JKC

Japanese Knotweed Control Limited

Treating the environment responsibly



Method Statement for Excavation & Supervision

PLP CONSTRUCTION LTD

30 TRENCHARD DRIVE, WOODHOUSE PARK, MANCHESTER, M22 5NA

SITE: 30 TRENCHARD DRIVE

Work brief:

Japanese Knotweed Control Ltd (JKC) have been instructed by the client to carry out a programme of works for the excavation and removal of all waste material relating to the non-native invasive species (INNS) identified on the site.

These works will involve the following activities;

- **Supervised excavation of Japanese knotweed (JK) or other identified non-native invasive species (INNS)**
- **Screening of contaminated sub soil to remove target plant/rhizome for disposal**
- **Identification and restriction of access for all areas containing JK or INNS**
- **Monitoring of all movements within the site boundaries during the completion of the works**
- **Provide advice and instruction for site based contractors operating within this location**

This work will require the use of plant and machinery in areas that may contain contaminated or hazardous material which may pose a risk to operatives' and public safety. Additionally this work may requires the use of herbicides which pose a risk to personal, public and environmental health, if used incorrectly. The following documents outline these hazards and associated risks and the mitigation advice and instructions in order to minimise any risks:

- **Health and Safety: Injury Risk Assessment**
- **Health and Safety: Environmental Risk Assessment**
- **Method Statement**
- **COSHH forms**
- **Reference documents**

METHOD STATEMENT

This is a controlled document and is integral to the health and safety of the project. No deviation is to be made to this method statement without it being confirmed in writing by JKC Ltd Health & Safety Manager – David Layland.

JKC Business Address: **Houldsworth Mill, Houldsworth Street, Reddish, Stockport, SK5 6DA**

JKC Representative in attendance:

RICHARD PODMORE – JOINT MANAGING DIRECTOR – 07971 332 823
CARL JACKSON – JKC SENOIR TECHNITION – 07572 640 296
EXCAVATOR OPERATOR - TBC

Number of operatives in attendance: **3**

Proposed start date: **WEEK COMMENCING 00/00/00 (5 DAYS)**

Working Shift – Timings: **Mon-Fri 08:00-16:00 (Excluding bank holidays)**

RAMS author/validation date: **ROB GIBBS – PROJECT ADMINISTRATION MANAGER – 26/10/18**

Signed by Author:

SITE ACCESS

Site Access Control

- JKC workforce to report to designated access point as identified by the client.
- Access to work areas to be confirmed and controlled by the client.
- Site speed limit must be adhered to at all times
- Use vehicle hob light if site requirement.

Prior to work commencing;

Contaminated or Hazardous Waste

All operatives working within the area of the contaminated/hazardous soil must be wearing the correct PPE at all times in addition to the standard site requirement;

Protective Gloves
Eye Protector Glasses
Dust Mask Protection (where appropriate)

This is the responsibility of all JKC Operatives.

Environmental

Japanese knotweed is classified as a ‘controlled waste’ and as such is required to be treated under the ‘duty of care’ requirements stipulated under The Environmental Protection Act of 1990. This act states that ‘controlled waste’ should be disposed of by qualified contractors within licensed disposal sites.

Any other waste removed from site and disposed of in accordance with The Waste 2011 (England and Wales) Regulations.

Waste transfer note to be issued.

SITE SPECIFIC DETAILS

There are several large infestations of Japanese Knotweed located within the boundaries of the site, which are mature and well established.

The infestations cover a total area in excess of 150m2 and are positioned throughout most of the site.

As the site is to be developed in the near future, the infestations will be excavated and all the waste material moved to a designated holding area ready for screening prior to the waste material being taken off site to a licensed landfill tip for disposal on covered waggons.

In order to facilitate the removal of the Japanese knotweed infestations a further ground clearance will be completed, which will include all top growth vegetation existing stumps, plus the 4 scots pine trees.

METHODOLOGY

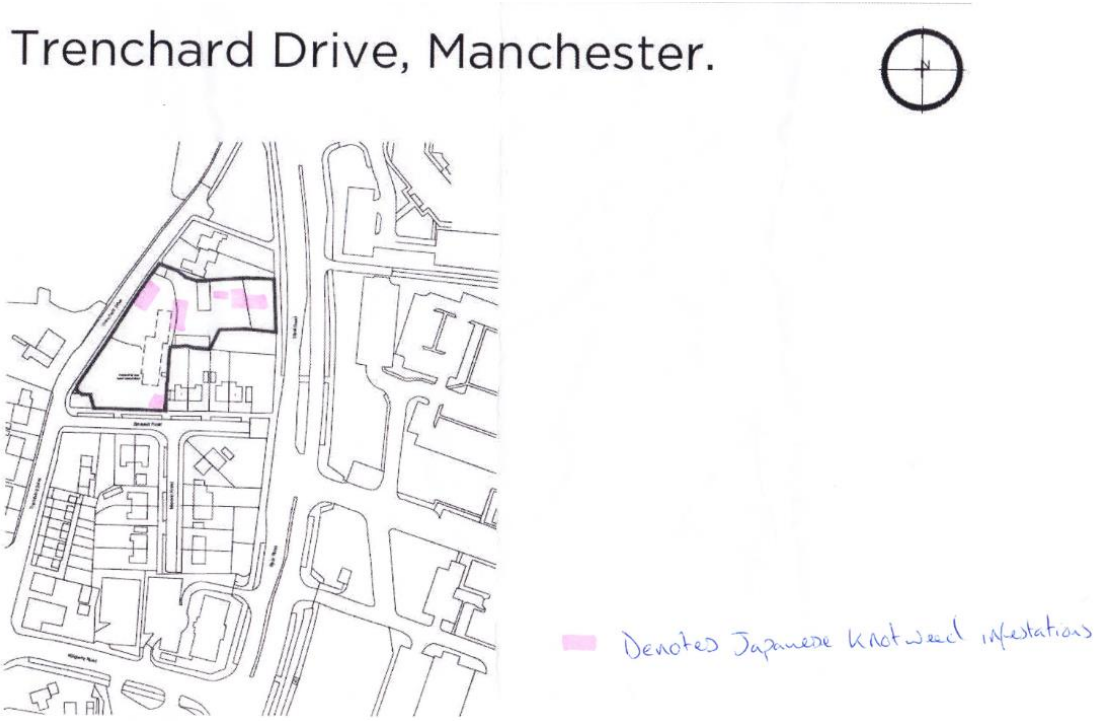
Site Description:	**The client is constructing houses together with associated car parking and landscaping at the Site.** **The site has 5 areas of Japanese knotweed located within it.**
JKC Works:	**Excavation of Japanese knotweed and screen waste material ready for removal to a licenced landfill tip** **JKC require 2 - 3 weeks' notice prior to works commencing**
Pre-Site Meeting:	**This location has been visited on a number of occasions prior to the final proposal being submitted by JKC. Richard Podmore of Japanese Knotweed Control was present to discuss and finalise working practises and expectations.**
Pre-Mobilisation:	• **Confirm with client of any planning restrictions, TPO's or known hazards** • **Confirm the access and security of site** • **Confirm plant machinery, fencing and access details to site for loading/unloading** • **Verification from hauler and tip for acceptation of waste** • **Ensure all utility service plans have been reviewed** • **Prepare site specific Risk Assessment and Method Statements** • **Complete site staff meeting/induction**

Mobilisation:	• All Japanese knotweed contaminated areas are to be marked and fenced • Identification of access inbound and outbound of contaminated area, ensuring attention given to prevent cross contamination within the site boundary • Controlled areas marked out on site for excavation and holding waste material prior to screening • Foot wash and cleaning stations set up • Plant and machinery delivered and set up on site • Security fencing delivered and erected within the specified areas
Schedule of Works:	• Site Induction meeting for all site staff members and RAMS review • Carry out site clearance and site preparation work • CAT scan working areas continually whilst taking care to observe services • Controlled excavation works to commence using an excavator with suitable bucket size • The soil will continue to be excavated as required in small increments, until all visible rhizome material has been removed. • Waste will be transferred to and stored within a designated area within the boundaries of the site ready to be screened (location will be confirm on day one of the works, based on most suitable for access and scheduled works) • Removal of the Japanese knotweed contaminated material off site to licensed landfill for disposal, as per agreed contract • Excavation holes and working areas to be made safe prior to completion of works
De Mobilisation:	• Cleaning down of all plant machinery • Cleaning of the site working areas • Off hire and collection of all plant machinery on site • Site handover to client on site contact • Completion report to follow

30 TRENCHARD DRIVE – SCHEDULE	ATTENDANCE DATES
SURVEY	WEDNESDAY 24th OCTOBER 2018
WORKS COMMENCMENT DATE	START – TBC 00/00/00 FINISH – TBC 00/00/00
DURATION OF WORKS	5 DAYS

MAPPING

JAPANESE KNOTWEED LOCATION



NEW DEVELOPMENT PLAN



PHOTOS











General Information

EXCAVATION REQUIRMENTS

PLANT HIRE: **T13 EXCAVATOR & T9 DUMPER – BUCKHURST PLANT HIRE – STEVE CROCKEN 01706 231 666**

TROMMEL SCREENER – CRJ SERVICES – SYLVIA O'MEARA 01565 723 886

WASTE REMOVAL: **EST 15 LOADS – BRAIDWOOD WASTE REMOVAL – MATTHEW BRAIDWOOD 0161 799 3801**

The excavator selected for these works is a **T13**, which has a suitable bucket size to remove the Japanese knotweed or other invasive non-native weeds' root system in their entirety and will load the material onto waggons for disposal. All machine movements into and away from the area of infestation will be supervised and aided by a banksman in order to ensure public safety and to minimise disruption. All machinery will be directed to the enclosed works area, and all reversing of vehicles will be supervised by a banksman.

Training for JKC banksman can be found using the attached link (http://www.hse.gov.uk/workplacetransport/safetysigns/banksman/banksman.htm).

CAT scanning will be completed by a JKC operative prior to excavation. Throughout the excavation process, all operatives will take care to observe for services.

The excavation process will be carried out by designated, trained and licensed site operatives.

An appropriate excavator and bucket should be used to complete the excavation; the plant operative will be supervised by a JKC operative in order to ensure that no unwanted spread of the plant occurs. Contaminated soil that is required to be moved during the works will be done under supervision.

After each excavation the JKC operative will inspect the excavation hole for signs of JK or INNS rhizome. The soil will continue to be excavated as required in small increments, until all visible rhizome material has been removed.

The after excavation has taken place the contaminated waste will be taken in a covered wagon to a licensed landfill site.

If required a COSHH assessment has been carried out and the herbicide selected for use will be Glyphosate Roundup Pro Vantage 480. Herbicide application should be carried out only by licensed operative trained in PA1 and PA6. Good practice and hygiene should be followed at all time throughout the process. All label recommendations should be adhered to and all relevant and current legislation and regulations should be followed.

BEFORE WORKS

- If site induction if provided by the client, all JKC operatives should attend and it should cover all activities to be carried out on site.
- Ensure the correct PPE is worn by all operatives working on site;
  Hand Protection (gloves EN374) 1 pair per operative
  Safety Footwear with steel protective toe.
  Eye Protection.
  Hi-Viz Clothing Jacket, Vest & Trousers (Yellow & Orange should be available and correct type worn, as directed by the client).
  Safety Helmet.
  Waterproof Jacket & Trousers

- Document all relevant licenses and/or certification to excavate the site; including the machine plant pack and a photo of the drivers licence.
- Assess the area where excavation work will take place for hazards. CAT scan all areas to be excavated and update Risk Assessment if necessary.
- Client or JKC if designated to ensure public access to works area restricted.
- Ensure any herbicide is mixed away from water, wildlife and the public. If necessary, use tape and cones to cordon an area to the rear of the vehicles.
- Client or JKC if designated to agree location on-site for stockpiling of excavated material, if required.

DURING WORKS

A JKC Operative will ensure that any person working within the contaminated area does not spread any viable rhizome out of the controlled area. To this end, a boot wash will be supplied, and any operative leaving the designated contaminated area will need to wash down.

All machinery/tools used in this area will be cleaned before leaving the contaminated area, to ensure no further spread of the plant occurs.

Machines should be constantly monitored to ensure they are not exposed to the contaminated area.

All machines should follow the correct traffic movement identified to remove the risk of contamination.

Only the excavation bucket should be exposed to the contaminated soil. All machinery/equipment used in this area must be thoroughly cleaned on completion.

Battering of the excavation sides should be completed if the dig area is not backfilled in sequence with removal. Battering the excavation sides to a safe angle of repose will make the excavation area safer.

In granular soils, the angle of slope should be less than the natural angle of repose of the material being excavated. In wet ground a considerably flatter slope will be required.

Once clearance work if finished, fencing will be put in place by the client, with signage provided by JKC Ltd. Entrance to this area is only permitted when a JKC operative is on site to supervise.

TAKE GREAT CARE WHEN WORKING IN THIS AREA AS THE GROUND IS UNEVEN.

If at any time during the excavation, services that were previously unknown are discovered, all excavation **MUST STOP** until such time as the unknown services discovered are fully located, marked and exposed via hand dig.

Information Documents: **Working Near Power Lines HSE GS6 JKC**

MUNITIONS

Munitions are deemed to be unlikely in the direct location of the works and so has been deemed a low risk however; any anomalies on the CAT scan not found to be services should not be disregarded due to the remote possibility of unexploded munitions. If unexploded munitions are suspected all works must cease. Operatives are to be removed from the immediate location and contact made with the local authorities.
The method of soil removal using an excavator is to make gradual skims of the surface rather than large/ deep removals to be interspersed with regular scans.

NOISE

Operatives working within the Exclusion zone will wear hearing protection whilst excavation works are undertaken.

LONE WORKING

Due to isolated location and the procedures being undertaken lone working is not to be undertaken on this project.

MANUAL HANDLING

Manual Handling will be required for this task, however supervision to ensure adequate manpower is available at all times.
All JKC personnel have been suitably trained in manual handling.
Any lifting over 25Kg will be a two man lift in two stages.

Information Documents: **Manual Handling at Work HSE INDG143 - rev3**

DUST

Dust should be monitored throughout the excavation and is considered high, damping down with water should be applied.

ASBESTOS

Be aware of the possibility of illegally dumped asbestos waste, especially in overgrown areas or amongst other rubbish.
The Project Supervisor and Operatives have received Asbestos Awareness training.

If asbestos is discovered the project manager is to be notified immediately and an exclusion zone must be created.

NOTE: Only a licensed approved contractor can undertake removal of asbestos.

DIESEL

- Fuel to be stored in correct marked container (5ltr plastic storage container) in a locked cabinet away from any ignition sources.
  (COSHH cabinet contains a 15lt sump bund built into base)
- When refuelling;
- Ensure area is free from ignition sources.
- Use drip tray.
- Have a suitable extinguisher on standby and stored in location.
- Good ventilation.
- Storage container is resealed and stored correctly after use.
- Clear any spillages immediately.
- Wear appropriate PPE as stated on MSDS sheet.
- Spill kit available.

BIO HAZARD – WEILS DISEASE

Working in overgrown vegetation areas there is a possibility of rodents in these locations; therefore there may be a risk of Weils Disease. The mandatory waterproof compliant protective clothing being worn, eye protection and latex gloves within work gloves will provide sufficient protection against absorption. Further precautions may include the spraying of suits with disinfectant and washing down afterwards if significant signs of vermin are found. A high standard of personal hygiene, thoroughly wash hands before eating, drinking or smoking.

The following documents are included in the work pack and are held on site, these must be relayed to all personnel working on site:

Information Documents: **Leptospirosis HSE advice**

SHARPS/DRUGS PARAPHERNALIA

This site could possibly be accessed by members of the public and as this area is secluded it has the potential for sharps to be present. A visual sweep of the area should be carried out at the start of each day and if any drugs paraphernalia is found it should be reported to the clients H&S immediately. Any items should not be handled and litter pickers should be used to place into the contaminated sharps bin and sealed.

When carrying out clearance work Level 5 puncture resistant hand protection to be worn. Operatives must never be put unprotected hands into containers or spaces where visibility is restricted.

CONTAMINATED SOIL

Please refer to Environmental section for Information.

HERBICIDE

- Least hazardous herbicide to be used as per COSHH hierarchy of control.
- Storage area to be controlled by JKC Operatives.
- Only PA1/PA6 trained and licensed Operatives to handle herbicides.
- All equipment to be stored in secure container whilst not in use/unmanned.
- Drip tray to be used whilst mixing.
- All herbicide to be stored in original containers clearly marked.

TOOLS & EQUIPMENT

NO KNIVES ARE ALLOWED ON SITE. ONLY SAFETY KNIVES WITH AUTO RETRACTING/RELEASE BLADE ENCLOSED BLADE ARE ALLOWED ON SITE WITH WRITTEN PERMISSION FROM PROJECT MANAGER.

PPE & EQUIPMENT PREPERATION

- Safety equipment/PPE is available and serviceable.
- Ensure appropriate tools for the task and operatives are trained in the use of the tools.
- Daily Tool and equipment check to be carried out by Operatives.

AFTER WORKS

Upon completion of work:

- On completion, remove all barriers, signage and debris.
- Remove any non-bio degradable debris and leave site in a clean and tidy condition.
- Inspect area.
- When leaving site sign out and inform security.

Rinsing's can also be stored in a suitable container and removed off-site for use on another proposed treatment area. Ensure equipment and empty containers are triple rinsed with spill kit present and completed away from sensitive areas. Empty containers and foils (which must be segregated) should be removed off site and stored in the JKC compound for annual disposal by a licensed company.

Ensure the following forms are signed and/or completed before leaving site:

- **COSHH form**
- **Chemical Usage form**
- **On-site Review form**

This is to certify I have read and understood the contents of the above outlined documents and have taken note of the recommendations therein.

Signed: **Date:**

Operative name (printed):

Signed: **Date:**

Operative name (printed):

Signed: **Date:**

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Like, follow and connect with us :

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please consider the environment and only print this if required