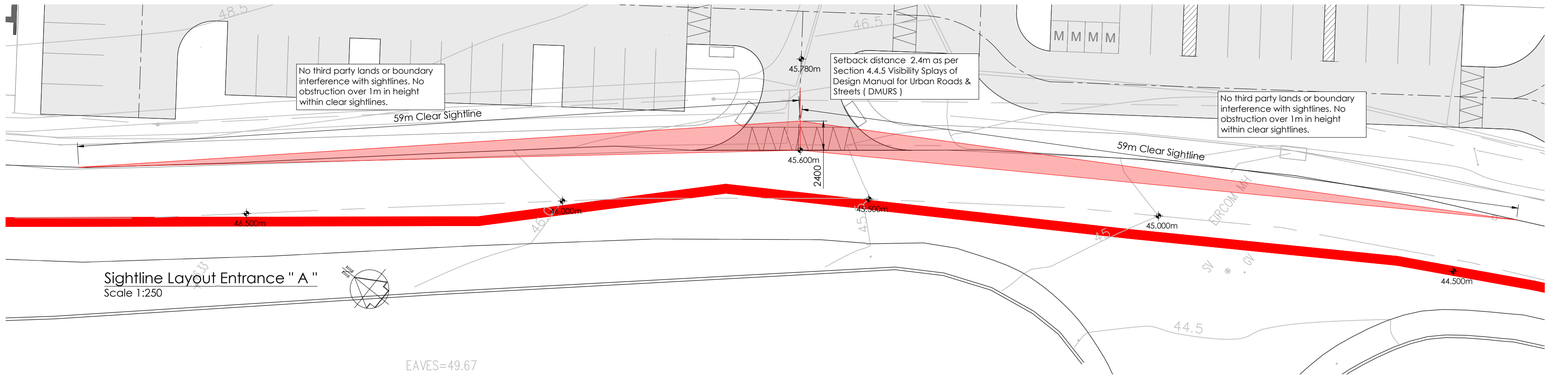
REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
D	G.S.	S.O'G	C.O'S	25.05.20	Revised & Reissued for Planning
C	G.S.	S.O'G	C.O'S	06.04.20	Revised & Reissued for Planning
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

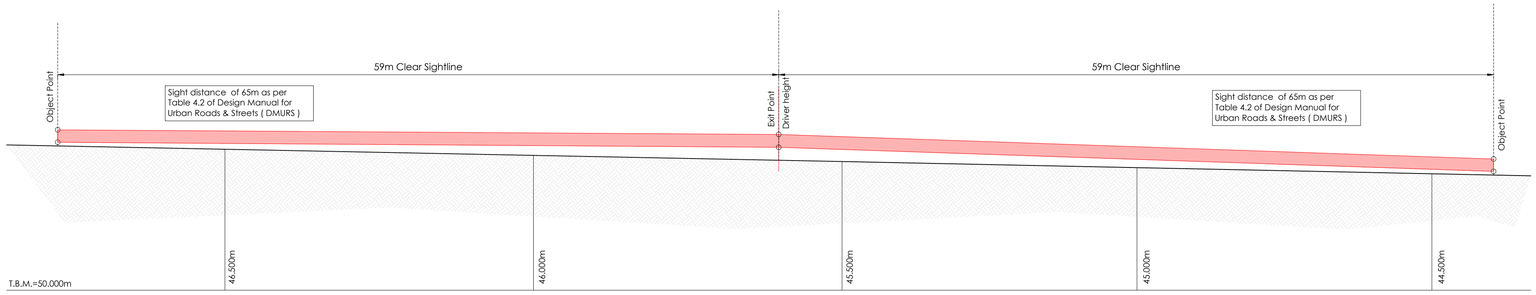
DRAWING TITLE
Proposed Road Layout & Levels & Turning Analysis

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:500	4828	0010	D

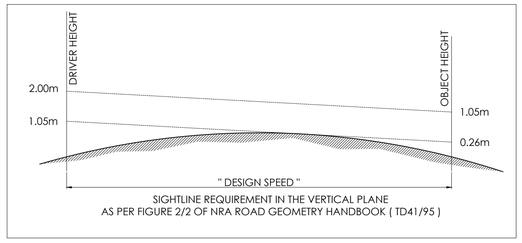


Sightline Layout Entrance " A "
Scale 1:250

Key Plan
Scale : 1:1250



Sightline Elevation Entrance " A " - Proposed Vertical Alignment
Scale 1:250



SIGHTLINE REQUIREMENT IN THE VERTICAL PLANE
AS PER FIGURE 2/2 OF NRA ROAD GEOMETRY HANDBOOK (TD41/95)

Setback distance 2.4m as per Section 4.4.5 Visibility Splays of Design Manual for Urban Roads & Streets (DMURS)

Design speed (Km/h)	SSD Standard (Meters)
10 (Km/h)	7m
20 (Km/h)	14m
30 (Km/h)	23m
40 (Km/h)	33m
50 (Km/h)	45m
60 (Km/h)	59m

Table 4.2 of Design Manual for Urban Roads & Streets (DMURS)

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
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B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

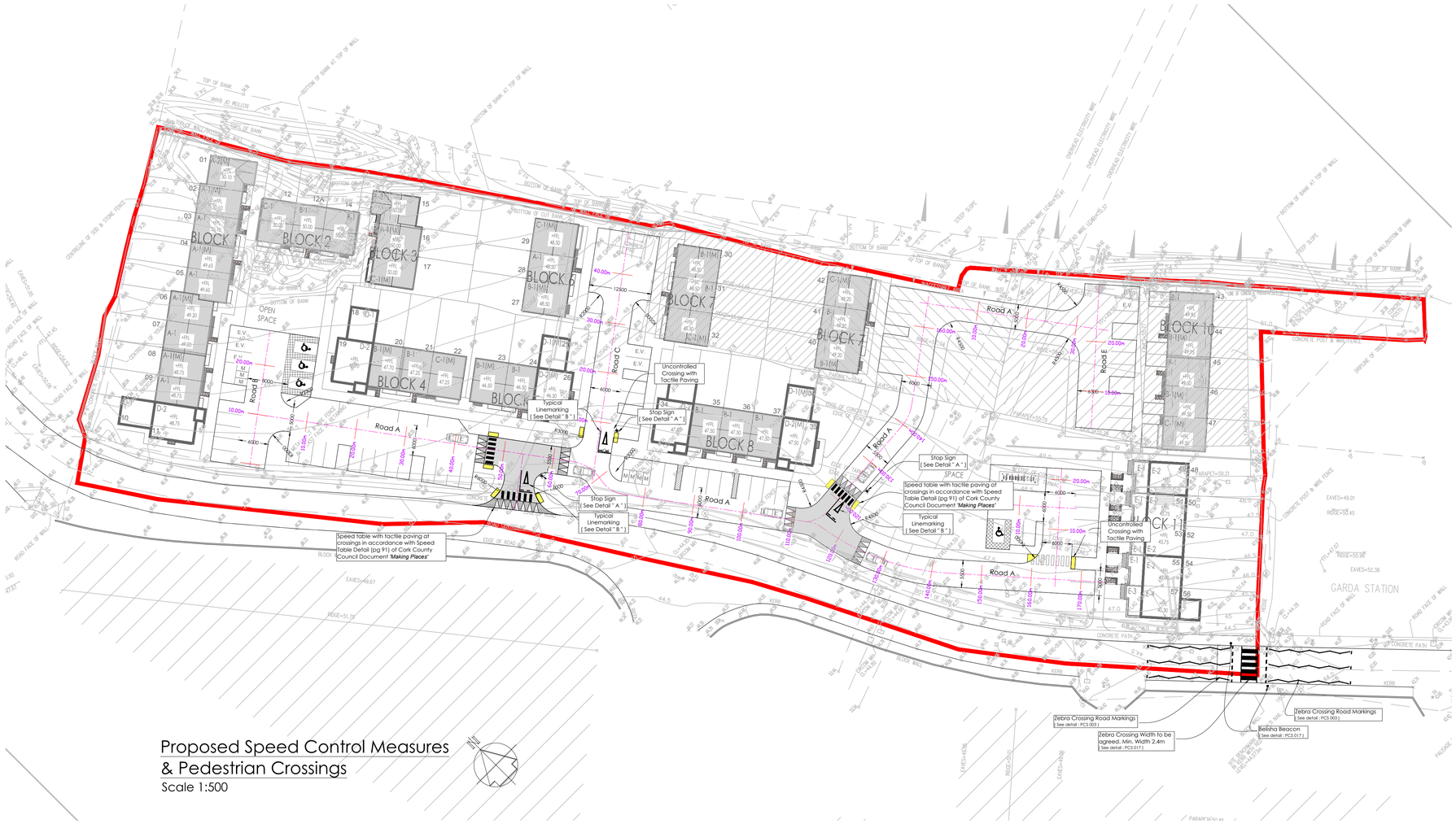
PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE
Proposed Sightlines Layouts

SHEET
A1

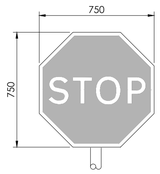
SCALE
1:500

PROJECT NO. 4828 _ DRAWING NO. 4012 _ STATUS/ISSUE D



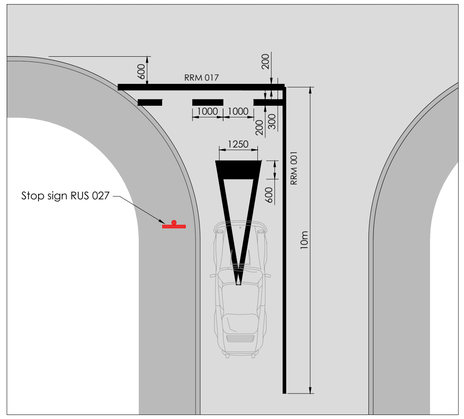
Proposed Speed Control Measures & Pedestrian Crossings

Scale 1:500

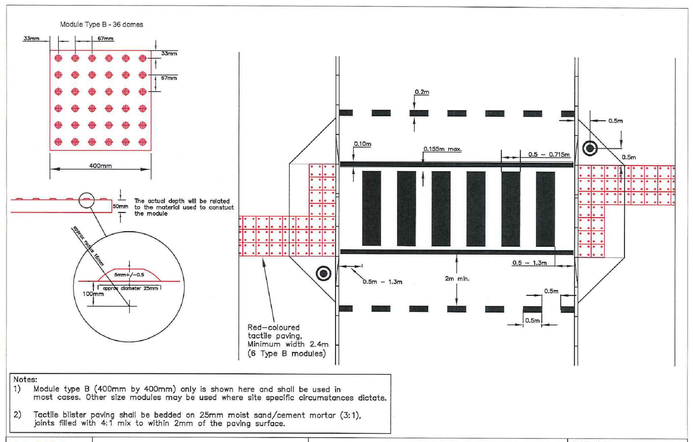


Speed Km/h	Sign Size
< 50	750mm
50-60	750-900mm
60<	900-1200mm

Detail ' A ' - Stop Sign

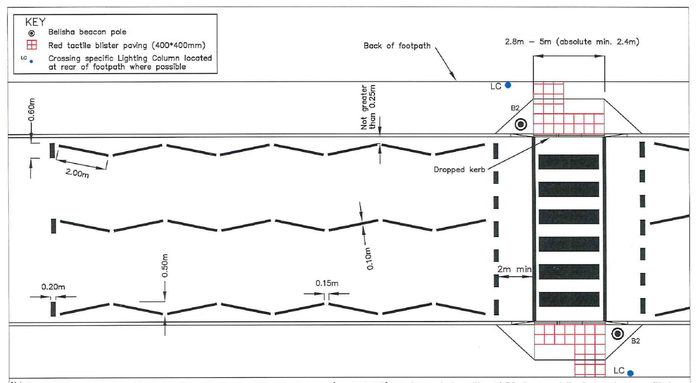


Detail 'B' - Typical Linemarking



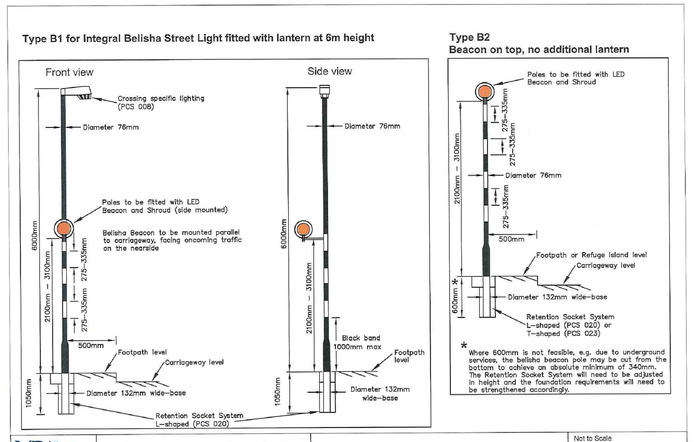
Notes:
1) Module type B (400mm by 400mm) only is shown here and shall be used in most cases. Other size modules may be used where site specific circumstances dictate.
2) Tactile blister paving shall be bedded on 25mm moist sand/cement mortar (3:1), joints filled with 4:1 mix to within 2mm of the paving surface.

NRA National Roads Authority	Pedestrian Crossing Specification Notes for Guidance	Zebra Crossing Tactile Paving and Road Markings Detail	Not to Scale Date: April 2011 Dwg no. PCS 014



Notes:
1) Alternatively Type B1 combined lamp columns and belisha beacons (see PCS 017) can be used at position of B2 shown and the lamp columns omitted.
2) A clear footpath passage width of 1.2m should be maintained between all street furniture, trees etc.
3) For tactile paving and road markings details refer to PCS 014.
4) For details of the length of zigzag markings refer to the Traffic Signs Manual.
5) For details of the specific Lighting Column refer to PCS 008.
6) Dropped kerbs must be laid flush with carriageway surface, with an absolute maximum upstand of 6mm.

NRA National Roads Authority	Pedestrian Crossing Specification Notes for Guidance	Zebra Crossing Road Markings and General Layout	Not to Scale Date: April 2011 Dwg no. PCS 003



NRA National Roads Authority	Pedestrian Crossing Specification Notes for Guidance	Belisha Beacon Pole Detail	Not to Scale Date: April 2011 Dwg no. PCS 017

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A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

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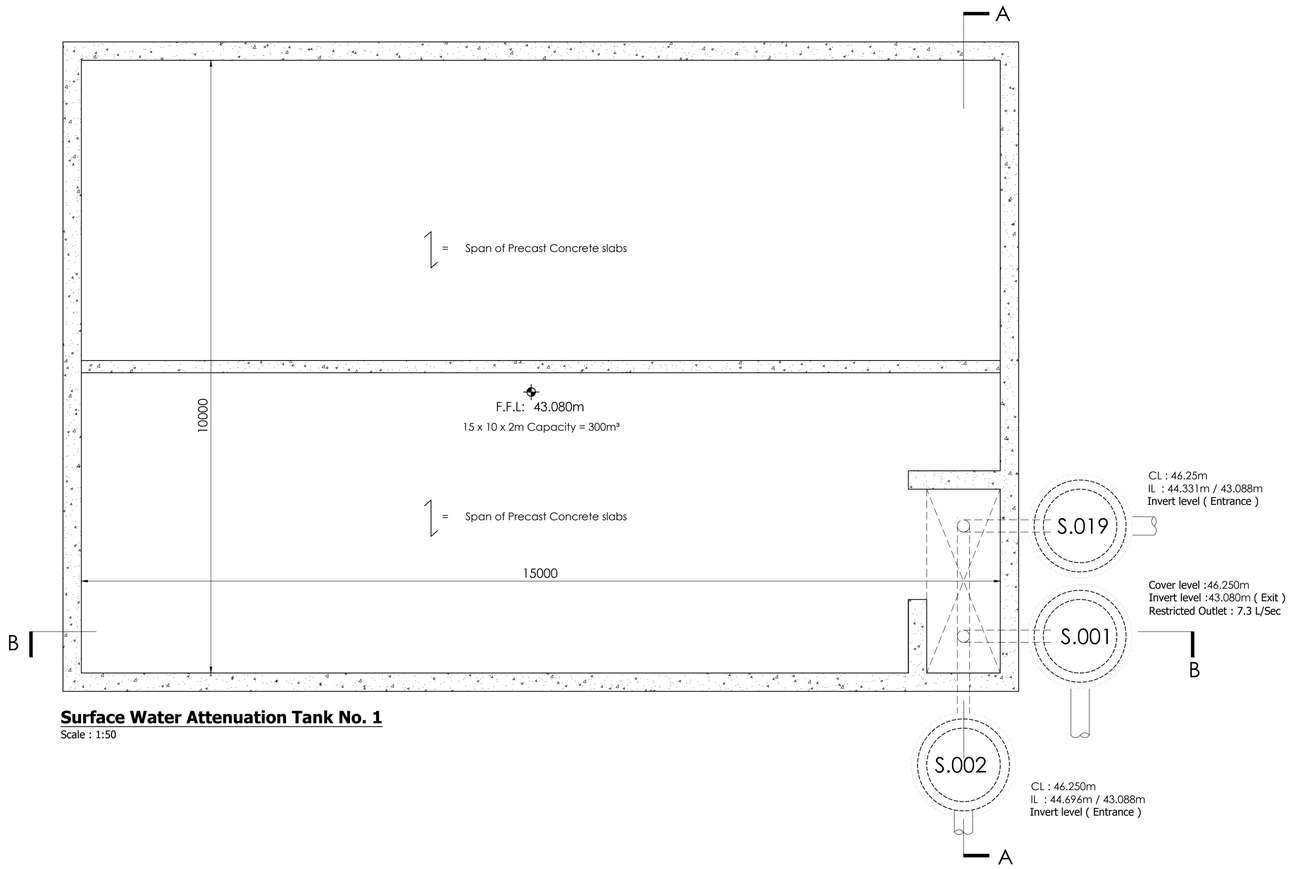
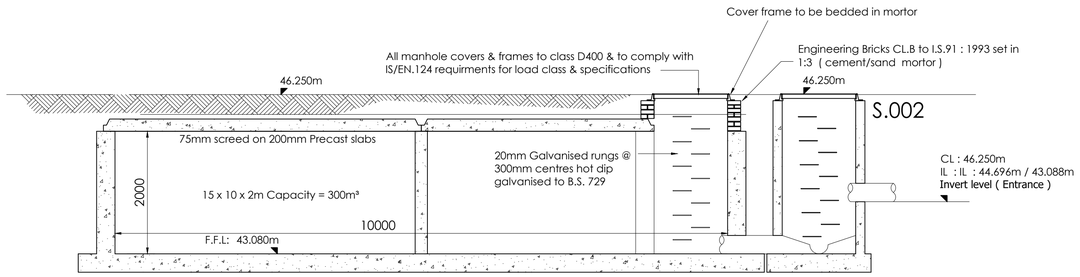
PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE: Proposed Speed Control Measures & Pedestrian Crossings

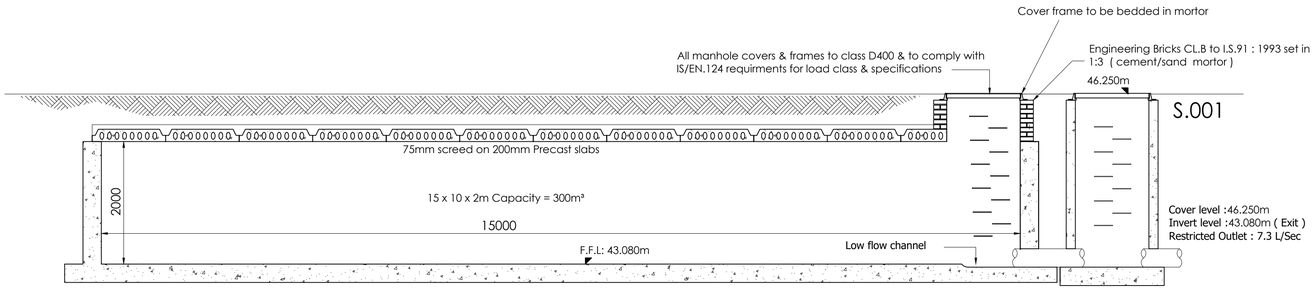
SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:500	4828	4015	D



Surface Water Attenuation Tank No. 1
Scale : 1:50



Section A-A
Scale : 1:50



Section B-B
Scale : 1:50

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

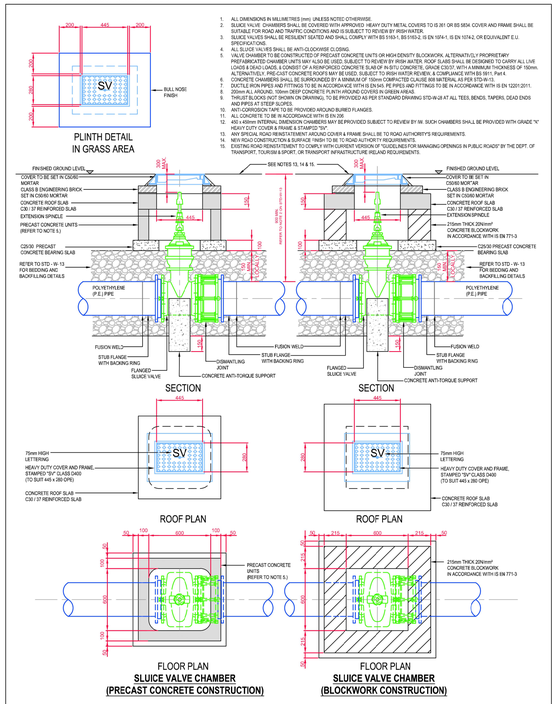
CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE
Proposed Storm Water Attenuation Tank

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4040	B

IW-CDS-5020-01 Rev. 03 December 2017



1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. SLUICE VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 OR BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. SLUICE VALVES SHALL BE RESILIENT SEATED AND SHALL COMPLY WITH BS 5163-1, BS 5163-2, IS EN 1074-1, IS EN 1074-2, OR EQUIVALENT E.U. SPECIFICATIONS.
4. ALL SLUICE VALVES SHALL BE ANTI-CLOCKWISE CLOSING.
5. VALVE CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK, ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED. SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW & COMPLIANCE WITH BS 5911, Part 4.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011.
8. 200mm ALL AROUND. 100mm DEEP CONCRETE PLINTH AROUND COVER IN GRASS AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
12. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
13. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
14. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
15. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

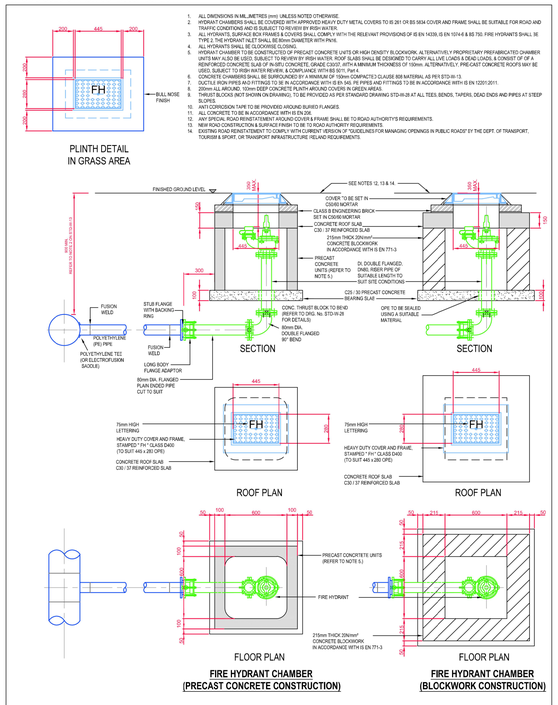
No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Revised & Added Notes	WO
1	09/16	JMCTOC		Revised notes 2, 3 & 6	WO
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (< 350mm DIA.) (Sheet 2 of 2)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 15 | REV 2

IW-CDS-5020-01 Rev. 03 December 2017



1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 OR BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. ALL HYDRANTS, SURFACE BOX FRAMES & COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF IS EN 14339, IS EN 10314 & BS 750. FIRE HYDRANTS SHALL BE TYPE 2, THE HYDRANT INLET SHALL BE 80mm DIAMETER WITH PN16.
4. ALL HYDRANTS SHALL BE FROST PROOF TYPE.
5. HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK, ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED. SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW & COMPLIANCE WITH BS 5911, Part 4.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES / FITTINGS AND PE PIPES / FITTINGS TO BE IN ACCORDANCE WITH IS EN 545 AND IS EN 12201:2011.
8. 200mm ALL AROUND. 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
12. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
13. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
14. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
15. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
3	11/17	JMCTOC		Revised & added notes, & revised pipework	WO
2	09/16	JMCTOC		Revised notes 2, 3 & 6	WO
1	04/16	JMCTOC		Added thrust blocks	WO
0	09/15	JMCTOC		Initial Issue	SL

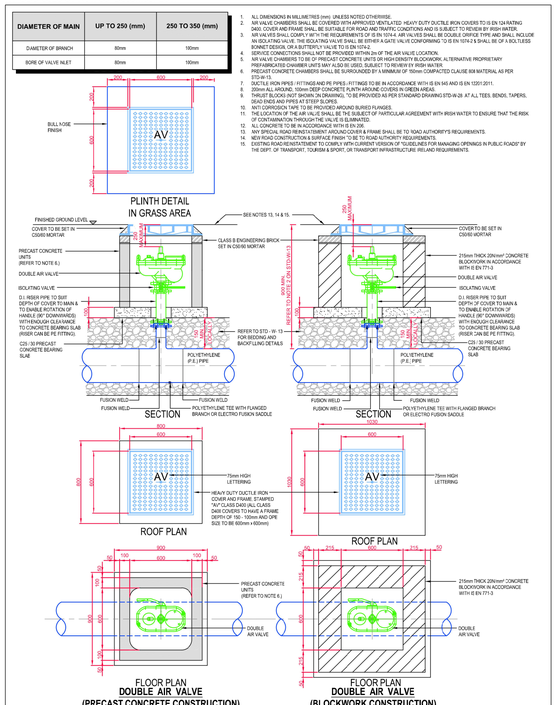
STANDARD DETAILS - WATER

TITLE: OFF - LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE (Sheet 4 of 4)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 19 | REV 3

IW-CDS-5020-01 Rev. 03 December 2017

DIAMETER OF MAIN	UP TO 250 (mm)	250 TO 350 (mm)
DIAMETER OF BRANCH	80mm	150mm
BORE OF VALVE INLET	80mm	150mm



1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. NR VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY DUCTILE IRON COVERS TO IS EN 124 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
3. NR VALVES SHALL COMPLY WITH THE REQUIREMENTS OF IS EN 1074-4. AIR VALVES SHALL BE DOUBLE ORIFICE TYPE AND SHALL INCLUDE AN ISOLATING VALVE. THE ISOLATING VALVE SHALL BE EITHER A GATE VALVE CONFORMING TO IS EN 1074-2 & SHALL BE OF A BOLTLESS BONNET DESIGN, OR A BUTTERFLY VALVE TO IS EN 1074-2.
4. SERVICE CONNECTIONS SHALL NOT BE PROVIDED WITHIN 2m OF THE AIR VALVE LOCATION.
5. AIR VALVE CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK, ALTERNATIVE PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED. SUBJECT TO REVIEW BY IRISH WATER.
6. PRECAST CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES / FITTINGS AND PE PIPES / FITTINGS TO BE IN ACCORDANCE WITH IS EN 545 AND IS EN 12201:2011.
8. 200mm ALL AROUND. 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
11. THE LOCATION OF THE AIR VALVE SHALL BE THE SUBJECT OF PARTICULAR AGREEMENT WITH IRISH WATER TO ENSURE THAT THE RISK OF CONTAMINATION THROUGH THE VALVE IS ELIMINATED.
12. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
13. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
14. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
15. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

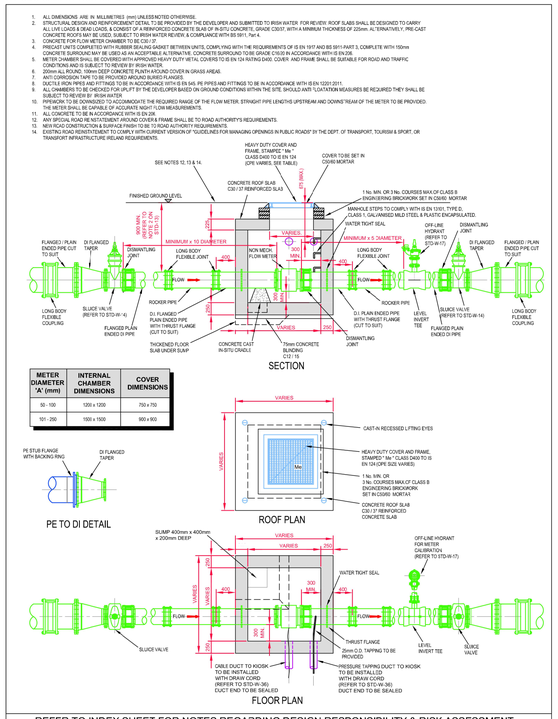
No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Added & updated notes	WO
1	09/16	JMCTOC		Revised notes 2,3 & 8	WO
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: ON - LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE (Sheet 3 of 4)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 22 | REV 2

IW-CDS-5020-01 Rev. 03 December 2017



METER DIAMETER "A" (mm)	INTERNAL CHAMBER DIMENSIONS	COVER DIMENSIONS
50 - 100	1200 x 1200	750 x 750
101 - 250	1500 x 1500	900 x 900

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 225mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW & COMPLIANCE WITH BS 5911, Part 4.
3. CONCRETE FOR PLUNK METER CHAMBER TO BE C30 / 37.
4. METER CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK, ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED. SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW & COMPLIANCE WITH BS 5911, Part 4.
5. METER CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 124 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
6. 200mm ALL ROUND. 100mm DEEP CONCRETE PLINTH AROUND COVER IN GRASS AREAS.
7. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
8. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011.
9. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
10. PIPEWORK TO BE DOWNIZED TO ACCOMMODATE THE REQUIRED RANGE OF THE PLUNK METER. STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO BE PROVIDED. THE METER SHALL BE CAPABLE OF ACCURATE NIGHT FLOW MEASUREMENTS.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
12. ANY SPECIAL ROAD RE NSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
13. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
14. EXISTING ROAD REINSTTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

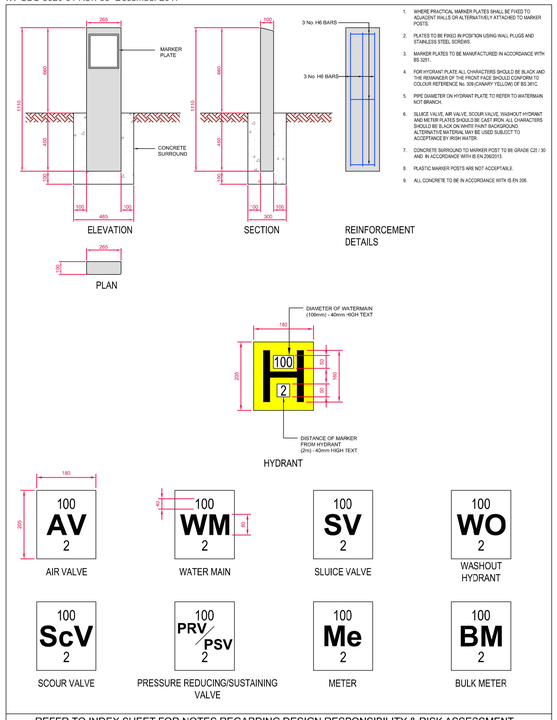
No	Date	Drn	Chk	Description	App
3	11/17	JMCTOC		Revised notes & added table & hydrant	WO
2	09/16	JMCTOC		Added steps & revised cover notes	WO
1	04/16	JMCTOC		Added couplings to details	WO
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: NON-MECH. METER CHAMBER (40 - 250mm DIA.)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 26 | REV 3

IW-CDS-5020-01 Rev. 03 December 2017



1. WHERE PRACTICAL, MARKER PLATES SHALL BE FIXED TO ADJACENT WALLS OR ALTERNATIVELY ATTACHED TO MARKER POSTS.
2. PLATES TO BE FIXED IN POSITION USING WALL PLUGS AND STAINLESS STEEL SCREWS.
3. MARKER PLATES TO BE MANUFACTURED IN ACCORDANCE WITH BS 3251.
4. FOR HYDRANT PLATE ALL CHARACTERS SHOULD BE BLACK AND THE REMAINDER OF THE FRONT FACE SHOULD CONFORM TO COLOUR REFERENCE No. 309 (CANARY YELLOW) OF BS 381C.
5. PIPE DIAMETER ON HYDRANT PLATE TO REFER TO ANTERMAIN NOT BRANCH.
6. SLUICE VALVE, AIR VALVE, SCOUR VALVE, WASHOUT HYDRANT AND METER PLATES SHOULD BE CAST IRON. ALL CHARACTERS SHOULD BE BLACK ON WHITE PAINT BACKGROUND. ALTERNATIVE MATERIAL MAYBE USED SUBJECT TO ACCEPTANCE BY IRISH WATER.
7. CONCRETE SURROUND TO MARKER POST TO BE GRADE C25 / 30 AND IN ACCORDANCE WITH IS EN 206/2013.
8. PLASTIC MARKER POSTS ARE NOT ACCEPTABLE.
9. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Added BM plate & updated notes	WO
1	04/16	JMCTOC		Added washout hydrant plate	WO
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: MARKER POSTS / PLATES

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 27 | REV 2

IW-CDS-5020-01 Rev. 03 December 2017

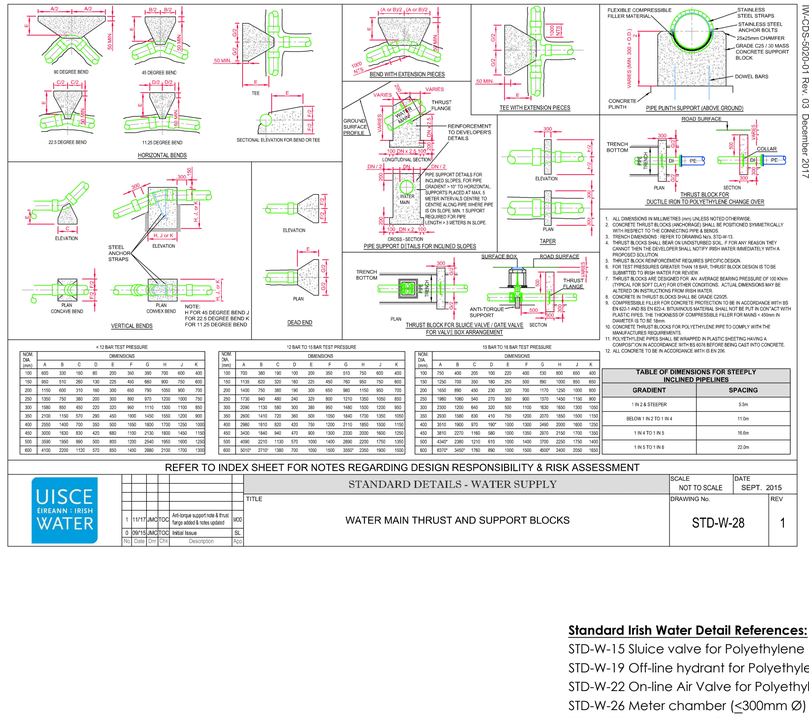


TABLE OF DIMENSIONS FOR STEEPLY INCLINED PIPELINES	
GRADIENT	SPACING
1 IN 2 & STEEPER	5.5m
BELOW 1 IN 2 TO 1 IN 4	11.0m
1 IN 4 TO 1 IN 5	16.6m
1 IN 5 TO 1 IN 6	22.0m

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMCTOC		Anti torque support note & thrust flange added & notes updated	WO
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WATER SUPPLY

TITLE: WATER MAIN THRUST AND SUPPORT BLOCKS

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W-28 | REV 1

Standard Irish Water Detail References:

STD-W-15 Sluice valve for Polyethylene (P.E.) Pipe (<350mmØ)
STD-W-19 Off-line hydrant for Polyethylene (P.E.) Pipe
STD-W-22 On-line Air Valve for Polyethylene (P.E.) Pipe
STD-W-26 Meter chamber (≤300mm Ø)
STD-W-27 Marker posts/ Plates
STD-W-28 Water main thrust & support blocks

Refer to dwg. no. 4828-4030 for plan layout

DOSA
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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT:

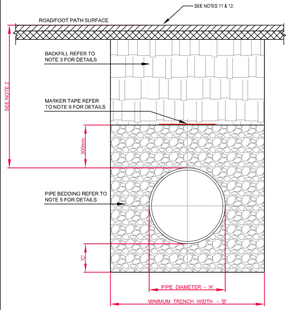
PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE: Proposed Watermain Details (Sheet 1 of 2)

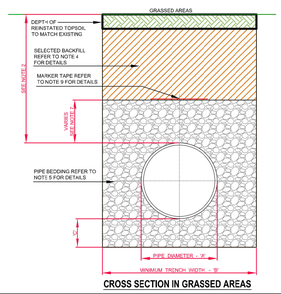
SHEET: A1 | SCALE: 1:500 | PROJECT NO. 4828 | DRAWING NO. 4033 | STATUS/ISSUE A

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRAVITY PIPES **WITHOUT PROTECTION** SHOULD BE 1000mm.
A) GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS - DEPTH NOT LESS THAN 0.5 M. (THIS WOULD NORMALLY RELATE TO DRAINS IN PRIVATE PROPERTY. SHALLOW PIPES OF THIS NATURE ARE UNDESIRABLE AND SHOULD BE INSTALLED IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS).
B) ROADWAYS AND PATHWAYS WITH POSSIBLE HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 0.75 M.
C) DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITHOUT FOOTWAYS (E.G. MEWS DEVELOPMENTS) WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS VEHICLE WEIGHT NOT EXCEEDING 7.5 TONNES - DEPTH NOT LESS THAN 0.9 M.
D) DEPTHS OF SEWERS IN GATED ESTATES SHALL BE SIMILAR TO THAT OUTLINED ABOVE.
E) AGRICULTURAL LAND AND PUBLIC OPEN SPACE - DEPTH NOT LESS THAN 0.9 M.
F) OTHER HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 1.0 M.
3. CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE SEWER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 1m OF THE PAVED EDGE OF THE ROADWAY. CLAUSE 804 / 808 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 804 / 808 IS TO BE WITHIN 500mm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804 OR CLAUSE 808) OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES **WRITTEN** MATERIAL TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.
4. SELECTED EXCAVATED MATERIAL MAY BE USED IN GREEN FIELD AREAS ABOVE GRANULAR PIPE SURROUND MATERIAL SUBJECT TO REVIEW BY IRISH WATER.
5. PIPE BEDDING SHALL COMPLY WITH WIS 4-08-02 AND IGN 4-08-01 GRANULAR MATERIAL SHALL BE 14mm TO 5mm GRADED AGGREGATE IN ACCORDANCE WITH NATIONAL STD BS EN 13242. CONCRETE BED, HAUNCH & SURROUND, WHERE REQUIRED, SHALL BE TO STD-WW-08.
6. IN SOFT GROUND CONDITIONS (CBR < 5) THE MATERIAL SHOULD BE EXCAVATED AND DISPOSED OF IN ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS SHALL REPLACE THE EXCAVATED MATERIAL. WRAPPED IN GEOTEXTILE AND BEDDED IN 40mm TO 20mm STONE. ALTERNATIVE ARRANGEMENTS, INCLUDING PILING ETC. MAY BE REQUIRED WHERE THE DEPTH OF SOFT MATERIAL IS EXCESSIVE. SUCH ARRANGEMENTS SHALL BE SUBJECT TO ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE WORK.
7. IN GREEN FIELD AREAS, TYPE B BACKFILL (SELECTED EXCAVATED MATERIAL) WILL BE ALLOWED ABOVE THE SIDE HAUNCH GRANULAR MATERIAL. THE TYPE B BACKFILL MATERIAL SHALL BE COMPACTED UP TO A MINIMUM DEPTH OF 150mm ABOVE THE CROWN OF THE PIPE (8 REQUIRED FOR FLEXIBLE PIPES. AND TYPE 3 MATERIAL MAY BE USED AS BACKFILL ABOVE THIS. ALL RISING MAINS IN GREENFIELD AREAS SHALL HAVE A MINIMUM COVER OF 300mm OF GRANULAR MATERIAL ABOVE THE EXTERNAL CROWN OF THE PIPE.
8. PIPES SHALL NOT BE SUPPORTED ON STONES, ROCKS OR ANY OTHER HARD OBJECT. THE TRENCH TO BE FREE FROM ROCK SHALL BE EXCAVATED TO A DEPTH OF 150mm BELOW THE ACTUAL DEPTH OF THE TRENCH WITH THE VOID FILLED WITH CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
9. NON DEGRADABLE MARKER TAPE SHOULD BE INSTALLED AT TOP OF GRANULAR MATERIAL TO A WIDTH OF 500mm TO 700mm. THE LOCATION OF THE MARKER TAPE SHOULD INCORPORATE A TRACE WIRE WHICH IS LINKED TO FITTINGS AND TERMINATED AT THE WASTE WATER PUMPING STATION AND THE DISCHARGE MANHOLE.
10. TRENCH WIDTHS FOR PIPE SIZES 630mm MAY BE <500mm, SUBJECT TO CONSIDERATION BEING GIVEN TO THE TRENCH DEPTH, HEALTH & SAFETY & CONSTRUCTION ACCESS REQUIREMENTS.
11. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
12. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



CROSS SECTION IN ROADS



CROSS SECTION IN GRASSED AREAS

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
6 80 RISING MAIN	SEE NOTE 10
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
≤100	100
150 - 450	200

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

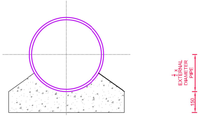
STANDARD DETAILS - WASTEWATER | SCALE NOT TO SCALE | DATE SEPT. 2015

TITLE: TRENCH BACKFILL AND BEDDING | DRAWING No. STD-WW-07 | REV 1

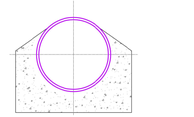
No	Date	Drn	Chk	Description	App
1	11/17	JMCTOC		Updated & Added Notes	WG
0	09/15	JMCTOC		Initial Issue	SL

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. CONCRETE PIPE BEDS AND HAUNCHES MAY BE REQUIRED TO ADDRESS MINIMUM COVER SITUATIONS, AND SHALL BE SUBJECT TO SUBMISSION AND ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE WORKS.
3. CONCRETE PIPE BEDS AND HAUNCHES SHALL HAVE A MINIMUM THICKNESS OF 150mm WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE OF 750mm.
4. CONCRETE TO BE IN ACCORDANCE WITH BS EN 206 AND TO BE CLASS C16/20.
5. THE HAUNCHES AND SURROUNDS TO BE FORMED USING FORM WORK TO PROVIDE A ROUGH CAST FINISH.
6. EXPANSION JOINTS IN THE CONCRETE SHALL BE PROVIDED AT ALL PIPE JOINTS TO ALLOW FOR PIPE FLEXIBILITY. COMPRESSIBLE FILLER BOARD TO BE IN ACCORDANCE WITH BS EN 622-1 AND BS EN 622-5 AND TO BE 16mm THICK.
7. POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6076 BEFORE BEING CAST INTO CONCRETE.
8. BITUMINOUS MATERIAL SHALL NOT BE PUT IN CONTACT WITH PE OR PVC PIPES



TYPE 'A'



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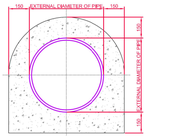

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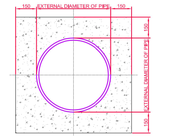

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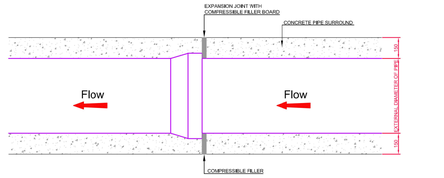


SPIGOT AND SOCKET JOINT

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

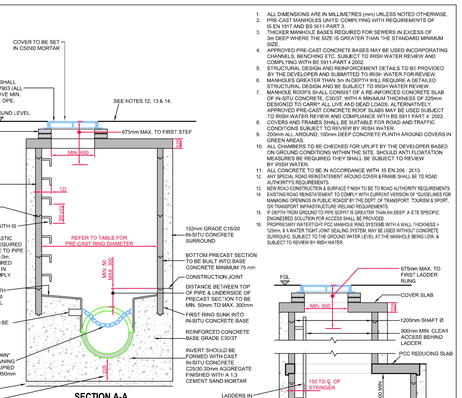
STANDARD DETAILS - WASTEWATER | SCALE NOT TO SCALE | DATE SEPT. 2015

TITLE: CONCRETE BED, HAUNCH AND SURROUND TO WASTEWATER PIPES | DRAWING No. STD-WW-08 | REV 0

No	Date	Drn	Chk	Description	App
0	09/15	JMCTOC		Initial Issue	SL

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRAVITY PIPES **WITHOUT PROTECTION** SHOULD BE 1000mm.
A) GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS - DEPTH NOT LESS THAN 0.5 M. (THIS WOULD NORMALLY RELATE TO DRAINS IN PRIVATE PROPERTY. SHALLOW PIPES OF THIS NATURE ARE UNDESIRABLE AND SHOULD BE INSTALLED IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS).
B) ROADWAYS AND PATHWAYS WITH POSSIBLE HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 0.75 M.
C) DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITHOUT FOOTWAYS (E.G. MEWS DEVELOPMENTS) WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS VEHICLE WEIGHT NOT EXCEEDING 7.5 TONNES - DEPTH NOT LESS THAN 0.9 M.
D) DEPTHS OF SEWERS IN GATED ESTATES SHALL BE SIMILAR TO THAT OUTLINED ABOVE.
E) AGRICULTURAL LAND AND PUBLIC OPEN SPACE - DEPTH NOT LESS THAN 0.9 M.
F) OTHER HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 1.0 M.
3. CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE SEWER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 1m OF THE PAVED EDGE OF THE ROADWAY. CLAUSE 804 / 808 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 804 / 808 IS TO BE WITHIN 500mm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804 OR CLAUSE 808) OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES **WRITTEN** MATERIAL TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.
4. SELECTED EXCAVATED MATERIAL MAY BE USED IN GREEN FIELD AREAS ABOVE GRANULAR PIPE SURROUND MATERIAL SUBJECT TO REVIEW BY IRISH WATER.
5. PIPE BEDDING SHALL COMPLY WITH WIS 4-08-02 AND IGN 4-08-01 GRANULAR MATERIAL SHALL BE 14mm TO 5mm GRADED AGGREGATE IN ACCORDANCE WITH NATIONAL STD BS EN 13242. CONCRETE BED, HAUNCH & SURROUND, WHERE REQUIRED, SHALL BE TO STD-WW-08.
6. IN SOFT GROUND CONDITIONS (CBR < 5) THE MATERIAL SHOULD BE EXCAVATED AND DISPOSED OF IN ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS SHALL REPLACE THE EXCAVATED MATERIAL. WRAPPED IN GEOTEXTILE AND BEDDED IN 40mm TO 20mm STONE. ALTERNATIVE ARRANGEMENTS, INCLUDING PILING ETC. MAY BE REQUIRED WHERE THE DEPTH OF SOFT MATERIAL IS EXCESSIVE. SUCH ARRANGEMENTS SHALL BE SUBJECT TO ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE WORK.
7. IN GREEN FIELD AREAS, TYPE B BACKFILL (SELECTED EXCAVATED MATERIAL) WILL BE ALLOWED ABOVE THE SIDE HAUNCH GRANULAR MATERIAL. THE TYPE B BACKFILL MATERIAL SHALL BE COMPACTED UP TO A MINIMUM DEPTH OF 150mm ABOVE THE CROWN OF THE PIPE (8 REQUIRED FOR FLEXIBLE PIPES. AND TYPE 3 MATERIAL MAY BE USED AS BACKFILL ABOVE THIS. ALL RISING MAINS IN GREENFIELD AREAS SHALL HAVE A MINIMUM COVER OF 300mm OF GRANULAR MATERIAL ABOVE THE EXTERNAL CROWN OF THE PIPE.
8. PIPES SHALL NOT BE SUPPORTED ON STONES, ROCKS OR ANY OTHER HARD OBJECT. THE TRENCH TO BE FREE FROM ROCK SHALL BE EXCAVATED TO A DEPTH OF 150mm BELOW THE ACTUAL DEPTH OF THE TRENCH WITH THE VOID FILLED WITH CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
9. NON DEGRADABLE MARKER TAPE SHOULD BE INSTALLED AT TOP OF GRANULAR MATERIAL TO A WIDTH OF 500mm TO 700mm. THE LOCATION OF THE MARKER TAPE SHOULD INCORPORATE A TRACE WIRE WHICH IS LINKED TO FITTINGS AND TERMINATED AT THE WASTE WATER PUMPING STATION AND THE DISCHARGE MANHOLE.
10. TRENCH WIDTHS FOR PIPE SIZES 630mm MAY BE <500mm, SUBJECT TO CONSIDERATION BEING GIVEN TO THE TRENCH DEPTH, HEALTH & SAFETY & CONSTRUCTION ACCESS REQUIREMENTS.
11. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
12. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



MANHOLE DETAIL > 3m & < 6m GROUND TO SOFFIT DEPTH

(NOTE: ON MANHOLES <1.5mØ, REDUCING SLAB NOT TO BE USED & PCC RINGS TO CONTINUE UP TO COVER SLAB)

MINIMUM MANHOLE DIAMETERS	
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200
375 TO 450	1350
500 TO 750	1650

ROCKER PIPE LENGTH	
PIPE DIAMETER (mm)	ROCKER PIPE LENGTH (mm)
150 TO 600	600
GREATER THAN 600 TO 750	1000
GREATER THAN 750	1250

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

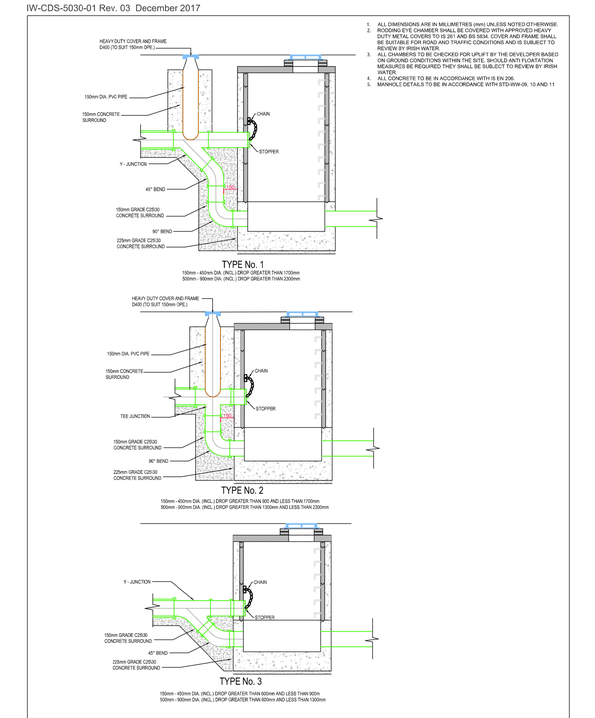
STANDARD DETAILS - WASTEWATER | SCALE NOT TO SCALE | DATE SEPT. 2015

TITLE: PRE-CAST CONCRETE MANHOLE | DRAWING No. STD-WW-10 | REV 2

No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Added rocker pipe table, deep manhole detail, added & updated notes	WG
1	09/16	JMCTOC		Added steps & revised access cover & cover notes	WG
0	09/15	JMCTOC		Initial Issue	SL

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. ROCKER EYE CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR USE IN RISING MAINS. THEY SHALL COMPLY WITH THE STANDARD MINIMUM SIZE.
3. APPROVED PRE-CAST CONCRETE BASES MAY BE USED INCORPORATING CHANNELS, BENCHING ETC. SUBJECT TO IRISH WATER REVIEW AND COMPLIANCE WITH BS 5911 PART 4.
4. STRUCTURAL DESIGN AND REINFORCEMENT DETAILS TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW.
5. MANHOLES GREATER THAN 3m IN DEPTH WILL REQUIRE A DETAILED STRUCTURAL DESIGN AND BE SUBJECT TO IRISH WATER REVIEW.
6. MANHOLE ROOFS SHALL CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, C30/37, WITH A MINIMUM THICKNESS OF 225mm AND SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & EXCLUDE ANY ACCESS. APPROVED PRE-CAST CONCRETE ROOF SLABS MAY BE USED SUBJECT TO IRISH WATER REVIEW AND COMPLIANCE WITH BS 5911 PART 4. 2002.
7. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY IRISH WATER.
8. 200mm ALL AROUND, 150mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. ALL COVERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
10. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206 : 2013.
11. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
12. NEIR ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
13. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

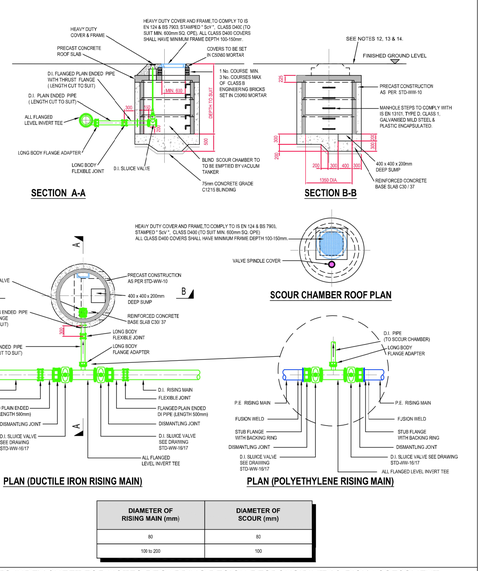
STANDARD DETAILS - WASTEWATER | SCALE NOT TO SCALE | DATE SEPT. 2015

TITLE: BACKDROP MANHOLES | DRAWING No. STD-WW-12 | REV 2

No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Updated notes	WG
1	09/16	JMCTOC		Added steps	WG
0	09/15	JMCTOC		Initial Issue	SL

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. VALVE SURFACE BOX TO BE IN ACCORDANCE WITH IS 261 OR BS 5834. SCOUR CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 124 RATING DADO COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY IRISH WATER.
3. SLUICE VALVES SHALL BE DOUBLE FLANGED WITH DUCTILE IRON RESILIENT SEAL GATE VALVES, SUITABLE FOR USE IN RISING MAINS. THEY SHALL COMPLY WITH THE REQUIREMENTS OF BS EN 1074 AND THEY SHALL HAVE THE APPROPRIATE CE MARKING.
4. SCOUR CHAMBER TO BE IN ACCORDANCE WITH BS EN 1563-3.
5. STRUCTURAL DESIGN AND REINFORCEMENT DETAILS TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & EXCLUDE ANY ACCESS. SUBJECT TO REVIEW BY IRISH WATER. A CONSTRUCTION OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm ALTERNATIVELY, PRE-CAST CONCRETE ROOF SLABS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH BS 5911, Pat. 4.
6. THRUST BLOCKS (NOT SHOWN ON DRAWING) TO BE PROVIDED AS PER STANDARD DRAWING STD-WW-14 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
7. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
8. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
9. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
10. ALL DUCTILE IRON PIPWORK AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 598.
11. ALL COVERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
12. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
13. NEIR ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
14. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



DIAMETER OF RISING MAIN (mm)	DIAMETER OF SCOUR (mm)
80	80
100 to 200	100

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

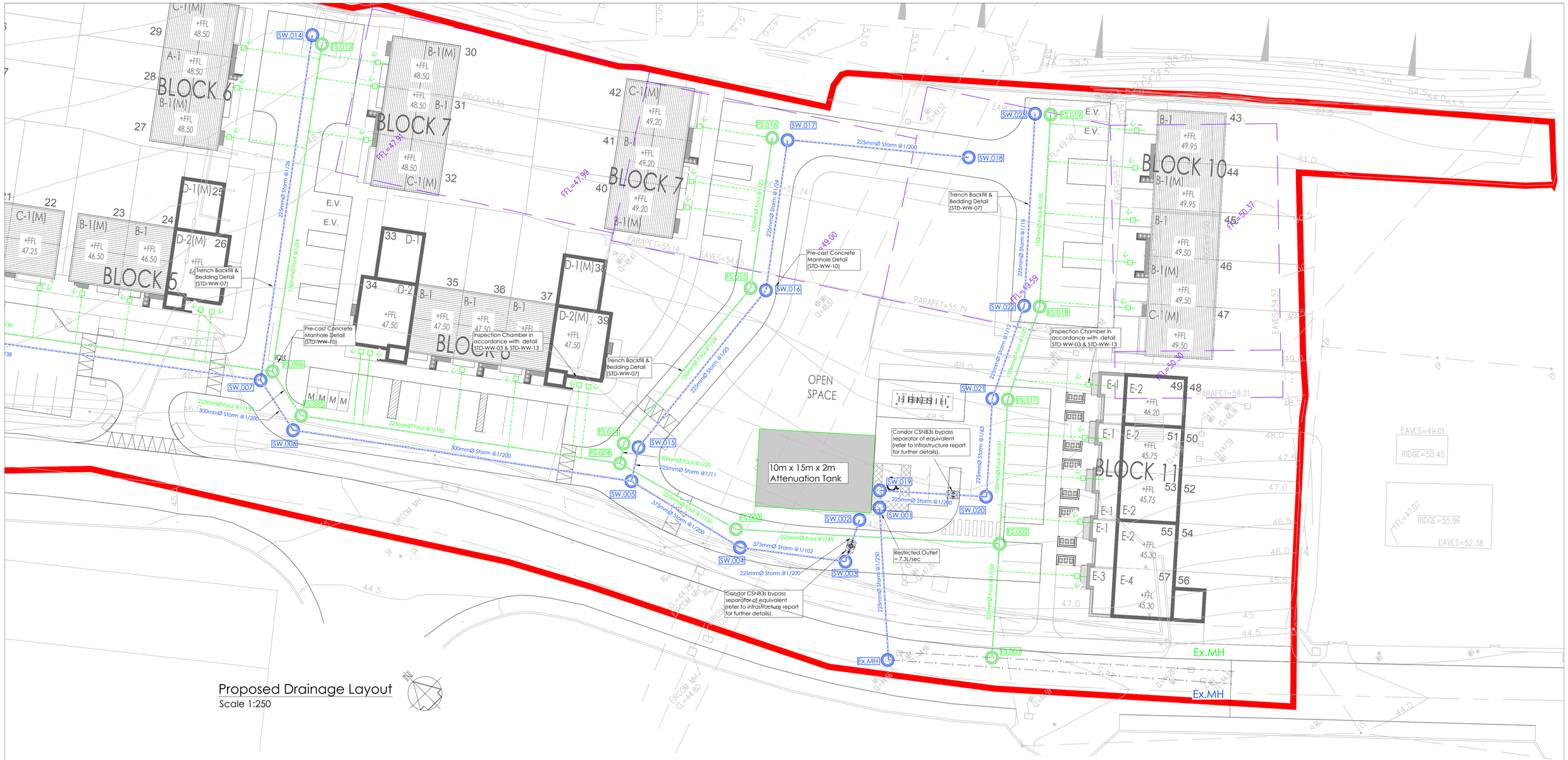
STANDARD DETAILS - WASTEWATER | SCALE NOT TO SCALE | DATE SEPT. 2015

TITLE: SCOUR VALVE CHAMBER FOUL RISING MAIN (< 200mm DIA.) | DRAWING No. STD-WW-15 | REV 2

No	Date	Drn	Chk	Description	App
2	11/17	JMCTOC		Revised & added notes	WG
1	09/16	JMCTOC		Added steps, revised note 2, dims, cover & cope notes.	WG
0	09/15	JMCTOC		Initial Issue	SL

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. SLUICE VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR USE IN RISING MAINS. THEY SHALL CO



Proposed Drainage Layout

Scale 1:250

Legend:

Wastewater Details:	Document No. IW-CDS-5030-01	
Denotes Foul Pipe	Waste Water Service Connection Responsibility :	STD-WW-01
FSW.0001 Denotes Foul Manhole	Typical Layout for Sewer within New Developments	STD-WW-02
Denotes Inspection Chamber	Drain & Service Connection Pipework :	STD-WW-03
Denotes Foul Pipe Concrete encased	Typical Sewer / Service pipe Connection :	STD-WW-04
Denotes Ex. Foul Sewer	STD-WW-06 Existing Planting	STD-WW-06
	Restrictions on new planting adjacent to sewers	STD-WW-06A
Storm Water Details:	Trench Backfill & Bearing :	STD-WW-07
Denotes Connection Pipe	Concrete Bed, Haunch & Surround to Waste Water :	STD-WW-08
	Pre-cast Concrete Manhole :	STD-WW-10
Denotes Storm Pipe	Backdrop manholes:	STD-WW-12
SW.001 Denotes Storm Manhole	Private Side Inspection Chamber :	STD-WW-13
RWG Road Gully		
Denotes Ex. Storm Sewer		

Note: Refer to Irish Water Standard Details Drawings Document No. IW-CDS-5030-01

1. All Foul pipes must be in compliance with Code of Practice for Wastewater Infrastructure - Section 3.13
2. Foul pipe to be 'WavSpec SN8' shall be structure wall construction Type A manufactured in accordance with EN13476-2, and comprising PVC-U smooth internal and external layers with either a foamed or a recycled PVC-U core
3. WavSpec SN8' shall be manufactured in accordance with Quality Management system IS EN ISO 9001: 2008 and Environmental Quality System IS EN ISO 14001:2004
4. Separation distances must be in compliance with Standard details & Code of Practice for Wastewater Infrastructure
5. Manhole covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete
6. All new trees/shrubs planting will comply with minimum planting distances as per standard detail STD-WW-06A

US/MH Name	US/CL(m)	US/IL(m)	Depth (m)
FS001	44.730	43.552	1.178
FS002	45.500	43.650	1.850
FS003	46.700	44.413	2.287
FS004	47.400	44.527	2.873
FS005	46.850	44.805	2.045
FS006	46.700	44.850	1.850
FS007	48.500	46.650	1.850
FS008	49.850	48.247	1.603
FS009	49.900	48.850	1.050
FS010	50.350	49.200	1.150
FS011	49.850	48.520	1.330
FS012	49.850	48.700	1.150
FS013	48.450	46.600	1.850
FS014	47.550	45.700	1.850
FS015	48.650	46.800	1.850
FS016	49.550	47.700	1.850
FS017	46.500	44.250	2.250
FS018	49.250	44.883	4.367
FS019	50.000	48.150	1.850

Foul Sewer Manhole Schedule

US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL(m)	DS/IL(m)	Pipe DIA (mm)
FS010	11.950	0.350	34.1	49.200	48.850	150
FS009	6.100	0.102	59.8	48.850	48.748	150
FS012	10.800	0.180	60.0	48.700	48.520	150
FS011	16.350	0.273	59.9	48.520	48.247	150
FS008	30.300	1.597	19.0	48.247	46.650	150
FS007	70.000	1.800	38.9	46.650	44.850	225
FS013	42.700	1.750	24.4	46.600	44.850	150
FS006	6.800	0.045	150.0	44.850	44.805	225
FS005	41.600	0.277	150.0	44.805	44.527	225
FS016	19.650	0.900	21.8	47.700	46.800	150
FS015	26.000	1.100	23.6	46.800	45.700	150
FS014	3.000	0.150	20.0	45.700	45.550	150
FS004	17.200	0.115	150.0	44.527	44.413	225
FS003	34.000	0.763	44.6	44.413	43.650	225
FS019	24.800	1.350	18.4	48.150	46.800	150
FS018	12.650	0.633	20.0	44.883	44.250	150
FS017	18.650	0.600	31.1	44.250	43.650	150
FS002	14.700	0.098	150.0	43.650	43.552	225

Foul Sewer Pipe Schedule

US/MH Name	US/CL(m)	US/IL(m)	Depth (m)
Exis SMH	44.660	43.000	1.660
SW.001	46.250	43.080	3.170
SW.002	46.250	43.088	3.162
SW.003	46.300	44.725	1.575
SW.004	46.700	44.859	1.841
SW.005	47.200	44.941	2.259
SW.006	46.850	45.162	1.688
SW.007	46.700	45.200	1.500
SW.008	48.500	47.000	1.500
SW.009	49.850	48.183	1.667
SW.010	49.900	48.400	1.500
SW.011	50.350	48.850	1.500
SW.012	49.850	48.269	1.581
SW.013	49.850	48.350	1.500
SW.014	48.450	46.950	1.500
SW.015	47.600	46.100	1.500
SW.016	48.650	47.146	1.504
SW.017	49.550	47.983	1.567
SW.018	49.600	48.100	1.500
SW.019	46.250	44.331	1.919
SW.020	45.900	44.400	1.500
SW.021	46.500	44.600	1.900
SW.022	49.250	45.650	3.600
SW.023	50.000	48.500	1.500

Storm Sewer Manhole Schedule

US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL(m)	DS/IL(m)	Pipe DIA (mm)
SW.011	14.550	0.450	32.3	48.850	48.400	225
SW.010	5.900	0.217	27.2	48.400	48.183	225
SW.013	13.450	0.081	166.0	48.350	48.269	225
SW.012	14.300	0.086	166.3	48.269	48.183	225
SW.009	30.400	1.183	25.7	48.183	47.000	225
SW.008	67.500	1.800	37.5	47.000	45.200	225
SW.014	45.000	1.750	25.7	46.950	45.200	225
SW.007	7.700	0.039	200.0	45.200	45.162	300
SW.006	44.150	0.221	200.0	45.162	44.941	300
SW.018	23.500	0.118	200.0	48.100	47.983	225
SW.017	19.650	0.837	23.5	47.983	47.146	225
SW.016	26.050	1.046	24.9	47.146	46.100	225
SW.015	4.500	0.400	11.3	46.100	45.700	225
SW.005	16.400	0.082	200.0	44.941	44.859	375
SW.004	13.700	0.134	102.2	44.859	44.725	375
SW.003	5.700	0.029	200.0	44.725	44.696	375
SW.023	24.800	1.350	18.4	48.500	47.150	225
SW.022	12.650	1.050	12.0	45.650	44.600	225
SW.021	12.650	0.200	63.3	44.600	44.400	225
SW.020	13.725	0.069	198.9	44.400	44.331	225
SW.019	1.000	0.005	200.0	44.331	44.326	225
SW.002	2.000	0.008	250.0	43.088	43.080	375
SW.001	19.650	0.079	250.0	43.080	43.001	225

Storm Sewer Pipe Schedule

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
D	G.S.	S.O'G	C.O'S	25.05.20	Revised & Reissued for Planning
C	G.S.	S.O'G	C.O'S	06.04.20	Revised & Reissued for Planning
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE: Proposed Drainage Layout (2 of 2)

SHEET: A1 | SCALE: 1:250 | PROJECT NO. 4828 | DRAWING NO. 4021 | STATUS/ISSUE D

Proposed Drainage Layout

Scale 1:250

Legend:

Wastewater Details:	Document No. IW-CDS-5030-01	
Denotes Foul Pipe	Waste Water Service Connection Responsibility :	STD-WW-01
SW.001 Denotes Foul Manhole	Typical Layout for Sewer within New Developments	STD-WW-02
Denotes Inspection Chamber	Drain & Service Connection Pipework :	STD-WW-03
Denotes Foul Pipe Concrete encased	Typical Sewer / Service pipe Connection :	STD-WW-04
Denotes Ex. Foul Sewer	STD-WW-06 Existing Planting	STD-WW-06
	Restrictions on new planting adjacent to sewers	STD-WW-06A
Storm Water Details:	Trench Backfill & Bearing :	STD-WW-07
Denotes Connection Pipe	Concrete Bed, Haunch & Surround to Waste Water :	STD-WW-08
	Pre-cast Concrete Manhole :	STD-WW-10
Denotes Storm Pipe	Backdrop manholes:	STD-WW-12
SW.001 Denotes Storm Manhole	Private Side Inspection Chamber :	STD-WW-13
RWG Road Gully		
Denotes Ex. Storm Sewer		

Note: Refer to Irish Water Standard Details Drawings Document No. IW-CDS-5030-01

1. All Foul pipes must be in compliance with Code of Practice for Wastewater Infrastructure - Section 3.13
2. Foul pipe to be 'WavSpec SN8' shall be structure wall construction Type A manufactured in accordance with EN13476-2, and comprising PVC-U smooth internal and external layers with either a foamed or a recycled PVC-U core
3. 'WavSpec SN8' shall be manufactured in accordance with Quality Management system IS EN ISO 9001: 2008 and Environmental Quality System IS EN ISO 14001:2004
4. Separation distances must be in compliance with Standard details & Code of Practice for Wastewater Infrastructure
5. Manhole covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete
6. All new trees/shrubs planting will comply with minimum planting distances as per standard detail STD-WW-06A

US/ MH Name	US/ CL (m)	US/ IL (m)	Depth (m)
FS001	44.730	43.552	1.178
FS002	45.500	43.650	1.850
FS003	46.700	44.413	2.287
FS004	47.400	44.527	2.873
FS005	46.850	44.805	2.045
FS006	46.700	44.850	1.850
FS007	48.500	46.650	1.850
FS008	49.850	48.247	1.603
FS009	49.900	48.850	1.050
FS010	50.350	49.200	1.150
FS011	49.850	48.520	1.330
FS012	49.850	48.700	1.150
FS013	48.450	46.600	1.850
FS014	47.550	45.700	1.850
FS015	48.650	46.800	1.850
FS016	49.550	47.700	1.850
FS017	46.500	44.250	2.250
FS018	49.250	44.883	4.367
FS019	50.000	48.150	1.850

Foul Sewer Manhole Schedule

US/ MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/ IL (m)	DS/ IL (m)	Pipe DIA (mm)
FS010	11.950	0.350	34.1	49.200	48.850	150
FS009	6.100	0.102	59.8	48.850	48.748	150
FS012	10.800	0.180	60.0	48.700	48.520	150
FS011	16.350	0.273	59.9	48.520	48.247	150
FS008	30.300	1.597	19.0	48.247	46.650	150
FS007	70.000	1.800	38.9	46.650	44.850	225
FS013	42.700	1.750	24.4	46.600	44.850	150
FS006	6.800	0.045	150.0	44.850	44.805	225
FS005	41.600	0.277	150.0	44.805	44.527	225
FS016	19.650	0.900	21.8	47.700	46.800	150
FS015	26.000	1.100	23.6	46.800	45.700	150
FS014	3.000	0.150	20.0	45.700	45.550	150
FS004	17.200	0.115	150.0	44.527	44.413	225
FS003	34.000	0.763	44.6	44.413	43.650	225
FS019	24.800	1.350	18.4	48.150	46.800	150
FS018	12.650	0.633	20.0	44.883	44.250	150
FS017	18.650	0.600	31.1	44.250	43.650	150
FS002	14.700	0.098	150.0	43.650	43.552	225

Foul Sewer Pipe Schedule

US/ MH Name	US/ CL (m)	US/ IL (m)	Depth (m)
Exis SMH	44.660	43.000	1.660
SW.011	46.250	43.080	3.170
SW.002	46.250	43.088	3.162
SW.003	46.300	44.725	1.575
SW.004	46.700	44.859	1.841
SW.005	47.200	44.941	2.259
SW.006	46.850	45.162	1.688
SW.007	46.700	45.200	1.500
SW.008	48.500	47.000	1.500
SW.009	49.850	48.183	1.667
SW.010	49.900	48.400	1.500
SW.011	50.350	48.850	1.500
SW.012	49.850	48.269	1.581
SW.013	49.850	48.350	1.500
SW.014	48.450	46.950	1.500
SW.015	47.600	46.100	1.500
SW.016	48.650	47.146	1.504
SW.017	49.550	47.983	1.567
SW.018	49.600	48.100	1.500
SW.019	46.250	44.331	1.919
SW.020	45.900	44.400	1.500
SW.021	46.500	44.600	1.900
SW.022	49.250	45.650	3.600
SW.023	50.000	48.500	1.500

Storm Sewer Manhole Schedule

US/ MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/ IL (m)	DS/ IL (m)	Pipe DIA (mm)
SW.011	14.550	0.450	32.3	48.850	48.400	225
SW.010	5.900	0.217	27.2	48.400	48.183	225
SW.013	13.450	0.081	166.0	48.350	48.269	225
SW.012	14.300	0.086	166.3	48.269	48.183	225
SW.009	30.400	1.183	25.7	48.183	47.000	225
SW.008	67.500	1.800	37.5	47.000	45.200	225
SW.014	45.000	1.750	25.7	46.950	45.200	225
SW.007	7.700	0.039	200.0	45.200	45.162	300
SW.006	44.150	0.221	200.0	45.162	44.941	300
SW.018	23.500	0.118	200.0	48.100	47.983	225
SW.017	19.650	0.837	23.5	47.983	47.146	225
SW.016	26.050	1.046	24.9	47.146	46.100	225
SW.015	4.500	0.400	11.3	46.100	45.700	225
SW.005	16.400	0.082	200.0	44.941	44.859	375
SW.004	13.700	0.134	102.2	44.859	44.725	375
SW.003	5.700	0.029	200.0	44.725	44.696	375
SW.023	24.800	1.350	18.4	48.500	47.150	225
SW.022	12.650	1.050	12.0	45.650	44.600	225
SW.021	12.650	0.200	63.3	44.600	44.400	225
SW.020	13.725	0.069	198.9	44.400	44.331	225
SW.019	1.000	0.005	200.0	44.331	44.326	225
SW.002	2.000	0.008	250.0	43.088	43.080	375
SW.001	19.650	0.079	250.0	43.080	43.001	225

Storm Sewer Pipe Schedule

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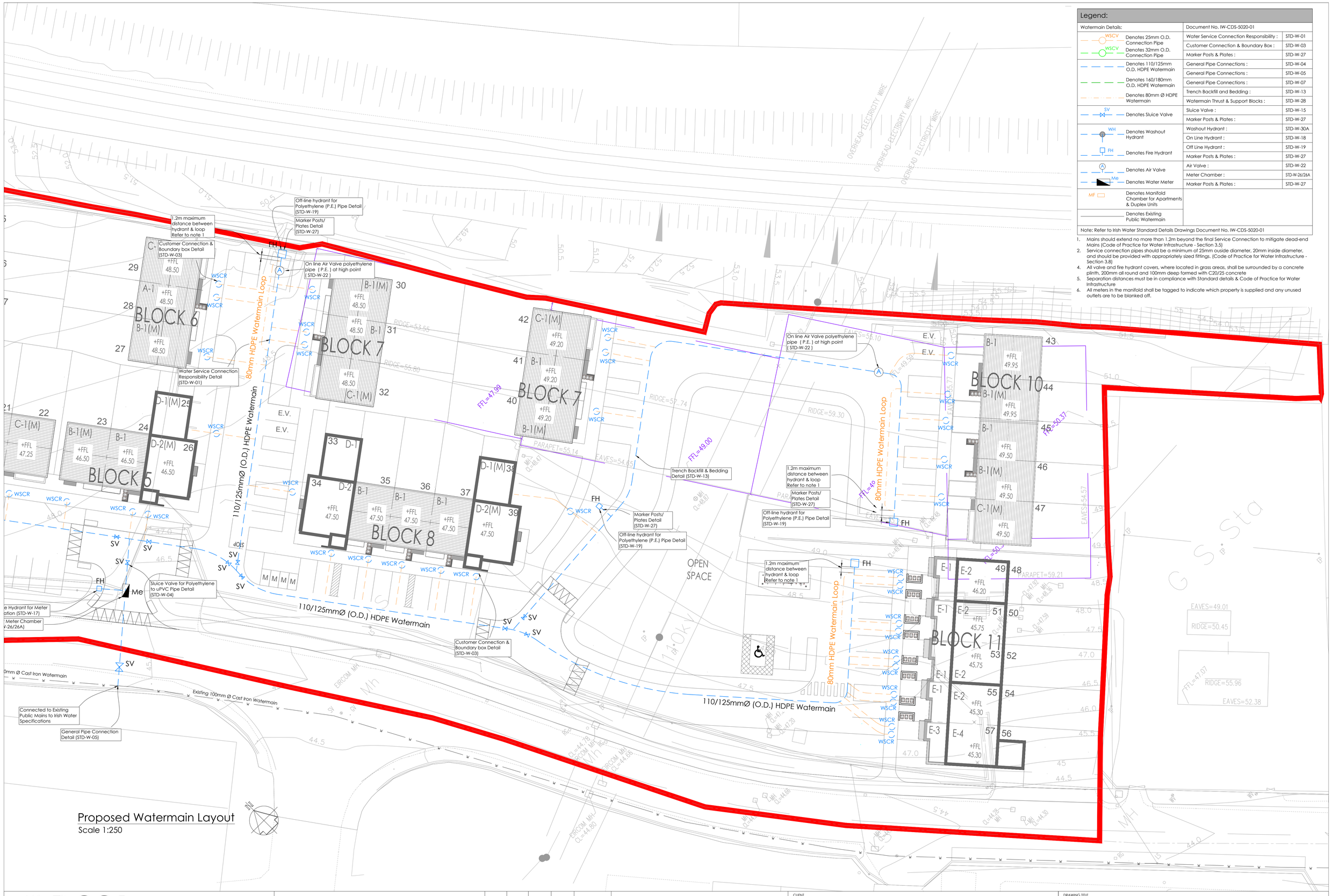
REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
D	G.S.	S.O'G	C.O'S	25.05.20	Revised & Reissued for Planning
C	G.S.	S.O'G	C.O'S	06.04.20	Revised & Reissued for Planning
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE
Proposed Drainage Layout (1 of 2)

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4020	D



Proposed Watermain Layout
Scale 1:250

Legend:

Watermain Details:	Document No. IW-CDS-5020-01	
WSCV — Denotes 25mm O.D. Connection Pipe	Water Service Connection Responsibility :	STD-W-01
WSCV — Denotes 32mm O.D. Connection Pipe	Customer Connection & Boundary Box :	STD-W-03
	Marker Posts & Plates :	STD-W-27
Denotes 110/125mm O.D. HDPE Watermain	General Pipe Connections :	STD-W-04
	General Pipe Connections :	STD-W-05
Denotes 160/180mm O.D. HDPE Watermain	General Pipe Connections :	STD-W-07
Denotes 80mm Ø HDPE Watermain	Trench Backfill and Bedding :	STD-W-13
	Watermain Thrust & Support Blocks :	STD-W-28
SV — Denotes Sluice Valve	Sluice Valve :	STD-W-15
	Marker Posts & Plates :	STD-W-27
WH — Denotes Washout Hydrant	Washout Hydrant :	STD-W-30A
	On Line Hydrant :	STD-W-18
FH — Denotes Fire Hydrant	Off Line Hydrant :	STD-W-19
	Marker Posts & Plates :	STD-W-27
A — Denotes Air Valve	Air Valve :	STD-W-22
Me — Denotes Water Meter	Meter Chamber :	STD-W-26/26A
	Marker Posts & Plates :	STD-W-27
MF — Denotes Manifold Chamber for Apartments & Duplex Units		
Denotes Existing Public Watermain		

Note: Refer to Irish Water Standard Details Drawings Document No. IW-CDS-5020-01

1. Mains should extend no more than 1.2m beyond the final Service Connection to mitigate dead-end Mains (Code of Practice for Water Infrastructure - Section 3.5)
2. Service connection pipes should be a minimum of 25mm ouside diameter, 20mm inside diameter, and should be provided with appropriately sized fittings. (Code of Practice for Water Infrastructure - Section 3.8)
4. All valve and fire hydrant covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete
5. Separation distances must be in compliance with Standard details & Code of Practice for Water Infrastructure
6. All meters in the manifold shall be tagged to indicate which property is supplied and any unused outlets are to be blanked off.

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
D	G.S.	S.O'G	C.O'S	25.05.20	Revised & Reissued for Planning
C	G.S.	S.O'G	C.O'S	06.04.20	Revised & Reissued for Planning
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

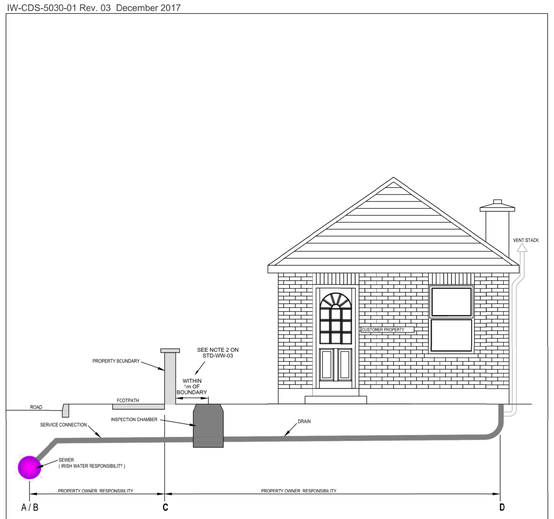
CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE
Proposed Watermain Layout (2 of 2)

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4031	D

IW-CDS-5030-01 Rev. 03 December 2017



	MAINTENANCE RESPONSIBILITY
(A) SEWER	IRISH WATER
(B-C) SERVICE CONNECTION (INCLUDING SADDLE)	PROPERTY OWNER
INSPECTION CHAMBER	PROPERTY OWNER
(C-D) DRAIN	PROPERTY OWNER
INTERNAL PLUMBING	PROPERTY OWNER

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Note reference added	WD
0	09/15	JMC	TOC	Initial Issue	SL

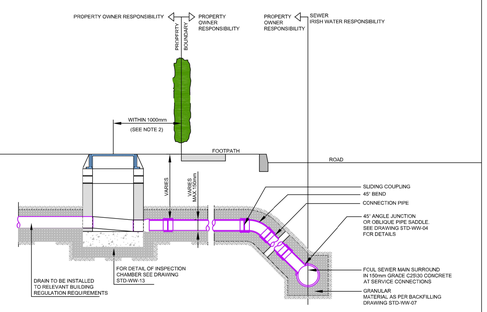
STANDARD DETAILS - WASTEWATER

TITLE: WASTEWATER SERVICE CONNECTION RESPONSIBILITY

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-WW-01 | REV 1

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. AN INSPECTION CHAMBER SHOULD BE LOCATED AT OR WITHIN 1m OF THE PROPERTY BOUNDARY AT THE UPSTREAM END OF EACH SERVICE CONNECTION ON THE PRIVATE SIDE OF THE CURTILAGE. IF PRACTICABLE, CONSULT WITH IRISH WATER ON ALTERNATIVE LOCATIONS.
3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO THE PUBLIC SEWER WHICH CONVEYS FOUL FLOW FROM MORE THAN A PRIVATE DWELLING IS A PRIVATE DRAIN AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS.



PIPE SIZE (mm)	GRADIENT
100	1 : 60
150 TO 225	1 : 150 MINIMUM

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Updated Notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

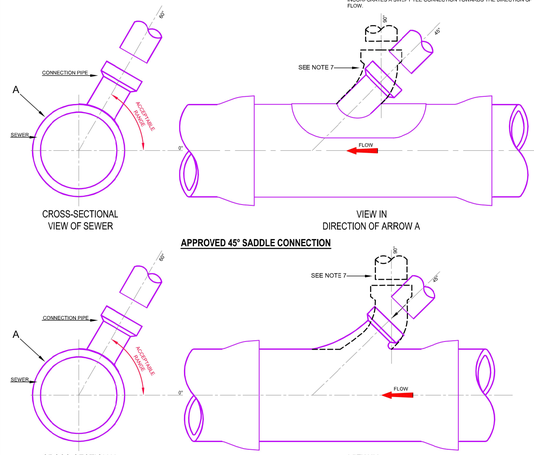
STANDARD DETAILS - WASTEWATER

TITLE: DRAIN AND SERVICE CONNECTION PIPEWORK

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-WW-03 | REV 1

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. AS FAR AS PRACTICABLE, JUNCTIONS AND SERVICE CONNECTIONS SHALL BE BUILT IN FOR ALL PLANNED USERS WHEN THE SEWER IS BEING CONSTRUCTED. WHERE IT IS NECESSARY TO MAKE A POST-CONSTRUCTION CONNECTION THE DEVELOPER SHALL BRING THE SEWER TO THE INSPECTION CHAMBER, INSTALL THE INSPECTION CHAMBER AND SEAL THE UPSTREAM END UNTIL THE CONNECTION IS REQUIRED.
3. THE VERTICAL ANGLE BETWEEN THE SERVICE CONNECTING PIPE AND THE HORIZONTAL SHALL BE GREATER THAN 0° AND NOT MORE THAN 60°.
4. WHERE THE CONNECTION IS BEING MADE TO A SEWER WITH A NOMINAL INTERNAL DIAMETER OF 300mm DIAMETER OR LESS, CONNECTIONS SHALL BE MADE USING 45° ANGLE JUNCTIONS.
5. WHERE THE CONNECTION IS BEING MADE TO A SEWER WITH A NOMINAL INTERNAL DIAMETER GREATER THAN 300mm .
   A) IF THE DIAMETER OF THE CONNECTING PIPE IS GREATER THAN HALF THE DIAMETER OF THE SEWER, AN ACCESS MANHOLE SHALL BE CONSTRUCTED TO FORM THE CONNECTION POINT. OR,
   B) IF THE DIAMETER OF THE CONNECTING PIPE IS LESS THAN OR EQUAL TO HALF THE DIAMETER OF THE SEWER, THEN THE CONNECTION SHALL BE MADE USING A PREFORMED SADDLE FITTING WITH A SLOW BEND BETWEEN THE SADDLE AND THE CONNECTING SEWER/DRAIN.
6. CONNECTIONS MADE WITH SADDLE FITTINGS SHALL BE MADE BY CUTTING AND SAFELY REMOVING A CORE FROM THE PIPE AND JOINTING THE SADDLE FITTING TO THE PIPE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. AFTER INSERTING THE SADDLE JOINT, THE CONNECTING PIPE SHALL NOT PROTRUDE INTO THE SEWER(S).
7. THE USE OF 90° CONNECTIONS TO THE SEWER MAY BE ALLOWED SUBJECT TO IRISH WATER REVIEW. PROVIDED THE SADDLE OR BRANCH INCORPORATES A SWEEP TEE CONNECTION TOWARDS THE DIRECTION OF FLOW.



REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Updated connection detail & notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WASTEWATER

TITLE: TYPICAL SEWER / SERVICE PIPE CONNECTION

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-WW-04 | REV 1

IW-CDS-5030-01 Rev. 03 December 2017

1. THE SEPARATION DISTANCES OUTLINED ARE MINIMUM REQUIREMENTS.
2. SPECIFIC SEPARATION CLEARANCE DISTANCES IN EXCESS OF THESE MINIMA SHALL BE PROVIDED FOR WHERE THE PROVISION OF SERVICES IN ACCORDANCE WITH THE RULES GIVEN IN THE CASE MAY BE THE PARTICULAR UTILITY PROVIDERS SHALL BE CONSULTED TO DETERMINE THEIR MINIMUM SEPARATION DISTANCES AND EVIDENCE OF THIS CONSULTATION, WITH THE SPECIFIED SEPARATION DISTANCES, SHALL BE PROVIDED TO IRISH WATER AT DESIGN STAGE.
3. NOTIFICATION IN WRITING IS REQUIRED SHOULD WORKS BE WITHIN THE FOLLOWING DISTANCES FROM AN EXISTING WATER MAIN OR WASTEWATER RISING MAIN:-

   HORIZONTAL
   5m AT EITHER SIDE OF AN EXISTING MAIN LESS THAN 200mm IN DIAMETER.
   2m AT EITHER SIDE OF AN EXISTING MAIN OF 200mm TO 350mm IN DIAMETER.
   5m AT EITHER SIDE OF AN EXISTING MAIN OF 350mm OR GREATER IN DIAMETER.

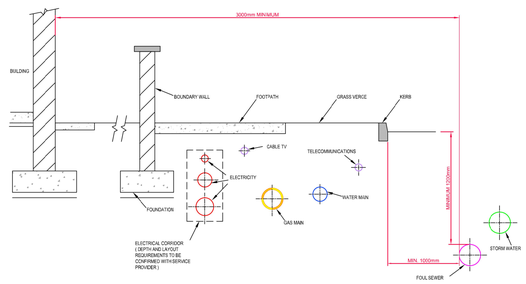
   WHERE DUCTS OR PIPES ARE TO BE LAID CLOSE TO AN EXISTING WATERMAIN OR SEWER IN THE OWNERSHIP OF IRISH WATER, NOTIFICATION IN WRITING SHALL BE PROVIDED A MINIMUM OF 10 DAYS AHEAD OF ADVANCEMENT OF THE WORK.

   NOTIFICATION IN WRITING IS REQUIRED SHOULD WORKS BE WITHIN 1.5m DISTANCE OF A WASTEWATER SEWER.

   REQUIREMENTS SHALL ALSO APPLY TO TRIAL HOLES OR SLIT TRENCHES TO LOCATE THE MAIN OR GAIN GROUND INFO DATA.

   LARGER DIAMETERS >350mm DISTRIBUTION AND TRUNK MAINS. IRISH WATER MUST BE NOTIFIED AT LEAST 1 MONTH IN ADVANCE.

   DEVELOPERS SHALL ALSO COMPLY WITH ANY NOTIFICATION REQUIREMENTS OF OTHER UTILITY PROVIDERS (ESB, GAS MAIN, TELECOMMUNICATION ETC.).
4. DETAILED PROPOSALS, INCLUDING WORK METHOD STATEMENTS, INSURANCE CONFIRMATION AND DETAILS OF WORK COMPLETED OF A SIMILAR NATURE MUST BE SUBMITTED TO IRISH WATER FOR ITS CONSIDERATION BEFORE AGREEMENT WILL ISSUE ALL SUCH WORKS IN THE VICINITY OF ARTERIAL WATER MAINS AND SEWERS (MAINS GREATER THAN 400mm) SHALL BE SUBJECT TO WRITTEN AGREEMENT WITH IRISH WATER BEFORE CONSTRUCTION COMMENCES ON SITE. THIS AGREEMENT SHALL ALSO INCLUDE ANY NECESSARY PROTECTION FOR WATER MAINS.
5. ANY DAMAGE SHALL BE NOTIFIED IMMEDIATELY TO IRISH WATER. THE PERSON WHO CAUSES THE DAMAGE TO A SEWER MAIN OR FITTING WILL BE DEEMED TO HAVE COMMITTED AN OFFENCE UNDER SECTION 45 OF THE WATER SERVICES ACT 2007.
6. UNDER NO CIRCUMSTANCES WILL IRISH WATER ACCEPT SEWER MAIN INSTALLATIONS UNDER STRUCTURES, EXISTING OR PROPOSED, OR IN CLOSE PROXIMITY TO ANY EXISTING STRUCTURES OR FEATURES THAT WILL INHIBIT ACCESS FOR POST INSTALLATION MAINTENANCE AND ACCESS.
7. THE MINIMUM CLEAR DISTANCE WILL BE INCREASED IF THE SEWER IS GREATER THAN 3m DEEP OR IF THE DIAMETER IS GREATER THAN 375mm. THE MINIMUM CLEAR DISTANCE IN THESE SITUATIONS SHALL BE 1.5DEPTH TO INVERT OR 1.5 TIMES THE SEWER DIAMETER, WHICHEVER IS GREATER.
8. THE EXTERNAL FACES OF MANHOLE SHALL BE AT LEAST 0.5m FROM KERB LINE.
9. WHERE DESIGN DEVIATES FROM TYPICAL DETAILS, THE LAYOUT IS SUBJECT TO REVIEW BY IRISH WATER.



REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Updated notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

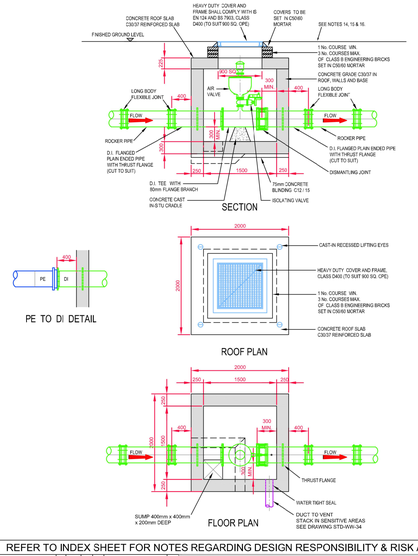
STANDARD DETAILS - WASTEWATER

TITLE: TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-WW-05 | REV 1

IW-CDS-5030-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. VENTILATION STACK TO BE PROVIDED IN SENSITIVE AREAS AND ODOUR LIMIT MAY BE REQUIRED DEPENDING ON LOCATION.
3. ISOLATING VALVE TO BE IN ACCORDANCE WITH IS EN 1074-2.
4. STRUCTURAL DESIGN AND REINFORCEMENT DETAILS TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE CONFORMING TO CLASS C25/30 WITH A MINIMUM THICKNESS OF 250mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH BS 5911, Par 4.
5. DOUBLE AIR VALVE CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY VENTILATED METAL COVER TO IS EN 124 RATING D400. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY IRISH WATER.
6. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
7. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-WW-14 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
8. ALL PIPE WORK, VALVES & FITTINGS TO BE SUBJECT TO REVIEW BY IRISH WATER.
9. ANTI CORROSION TAPE TO BE PROVIDED AROUND ALL BURIED FLANGES.
10. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
11. ALL DUCTILE IRON PIPE WORK AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 598.
12. ALL PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201: 2011.
13. ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
14. ALL CHAMBER COVERS AND FRAMES IN TRAFFIC AREAS SHALL BE SUITABLE FOR ROAD AUTHORITY'S REQUIREMENTS.
15. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
16. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

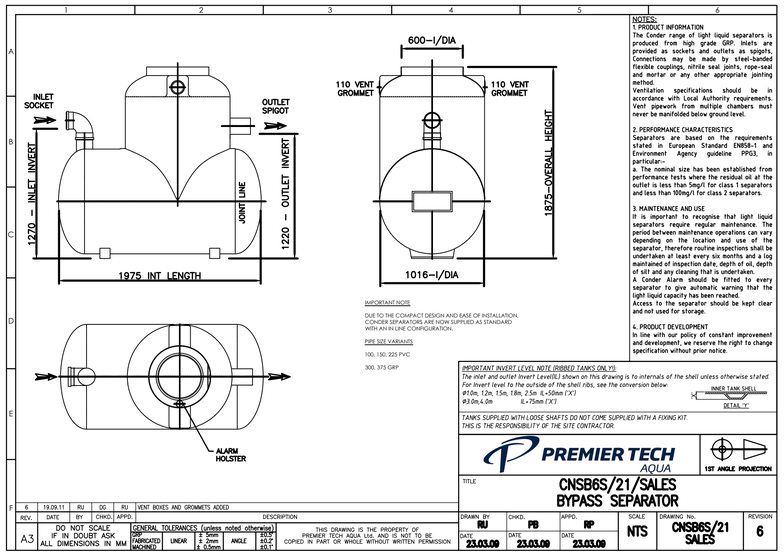
UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
2	11/17	JMC	TOC	Revised & added notes	WD
1	09/16	JMC	TOC	Revised note 5 & cover notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WASTEWATER

TITLE: AIR VALVE CHAMBER (FOUL RISING MAIN < 200mm DIA.)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-WW-18 | REV 2



IMPORTANT NOTE

DUE TO THE COMPACT DESIGN AND EASE OF INSTALLATION, CONDER SEPARATORS ARE NOW SUPPLIED AS STANDARD WITH AN IN LINE CONFIGURATION.

PIPE SIZE VARIANTS

100, 150, 225 PVC

300, 375 GRP

NOTES:

1. PRODUCT INFORMATION
The Conder range of light liquid separators is produced from high grade GRP. Inlets are provided as sockets and outlets as spigots, Connections may be made by steel-banded flexible couplings, nitrile seal joints, rope-seal and mortar or any other appropriate jointing method.
Ventilation specifications should be in accordance with Local Authority requirements. Vent pipework from multiple chambers must never be manifolded below ground level.

2. PERFORMANCE CHARACTERISTICS
Separators are based on the requirements stated in European Standard EN858-1 and Environment Agency guideline PPG3, in particular–
a. The nominal size has been established from performance tests where the residual oil at the outlet is less than 5mg/l for class 1 separators and less than 100mg/l for class 2 separators.

3. MAINTENANCE AND USE
It is important to recognise that light liquid separators require regular maintenance. The period between maintenance operations can vary depending on the location and use of the separator, therefore routine inspections shall be undertaken at least every six months and a log maintained of inspection date, depth of oil, depth of silt and any cleaning that is undertaken.
A Conder Alarm should be fitted to every separator to give automatic warning that the light liquid capacity has been reached.
Access to the separator should be kept clear and not used for storage.

4. PRODUCT DEVELOPMENT
In line with our policy of constant improvement and development, we reserve the right to change specification without prior notice.

IMPORTANT INVERT LEVEL NOTE (RIBBED TANKS ONLY!)
The inlet and outlet Invert Level(IL) shown on this drawing is to internals of the shell unless otherwise stated.
For Invert level to the outside of the shell ribs, see the conversion below:
ø1.0m, 1.2m, 1.5m, 1.8m, 2.5m IL +50mm ('X')
ø3.0m, 4.0m IL +75mm ('X')

INNER TANK SHELL
X
DETAIL 'Y'

TANKS SUPPLIED WITH LOOSE SHAFTS DO NOT COME SUPPLIED WITH A FIXING KIT.
THIS IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.

PREMIER TECH AQUA | 1ST ANGLE PROJECTION

REV.	DATE	BY	CHKD.	APPD.	DESCRIPTION
6	19.09.11	RU	DG	RU	VENT BOXES AND GROMMETS ADDED

A3 | DO NOT SCALE IF IN DOUBT ASK ALL DIMENSIONS IN MM | GENERAL TOLERANCES (unless noted otherwise): GRP FABRICATED/MACHINED LINEAR ± 5mm ± 2mm ± 0.5mm; ANGLE ±0.5° ±0.2° ±0.1°

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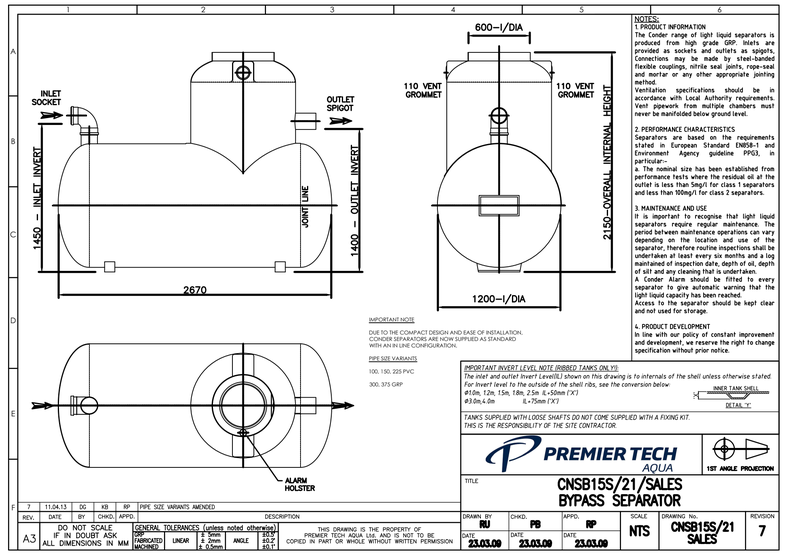
DRAWN BY	CHKD.	APPD.	SCALE	DRAWING No.	REVISION
RU	PB	RP	NTS	CNSB6S/21 SALES	6
DATE 23.03.09	DATE 23.03.09	DATE 23.03.09			

TITLE: CNSB6S/21/SALES BYPASS SEPARATOR



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PIPE SIZE VARIANTS

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ø1.0m, 1.2m, 1.5m, 1.8m, 2.5m IL +50mm ('X')
ø3.0m, 4.0m IL +75mm ('X')

INNER TANK SHELL
X
DETAIL 'Y'

TANKS SUPPLIED WITH LOOSE SHAFTS DO NOT COME SUPPLIED WITH A FIXING KIT.
THIS IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.

PREMIER TECH AQUA | 1ST ANGLE PROJECTION

REV.	DATE	BY	CHKD.	APPD.	DESCRIPTION
7	11.04.13	DG	KB	RP	PIPE SIZE VARIANTS AMENDED

A3 | DO NOT SCALE IF IN DOUBT ASK ALL DIMENSIONS IN MM | GENERAL TOLERANCES (unless noted otherwise): GRP FABRICATED/MACHINED LINEAR ± 5mm ± 2mm ± 0.5mm; ANGLE ±0.5° ±0.2° ±0.1°

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DRAWN BY	CHKD.	APPD.	SCALE	DRAWING No.	REVISION
RU	PB	RP	NTS	CNSB15S/21 SALES	7
DATE 23.03.09	DATE 23.03.09	DATE 23.03.09			

TITLE: CNSB15S/21/SALES BYPASS SEPARATOR

Standard Irish Water Detail References:

STD-WW-01 Waste water service connection responsibility
STD-WW-03 Drain & Service connection pipework
STD-WW-04 Typical Sewer/ Service pipe connection
STD-WW-05 Typical Service layout indicating seperation distances
STD-WW-18 Air valve chamber (Foul rising main <200mmØ)

Refer to dwg. nos. 4828-4020 for plan layout

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

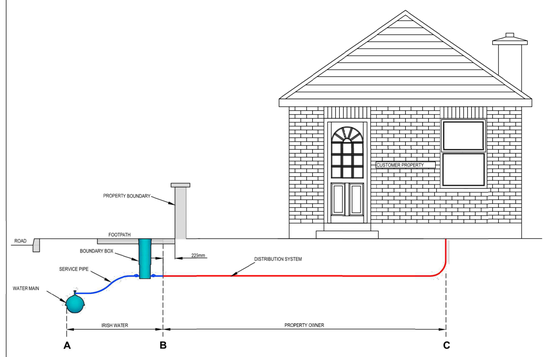
PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE: Proposed Wastewater Details (Sheet 2 of 2)

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:500	4828	4024	A

IW-CDS-5020-01 Rev. 03 December 2017

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.



MAINTENANCE RESPONSIBILITY	
A - B SERVICE PIPE	IRISH WATER
METER / BOUNDARY BOX	IRISH WATER
B - C (DISTRIBUTION SYSTEM)	PROPERTY OWNER
INTERNAL PLUMBING	PROPERTY OWNER

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
C	09/15	JMC	TOC	Initial Issue	SL

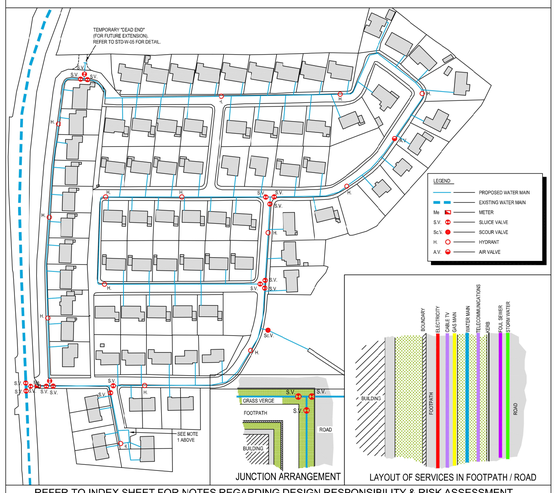
STANDARD DETAILS - WATER

TITLE: WATER SERVICE CONNECTION RESPONSIBILITY

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 01 | REV 0

IW-CDS-5020-01 Rev. 03 December 2017

1. WATER MAIN LAYOUTS SHALL BE ARRANGED IN LOOPS OR RINGS SO AS TO AVOID "DEAD ENDS" OR TERMINAL POINTS. ALL MAINS SHALL TERMINATE IN A LOOP OR RING TO ACCOMMODATE ONE-DIRECTIONAL FLUSHING OF THE NETWORK. LOOPS SHALL HAVE A MINIMUM OF 4 HOUSES AND 1 HYDRANT.
2. THE MINIMUM PIPE SIZE SHALL BE 180mm INTERNAL DIAMETER IN HOUSING DEVELOPMENTS OF 40 AND UP TO 150 HOUSES. DEVELOPMENTS OF 150 HOUSES AND ABOVE SHALL HAVE A MINIMUM PIPE SIZE OF 150mm INTERNAL DIAMETER SPINE AND 100mm BRANCH MAINS. NORMAL INTERNAL DIAMETERS OF 80mm AND LESS MAY BE ALLOWED IN SMALLER DEVELOPMENTS BUT NOT WHERE HYDRANTS ARE LOCATED AND ONLY AFTER PRIOR WRITTEN AGREEMENT FROM IRISH WATER
3. THE MINIMUM PIPE SIZE SHALL BE 100mm IN INDUSTRIAL OR COMMERCIAL DEVELOPMENTS.
4. EVERY PROPERTIE SHOULD HAVE A SEPARATE SERVICE CONNECTION. THE USE OF COMMON SERVICE PIPES IS NOT ALLOWED. SERVICE CONNECTIONS SHALL BE AS SHORT AS REASONABLY POSSIBLE. LONG SERVICE CONNECTIONS (IN EXCESS OF 16mt.(HL) NOT BE ALLOWED. A RISER MAIN AT THE OPPOSITE SIDE OF THE ROAD TO THE MAIN WATER MAIN MAY BE REQUIRED SUBJECT TO APPROVAL FROM IRISH WATER. SERVICE CONNECTIONS SHALL BE A MINIMUM PIPE SIZE OF 25mm EXTERNAL DIAMETER.
5. WATER MAINS SHOULD BE LAID TO PROVIDE THE OPTIMUM CIRCULATION IN THE LOCAL WATER NETWORK. WATER MAINS MAY TERMINATE IN A DEAD END ONLY WITH IRISH WATER APPROVAL. IN WHICH CASE AN ON-LINE WASHOUT HYDRANT SHALL BE PROVIDED AT THE DEAD END, LOCATED WITHIN A CHAMBER ON ADOIL.
6. VALVES SHALL BE ARRANGED IN SUCH A MANNER TO BE ABLE TO ISOLATE THE NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM. AT ANY ONE TIME.
7. NO DOMESTIC PROPERTY SHALL BE MORE THAN 4m FROM A HYDRANT. HYDRANT DETAILS AND LOCATIONS SHALL BE SUBJECT TO THE APPROVAL OF THE RELEVANT LOCAL AUTHORITY FIRE DEPARTMENT.
8. WATER SUPPLY MAINS SHALL BE LAID IN COMMON AREAS AND NOT THROUGH INDIVIDUAL PRIVATE GARDENS OR DRIVEWAYS ETC.
9. A THREE-WAY VALVE ARRANGEMENT SHALL BE PROVIDED AT ALL JUNCTIONS, AS A MINIMUM.
10. THE WATER MAIN PIPWORK TO NEW DEVELOPMENTS SHOULD BE LOCATED AT THE RIGHT HAND SIDE OF THE ENTRANCE TO THE NEW DEVELOPMENT (FROM A VIEW FACING INTO THE DEVELOPMENT) IF POSSIBLE AND WHERE THE PROPERTIES ARE EQUALLY AND REASONABLY DISTRIBUTED AT BOTH SIDES OF THE ESTATE ROADWAY.
11. AIR VALVES TO BE LOCATED AT POINTS WHERE AIR IS LIKELY TO BUILD UP.
12. THE DEVELOPER IS TO LIASE WITH THE FIRE SERVICES AUTHORITY IN ORDER TO ENSURE FIRE FLOWS ARE AVAILABLE THROUGHOUT THE DEVELOPMENT.
13. BULK FLOW METERS SHALL BE FITTED IN ALL DEVELOPMENTS WITH A DEMAND IN EXCESS OF 20m³ PER DAY. BULK FLOW METERS SHALL HAVE A FACTORY FITTED AMR AND INSTALLED IN A SUITABLY SIZED CHAMBER. DEVELOPMENTS WITH DEMAND LESS THAN 20m³ PER DAY SHALL BE PROVIDED WITH DEDICATED BYPASS PIPEWORK AND CHAMBER TO ACCOMMODATE LOCATION OF A TEMPORARY INSHT FLOW METER.
14. WATERMAINS TO BE LOCATED IN GRASS VERGE. IF GRASS VERGE IS NOT AVAILABLE, WATERMAINS TO BE LOCATED UNDER FOOTPATH AWAY FROM KERB. REFER TO STD-W-11 FOR TYPICAL UTILITY LAYOUT.



JUNCTION ARRANGEMENT

LAYOUT OF SERVICES IN FOOTPATH / ROAD

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Temp "dead end" & note 1 ref. added	WD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: TYPICAL LAYOUT FOR WATER MAINS WITHIN DEVELOPMENTS

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 02 | REV 1

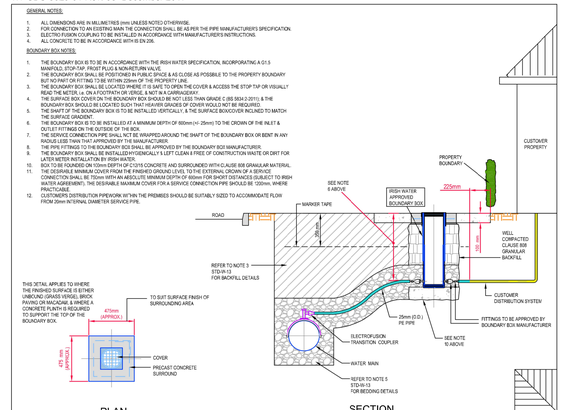
IW-CDS-5020-01 Rev. 03 December 2017

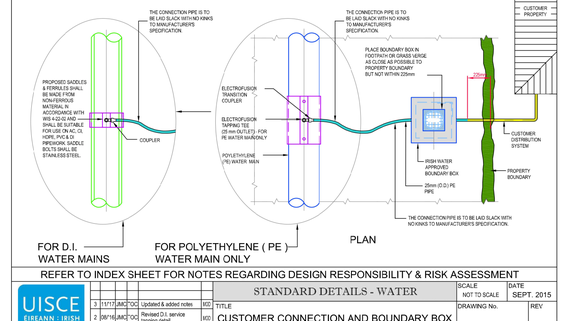
GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION.
3. ELECTRO FUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. ALL CONCRETE TO BE IN ACCORDANCE WITH BS EN 206.

BOUNDARY BOX NOTES:

1. THE BOUNDARY BOX IS TO BE IN ACCORDANCE WITH THE IRISH WATER SPECIFICATION. INCORPORATING A G1.5 UNIAFLO, STOP TAP, FROST PLUG & NON-RETURN VALVE.
2. THE BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC OFFICE & AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NO PART OR FITTING TO BE WITHIN 25mm OF THE PROPERTY LINE.
3. THE BOUNDARY BOX SHALL BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER & ACCESS THE STOP TUP OR VISUALLY READ THE METER. i.e. ON A FOOTPATH OR VERGE & NOT IN CARRIAGEWAY.
4. THE SURFACE BOX COVER ON THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE C (BS 5834-2:2011) & THE BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF COVER WOULD NOT BE REQUIRED.
5. THE SHAFT OF THE BOUNDARY BOX IS TO BE INSTALLED VERTICALLY, & THE SURFACE BOX/COVER INCLINED TO MATCH THE ADJACENT GRADE.
6. THE BOUNDARY BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 900mm (+/- 25mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
7. THE SERVICE CONNECTION PIPE SHALL NOT BE WRAPPED AROUND THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIUS LESS THAN THAT APPROVED BY THE MANUFACTURER.
8. THE PIPE FITTINGS TO THE BOUNDARY BOX SHALL BE APPROVED BY THE BOUNDARY BOX MANUFACTURER.
9. THE BOUNDARY BOX SHALL BE INSTALLED HYGIENICALLY & LEFT CLEAN & FREE OF CONSTRUCTION WASTE OR DIRT FOR INSPECTION BY THE IRISH WATER INSPECTOR.
10. BOX TO BE SURROUNDED ON 100mm DEPTH OF C20 PB CONCRETE AND SURROUNDED WITH CLASS B/8 GRANULAR MATERIAL.
11. THE DESIRABLE MINIMUM COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 750mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES (SUBJECT TO IRISH WATER AGREEMENT). THE DESIRABLE MAXIMUM COVER FOR A SERVICE CONNECTION PIPE SHOULD BE 1200mm. WHERE PRACTICABLE.
12. CUSTOMER'S DISTRIBUTION PIPEWORK WITHIN THE PREMISES SHOULD BE SUITABLY SIZED TO ACCOMMODATE FLOW FROM 25mm IN'TERNAL DIAMETER SERVICE PIPE.





REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
3	11/17	JMC	TOC	Updated & added notes	WD
2	06/16	JMC	TOC	Revised D.I. service tapping detail	WD
1	04/16	JMC	TOC	Added dimensions & notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

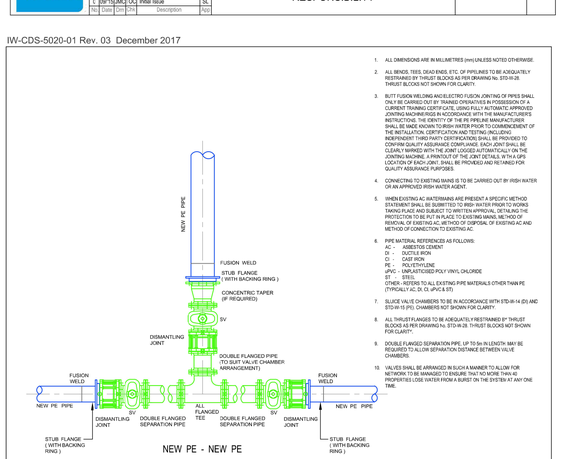
STANDARD DETAILS - WATER

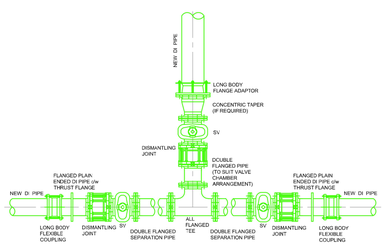
TITLE: CUSTOMER CONNECTION AND BOUNDARY BOX (25mm OD PIPE)

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 03 | REV 3

IW-CDS-5020-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. ALL BENDS, TEES, DEAD ENDS, ETC. OF PIPELINES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-26. THRUST BLOCKS NOT SHOWN FOR CLARITY.
3. BUTT FUSION WELDING AND ELECTRO FUSION JOINTING OF PIPES SHALL ONLY BE CARRIED OUT BY TRAINED OPERATIVES IN POSSESSION OF A CURRENT TRAINING CERTIFICATE, USING FULLY AUTOMATIC APPROVED JOINTING MACHINERIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE IDENTITY OF THE PE PIPELINE MANUFACTURER SHALL BE MADE KNOWN TO IRISH WATER PRIOR TO COMMENCEMENT OF THE INSTALLATION. CERTIFICATION AND TESTING (INCLUDING INDEPENDENT THIRD PARTY CERTIFICATION) SHALL BE PROVIDED TO CONFIRM QUALITY ASSURANCE COMPLIANCE. EACH JOINT SHALL BE CLEAR, Y MARKED WITH THE JOINT LOGGED AUTOMATICALLY ON THE JOINTING MACHINE. A PRINTOUT OF THE JOINT DETAILS, WITH A GPS LOCATION OF EACH JOINT, SHALL BE PROVIDED AND RETAINED FOR QUALITY ASSURANCE PURPOSES.
4. CONNECTING TO EXISTING MAINS IS TO BE CARRIED OUT BY IRISH WATER OR AN APPROVED IRISH WATER AGENT.
5. WHEN EXISTING AC WATERMAINS ARE PRESENT A SPECIFIC METHOD STATEMENT SHALL BE SUBMITTED TO IRISH WATER PRIOR TO WORKS TAKING PLACE AND SUBJECT TO WRITTEN APPROVAL, DETAILING THE PROTECTION TO BE PUT IN PLACE TO EXISTING MAINS, METHOD OF REMOVAL OF EXISTING AC, METHOD OF DISPOSAL OF EXISTING AC AND METHOD OF CONNECTION TO EXISTING AC.
6. PIPE MATERIAL REFERENCES AS FOLLOWS:
   AC - ASBESTOS CEMENT
   DI - DUCTILE IRON
   CI - CAST IRON
   PE - POLYETHYLENE
   uPVC - UNPLASTICISED POLY VINYL CHLORIDE
   CC - COPPER
   OTHER - REFER TO ALL EXISTING PIPE MATERIALS OTHER THAN PE (TYPICALLY AC, DI, CI, uPVC & ST)
7. VALVE CHAMBER TO BE IN ACCORDANCE WITH STD-W-14 (DI) & STD-W-15 (PE). CHAMBERS NOT SHOWN FOR CLARITY.
8. ALL THRUST FLANGES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-26. THRUST BLOCKS NOT SHOWN FOR CLARITY.
9. DOUBLE FLANGED SEPARATION PIPE, UP TO 5m IN LENGTH, MAY BE REQUIRED TO ALLOW SEPARATION DISTANCE BETWEEN VALVE CHAMBERS.
10. VALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW FOR NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM AT ANY ONE TIME.





REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Notes added & updated.	WD
0	09/15	JMC	TOC	Initial Issue	SL

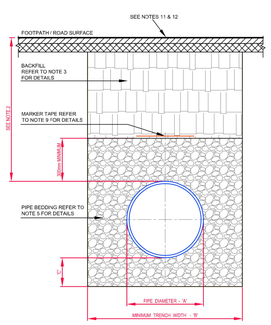
STANDARD DETAILS - WATER

TITLE: GENERAL PIPE CONNECTIONS (Sheet 4 of 7)

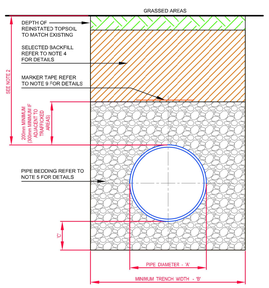
SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 07 | REV 1

IW-CDS-5020-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPE SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN HOUSING ESTATE ROADS. GREATER DEPTHS OF COVER AND/OR PIPE STRENGTH AND/OR A HIGHER CLASS OF BEDDING MATERIAL MAY BE REQUIRED WHERE HIGH TRAFFIC LOADING IS ANTICIPATED. THE DESIRABLE COVER FOR A WATERMAIN SHOULD BE 1200mm. WHERE PRACTICABLE & SHOULD NOT EXCEED 3.0m.
3. THE TRENCH IS TO BE BACKFILLED IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE WATER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 500mm OF THE EDGE OF THE ROADWAY. CLAUSE 804 / 806 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 808 IS TO BE USED WITHIN 500mm OF CEMENT BOUND MATERIALS. CLAUSE 804 IS TO BE USED WITHIN 500mm OF BITUMINOUS BOUND MATERIALS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804 OR CLAUSE 808) OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES **WRITTEN APPROVAL** TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.
4. SUITABLE EXCAVATED MATERIAL MAY BE USED IN GREEN-FIELD AREAS ABOVE GRANULAR PIPE SURROUND MATERIAL SUBJECT TO REVIEW BY IRISH WATER.
5. PIPE BEDDING SHALL COMPLY WITH WS 4-08-02 AND IGN 4-08-01 GRANULAR MATERIAL, SHALL BE 14mm TO 5mm GRADED AGGREGATE OR 10mm SINGLE SIZED AGGREGATE TO IS EN 13242.
6. IN SOFT GROUND CONDITIONS (CBR < 5) THE MATERIAL SHOULD BE EXCAVATED OUT AND DISPOSED OF IN ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND CLAUSE 804 / 805 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS SHALL APPLIACE THE BEDDING MATERIAL SHALL BE PLACED IN ACCORDANCE WITH. ALTERNATIVELY, SPECIAL PIPE SUPPORT ARRANGEMENTS, INCLUDING PILING ETC, MAY BE REQUIRED WHERE THE DEPTH OF SOFT MATERIAL IS EXCESSIVE. SUCH ARRANGEMENTS SHALL BE SUBJECT TO ASSESSMENT BY IRISHWATER BEFORE ADVANCING WITH THE WORK.
7. PIPES SHALL NOT BE SUPPORTED ON STONES OR ROCKS. OR ANY HARD OBJECT AT ANY POINT ALONG THE TRENCH. WORK SHALL BE EXCAVATED TO A FIRM FOUNDATION. IN ROCK OR HARD SPOT THE TRENCH SHALL BE TAKEN DOWN AND FILLED WITH CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
8. SHOULD MINIMUM COVER NOT BE ACHIEVABLE, CONCRETE GRADE C8/10 SHALL BE USED AS BACKFILL MATERIAL.
9. MARKER TAPE TO BE 400mm WIDE BLUE POLYETHYLENE MATERIAL IN ACCORDANCE WITH I.S. 12 AND SHALL BE SUITABLE FOR USE ON AC, CI, HDPE, PVC & SI AND INCORPORATED A REINFORCED BAND WRAPING WIRE. BEFORE HDPE PIPES SHALL HAVE 200mm WIDE MESH TAPE. MARKER TAPE TO BE LAID AT TOP OF PIPE BEDDING LAYER.
10. TRENCH WIDTHS FOR PIPE SIZES ≤80mm MAY BE <500mm, SUBJECT TO CONSIDERATION BEING GIVEN TO THE TRENCH DEPTH, HEALTH & SAFETY & CONSTRUCTION ACCESS REQUIREMENTS.
11. MAKE GOOD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
12. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMINTS.



CROSS SECTION IN ROADWAYS



CROSS SECTION IN GRASSED AREAS

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
≤ 80	SEE NOTE 10
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
≤ 200	150
≥ 250	200

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

No	Date	Drn	Chk	Description	App
1	11/17	JMC	TOC	Added & updated notes	WD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WATER

TITLE: TRENCH BACKFILL AND BEDDING

SCALE: NOT TO SCALE | DATE: SEPT. 2015 | DRAWING No. STD-W- 13 | REV 1

IW-CDS-5020-01 Rev. 03 December 2017

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. ALL BENDS, TEES, DEAD ENDS, ETC. OF PIPELINES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-26. THRUST BLOCKS NOT SHOWN FOR CLARITY.
3. BUTT FUSION WELDING AND ELECTRO FUSION JOINTING OF PIPES SHALL ONLY BE CARRIED OUT BY TRAINED OPERATIVES IN POSSESSION OF A CURRENT TRAINING CERTIFICATE, USING FULLY AUTOMATIC APPROVED JOINTING MACHINERIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE IDENTITY OF THE PE PIPELINE MANUFACTURER SHALL BE MADE KNOWN TO IRISH WATER PRIOR TO COMMENCEMENT OF THE INSTALLATION. CERTIFICATION AND TESTING (INCLUDING INDEPENDENT THIRD PARTY CERTIFICATION) SHALL BE PROVIDED TO CONFIRM QUALITY ASSURANCE COMPLIANCE. EACH JOINT SHALL BE CLEAR, Y MARKED WITH THE JOINT LOGGED AUTOMATICALLY ON THE JOINTING MACHINE. A PRINTOUT OF THE JOINT DETAILS, WITH A GPS LOCATION OF EACH JOINT, SHALL BE PROVIDED AND RETAINED FOR QUALITY ASSURANCE PURPOSES.
4. CONNECTING TO EXISTING MAINS IS TO BE CARRIED OUT BY IRISH WATER OR AN APPROVED IRISH WATER AGENT.
5. WHEN EXISTING AC WATERMAINS ARE PRESENT A SPECIFIC METHOD STATEMENT SHALL BE SUBMITTED TO IRISH WATER PRIOR TO WORKS TAKING PLACE AND SUBJECT TO WRITTEN APPROVAL, DETAILING THE PROTECTION TO BE PUT IN PLACE TO EXISTING MAINS, METHOD OF REMOVAL OF EXISTING AC, METHOD OF DISPOSAL OF EXISTING AC AND METHOD OF CONNECTION TO EXISTING AC.
6. PIPE MATERIAL REFERENCES AS FOLLOWS:
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   PE - POLYETHYLENE
   uPVC - UNPLASTICISED POLY VINYL CHLORIDE
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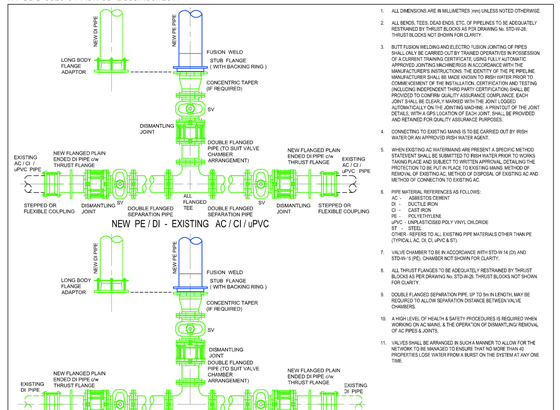
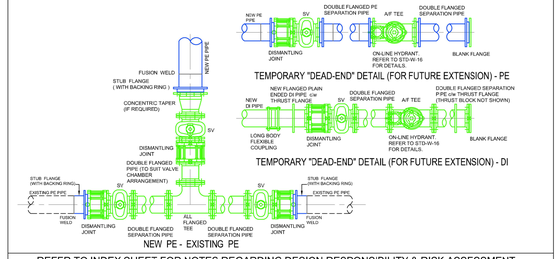
   OTHER - REFERS TO ALL EXISTING PIPE MATERIALS OTHER THAN PE (TYPICALLY AC, DI, CI, uPVC & ST)
7. VALVE CHAMBER TO BE IN ACCORDANCE WITH STD-W-14 (DI) & STD-W-15 (PE). CHAMBER NOT SHOWN FOR CLARITY.
8. ALL THRUST FLANGES TO BE ADEQUATELY RESTRAINED BY THRUST BLOCKS AS PER DRAWING No. STD-W-26. THRUST BLOCKS NOT SHOWN FOR CLARITY.
9. DOUBLE FLANGED SEPARATION PIPE, UP TO 5m IN LENGTH, MAY BE REQUIRED TO ALLOW SEPARATION DISTANCE BETWEEN VALVE CHAMBERS.
10. A HIGH LEVEL OF HEALTH & SAFETY PROCEDURES IS REQUIRED WHEN WORKING ON AC MAINS, & THE OPERA"ION OF DISMANTLING REMOVAL OF AC PIPES & JOINTS.
11. VALVES SHALL BE ARRANGED IN SUCH A MANNER TO ALLOW FOR THE NETWORK TO BE MANAGED TO ENSURE THAT NO MORE THAN 40 PROPERTIES LOSE WATER FROM A BURST ON THE SYSTEM AT ANY ONE TIME.





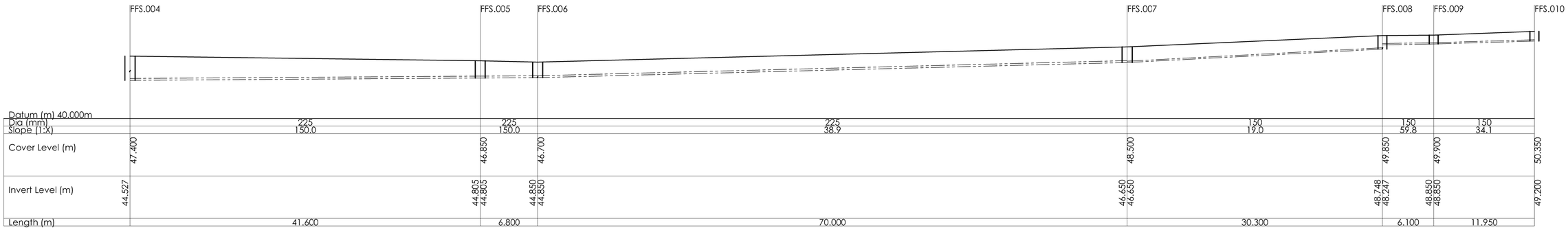
REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE EIREANN : IRISH WATER

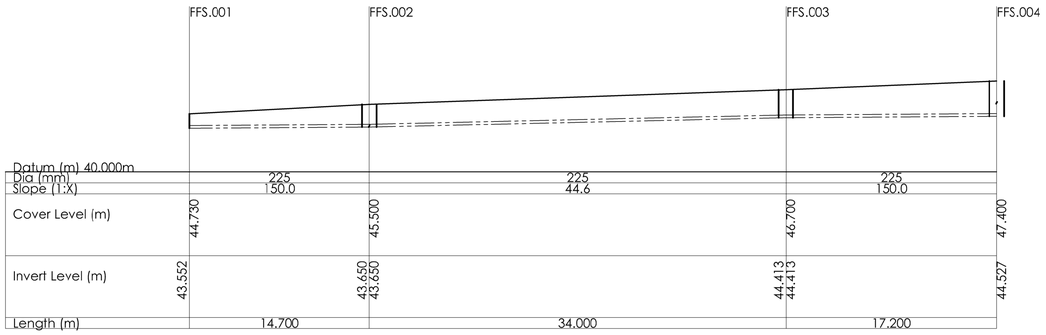
No	Date	Drn	Chk	Description	App
2	11/17	JMC	TOC	Added new D.I. pipe to details, added 2 No. detail & updated notes	WD
1	06/16	JMC	TOC	Added Note 10	WD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WATER

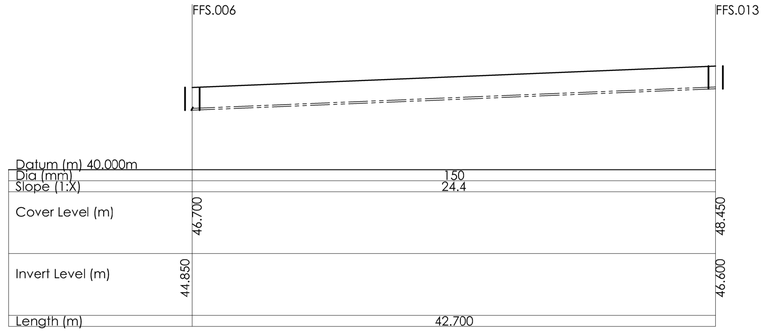
TITLE: GENERAL PIPE CON



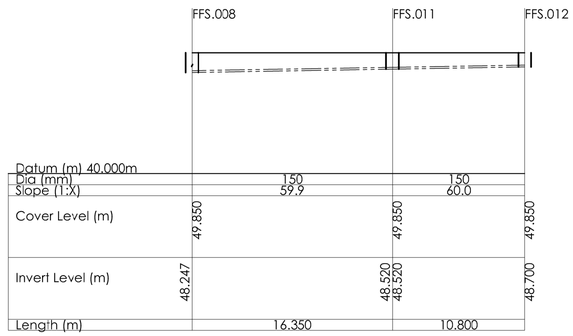
Longitudinal Storm Sewer Section MH's S.004 - S.010
Scale 1:250



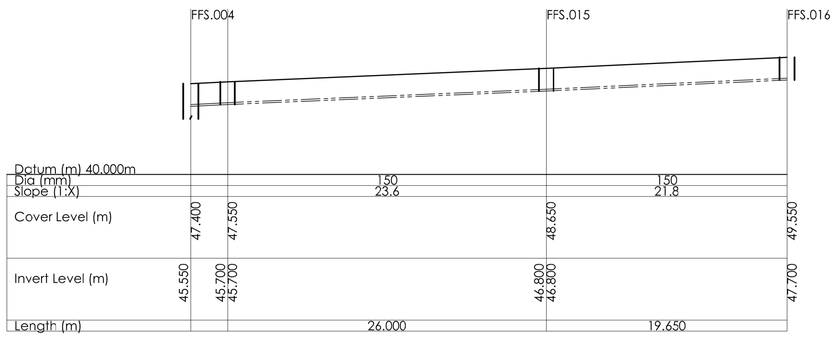
Longitudinal Storm Sewer Section MH's S.001 - S.004
Scale 1:250



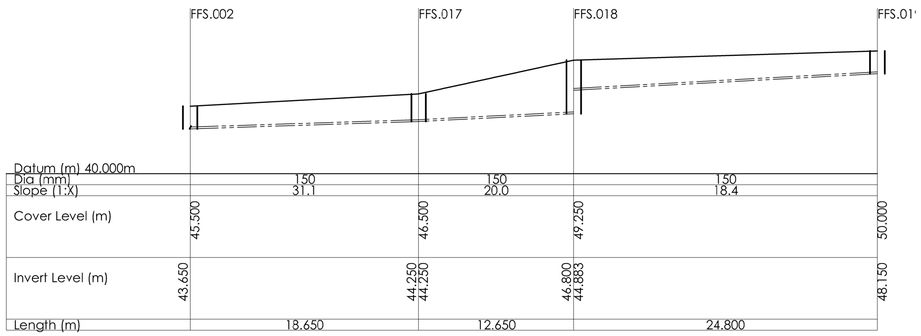
Longitudinal Storm Sewer Section MH's S.006 - S.013
Scale 1:250



Longitudinal Storm Sewer Section MH's S.008 - S.012
Scale 1:250



Longitudinal Storm Sewer Section MH's S.004 - S.016
Scale 1:250



Longitudinal Storm Sewer Section MH's S.002 - S.019
Scale 1:250

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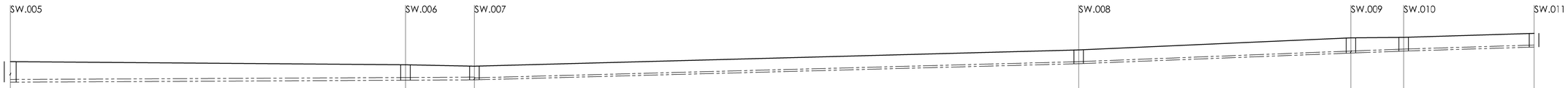
REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

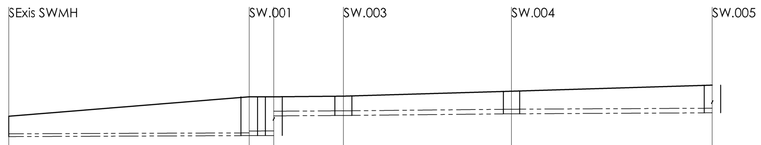
DRAWING TITLE
Proposed Foul Sewer Longitudinal Sections

SHEET A1 | SCALE 1:250 | PROJECT NO. 4828 | DRAWING NO. 4060 | STATUS/ISSUE B



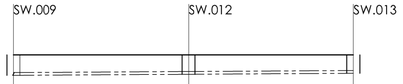
Datum (m) 40.000m											
Dia (mm)		300		300		225		225		225	225
Slope (1:X)		200.0		200.0		37.5		25.7		27.2	32.3
Cover Level (m)	47.200		46.850	46.700			48.500		49.850	49.900	50.350
Invert Level (m)	44.941		45.162 45.162	45.200 45.200			47.000 47.000		48.183 48.183	48.400 48.400	48.850
Length (m)		44.150		7.700		67.500		30.400		5.900	14.550

Longitudinal Storm Sewer Section MH's S.005 - S.011
Scale 1:250



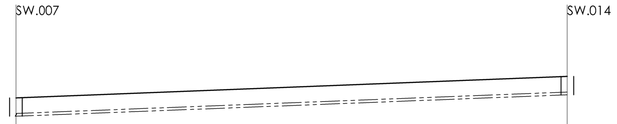
Datum (m) 40.000m								
Dia (mm)		225		375	375		375	
Slope (1:X)		250.0		200.0	102.2		200.0	
Cover Level (m)	44.660		46.250 46.250		46.300		46.700	47.200
Invert Level (m)	43.001		43.080 43.080 44.496 43.088		44.725 44.725		44.859 44.859	44.941
Length (m)		19.650		5.700	13.700		16.400	

Longitudinal Storm Sewer Section MH's S.001 - S.005
Scale 1:250



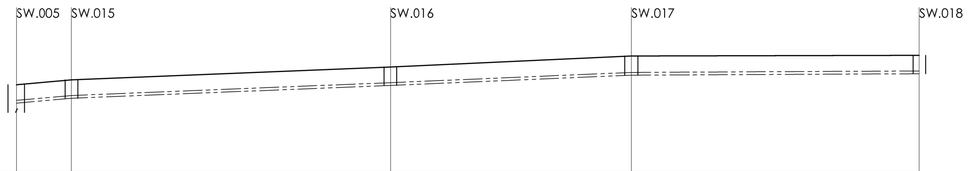
Datum (m) 40.000m					
Dia (mm)		225		225	
Slope (1:X)		166.3		166.0	
Cover Level (m)	49.850		49.850		49.850
Invert Level (m)	48.183		48.269 48.269		48.350
Length (m)		14.300		13.450	

Longitudinal Storm Sewer Section MH's S.009 - S.013
Scale 1:250



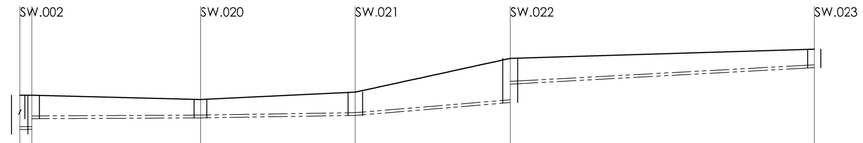
Datum (m) 40.000m			
Dia (mm)		225	
Slope (1:X)		25.7	
Cover Level (m)	46.700		48.450
Invert Level (m)	45.200		46.950
Length (m)		45.000	

Longitudinal Storm Sewer Section MH's S.007 - S.014
Scale 1:250



Datum (m) 40.000m							
Dia (mm)		225		225		225	
Slope (1:X)		11.3		24.9		23.5	200.0
Cover Level (m)	47.200	47.600		48.650		49.550	49.600
Invert Level (m)	45.700	46.100 46.100		47.146 47.146		47.983 47.983	48.100
Length (m)		4.500	26.050		19.650		23.500

Longitudinal Storm Sewer Section MH's S.005 - S.018
Scale 1:250



Datum (m) 40.000m							
Dia (mm)		225		225		225	225
Slope (1:X)		198.9		63.3		12.0	18.4
Cover Level (m)	44.250 44.250		45.900		46.500		49.250	50.000
Invert Level (m)	44.331 44.331		44.400 44.400		44.600 44.600		47.150 45.650	48.500
Length (m)		13.725		12.650		12.650	24.800

Longitudinal Storm Sewer Section MH's S.002 - S.023
Scale 1:250

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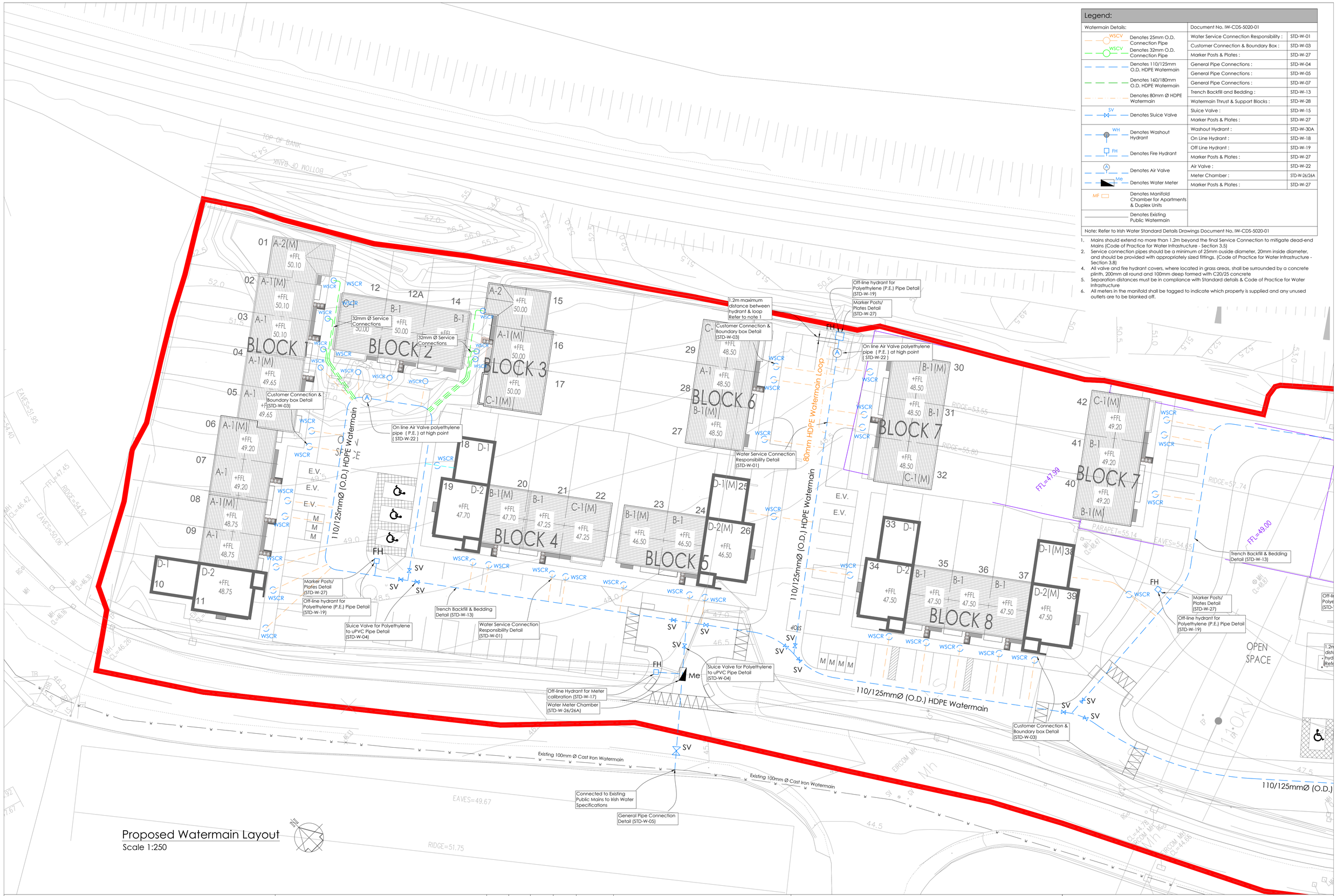
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT
Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE
Proposed Storm Sewer Longitudinal Sections

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4070	B



Proposed Watermain Layout

Scale 1:250

Legend:

Watermain Details:	Document No. IW-CDS-5020-01	
WSCV — Denotes 25mm O.D. Connection Pipe	Water Service Connection Responsibility :	STD-W-01
WSCV — Denotes 32mm O.D. Connection Pipe	Customer Connection & Boundary Box :	STD-W-03
	Marker Posts & Plates :	STD-W-27
Denotes 110/125mm O.D. HDPE Watermain	General Pipe Connections :	STD-W-04
	General Pipe Connections :	STD-W-05
Denotes 160/180mm O.D. HDPE Watermain	General Pipe Connections :	STD-W-07
Denotes 80mm Ø HDPE Watermain	Trench Backfill and Bedding :	STD-W-13
	Watermain Thrust & Support Blocks :	STD-W-28
SV — Denotes Sluice Valve	Sluice Valve :	STD-W-15
	Marker Posts & Plates :	STD-W-27
WH — Denotes Washout Hydrant	Washout Hydrant :	STD-W-30A
	On Line Hydrant :	STD-W-18
FH — Denotes Fire Hydrant	Off Line Hydrant :	STD-W-19
	Marker Posts & Plates :	STD-W-27
A — Denotes Air Valve	Air Valve :	STD-W-22
Me — Denotes Water Meter	Meter Chamber :	STD-W-26/26A
	Marker Posts & Plates :	STD-W-27
MF — Denotes Manifold Chamber for Apartments & Duplex Units		
Denotes Existing Public Watermain		

Note: Refer to Irish Water Standard Details Drawings Document No. IW-CDS-5020-01

1. Mains should extend no more than 1.2m beyond the final Service Connection to mitigate dead-end Mains (Code of Practice for Water Infrastructure - Section 3.5)
2. Service connection pipes should be a minimum of 25mm ouside diameter, 20mm inside diameter, and should be provided with appropriately sized fittings. (Code of Practice for Water Infrastructure - Section 3.8)
4. All valve and fire hydrant covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete
5. Separation distances must be in compliance with Standard details & Code of Practice for Water Infrastructure
6. All meters in the manifold shall be tagged to indicate which property is supplied and any unused outlets are to be blanked off.

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
D	G.S.	S.O'G	C.O'S	25.05.20	Revised & Reissued for Planning
C	G.S.	S.O'G	C.O'S	06.04.20	Revised & Reissued for Planning
B	G.S.	S.O'G	C.O'S	20.02.20	Revised & Reissued for Planning
A	G.S.	S.O'G	C.O'S.	22.10.19	Issued for Planning

CLIENT

PROJECT: Residential Dev. at Old Mallow Road, Blackpool, Cork

DRAWING TITLE: Proposed Watermain Layout (1 of 2)

SHEET	SCALE	PROJECT NO.	DRAWING NO.	STATUS/ISSUE
A1	1:250	4828	4030	D

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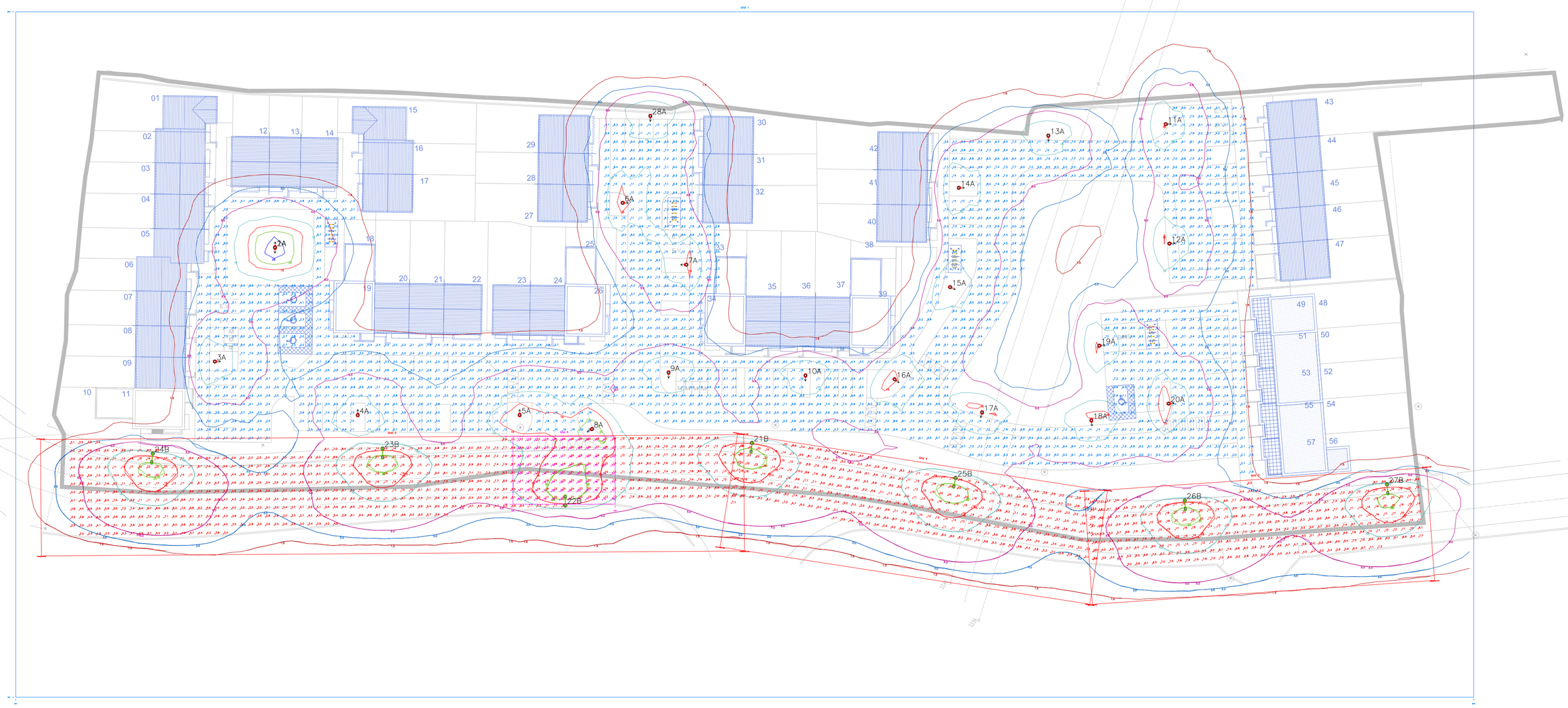

GENERAL NOTES

1. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SCOPE OF WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF KELLIHERS FOR CLARIFICATION PRIOR TO ANY WORK COMMENCING.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, DISCREPANCIES ARE TO BE NOTIFIED TO THE CONTRACTOR AND DESIGN FOR RESOLUTION.
4. ALL WORKS TO COMPLY WITH PREVIOUSLY AGREED AND ISSUED SPECIFICATIONS

LEGEND

Grid 1
Results – Horizontal Illuminance (lux)
Eav= 6.34
Emin= 1.53
Emax= 20.55
Emin/Emax= 0.07
Emin/Eav= 0.24

Grid 2
Results – Horizontal Illuminance (lux)
Eav= 9.18
Emin= 1.96
Emax= 24.54
Emin/Emax= 0.08
Emin/Eav= 0.21

Grid 3
Results – Horizontal Illuminance (lux)
Eav= 8.99
Emin= 2.23
Emax= 22.50
Emin/Emax= 0.10
Emin/Eav= 0.25

Grid 4
Results – Horizontal Illuminance (lux)
Eav= 8.73
Emin= 2.79
Emax= 23.73
Emin/Emax= 0.12
Emin/Eav= 0.32

Grid 5
Results – Horizontal Illuminance (lux)
Eav= 16.20
Emin= 8.68
Emax= 24.36
Emin/Emax= 0.36
Emin/Eav= 0.54

Luminaire Data
Luminaire A XSPME – B – Type 3SH – DY2 4K
Lamp 3MD–SA1400 M DY2 4K MF 0.76

Luminaire B XSPE022SHH40K_24–#14
Lamp 5MDA1400#34K MF 0.84

Key
- Luminaire A Column
- Luminaire B Column
- Beam Aiming Target
- Photometric Centre

All Dimensions in metres

REV. NO.	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED	DATE
0	ISSUED FOR COUNCIL APPROVAL	DMD	PS	PS	29OCT19

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PROJECT: OLD MALLOW ROAD BLACKPOOL

KELLIHERS ELECTRICAL LTD,
M50 BUSINESS PARK ,
BALLYMOUNT,
DUBLIN 12

APPROVALS		DATE
DRAWN	DMD	29OCT19
DESIGNED	DMD	29OCT19
REVIEWED	PS	29OCT19
SAFETY	–	–
LAYOUT	DMD	29OCT19
ENGINEER	DMD	29OCT19
APPROVED	PS	29OCT19
EQT CODE	CREE	

OLD MALLOW ROAD BLACKPOOL CO. CORK LIGHTING LAYOUT CREE XSPME

WIN NO.	FILE NAME	DRAWING NO.	REV.
–	OMR/01	KE/OMR/01	0
OLD DWG NO.	PLOT SCALE	DRAWING SCALE	SHEET OF
–	TO FIT	1/500@A1	1 – 1

A1

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