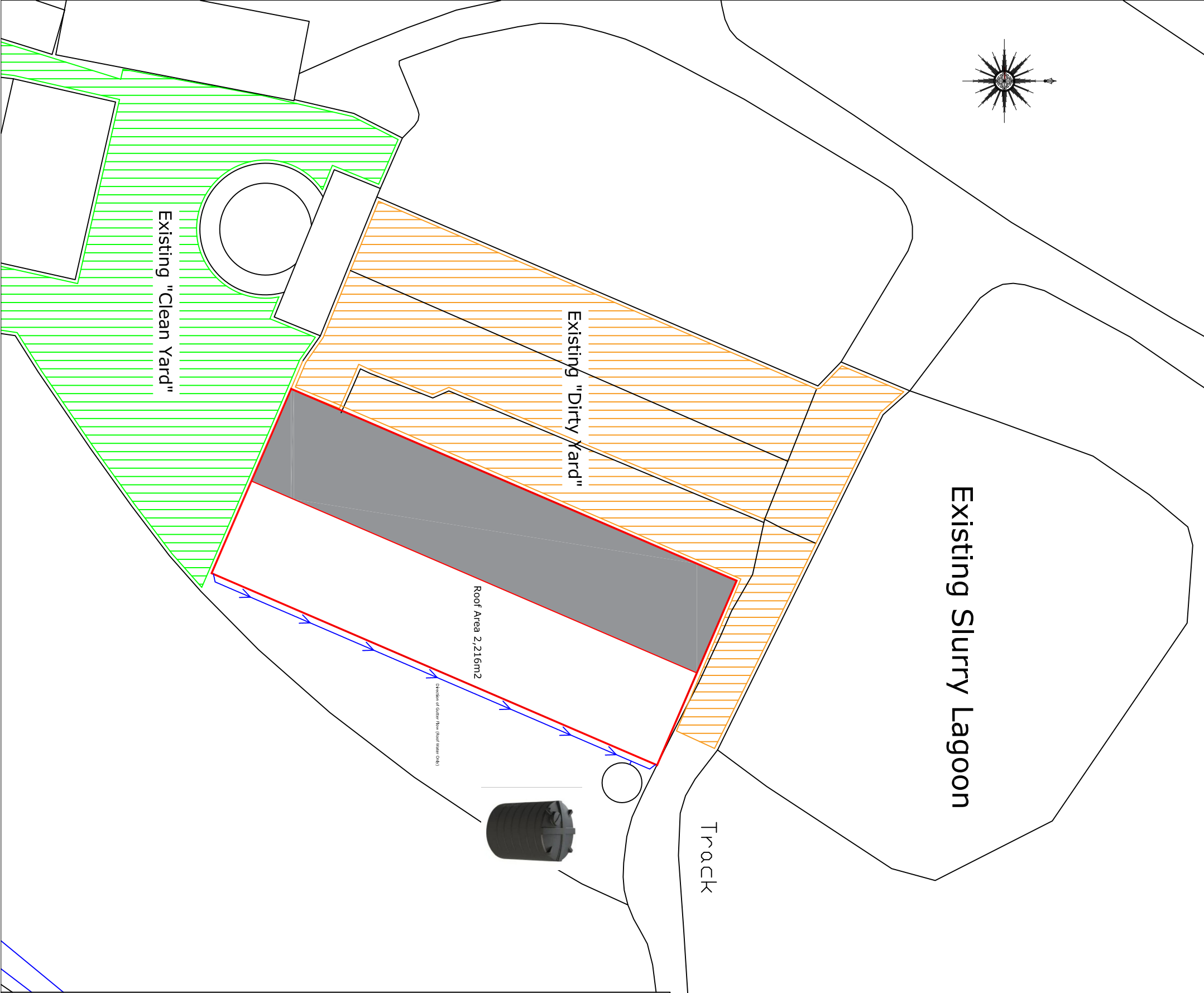
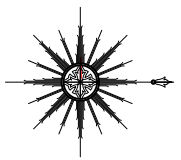


**General Notes:**

- This drawing is copyright, reserved and remains the property of the Architect.
- All levels and dimensions are to be checked on site by the contractor prior to installation, and any discrepancies must be reported promptly to the Architect.
- Dimensions are to be read off this drawing and not from the photographs.
- All work to be executed in strict accordance with the British Standards/Approved Code of Practice.
- All work to conform to applicable codes of the British Standards/Approved Code of Practice.
- All work to be completed with all necessary permits in conjunction with all other documents.

**PLANNING**

Rev. No. / Date / Description



**SUDS Strategy**

The yard to the south of the existing parlor is classed as "Clean" and therefore no runoff from this yard will need to be collected as the area is only used for the transportation to and from the existing animal housing and yard.

All roof water will be gathered via a new independent surface water system, completely segregated from all other sources / drains.

The proposed surface water drainage scheme will comply with the legislation in the following ways:

It is proposed to harvest and use all of the roof runoff as a valuable natural resource while managing it in a way that will not cause a risk to flooding in the area.

The agricultural industry uses a lot of water for numerous uses from watering the animals, washing down machinery, diluting slurry, yard and road cleansing and even crop watering in some circumstances, the list goes on.

The intention is to provide water harvesting for the benefit of the livestock.

The existing lagoon in designed and sized to accommodate the surface water run off from the 'dirty yard areas'. Water will be used daily for the day to day use of the farm with any remaining water released over the yard / shed floor for cleansing on dry days and re-hydration of the existing lagoon for spreading.

**STANDARD 1:** Destination We intend to fully harvest and re-use the water.

**STANDARD 2:** Hydraulic control Hydraulic control not required in this instance.

**STANDARD 3:** Water Quality Roof runoffs of a low hazard with no treatment required for its proposed use as agricultural washing down.

**STANDARD 4:** Amenity We have prioritized harvesting in this strategy and so believe the Amenity standard can be disregarded.

**STANDARD 5:** Biodiversity We have prioritized harvesting in this strategy and so believe the biodiversity standard can be disregarded.

**STANDARD 6:** Construction and maintenance. The system has been designed to be as simple and efficient to construct and maintain as possible.

**Summary:**

- The primary principle is to gather surface water in a controlled manner for reuse on the farm.
  - It is paramount that the farm has access to clean and safe water at all times without the risk of any harmful contaminants entering the system.
  - Excess or unused water will be directed into the existing lagoon which is already designed to accommodate the existing hard standing below the proposed shed.
  - Exceedance events will find the water flowing to an existing lagoon **that cannot be hydraulically overloaded by the development.**
- The entire system will be under the care of a carefully planned maintenance regime.

THIS IS A TRUE COPY OF THE DRAWING REFERRED TO IN THE APPLICATION.

DATE: .....

SIGNED: .....



**Gross Converters Ltd**

**Project**  
 Byn Celli Ddu  
 Llonddaniel, Yrŷs Mon  
 LL61 6EQ

**SUDS STRATEGY**

<b>Date</b>	<b>Scale</b>
2023.04.12	SCALENTS
<b>Drawn By</b>	<b>Checked By</b>
EP	/
<b>Drawing No.</b>	<b>Rev.</b>
2302/70/01	PL