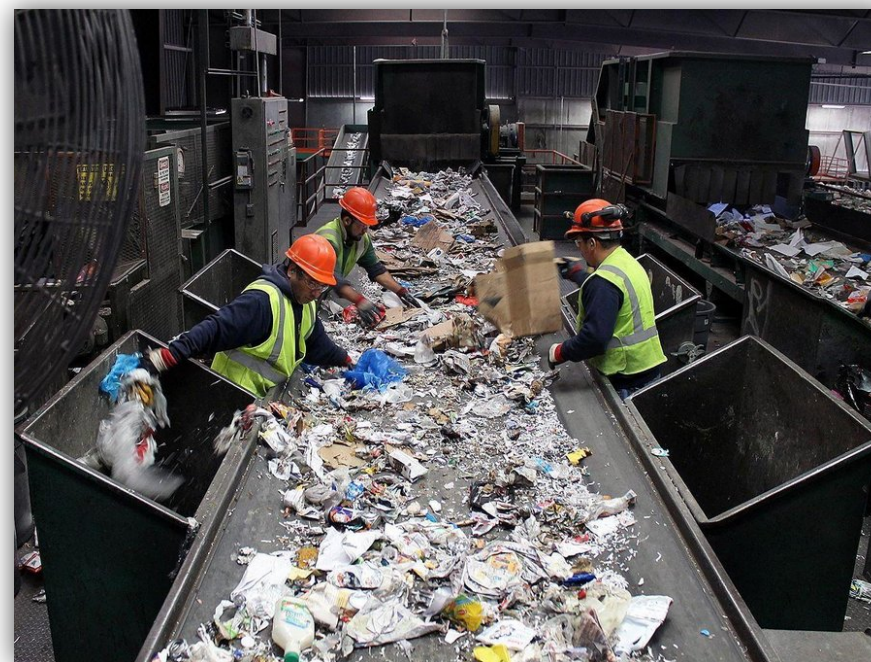


Little Island Waste Recycling and Transfer Station

Courtstown Industrial Park, Little Island, Co. Cork



Proposed Development of a Recycling and Transfer Station at Courtstown Industrial Park, Little Island, Co Cork.

Environmental Impact Assessment

Volume III: Drawings and Figures


November 2018

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Drawing 1023	Proposed Site Signage Details
Drawing 1024	Proposed New Exit Gate Details
Drawing 1025	Proposed Underground Firewater Containment Tank Details
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Legend

 Proposed Site Boundary



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Client: Ray Keane & Associates

Project: Waste Transfer Facility - Little Island

Title: Site Location

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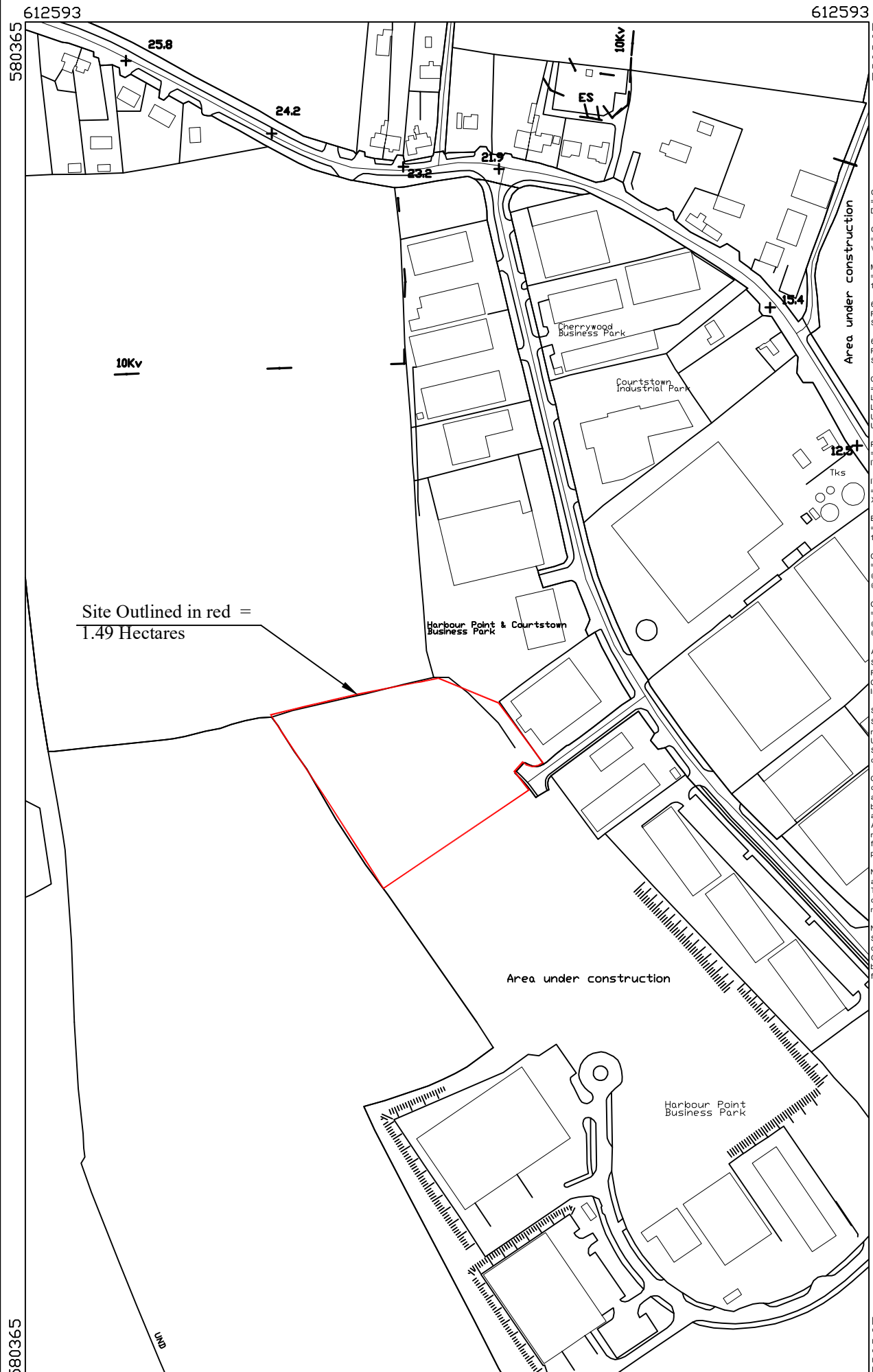
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SURVEY DATE = 01-Oct-1992

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ITM

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Figure 1.2

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Legend

 Proposed Site Boundary



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Project: Waste Transfer Facility - Little Island

Title: Nearby Residential Locations

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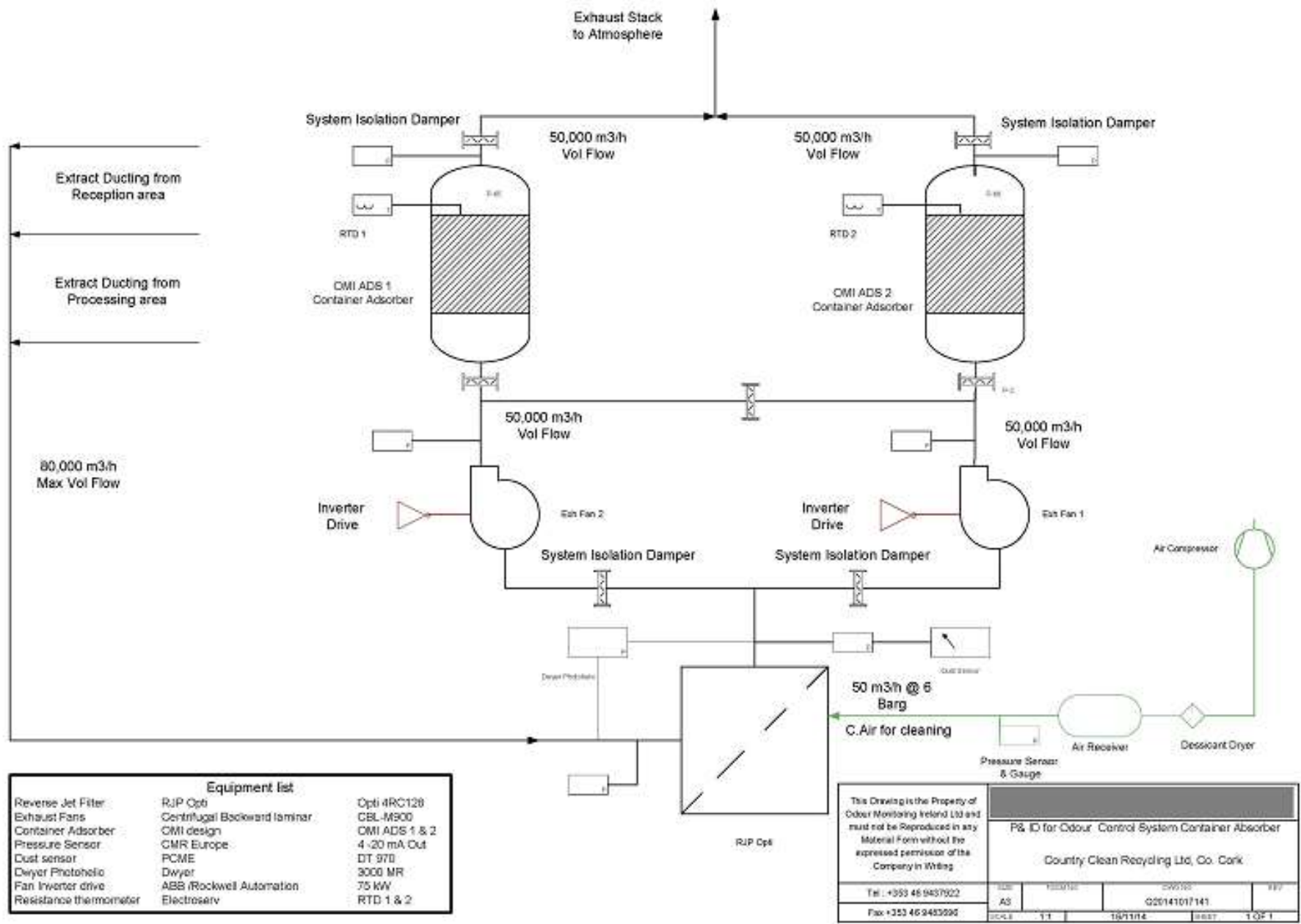
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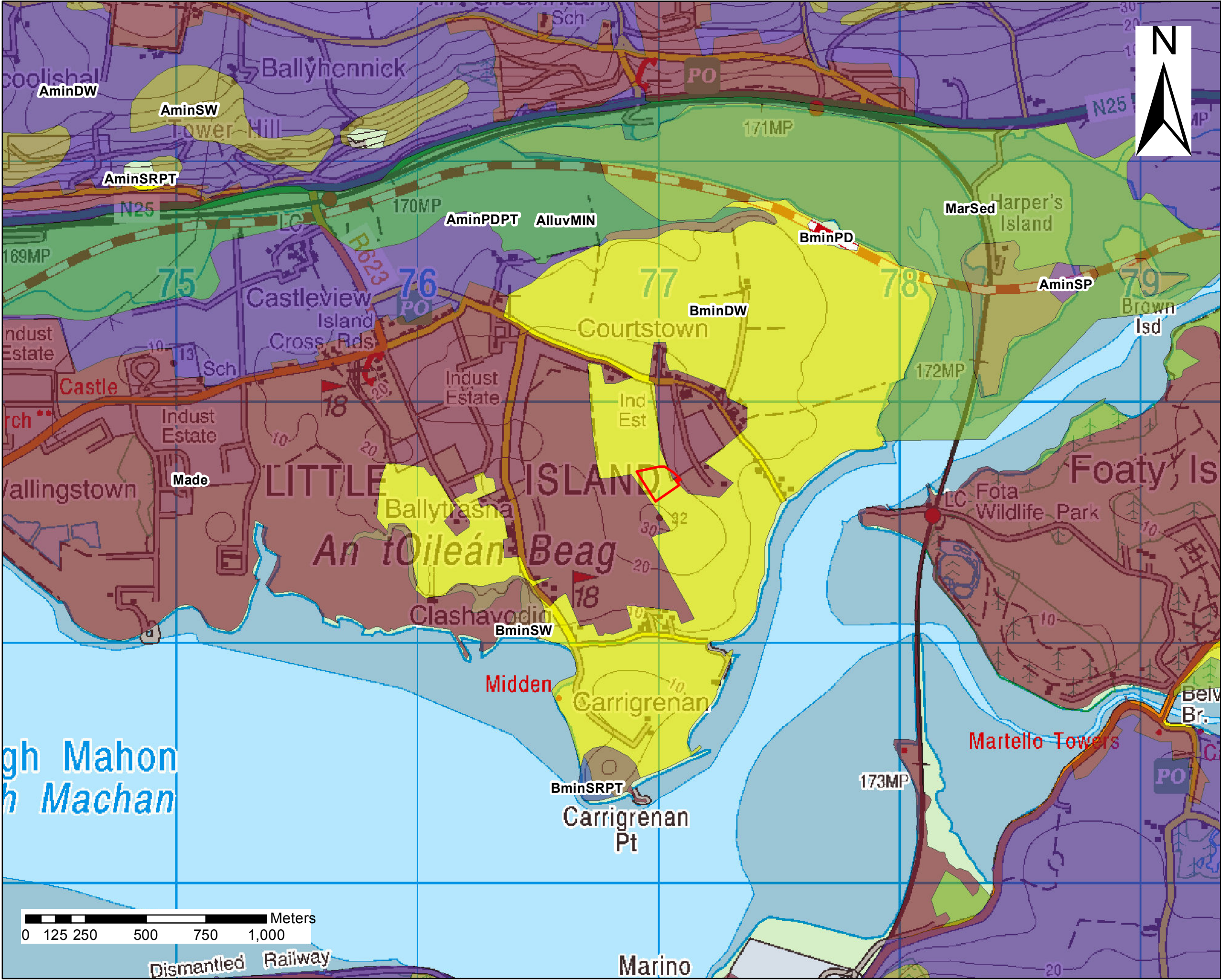
Figure 4.1- Proposed PFD model for proposed odour control system.



Proposed PFD model for proposed odour control system.



Figure 5.1: Map illustrating the habitats that occur within the proposed development site overlain on aerial photography.



Legend

IFS Soil Classification

- AlluvMIN
- AminDW
- AminPD
- AminSP
- AminSPPT
- AminSW
- BminDW
- BminSP
- BminSPPT
- BminSRPT
- BminSW
- Made
- MarSands
- MarSed
- Proposed Site Boundary




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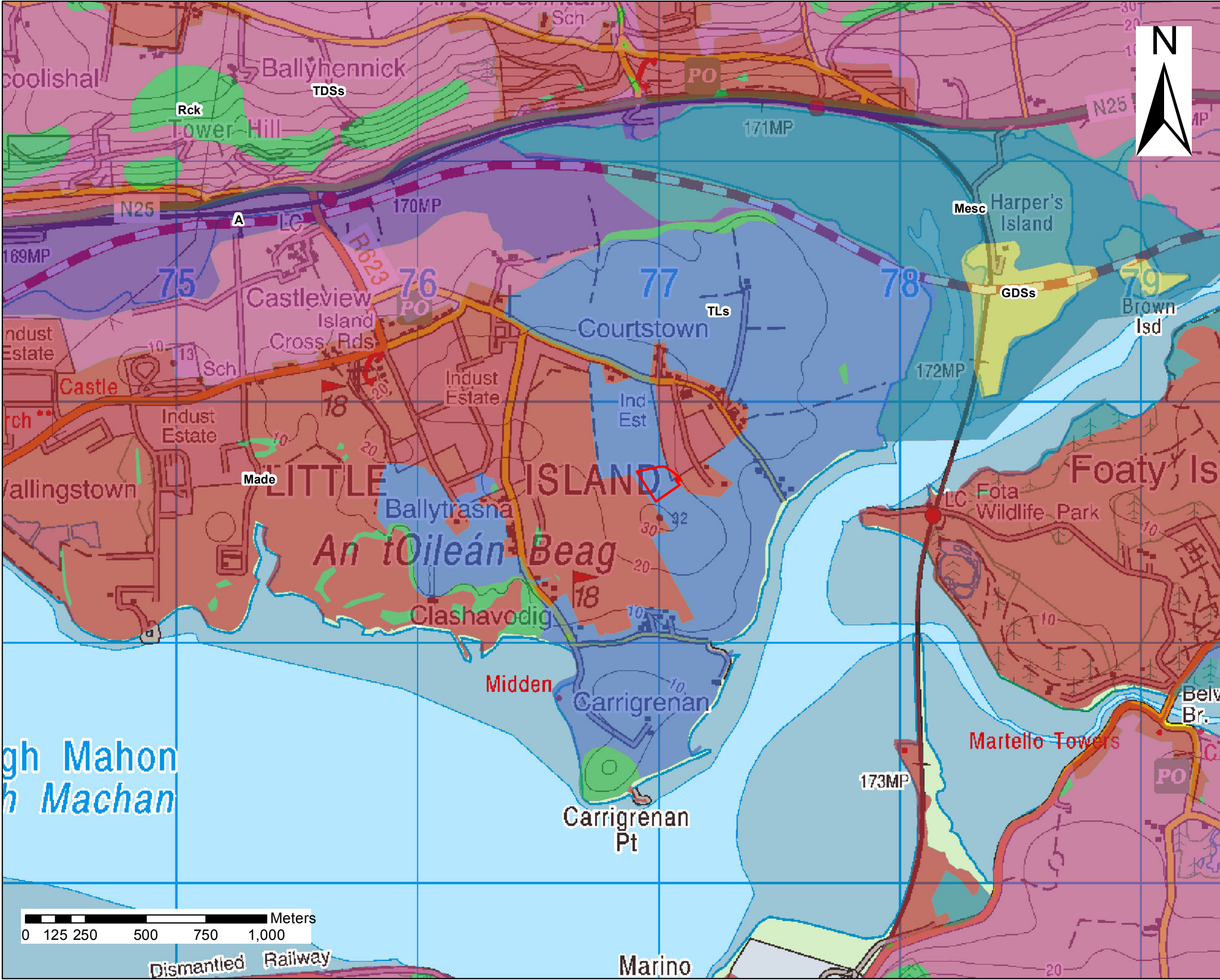
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Title: Soils Classification

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Legend

Subsoil Classification

Parent Material

- A Alluvium (Undifferentiated)
- GDSs Sandstone Sands & Gravels (Devonian)
- Made Made ground
- Mesc Estuarine Sediments (silts/clays)
- Rck Bedrock at surface
- TDSs Sandstone Till (Devonian)
- TLs Limestone Till (Carboniferous)
- Proposed Site Boundary



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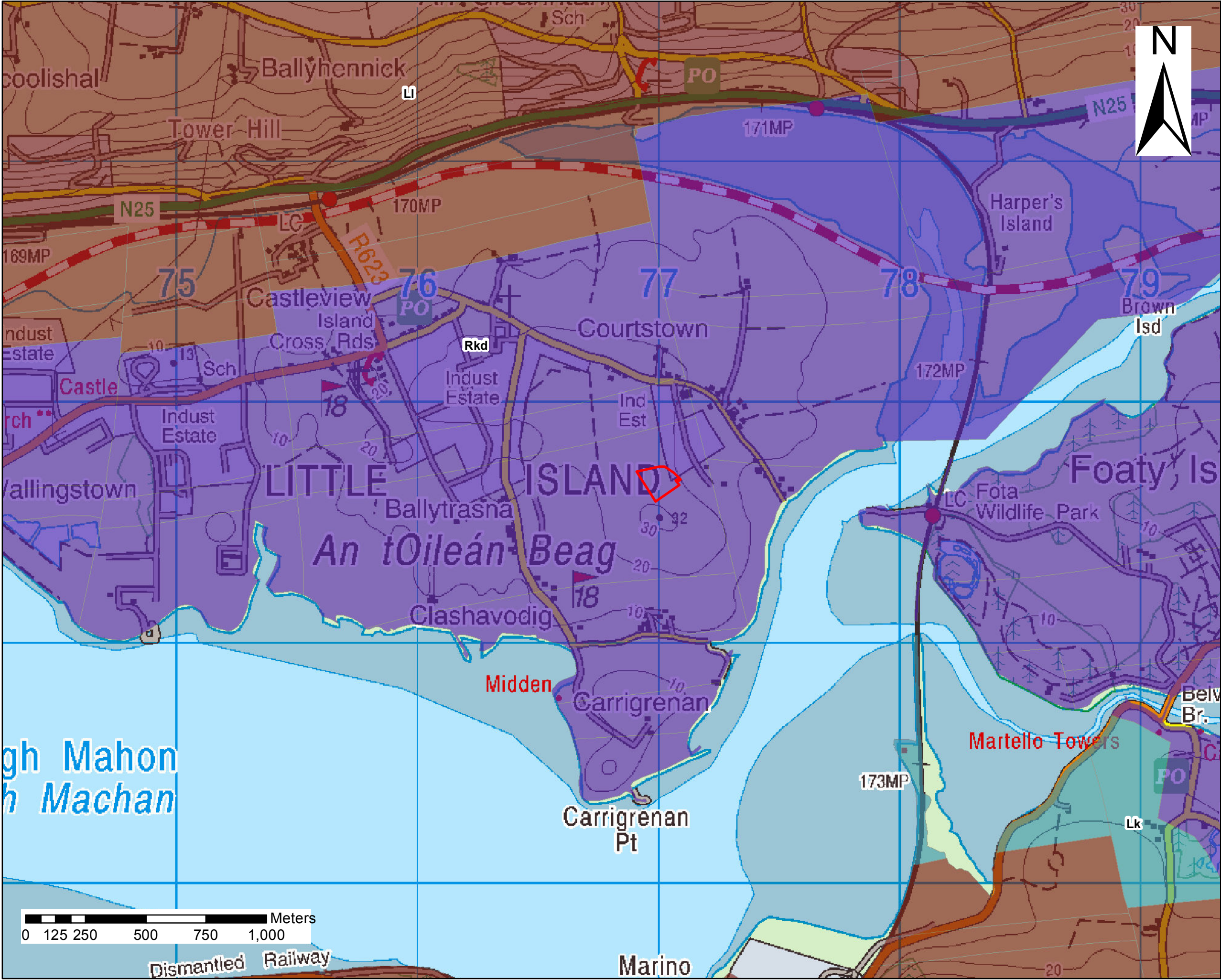
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Legend

Aquifer Classification

Lk

LI

Rkd

Proposed Site Boundary

Lk - locally important aquifer karstified
LI - locally important aquifer bedrock which is moderately productive only in Local zones
Rkd - Regionally Important Aquifer Karstified (diffuse)



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Title: Aquifer Classification

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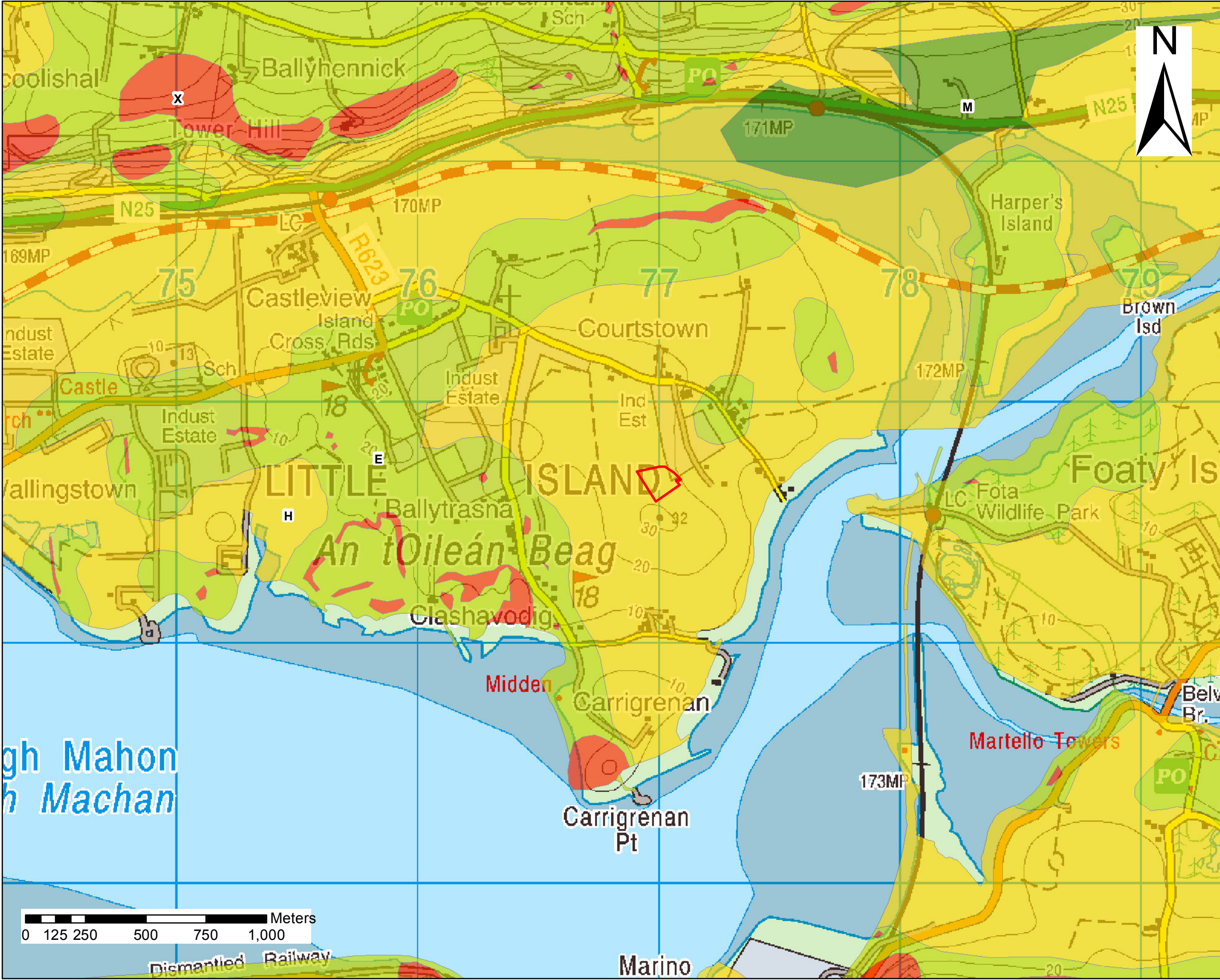
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Legend

Aquifer Vulnerability

- L, Low
- M, Moderate
- E, Extreme
- H, High
- X, E(Rock_near_surface/Karst)
- X, Rock at or near Surface or Karst
- Proposed Site Boundary



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Title: Aquifer Vulnerability

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Legend

- Proposed Site Boundary
- Geological Heritage Site (200m buffer)

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Title: Geological Heritage	
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Legend

- Hydrological Network
- Transitional Waters
- Lakes
- Proposed Site Boundary



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Client: Ray Keane & Associates

Project: Waste Transfer Facility - Little Island

Title: Regional Hydrology

Scale: 1:30,000 @ A3 Paper Size

Ref: Figure 7.1

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Figure 8.1

**Little Island Waste
Recycling and Transfer
Station**



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Baldonnell Business Park,
Naas Rd, Dublin 22, Ireland
P: 01-690-9790 W: oes.ie

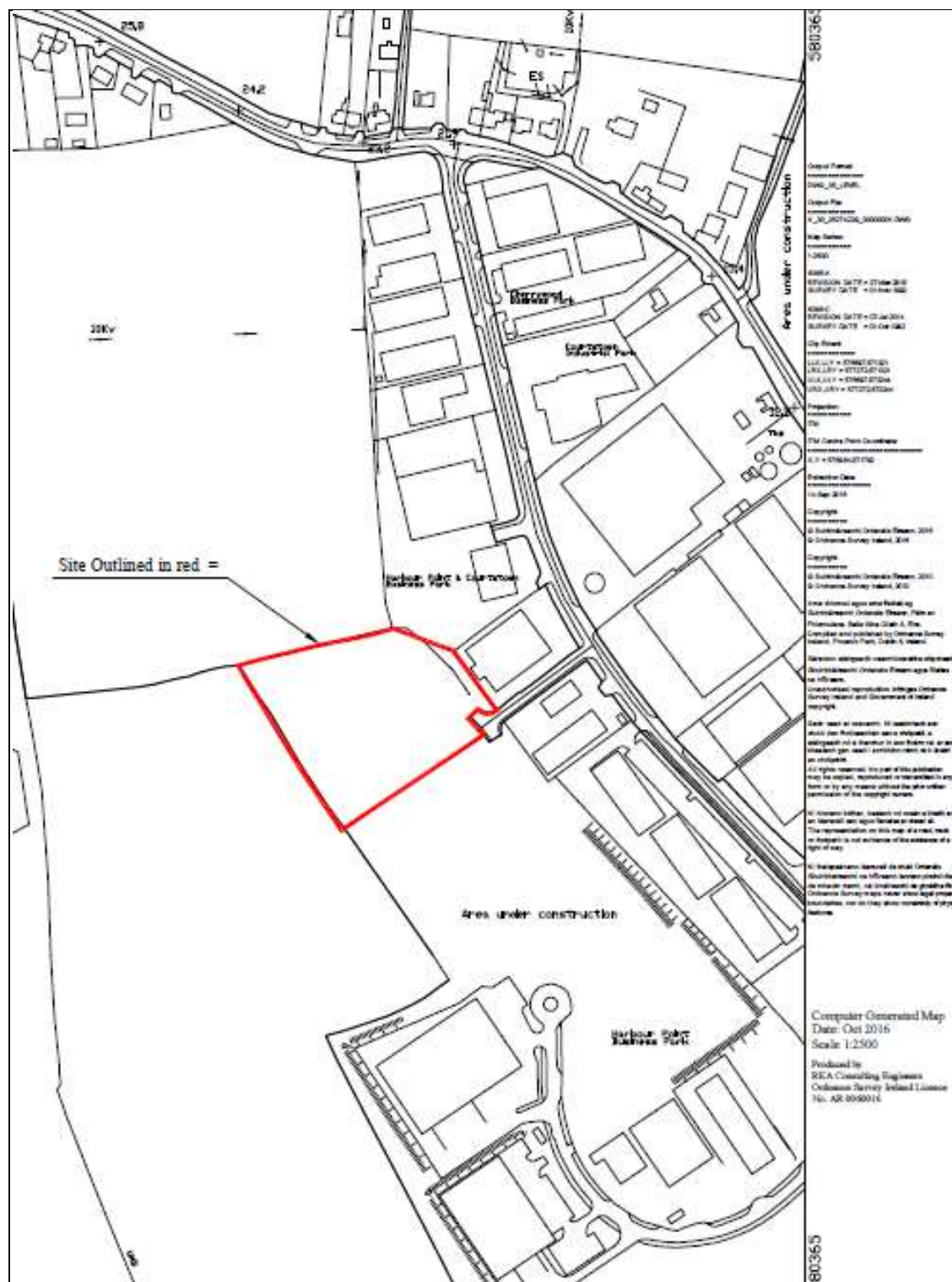


Figure 10.1. Site Location outlined red

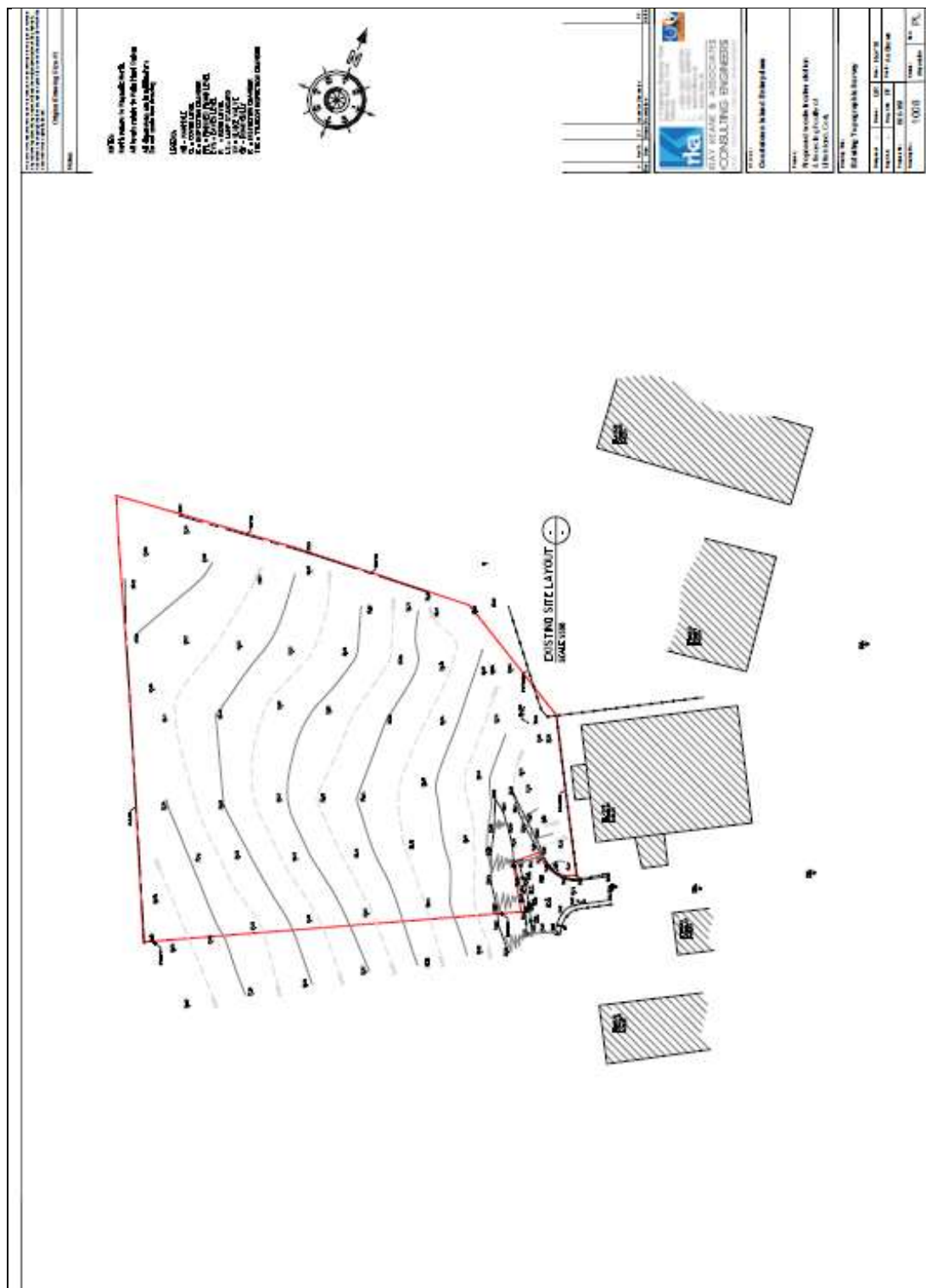
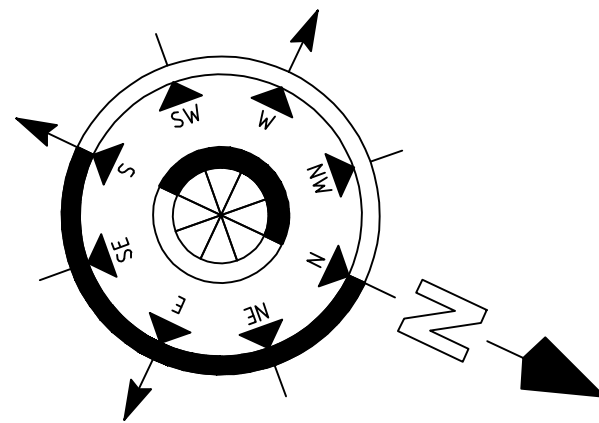


Figure 10.2. Existing site layout, site boundary outlined red

Notes

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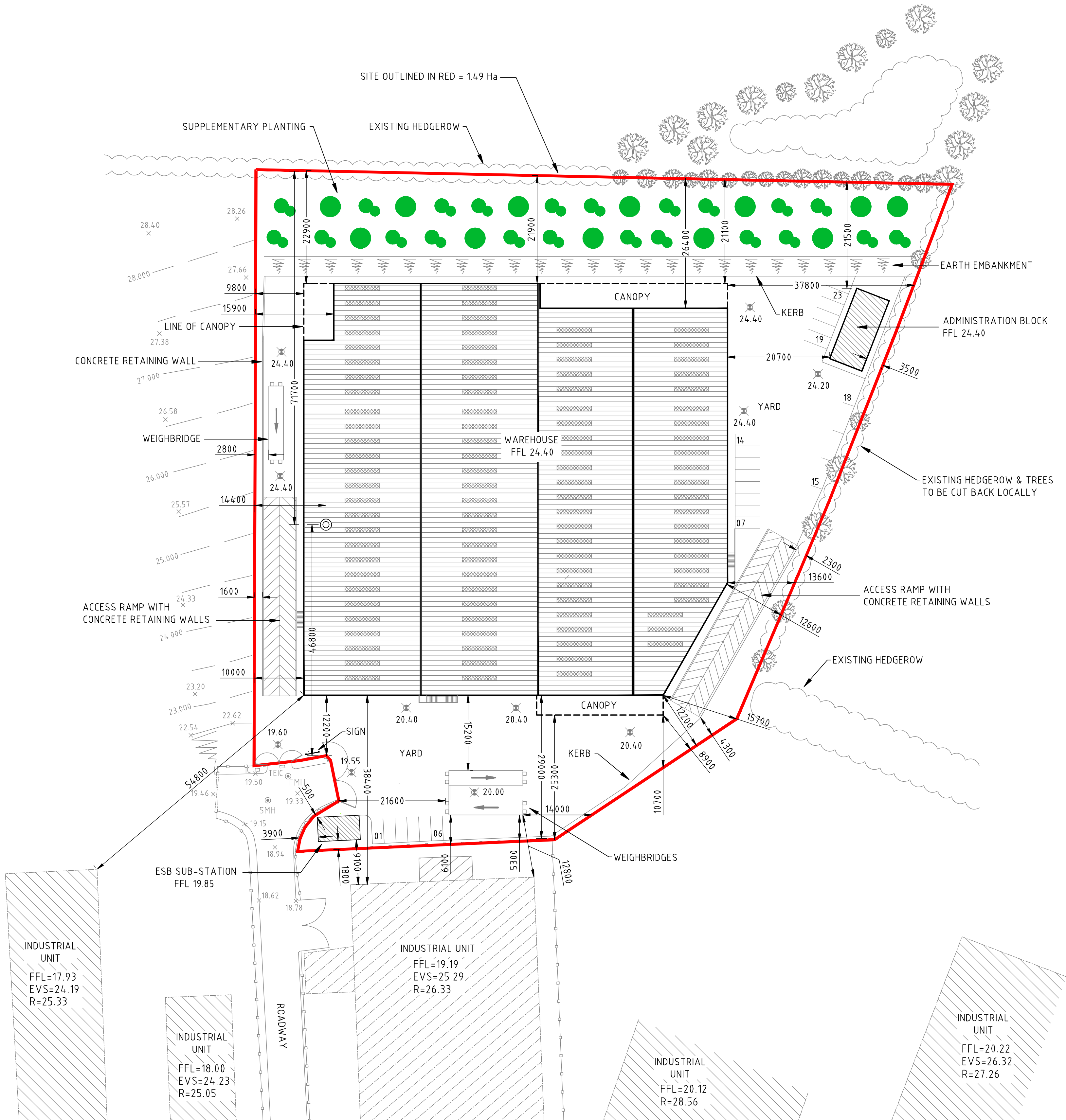
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LEGEND:


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CL = COVER LEVEL
IC = INSPECTION CHAMBER
FFL = FINISHED FLOOR LEVEL
EVS = EAVES LEVEL
R = RIDGE LEVEL
LS = LAMP STANDARD
SV = SLUICE VALVE
GY = ROAD GULLY
IC = INSPECTION CHAMBER
TEIC = TELECOM INSPECTION CHAMBER




PROPOSED SITE LAYOUT
SCALE 1:500

Figure 10.3 - Proposed Site Plan

PL	Nov '18	M.E.	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'd



2 Clogheen Business Park,
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Ireland.
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E: admin@rka.ie
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RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:
Country Clean

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title:
Proposed Site Layout

Designed: P.F.	Drawn: M.E.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:500 @ A1
Project No: 0600-168		
Drawing No: 1001	Status: Planning	Rev: PL



Figure 10.5. Site and Monuments map; the red box indicates the location of the proposed site in relation to the known Recorded Monuments (red dots) in the area and buildings of Architectural merit (NIAH, blue dots)



Figure 10.6. Site location indicated outlined red. The red dot indicates the location of RMP CO075-025, *castle* the closest Recorded Monument to the site under review, no surface trace of this monument survives today

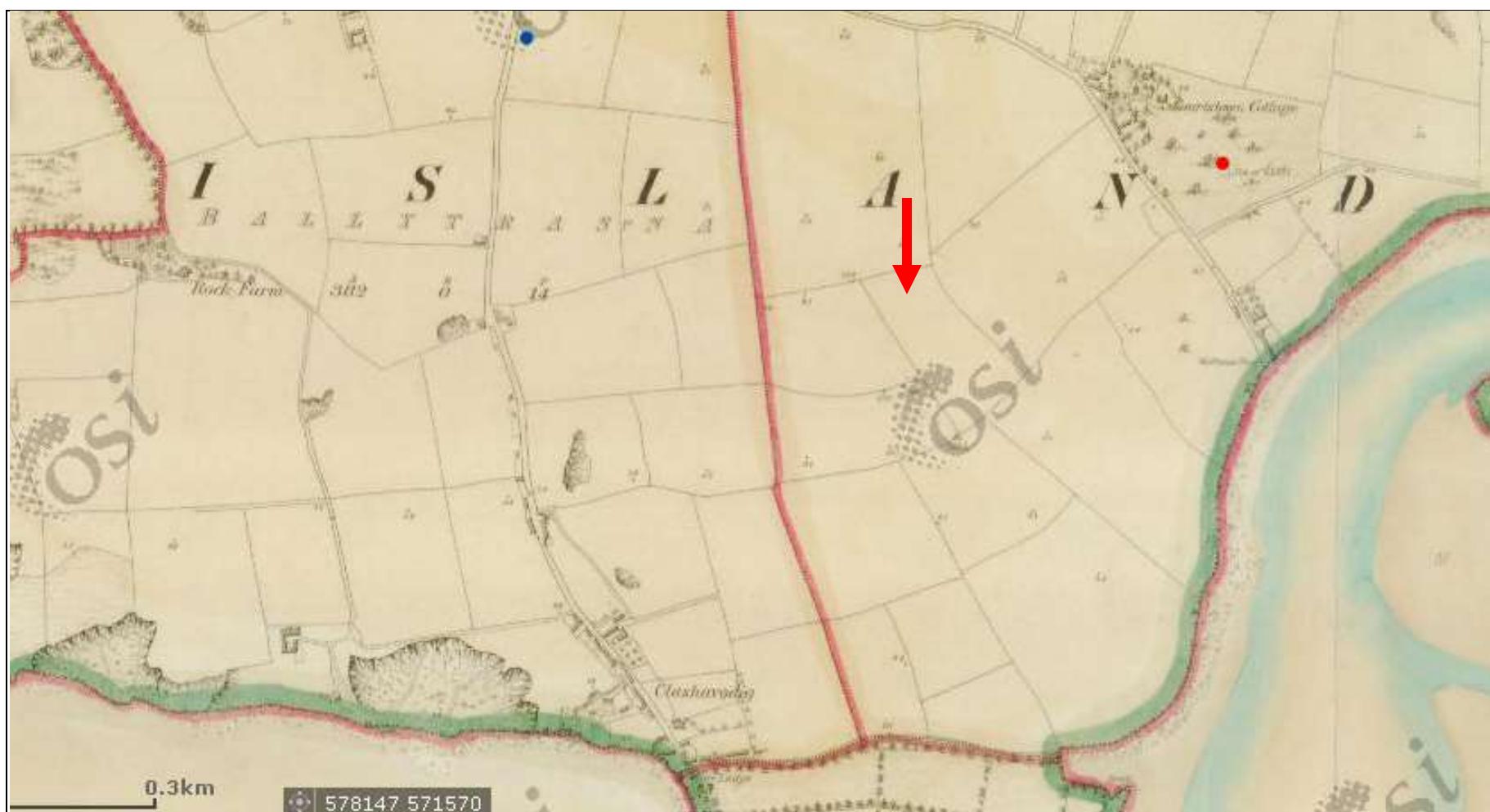
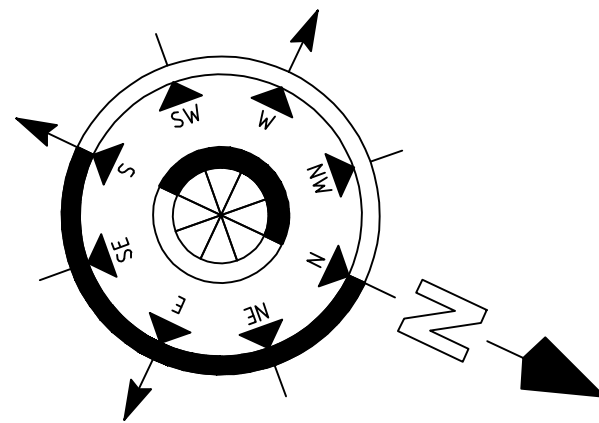


Figure 10.7. First edition of the OS Map (1829-41), location of site indicated with red arrow

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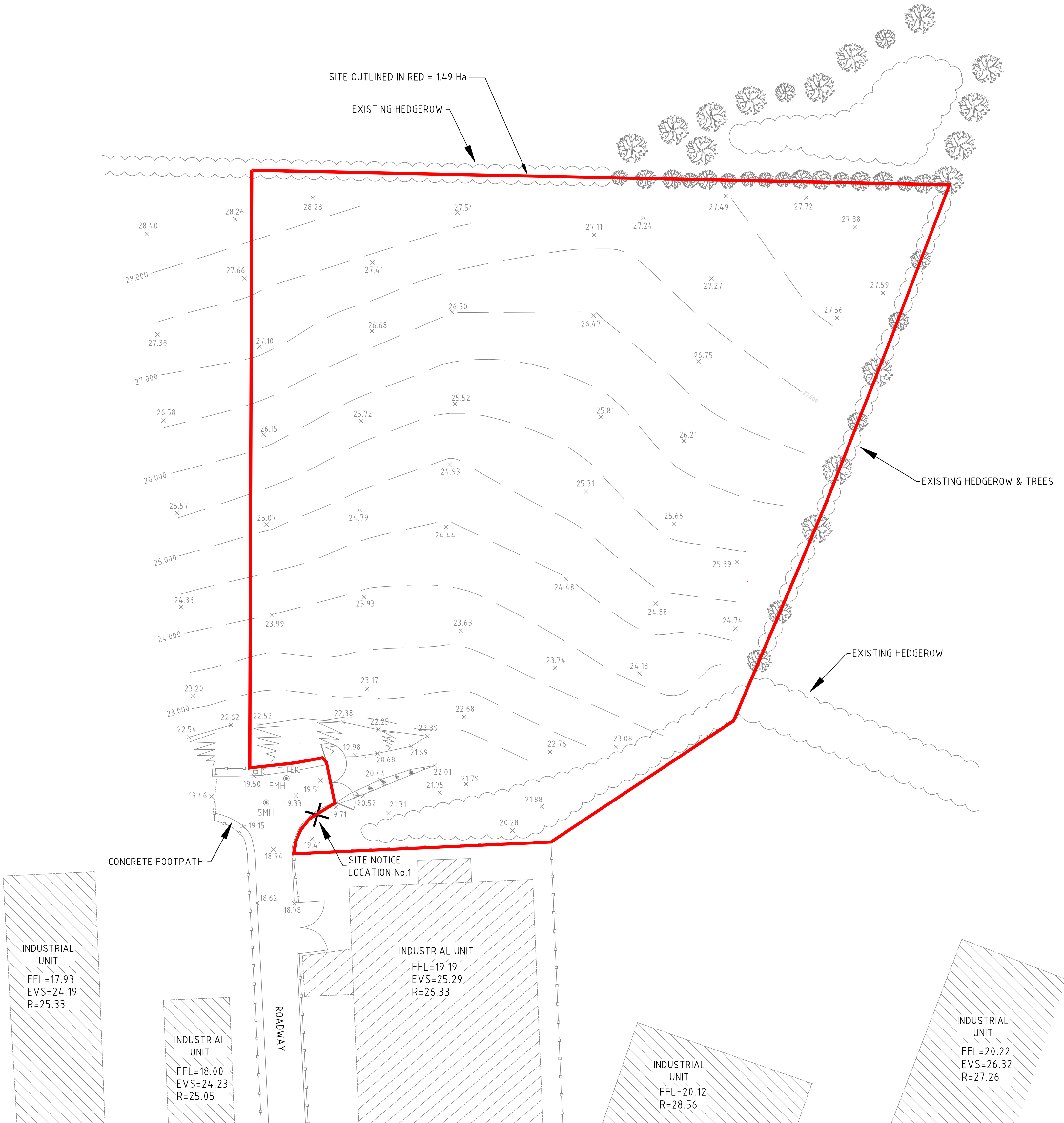
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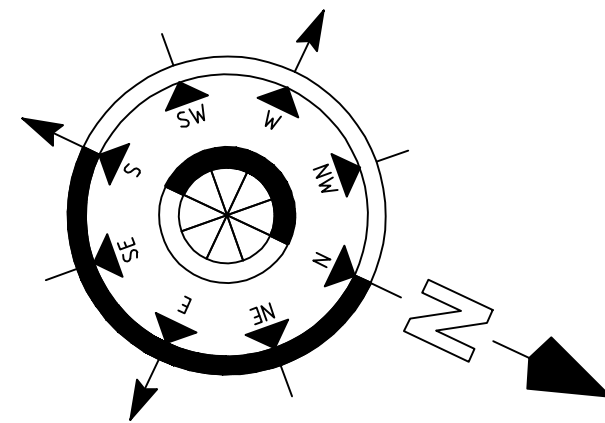


EXISTING SITE SURVEY
SCALE 1:500

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Client: Country Clean				
Project: Proposed Construction of Waste Transfer and Recycling Station At Courtstown, Little Island, Co.Cork.				
Drawing Title: Existing Site Survey				
Designed:	P.F.	Drawn:	M.E.	Date: Nov 2018
Eng Chk:	P.F.	Dwg. Chk:	P.F.	Scale: 1:500 @ A1
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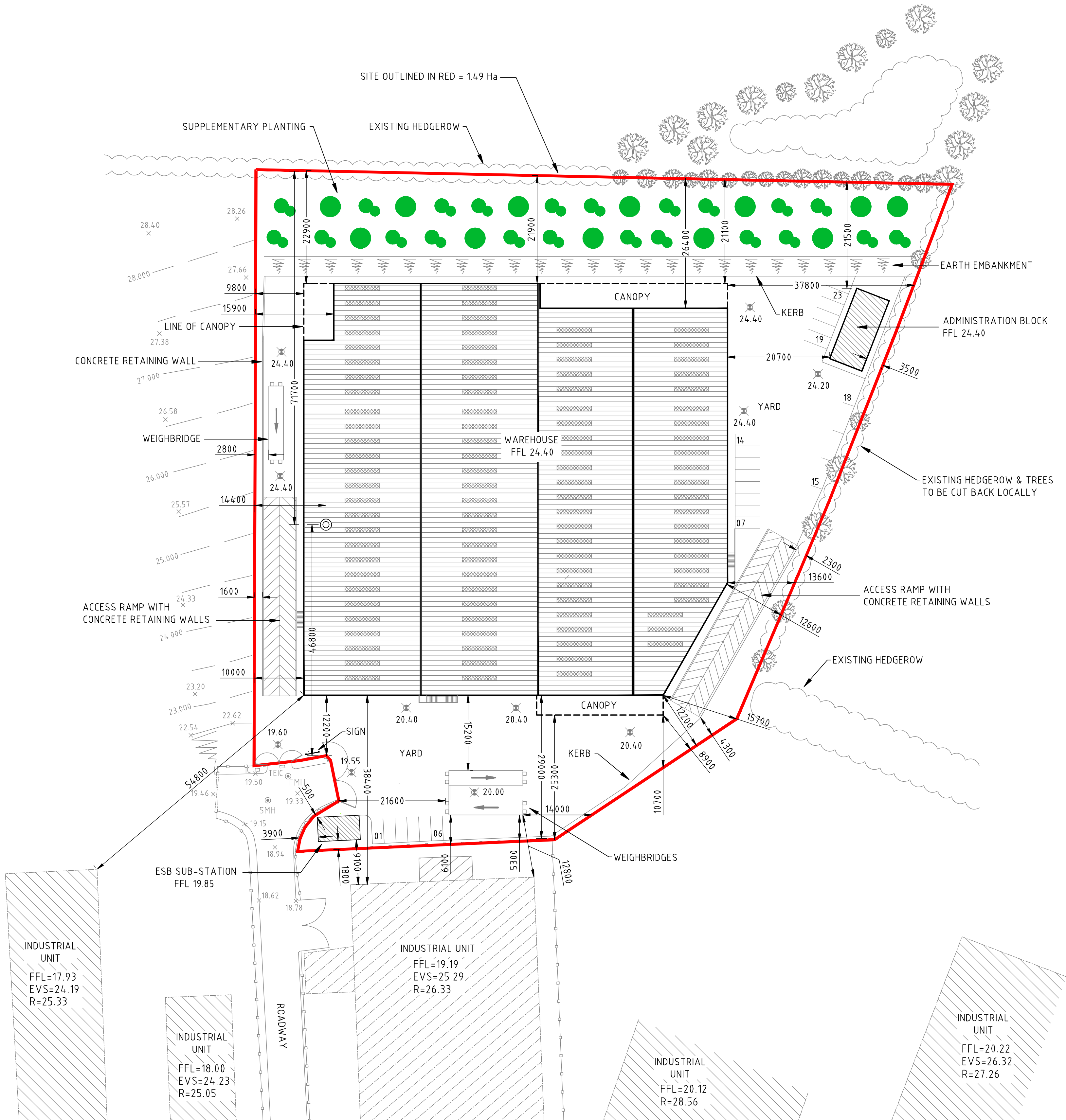
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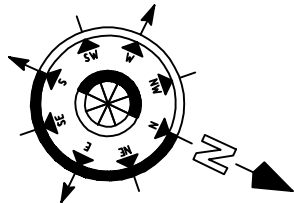


PROPOSED SITE LAYOUT
SCALE 1:500

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Project: Proposed Construction of Waste Transfer and Recycling Station At Courtstown, Little Island, Co.Cork.				
Drawing Title: Proposed Site Layout				
Designed:	P.F.	Drawn:	M.E.	Date: Nov 2018
Eng Chk:	P.F.	Dwg. Chk:	P.F.	Scale: 1:500 @ A1
Project No:	0600-168			
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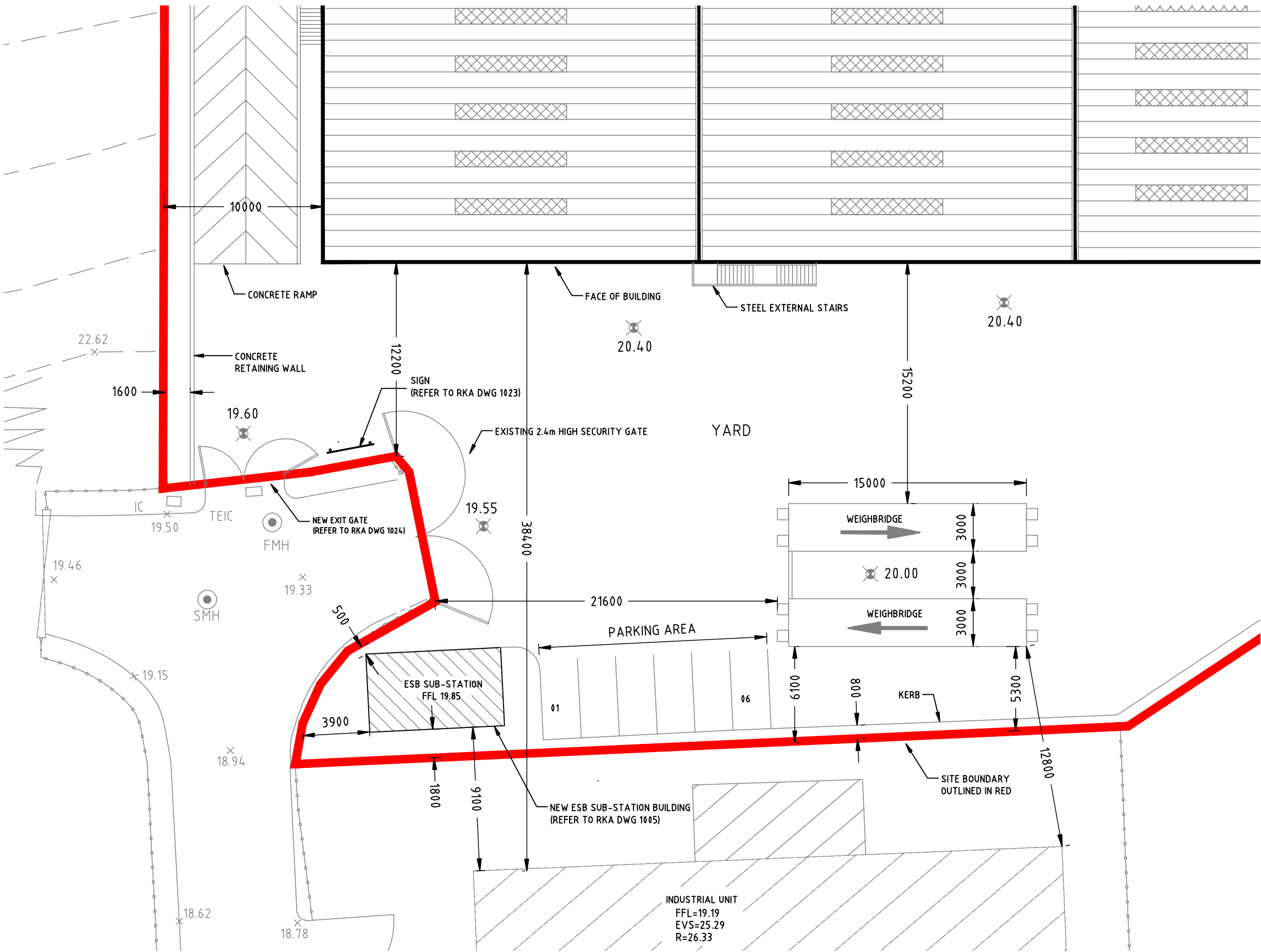
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Client:
JOHN GARDE

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Eng. Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:250 @ A3		
Project No: 0600-108		Status: Planning		
Drawing No: 1002				
		Rev: PL		



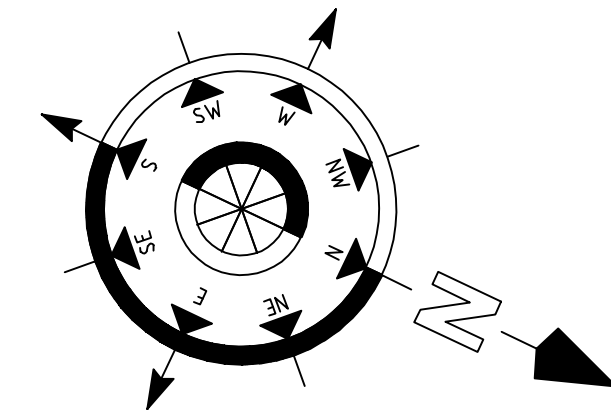
PROPOSED LOCALISED SITE LAYOUT
SCALE 1:250

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NOTES:

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All levels relate to Malin Head Datum.

All dimensions are in millimeters
Do not scale from drawing

LEGEND:

SITE OUTLINED IN RED	
NEW 100mm Ø CEMENT LINED DUCTILE IRON WATERMAIN	
EXISTING PUBLIC WATERMAIN	
NEW FIRE HYDRANT	
NEW SLUICE VALVE	
NEW WATER METER	



PROPOSED WATERMAIN LAYOUT
SCALE 1:500

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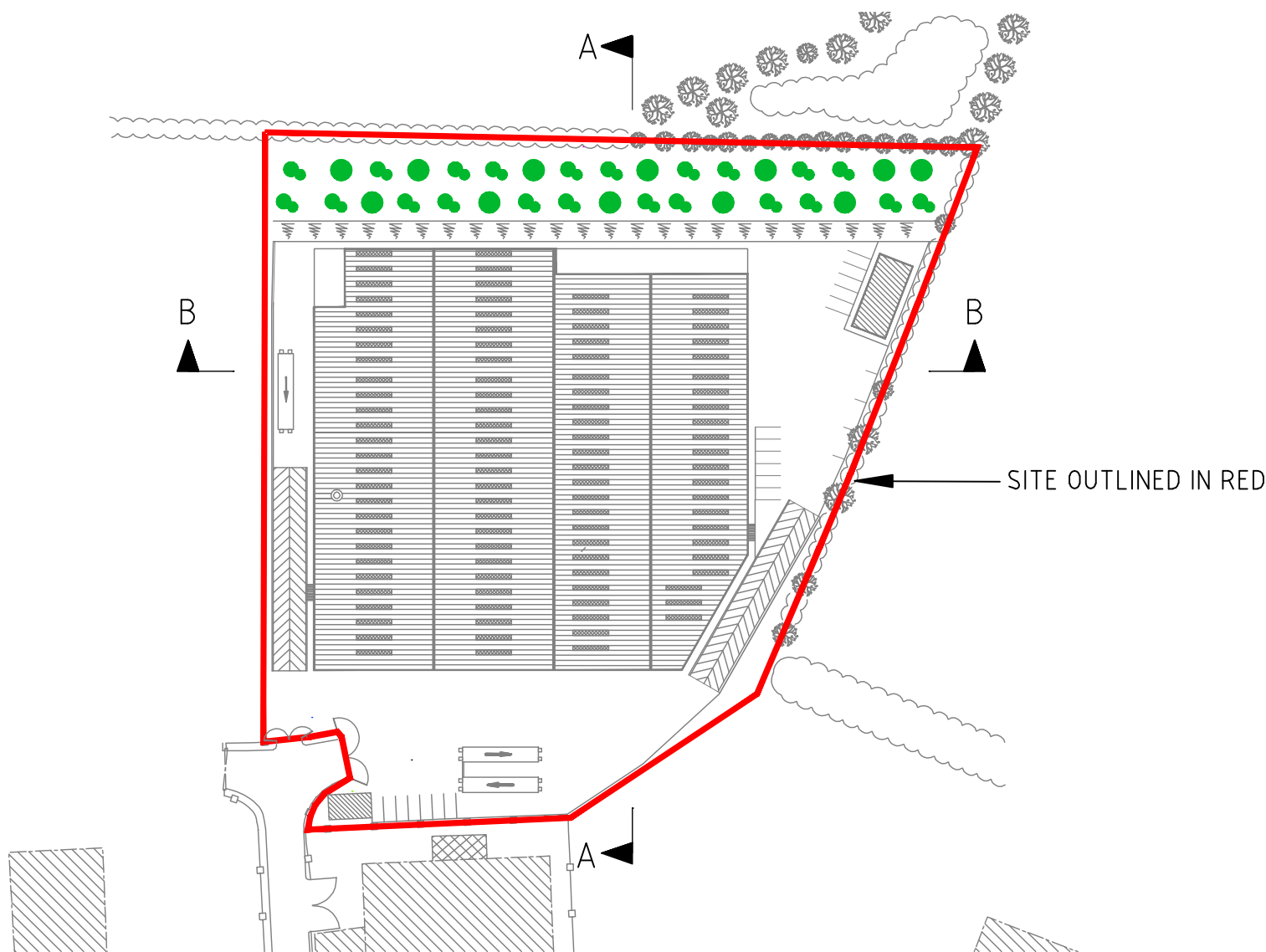
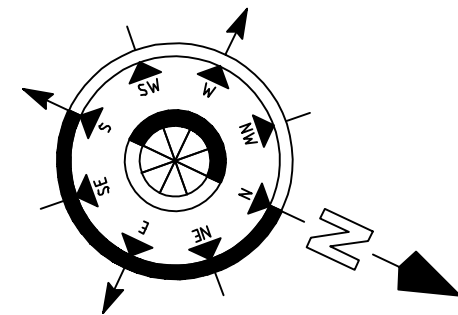
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Drawing Title:
Proposed Watermain Layout

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Project No: 0600-168		
Drawing No: 1003	Status: Planning	Rev: PL

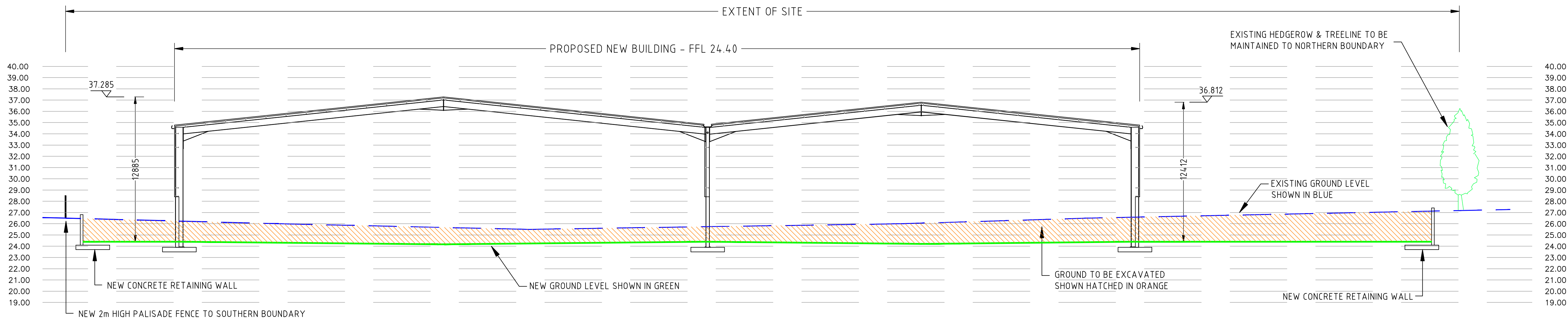
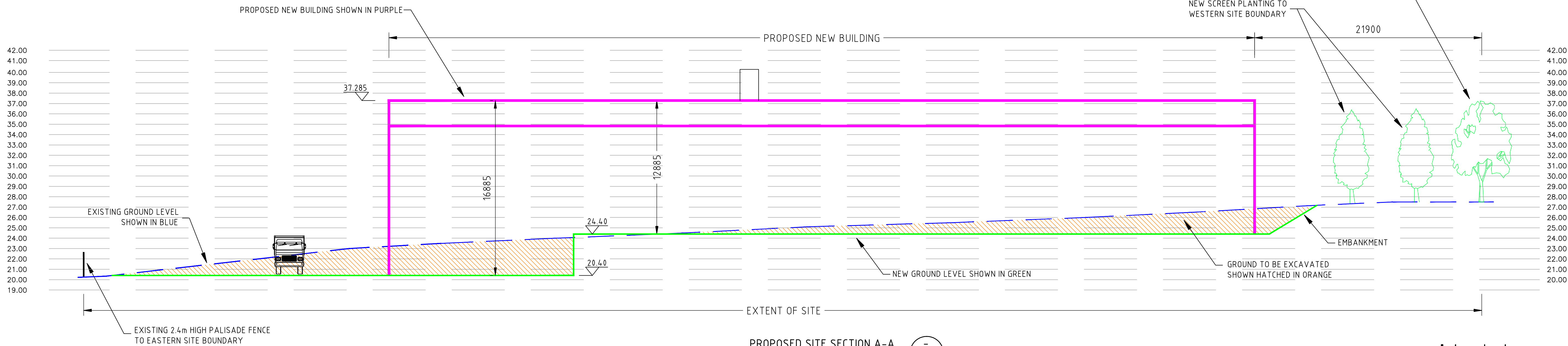
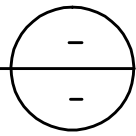
Notes

1. This drawing is to be read in conjunction with all relevant engineers and architects drawings and specifications.
2. Do not scale drawings. Use figured dimensions only. All dimensions to be checked on site.
3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.



KEY PLAN

NOT TO SCALE



PL	Nov '18	ME	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'd



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CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:

Country Clean

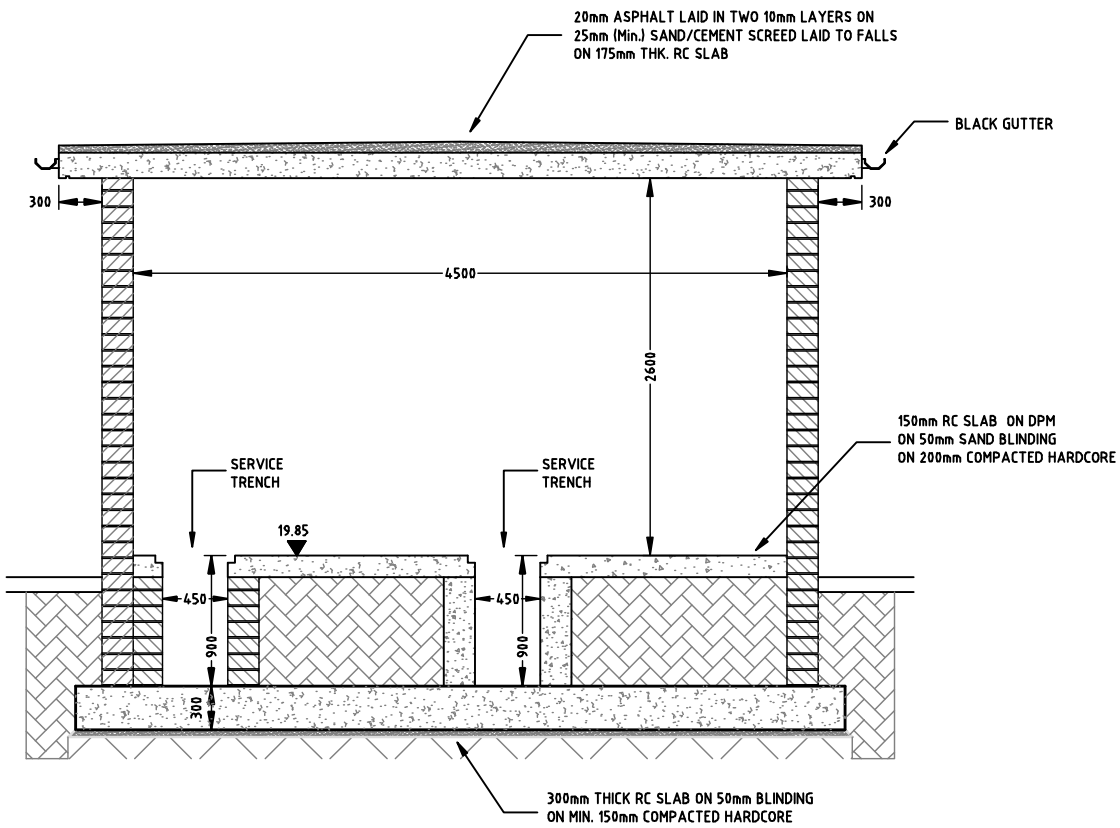
Project:

Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

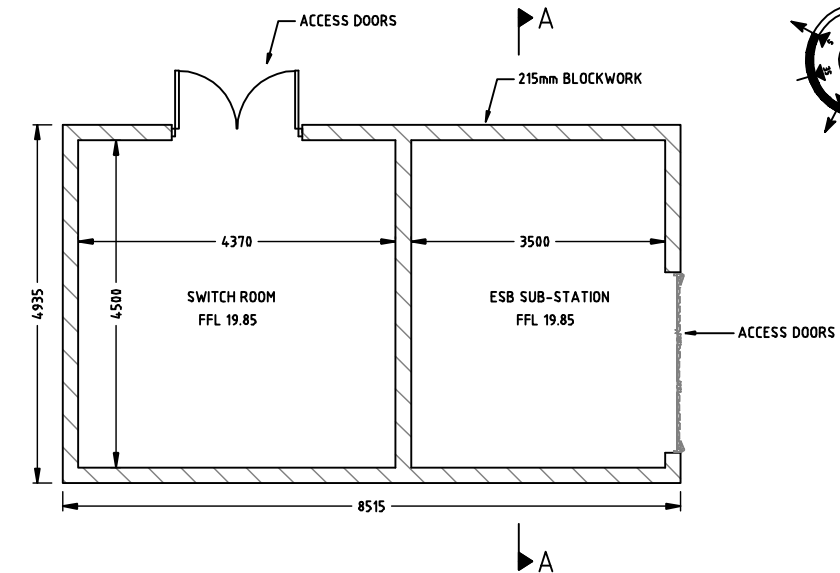
Drawing Title:

Proposed Site Sections

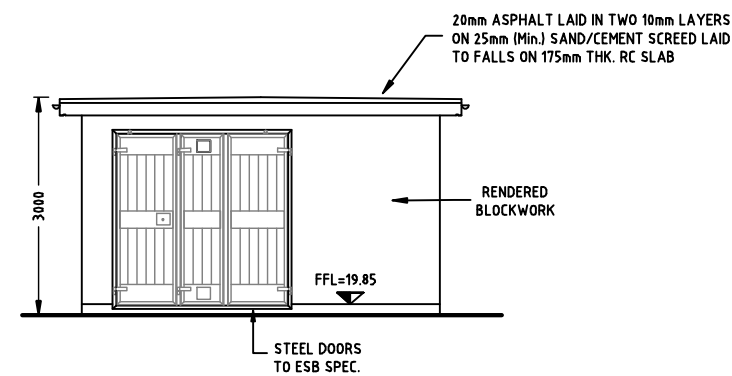
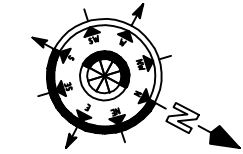
Designed: P.F.	Drawn: M.E.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:200 @ A1
Project No: 0600-168		
Drawing No: 1004	Status: Planning	Rev: PL



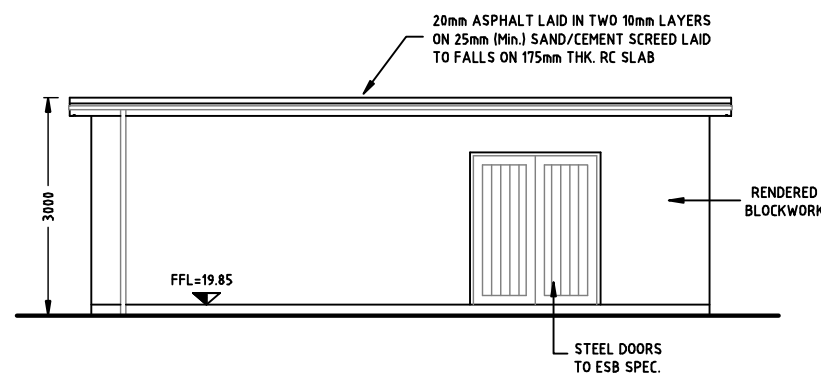
PROPOSED BUILDING SECTION A-A
SCALE 1:50



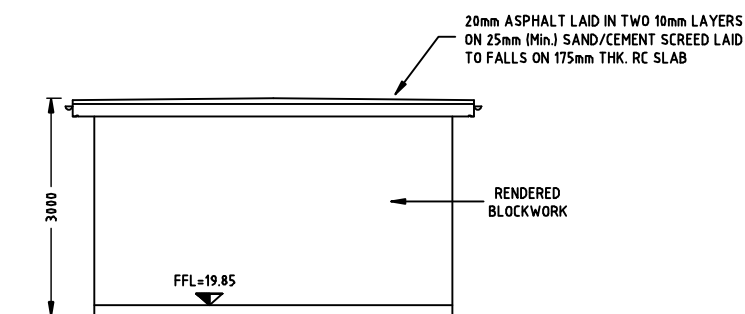
PROPOSED FLOOR PLAN
SCALE 1:100



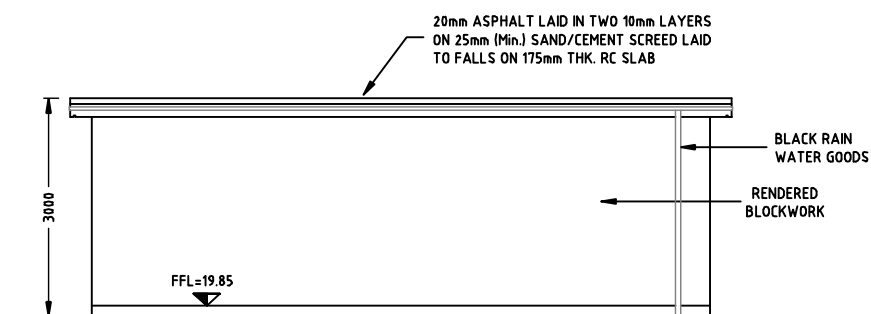
PROPOSED NORTH ELEVATION
SCALE 1:100



PROPOSED WEST ELEVATION
SCALE 1:100



PROPOSED SOUTH ELEVATION
SCALE 1:100



PROPOSED EAST ELEVATION
SCALE 1:100

PL	Rev	Date	Drawn	Description	Issued for Planning	PP
						CHK/UK

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Client:
Country Clean

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

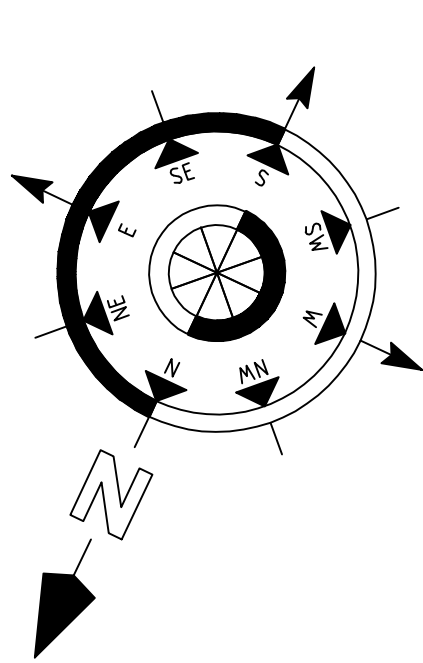
Drawing Title :			
Proposed ESB Sub-Station Building Plans, Elevations & Section			
Designed: P.F.	Drawn: M.E.	Date: Nov 2018	
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: As Shown @ A3	
Project No: 0600-108			
Drawing No: 1005	Status: Planning	Rev: PL	

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Original Drawing Size A1

Notes

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3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.



NOTES:

North refers to Magnetic North.

All levels relate to Malin Head Datum.

All dimensions are in millimeters
Do not scale from drawing

MANHOLE NUMBER	COVER LEVEL	INVERT LEVEL
SMH01	24.30	23.30
SMH02	24.30	22.80
SMH03	24.30	22.38
SMH04	23.60	21.18
SMH05	22.30	21.08/20.50
SMH06	21.00	19.55
SMH07	20.20	19.40
SMH08	24.20	22.15
SMH09	24.20	22.53
SMH10	22.80	21.93/20.93
SMH11	21.20	20.13/19.93
SMH12	20.30	19.33
SMH13	20.30	19.18
SMH14	20.10	19.28
SMH15	20.30	19.08
SMH16	20.10	18.65
SMH17	19.70	18.73
SMH18	20.00	18.55
SMH20	19.80	18.40

NOTE:
ALL MANHOLES AND PIPE BEDDING
TO IRISH WATER DETAILS.

PL Order Date	ME Drawing Description	PR CHRG
Nov-78	Issued for Planning	



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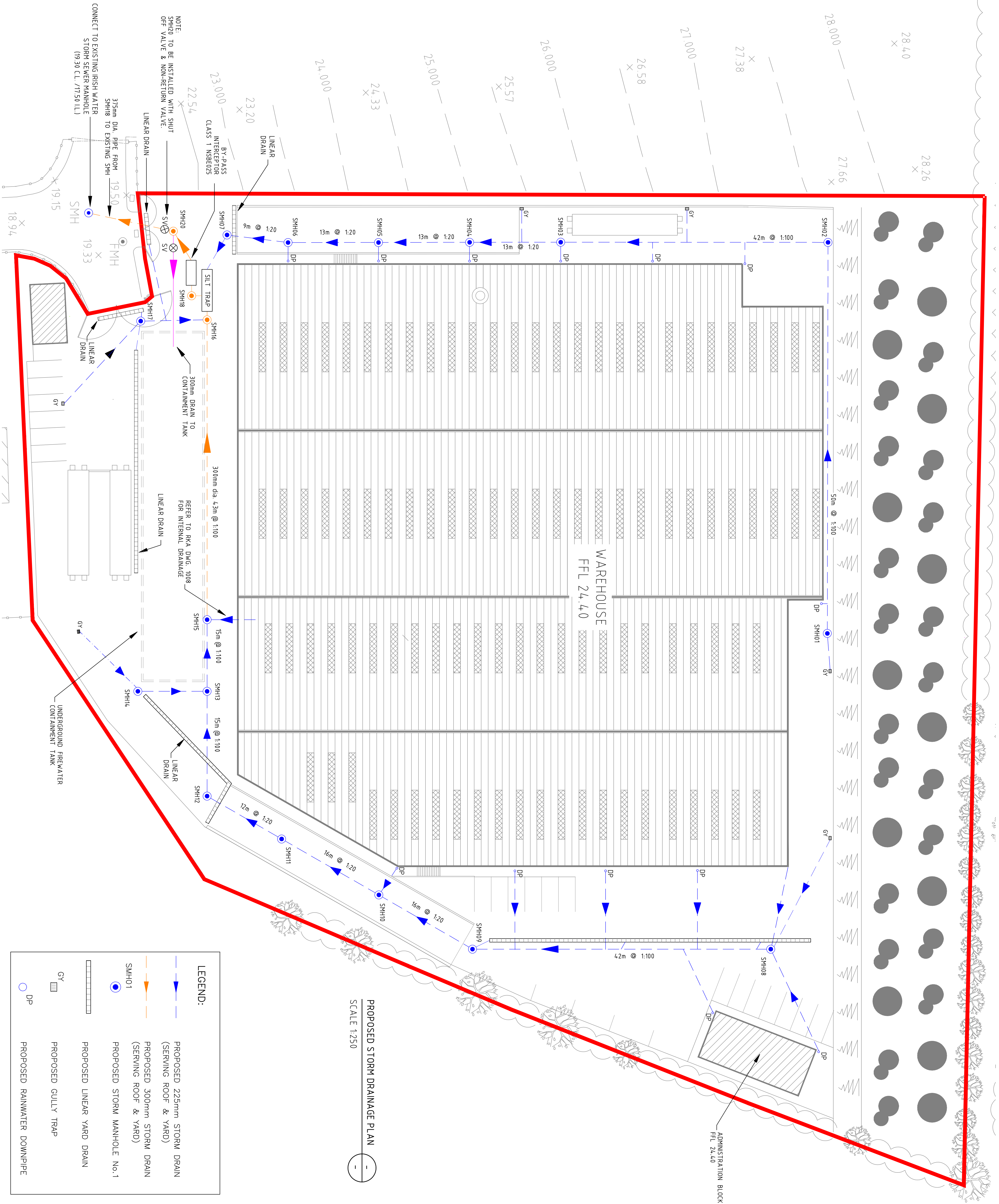
Country Clean

Project:

**Proposed Construction of
Waste Transfer and Recycling Station
At Courstown, Little Island, Co.Cork.**

Drawing Title:

Proposed Storm Drainage Layout			
Designed:	P.F.	Drawn:	M.E.
Eng. Chk:	P.F.	Dwg. Chk:	P.F.
Project, No:	0900-168		Date:
Draining No:	1006	Station:	1+250 @ A1 1+500 @ A3
		Station:	Planning
		Year:	PL



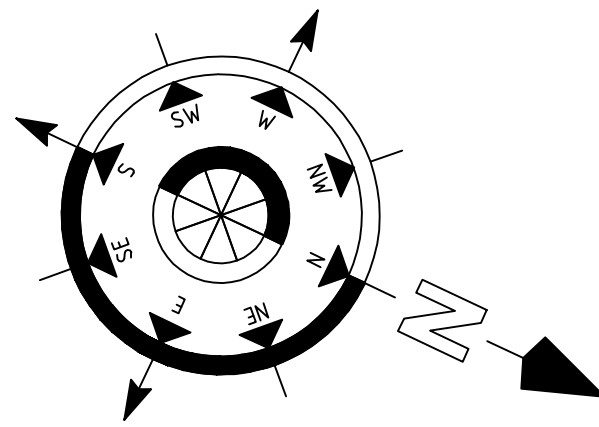


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Original Drawing Size A1

Notes

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NOTES:

North refers to Magnetic North.
All levels relate to Malin Head Datum.
All dimensions are in millimetres
Do not scale fom drawing

MANHOLE NUMBER	COVER LEVEL	INVERT LEVEL
FMH01	24.20	23.20
FMH02	24.20	22.85
FMH03	22.80	22.05/21.05
FMH04	21.20	20.25/20.05
FMH05	20.10	19.35
FMH06	20.10	19.23/19.03
FMH07	19.60	18.45
FMH08	20.30	19.30
FMH09	20.30	19.15

NOTE:
ALL MANHOLES AND PIPE BEDDING TO IRISH WATER DETAILS.

PL

Nov'18

ME

Issued for Planning

PF

Rev

Date

Drawn

Description

Ch'd

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CONSULTING ENGINEERS

CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:

Country Clean

Project:

Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

Drawing Title:

Proposed Foul Drainage Layout

Designed: P.F.

Drawn: M.E.

Date: Nov 2018

Eng Chk: P.F.

Dwg. Chk: P.F.

Scale: 1:250 @ A1

Project. No:

0600-168

1:500 @ A3

Drawing No:

1007

Status: Planning

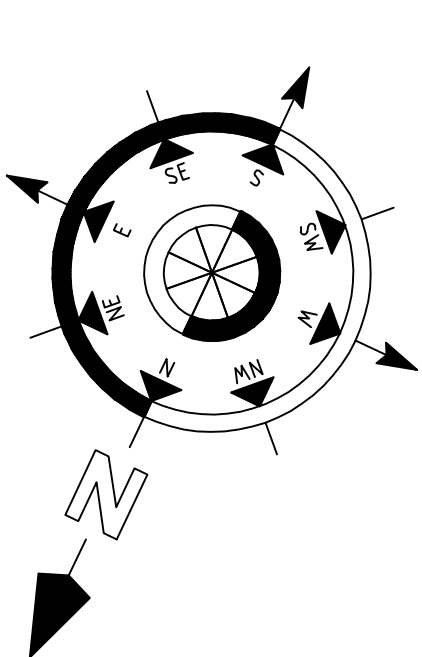
Rev: PL

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Original Drawing Size A1

Notes

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3. All dimensions are in millimetres (mm).
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NOTES:

North refers to Magnetic North.

All levels relate to Malin Head Datum.

All dimensions are in millimeters

Do not scale from drawing


PL Year	Mon., '18 Date	ME Dates	Material for Planning Description	PR Costs
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Country Clean

Project:

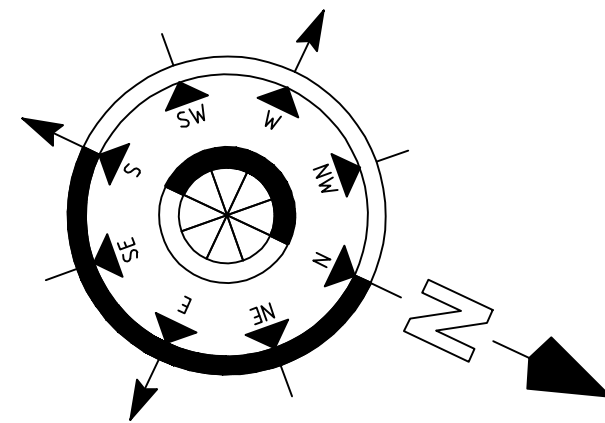
Proposed Construction of Waste Transfer and Recycling Station At Courstown, Little Island, Co.Cork.

Drawing Title:

Drawing Title :			
Proposed Ground Floor Drainage Plan			
Designed:	P. F.	Drawn:	M. E.
Eng. Chk:	P. F.	Eng. Chk:	P. F.
Project No:		Date:	
0600-168		Nov 2017	
Drawing No:	1008	Revision:	1/200 @ A1
		Plumbing	Rev:
			PL

Notes

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2. Do not scale drawings. Use figured dimensions only. All dimensions to be checked on site.
3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.

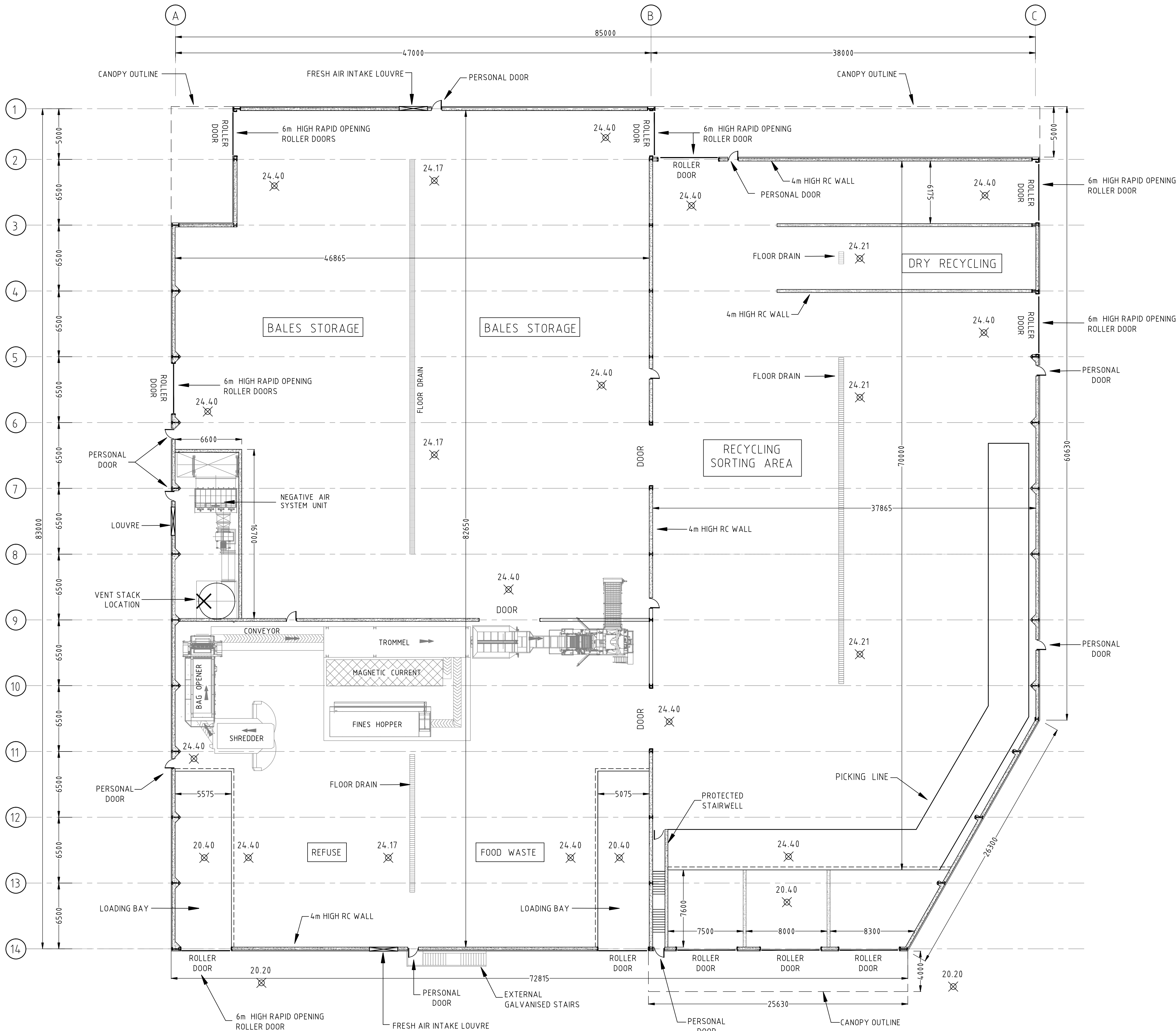


NOTES:

North refers to Magnetic North.

All levels relate to Malin Head Datum.

All dimensions are in millimeters
Do not scale from drawing



PROPOSED GROUND FLOOR PLAN

SCALE 1:200

PL	Nov. '18	ME	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'd



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Client:

Country Clean

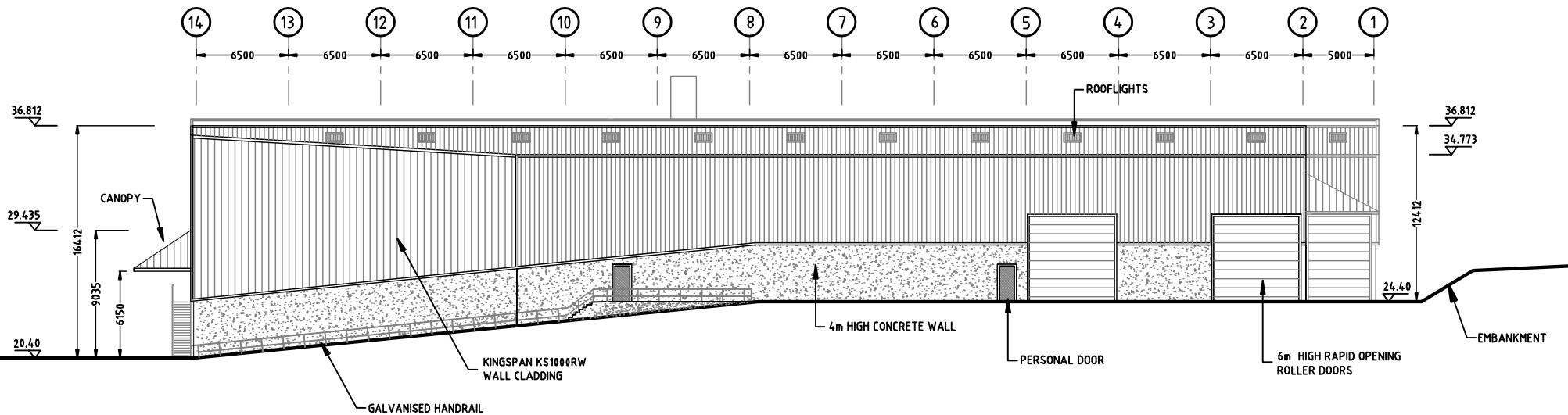
Project:

**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title:

Proposed Ground Floor Plan

Designed: P.F.	Drawn: M.E.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:200 @ A1
Project No: 0600-168		
Drawing No: 1010	Status: Planning	Rev: PL



CLADDING DETAILS

FLASHING NOTES:

DRIP, CORNER & JAMB FLASHINGS TO BE 0.7mm THICK, COATED STEEL.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

GUTTER NOTES:

GUTTER TO BE COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

WALL & ROOF CLADDING NOTES:

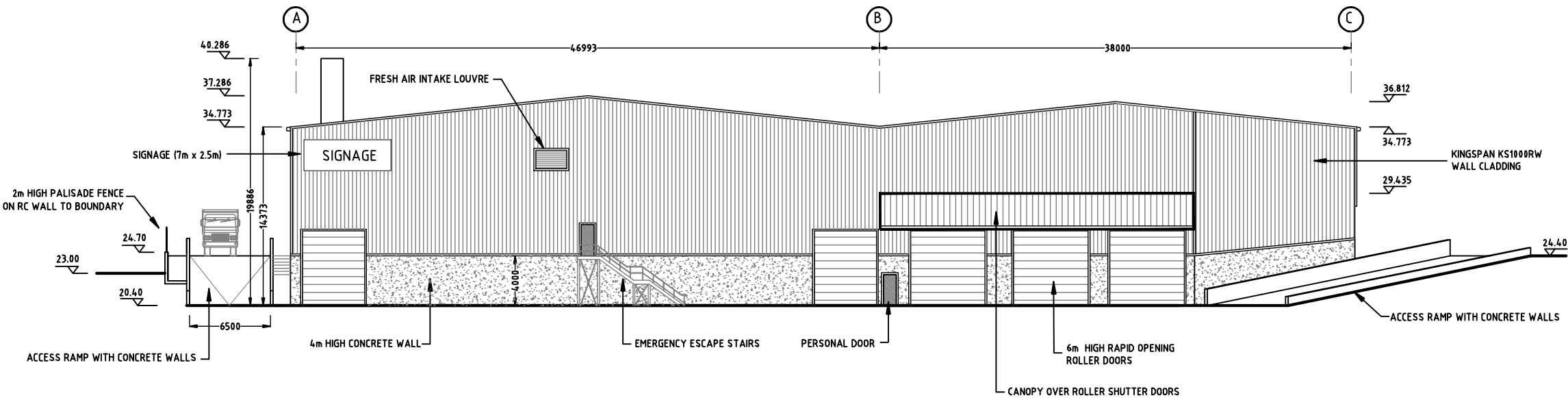
WALL & ROOF CLADDING TO BE KINGSPAN KS1000RW RANGE, WITH 60mm CORE & VERTICALLY LAID.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

ROOF LIGHT NOTES:

ROOF LIGHTS TO ACHIEVE AN AC RATING.

NOTE:

ALL COMPOSITE CLADDING PANELS SHALL BE OF KINGSPAN MANUFACTURE
FROM THE KS RW1000 RANGE GOOSEWING GREY (BS10A05, RAL 080 70 05) COLOUR.
ALL DETAILS OF FLASHINGS, DRIPS & GUTTERS SHALL BE IN ACCORDANCE WITH
APPROVED KINGSPAN DETAILS.



PROPOSED EASTERN ELEVATION

SCALE 1:200

PL	Rev.	Date	Drawn	Checked	Issued for Planning	PP

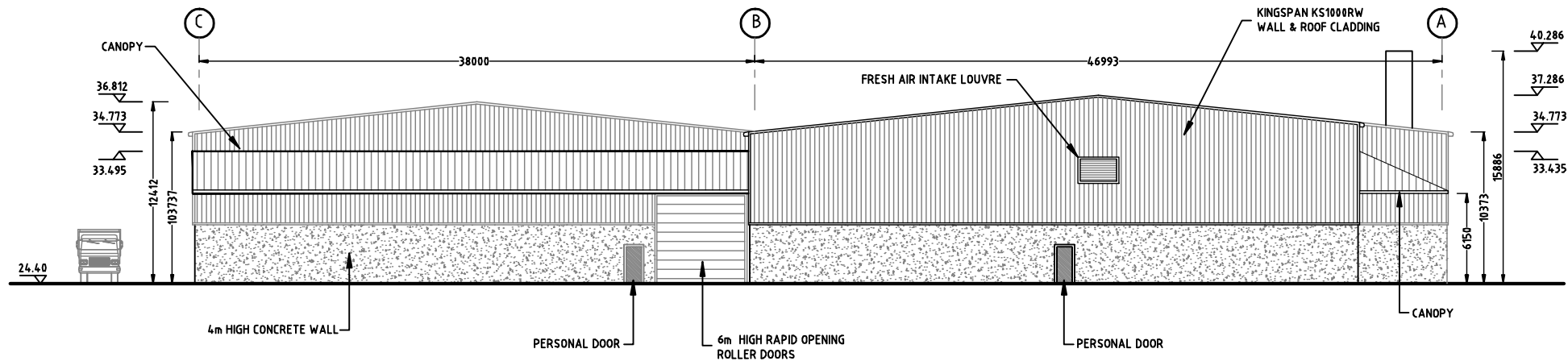
rka	2 Clogheen Business Park, Blarney Road, Cork, Ireland. T: +353 (0)21 4399799 F: +353 (0)21 4399797 E: admin@rka.ie W: www.rka.ie	
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RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:
Country Clean

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title :			
Proposed Warehouse Northern & Eastern Elevations			
Designed: P.F.	Drawn: D.T.	Date: Nov 2018	
Eng. Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:200 @ A1	
Project No: 0600-168			
Drawing No:	1011	Status: Planning	Rev: PL



PROPOSED WESTERN ELEVATION

SCALE 1:200



FLASHING NOTES:

DRIP, CORNER & JAMB FLASHINGS TO BE 0.7mm THICK, COATED STEEL.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

GUTTER NOTES:

GUTTER TO BE COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

WALL & ROOF CLADDING NOTES:

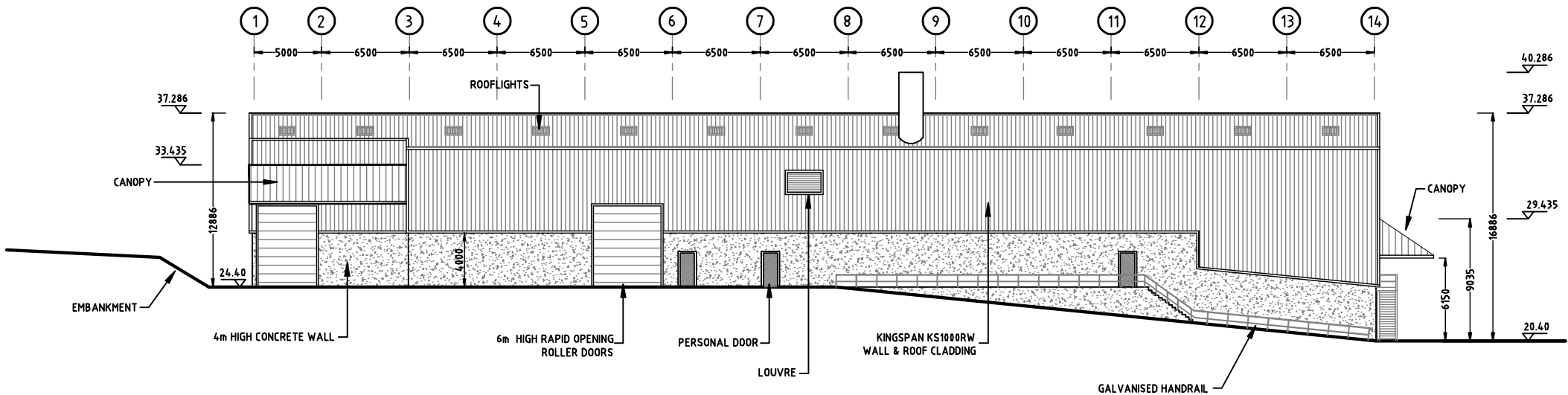
WALL & ROOF CLADDING TO BE KINGSPAN KS1000RW RANGE, WITH 60mm CORE & VERTICALLY LAID.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

ROOF LIGHT NOTES:

ROOF LIGHTS TO ACHIEVE AN AC RATING.

NOTE:

ALL COMPOSITE CLADDING PANELS SHALL BE OF KINGSPAN MANUFACTURE
FROM THE KS RW1000 RANGE GOOSEWING GREY (BS10A05, RAL 080 70 05) COLOUR.
ALL DETAILS OF FLASHINGS, DRIPS & GUTTERS SHALL BE IN ACCORDANCE WITH
APPROVED KINGSPAN DETAILS.



PROPOSED SOUTHERN ELEVATION

SCALE 1:200



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Rev	Date	Drawn	Description	Chk'd

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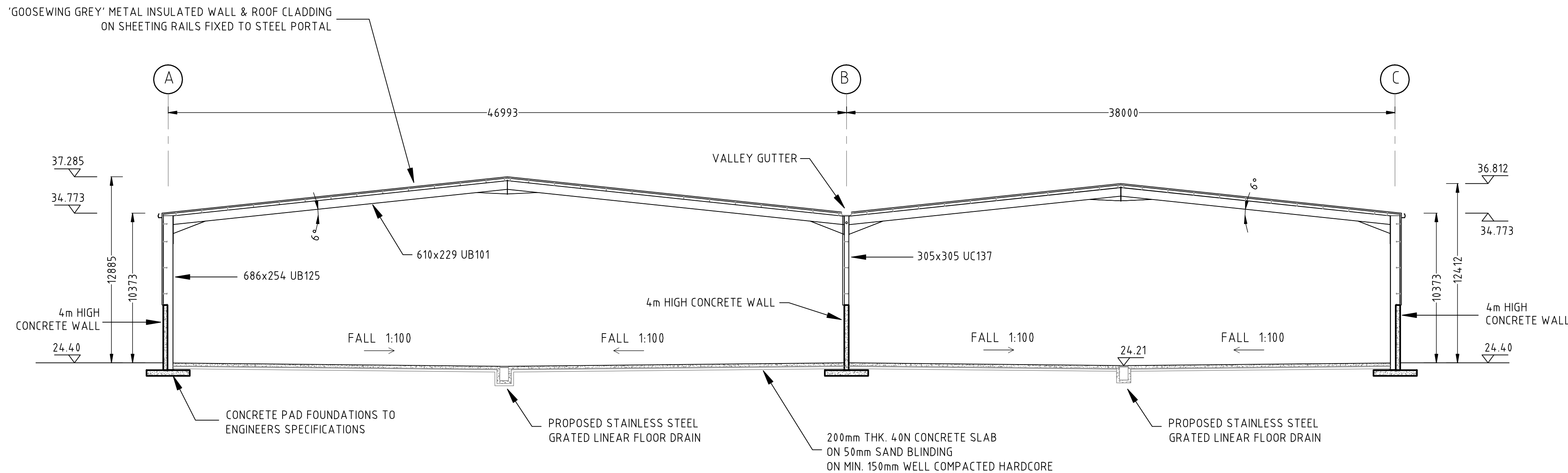
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CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:
Country Clean

Project:
Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

Drawing Title:
Proposed Warehouse
Southern & Western Elevations

Designed: P.F.	Drawn: D.T.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:200 @ A1
Project No: 0600-108	Status: Planning	Rev: PL
Drawing No: 1012		



PROPOSED BUILDING SECTION A-A

SCALE 1:200

CLADDING DETAILS

FLASHING NOTES:

DRIP, CORNER & JAMB FLASHINGS TO BE 0.7mm THICK, COATED STEEL.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

GUTTER NOTES:

GUTTER TO BE COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

WALL & ROOF CLADDING NOTES:

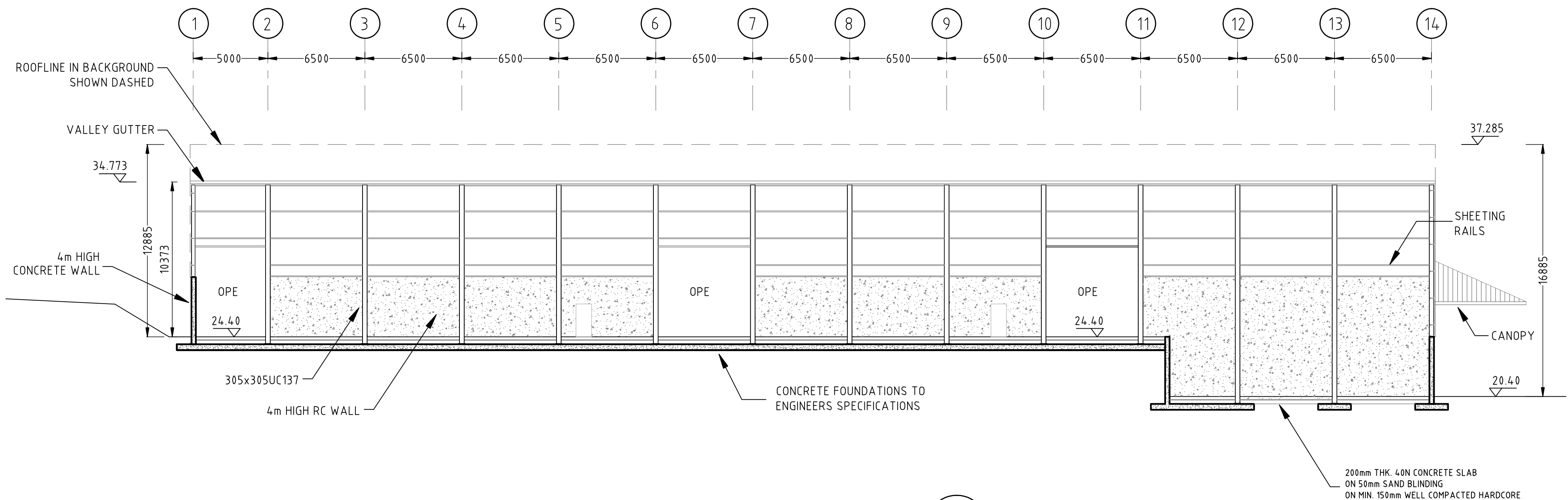
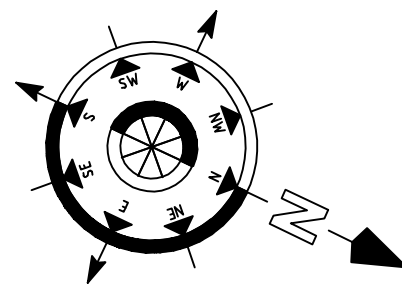
WALL & ROOF CLADDING TO BE KINGSPAN KS1000RW RANGE, WITH 60mm CORE & VERTICALLY LAID.
COLOUR : GOOSEWING GREY (BS10A05, RAL 080 70 05)

ROOF LIGHT NOTES:

ROOF LIGHTS TO ACHIEVE AN AC RATING.

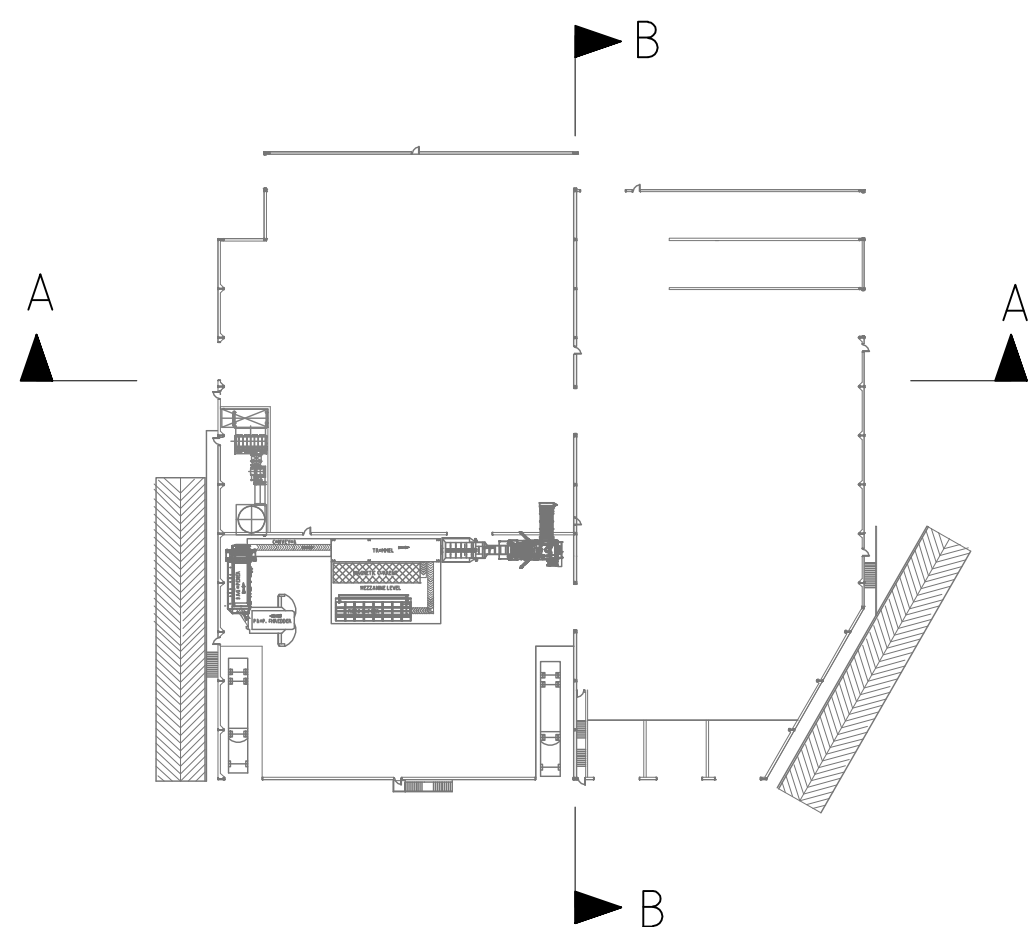
NOTE:

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ALL DETAILS OF FLASHINGS, DRIPS & GUTTERS SHALL BE IN ACCORDANCE WITH
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PROPOSED BUILDING SECTION B-A

SCALE 1:200



KEY PLAN

NOT TO SCALE

PL	Nov. '18	ME	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'kd



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(INCORPORATING BARRY KELLEHER & ASSOC.)



Client:

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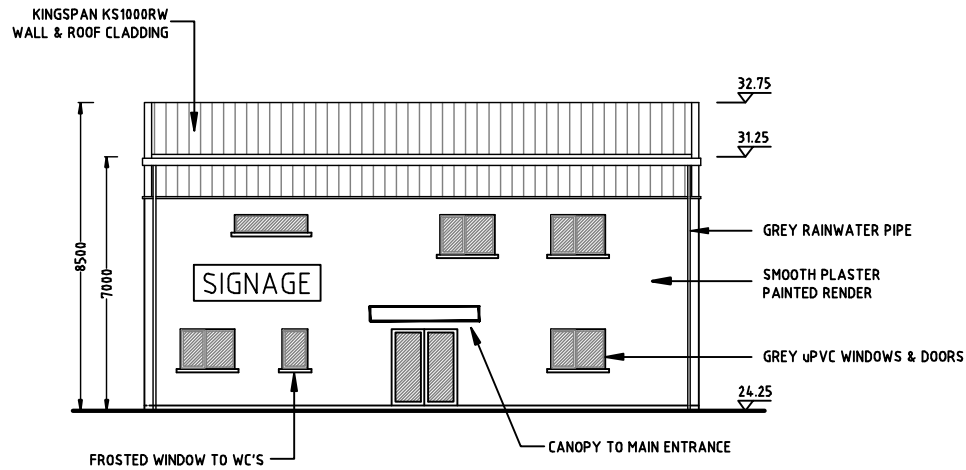
Project:

**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title:

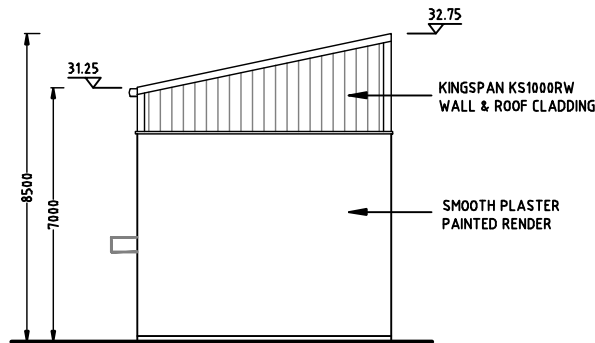
**Proposed Warehouse
Building Sections A-A & B-B**

Designed: P.F.	Drawn: D.T.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:200 @ A1
Project No: 0600-168	Status: Planning	Rev: PL
Drawing No: 1013		



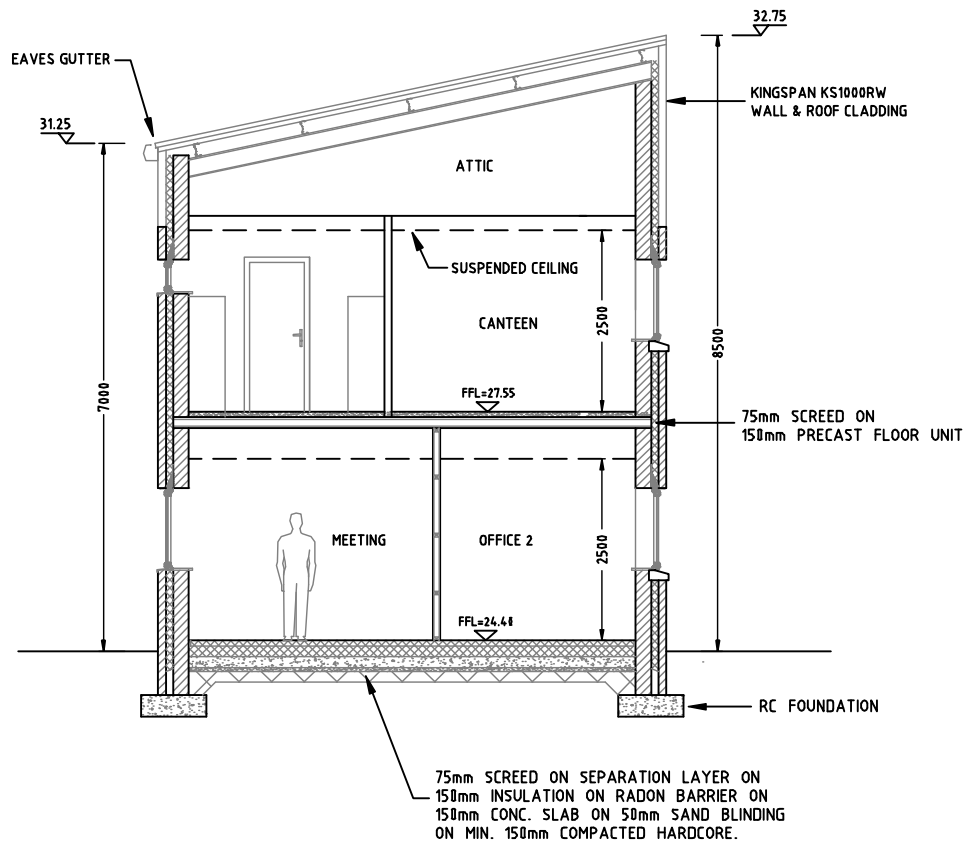
PROPOSED SOUTH ELEVATION

SCALE 1:100



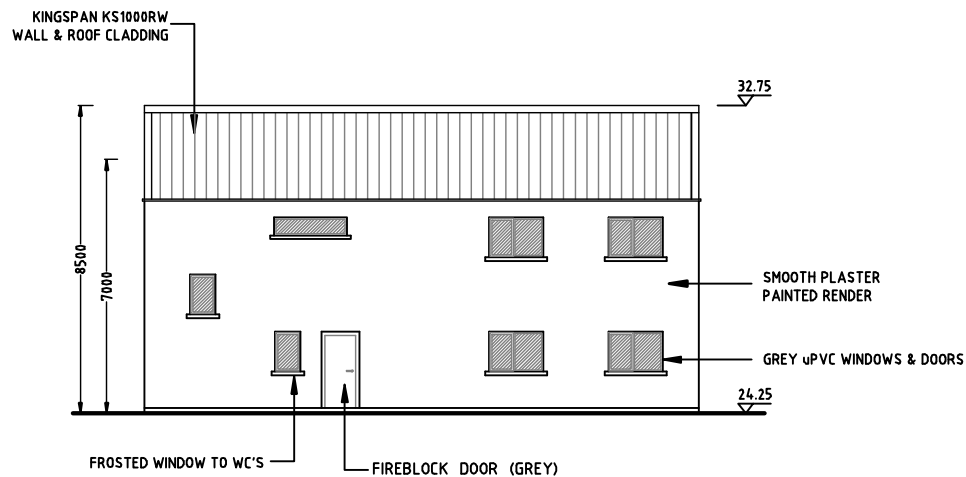
PROPOSED EAST ELEVATION

SCALE 1:100



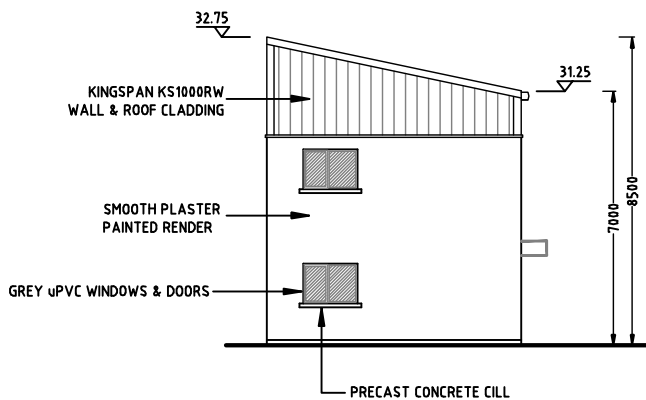
PROPOSED BUILDING SECTION

SCALE 1:50



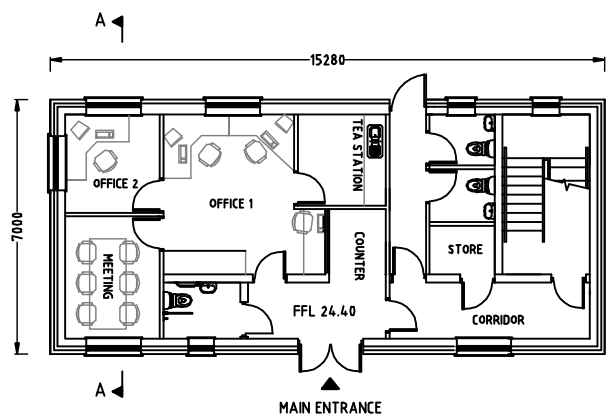
PROPOSED NORTH ELEVATION

SCALE 1:100



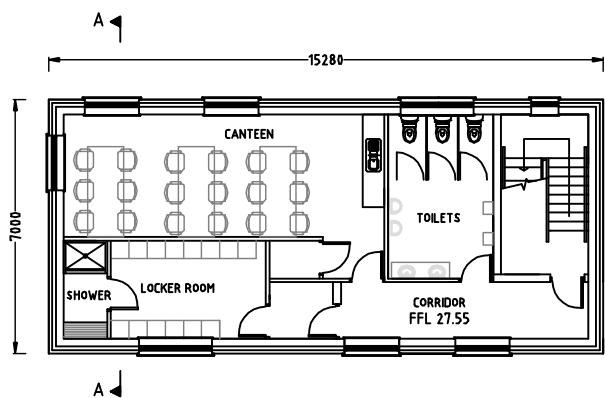
PROPOSED WEST ELEVATION

SCALE 1:100



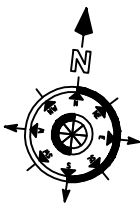
PROPOSED GROUND FLOOR PLAN

SCALE 1:100



PROPOSED FIRST FLOOR PLAN

SCALE 1:100



FLOOR AREAS:
GROUND FLOOR AREA = 89 SqM
FIRST FLOOR AREA = 89 SqM
TOTAL FLOOR AREA = 178 SqM

CLADDING DETAILS

FLASHING NOTES:

DRIP, CORNER & JAMB FLASHINGS TO BE 0.7mm THICK, COATED STEEL.
COLOUR : GOOSEWING GREY (BS1A05, RAL 060 70 05)

GUTTER NOTES:

GUTTER TO BE COLOUR : GOOSEWING GREY (BS1A05, RAL 060 70 05)

WALL & ROOF CLADDING NOTES:

WALL & ROOF CLADDING TO BE KINGSPAN KS1000RW RANGE, WITH 6mm CORE & VERTICALLY LAID.
COLOUR : GOOSEWING GREY (BS1A05, RAL 060 70 05)

NOTE:

ALL COMPOSITE CLADDING PANELS SHALL BE OF KINGSPAN MANUFACTURE
FROM THE KS RW1000 RANGE GOOSEWING GREY (BS1A05, RAL 060 70 05) COLOUR.
ALL DETAILS OF FLASHINGS, DRIPS & GUTTERS SHALL BE IN ACCORDANCE WITH
APPROVED KINGSPAN DETAILS.

PL	Rev	Date	Issued for Planning	PP

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CONSULTING ENGINEERS
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Client:

Country Clean

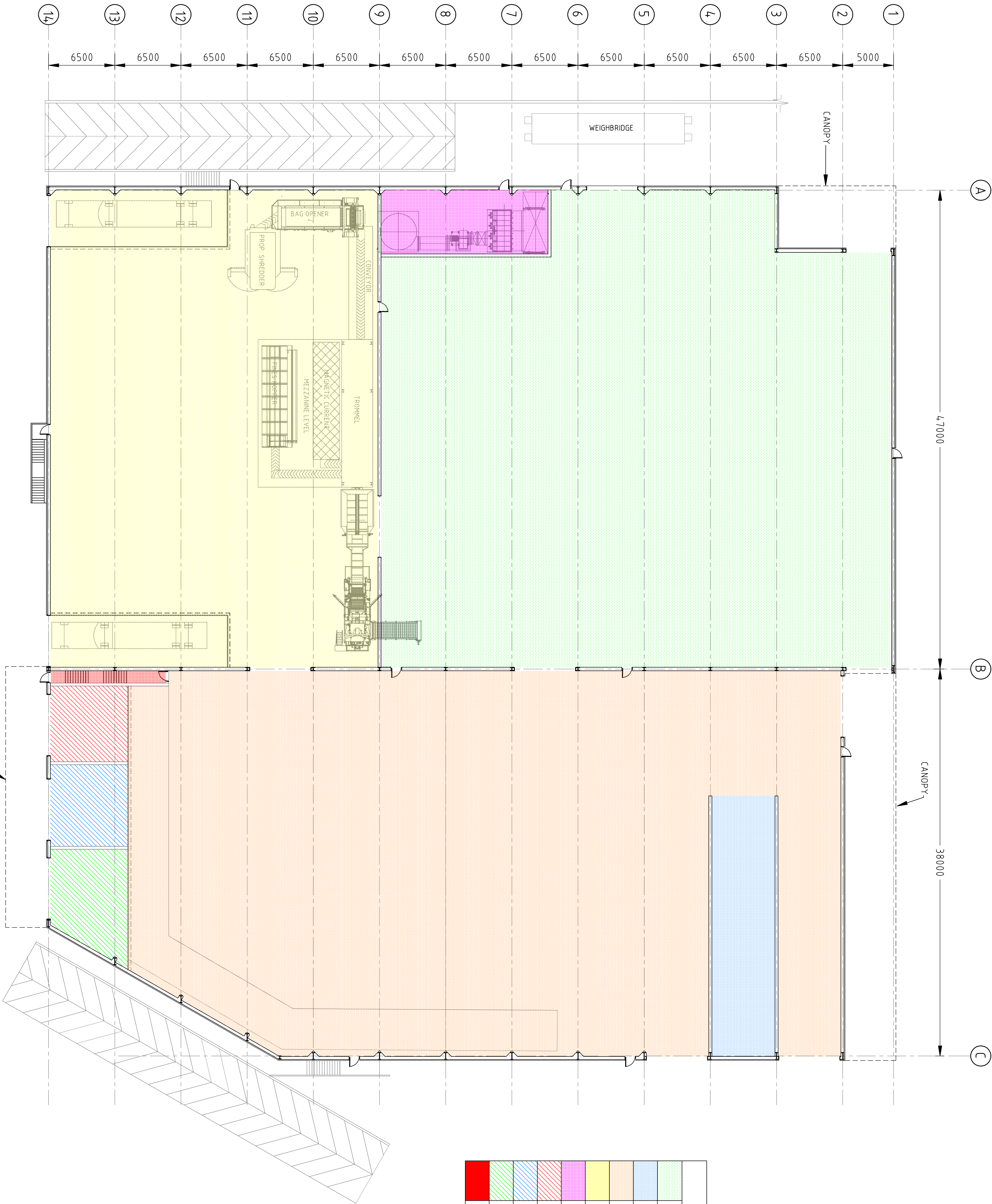
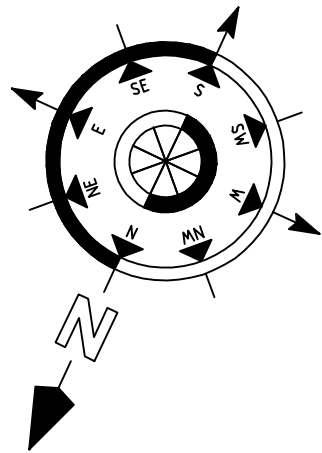
Project:

Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

Drawing Title:

Proposed Administration Block
Plans, Elevations & Section

Designed: P.F.	Drawn: M.E.	Date: Nov 2016
Eng. Chk: P.F.	Dwg. Chk: P.F.	Scale: As Shown @ A1
Project No: 0600-106	Status: Planning	Rev: PL
Drawing No: 1015		

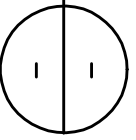


- Notes**
- This drawing is to be used in conjunction with all relevant engineers and architect's drawings and specifications.
 - Do not scale drawings. Use figured dimensions only.
 - All dimensions are in millimetres (mm).
 - Any discrepancies to be reported immediately to the consulting engineer.

LEGEND:	
	2770 SqM - BALE STORAGE AREA
	159 SqM - DRY RECYCLING AREA
	2408 SqM - RECYCLING SORTING AREA
	1508 SqM - FOOD & REFUSE AREA
	103 SqM - PLANT ROOM
	56 SqM - RECYCLED TIMBER HOLDING AREA
	61 SqM - RECYCLED GLASS HOLDING AREA
	74 SqM - RECYCLED BULDERS RUBBLE HOLDING AREA
	14 SqM - PROTECTED STAIRWELL

PL		Nov '18		M.E.		Issued for Planning		PR	
Rev	Date	Drawn	Description	Rev	Date	Drawn	Description	Rev	Date
RAY KEANE & ASSOCIATES CONSULTING ENGINEERS CIVIL STRUCTURAL PROJECT MANAGEMENT									
2 Claghaven Business Park, Bishopscourt Road, Cork, Ireland. T: +353 (0)21 4399709 F: +353 (0)21 4399797 E: admin@rk.ie W: www.rk.ie									
Client: Country Clean									
Project: Proposed Construction of Waste Transfer and Recycling Station At Courtstown, Little Island, Co.Cork.									
Drawing Title: Proposed Ground Floor Plan Identifying Floor Use Designation									
Designed:	M.E.	Drawn:	M.E.	Date:	Nov 2018				
Eng. title:		Drawn. title:		Scale:	1:200 @ A1				
Project No:	0800-168	Scale:		Sheet:					
Drawing No:	1017	Planning		Rev:	PL				

PROPOSED GROUND FLOOR PLAN
SCALE 1:200

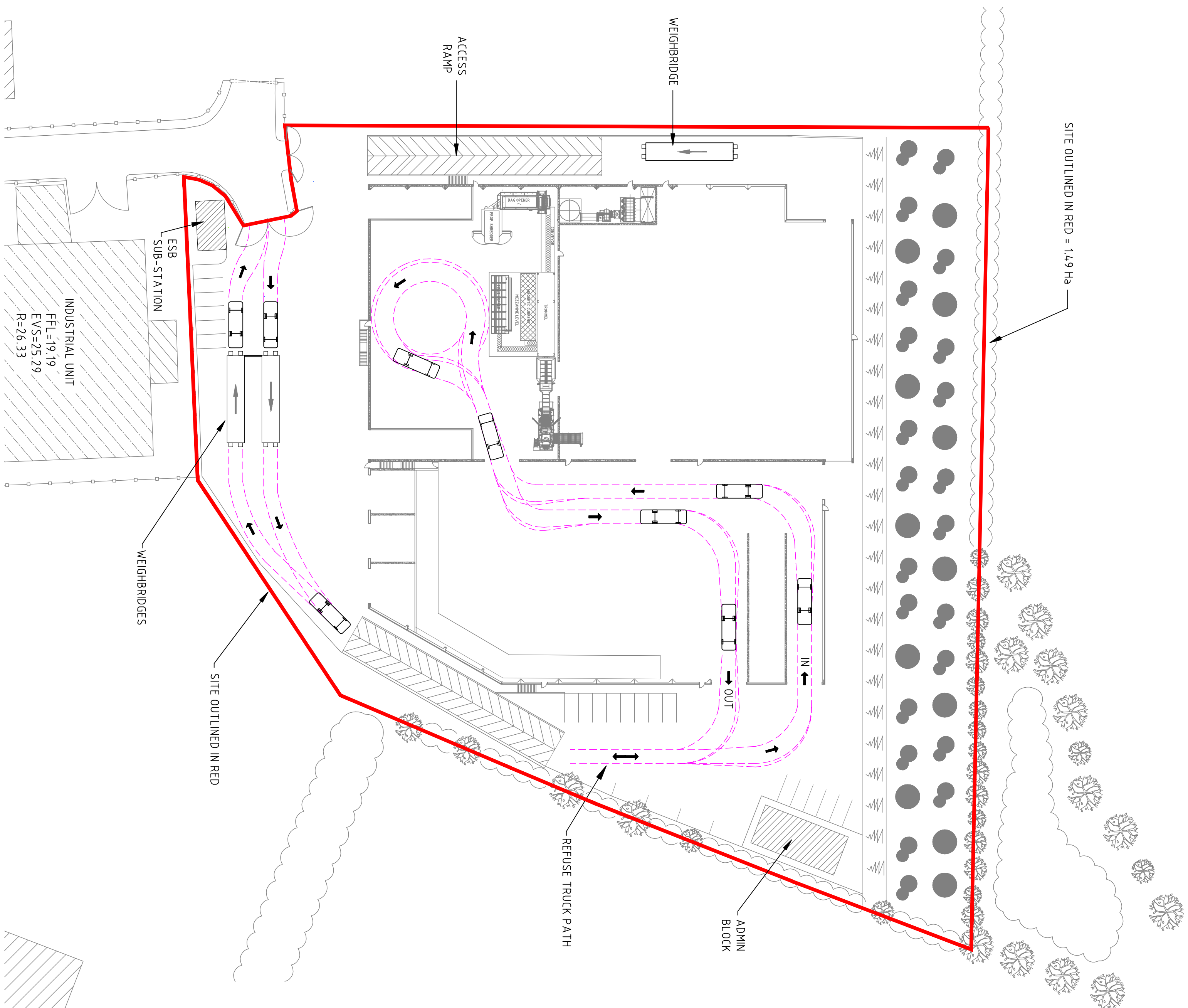
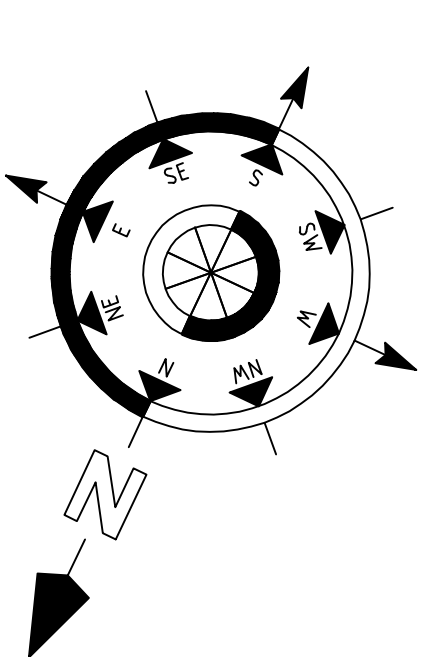


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Original Drawing Size A1

Notes

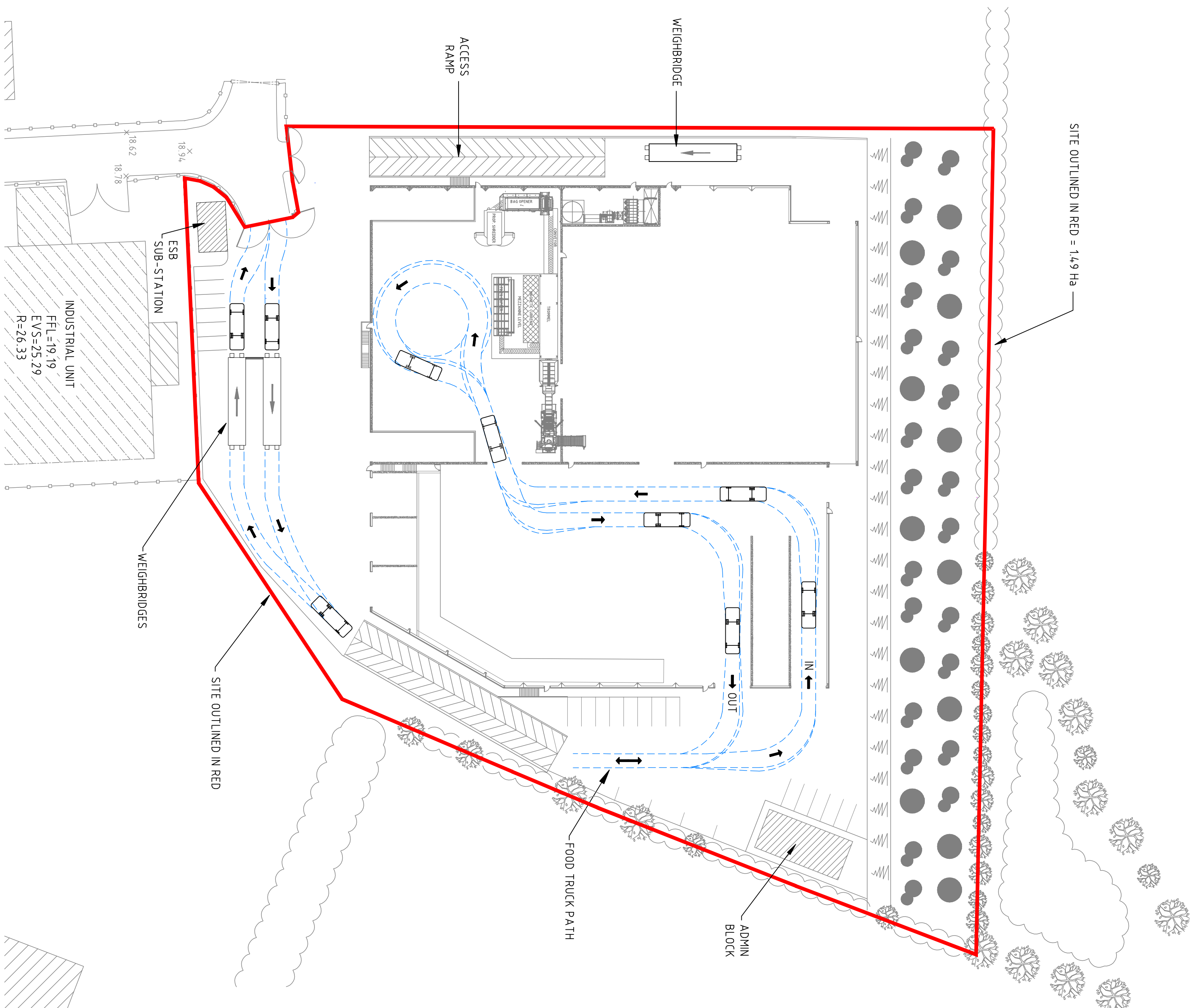
1. This drawing is to be used in conjunction with all relevant engineers and architects drawings and specifications.
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3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.



PROPOSED DOMESTIC REFUSE TRUCK TRAFFIC PATH

SCALE 1:500

-
-



PROPOSED DOMESTIC FOOD WASTE TRUCK TRAFFIC PATH	
SCALE 1:500	-

[illegible]

RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:

Country Clean

Project:

Proposed Construction of Waste Transfer and Recycling Station At Courstown, Little Island, Co.Cork.

Drawing Title:

Proposed Traffic Paths of Trucks (Domestic Refuse & Food Waste)

Designed: P.F.	Drawn: M.E.	Date: Nov 2018
-----------------------	--------------------	-----------------------

Eng Chtk: P.F.	Dwg. Chtk: P.F.	Scale: 1:500 @ A1
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Drawing No:	10000000	Status:	Rev:
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LEGEND:

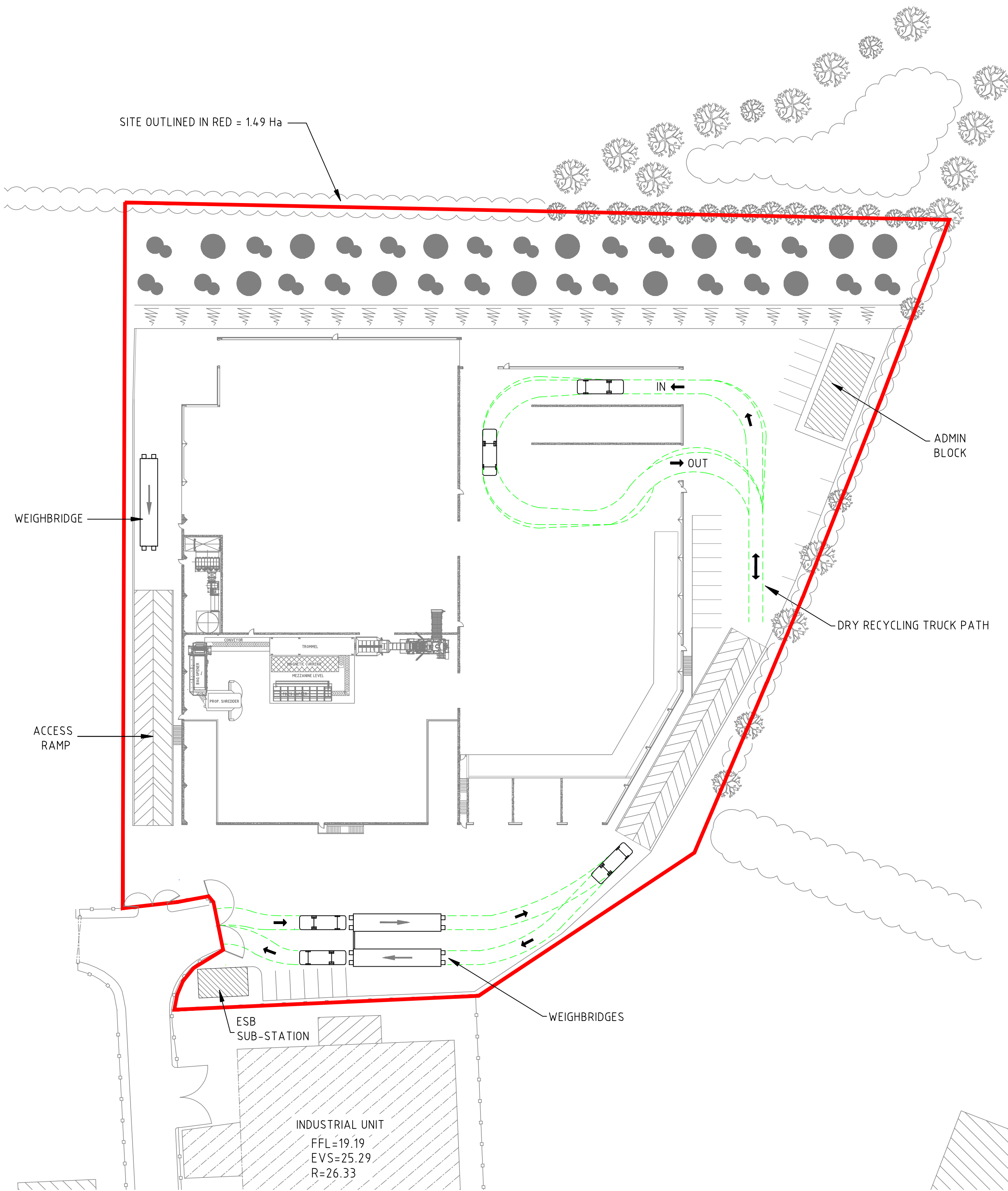
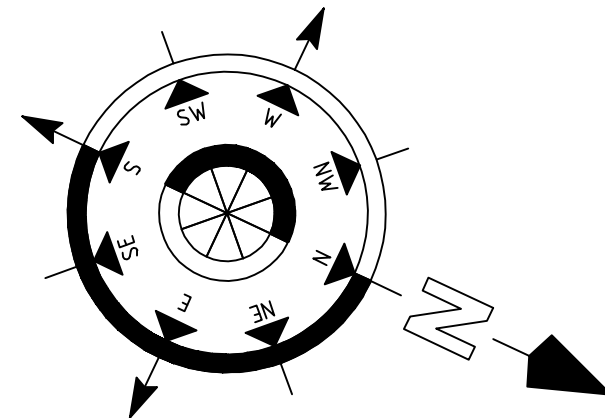
SITE OUTLINED IN RED

REFUSE TRUCK PATH

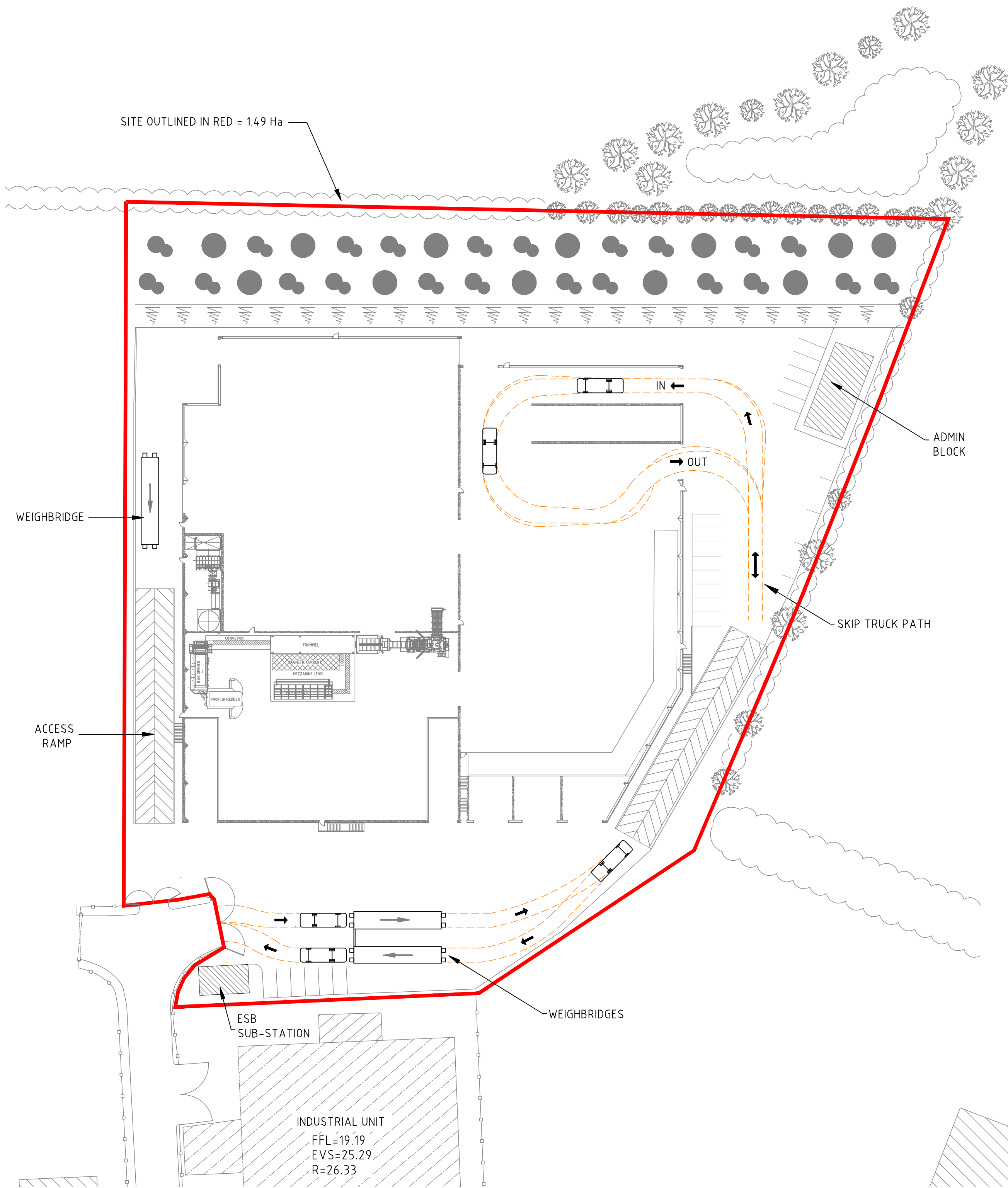
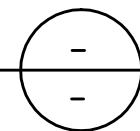
FOOD TRUCK PATH

Notes

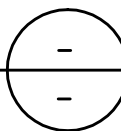
1. This drawing is to be read in conjunction with all relevant engineers and architects drawings and specifications.
2. Do not scale drawings. Use figured dimensions only. All dimensions to be checked on site.
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PROPOSED DRY RECYCLING TRUCK TRAFFIC PATH
SCALE 1:500



PROPOSED SKIP TRUCK TRAFFIC PATH
SCALE 1:500



LEGEND:

- SITE OUTLINED IN RED
- DRY RECYCLING TRUCK PATH
- SKIP TRUCK PATH

PL	Nov. '18	M.E.	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'kd



RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:

Country Clean

Project:

Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

Drawing Title:

Proposed Traffic Paths of Trucks
(Dry Recycling & Skips)

Designed: P.F. Drawn: M.E. Date: Nov 2017

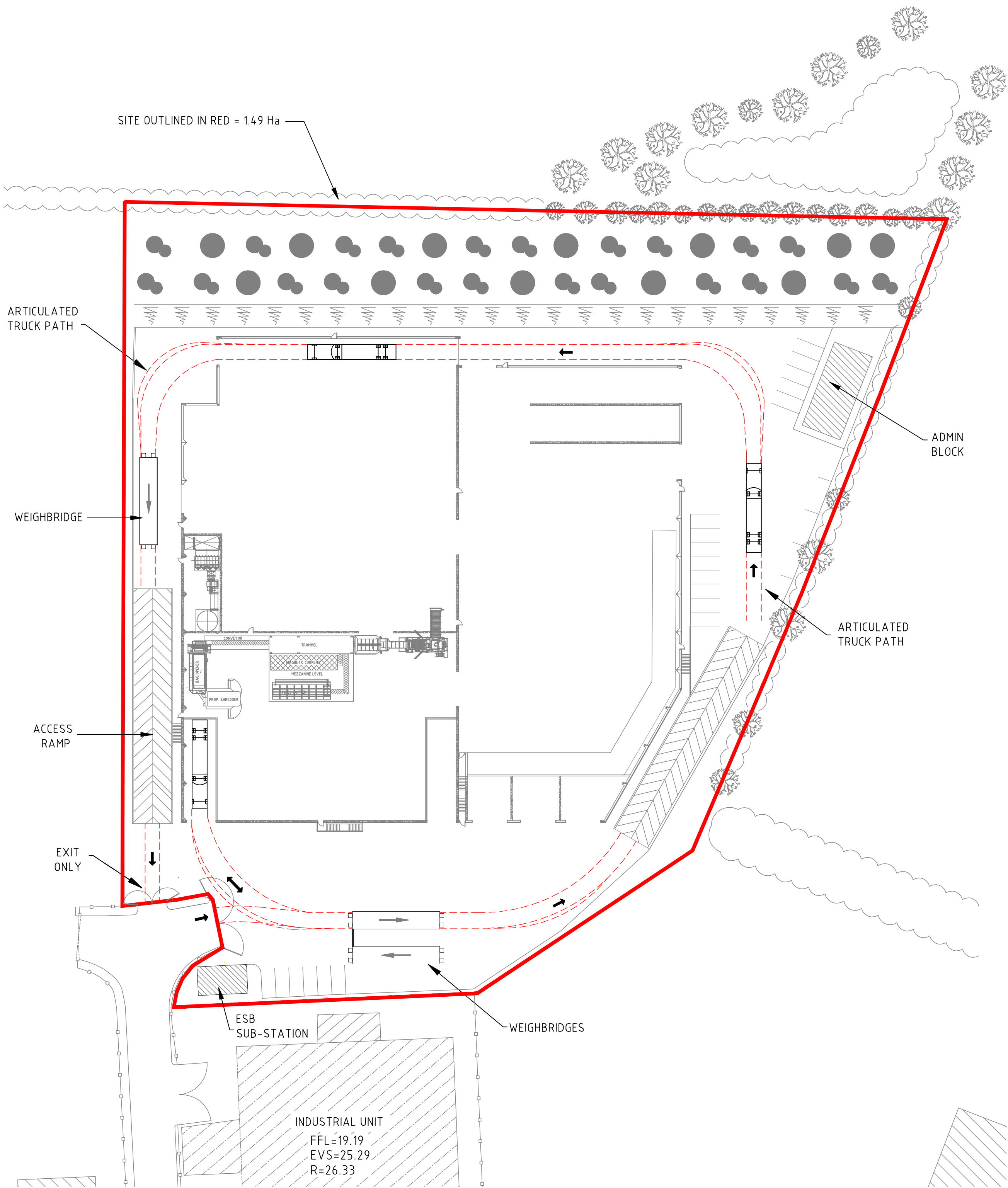
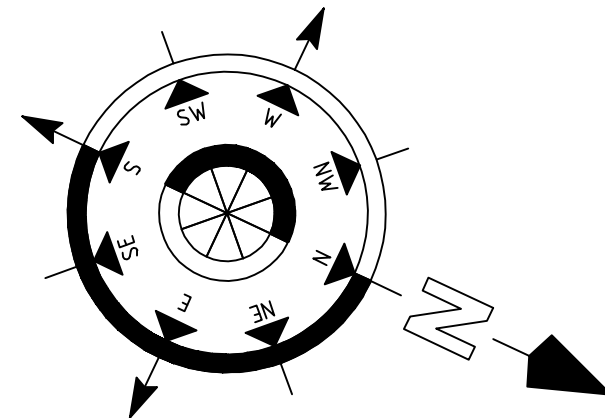
Eng Chk: P.F. Dwg. Chk: P.F. Scale: 1:500 @ A1

Project No: 0600-168

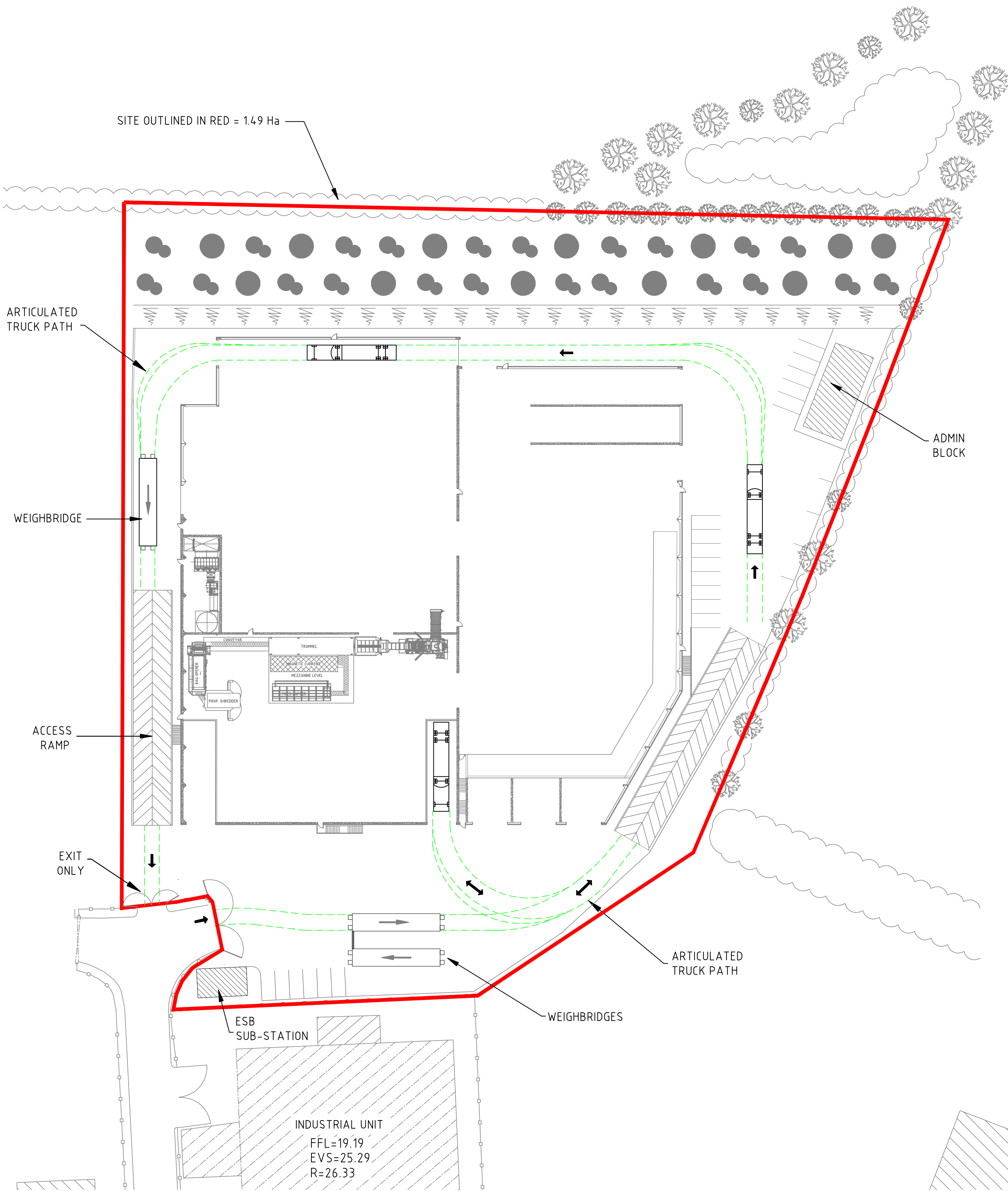
Drawing No: 1019 Status: Planning Rev: PL

Notes

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PROPOSED ARTICULATED LORRY (REFUSE) TRAFFIC PATH
SCALE 1:500



PROPOSED ARTICULATED LORRY (FOOD) TRAFFIC PATH
SCALE 1:500

LEGEND:

- SITE OUTLINED IN RED
- ARTICULATED TRUCK (REFUSE) PATH
- ARTICULATED TRUCK (FOOD) PATH

PL	Nov. '18	M.E.	Issued for Planning	PF
Rev	Date	Drawn	Description	City'd



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Client:

Country Clean

Project:

Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.

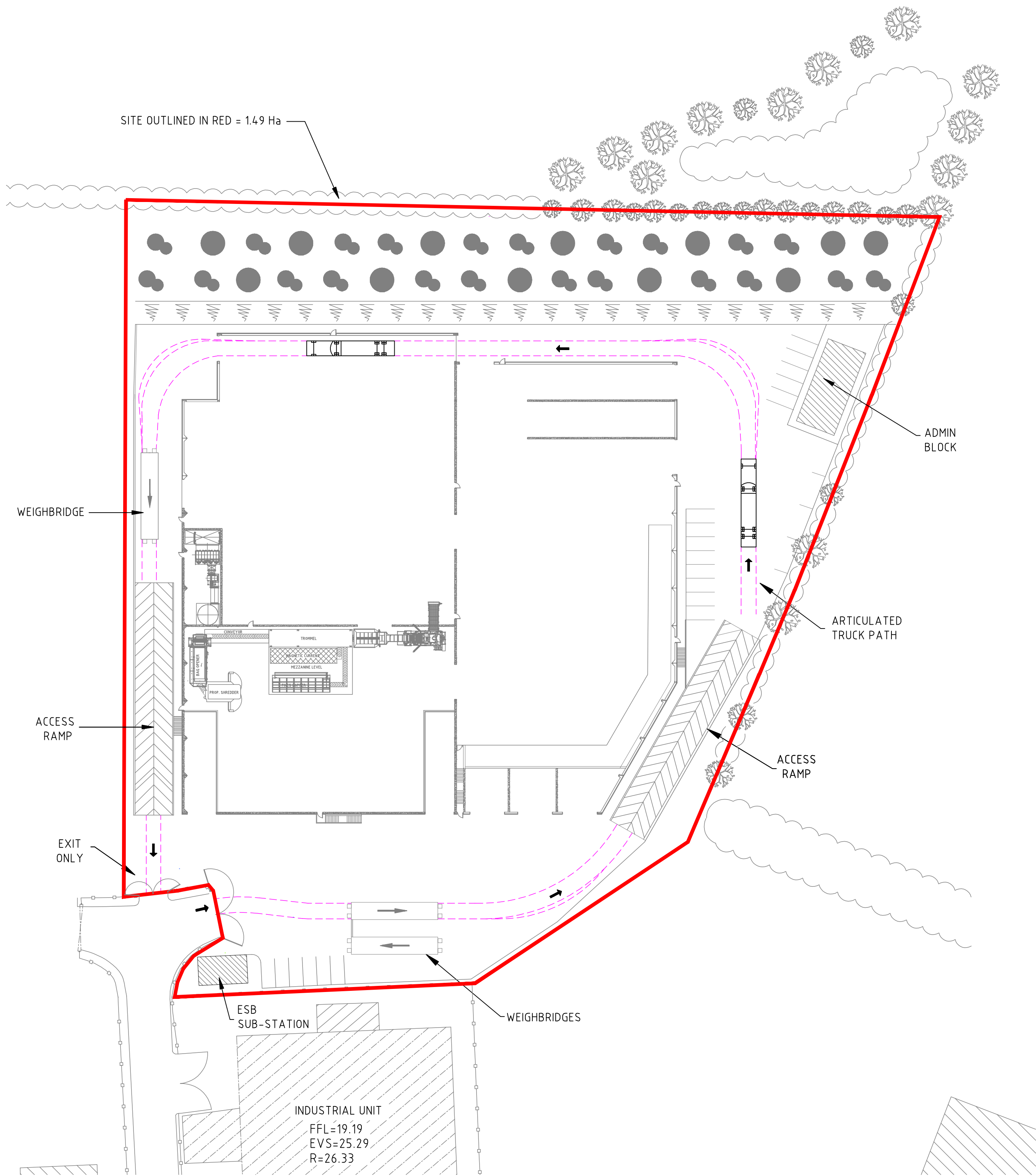
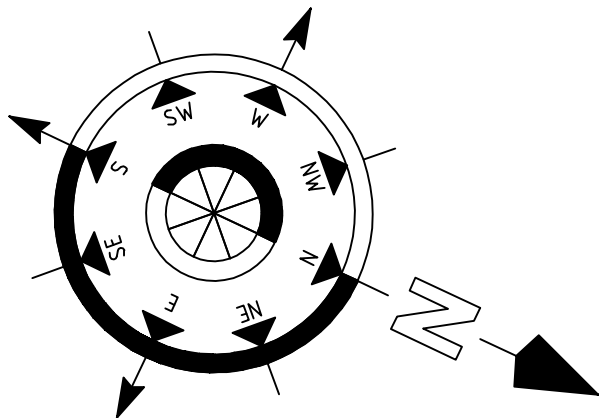
Drawing Title:

Proposed Traffic Paths of Articulated Trucks
(Refuse & Food)

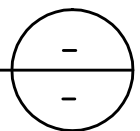
Designed: P.F.	Drawn: M.E.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:500 @ A1
Project No: 0600-168		
Drawing No: 1020	Status: Planning	Rev: PL

Notes

1. This drawing is to be read in conjunction with all relevant engineers and architects drawings and specifications.
2. Do not scale drawings. Use figured dimensions only. All dimensions to be checked on site.
3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.



PROPOSED ARTICULATED LORRY (BALES REMOVAL) TRAFFIC PATH
SCALE 1:500



LEGEND:

- SITE OUTLINED IN RED
- ARTICULATED TRUCK PATH

PL	Nov. '18	M.E.	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'kd



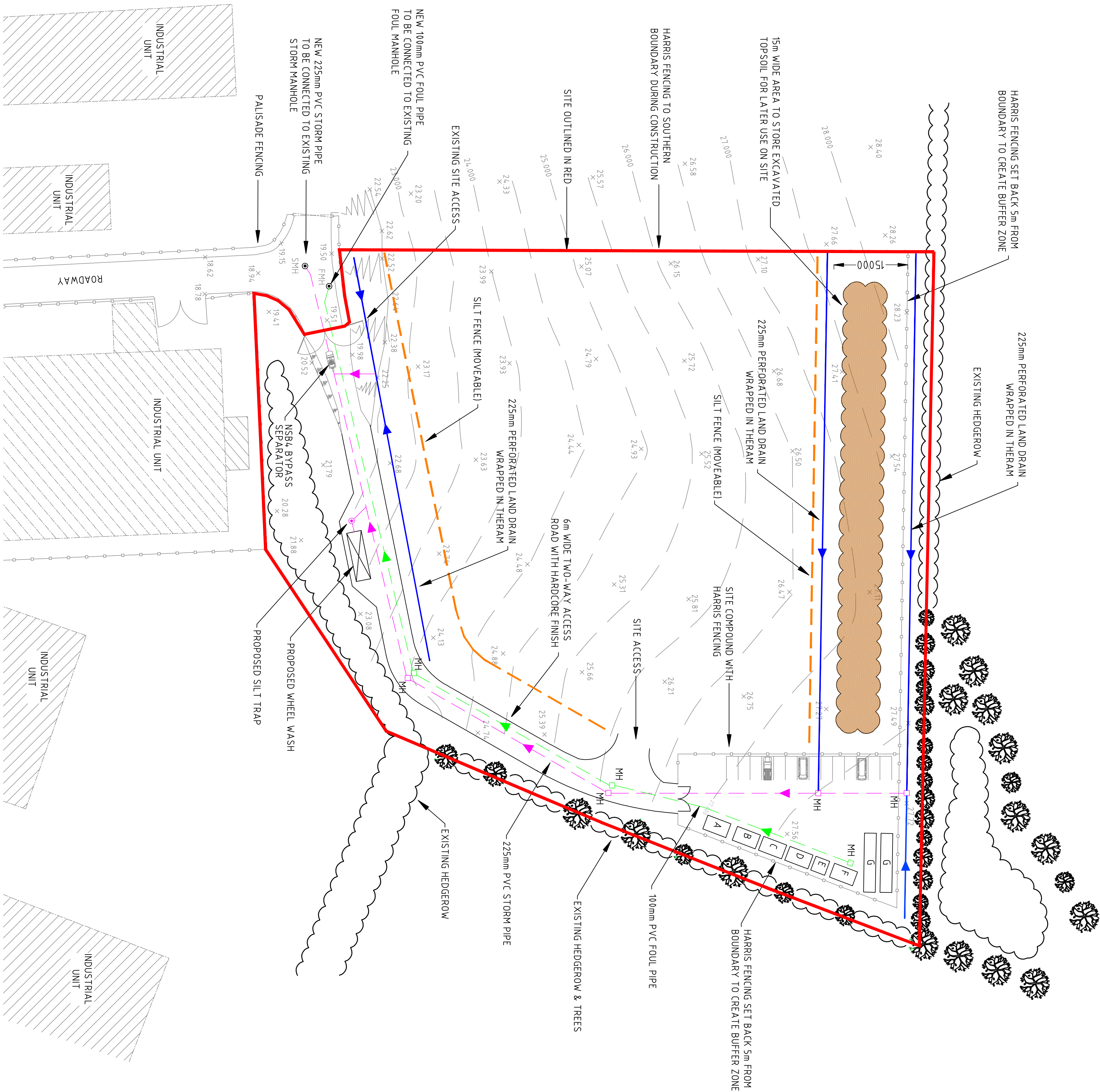
2 Clogheen Business Park,
Blarney Road, Cork,
Ireland.
T: +353 (0)21 4399799
F: +353 (0)21 4399797
E: admin@rka.ie
W: www.rka.ie

RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:
Country Clean

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title: Proposed Traffic Paths of Articulated Trucks (Bales)			
Designed: P.F.	Drawn: M.E.	Date: Nov 2018	
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:500 @ A1	
Project No:	0600-168		
Drawing No:	1021	Status: Planning	Rev: PL



Original Drawing Size A1

Original Drawing Size A1



Original Drawing Size A1

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3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.

CONTRACTORS COMPOUND LEGEND:

- A** SITE OFFICE
- B** CIVIL SITE OFFICE
- C** CANTEN
- D** CHANGING & DRYING ROOM
- E** FEMALE TOILETS
- F** MALE TOILETS
- G** STORAGE CONTAINERS

TEMPORARY DRAINAGE | EFGND:

- | | |
|---|-----------------------------|
|  | 225mm PVC STORM PIPE |
| | 100mm PVC FOUL PIPE |
|  | 225mm PERFORATED LAND DRAIN |
| | SILT FENCE (MOVEABLE) |



NSB4 BYPASS SEPARATOR

NOTE:

CONTROL OF GROUND WATER DURING
CONSTRUCTION PHASE WILL BE IN
ACCORDANCE WITH CIRIA C648 PUBLICATION.

PL	Nov-18	M.E.	Reason for Penning	PR
Nov	Date	Person	Description	CHV9



2 Clogheen Business Park
Blarney Road, Cork,
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CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:

Country Clean

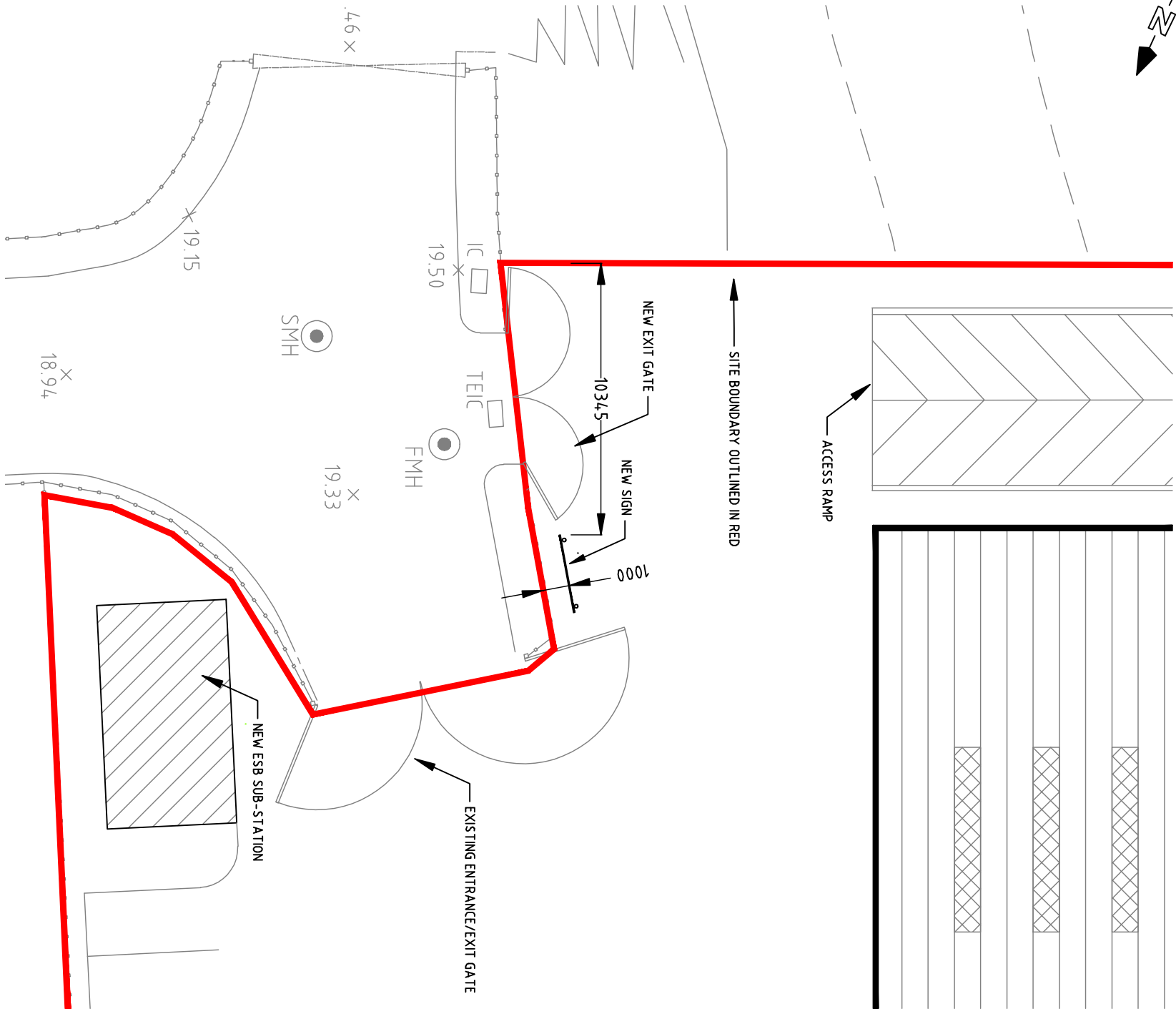
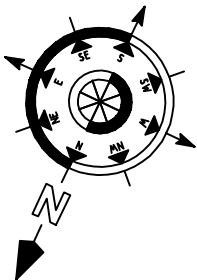
Project

Proposed Construction of Waste Transfer and Recycling Station At Courtstown, Little Island, Co.Cork.

Drawing Title:

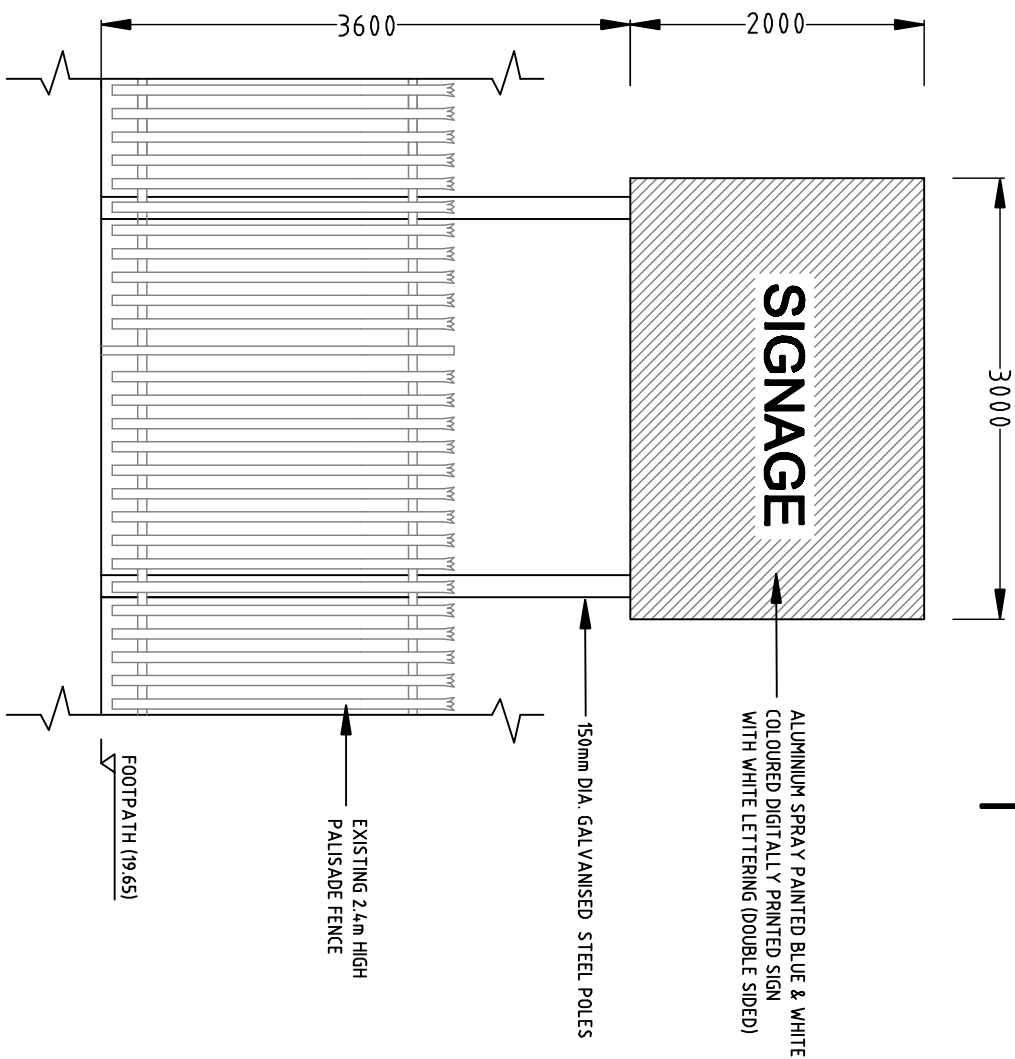
Proposed Plan of Site Works Construction Phase

Designated:	P.F.	Drawn:	M.E.	Date:	Nov 2018
Eng. Chk:	P.F.	Eng. Chk:	P.F.	Scale: 1:500 @ A1	
Project No:	0600-168				
Drawing No:	1022		Status:	Rev:	
			Planning		PL



PROPOSED LOCALISED SITE PLAN

SCALE 1:200



PROPOSED SIGN ELEVATION

SCALE 1:50



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Original Drawing Size A1

Notes

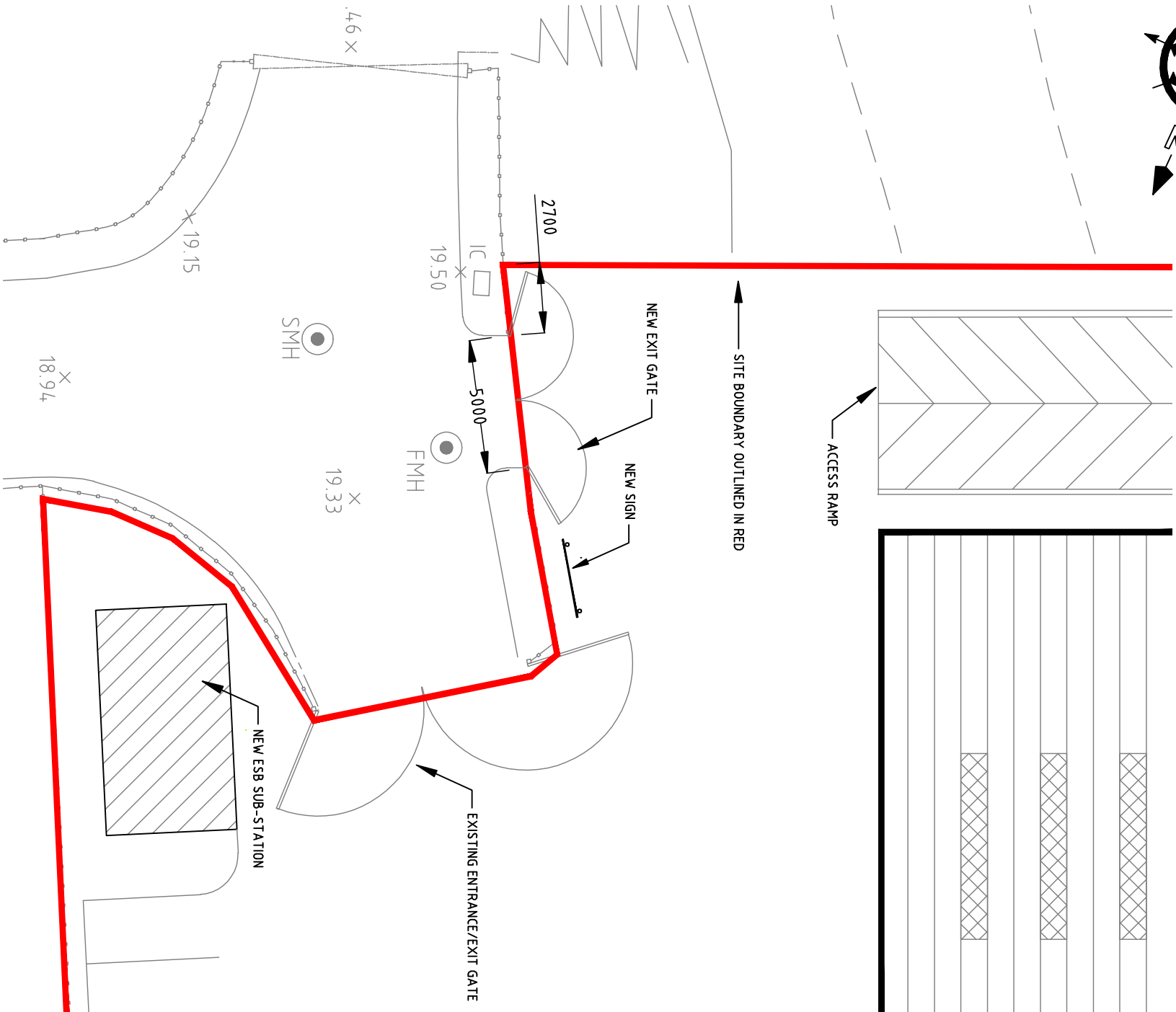
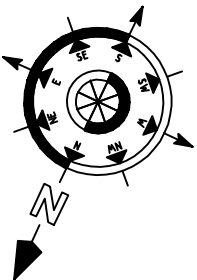
Rev	Date	Rev	Date	Rev	Date	Rev	Date	Rev	Date
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1	10/11/18	2	10/11/18	3	10/11/18	4	10/11/18	5	10/11/18
1	10/11/18	2	10/11/18	3	10/11/18	4	10/11/18	5	10/11/18
1	10/11/18	2	10/11/18	3	10/11/18	4	10/11/18	5	10/11/18

RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

County Clare

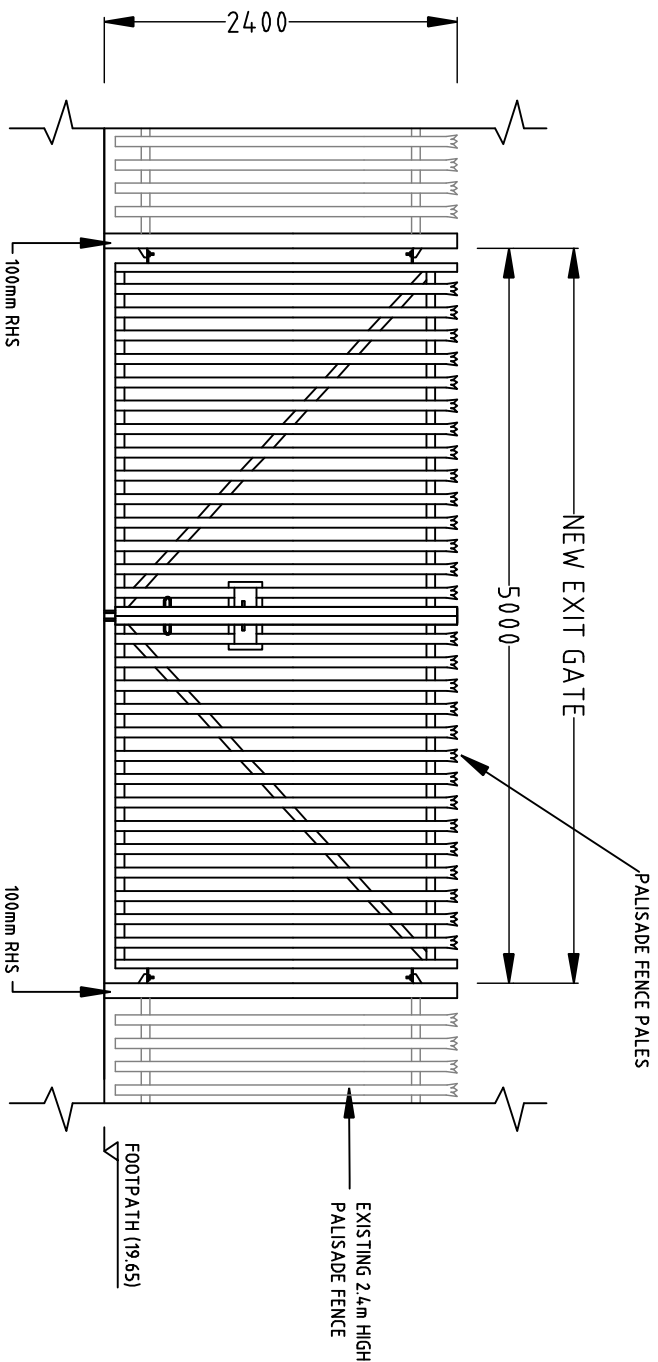
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtown, Little Island, Co. Cork.**

Design	Drawn	Date	Check	Rev
P.F.	M.E.	Nov 2018	P.F.	1
Eng. Date	Proj. Date	Scale	1:500/200 @ A3	
Project No.	0000-108			
Drawing No.	1023	Rev.	Rev.	PL



PROPOSED LOCALISED SITE PLAN

SCALE 1:200



PROPOSED EXIT GATE ELEVATION

SCALE 1:50



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Original Drawing Size A1

Notes

Rev	Date	By	Desc	Checked by	Drawn	Checked by
1	10/11/18	ME	Revised for Planning			



RAY KEANE & ASSOCIATES
CONSULTING ENGINEERS
CIVIL | STRUCTURAL | PROJECT MANAGEMENT

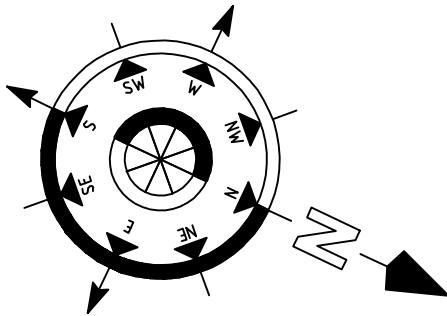
Client:
County Council

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtown, Little Island, Co.Cork.**

Drawing Title:			
Proposed New Exit Gate Details			
Designed:	P.F.	Drawn:	M.E.
Eng. Date:	P.F.	Eng. Date:	P.F.
Project No:	0000-108	Scale:	1:500/200 @ A3
Drawing No:	1024	Status:	Pending
		Rev:	PL

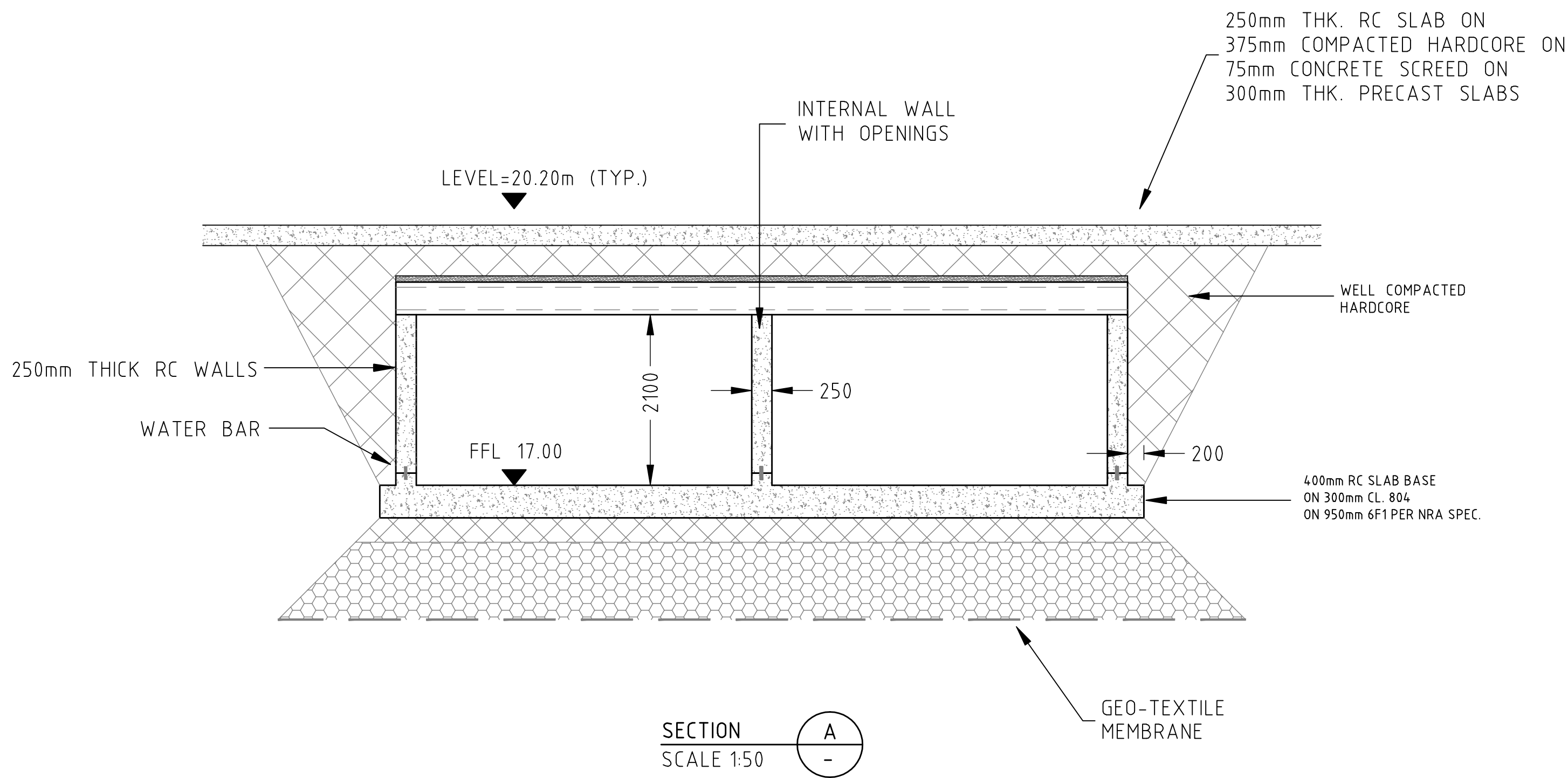
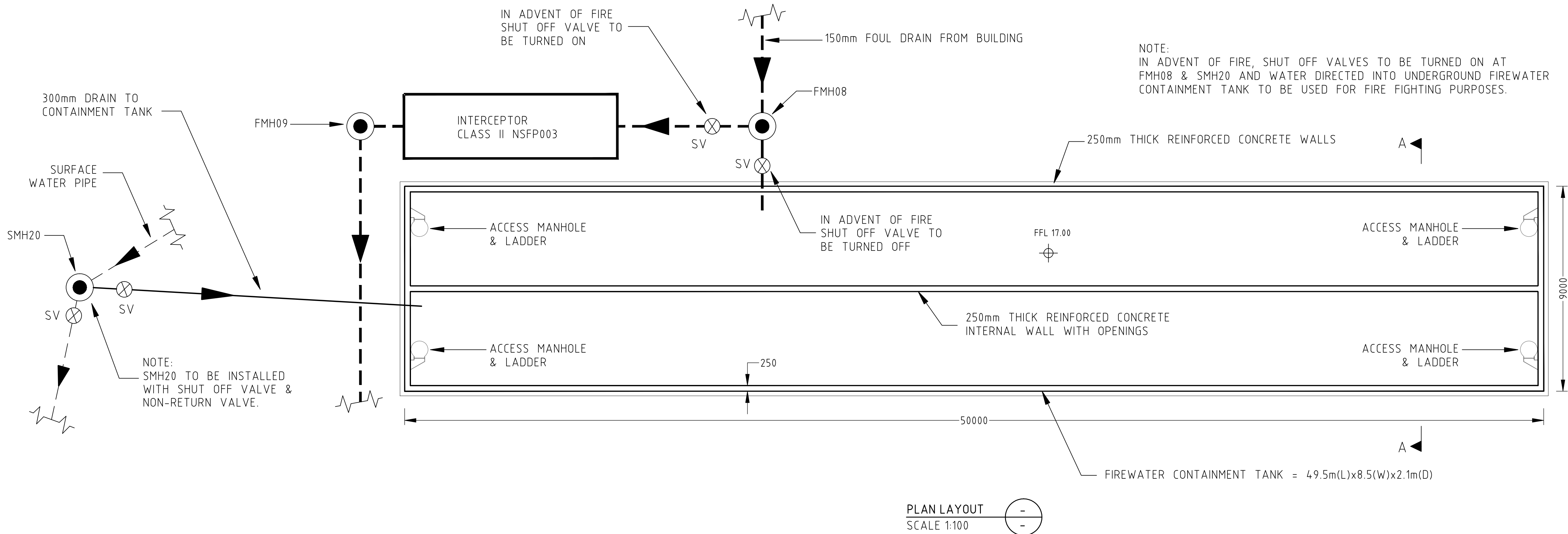
Notes

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3. All dimensions are in millimetres (mm).
4. Any discrepancies to be reported immediately to the consulting engineer.



NOTES:

North refers to Magnetic North.
All levels relate to Malin Head Datum.
All dimensions are in millimeters
Do not scale from drawing



PL	Nov'18	ME	Issued for Planning	PF
Rev	Date	Drawn	Description	Ch'kd
<div><div><div>2 Clogheen Business Park, Blarney Road, Cork, Ireland. T: +353 (0)21 4399799 F: +353 (0)21 4399797 E: admin@rka.ie W: www.rka.ie</div></div><div><div>RAY KEANE & ASSOCIATES CONSULTING ENGINEERS CIVIL STRUCTURAL PROJECT MANAGEMENT</div></div></div>				
Client: Country Clean				
Project: Proposed Construction of Waste Transfer and Recycling Station At Courtstown, Little Island, Co.Cork.				
Drawing Title: Proposed Underground Firewater Containment Tank Details				
Designed: P.F.	Drawn: M.E.	Date: Nov 2018		
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:50/100 @ A1		
Project No: 0600-168				
Drawing No: 1025	Status: Planning	Rev: PL		

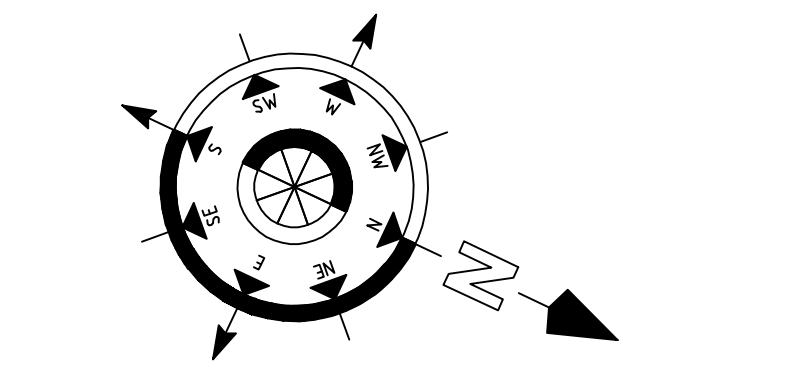


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Original Drawing Size A1

Notes

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NOTES:
North refers to Magnetic North.
All levels relate to Malin Head Datum.
All dimensions are in millimeters
Do not scale from drawing

PL	Nov '18	M.E.	Issued for Planning	PF
Rev	Date	Drawn	Description	City'd



2 Cloughan Business Park,
Blarney Road,
Cork.
tel 021 4399799
fax 021 4399797
e-mail admin@ria.ie



REGISTERED ENGINEERS

Ray Keane & Associates
CONSULTING ENGINEERS
CIVIL, STRUCTURAL, PROJECT MANAGEMENT
(INCORPORATING BARRY KELLEHER & ASSOC.)

Client:
Country Clean

Project:
**Proposed Construction of
Waste Transfer and Recycling Station
At Courtstown, Little Island, Co.Cork.**

Drawing Title:
Proposed Boundary Treatments

Designed: P.F.	Drawn: M.E.	Date: Nov 2018
Eng Chk: P.F.	Dwg. Chk: P.F.	Scale: 1:250 @ A1
Project No: 0600-168		
Drawing No: 1026	Status: Planning	Rev: PL