Galliford Try

Pre-construction Environmental Risk Assessment - User Guide (Version 2; February 2008)

This guide is intended to provide a summary guidance as to how to use the environmental risk assessment tool, as defined within HS&E-STD-E06; Environmental Risk Assessment.

Prior to trying to assign a risk rating (i.e., Significant; Medium; Low; or N/A) to each construction activity, the person completing the environmental risk assessment should review contract documentation, environmental site visit checklist; tender / estimating / design risk assessments and survey reports to identify potential environmental risks.

Thereafter, using the "Environmental Risk Register" (provided in the 'Risk Register' worksheet) the user should assign a **SEVERITY** and **PROBABILITY** rating for each relevant construction activity (e.g., "**Earthworks**") against each relevant environmental aspect (e.g., "**Ecological Management**"). Reference should be made to the "Notes" under the relevant environmental aspect for guidance as to the types of issues that should be considered.

In assigning a **SEVERITY** rating, the user should refer to the **SEVERITY** rating table, see below.

In assigning a **PROBABILITY** rating, the user should refer to the **PROBABILITY** rating table, see below.

Having assigned a severity rating (e.g., "4") and a probability rating (e.g., "3") use should be made of the **ENVIRONMENTAL RISK MATRIX**, see below, to assign an overall **RISK RATING** (e.g., "Medium" using the "4" and "3" referenced earlier).

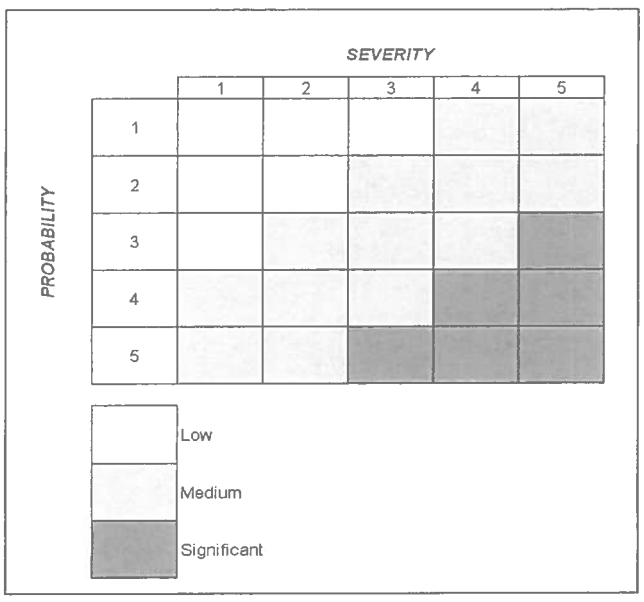
Where a Significant or Medium risk has been assigned, the user should complete the "**Environmental Risk Action Plan**". The user should also include the likely environmental impact from the activity under consideration in the "**Potential Environmental Impact**" column. Thereafter, the user should include the proposed mitigation measures to be used in the "**Risk Reduction Control(s) to be Used**" column and details of who is to complete the action(s). A date should be included when the action(s) have been satisfactorily addressed.

Severity		*Risk / Opportunity*	*Guidance Examples*
1	Negligible	No harm to the environment	No environmental damage / harm
		No breach of legislation or company standards	No legislative or company standards breach
		No concern to management, staff or local community	No issues raised by staff and no complaints from public received
		No significant environmental gains	No distinct environmental benefits
		No commercial and / or perception benefits	No tangible commercial benefit
2	Slight	Minimal harm to the environment	Spill of a hazardous material of <5 litres to land only
		Minor breach of legislation or company standards	Incorrectly completed waste transfer documentation e.g., lack of EWC codes / Non-use of dnp trays
		Some concern to management, staff or local community	Known existence of active external stakeholders e.g., neighbours / pressure groups
		Limited short term environmental gains	Excellent waste segregation practices / Use of site energy efficient practices e.g., energy efficient cabins & 'switch-off' campaigns
		Limited commercial and / or perception benefits	Good example for a project review sheet and / or case study
3	Moderate	Limited short-term harm to the environment	Spill of a hazardous material of 5 - 25 litres to land only
		Occasional breach of legislation or company standards	Failure to register site as hazardous waste producer / Poor waste segregation practices
		Moderate concern to management, staff or local community	Some concerns raised e.g., four or less complaints received from the staff and / or public
		Moderate and / or medium term environmental gains	Excellent raw material storage practices / Procurement of locally sourced construction materials
		Moderate commercial and / or perception benefits	Good opportunity to save resources (i.e., time and money)
4	High	Immediate long-term severe harm to the environment	Spill of a hazardous material (any quantity) to a watercourse
		Repeated breach of legislation or company standards	Use of a non-registered waste carrier / Non-completed project environmental plan or method statement
		High concern to management, staff or local community	Numerous concerns raised e.g., five or more complaints received from the staff and / or public
		Immediate and / or long term environmental gains	Reuse of waste materials on-site e.g., reuse of recycled aggregates / Use of microgeneration (solar panels / wind turbines)
		Substantial commercial and / or perception benefits	Leading-edge sustainability project with high external visibility
5	Very High	Immediate long-term catastrophic harm to the environment	Spill of a hazardous material resulting in damage to flora / fauna e.g., fish kill(s), habitat destruction
		Severe breach of legislation or company standards	Escape of waste to the external environment i.e., outside site boundaries / Non-completed environmental risk assessment(s)
		Major concern to management, staff or local community	Adverse media coverage e.g., newspapers; radio, TV, magazines
		Immediate and / or long term environmental gains	Avoidance in use of hazardous waste landfills e.g., on-site contaminated land remediation / Enhancing building design to achieve a 'Very Good' BREEAM rating as a minimum, where appropriate
		Significant commercial and / or perception benefits	High probability to gain follow on works

Severity Rating Table

	Probability
1	Improbable
2	Unlikely
3	Occasional Chance
4	Likely
5	Certain to Occur

Probability Rating Table



Environmental Risk Matrix

Contract Name:	Pretoria RoadLondon, N17										Contract Number:							
Prepared By:	Name / Position:		Jon Hale								Regional Environmental Advisor:				Amit Patel			
Date Prepared / Reviewed:	6/8/14																	
Activity	Environmental Aspect																	
	NUISANCE							DISCHARGES & EMISSIONS				LAND & RESOURCES				GENERAL		
Ref DESCRIPTION	Applicable?	Noise	Odour	Dust	Traffic	Visual Impact	Vibration / Light	Surface Water	Ground Water	Solid Waste(s)	Liquid Waste(s)	Cultural Heritage	Land Use Management	Materials, Energy & Water Conservation	Ecological Management	Environmental Incident	Other
Significant Risk S		Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	Notes	N/A
Medium Risk M																	
Low Risk L																	
Not Applicable to Project N/A																	
Reset Selection																	
1 Abstraction of Water	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2 Boring and Bored Tunnelling	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 Brick / Blockwork	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	L	STD-W05	L	STD-W01	STD-W01	N/A	N/A	L	L	STD-E04	N/A
4 Building Refurbishment	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 Concrete Batching	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 Concrete Pours & Washout	Y	STD-N02	L	L	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	STD-W01	N/A	N/A	STD-R02	STD-E03	STD-E04	N/A
7 Crushing, Screening & Material Reuse	Y	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	STD-W01	N/A	N/A	STD-R02	STD-E03	STD-E04	N/A
8 Demolition Works	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9 Dewatering / Overpumping	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 Dredging	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11 Earthworks	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 Excavation	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	L	N/A	STD-L03	STD-R02	STD-E03	STD-E04	N/A
13 Exposed Structural Element Repair	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14 Grouting	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15 Internal Fit-out	Y	STD-N02	L	L	STD-N02	L	L	L	N/A	L	L	N/A	N/A	STD-R02	L	STD-E04	N/A
16 M&E Work	Y	L	L	L	L	L	L	L	L	L	L	N/A	N/A	STD-R02	L	STD-E04	N/A
17 Microtunnelling	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18 Office Maintenance	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19 Permanent Office Set-Up & Operation	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20 Piling	Y	STD-N02	L	L	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	STD-W01	N/A	STD-L03	STD-R02	STD-E03	STD-E04	N/A
21 Plant & Vehicle Maintenance	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22 Procurement of Materials & Services	Y	L	L	L	L	N/A	L	L	N/A	L	L	N/A	N/A	L	L	L	N/A
23 Roadworks	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	L	N/A	N/A	STD-R02	L	L	N/A
24 Site Access / Egress	Y	STD-N02	L	L	STD-N02	STD-N02	L	STD-W05	N/A	L	L	N/A	N/A	N/A	L	L	N/A
25 Site Clearance	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	L	N/A	L	STD-R02	STD-E03	STD-E04	N/A
26 Site Drainage	Y	STD-N02	STD-N02	L	STD-N02	L	L	STD-W05	STD-W05	STD-W01	STD-W01	N/A	L	STD-R02	STD-E03	STD-E04	N/A
27 Site Office Set-Up & Operation	Y	L	L	L	L	L	L	L	N/A	L	L	N/A	N/A	L	L	L	N/A
28 Steelwork Erection	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29 Storage / Use of Hazardous Materials	Y	L	L	L	L	N/A	N/A	STD-W05	STD-W05	L	L	N/A	N/A	N/A	STD-E03	STD-E04	N/A
30 Temporary Works	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	STD-W01	N/A	STD-L03	STD-R02	STD-E03	STD-E04	N/A
31 Transportation - materials / wastes	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	L	L	L	N/A	N/A	L	STD-E03	STD-E04	N/A
32 Use of Plant & Vehicles	Y	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	L	L	N/A	N/A	STD-R02	STD-E03	STD-E04	N/A
33 Use of sub-Contractors	Y	STD-N02	L	L	STD-N02	STD-N02	L	STD-W05	L	STD-W01	STD-W01	N/A	N/A	STD-R02	STD-E03	STD-E04	N/A
34 Vegetation Clearance	Y	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	STD-W05	STD-W01	L	N/A	STD-L03	L	STD-E03	STD-E04	N/A
35 Washdown Activities	Y	STD-N02	L	L	L	L	L	STD-W05	STD-W05	STD-W01	STD-W01	N/A	N/A	L	STD-E03	STD-E04	N/A
36 Working in Tidal Waters	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37 Working in, near or over Water	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38 Working with Groundwater	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39 Planning Conditions	Y	STD-N02	L	STD-N02	STD-N02	STD-N02	STD-N02	STD-W05	L	STD-W01	STD-W01	N/A	N/A	L	STD-E03	STD-E04	N/A
40																	

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
1	Brick / Blockwork	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
2	Brick / Blockwork	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
3	Brick / Blockwork	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
4	Brick / Blockwork	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
5	Brick / Blockwork	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
6	Brick / Blockwork	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
7	Brick / Blockwork	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
8	Brick / Blockwork	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
9	Concrete Pours & Washout	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
10	Concrete Pours & Washout	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
11	Concrete Pours & Washout	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
12	Concrete Pours & Washout	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
13	Concrete Pours & Washout	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
14	Concrete Pours & Washout	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
15	Concrete Pours & Washout	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
16	Concrete Pours & Washout	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
17	Concrete Pours & Washout	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
18	Concrete Pours & Washout	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
19	Concrete Pours & Washout	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
20	Crushing, Screening & Material Reuse	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
21	Crushing, Screening & Material Reuse	Odour	Smells from site causing problems to local residents and businesses	Construction	Avoid long term storage of materials with the potential to create odours. Locate stockpiles away from site boundaries. Site static plant and equipment and site offices, etc effectively to reduce odours carrying across to local premises. Traffic routes laid out to avoid exhaust fumes entering local premises. Investigate and find the cause of any odours. Inform neighbours of any works that may cause unpleasant odours.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
22	Crushing, Screening & Material Reuse	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
23	Crushing, Screening & Material Reuse	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
24	Crushing, Screening & Material Reuse	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
25	Crushing, Screening & Material Reuse	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
26	Crushing, Screening & Material Reuse	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
27	Crushing, Screening & Material Reuse	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
28	Crushing, Screening & Material Reuse	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and disposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
29	Crushing, Screening & Material Reuse	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and disposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
30	Crushing, Screening & Material Reuse	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
31	Crushing, Screening & Material Reuse	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
32	Crushing, Screening & Material Reuse	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
46	Excavation	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
47	Excavation	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
48	Excavation	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
49	Excavation	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
50	Excavation	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
51	Excavation	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
52	Excavation	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
53	Excavation	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and disposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
54	Excavation	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
55	Excavation	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
56	Excavation	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
57	Internal Fit-out	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
58	Internal Fit-out	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
59	Internal Fit-out	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
60	Internal Fit-out	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
61	M&E Work	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
62	M&E Work	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
63	Piling	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
64	Piling	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
65	Piling	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
66	Piling	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
67	Piling	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
68	Piling	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
69	Piling	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
70	Piling	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
71	Excavation	Land Use Management	Cross contamination of good soil either on site or elsewhere. Incorrect disposal of excess soil.	Construction	An initial assessment of the land should be conducted and adhered to. Contaminated land to be disposed of correctly as appropriate. Soil stockpiles stored correctly.	Yes	Contractor		
72	Piling	Land Use Management	Cross contamination of good soil either on site or elsewhere. Incorrect disposal of excess soil.	Construction	An initial assessment of the land should be conducted and adhered to. Contaminated land to be disposed of correctly as appropriate. Soil stockpiles stored correctly.	Yes	Contractor		
73	Piling	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
74	Piling	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
75	Piling	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
76	Roadworks	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
77	Roadworks	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
78	Roadworks	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
79	Roadworks	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
80	Roadworks	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
81	Roadworks	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
82	Roadworks	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
83	Roadworks	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
84	Roadworks	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
85	Site Access / Egress	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
86	Site Access / Egress	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
87	Site Access / Egress	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
88	Site Access / Egress	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
89	Site Clearance	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
90	Site Clearance	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
91	Site Clearance	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
92	Site Clearance	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
93	Site Clearance	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
94	Site Clearance	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
95	Site Clearance	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
96	Site Clearance	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
97	Site Clearance	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
98	Site Clearance	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
99	Site Clearance	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
100	Site Drainage	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
101	Site Drainage	Odour	Smells from site causing problems to local residents and businesses	Construction	Avoid long term storage of materials with the potential to create odours. Locate stockpiles away from site boundaries. Site static plant and equipment and site offices, etc effectively to reduce odours carrying across to local premises. Traffic routes laid out to avoid exhaust fumes entering local premises. Investigate and find the cause of any odours. Inform neighbours of any works that may cause unpleasant odours.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
102	Site Drainage	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficulties to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
103	Site Drainage	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
104	Site Drainage	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
105	Site Drainage	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
106	Site Drainage	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
107	Site Drainage	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
108	Site Drainage	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
109	Site Drainage	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
110	Storage / Use of Hazardous Materials	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
111	Storage / Use of Hazardous Materials	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
112	Storage / Use of Hazardous Materials	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
113	Storage / Use of Hazardous Materials	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
114	Temporary Works	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
115	Temporary Works	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
116	Temporary Works	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
117	Temporary Works	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
118	Temporary Works	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
119	Temporary Works	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
120	Temporary Works	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
121	Temporary Works	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
122	Temporary Works	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
123	Temporary Works	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
124	Temporary Works	Land Use Management	Cross contamination of good soil either on site or elsewhere. Incorrect disposal of excess soil.	Construction	An initial assessment of the land should be conducted and adhered to. Contaminated land to be disposed of correctly as appropriate. Soil stockpiles stored correctly.	Yes	Contractor		
125	Temporary Works	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
126	Temporary Works	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
127	Temporary Works	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
128	Transportation - materials / wastes	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
129	Transportation - materials / wastes	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
130	Transportation - materials / wastes	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
131	Transportation - materials / wastes	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
132	Transportation - materials / wastes	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
133	Transportation - materials / wastes	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
134	Transportation - materials / wastes	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
135	Transportation - materials / wastes	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
136	Use of Plant & Vehicles	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
137	Use of Plant & Vehicles	Odour	Smells from site causing problems to local residents and businesses	Construction	Avoid long term storage of materials with the potential to create odours. Locate stockpiles away from site boundaries. Site static plant and equipment and site offices, etc effectively to reduce odours carrying across to local premises. Traffic routes laid out to avoid exhaust fumes entering local premises. Investigate and find the cause of any odours. Inform neighbours of any works that may cause unpleasant odours.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
138	Use of Plant & Vehicles	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
139	Use of Plant & Vehicles	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
140	Use of Plant & Vehicles	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
141	Use of Plant & Vehicles	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
142	Use of Plant & Vehicles	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
143	Use of Plant & Vehicles	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
144	Use of Plant & Vehicles	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		
145	Use of Plant & Vehicles	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
146	Use of Plant & Vehicles	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
147	Use of sub-Contractors	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		
148	Use of sub-Contractors	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
149	Use of sub-Contractors	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
150	Use of sub-Contractors	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
151	Use of sub-Contractors	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
152	Use of sub-Contractors	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
153	Use of sub-Contractors	Materials, Energy & Water Conservation	Over use of resources and materials.	Construction	Use re-cycled materials on site. Dispose of waste into segregated containers. Reuse materials on site or on other sites.Dispose of waste correctly. Reduce the amount of waste sent to landfill. Monitor energy, fuel and water usage on site and reduce where possible.Store materials correctly. Only order materials as required to prevent damage during storage.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
154	Use of sub-Contractors	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
155	Use of sub-Contractors	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
156	Vegetation Clearance	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
157	Vegetation Clearance	Odour	Smells from site causing problems to local residents and businesses	Construction	Avoid long term storage of materials with the potential to create odours. Locate stockpiles away from site boundaries. Site static plant and equipment and site offices, etc effectively to reduce odours carrying across to local premises. Traffic routes laid out to avoid exhaust fumes entering local premises. Investigate and find the cause of any odours. Inform neighbours of any works that may cause unpleasant odours.	Yes	Contractor		
158	Vegetation Clearance	Dust	Dust issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
159	Vegetation Clearance	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficulties to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes. provide well defined	Yes	Contractor		
160	Vegetation Clearance	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
161	Vegetation Clearance	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
162	Vegetation Clearance	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
163	Vegetation Clearance	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
164	Vegetation Clearance	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
165	Vegetation Clearance	Land Use Management	Cross contamination of good soil either on site or elsewhere. Incorrect disposal of excess soil.	Construction	An initial assessment of the land should be conducted and adhered to. Contaminated land to be disposed of correctly as appropriate. Soil stockpiles stored correctly.	Yes	Contractor		
166	Vegetation Clearance	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
167	Vegetation Clearance	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
168	Washdown Activities	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
169	Washdown Activities	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
170	Washdown Activities	Ground Water	Contamination of ground water or aquifers.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
171	Washdown Activities	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
172	Washdown Activities	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
173	Washdown Activities	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		

	Activity	Aspect	Potential Environmental Impact?	Construction Stage	Risk Reduction Control(s) to be Used	Method Statement Required?	By Who?	Date Completed?	Comments
174	Washdown Activities	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
175	Planning Conditions	Noise	Excessive noise disturbing local residents,businesses and wildlife.	Construction	Noise monitoring carried out regularly with records kept on site. Provide and use the quietest available tools for tasks. Liaise with local businesses to avoid carrying out noisy operations during their busiest periods. Give tool box talks to operatives regarding noisy work operations and PPE requirements. Plan operations to reduce noise levels. Provide sound proofed cutting area to restrict noise being carried all over site. Site static plant and equipment and site offices, etc effectively to reduce noise	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
176	Planning Conditions	Dust	Dust Issues caused to other workers on site, residents, businesses and roadways	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. Store fine or powdery materials inside buildings or under covers. Use water suppresent tools when cutting stone or concrete produts.	Yes	Contractor		Refer to the Pollution & Noise from Demolition & Construction Sites May 2008 for further guidance.
177	Planning Conditions	Traffic	Extra traffic on roadways causing damage to roads and verges, causing traffic congestion and parking difficultied to local residents and businesses.	Construction	Carry out monitoring of dust, noise and fumes that may cause nuisance to local residents and businesses, and keep records.Minimise levels of traffic and number of traffic movements by careful and considerate planning of deliveries, etc.Prevent delivery vehicles parking across driveways and causing blockage of local traffic routes.Produce traffic management plan and review and update regularly. Segregate pedestrians and vehicles on site routes, provide well defined	Yes	Contractor		
178	Planning Conditions	Visual Impact	View obstructed to residents and businesses. Obstruction of light or pollution of site lighting into local premises.	Construction	Prevent obstruction of light to local premises. Ensure that items of plant, materials storage and spoil heaps are screened from view. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.	Yes	Contractor		
179	Planning Conditions	Vibration / Light	Obstruction of light or pollution of site lighting into local premises. Damage to premises from vibration from piling, etc.	Construction	Monitor vibration levels at the site boundary and keep records. Prevent light pollution from site into local premises by correct angling and positioning of site lighting.Site static plant and equipment and site offices, etc effectively to reduce vibration carrying across to local premises. Traffic routes laid out to avoid vibration carrying across local premises.Use high frequency equipment which causes less damage than low frequency equipment.	Yes	Contractor		
180	Planning Conditions	Surface Water	Contamination of surface water drainage or water courses.	Construction	Suitable spill kits available on site with persons trained in their use. Wash out facilities provided for concreting operations, etc including seperation tanks where required. Discharge permits obtained and in place. Provide suitable bunded fuel and chemical storage areas. Ensure plant and equipment is regularly inspected and maintained for leaks, etc. Display emergency actionplans and train operatives. Carry out hydrogeological surveys before piling operations commence. Protect manholes and gullies from	Yes	Contractor		
181	Planning Conditions	Solid Waste(s)	Waste on roadways and in neighbouring gardens. Waste sent to landfill	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.	Yes	Contractor		
182	Planning Conditions	Liquid Waste(s)	Waste carried on to roadways. Waste sent to landfill.	Construction	Regularly sweep roads and paths to reduce dust levels. Damp down all areas before sweeping to control dust. Carry out dust monitoring and keep records. All waste produced on site to be segregated into waste streams, where appropriate. Keep records of all transfer, carriage and dispposal of waste produced from site, including hazardous waste. Check that waste is taken to appropriate sites for disposal.Protect manholes and gullies from ingress of silt, liquid wastes and muddy water.	Yes	Contractor		
183	Planning Conditions	Ecological Management	Damage to the resident flora and fauna and destruction of habitats.	Construction	Complete a habitat survey. Identify protected plants, animals, etc. Identify invasive species. Produce method statement to cover works that may come into contact with the species identified. Obtain all necessary tree works licenses. Adequately segregate any retained habitats or features and display signage. Give tool box talks to peratives.	Yes	Contractor		
184	Planning Conditions	Environmental Incident	Damage to the environment.	Construction	Complete the EO6 Environmental Risk Assessment and Action Plan. Carry out all necessary surveys. Regularly review and update the Environmental Risk Assessment and Action Plan and comply with all recommendations made. Comply with all GT Standards to reduce Environmental Incidents.	Yes	Contractor		
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