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Foreword

The sport of golf is reaching more and more people through increasing numbers of high profile tournaments, Olympic games participation and development of the sport across the globe. This means potentially greater impacts on the ecosystems, businesses and communities it touches. In response to this the golf industry is investing in a comprehensive set of guidelines and voluntary standards to help define sustainable golf facilities, measure their performance and raise the bar across the globe.

Building new golf facilities is a part of the golf industry that can have a profound effect on the way the game is perceived by many. The creation of this voluntary standard is a recognition of that. Sustainable golf courses can contribute greatly to a more resilient property, better able to adapt to the future challenges we will face in nature, community and business.

By aligning development practices with the healthy native ecosystems, the needs of local communities and the ambition of local and international business this document ensures developers, owners, designers, constructors and others benefit by:

1. Understanding baseline for sustainable golf developments
2. Supporting golf development’s associated professions
3. Ensuring rigorous and comprehensive coverage of a project’s potential gains
4. Delivering credible and international recognition and messaging

The central principle that underpins the work that has gone into creating this voluntary international standard is that any golf development has the potential to enhance local ecosystems, conserve resources and support communities.
Acknowledgement

This consultation process of this standard was conducted in line with ISEAL Alliance Codes of Best Practice and was overseen by a diverse body of consultees that forms the Working Group.

Working Group Members

Justin Apel, representing a Golf Course Builders Association of America Task Force
Sara Beavis, Senior Lecturer, Australian National University College of Medicine, Biology and Environment
Ziyun Dai, Beijing Forestry University
Robert Donkers, Former Coordinator for Urban Policy, DG Environment for the European Commission
Richard Holland, Director of Market Transformation, World Wildlife Fund
Tom Mackenzie, representing a European Institute of Golf Course Architects Task Force
Ross Perrett, representing a Society of Australian Golf Course Architects Task Force
Jason Straka, representing an American Society of Golf Course Architects Task Force
Preface

This document forms the international voluntary sustainability standard for the process of developing a golf course. It is a part of a larger set of documentation that sets out the voluntary standards along with guidance, mentoring and certification for the:

- Sustainable operations of a golf facility;
- Sustainable development of a golf facility;
- Sustainable hosting of a golf tournament.

The schematic below illustrates the documents that forms this larger set of information and the respective ownership groups:

![Figure 1. Sustainable Golf Documents](image)

Application

The voluntary sustainability standard for golf developments sets out a framework for the effective integration of sustainability into the Design and Construction process of golf developments.

The document is intended for use by a number of groups including the golf industry professionals and developers to inform a generally understood baseline but also by governments and permitting authorities to support policy making and raise awareness.

![Figure 2. Relationship between the activity and the appropriate voluntary standard](image)
Auditing & Certification

Auditing is an information gathering process that is integral to participation in a certification system. Auditing evaluates how well something meets a voluntary standard and how well it delivered outcomes through the certification process.

Certification is achieved by demonstrating independently verified practical outcomes against a voluntary standard.

This document and the sustainable Golf guidance, mentoring and certification should be viewed as individual parts. A golf development that chooses to use the voluntary standard has 4 scenarios it could adopt. The schematic below illustrates those 4 scenarios, the items a proposed golf development would use and the types of resultant claims it could make:

**Document Structure**

This document covers the stages of a golf development from preparation to completion. It also covers the range of sustainability issues relevant to the golf development process under the headings - Nature, Resources and Community.

There are three core components for each criterion:

- **Sustainability Objective** sets out the individual issues to be addressed and targeted;
- **Detailed Performance Requirement** represents the action that should be undertaken and frames the outcome aiming to be achieved;
- **The Supporting Document** suggested to prove that a criterion has been met.

As an international voluntary standard, these generic criteria are as specific as they can be - setting out a framework to guide individual projects and the development process.
“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

Criteria Introduction

The criteria are written in three stages similar to the common stages of a golf development. The first is the Preparation Stage; the second is Design Stage and the third is the Construction Stage. In each stage the three sustainability themes of Nature, Resources and Community are covered.

Each of these three themes has a number of criteria, these criteria are categorized as **baseline**, **improvement** and **aspirational**.

The level of consideration for any building elements on a proposed development is limited to the external skin of the core golf buildings outwards into the landscape and their placement within the landscape. No criteria relates to the internal fixtures, fittings and finishes of any buildings.

Each individual criterion has a code attached to it for ease of reference. Figure 4 explains the form of the nomenclature. In Figure 4 the code refers to the first criterion in the Design stage of the process under the Nature theme. The letter ‘B’ means it is considered a **baseline** criterion.

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1. For ease of referencing the three categories are colour coded blue - baseline; green - improvement; red - aspirational.
## Preparation Stage

### Introduction

Possibly the most important decision for any potential golf development is site selection. A site that suits the proposed type of development is immediately well on the way to being more sustainable. A site that is selected for location or availability rather than suitability for golf will have a far harder job. Site selection drives almost all of the following criteria. It is valuable to have a fundamental review of the site suitability before starting the design work so that the developer understands the implications the choice of land will have. This fundamental review must consider the local planning context, land use and any development plans consulted on and set by the local authorities.

### Example

**Brief:** 18 hole course capable of hosting regionally significant tournament and attracting golf tourists.

**Client:** Hotel Chain with a strong corporate and social responsibility policy.

**Site A** - a sandy rolling land with plentiful supplies of ground water that can be used for irrigation. The land-form is an excellent match and the golf layout requires almost no earth movement and much of the natural habitat can be retained and the golf worked in around it. The existing natural vegetation means that almost no new planting is required.

**Site B** - a flat site on fine-textured slow-draining soils and is largely wooded. Extensive clearance is needed and most of the site has to be reshaped to create interest. A new drainage system needs to be installed across the whole site because of the soils and the extent of the earth movement. The requirements of the client that the course be playable in all weathers means that the heavy soils need to be covered with 300mm of sand, amounting to 180,000 cubic meters of sand being imported.

These are two extremes, but it is clear that with careful planning Site A really could meet the voluntary standard quite easily. On the other hand, Site B will find this very difficult. There will likely be cases even on Site B where individual criteria can be handled sympathetically, but the potential overall losses through inappropriate site selection need to be carefully considered.

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Sustainability Objective</th>
<th>Detailed Performance Requirement</th>
<th>Supporting Document</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1B</td>
<td>Appropriate site selection</td>
<td>Ensure all efforts are made to; minimise development of prime agricultural land; protect land supporting local livelihoods; protect floodplain capacity and conserve threatened and / or endangered habitat and species.</td>
<td>Site selection statement</td>
</tr>
<tr>
<td>P2B</td>
<td>Establish legal context</td>
<td>Demonstrate that alternative sites have been considered and that Free and Prior and Informed Consent (FPIC) or equivalent has been agreed. Ensure clarity around land ownership, transport access and legal permits.</td>
<td>Site selection statement Land agreements</td>
</tr>
<tr>
<td>P3B</td>
<td>Economic due diligence</td>
<td>Ensure an economic feasibility study has been carried out to determine the economic sustainability of the project.</td>
<td>Feasibility study</td>
</tr>
<tr>
<td>P4B</td>
<td>Promote development team leadership</td>
<td>Ensure that development team is committed to sustainable development, aware of its role and have expertise to deliver. Prefer nomination of a ‘Sustainability Leader’ on the project team.</td>
<td>Sustainability vision statement</td>
</tr>
<tr>
<td>P5I</td>
<td>Economic, Environmental and Social due diligence</td>
<td>Ensure in the feasibility study that all material issues have been considered and addressed in the environmental and social contexts.</td>
<td>Feasibility study</td>
</tr>
<tr>
<td>Criterion</td>
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</tr>
<tr>
<td>DN1B</td>
<td>Develop clear understanding of species, habitats, hydrology and geomorphology</td>
<td>Thoroughly study ecology, hydrology, designations and geomorphology of the site. Any invasive species to be identified and managed appropriately.</td>
<td>Completed baseline surveys.</td>
</tr>
<tr>
<td>DN2B</td>
<td>Ensure golf course and landscape design typology is clearly compatible with site and surroundings</td>
<td>Avoid predetermined artificial or enforced design styles.</td>
<td>Golf course design statement.</td>
</tr>
<tr>
<td>DN3B</td>
<td>Protect the most valuable landscape and ecological features</td>
<td>Avoid ecological hot spots and sensitive landscape zones. Retain valuable and/or protected existing trees and habitat.</td>
<td>Landscape plan, Routing plan, Baseline ecology surveys.</td>
</tr>
<tr>
<td>DN4B</td>
<td>Use native or locally important species in landscaping designs, and drought-tolerant varieties if applicable</td>
<td>Landscape planting to maximize native or locally important species (exception for some sites where aesthetic or cultural heritage issues are relevant or for garden areas).</td>
<td>Landscape plan, Golf course design statement.</td>
</tr>
<tr>
<td>DN5B</td>
<td>Ensure that any topographic changes protect and enhance landscape character</td>
<td>Ensure no degradation to existing landscape character.</td>
<td>Grading Plan.</td>
</tr>
<tr>
<td>DN6B</td>
<td>Consider whether open water is appropriate for the site</td>
<td>Clear justification for any open water in desert / arid locations.</td>
<td>Water resource statement.</td>
</tr>
<tr>
<td>DN7B</td>
<td>Minimize pollution from maintenance facility</td>
<td>Maintenance facility design to integrate best practice pollution control measures.</td>
<td>Building design statement.</td>
</tr>
<tr>
<td>DN8I</td>
<td>Plan an ecologically-rich landscape</td>
<td>Maximize integration of native habitats and ecology in the design.</td>
<td>Routing plan, Landscape plan.</td>
</tr>
<tr>
<td>DN9I</td>
<td>Maximize habitat patch sizes and connectivity</td>
<td>Internal habitat patches to be large enough for key species. Seek to link internal patches maximising habitat size and create connections to the wider landscape habitats.</td>
<td>Landscape plan.</td>
</tr>
</tbody>
</table>

3 National or Regional advice should be sought for the appropriate course of action to handle invasive species.
4 See Supporting Document section for details of specific survey requirements.
5 The design and impact of associated infrastructure such as roads are not subject to this criteria.
6 A landscape with healthy interacting living organisms existing in plentiful qualities.
7 Endemic species are considered to be classed as native in this context.
<table>
<thead>
<tr>
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</table>
| DN10I    | Adopt a ‘natural systems’ approach to water management considering water quality and habitat creation | Utilize natural soakaways, attenuation areas, swales and turfgrass bio-filters. Incorporate vegetative buffer zones into design. Allow seasonal flooding where possible. Demonstrate that water table control does not adversely impact surrounding habitats. | Landscape plan  
Golf course design statement  
Drainage plan |
| DN11I    | Naturalize any water features as far as possible | Create diverse, living lakes and wetlands suitable to site that maximise ecological value as far as practicable. | Landscape plan  
Golf course design statement |
| DN12I    | Minimize the extent of intensively managed grass areas | The minimum area of the site within the development boundary to become intensively managed grass. | Grasing plan |
| DN13I    | Consider the visual impact of buildings | Avoid prominent or highly exposed positions and skylines. | Building design statement |
| DN14I    | Maximize permeable surfaces | The maximum area of car parks, paths and other hard surfaces to be made of permeable materials. | Landscape plan |
| DN15A    | Minimise the visual intrusion of bunkers, tee and green complexes on visually sensitive sites | No significant adverse impacts on visual amenity of key receptor or viewpoints. Justify overall sand area and sand colour. | Golf course design statement |
| DN16A    | Increase ecological interest of the external skin of the buildings | Utilize green roofs, green walls, insect housing etc... | Building design statement |
| DN17A    | Minimise the visual impact of signage and furniture | Use of local materials and positioned to integrate with the surrounds. | Landscape plan |
| DN18A    | Use permeable surfaces | Car parks, paths and other hard surfaces to be made of permeable materials. | Landscape plan |

8 Where circumstances dictate that the inclusion of these water management measures will have a detrimental affect on other connected items such as historic landscape setting, downstream watershed management, increased soil damage etc then the inclusion of such measures may not be warranted.

9 When the naturalization of water bodies will have a detrimental affect on other connected items such as historic landscape setting, downstream watershed management, increased soil damage etc then the inclusion of such measures may not be warranted.
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>DR1B</td>
<td>Ensure responsible use of site and surrounding water resources, including watershed.</td>
<td>Undertake and analyze baseline surveys to ensure informed water resource decisions and implement recommendations.</td>
<td>Baseline hydrology survey</td>
</tr>
<tr>
<td>DR2B</td>
<td>Seek opportunities to minimize energy use in design</td>
<td>Design to minimize energy use and demonstrate how this is achieved.</td>
<td>Sustainable energy statement</td>
</tr>
<tr>
<td>DR3B</td>
<td>Minimize impact on key hydrological and flood zones on site if applicable</td>
<td>Avoid these areas for built development and net positive fill.</td>
<td>Grading plan Baseline hydrology survey</td>
</tr>
<tr>
<td>DR4B</td>
<td>Minimize volume of earthwork</td>
<td>Design a course which does not require excessive earthworks in order to minimize fuel use during construction.</td>
<td>Grading plan</td>
</tr>
<tr>
<td>DR5B</td>
<td>Maximize irrigation water efficiency</td>
<td>Irrigation system to deliver water most efficiently to smallest possible area. Restrict irrigation only to genuine priority areas with flexibility in the system to control application areas. Identify ways golf course irrigation water can come from recycled or 'off grid' sources.</td>
<td>Irrigation design Water resource statement</td>
</tr>
<tr>
<td>DR6B</td>
<td>Use local materials</td>
<td>Minimize the average total distance construction materials will travel. Give preference to on-site or locally sourced materials where feasible.</td>
<td>Materials specification</td>
</tr>
<tr>
<td>DR7I</td>
<td>Select best-adapted turf species and cultivars for the local environmental conditions and to minimize resource requirements</td>
<td>Maximum stress, disease, temperature and drought resistant species to be selected where possible. Select grass species with moderate maintenance requirements such as verti-cutting, top dressing rates etc... Consider the final quality of the playing surface in the decision making process.</td>
<td>Agronomic statement</td>
</tr>
<tr>
<td>DR8I</td>
<td>Optimize location of buildings to benefit from natural heating, cooling and lighting</td>
<td>Analyze the location and aspect of clubhouse and maintenance building.</td>
<td>Building design statement</td>
</tr>
</tbody>
</table>

10. The quality and potential impact of using recycled water on the local environment must be assessed before using recycled water sources as irrigation water source.
<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| DR9I      | Reduce fuel use in maintenance | Consider ease of maintenance access in design to avoid excessive fuel use. | Landscape plan  
Grading plan |
| DR10I     | Manage precipitation on site\textsuperscript{11} | Define the amount of precipitation to be retained on site. This amount shall be optimized to benefit the entire watershed. | Water resource statement |
| DR11I     | Maximize the energy efficiency of drainage design | Justify the use of piped drains in light of criterion DN10I. | Water resource statement |
| DR12I     | Maximize the energy efficiency of irrigation system | Design irrigation system to maximize benefits of topography, soil type & climatic conditions. Design irrigation system to optimize use of pipe and wire. | Irrigation design |
| DR13I     | Use recycled materials and materials with recycled content | Maximize the integration of recycled material into the supply chain. Where available maximize use of certified products and materials equal to ISEAL Alliance standards. | Materials specification |
| DR14A     | Consider development as ‘net zero energy’ | Assess the potential of on-site or local renewables. Assess the feasibility of exporting on-site generated energy back to the national grid. | Sustainable energy statement |
| DR15A     | Minimize fuel use in buggies | Design a golf course that can be walked where climate and terrain permit. Use electric or hybrid powered buggies if they are required. | Routing plan  
Materials specification |
| DR16A     | Integrate re-use and re-cycling of water around clubhouse and other buildings | Utilize harvested rainwater for garden irrigation and cart/machinery wash down\textsuperscript{12}. | Water resource statement |

\textsuperscript{11} Ensure a full understanding of the watershed and consider any potential detrimental affects on other connected items such as downstream watershed management, increased soil damage etc.

\textsuperscript{12} The use of harvested rainwater must be in accordance with relevant legislation.
<table>
<thead>
<tr>
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<th>Supporting Document</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC1B</td>
<td>Define supply chain of products, and materials</td>
<td>Identify key opportunities and challenges in materials supply and demonstrate how they can be resolved.</td>
<td>Materials specification</td>
</tr>
<tr>
<td>DC2B</td>
<td>Undertake local consultation</td>
<td>Consult with local community and advertise to raise local awareness. Encourage input by meetings/open day, in writing, by phone or via email.</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>DC3B</td>
<td>Protect cultural heritage</td>
<td>Design to protect and/or incorporate features of historical and cultural significance if any.</td>
<td>Archaeological survey and statement</td>
</tr>
<tr>
<td>DC4B</td>
<td>Ensure principles of ‘Access for All’ are implemented</td>
<td>Pro-actively consider all requirements for accessible buildings to meet the access needs of disabled people.</td>
<td>Building design statement</td>
</tr>
<tr>
<td>DC5I</td>
<td>Undertake local engagement</td>
<td>Engage with, listen and respond to local opinion. Encourage input by meetings/open day, in writing, by phone or via email and give transparent feedback on how this has been addressed.</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>DC6I</td>
<td>Promote ethically and environmentally led procurement</td>
<td>Define policy for procurement of products and services. Suppliers and contractors to conform with Ethical Trading Initiative’s base code or equivalent.</td>
<td>Procurement policy</td>
</tr>
<tr>
<td>DC7I</td>
<td>Incorporate public access where appropriate</td>
<td>Maintain an appropriate type of community access to all or part of the property, or mitigate any detrimental affects to the existing situation.</td>
<td>Landscape plan</td>
</tr>
<tr>
<td>DC8I</td>
<td>Justify transport impact</td>
<td>Minimise the demands placed on the community’s transportation network by development both in construction and in future. Promote future multi-modal transport methods.</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>Criterion</td>
<td>Sustainability Objective</td>
<td>Detailed Performance Requirement</td>
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</tr>
<tr>
<td>DC9A</td>
<td>Promote community integration and awareness</td>
<td>Establish ways in which the development can contribute to local community such as promoting publicly accessible outdoor facilities on-site or an events programme that will help to raise awareness of sustainability, such as local ecology, cultural heritage, renewable energy etc.</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>DC10A</td>
<td>Incorporate educational values</td>
<td>Design in educational opportunities - such as placements; open days (i.e. pre and post construction); on site classroom facilities etc...</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>DC11A</td>
<td>Promote and improve health and wellbeing of community</td>
<td>Incorporate opportunity for non-golf related health and wellbeing activities appropriate and proportional to site conditions, project scope and and location.</td>
<td>Landscape plan</td>
</tr>
</tbody>
</table>
## Construction Stage

![Image of nature, resources, and community]

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Sustainability Objective</th>
<th>Detailed Performance Requirement</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CN1B</td>
<td>Ensure sensitive site clearance and protective measures are implemented</td>
<td>Plan to work outwards from centerline incorporate ‘found’ features where possible. Make allowance in the contract for the appropriate site protection measures to be installed.</td>
<td>Site clearance plan Site protection plan</td>
</tr>
<tr>
<td>CN2B</td>
<td>Avoid impacts on biodiversity</td>
<td>Phase construction works to minimize risk of disturbance to environmentally significant wildlife species, consideration to be given to key times of the year such as nesting times.</td>
<td>Construction programme</td>
</tr>
<tr>
<td>CN3B</td>
<td>Plan sensitive haul routes</td>
<td>No areas of high ecological value to be disturbed for site routes.</td>
<td>Baseline ecology survey</td>
</tr>
<tr>
<td>CN4B</td>
<td>Robust and secure site storage with critical pollution prevention measures</td>
<td>Fuels, oils, and chemicals stores to be on impervious bases within a containment or embankment to control spillage extent and incorporate water recycling/disposal systems. Maintain all equipment and monitor for leaks. When possible these storage areas are away from water courses.</td>
<td>Pollution control statement</td>
</tr>
<tr>
<td>CN5B</td>
<td>Minimize hazardous substances</td>
<td>Understand and comply with local and national legislation and with demonstrable voluntary measures brought onto site relating to chemical application. Minimize amount of selective herbicide to be used for vegetation clearance.</td>
<td>Pollution control statement Ecology survey Staff briefing statement Site clearance plan</td>
</tr>
<tr>
<td>CN6B</td>
<td>Protect high value landscape, ecological and cultural features</td>
<td>Set cordon of ‘no impact zones’ to protect areas of high ecological or cultural value both surveyed and found in construction. No damage to be caused to these areas as a result of construction works. Ensure no net loss of individual nationally and regionally protected species of flora and fauna.</td>
<td>Baseline ecology survey Archaeological survey Staff briefing statement Site protection plan Monitoring statement</td>
</tr>
</tbody>
</table>

13 See Supporting Document Section for detail of indicators that can demonstrate voluntary measures have been brought in.
<table>
<thead>
<tr>
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<th>Sustainability Objective</th>
<th>Detailed Performance Requirement</th>
<th>Supporting Document</th>
</tr>
</thead>
</table>
| CN7B      | Protect existing water bodies and groundwater | Appropriate water body protection to be in place including consideration for groundwater aquifers. Minimize sediment and chemical runoff from construction work. | Erosion control plan  
Staff briefing statement |
| CN8B      | Reduce soil erosion | Use erosion control fences, temporary ditches, sediments traps, phasing of works and other measures. | Erosion control plan |
| CN9B      | Responsible use of pesticides & fertilizer | Monitoring and promoting sensitive application of pesticides, fertilizers and other chemicals throughout construction and into grow-in stage. | Staff briefing statement  
Monitoring statement |
| CN10B     | Minimize impact of chemical spillages | All chemical spillages to be cleared immediately. | Pollution control statement  
Staff briefing statement |
| CN11I     | Raise awareness of any sensitive habitats and species | Ensure all site staff are aware of any sensitive habitats and/or species that have been surveyed and mapped. | Staff briefing statement |
| CN12I     | Plan efficient haul routes | Use future permanent roadways where feasible as site routes. | Construction compound plan |
| CN13I     | Minimize topsoil damage | Only move topsoil when conditions are suitable. Use plant machinery expressly designed for the purpose. Minimize periods of topsoil storage, and stockpile in accordance with best practice guidelines. | Soil resource statement |
| CN14I     | Minimize soil loss through erosion loss or damage | Minimize time bare soil is exposed. No unnecessary damage to integrity of native subsoil. No cultivation operations to be carried out in very dry/windy conditions without mitigation measures in place. | Soil resource statement  
Erosion control plan |
| CN15I     | Minimize damage by pesticides & fertilizer | Strict application of buffer zones and no spray/treatment areas around watercourses, wetlands, reed-beds, ditches, marshy grasslands etc.. | Pollution control statement |

If areas of acid sulphate soils were discovered during the Geomorphological Survey stage then the appropriate course of action needs to be taken if these areas were disturbed during construction. Seek local or regional agency advice.
## Construction Stage

### Nature Resources Community

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>CN16I</td>
<td>Reinstate damaged areas of the site</td>
<td>Areas disturbed(^{14}) in construction to be reinstated, restored and where possible ecologically enhanced post completion.</td>
<td>Statement of intent</td>
</tr>
<tr>
<td>CN17A</td>
<td>No use of hazardous substances in out of play and areas of high ecological value</td>
<td>Mechanical methods to be utilized to remove weed species in the out of play areas and within areas of high ecological value.</td>
<td>Staff briefing statement</td>
</tr>
<tr>
<td>CN18A</td>
<td>Reduce impact of ground works on adjacent roads</td>
<td>Prior to the commencement of work, suitable measures are to be implemented to ensure that sediment and other materials are not tracked onto a public road by vehicles leaving the site.</td>
<td>Pollution control statement</td>
</tr>
<tr>
<td>CN19A</td>
<td>Managed risk of wildfire</td>
<td>Consider management of fuel on-site and consult local authority for regional practices on vegetated areas.</td>
<td>Statement of intent</td>
</tr>
<tr>
<td>CN20A</td>
<td>Reduce noise levels to minimum</td>
<td>Carefully plan construction compounds to be away from neighboring property and areas of high ecological value. Use machinery with high noise operating levels responsibly when within 50m of any neighboring property.</td>
<td>Pollution control statement Baseline ecology survey</td>
</tr>
<tr>
<td>CN21A</td>
<td>Reduce dust / smoke emissions to a minimum</td>
<td>Minimal on-site burning. Screen areas or use non-potable water bowser to minimise dust. Plan and manage the timing of earthworks to reduce dust.</td>
<td>Pollution control statement</td>
</tr>
</tbody>
</table>

\(^{14}\) If areas of acid sulphate soils were discovered during the Geomorphological Survey stage then the appropriate course of action needs to be taken if these areas were disturbed during construction. Seek local or regional agency advice.
## Construction Stage

### Nature Resources Community

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Sustainability Objective</th>
<th>Detailed Performance Requirement</th>
<th>Supporting Document</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR1B</td>
<td>Minimize fuel consumption</td>
<td>Minimize trip numbers; ensure efficient delivery planning; reduce unnecessary grading and landscape changes.</td>
<td>Construction programme Logistics statement</td>
</tr>
<tr>
<td>CR2B</td>
<td>Reduce waste</td>
<td>Sort construction waste streams on site for safe and appropriate disposal or recycling.</td>
<td>Waste management Plan</td>
</tr>
<tr>
<td>CR3B</td>
<td>Use low sulphur diesel oil</td>
<td>All diesel vehicles and equipment engines to use low sulphur diesel.</td>
<td>Plant and equipment schedule</td>
</tr>
<tr>
<td>CR4I</td>
<td>Efficient waste management</td>
<td>Reuse or Recycle as many non-hazardous materials from the site as possible such as vegetation, rocks, soils[^15] oil, antifreeze, batteries and other chemicals used in the construction process to reduce disposal in landfills or incinerators.</td>
<td>Waste management plan</td>
</tr>
<tr>
<td>CR5I</td>
<td>Minimise resources used in plant production and supply</td>
<td>Consider establishment of an on-site plant, turf and seed nursery.</td>
<td>Statement of Intent</td>
</tr>
<tr>
<td>CR6I</td>
<td>Ensure diligent water monitoring</td>
<td>Monitor the quality and quantity of water courses and ground water.</td>
<td>Monitoring statement</td>
</tr>
<tr>
<td>CR7I</td>
<td>Avoid to use of peat</td>
<td>Identify and implement all available alternatives to use of peat</td>
<td>Soil resource statement</td>
</tr>
<tr>
<td>CR8A</td>
<td>Explore transportation alternatives</td>
<td>When possible use low carbon haulage method such as rail, boat/barge. Give preference to electric or hybrid maintenance vehicles.</td>
<td>Logistics statement Plant and equipment schedule</td>
</tr>
<tr>
<td>CR9A</td>
<td>Use on site plant production and supply</td>
<td>Establish an on-site plant, turf and seed nursery.</td>
<td>Statement of Intent</td>
</tr>
<tr>
<td>CR10A</td>
<td>Reduce fuel used for on site machinery and generators</td>
<td>Maximise the percentage of machinery, generators or site traffic that run on renewable fuel or responsibly sourced biodiesel where available.</td>
<td>Plant and equipment schedule</td>
</tr>
</tbody>
</table>

[^15]: Any soils identified as acid sulphate soils are not to be reused.
## Construction Stage

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Sustainability Objective</th>
<th>Detailed Performance Requirement</th>
<th>Supporting Document</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC1B</td>
<td>Promote sensitive traffic management</td>
<td>Create logistics statement to minimize impacts on local people. Minimize Heavy Goods Vehicles (HGV) that come and go to site per week. Set time limits on HGV deliveries (i.e. not before 8am and after 6pm).</td>
<td>Logistics statement</td>
</tr>
<tr>
<td>CC2B</td>
<td>Provide good staff working conditions</td>
<td>Availability of clean, hygienic on site shelter(s) and provision of adequate sanitation and water.</td>
<td>Construction compound plan</td>
</tr>
<tr>
<td>CC3I</td>
<td>Promote community open day(s)</td>
<td>Plan day(s) of site open access to an invited list i.e. pre and post construction.</td>
<td>Community engagement statement</td>
</tr>
<tr>
<td>CC4I</td>
<td>Provide opportunity and training for local workers</td>
<td>Maximise the percentage of site staff and subcontractors that are part of the local communities. Provide proactive training for local workforce.</td>
<td>Employee schedule Staff briefing statement</td>
</tr>
<tr>
<td>CC5A</td>
<td>Raise environmental awareness around the site</td>
<td>Provide environmental awareness for people such as site interpretation panels; notice board covering key environmental, cultural and community topics; leaflets; educated staff members.</td>
<td>Community engagement statement</td>
</tr>
</tbody>
</table>
Supporting Document Introduction

Whether a project wants to be certified or not, if a project wants to make claims about its sustainability credentials then it will need to have compiled supporting documentation. That project will need to be prepared if requested to share that information. This section is intended as a guide for project teams to understand what kind of information the supporting documentation contains.

This list is by no means comprehensive or binding, but is intended to act as a guide to the kind of supporting documents expected in meeting the voluntary sustainability standard.

This list places supporting documents under generic document titles for organizational purposes only. It is accepted that not all golf developments can or will produce all the supporting documents listed and widely understood that this information can equally be demonstrated through alternative methods.

This list is true at the time of writing but will be subject to ongoing review and amendment as new industry voluntary standards, technologies and methodologies emerge.

The relevant criteria that each item relates to is noted alongside each document title. Figure 5 below explains the listing components.

<table>
<thead>
<tr>
<th>Document Title</th>
<th>Relevant Criteria</th>
<th>Baseline includes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grading Plan</td>
<td>DN7I</td>
<td>Areas in cut and fill</td>
</tr>
</tbody>
</table>

This is a generic title, local naming convention supersedes this title to avoid confusion and superfluous work.

This code refers to the codes listed in the earlier tables. It links the document to the relevant criteria.

This lists out the information anticipated to be contained within the survey, statement, schedule or drawing.

Figure 5. Listing Explained
STATEMENTS

Must Submit:
Document Title: Site selection statement
Relevant Criteria: P1B, P2B
Baseline includes:
Justification for chosen site - considering agricultural land status, floodplain capacity and protected or threatened habitat and species
Explanation of the alternatives considered and why they were not chosen

Document Title: Land agreements
Relevant Criteria: P2B
Baseline includes:
Clarity around any Free and Prior and Informed Consent (FPIC) or equivalent agreements
Clarity around land ownership, transport access and any legal permits or equivalent

Document Title: Feasibility study
Relevant Criteria: P3B
Baseline includes:
Justification for the site selection supported by market research for the locality and region
Sustainable business case

Document Title: Sustainability vision statement
Relevant Criteria: P4B
Baseline includes:
Outlining project team’s management structure
Project’s sustainability vision
Individuals’ expertise and their assigned roles and responsibilities

Document Title: Feasibility study
Relevant Criteria: P5I
Improvement includes:
Preliminary findings for supply chain challenges
Local environmental and social issues to be addressed
SURVEYS

Document Title: **Hydrology survey & Statement**
Relevant Criteria: DN1B, DR1B, DR3B
Baseline includes:
- Site mapping of drainage channels and existing watercourses
- Available mapping\(^6\) of watersheds and hydrological zones
- Available mapping of groundwater aquifers
- Available flood risk assessment
- Water quality sampling

Document Title: **Ecology survey & Statement**
Relevant Criteria: DN1B, DN3B
Baseline includes:
- Site mapping of habitats, trees and hedgerows and location of protected or vulnerable species
- Available classification of existing vegetation types, areas of high ecological value
- Available river corridor and habitat survey and assessment (if applicable)
- Invasive plant surveys and responsible management recommendations (if applicable)
- Available protected plant and animal species survey and any national action plans referenced

Document Title: **Archaeological survey & Statement**
Relevant Criteria: DN1B, DC3B
Baseline includes:
- Assessment of likelihood of archaeological interest
- Available information on past human cultures
- Mitigation measures if there is a likelihood of archaeological interest on site
- Responsible management recommendations of any archaeological interest

Document Title: **Geomorphological survey & Statement**
Relevant Criteria: DN1B
Baseline includes:
- Area characteristics, geomorphological features and sites for collection of data
- Available mapping or listing of soil types and locations
- Available mapping of any Acid Sulphate Soils and methods for its management
- Available data for river or wetland sediments to identify erosion or pollution risk

Document Title: **Contaminated land survey & Statement**
Relevant Criteria: DN1B
Baseline includes:
- Assessment of likelihood of contaminated land
- Categorization of contaminants and mapping of affected areas

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\(^6\) Available mapping refers to publicly available mapping typical from local or national authorities
STATEMENTS

Document Title: **Golf course design statement**
Relevant Criteria: DN2B, DN4B, DN10I, DN11I, DN15A
Baseline includes:
Design approach including proposed course typology and context
Planting strategy including proposed and existing plant species
Improvement includes:
Overall approach to water management and design
Statement on water feature(s) or wetland area(s) character, including indicative detail of construction technique
Aspirational includes:
Assessment of impact the course design has on key receptors

Document Title: **Sustainable energy statement**
Relevant Criteria: DR2B, DR14A
Baseline includes:
Overall efforts to reduce energy in the design
Aspirational includes:
Exploration of potential on-site or locally sourced renewable sources
Assessment of potential to export energy back to national grid

Document Title: **Community engagement statement**
Relevant Criteria: DC2B, DC5I, DC8I, DC9A, DC10A
Baseline includes:
List of community stakeholders and interested parties with methods of gaining their input
Aspirational includes:
Method for contributing to local community such as promoting an inclusive ethos, raising awareness of sustainability achievements and local ecology
Open day(s) to promote public education of proposals and on-site classroom day(s)
Assessment of development’s impact on local transport network with mitigation measures
Multi-modal transport options considered

Document Title: **Agronomic statement**
Relevant Criteria: DR7I
Improvement includes:
Assessment of local environmental conditions i.e. soil, climate etc.
Recommendation of appropriate species mix of grassed areas
Aspirational includes:
Assessment of recommended species mix against stress, disease, temperature, drought tolerance, playing quality and maintenance requirements.

Document Title: **Water resource statement**
Relevant Criteria: DN6B, DR5B, DR10I, DR11I, DR16A
Baseline includes:
Justification for any open water in desert / arid locations
Improvement includes:
Water source for irrigation and any opportunities to diversify
Proposed amount of water to be discharged from site with justification
Aspirational includes:
Opportunities for re-use and recycling of water for buildings and surrounds

---

17. Into the public mains drainage system.
18. The use of harvested rainwater must be in accordance with relevant legislation
**Document Title:** Procurement policy or Purchasing policy  
**Relevant Criteria:** DC6I  
**Improvement includes:**  
Policy for procurement of products and services  
Procedures to assess suppliers and contractors for compliance with ETI base codes or equivalent  
**Suggested content:**  
- Commitment to FSC or equivalent sourcing of timber;  
- Commitment to minimizing waste;  
- Seek the use of recycled materials;  
- Source legal and ethical services and materials;  
- A project banned list of materials;  
- Prioritize local suppliers and workforce where practicable

**Document Title:** Building design statement  
**Relevant Criteria:** DN7B, DN13I, DN16A, DR8I, DC4B  
**Baseline includes:**  
Design of maintenance wash down areas including pollution control measures  
Confirmation all buildings and accessible approaches meet the needs of disabled people  
**Improvement includes:**  
Reasons for building(s) location with respect to natural lighting, heating and cooling benefits  
Reason(s) for the chosen location of the building(s) including consideration of key receptors  
**Aspirational includes:**  
Design of any ecological improvement(s) to external skin of the building
**DRAWINGS**

**Document Title:** Routing plan  
**Relevant Criteria:** DN3B, DN8I, DR15A  
**Baseline includes:**  
Ecological hotspots, sensitive landscape zones, existing trees and habitats  
**Improvement includes:**  
Areas set aside for habitats outside of play areas  
**Aspirational includes:**  
Circulation path layout with clear indication of tee, green locations and general land relief

**Document Title:** Grading plan  
**Relevant Criteria:** DN5B, DR3B, DR4B, DR9I  
**Baseline includes:**  
Existing and proposed contours at 500mm or 2ft intervals  
Areas in cut and fill  
Volumes being cut and filled and the net result of works  
**Improvement includes:**  
Detail(s) of green complexes

**Document Title:** Drainage plan  
**Relevant Criteria:** DN10I  
**Improvement includes:**  
Areas of water attenuation, soakaways or flood controls  
Layout of water connections both below and above ground include typical details of pipes, connectors, swales, gullies, access chambers etc...  
Location of water inlets and outfalls and connections to any public main drains or waterways

**Document Title:** Irrigation design  
**Relevant Criteria:** DR5B, DR12I  
**Baseline includes:**  
Materials such as valves, taps, sensors, heads, pumps that are specified  
Any irrigation controls zones and management equipment  
Map the areas of any automated irrigation  
Water source location and quality  
**Improvement includes:**  
Explore using gravity fed systems and justify chosen solution for the site

**Document Title:** Landscape plan  
**Relevant Criteria:** DN3B, DN4B, DN8I, DN9I, DN10I, DN11I, DN14I, DN17A, DN18A, DR9I, DC7I, DC11A  
**Baseline includes:**  
Any ecological hot spots or sensitive landscape zones  
Habitat areas retained  
Areas for planting both proposed and existing  
List of Latin names of plant species in key/legend that are both proposed and existing  
**Improvement includes:**  
Habitat typologies and layouts both proposed and retained  
Any water filtration vegetation or buffer zones and proposed plant list  
Any water features or wetland areas and their character  
Paths, car park and location of built elements  
Wider public access network  
**Aspirational includes:**  
List of hard landscape materials and elements (signage, furniture)  
Areas of permeable paving  
Any other recreation areas
Design Stage

Document Title: **Grassing plan**
Relevant Criteria: **DN12I**
Improvement includes:
- Areas of intensively managed grass
- Areas and species mix of grassed areas
- Areas to be seeded and/or turfed

**SCHEDULES**

Document Title: **Materials specifications**
Relevant Criteria: **DR6B, DR13I, DR15A, DC1B**
Baseline includes:
- List external materials proposed to include supplier and origin
- List key opportunities and challenges of sourcing materials - demonstrate how any challenges were addressed

Improvement includes:
- List external materials proposed to include recycled content and any certification mark

Aspirational includes:
- List of golf buggies specification proposed (if applicable)
SURVEYS

Document Title: Ecology survey & Statement
Relevant Criteria: CN3B, CN5B, CN6B, CN20A
Baseline includes:
Site mapping of habitats, trees and hedgerows and location of protected or vulnerable species
Available classification of existing vegetation types, areas of high ecological value
Available river corridor and habitat survey and assessment (if applicable)
Invasive plant surveys and responsible management recommendations (if applicable)
Available protected plant and animal species survey and any national action plans referenced

Document Title: Archaeological survey & Statement
Relevant Criteria: CN6B
Baseline includes:
Assessment of likelihood of archaeological interest
Available information on past human cultures
Mitigation measures if there is a likelihood of archaeological interest on site
Responsible management recommendations of any archaeological interest
STATEMENTS

Document Title: **Construction programme**  
Relevant Criteria: CN2B, CR1B  
Phasing of the construction works  
Consideration for important ecological activities on site such as nesting seasons  
Phasing of works across site  

Document Title: **Logistics statement**  
Relevant Criteria: CR1B, CR8A, CC1B  
Baseline includes:  
Efficient planning of haulage trips and maximised load fill of trucks  
Timings and anticipated frequency of site deliveries  
The number of haulage trips involved in the construction  
Aspirational includes:  
Haulage methods for imported materials  

Document Title: **Pollution control statement**  
Relevant Criteria: CN4B, CN5B, CN10B, CN15I, CN18A, CN20A, CN21A  
Baseline includes:  
Design and locations of fuel, oil and chemical storage areas  
Design of wash down areas, disposal systems  
Procedures for machinery wash down and routine maintenance  
Confirmation of compliance with national legislation with regard to hazardous material  
Statement or list of voluntary measures in place such as:  
- Storage and access protocol for chemicals, fuel and plant  
- Demonstrate awareness of fertility levels required for the site’s soil  
- Demonstrate credible recommendations for the soil fertility treatment  
- Details of efforts made to reuse organic matter generated on site such as leaf litter  
- Demonstrate awareness of the hazardous nature of any chemicals being used  
Operator guidance on herbicide applications for vegetation clearance  
Procedures for clearing spillages  
Improvement includes:  
Operator guidance on no-spray zones particularly around watercourses, wetlands, reed-beds, ditches and marshy grassland  
Aspirational includes:  
Procedures for vehicles entering and leaving construction site and wash down facilities  
Procedures for minimizing or mitigating incidents during construction relating to air quality, noise and vibrations  
Conditions suitable for earthworks and mitigation measures for dust control  

Document Title: **Staff briefing statement**  
Relevant Criteria: CN5B, CN6B, CN7B, CN9B, CN10B, CN11I, CN17A, CC4I  
Baseline includes:  
Instructions for herbicide application and methods for vegetation clearance in out-of-play areas and areas of high ecological value  
Instructions regarding ‘no impact zones’ in respect of high ecological value areas, retained trees and wildlife corridors  
Instructions regarding silt and chemical run off risks in areas close to water bodies  
Promotion of the sensitive application methods for any pesticides, fertilizers and other chemicals  
Procedures for dealing with chemical spillages  
Improvement includes:  
Instructions to all site staff, visitors and sub contractors drawing attention to sensitive habitats and/or species on site or in the local area  
Instructions regarding no spray/treatment areas in respect of watercourses  
Training procedures focused on skill development for locally sourced staff  
Aspirational includes:  
Method statement on weed removal in out-of-play areas and high ecological value areas
Construction Stage

Document Title: **Community engagement statement**
Relevant Criteria: CC3I, CC5A
Baseline includes:
Open day(s) promoting public education and opportunities to explore topics such as habitat and water systems
Aspirational includes:
Awareness raising techniques

Document Title: **Monitoring statement**
Relevant Criteria: CN6B, CN9B, CR6I
Baseline includes:
Monitoring of any nationally or regionally protected species of flora and fauna
Monitoring of applications of pesticides, fertilizers and other chemical applications
Improvement includes:
Monitoring of water quality and pH levels in water courses, water bodies, groundwater and water outlets during construction

Document Title: **Soil resource statement**
Relevant Criteria: CN13I, CN14I, CR7I
Improvement includes:
Methods for stripping, stockpiling, re-spreading and ameliorating landscape soils and the conditions that are conducive to this activity
Methods for topsoil handling, spreading and storage
Areas, depths and types of topsoil and subsoil to be stripped
Alternatives to peat used

Document Title: **Waste management plan**
(Soil Resource Statement can be included in this document)
Baseline includes:
Disposal action proposed for each different waste type
Improvement includes:
Action proposed for each different waste type, including re-using and recycling
Construction Stage

**DRAWINGS**

**Document Title:** Site clearance plan  
**Relevant Criteria:** CN1B, CN5B  
**Baseline includes:**  
Methods for clearing site

**Document Title:** Site protection plan  
**Relevant Criteria:** CN1B, CN6B  
**Baseline includes:**  
Protection measures and locations  
‘No impact zone(s)’ to be protected during construction

**Document Title:** Erosion control plan  
**Relevant Criteria:** CN7B, CN8B, CN14I  
**Baseline includes:**  
Erosion prevention measures for soil erosion and sediment pollution of surface and ground water  
**Improvement includes:**  
Control of cultivation operations to minimize soil loss

**Document Title:** Construction compound plan  
**Relevant Criteria:** CN12I, CC2B  
**Baseline includes:**  
Site plan indicating haul routes around site;  
Area for worker’s shelter and the provisions included

**SCHEDULES**

**Document Title:** Plant and equipment schedule  
**Relevant Criteria:** CR3B, CR8A, CR10A  
**Baseline includes:**  
List of all plant to be used and fuel source  
**Aspirational includes:**  
List of maintenance fleet and the vehicle fuel type  
List of all site generators and machinery to be used and fuel source

**Document Title:** Employee schedule  
**Relevant Criteria:** CC4G  
**Baseline includes:**  
List of construction staff, their key roles and responsibilities and their location
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid sulfate soils</td>
<td>Naturally occurring soils, sediments or organic substrates (e.g. peat) that are formed under waterlogged conditions. In an undisturbed state below the water table, acid sulfate soils are benign. However, if the soils are drained, excavated or exposed to air by a lowering of the water table, the sulfides react with oxygen to form sulfuric acid.</td>
</tr>
<tr>
<td>Amenity Grass</td>
<td>Short mown grass not used for golf.</td>
</tr>
<tr>
<td>As Built</td>
<td>A record drawing that shows the built condition such as an irrigation system.</td>
</tr>
<tr>
<td>Aspect</td>
<td>The direction in which a building, window, piece of land, etc. faces; the side of a building that faces a particular direction.</td>
</tr>
<tr>
<td>Certified Material</td>
<td>Certified programmes are to comply or be equal to ISEAL Alliance Codes.</td>
</tr>
<tr>
<td>Core Buildings</td>
<td>Includes clubhouse, maintenance facilities, halfway huts and convenience stations.</td>
</tr>
<tr>
<td>Ecological Hotspots</td>
<td>Areas of site that have a collection of species that are considered under threat.</td>
</tr>
<tr>
<td>Ecologically Rich</td>
<td>Places that have clusters of ecological community types, species and associated landscapes that are unique, rare or threatened or that are valued for their long-term services to keep our environment healthy.</td>
</tr>
<tr>
<td>Gardens</td>
<td>An area within the site typically adjacent to buildings where planting design is mainly ornamental or fruiting.</td>
</tr>
<tr>
<td>Geomorphology</td>
<td>The scientific study of the origin and evolution of topographic features created by physical, chemical and biological processes operating at or near the earth’s surface. Both past and future landform changes can occur in response to factors such as tectonic and volcanic activity, climate and sea level change, and human activities.</td>
</tr>
<tr>
<td>Grow-in Stage</td>
<td>The stage in the construction process that follows the grass being installed in an area.</td>
</tr>
<tr>
<td>Invasive Plant Species</td>
<td>An invasive plant has the ability to thrive and spread aggressively outside its native range. A naturally aggressive plant may be especially invasive when it is introduced to a new habitat. Refer to national or regional agency for site specific guidance on invasive species for your area.</td>
</tr>
<tr>
<td>Intensively Managed Grass</td>
<td>An area of grass sward maintained for the purposes of playing golf.</td>
</tr>
<tr>
<td>Iseal Alliance</td>
<td>The global membership association for sustainability standards.</td>
</tr>
<tr>
<td>Multi-Modal Transport</td>
<td>The provision of more than one transport mode option to be able to reach the golf course site.</td>
</tr>
<tr>
<td>Native / Indigenous</td>
<td>In the context of plants and/or habitats this refers to plants or habitats that originate from that locality or are endemic of that area.</td>
</tr>
<tr>
<td>Net Positive Fill</td>
<td>In the context of grading works, not reducing floodwater capacity to areas by adding overall fill material in defined flood zone area when compared to existing condition.</td>
</tr>
<tr>
<td>No Impact Zones</td>
<td>Areas to be protected from construction works.</td>
</tr>
<tr>
<td>No Spray Zones</td>
<td>Area where application of soluble chemicals is banned or strictly managed.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Off-Grid Water Source</td>
<td>Not being connected to mains or national water system e.g. well, stream, treated sewage effluent (TSE), rainwater harvesting etc... Note: Water sourced from off-grid needs to meet national or regional water quality guidelines for its use and its extraction must be done responsibly.</td>
</tr>
<tr>
<td>Priority Irrigation Areas</td>
<td>Targeted areas considered vital to the operation of the facility.</td>
</tr>
<tr>
<td>Plant/Machinery</td>
<td>Durable apparatus or part of the apparatus employed in carrying on the activities of the construction work.</td>
</tr>
<tr>
<td>Sediment</td>
<td>Any particulate matter that can be transported by fluid flow or wind and which eventually is deposited as a layer of solid particles.</td>
</tr>
<tr>
<td>Statement Of Intent</td>
<td>It is understood that the scale of a development influences construction methodology and recording. In the absence of a piece of evidence a statement of intent is requested to confirm a requirement. This statement is verified by a site visit from a 3rd party verifier or video/photographic evidence.</td>
</tr>
<tr>
<td>Sustainability</td>
<td>The word on its own relates to social equity, environmental protection and economic development. For something to be absolutely sustainable is very difficult to achieve so qualifying words such as 'more sustainable' should be used meaning that you are describing an active process not a static one.</td>
</tr>
<tr>
<td>Sustainability Leader</td>
<td>A member of the project team who is the point of coordination for the project’s sustainability work.</td>
</tr>
<tr>
<td>Target Plant And Animal Species</td>
<td>Protected species as defined by local, regional or national policy, plans or legislation.</td>
</tr>
<tr>
<td>Key Or Sensitive Receptors</td>
<td>A physical landscape resource, special interest or viewer group that will experience an effect from site or part of development in question e.g. individual dwelling, point on a road or access way, elevated location etc...</td>
</tr>
</tbody>
</table>