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Environmental protection Agency  
Environmental Licensing  
PO box 3000  
Johnstown Castle Estate  
County Wexford

Dear Sir/Madam

I have submitted a completed Integrated pollution prevention Control License Application form and appropriate fee and supporting Documentation and attachments. You will notice that some of the tables that are applicable to this application on behalf of Westland Horticulture have been included with the supporting documentation and attachments rather than included in the application form. The justification for this is that we have 12 emission points (Silt Traps) to surface water and we require a separate table for each emission point.

Most of the data required in support of this application is complete and will be submitted with the application form however there are a few maps that I need to complete which I will forward next week as a separate attachments package.

If you have any questions regards any of the information included in the application form or the supporting documentation and attachments package please do not hesitate to contact me on the number or E mail attached below.

Kind regards

Yours sincerely

Mark Hamill 10/03/2010

Mark Hamill  
Quality Systems Manager  
Westland Horticulture  
E Mail mhamill@westlandhorticulture.com  
Tel - 0044 7825550335



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# Integrated Pollution Prevention and Control (IPPC) Licensing

## Application Form

**EPA Reg. N°:**  
(Office use only)

**Environmental Protection Agency**  
P.O. Box 3000, Johnstown Castle Estate, Co. Wexford  
Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699  
Web: [www.epa.ie](http://www.epa.ie) Email: [info@epa.ie](mailto:info@epa.ie)

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## ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for an Integrated Pollution Prevention and Control (IPPC) Licence under the Environmental Protection Agency Acts, 1992 and 2003. There are separate application forms for licensees who wish to apply for a review of existing licences and for Pig & Poultry sector applicants.

The Application Form **must** be completed in accordance with the instructions provided in the *IPPC Licensing Application Guidance Note*. The Guidance Note gives an overview of IPPC Licensing, outlines the licence application process (including number of copies required) and specifies the information to be submitted in the application. The Guidance Note and application forms are available to download from the IPPC Licensing pages of the EPA's website at [www.epa.ie](http://www.epa.ie). A valid application for an IPPC licence must contain the information prescribed in the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004. Article 10 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, please complete the Article 10 Checklist provided in Annex 2.

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Environmental Protection Agency Acts, 1992 and 2003 and the Environmental Protection Agency (Licensing) Regulations 1994 to 2004. While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantees, undertakings and warranties concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation contained in the accompanying Guidance Note, then the requirements in this Application Form shall take precedence.

## SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the carrying on of the activity/activities, and describe mitigation measures proposed or existing to address these impacts. This description should also indicate the normal operating hours and days per week of the activity.

The following information must be included in the non-technical summary:

A description of:

- the installation and its activities,
- the raw and auxiliary materials, other substances and the energy used in or generated by the installation,
- the sources of emissions from the installation,
- the environmental conditions of the site of the installation (e.g. soil and groundwater, air, noise, surface water),
- the nature and quantities of foreseeable emissions from the installation into each medium as well as identification of significant effects of the emissions on the environment,
- the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation,
- where necessary, measures for the prevention and recovery of waste generated by the installation,
- further measures planned to comply with the general principles of the basic obligations of the operator i.e.
  - (a) all the appropriate preventive measures are taken against pollution, in particular through application of the Best Available Techniques (BAT);
  - (b) no significant pollution is caused;
  - (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
  - (d) energy and other resources are used efficiently;
  - (e) the necessary measures are taken to prevent accidents and limit their consequences;
  - (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.
- measures planned to monitor emissions into the environment.

Supporting information should form **Attachment N° A.1**

**SECTION B: GENERAL**

**B.1. Owner/Operator**

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<b>Name*:</b>	Westland Horticulture
<b>Address:</b>	14 Granville Industrial Estate
	Granville Road
	Dungannon
	County Tyrone
<b>Tel:</b>	02887727500
<b>Fax:</b>	02887723800
<b>e-mail:</b>	Mhamill@westlandhorticulture.com

\* This should be the name of the applicant which is current on the date this IPPC Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

**Name and Address for Correspondence**

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

<b>Name:</b>	Mark Hamill
<b>Address:</b>	14 Granville Industrial Estate
	Granville Road
	Dungannon
	County Tyrone
<b>Tel:</b>	02887727500
<b>Fax:</b>	02887723800
<b>e-mail:</b>	Mhamill@westlandhorticulture.com

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**Address of registered or principal office of Body Corporate (if applicable)**

<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a) a Certified Copy of the Certificate of Incorporation.
- b) the Company's Registration Number from the Companies Registry Office.
- c) Particulars of Registered Office of the Company.

**Name and address of the proprietor(s) of the Land on which the Activity is situated (if different from applicant named above):**

<b>Proprietor's Name:</b>	<b>Cavan Peat Limited / Westmeath Peat Limited</b>
<b>Address:</b>	18-20 Meriville Road, Stillorgan, Co. Dublin
	Cavan Peat Co. No. 61236 Westmeath Co. No 0932254
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

**Name and address of the owner(s) of the building and ancillary plant in which the activity is situated (if different from applicant named above):**

<b>Name:</b>	Shane Currie
<b>Address:</b>	86 Ennislaire Road Armagh County Armagh BT60 2PU
<b>Tel:</b>	00353872775840
<b>Fax:</b>	
<b>e-mail:</b>	

**B.2. Location of Activity – County Westmeath**

<b>Name:</b>	Westland Horticulture
<b>Address*:</b>	<b>Lower Coole, Mayne, Ballinealoe &amp; Clonsura</b> Near Coole & Fineagh County Westmeath
<b>Tel:</b>	00447825550335
<b>Fax:</b>	00222887723800
<b>Contact Name:</b>	Mark Hamill
<b>Position:</b>	Quality Systems Manger
<b>e-mail:</b>	mhamill@westlandhorticulture.com

\* Include any townland.

<b>National Grid Reference (12 digit 6E,6N)</b>	
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Location maps ( $\leq A3$ ), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

Geo-referenced digital drawing files (e.g. AutoCAD files) in Irish Grid projection of the site boundary and overall site plan, including labelled emission, monitoring and sampling points, are also required. This data should be provided to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

<b>Name of geo-referenced digital drawing files</b>	17674-09, 17675-09, 17676-09
<b>Name of CD-Rom with</b>	Westland Peat lands Surveys County Westmeath

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**digital drawing files**

**B.3. Class of Activity**

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Identify the relevant activities in the First, Third or Fourth Schedule of the PoE Act 2004 to which the activity relates:

Schedule	Class	Description <sup>Note 1</sup>
First	1.4	The extraction of peat in the course of business which involves an area exceeding 50 hectares.

**Note 1:** In order to give a precise identification **select only those words** from the description of the class or classes that best describes the nature of the activity for which the licence is being applied for.

**B.4. Employees/ Capital Cost -**

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Give-

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(i) In the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or

(ii) In any other case, the gross capital cost of the activity to which the application relates.

<b>Number of Employees (existing facilities):</b>	6 full time and 4 seasonal/ casual
<b>Gross Capital Cost (new proposals) €</b>	£150,000 Per annum

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**B.5. Relevant Planning Authority**

Give the name of the planning authority in whose functional area the activity is or will be carried out.

<b>Name:</b>	Westmeath County Council
<b>Address:</b>	Westmeath County Council Civic Offices
	Mullingar
	County Westmeath
<b>Tel:</b>	(044) 93 32226
<b>Fax:</b>	

Planning Permission relating to this application:

<b>has been obtained</b>	<b>is being processed</b>	
<b>is not yet applied for</b>	<b>is not required</b>	<input checked="" type="checkbox"/>

<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	Not Applicable
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**Attachment B.5** should contain all planning permissions, including a copy of **all** conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment N<sup>o</sup> B.5** should also contain all licences and permits past and present in force at the time of submission.



**B.6. Relevant Sanitary Authority.**

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In the case of a discharge of any trade effluent or other matter to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled.

<b>Name:</b>	<b>Not Applicable</b>
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	

In the case of a discharge of any trade effluent or other matter to a sewer not vested by a sanitary authority, the applicant must supply as **Attachment N° B.6**; (a) the name and address of the owner(s) of the sewer and the waste water treatment plant to which the sewer discharges and who are responsible for the quality of the treated effluent discharging to waters and (b) a copy of the effluent regulations and the agreement between the applicant and the aforementioned.

<b>Name:</b>	<b>Not Applicable</b>
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	

**B.7. Relevant Health Board Region**

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The applicant should indicate the Health Board Region where the activity is or will be located.

<b>Name:</b>	Midlands
<b>Address:</b>	Block 4 Central Business Park
	Clonminch, Portlaise Road
	Tullamore
	County Offaly
<b>Tel:</b>	+353 (0)57 9357600
<b>Fax:</b>	

**B.8 Site Notice, Newspaper Advertisement and Planning Authority Notice.**

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**Attachment N° B.8** should contain a copy of the text of the site notice, a map (no larger than A3) showing its location on site (in accordance with Article 7 of the Regulations) and a copy of the newspaper advertisement. A copy of the notice given to the Planning Authority should also be included.

**B.9 Seveso II Regulations Not Applicable**

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State whether the activity is an establishment to which the EC (Control of Major Accident Hazards involving Dangerous Substances) Regulations (S.I. No. 74 of 2006) apply.

If yes, outline how the process comes under these regulations.

Supporting information should be included in **Attachment N° B.9.**

**B.10 IPPC Directive – Not Applicable**

Specify whether the activity is a category of industrial activity referred to in Annex I of the IPPC Directive (96/61/EC) and if yes specify the category.

Supporting information should be included in **Attachment N° B.10.**

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**SECTION C: MANAGEMENT OF THE INSTALLATION**

**C.1 Site Management & Control (See supporting Documentation & Attachment)**

Details should be provided on the management structures for the activity. Organisational charts and all relevant environmental management policy statements, including provisions for on-going assessment of environmental performance, are required.

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**C.2 Environmental Management System (EMS) (See supporting Documentation & attachment)**

Indicate whether an Environmental Management System has been developed for the installation. If yes, specify which standard and include a copy of the accreditation certificate.

**C.3 Hours of Operation (See supporting documentation & attachment)**

Provide details of the hours of operation for the installation, including:  
(a) Proposed hours of operation.  
(b) Proposed hours of construction and development works and timeframes.  
(c) Any other relevant hours of operation expected.

This information should form **Attachment N° C.**

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**SECTION D: INFRASTRUCTURE & OPERATION**

**D.1. Operational Information Requirements (See supporting documentation)**

Describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity, to include a copy of such plans, drawings or maps, (site plans and location maps, process flow diagrams), and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the activity. Maps and drawings must be no larger than A3 size.

A development and operational history of the site should be included here.

**Attachment N° D** should contain a list of all unit operations (processes) to be carried out, including flow diagrams of each with any relevant additional information.

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**SECTION E: EMISSIONS**

**E.1. Emissions to Atmosphere – Not Applicable**

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E.1.A. Details of all point emissions to atmosphere

Details of all point emissions to atmosphere should be supplied. Complete Table E.1(i) for Boiler Emissions and Table E.1(ii) and E.1(iii) for all other main emission points. Complete Table E.1(iv) for minor emission points.

A summary list of the emission points, together with maps and/or drawings (no larger than A3), and supporting documentation should be included as **Attachment N<sup>o</sup> E**. Plans of emission elevations, relevant roof heights, etc., should also be included, as should detailed descriptions and schematics of all abatement systems.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s). These notes can be found on the EPA website at [www.epa.ie](http://www.epa.ie).

E.1.B. Fugitive and Potential emissions (see attached summary)

Give summary details of fugitive and potential emissions in Table E.1(v).

In relation to activities listed in the Schedule of Council Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations;

- specify the relevant category of activity in the Schedule
- specify how the requirements in relation to fugitive emissions will be met.

Full details and any supporting information should form **Attachment E.1.B**

**E.2 Emissions to Surface Waters (see attached tables)**

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Tables E.2(i) and E.2(ii) should be completed.

A summary list of the emission points, together with maps/drawings (no larger than A3) and supporting documentation should be included as **Attachment N<sup>o</sup> E.2**.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. No. 394 of 2004 are emitted.

Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All surface water runoff and storm water drains discharging to surface water bodies must be included. A National Grid References (12 digit, 6E, 6N) must be given for all discharge points. The identity and type of receiving water (river, ditch, estuary, lake, etc.) must be stated.

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and

a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

**E.3 Emissions to Sewer Not Applicable**

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Tables E.3(i) and E.3(ii) should be completed.

A summary list of the emission points, together with maps and/or drawings (no larger than A3) and supporting documentation should be included as **Attachment N° E.3**. Details of all List I and List II substances listed in the Annex to EU Directive 76/464/EEC (as amended), contained in any emission must be presented. All relevant information on the receiving sewer, including any effluent treatment/abatement systems, not already described, with schematics as appropriate should also be included in **Attachment N°E.3**.

For emissions outside BAT guidance limit (where given), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within any limits set out in the BAT guidance note(s).

**E.4 Emissions to Ground Not Applicable**

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Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

The applicant should supply details of the nature and quality of the substance (agricultural and non-agricultural waste) to be landspread (slurry, effluent, sludges etc) as well as the proposed application rates, periods of application and mode of application (e.g., pipe discharge, tanker).

For emissions outside the BAT guidance limit, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the BAT guidance note(s).

**E.5 Noise Emissions Not applicable due to Mobile Plant**

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Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment N° E.5**

For emissions outside the EPA Guidance Note for Noise in relation to Scheduled Activities 2<sup>nd</sup> Edition (2006), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits as set out in the Guidance Note.

**E.6 Tabular Data on Emission Points**

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Applicants should submit the following information for each emission point:

Point Code	Point Type	Easting	Northing	Verified	Emission
Provide label ID's assigned in section E	A=Atmospheric SW=Surface Water SE = Sewer GW=Groundwater N = Noise SL=Soil/Ground WS=Waste	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>

An individual record (i.e. row) is required for each emission point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

**SECTION F: CONTROL & MONITORING**

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility.

**F.1: Treatment, Abatement and Control Systems See Attachment No f.1 detailing silt trap design and operation.**

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Details of treatment/abatement systems (air and effluent emissions) should be included, together with schematics as appropriate.

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For each Emission Point identified complete Table F.1(i) and include detailed descriptions and schematics of all abatement systems.

Attachment N<sup>o</sup> F.1 should contain any supporting information.

**F.2: Emissions Monitoring and Sampling Points see attached Table attachment F2**

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Identify monitoring and sampling points and outline proposals for monitoring **emissions**. Table F.2(i) should be completed (where relevant) for air emissions, for emissions to surface waters, for emissions to sewers, for emissions to ground, and for waste emissions. Where **ambient** environment monitoring is carried out or proposed, Table F.2(ii) should be completed as relevant for each environmental medium.

Include details of monitoring/sampling locations and methods.

Attachment N<sup>o</sup> F.2 should contain any supporting information.

**F.3: Tabular Data on Monitoring and Sampling Points**

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Applicants should submit the following information for each monitoring and sampling point:

Point Code	Point Type	Easting	Northing	Verified	Pollutant
Provide label ID's assigned in section	M=Monitoring S=Sampling	6E-digit GPS Irish National Grid	6N-digit GPS Irish National Grid	Y = GPS used N = GPS not used	e.g. SO <sub>2</sub> , HCl, NH <sub>3</sub>

F3		Reference	Reference		
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An individual record (i.e. row) is required for each monitoring and sampling point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at [www.epa.ie](http://www.epa.ie). This data should be submitted to the Agency on a separate CD-Rom containing sections B.2, E.6 and F.3.

Point source monitoring/sampling refers to monitoring from specific emission points (e.g. from a boiler stack or outlet from a wastewater treatment plant). Examples of ambient monitoring includes monitoring of ambient air quality (e.g. boundary or off-site) or monitoring of river quality upstream/downstream of an effluent discharge.

**SECTION G: RESOURCE USE AND ENERGY EFFICIENCY**

**G.1 Give a list of the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity.**

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**Only includes fuel;**

The list(s) given should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included.

Particular attention should be paid to materials and product consisting of or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 1994 [SI 77/94]. The list must classify these materials in accordance with Article 2 of these Regulations, and must specify the designated Risk Phrases (R-Phrases) of each substance in accordance with Schedule 2 of the Regulations

Tables G.1(i) and G.1(ii) must be completed. Copy as required.

Supporting information should be given in **Attachment N° G.**

**G.2 Energy Efficiency**

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**Only includes mobile plant fuel usage; (See supporting documentation & attachments)**

A description of the energy used in or generated by the activity must be provided. Outline the measures taken to ensure that energy is used efficiently and where appropriate, an energy audit with reference to the EPA Guidance document on Energy Audits should be carried out.

**SECTION H: MATERIALS HANDLING**

**Only includes mobile plant fuel usage; See supporting Documentation & attachments)**

**H.1 Raw Materials, Intermediates and Product Handling**

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All materials should be listed in Tables G.1(i) and G.(ii) of **Section G.**

Details of the storage conditions, location within the site, segregation system used and transport systems within the site should be outlined here. In addition, information relating to the integrity, impermeability and recent testing of pipes, tanks and bund areas should be outlined.

**H.2 Describe the arrangements for the recovery or disposal of solid and liquid wastes accepted into or generated by the installation/facility.**

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**Not applicable**

For each waste material, give full particulars of:

- (a) Name
- (b) Description & nature of waste
- (c) Source
- (d) Where stored and integrity/impermeability of storage areas
- (e) Amount (m<sup>3</sup>) and tonnage
- (f) Period or Periods of generation
- (g) Analysis ( include test methods and Q.C. )
- (h) European Waste Catalogue Code
- (i) Waste Category per EC Reg 1774/2002/EC where relevant

Where any waste would be classified as Hazardous Waste as defined in the Waste Management Acts, 1996 to 2003, this should be made clear in the information provided.

Summary Tables H.1(i) and H.1(ii) should also be completed, as appropriate, for each waste. The licence/permit register number of the waste collection agent or disposal/recovery operator should be supplied as well as the expiry date of the relevant permits.

Supporting information should form **Attachment N° H.2**

**H.3 Waste disposal by on-site landfilling Not applicable**

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For wastes to be disposed of by landfilling on-site, full details of the disposal site should be submitted (to include *inter alia*, site selection procedures, location maps, (no larger than A3) geology, hydrogeology, operational plan, containment, gas and leachate management, post-closure care).

Supporting information should form **Attachment N° H.3.**

**SECTION I: EXISTING ENVIRONMENT & IMPACT OF THE ACTIVITY**

**See Supporting documentation & Attachments**

**Describe the conditions of the site of the installation.**

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**Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.**

**Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.**

I.1. Assessment of atmospheric emissions **Not Applicable**

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

**Attachment N<sup>o</sup> I.1** should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion modelling, regard should be had to the "Guidelines for the Preparation of Dispersion Modelling Assessments for Compliance with Regulatory Requirements – an Update to Royal Meteorological Society Guidance" or similar guidelines from a recognised authority.

I.2. Assessment of Impact on Receiving Surface Water **See Supporting documentation & Attachments**

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment N<sup>o</sup> I.2.**

I.3. Assessment of Impact of Sewage Discharge. **Not Applicable**

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment N<sup>o</sup> I.3.**

I.4 Assessment of Impact of Ground/Groundwater Emissions **Not Applicable**

Describe the existing groundwater quality. Tables I.4(i) should be completed.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes landspreading, land injection etc.



Land on which material may be landspread shall be identified on a suitable scaled map (1:10,560 and 1:50,000) and submitted as no greater than A3 size. All vulnerable (as a result of ground emissions) surface water bodies must be identified on these maps. Additional information should be included in **Attachment N<sup>o</sup> I.4**.

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Landspreading of Agricultural/Non Agricultural Wastes

Tables I.4(ii) and I.4.(iii) should be complete where applicable. Further information is available in the Application Guidance Document.

I.5 Ground and/or Groundwater Contamination **Not Applicable**

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment N<sup>o</sup> I.5**.

I.6 Assessment of the Environmental Impact of On-site Waste Recovery and/or Disposal.  
**See Supporting documentation & Attachments**

Describe the arrangements for the prevention and recovery of waste generated by the activity.

Give details, and an assessment of the impact of any existing or proposed on-site waste recovery/disposal on the environment, including environmental media other than those into which the emissions are to be made.

This information should form **Attachment N<sup>o</sup> I.6**.

I.7 Noise Impact **Not Applicable Only Mobile Plant**

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.7(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment N<sup>o</sup> I.7**.

I.8 Environmental Considerations and BAT – **Describe silt traps and Dust precautions**

**Describe in outline the main alternatives, if any, to the proposals contained in the application.**

Describe any environmental considerations which have been made with respect to the use of cleaner technologies, waste minimisation and raw material substitution.

Describe the measures proposed or in place to ensure that:

- (a) The best available techniques are or will be used to prevent or eliminate or, where that is not practicable, generally reduce an emission from the activity;
- (b) no significant pollution is caused;
- (c) waste production is avoided in accordance with Council Directive 75/442/EEC of 15 July 1975 on waste; where waste is produced, it is recovered or, where that is technically and economically impossible, it is disposed of while avoiding or reducing any impact on the environment;
- (d) energy and other resources are used efficiently;
- (e) the necessary measures are taken to prevent accidents and limit their consequences;
- (f) the necessary measures are taken upon definitive cessation of activities to avoid any pollution risk and return the site of operation to a satisfactory state.

Supporting information should form **Attachment N° I.8.**

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**SECTION J: ACCIDENT PREVENTION & EMERGENCY RESPONSE**

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**See Supporting documentation & Attachments**

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment N° J.**

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**SECTION K: REMEDIATION, DECOMMISSIONING, RESTORATION & AFTERCARE**

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**See Supporting documentation & Attachments**

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

Supporting information should be included as **Attachment No. K.**

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**SECTION L: STATUTORY REQUIREMENTS**

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**See Supporting documentation & Attachments**

Indicate how the requirements of Section 83(5)(a)(i) to (v) and (vii) to (x) of the EPA Acts, 1992 and 2003 shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5 (3) of the Act and the reasons for the selection of the arrangements proposed.

Indicate whether or not the activity is carried out, or may be carried out, or is located such that it is liable to have an adverse effect on -

- (a) a site placed on a list in accordance with Chapter 1 of SI 94 of 1997, or
- (b) a site where consultation has been initiated in accordance with Article 5 of the EU Habitats Directive (92/43/EEC), or

Indicate whether or not the activity is liable to have an adverse effect on water quality in light of S.I. No. 258 of 1998 (Local Government (Water Pollution) Act, 1977 (Water Quality Standards for Phosphorus) Regulations, 1998).

Indicate whether any of the substances specified in the Schedule of the EPA (Licensing)(Amendment) 2004, S.I. 394 of 2004, are discharged by the activity to the relevant medium.

Fit and Proper Person **See Supporting documentation & Attachments**

The PoE Act in Section 83(5)(xi) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant or licensee or transferee as the case may be is a fit and proper person. Section 84(4) of the PoE Act specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the PoE Act, the Waste Management Act 1996, the Local Government (Water pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees.
- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity.

Supporting information should be included as **Attachment N<sup>o</sup> L** with reference to where the information can be found in the application.

**SECTION M: DECLARATION**

**Declaration**

I hereby make application for a licence / revised licence, pursuant to the provisions of the Environmental Protection Agency Acts, 1992 and 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

**Signed by:** Mark Hamill  
(on behalf of the organisation)

**Date:** 09/03/2010

**Print signature name:** MARK HAMILL \_\_\_\_\_

**Position in organisation:** Quality Systems Manager  
\_\_\_\_\_

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Company stamp or seal:

**ANNEX 1: TABLES/ATTACHMENTS**

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**Table E.1 (i) BOILER EMISSIONS TO ATMOSPHERE** (1 Page for each emission point)

**Emission Point:**

Emission Point Ref. N <sup>o</sup> :		
Location:	<b>NOT APPLICABLE</b>	
Grid Ref. (12 digit, 6E,6N):		
<b>Vent Details</b>	Diameter:	Height above Ground(m):
Date of commencement of emission:		

**Characteristics of Emission:**

<b>Boiler rating</b>			
Steam Output:			kg/hr
Thermal Input:			MW
<b>Boiler fuel</b>			
Type:			
Maximum rate at which fuel is burned			kg/hr
% sulphur content:			
NOx			mg/Nm <sup>3</sup>
		0°C, 3% O <sub>2</sub> (Liquid or Gas), 6% O <sub>2</sub> (Solid Fuel)	
Maximum volume* of emission			m <sup>3</sup> /hr
		0°C, 3 % O <sub>2</sub> (liquid or gas), 6 % O <sub>2</sub> (solid fuel)	
Temperature	°C(max)	°C(min)	°C(avg)

\* Volume flow limits for emissions to atmosphere shall be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa), dry gas; 3% oxygen for liquid and gas fuels; 6% oxygen for solid fuels.

(i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

**TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE** (1 Page for each emission point)

Emission Point Ref. N <sup>o</sup> :	
Source of Emission:	<b>NOT APPLICABLE</b>
Location:	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement:	

**Characteristics of Emission:**

(i) Volume to be emitted:			
Average/day	Nm <sup>3</sup> /d	Maximum/day	Nm <sup>3</sup> /d
Maximum rate/hour	Nm <sup>3</sup> /h	Min efflux velocity	m.sec <sup>-1</sup>
(ii) Other factors			
Temperature	°C(max)	°C(min)	°C(avg)
For Combustion Sources: Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____%O <sub>2</sub>			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

**TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission** (1 table per emission point)

**Emission Point Reference Number: \_\_\_\_\_ NOT APPLICABLE**

Parameter	Prior to treatment <sup>(1)</sup>				Brief description of treatment	As discharged <sup>(1)</sup>					
	mg/Nm <sup>3</sup>		kg/h			mg/Nm <sup>3</sup>		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max

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1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.



**TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor atmospheric emissions**

**NOT APPLICABLE**

Emission point Reference Numbers	Description	Emission details <sup>1</sup>				Abatement system employed
		material	mg/Nm <sub>3</sub> <sup>(2)</sup>	kg/h.	kg/year	

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1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.

2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

**TABLE E.1(v): EMISSIONS TO ATMOSPHERE – Fugitive and Potential atmospheric emissions**

**NOT APPLICABLE**

Emission point ref. no. (as per flow diagram)	Description	Malfunction which could cause an emission	Emission details (Potential max. emissions) <sup>1</sup>		
			Material	mg/Nm <sup>3</sup>	kg/hour

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<sup>1</sup> Estimate the potential maximum emission for each malfunction identified.

**TABLE E.2(i): EMISSIONS TO SURFACE WATERS**

(One page for each emission)

**Emission Point: Need to Complete**

Emission Point Ref. N <sup>o</sup> :	<b>See supporting documentation and attachments</b>		
Source of Emission:	Rain water		
Location :			
Grid Ref. (12 digit, 6E,6N):			
Name of receiving waters:	Inny river		
Flow rate in receiving waters:			_____ m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow _____ m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow
Available waste assimilative capacity:			_____ kg/day

**Emission Details:**

(i) Volume to be emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ min/hr _____ hr/day _____ day/yr
---------------------------	--

**TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission** (1 table per emission point)

**Emission point reference number :** \_\_\_\_\_ **See supporting documentation and attachments** \_\_\_\_\_

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

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**TABLE E.3(i): EMISSIONS TO SEWER** (One page for each emission)

**Emission Point: NOT APPLICABLE**

Emission Point Ref. N <sup>o</sup> :	
Location of connection to sewer:	
Grid Ref. (12 digit, 6E,6N):	
Name of sewage undertaker:	

**Emission Details:**

(i) Volume to be emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

**TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission** (1 table per emission point)

**Emission point reference number :** NOT APPLICABLE

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

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**TABLE E.4(i): EMISSIONS TO GROUND** (1 Page for each emission point)

**Emission Point or Area: NOT APPLICABLE**

Emission Point/Area Ref. N <sup>o</sup> :	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	

**Emission Details:**

(i) Volume to be emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

**TABLE E.4(ii): EMISSIONS TO GROUND - Characteristics of the emission** (1 table per emission point)

**Emission point/area reference number:** NOT APPLICABLE

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

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**Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet NOT APPLICABLE (NO STATIONERY PLANT)**

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure <sup>1</sup> dBA at reference distance	Octave bands (Hz) Sound Pressure <sup>1</sup> Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission	
				31.5	63	125	250	500	1K	2K	4K			8K

1. For items of plant sound power levels may be used.

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**TABLE F.1(i): ABATEMENT / TREATMENT CONTROL**

**Emission point reference number :** See supporting documentation and attachments

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
Total Suspended Solids	Grab samples to be pulled 4 times per year	Sample bottles, weight scales test completed by independent laboratory	Test equipment calibrated regularly by independent laboratory.

<sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.

<sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.

<sup>3</sup> List the monitoring of the control parameter to be carried out.

**TABLE F.2(i) : EMISSIONS MONITORING AND SAMPLING POINTS**

( 1 table per monitoring point)

**Emission Point Reference No. : COMPLETE 1 TABLE PER SAMPLE POINT See supporting documentation and attachments**

Parameter	Monitoring frequency	Accessibility of Sampling Points	Sampling method	Analysis method/ technique

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**TABLE F.2(ii): AMBIENT ENVIRONMENT MONITORING AND SAMPLING POINTS** ( 1 table per monitoring point)

**Monitoring Point Reference No** : \_\_\_\_\_ Dust Gauges (**See supporting documentation and attachments**) \_\_\_\_\_

Parameter	Monitoring frequency	Accessibility of Sampling point	Sampling method	Analysis method / technique

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**Table G.1(i) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. N° or Code	Material/ Substance <sup>(1)</sup>	CAS Number	Danger <sup>(2)</sup> Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R <sup>(3)</sup> - Phrase	S <sup>(3)</sup> - Phrase
	<b>Diesel Oil Fuel (need to complete)</b>	<b>68334-30-5</b>	<b>EU Category of Danger: Carcinogenic category 3 Harmful</b>	<b>5,000 litres</b>	<b>70,000 Litres</b>	<b>Fuel consumption for mobile harvesting plant.</b>	<b>R36/37 R51/53 R65</b>	<b>S2 S24 S43 S62</b>

- Notes:
1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
  2. c.f. Article 2(2) of SI N° 77/94
  3. c.f. Schedules 9 and 10 of SI No 62/2004

**Table G.1(ii) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. N° or Code	Material/ Substance <sup>(1)</sup>	TA Luft Class 1, 2 or 3	Odour			EU Lists I and II (Tick and specify Group/Family Number)			
			Odourous Yes/No	Description	Threshold $\mu\text{g}/\text{m}^3$	Dangerous Substances Directive 76/464/EEC		Groundwater Directive 80/68/EEC	
						List I	List II +129 <sup>4</sup>	List I	List II
	<b>Diesel Oil Fuel (need to complete)</b>		<b>Yes</b>	<b>Gas like Fuel</b>					

- Notes (cont.): 4. The European Commission priority candidate list

**TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal**

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site Recovery/Disposal (Method & Location )	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m <sup>3</sup> / month			
<b>Not Applicable</b>							

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<sup>1</sup> A reference should be made to the main activity / process for each waste.

**TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal**

Waste material	EWC Code	Main source <sup>1</sup>	Quantity		On-site recovery/disposal <sup>2</sup> (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m <sup>3</sup> / month			
<b>Not Applicable</b>							

1 A reference should be made to the main activity/ process for each waste.

2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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**Table I.2(i) SURFACE WATER QUALITY**

(Sheet 1 of 2) Monitoring Point/ Grid Reference: **\_\_\_ Complete for each sample point (See supporting documentation and attachments)\_\_\_**

Parameter	Results (mg/l)				Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

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**Surface Water Quality (Sheet 2 of 2)**

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Phosphate PO <sub>4</sub>							

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**Table I.4(i) GROUNDWATER QUALITY**

(Sheet 1 of 2) Monitoring Point/ Grid Reference: **NOT APPLICABLE**

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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Groundwater Quality (sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO <sub>4</sub>							
Sulphate SO <sub>4</sub>							
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms ( /100mls)							
Total coliforms ( /100mls)							
Water level (m OD)							

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**TABLE I.4(ii): LIST OF OWNERS/FARMERS OF LAND**

Land Owner	Townlands where landspreading	Map Reference	Fertiliser P requirement for each farm
<b>Not Applicable</b>			*NMP must take account of on-farm slurry

Total P requirement of the client List \_\_\_\_\_

**TABLE I.4(ii): LANDSPREADING**

Land Owner/Farmer **Not Applicable**

Map Reference \_\_\_\_\_

Field ID	Total Area (ha)	(a) Usable Area (ha)	Soil P Test Mg/l	Date of P test	Crop	P Required (kg P/ha)	Volume of On-Farm Slurry Returned (m <sup>3</sup> /ha)	Estimated P in On-Farm Slurry (kg P/ha)	(b) Volume to be Applied (m <sup>3</sup> /ha)	P Applied (kg P/ha)	Total Volume of imported slurry per plot (m <sup>3</sup> )

**TOTAL VOLUME THAT CAN BE IMPORTED ON TO THE FARM:**

Concentration of P in landspread material	- kg P/m <sup>3</sup>
Concentration of N in landspread material	- kg N/m <sup>3</sup>

**Table I.7(i): AMBIENT NOISE ASSESSMENT Not Applicable**

*Third Octave analysis for noise emissions should be used to determine tonal noises*

	National Grid Reference	Sound Pressure Levels		
	(6N, 6E)	L(A) <sub>eq</sub>	L(A) <sub>10</sub>	L(A) <sub>90</sub>
<b>1. SITE BOUNDARY</b>				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
<b>2. NOISE SENSITIVE LOCATIONS</b>				
Location 1:				
Location 2:				
Location 3:				
Location 4:				

**NOTE: All locations should be identified on accompanying drawings.**

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## ANNEX 2: CHECKLIST FOR ARTICLE 10 COMPLIANCE

Article 10 of the Environmental Protection Agency (Licensing) Regulations, 1994 to 2004 sets out the statutory requirements for information to accompany a licence application. The Application Form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in Article 10. In order to ensure a legally valid application in respect of Article 10 requirements, all Applicants should complete the following checklist and submit it with the completed Application Form.

Article 10(2)		Section in Application	Checked by Applicant ✓
(a)	give the name, address and telephone number of the applicant and, if different, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,		
(b)	give - (i) in the case of an established activity, the number of employees and other persons working or engaged in connection with the activity on the date after which a licence is required and during normal levels of operation, or  (ii) in any other case, the gross capital cost of the activity to which the application relates,		
(c)	give the name of the planning authority in whose functional area the activity is or will be carried on,		
(d)	in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,		
(e)	give the location or postal address (including where appropriate, the name of the relevant townland or townlands) and the National Grid reference of the premises to which the activity relates,		
(f)	specify the relevant class or classes in the First Schedule to the Act to which the activity relates,		
(g)	specify the raw and ancillary materials, substances, preparations, fuels and energy which will be produced by or utilised in the activity,		
(h)	describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems, and operating procedures for the activity,		

<b>Article 10(2) continued..</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(i)	indicate how the requirements of section 83(5)(a)(i) to (v) and (vii) to (x) of the Act shall be met, having regard, where appropriate, to any relevant specification issued by the Agency under section 5(3) of the Act and the reasons for the selection of the arrangements proposed,		
(j)	give particulars of the source, nature, composition, temperature, volume, level, rate, method of treatment and location of emissions, and the period or periods during which the emissions are made or are to be made,		
(k)	describe the arrangements for the prevention or minimisation of waste and, where waste is produced, the on and of site arrangements for the recovery or disposal of solid and liquid wastes,		
(l)	specify, by reference to the relevant European Waste Catalogue codes as prescribed by Commission Decision 2000/532/EC of 03 May 2000, the quantity and nature of the waste or wastes produced or to be produced by the activity,		
(m)	provide: (i) details, and an assessment, of the impacts of any existing or proposed emissions on the environment, including on an environmental medium other than that or those into which the emissions are or are to be made, and (ii) details of the proposed measures to prevent or eliminate, or where that is not practicable, to limit, reduce or abate emissions,		
(n)	identify monitoring and sampling points and outline proposals for monitoring emissions and the environmental consequences of any such emissions,		
(o)	describe the condition of the site of the installation,		
(p)	describe in outline the main alternatives, if any, to the proposals contained in the application which were studied by the applicant,		
(q)	specify the measures to be taken to comply with an environmental quality standard where such a standard requires stricter conditions to be attached to a licence than would otherwise be determined by reference to best available techniques,		

<b>Article 10(2) continued../</b>		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(r)	describe the measures to be taken for minimising pollution over long distances or in the territory of other states,		
(s)	describe the measures to be taken under abnormal operating conditions, including start-up, shutdown, leaks, malfunctions, breakdowns and momentary stoppages,		
(t)	describe the measures to be taken on and following the permanent cessation of the activity or part of the activity to avoid any risk of environmental pollution and to return the site of the activity to a satisfactory state,		
(u)	describe, in the case of an activity which gives, or could give rise, to an emission containing a hazardous substance which is discharged to an aquifer and is specified in the Annex to Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution caused by certain dangerous substances, the arrangements necessary to comply with said Council Directive,		
(v)	include any other information required under Article 6(1) of Council Directive 96/61/EC of 24 September 1996 concerning integrated pollution prevention and control,		
(w)	include a non-technical summary of information provided in relation to the matters specified in paragraphs (f) to (v) above,		
(x)	state whether the activity consists of, comprises, or is for the purposes an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 apply,		



<b>Article 10(3)</b> Without prejudice to Article 12(1), an application for a licence shall be accompanied by -		<b>Section in Application</b>	<b>Checked by Applicant ✓</b>
(a)	a copy of the relevant page of the newspaper in which the notice in accordance with article 6 has been published,		
(b)	a copy of the text of the site notice erected or fixed on the land or structure in accordance with article 7,		
(c)	a copy of the notice given to the planning authority under section 85(1)(a) of the Act,		
(d)	a copy of such plans, including a site plan and location map (no larger than A3), and such other particulars, reports and supporting documentation as are necessary to identify and describe -		
	(i) the activity		
	(ii) the position of the site notice in accordance with article 7,		
	(iii) the point or points from which emissions are made or are to be made, and		
	(iv) monitoring and sampling points, and		
(e)	a fee specified in accordance with section 94 of the Act.		

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<b>Article 10(4)</b>		<b>Checked by Applicant ✓</b>
(b)	<p>A signed original and 2 hardcopies of the application and accompanying documents/particulars in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.</p> <p>In cases where an E.I.S. is required to be submitted to the Agency in support of the application, a signed original and 2 hardcopies of the EIS plus 16* copies of all files in electronic searchable PDF format on CD-Rom shall be submitted to the headquarters of the Agency.</p> <p>* Energy sector applicants = 18 copies</p>	
	Hardcopies submitted.	
	CD version submitted.	

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## **Attachment No. B8:**

**Shows a copy of the  
News paper Article  
and a site map  
indicating the  
positioning of the  
notice for the site.**

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## **APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A LICENCE**

Westland Horticulture Limited, 14 Granville Industrial Estate, Granville Road, Dungannon, Co. Tyrone; will apply to the Environmental Protection Agency for a Licence in respect of its current Operations at Ballinalee, Mayne, Lower Coole & Clonsara, County Westmeath. These operation sites are located at National Grid References:

E239259, N271289

E239246, N271815

E239547, N272724

E241639, N276801

The application is made in respect of the existing activity  
Of Peat extraction in accordance with the  
Environmental Protection Agency Act of 1992 – 1997, under class 1.4  
of the new First Schedule to the Act;  
The extraction of peat in the course of business which  
involves an area exceeding 50 hectares.

**A copy of this application for a licence may be inspected at or obtained  
from the headquarters of the Agency as soon as IS practicable after the  
receipt by the Agency of the application for the licence.**

# **Attachment No. C.1:**

# **WI2001 Peat Harvesting Operational Controls Procedure**

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TITLE: PEAT HARVESTING SITE OPERATIONAL CONTROLS

DOCUMENT #: WI20/01

REV: 0

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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APPROVED BY 

Westland Horticulture

Date 24/06/09

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DOCUMENT NUMBER  
**WI20/01**  
REV 0  
PAGE 1 OF 2

**1 PURPOSE**

1.1 To provide detailed instructions for the correct operational practises in the peat harvesting process to minimise air borne dust emissions & potential pollution of waterways with silt.

**2 SCOPE**

2.1 Applicable to all peat harvesting operatives operating on site.

**3 APPLICABLE DOCUMENTS**

3.1 WI20/02 Silt Pond Inspection & Sampling

3.2 WI20/03 Silt Pond Cleaning

**4 MATERIALS REQUIRED**

4.1 None specified

**5 SAFETY**

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

**6 PROCEDURE**

6.1 Drivers must take care not to turn short over drains at headlands playing close attention to proximity to drains and being careful to limit speed.

6.2 Drainage manholes must be maintained free of peat at all times.

6.3 Outside harrow spoons must be directed away from drains to ensure no silt can be deposited.

6.4 Operators need to pay close attention to proximity to drains and ensure that harrowers, millers & ridgers do not drag loose peat into drains or generate air borne dust or silt.

6.5 All headlands and travel areas must be kept free of loose peat at all times by regular ridging & harvesting.

6.6 There should be no harvesting equipment transportation in the designated 30 metre buffer zone adjacent to the river Inny.

6.7 Traffic along headlands will be kept to a minimum and slow speeds maintained.

6.8 When harvesting the jib will be maintained low to the stockpile.

6.9 All road transported peat will be suitable covered / sheeted to prevent dust emissions.

6.10 At the end of season all milled peat remaining on fields should be ridged or compacted to prevent airborne dust generation or silt deposition in waterways.

6.11 There should be no stock piling of loose peat within 100 metres of the River Inny.

6.12 Production operations will be suspended in very windy weather.

**7 MISCELLANEOUS**

7.1 Original Training Records Will Be Held On Site In peat Harvesting Area

**8 ATTACHMENTS**

8.1 TR20/01 Training Record For Peat Harvesting Operational Controls

TR20/01 Training  
Record For Peat Harv

APPROVED BY



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Date 24/06/09

DOCUMENT NUMBER

WI20/01

REV 0

PAGE 2 OF 2

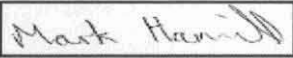




TITLE:	<b>SILT POND VISUAL INSPECTION &amp; SAMPLING REQUIREMENTS</b>
DOCUMENT #:	<b>WI20/02</b>
REV:	<b>0</b>

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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1 **PURPOSE**

2 To provide detailed instructions on the inspection and sampling requirements for monitoring silt ponds

3 **SCOPE**

3.1 Applicable to peat harvesting site manager and all site operatives.

4 **APPLICABLE DOCUMENTS**

4.1 WI20/01 Peat Harvesting Operational Controls

4.2 WI20/03 Silt Trap Cleaning Process

5 **MATERIALS REQUIRED**

5.1 1 Litre Sampling bottles

5.2 Appropriate footwear e.g. Wellington boots

6 **SAFETY**

6.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

7 **PROCEDURE**

7.1 Visual inspection audit should be completed on all silt traps at the Coolnagun bog site every week.

7.2 The visual inspector is required to audit & identify any significant changes in silt pond water level and speed of over flow from outlet. Any significant changes in increased water level or increased overflow speed should be recorded in the visual inspection record sheet attached and the site manager is to be informed to adjust weir level accordingly.

7.3 In the comments section record any unusual observations evidence of fuel discharge etc.

7.4 The visual inspection is also required to highlight any evidence of silt deposition in the outlets from the silt traps. If any evidence of silt deposition is noted record it in the visual inspection record sheet attached and inform the site manager to de-sludge the silt trap.

7.5 On a monthly frequency a sample of the overflow from each silt trap will be collected and analysed.

7.6 The sample needs to be pulled in a safe manner taken from the overflow of the silt trap outlet and filled into a 1 litre sampling bottle provided.

7.7 The date & time of sampling and the silt trap ID will be recorded on the record sheet attached and also on the label of the sample bottle.

7.8 The samples will be sent to the Quality control lab in Granville Dungannon for the attention of the Technical manager John Duggan for analysis for suspended solids.

7.9 The suspended solids data will be recorded on the Lab analysis record sheet attached and the results will be emailed to the Coolnagun peat harvesting site manager.

7.10 If any of the results for suspended solids analysis exceed the limit of 35 Mg/l for suspended solids then the Peat Harvesting site manager will be informed immediately to take remedial action to de-sludge the specific silt ponds that have exceeded specification limits.

8 **MISCELLANEOUS**

8.1 The contact number for the Coolnagun site manager is 00353872775840

8.2 Original Training Records Will Be Retained On Site In Peat Harvesting Area

9 **ATTACHMENTS**

9.1 WIR20/02 Silt Pond Visual Audit & Inspection Record Sheet

9.2 WIR20/02b Silt Pond Sampling Record Sheet

9.3 TR20/02 Silt Pond Visual Inspection & Sampling Requirements



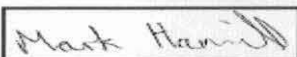
WIR20/02 Silt Pond Visual Audit & Inspect



WIR20/02b Silt Pond Sampling Record Shee



TR20/02 Training Record Silt Pond Visu

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## WIR20/02 Silt Pond Visual Audit Inspection Record Sheet

Date	Time	Location	Silt Pond ID	Visual Inspection & Audit				
				Silt Pond level	Overflow Flow Speed	Evidence Of Silt Deposition Post Overflow (Yes /No)	Comments e.g. Evidence of silt deposition fuel leaks. Or other pollutants.	Actions Required

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## WIR20/02b Silt Pond Sampling Record Sheet

Date	Time	Location	Silt Pond ID	Sampling Record			
				Observations i.e. Sampling Flow Rate & Silt Trap Level	Sample Successfully Collected (Yes/No)	Sample Correctly Labelled (Yes/No)	Comments

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TITLE:	SILT POND CLEANING PROCEDURE
DOCUMENT #:	WI20/03
REV:	0

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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1 **PURPOSE**

1.1 To provide detailed instructions on when & how to clean out silt settlement ponds.

2 **SCOPE**

2.1 Applicable to Site supervisor & operatives

3 **APPLICABLE DOCUMENTS**

3.1 WI20/01 Peat Harvesting Operational Controls

3.2 WI20/02 Silt Pond Visual Inspection & Sampling Requirements

4 **MATERIALS REQUIRED**

4.1 Adjustable weir control

4.2 Mechanical Excavation equipment

5 **SAFETY**

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

6 **PROCEDURE**

6.1 All silt ponds need to be cleaned out a minimum of 2 times per year preferably in April before Peat Harvesting commences and in September after production has ceased for the year.

6.2 In years with higher than normal average rainfall the silt ponds should be cleaned out a 3rd time possibly in January.

6.3 The silt ponds will also be cleaned out as required dependent on the feedback from visual audit inspection completed every week for all silt traps.

6.4 Or alternatively based on the analytical results completed every 4 weeks for all silt traps for suspended solids exceeding 35 Mg/Litre as stipulated by Environmental Protection Agency.

6.5 Particular attention should be paid to silt pond cleanliness and weir level adjustment post occurrences of heavy rainfall.

6.6 When cleaning silt ponds the weir on the outlet of the silt traps need to be dammed up to contain all the liquid within the settlement trap ensuring that there is sufficient capacity to hold up to 6 hours worth of runoff volume.

6.7 The silt pond should be cleaned from upstream direction towards the down stream outfall.

6.8 The silt pond will then be dredged with mechanical digger with the excavated sludge being spread onto production fields and allowed to dry out or used for maintenance and bulldozed over cut away bog and stabilised.

6.9 Special care needs to be paid to ensure there is no run off back into the silt trap during cleaning and that we do not cause any additional peat deposition into the silt traps by disturbing the side walls.

6.10 The outlet of the silt trap needs to remain closed post cleaning and not opened until all suspended peat particles in the trap have settled post being disturbed by cleaning.

7 **MISCELLANEOUS**

7.1 Original training records will be retained on site in Peat Harvesting Area.

8 **ATTACHMENTS**

8.1 WIR20/03 Silt Pond Cleaning Record

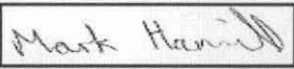
8.2 TR20/03 Silt Pond Cleaning Training Record



WIR20/03 Silt Pond Cleaning Record



TR20/03 Training Record Silt Pond Clea

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## WIR20/03 Silt Pond Cleaning Record Sheet

Date	Time Cleaning Commenced	Location	Silt Pond ID	Cleaning Record			
				Reason For Cleaning i.e. Scheduled / Post Visual Or Analytical Feedback etc	Weir Dammed Off Completion (Yes/No)	Time Weir Level Adjusted to Allow Outflow	Comments

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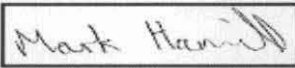




TITLE:	PEAT HARVESTING SITE OPERATIONAL CONTROLS
DOCUMENT #:	WI20/01
REV:	0

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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**1 PURPOSE**

1.1 To provide detailed instructions for the correct operational practises in the peat harvesting process to minimise air borne dust emissions & potential pollution of waterways with silt.

**2 SCOPE**

2.1 Applicable to all peat harvesting operatives operating on site.

**3 APPLICABLE DOCUMENTS**

3.1 WI20/02 Silt Pond Inspection & Sampling

3.2 WI20/03 Silt Pond Cleaning

**4 MATERIALS REQUIRED**

4.1 None specified

**5 SAFETY**

5.1 Westland horticulture Company Health and Safety policies must be strictly adhered to

**6 PROCEDURE**

6.1 Drivers must take care not to turn short over drains at headlands playing close attention to proximity to drains and being careful to limit speed.

6.2 Drainage manholes must be maintained free of peat at all times.

6.3 Outside harrow spoons must be directed away from drains to ensure no silt can be deposited.

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6.8 When harvesting the jib will be maintained low to the stockpile.

6.9 All road transported peat will be suitable covered / sheeted to prevent dust emissions.

6.10 At the end of season all milled peat remaining on fields should be ridged or compacted to prevent airborne dust generation or silt deposition in waterways.

6.11 There should be no stock piling of loose peat within 100 metres of the River Inny.

6.12 Production operations will be suspended in very windy weather.

**7 MISCELLANEOUS**

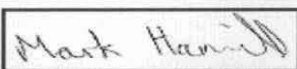
7.1 Original Training Records Will Be Held On Site In peat Harvesting Area

**8 ATTACHMENTS**

8.1 TR20/01 Training Record For Peat Harvesting Operational Controls



TR20/01 Training Record For Peat Harv

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# Certificate of Registration



This is to certify that the Environmental Management System of

**Westland Horticulture**

14 Granville Industrial Estate, Granville Road, Dungannon, Co. Tyrone, BT70 1NJ

applicable to

**Processing and packaging of growing media and soil ameliorants**

has been assessed and registered by NQA against the provisions of

**BS EN ISO 14001 : 2004**

This registration is subject to the company maintaining an environmental management system, to the above standard, which will be monitored by NQA

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Head of NQA



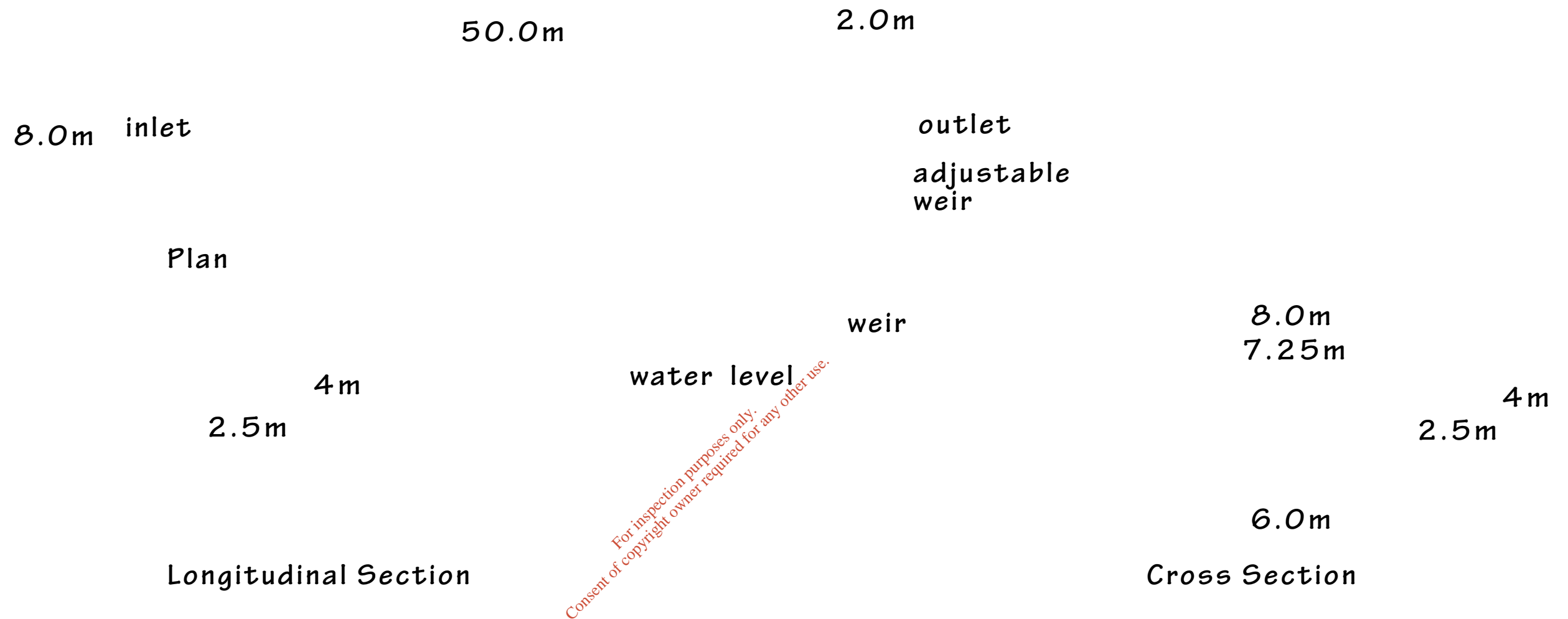
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Certificate No:  
Date:  
Reissued:  
Valid Until:

E 226  
14 November 2001  
10 September 2008  
10 September 2011

# SILT TRAP 1

Drawings are based solely on information and instruction provided by Westland Horticulture



Lower Coole  
Westland Horticulture

greeveskellycairns

design@greeveskellycairns.co.uk

www.greeveskellycairns.co.uk



grid ref east 239547.6490

grid ref west 272724.634

50 metres long

6.38metres wide

3.5- 2.5 metres deep (max-min)

capacity 1160-830 (max-min) cubic Metres

16 Ha of bog flows into this pond

# SILT TRAP 1

Drawings are based solely on information and instruction provided by Westland Horticulture



Lower Coole  
Westland Horticulture

greeveskellycairns

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grid ref east 239547.6490

grid ref west 272724.634

50 metres long

6.38metres wide

3.5- 2.5 metres deep (max-min)

capacity 1160-830 (max-min) cubic Metres

16 Ha of bog flows into this pond

# SILT TRAP 2

Drawings are based solely on information and instruction provided by Westland Horticulture

120m

7.7m inlet

Plan

adjustable weir outlet

2.0m

water level

weir

7.7m  
6.7m

2.0m

Longitudinal Section

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Cross Section

5.7m

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Westland Horticulture

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grid ref east 239262.5900

grid ref west 272362.554

120 metres long

7.75 metres wide

3 - 2 metres deep (max - min)

capacity 2800 - 1860 cubic Metres (max - min)

36 Ha of bog flows into this pond

# SILT TRAP 3

Drawings are based solely on information and instruction provided by Westland Horticulture



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**Westland Horticulture**

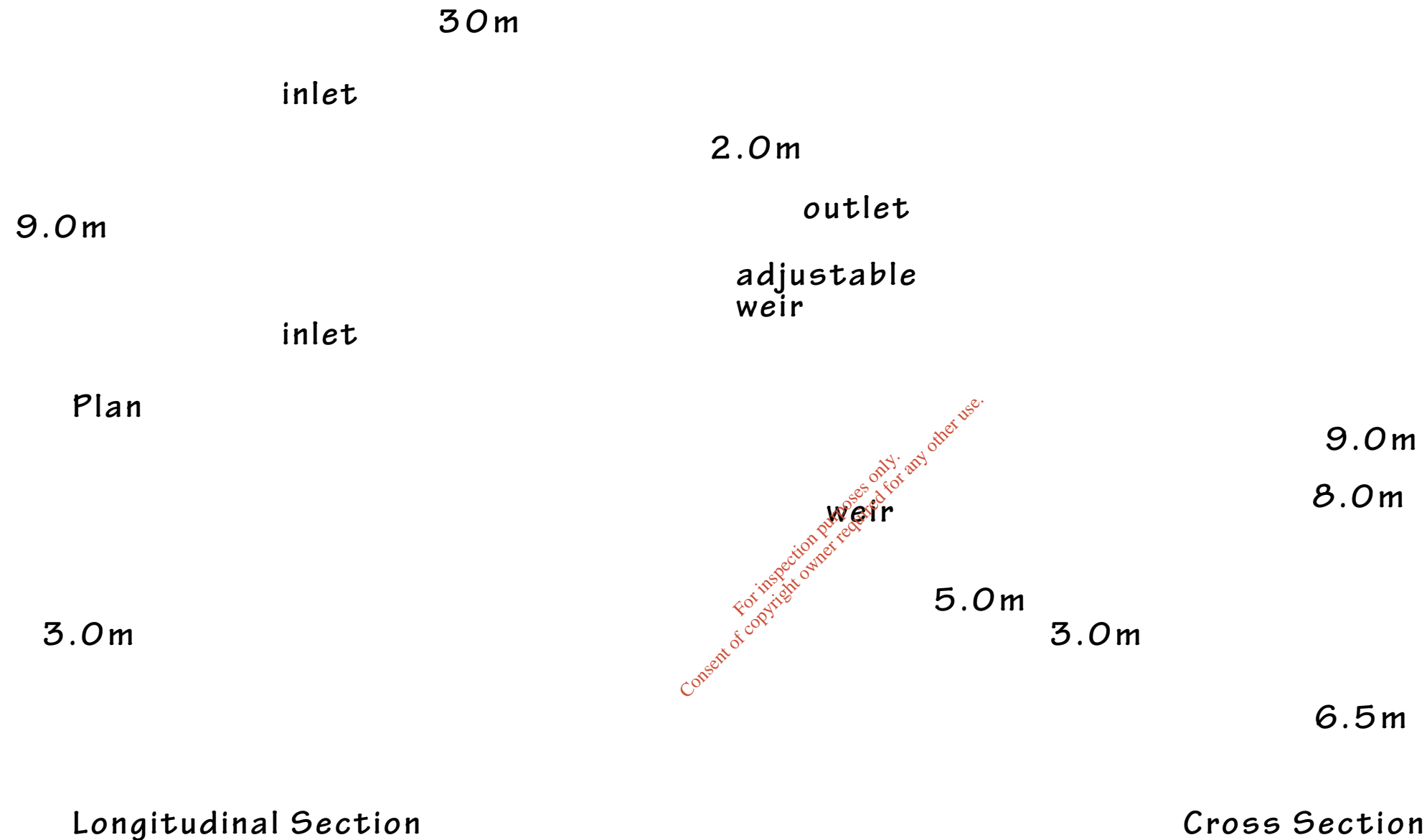
**greeveskellycairns**  
design@greeveskellycairns.co.uk  
www.greeveskellycairns.co.uk



grid ref east 239246.5900  
grid ref west 271815.436  
50 metres long  
7.5 metres wide  
3 - 2 metres deep (max - min)  
capacity 1125 - 750 cubic Metres (max - min)  
15 Ha of bog flows into this pond

# SILT TRAP 4

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Westland Horticulture

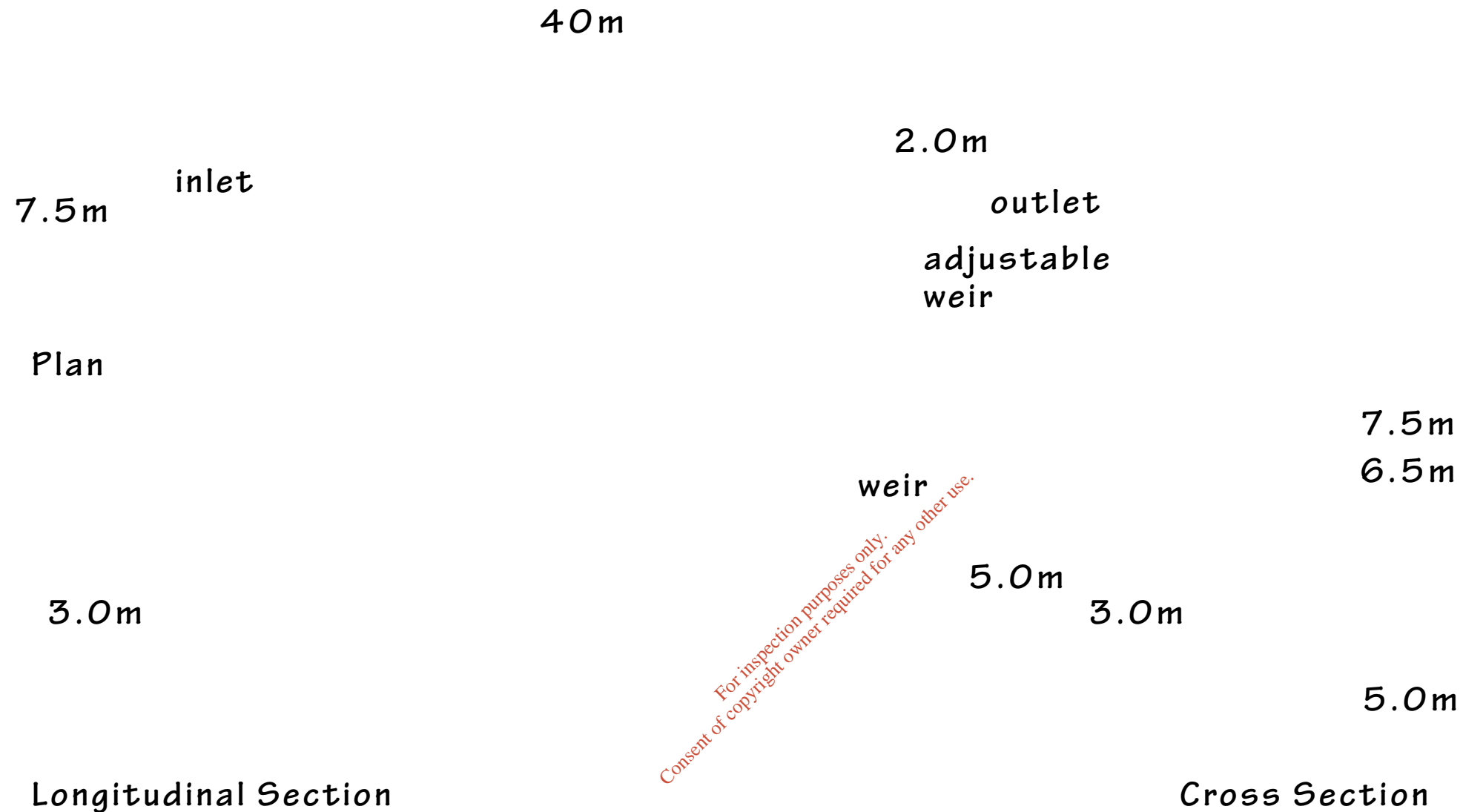
greeveskellycairns  
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grid ref east 239446.6350  
grid ref west 271443.357  
30 metres long  
9.0 metres wide  
4 - 3 metres deep (max - min)  
capacity 1080 - 810 cubic Metres (max - min)  
16 Ha of bog flows into this pond

# SILT TRAP 5

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grid ref east 239822.7180

grid ref west 271192.305

40 metres long

7.5 metres wide

4 - 3 metres deep (max - min)

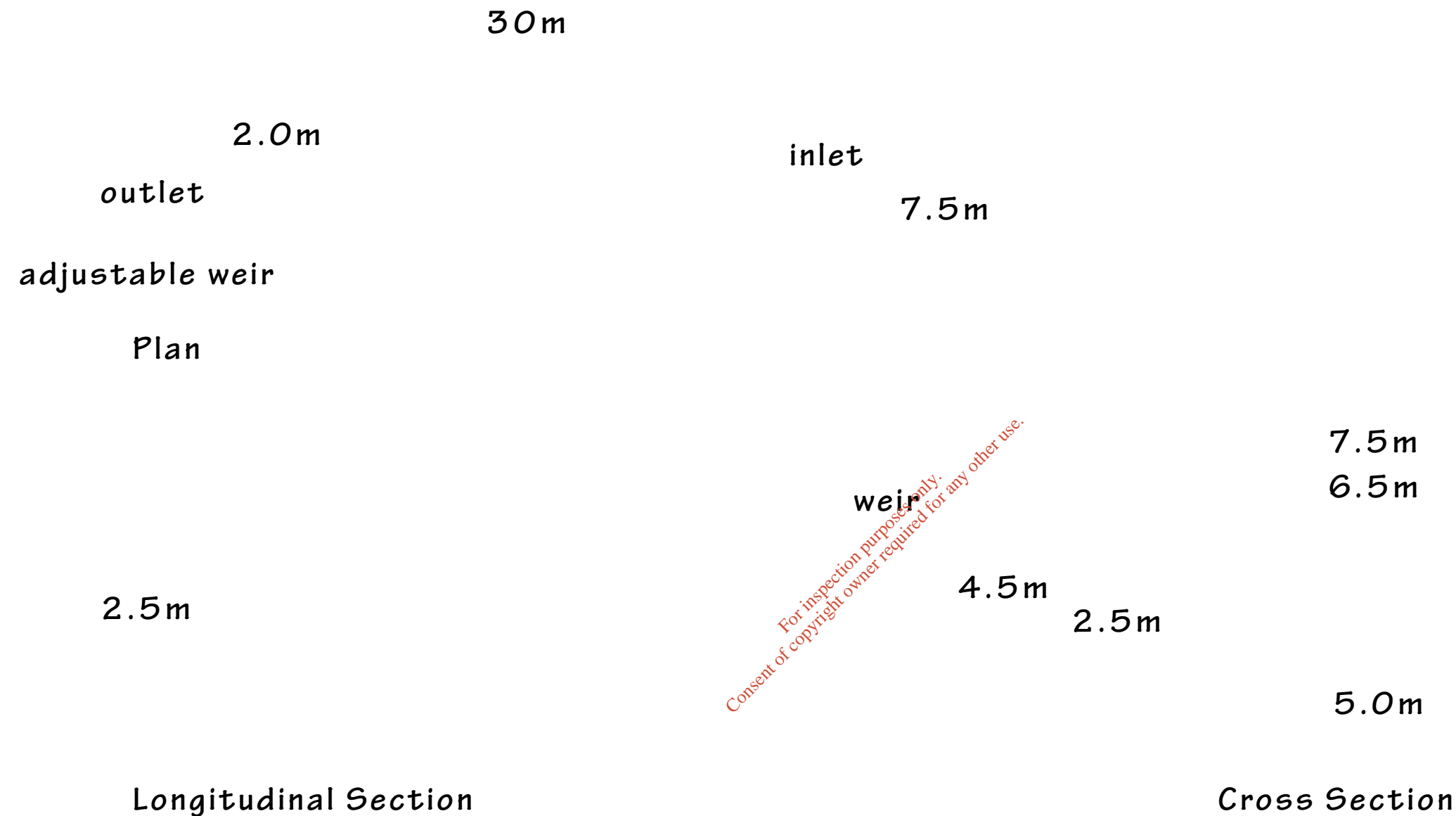
capacity 1200 - 900 cubic Metres (max - min)

16 Ha of bog flows into this pond



# SILT TRAP 6

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grid ref east 239259.5960

grid ref west 271289.322

30 metres long

7.5 metres wide

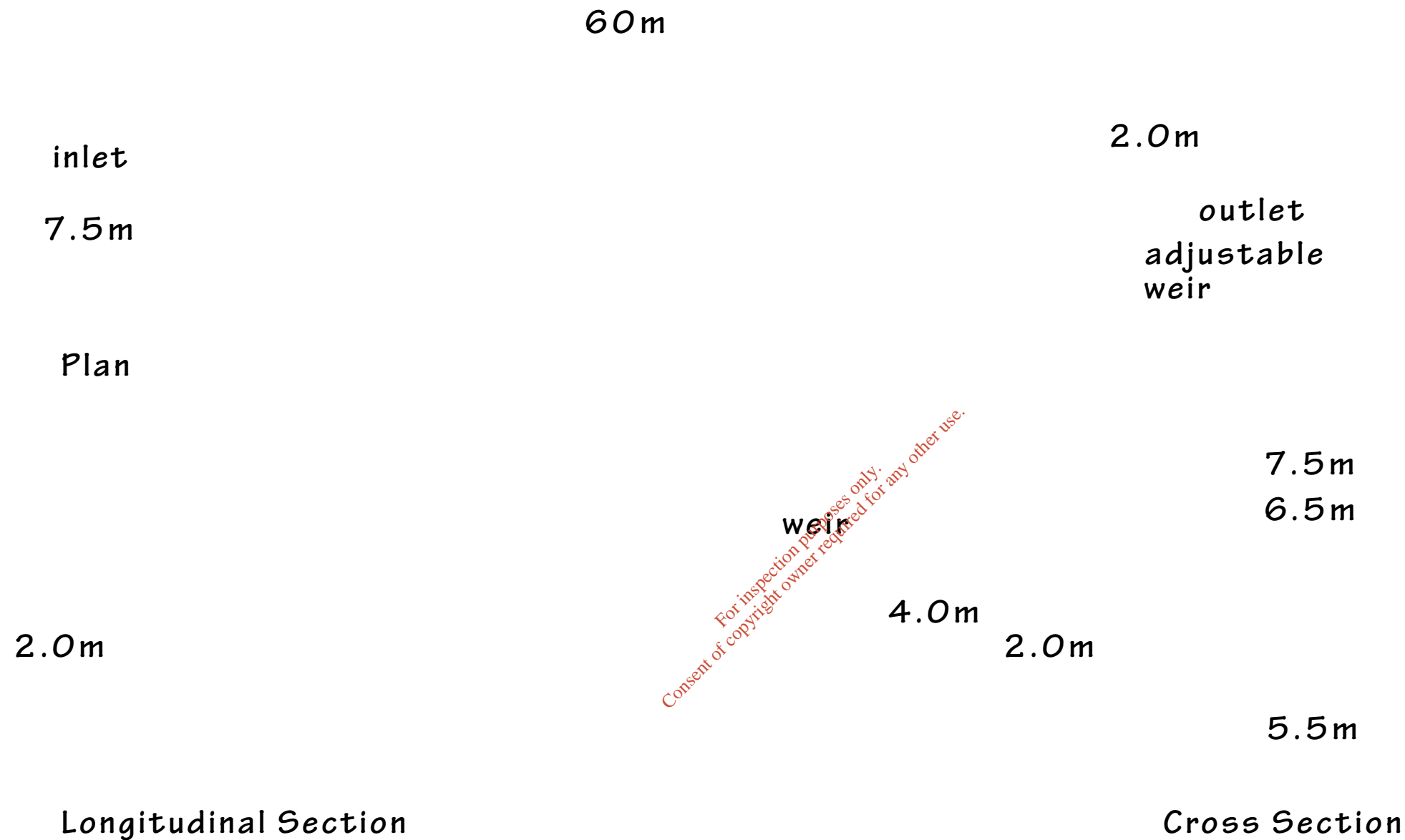
3.5 - 2.5 metres deep (max - min)

capacity 787 - 560 cubic Metres (max - min)

11 Ha of bog flows into this pond

# SILT TRAP 7

Drawings are based solely on information and instruction provided by Westland Horticulture



**Ballinaloe**  
**Westland Horticulture**

**greeveskellycairns**

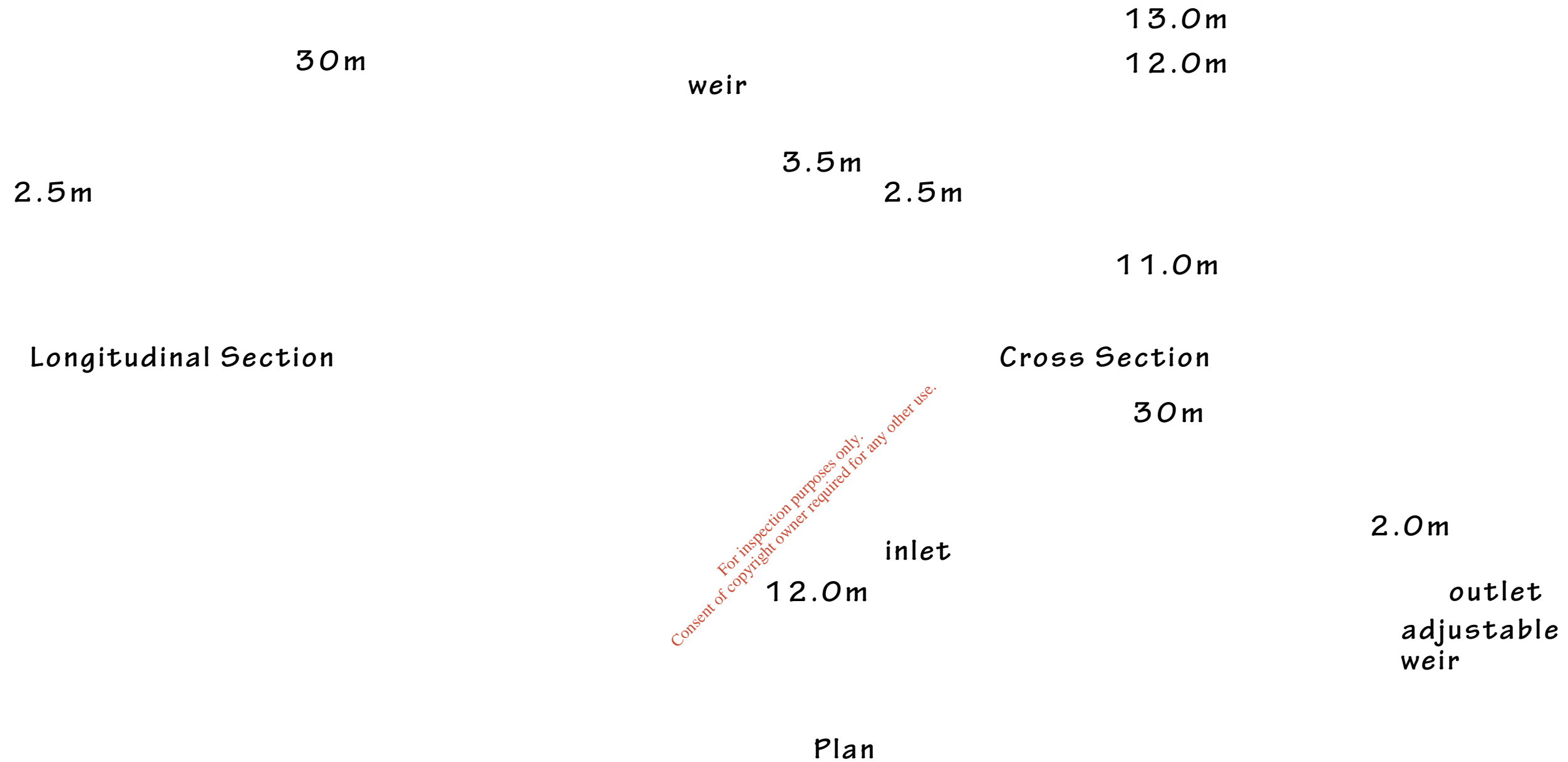
design@greeveskellycairns.co.uk  
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grid ref east 240337.8330  
grid ref west 270693.200  
60 metres long  
7.5 metres wide  
3.0 - 2.0 metres deep (max - min)  
capacity 1350 - 900 cubic Metres (max - min)  
18 Ha of bog flows into this pond

# SILT TRAP 8

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grid ref east 241290.9980

grid ref west 2767672.514

30 metres long

12 metres wide

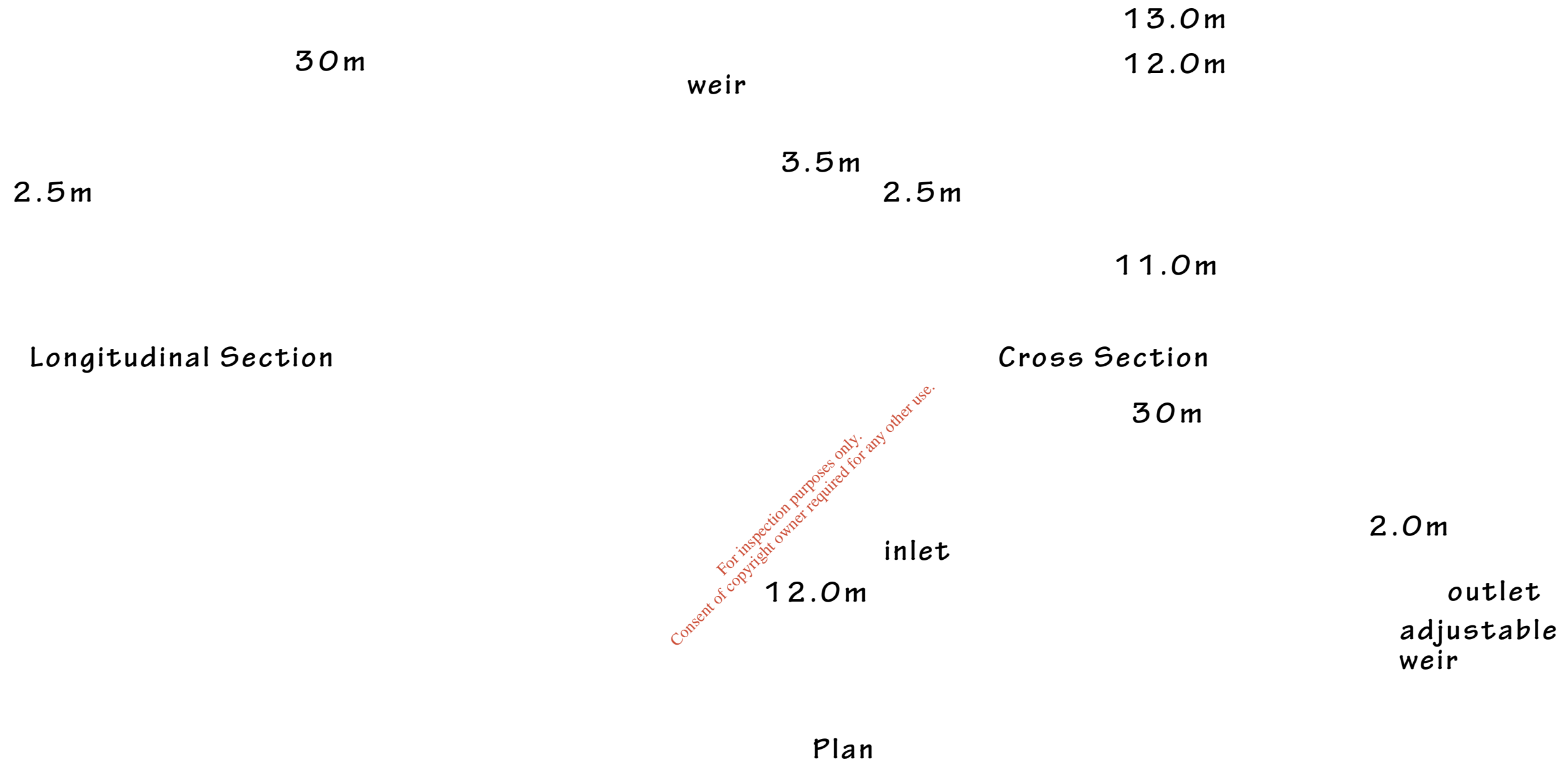
3.5 - 2.5 metres deep (max - min)

capacity 1260 - 900 cubic Metres (max - min)

16 Ha of bog flows into this pond

# SILT TRAP 9

Drawings are based solely on information and instruction provided by Westland Horticulture



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grid ref east 241639.0750

grid ref west 276801.460

30 metres long

12 metres wide

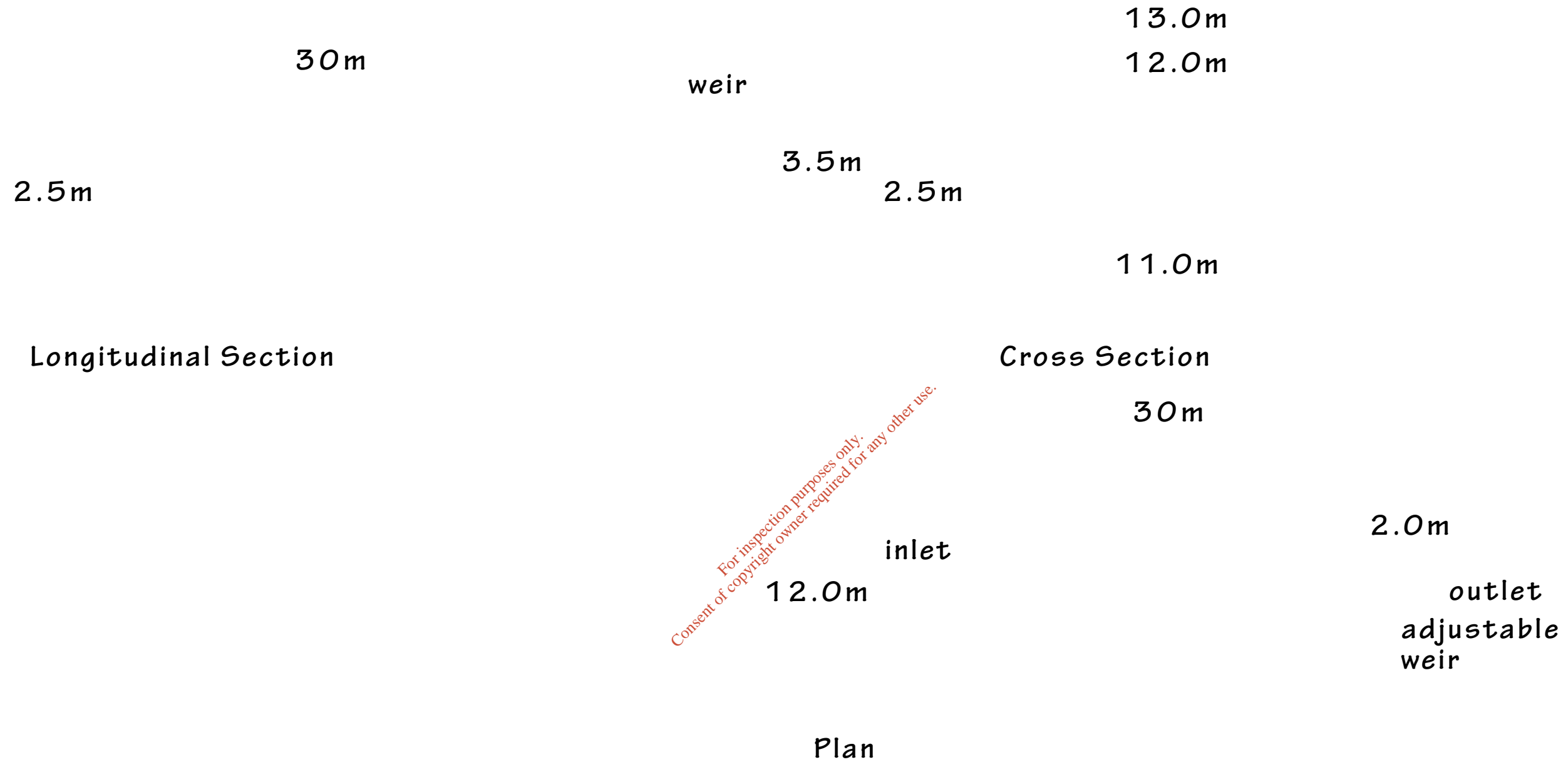
3.5 - 2.5 metres deep (max - min)

capacity 1260 - 900 cubic Metres (max - min)

16 Ha of bog flows into this pond

# SILT TRAP 10

Drawings are based solely on information and instruction provided by Westland Horticulture



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grid ref east 242118.1740

grid ref west 277086.589

30 metres long

12 metres wide

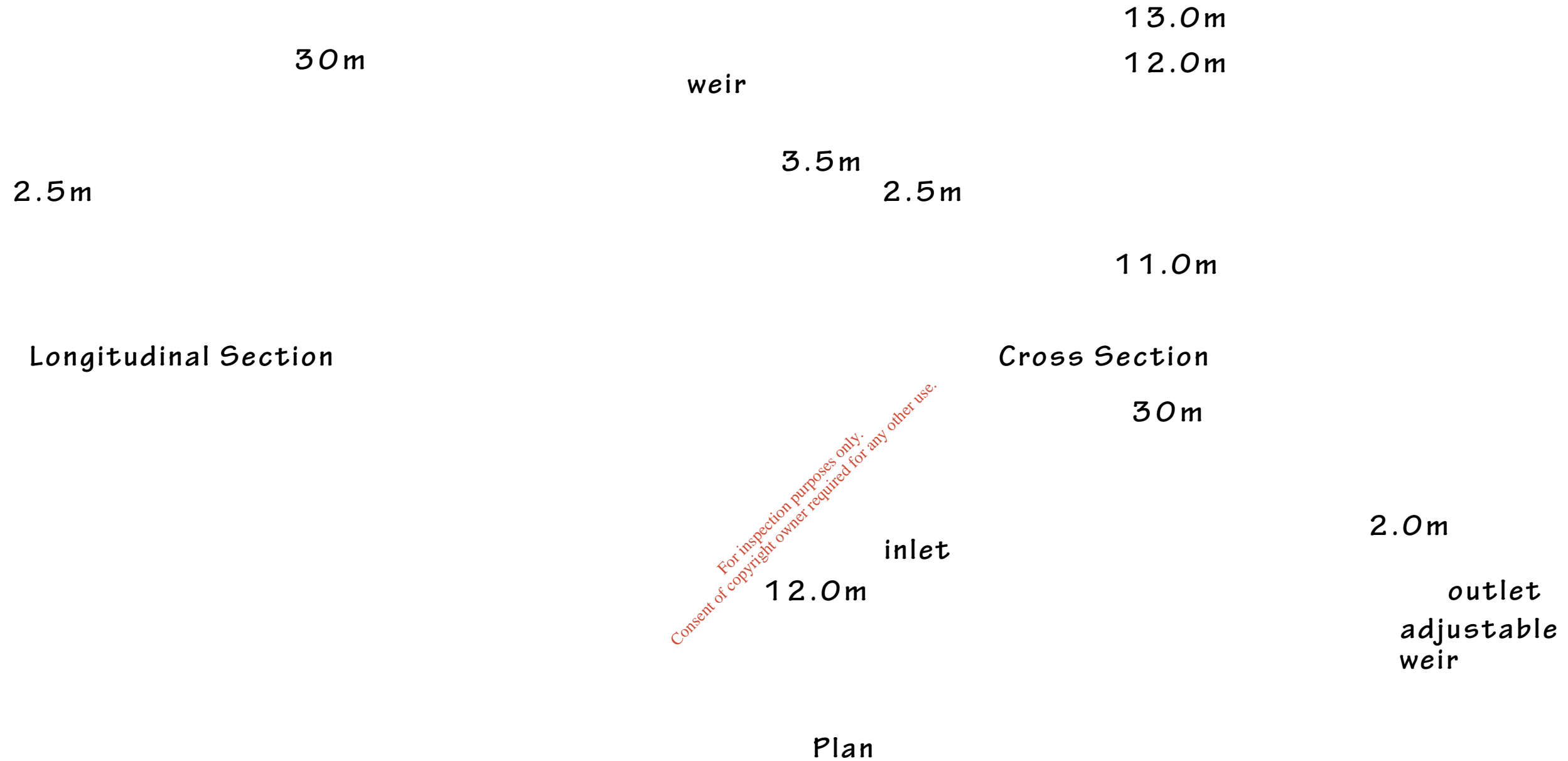
3.5 - 2.5 metres deep (max - min)

capacity 1260 - 900 cubic Metres (max - min)

16 Ha of bog flows into this pond

# SILT TRAP 11

Drawings are based solely on information and instruction provided by Westland Horticulture



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grid ref east 241824.1100

grid ref west 277184.608

30 metres long

12 metres wide

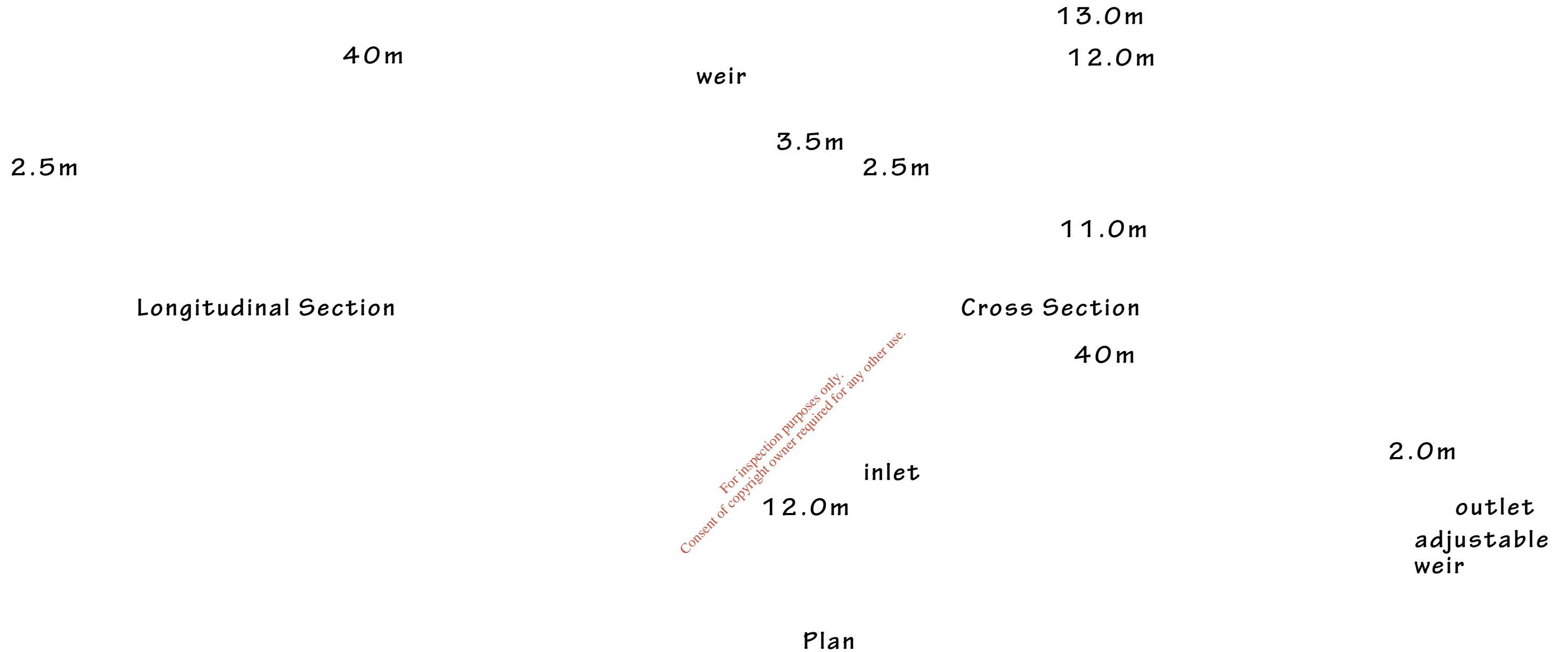
3.5 - 2.5 metres deep (max - min)

capacity 1260 - 900 cubic Metres (max - min)

16 Ha of bog flows into this pond

# SILT TRAP 12

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grid ref east 240831.8950

grid ref west 277259.618

40 metres long

12 metres wide

3.5 - 2.5 metres deep (max - min)

capacity 1680 - 1200 cubic Metres (max - min)

20 Ha of bog flows into this pond

# Attachment No. I8:

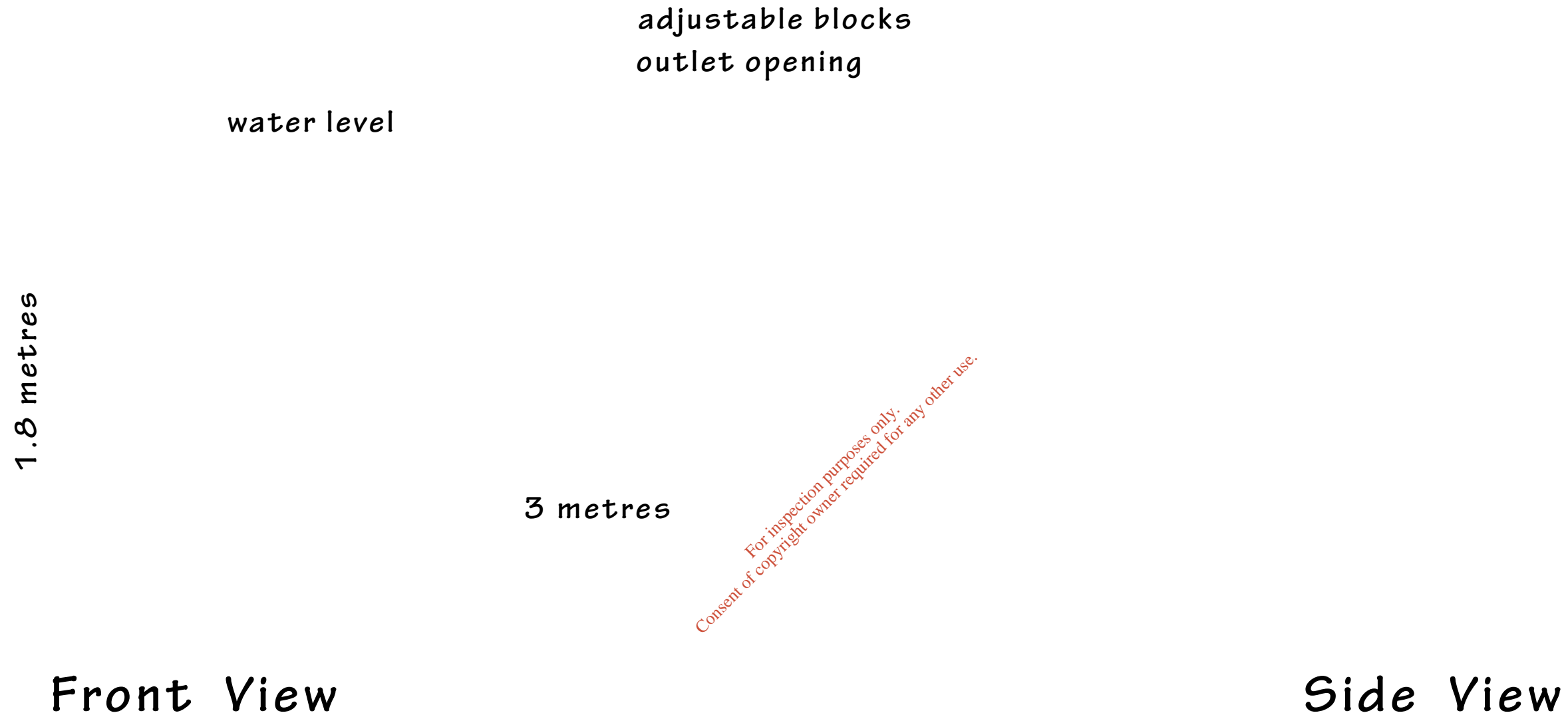
## Engineering Drawings For silt Traps & Adjustable Weir Designs

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# WEIR DETAILS

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Coole Bog ..West Meath  
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this weir can be adjusted up or down in 150mm intervals

- this will control the water speed and level at all times. This weir detail will be repeated at all silt traps

Architecture  
Design  
Conservation  
Project Management

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# Attachment No. J:

## WI2004 Action To Be Taken in Event Of Chemical Spills On Peat Harvesting Site

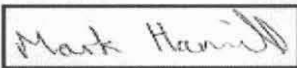
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TITLE:	<b>ACTION TO BE TAKEN IN EVENT OF CHEMICAL SPILLS IN PEAT HARVESTING AREA</b>
DOCUMENT #:	<b>WI20/04</b>
REV:	<b>0</b>

REV	DESCRIPTION OF CHANGE	EFFECTIVE DATE	RELEASE DATE	AUTHOR
0	ORIGINATE:	23/06/09	24/06/09	MARK HAMILL

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<b>APPROVED BY</b> 	<b>Date 24/06/09</b>
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1 **PURPOSE**

1.1 To provide detailed instructions on action to take in event of chemical spillage occurrence at a peat harvesting operational site.

2 **SCOPE**

2.1 Applicable to all site operatives & Site manager

3 **APPLICABLE DOCUMENTS**

- 3.1 WI20/01 Peat Harvesting Operational Controls
- 3.2 WI20/02 Silt Pond Visual Inspection & Sampling Requirements
- 3.3 WI20/03 Silt Pond Cleaning

4 **MATERIALS REQUIRED**

- 4.1 Absorbent materials in chemical spill kit
- 4.2 Contaminated waste containers
- 4.3 Shovel
- 4.4 Gloves

5 **SAFETY**

5.1 Westland Horticulture Company Health and Safety policies must be strictly adhered to

6 **PROCEDURE**

- 6.1 The main source of chemical spills on site at the peat harvesting operations will be from Mobile refuelling vehicles.
- 6.2 Action has been taken to minimise the risks of chemical spills during refuelling on the bogs by using banded bowsers for refuelling.
- 6.3 When refuelling there should always be a spill kit of absorbent material on hand to prevent spillage from occurring.
- 6.4 If chemical spills do occur the operators need to quickly use absorbent spill kits to contain the leak and prevent it from entering the watercourses of surface or ground waters.
- 6.5 A clean up then needs to occur where all contaminated material including peat, soil and absorbent material is shovelled into the contaminated waste bins provided.
- 6.6 The exact details of the incident, the clean up and the volume of contaminated waste generated will be logged in the work instruction record sheet WIR20/04 attached.
- 6.7 The site manager must then be informed of the incident as soon as possible to log the incident and arrange for the contaminated waste to be collected and disposed off by licensed waste disposal haulage contractors.
- 6.8 The site manger will then survey the site to ensure that there has been no pollution of the water courses on site before deciding to contact the appropriate local authorities and agencies.

7 **MISCELLANEOUS**

- 7.1 Detailed as part of site Environmental Management Plan
- 7.2 Note all original records & Training will be retained on site in Peat Harvesting Area.

8 **ATTACHMENTS**

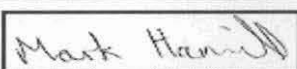
- 8.1 WIR20/04 Incident Record Sheet In Event of Chemical Spills In Peat Harvesting Area.
- 8.2 TR20/04 Training Record For Action To Be Taken in Event Of Chemical Spill In Peat Harvesting Area.



WIR20/04 Incident Record In Event of Chemical Spills In Peat Harvesting Area



TR20/04 Training Record For Action To Be Taken in Event Of Chemical Spill In Peat Harvesting Area

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**WIR20/04 Action To Be Taken In Event of Chemical Spill In Peat Harvesting Area**

Date	Time Cleaning Commenced	Location	Silt Pond ID	Chemical Spillage Incident Reporting Record		
				Detail Actions Taken As Per Training To Document W120/04: Actions To Be Taken In Event of Chemical Spill In Peat Harvesting Area	Log Time Site Manager Contacted	Estimation of volume / Extent of Spill & Waste Generated

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