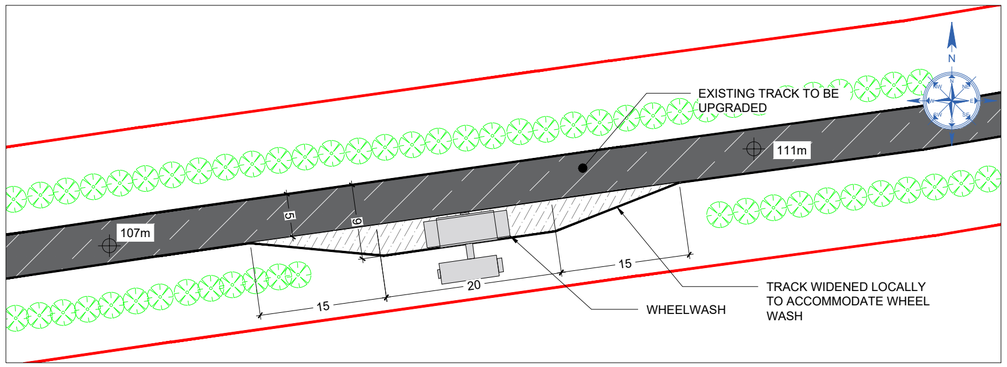
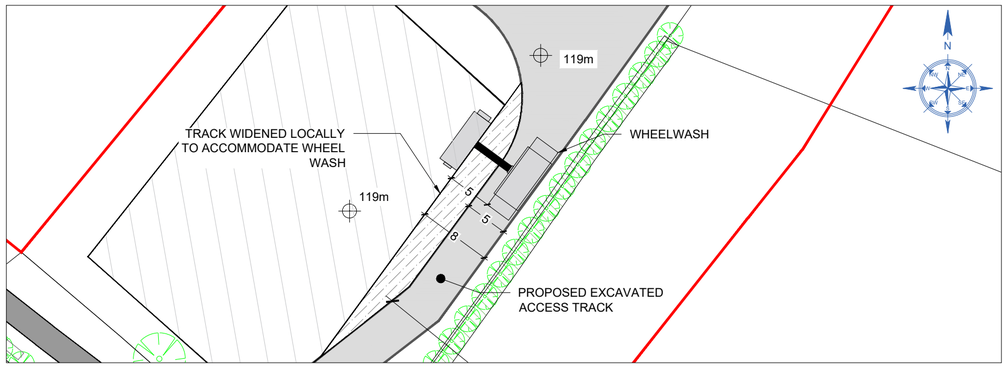


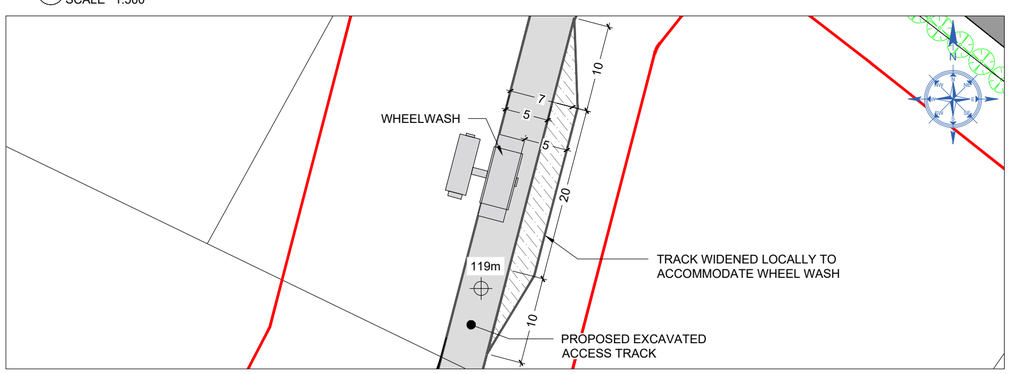
01 - KEY PLAN
SCALE 1:2500



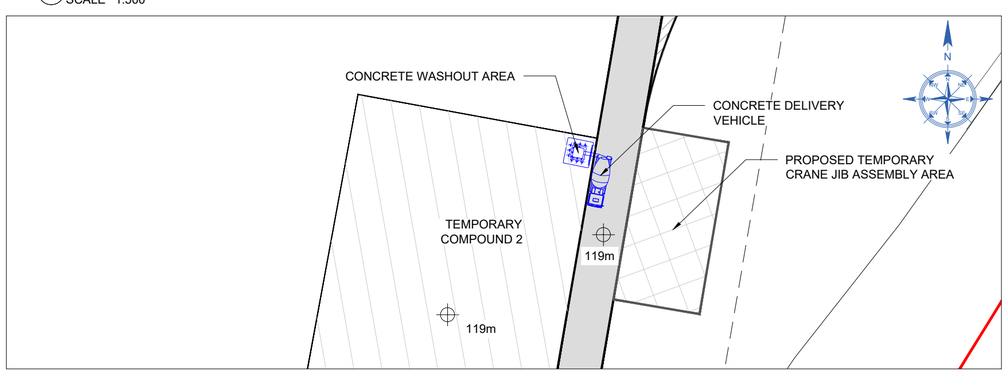
D1 - DETAIL 1-WHEELWASH SE1
SCALE 1:500



D3 - DETAIL 3-WHEELWASH SE3
SCALE 1:500



D2 - DETAIL 2-WHEELWASH SE2
SCALE 1:500



D4 - DETAIL 4-CONCRETE WASHOUT AREA
SCALE 1:500

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND COORDINATES TO ITM GRID UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE TO ORDINANCE SURVEY DATUM, MALIN HEAD, UNLESS NOTED OTHERWISE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.

MAP INFORMATION:

1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

LEGEND:

REDLINE BOUNDARY

XXm — PROPOSED GROUND LEVEL

RECEIVED - 06/04/2026

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	WHEELWASH & CONCRETE WASHOUT AREA SITE LAYOUT

DRAWN:	MM	SCALE: AS SHOWN @ A2		
DATE:	19/02/26	JOB NO.	DRG. NO.	REV.
DES. BY:	ER	23604	280	P1
CHK. BY:	ER			
APP. BY:	BMG			

NOTES:

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2. ALL LEVELS ARE TO ORDINANCE SURVEY DATUM, MALIN HEAD, UNLESS NOTED OTHERWISE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.

MAP INFORMATION:

1. MAP SERIES: 1:2500
   1.1. MAP SHEETS: 2227-A

LEGEND:

- REDLINE BOUNDARY
- UNDERGROUND GRID CONNECTION - CONSTRUCTED WITHIN PUBLIC ROAD BOUNDARY
- JOINT BAY & COMMUNICATION CHAMBER
- MV(10kV/20kV) OVERHEAD LINES
- LV(400V/230V) OVERHEAD LINES
- MV/LV(10kV/20kV/400V/230V) UNDERGROUND LINES
- 38kV & HIGHER VOLTAGE OVERHEAD LINES
- 38kV & HIGHER VOLTAGE UNDERGROUND CABLE ROUTES
- WATERMAINS
- TRENCHES CONTAINING BURIED CONDUITS (PIPE/DUCT) AND TELECOMMUNICATION CABLES
- OVERHEAD TELECOMMUNICATION CABLES
- XXX.XXX — EXISTING ROAD EDGE LEVEL
- EXISTING WATERCOURSE
- EXISTING LAND DRAIN
- WATER COURSE & LAND DRAIN BUFFER ZONES

Grid Route Crossing Details

Type of Crossing	Method Of Crossing	Coordinates (ITM)	Shown on Drawing Number
Culvert	Open Dig - Overcrossing	597126E 781036N	23604-301
N5 Road	No Dig - Directional Drilling	596523E 779611N	23604-304
Culvert	Open Dig - Overcrossing	596977E 778262N	23604-306 & 307

RECEIVED: 05/06/2026

N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT - CONSTRUCTED SERVICES AND INFRASTRUCTURE
DIRECTIONAL DRILLING WORKS ARE TO BE COORDINATED WITH THE SERVICES AND INFRASTRUCTURE CONSTRUCTED AS PART OF THE N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT (AN COIMISIÚN PLEANÁLA - CASE REFERENCE: HA20.300493).
AS PART OF THIS, THE ROAD PROJECT CONSTRUCTION RECORD DRAWINGS ARE TO BE REQUESTED FROM ROSCOMMON COUNTY COUNCIL IN ADVANCE OF THE WORKS.

NEW CULVERT PROPOSED AS PART OF THE N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT (AN COIMISIÚN PLEANÁLA - CASE REFERENCE: HA20.300493)

FULL ROAD WIDTH REINSTATEMENT TO BE CARRIED OUT ON COMPLETION OF GRID INSTALLATION WORKS.

DIRECTIONAL DRILLING COMPOUND

CABLE INSTALLED TO ALIGN WITH NEW ROAD/ JUNCTION TO ROSCOMMON COUNTY COUNCIL REQUIREMENT

PROPOSED N5 BALLAGHADERREEN TO SCRAMOGE ROAD REALIGNMENT SHOWN DASHED MAGENTA

GRID CONNECTION DIRECTIONALLY DRILLED UNDER NATIONAL ROAD

DIRECTIONAL DRILLING COMPOUND

FULL ROAD WIDTH REINSTATEMENT TO BE CARRIED OUT ON COMPLETION OF GRID INSTALLATION WORKS.

CH:3000m CH:3100m CH:3200m CH:3300m CH:3400m CH:3500m CH:3600m CH:3700m

N5

P5

REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P5	MM	BMG	08/04/26	N5 BALLAGHADEERREEN TO SCRAMOGE ROAD PROJECT CULVERT ADDED. HDD LAYOUT UPDATED. AS CONSTRUCTED NOTE ADDED.

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BALLYFEENY Green Energy

PLANNING

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Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	GRID ROUTE SITE LAYOUT MAP 4 OF 8

DRAWN:	VC	SCALE: 1:500 @ A0			
DATE:	29/07/2024	JOB NO.	DRG. NO.	REV.	
DES. BY:	BMG	23604	304	P5	
CHK. BY:	BMG				
APP. BY:	BMG				



NOTES:

1. ALL DIMENSIONS ARE IN METRES AND COORDINATES TO ITM GRID UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE TO ORDINANCE SURVEY DATUM, MALIN HEAD, UNLESS NOTED OTHERWISE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
4. THE SIGHT DISTANCES FOR JUNCTION OF THE ACCESS TO THE PROPOSED DEVELOPMENT IS BASED ON THE ROSCOMMON COUNTY DEVELOPMENT PLAN 2022-2028

MAP INFORMATION:

1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

LEGEND:

- REDLINE BOUNDARY
- SIGHTLINE
- TANGENTIAL SIGHTLINE
- VISIBILITY SPLAY AREA TO BE KEPT CLEAR - OBSTRUCTIONS WITHIN VISIBILITY SPLAY AREA TO BE REMOVED
- EXISTING ROAD
- EXISTING TRACK TO BE UPGRADED, REALIGNED, AND WIDENED TO 5m
- PROPOSED EXCAVATED ACCESS TRACK AND HARDSTAND AREA
- EXISTING HEDGEROW
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- XXm — PROPOSED GROUND LEVEL
- XXm — EXISTING GROUND LEVEL

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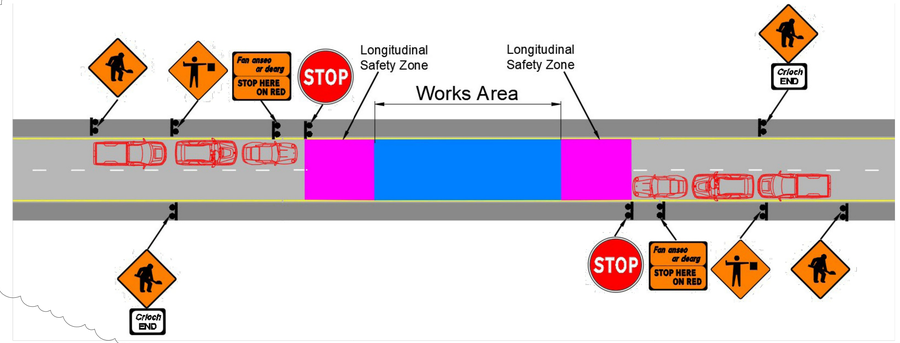
REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P4	VC	ER	16/02/26	SIGHT LINES LENGTH UPDATED

BALLYFEENY Green Energy

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Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	VC	SCALE:	1:250 @ A0	
		DATE:	20/10/2024	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	BMG	23604	352	P4
DRG. TITLE:	SE2 & SE3 - SITE ENTRANCE No. 2 & 3 SIGHT LINES	CHK. BY:	BMG			
		APP. BY:	BMG			



Level		Carriageway Type	Speed Limit / Speed (km/h)
Main	Sub		
Level 1	i	Single	≤ 30
	ii	Single	40
	iii	Single	50
	iv	Single	60
		Multi-lane and Dual	≤ 60

ROAD TYPES/ LEVELS

Level	Long Safety Zone (m)
1(i)	0.5
1(ii)	0.5
1(iii)	5
1(iv)	15

LONGITUDINAL SAFETY ZONE BASED ON ROAD LEVEL

DETAIL 1 - TRAFFIC MANAGEMENT

NOTES:
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3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
4. THE SIGHT DISTANCES FOR JUNCTION OF THE ACCESS TO THE PROPOSED DEVELOPMENT IS BASED ON THE ROSCOMMON COUNTY DEVELOPMENT PLAN 2022-2028

MAP INFORMATION:
1. MAP SERIES: 1:5000
1.1. MAP SHEETS: 2165

LEGEND:
- REDLINE BOUNDARY
- SIGHTLINE
- TANGENTIAL SIGHTLINE
- VISIBILITY SPLAY AREA TO BE KEPT CLEAR - OBSTRUCTIONS WITHIN VISIBILITY SPLAY AREA TO BE REMOVED
- EXISTING ROAD
- EXISTING TRACK TO BE UPGRADED, REALIGNED, AND WIDENED TO 5m
- PROPOSED EXCAVATED ACCESS TRACK AND HARDSTAND AREA
- EXISTING HEDGEROW
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- XXm — PROPOSED GROUND LEVEL
- XXm — EXISTING GROUND LEVEL

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P5	MM	BMG	10/04/26	TEMPORARY TRAFFIC MANAGEMENT DETAILS ADDED SIGHT LINES LENGTH UPDATED
P6	MM	BMG	03/06/26	DRAWING NAME REVISED

PLANNING

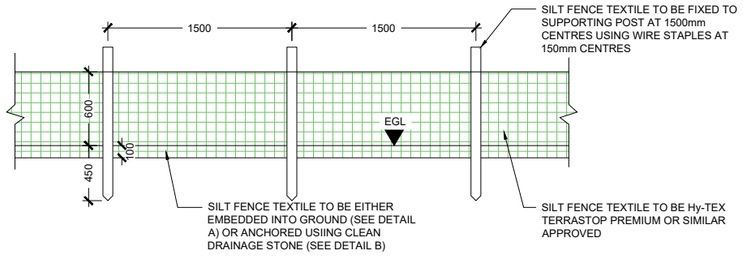
Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	VC	SCALE:	1:250 @ A0
		DATE:	20/10/2024	JOB NO.	23604
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	BMG	DRG. NO.	353
		CHK. BY:	BMG	REV.	P6
DRG. TITLE:	SE4, SE5 & SE6 - SITE ENTRANCE NO. 4, 5 & 6 SIGHT LINES & TEMPORARY ACCESS DETAILS	APP. BY:	BMG		

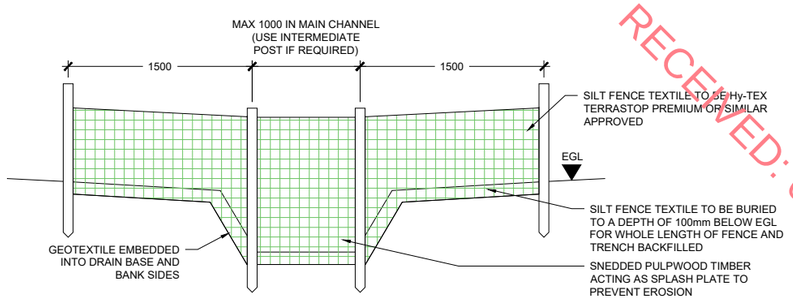
RECEIVED: 05/06/2026

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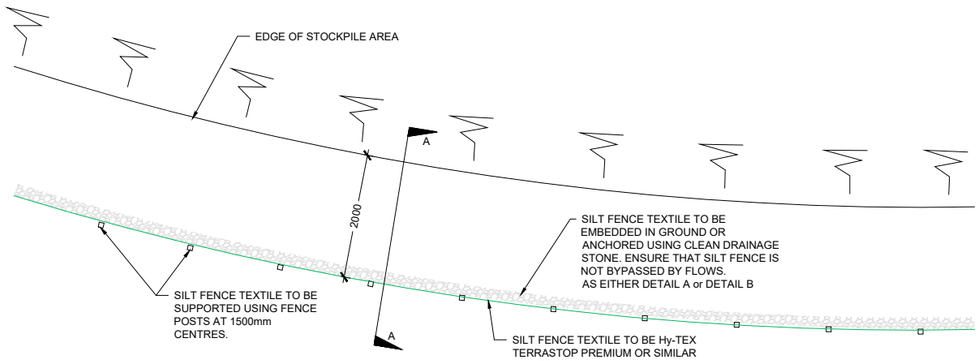
1. ALL DIMENSIONS ARE IN MILLIMETRES AND COORDINATES TO ITM GRID UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE TO (OSI) ORDINANCE MALIN HEAD VERTICAL DATUM IN METRES.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
4. USE FIGURED DIMENSIONS ONLY - DO NOT SCALE.
5. SILT FENCE
   - 5.1. TEMPORARY SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. FENCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
   - 5.2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE OR 2, CLASS 1 WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
   - 5.3. FENCE POSTS SHALL BE EITHER WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA AT 400x400mm OR A STANDARD STEEL POST.



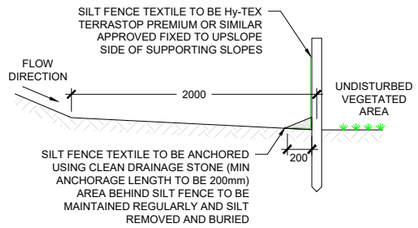
F1 402 ELEVATION OF SILT FENCE
SCALE 1:50



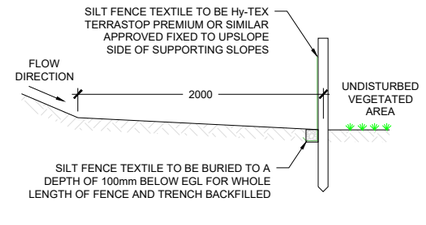
F2 402 ELEVATION OF SILT FENCE AT DRAINAGE CHANNEL
SCALE 1:50



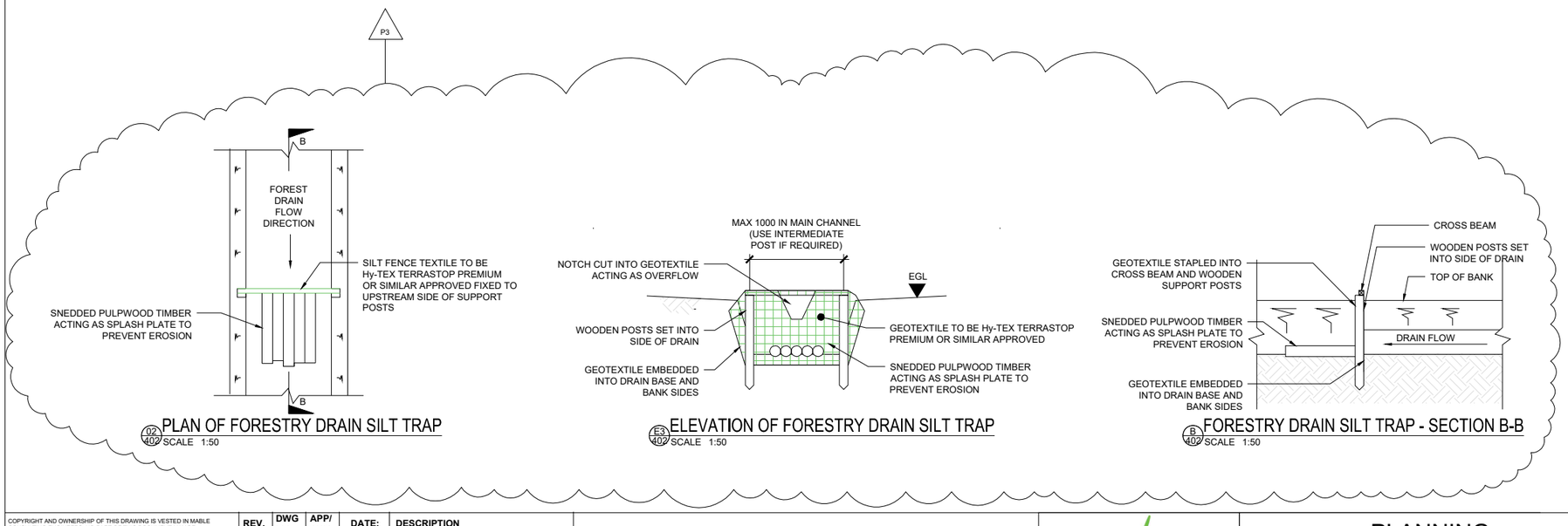
01 402 PLAN OF SILT FENCE
SCALE 1:100



A 402 SECTION A-A (OPTION 1)
SCALE 1:50



A 402 SECTION A-A (OPTION 2)
SCALE 1:50



02 402 PLAN OF FORESTRY DRAIN SILT TRAP
SCALE 1:50

E3 402 ELEVATION OF FORESTRY DRAIN SILT TRAP
SCALE 1:50

B 402 FORESTRY DRAIN SILT TRAP - SECTION B-B
SCALE 1:50



C 402 TYPICAL TERRASTOP SILT FENCE
SCALE 1:50

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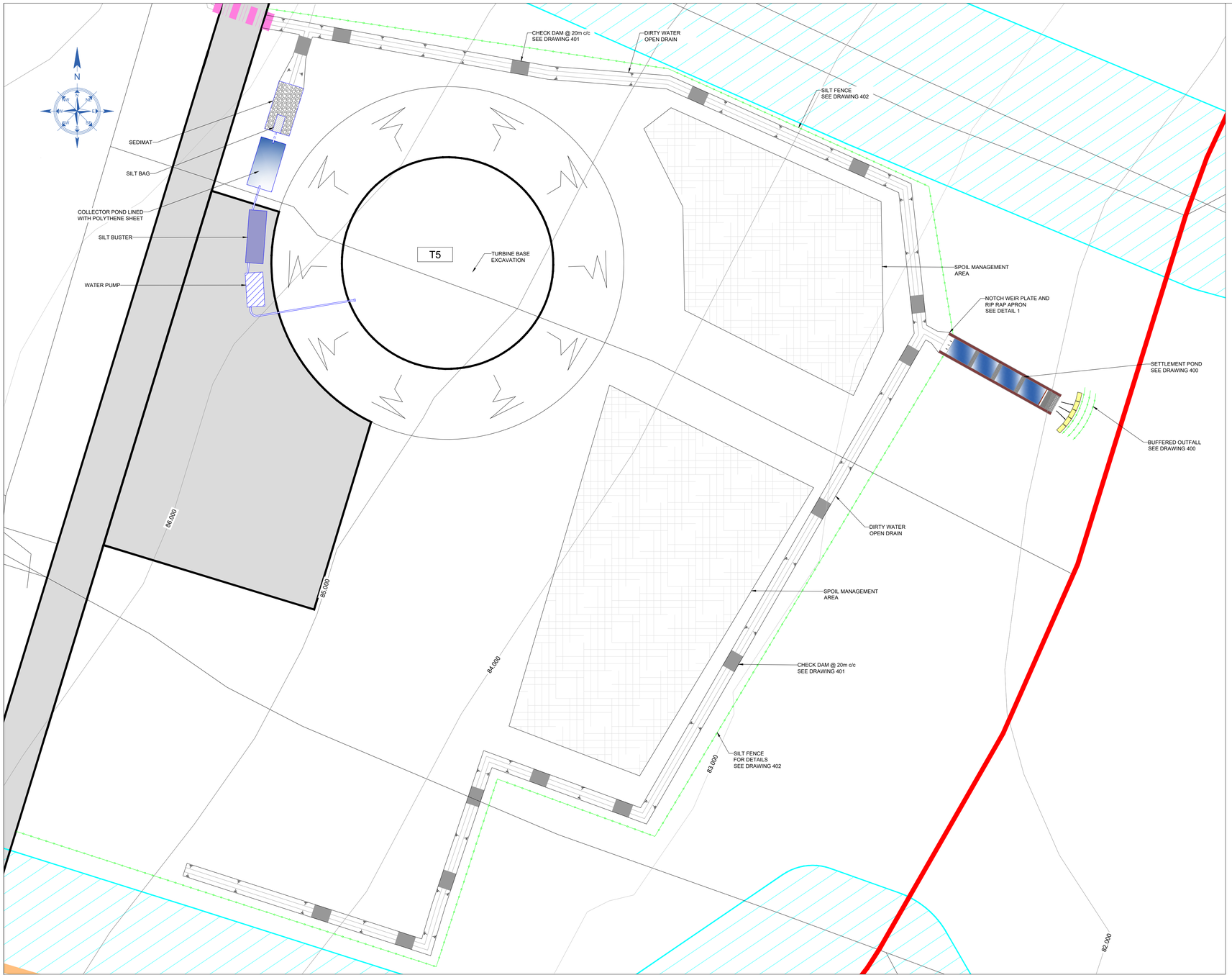
REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P3	ER	BMG	12/03/26	FORESTRY DRAIN SILT TRAP DETAILS ADDED

BALLYFEENY Green Energy

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Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT: BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	VC	SCALE: AS SHOWN @ A3		
	DATE:	09/10/2024	JOB NO.	DRG. NO.	REV.
JOB TITLE: BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	402	P3
DRG. TITLE: DRAINAGE DETAILS 3 OF 5	CHK. BY:	ER			
	APP. BY:	BMG			



RECEIVED: 05/06/2026

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3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.

MAP INFORMATION:

1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

LEGEND:

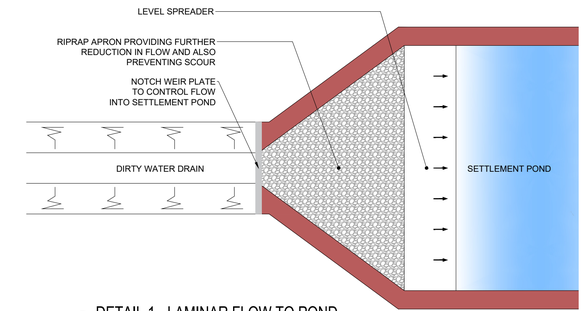
- RED LINE BOUNDARY
- PROPOSED EXCAVATED ACCESS TRACK AND HARDSTAND AREA
- TEMPORARY ACCESS TRACK/ WIDENING FOR ABNORMAL LOADS. TEMPORARY TRACK TO BE GRUBBED UP AND GROUND REINSTATED ON COMPLETION OF FINAL DELIVERY.
- SPOIL MANAGEMENT AREA
- XXm — PROPOSED GROUND LEVEL
- XXm — EXISTING GROUND LEVEL
- T(No.) — TURBINE No.

EXISTING DRAINAGE LEGEND:

- EXISTING WATERCOURSE
- EXISTING LAND DRAIN
- EXISTING LAND DRAIN DIVERSION
- WATER COURSE & LAND DRAIN BUFFER ZONE

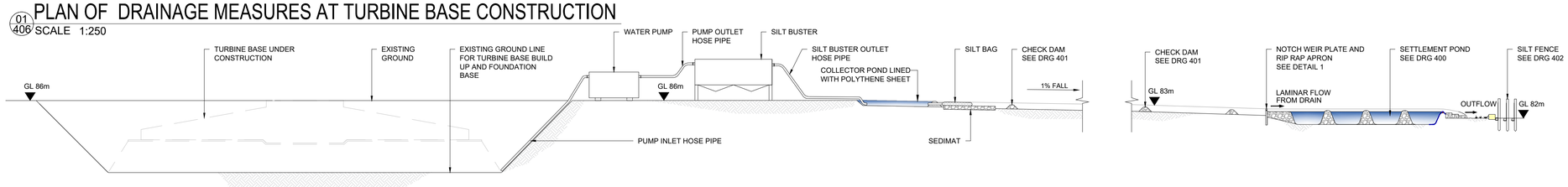
PROPOSED DRAINAGE LEGEND:

- TRACKSIDE DRAINAGE BERM
- PROPOSED CULVERT/ PIPED DRAIN



D1 406 DETAIL 1 - LAMINAR FLOW TO POND
SCALE 1:50

01 406 PLAN OF DRAINAGE MEASURES AT TURBINE BASE CONSTRUCTION
SCALE 1:250



02 406 LONGITUDINAL SECTION OF DRAINAGE MEASURES AT TURBINE BASE CONSTRUCTION
SCALE 1:200

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P2	TS	BMG	12/03/26	DETAIL 1 UPDATED.
P3	MM	ER	18/03/26	TITLE BLOCK TEXT UPDATED

BALLYFEENY Green Energy

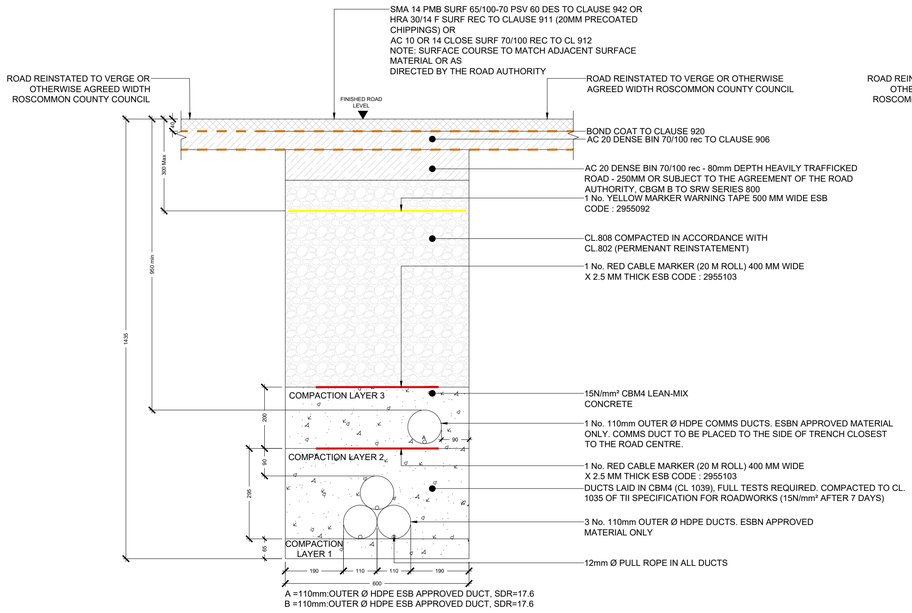
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Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

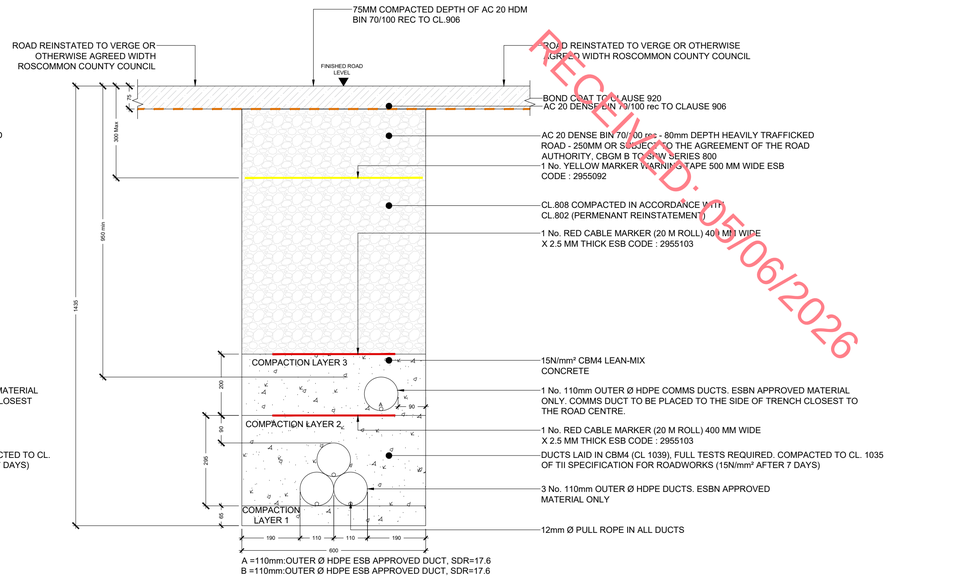
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JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	BMG	23604	406	P3
DRG. TITLE:	DRAINAGE MEASURES AT TURBINE BASE CONSTRUCTION	CHK. BY:	ER			
		APP. BY:	BMG			

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2. ALL LEVELS ARE TO (OSI) ORDINANCE MALIN HEAD VERTICAL DATUM IN METRES.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.
4. USE FIGURED DIMENSIONS ONLY - DO NOT SCALE.

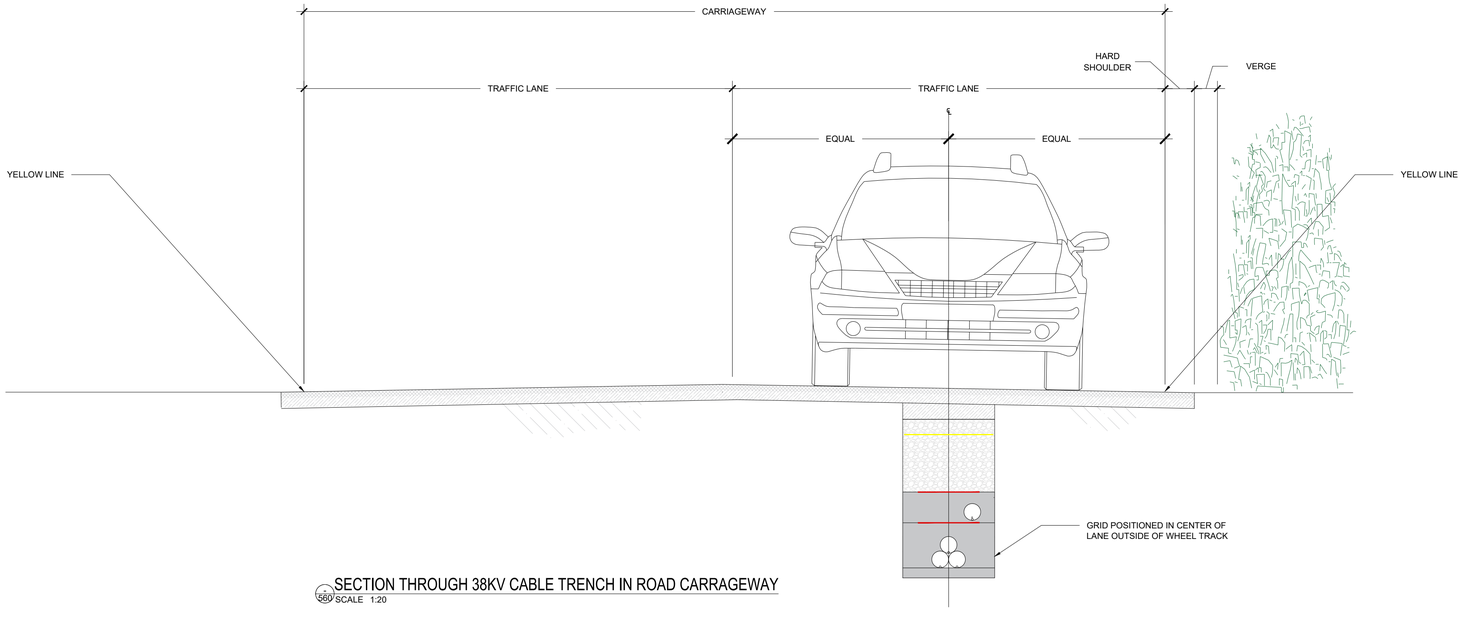
RECEIVED: 05/06/2026



SECTION THROUGH PERMANENT REINSTATEMENT OF LONGITUDINAL OPENING IN ROADWAY
560 SCALE 1:10



SECTION THROUGH PERMANENT REINSTATEMENT OF LONGITUDINAL OPENING IN SURFACE DRESSED RURAL UNBOUND ROADWAY
560 SCALE 1:10



SECTION THROUGH 38KV CABLE TRENCH IN ROAD CARRAGEWAY
560 SCALE 1:20

Road Surveying Notes
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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P5	ER	BMG	25/05/26	DRAWING UPDATED FOLLOWING COMMENTS

BALLYFEENY Green Energy

PLANNING

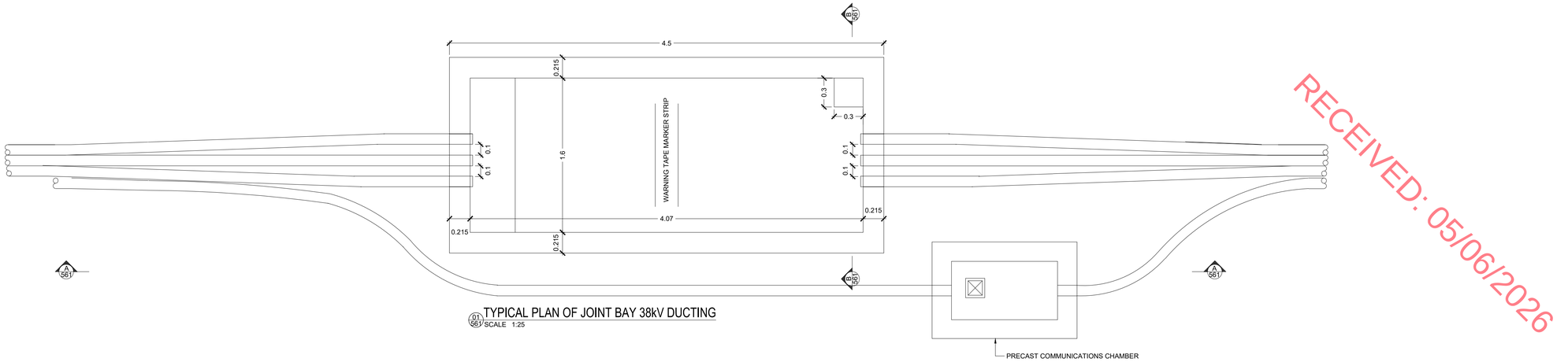
Mable Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	VC	SCALE:	1:10 & 20 @ A1	
		DATE:	09/10/2024	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	560	P5
DRG. TITLE:	38kV CABLE TRENCH DETAILS THROUGH PUBLIC ROAD	CHK. BY:	BMG			
		APP. BY:	BMG			

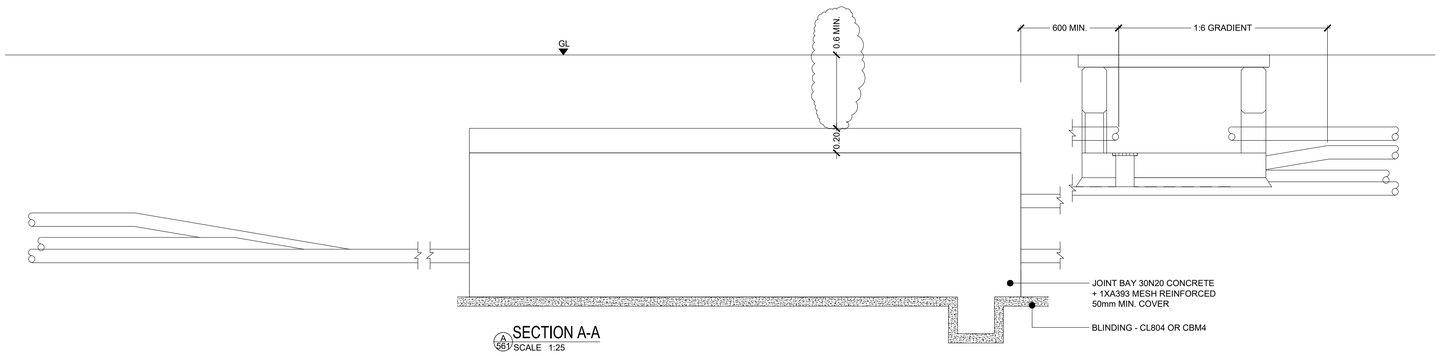
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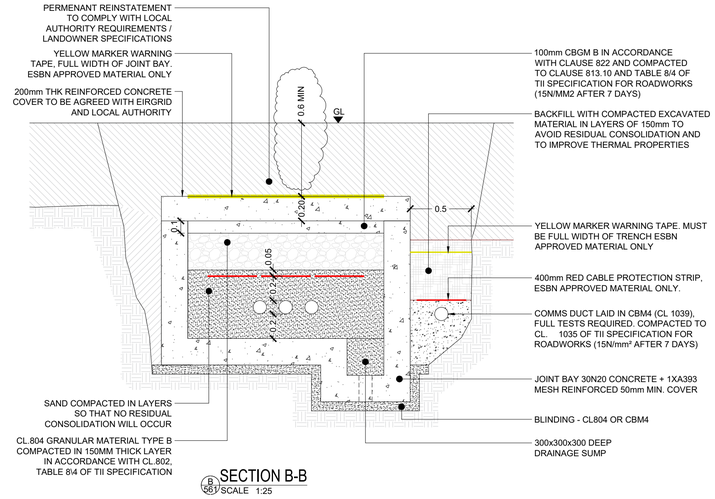


01 561 TYPICAL PLAN OF JOINT BAY 38kV DUCTING
SCALE 1:25

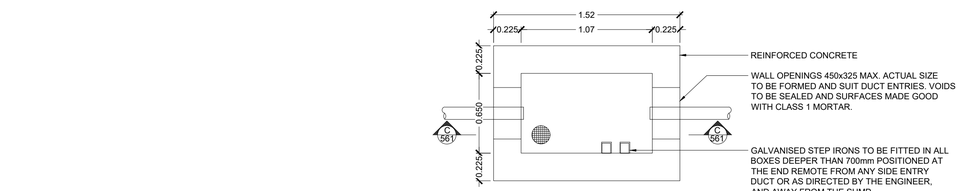
NOTES:
- THIS DRAWING IS SUBJECT TO ESB APPROVAL AND SHOULD BE USED FOR PLANNING PURPOSES ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS, SPECIFICATIONS AND REPORTS
- DIMENSIONS ARE IN METRES, UNLESS NOTED OTHERWISE
- DRAWINGS ARE NOT TO BE SCALED USE FIGURED DIMENSIONS ONLY
- SUITABILITY OF STANDARD JOINT BAY FOUNDATIONS CAN ONLY BE CONFIRMED FOLLOWING GROUND INVESTIGATION. STANDARD FOUNDATIONS ARE BASED ON THE FORMATION AT THE BASE OF THE EXCAVATION SHOWN BEING SUITABLE FOR A MINIMUM BEARING PRESSURE OF 100kN/m2. WHERE THIS IS NOT ACHIEVABLE AND WHERE PEAT IS ENCOUNTERED , THE CONTRACTOR SHALL REFER TO THE ENGINEER FOR GUIDANCE.



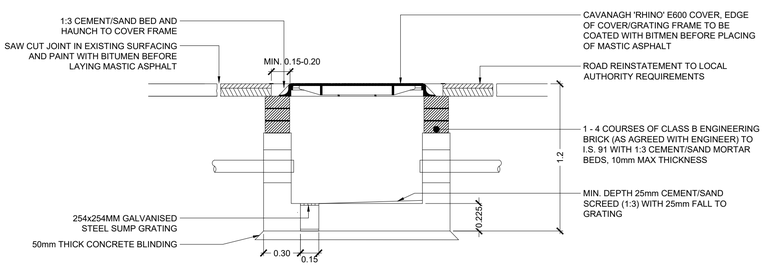
A 561 SECTION A-A
SCALE 1:25



B 561 SECTION B-B
SCALE 1:25



02 561 TYPICAL PLAN OF PRECAST COMMUNICATIONS CHAMBER
SCALE 1:25



C 561 SECTION C-C
SCALE 1:25

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P5	ER	BMG	25/05/26	DRAWING UPDATED FOLLOWING COMMENTS

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	VC	SCALE: 1:25 @ A1	
		DATE:	09/10/2024	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	561	P5
DRG. TITLE:	38KV SINGLE CIRCUIT JOINT BAY & COMMUNICATIONS CHAMBER DETAILS	CHK. BY:	BMG			
		APP. BY:	BMG			

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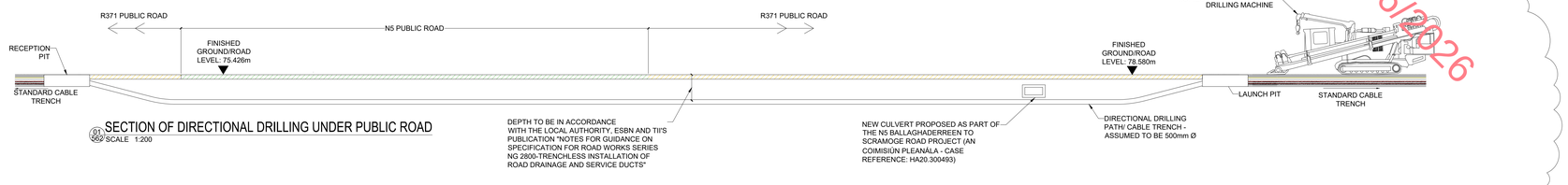
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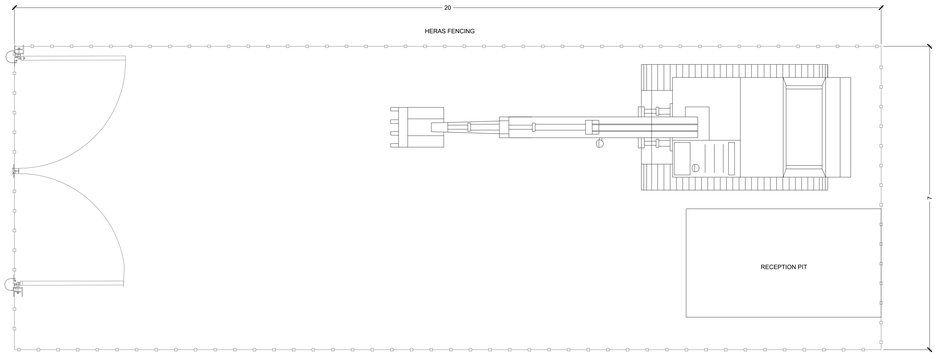
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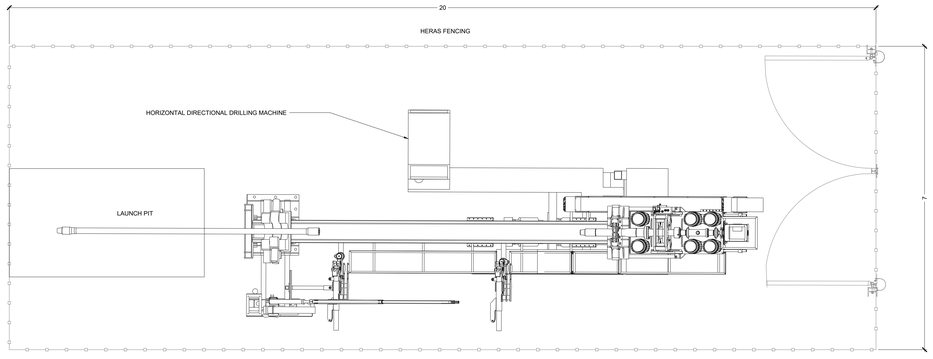
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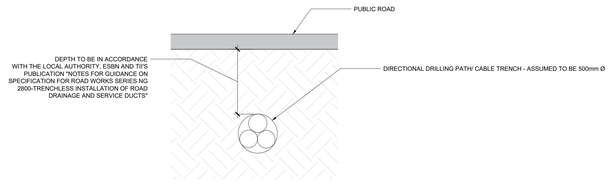
SECTION OF DIRECTIONAL DRILLING UNDER PUBLIC ROAD
SCALE 1:200



DIRECTIONAL DRILLING RECEPTION COMPOUND
SCALE 1:50



DIRECTIONAL DRILLING LAUNCH COMPOUND
SCALE 1:50



DIRECTIONAL DRILLING ROAD CROSSING DETAIL - CROSS SECTION
SCALE 1:50

NOTES:

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P4	MM	BMG	08/04/26	N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT CULVERT ADDED. HDD LAYOUT UPDATED.

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
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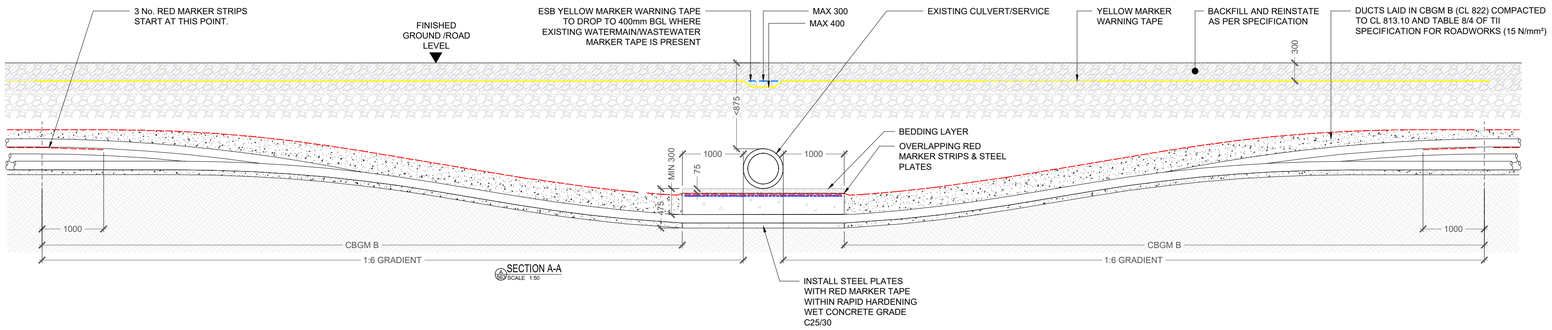
APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	HORIZONTAL DIRECTIONAL DRILLING DETAILS

DRAWN:	VC
DATE:	24/09/24
DES. BY:	ER
CHK. BY:	BMG
APP. BY:	BMG

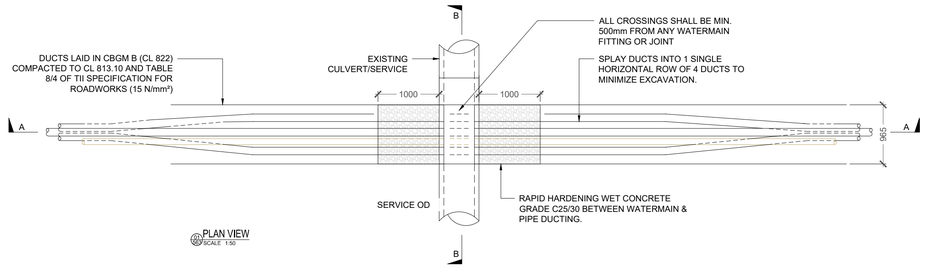
SCALE: AS SHOWN @ A0		
JOB NO.	DRG. NO.	REV.
23604	562	P4

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SECTION A-A
SCALE 1:50



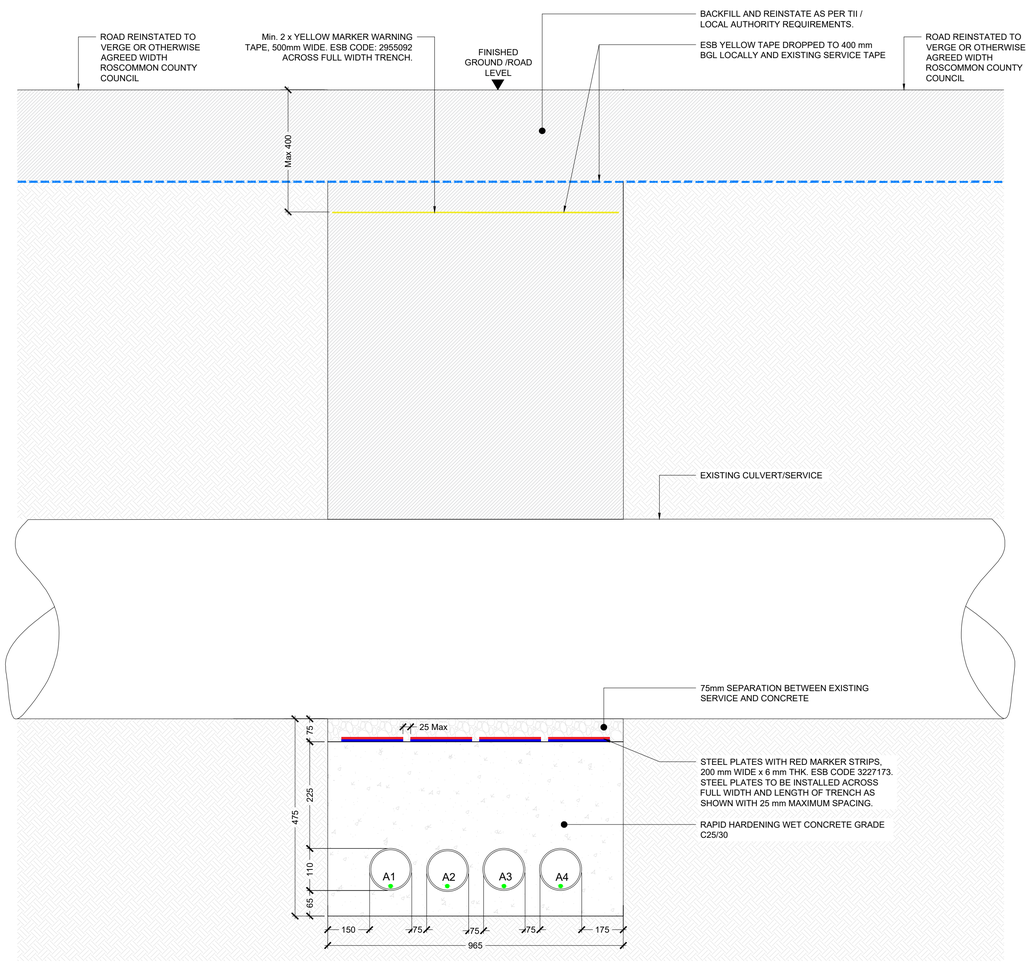
PLAN VIEW
SCALE 1:50

P4

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SECTION B-B
SCALE 1:10

A = 110mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P4	MM	BMG	10/04/26	ROAD SURVEY AND WORKS TO PUBLIC ROAD NOTES ADDED

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	38KV SERVICE/CULVERT UNDER CROSSING DETAIL

DRAWN:	VC	SCALE: AS SHOWN @ A1		
DATE:	09/10/2024	JOB NO.	DRG. NO.	REV.
DES. BY:	ER	23604	563	P4
CHK. BY:	BMG			
APP. BY:	BMG			

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P3

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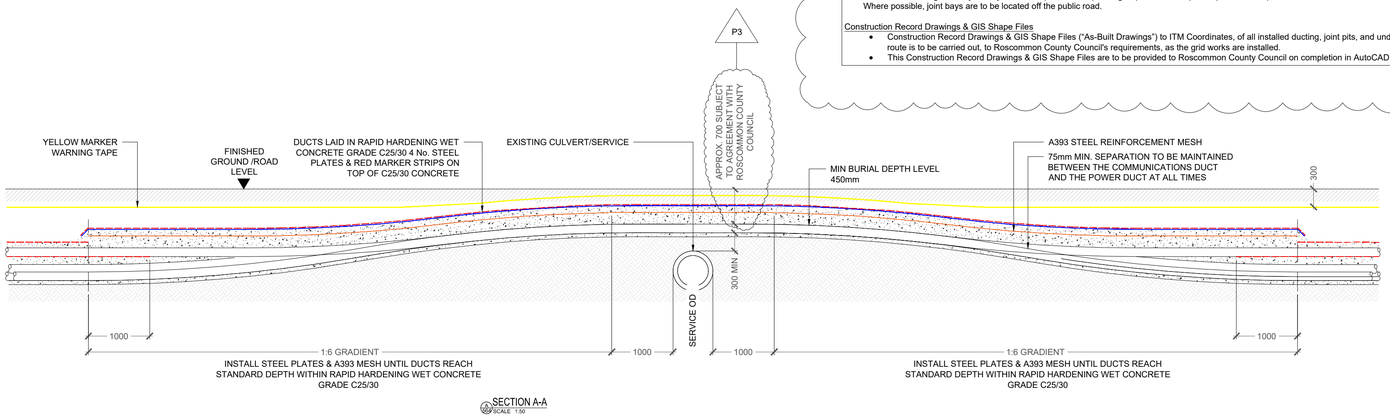
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Works To Public Road Notes
Prior to Construction:

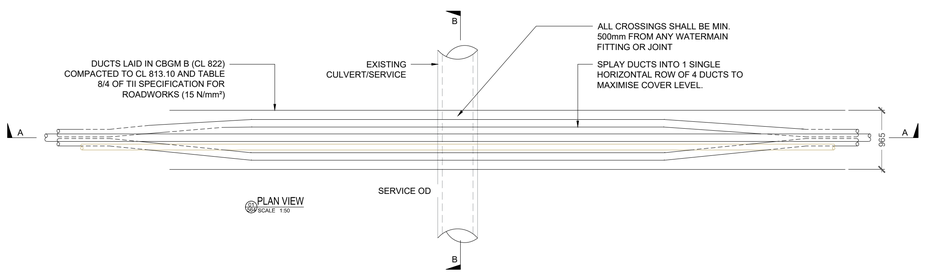
1. Full carriageway reinstatement is to be carried out on public roads affected by the works.
   - Reinstatement works are to be carried out in accordance with the Guidelines for Managing Openings in Public Roads - Guidelines for the Opening, Backfilling and Reinstatement of Openings in Public Roads, the DoT and RMO Interim Guidance, Transport Infrastructure Ireland (TII) specifications, and the requirements of Roscommon County Council.
2. Road reinstatement works incorporating the GPR and other survey outputs are to be submitted to Roscommon County Council for their agreement.
   - Details of the wearing course and sub-courses make-up are to be detailed on a separate set of appropriately scaled and annotated drawings and submitted to Roscommon County Council for their agreement.
3. Where works impact existing utilities, consent for the work is to be obtained from the relevant utility providers in advance of construction.
4. HV Ducting to be installed with a cover depth of 950mm as per the DoT and RMO publication - 'Interim Guidance to Road Authorities Regarding the Proposed Placement of Medium or High Voltage Electricity Assets, Including Ducts, Cables, and Associated Infrastructure Under Public Roads'.
   - Where it is proposed to use a depth less than the above, for example at a service crossing where an undercrossing is less practicable; the minimum cover depth may be reduced but only in consultation and agreement with Roscommon County Council on a case-by-case basis.
5. Detailed drawings of the grid connection route incorporating survey results are to be prepared and submitted to Roscommon County Council in advance of construction works.
   - These drawings are to include mitigation details on existing services impacted by the works.
6. The structural design of the joint bays is to incorporate waterproofing requirements as per TII publication 'Specification for Road Works Series 2000 - Waterproofing for Concrete Structures'. Where possible, joint bays are to be located off the public road.

Construction Record Drawings & GIS Shape Files

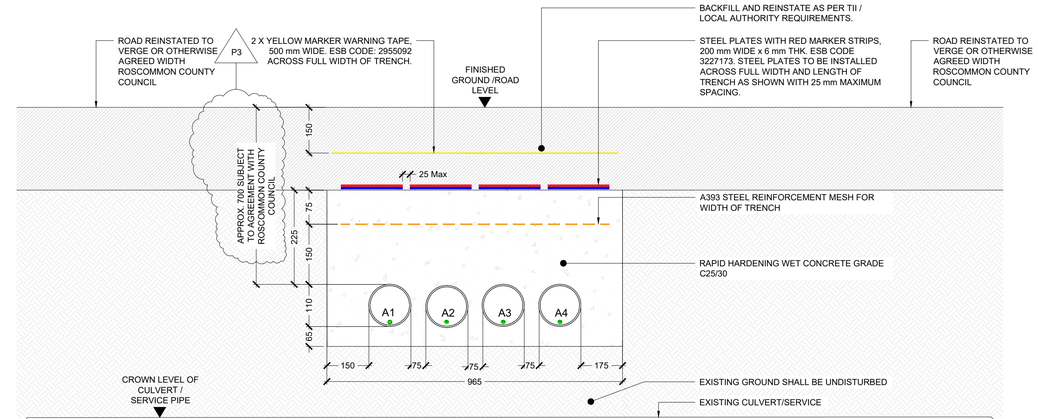
- Construction Record Drawings & GIS Shape Files ("As-Built Drawings") to ITM Coordinates, of all installed ducting, joint pits, and underground ancillary equipment or pits along the grid route is to be carried out, to Roscommon County Council's requirements, as the grid works are installed.
- This Construction Record Drawings & GIS Shape Files are to be provided to Roscommon County Council on completion in AutoCAD and GIS Shape File format.



SECTION A-A
SCALE 1:50



PLAN VIEW
SCALE 1:50



SECTION B-B
SCALE 1:10

ALL EXISTING SERVICES WITH COVER LESS THAN MIN. DIMENSIONS ABOVE SHALL BE CROSSED BY UNDERCROSSING METHOD

A = 110mm OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6

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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION
P3	MM	BMG	10/04/26	ROAD SURVEY AND WORKS TO PUBLIC ROAD NOTES ADDED

BALLYFEENY Green Energy

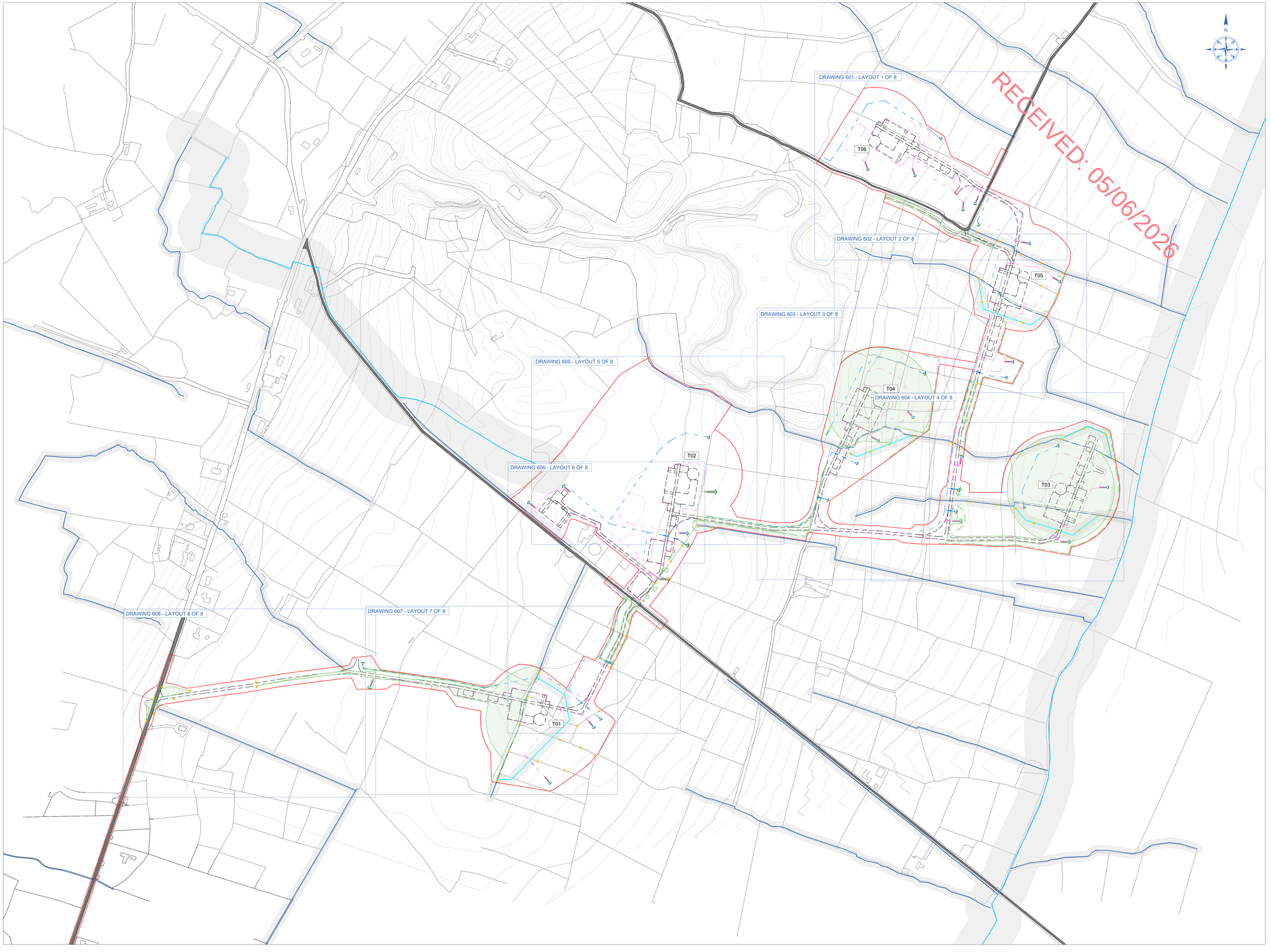
PLANNING

Mable Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	38KV SERVICE/CULVERT ABOVE CROSSING DETAIL

DRAWN:	VC	SCALE: AS SHOWN @ A1			
DATE:	22/08/2025	JOB NO.	DRG. NO.	REV.	
DES. BY:	ER	23604	564	P3	
CHK. BY:	BMG				
APP. BY:	BMG				



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1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

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- PROPOSED SPOIL MANAGEMENT AREA SHOWN DASHED
- HEDGE AND TREE REMOVAL ZONE
- XXm — EXISTING GROUND LEVEL

EXISTING DRAINAGE LEGEND:

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- EXISTING LAND DRAIN
- EXISTING LAND DRAIN TO BE DIVERTED
- EXISTING LAND DRAIN DIVERSION
- WATER COURSE & LAND DRAIN EXCLUSION ZONE

DRAINAGE MEASURES LEGEND:

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- CLEAN WATER PIPED DRAIN
- DIRTY WATER OPEN DRAIN WITH SILT FENCING AND CHECK DAMS
- DIRTY WATER PIPED DRAIN
- BUFFERED OUTFALL SEE DRAWING 23604-401
- SETTLEMENT POND SEE DRAWING 23604-400
- PROPOSED CULVERT/ PIPED DRAIN
- SILT FENCE SEE DRAWING 23604-402
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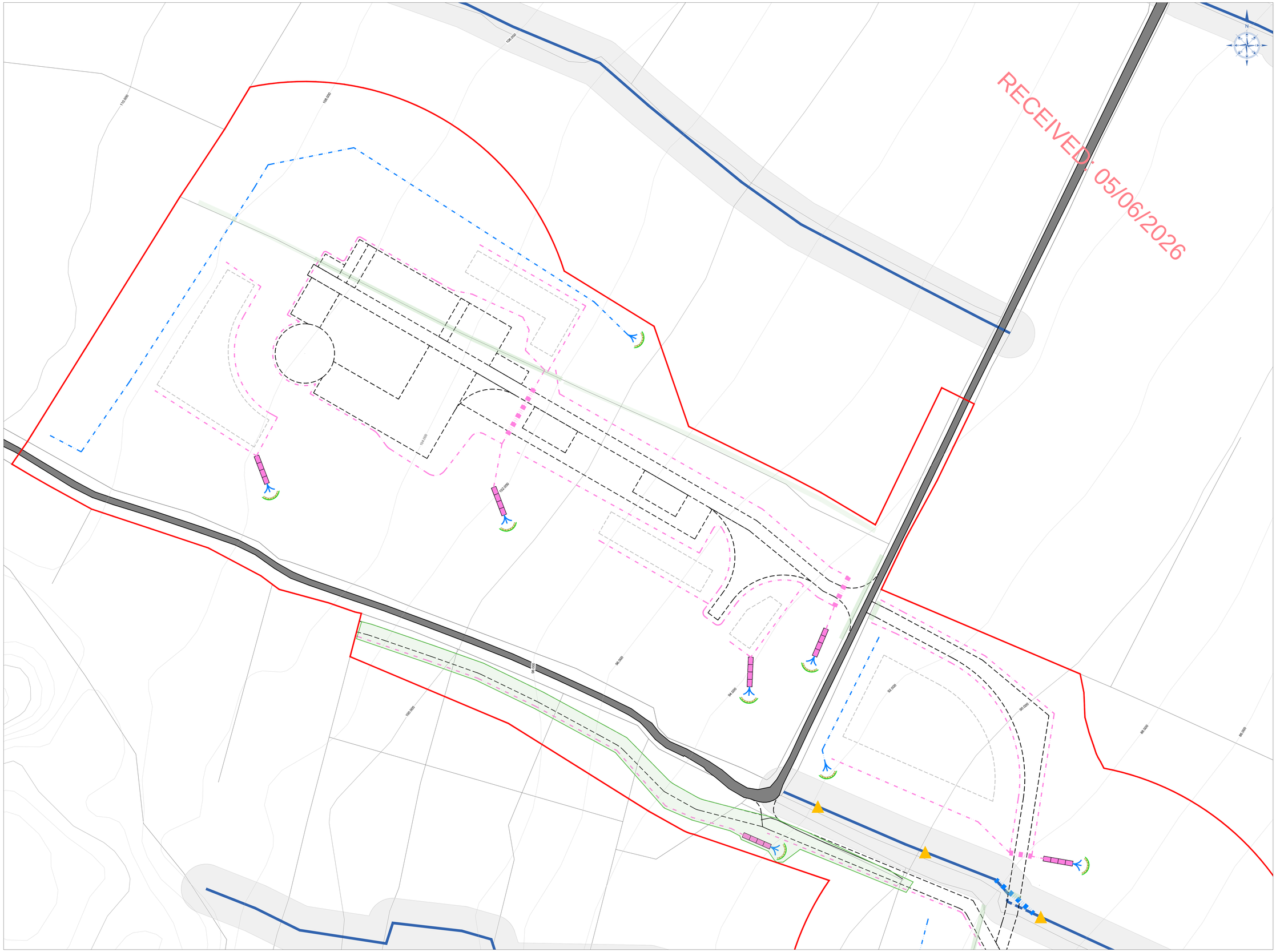
REV:	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT: BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE: 1:2500 @ A0		
	DATE:	11/03/2026	JOB NO.:	DRG. NO.	REV.
JOB TITLE: BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	600	P1
DRG. TITLE: ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE KEY PLAN	CHK. BY:	BMG			
	APP. BY:	BMG			



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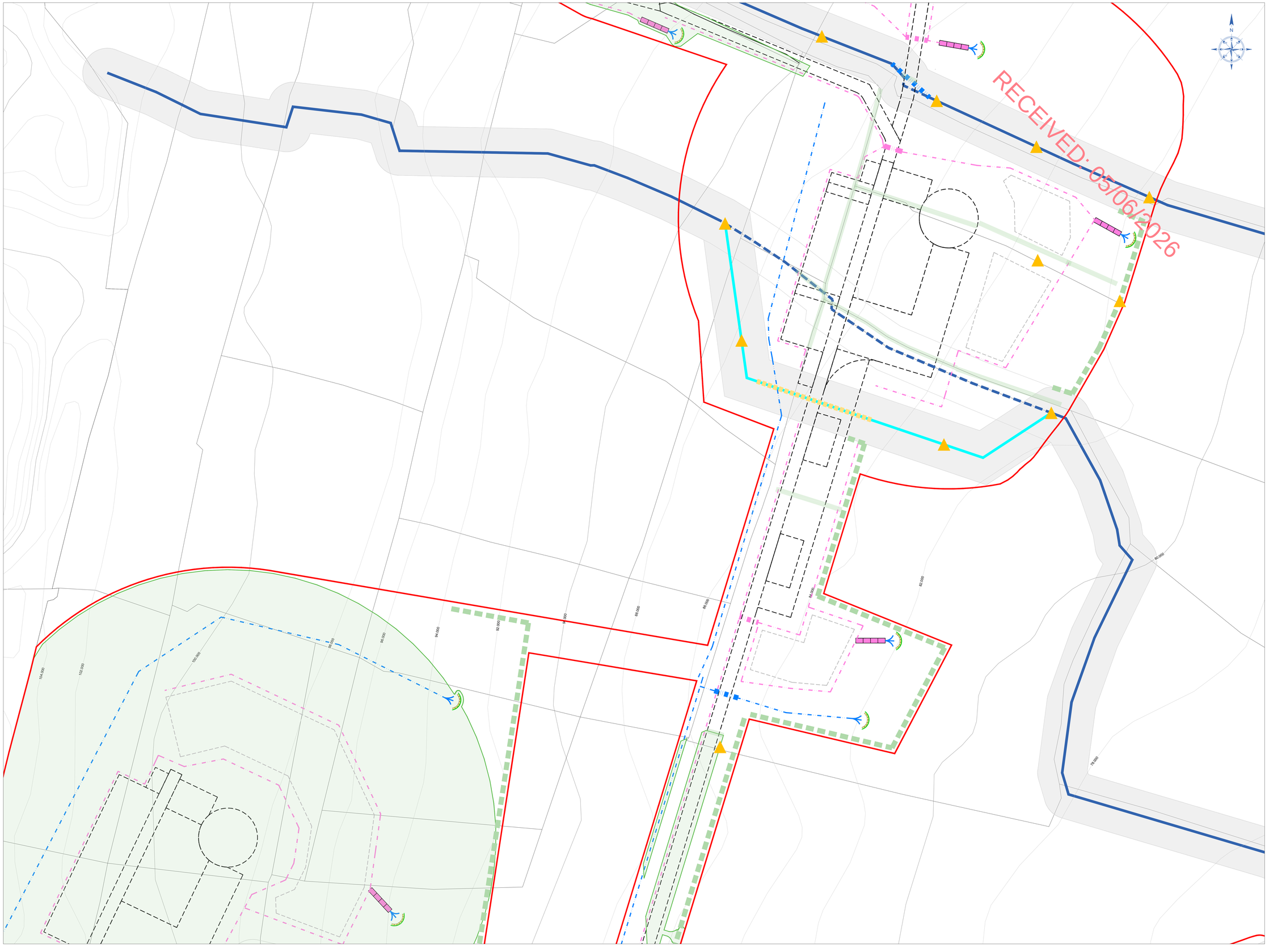
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BALLYFEENY Green Energy

PLANNING

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Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE: 1:500 @ A0	
		DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	601	P1
		CHK. BY:	BMG			
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 1 OF 8	APP. BY:	BMG			



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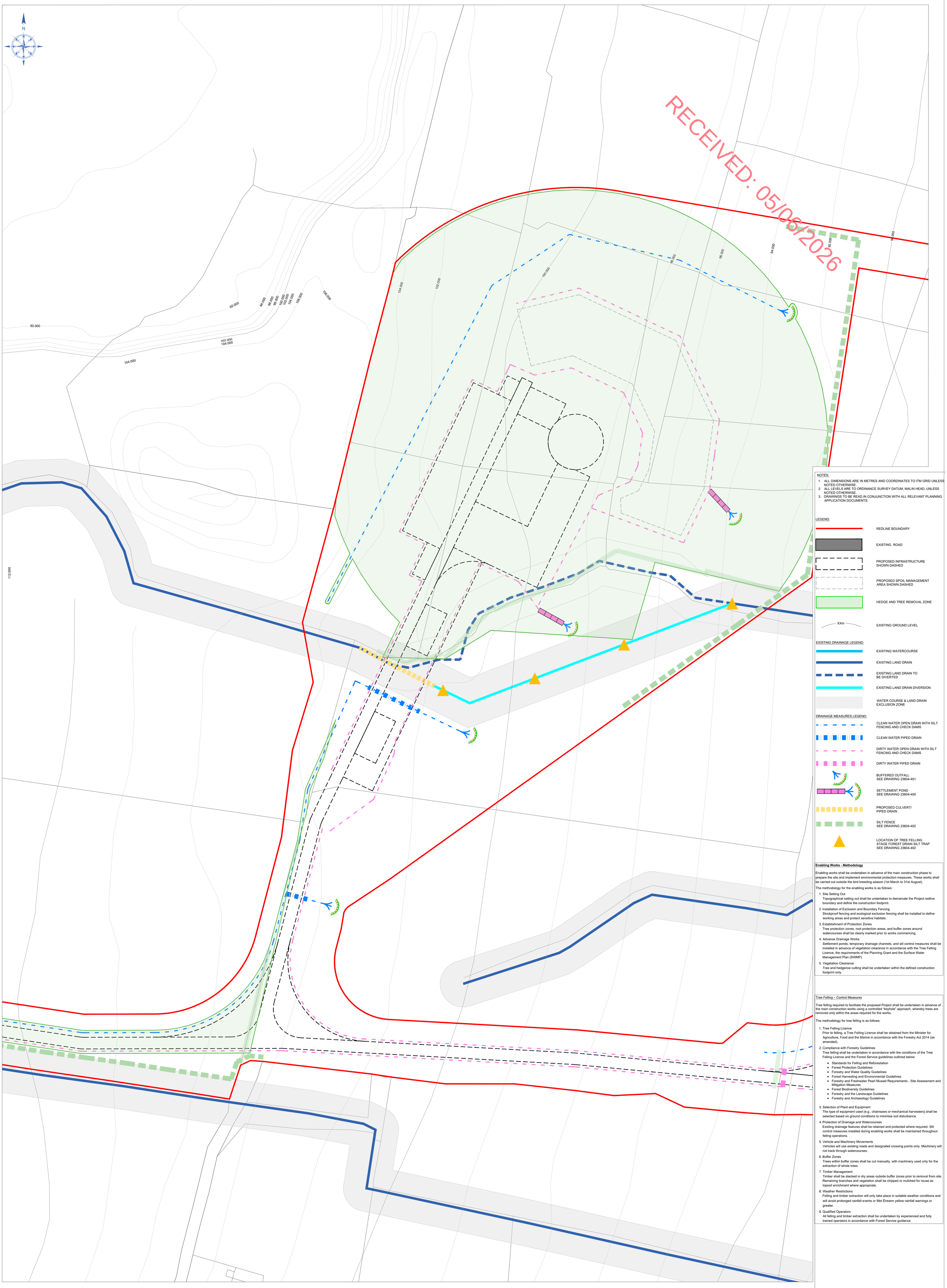
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		DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	602	P1
		CHK. BY:	BMG			
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 2 OF 8	APP. BY:	BMG			



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9. Qualified Operators
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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

BALLYFEENY Green Energy

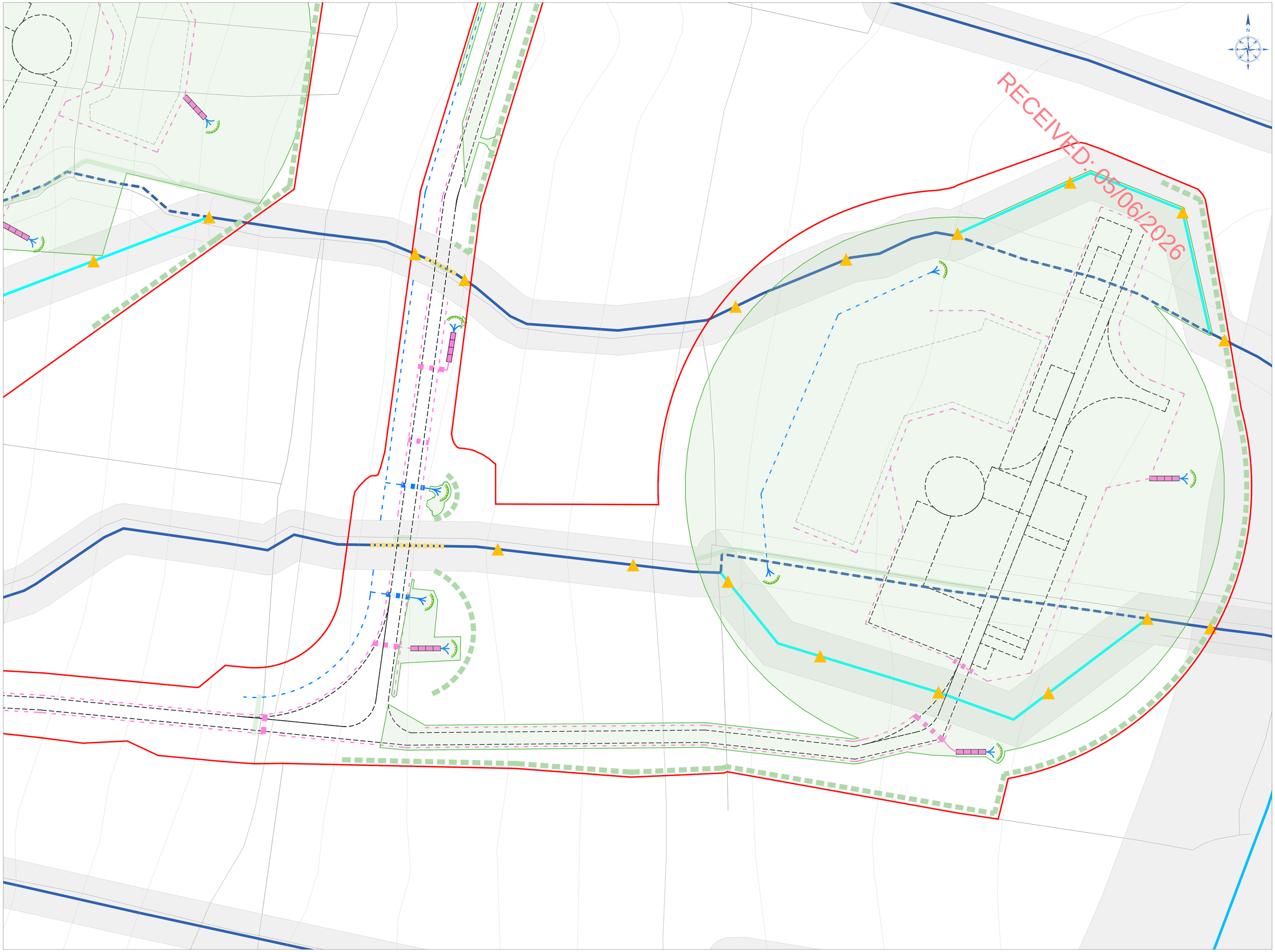
PLANNING

Mable Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 3 OF 8

DRAWN:	MM	SCALE: 1:500 @ A0		
DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
DES. BY:	ER	23604	603	P1
CHK. BY:	BMG			
APP. BY:	BMG			



NOTES:
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3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.

MAP INFORMATION:
1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

LEGEND:

- REDLINE BOUNDARY
- EXISTING ROAD
- PROPOSED INFRASTRUCTURE SHOWN DASHED
- PROPOSED SPOIL MANAGEMENT AREA SHOWN DASHED
- HEDGE AND TREE REMOVAL ZONE
- XXm — EXISTING GROUND LEVEL

EXISTING DRAINAGE LEGEND:

- EXISTING WATERCOURSE
- EXISTING LAND DRAIN
- EXISTING LAND DRAIN TO BE DIVERTED
- EXISTING LAND DRAIN DIVERSION
- WATER COURSE & LAND DRAIN EXCLUSION ZONE

DRAINAGE MEASURES LEGEND:

- CLEAN WATER OPEN DRAIN WITH SILT FENCING AND CHECK DAMS
- CLEAN WATER PIPED DRAIN
- DIRTY WATER OPEN DRAIN WITH SILT FENCING AND CHECK DAMS
- DIRTY WATER PIPED DRAIN
- BUFFERED OUTFALL SEE DRAWING 23604-401
- SETTLEMENT POND SEE DRAWING 23604-400
- PROPOSED CULVERT/ PIPED DRAIN
- SILT FENCE SEE DRAWING 23604-402
- LOCATION OF TREE FELLING STAGE FOREST DRAIN SILT TRAP SEE DRAWING 23604-402

Enabling Works - Methodology

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   Tree and hedgerow cutting shall be undertaken within the defined construction footprint only.

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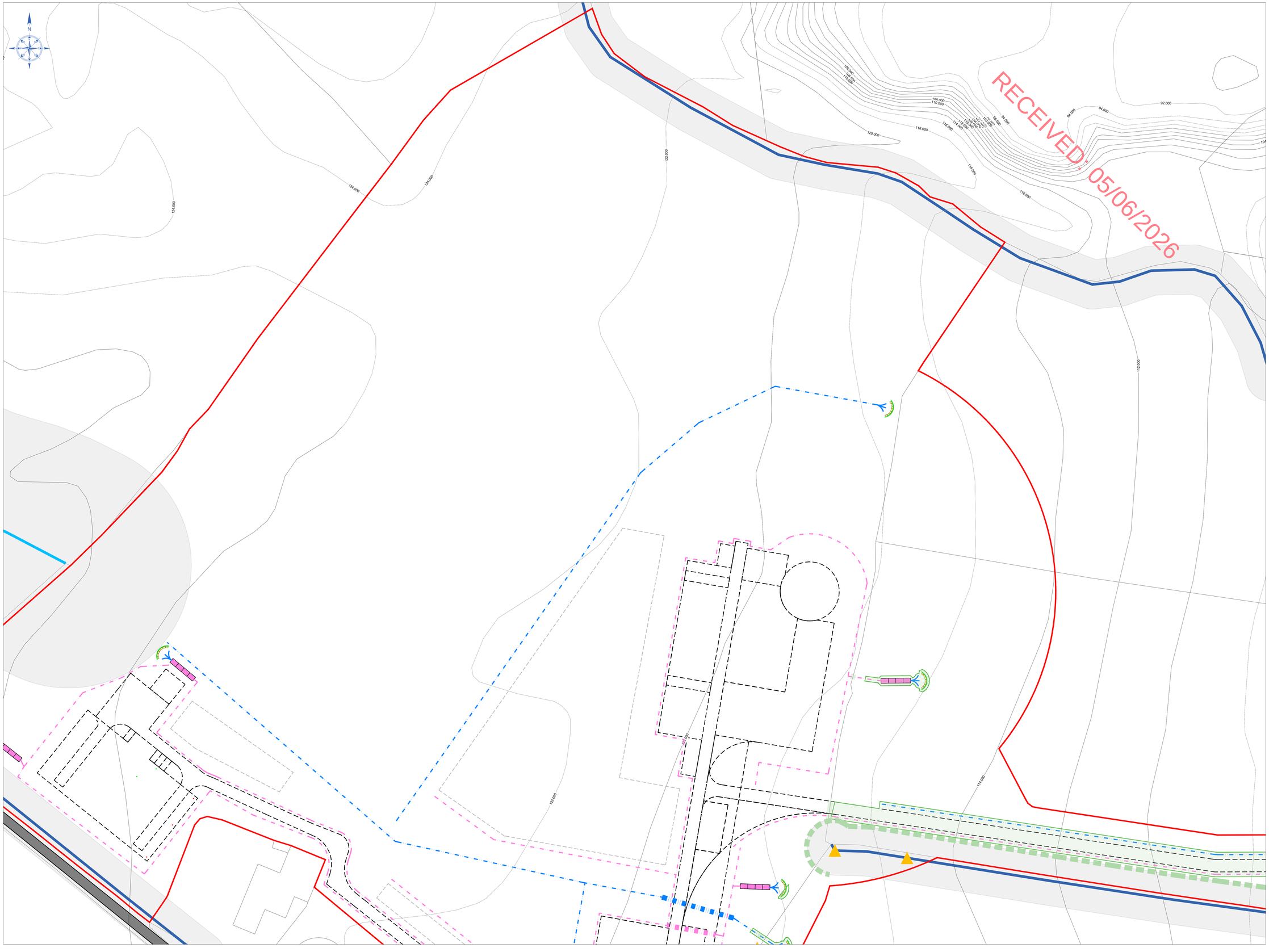
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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

PLANNING

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Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE:	1:500 @ A0
		DATE:	11/03/2026	JOB NO.	23604
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	DRG. NO.	604
		CHK. BY:	BMG	REV.	P1
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 4 OF 8	APP. BY:	BMG		



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MAP INFORMATION:

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- SETTLEMENT POND SEE DRAWING 23604-400
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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

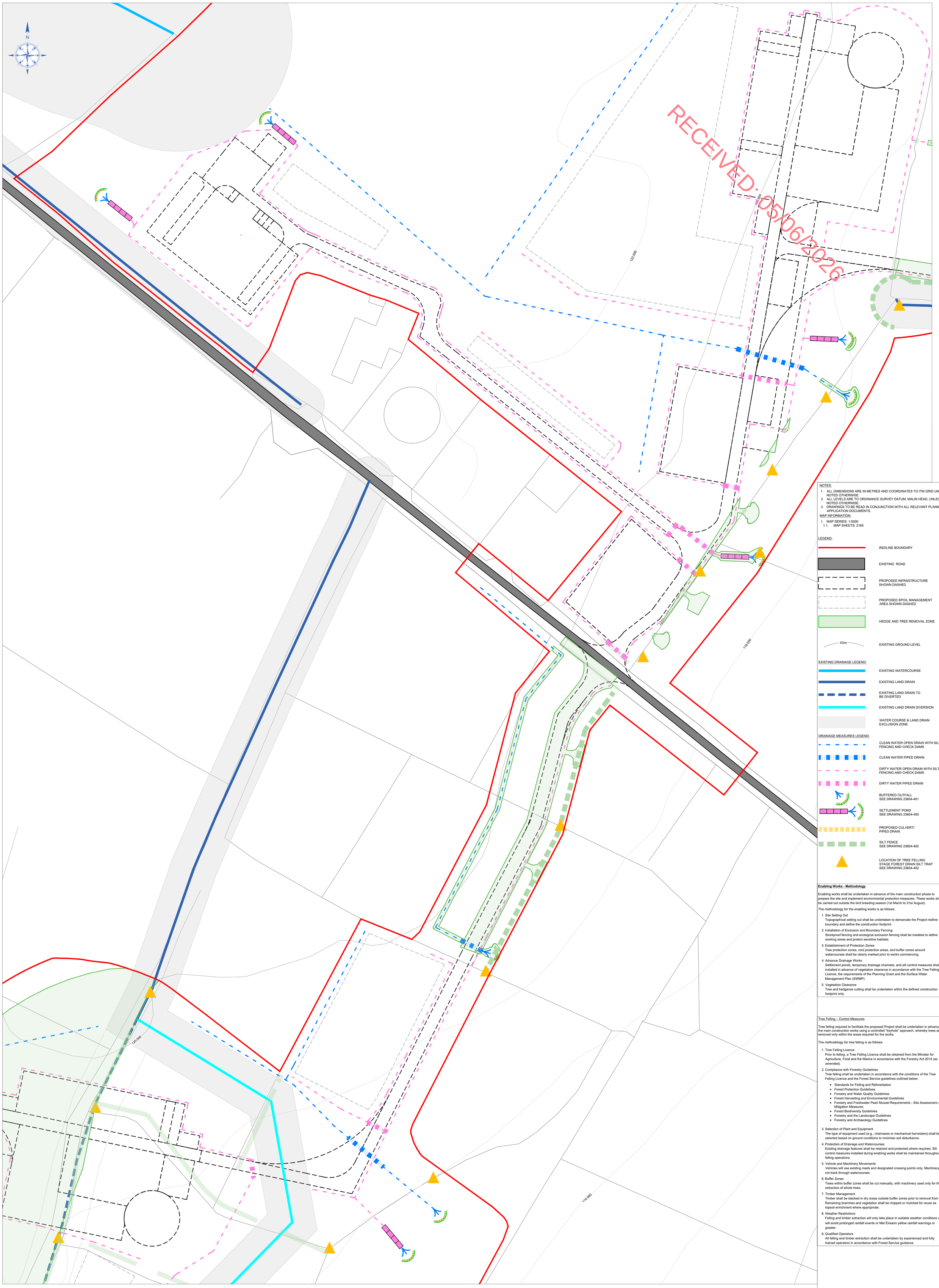
BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers

Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
Email: info@mable.ie
Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE:	1:500 @ A0
		DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	605	P1
		CHK. BY:	BMG		
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 5 OF 8	APP. BY:	BMG		



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MAP INFORMATION:

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   1.1. MAP SHEETS: 2165

LEGEND:

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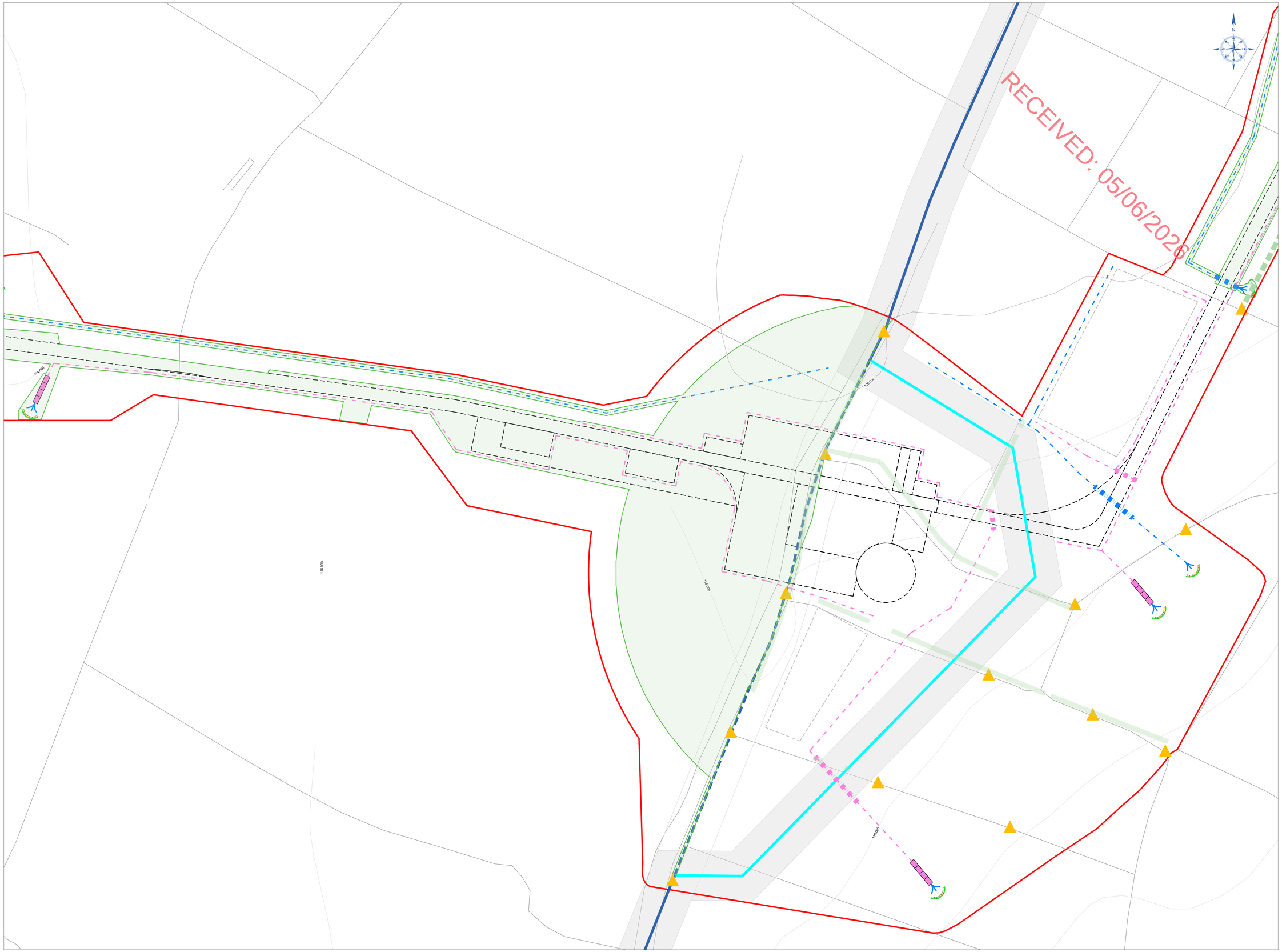
REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

BALLYFEENY Green Energy

PLANNING

Mable Consulting Engineers
Mable Consulting Engineers, 30 Drumcondra Road Upper, Drumcondra, Dublin 9
Tel: +353(01) 216 2956
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Website: www.mable.ie

APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE: 1:500 @ A0	
		DATE:	11/03/2026	JOB NO.	DRG. NO. REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	606 P1
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 6 OF 8	CHK. BY:	BMG		
		APP. BY:	BMG		



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MAP INFORMATION:
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REV.	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

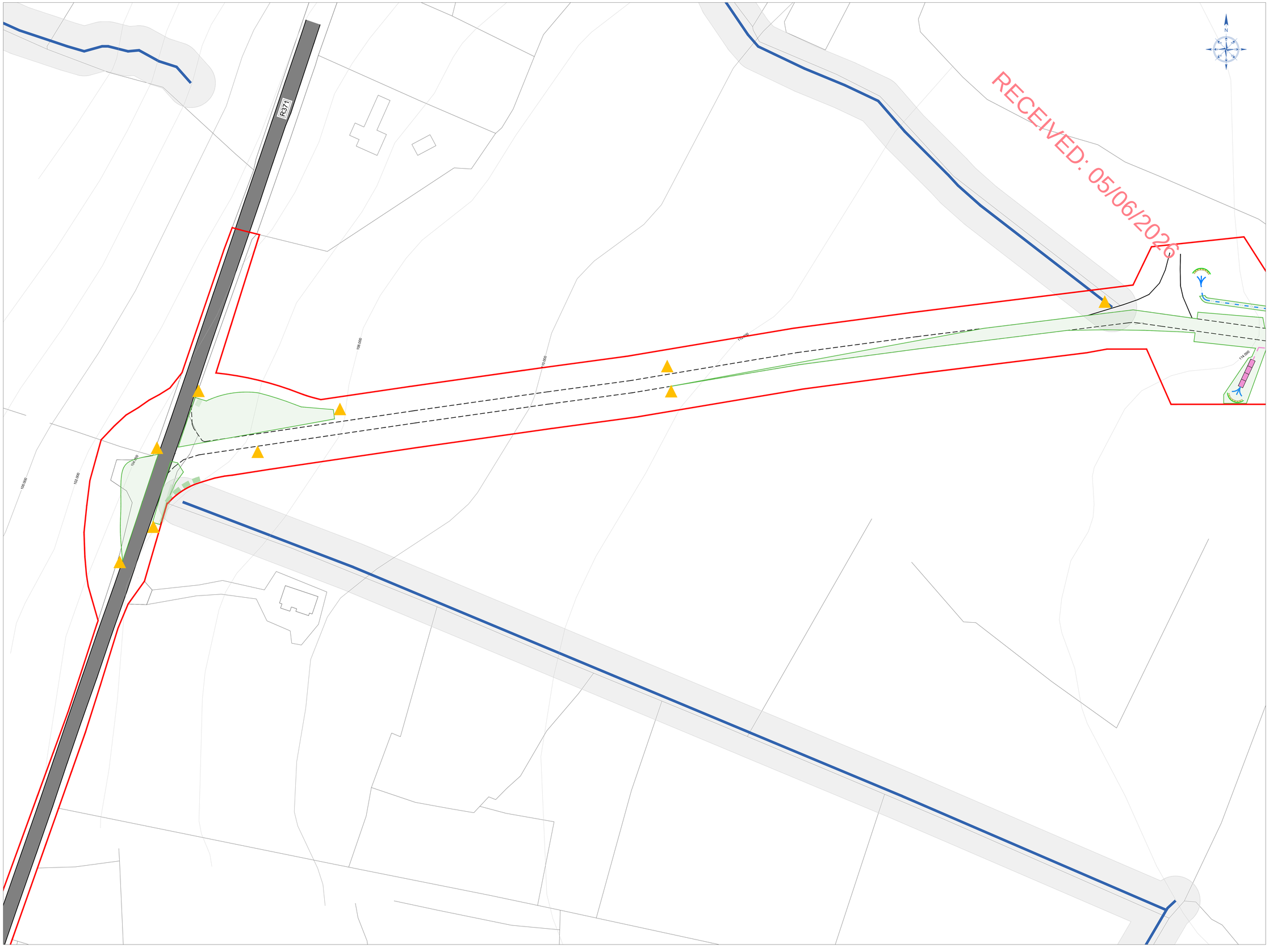
BALLYFEENY Green Energy

PLANNING

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APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE: 1:500 @ A0	
		DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	607	P1
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE 7 OF 8	CHK. BY:	BMG			
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2. ALL LEVELS ARE TO ORDINANCE SURVEY DATUM, MALIN HEAD, UNLESS NOTED OTHERWISE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PLANNING APPLICATION DOCUMENTS.

MAP INFORMATION:

1. MAP SERIES: 1:5000
   1.1. MAP SHEETS: 2165

LEGEND:

- REDLINE BOUNDARY
- EXISTING ROAD
- PROPOSED INFRASTRUCTURE SHOWN DASHED
- PROPOSED SPOIL MANAGEMENT AREA SHOWN DASHED
- HEDGE AND TREE REMOVAL ZONE
- XXm — EXISTING GROUND LEVEL

EXISTING DRAINAGE LEGEND:

- EXISTING WATERCOURSE
- EXISTING LAND DRAIN
- EXISTING LAND DRAIN TO BE DIVERTED
- EXISTING LAND DRAIN DIVERSION
- WATER COURSE & LAND DRAIN EXCLUSION ZONE

DRAINAGE MEASURES LEGEND:

- CLEAN WATER OPEN DRAIN WITH SILT FENCING AND CHECK DAMS
- CLEAN WATER PIPED DRAIN
- DIRTY WATER OPEN DRAIN WITH SILT FENCING AND CHECK DAMS
- DIRTY WATER PIPED DRAIN
- BUFFERED OUTFALL SEE DRAWING 23604-401
- SETTLEMENT POND SEE DRAWING 23604-400
- PROPOSED CULVERT/ PIPED DRAIN
- SILT FENCE SEE DRAWING 23604-402
- LOCATION OF TREE FELLING STAGE FOREST DRAIN SILT TRAP SEE DRAWING 23604-402

Enabling Works - Methodology

Enabling works shall be undertaken in advance of the main construction phase to prepare the site and implement environmental protection measures. These works shall be carried out outside the bird breeding season (1st March to 31st August).

The methodology for the enabling works is as follows:

1. Site Setting Out
   Topographical setting out shall be undertaken to demarcate the Project redline boundary and define the construction footprint.
2. Installation of Exclusion and Boundary Fencing
   Stockproof fencing and ecological exclusion fencing shall be installed to define working areas and protect sensitive habitats.
3. Establishment of Protection Zones
   Tree protection zones, root protection areas, and buffer zones around watercourses shall be clearly marked prior to works commencing.
4. Advance Drainage Works
   Settlement ponds, temporary drainage channels, and silt control measures shall be installed in advance of vegetation clearance in accordance with the Tree Felling Licence, the requirements of the Planning Grant and the Surface Water Management Plan (SWMP).
5. Vegetation Clearance
   Tree and hedgerow cutting shall be undertaken within the defined construction footprint only.

Tree Felling – Control Measures

Tree felling required to facilitate the proposed Project shall be undertaken in advance of the main construction works using a controlled "heyhole" approach, whereby trees are removed only within the areas required for the works.

The methodology for tree felling is as follows:

1. Tree Felling Licence
   Prior to felling, a Tree Felling Licence shall be obtained from the Minister for Agriculture, Food and the Marine in accordance with the Forestry Act 2014 (as amended).
2. Compliance with Forestry Guidelines
   Tree felling shall be undertaken in accordance with the conditions of the Tree Felling Licence and the Forest Service guidelines outlined below:
   - Standards for Felling and Reforestation
   - Forest Protection Guidelines
   - Forestry and Water Quality Guidelines
   - Forest Harvesting and Environmental Guidelines
   - Forestry and Freshwater Pearl Mussel Requirements - Site Assessment and Mitigation Measures
   - Forest Biodiversity Guidelines
   - Forestry and the Landscape Guidelines
   - Forestry and Archaeology Guidelines
3. Selection of Plant and Equipment
   The type of equipment used (e.g., chainsaws or mechanical harvesters) shall be selected based on ground conditions to minimise soil disturbance.
4. Protection of Drainage and Watercourses
   Existing drainage features shall be retained and protected where required. Silt control measures installed during enabling works shall be maintained throughout felling operations.
5. Vehicle and Machinery Movements
   Vehicles will use existing roads and designated crossing points only. Machinery will not track through watercourses.
6. Buffer Zones
   Trees within buffer zones shall be cut manually, with machinery used only for the extraction of whole trees.
7. Timber Management
   Timber shall be stacked in dry areas outside buffer zones prior to removal from site. Remaining branches and vegetation shall be chipped or mulched for reuse as topsoil enrichment where appropriate.
8. Weather Restrictions
   Felling and timber extraction will only take place in suitable weather conditions and will avoid prolonged rainfall events or Met Éireann yellow rainfall warnings or greater.
9. Qualified Operators
   All felling and timber extraction shall be undertaken by experienced and fully trained operators in accordance with Forest Service guidance.

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REV:	DWG BY:	APP/ CHK:	DATE:	DESCRIPTION

BALLYFEENY Green Energy

PLANNING

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APPLICANT:	BALLYFEENY GREEN ENERGY LIMITED	DRAWN:	MM	SCALE: 1:500 @ A0	
		DATE:	11/03/2026	JOB NO.	DRG. NO.	REV.
JOB TITLE:	BALLYFEENY GREEN ENERGY PROJECT	DES. BY:	ER	23604	608	P1
		CHK. BY:	BMG			
DRG. TITLE:	ENABLING WORKS - TREE AND HEDGE REMOVAL WITH ADVANCE DRAINAGE B OF 8	APP. BY:	BMG			