



Electricity North West
Data Management,
Electricity North West
Linley House
Dickinson Street
Manchester, M1 4LF
Phone: 0800 195 4141
Email: planrequest@enwl.co.uk
Web: www.enwl.co.uk

Miss Leanne Stacey
Atkins
500 Park Avenue Aztec West
Almondsnury Bristol
BS32 4RZ

Our Reference: 858721

Your Reference: LM 26530/PP

Dear Miss Leanne Stacey

Electricity Network Plans

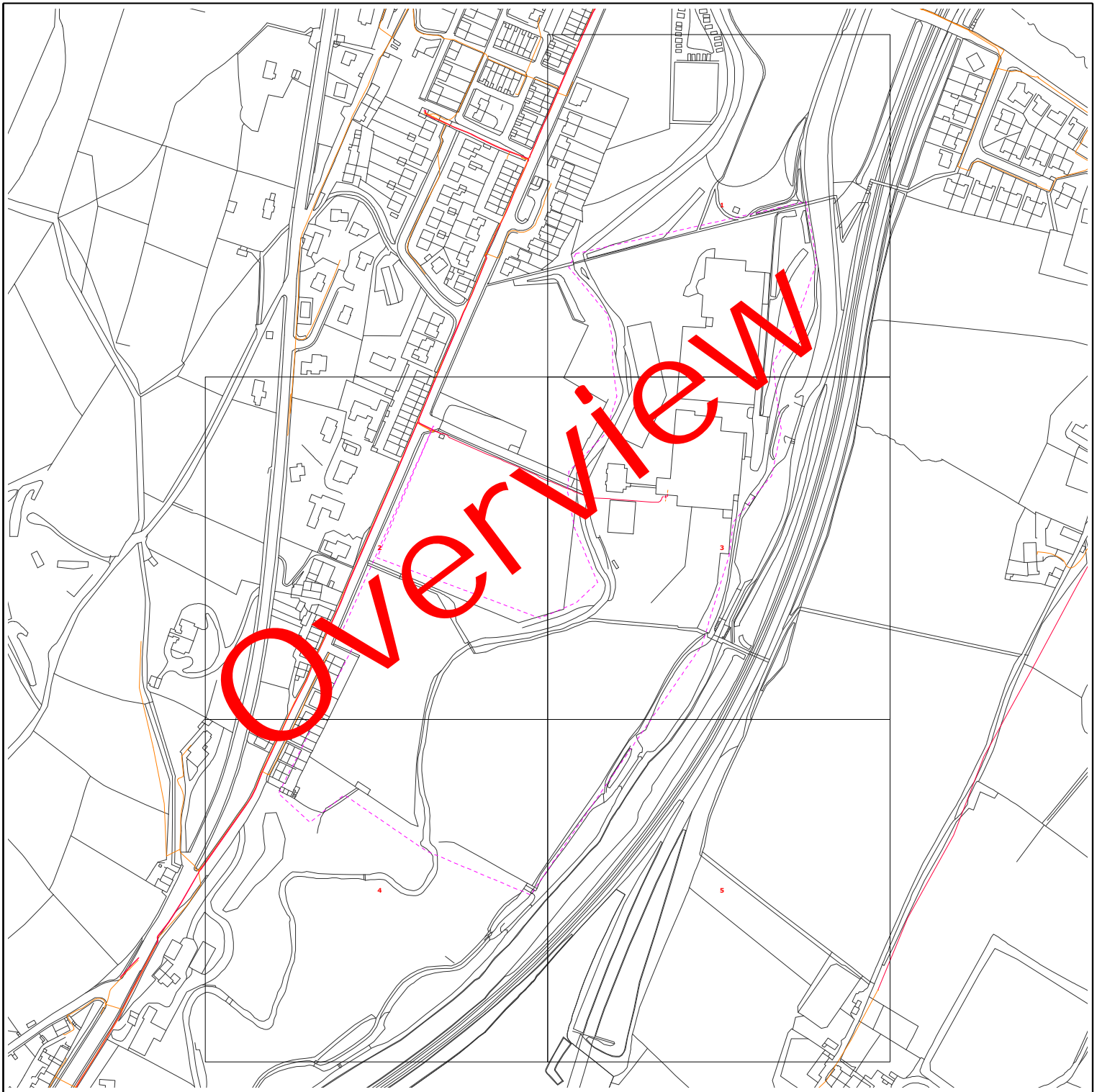
I acknowledge with thanks your request dated 01/07/2013 10:54:35 AM for information on the location of our services.


Please find enclosed plan(s) showing the approximate position of our apparatus known to be in the vicinity of this site.

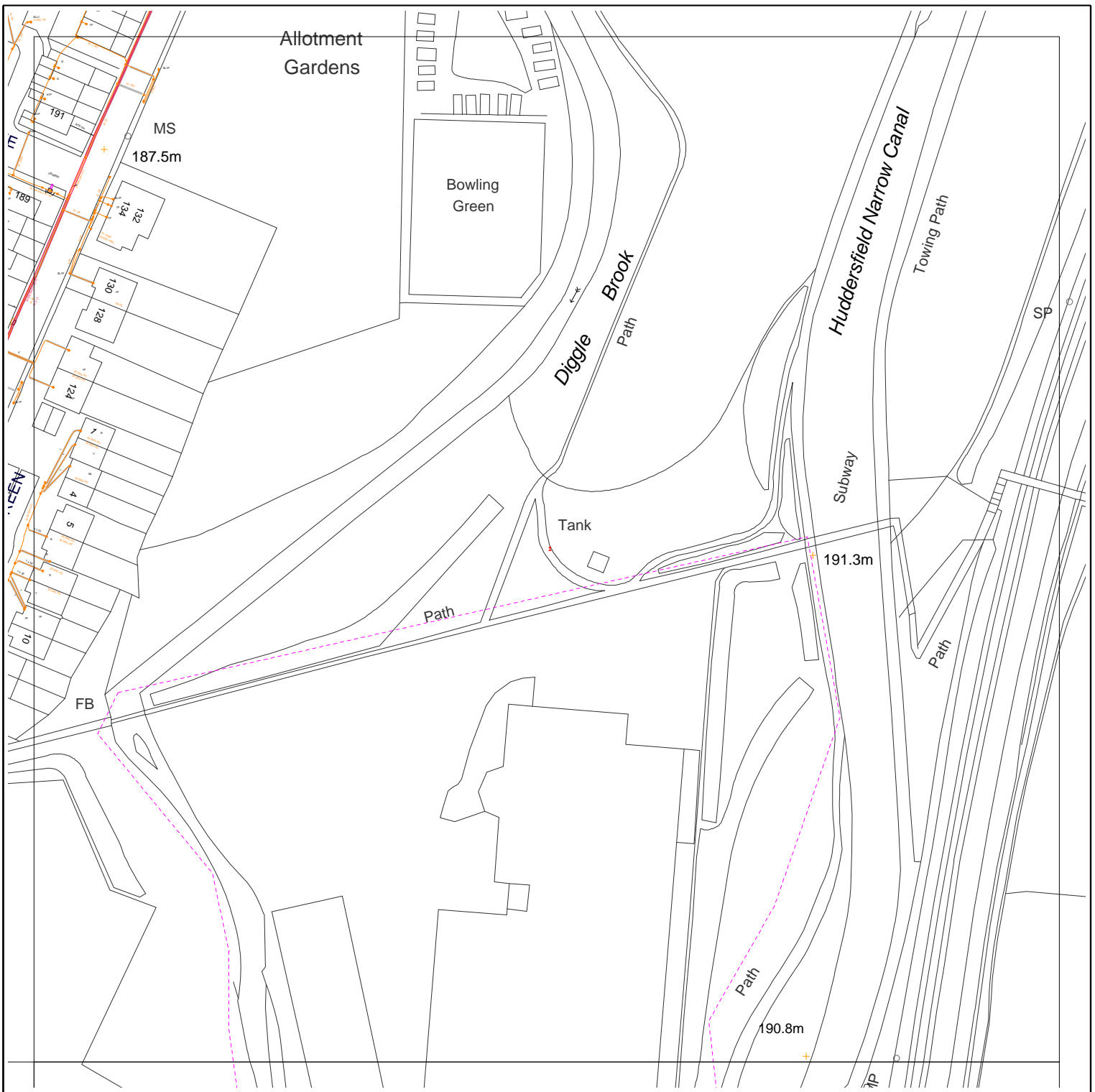
I attach Conditions and information regarding electricity mains, which details contact numbers for additional services (i.e. new supplies, connections, diversion). In addition you should ensure they are made available to anyone carrying out any works which may affect our apparatus.

Yours sincerely,

Data Management



<p>Requested by: Leanne Stacey Company: Atkins Date Requested: 01/07/2013 Job Reference: 858721 Your Scheme/Reference: LM 26530/PP</p>	<table border="1"> <thead> <tr> <th>Operating Voltage</th> <th>Colour Code</th> <th>Line Colour</th> </tr> </thead> <tbody> <tr> <td>132kV</td> <td>Black</td> <td></td> </tr> <tr> <td>33kV</td> <td>Green</td> <td></td> </tr> <tr> <td>22kV-25kV</td> <td>Yellow</td> <td></td> </tr> <tr> <td>11kV</td> <td>Red</td> <td></td> </tr> <tr> <td>6kV-6.6kV</td> <td>Blue</td> <td></td> </tr> <tr> <td>1kV-6kV</td> <td>Violet</td> <td></td> </tr> <tr> <td>LV</td> <td>Orange</td> <td></td> </tr> <tr> <td>Unknown Voltage</td> <td>Brown</td> <td></td> </tr> </tbody> </table>	Operating Voltage	Colour Code	Line Colour	132kV	Black		33kV	Green		22kV-25kV	Yellow		11kV	Red		6kV-6.6kV	Blue		1kV-6kV	Violet		LV	Orange		Unknown Voltage	Brown		 <p>Data Management Electricity North West Linley House Dickinson Street Manchester, M1 4LF Phone: 0800 195 4141 Email: planrequest@enwl.co.uk</p> <p>Scales on A4 paper: 1:1250 Area dig site 1:500 Line dig site 1:250 Point dig site</p>
Operating Voltage	Colour Code	Line Colour																											
132kV	Black																												
33kV	Green																												
22kV-25kV	Yellow																												
11kV	Red																												
6kV-6.6kV	Blue																												
1kV-6kV	Violet																												
LV	Orange																												
Unknown Voltage	Brown																												
<p>Dig Sites: Area Line Point </p> <p>Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.</p> <p>Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.</p> <p>Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".</p> <p>Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949</p>																													



Requested by: Leanne Stacey
 Company: Atkins
 Date Requested: 01/07/2013
 Job Reference: 858721
 Your Scheme/Reference: LM 26530/PP

Dig Sites:
 Area Line Point

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

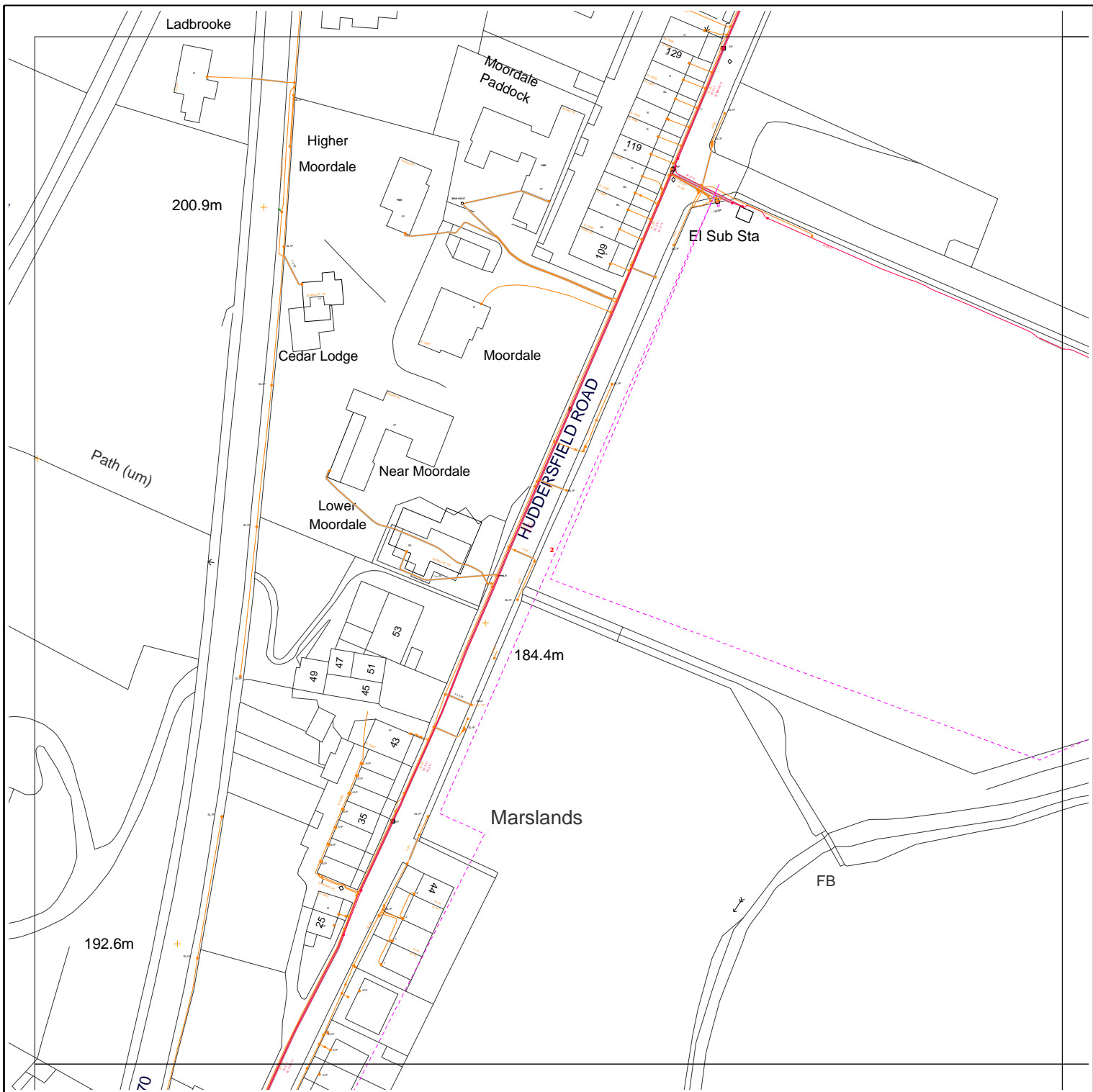
Scales on A4 paper:
 1:1250 Area dig site
 1:500 Line dig site
 1:250 Point dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.

Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".


Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949



Requested by: Leanne Stacey
 Company: Atkins
 Date Requested: 01/07/2013
 Job Reference: 858721
 Your Scheme/Reference: LM 26530/PP

Dig Sites:
 Area Line Point

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

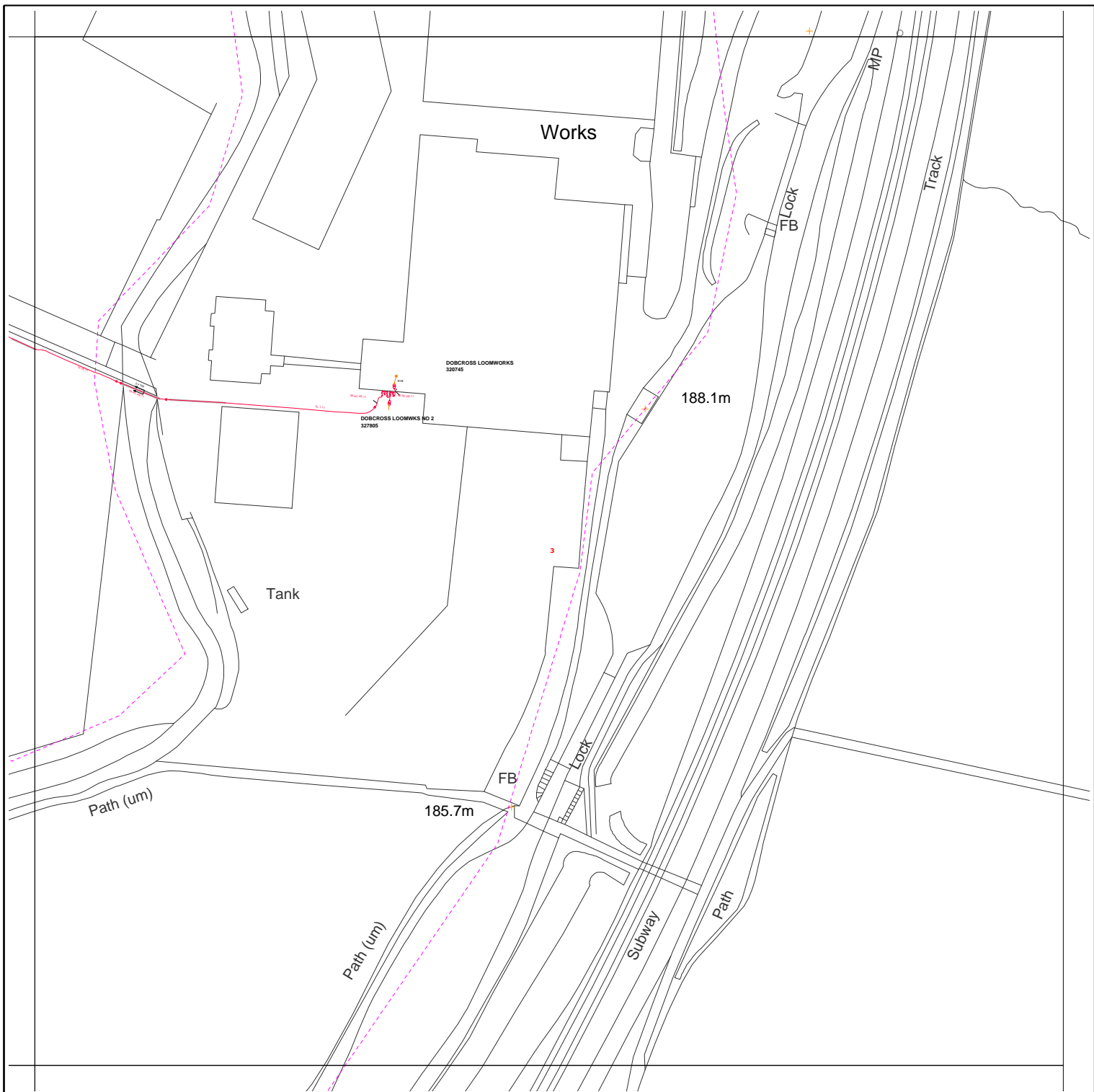
Scales on A4 paper:
 1:1250 Area dig site
 1:500 Line dig site
 1:250 Point dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.

Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".


Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949



Requested by: Leanne Stacey
 Company: Atkins
 Date Requested: 01/07/2013
 Job Reference: 858721
 Your Scheme/Reference: LM 26530/PP

Dig Sites:
 Area Line Point

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

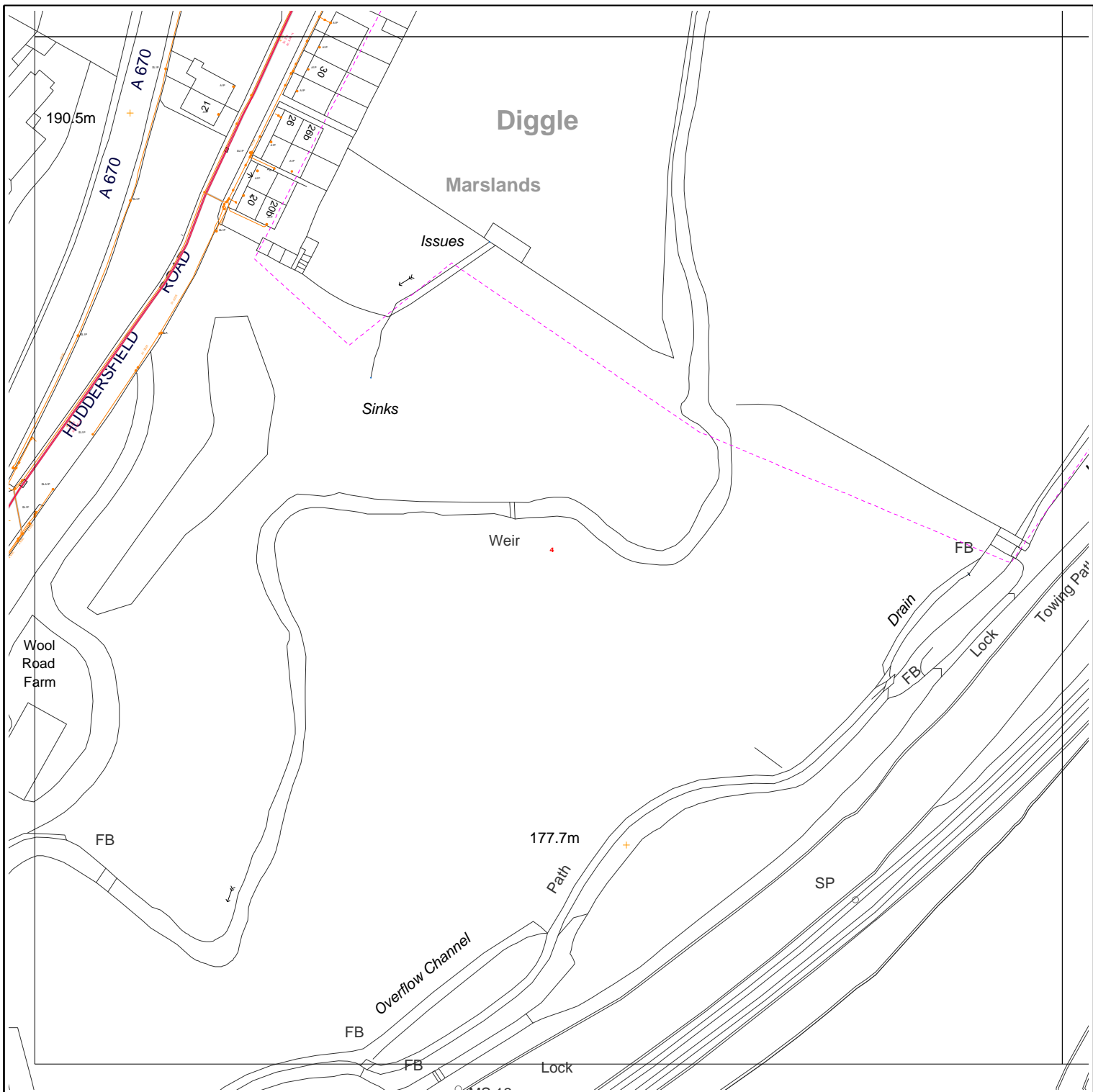
Scales on A4 paper:
 1:1250 Area dig site
 1:500 Line dig site
 1:250 Point dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.

Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".

Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949



Requested by: Leanne Stacey
 Company: Atkins
 Date Requested: 01/07/2013
 Job Reference: 858721
 Your Scheme/Reference: LM 26530/PP

Dig Sites:
 Area Line Point

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

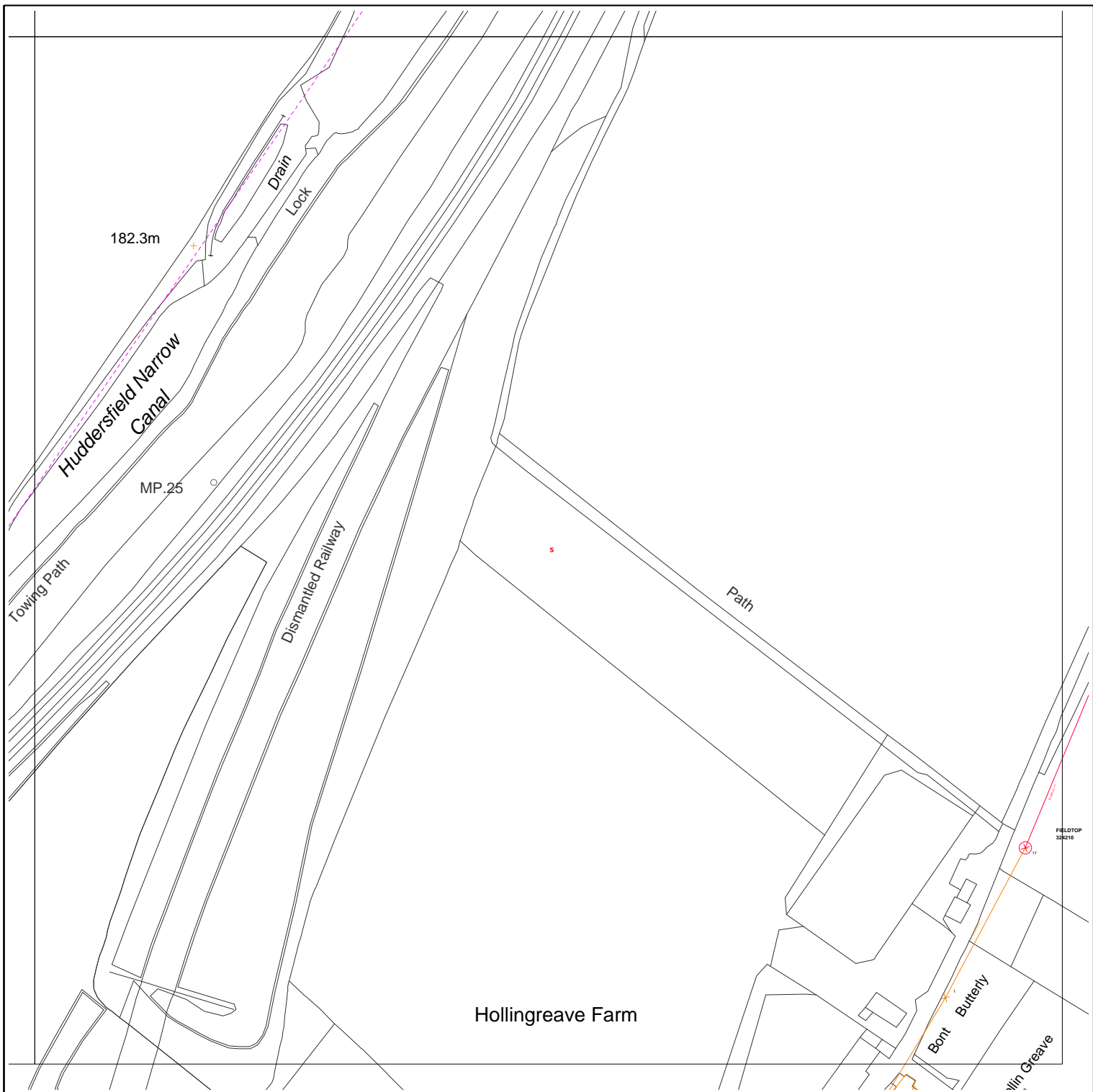
Scales on A4 paper:
 1:1250 Area dig site
 1:500 Line dig site
 1:250 Point dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.

Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".

Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949



Requested by: Leanne Stacey
 Company: Atkins
 Date Requested: 01/07/2013
 Job Reference: 858721
 Your Scheme/Reference: LM 26530/PP

Dig Sites:
 Area Line Point

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

Scales on A4 paper:
 1:1250 Area dig site
 1:500 Line dig site
 1:250 Point dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings.

Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".

Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949

Conditions and information regarding electricity mains

These general conditions and precautions apply to the electricity distribution system of Electricity North West Limited.

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1. There may be other Electricity North West Limited apparatus in the vicinity, which is not indicated on the cable records. Other apparatus may also be present which a third party owns other than Electricity North West Limited.

2. Before any machines are used all of Electricity North West Limited's underground apparatus should be located by manual excavation taking the appropriate safety precautions in accordance with the **Health and Safety Executive Guidance note HS(G)47 "Avoiding danger from underground services"**. This contains advice to site personnel when working near underground services.

Underground services, particularly electricity and gas, can be dangerous. Damage to electricity cables can cause a dangerous flash, leading to severe burns or even death. Gas leaks can cause fire or explosion.

Damage can result from excavation or penetration of the ground, e.g. by a road pin.

Underground services may be found in roads, footpaths and on sites. Always assume that they are present. Treat any services found anywhere as live.

Accidents have happened because people have mistaken one service for another. e.g. black plastic covered electricity cables look like black plastic water pipes and cast iron gas and water mains look alike. Check before you act.

3. Before starting work you must:

- Make sure you have plans of the underground services in the area. This may not always be possible for emergency or unforeseen works. **Remember that service connection cables and pipes from the main to building or streetlight may not be shown.**
- Use a cable and pipe locator to trace electricity cables and metal pipes.
- Look for signs of service connection cables or pipes, e.g. a gas meter or service connection entry into a house or a streetlight.
- Hand dig trial holes (as many as necessary) to confirm the position of services in close proximity to the area of your work.

4. When you start work:

- Hand dig near buried services whenever possible. Spades and shovels are safer than picks pins or forks.
 - Remember that cables may be embedded in concrete. Electricity cables embedded in concrete **must** either be made dead before the concrete is broken out or another safe way of working agreed with the cable owner.
 - Watch out for signs of services as work continues.
 - **Report any damage to a cable, pipe or pipe coating however slight.**
 - **Do not use hand-held power tools within 0.5m of the marked position of an electricity cable**, unless this is impracticable and the line of the cable has been identified by plans and positively confirmed by a locator.
 - **Do not use hand-held powers tools directly over the marked line of a cable unless:**
 - (a) You have already found the cable at that position by careful hand digging beneath the surface and it is at a safe depth (at least 300mm) below the bottom of the surface to be broken, or
 - (b) Physical means have been used to prevent the tool striking it.
 - If an excavator is used near an electricity cable keep everyone clear of the bucket while it is digging. **Bucket should not be used near cable - hand dig.**
 - Do not use exposed services as a convenient step or handhold.
 - Do not handle or attempt to alter the position of an exposed service.
 - Do not install plant close to an existing service.
 - Do not build existing services into a manhole or other structure or encase them in concrete.
- Would you also ensure that all site operators have this information and if any electrical apparatus is damaged, they/you should contact Electricity North West Limited fault desk on **0800 195 4141**.

5. Overhead lines are not necessarily shown on the Electricity North West Limited cable records but may be present. In the event of work being carried out adjacent to overhead lines (including access, storage etc) please always ensure strict adherence to the requirements of the **Health and Safety Executive's Document GS6 "Avoidance of Danger from Overhead Electric Lines"**.

Extreme personal danger can result from contact, or near contact, with live conductors of overhead lines.

Treat all overhead lines and other electrical apparatus as live. If in doubt get advice.

6. Electricity North West Limited must be consulted if work is to take place within 15 metres of overhead lines on steel towers or 9 metres of overhead lines on wood, concrete or steel pylons. (All distances should be measured at ground level from a position estimated by eye to be vertically under the outermost conductor at a tower or pole position.) Any person involved in work in the vicinity of overhead lines should:

- Understand and follow the instructions given on safe working areas and methods of work.
- Make sure that warning notices are in the cabs of machines working in the vicinity of an overhead line.
- Make sure that barriers and warning notices are erected as required.
- Not tip soil or stack material underneath overhead lines as this may reduce the clearance to an unsafe distance.
- Make sure when handling or using platforms scaffold poles, piping, ladders, hand tools etc, that they are kept at a safe distance from overhead lines.
- Not steady a suspended load, skip, hoist wire, slings etc., unless satisfied that there isn't any danger from overhead lines.
- Remember that, when mobile plant such as a crane or excavator is operating near overhead lines, the raising or slewing of the jib may introduce danger.
- Always keep overhead lines in view when manoeuvring mobile plant.
- Never operate a machine unless carefully guided by an experienced banksman.
- Not approach or touch any broken or fallen conductors or any plant in contact with an overhead line before United Utilities confirms that conditions are safe. Warn others to keep well clear.

Machine operators should note that: if a machine comes into contact with an overhead line and cannot be disentangled by backing off, remain seated in the cab and warn others to keep clear of the machine until Electricity North West Limited confirms that conditions are safe. If it is essential to leave the machine while it is in contact with

the overhead line, for example if it catches fire, jump well clear - and **do not** attempt to climb down in the normal way nor touch any part of the machine when on the ground.

- 7 Electricity North West Limited provides approximate locations of its electricity mains or apparatus according to its records but these records are not necessarily accurate or complete and do not always show the position of private cables from the mains to properties. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.

- 8 Care should be taken when excavating near cables. Known road crossings are highlighted on the enclosed plans. Should any cable, or Electricity North West Limited apparatus indicated on the attached plans, be affected by your proposals please contact us as follows:

Data Management
Linley House
Dickinson St
Manchester
M1 4LF

Telephone: **0871 687 0501**

Details of diversion costs, if any, will be provided on request once your firm proposals have been submitted.

- 9 Please note that service cables may be affected by some of the works being carried out on site. If any services do require temporary disconnection, please phone **0800 195 0101** for domestic disconnection or **0800 195 2425** for commercial disconnection, so that arrangement can be made to disconnect before work commences on site.
- 10 For information regarding new supplies please contact us on **0871 687 0501**.
- 11 Please note that cable records supplied may not be up to date, or may be incomplete, if the area concerned is a new site.
- 12 For information regarding wayleave or easement agreements contact:
- | | |
|------------|----------------------|
| Manchester | 0161 604 1354 |
| Preston | 01772 848639 |
| Kendal | 01539 796082 |
- 13 The latest cable records are always available for inspection during normal working hours and you should satisfy yourself that the information you have is up to date at the time you commence work. This service is consistent with the requirement of Regulation 36 of the Electricity Supply Regulations and paragraph 79 of the New Road and Street Works Act. Please contact Data Management on **0800 195 4749** to arrange an appointment to view the records.



304 Bridgewater Place
Birchwood Park
Warrington
WA3 6XG

www.enwl.co.uk

Registered in England and Wales
Registered Number 2366949