



CONSTRUCTION MANAGEMENT PLAN

Shell Fairfield

585 Basingstoke Road

Reading

Berkshire

RG2 0TA

Issue	Description	Prepared By	Signed	Date
1	Planning Document	D Dunlop		16/12/2019
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APPENDICES

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1 Description of Works

The works proposed in the scope of this project are a full Knockdown and Rebuild (KDRB) works include but not limited to the removal/demolition of the existing shop building, existing canopy, breakout and remove the existing underground storage tanks, fuel infrastructure and pump islands, canopy bases and existing interceptor. Install new underground storage tanks, fuel system, new canopy, petrol interceptor, new sales building and adjust existing kerb lines as per the submitted architects design drawings.

The ground support system required as part of the underground storage tank installation will be driven into the ground by means of an excavator mounted vibrating pile hammer, the forecourt surfaces will be broken out by means of 360o excavator and breaker attachment, all waste streams will be removed from site by hauliers in possession of the suitable carriers licence for the waste being removed and recycled where possible.

The site will be fully enclosed by means of HERAS fencing around the perimeter of the site, the site will be fully closed for the duration of the project.

The purpose of the CMP is to manage and mitigate any potential impacts resulting from the construction process in relation to developing and refurbishing the site.

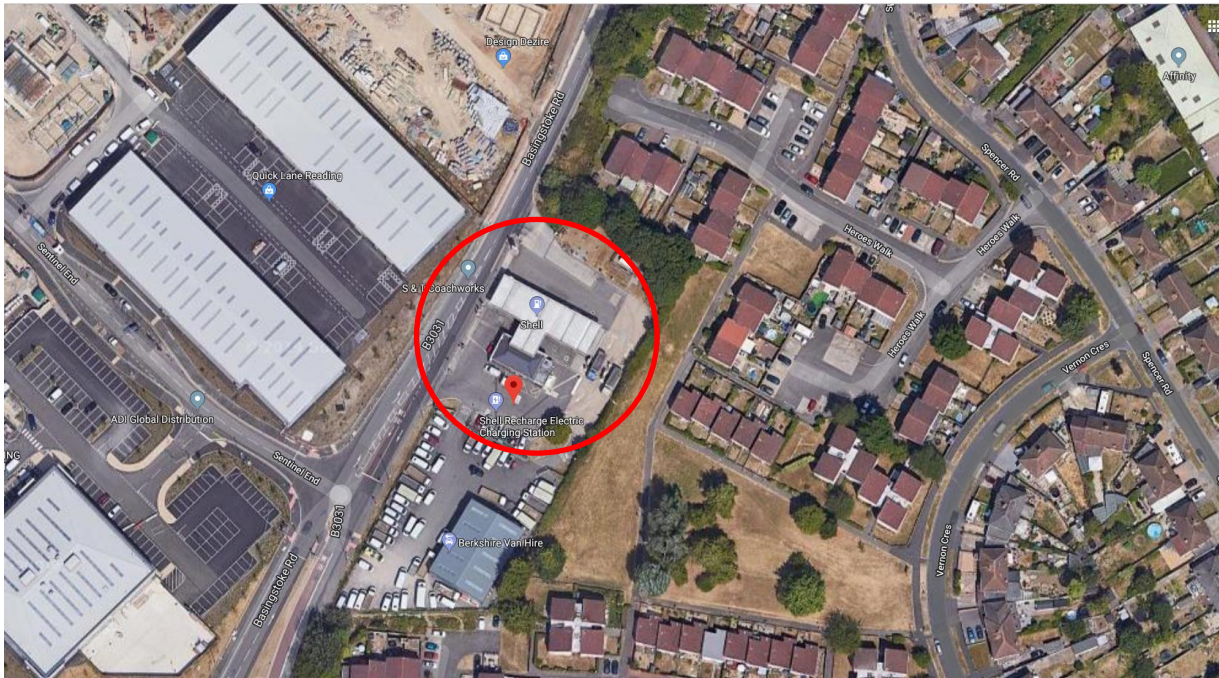
2 Contractor Details

Fox Construction project management contact details

Table 1.

Name	Position	Contact Number/s	Email
Donald Mackenzie	Quantity Surveyor	01236 754301	dmackenzie@foxconstruction.co.uk
Mark Campbell	Contracts Manager	01236 754301	mcampbell@foxconstruction.co.uk
Douglas Dunlop	Company HSSE Manager	01236 754301	ddunlop@foxconstruction.co.uk

3 Project Location



The project is located on the B3031 Basingstoke Road, the site is currently operating as an Shell Petrol Filling Station, the site will be closed for the duration of the works therefore no customer traffic will be a consideration in the plan.

The site shares a “right of way” with the vehicle rental business, temporary access and egress has been agreed with the adjoining business and is reflected in the site set up layout plan included in this document.

To the North boundary of the site, there are residential dwellings, to the South boundary there are commercial premises, the West boundary is bound by B3031 Basingstoke Road and the East boundary is bound by a grassed area then into residential dwellings.

All traffic will access and egress the site via the B3031 Basingstoke Road.

4 Transportation & Traffic Management

Traffic management procedures are imperative for the efficient handling of materials and waste for the project, but also to ensure effective management of vehicles, passing traffic and pedestrians. The traffic management plan will be monitored and controlled by the site manager and reviewed/amended when site specific conditions and or activities dictate, the revised plan will be displayed on site and communicated to all on site prior to the changes/amendments being implemented.

Of loading, set down and storage areas will be allocated by the site manager and selected areas segregated for the sole purpose of receiving plant and materials, separate loading areas will also be allocated and set up for the purpose of removing spoil arising from site activities.

All deliveries will be received on a timed delivery basis set out by the site manager and communicated to all suppliers at the time of order with a further reminder by phone by the site manager prior to the delivery time and date, at this time the site manager will confirm the access and egress arrangements and the driver induction process. The site will ensure all delivery and set down areas are in place to accept the delivery and a traffic marshal/banksman will be stationed at the vehicle entrance gate at the allocated delivery time to supervise the delivery vehicle onto site and ensure no congestion on the public highway.

Any unannounced deliveries will be turned away from site and an alternative delivery date and time agreed with the parties responsible.

All waste, plant and materials will be loaded and unloaded within the confines of the site, and controlled by the site traffic marshal and or banksman. An area of hard standing will be maintained throughout the project to eliminate/reduce the potential for vehicles to come into contact with any source of mud/silt that could be carried onto the public highway, in the event that a vehicle comes in contact with such a source a jet wash will be available on site to clean down the wheels of such vehicles prior to it egressing the site and accessing the public highway.

Where lifting operations are to be undertaken in the course of any onsite activities a full lifting plan will be implemented, in the case of canopy works this be the responsibility of the canopy contractor to formalise and implement, in the case of tank lift and installation the lift will be carried out by a specialist crane company as a contract lift.

In relation to construction vehicular movements the anticipated movements are as follows:

- Stage 1 – Site set up;
 - Welfare cabin delivery vehicle, ridged vehicle with crane attachment on site for approximately 2 hours
 - HERAS fence delivery vehicle, ridged vehicle with crane attachment on site for approximately 1 hour
- Stage 2 – Canopy dismantle/removal;
 - MEWP delivery vehicle, on site 30 minutes
 - 60 to 80 Ton crane on site 8hours
 - Articulated uplift vehicles, on site 4 to 6 hours
 - Skip delivery/uplift vehicles X2 on site 30 minutes/visit
- Stage 3 – Breakout and remove existing underground storage tanks
 - Fuel and tank bottom uplift tanker vehicle, 1 X Articulated road tanker, 1 X rigid vacuum tanker on site 4 to 6 hours
 - Articulated road tanker X 2, water fill tanks, both on site 8 hours
 - Articulated plant delivery Low Loader X 2, on site 30 to 40 minutes respectively
 - Muck/Concrete away 8 wheel tippers, 4 to 6 loads/day, on site 15 minutes /load
 - 8-wheel tippers delivery vehicles, backfill material 6 to 12 loads/day, on site 15 minutes/load

- Stage 4 – Knock down of sales building;
 - Articulated low loader vehicles X 1, on site 1 hour to deliver and then to uplift
 - Segregated waste uplift 8-wheel RoRo skip lorries, 4 to 5 loads/day, on site 15 minutes /load

- Stage 5 – Installation of new underground storage tanks;
 - Ground support system delivery/uplift, articulated vehicles X 2, on site 4 hours
 - Muck away 8 wheel tippers, 4 to 6 loads/day, on site 15 minutes /load
 - Concrete pump on site 8 hours
 - Concrete delivery vehicles 4 to 5 loads/day, on site 20 to 30 minutes respectively
 - 80 to 100 Ton Crane, underground storage tank offload on site 4 hours
 - Articulated tank delivery vehicles X 2, on site 1 hour respectively
 - 8 wheel tippers delivery vehicles, backfill pea gravel tank surround 6 to 12 loads/day, on site 15 minutes/load

- Stage 6 – Erection of new sales building;
 - MEWP delivery vehicle, on site 30 minutes
 - 60 to 80 Ton crane on site 8 hours for two to 4 days
 - Articulated Delivery vehicle, on site 4 hours

- Stage 6 – Canopy install;
 - MEWP delivery vehicle, on site 30 minutes
 - 60 to 80 Ton crane on site 8 hours
 - Articulated Delivery vehicle, on site 4 hours

- Stage 7 – Kerbing & Concrete works;
 - Articulated Delivery vehicle, Kerbs, on site 1 hour
 - Articulated Delivery vehicle, Mesh, on site 1 hour
 - Concrete pump on site 4 to 8 hours/day
 - Concrete delivery vehicles 4 to 5 loads/day, on site 20 to 30 minutes respectively

Objective	To manage construction vehicular movements with the potential to impact on site personnel, passing traffic, pedestrians		
Actions	Requirements	Responsibility	Timing
	All plant and vehicular movements will be supervised	Site Traffic Marshal and or Banksman	Throughout construction works
	Site traffic management plan to be updated as works progress	Site Manager	Throughout construction works

	Deliveries to be allocated a time to avoid build-up of traffic on site and or on public highway	Site Manager	Throughout construction works
Performance Indicators	No complaints regarding traffic movements from workers / neighbours / community members	Site Manager	Throughout construction works
Monitoring	Visual monitoring and complaint based monitoring	Site Manager	Throughout construction works
Reporting	Reporting to Fox site manager	All staff	Throughout construction works
	Reporting to HSSE Manager	Site Manager Contracts Manager	When complaints have been received
Corrective Actions	Introduce further control measures with immediate effect	Site Manager	As soon as monitoring indicates a potential failing in current process
	Send any unannounced deliveries away from site if they cannot be easily accommodated	Site Manager	If there is a potential for the delivery or vehicle to cause any obstruction

5 Site Specific Environmental Issues

5.1 Air Quality

All construction and demolition process with the potential to generate dust will be controlled by means of mist spray water suppression, all excavated materials will be removed from site rather than stored on site to further reduce the potential sources to create dust, when conditions are dry/windy the site will be sprayed with water to control the dust taking care not to cause muddy conditions in the loading and unloading areas, all plant and equipment will be maintained to ensure there is not excessive pollution created through dirty exhaust emissions

Objective	To manage construction activities with the potential to impact on air quality		
Actions	Requirements	Responsibility	Timing
	Water will be used for dust suppression	Site Foreman	Throughout construction works
Performance Indicators	No complaints regarding dust from workers / neighbours / community members	Site Manager	Throughout construction works
Monitoring	Visual air quality monitoring and complaint based monitoring	Site Manager	Throughout construction works
Reporting	Reporting to Fox site manager	All staff	Throughout construction works
	Reporting to HSSE Manager	Site Manager Contracts Manager	When complaints have been received
Corrective Actions	Introduce further control measures with immediate effect	Site Manager	As soon as monitoring indicates a potential failing in current process

5.2 Noise

Due to the nature of the proposed works it is unavoidable that there will be a degree of noise generated from the process's required to carry out these works, the activities referred to are but not limited to demolition works, breaking out existing concrete encased underground storage tanks, breaking up existing forecourt surfaces, breaking up and removal of concrete canopy foundations, installation of ground support system.

The afore mentioned activities will be controlled by limiting the onsite activities to within the normal working hours of 8.00-1800 hours Monday to Friday (inclusive) 9.00-13.00 hours Saturday and not at any time on Sunday or bank holidays

All plant and machinery will be fitted with silencers to the exhaust system and maintained to a standard ensuring peak performance and operation.

Objective	To appropriately manage noise during construction activities to minimise impact to workers, neighbours and community members.		
Actions	Requirements	Responsibility	Timing
	All significant noise generating activities will be undertaken between Mon-Fri 8.00am to 6.00 pm Saturday 8.00am to 1.00pm and not on a Sunday or bank holiday	Contracts Manager Site Manager	Throughout construction works
Performance Indicators	No complaints regarding noise from workers / neighbours / community members	Site Manager	Throughout construction works
Monitoring	Noise monitoring and complaint based monitoring	Site Manager	Throughout construction works
Reporting	Reporting to Fox site manager	All staff	Throughout construction works
	Reporting to HSSE Manager	Site Manager Contracts manager	When current control measures no longer meet requirements

Corrective Actions	Stop work activities and introduce further control measures or seek alternative method of working	Site Manager Contracts Manager HSSE Manager	When current control measures no longer meet requirements

5.3 Hazardous Substances

All hazardous substances required on site to carry out the proposed works will be accompanied by both the product MSDS information sheet and a COSHH assessment, separate lockable bunded storage chests will be supplied for Chemical based (yellow chest) and flammable (Red chest) substances with quantities kept down to a minimum for one to two days stock at any one time. In the case of diesel storage for all plant and machinery a lockable self bunding bowser will be on site, drip trays will be available and used for refuelling process with a fully stocked spill kit positioned in the refuelling area at all times.

Objective	To manage the storage of Hazardous Substances and construction activities with the potential to cause contamination.		
Actions	Requirements	Responsibility	Timing
	All hazardous substances will be stored in bunded, lockable storage with MSDS's kept nearby	Site Manager Site Foreman	Prior to materials arriving on site Throughout construction works
Performance Indicators	No spills,	Site Manager	Throughout construction works
Monitoring	Hazardous substance storage areas and spill kits will be inspected on a routine basis	Site Manager	Throughout construction works
Reporting	All spills to be reported to Fox site manager	All staff	Throughout construction works
	Spillages, leaks, improper use and or storage to be reported to HSSE	Site Manager	Throughout construction works

	Manager		
Corrective Actions	Employ more supervision at refuelling areas if frequent spills are reported	Site Manager	When indicators highlight shortfalls
	Re visit process if trends develop	Contracts Manager Site Manager HSSE Manager	If spillages persist

5.4 Contaminated Soil

The initial soil classification for this project will be taken from the Geo-environmental Investigation report produced and issued by the environmental consultant, although, this is qualified by reference to further classification testing required in the areas unobtainable due to installed infrastructure at the time the investigation works were undertaken. Where any further testing is carried out and re classifies the soil as hazardous an appropriate disposal site and haulier will be engaged to remove this material under an E A (Environmental Agency) hazardous waste consignment note.

All imported materials will be quarried materials accompanied by a chemical analysis certificate other than any specified by the client / designers

Objective	To manage construction activities with the potential to cause or disturb contaminated soil.		
Actions	Requirements	Responsibility	Timing
	No fill material will be imported to site unless accompanied by certificate of conformity	Quantity Surveyor Contracts Manager Site Manager	All proposed materials for import to be checked at time of ordering
	No Haz materials removed from site unless accompanied by completed EA consignment Note	Site Manager Site Foreman	Throughout construction works
Performance Indicators	No evidence of contaminated soil on site	Site Manager Site Foreman	Throughout soil removal works
Monitoring	Additional contamination sampling	Site Manager & Environmental Consultant	At time of excavation

Reporting	Reporting to Fox site manager and	All staff	Throughout soil removal works
	Report to Contracts Manager, HSSE Manager	Site Manager	Throughout construction works
	Report to client	Contracts Manager HSSE Manager	Where further contamination has been detected
Corrective Actions	Carry out additional sampling	Site Manager & Environmental Consultant	Throughout construction works
	Source disposal site, Licenced Haulier, EA documentation	HSSE Manager Site Manager	Where hazardous soil has been encountered

5.5 Waste Management

The movement of all waste leaving site will be controlled by and recorded in the SWMP (site waste management plan) *Appendix A*. Waste streams will be segregated and disposed of by licenced waste disposal contractors/hauliers to disposal sites appropriate to each waste stream. No burning of any materials will be undertaken on site at any time

Objective	To appropriately manage waste during construction activities.		
Actions	Requirements	Responsibility	Timing
	Appropriate waste receptacles will be provided on site	Site Manager	Prior to and throughout works
	All waste movements to be recorded in SWMP	Site Manager	Throughout the project
	Appropriate disposal facilities and hauliers to be sourced and appointed	Quantity Surveyor	Prior to commencement of project
Performance Indicators	No waste refused or sent back from disposal facility	Site Manager	Throughout removal works
Monitoring	Waste receptacles will be inspected daily and emptied when full	Site Manager	Throughout the project
	Waste transfer notes checked	Site Manager	Throughout the project

Reporting	To Fox site manager	All staff	Throughout construction works
	To Contracts Manager	Site Manager	Throughout construction works
Corrective Actions	Remove waste on a regular basis to avoid any build up	Site Manager	Throughout construction works
	Re classification of any returned loads	Site Manager & Environmental Consultant	When loads refused at tip/disposal facility

Appendix A – Site Waste Management Plan Template (SWMP) *Blank*

Blank copy can be supplied under separate cover if required

Appendix B – Site Layout Plan

