Construction Method Statement

Under HSE CDM 2015 a Construction Phase Plan must be produced prior to construction. This Document with all associated risk assessments, reports etc will be on site at all time of which this Construction Management Plan will be part of.

(i) Parking of vehicles of site personnel , operatives & visitors as indicated.

(ii) Loading & unloading of plant & materials will be as indicated..

(iii) Storage of plant and materials including cement masonry & washing will be as indicated..

(iv) The erection and maintenance of security hoarding including decorative displays and facilities for public viewing as indicated.

(v) Construction vehicles & wheel cleaning as indicated.

(vi) Measures to be used for the suppression of dust & dirt throughout the course of construction will be as indicated.

(vii) The location of any site huts/cabins/offices as indicated.

Noise & Dust Environmental Impact statement;

This document will form part of the appendices of the CDM Construction Phase Plan in addition to the items covered under 3.1 (e) & (h). This statement has been produced due to the nature of the sites location and its proximity to neighbouring domestic properties and focuses on the impact to the Environment rather than the user.

Elivia Homes will write to all surrounding neighbours informing them of the construction program including giving all contact details for the site team and Elivia Homes head office construction team. Neighbours are invited to make contact at any stage if they have any concerns

Working Hours;

As stated within the planning supplementary information no work relating to the construction of the development will take place outside of the hours of 8.00am - 6.00pm weekdays and 8.00am - 1.00pm on Saturdays. No working on site permitted on sundays or bank holidays.

Preventative Excessive Noise and Dust issues;

The Control of Noise (Codes of Practice for Construction and Open Site) Order 1984 gives legal approval for BS 5228 parts 1&2:2009 +A1 2014. This provides information on noise and noise control on Construction Sites which will be followed on this construction project.

Dust

Elivia Homes takes the following reasonable precautions to reduce the impact upon neighbours and the wider community with regard to dust:

- Keeping neighbours informed.
- Providing a contact number so that problems can be reported.
- Storing fine materials under cover.
- Damping fine materials and roadways.
- Minimising demolition or crushing dust.
- Washing down vehicles.
- Taking care when deciding transport routes.
- Providing hard-surfaced roadways.
- Proper waste management
- Using well-maintained machinery.
- Careful sub-contractor management

Predominantly the above will be managed by the site manager and contact details will be provided both on the site gate as well as via a letter drop. We do however request that each sub contractor set out, within their RAMS documentation, elements of contracted work that will potentially cause dust, how they envisage undertaking this work and how they will seek to minimise this where possible. Activities that involve the creation of dust will be periodically monitored by both the site manager and the sub-contractor and where necessary re-evaluated if problems persist and if necessary an alternative method of working will be considered and implemented.
It is intended that all roads will be constructed to base early in the build to assist in the reduction of dust. When necessary these will be dampened down and in addition to this wheel wash facilities for all vehicles leaving site will be provided.
Skips and removal vehicles will be properly covered when leaving the site.
Stockpiles of material shall be damped down or otherwise suitably treated to prevent the emission of dust from the site.
Stockpiles should be planned and sited to minimise the potential for dust generation. The handling of material should be kept to a minimum and when deposited onto a stockpile it should be from the minimum possible height.
For tasks that involve the creation of dust we seek to ensure that our sub-contractors use well maintained equipment that is checked frequently and use either water suppression or on tool extraction.

Noise

All best practicable means will be used by Elivia Homes Ltd to minimise the level of noise and vibration to which neighbouring residential premises will be exposed.

In order to fulfil the above commitment the site manager will monitor, review and direct site staff accordingly. All employees and contractors will be informed of the requirements to minimise noise during their site induction together with toolbox talks, as part of our commitment to on-going on-site training.

In order to build relationships with the local neighbours a letter drop will take place as required to inform those affected by the scheme as to progress and up and coming activities.

All contractors will be required to comply with BS5228 and this will be demonstrated within their RAMs documentation and monitored accordingly.

All plant used is to be of the appropriate specification to best suit our needs. All plant and equipment is to be serviced regularly and kept well maintained. All plant shall be positioned strategically on site and in operation at suitable times to avoid any nuisance concerns to locals, especially within sensitive areas. Where noise levels exceed the 80DB threshold all employees shall be made aware and ear protection provided if required.
Where noise levels exceed 85DB all persons within the immediate area shall be made to wear ear protection and this shall be policed by the Site Manager.
Noise monitoring will be carried out at regular intervals, or as site activities dictate by the site manager. Every attempt shall be made to control noise at source and where noisy activities are unavoidable the disturbance will be minimised/ attenuated by choice of technique, timing, shielding or protection or siting the activity away from neighbouring properties in accordance with guidlines set out within BS 5228.

The list below identifies machinery & processes that may cause noise and dust issues & methods of limitation;

Vibration Roller

Vibration Roller for road construction within month 1 and 2 of construction to be rated at < 80db(A) as stipulated by HSE "The Noise at Work Regulations 2005".

Radios

Radios must be kept to an acceptable volume.

Bonfires

No bonfires will be permitted on site during clearance or construction phases.

Dust Suppression generally during Demolition;

Existing water supply is available on site. Suitably sized & quantity of hoses are to be used to fully dampen the building during construction & demolition & a stockpile being created or transported. Sufficient personnel shall be available to carryout this task to maintain fully dampened material.

Dust Suppression during Construction Generally;

Wheel wash facilities will prevent dust & dirt migrating onto the highway. 1 road sweep a day with additional road sweeping to be undertaken when necessary to enure highway remians clear of debris.
Roads to base will be constructed at the initial stage of construction to minimise dust & dirt migrating via transport.

360 degree tracked machine with grab during Demolition;

Machinery to be in good working order maintained with all silencers in place.
Demolition grab and machine to be used by competent person grabbing materials of sensible load sized preventing falling debris by premature collapse.

Petrol Disc Cutters during Demolition, Groundworks, Bricklaying & Roof Tiling;

Disc cutters are anticipated to be used during theses processes however should be used as a last resort and for as minimum a duration as possible. When disc cutters are used they should always have a water supply connected and working with the machine. All cutters shall be fit for purpose and fully maintained with only competent persons using. Cutters are to have silencers and be rated no more than 100db (A) however levels of use and noise shall be monitored with adequate breaks required as stipulated by HSE "The Noise at Work Regulations 2005".

Air Tools & Compressors;

These shouldn't be required, however if required alternative electric tools can be sourced. If in the event that there is no alternative sufficient breaks in using the tools should be monitored.

Hand Tools & Battery Tools;

To be used in preference to engine powered tools. No need for generators to be used as full 240v power reduced to 110V is available on site.

Lorry Delivery Types & Frequency

Deliveries include for vehicles covering groundworks and superstructure works from demolition through to final landscape works.

Month 1-7: 4 x 6/8 Wheelers per day, 1 x rigid lorry per day, 2 x arctic lorries a week.
Months 7-13: 4 x rigid lorries per day, 1 x box van a day, 3 x arctic lorries a week.
Months 13-18: 4 x 6/8 Wheelers per day, 1 x rigid lorry per day, 3 x box van per week, 1 x arctic per month
Months 18-24: 1 x 6/8 Wheeler per day, 3 x rigid lorry per week, 2 x box van per week, 1 x arctic per month

Vehicle routing: Leaving the M27 at Junction 8 (Bursledon) take the A3024 to Windhover Roundabout. Take the A3025 (Hamble Lane) South and after the second roundabout turn right into Portsmouth Road. Take a left onto Grange Road going straight over the junction with Woolston Road. Proceed over the railway bridge and the site entrance is on the right.

In order to ensure site traffic takes the designated route and does not end up in residential areas, adequate temporary signage will be located at the junction of Grange Road and Portsmouth Road informing drivers to turn left as well as a sign at the junction of Grange Road and Woolston Road directing drivers straight over the junction to the site entrance.

Sub-contractors and Suppliers will be provided with this routing to ensure all deliveries arrive and leave in this direction. They will also be informed to ensure no deliveries occur before 8.00am and after 18.00pm on weekdays and before 8.00am and after 13.00pm on Saturdays. This will all be monitored and enforced by our site manager.

On-site roads will be built up to base early within the works and an on-site one way system will be installed to negate the requirement for construction traffic to turn on site and enable them to leave in a forward motion.

All vehicles will in general leave site by driving out forwards, if in the rare event large vehicles need backing out due to their size, these will have 2 banksmen in attendance to manage the traffic and pedestrians when leaving site.

Temporary Traffic Management

All road opening licences will be applied for by the ground worker carrying out the works, letters will be sent to residents in advance of any works starting with statuary notices being posted on signs advising the public of upcoming works all as will be agreed prior to works taking place.

Parking

All construction and visitor parking will be on site. Areas of road and driveway areas will be utilised on phases that arent under construction at that time. Site personnel will park on site in the designated parking areas. No site staff will be permitted onto site until 7.45am (other than the site manager from 7.30am) and this will be communicated to them at pre-start meetings. It will also be relayed to them that under no circumstances work start on site before 8.00am and that no parking is permitted in the residential area.

Security and lighting

PIR wireless alarms to site accommodation and plots monitored by Southern Monitoring and Cobra Security.
Hoarding and fencing will be erected as shown on the drawing. 2.4m high timber hoarding will be erected to the Southern Boundary. Whilst this is not specifically designed for noise control purposes it is being utilised in this location to assist with the reduction of noise where we are in close proximity to residential properties.

The security light shown on the site office will be for on site use only (when the site office is in use early in morning and late in the day and daylight hours have ceased. We will be using PID security systems on site and these have lights but are only activated if and when they detect trespassers on site. If additional lighting is required as a security measure then these will be shielded to prevent light spill into the neighbours to the south.

Pollutants

All fuel is to be stored within bunded fuel tanks and stored within designated areas defined on the drawing. Chemical containers are to be stored within a designated container adequately signed. The locations of both fuel and chemical and are not to be stored adjacent to any watercourses. We will position static plant away from watercourses and utilise drip trays where there is a pollution risk. Through site inductions, site staff will be informed that no fuel of chemicals are to be poured into drains / gulleys etc.

Waste

Waste material must be disposed of correctly in accordance with the Site Waste Management Plan. All waste should be segregated where possible and designated skips will be provided. All hazardous waste will be disposed of in the correct manner and sent to a licensed tip.

Public Consultation

All neighbouring properties will be sent a residents notification letter with copy of site plan and basic programme of works. Emergency contact details and contact details for Site Manager, Contracts Manager and Construction Director will be included. Any concerns can be raised and dealt with as appropriate. This information will also be displayed on the gates to the site.

Notes:-

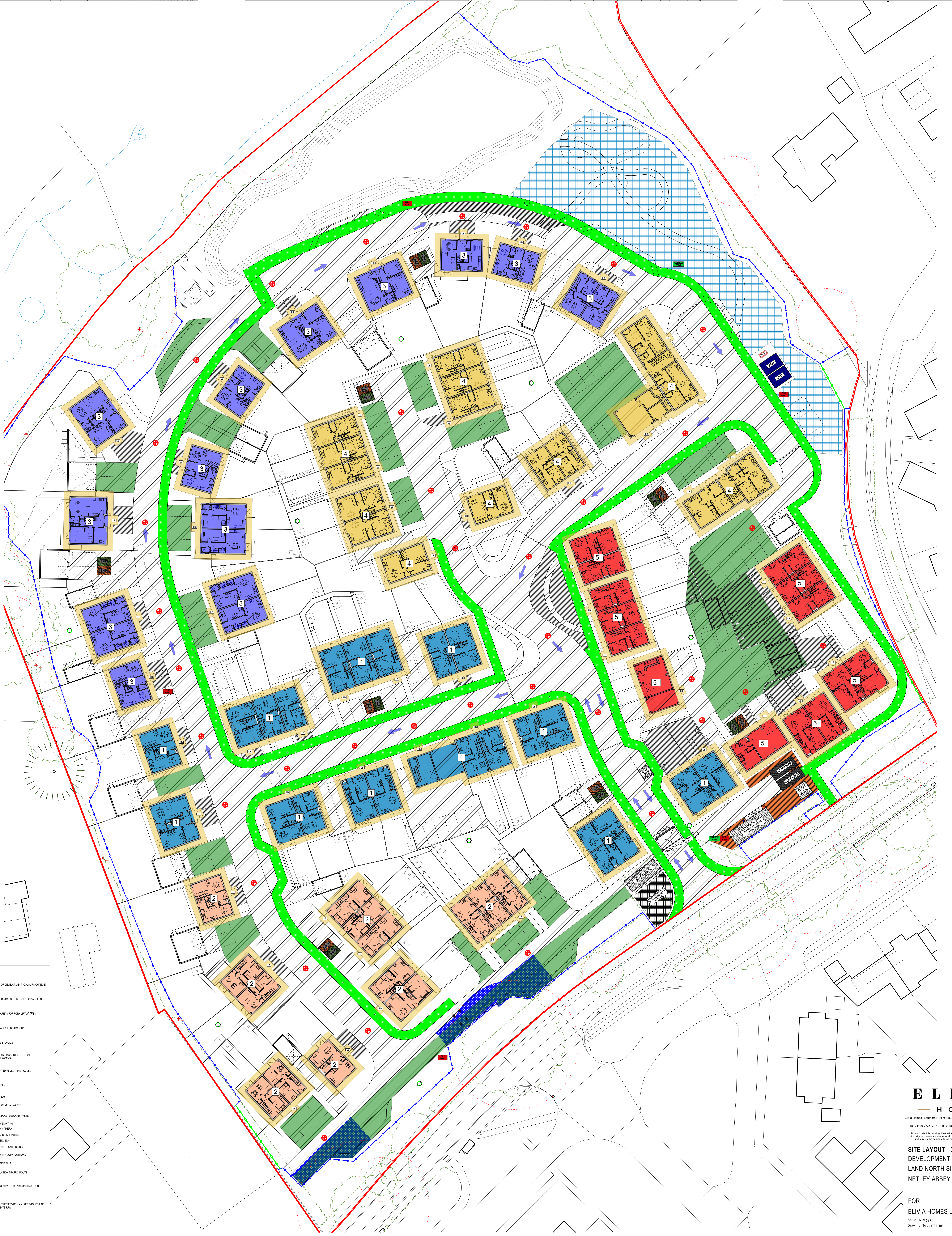
1. All deliveries will be by the main site entrance off of Grange Road. Materials will be offloaded and moved to a suitable storage area.

2. A pressure washer will be available adjacent to the site entrance. Prior to leaving site, all vehicles will have their wheels assessed by a nominate operative to see if cleaning is required. If so then all wheels will be washed using the pressure washer. This operative will also be responsible for cleaning the road, should it be required, as well as removing any debris that might fall onto it.

3. Boundary fencing to be erected prior to groundworks.

4. A condition survey of the immediate vicinity of Grange Road will be carried out pre & post construction.

5. All roads to be completed to base for access.



1	PHASING OF DEVELOPMENT (COLOURS CHANGE)
▨	PROPOSED ROADS TO BE USED FOR ACCESS
▨	STONED AREAS FOR FORK LIFT ACCESS
▨	TARMAC AREA FOR COMPOUND
▦	MATERIAL STORAGE
🟩	PARKING AREAS (SUBJECT TO EACH PHASE OF WORKS)
🟩	SEGREGATED PEDESTRIAN ACCESS
🟨	SCAFFOLDING
LB	LOADING BAY
SKIP	SKIP FOR GENERAL WASTE
SKIP	SKIP FOR PLASTERBOARD WASTE
●	SECURITY LIGHTING
●	SECURITY CAMERA
—○	SITE HOARDING 2.4m HIGH
—○	HERAS FENCING
—○	TREE PROTECTION FENCING
○	PID SECURITY CCTV POSITIONS
⊕	CRANE POSITIONS
→	CONSTRUCTION TRAFFIC ROUTE
▩	NO DIG FOOTPATH / ROAD CONSTRUCTION
○	EXISTING TREES TO REMAIN. RED DASHED LINE REPRESENTS RPA

ELIVIA
HOMES

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SITE LAYOUT - SITE WIDE ELEMENTS
DEVELOPMENT AT:
LAND NORTH SIDE OF GRANGE ROAD
NETLEY ABBEY

FOR
ELIVIA HOMES LIMITED
Scale : NTS @ A0 Date : NOV 22
Drawing No : 04_21_103