Addendum for 200mm Asbestos Soils Surface Scrape

During slab removal the team onsite have located asbestos cement within the slab make up as well as below the slab in the over site rubble. To ensure the safe removal of asbestos soils, a 200mm scrape along the surface of area where asbestos contaminated slab was removed previously. Will be completed & material loading away as "Asbestos contaminated soils" with consignment notes issued for disposal of hazardous waste.

Description

2x CAT B operatives in attendance whilst asbestos contained soils are removed by an excavator, using a toothless bucket (Gradient bucket) carrying out observations for further ACM'S during removal/loading, including providing suppression during the works.

1. Set up a safe working area

- Ensure relevant training records are in place for each individual carrying out the task.
- Make sure a permit to excavate is in place.
- Erect a boundary around the work area.
- Place signage within the area.
- Bring the equipment/plant to the work area and place in a safe manner ready for use.
- Ensure RAMS are followed.

2. Identification of hazards

- Ensure all services isolations are in place.
- CAT scan the area prior to any excavating.

3. Task briefing

- Brief the site team on the task and ensure that the team have fully understood.
- Sign everyone involved in the task onto the method statement.

Access to the area

Pedestrian route set up by ADI Group from the welfare into the works area.

Preparing the work area

- Ensure safe access.
- Ensure works area is clear, level & safe to proceed, (Daily plant checks, Conformity certs, stable ground, exclusion zone, permit to dig, electrical supply isolated etc).
- Restrict access – minimise the number of people present.
- Ensure safe working area by setting up a controlled zone with warning signage.

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Control Measures

RPE / Face masks - Ori-nasal mask with P3 filter or PP3 Half mask

Coveralls - Type 5/6 Coveralls

- Jet wash to be used to suppress dust and asbestos fibre release.
- A respirator zone will be set up around the asbestos working areas and demarcated with red/white barrier tape.
- Transit routes will be demarcated and signed.
- Supervisor will be able to clearly see the ongoing works from outside of the respirator zone.
- No persons to enter the machines slewing range.
- Personals and reassurance during works.
- Localised decontamination with Bucket/Sponge.
- End of works Supervisor sign off.

Removal Method

- An excavator will lift the slab using a bucket attachment. Machine door and windows to be shut at all times during the works.
- At a safe distance and out of the machines slewing range 2x CAT B Asbestos trained operatives will be in attendance during the removal works to pick any loose ACM's once the machine has scraped 200mm deep (not likely to encounter after 200mm but will review if we do) and the machine is moved away and switched off.
- The Operative will be providing localised suppression with the use of a jet wash prior to picking.
- The excavator will work systematically throughout the area scraping 200mm deep whilst the Asbestos operative is visually checking over the slab and former location.
- Areas of heavy contamination will be stockpiled or loaded directly away.
- All loose findings will be placed in clear asbestos waste bags.

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Loading operations

• All waste bags will be placed into the last tipper at the end of each shift.

• At the end of each shift the disposable overalls and disposable half mask will be placed into the clear asbestos waste sack and placed into contamination stockpile to be loaded away.

• Areas with high volume of asbestos will be placed into a pile to await loading into a tipper lorry.

• Dust suppression will be used during all loading procedures.

At all times dust and noise must be kept to a minimum. Dust will be combated by the use of damping down with water at the point of breaking. The supervisor will monitor the works and select the most appropriate control measure for the activity being carried out.

Equipment

- Warning signage & barriers
- Dust suppression units
- 2x 360 tracked excavators with bucket attachments (CAT 308 & CAT380)
- 1000-gauge polythene
- Red/ clear 1000-gauge asbestos waste bags
- 8 wheeled tippers

Personal protective equipment (PPE)

- Hi vis clothing
- Hard hat
- Suitable gloves
- Suitable foot wear.
- Respiratory protective equipment (PP3).
- Coveralls - Type 5/6 Coveralls
- Hearing protection – If required
- Impact safety glasses If required

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Dust suppression

- Dust levels will be monitored and suppressed with the use of hoses. The water supply is provided by ADI Group via Princes, at point of connection to the water supply, within the vicinity of our works.
- Attached to the water supply, will be a section of hose with a non-return valve on. This is then to be used to supply the dust water spray hoses. Fire and pressure lances will be utilised where required.
- The direction of wind is to be taken into consideration to achieve best placement and a cloud of water droplets is to cover the area of immediate work to suppress dust. Care is to be taken that the area is not over damped to the point where run off may happen.
- Should water runoff be a potential issue, bunds/ trenches are to be formed to allow natural soak away of the water.
- Should point accuracy of water damping be required, such as lorry loading, a second hose pipe is to be utilized.

Addendum and Risk assessment Briefing Register

I confirm that I have been given a briefing on the contents of the above addendum and supporting documents (i.e. Risk Assessment and attachments) and fully understand what is expected of me. I agree to abide by the requirements and will bring to the attention of the Site Manager any problems I find without deviating.

Name	Company	Date
WRIGHT	APEX	8/7/19
	APEX	8/7/19
	APEX	8/7/19
PARSLOW	APEX	11/7/19

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Risk Assessment

Contract No.	D0165	Risk Assessment No.	91027040	Type RA (Y or N)	Specific	Y	Generic		
Site	Prince	Activity / Operation:	200mm Asbestos soils surface scrape						
Workgroups involved (inc public)		Demolition Operatives							

No.	Hazard Code / Hazard	Consequence / Risks	Before			Control Measure. Mandatory PPE: Hard Hat (EN397)/ Safety Boots laced (EN345) with midsole protection / Hi Vis Jacket or Vest / Trousers (EN471 C2)	Final		
			S	P	R		S	P	R
1	H12 - Hazardous Substances (Asbestos / Chemical / Biological),	5- Fatal	5	3	15	• Ensure licensed carrier is used. All waste to go to a licensed waste facility with required licenses and duty of care compliant. Consignment note to be in place and completed before any waste leaves site • Restrict access. • Ensure all staff has appropriate training and medicals. • Technical Procedures to be followed • Ensure correct PPE and RPE is worn. • Carry out air monitoring. • Implement safe system of work.	5	1	5
2	H7 - Slips, Trips and Falls on same level - Operatives can trip during works	4-Major Injury (RIDDOR)	4	3	12	•Works area to be kept clear & level, clearing as we make progress at all times. •Voids to be backfilled & compacted	4	1	4
3	Plant H3 - Mobile / Site Vehicles / Pedestrians	5- Fatal	5	3	15	• All operatives including contractors are to be inducted before working on site • All operatives are to wear hi-vis clothing. • Where possible segregation of vehicles and pedestrians should be employed. • All operators of plant and vehicles will be competent •. Eliminate the need for reversing, if not banksmen should be in use. •Display appropriate warning signs.	5	1	5
4	Struck By / Against Something	5-Fatal	5	3	15	•All operatives to be trained and authorised to operate equipment. •All operatives and contractors to be inducted prior to commencing work. • All plant must be subject to periodic inspection and maintenance, with daily checks completed and records maintained. • All 12 monthly thorough examination records are to be kept with the vehicle at all times.	5	1	5

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						• Prior to commencing work all overhead and underground services are to be identified and control measures implemented. • Where possible segregate vehicles and pedestrians • banksman to observe and manage all reversing operations. •All operators are to wear Hi-vis clothing			
5	Underground Services	5-Fatal	5	3	15	•Client has made arrangements for disconnections previously •Service locations identified on survey drawing •Works area to be CAT scanned before breaking ground, anything detected will be investigated further & hand dug using isolated hand tools	5	1	5