

Construction Management Plan

Project Name

Angmering

Contract Number

.....

Construction Phase

Health and Safety Plan

Construction (Design & Management) Regulations 2015

Project Name

Angmering

Contract Number

.....

Author	Jonny Mitchell
Current Revision	002

Issued To	Name	Issue Revision	Issue Date
Client	Gold Property Developments Ltd	002	April 2018
Principal Designer	Bedaro Ltd	002	April 2018

This Construction Phase Health and Safety Plan is prepared in accordance with Regulation 12 of the Construction (Design and Management) Regulations 2015 and associated guidance “Managing Health and Safety in Construction” and in particular Appendix 3.

Revision Record

Revisions to the content of this CPHSP, such as a change in the site management personnel or additions and amendments to the significant site risks register are noted below. Following planned reviews, either note the resulting amendments below, or note on the log when the review was held, and where the record of the review is held.

Date	Section amended	Detail of amendment	Amended by
April 2018	First Issue	First Issue	Jonny Mitchell
April 2018	002	Appendix D – TPO & Section 6.8	Jonny Mitchell

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1.0	PROJECT DETAILS			
	1.1	Location of Project		
		Roundstone Lane Angmering West Sussex		
	1.2	Project Description		
		New Build Construction of 30 No. Detached & Semi-detached Houses & Associated Parking. Children’s play area.		
	1.3	Start Date		
		01 st September 2018.		
	1.4	Completion Date / Duration		
		September 2019. 18 Month.		
	1.5	Details of any Phased Handover		
		To be advised during construction		
	1.6	Details of the Project Team		
		1.6.1	Client	Gold Property Developments Ltd Highclere House 180 Main Road Biggin Hill Westerham TN16 3BB
			Contact	Philip Todd
			Tel.	
			Mobile	
			email	
		1.6.2	Principal Designer	Bedaro Ltd Unit 9 Beech House Padgate Business Park Green Lane Warrington WA1 4JN
			Contact	Glenn Cavill
			Tel.	
			Mobile	
			email	
		1.6.3	Principal Contractor	Bedaro Ltd Unit 9 Beech House Padgate Business Park Green Lane Warrington WA1 4JN
			Contact	Damian Clarke
			Tel.	
			Mobile	

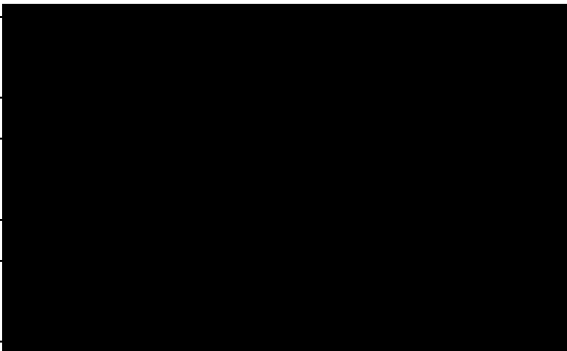
				email	damian@bedaro.co.uk
		1.6.4	Structural Engineer	Bell Munro Consulting Ltd Consulting Civil & Structural Engineers Turing House 5 Archway Manchester M15 5RL	
				Contact	Chris Munro
		1.6.5	Civil Engineer	GFA Civils 66a Church Walk Burgess Hill RH15 9AS	
				Contact	
				email	
		1.6.6	Local Authority	Corner House The Square Angmering Littlehampton BN16 4EA	
				Contact	
				email	
		1.6.7	HSE	Health and Safety Executive Construction Division Rose Court 2 Southwark Bridge London SE1 9HS	
		1.6.8	Police	Littlehampton Police Station County Buildings East Street Littlehampton West Sussex BN17 6AR	
				Contact	
				mobile	
				email	
		1.6.9	Fire Service	East Preston Fire Station	

				20 North Lane Littlehampton West Sussex BN16 1DA
				Contact
				email

	1.7	Sub-Contractors Directory (to be completed and up dated by Site Manager)		
		1.7.0	Demolition	
				Contact
				Tel.
				Mobile
				email
		1.7.1	Groundworks	
				Contact
				Tel.
				Mobile
				email
		1.7.2	Brickwork	
				Contact
				Tel.
				Mobile
				email
		1.7.3	Timber Frame	N/A
				Contact N/A
				Tel. N/A
				Mobile N/A
				email N/A
		1.7.4	Scaffolding	
				Contact
				Tel.
				Mobile
				email
		1.7.5	Roofing	
				Contact
				Tel.
				Mobile
				email
		1.7.6	Plumbing	
				Contact
				Tel.

			Mobile	
			email	
		1.7.7	Electrical	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.8	Dry Lining/Plastering	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.9	Tiling	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.10	Joinery	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.11	Painting and Decorating	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.12	Flooring	Harmony
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.13	Landscaping	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.14	Steel work	
			Contact	
			Tel.	
			Mobile	
			email	
		1.7.15	Contractor	N/A

			Contact	
			Tel.	
			Mobile	

	1.8	Extent & location of existing records and plans		
		1.8.1		Bedaro have received as part of the tender documentation
		1.8.2	Electric	
		1.8.3	Water	
		1.8.4	Gas	
		1.8.5	BT	
		1.8.6	Cable	
		1.8.7	Drainage	
		1.8.8	Ground Investigation	
		1.8.9	Asbestos	
		1.8.10	Structural Survey	

	2.3	Health and Safety Goals for the Project	
		2.31	It will be the Health and Safety Goal of the project to ensure all persons co-operate together on Health and Safety Issues with the target of achieving Nil accidents or dangerous occurrences and also that the Health of all participants and the general public is unaffected by the works.
	2.4	Site Rules	
		1	The following welfare facilities are available on site: • Canteen • Toilets • Kettle • Microwave • Hot and Cold Running Water The above is located in the site compound
		2	First Aid equipment is available at the following location(s): site office
		3	Whilst on site wear appropriate PPE, e.g.: Safety Helmet, Safety Footwear & Hi-Vis Clothing.
		4	Wear long trousers and short, or long-sleeved shirts whilst on site.
		5	You will require a permit to work, issued by the site management for the following activities: • Working on/in excavations, • Hot works, • Electrical permit to work • Use of step ladders • Use of Crane • Working in Confined Spaces
		6	Only use designated access routes, do not work anywhere without permission or enter any prohibited areas.
		7	Smoking is not permitted on Site unless a smoking area has been appointed.
		8	Keep all access routes clear of materials, tools, trailing cables etc.
		9	Do not take food or drink into your work areas, only eat and drink in the canteen.
		10	You must have the competency to use the plant and equipment for the task you are performing
		11	Report all injuries, incidents & near misses, however minor, to the site management.
		12	No foul or abusive language
		13	No eating or drinking except in the site canteen
		14	The use of alcohol or prohibited drugs

		15	No walkmans, ipod and or equipment which uses ear phones. Radios allowed under the site managers discretion etc.
		16	Do not alter or misuse any equipment provided for health safety and welfare
		17	Do not alter fences barriers that have been erected to segregate work areas
		2.5	Co-operation between the Project Team on Site and Co-ordination of their work.
			Bedaro will co-operate with all the project team and will attend all design team meetings where Health and Safety issues will be discussed, and risk designed out where practicable. Bedaro will co-ordinate the contractors on site through regular liaison, sub contract meetings, short term programs and daily reviews.
		2.6	Consultation with the workforce.
			Bedaro have in place and implement established means of communicating with our workforce on Health and Safety matters. Prior to each and every individual starting on site he/she will be instructed on the content of their method statement/risk assessment they will be consulted and at this stage will be asked if they could suggest a safer alternative method of work, if so the method statement/risk assessment will be altered by hand and duly signed by the worker to confirm acceptance and agreement to comply. During the course of the works the workers will be given tool box talks and at the end of each tool box talk they will be asked for both their comments on the content but also on any current health and safety issue on site. Bedaro will also operate an open-door policy and employees will be free to discuss Health and Safety issues at any time with the Site Manager, H & S Advisor and/or Directors.
		2.7	Exchange of design information between the client, designers, principal designers and contractors on site.
			The exchange of design information between the client, designers, principal designers and Principal Contractor will generally be done through the regular design team meetings and drawing/specification issue. The Principal Contractor will then undertake controlled issue of information to contractors and also design issues will be discussed at regular sub-contractor meetings.
		2.8	Handling design changes during the project.
			Design changes during the project will normally be notified to us by our design team via one of the following methods: • Drawing Revision • Architects Instruction • Verbal (Bedaro will confirm back to client/contract via CVI Procedure) All design issues will be channelled through the principal designer
		2.9	The Selection and control of subcontractors.
			Bedaro operate an approved sub-contractors list and only contractors who are on that list will be allowed to work this contract. Health and Safety Performance is monitored, by Project Managers on an ongoing basis and by our H & S Manager on a fortnightly basis, and reviewed, poor performance would result in removal from the approved list. Sub-contractors will not be allowed to sub-let work without similar proof of competency being proven.

		2.10	The exchange of Health and Safety Information between contractors.
			Bedaro will co-ordinate the works and as such will control and channel the exchange of health and safety information through them as principal contractors in charge of the site.
		2.11	Site Security.
			The site will be fully fenced with separate, controlled, pedestrian and vehicle access. The requirement for further security measures will be monitored throughout the construction phase.
		2.12	Site Induction.
			Bedaro will carry out a site safety induction for all employees using the Induction Registration Form and Induction Register. Visitors will sign the visitors book and will be escorted whilst on site. The above forms are the basis of the site inductions, but the inductions will also include briefing on the following: • Site Rules • Traffic Management Arrangements • Emergency Procedures • Fire Plan • Content and Understanding of the relevant Method Statements/Risk Assessments, and endorsement to confirm the same.
		2.13	On-site Training.
			All persons working on this site will be trained and competent in their individual disciplines and we will ensure that a high proportion of the workforce have passed the CSCS touch screen test. Further on-site training will be provided in the form of Induction training as detailed above and also regular Tool Box Talks relating to relevant work front topics.
		2.14	Welfare Facilities and First Aid.
			Welfare facilities will be provided strictly in accordance Schedule 2 of the CDM Regulation 2015. (See also 2.1.1) The First Aid Box is located in the Site Managers office. The site First Aider is the Site Manager
		2.15	The Reporting and Investigation of Accidents and incidents including near misses.
			All accidents, no matter how minor must be reported to the Site Manager as soon as possible. The Site Manager is then responsible for gathering all the relevant information and recording it in the site accident book. This information is then to be relayed to the Company Safety Officer who will decide on any further action. This system of reporting also applies to any dangerous occurrences or potential hazards noted by all employees. It is an offence under the 1974 Health and Safety at Work Act not to report recognised potential hazards to a supervisor. Accident Investigation For Minor Injuries Bedaro have an Accident Investigation Report Form which is completed by the Site Supervisor and submitted to the Warrington Office. With

			respect to all reportable accidents or incidents Bedaros Health & Safety Manager will undertake a full investigation which is then discussed with Senior Management and any resultant findings are acted upon.
		2.16	The production and approval of risk assessments and written systems of works.
			Prior to the commencement of any works that present a significant risk a safe system of works must be prepared and will include a method statement and suitable and sufficient risk assessments. This Safe System of Work must be presented to the Bedaro Site Manager a week before commencement of the works, unless agreed otherwise. RAMS will be communicated to the workers who will be asked to contribute if they think there is a safer method. The Workers will sign to confirm their understanding and agreement to comply. The works will be monitored, and RAMS reviewed if appropriate.
		2.17	Emergency Procedures.
			Summoning the emergency services. In the event of an emergency immediately contact the Site Manager or the nearest member of the Principal Contractors Staff. Advise them concisely and clearly of the nature and location of the emergency. They who will then contact the emergency services. You must then proceed to the site entrance and await the arrival of the emergency services. On their arrival direct them to the location of the incident. If you cannot find a member of staff then dial 999 yourself, either by mobile phone or by going into to the site office, before proceeding to the site entrance Local Accident and Emergency Dept. The Nearest A & E Facilities are located at: Royal Sussex County Hospital Barry Building Eastern Road Brighton BN2 5BE  A map is included in Appendix B of this document
		2.18	Fire Plan
			1 – Organisation and Responsibility The Site Manager has overall responsibility for Fire Safety on site and is named as the Fire Marshall. 2 – Site Precautions It has been determined by assessment that Fire Extinguishers are required to site offices and Mess Rooms. The Fire alarm for this small office set up is shout “FIRE” The Bedaro site manager will liaise with the Bedaro SHE Manager regarding the fire and emergency arrangements. These will be disseminated to the workers on induction. In the event of an emergency dial 999 3 – Hot Work Requirements and Permits to Work No hot works are to be undertaken unless under the cover of a Hot Work Permit.

		4 – Site Accommodation All site accommodation is of steel construction to limit fire spread, for Muster Point etc. see Logistic Plan in Appendix 1. 5 – Fire Escapes, Communications and Practice Drills All persons will be advised of Fire Escape Routes on induction. An initial Fire Drill will be held and then repeated at 3 monthly intervals. 6 – Fire Brigade Fire Brigade Access is as per the attached logistics plan and will be kept clear at all times. 7 – Instructions In case of Fire to the site offices raise the alarm by shouting FIRE (Site Accommodation only, within the main building existing fire arrangements are to be complied with). Then locate a Bedaro Staff member who will then contact the emergency services and escort them to site. Proceed to the Muster Point where the Fire Marshall will check the register. Liaison will be made with Local Fire Brigade re. Emergency Access. 8 – Security The site compound will be fenced, and access controlled. 9 – Materials, Storage and Waste Control Flammable materials will be stored in external, lockable, ventilated store. Waste to be cleared to on site skip.
3.0	ARRANGEMENTS FOR CONTROLLING SIGNIFICANT SITE RISKS	
	3.1	Safety Risks
	3.1.1	Delivery and Removal of Materials (including waste) and work equipment taking account of any risks to the public (e.g. access and egress to the works)
		Loading/unloading of plant, materials and waste - vehicles will make their way through the site entrance on the West portion of site (turning right into site if travelling South to North or turning left into site if travelling North to South) on Roundstone Lane. They will follow the vehicle segregated route to the 3-point turn area on the far East portion of site where they will load/unload whatever plant, equipment or materials they may carry in the designated material laydown area. There is also a material storage area by the welfare at the North/West portion of site. This is shown by a purple rectangular box depicted on the logistics plan in Appendix A. There shall be no HGV parking on site (except to unload) or public highways at any time. The loading and unloading of materials shall be completed by a JCB type heavy fork lift truck and/or hiab with a competent and qualified driver and banksman. Throughout the project, we will be using 8 & 20yd mixed waste skips. On collection, they shall be secured and sheeted at all times.

		3.1.2	Dealing with services – water, electricity and gas including overhead powerlines and temporary electrical installations.
			Where our works interface with live services, in liaison with the district representative, we will need to isolate these services to eliminate any risk to workers.
		3.1.3	Accommodating adjacent land use.
			The works are within a heras type perimeter fence & 6ft wooden hoarding fence. - To the North of the site it is a large neighbouring ongoing construction site. - To the East of site there is Haskins Garden Centre Roundstone. - To the South is a 5 – 10 houses and Roundstone By-pass. - To the West of the site is Roundstone Van Centre & Roundstone Boarding Kennels & Cattery.
		3.1.4	Stability of structures whilst carrying out construction works, including temporary structures and existing unstable structures.
			Any temporary works will be done in consultation with the structural engineer. (1) The demolition or dismantling of a structure must be planned and carried out in such a manner as to prevent danger or, where it is not practicable to prevent it, to reduce danger to as low a level as is reasonably practicable. (2) The arrangements for carrying out such demolition or dismantling must be recorded in writing before the demolition or dismantling work begins.
		3.1.5	Preventing Falls.
			This project involves both high level and low-level work at height, Bedaro will ensure that this information will be relayed to our subcontractors who will be required to provide detailed safe systems of work, taking due consideration of the hierarchy of control, which will be appraised and checked prior to any work being undertaken on site
		3.1.6	Work with or near fragile materials.
			Glass – Window fitting Awaiting Ground investigation report
		3.1.7	Work involving the assembly or dismantling of heavy prefabricated components.
			N/A
		3.1.8	Work near high voltage cables.
			High Voltage pylons on North boundary of site.
		3.1.9	Work on excavations and work where there are poor ground conditions.
			(1) All practicable steps must be taken to prevent danger to any person, including, where necessary, the provision of supports or battering, to ensure that— (a) no excavation or part of an excavation collapses; (b) no material forming the walls or roof of, or adjacent to, any excavation is dislodged or falls; and (c) no person is buried or trapped in an excavation by material which is dislodged or falls. (2) Suitable and sufficient steps must be taken to prevent any person, work equipment, or any accumulation of material from falling into any excavation. (3) Suitable and sufficient steps must be taken, where necessary, to prevent any part of an excavation or ground adjacent to it from being overloaded by work equipment or material. (4) Construction work must not be carried out in an excavation where any supports or battering have been provided in accordance with part (1) unless—

			(a) the excavation and any work equipment and materials which may affect its safety have been inspected by a competent person— (i) at the start of the shift in which the work is to be carried out; (ii) after any event, likely to have affected the strength or stability of the excavation; and (iii) after any material unintentionally falls or is dislodged; and (b) the person who carried out the inspection is satisfied that construction work can be safely carried out there.
		3.1.10	Work on wells, underground earthworks and tunnels.
			Not applicable to these works
		3.1.11	Work exposing workers to the risk of drowning.
			Not applicable to these works
		3.1.12	Work carried out by divers having a system of air supply.
			Not applicable to these works
		3.1.13	Work in a caisson with a compressed air system.
			Not applicable to these works
		3.1.14	Work involving explosives.
			Not applicable to these works
		3.1.15	Traffic Routes and Segregation of vehicles and pedestrians.
			Access of vehicles, if travelling North to South, shall be a turning to the left off Roundstone Lane. If travelling South to North, then vice versa. Traffic and pedestrian segregation will be in place on site. Pedestrian walkway will be to the south of the site with a number of crossover points. Section 6.5
		3.1.16	Storage of Materials (particularly hazardous materials) and work equipment.
			Section 6.1
		3.1.17	Work which puts workers at risk from chemical and biological substances.
			Not applicable to these works
		3.1.18	Work with ionising radiation requiring the designation of controlled or supplied areas.
			Not applicable to these works
	3.2	Health Risks	
		3.2.1	Asbestos.
			Large property due for demolition. Awaiting report. Awaiting Ground investigation report.
		3.2.2	Dealing with Contaminated Land.
			Awaiting Ground investigation report.
		3.2.3	Manual Handling.
			It is our policy that all heavy materials will be lifted mechanically, where this is not practicable then a Manual Handling assessment will be undertaken to determine the safe measures to be put in place, such as team lifting, manual handling aids to be used etc.

		3.2.4	Use of hazardous substances, particularly where there is a need for health monitoring.
			Assessments, in accordance with The Control of Substances Hazardous to Health Regulations will be put in place for the use of any hazardous substances and the determined control measures complied with.
		3.2.5	Reducing Noise and / or Vibration.
			Complete as appropriate dependant on the proximity of others and site conditions or note: Noise – The timing of any noisy operations will be determined in liaison with the client. Wherever possible we will utilise low noise emission tools & try to eliminate the noise risk. Our sites undertake noise assessments and where necessary exclusion zones will be set up and ear protection provided with SNP level appropriate to ensure noise at source falls below action levels. Vibration – Wherever possible anti vibration tools will be used. Where tools are used that create a vibration risk the vibration frequency in m/s² will be obtained from the supplier and applied to the HSE Vibration Calculator to obtain the EAV. Work practices will be so organised to ensure that the EAV is not exceeded.
		3.2.6	Exposure to UV Radiation (from the sun).
			It will be a site rule that shorts are not to be worn on site, workers will be given tool box talks on the dangers of UV radiation.
		3.2.7	Any other Significant Health Risks.
			Flooding – Low risk – Eastern portion of site & carriageway adjacent to site.
4.0	THE HEALTH & SAFETY FILE		
		4.1	Layout and Format, arrangements for the gathering of information and its storage.
			The layout, format, arrangements for the gathering of information and its storage will be discussed and agreed with the Principal Designer and arrangements put in place as soon as is practicable.
5.0	SIGNIFICANT DESIGN AND CONSTRUCTION HAZARDS		
		5.1	Significant design assumptions and suggested work methods, sequences or other control measures.
			N/A
		5.2	Information on significant risks identified during design.
			N/A
		5.3	Materials requiring particular precautions.
			There are no materials identified that present any significant risks that are not usually dealt with by a competent contraction during habitual, regular, construction works.

6.0	ADDITIONAL INFORMATION/REQUIREMENTS & RECOMMENDATIONS.
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	6.1	Storage of Materials (particularly hazardous materials) and work equipment.
		It is not our intention to use hazardous materials during the construction phase however should this be inevitable the hazardous material will be stored safely in lockable containment ventilated where appropriate. Vehicles will follow the vehicle segregated route to the 3-point turn area on the far East portion of site where they will load/unload whatever plant, equipment or materials they may carry in the designated material laydown area. There is also a material storage area by the welfare at the North/West portion of site. Please also refer to the logistics plan within appendix A of this document. This is shown to be on South-side of the construction site by a purple rectangular box.
	6.2	Appearance, erection, maintenance of security fencing and lighting for construction.
		The perimeter fence shall be of the heras type with a vehicle double gate and a pedestrian single gate at the entrance on the West portion of site. We shall be using the standard feet and clips to attach the fence panels together. We shall be reverting to 7-foot wooden board hoarding throughout the project which will then be replaced by 6-foot feathered fencing. Relevant safety and warning signage will be used to ensure all health and safety parameters are covered. This shall be inspected daily by the site manager. With regards to lighting, lighting shall be available as and when required through the demolition/construction project. Security lighting - The security lighting will be mounted on the cabins. SAA Approved security LED Flood lights with presence detection The lighting, if required, we will be using for works: • Halogen Carrylite – 2kg 110v 3kw • Fluorescent light contractors – 6.5kg 0.6m 28watt 110v 3kw • Festoon light standard – 5kg 60watt 110v 3kw • Halogen flood light magnetic – 5kg 110v 3kw • Elite 30watt LED Light – 30,000hrs 120' 120' (Quantities of lights required is difficult to determine until works commences).
	6.3	Parking of vehicles of site operatives and visitors.
		Parking of vehicles: • 2 parking areas enough for 12-15 vehicles on site in front of the welfare and as you enter on your right. • 2 parking areas enough for 10-12 vehicles on the highway in front of site either side of the site entrance. Please also refer to the logistics plan within appendix A of this document. This is shown to be the dark red dashed rectangular box. There is a possibility that there will be 30 contractors on site at any one time throughout the construction phase. This will be a more solid estimation once a trade is in place. The parking areas (altogether) shall be large enough to fit between 15-25 cars or 10 vans/trucks. (Size dependent). There shall be no HGV parking on site (except to unload) or public highways at any time.

			This shall be monitored and controlled by the site manager. Contractors, the majority of the time, do not always travel individually. Car/vehicle sharing will be, again, enforced throughout the project to abide by the forecast of events. Throughout the project, this is subject to change. This will constantly be monitored, managed & enforced by the Site Manager.
		6.4	Provisions of wheel wash Facilities.
			Wheel wash facilities shall be made ready available from the start of the project as to prevent any vehicles damaging the roads/surrounding area with flying debris/materials and/or waste. This is also to prevent any further contamination the surrounding area and to keep the area clean. Wheel washing shall take place on leaving the construction site by all vehicles at all times. The wheel wash facilities shall be situated just within the site entrance on the West portion of site. Drivers must clean their own vehicles. We will have a Karcher type and/or petrol high Power Jet Wash. The wheel wash area/road shall be inspected on a daily basis; at the commencement and completion of works daily by the site manager. The public highway will be inspected daily, and a mechanical road sweeper will be used as necessary on the public highway. Please see the Logistics Plan Appendix A.
		6.5	Methods of Access & Routing of Vehicles during Construction.
			Access of vehicles, if travelling North to South, shall be a turning to the left off Roundstone Lane. If travelling South to North, then vice versa. Due to the size of the site/area, there shall be the 1 turnaround area. The vehicles will make their way through the site entrance on the West portion of site on Roundstone Lane. Upon entering the West portion of site, they will follow the vehicle segregated route to the 3-point turn area on the Far East portion of site where they will load/unload whatever plant, equipment or materials they may carry in the designated area depicted in the logistics plan Appendix A. A banksman will be used at all times to ensure the safety of employers/employees and visitors. We will try and refrain from any 2-way traffic on site by using banksman at all times and constantly monitoring vehicle movement and adjusting it accordingly.
		6.6	Anticipated Number, Frequency, Type/Size of vehicles.
			Here is list of plant/vehicles expected to play some part within the project; • Excavators (3t & 14t) – x 3 • Telescopic Handlers (JCB) – x 1 • Mobile Elevating Work Platforms (MEWPs) – x 0 • Dumper Trucks (3t & 8t) – x 2 • Cars – x 15-20 • Small/Large vans – x 5/6 • Cranes (20t-60t) – x 1 • Heavy Goods Vehicles (HGV) – frequency quite high at the start of the project. 1 possibly 2 per day for material, plant & waste drop off & pick up. There shall be no HGV parking on site (except to unload) or public highways at any time.

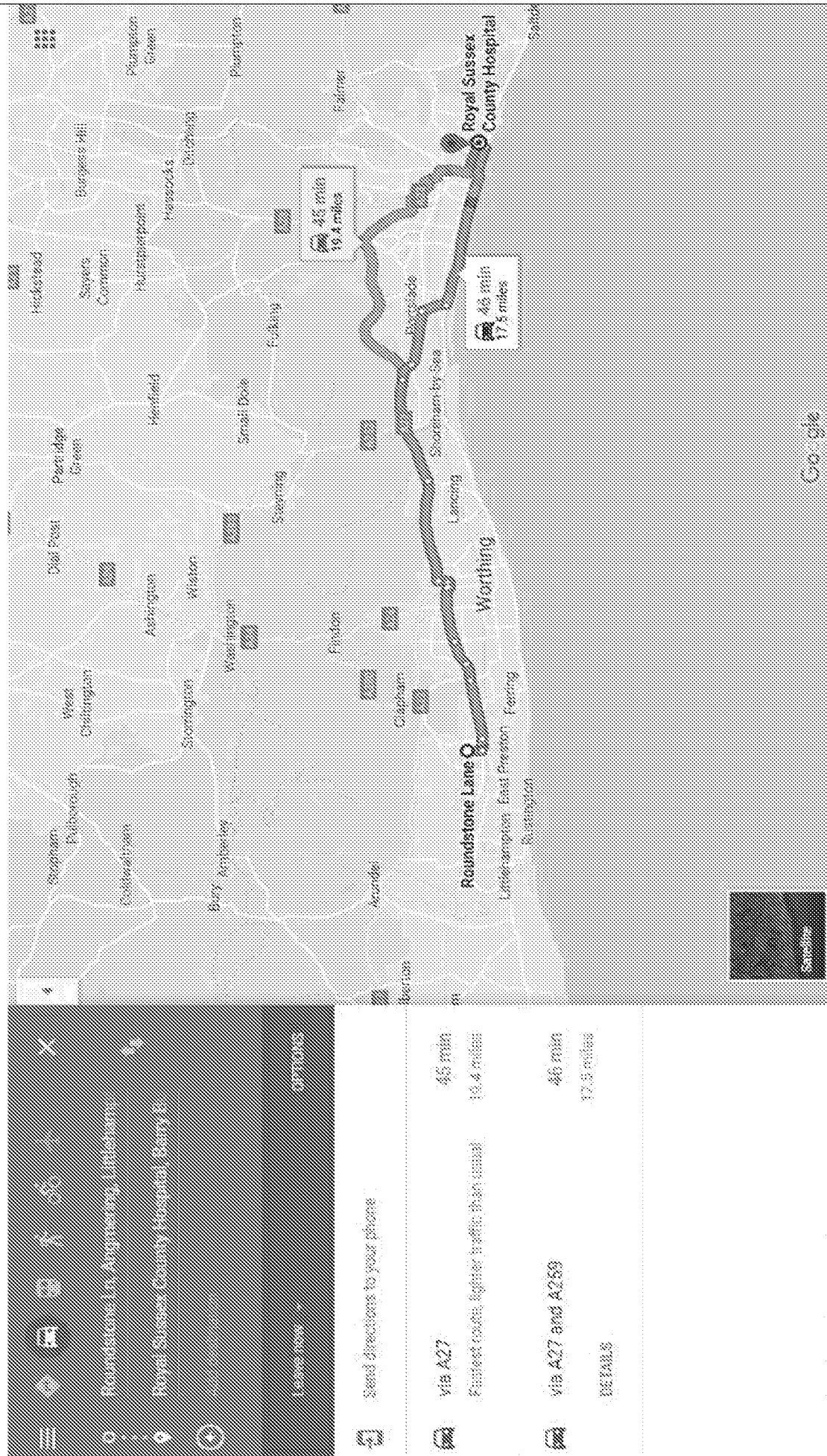
			The frequency would be difficult to determine as the plots will be built at different stages throughout the project.
		6.7	Public Engagement both prior to and during Construction works.
			Public engagement shall be completed by the Bedaro Health, Safety & Environmental Manager. This roll will include interaction with neighbouring residence prior and throughout the project which will also include a letter drop (Section 6.10) informing them of any changes/updates that may take place to the project that may/may not in some way shape or form affect them.
		6.8	Measurements to manage all environmental effects of the development during demolition and construction, including traffic (worker travel plan), noise, vibration, dust, air pollution, odour & wildlife (habitat).
			Traffic – we will encourage car sharing to minimise the amount of traffic on and around site. We will also add a train timetable and bus schedule to the site welfare notice board. Tradesman/employers/employee's movements to and from the site - once the trades are in place for the works required, there will be a travel plan in place including public transport routes to and from their place of travel for contractors on the notice board of the Welfare on site. They will be encouraged to use public transport where possible. Also, see Appendix C. Skips – the skips on upon leaving the site full shall be sheeted at all times. Throughout the project, we will be using 8yd & 20yd mixed waste skips. On collection, they shall be secured and sheeted at all times Noise – any noisy works i.e. equipment/plant etc. shall be within the times of 0800 – 1800. This will be strictly monitored and controlled at all times by the Site Manager. Vibration – (if required) vibration Monitors shall be on site that have email alert if vibration approaches/exceeds 10mm per second. Dust – we will ensure all tradesman dampens down all area of works accordingly if dealing with any amount of dust. Skips shall be sheeted and secured at all times on collection to prevent falling debris in and around the surrounding area. Air pollution/odour – we do not envisage any activity which will cause air pollution or odours during the project. TPO – The trees designated for retention to the edges (North; South; East & West) of the proposed development site are to be retained and protected with tree protection fencing in accordance with '855837: 2012 Trees in Relation to Design, Demolition and Construction. Please refer to the Appendix A (Fire & Logistic Plan) and Appendix D for information.
		6.9	Pre-commencement survey and Post completion survey
			We shall undertake a thorough dilapidation survey prior to commencement of all details on the site and the surrounding area which includes roads, drains, curbs, building, surrounding foliage, overhead pylons etc. Once the project is complete another dilapidation survey shall be completed to ensure the integrity of the surrounding area is still present.
		6.10	Letter Drop
			A letter drop will take place prior to the commencement of works and at different stages throughout the construction phase of the project. It shall be sent to all surrounding neighbours and whoever we feel will be affected by the works taking place. This will part of public engagement throughout the project shall be conducted by the Bedaro Health, Safety & Environmental Manager in Section 6.7

APPENDIX A

LOGISTICS PLAN

APPENDIX B

MAP / DIRECTIONS TO NEAREST A & E



APPENDIX C

CONTRACTORS TRAVEL PLAN

Travel Plan for Contractors – Angmering

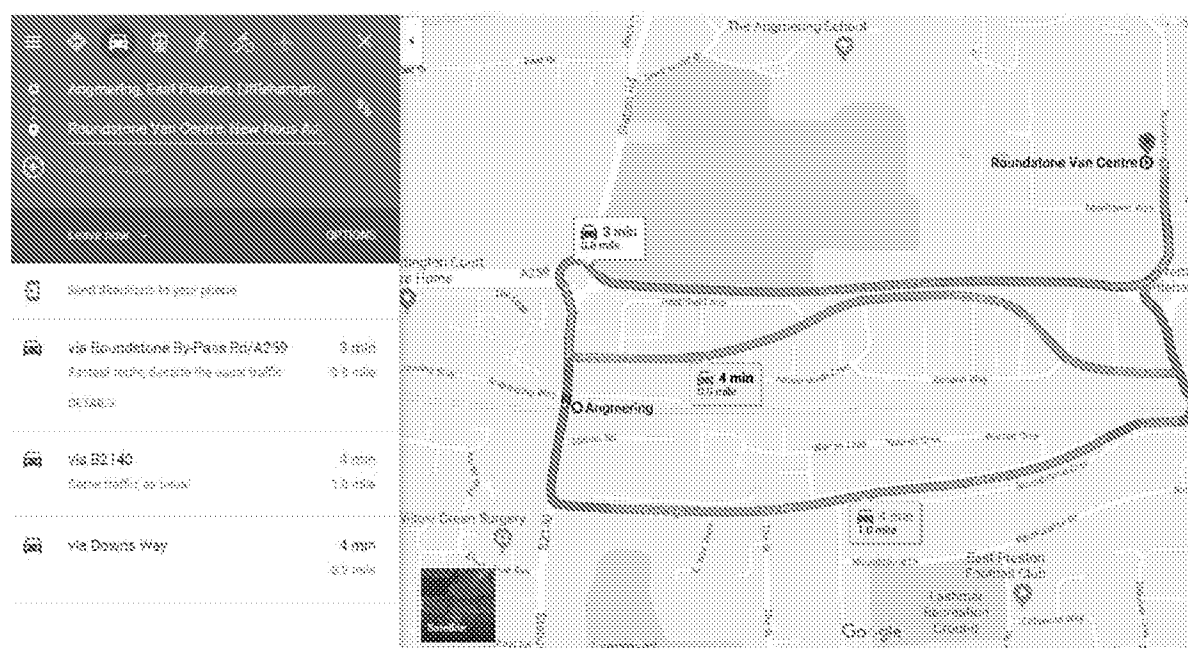
Please inform the Principal Contractor before you first visit the site.

Private Car

There will be parking on site & on the highway at the front site for up to 25 cars.

Public Transport/Rail

The site can be accessed by public transport. Angmering train station is a 3-minutes' taxi/bus 0.8-mile ride away from the site and/or a 15-minute walk 0.7-mile walk. Plan below:



Rail

You will see bellow all travel timetables for Southern Rail which passes through Angmering.

Car Sharing

Given the location and nature of the site, we recommend that car sharing is the most recommended option of travel.



General Information

This timetable shows the course between Brighton, London and Oxford from 21 May to 2 December 2017.

National Pair Singapore
For more on the Institute for Information Studies National
Pair network and information on all other state approved
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Notes & Synthesis

- 800 Direct help
- Light Connecting line
- 100 Recommended connecting line
- 150 Free Class reservation enable
- 200 User's independent browsing
- 300 Original transfer information
- 400 Support reservation
- 500 Query device reservation
- 600 Service operated by Bechoer

- a. Arrival Time
- b. Change at Haverhill Heath
- c. Change at Lowell
- d. Departure Time
- e. Change at Monticelli Village & Lowell
- f. Change at East Troyon, Maynard Heath & Lowell
- g. Change at East Troyon & Lowell
- h. Change at Lowell, Monticelli Village
- i. Change at Lowell & East Troyon
- j. Change at Lowell & Maynard Heath
- k. Change at East Troyon
- l. Change at Lowell, Maynard Heath & East Troyon

- A To Beethoven
- B To Alford Meadows
- C To Cric
- D To Alford & Co. Train stopped at 2pm
- E To Meadows
- F John Carlsbach
- G John Meadows
- H John Alford International
- I John Cric

62 Services available Monday to Friday only
72 Services available Monday to Thursday only
78 Services available Tuesday to Saturday
Monday only

Montdays to Fridays

[illegible]

Quantiles	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38	Q39	Q40	Q41	Q42	Q43	Q44	Q45	Q46	Q47	Q48	Q49	Q50	Q51	Q52	Q53	Q54	Q55	Q56	Q57	Q58	Q59	Q60	Q61	Q62	Q63	Q64	Q65	Q66	Q67	Q68	Q69	Q70	Q71	Q72	Q73	Q74	Q75	Q76	Q77	Q78	Q79	Q80	Q81	Q82	Q83	Q84	Q85	Q86	Q87	Q88	Q89	Q90	Q91	Q92	Q93	Q94	Q95	Q96	Q97	Q98	Q99	Q100
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[illegible][illegible]



Saturday

[illegible][illegible][illegible]

Sundays

[illegible]

Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
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Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
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Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M	59M	60M	61M	62M	63M	64M	65M	66M	67M	68M	69M	70M	71M	72M	73M	74M	75M	76M	77M	78M	79M	80M	81M	82M	83M	84M	85M	86M	87M	88M	89M	90M	91M	92M	93M	94M	95M	96M	97M	98M	99M	100M
Operator	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	25M	26M	27M	28M	29M	30M	31M	32M	33M	34M	35M	36M	37M	38M	39M	40M	41M	42M	43M	44M	45M	46M	47M	48M	49M	50M	51M	52M	53M	54M	55M	56M	57M	58M																																										



Saturdays

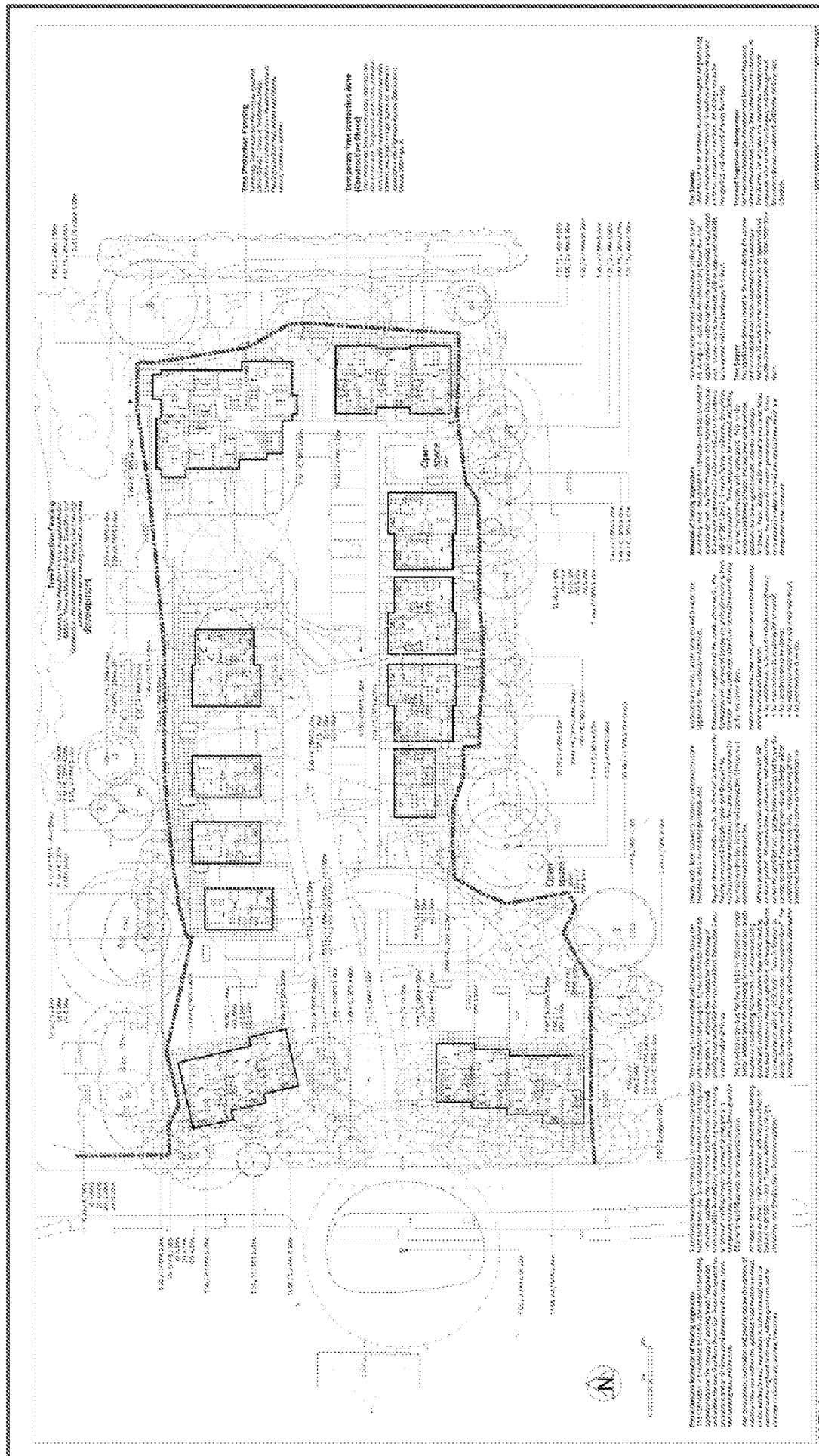
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Sundays

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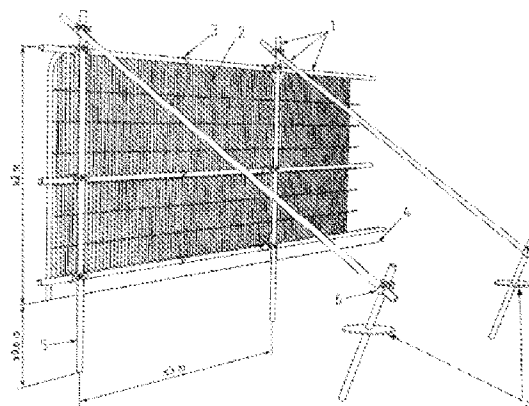
Appendix D

TPO



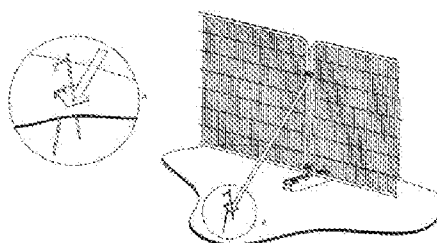
Methods of constructed Tree Protection Fencing

Method 001:

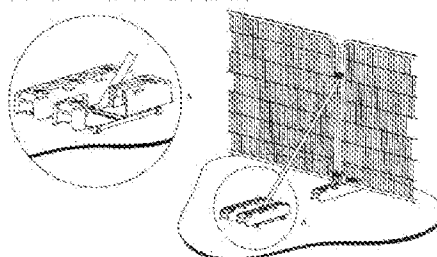


- Key**
- 1 Standard scaffold poles
 - 2 Heavy gauge 2 m tall galvanized tube and welded mesh fabric panels
 - 3 Panels secured to uprights and crossmembers with wire ties
 - 4 Ground level
 - 5 Spigots driven into the ground until secure (minimum depth 0.6 m)
 - 6 Standard scaffold clamps

Method 002:



a) Stabilizer strut with bolt plate secured into ground plate



b) Stabilizer strut secured into ground plate

Tree Protection Signage

TREE PROTECTION ZONE KEEP OUT

**TREES ENCLOSED BY THIS FENCING ARE PROTECTED BY
PLANNING CONDITIONS**

(Town & Country Planning Act 1990)

THE FOLLOWING MUST BE OBSERVED AT ALL TIMES;

- **TREE PROTECTION FENCING MUST NOT BE REMOVED OR ALTERED**
- **NO PERSONS SHALL ENTER THE PROTECTED AREA**
- **NO MACHINE OR PLANT SHALL ENTER THE PROTECTED AREA**
- **NO MATERIALS SHALL BE STORED IN THE PROTECTED AREA**
- **NO SPOIL SHALL BE DEPOSITED IN THE PROTECTED AREA**
- **NO EXCAVATION SHALL OCCUR IN THE PROTECTED AREA**

**ANY INCURSION WITHIN THE PROTECTED AREA MUST BE WITH THE WRITTEN
APPROVAL OF THE LOCAL PLANNING AUTHORITY**