

1

Introduction & Proposed Development



BALLYGILBERT WIND FARM

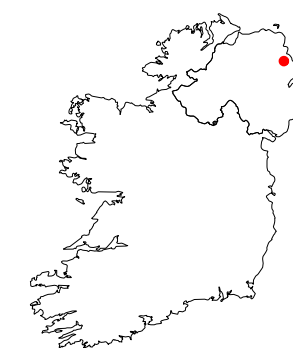
FIGURE 1.1

SITE LOCATION PLAN

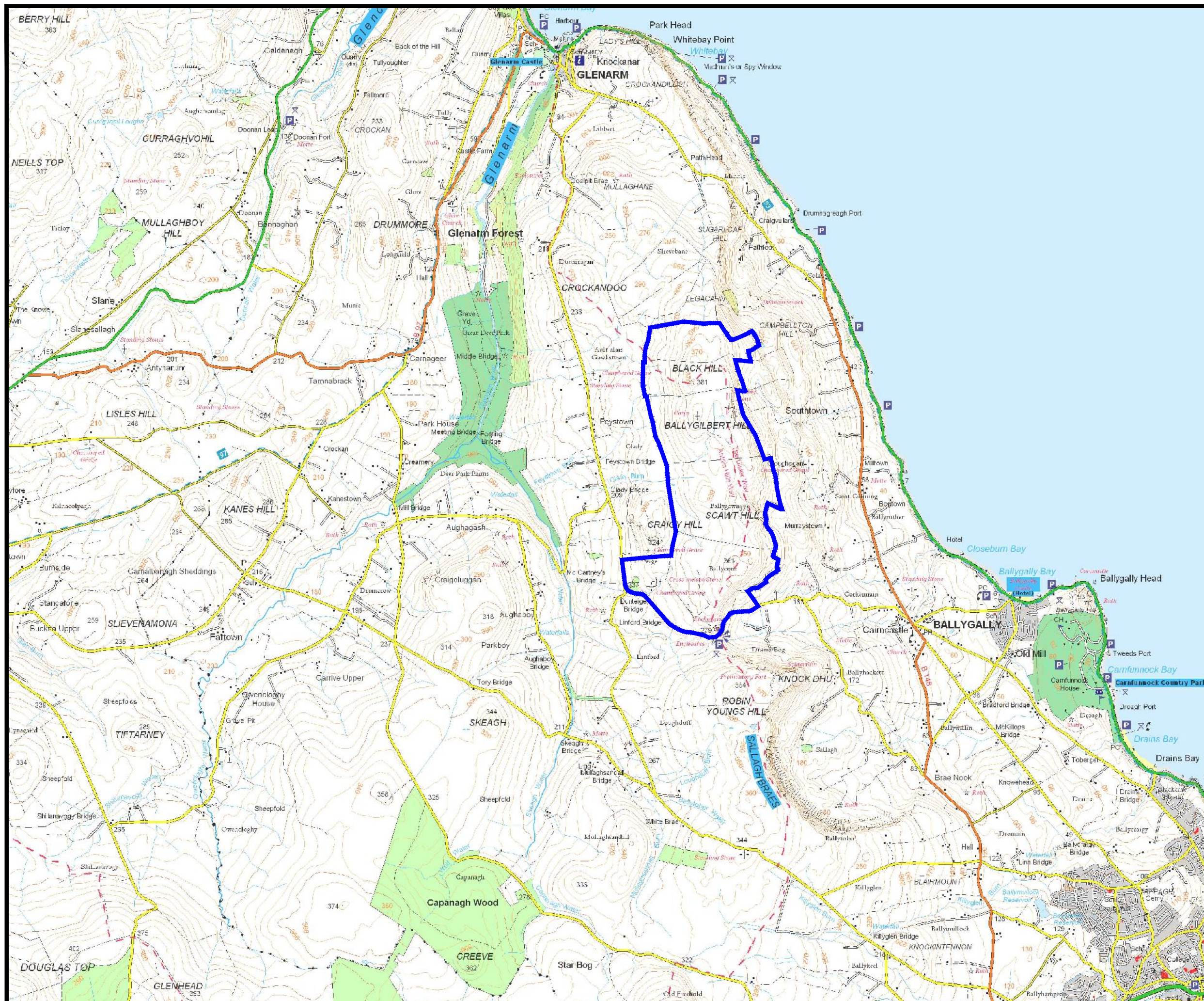
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KEY

— SITE LOCATION



SITE LOCATION - NOT TO SCALE



LAYOUT DWG	N/A	T-LAYOUT NO.	N/A
DRAWING NUMBER	03128-RES-LAY-DR-LE-001		
SCALE	1:50,000 @ A3		
ENVIRONMENTAL STATEMENT			
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BALLYGILBERT WIND FARM

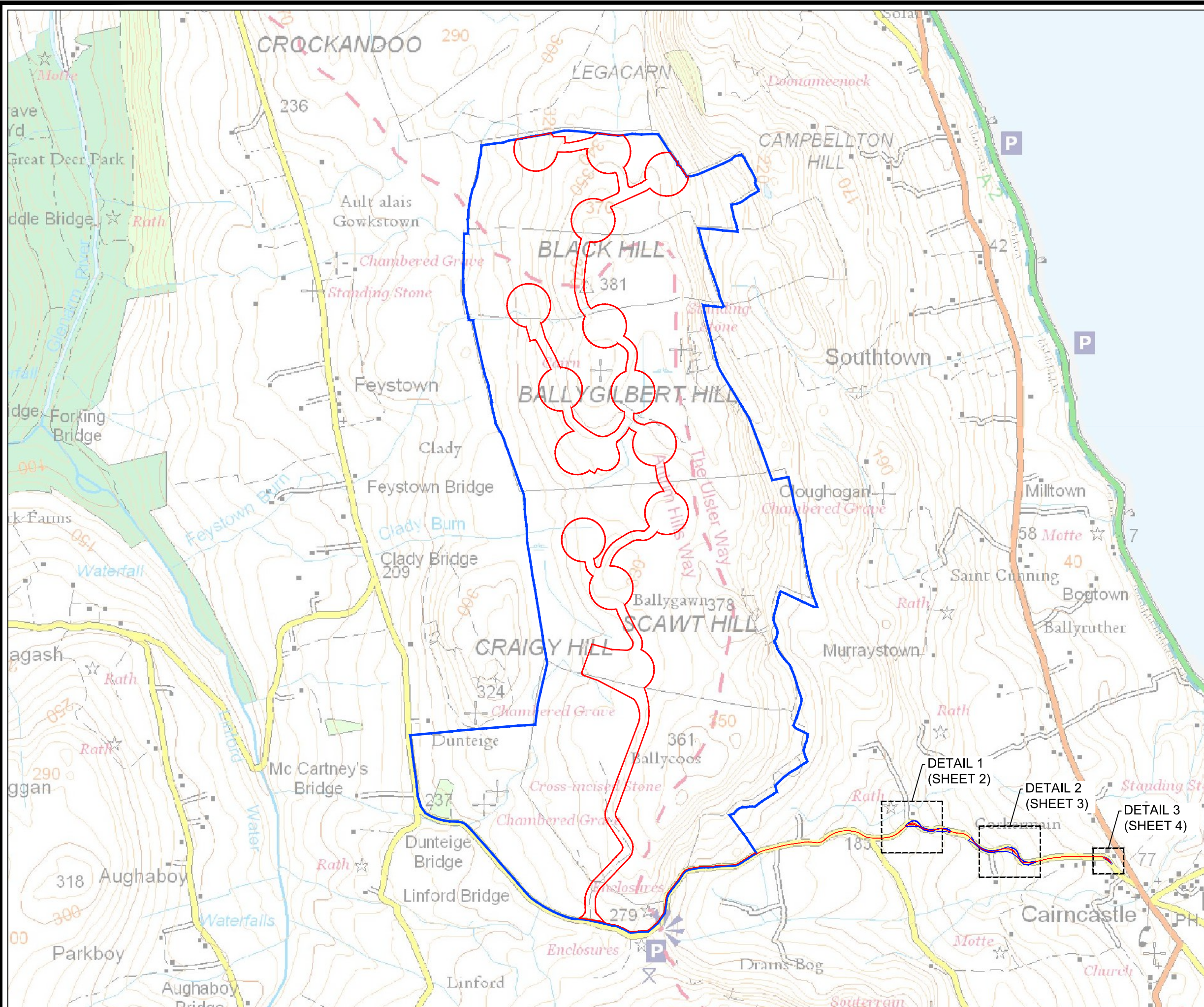
FIGURE 1.2

PLANNING APPLICATION BOUNDARY

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KEY

- PLANNING APPLICATION BOUNDARY
- LAND UNDER APPLICANT CONTROL



OVERVIEW SHEET 1 OF 4

LAYOUT DWG: 03128-RES-LAY-DR-TE-001 T-LAYOUT NO.: PNIRbgt058

DRAWING NUMBER: 03128-RES-LAY-DR-LE-002

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**BALLYGILBERT
WIND FARM**

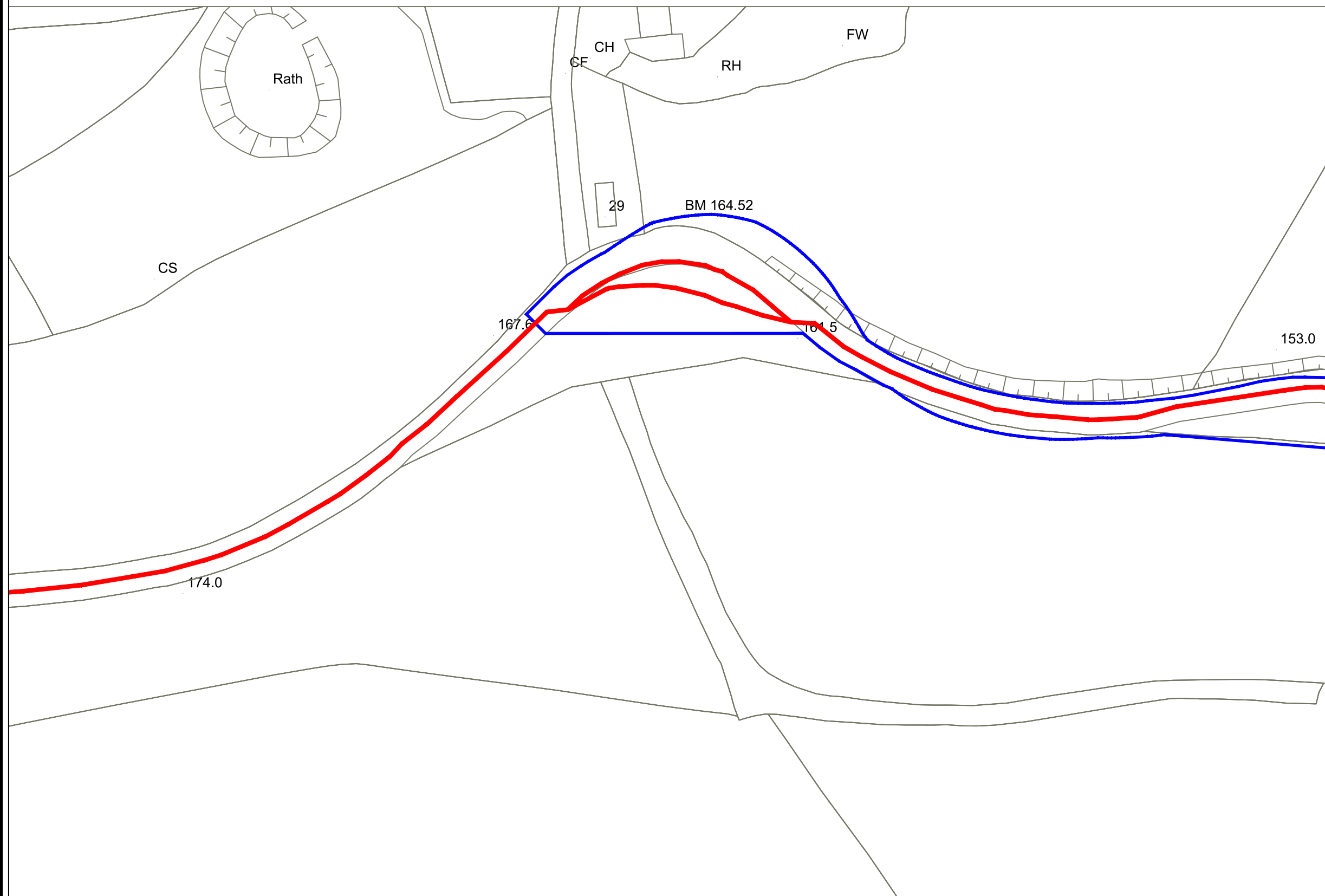
FIGURE 1.2

**PLANNING APPLICATION
BOUNDARY**

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KEY

- PLANNING APPLICATION BOUNDARY
- LAND UNDER APPLICANT CONTROL



DETAIL 1
SHEET 2 OF 4

LAYOUT DWG: 03128-RES-LAY-DR-TE-001 T-LAYOUT NO.: PNIRbgt058

DRAWING NUMBER: **03128-RES-LAY-DR-LE-002**

SCALE - 1:1000 @ A3

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BALLYGILBERT WIND FARM

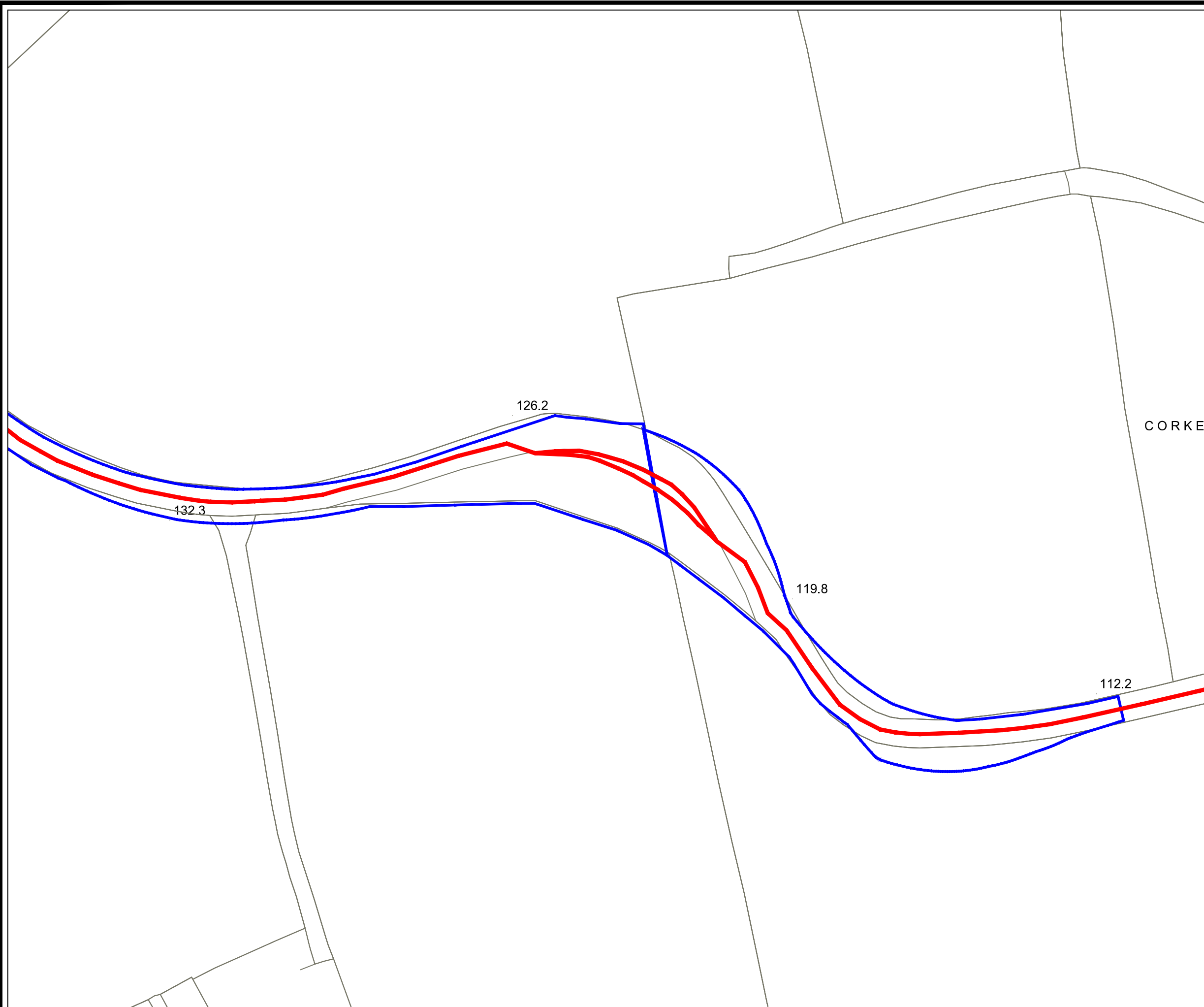
FIGURE 1.2

PLANNING APPLICATION BOUNDARY

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KEY

- PLANNING APPLICATION BOUNDARY
- LAND UNDER APPLICANT CONTROL



DETAIL 2
SHEET 3 OF 4

LAYOUT DWG 03128-RES-LAY-DR-TE-001 T-LAYOUT NO. PNIRbgt058

DRAWING NUMBER
03128-RES-LAY-DR-LE-002

SCALE - 1:1000 @ A3

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**BALLYGILBERT
WIND FARM**

FIGURE 1.2

**PLANNING APPLICATION
BOUNDARY**

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KEY

- PLANNING APPLICATION BOUNDARY
- LAND UNDER APPLICANT CONTROL



DETAIL 3
SHEET 4 OF 4

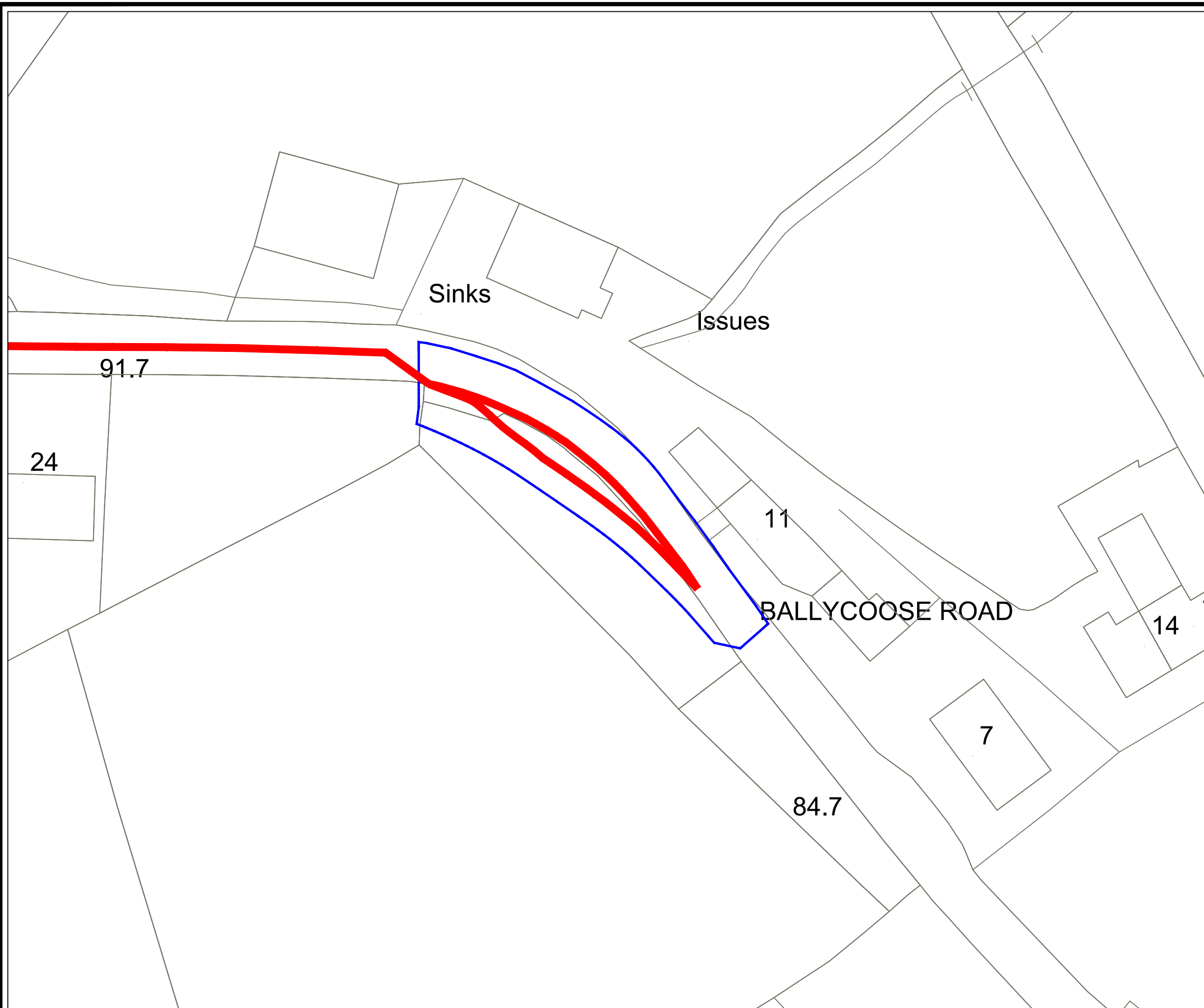
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DRAWING NUMBER: **03128-RES-LAY-DR-LE-002**

SCALE - 1:500 @ A3

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BALLYGILBERT WIND FARM

FIGURE 1.3

INFRASTRUCTURE LAYOUT

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- KEY**
- PLANNING APPLICATION BOUNDARY
 - LAND UNDER APPLICANT CONTROL
 - WIND TURBINE LOCATION
 - TURBINE MICROSITING
 - NEW SITE TRACKS
 - UPGRADED SITE TRACKS
 - WATERCOURSE CROSSING
 - CRANE HARDSTANDING AREA
 - PERMANENT
 - TEMPORARY
 - TEMPORARY CONSTRUCTION COMPOUND
 - ENERGY STORAGE COMPOUND
 - CONTROL BUILDING & SUBSTATION COMPOUND WITH PERMANENT HARDSTANDING AREA
 - SITE ENTRANCE LOCATION



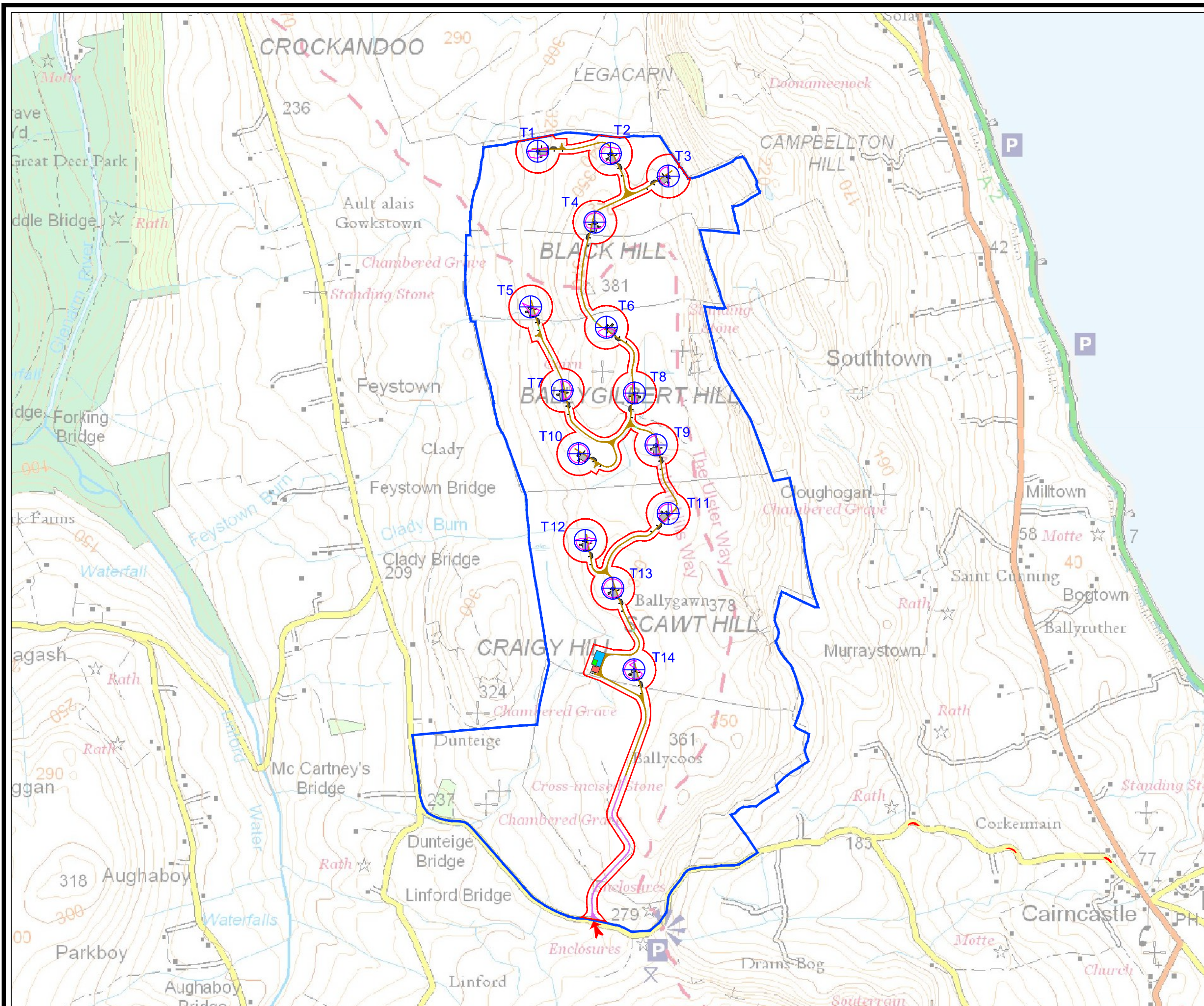
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SCALE - 1:20,000 @ A3

ENVIRONMENTAL STATEMENT

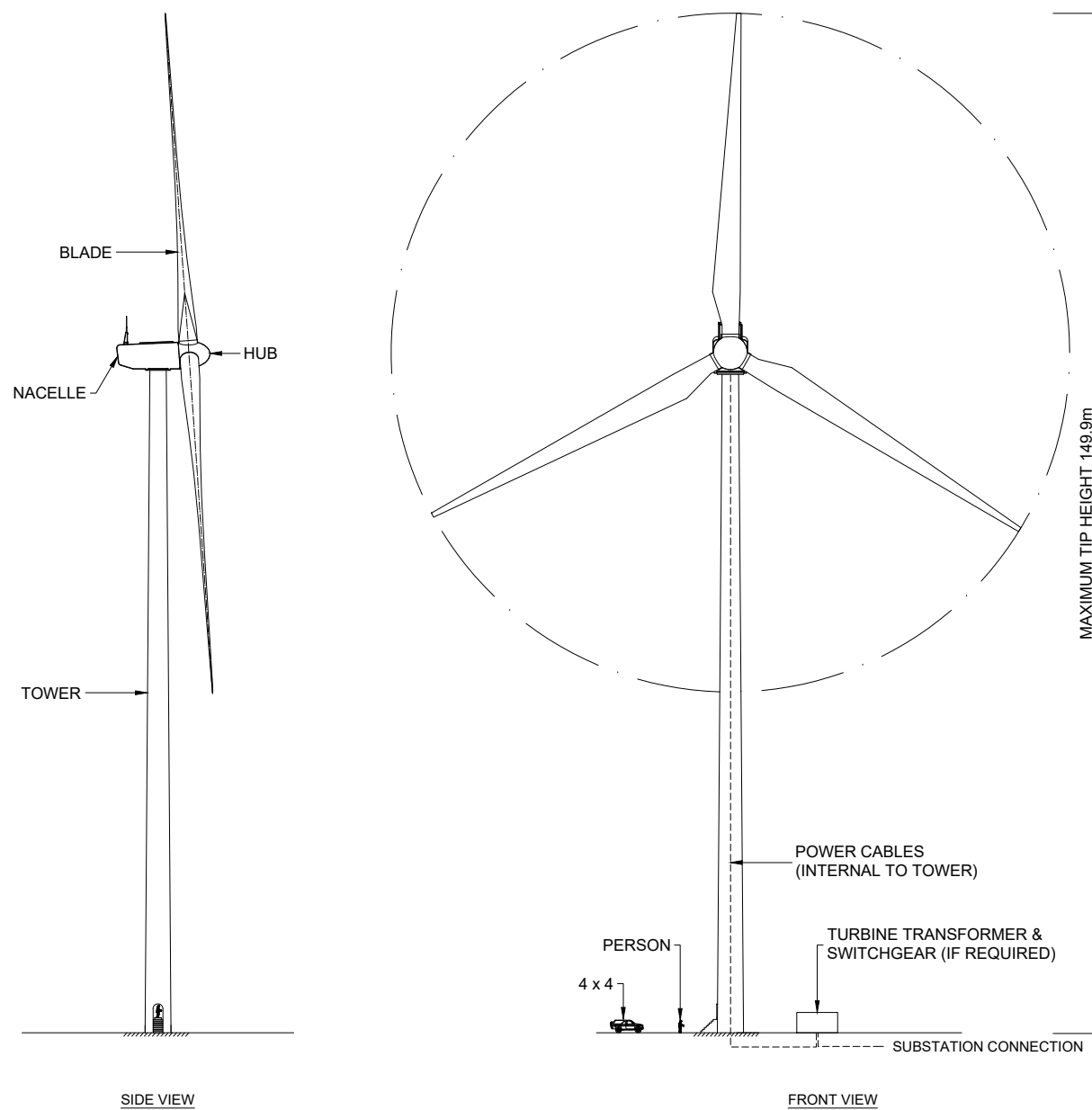
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**BALLYGILBERT
WIND FARM**

**FIGURE 1.4
TURBINE ELEVATION**



PHOTOGRAPH OF TYPICAL TURBINE

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2901-01

SCALE - 1:1000 @ A3

ENVIRONMENTAL STATEMENT

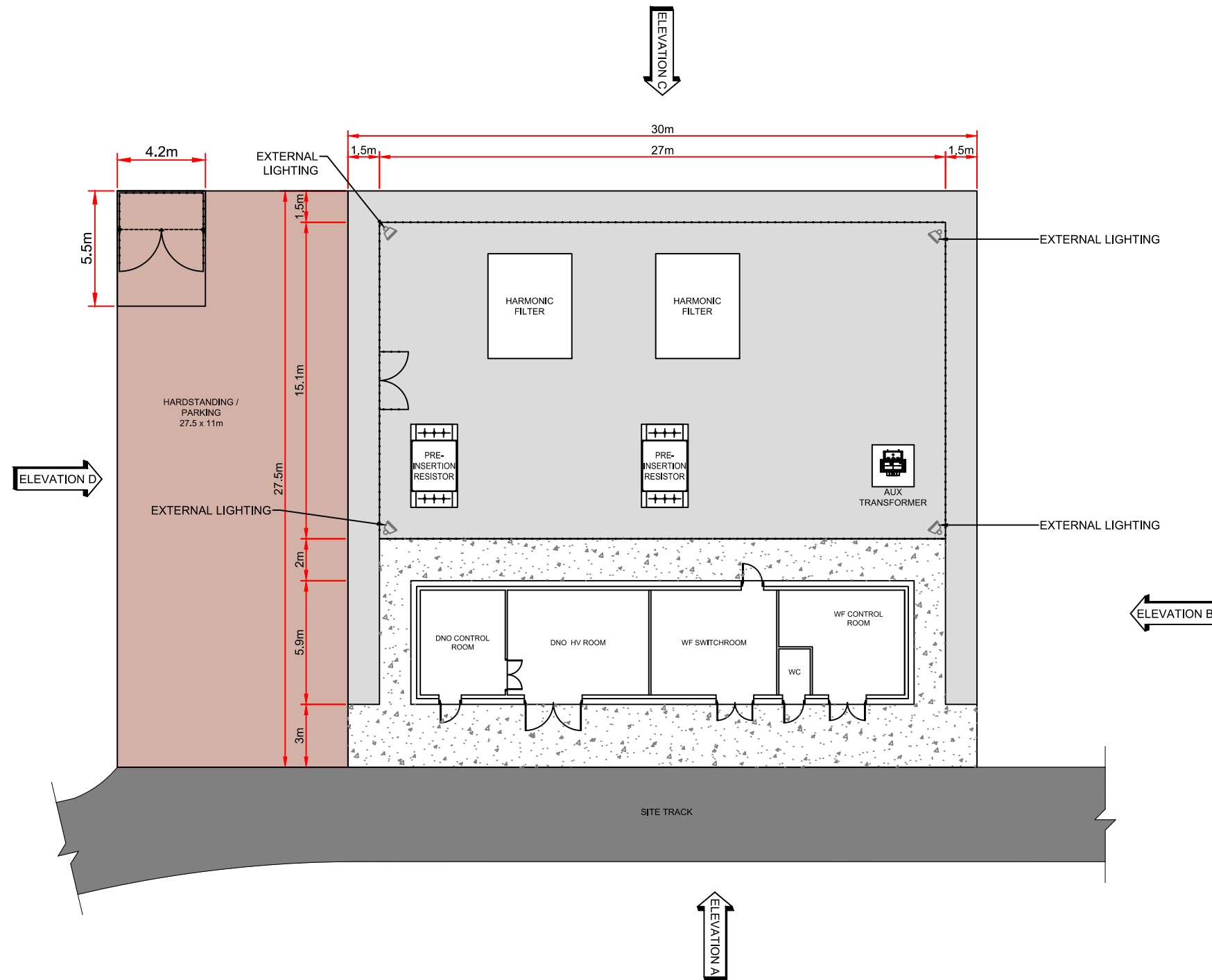
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**BALLYGILBERT
WIND FARM**

FIGURE 1.5

**CONTROL BUILDING &
SUBSTATION COMPOUND
LAYOUT PLAN**



KEY:

- EXTERNAL LIGHTING
- 1m WIDE GRAVEL PATH
- CONCRETE APRON
- ELEVATION MARKER

NOTES:

1. CONTROL BUILDING ROOM LAYOUT & COMPOUND LAYOUT IS INDICATIVE ONLY AND MAY CHANGE.
2. STONED HARDSTAND AREA FOR CRANE DURING INSTALLATION PHASE AND PARKING DURING OPERATIONAL PHASE
3. ALL ELECTRICAL EQUIPMENT TO HAVE A MINIMUM SEPARATION OF 1m.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2210-01

SCALE - 1:250 @ A3

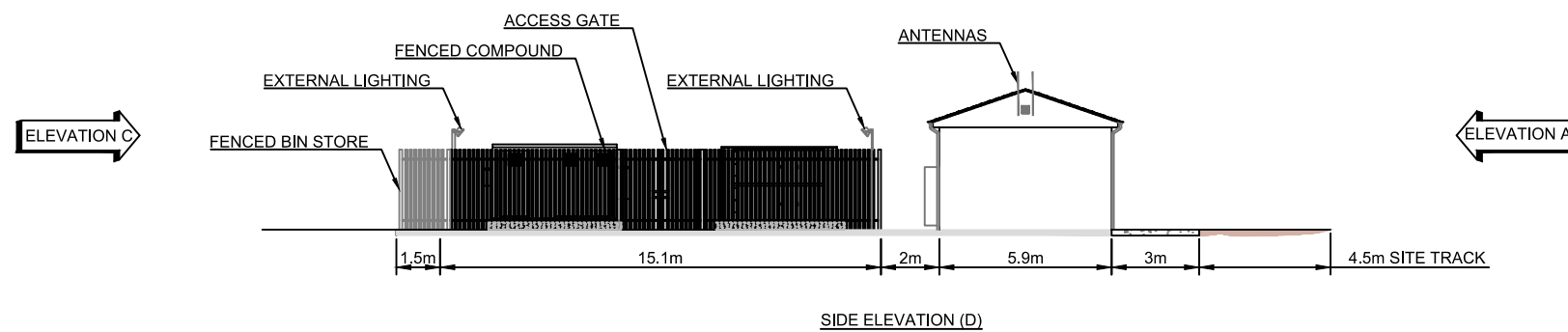
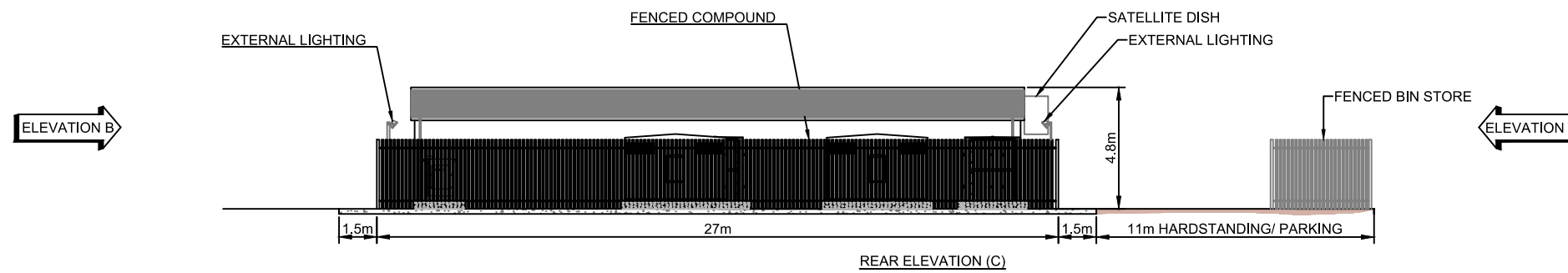
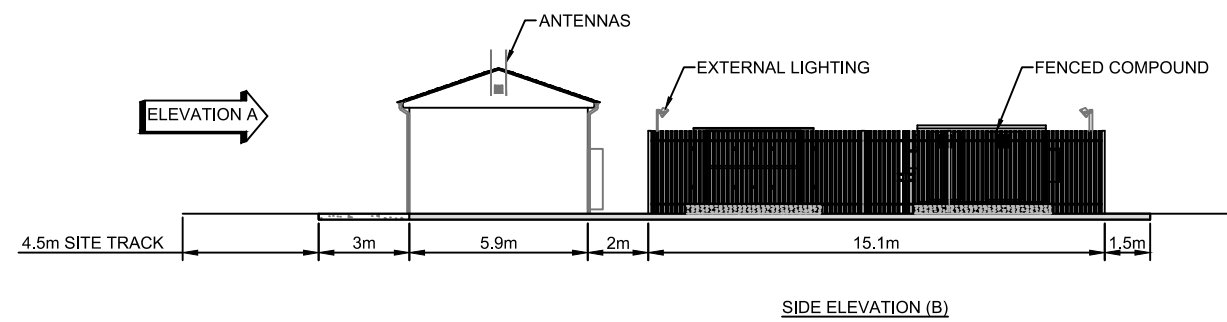
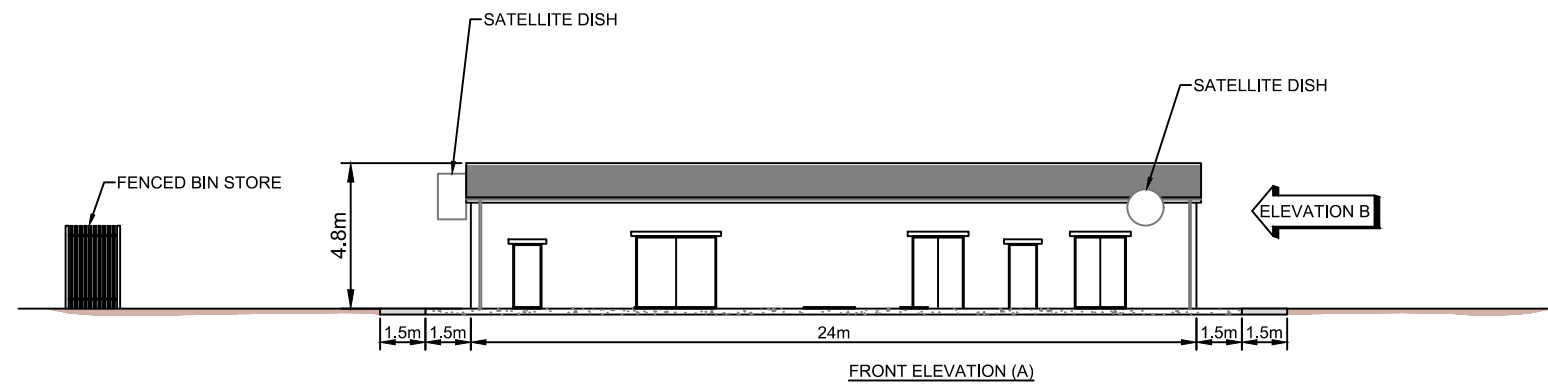
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**BALLYGILBERT
WIND FARM**

FIGURE 1.6

**CONTROL BUILDING
ELEVATIONS**



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DRAWING NUMBER
03128D2211-01

SCALE - 1:250 @ A3

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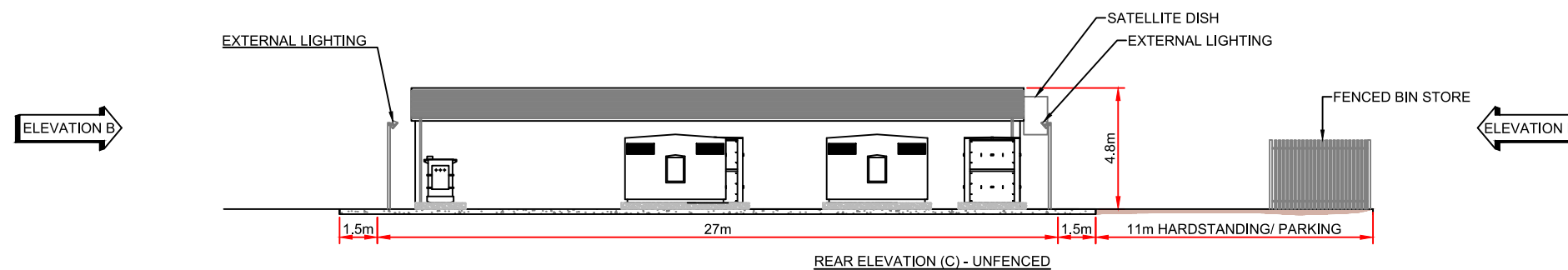
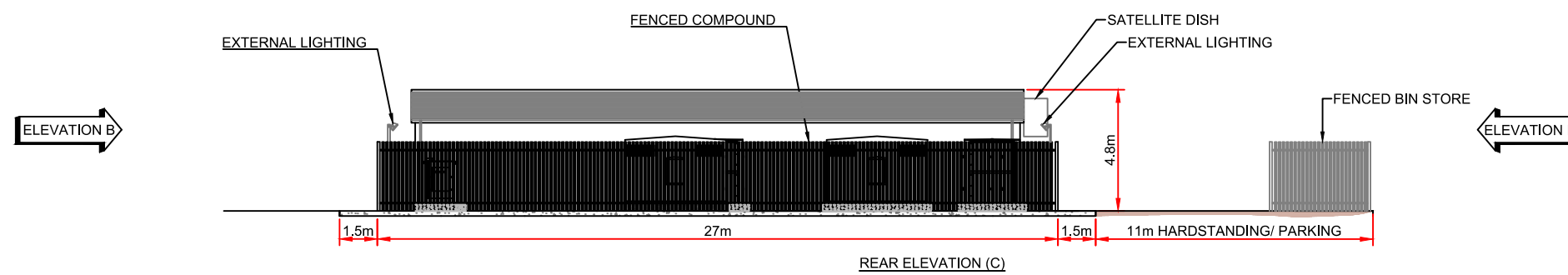
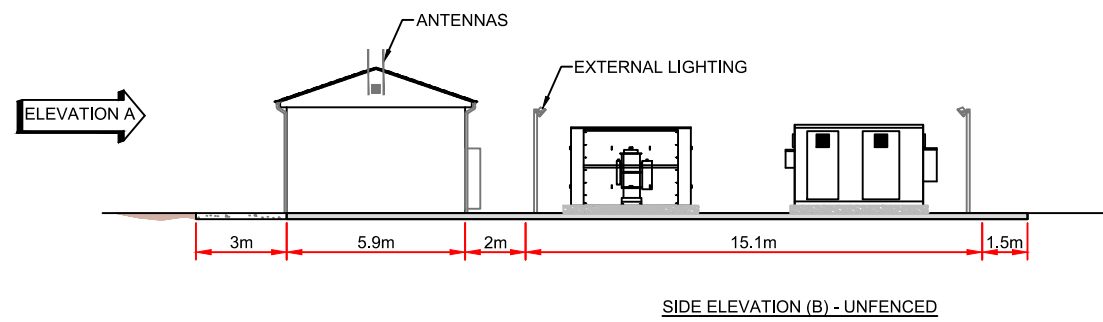
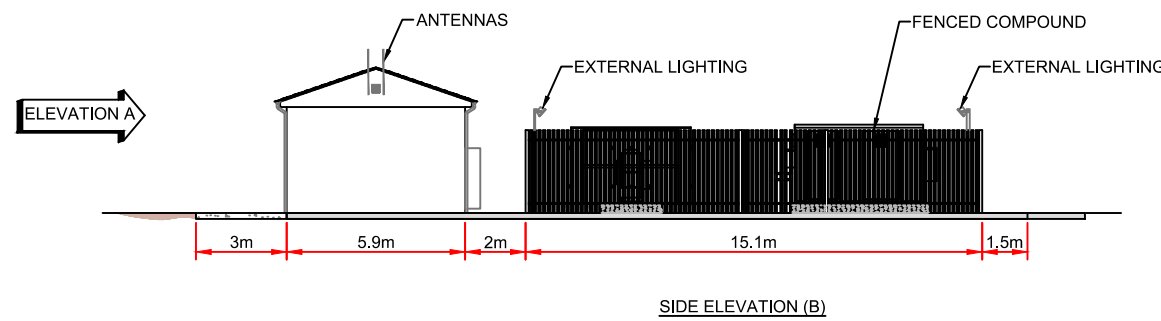
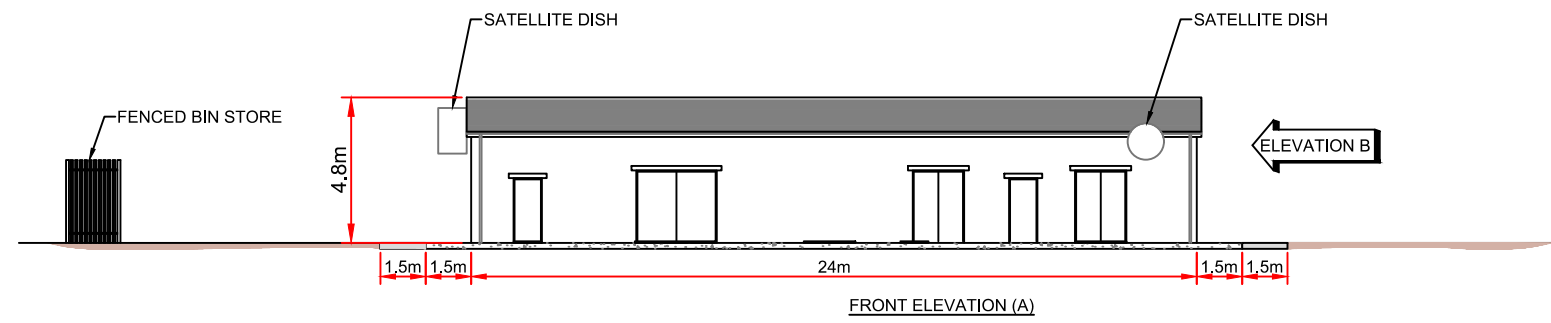
**BALLYGILBERT
WIND FARM**

FIGURE 1.7

**CONTROL BUILDING &
SUBSTATION COMPOUND
ELEVATIONS**

NOTES:

1. REFER TO SHEETS 3 - 12 FOR INFORMATION ON INDICATIVE COMPOUND COMPONENTS.



COMPOUND ELEVATIONS
SHEET 1 OF 5

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2212-01

SCALE - 1:250 @ A3

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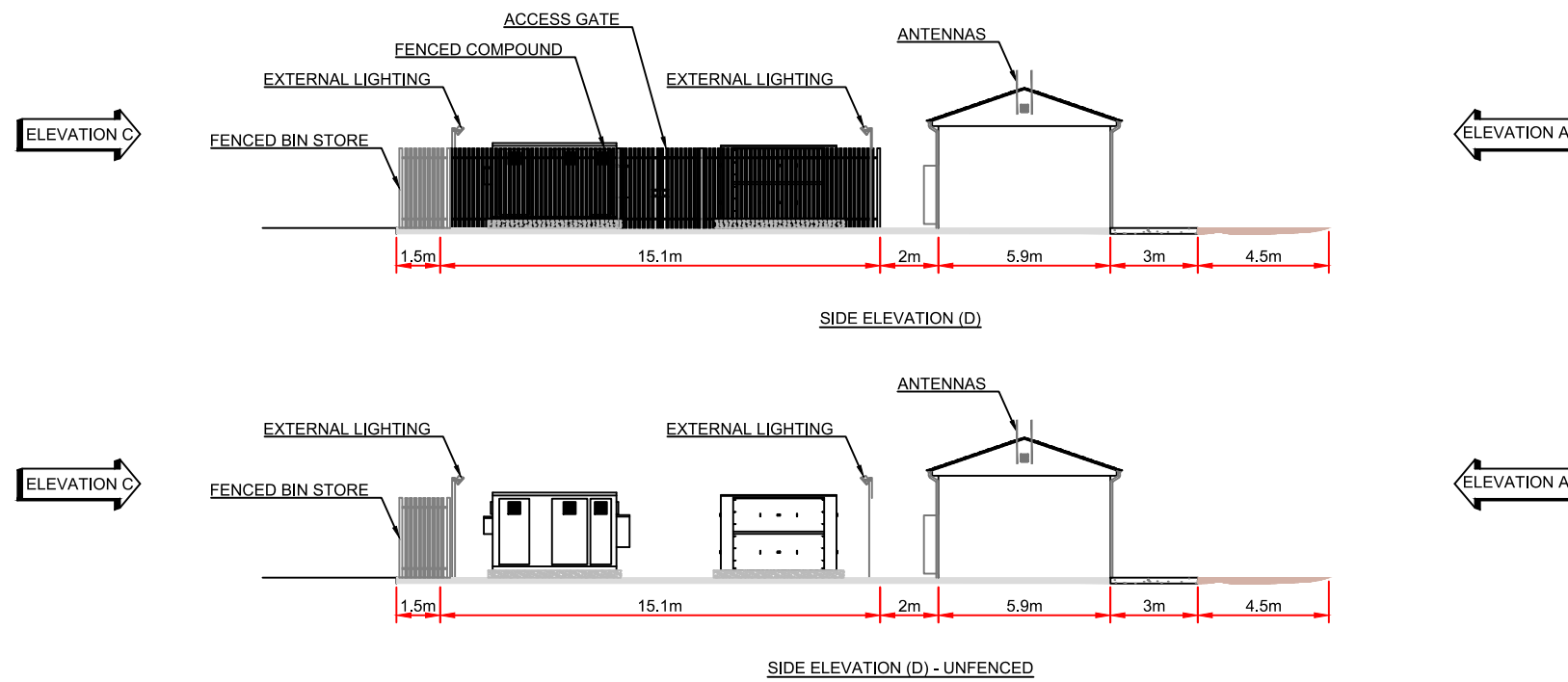
**BALLYGILBERT
WIND FARM**

FIGURE 1.7

**CONTROL BUILDING &
SUBSTATION COMPOUND
ELEVATIONS**

NOTES:

1. REFER TO SHEETS 3 - 12 FOR INFORMATION ON INDICATIVE COMPOUND COMPONENTS.
2. WARNING SIGNAGE TO COMPLY WITH RELEVANT H&S LEGISLATION; TO BE DISPLAYED ON FENCE ENTRANCE.



COMPOUND ELEVATIONS
SHEET 2 OF 5

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2212-01

SCALE - 1:250 @ A3

ENVIRONMENTAL STATEMENT

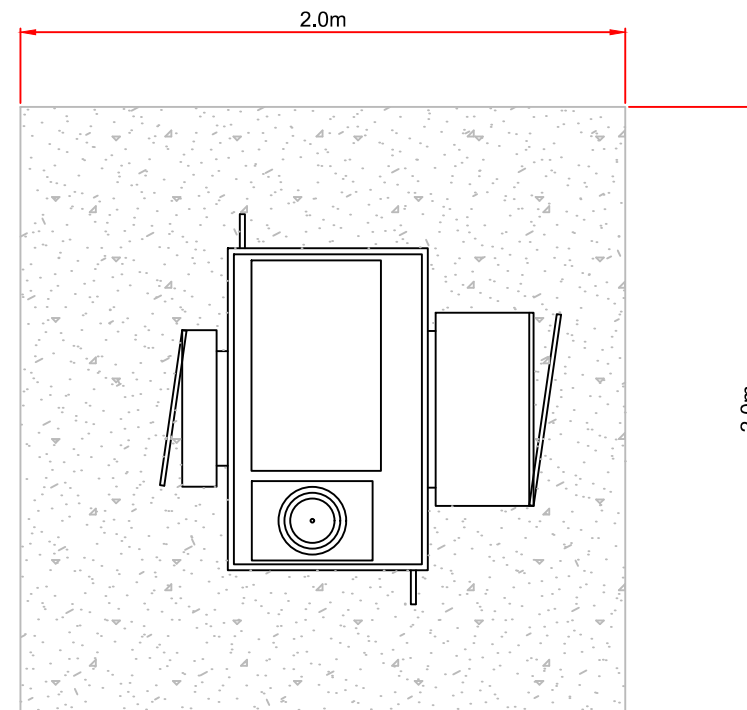
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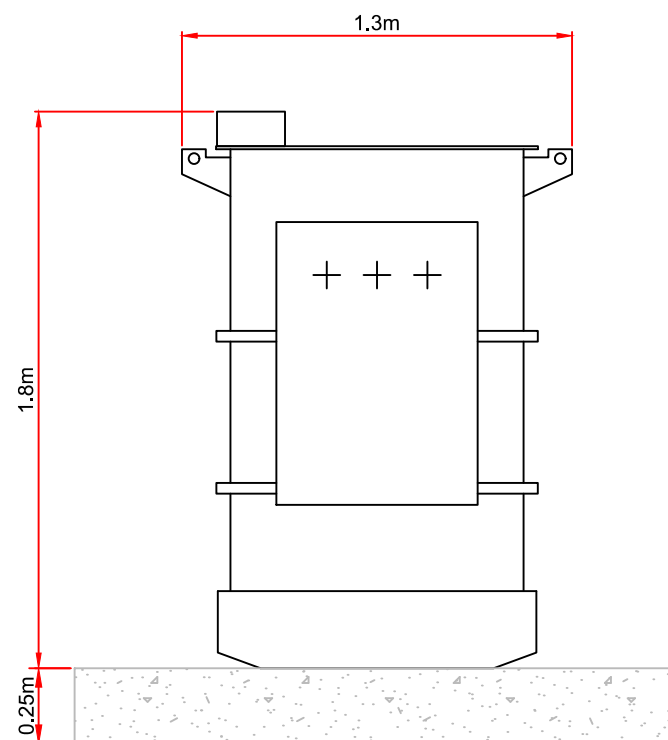
**BALLYGILBERT
WIND FARM**

FIGURE 1.7

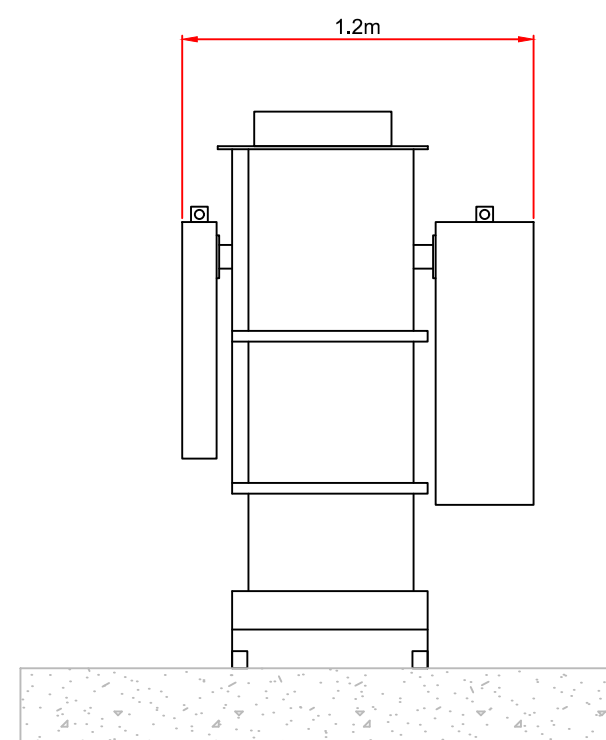
**CONTROL BUILDING &
SUBSTATION COMPOUND
ELEVATIONS**



**INDICATIVE AUXILIARY TRANSFORMER -
PLAN VIEW**
SCALE - 1:25



**INDICATIVE AUXILIARY TRANSFORMER -
SIDE ELEVATION**
SCALE - 1:25



**INDICATIVE AUXILIARY TRANSFORMER -
FRONT ELEVATION**
SCALE - 1:25

COMPOUND ELEVATIONS
SHEET 3 OF 5

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2212-01

SCALE - 1:25 @ A3

ENVIRONMENTAL STATEMENT

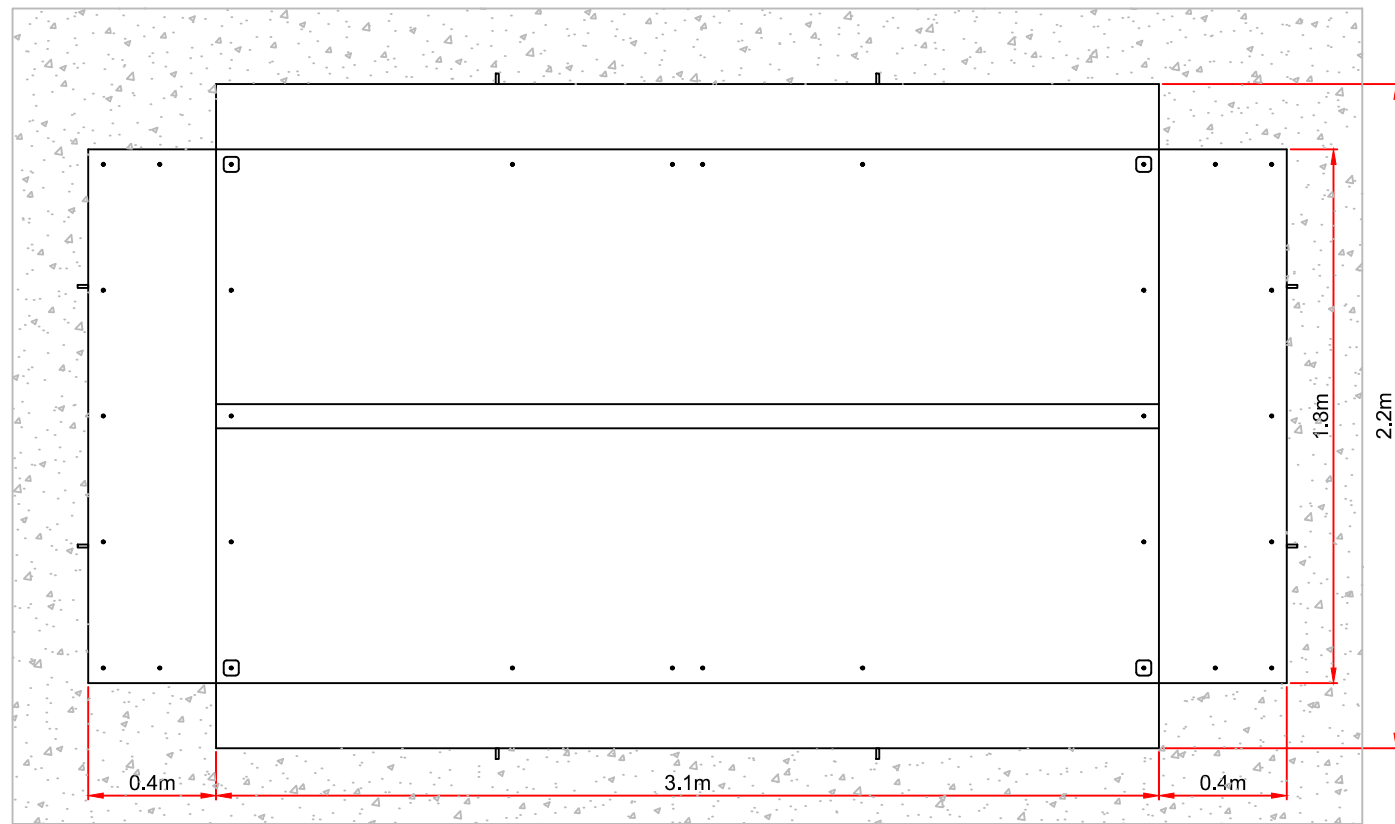
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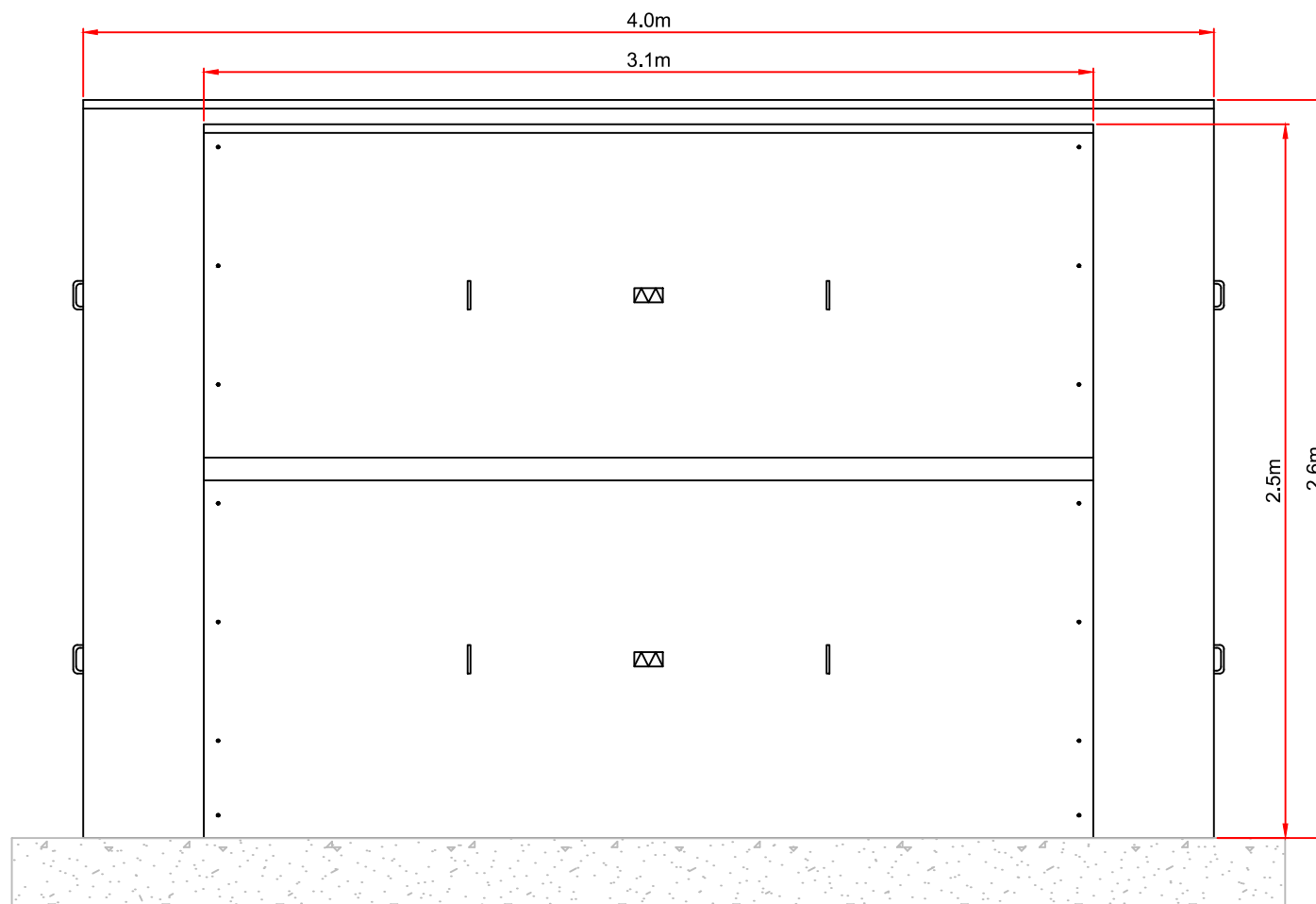
**BALLYGILBERT
WIND FARM**

FIGURE 1.7

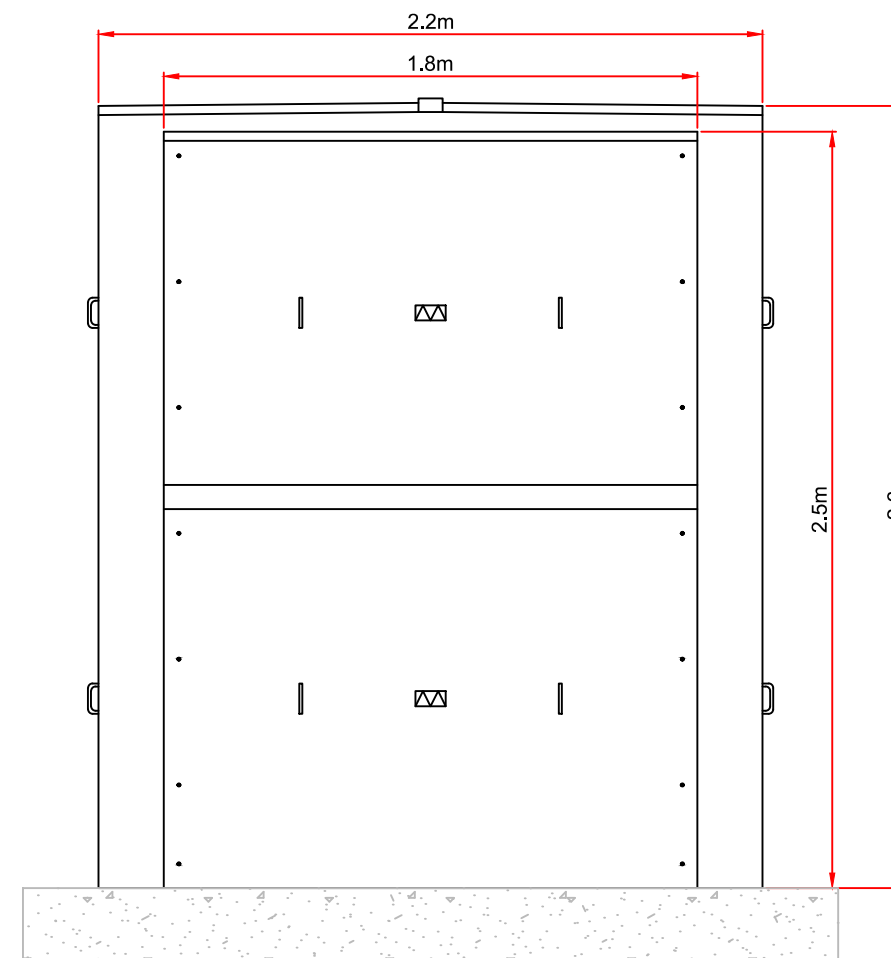
**CONTROL BUILDING &
SUBSTATION COMPOUND
ELEVATIONS**



**INDICATIVE PRE-INSERTION RESISTOR -
PLAN VIEW**
SCALE - 1:25



**INDICATIVE PRE-INSERTION RESISTOR -
FRONT ELEVATION**
SCALE - 1:25



**INDICATIVE PRE-INSERTION RESISTOR -
SIDE ELEVATION**
SCALE - 1:25

COMPOUND ELEVATIONS
SHEET 4 OF 5

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2212-01

SCALE - 1:25 @ A3

ENVIRONMENTAL STATEMENT

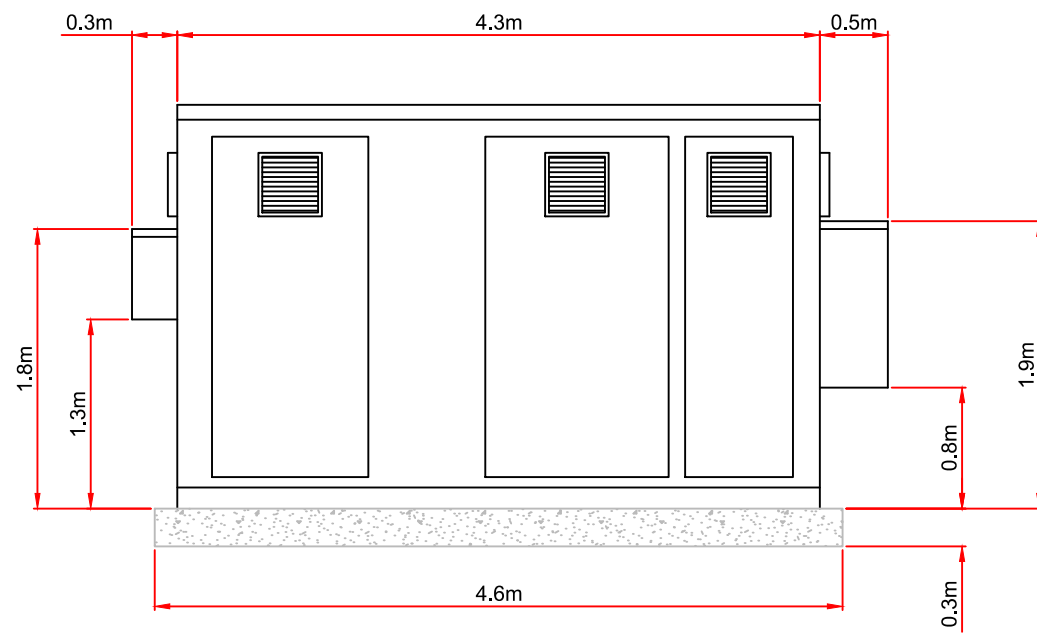
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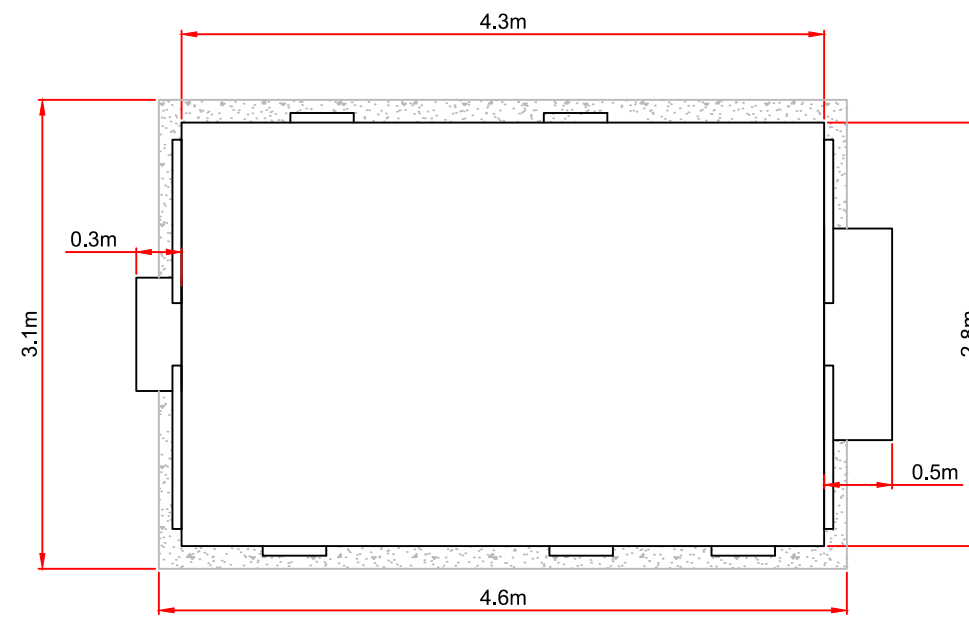
**BALLYGILBERT
WIND FARM**

FIGURE 1.7

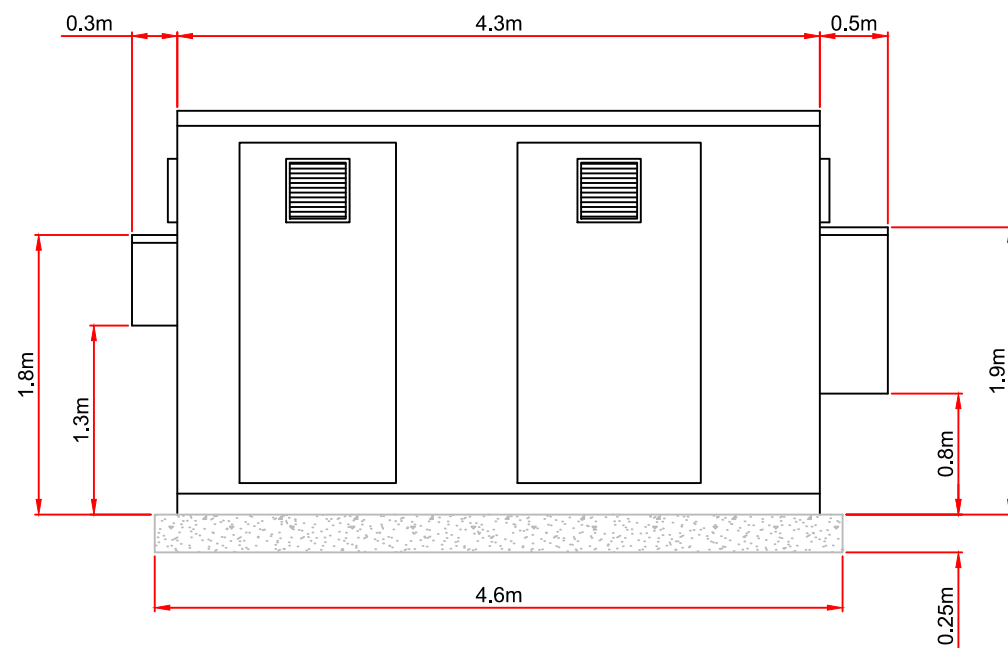
**CONTROL BUILDING &
SUBSTATION COMPOUND
ELEVATIONS**



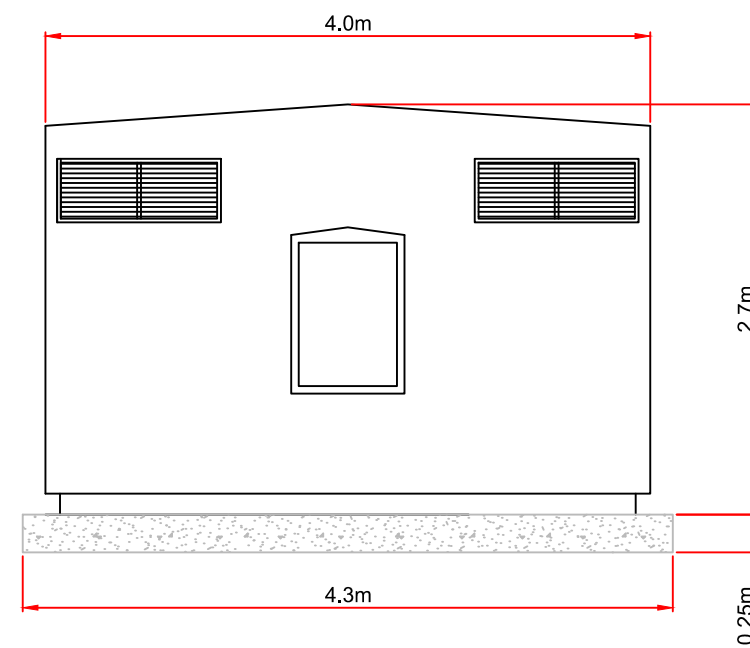
**INDICATIVE HARMONIC FILTER -
FRONT ELEVATION**
SCALE - 1:50



**INDICATIVE HARMONIC FILTER -
PLAN VIEW**
SCALE - 1:50



**INDICATIVE HARMONIC FILTER -
REAR ELEVATION**
SCALE - 1:50



**INDICATIVE HARMONIC FILTER -
SIDE ELEVATION**
SCALE - 1:50

COMPOUND ELEVATIONS
SHEET 5 OF 5

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2212-01

SCALE - 1:50 @ A3

ENVIRONMENTAL STATEMENT

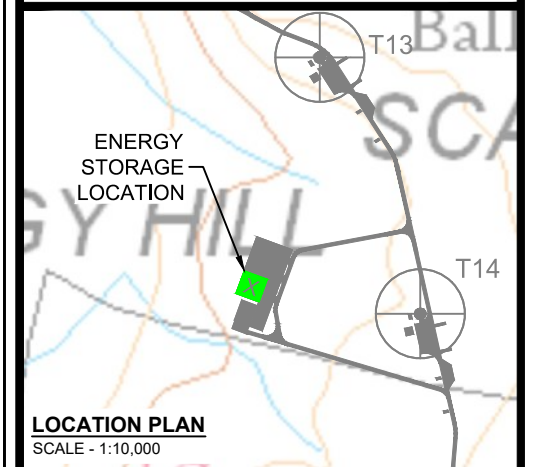
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BALLYGILBERT WIND FARM

FIGURE 1.8

ENERGY STORAGE COMPOUND PLAN & ELEVATION (SHEET 1 OF 3) LAYOUT PLAN



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- KEY:**
- INFRASTRUCTURE
 - 18-25mm GRADE, 150mm DEEP, CLEAN CRUSHED ROCK
 - PALISADE FENCE 2.4m HIGH
 - MAX. 4.5m HIGH 50W HALIDE LAMP OR SIMILAR. COLUMNS SHALL BE TELESCOPIC, HINGED OR SIMILAR TO FACILITATE GROUND LEVEL BULB REPLACEMENT. EXACT POSITIONS TBC BASED ON SELECTED PRODUCT(S).
 - ENERGY STORAGE LOCATION

NOTE:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN.

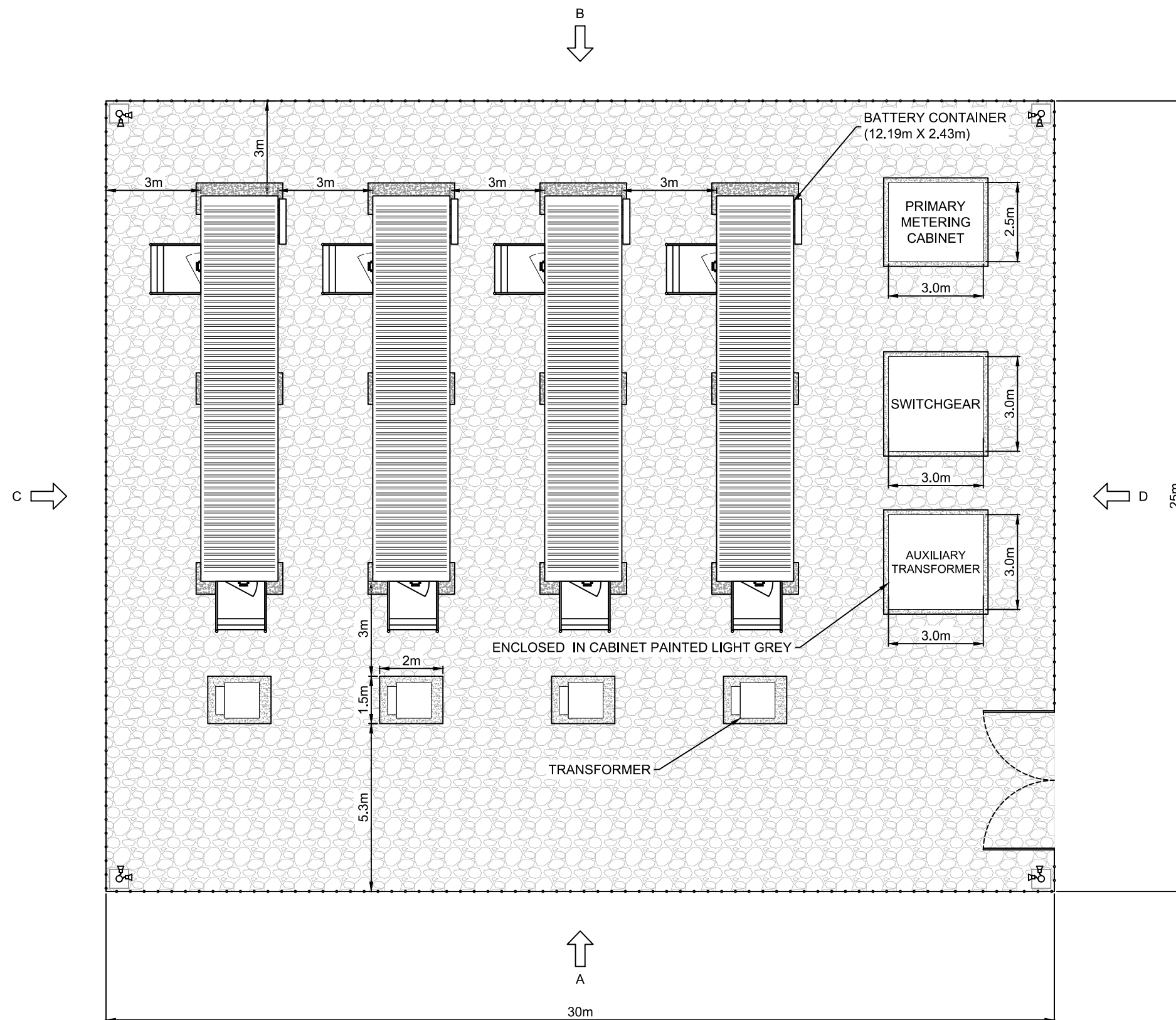
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DRAWING NUMBER
03128D2213-01

SCALE - 1:150 @ A3

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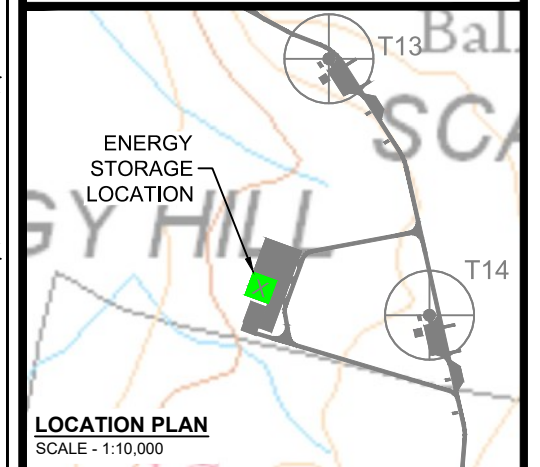




**BALLYGILBERT
WIND FARM**

FIGURE 1.8

**ENERGY STORAGE COMPOUND
PLAN & ELEVATION
(SHEET 2 OF 3)
ELEVATIONS WITH FENCE**



LOCATION PLAN
SCALE - 1:10,000

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KEY:

- INFRASTRUCTURE
- ENERGY STORAGE LOCATION

NOTE:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN.

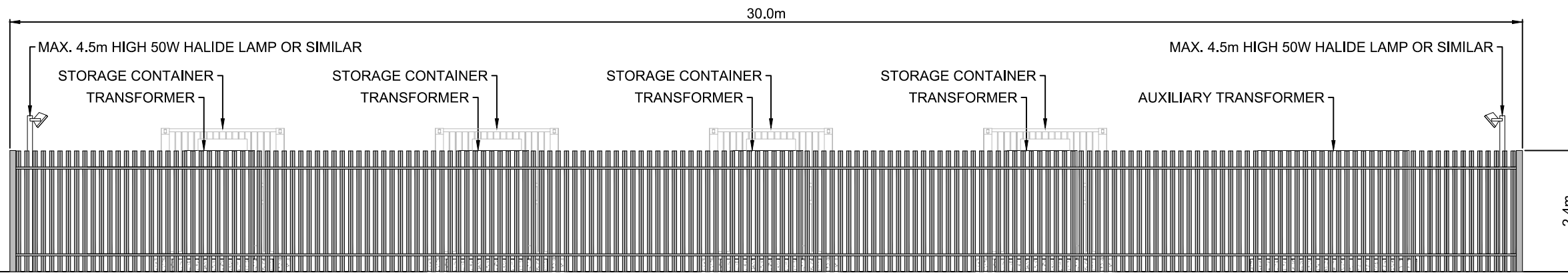
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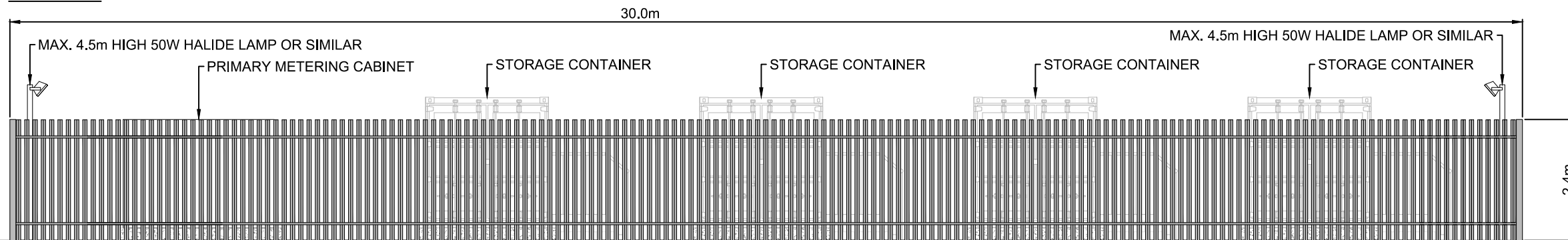
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ENVIRONMENTAL STATEMENT

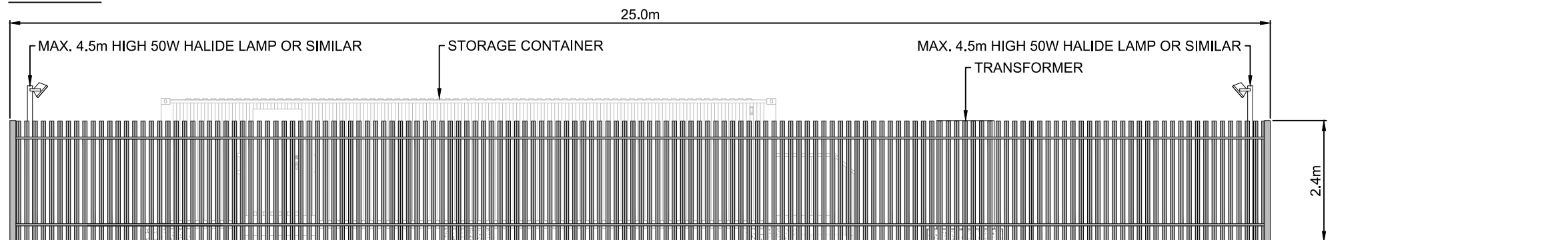
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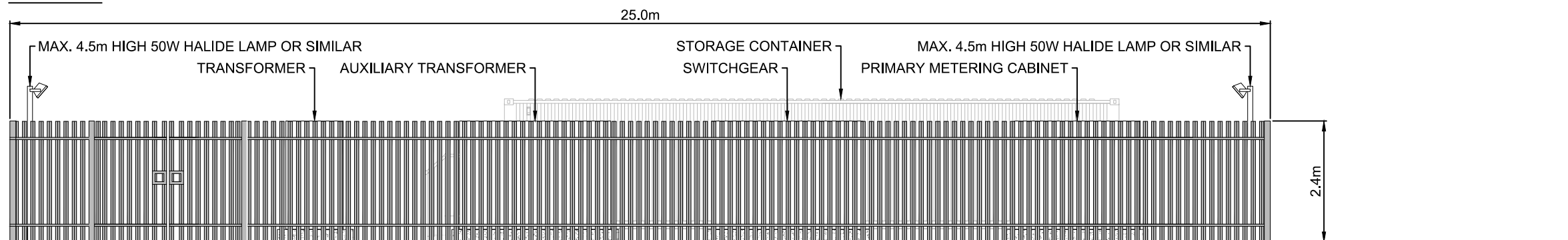
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D



INDICATIVE PRIMARY METERING CABINET



INDICATIVE SWITCHGEAR



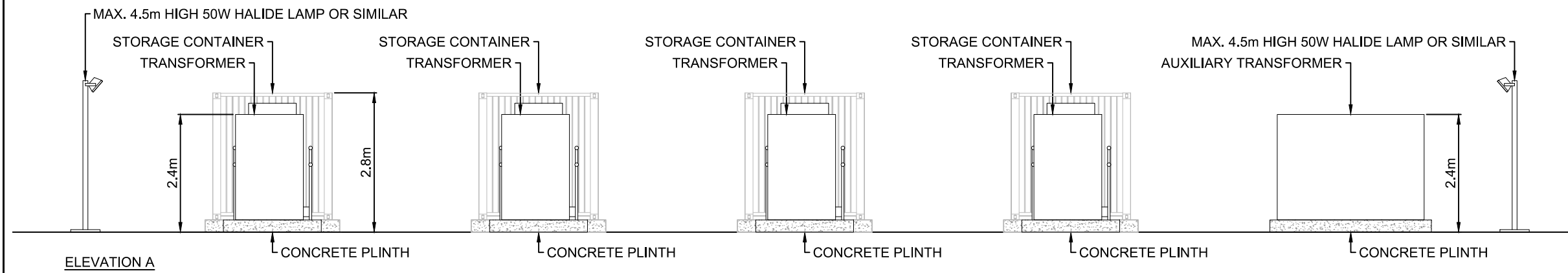
INDICATIVE TRANSFORMER



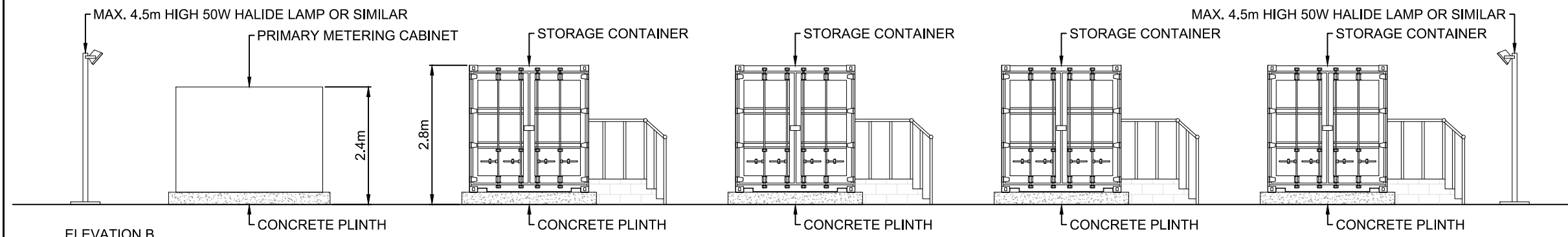
**BALLYGILBERT
WIND FARM**

FIGURE 1.8

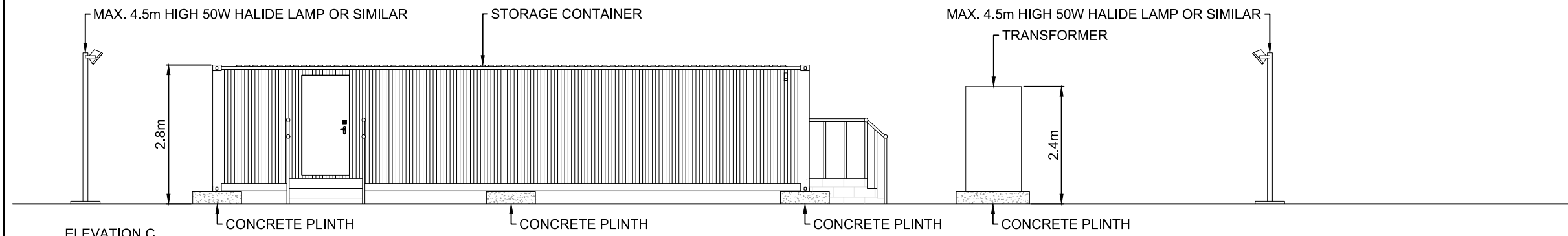
**ENERGY STORAGE COMPOUND
PLAN & ELEVATION
(SHEET 3 OF 3)
ELEVATIONS WITHOUT FENCE**



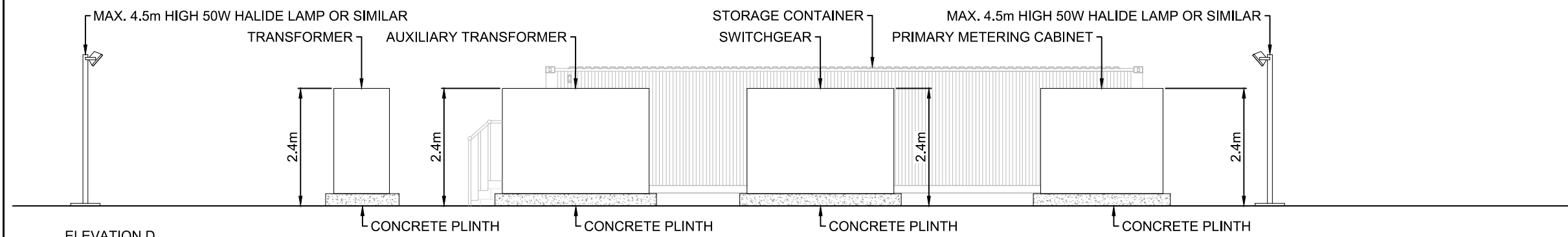
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D



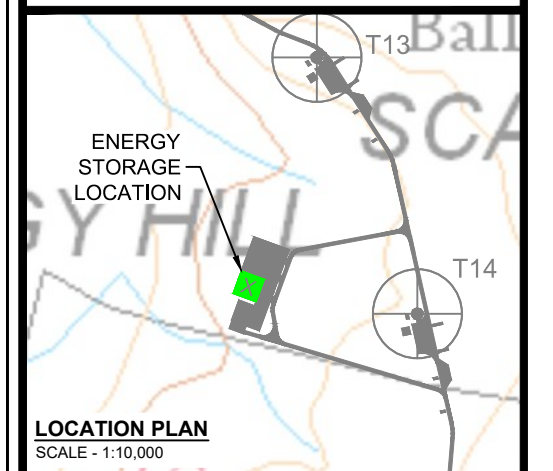
INDICATIVE PRIMARY METERING CABINET



INDICATIVE SWITCHGEAR



INDICATIVE TRANSFORMER



LOCATION PLAN
SCALE - 1:10,000

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KEY:

- INFRASTRUCTURE
- ENERGY STORAGE LOCATION

NOTE:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN.

LAYOUT DWG 03128D0001-07 T-LAYOUT NO. PNIRbgt038

DRAWING NUMBER **03128D2213-01**

SCALE - 1:100 @ A3

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**BALLYGILBERT
WIND FARM**




FIGURE 1.9

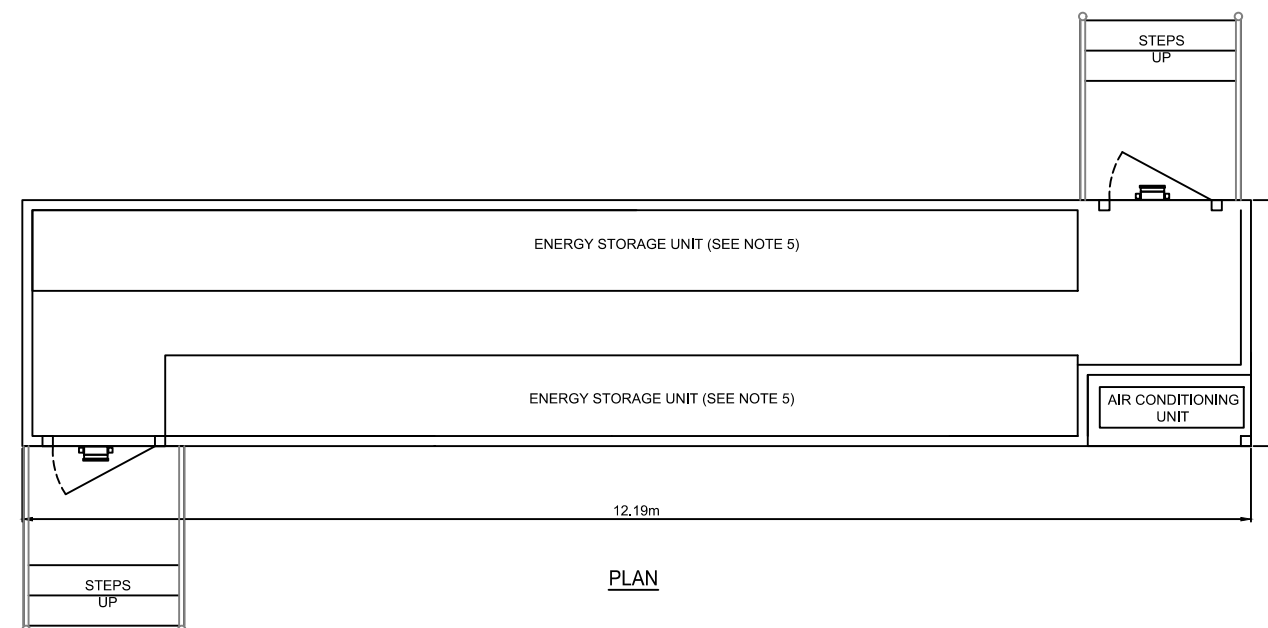
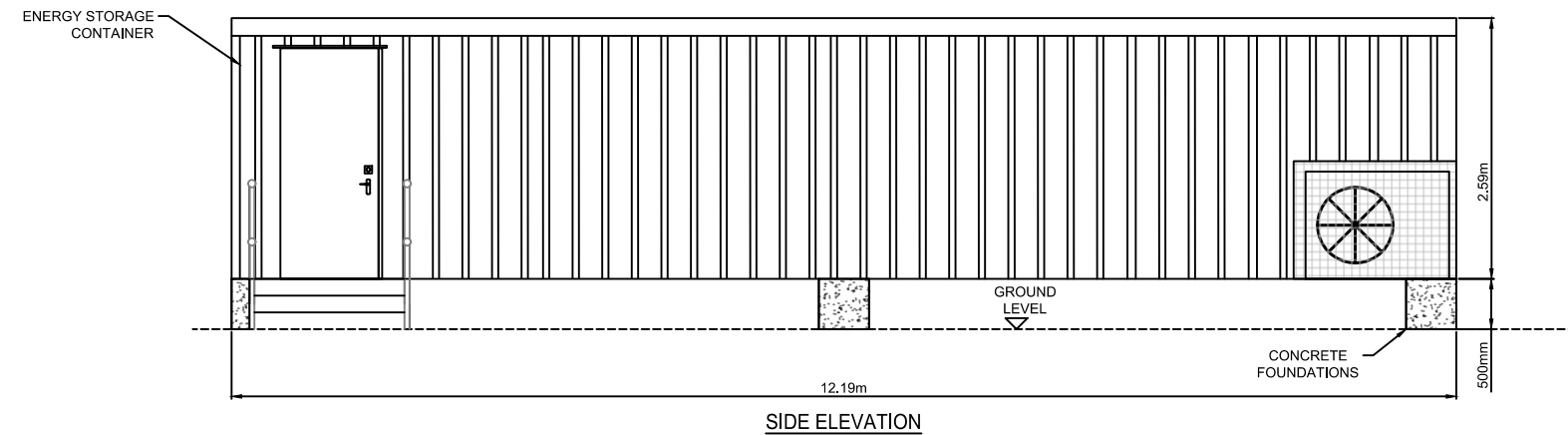
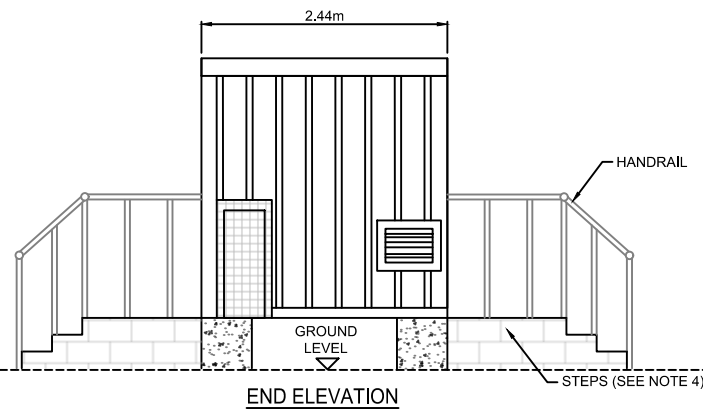
**TYPICAL ENERGY
STORAGE CONTAINER
ELEVATION**

NOTES:

1. ALL DIMENSIONS ARE MAXIMUM ANTICIPATED AND SUBJECT TO DETAILED DESIGN
2. DOOR AND STEPS POSITIONS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.
3. APPROXIMATE FINISHED FLOOR LEVEL 500mm ABOVE EXISTING GROUND LEVEL.
4. STEPS TO BE EITHER CONSTRUCTED ON SITE FROM MASS CONCRETE OR MASONRY BLOCKS OR PREFABRICATED OFF SITE AND INSTALLED ON SITE FOLLOWING POSITIONING OF THE STORAGE UNIT.
5. THE LOCATION AND SIZE OF ENERGY STORAGE UNIT WITHIN THE CONTAINER TO BE DETERMINED AT DETAILED DESIGN STAGE.
6. EXTERNAL COLOUR OF ENERGY STORAGE UNIT TO BE AGREED WITH PLANNING AUTHORITY

KEY:

-  DOOR
-  PASSIVE INFRARED LIGHTING (PLAN)
-  PASSIVE INFRARED LIGHTING (ELEVATION)



LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2214-01

SCALE - 1:75 @ A3

ENVIRONMENTAL STATEMENT

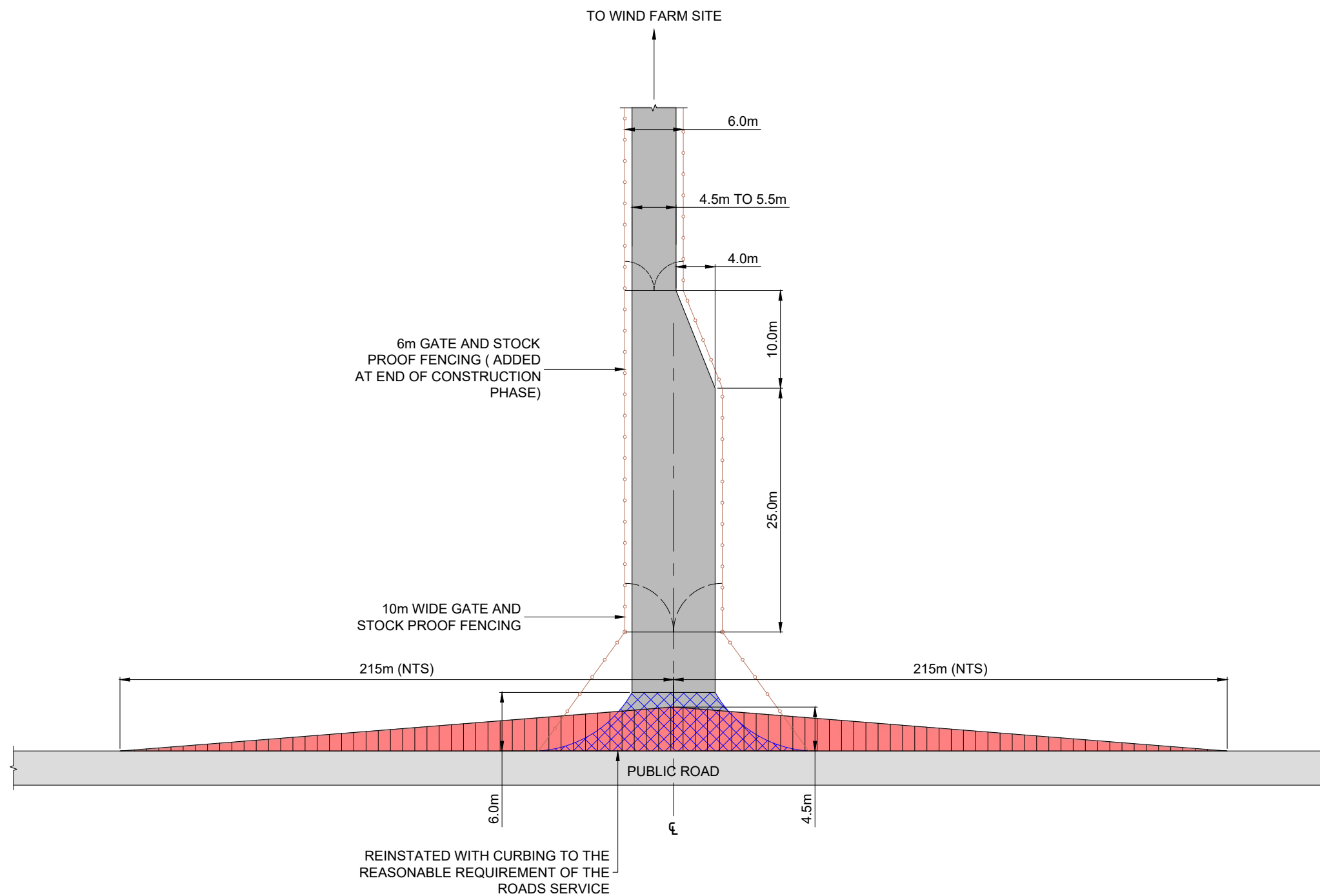
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**BALLYGILBERT
WIND FARM**

FIGURE 1.10

SITE ENTRANCE



TYPICAL ENTRANCE PLAN VIEW

KEY

- MINIMUM 150mm TYPE 1 SUB-BASE SOFT AREAS AND UNSUITABLE MATERIAL (PEAT, TOPSOIL, SILT) TO BE REMOVED.
- 60:40 BITMAC RUNNING COURSE.
- MINIMUM FALL FROM ENTRANCE GATE TO PUBLIC ROAD 1:100.
- EXISTENCE OF SERVICES TO BE CHECKED WITH RELEVANT AUTHORITIES.
- MINIMUM REQUIREMENTS FOR VISIBILITY IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES.
- VEGETATION TO BE CUT AS NECESSARY.
- AREA TO BE LEVELLED TO BETWEEN 150mm AND 250mm ABOVE THE LEVEL OF THE CARRIAGEWAY.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2406-01

SCALE - 1:500 @ A3

ENVIRONMENTAL STATEMENT

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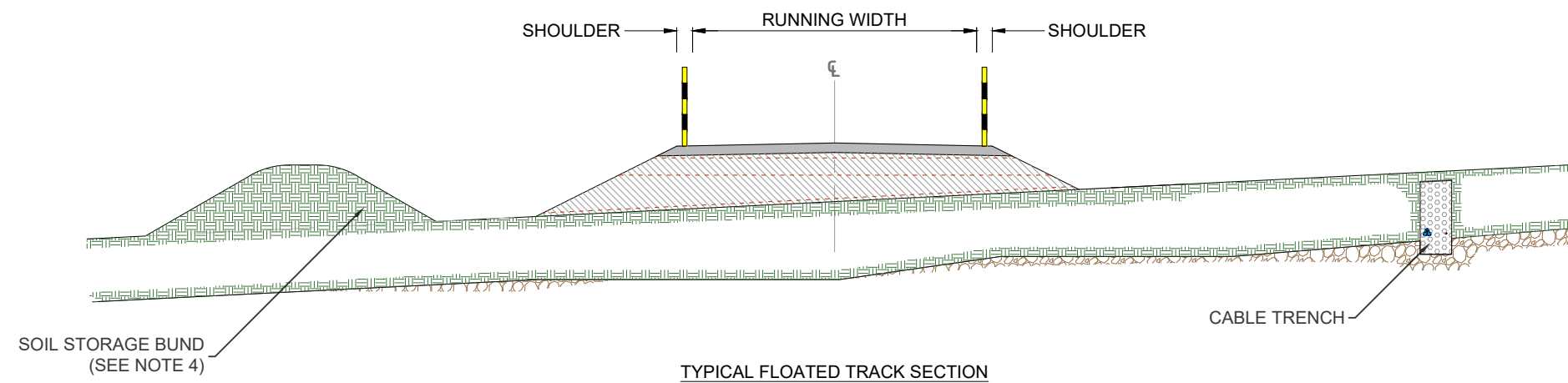
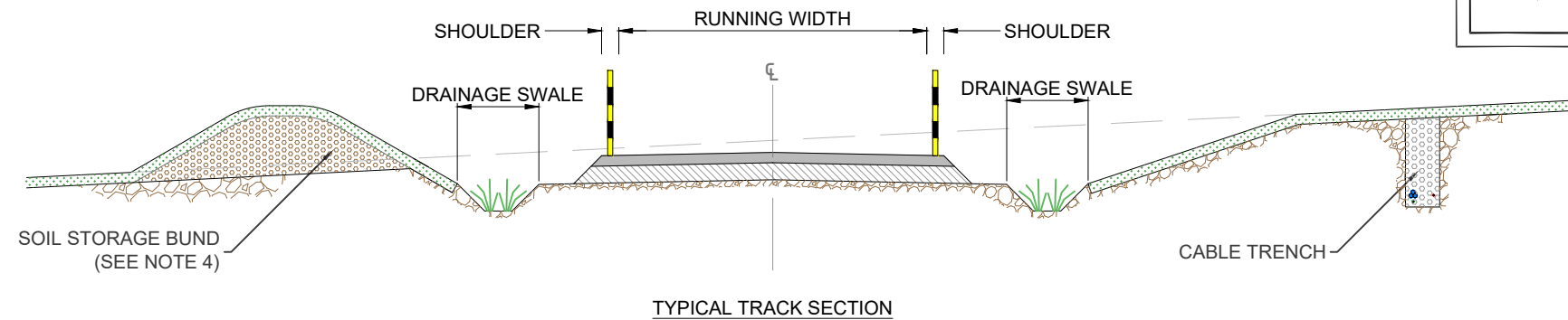
**BALLYGILBERT
WIND FARM**

FIGURE 1.11

**ACCESS TRACK
TYPICAL DETAILS**

KEY:

-  RUNNING SURFACE
-  BASE/CAPPING LAYER
-  TOPSOIL
-  SUBGRADE
-  PEAT LAYER/SOFT GROUND
-  GEOGRID
-  EXISTING GROUND LEVEL
-  SNOW POLES (WHERE REQUIRED)



NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. TRACK WIDTH TO INCREASE ON BENDS AND PASSING PLACES.
3. ALL EMBANKMENT SLOPES TO BE PROVIDED AT A STABLE ANGLE BASED ON THE PROPERTIES OF THE MATERIAL ENCOUNTERED ON SITE.
4. EXCAVATED MATERIAL WILL BE PLACED IN AGREED LOCATIONS. REINSTATEMENT AND/OR SPOIL MANAGEMENT PLANS WILL BE DEVELOPED IN LINE WITH CURRENT BEST PRACTICE.
5. TRACK CONSTRUCTION TYPE TO BE DETERMINED DURING DETAILED DESIGN. LAYOUT OF DRAINAGE, CABLE TRENCHES AND STORAGE BUNDS MAY VARY.
6. RUNNING SURFACE AND BASE/CAPPING LAYER TO BE FORMED FROM SUITABLE MATERIALS COMPACTED IN LAYERS.
7. GEOSYNTHETIC REINFORCEMENT OR SOIL STABILISATION MAY BE USED TO REDUCE THE DEPTH OF TRACK CONSTRUCTION. REQUIREMENT TO BE DETERMINED DURING DETAILED DESIGN.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2301-01

SCALE - NOT TO SCALE

ENVIRONMENTAL STATEMENT

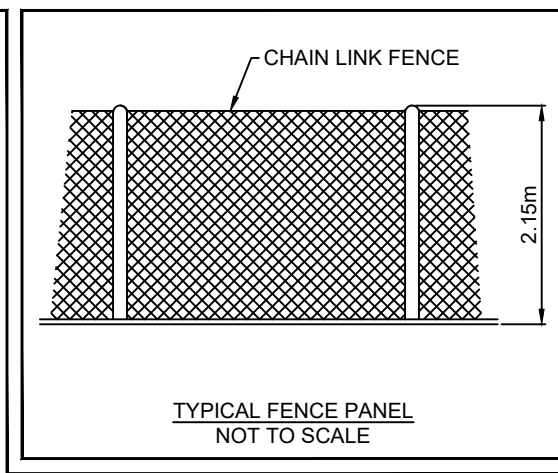
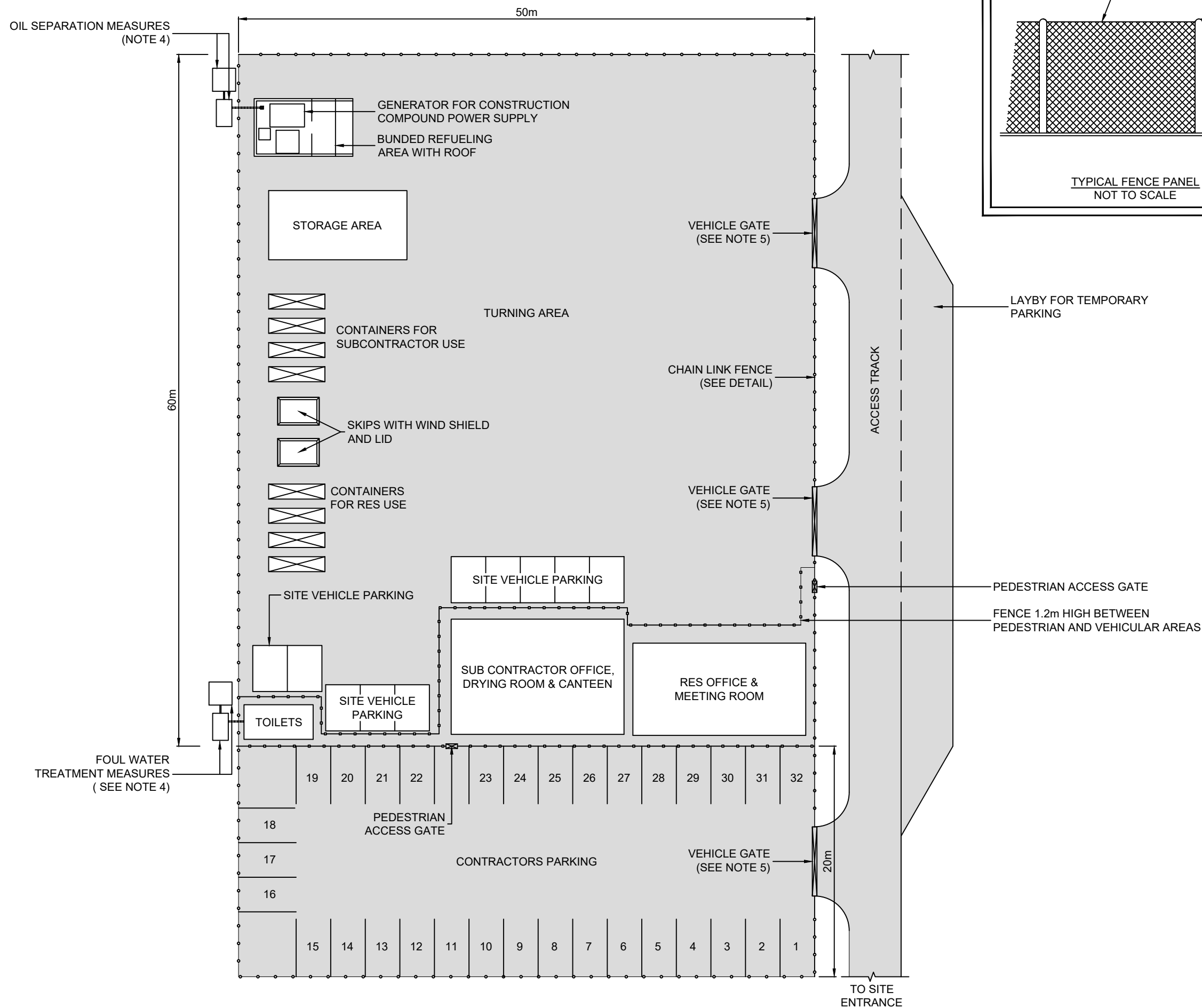
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BALLYGILBERT WIND FARM

FIGURE 1.12

TEMPORARY CONSTRUCTION COMPOUND LAYOUT PLAN



NOTES

1. SIZE, NUMBER AND LOCATION OF COMPOUND EQUIPMENT AND FACILITIES ARE INDICATIVE ONLY
2. STRUCTURE TO BE TEMPORARY AND TO BE REMOVED AFTER CONSTRUCTION.
3. COMPOUND HARDSTANDING CONSISTING OF COMPACTED STONE OVER A LAYER OF GEOTEXTILE TO PROVIDE A CLEAN, FIRM, LEVEL AND FREE DRAINING SURFACE SUITABLE FOR CABINS AND HEAVY TRAFFIC.
4. APPROPRIATE MEASURES FOR SEPARATION OF OILS AND TREATMENT OF FOUL WATER TO BE AGREED WITH THE RELEVANT AUTHORITIES.
5. VEHICULAR GATES TO BE 6m WIDE CONSISTING OF 2 x 3m LEAVES

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2215-01

SCALE - AS SHOWN @ A3

ENVIRONMENTAL STATEMENT

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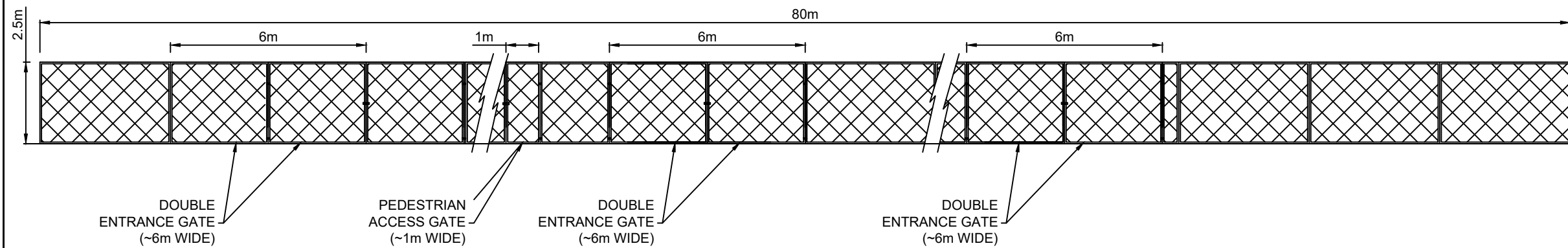
PLAN
SCALE - 1:350 @ A3



**BALLYGILBERT
WIND FARM**

FIGURE 1.13

**TEMPORARY
CONSTRUCTION
COMPOUND ELEVATION**



SECURITY FENCE ELEVATION
SCALE - 1:150

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2216-01

SCALE - AS SHOWN @ A3

ENVIRONMENTAL STATEMENT

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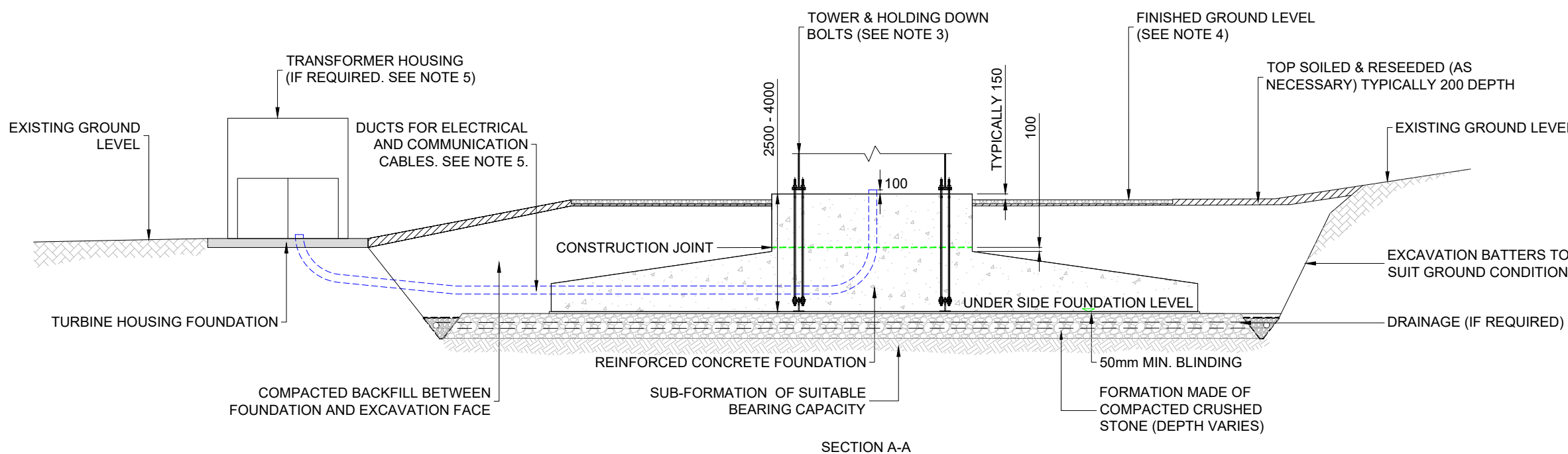
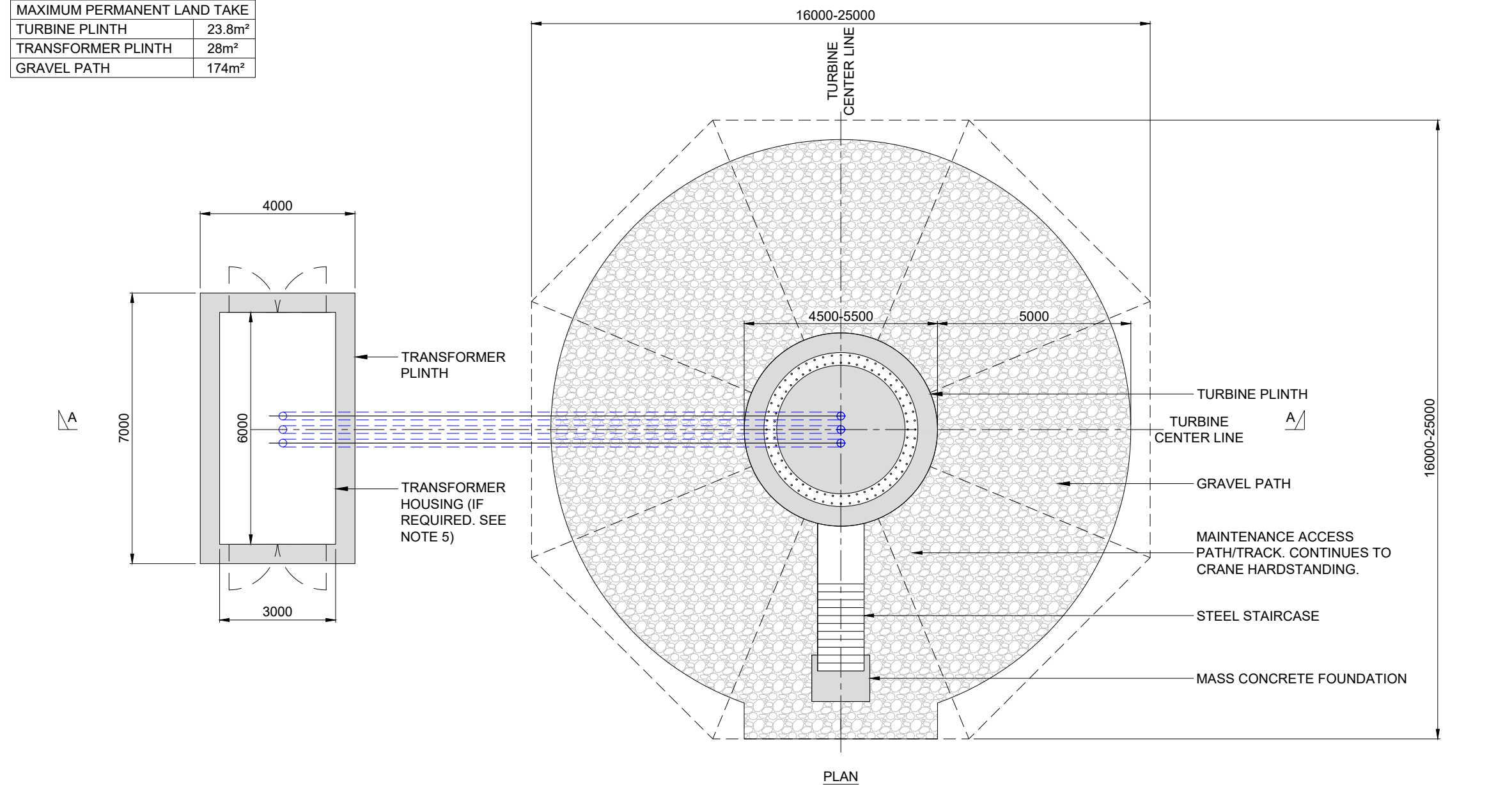


BALLYGILBERT WIND FARM

FIGURE 1.14

WIND TURBINE FOUNDATION

MAXIMUM PERMANENT LAND TAKE	
TURBINE PLINTH	23.8m ²
TRANSFORMER PLINTH	28m ²
GRAVEL PATH	174m ²



NOTES:

- DIMENSIONS AND DETAILS ARE INDICATIVE ONLY AND MAY VARY DUE TO SPECIFIC TURBINE OR GROUND CONDITIONS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED
- THE HOLDING DOWN BOLT ARRANGEMENT SHOWN ON THIS DRAWING IS TYPICAL. HOWEVER ALTERNATIVE CAST IN ARRANGEMENTS ARE AVAILABLE AND MAY BE SUBSTITUTED DEPENDING ON ACTUAL TURBINE SELECTION.
- GRADIENT OF FINISHED GROUND LEVEL OVER TURBINE BASE, MAX 1:12.
- EXTERNAL TRANSFORMER NOT REQUIRED FOR ALL TURBINES AND NEED FOR TRANSFORMER HOUSING WILL DEPEND ON THE TURBINE SELECTED DURING DETAILED DESIGN.
- MATERIALS ARISING FROM EXCAVATIONS TO BE SEGREGATED AND PLACED IN AGREED LOCATIONS ADJACENT TO THE WORKING AREA FOR RE-USE. REINSTATEMENT AND /OR PEAT MANAGEMENT PLANS WILL BE DEVELOPED DURING THE DETAILED DESIGN OF SITE INFRASTRUCTURE, IN LINE WITH CURRENT BEST PRACTICE.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER **03128D2302-01**

SCALE - 1:125 @ A3

ENVIRONMENTAL STATEMENT

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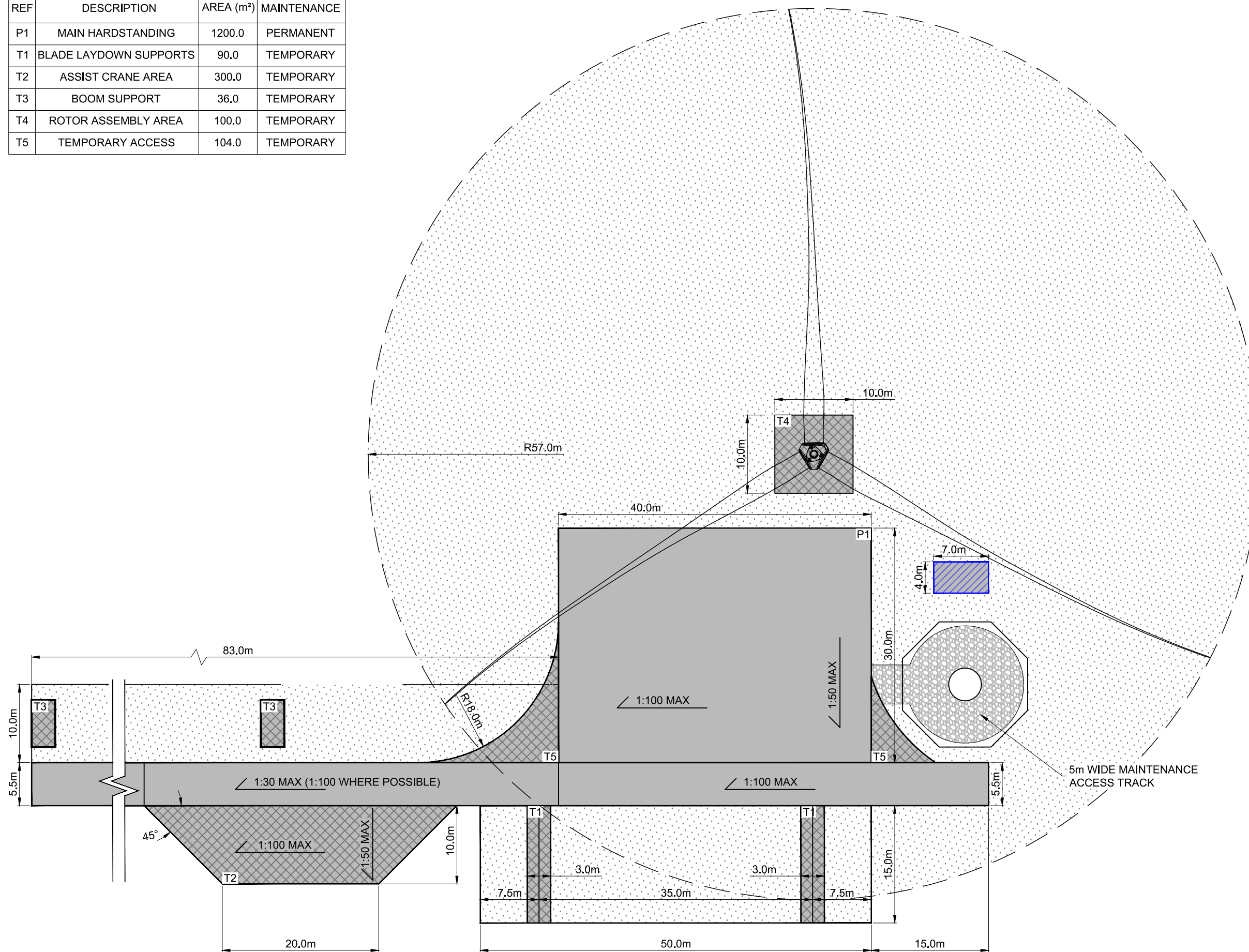


**BALLYGILBERT
WIND FARM**

FIGURE 1.15

**CRANE HARDSTANDING
GENERAL ARRANGEMENT**

REF	DESCRIPTION	AREA (m ²)	MAINTENANCE
P1	MAIN HARDSTANDING	1200.0	PERMANENT
T1	BLADE LAYDOWN SUPPORTS	90.0	TEMPORARY
T2	ASSIST CRANE AREA	300.0	TEMPORARY
T3	BOOM SUPPORT	36.0	TEMPORARY
T4	ROTOR ASSEMBLY AREA	100.0	TEMPORARY
T5	TEMPORARY ACCESS	104.0	TEMPORARY



KEY:

- PERMANENT WORKS
- TEMPORARY WORKS
- EXTERNAL TRANSFORMER AND SWITCHGEAR ENCLOSURE
- AREA TO BE FREE FROM TOPOGRAPHICAL CONSTRAINTS
- MAINTENANCE ACCESS TRACK

NOTES:

1. ALL DIMENSIONS IN METRES.
2. HARDSTANDING ARRANGEMENT SUBJECT TO CHANGE DEPENDANT ON SPECIFIC WIND TURBINE MODEL SELECTED FOR CONSTRUCTION.
3. ALL HARDSTANDINGS TO BE CONSTRUCTED ON SUITABLE FOUNDATION MATERIAL.
4. ALL HARDSTANDINGS TO BE FINISHED WITH CRUSHED ROCK, FORMING A FREE DRAINING SURFACE.
5. TRACK ADJACENT TO CRANE HARDSTANDING TO BE DESIGNED TO ACCEPT CRANE OUTRIGGER LOADING.
6. THE PRELIMINARY CRANE HARDSTANDING LAYOUT HAS BEEN DEVELOPED TO ACCOMMODATE EITHER A SINGLE BLADE LIFT OR FULL ROTOR LIFT.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
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SCALE - 1:500 @ A3

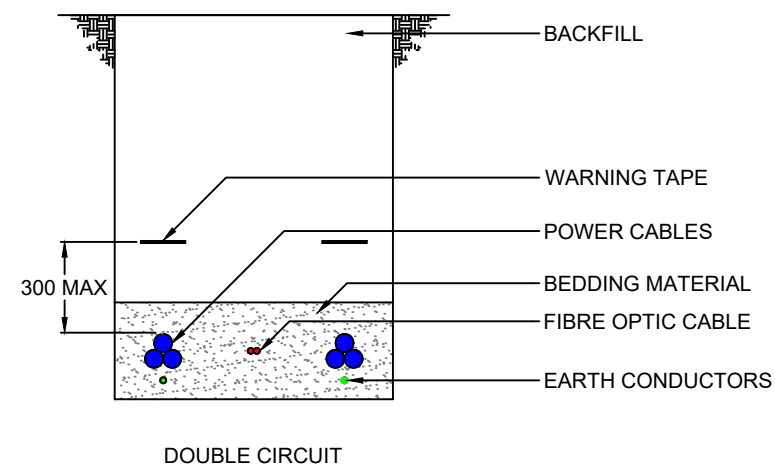
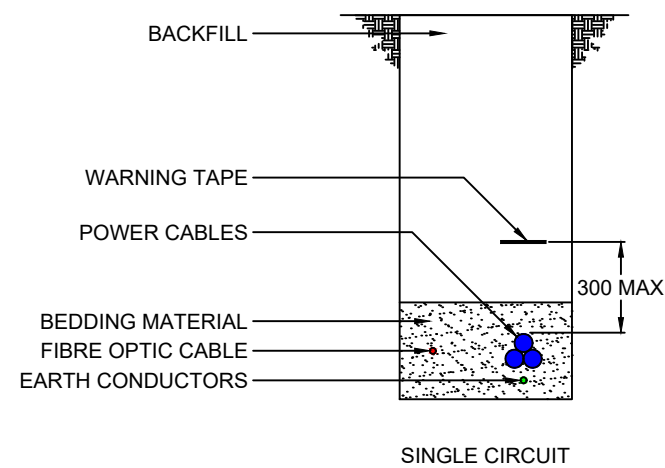
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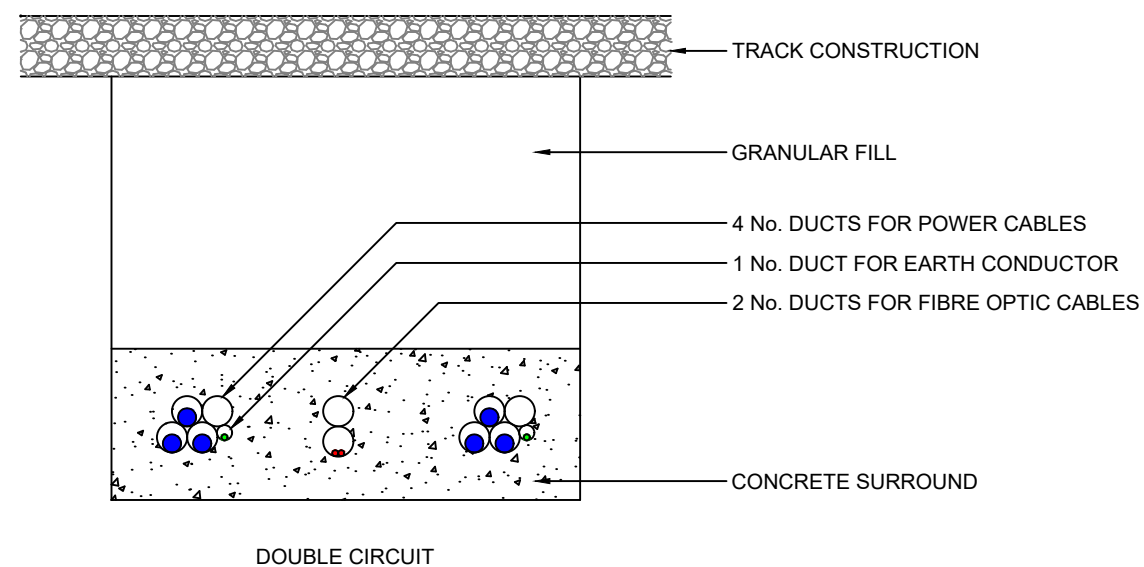
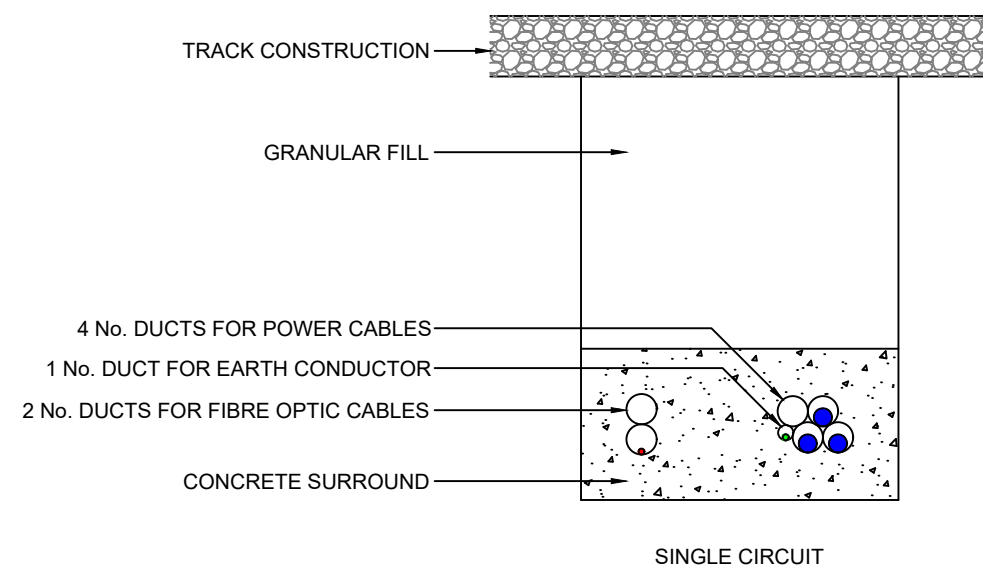
**BALLYGILBERT
WIND FARM**

FIGURE 1.16

**CROSS SECTION
OF UNDERGROUND
CABLE TRENCH**



TYPICAL CABLE TRENCHES



TYPICAL TRACK CROSSINGS

NOTES:

1. THIS DRAWING IS INDICATIVE ONLY AND IS SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE.
2. ALL DIMENSIONS IN mm.
3. CABLES MAY BE INSTALLED BY CABLE PLOUGH FOR DISTANCES GREATER THAN 1km.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2304-01

SCALE - NOT TO SCALE

ENVIRONMENTAL STATEMENT

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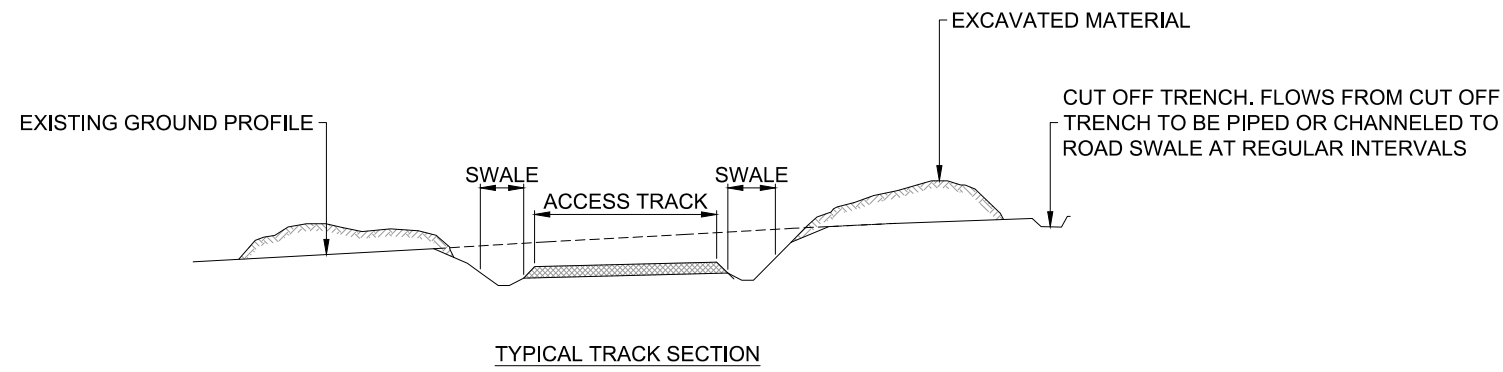
**BALLYGILBERT
WIND FARM**

FIGURE 1.17

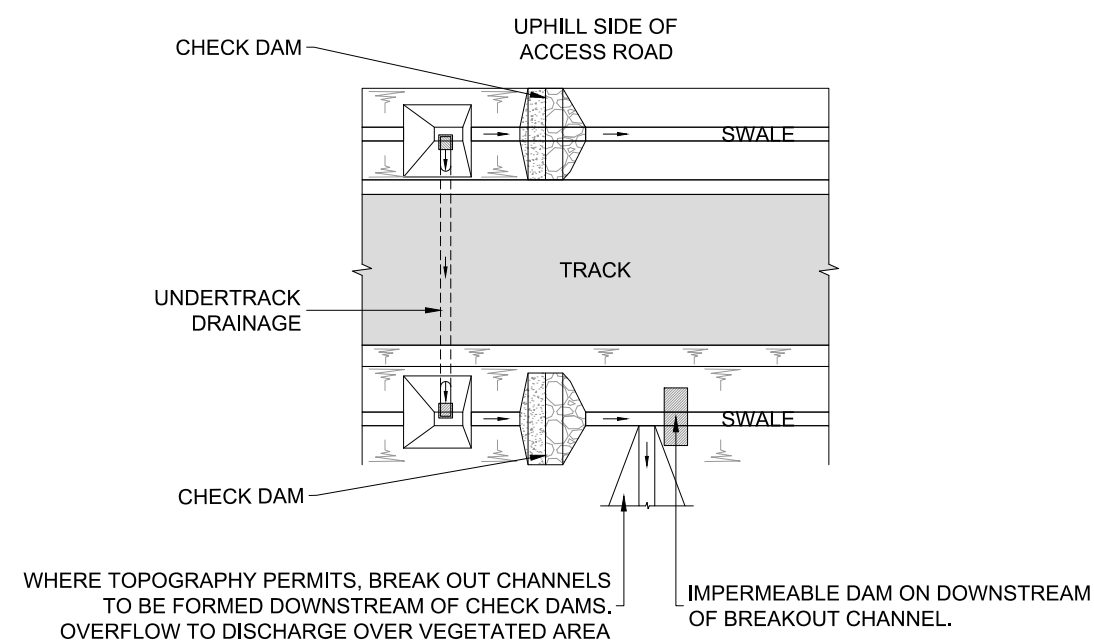
**TYPICAL DRAINAGE
DETAILS**

NOTES:

1. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS ROAD.
2. SUSTAINABLE PREVENTION MEASURES SHOULD BE IN PLACE AT ALL TIMES TO PREVENT THE CONVEYANCE OF SILTS TO RECEIVING WATERCOURSE.
3. DRAINAGE SWALES TO BE EXCAVATED ADJACENT TO THE ACCESS TRACK. REGULAR CROSS DRAINS TO BE LOCATED ALONG ACCESS TRACKS TO PREVENT EXCESSIVE VOLUMES OF WATER COLLECTING IN THE SWALES.
4. ROADSIDE SWALES TO BE SHALLOW WITH MODERATE GRADIENTS TO PREVENT SCOURING. IN STEEP AREAS CHECK DAMS WILL BE DESIGNED TO REDUCE FLOW RATE AND PROVIDE SOURCE CONTROL SILT CONTAINMENT. WHERE NECESSARY THESE WILL BE DESIGNED IN CONJUNCTION WITH SETTLEMENT PONDS AND/OR CROSS DRAINS.
5. BUILD UP OF SILT LEVELS AT CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. SILT LEVELS AT CHECK DAMS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME.
6. SPACING AND FREQUENCY OF CHECK DAMS WILL BE DEPENDENT UPON LONGITUDINAL GRADIENT OF SWALE.



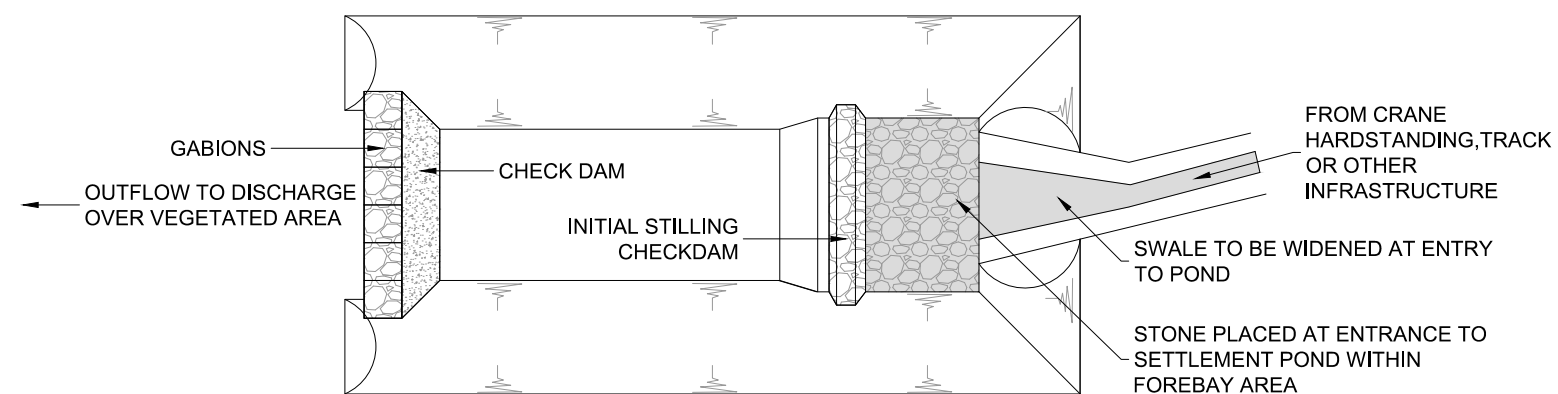
TYPICAL UNDER TRACK DRAINAGE



TYPICAL TRACK PLAN



TYPICAL CHECK DAM



TYPICAL SETTLEMENT POND



TYPICAL SETTLEMENT POND

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2305-01

SCALE - NOT TO SCALE

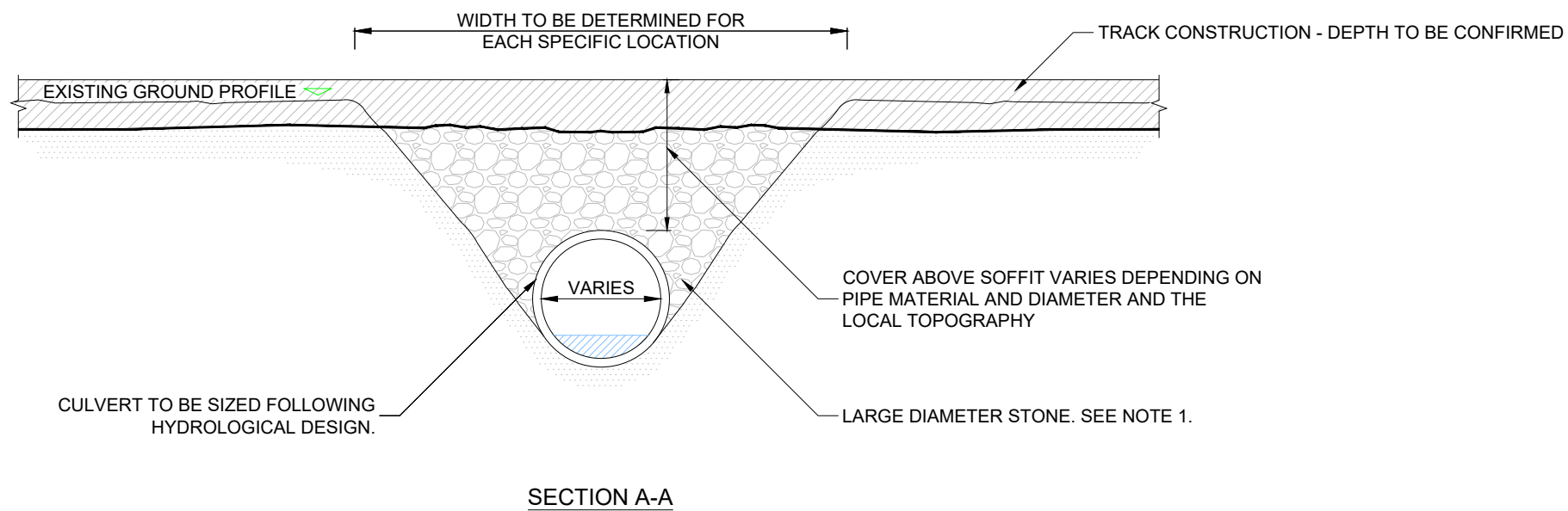
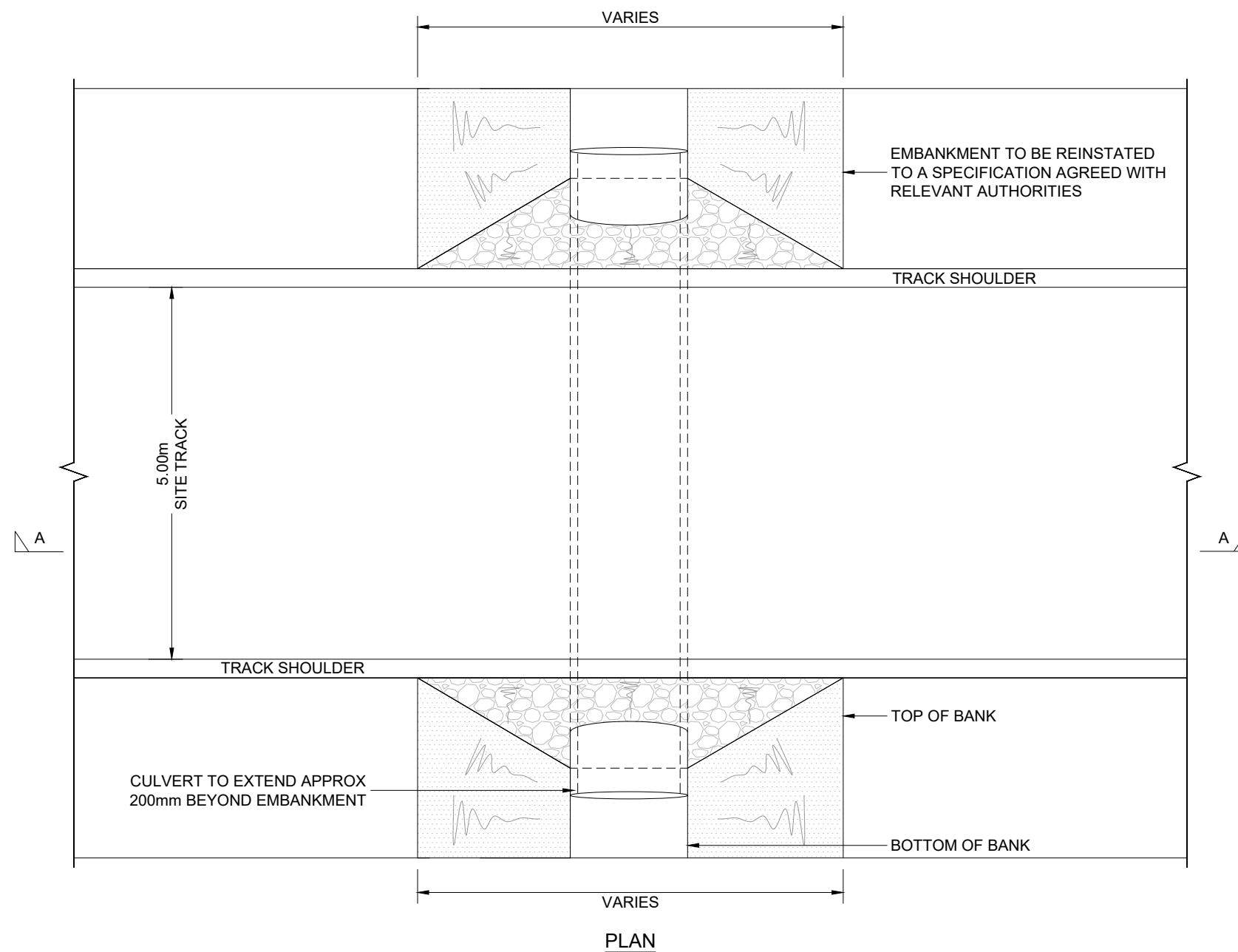
ENVIRONMENTAL STATEMENT



**BALLYGILBERT
WIND FARM**

FIGURE 1.18

**TYPICAL WATER
CROSSING DESIGN**



NOTES:

1. FINAL SPECIFICATION AND INSTALLATION METHOD TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITIES.
2. CULVERT TYPE AND SIZING TO BE DEFINED DURING DESIGN OF ON-SITE DRAINAGE SYSTEMS.
3. INFILL MATERIAL TO BE CLEAN CRUSHED ROCK.

LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03128D2217-01

SCALE - NOT TO SCALE

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