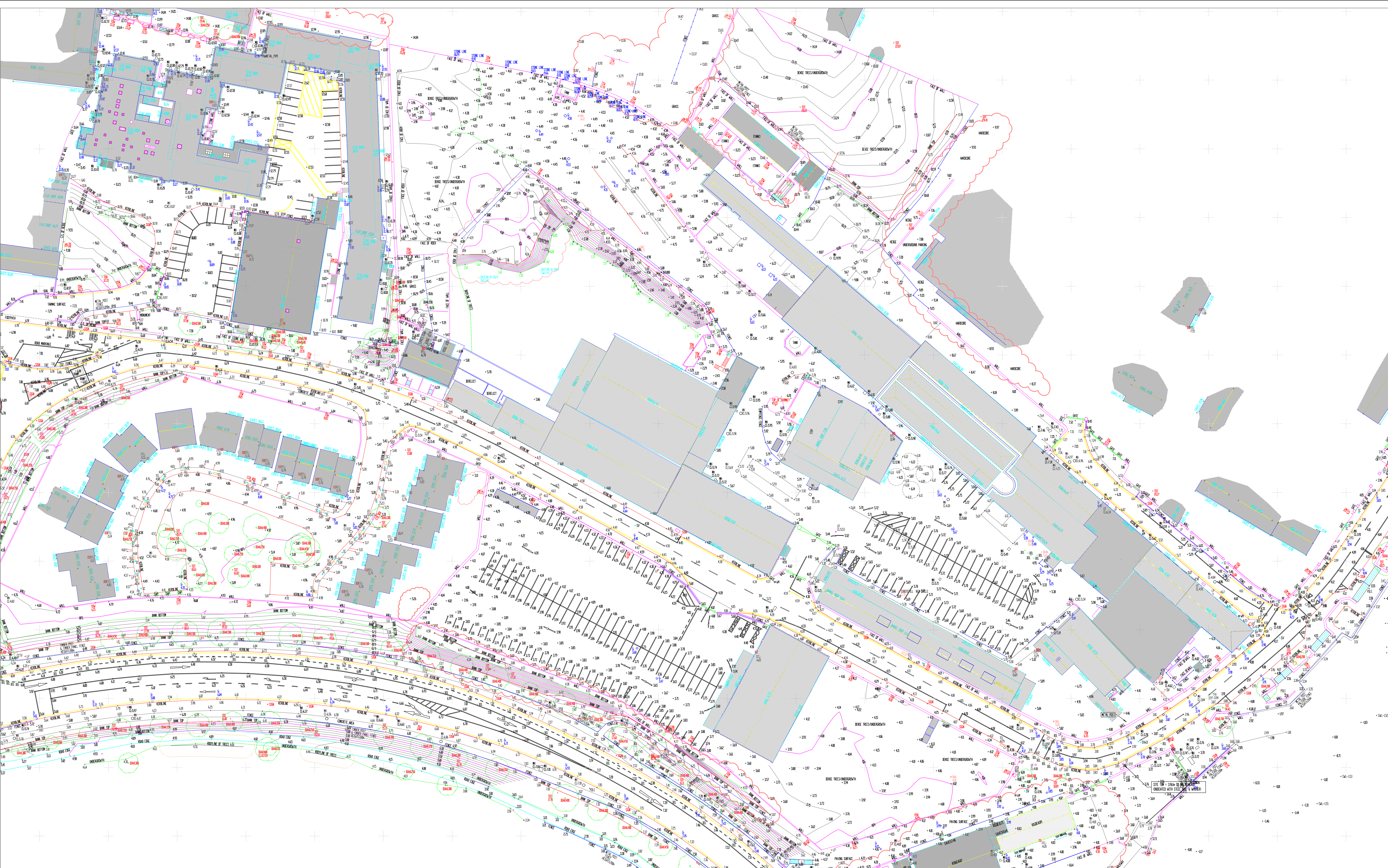


Appendix C

C.1 Topographical Survey



Topographical Survey
Scale 1:500

ITM Grid

010m20m30m

1:500

SURVEY NOTES

1. All levels are related to Malin Head Datum (OSGM15)

2. All dimensions are in meters unless otherwise stated.

3. any discrepancies in the survey should be reported to Geodata Surveying Ltd immediately.

4. Do not scale, this shall only be permitted in digital form.

5. Grid is 20m x 20m

KEY PLAN

ABBREVIATIONS

AI ARMSTRONG JUNCTION
AR ASSUMED ROUTE
AV AIR VALVE
AN ANTENNA
BD BACKDROP
BL BED LEVEL
BH BOREHOLE
Bin LITTER / GRIT SALT BIN
BO BOLLARD
BP BOUNDARY POST
BS BUS STOP

CATV CABLE TV COVER
CB CONTROL BOX
CL COVER LEVEL
CL: CEILING SOFFIT OS DATUM
CPS CAMERA POST
CUP CURVED PIPE
D DEPTH
DH DOOR HEIGHT
DI LITTER / GRIT SALT BIN
BO BOLLARD
BP BOUNDARY POST
BS BUS STOP

ESB ELECTRIC INSP COVER
EP ELECTRICITY STANDARD
ER EARTH ROD
FA FIRE ALARM SYSTEM
FB FOOTBRIDGE
F/C FLOOR TO CILL HEIGHT
F/H FLOOR TO HEAD HEIGHT
F/L FIRE HYDRANT
FLL FLOOR LEVEL
FS FLAG STAFF/POLE
G GULLY

G= GIRTH
GIP GAS INLET PIPE
GAS GAS VALVE
IC INSP CHAMBER
IL INVERT LEVEL
IP INLET PIPE
L LIGHT FITTING
LP LAMP STANDARD
ME MECHANICAL EQUIP
NH MANHOLE
MP MINI PILLAR

O/H OVER HEAD LINE
OS OUTSIDE SURVEY AREA
OTM TOP OF TOWER
PI METAL PIN/POST
RWOP RAIN WATER DOWN PIPE
RO ROCK OUTCROP
SWL SURFACE WATER LEVEL
STN CONTROL STATION
SOIL SOIL
SV SLUICE VALVE
SC STOP COCK

SS SECURITY SYSTEM
ST STAY WIRE
UT UTILITY INSP CHAMBER
VP VENT PIPE
TELE TELECOM INS
TL TRAFFIC LIGHT
TP TELECOM POLE
NO ROCK OUTCROP
TOP TOP OF FENCE
TOT TOP OF TREE
TOW TOP OF WALL
TPT TOP OF TREE
UB BEAM SOFFIT OS DATUM

U/G UNDERGROWTH
UT UTILITY INSP CHAMBER
VP VENT PIPE
TELE TELECOM INS
TL TRAFFIC LIGHT
TP TELECOM POLE
NO ROCK OUTCROP
TOP TOP OF FENCE
TOT TOP OF TREE
TOW TOP OF WALL
TPT TOP OF TREE
UB BEAM SOFFIT OS DATUM

1. METAL CLADDING
2. ROOF SLATE
3. ROOF TILES
4. ASBESTOS
5. MEMBRANE
6. RENDER
7. STONE
8. BRICK
9. TIMBER
10. DASHED RENDER
11. BLOCKWORK
12. CONCRETE

06 25-10-24 Topographical detail ML KOB

05 31-07-24 Topographical detail ML KOB

04 23-02-21 Topographical detail ML KOB

03 20-01-21 Chimney Stack ML KOB

02 15-11-20 Topographical detail ML KOB

01 24-09-20 Topographical detail ML KOB

Rev Date Description Dwn By Cld By

Client: Limerick 2030

Job No.: 18885 200

Rev: 06

Scale: 1:500

Sheet: A1

Date: 25-10-24

Drawn By: KD

Checked By: ML

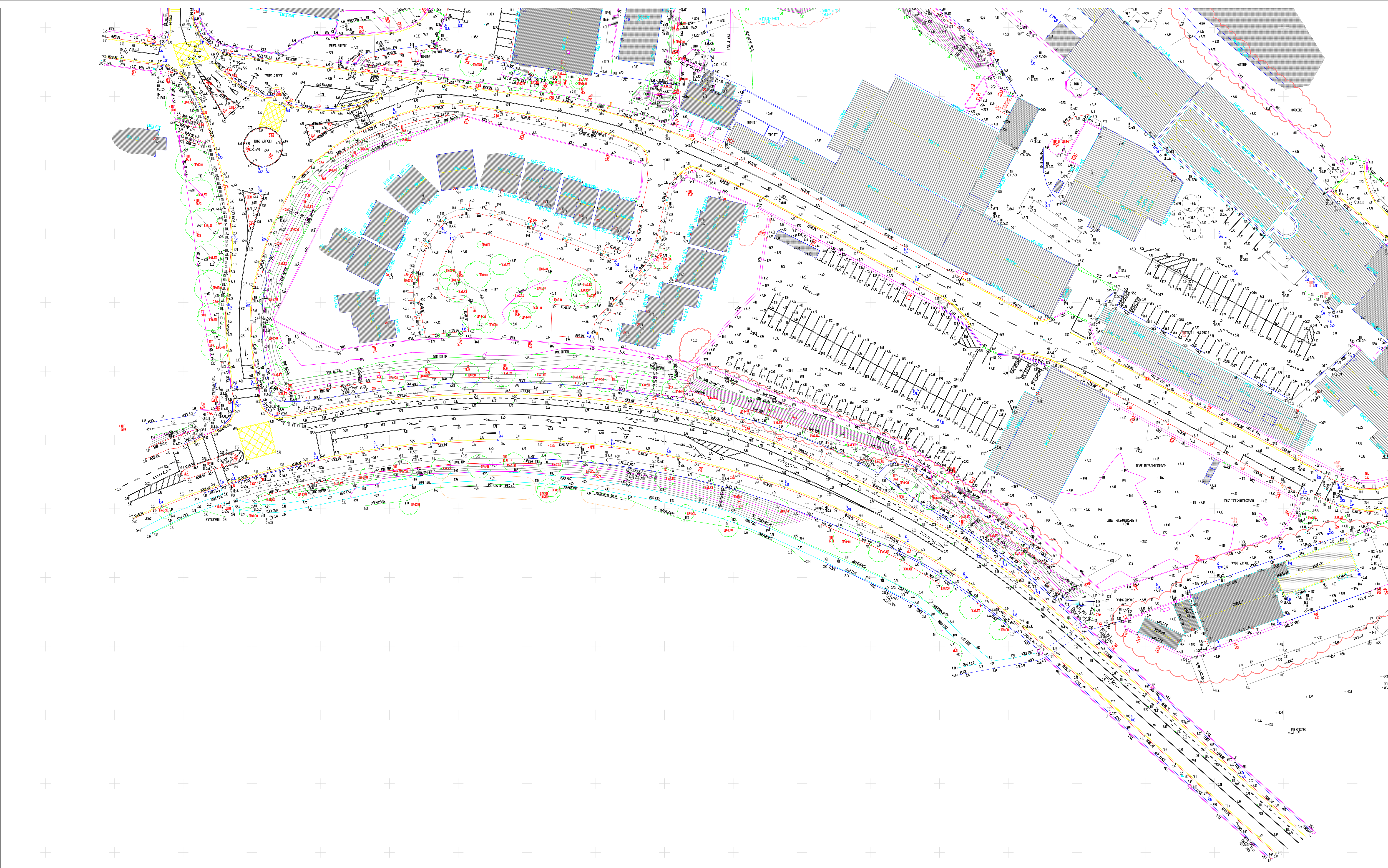
Approved By: KOB

Geodata

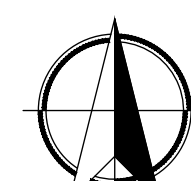
Chartered Land Surveyors

47 Oliver Plunkett Street, Bandon, Co. Cork, P72 A443, Ireland
Tel: +353 (0)23 88 52798 | Email: info@geodatasurveying.ie

© Copyright 2022 Geodata Surveying Ltd



Topographical Survey
Scale 1:500



ITM Grid

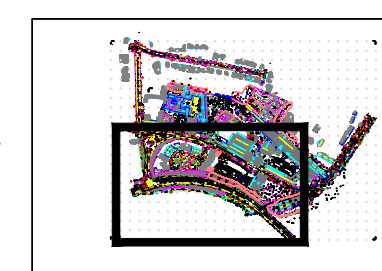
0 10m 20m 30m

1:500

SURVEY NOTES

1. All levels are related to Malin Head Datum (OSGM15)
2. All dimensions are in meters unless otherwise stated.
3. any discrepancies in the survey should be reported to Geodata Surveying Ltd immediately.
4. Do not scale, this shall only be permitted in digital form.
5. Grid is 20m x 20m

KEY PLAN



ABBREVIATIONS

AJ ARMSTRONG JUNCTION	CB CONTROL BOX	ESB ELECTRIC INSP COVER	G- GIRTH	O/H OVER HEAD LINE	SS SECURITY SYSTEM	U/G UNDERGROWTH	1. METAL CLADDING
AR ASSUMED ROUTE	CL COVER LEVEL	EP ELECTRICITY STANDARD	GAS GAS INLET PIPE	OS OUTSIDE SURVEY AREA	ST STAY WIRE	UT UTILITY INSP CHAMBER	2. ROOF SLATE
AV AIR VALVE	CEILING SOFFIT OS DATUM	ER EARTH ROD	GAS GAS VALVE	PG SKATE OUT PEG	TD TEMPORARY BENCH MARK	VP VENT PIPE	3. ROOF TILES
AN ANTENNA	CACTV CABLE TV COVER	FA FIRE ALARM SYSTEM	IC INSP CHAMBER	PI METAL PIN/POST	TL TELECOM INSP	VT VENT	4. ASBESTOS
BD BACKDROP	CDP CAMERA POST	FB FOOTBRIDGE	IL INVERT LEVEL	RWOP RAIN WATER DOWN PIPE	TL TRAFFIC LIGHT	UTF UNABLE TO LIFT	5. MEMBRANE
BL BED LEVEL	CULVERT PIPE	F/C FLOOR TO CILL HEIGHT	IP INLET PIPE	NO ROCK OUTCROP	TP TELECOM POLE	UTR UNABLE TO ROD	6. RENDER
BH BOREHOLE	D DEPTH	F/H FLOOR TO HEAD HEIGHT	IP INLET PIPE	SWL SURFACE WATER LEVEL	NO ROCK OUTCROP	UTS UNABLE TO SURVEY	7. STONE
Bin LITTER / GRIT SALT BIN	DH DOOR HEIGHT	LP LAMP STANDARD	LP LAMP STANDARD	STN CONTROL STATION	TOD TOP OF DITCH	UTT UNABLE TO TRACE	8. BRICK
BO BOLLARD	DS DIRECTION SIGN	ME MECHANICAL EQUIP	STP SOIL STACK	STN CONTROL STATION	TOW TOP OF WALL	UJS UNABLE TO JUMP	9. TIMBER
BP BOUNDARY POST	EE ELECTRICAL EQUIPMENT	NH MANHOLE	SV SLUICE VALVE	SV SLUICE VALVE	TOT TOP OF TREE	WM WATER METER	10. DASHED RENDER
BS BUS STOP		G GULLY	MP MINI PILLAR	MP MINI PILLAR	UB BEAM SOFFIT OS DATUM	WO WASH OUT VALVE	11. BLOCKWORK CONCRETE

06	25-10-24	Topographical detail	ML	KOB
05	31-07-24	Topographical detail	ML	KOB
04	23-02-21	Topographical detail	ML	KOB
03	20-01-21	Chimney Stack	ML	KOB
02	15-11-20	Topographical detail	ML	KOB
01	24-09-20	Topographical detail	ML	KOB
Rev	Date	Description	Drn By	Cld By

Materials

1. METAL CLADDING
2. ROOF SLATE
3. ROOF TILES
4. ASBESTOS
5. MEMBRANE
6. RENDER
7. STONE
8. BRICK
9. TIMBER
10. DASHED RENDER
11. BLOCKWORK CONCRETE
- 12.

Client: Limerick 2030

Project: Cleeves, Limerick City.

Title: Topographical Survey 3D

Date: 25-10-24 Sheet: A1 Scale: 1-500

Rev. 06

Job No.: 18885 Dwg. No.: 202

Drawn By: KD

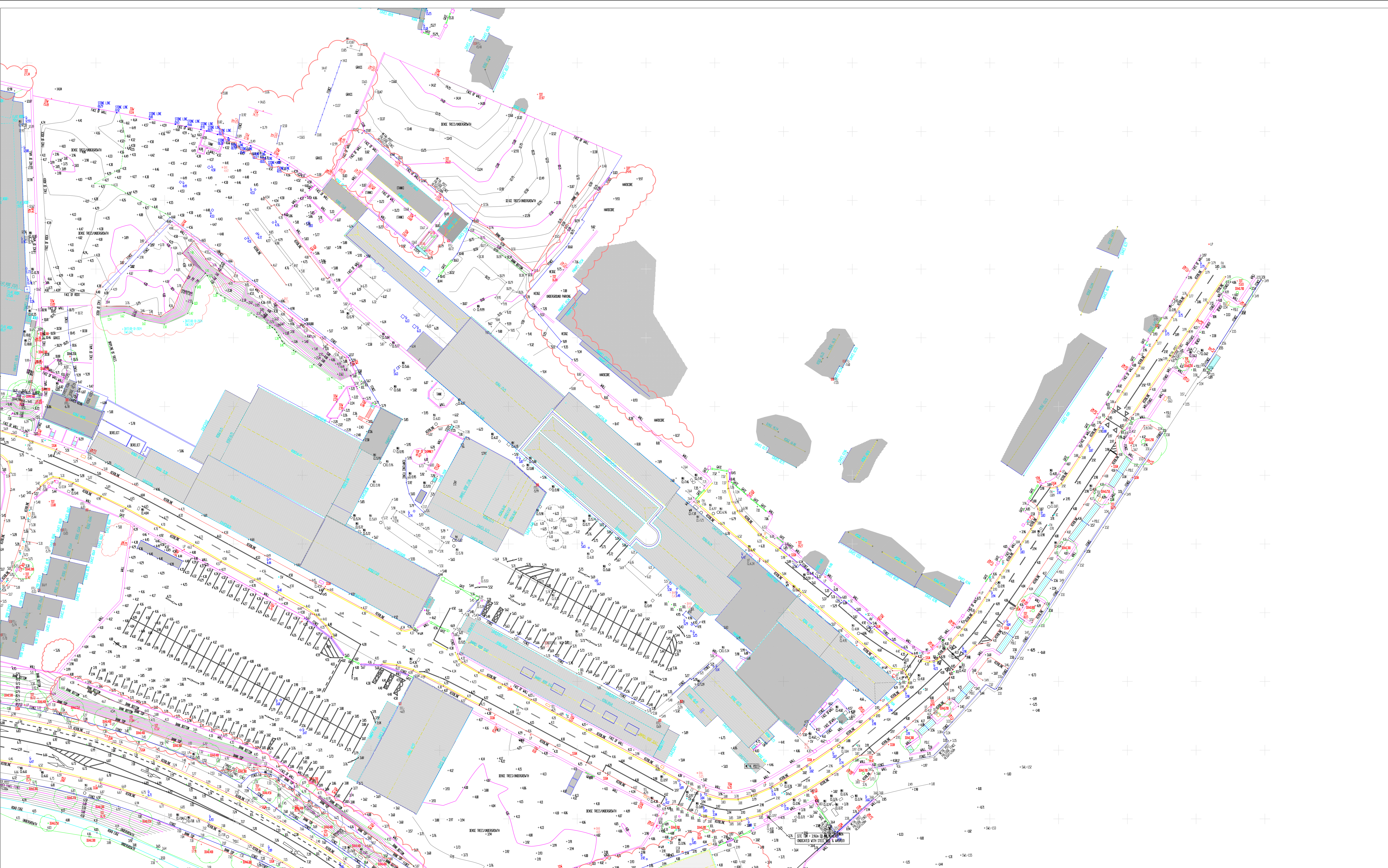
Checked By: ML

Approved By: KOB



Geodata
Chartered Land Surveyors

47 Oliver Plunkett Street, Bandon, Co. Cork, P72 A443, Ireland
Tel: +353 (0)23 88 52798 | Email: info@geodatasurveying.ie



Topographical Survey
Scale 1:500



ITM Grid

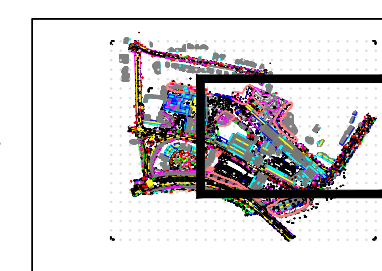


0 10m 20m 30m
1:500

SURVEY NOTES

1. All levels are related to Malin Head Datum (OSGM15)
2. All dimensions are in meters unless otherwise stated.
3. any discrepancies in the survey should be reported to Geodata Surveying Ltd immediately
4. Do not scale, this shall only be permitted in digital form.
5. Grid is 20m x 20m

KEY PLAN



ABBREVIATIONS

AJ ARMSTRONG JUNCTION	CB CONTROL BOX	CAV CABLE TV COVER	ESB ELECTRIC INSP COVER	G- GIRTH	O/H OVER HEAD LINE	SS SECURITY SYSTEM
AR ASSUMED ROUTE	CL COVER LEVEL	CL CEILING SOFFIT OS DATUM	EP ELECTRICITY STANDARD	GIP GAS INLET PIPE	OS OUTSIDE SURVEY AREA	ST STAY WIRE
AV AIR VALVE	CM CAMERA MOUNT	CM CAMERA MOUNT	FA FIRE ALARM SYSTEM	IC INSP CHAMBER	PI METAL PIN/POST	TD TEMPORARY BENCH MARK
AN ANTENNA	CP CLUTTER PIPE	CP CLUTTER PIPE	FB FOOTBRIDGE	IL INVERT LEVEL	RWOP RAIN WATER DOWN PIPE	TEL TELECOM INSP
BD BACKDROP	CU CLUTTER	CU CLUTTER	FC FLOOR TO CELL HEIGHT	IP INLET PIPE	RO ROCK OUTCROP	TL TRAFFIC LIGHT
BL BED LEVEL	DE DEPTH	DE DEPTH	F/H FLOOR TO HEAD HEIGHT	LP LAMP STANDARD	STN CONTROL STATION	TP TELECOM POLE
BH BORHOLE	DH DOOR HEIGHT	DH DOOR HEIGHT	LI LIGHT FITTING	ME MECHANICAL EQUIP	STP SOIL STACK	TOP TOP OF FENCE
Bin LITTER / GRIT SALT BIN	DI DIAMETER	DI DIAMETER	LP LAMP STANDARD	MP MANHOLE	SV SLUICE VALVE	TOW TOP OF DITCH
BO BOLLARD	DS DIRECTION SIGN	DS DIRECTION SIGN	MP MANHOLE	MP MINI PILLAR	SV STOP COCK	TOT TOP OF TREE
BP BOUNDARY POST	EE ELECTRICAL EQUIPMENT	EE ELECTRICAL EQUIPMENT	MP MINI PILLAR	MP STOP COCK	SV STOP COCK	UB BEAM SOFFIT OS DATUM
BS BUS STOP						

06	25-10-24	Topographical detail	ML	KOB
05	31-07-24	Topographical detail	ML	KOB
04	23-02-21	Topographical detail	ML	KOB
03	20-01-21	Chimney Stack	ML	KOB
02	15-11-20	Topographical detail	ML	KOB
01	24-03-20	Topographical detail	ML	KOB

Rev Date Description Dwn By Cld By

Materials

1. METAL CLADDING
2. ROOF SLATE
3. ROOF TILES
4. ASBESTOS
5. MEMBRANE
6. RENDER
7. STONE
8. BRICK
9. TIMBER
10. DASHED RENDER
11. BLOCKWORK
12. CONCRETE

Client: Limerick 2030

Project: Cleeves, Limerick City.

Title: Topographical Survey 3D

Date: 25-10-24 Sheet: A1 Scale: 1-500

Rev. 06

Job No. 18885 203

Dwg. No. 18885 203

Drawn By: KD

Checked By: ML

Approved By: KOB

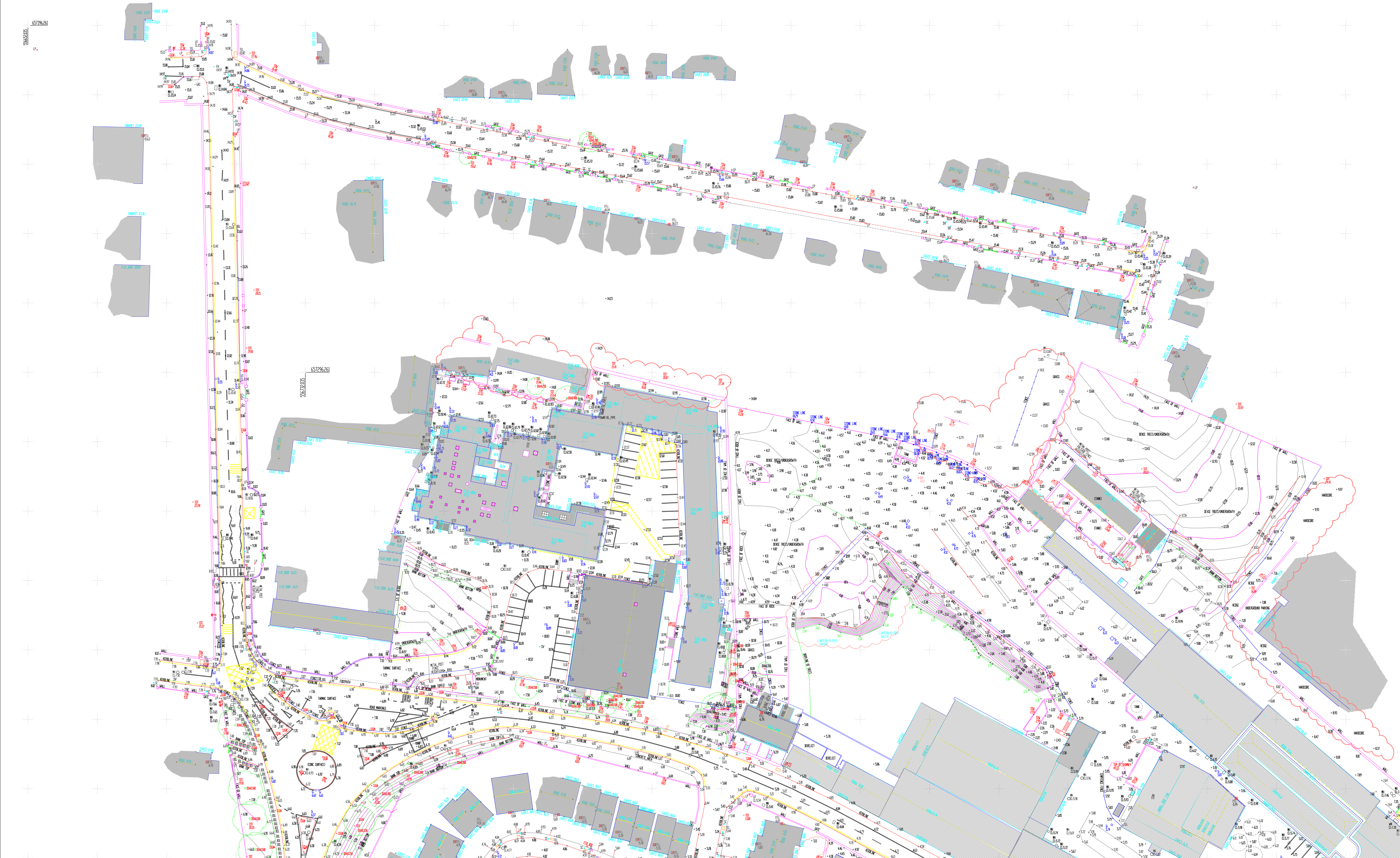


© Copyright 2022 Geodata Surveying Ltd



47 Oliver Plunkett Street, Bandon, Co. Cork, P72 A443, Ireland
Tel: +353 (0)23 88 52798 | Email: info@geodatasurveying.ie

Geodata
Chartered Land Surveyors



Topographical Survey

Scale 1:500

ITM Grid

0 10m 20m 30m

1:500

1. All levels are related to Malin Head Datum (OSGM15)

2. All dimensions are in meters unless otherwise stated.

3. any discrepancies in the survey should be reported to Geodata Surveying Ltd immediately.

4. Do not scale, this shall only be permitted in digital form.

5. Grid is 20m x 20m

KEY PLAN

SURVEY NOTES

1. All levels are related to Malin Head Datum (OSGM15)

2. All dimensions are in meters unless otherwise stated.

3. any discrepancies in the survey should be reported to Geodata Surveying Ltd immediately.

4. Do not scale, this shall only be permitted in digital form.

5. Grid is 20m x 20m

ABBREVIATIONS

AJ ARMSTRONG JUNCTION

AR ASSUMED ROUTE

AV AIR VALVE

AN ANTENNA

BD BACKDROP

BL BED LEVEL

BH BOREHOLE

Bin LITTER / GRIT SALT BIN

BO BOLLARD

BP BOUNDARY POST

BS BUS STOP

CATV CABLE TV COVER

CB CONTROL BOX

CL COVER LEVEL

CL: CEILING SOFFIT OS DATUM

Cpx CAMERA POST

CPI CULVERT PIPE

D DEPTH

DH DOOR HEIGHT

DIA DIAMETER

DS DIRECTION SIGN

EE ELECTRICAL EQUIPMENT

ESB ELECTRIC INSP COVER

EP ELECTRICITY STANDARD

ER EARTH ROD

FA FIRE ALARM SYSTEM

FB FOOTBRIDGE

F/C FLOOR TO CILL HEIGHT

F/H FLOOR TO HEAD HEIGHT

FH FIRE HYDRANT

FFL FLOOR LEVEL

FS FLAG STAFF/POLE

G GULCH

G= GIRTH

GIP GAS INLET PIPE

GA GAS VALVE

IC INSP CHAMBER

IL INVERT LEVEL

IP INLET PIPE

IP FLOOR TO HEAD HEIGHT

LP LAMP STANDARD

ME MECHANICAL EQUIP

MH MANHOLE

MP MINI PILLAR

O/H OVER HEAD LINE

OS OUTSIDE SURVEY AREA

PI METAL PIN/POST

RWOP RAIN WATER DOWN PIPE

RO ROCK OUTCROP

SWL SURFACE WATER LEVEL

STN CONTROL STATION

SOIL STACK

SV SLUICE VALVE

SC STOP COCK

SS SECURITY SYSTEM

ST STAY WIRE

TD TELECOM BENCH MARK

TELECOM INSP

TL TRAFFIC LIGHT

UT UTILITY INSP CHAMBER

UT VENT

UTF UNABLE TO LIFT

UTR UNABLE TO ROD

UTT UNABLE TO SURVEY

UTT UNABLE TO TRACE

U/S UPSTAND

WM WATER METER

WO WASH OUT VALVE

1. METAL CLADDING

2. ROOF SLATE

3. ROOF TILES

4. ASBESTOS

5. MEMBRANE

6. RENDER

7. STONE

8. BRICK

9. TIMBER

10. DASHED RENDER

11. BLOCKWORK

12. CONCRETE

06 25-10-24 Topographical detail ML KOB

05 31-07-24 Topographical detail ML KOB

04 23-02-21 Topographical detail ML KOB

03 20-01-21 Chimney Stack ML KOB

02 15-11-20 Topographical detail ML KOB

01 24-03-20 Topographical detail ML KOB

Rev Date Description Dwn By Cld By

Client: Limerick 2030

Job No: 18885 201

Drawn By: KD

Checked By: ML

Approved By: KOB

Scale: 1:500

Geodata

Chartered Land Surveyors

47 Oliver Plunkett Street, Bandon, Co. Cork, P22 A443, Ireland

Tel: +353 (0)23 88 52798 | Email: info@geodatasurveying.ie