J Mc DAID Groundworks Ltd

METHOD STATEMENT AND RISK ASSESSMENTS

CLIENT: MR & MRS BLOOMER – Planning Ref APP G51 80/W/17/3179434

CONTRACT: 24 DOWNS HILL BECKENHAM, BR3-5HB

DEMOLITION & RECONSTRUCTION WORKS

(this document to be retained on site – all operatives to be briefed accordingly)
Method Statement: DH01 (REV 00) 08/12/17

Information Prepared by:
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Rev No:	Date	Reviewed by	Note:	Signed Off
00	08/12/17	JMD	Initial rev	MF

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1.0 **SCOPE OF WORKS**

The work consists of the demolition of the existing brick built detached property as per the photograph below:

Followed by the construction of a new detached property constructed from a SIPS Panel structure.

The works will then continue with the superstructure fit out works works which will be covered under a separate MSRA.

Included with the works will be the formation of a new sewer connection works and enabling works for the statutory authorities.

The surrounding buildings on each site are currently occupied and therefore their safety will need to be taken into consideration when undertaking the works.

The site is an independant new development and therefore special precautions will have to be taken to ensure that the occupants and the public are not put at risk.

PRINCIPAL CONTRACTOR will be J.McDAID GROUNDWORKS Ltd (JMD) and MR & MRS BLOOMER as CLIENT

The works will be undertaken as per the latest drawings from the Architect & Structural Engineer

The New Build Ground and floor plans are as per drawing extracts below:

SEQUENCE OF WORKS

- Set Up Site – Including Welfare.
- Locate services and protect
- Install Mains Drainage & Services
- Demolish existing House
- Break out Existing Foundations
- Excavate and cast Footing and/or Ground Beam foundations
- Install new Ground floor slab
- Erect Perimeter Scaffold
- Erect SIPS Panels
- Construct Roof
- Install External Cladding
- Internal Works.

2.0 **ATTENDANCES BY CLIENT**

The following attendances will be required from CLIENT:

1. Access to the works.

2. Spoil disposal points at reasonable distances from the works.

3. Background/access lighting. – BY JMD

4. 110v power and water supply.

5. Storage areas on site.

6. Liaison with Statutory Authorities.

7. Security of site.

8. Setting out points and level datums.

9. The provision of all existing services drawings and location where known, we will CAT scan for unknown services. Services Drawings by CLIENT area surveyed by JMD

10. Health, Welfare and First Aid Facilities. – BY JMD

11. ASBESTOS SURVEY of BUILDING - TO BE UNDERTAKE PRE CONTRACT

3.0 **SELECTION OF PLANT**

J. McDAID GROUNDWORKS LTD will provide all necessary plant to carry out the works. This will include disc-cutters and electric and compressed air breaking plant. All operatives using mechanical plant will have the required training and/or certification. The plant will also have its certification checked before use. Weekly checks recorded under PUWER as required.

Excavation works will be undertaken by tracked excavator 3t-13t operated by correctly erected by trained operatives.

All plant and equipment will be checked and certified fit for use prior to use on site.

4.0 **METHOD STATEMENT**

GENERAL

1. The site working hours will be limited to:
0800-1800 MONDAY-FRIDAY
0800-1300 SATURDAY
NO WORK ON SUNDAY or PUBLIC HOLIDAYS

2. Deliveries will be limited to the times above with only one delivery vehicle allowed within DOWNS HILL at a time. All deliveries will be unloaded within the boundaries of the site (TRAFFIC MANAGEMENT).

3. All materials will be transported/handled by Forklift or by Excavator.

4. Spoil will be removed by loading into Standard Construction Lorries.

5. All Plant & Materials will be stored within the boundary of the site.

6. The area will be surrounded by HERAS PANELS and/or Chapter 8 Barriers and the necessary Signs (provided and erected by J.Mc Daid Groundworks) which shall maintain the security of the area both during the working day and after hours. Individual areas will be similarly protected. (see traffic management).

7. The existing services information will be provided by the client and JMD will undertake excavations in accordance with HSG 47 – Avoiding Dangers from Buried Services. (i.e. The Client must provide services information) before the commencement of our works.

8. The area around the work area will be used as and when required. There will be a need to use the road for access to our works and therefore all vehicles will be escorted into the site from the highway – use of traffic marshals.

9. All unloading and loading will be across a right of way therefore traffic marshals will be required at all times to protect the public. Where possible vehicles will be unloaded within the works to avoid vehicles being in the road whilst unloading.

10. Copy of our Public Liability insurance has been provided. Cover will be taken for Public Liability of £10m. (this will be a highways requirement – additional cover taken as required)

11. Dust will be kept to a minimum by means of work methods or dust control measures such as the use of sprinklers – to be assessed as work proceeds.

12. All personnel will be suitably trained for the tasks that they are to undertake. All operatives will be Health and Safety trained and CSCS card holders.

13. A copy of our Health and Safety Policy has been issued which gives our organisational chart for our company.

14. We will abide by good environmental practices for the contract. The environmental impact of this project should be minimal but we will undertake measures to reduce the effects of mud, dust and noise by controlling our activities and will ensure that all chemicals are stored and used in accordance with our COSHH assessments and care will be taken to ensure that no chemicals are released into the ground.

15. J.McDaid Groundworks Ltd's is a member of CONSIDERATE CONTRACTORS and will abide by the rules for operating a Considerate Site.

16. MOBILE PHONE POLICY – no mobile phones will be allowed to be used on site, all operatives to use designated areas to use mobile phones. All operators of safety critical plant to have mobile telephones switched off when operating the plant.

17. Monitoring of HAND ARM VIBRATION: There will be instances of operatives using vibrating hand held plant. The site manager will have register of the plant and the limits of use and will monitor and record in our documentation the use by each individual operative on a daily basis – these documents will be in line with HSE requirements and available for inspection.

18. COMMUNICATION: As required two way radios will be used on site for management communication and communication with safety critical plant operators such as concrete pump drivers.

19. CERTIFICATION: All operative and plant certification will be issued and kept on site JMD own site management prior to commencement on site.

20. INDUCTIONS – to be by JMD and existing building occupiers as required by them to take place Prior to Commencement.

21. ASBESTOS AWARENESS – operatives to have UKATA Asbestos awareness training.

22. SITE WELFARE to be set up on site in compliance with CDM-2015

5.0 TRAFFIC MANAGEMENT WORKS

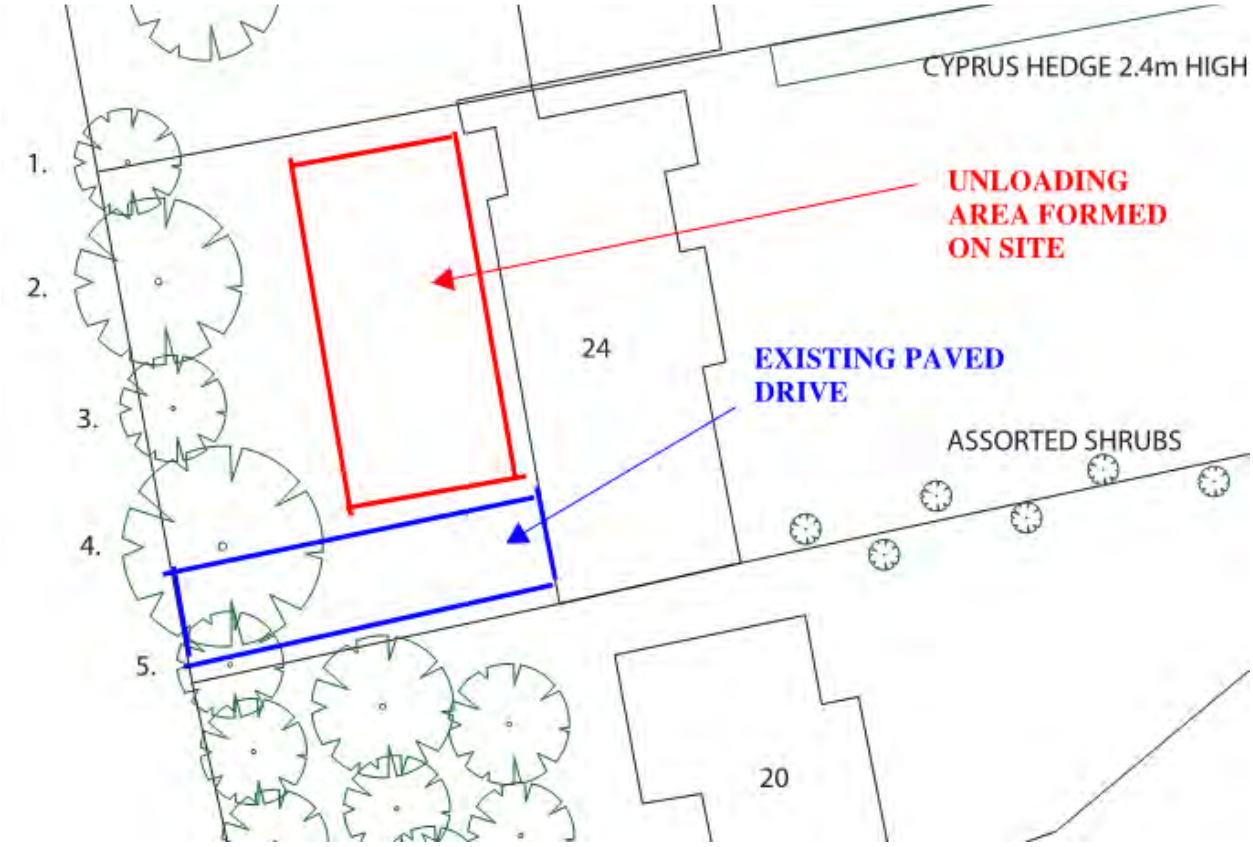
1. There has not been a Traffic Management Plan submitted to J.McDaid Groundworks Ltd.

2. The access to the site will be via DOWNS HILL, through the existing road and access to site, which is a busy and subject to parking both sides. The Road is shared with others and therefore vehicles movements will be managed accordingly.

3. All lorries entering the Road will require a banksman and will be required to contact the foreman before entering the area. At least operative will guide the vehicle and will be aware of other vehicles and pedestrians.

4. The area to the front of the site as per the picture below will be levelled and added with a layer of compacted TYPE 1 Material to make a clean access area:

5. The drive is paved currently and will be extended for an unloading area as described above to form a hard standing for all deliveries as per plan below:



6. All delivery vehicles will remain on the paved drive and therefore will not be subject to any site mud or debris which will keep wheel clean.

7. Should there be a requirement for wheel washing the a jet wash will be deployed. Owing to the site sloping away from the road, a soakaway will be installed within the site to collect any dirty water.

8. The unloading area is generally busy, therefore deliveries in the early morning would be preferable, road marshalls are required at all time when crossing into the site.

9. The vehicles can be off-loaded or loaded adjacent to the site and will be parked so as to keep the road open. If during this process there is a risk of any objects falling into the Road the unloading will stop an operative will be posted to warn others.

10. On completion, prior to leaving the area an operative will act as a guide to the vehicle out of the Road.

11. Where at all possible delivery vehicles will be brought into site and offloaded within the site.

12. The Pedestrian access to the site will not cross the work area.

13. All operatives will be encouraged to use the local NETWORK RAIL Station to reach the site.

14. There will be no on site parking and parking within DOWNS HILL will not be permitted.

15. Visitor will be permitted to park adjacent to the site provided access for residents is maintained.

6.0 ENVIRONMENT MANAGEMENT – SPILLAGES

1. There cannot be any chemicals to enter the ground or water courses or drainage and site management will control the site activities accordingly.

2. **FUEL/OIL**: The fuel will be kept in a bunded tank or kept on a bund of at least 110%. Fueling will only be allowed in designated areas with spill kits available and fire fighting equipment. Any spillages will be contained and disposed of as contaminated material.

7.0 DUST CONTROL

1. See Separate Document – ENVIRONMENTAL MITIGATION MEASURES

2. **Dust** will be kept to a minimum by controlling adequately all works that could create dust.

3. The cutting of concrete will be wet cut and dry cutting of any masonry will also be prohibited.

4. The majority of works do not create any dust that can affect the public at large.

23. Therefore to mitigate this general dust a jet wash will be deployed to wash the surrounding site areas at the end of each day and especially during hot or dry weather. This course of action may also be required during the day.

24. Dust from wood cutting operations will be localised within a cutting area within the site itself and will have no effect on the building users or public. Dust Control will be via localised dust extraction via vacuum and collection bag attached to saw.

25. The plant used within the site will often be diesel operated and will create exhaust fumes, so all diesel plant will operate outside of the buildings.

8.0 WASTE MANAGEMENT

1. The WASTE from the site will be RECYCLED or RE-USED as far as possible.

2. With regard to demolition the WASTE MANAGEMENT will be as follows:

   MASONRY – Removed to crusher for Re-use
   TIMBER – Separated for recycling
   METAL – Separated for recycling
   WINDOW/DOORS – Salvaged for Re-use

3. All other debris will be removed via MAGUIRE SKIPS – who will use their recycling/transfer station to recycle as much material as possible and will issue Monthly reports stating their percentage of recycling.

9.0 ENABLING WORKS

4. The first operation will be to set out for the works.

5. The underground services will be checked in accordance with HSG 47, with Client supplying existing services drawings and JMD providing CAT Scan and trial excavations as necessary.

6. Any trial excavations will be undertaken by hand with 1000 of suspected live services using insulated electric tools.

7. The removal of any underground obstructions will be undertaken by electric or compressed air breakers. (once known that they are clear of existing services)

8. Barriers and plywood will be used to protect excavations during the works process.

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11. NON & STRUCTURE WORKS

1. JMD will have ensured that the work area has been checked for Asbestos Containing Materials prior to commencement.

12. Wall and floor finishes will be first removed using light electric breaker with blade attachments or hand breaking tools.

13. The heavy plant will be removed where possible by breaking down into smaller sections, by removing pieces before taking to ground level. Where possible manual handling will be removed and a hoist or winch in place.

14. The scaffold access will be provided by others, except for mobile scaffold towers up to 3500 platform height

15. The materials will be generally removed using hand tools, together with light electric breakers and disc cutters, working from top down.

16. The operatives undertaking the works to wear cut resistant gloves owing to cutting process, and risk of Weil's Disease.

17. Any holes in floor to lower level will be covered securely.

12.0 INTERNAL DEMOLITION WORKS

1. The existing structure internally will be stripped of non-load bearing wall elements.

2. The plaster boarding and partitions will be removed using hand tools and bagged immediately, operatives working from top down.

3. The existing studwork will again be removed using hand tools and by cutting studs using a hand saw.

4. The existing doors will be unscrewed where possible and then set aside for removal. If they cannot be unscrewed they will barred-off using a hammer and chisel to cause least damage.

13.0 STRIP OUT WORKS

1. The doors and door furniture will be removed using battery drivers and then carried by hand to the lift area.

2. The skirting and architraves will be removed using hammers and chisels and the use of nail bars. All nails will be removed with a claw hammer or bent over to prevent injury. All timber will be cut by hand saw to 2000 length to enable ease of movement.

3. The floor coverings will be removed by cutting up carpet and bagging up as work proceeds and removing any edgings with hammer and chisel.

4. The operatives will undertake the majority of the lifting operations and therefore manual handling assessments will be required and recording methods will be put in place.

5. The operatives will wear appropriate gloves at all times.

6. Care will be taken when removing materials owing to dust – operatives to wear FFP3 face masks when mixing.

7. The work to be supervised at all times by a competent foreman.

14.0 EXTERNAL DEMOLITION

1. The existing Building will be demolish by either taking down panel by panel using hand tools, or will be broken up using the 13t excavator and bucket. Then the excavator can break up further and place debris into the skip.

2. The boundary wall to No 20 will be maintained once demolition has been completed

3. The existing concrete slab will be removed using the excavator and breaker.

4. NOTE: The ground work to be undertaken as per HSG 47 – Avoiding Dangers from Underground Services – a CAT Scan to the Area to locate power cables especially.

5. The existing broken paving slabs will be lifted by hand and the area prepared for new paving slabs, the new slabs being laid on a sand bed and lifted in by hand using a tandem lifter for slabs over 450 square.

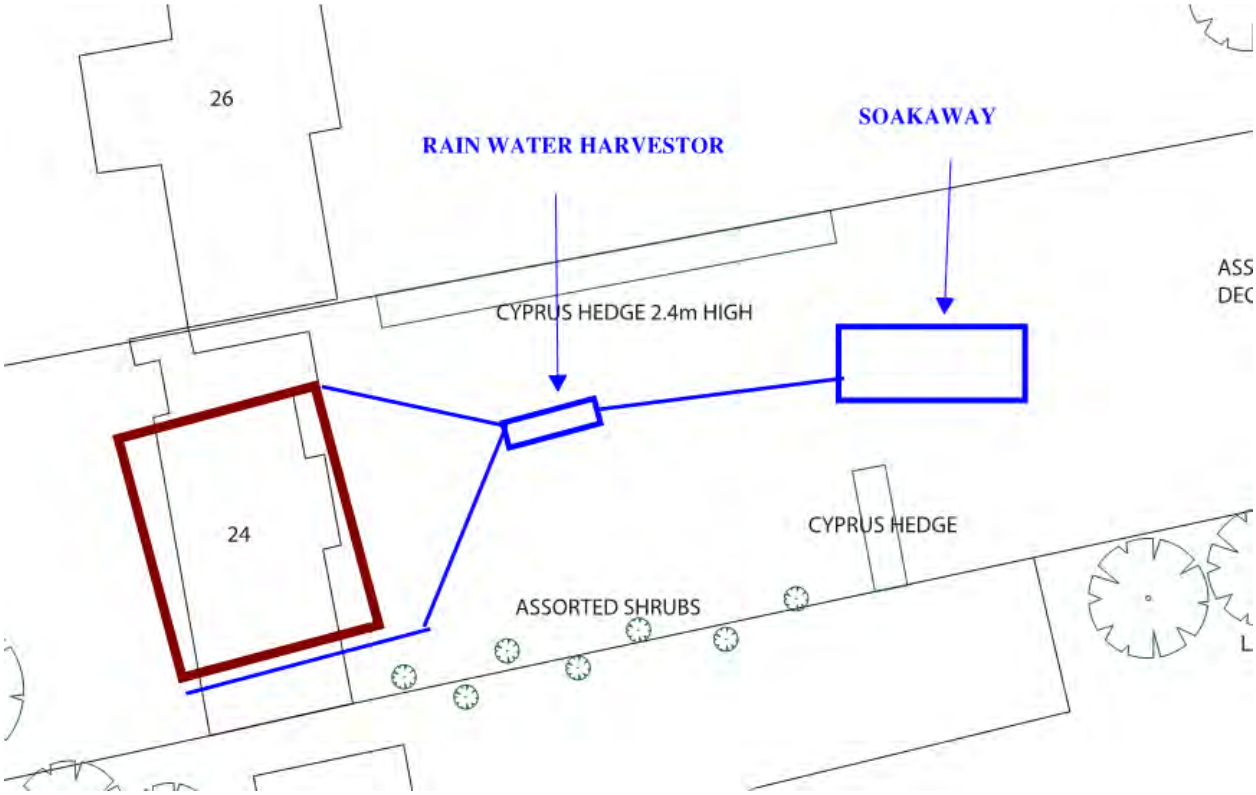
6. The operatives will undertake the majority of the lifting operations and therefore manual handling assessments will be required and recording methods will be put in place.

7. Care will be taken when cutting paving slabs, always wet cut – operatives to wear FFP3 face masks when mixing

15.0 DRAINAGE WORKS

1. The new building will be required to be served by drainage both foul and surface

2. The site slops from the building markedly from the rear to railway line at the bottom of the garden. Therefore all surface water drainage will be directed to rear garden via a RAINWATER HARVESTER and a SOAKAWAY. The layout TBC but largely as per plan view and picture of existing rear elevation below:



3. The main foul and surface water drainage flows around and through the work area.

4. The first operation will be to establish the run of the drainage and the exact location of the new gullies down pipes.

5. The new drainage must be first connected into the existing pipes which will require saw cutting and breaking out of existing concrete slab and hand excavation to discover the existing pipe. (where and if existing – if new sewer connection then requirement to leave drainage at boundary of site)

6. The existing flow will be blocked of or reduced to enable the pipe to be cut and a new junction installed.

7. The drainage trenches will be excavated and shored with trench sheeting – extent of which will depend on ground conditions and depth..

8. Once at formation the pipes will be lowered onto a bed of shingle, lined up and connected.

9. The drainage will be bedded and surrounded in shingle and then backfilled with compacted excavated material.

10. The new gullies will be set to level and the existing concrete slab reinstated.

11. There may be a requirement for the use of compressed air tools to excavate the ground if it is hard.

12. If ground water is encountered it will be pumped out using a 50 submersible pump.

13. There may be areas where the bed and surround to the drainage will be concrete, in areas where the drainage is shallow and traffic levels are high.

14. The services will be similarly laid.

15. Manholes along the drain run will be preformed plastic chambers bedded on concrete.

16.0 FOUNDATION WORKS

1. There is a requirement to construct ground beams between the piles which are undertaken by others – Or there will be a requirement for strip foundations – Currently awaiting Structural engineer designs.

2. The first operation will be to excavate to formation of the ground beams and install a concrete blinding.

3. The piles will then be scored with a disc cutter and diamond blade.

4. The concrete will then be cut out using electric or compressed air breaker.

5. Earthwork support material to be on site and used to support excavation as required by ground conditions.

6. The spoil will be removed by excavator and standard lorry.

7. The existing footings and features below ground will be preserved.

8. The works will have barriers around whilst taking place.

9. When left unattended and on completion the excavation will be covered by a plywood frame, which will be secured and marked “HOLE BELOW – DO NOT REMOVE”

10. The reinforcement cages will be prefabricated and lowered onto the piles prior to installing the formwork using either traditional timber and plywood or backfilled beamform.

11. The steelwork holding down bolts will be set up as templates and secured to the shutters.

12. The concrete will be compacted with internal vibrating pokers

17.0 GROUND SLAB WORKS

1. The ground will be reduced to formation level, by excavating the ground out in the area between the foundations.

2. The ground will be built up with a Type 1 or Hardcore subbase, minimum 150 thick and sand blinded.

3. A DPM will then be laid on the blinded sub-base.

4. The Mesh reinforcement will then be spaced off of the DPM in preparation for concrete.

5. The concrete will then be placed via the excavated and compacted with internal vibrating pokers.

6. The concrete will then be trowel finished.

7. In undertaking these works there is contact with concrete and therefore impervious PVC gloves will be worn and impervious trousers/jackets where working with concrete. All clothing contaminated with concrete to be washed off immediately.

18.0 STRUCTURAL WORKS

1. The SIPS Panels will be erected via a mobile crane sited within the site boundary subject to a LIFT PLAN.

2. The panels and floor will be erected from the scaffold or internal mobile scaffold towers.

3. The panels will be erected to complete the building envelope.

4. The roof finishes and cladding will then be fixed to the SIPS PANEL as per the architects’ details.

19.0 DRYLINING – WALLS

1. In general the walls will be drylined by fixing Metal Studs or Timber Studs to the walls by drilling and plugging to the required centres. Alternatively the stud work will be secured by head and floor tracks, with studs spanning in between.

2. The metal partitions will have bottom and top rails installed by fixing into timber with screws or plug and fixing with screws into concrete or brickwork. The metal studs and rails will be secured by drilling self tapping screws.

3. In general insulation will be installed behind the studs against party walls, or between the studs on internal walls.

4. In most cases the wall finishes will be firstly plywood screwed to the studs or planking plasterboard. This will then be followed by standard plasterboard of fireline board onto the plywood.

5. The boarding will generally be in standard size sheets and lifted by hand to be screwed to the studs or firings. The operatives using battery screw guns as necessary.

6. The operatives will undertake the majority of the lifting operations and therefore manual handling assessments will be required and recording methods will be put in place.

7. The walls are then generally taped and jointed and skimmed with a 3mm layer of site mixed finish coating. This will be mixed in a drum on site using an electric paddle. (this operation may be undertaken by others).

8. Care will be taken when mixing plaster or cutting plasterboards using the paddle drill owing to dust – operatives to wear FFP3 face masks when mixing.

20.0 PLASTERING WORKS

1. The plaster will be THISTLE BONDING and CARLITE BONDING to the walls finished WITH MULTIFINISH.

2. The plaster will be mixed by hand in a large drum or bucket or will be mixed via a paddle drill.

3. The walls will be checked for loose materials and that will be removed by hand prior to commencement.

4. Plastering will be hand applied in two or three coats allowing at least 24hr between coats (check with supplier/specification)

5. The basecoat will be A bonding mix and will be applied to the walls as required, left to cure before applying a finishing plaster. This will be hand applied by trowel.

6. There may be areas where only finishing plaster is required, and this will be bonded to the walls by and initial application of water with a PVA Adhesive mixed through it.

7. The operatives undertaking these works will wear full PPE to prevent breathing in lime dust and preventing contact with eyes or skin.

8. The access will be provided by and will be a hop-up towers up to 1500 platform height.

9. The materials will be generally cut and mixed using hand tools.

10. This system being checked by a competent person prior to commencement. This competent person to check the works at the beginning and end of each day – ensure left in safe condition if overnight.

11. Supervision by competent foreman at all times.

21.0 CARPENTRY & FINISHES WORKS

1. In general the specialist works will be undertaken by skilled subcontractors under their own MSRA.

2. The builders works, in fitting carpentry such as skirting architrave and first fix elements will be undertaken using hand tools and electric drills and cutting equipment – all operatives being trained in their use.

3. This will similarly be the case for the fitting of radiators and pipe work etc for the heating and water systems with joints all being mechanical. The use of hot work joints will only be as per permission of Principal Contractor.

22.0 PLUMBING & ELECTRICAL WORKS

1. The Plumbing works to be undertaken under specialists subcontractors MSRA.

2. The Electrical works to be undertaken under specialists subcontractors

23.0 FINAL WORKS

1. The final fixtures and fittings will be installed prior to decoration.

2. The services will be commissioned and handed over.

13.0 PROGRAMME OF WORKS

The works are planned to take place as follows:
Start on site to be agreed as MONDAY 15/01/18. The works should take a period of 12-16 weeks as part of an overall 24 week programme.

6.0 MANAGEMENT STRUCTURE

Our management structure for the undertaking of the above works is to be as follows:

JOE McDAID - Director
Mobile Telephone No 07779 169051
Responsible for safety, quality and production.

MALCOLM FURNISS - Safety Advisor
Mobile Telephone No 07988 629423

PAUL MOYNE - Site Manager
Mobile Telephone No 07946 944224

TOM RONAN - General Foreman
Mobile Telephone No 07799 036821

JACK NOONAN - General Foreman (where required)
Mobile Telephone No TBA

Any changes to the above will be conveyed to the client.

All operatives to have training and competency for undertaking tasks as required

It is envisaged that initially a crew of 4-6 operatives will commence the work, with a supervisor on site at all times. The number and types of operatives will increase as required by available work.
Site Hours will be 0800-1800 Monday to Friday

15.0 **HEALTH & SAFETY**

Overall control of Health and Safety on site rests with J.McDAID GROUNDWORKS LTD as PRINCIPAL CONTRACTOR who will be responsible for the specific safety arrangements and all necessary PPE for our works.
The following hazards have been identified and the risk assessments are as follows:

1. MANUAL HANDLING
2. TAKING DELIVERIES
3. EXISTING SERVICES.
4. WORKING WITH ABRASIVE WHEELS.
5. USE OF COMPRESSED AIR TOOLS.
6. PROTECTING THE PUBLIC.
7. STUCTURAL STABILITY
8. NOISE ASSESSMENT
9. EXCAVATION WORKS
10. ASBESTOS AWARENESS

As part of the training of the operatives the site foremen will be issued with a copy of this document and instructed to impart the information as necessary to the operatives. Generally this will be undertaken as part of the induction training, which should be given jointly between ourselves and the client to all operatives prior to commencement on site. J.McDAID GROUNDWORKS will undertaken monthly safety visits to ensure Method Statement and Risk Assessments are being followed.

PPE to be worn:-

Yellow High Vis. Jackets	-	at all times
Hard Hats	-	at all times
Protective Boots	-	at all times
Wellington Boots	-	when concreting
Goggles	-	when using Abrasive Wheels and Conc. Pump
Ear Defenders	-	when undertaking noisy operations (i.e. using breaking equipment or concrete poker)
Gloves (Rubber)	-	when concreting
Gloves (Canvas)	-	when manual handling

A Qualified first aider trained to at least EMERGENCY FIRST AID at WORK will be on site at all times when work is taking place. A 10 person FIRST AID KIT will be available on site at all times

RISK ASSESSMENT

KEY TO RISK ASSESSMENT

Risk are assessed by making a judgement about the severity and likelihood of an event occurring which constitutes the risk associated with the task. The following risk assessment has been carried out using the following descriptions for Severity and Likelihood.

Severity:

No Injury	1
Minor Injury	2
>3 day Injury	3
Major Injury	4
Death	5

Likelihood:

Almost Never	1
Seldom	2
Possible	3
Probable	4
Frequently	5

Risk Assessment Matrix:

The product of the severity and likelihood equates to the risk as per the table below. Low, Medium and High risk are defined as:

Low	1-6
Medium	7-12
High	13-25

		Severity				
		5	**4**	**3**	**2**	**1**
Likelihood	**5**	25	20	15	10	5
	4	20	16	12	8	4
	3	15	12	9	6	3
	2	10	8	6	4	2
	1	5	4	3	2	1

Risk Assessment

Nature of work: Drainage & Groundworks
Project: 24 DOWNS HILL, LONDON, BR3-5HB
Assessed by: Malcolm Furniss

Risk Assessment Number: 1
Project Number: 17224
Date: 08/13/2017

Activity	Hazard	Initial			Control Measure	Residual		
		S	L	R		S	L	R
Manual Handling Moving adjustable props, timber and associated materials around the site including up from excavations	Injury due to lifting/moving materials	4	5	20	Only lift weights you are comfortable lifting. Where possible avoid manual handling, use mechanical aid, use 2 men to lift/move material. Kerb lifting to HSE Requirements	4	3	12
Deliveries Taking delivery of materials, plant etc.	Injury due to moving vehicles	5	3	15	Ensure warning signs are in place where vehicles might be moving. Provide regular training (tool box talks) about the risks of moving vehicles. Vehicles to be fitted with reversing bleepers. Mobile phone policy. Hi-vis clothing.	5	2	10
	Falls from delivery vehicles	4	3	12	Operatives are not to go onto delivery vehicles unless there is a proper handrail in place, or by using fall arest block which must be secured at sufficient height above them to be effect.	4	2	8
	Crane offloading – crushing via HIAB	5	4	20	**See separate lifting plan – if required** Competent operator using the lorry mounted crane. Banksman Tethers on lifted plant/material.	5	2	10
Existing Services Working in area where existing services may be present	Damage to Services Injury through explosion (gas) or electrocution (electricity)	5	4	20	Client/PC to mark all services prior to works commencing Consult service plan prior to commencing works. Permit to dig system. CAT scan prior to excavation Scan prior to drilling holes in walls/floors. Services drawings provided by Client following HSG 47 Overhead cables remove if possible or set goalposts safe height from cables as per Electrical Suppliers Requirements. Hand Excavation within 1000 of extg , use of insulated tools	5	2	10
	Fire as a result of sparks	4	4	16	Hot Works procedures and permits system in use.Task fire extinguisher.Cut away from areas containing flamable materials.	4	2	8

Activity	Hazard	Initial			Control Measure	Residual		
		S	L	R		S	L	R
Abrasive wheels Cutting of reinforcement, concrete etc. with rotating blade cutter	Injury through debris in eyes	3	4	12	Training to ensure cutting debris being thrown away from face. Goggles	3	3	9
	Injury through disintegration of wheel	4	4	16	Training Use of correct wheel for the tool in use: diameter, width and bore diameter. Ensure wheel in attached correctly and tighted with the appropriate tool.	4	1	4
	HAVS	4	5	20	Monitor usage and record. Shift patterns and rotations to minimise exposure Daily usage not to exceed 400 HSE points Training	4	2	8
Use of Electric & Pneumatic Breakers Breaking concrete and finishes into pieces	Injury through debris in eyes	3	4	12	Use experienced operative, training Goggles	3	3	9
	Hearing Damage	4	4	16	Limit exposure through shift rotations etc. Undertake a noise assessment and remove sources of noise (compressor etc.) Use appropriate hearing protection	4	2	8
	HAVS	4	5	20	Monitor usage and record. Shift patterns and rotations to minimise exposure Daily usage not to exceed 400 HSE points Training	4	2	8
	Injury due to airline fault/damage	5	2	10	Ensure whip-checks usedIn the event of a lose hose close the valve on the compressor, DO NOT try and catch the end.	5	1	5
Protecting the Public Undertaking work close to the public areas, this includes the footpath.	Persons entering the work area, causing injury etc.	4	3	12	Ensure site doors/gates are kept shut when not in use and with code lock to prevent unauthorised access. Warning signs in place. Watchman in place when site entrance open to protect public. Traffic Marshalls in road when vehicles entering and existing site	4	1	4
	Slips, trips & falls due to trailing items over the footpath. (eg. Concrete pump line)	3	5	15	Ensure that a ply ramp with non-slip covering is in place and any hoses, lines etc. are run beneath it.	3	2	6

Activity	Hazard	Initial			Control Measure	Residual		
		S	L	R		S	L	R
Excavation works Excavating up to a depth of 2m	Injury due to movement of delivery vehicles.	5	3	15	Ensure vehicles banked and with a road marshal.	5	2	10
	Collapse of trench/excavation	4	4	16	Batter sides of excavation where possible. Ensure than sides of excavation and not loaded by material or plant unnecessarily. If storage adjacent to the trench is necessary ensure that a designed shoring system is used.	4	3	12
	Material or plant falling into trench	4	4	16	Prevent plant of heavy materials from being stored adjacent to the excavation. If storage adjacent to the excavation is necessary ensure that a designed shoring system is used. If plant movement near to the excavation is necessary ensure that a designed shoring system and stop blocks are used. Use a handrail and toe board to prevent debris etc. falling into excavation.	4	2	8
	Contact with contaminated soils	4	3	12	Consult site investigation before excavation works proceed. If identified risk assess specific elements prior to proceeding	4	2	8
	Falls into excavation	5	4	20	Use proper handrail and toe boards around leading edge. Board/cover excavation when not in use marked "Hole Below"	5	1	5
Working Near Water working near to water and drains	Weils disease	5	4	20	Wear gloves and long sleeved shirt. Good hygene. TBT with INDG 84.	5	2	10
	Falling into water	5	4	20	Ensure adequate footwear, barriers when working near.	5	2	10
Working Adjacent to Highway Road works and traffic marshalls in road directing traffic into site	Injury being struck by vehicles	5	4	20	Ensure that all operatives wear high vis jackets, warning signs in road. Do not undertake work at night or during adverse weather	5	2	10
Erect Steelwork Erection of steel columns & beam inc temporary works	Injury being struck by steel and collapse of structure	5	4	20	Ensure that all operatives wear high vis jackets, temp works erected correctly – adequately supervised	5	2	10
ASBESTOS AWARENESS – asbestos present	Long term health conditions owing to breathing asbestos	5	4	20	Ensure all operatives are aware, not to disturb or work adjacent, supervise all works close to asbestos – stop and seek expert advice if disturbed	5	2	10

Mef 26/11/17

J Mc DAID Groundworks Ltd

The following personnel have been instructed on the contents of the works method statement / risk assessment. They are deemed to have been informed of their role and responsibilities with regard to the works

Any comments raised will be listed within the Comments Section

NOTE: "DO NOT IMPROVISE. IF IN DOUBT ASK" Any Deviations from this Method Statement/Risk Assessment to be report to Site Supervisor for Reassessment of Works

24 DOWNS HILL, LONDON, BR3-5HB

DEMOLITION, GROUNDWORKS & RECONSTRUCTION

– MSRA 01 REV 00 08/12/17

Name (Please Print)	Signature	Date