

Seymour, Sarah

From: Gedney, David
Sent: 27 April 2015 15:23
To: _planningadvice
Subject: FW: Condition Compliance Application H13-0211-15 - Wind turbine, Snake Hall Cottage, 105 Eaugate Road, Moulton Eaugate - REG Wind Power
Attachments: CEL-LI-25-DCW-PCFL-low-intensity-obstruction-warning-light.pdf; Details 28.2.2015.pdf

Please scan – Additional info

David Gedney | Senior Planning Officer | South Holland District Council
dgedney@sholland.gov.uk
DDI: 01775 764468 |
www.sholland.gov.uk

From: Antony Pettifer [<mailto:apettifer@iconsulting.uk.com>]
Sent: 27 April 2015 14:54
To: Gedney, David
Subject: RE: Condition Compliance Application H13-0211-15 - Wind turbine, Snake Hall Cottage, 105 Eaugate Road, Moulton Eaugate - REG Wind Power

David,

Further to our telephone conversation last week please and in response to your e-mail please find attached the following.

1. As confirmed, the RAL colour is noted on the site layout
2. A fully revised landscaping plan is attached
3. Our client's specification for aviation lighting to the anemometry mast is attached.

I hope this allows the application to go forward to determination but should any further information be required please feel free to call at any time.

Regards,

Antony Pettifer | [Architectural](#)



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Please consider the environment! - Don't print this e-mail unless absolutely necessary

From: Gedney, David [<mailto:DGedney@sholland.gov.uk>]

Sent: 24 April 2015 11:41

To: 'apettifer@iconsulting.uk.com'

Subject: Condition Compliance Application H13-0211-15 - Wind turbine, Snake Hall Cottage, 105 Eaugate Road, Moulton Eaugate - REG Wind Power

Dear Mr Pettifer,

I write in relation to the above condition compliance application and request clarification in respect of the following matters:

- 1) Will the whole of the turbine be white? The original drawings indicated that the lower section of the tower would be a different colour.
- 2) The new planting adjacent Eaugate Road appears to be within 9 metres of a South Holland Internal Drainage Board. Unless the SHIDB is agreeable it will need to be repositioned at least 9m from the brink of the drain.
- 3) Condition 20 requires aviation lighting in respect of the temporary anemometry mast. However, such details do not appear to have been submitted.

I look forward to receipt of such details in due course.

Regards.

David Gedney

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10-60Vdc Low-intensity - Defence Estates - Ministry of Defence
- satisfies minimum vertical obstruction lighting criteria

Key features

- Based on LED-technology
- Extremely reliable - long lifetime
- Suitable for off-shore use
- Very low power consumption
- Wide 10 to 60 VDC input voltage
- Stabilised light output
- Lightweight and small – low wind load factor
- Easy to install, several mounting sets available
- Two cable glands, easy to chain without external junction boxes
- No RF-radiations
- Five (5) year warranty

Benefits

- Long maintenance intervals
- Low energy cost
- Supply voltage variations do not effect light output
- Very low total lifetime costs
- Low wind load

Specifications met

- Satisfies Ministry of Defence minimum vertical obstruction lighting criteria
- Recommended Standards and Practises
- Defence Estates UK -

Optical characteristics

- Intensity better than 25 cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 15°
- LED supply current stabilised by constant current generator
- Light output degradation less than 30% after 100,000hrs of operation

Electrical characteristics

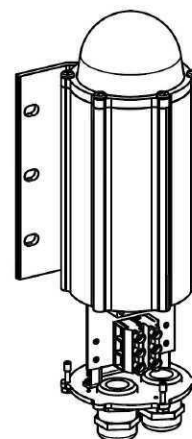
- Input voltage range 10 - 60 V_{DC}
- Power consumption less than 2.5 W
- Current consumption when light is OFF: 2 mA
- Overvoltage protection

Mechanical characteristics

- Anodised marine grade aluminium body and end parts
- AISI 316 acid proof steel screws
- Colourless (clear) glass cover
- Terminal box for 1,5 - 6 mm² wires
- Degree of protection IP 65
- Operating temperature range -55°C to +75°C
- Height 210 mm, diameter 104 mm, weight 1.1 kg
- Wind load with CEL-MS-EV60 mounting kit @ 200 km/h less than 40 N

Options

- Mounting kits
- Without Photocell & Flasher: Ref CEL-LI-25-DCW-F datasheet

Order Code: **CEL-LI-25-DCW-PCFL****CEL-LI-25-DCW-PCFL - LED obstacle light****Photocell characteristics**

- Turn on delay 1 s
- Turn off delay 200 s
- User selectable photocell sensitivity (bold = factory default)
OFF/200 lux / 400 lux / **800 lux**

Flash controller characteristics

- User selectable flashing rate (bold = factory default)
Steady burning / 20 fpm / 40 fpm / 60 fpm
- 250 ms flash duration

**OPERATING VOLTAGE RANGE**
10-60 V_{DC}

**CAUTION ! LED RADIATION**
DO NOT STARE INTO LED BEAM OR VIEW
DIRECTLY WITH OPTICAL INSTRUMENTS.
CLASS 2A LED PRODUCT

Made in EU

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ELECTRICAL INSTALLATION INSTRUCTIONS

CEL-LI-25-DCW-PCFL have two cable glands for easy chaining without external junction boxes

CEL-LI-25-DCW-PCFL is an obstacle light utilising LED technology. The cabling and installation principles are similar to those of conventional obstacle lights.

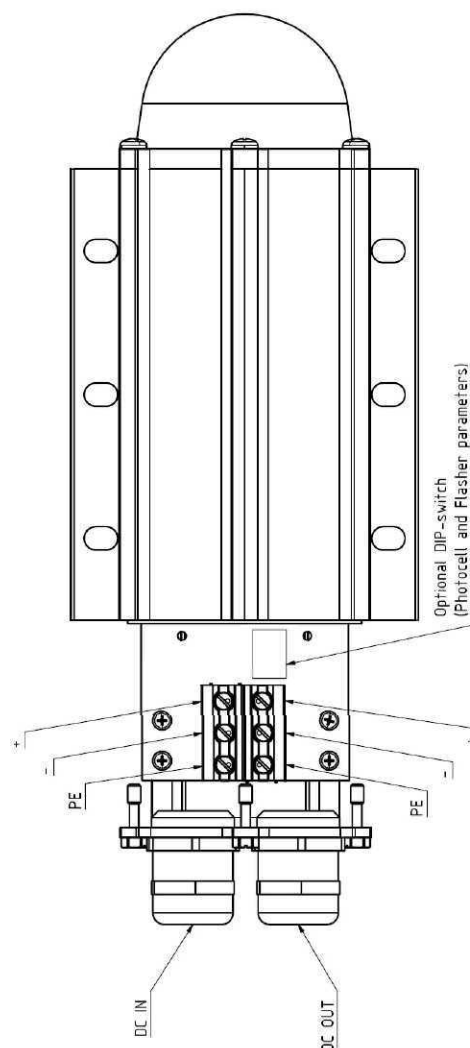
Connection can be protected with a 6A or 10A fuse or with a circuit breaker (C curve).

Installation specifications

- Cable gland: M25
- Cable diameter: 11 to 17 mm
- Wire diameter: max. 6 mm²
- Recommended cable: 3x1.5 mm² or 3x2.5 mm²

Options

- **CGS-20:** Smaller cable glands
- Set include 2 pcs M20 cable glands with M25-M20 adapters for 7-13 mm cables



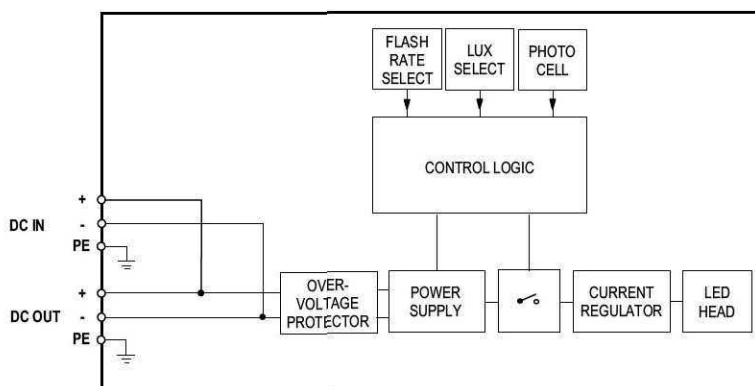
PCFL DIP switches

DIP1	DIP2	PHOTOCELL
OFF	OFF	OFF (light always ON)
ON	OFF	200 lux
OFF	ON	400 lux
ON	ON	800 lux

DIP3	DIP4	FLASH RATE - flash duration 250ms
OFF	OFF	STEADY BURNING
ON	OFF	20 fpm
OFF	ON	40 fpm
ON	ON	60 fpm

	OFF	ON
1.	☐	☐
2.	☐	☐
3.	☐	☐
4.	☐	☐

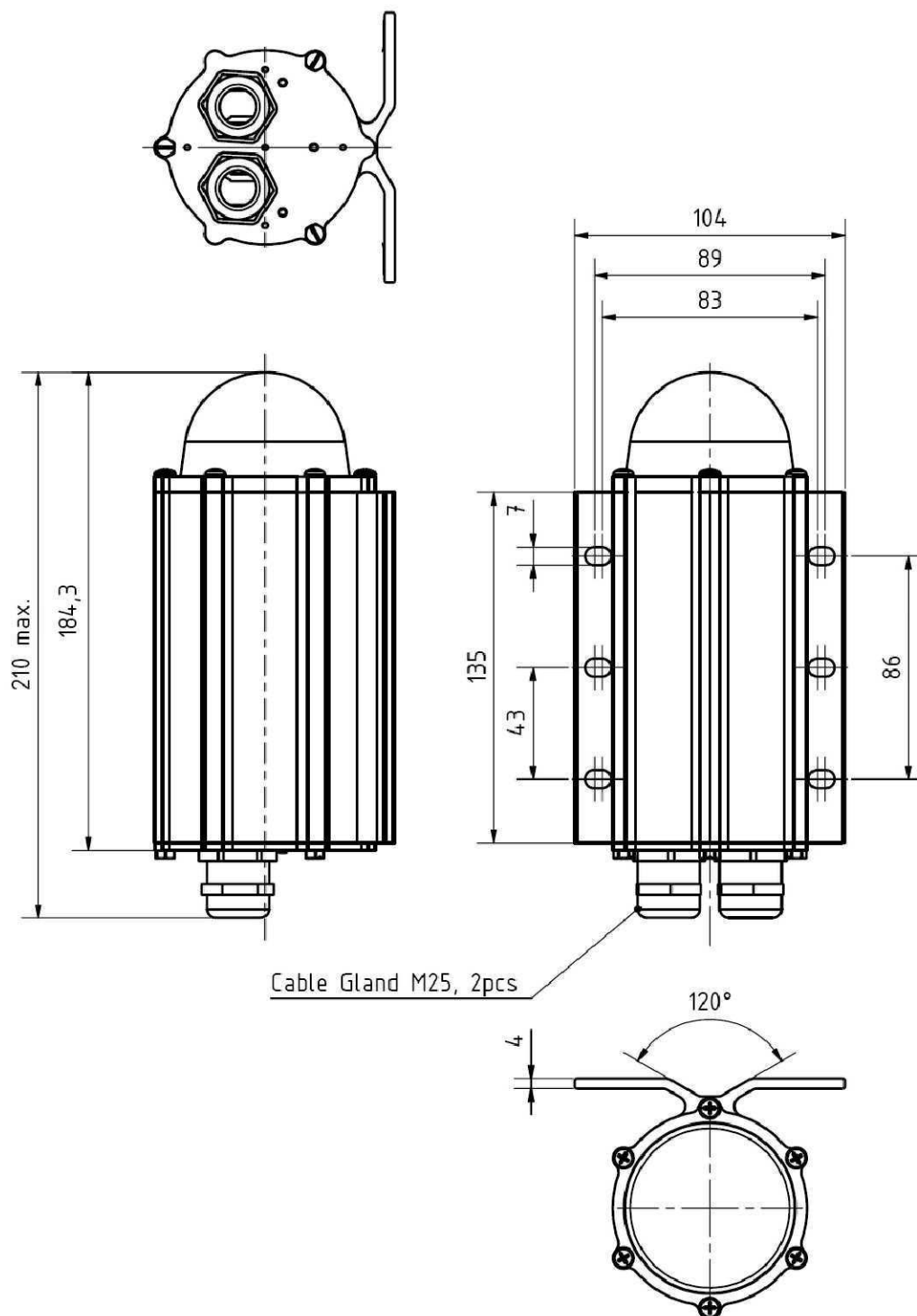
Default DIP settings:
800 lux, steady burning



CEL-LI-25-DCW-PCFL block diagram

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Mechanical dimensions



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There are several types of mounting sets available as option:

CEL-MS-HV80

Mounting set for 33-80 mm vertical or horizontal pipe

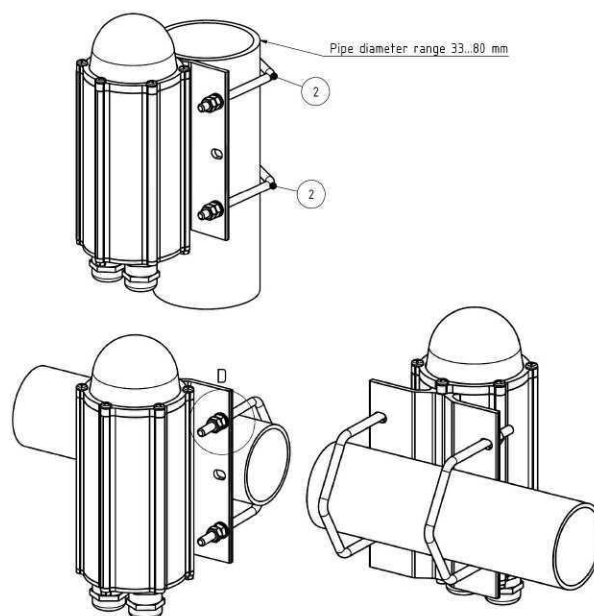
Mounting set includes:

- 2 pcs M6 U-bolt
- 8 pcs M6 hex nut
- 4 pcs 6/12 mm washer

All parts AISI 316 acid proof steel

More detailed mechanical data: CEL-MS-HV80 datasheet

Order Code: **CEL-MS-HV80**



CEL-MS-EV60

Mounting set with extension plate for 30-60 mm vertical pipe installation

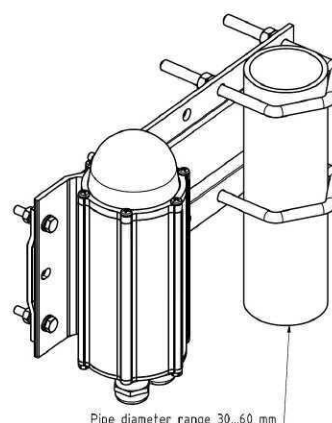
Mounting set includes:

- 2 pcs M6 U-bolt, 8 pcs M6 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AISI 316 acid proof steel

More detailed mechanical data: CEL-MS-EV60 datasheet

Order Code: **CEL-MS-EV60**



CEL-MS-EV100:

Mounting set with extension plate for 60-100 mm vertical pipe installation

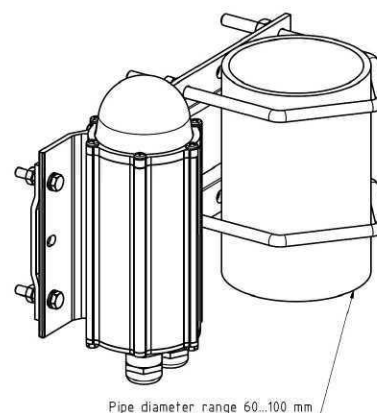
Mounting set include:

- 2 pcs M6 U-bolt, 8 pcs M6 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AISI 316 acid proof steel

More detailed mechanical data: CEL-MS-EV100 datasheet

Order Code: **CEL-MS-EV100**



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CEL-MS-EV150:

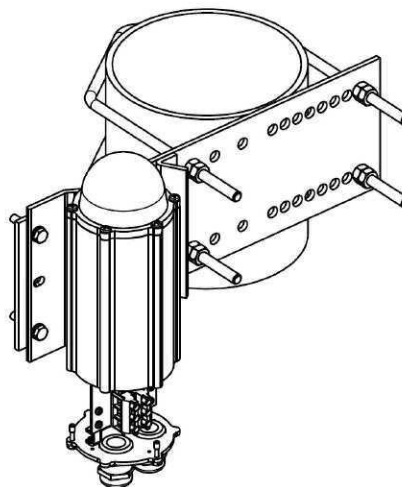
Mounting set with extension plate
for 100-150 mm vertical pipe installation

Mounting set includes:

- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate hot dipped galvanised steel,
other parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-EV150 datasheet

Order Code: **CEL-MS-EV150**

**CEL - MS-DV60:**

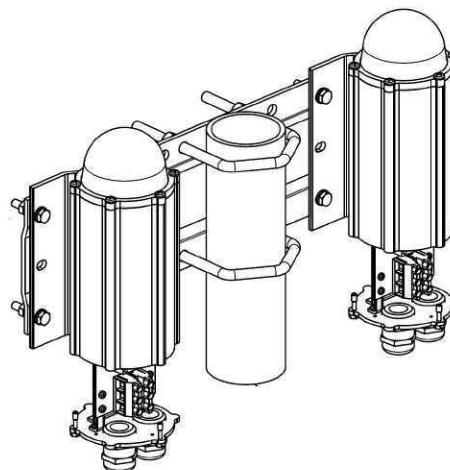
Double mounting set with extension plate
for 30-60 mm vertical pipe installation

Mounting set include:

- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 8 pcs M6x30 bolt, 16 pcs M6 hex nut, 8 pcs 6/12 washer
- 1 pcs extension plate

Extension marine grade anodised aluminium,
other parts AISI 316 acid proof steel
More detailed mechanical data: CEL - MS-DV60 datasheet

Order Code: **CEL - MS-DV60**

**CEL - MS-DV100:**

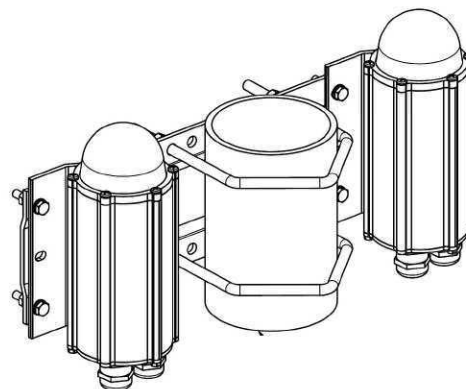
Double mounting set with extension plate
for 60-100 mm vertical pipe installation

Mounting set includes:

- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 8 pcs M6x30 bolt, 16 pcs M6 hex nut, 8 pcs 6/12 washer
- 1 pcs extension plate

Extension marine grade anodised aluminium,
other parts AISI 316 acid proof steel
More detailed mechanical data: CEL - MS-DV100 datasheet

Order Code: **CEL - MS-DV100**



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CEL-MS-RW

Mounting set for horizontal plate or wall installation

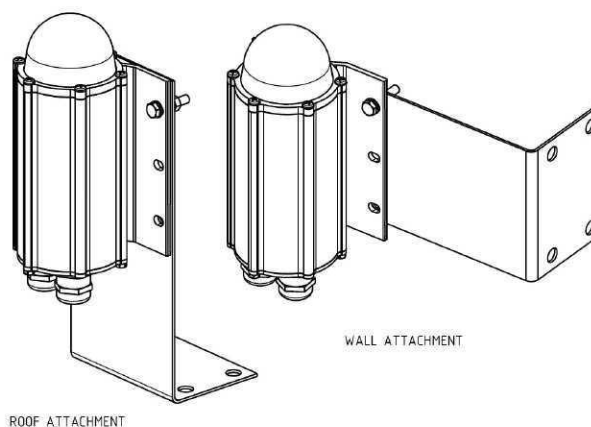
Mounting set includes:

- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs L-shape 2 mm plate

All parts AISI 316 acid proof steel

More detailed mechanical data: CEL-MS-RW datasheet

Order Code: **CEL-MS-RW**



CEL-MS-LVU

Mounting set for L and V-shape profiles

Mounting set include

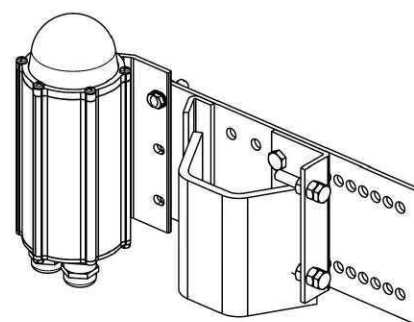
- 1 set accessories for light unit fitting to plate
- 1 pcs extension plate with adjusting plate and accessories

Extension plate hot dip galvanised steel, other parts

AISI 316 acid proof steel

More detailed mechanical data: CEL-MS-LVU datasheet

Order Code: **CEL-MS-LVU**

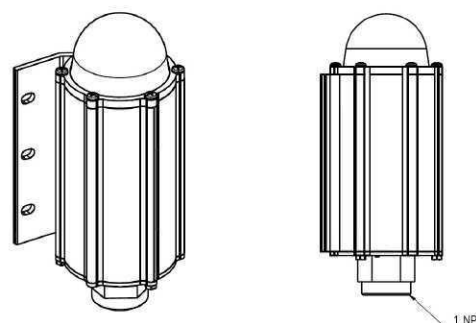


CEL-MS-N1B

Mounting set for 1" NPT at bottom

More detailed mechanical dimensions: CEL-MS-N1B dataheet

Order Code: **CEL-MS-N1B**



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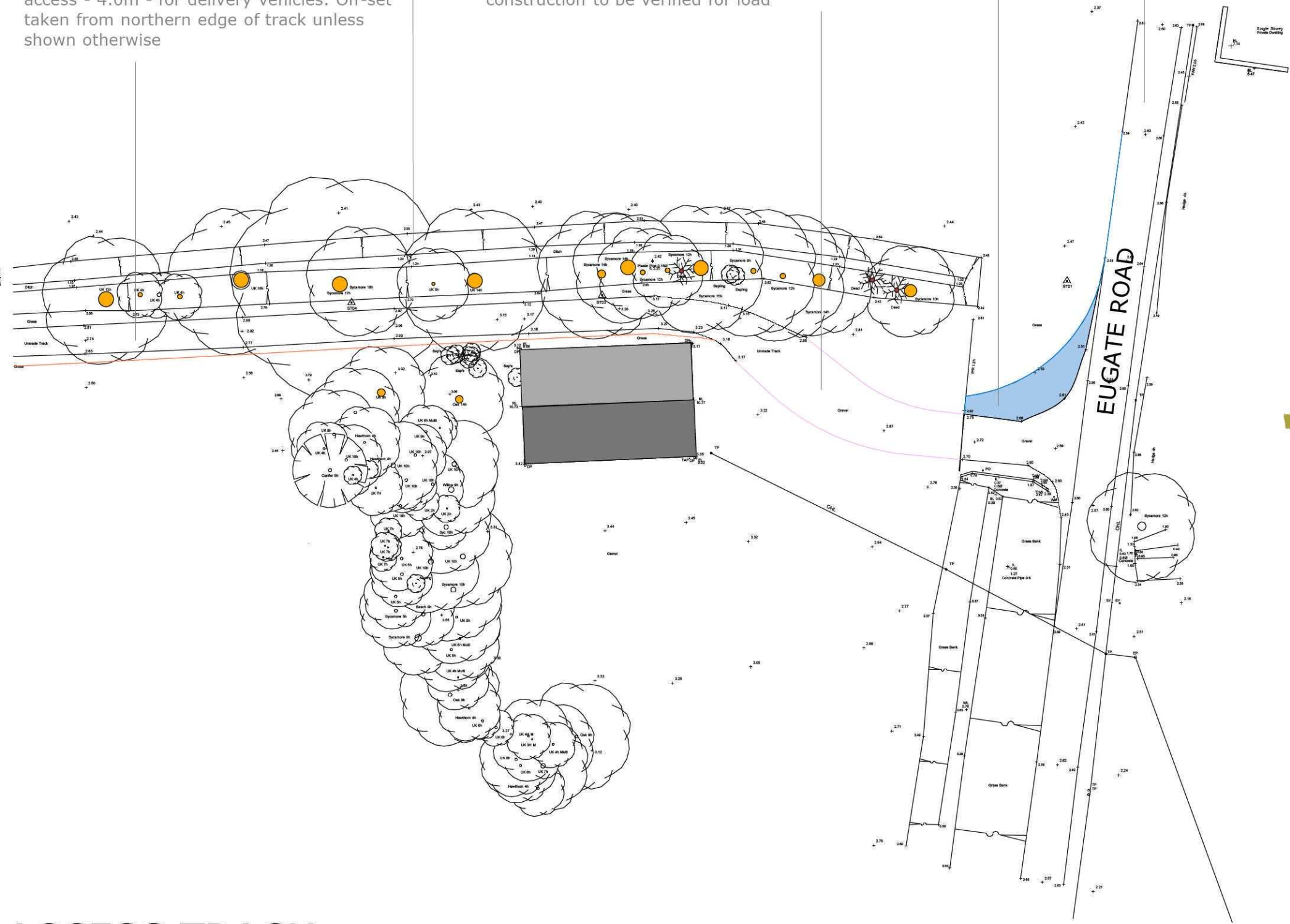
Existing trees to recieve pre-construction surgery
See LANDSCAPING

Red line indicates required extent of clear
access - 4.0m - for delivery vehicles. Off-set
taken from northern edge of track unless
shown otherwise

Aera at junction to be tempoarily graded and re-constructed to
allow delivery vehicles to turn - see COLLETT routing assessment

Predicted path of delivery vehicle over existing car park -
construction to be verified for load

Eugate Road unaffected by deliveries



ACCESS TRACK
junction to Eugate Road

LAND OF EUGATE ROAD
WIND TURBINE INSTALLATION

JOB : 2272

DRAWING : 01/04

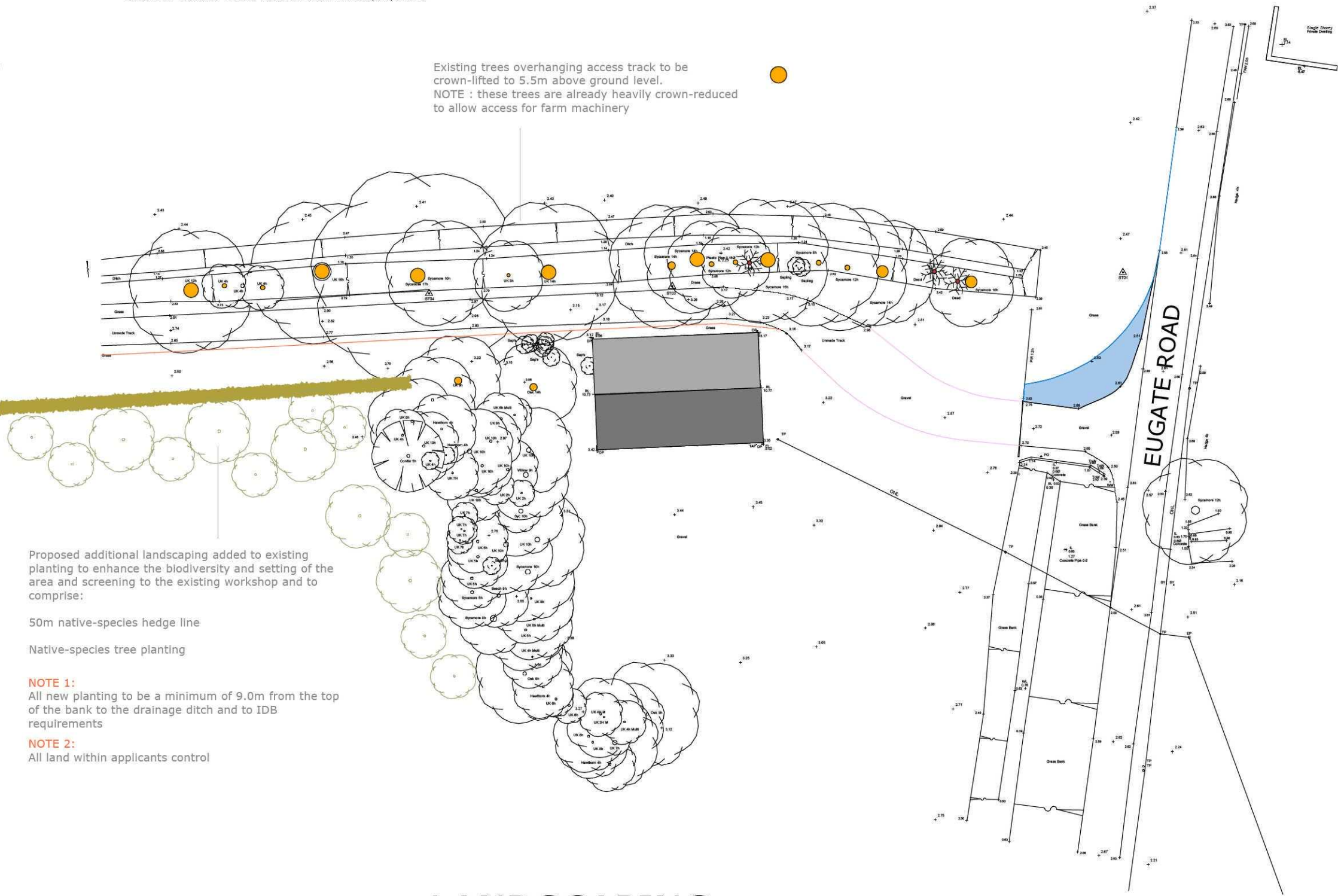
DATE : February 2015

CHAPEL MOULTON
DOC APPLICATION

TITLE : Details

LANDSCAPING
post installation

Existing trees overhanging access track to be
crown-lifted to 5.5m above ground level.
NOTE : these trees are already heavily crown-reduced
to allow access for farm machinery



Proposed additional landscaping added to existing
planting to enhance the biodiversity and setting of the
area and screening to the existing workshop and to
comprise:

50m native-species hedge line

Native-species tree planting

NOTE 1:
All new planting to be a minimum of 9.0m from the top
of the bank to the drainage ditch and to IDB
requirements

NOTE 2:
All land within applicants control

GROUND PREPARATION
On completion of the construction works, the planting areas must have a level
covering of topsoil to a depth of at least 300mm. The ground will be cultivated and
raked level removing any large stones or construction debris.

All areas to be planted with ground cover shrubs will have 'Enmag' slow release
fertilizer applied during cultivation at the rate of 100g per square meter. A spun
bonded polypropylene mulching sheet will be fitted and firmly pegged into place
on the shrub area using plastic pegs.

PLANTING PROPOSAL
All planting stock will be well grown and disease free and conform to BS 3936.

All ground cover plants and standard trees to be interspersed in these areas will
be planted through the membrane by cutting a cross in the membrane folding
back the flaps to allow excavation of a planting hole, these flaps will be folded
back after planting and secured in place by a bark mulch. Details of each planting
type are as follows.

HEAVY & STANDARD TREES
Trees will be planted as shown on plan. These will be containerised or root balled
stock with a min. stem girth of 12 to 14cm or feathered 1.8-2.5m specimens. The
trees will be pit planted in holes 400mm larger in diameter than the container or
rootball. Each tree will be supported by two 1.8m x 74mm machine rounded
treated softwoods stakes joined by a half round cross piece and secured by an
adjustable back pad tree tie.

All trees will be protected by a 600mm x 50mm spiral tree guard (brown). Each
tree will be fitted with a proprietary watering system such as Root Rain Metro
provided by Greenlead landscape products.

GRASS SEEDING
All remaining areas will be grassed and rotavated, cleared of stones greater than
50mm, levelled, rolled and seeded at the rate of 35g per m² with a formal grass
mixture 25% chewings fescue, 50% strong creeping red fescue, 20% slender
creeping red fescue and 5% brown top bent. After germination the sward will be
mowed and any gaps or weak patches over seeded.

MAINTENANCE & MANAGEMENT
All plants will be maintained for the period of occupation of the site after planting,
including keeping the site free of all weed growth, checking the condition of
stakes guards and ties, topping up mulch to maintain 50mm of cover and
replacing all failures with equivalent stock to that used in the initial planting. For a
period of 36months all plants will be replaced in the event of failure or damage.

The large standards will require watering during the first summer after planting on
at least a two week cycle. Watering frequency must be increased to weekly in
times of drought subject to water restrictions. For the
remainder of the maintenance period watering will be confined to dry period.

The approved scheme will be implemented in the first planting season following
the completion of the works. The planting shall be in accordance with British
Standard BS 4428:1989 'Code of Practice for General Landscape Operations'

Crataegus Monogyna
Standard tree to be planted at 1.5m
Ctrs & maintained to a max. height of
2.0 - 2.2m

Prunus Spinosia
Standard tree to be planted at 1.5m
Ctrs & maintained to a max. height of
2.0 - 2.2m

Quercus Robur
Heavy Standard tree maintained to a max.
height of 6m

REVISED : April 2015 : Landscaping
proposals revised

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