

Vantage Drain Services
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Generic Method Statement for Localised Drain repair using no dig techniques.

VANTAGE DRAIN SERVICES

It is the policy of Vantage Drain Services that this Method & Risk Assessment must be reviewed and signed prior to commencing work as required by The Health and Safety at Work etc. Act 1974 and subsequent regulation.

Prepared by: MD Services
Reviewed By: : J. Russell

Consultant
Director

Date:05/07/2022
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Ref: VDSNDRCGEN050722-1

Introduction into carrying out localised pipe repairs using no dig techniques: No dig repair works are works using a 2 part resin kit and matting which allows for a repair to be carried out which is stronger and longer lasting than the host pipe it is carried out in. the technique uses packers, compressor and air tubes. The repair is cured at an ambient temperature and once cured the waste products are handled like plastic waste.

Scope of Works

1. Purpose

Localised repairs of drains.

2. Location

Various

3. Drawings / Photographs

As supplied by Client

4. Rodents

The drainage system may have to be jetted through and sanitised before the survey can progress if there's any siting of rodent activity, (please see Risk Assessment regarding the risks of avoiding catching Leptospirosis (Weil's Disease).

5. Personnel

1 x Trained and certified personnel (certification available on request)

6. Plant, Equipment

1 x Compressor
1 x Generator
1 x Selection of Packers
1 x Selection of air rods
1 x Isolation Transformer (pat tested)
1 x Mobile CCTV unit
1 x Jetting unit

7. Welfare Arrangements

Work breaks for meals, toilet etc. are as per Vantage Drain Services conditions, and comply with the requirements of the Health & Safety at Work Act 1974. If there is no welfare facilities on site use the following website - <https://www.toiletmap.org.uk/> for public restrooms unless working for business clients who have a duty to provide facilities.

8. Procedure

The following steps are to ensure a safe work system for **Personnel** and **Public** at all times.

The controls have been selected to protect the Health and Safety of operatives and others that may be affected by the work. The controls have been designed to protect against the risks recorded on Risk Assessment. This general guidance should only be used when it is appropriate to specific site conditions.

- 8.1 All work carried out will be by as per associated Risk Assessment RAVDSNDRGEN050722-1.
- 8.2 Toolbox Talks are required to be had with operatives involved regarding the site conditions.
- 8.3 Obtain permit to work (where required).
- 8.4 Don appropriate PPE for prescribed works your full 5-point PPE as prescribed in section 12.
- 8.5 Barrier off the working area, always position warning signs in prominent positions, set up ground protection sheet.
- 8.6 Operatives are required to allow plenty of room within the barriered zone for movement and works.
- 8.7 The machinery will be set up at the lowest drainage outlet or in fall whichever provides the best access.
- 8.8 The drainage line is required to be cleaned before works commence to ensure packer does not set deformed.
- 8.9 Operatives in the following line of sight.
 - 1 x operative directing and controlling jetting hose/ cctv camera
 - 1 x operative safety watch/ guiding air hose with packer attached.
- 8.10 Once the drainage line has been cleaned the line will be surveyed using the CCTV camera system to locate area of repair.
- 8.11 Packer and airline have to be set up and guided by CCTV camera to repair location, once this is reached the hose is marked to ensure the repair is carried out at the designated location.
- 8.12 Remove all materials from drain repair kit, measure out matting and cut to desired length and width ensuring an area of overlap of 3 inches. Wrap packer with polythene and secure in place with tape or elastic bands. Burst internal seal in 2 part kit and agitate bag to ensure even mixture of contents (generally 20 – 60 seconds).
- 8.13 Pour mixture onto matting and smooth out using kits spatula, this is required on both sides. Then wrap matting around packer and secure with elastic bands.
- 8.14 Using CCTV guide packer and matting to repair location and visually confirm it is at the desired repair location. Inflate packer to recommended pressure and leave for 2 hours monitoring pressure and re pressurising when required.
- 8.15 Once kit has went off (cured) remove all equipment from drainage line and proceed to next area following steps from 8.5 to 8.15 until all repairs have been carried out.
- 8.16 On completion, all work area will be tidied to client's satisfaction and any waste will be disposed of in line with local plastic disposal requirements.
- 7.17 Permit to be signed off & client sign of job sheet to acknowledge work meets requirement.

8. Interface with Others

Director **Jonathan Russell** will liaison with Client on satisfactory safety procedures & work satisfaction.

9. Adverse weather conditions

Follow procedures, drains must not be capped off during heavy rains in-case this causes flooding elsewhere which may cause back surges, **DO NOT** enter the chambers/ pits and or manholes during heavy rains. This technique is unadvised during heavy rainfalls.

10. Emergency and First Aid

To be fully explained during the site inductions, site rules will apply. Emergency, First Aid Procedures and Accident Investigation are as per Vantage Drain Services Safety, Health and Environment Procedures.

11. Training

Before starting off the job, personnel involved will be notified by Management of this assessment and the precautions required.

12. P. P.E.



As a minimum the P.P.E. requirement for this task are:

- | | |
|-----------------------------------|-----------------------|
| 1/ High Vis vest EN ISO 20471 | 2/ Gloves BS EN-388 |
| 3/ Safety Boots EN ISO 20345:2011 | 4/ Hard Hat BS EN 397 |
| 5/ Goggles DIN EN 166 | 6/ Overalls EN 343 |

Operator Signature

Print name

Date

_____	_____	_____
_____	_____	_____

Risk Check Sheet

Are We At Risk From ?	YES / NO	Action to Control / Remove Risk
Are any Vantage Employees showing signs of COVID 19	YES / NO	If yes leave site and self-isolate
Are any persons on site showing signs of COVID 19	YES / NO	If yes leave site
Falling from Height	YES / NO	
Slipping or tripping	YES / NO	
Any overhead working	YES / NO	
Traffic nearby	YES / NO	
Moving parts	YES / NO	
Incorrect tools used	YES / NO	
High Pressure water/air/steam	YES / NO	
Manual Handling methods	YES / NO	
Cramped conditions	YES / NO	
Poor access / egress	YES / NO	
Airborne particles	YES / NO	
Poor visibility	YES / NO	
Adjacent hot pipe work	YES / NO	
Electrocution	YES / NO	
Drowning	YES / NO	
Noise	YES / NO	
Vibration	YES / NO	
Radiography	YES / NO	
Poorly secured loads	YES / NO	
Confined space	YES / NO	
Suffocation	YES / NO	
Risk of not being able to keep 2 mtr social distance	YES / NO	
Any other RISKS	YES / NO	
<ul style="list-style-type: none"> All YES answers must have an action to Control or Remove the Risk 		
Do you know where	YES / NO	LOCATION
The nearest telephone is ?	YES / NO	
The nearest safety shower is ?	YES / NO	
The nearest Fire Extinguisher is ?	YES / NO	
Fire alarm pull point ?	YES / NO	
The nearest Muster point?	YES / NO	
Does this work require	YES / NO	Certificate No / Training Date
Specialist certification / Training ?	YES / NO	
Pre discussions ?	YES / NO	
Practical training ?	YES / NO	

If you believe the **RISK to SAFELY** carry out the work described is **UNACCEPTABLE, DO NOT START** the work and report to the Client and Jonathan Russell (VDS Director),
Signatures Operatives:
