

**Project:** Cinders Farm, Ruabon  
**Client:** Wynnstay Home Farm

**Project No:** 12443

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**Checked by:** David Jones  
**Approved by:** Tim Mitchell

**Date:** 05/06/2020  
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| Revision | Date       | Revision Detail |
|----------|------------|-----------------|
| A        | 05/06/2020 | First Issue     |
|          |            |                 |
|          |            |                 |
|          |            |                 |
|          |            |                 |

**Requirement:**

The CDM regulations place an obligation on the Designer to eliminate hazards so far as is reasonably practicable, and reduce the risk from remaining hazards during the design process. The Designer has undertaken this assessment to identify any extra-ordinary risks, or those that would not be expected on this particular project by an experienced and competent Contractor. The aim is to avoid needless paperwork and bureaucracy and ensure the assessment is project specific, relevant and proportionate to the risk.

**DRA Summary**

Each of the following risk areas has been considered using the question below. Is a risk present which is considered to be **extra-ordinary or unexpected** in this instance?

If **YES** - A detailed risk assessment is required and attached accordingly  
 If **NO** - No further action is required.

| Hazard Ref. | Risk Areas                                     | YES or NO |
|-------------|------------------------------------------------|-----------|
| 1           | Ground Conditions                              | NO        |
| 2           | Hazardous Environment                          | NO        |
| 3           | Existing Working Environment                   | NO        |
| 4           | Existing Services                              | NO        |
| 5           | Proximity to Other Structure(s)                | NO        |
| 6           | Near Waterbody / flood risk                    | NO        |
| 7           | Proximity to Other Activities                  | NO        |
| 8           | Sequence of Construction                       | NO        |
| 9           | Access                                         | NO        |
| 10          | Interfaces                                     | NO        |
| 11          | Confined Space Working                         | NO        |
| 12          | Maintenance Considerations                     | YES       |
| 13          | Working at Height                              | NO        |
| 14          | Steep Slopes                                   | NO        |
| 15          | Demolition / Refurbishment / Repair            | NO        |
| 16          | Welfare                                        | NO        |
| 17          | Occupational Health                            | NO        |
| 18          | Environmental Issues                           | NO        |
| 19          | Other Significant Hazards not Identified Above | NO        |
| 20          | Residual Risk to Future Users                  | YES       |

**DRA Guidance**
**Risk Ranking (RR) System**

|                   |                    |   | SEVERITY / CONSEQUENCE (HAZARD) |             |               |           |                |
|-------------------|--------------------|---|---------------------------------|-------------|---------------|-----------|----------------|
|                   |                    |   | MINOR<br>1                      | SLIGHT<br>2 | MODERATE<br>3 | HIGH<br>4 | VERY HIGH<br>5 |
| LIKELIHOOD (RISK) | EXTREMELY UNLIKELY | 1 | 1                               | 2           | 3             | 4         | 5              |
|                   | UNLIKELY           | 2 | 2                               | 4           | 6             | 8         | 10             |
|                   | LIKELY             | 3 | 3                               | 6           | 9             | 12        | 15             |
|                   | VERY LIKELY        | 4 | 4                               | 8           | 12            | 16        | 20             |
|                   | CERTAIN            | 5 | 5                               | 10          | 15            | 20        | 25             |

**Severity / Consequences Definitions**

|   |           |                                                                                         |
|---|-----------|-----------------------------------------------------------------------------------------|
| 5 | Very High | Death(s) / Permanent incapacity / Widespread loss                                       |
| 4 | High      | Major injury (reportable category) / severe incapacity / serious loss                   |
| 3 | Moderate  | Injury / illness requiring 3 days or more absence (reportable category) / moderate loss |
| 2 | Slight    | Minor injury / illness - immediate first aid only - slight loss                         |
| 1 | Minor     | No or trivial injury / illness / loss                                                   |

**Priority of Action**

|                           |                                        |                     |                                      |
|---------------------------|----------------------------------------|---------------------|--------------------------------------|
| Score                     | 1 - 5                                  | 6 - 10              | Above 10                             |
| Rating                    | Low Risk                               | Medium Risk         | High Risk                            |
| Minimum Acceptable Action | PPE, Signage,<br>Best working practice | Isolate,<br>Control | Eliminate,<br>Reduce by substitution |

**\* PI = Positive Intervention** - A positive intervention is defined as a design decision taken by the Designer for Health & Safety reasons.

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| Haz Ref | Risk Area                     | Activity                                                          | Hazard                                                                            | Affected Parties                                      | Possible Consequences for Affected Parties                                                                   | Initial RR |   |    | Designer's Measures                                                                                                                                                                                                 | Contractor/Owner/Maintainer Measures                                                                                                                | Revised RR |   |   | Residual Risks                | PI                       |
|---------|-------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------|---|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|---|-------------------------------|--------------------------|
|         |                               |                                                                   |                                                                                   |                                                       |                                                                                                              | S          | L | R  |                                                                                                                                                                                                                     |                                                                                                                                                     | S          | L | R |                               |                          |
| H12.0   | Maintenance Considerations    | Detention basin/pond embankments to be planted/seeded with grass. | Risk of localised flooding in extreme rainfall events if not properly maintained. | Public, Maintenance company/body, Local Authority/NRW | Localised flooding, potentially resulting in damage to SuDS features and pollution of receiving watercourse. | 2          | 3 | 6  | Grass / soil reinforcement proposed to banks to reduce chance of washout of fines. Introduced baffle block at inlet structure to reduce potential for scour of base around the inlet upon point of initial filling. | Maintainer to ensure that SuDS features are regularly maintained in accordance with the proposed maintenance schedules.                             | 2          | 1 | 2 | Hazard remains, risk reduced. | <input type="checkbox"/> |
| H20.0   | Residual Risk to Future Users | Water retained in detention basin/ attenuation pond.              | Risk of drowning during high return period storm events.                          | Employees/ public.                                    | Drowning/Death                                                                                               | 5          | 2 | 10 | Detention basin positioned well away from operational area.                                                                                                                                                         | Client/Maintenance team to follow suitable safe working practices when working in/near SuDS features. Consider provision of fence around perimeter. | 5          | 1 | 5 | Hazard remains, risk reduced. | <input type="checkbox"/> |