

## Archaeological Monitoring of Metro North Utility Slit Trenching, Dublin City.

**Licence Number:** 08E956

**Project code:** RPUT09

**Director:** Tara Doyle

**Client:** RPA

**Date:** October 2009

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## Executive Summary

Archaeological monitoring of 43 slit trenches was undertaken between 18 May 2009 and 5 July 2009. These trenches were necessary to identify the location, size and level gradient of all existing utilities and associated features including underground culverts and basements. This investigation was carried out on behalf of the Railway Procurement Agency as part of the design and construction of the proposed Metro North light rail project. These slit trenches were situated at several locations across Dublin City Centre from the Mater Hospital/North Circular Road in the north, to St. Stephens Green in the south. A total of 13 slit trenches were located in close proximity to three National Monuments. Under Section 14 of the National Monuments (Amendment) Act 2004, these trenches required Ministerial Consent prior to excavation and included the Daniel O'Connell Monument (E3964), the William Smith O'Brien Monument (E3965) and St. Stephens Green Park (E3963). The remaining 29 slit trenches were excavated in accordance with the conditions of Section 26 of the National Monuments Act (as amended) and known as Metro North, Section MN107, Dublin City (08E956).

This report is concerned with the 29 trenches excavated to the north and south of the River Liffey. To the north of the city trenches were placed on the North Circular Road (ST 736 and ST 742), Leo Street (ST 739, ST 740, ST 741 and ST 743 A and B), Parnell Square East (ST 701, ST 702, ST 703, ST 704, ST 705, ST 706, ST707, ST708 and ST738) and O'Connell Street (ST781, ST 717, ST716, ST714 and ST713). Trenches to the south of the city were placed on D'Olier Street (ST 720 and ST 721), Westmoreland Street (ST 722, ST 723, ST 724, ST 725 and ST 726), and King Street South (ST 732).

Excavation of all 29 trenches resulted in the temporary removal of pavement and/or carriageway. The permanent surfaces were removed using a con-saw and jack hammer. Each trench was subsequently hand dug. Upon completion of archaeological and utility recording and survey, the trenches were backfilled and the appropriate surface reinstated.

Post-medieval deposits were identified within 11 trenches (ST 741, ST 713, ST 716, ST 717, ST 718, ST 720, ST 721, ST 722 ST 723, ST 726 and ST 732) .across the city. The majority of these were deemed not to be *in situ*. Red brick cellars were identified in four trenches (ST 708, ST 721, ST723, ST 726) and are most probably the basements of nearby upstanding buildings. A mortared surface was identified in ST 702 and a red brick coal chute in ST 703 on Parnell Square East. Again these are most probably related to the nearby buildings. A possible stone wall was identified in ST 716 on O'Connell Street and a metalled surface in ST721 on D'Olier Street. All of the archaeological features and deposits encountered were post-medieval in date.

## 1. Introduction

This report presents the results of archaeological monitoring of 29 slit trenches located to the north and south of the City centre (Figure 1). Initially, the licence for the works was issued to RPA Archaeologist Eimear Dennehy. This was later transferred to Tara Doyle of Headland Archaeology (Ireland) Ltd who is license eligible.

An archaeological excavation licence was issued in accordance with the conditions of Section 26 of the National Monuments Act (as amended).

## 2. Background

A total of 29 trenches were investigated on several well known streets north and south of Dublin City centre. The north side of the city included North Circular Road, Leo Street, Parnell Square East and O'Connell Street. To the south of the city trenches were opened on D'Oiler Street, Westmoreland Street, and South King Street.

The North Circular Road is an important thoroughfare on Dublin's northside. It was long considered the northern boundary of the city and still separates the city centre from the inner suburbs. It is also known for Pevsner architecture. The North Circular Road runs from the Phoenix Park in the west through Phibsboro, to North Wall in the east and is the location of a number of important institutions, The Mater Hospital and Mountjoy Prison are on the North Circular Road. Leo Street is a 19th century residential street directly to the west of North Circular Road. The street contains red brick terraced houses with small yards to the rear.

Parnell Square is a central square which is named after Charles Parnell, a 19th century advocate for Irish independence. This square is a significant Georgian square at the north end of O'Connell Street. Formerly named Rutland Square, it is surrounded on three sides by original intact Georgian terraced houses. Towards the north side of the square, one can see the Garden of Remembrance in which a memorial commemorates the Irish war victims who laid down their lives from 1919-1922. This garden opened in 1966 and was designed by architect Daithi Hanly. The square has been witness to numerous historic events.

O'Connell Street or Sráid Uí Chonaill is Dublin's main thoroughfare. It is one of Europe's widest streets and measures 49 m in width at its southern end, 46 m at the north, and is 500 m in length. O'Connell Street has its origins in a street named Drogheda Street dating from the 17th century. It was laid out by Henry Moore, Earl of Drogheda and was a third of the present width of O'Connell Street. It was located on the site of the modern eastern carriageway and extending from Parnell Street to the junction with Abbey Street. In the 1740s, a wealthy banker and property speculator by the name of Luke Gardiner acquired the upper part of Drogheda Street extending down to Henry Street as part of a much larger land deal. He demolished the western side of Drogheda Street creating an exclusive elongated residential square, thus establishing the scale of the modern-day thoroughfare. Gardiner also laid out a mall down the central section of the street, lined with low granite walls and obelisks topped with oil-fuelled lamp globes. It was planted with trees a few years later. He titled the new development 'Sackville Street' after the then Lord Lieutenant of Ireland, Lionel Cranfield Sackville, Duke of Dorset. It was also known as 'Sackville Mall', 'Gardiner's Mall' or simply 'The Mall'.

It was not until 1777 that the planning body in the city, the Wide Streets Commission, obtained a financial grant from Parliament and work could begin to realise Gardiner's plan.

For the next 10 years work progressed in demolishing myriad dwellings and other buildings, laying out the new roadway and building new terraces. Upon completion *c.* 1785-90, one of the finest streets in Europe had been created. The street became a commercial success upon the opening of Carlisle Bridge, designed by James Gandon, in 1793 for pedestrians and 1795 for all traffic.

During the 19th century further changes took place on Sackville Street, resulting in the gradual erosion of the unified classical street created by the Wide Streets Commission and its replacement with an ostentatious high-Victorian boulevard, comprised of elaborate individual buildings. One of the world's first purpose-built department stores was such a building: Delany's New Mart 'Monster Store' was built in time for the Dublin Exhibition of 1853 and was later purchased by the Clery family in the 1880s. It also housed the Imperial Hotel. Across the road, another elaborate hotel was built next to the GPO: the Hotel Metropole, in a high-French style. Similarly the Gresham Hotel opened in 1817 to the north of the street in adjoining Georgian townhouses and was later remodeled as it became more successful. By 1900 Sackville Street had become a well known shopping and business location and a highly successful city centre thoroughfare that had earned the title of 'Ireland's Main Street'.

The Easter Rising of 1916 led to the street's bombardment for a number of days by the gunboat *Helga* of the Royal Navy and several other artillery pieces which were brought up the Liffey to fire on the north of O'Connell Street. In 1924, Dublin Corporation renamed the street in honor of Daniel O'Connell, a nationalist leader of the early nineteenth century whose statue stands at the lower end of the street, facing O'Connell Bridge. The William Smith O'Brien Statue was designed and sculpted by Thomas Farrell. It was originally erected in 1870 and stood on an island at the O'Connell Bridge entrance to D'Olier Street, but it was later moved to O'Connell Street in 1929.

D'Olier Street and Westmortland Street are broad streets whose northern ends meet at the southern end of O'Connell Bridge over the River Liffey. D'Olier Street's southern end meets Fleet Street, Townsend Street, College Street and Pearse Street. It is named after Jeremiah D'Olier (1745-1817), a Huguenot goldsmith and a founder of the Bank of Ireland. D'Olier was the City Sheriff in 1788 and a member of the Wide Streets Commission. The street was one of the last major interventions in the Dublin city plan to be executed by the Wide Streets Commissioners. From 1895 to 2006 the Irish Times was based in D'Olier Street, leading the paper to be nicknamed *The Old Lady of D'Olier Street*. The paper is now based in Tara Street. In 1830, Samuel Lover was secretary of the Royal Hibernian Academy and lived at Number 9 D'Olier Street. Westmoreland Street is named after John Fane, 10th Earl of Westmorland, who was Lord Lieutenant of Ireland from 1789 to 1794.

The Gaiety Theatre is situated on South King Street. It opened on 27 November, 1871, with the Lord Lieutenant of Ireland as guest of honour. The theatre is known as the Grand Old Lady of South King Street and has remained a vital and ever changing expression of Irish culture and Irish society.

### 3. Objectives

The objectives of archaeologically monitoring the 29 trenches was to record and determine the character of any previously unknown archaeology within each trench and to recover artefacts according to the conditions stated with the issued archaeological licence (08E956). This involved monitoring the excavation of slit trenches necessary to identifying the location, size and level gradient of all existing sub-surface utilities and associated features.

### 4. Methods

Excavation of all 29 trenches resulted in the temporary removal of pavement and/or carriageway. The trenches were fenced off and a traffic/pedestrian management plan was set in place by GMC Ltd. The permanent surfaces were removed using a con-saw and jack hammer. Each trench was subsequently hand dug to a depth where utilities/archaeological features or deposits were encountered. The majority of post-medieval archaeological deposits were discovered not to be *in situ*, these deposits were hand dug and all artefacts present were recovered. Upon completion of archaeological and utility recording and survey, the trenches were backfilled and the appropriate surface immediately reinstated.

### 5. Results

As mentioned above, a total of 29 slit trenches were excavated in several locations across Dublin city centre. Each trench is described in detail below.

#### North Circular Road

Two trenches (ST 736 and ST 742) were located on the North Circular Road (Figure 2). ST 736 was orientated in a north-south direction and measured approximately 13 m long by 0.60 m wide and was 0.50 m – 0.70 m deep. A second trench, ST 742 was situated to the immediate north of ST736. It was also orientated in a north-south direction and measured 3.50 m long by 0.90 m wide and was 0.50 m -0.80 m deep. Several utilities were identified within both ST 736 and ST742. No archaeological features or deposits were encountered.

#### Leo Street

A total of five trenches (ST 739, ST 740, ST 741, ST 743 A and ST 743 B) were situated on Leo Street. Three of these trenches were placed in the yards of two houses. The first house, Number 26, had one trench located in the backyard and one to the gable end of the house (Figure 3). The first trench, ST 741, measured 1.20 m long by 0.60 m wide, was 1.20 m deep and was orientated in an east-west direction (Plate 1). Under the modern surface was moderately compact medium brown silty clay with red brick, charcoal, mortar, rubble and oyster shell inclusions (023). Two post-medieval pottery sherds were recovered from this fill and included a creamware base sherd (08E956:023:001, Appendix 2) and a yellow patterned rim sherd (08E956:023:002, Appendix 2). Utilities were identified within this trench and no further archaeological features or deposits were encountered. The second trench, ST 740, was located at the gable end of Number 26. This was orientated in a east-west direction and measured 1.20 m long by 0.60 m wide and was 1.20 m deep. Several utilities were identified and no archaeological features or deposits were encountered. A third trench was situated in the backyard of a house to the north of Leo Street. ST 739 was orientated in a north-south direction. It measured 1.20 m long by 0.60 m wide and was 1.20 m deep. Several utilities were identified and no archaeological features or deposits were encountered.



Two trenches were located on Leo Street itself. ST 743A was situated on the pavement and carriageway to the north of Leo Street. It was orientated in an east-west direction, measuring approximately 6 m long by 0.60 m wide and was 0.50 m – 0.70 m deep. ST 743 B was situated on the carriageway only and was located to the south of ST743A. It measured 5.75 m long by 0.60 m wide and was 0.50 m – 0.70 m deep. Several utilities were identified in both trenches and no archaeological features or deposits were encountered.

#### Parnell Square East

A total of 9 trenches were excavated in this area and included ST 701, ST 702, ST 703, ST 704, ST 705, ST 706, ST 707, ST 708 and ST 738 (Figure 4).

ST 701 was located on the pavement to the north of Parnell Square East. It was orientated in a northeast-southwest direction and in total measured approximately 6 m long by 0.60 m wide and was 0.40 m – 0.73 m deep. Several utilities were identified within this trench and included ESB, Eircom and water. No archaeological features or deposits were encountered.

ST 702 was situated to the immediate south of ST 701. It was orientated in a northwest-southeast direction and measured 2.30 m long by 0.40 m wide and was 0.80 m – 0.90 m deep. A lime mortared surface that was comprised of small worn flat slabs (001) was found under modern material at a depth of 0.90 m (Plate 2). It was situated in the centre of the trench and was approximately 2 m long. This surface was considered archaeological in nature and no further excavation was carried out. ST 703 was situated to the immediate southeast of ST 702 described above. It was orientated in a northeast-southwest direction and measured 2.20 m long by 0.60 m wide and was 0.60 m - 0.90 m deep. A post-medieval coal chute (002) was identified to the east of the trench (Plate 3). It was circular in shape and comprised of a red brick wall with a course of granite stone at the top. It measured 0.25 m in diameter and was located at a depth of 0.30 m from the surface. Several utilities were located further east and west of the coal chute. ST 704 was located further south of ST 703 on Parnell Square East. It was orientated in a northeast-southwest direction and measured 3.40 m long, by 0.60 m wide. It was excavated to a depth of 0.50 m. Several utilities were identified within this trench and no archaeological features were encountered.

Directly southeast of ST 704 was ST 738. It was orientated in a northeast-southwest direction and measured approximately 7 m long by 0.63 m wide and was 0.05 m – 1.05 m thick. Several utilities were identified within this trench and no archaeological features were encountered.

ST 705 was located southeast of ST 704. It was orientated in a northeast-southwest direction and was situated on the carriageway only. It measured approximately 5 m long by 0.60 m wide and was 0.50 m deep. Several utilities were identified within this trench including gas. No archaeological features or deposits were encountered in this trench. Both ST 706 and ST 707 were located on the carriageway, southeast of ST 705. Both trenches were joined and formed an L-shaped in plan. ST 706 was orientated in a northwest-southeast direction and measured approximately 2 m long by 0.60 m wide and was 0.40 m – 0.50 m deep. ST 707 was orientated in a northeast-southwest direction and measured 3 m long by 0.60 m wide and was 0.40 m deep. A large pipe emerged from modern material in this trench. No archaeological features or deposits were encountered in either trench. ST 708 was located on the pavement and carriageway approximately 4 m southeast of L-shaped trench ST 706 and ST 707. It was linear in plan and orientated in a northeast-southwest direction. It measured approximately 6 m long by 0.65 m wide and was 0.40 m – 1.80 m deep. A red brick cellar (003) was identified on the pavement side of the trench. It arched slightly to the west. The exposed part of the cellar measured 0.60 m long by 0.60 m wide and it was identified at a depth of 0.80 m from

the surface. Utilities were identified to the east and west of the cellar and included ESB, Water, Eircom and unidentifiable pipes.

#### O'Connell Street

A total of five trenches (ST 713, ST 714, ST 716, ST 717 and ST 718) were excavated on O'Connell Street (Figure 5). ST 713 was located on the western pavement of O'Connell Street adjacent to Clarkes Shoeshop. It was linear in plan and orientated in a northeast-southwest direction. It measured approximately 9 m long by 0.60 m wide and was 0.40 m – 1 m deep. Several utilities were identified within this trench. Located to the east of this trench was moderately compact black brown silty clay (004) with rubble and red brick inclusions. It measured approximately 2 m long by 0.60 m with unknown thickness. The utility pipes lay directly over this deposit with no obvious truncations. ST 714 was located approximately 8.50 m southwest of ST 713 on the western pavement of O'Connell Street. It measured approximately 9 m long by 0.60 m wide and was 0.10 m deep. It was orientated in a northeast-southwest direction. A cement ceiling of a cellar was encountered for the entire length of the trench and no further excavation was conducted.

Slit trench ST 716 and ST 717 were joined and formed a T-shape in plan and were located approximately 18 m south of ST 712. ST 716 was linear in plan and measured 7.20 m long by 0.60 m wide and was 0.85 m deep. It was orientated in a northwest-southeast direction and was located at the southern junction with O'Connell Street and Abbey Street. A mortared stone wall/surface (006) was identified to the north of the trench (Plate 4). The stones appeared to be faced and measured approximately 0.70 m long by 0.60 m wide with an excavated depth of 0.35 m. It was possibly truncated to the south by ESB cables and to the east by a plastic pipe with sand bedding. A deposit of moderately compact dark brown black silty clay (007) with oyster shell, red brick and mortar inclusions was located directly north of the wall. It measured approximately 2 m long by 0.60 m wide with unknown thickness. A sherd of yellow glazed post-medieval pottery (08E956:007:001, Appendix 2) was recovered from this deposit. ST 717 was orientated in a northeast-southwest direction and measured approximately 8 m long by 0.60 m wide and 0.40 m -1 m deep. Several utilities were identified to the west of the trench. A deposit of moderately compact dark brown black silty clay (008) with oyster shell, red brick and mortar inclusions was located to the east of the trench. It was similar to the deposit found in ST 716 and it measured approximately 2 m long by 0.60 m wide with unknown thickness.

ST 718 was situated approximately 25 m south of ST 717. It was orientated in a northeast-southwest direction and measured approximately 6 m long by 0.60 m wide and was 0.30 m – 1.50 m deep. Several utilities were identified in this trench. A deposit of moderately compact dark brown black silty clay (009) with mortar and red brick inclusions was identified to the east of the trench. It was unclear if this deposit was *in situ* and none of the utilities truncated it. It measured approximately 1 m long by 0.60 m wide and was identified at a depth of approximately 1 m.

#### D'Olier Street

Two trenches, ST720 and ST721, were excavated on D'Olier Street (Figure 6). Initially archaeological deposits and a possible wall were encountered at a shallow depth in both trenches. The relationship between these deposits could not be ascertained when the trenches were first opened. Both trenches were reinstated and re-opened at a later date when all resources could be applied to determine the nature of the archaeology involved. Within ST 720 (Figure 7) the upper archaeological deposits and possible wall (011) were found not to be *in situ*. Excavation revealed a mixed deposit of moderately compact dark brown black silty

clay (012) with charcoal, stone and red brick inclusions (Plate 5). A total of 31 post-medieval pottery sherds (08E956:012:001-011, 08E956:014 and 017-035, Appendix 2), two ceramic tobacco pipe stems (08E956:012:015 and 016, Appendix 2) and two glass sherds (08E956:012:012 and 013, Appendix 2), possibly from an onion bottle were recovered from this fill. The deposit measured approximately 4 m long by 1.40 m wide and was dug to a depth of 1.20 m. An undisturbed metalled surface (013) was located to the eastern side of the trench. It was located at a depth of 0.56 m from the road surface and comprised of flat stones that on average measured between 0.10 m – 0.20 m in diameter (Plate 6). A ceramic tobacco pipe stem (08E956:013:001, Appendix 2) was recovered from the metalled surface.

Similar to ST 720, the upper archaeological deposits first identified within ST 721 (Figure 8) were also not *in situ*. A post-medieval deposit of moderately compact mixed dark brown black silty clay (016) with charcoal, stone and red brick inclusions was identified throughout the trench. It measured approximately 2.70 m long by 0.80 m wide with a known maximum depth of 1.50 m. A total of 14 post-medieval pottery sherds (08E956:016:001-014, Appendix 2) were recovered from this deposit. Animal bone (08E596:002-003, Appendix 3) was also identified and sampled. A red brick cellar (015) was located to the west of the trench. It had a known length of 3.85 m and was found at a depth of 0.90 m from the road surface. It consisted of red bricks bonded with a lime mortar (Plate 7). It remained unclear if the cobbled surfaces (010) and (014) located directly under the road surface were *in situ*. Similar to the trenches excavated on O'Connell Street, the post-medieval deposits encountered in trenches ST 720 and ST 721 may have been imported from elsewhere and used to level the ground prior to further construction works.

#### Westmoreland Street

ST 722 was situated on the eastern side of Westmoreland Street and incorporated both pavement and carriageway. It was linear in plan and orientated in an east-west direction. It measured approximately 8.50 m long by 0.60 m wide and was 0.25 m – 1.10 m deep. A deposit of moderately compact dark brown silty clay (017) with charcoal, red brick and stone inclusions was identified within this trench. It was not obviously disturbed and several utilities directly overlay it. Five post-medieval pottery sherds were recovered and included three creamware pottery sherds (08E956:017:002-003, 005), a black glazed red earthenware pottery sherd (08E956:017:001) and a sherd of blue and white transfer print ware (08E956:0017:004). ST 723 was located on the eastern side of Westmoreland Street directly south of ST 722. It measured approximately 10 m long by 0.60 m wide and was 0.30 m – 1.10 m deep. Similar to ST 722, utility pipes directly overlay an archaeological deposit (018). The ceiling of a cellar or wall (019) was also identified within this trench, approximately 1 m from the pavement surface and measured approximately 1 m in length by 0.60 m wide.

The remaining three trenches along Westmoreland Street were situated on the western pavement. The northernmost trench ST 724 was located on the corner with Ashton Quay. It was linear in plan and orientated in a north-south direction. It measured 6 m long by 0.60 m wide with a depth of 0.05 m – 1 m. Several utility pipes were identified within this trench and no archaeological features were encountered. ST 725 was located approximately 2.50 m southeast of ST 724. It was linear in plan and orientated in a north-south direction. It measured 6 m long by 0.60 m wide with a depth of 0.05 m – 0.25 m. A cement cellar ceiling was identified in this trench. It measured 5.50 m in length. Utility pipes were identified within the remaining 0.50 m of trench ST 725. No archaeological features or deposits were encountered. ST 726 was situated directly south of ST 725 on Westmoreland Street. It was orientated in an east-west direction and measured 3 m long by 0.60 m wide and was 0.05 m – 0.45 m deep. A red brick sloping cellar ceiling (020) was identified to the west of the trench

(Plate 8). It sloped from 0.30 m – 0.45 m from the pavement surface and measured 0.50 m long by 0.60 m wide. Directly over it was a deposit of loosely compact medium brown silty clay (021) with charcoal, stone and red brick inclusions. It measured approximately 1 m long by 0.60 m wide with unknown thickness. A total of eight post-medieval artefacts were recovered from this deposit. These included a sherd of black glazed red earthen ware (08E956:021:001), two shards of green glass (08E956:021:002, 007, Appendix 2), two stems from a ceramic tobacco pipe (08E956:021:003,008, Appendix 2), a sherd of brown glazed red earthen ware (08E956:021:004, Appendix 2) and two sherds of creamware pottery sherds (08E956:021:005-006). Animal bone (08E965:001, Appendix 3) was also recovered from this fill. Utilities were identified within the remainder of the trench at a depth of approximately 0.25 m.

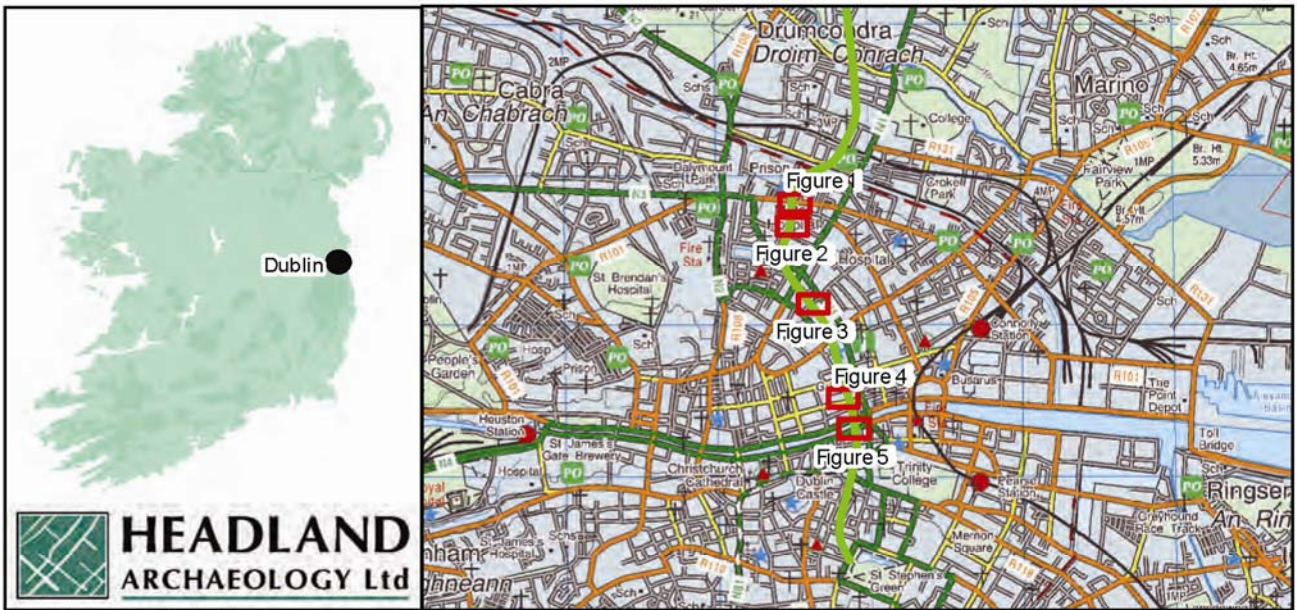
The final trench, ST 732 was located further to the south on South King Street, at the junction with St. Stephens Green and Grafton Street (Figure 9). The trench was orientated in a northeast-southwest direction and measured 6 m long by 0.60 m wide and was 1.20 m deep. A post-medieval deposit of moderately compact medium brown silty clay (022) with charcoal and red brick inclusions was identified within this trench. The deposit measured 3 m long by 0.60 m wide with unknown depth. Two sherds of creamware pottery (08E956:022:001-002, Appendix 2) were recovered from this deposit.

## 6. Discussion

In general, with the exception of ST714 on O'Connell Street, all trenches contained a number of modern utilities. Post-medieval archaeological deposits were identified in ST 741, ST 713, ST 716, ST 717, ST 718, ST 720, ST 721, ST 722 ST 723, ST 726 and ST 732. Some utilities were located under disturbed post-medieval archaeological deposits. Many of the archaeological deposits investigated were deemed not to be *in situ*. In antiquity it is possible these rubble deposits were imported from elsewhere or were the rubble remains of older demolished buildings and were used to raise the surrounding ground level for further development. In recent modern times these deposits became further disturbed with the introduction of new utilities. Red brick cellars were identified in ST 708, ST 721, ST723, ST 726; these are most probably the basements of nearby upstanding buildings. A mortared surface was identified in ST 702 and a red brick coal chute in ST 703 on Parnell Square East. Again these are most probably related to the nearby buildings. A possible stone wall was identified in ST 716 on O'Connell Street and a metalled surface in ST721 on D'Olier Street. All of the archaeological features and deposits encountered were post-medieval in date.




## 7. Recommendations

Based on the results of archaeological monitoring in all of the locations described above, it is recommended that any further investigations to be carried out in Dublin City Centre be monitored by a qualified archaeologist under the terms and conditions set down by Department of the Environment, Heritage and Local Government.



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ARCHAEOLOGY Ltd

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KEY	
	Stop Location
	Route of Metro North
	RMP

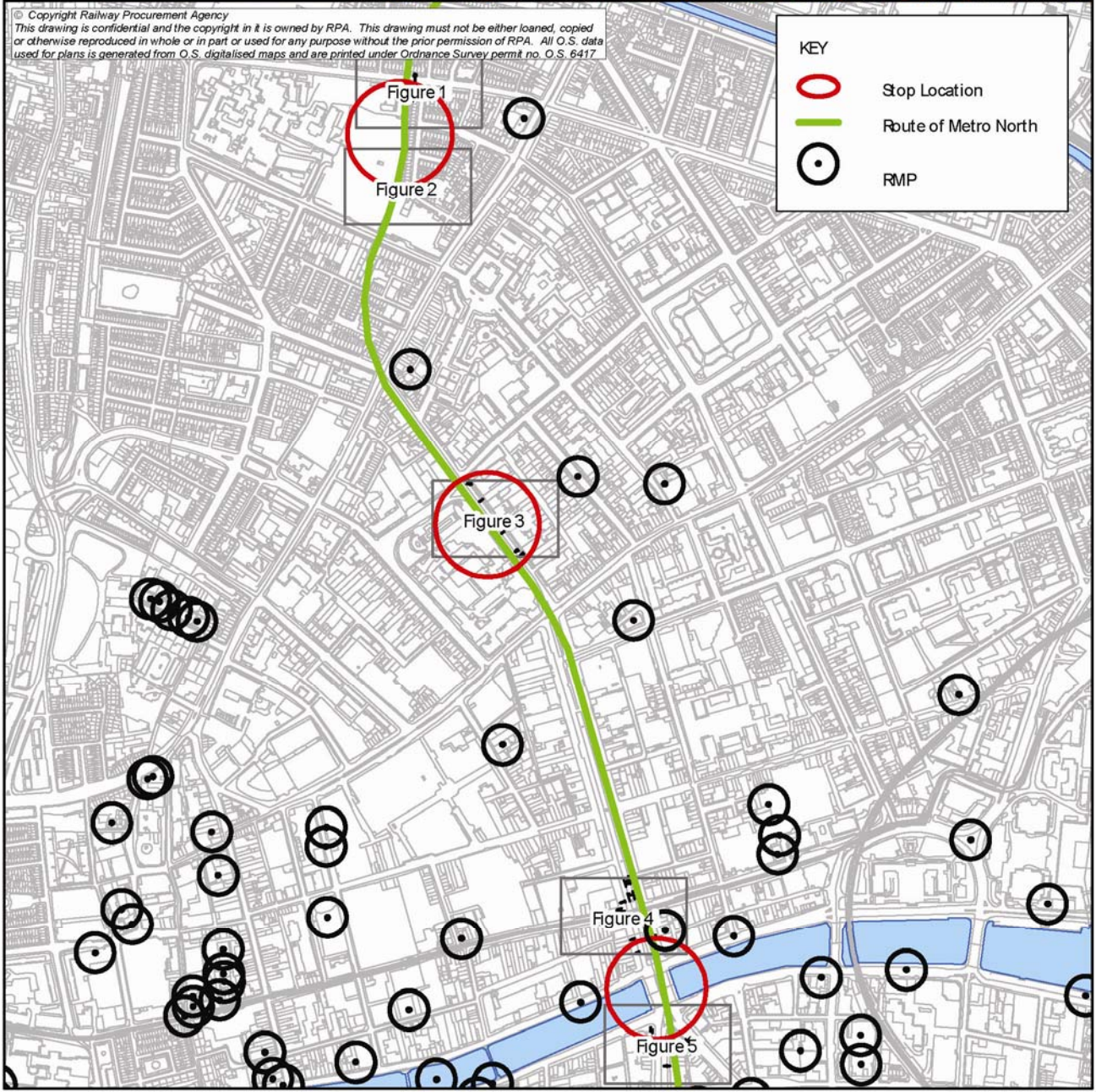
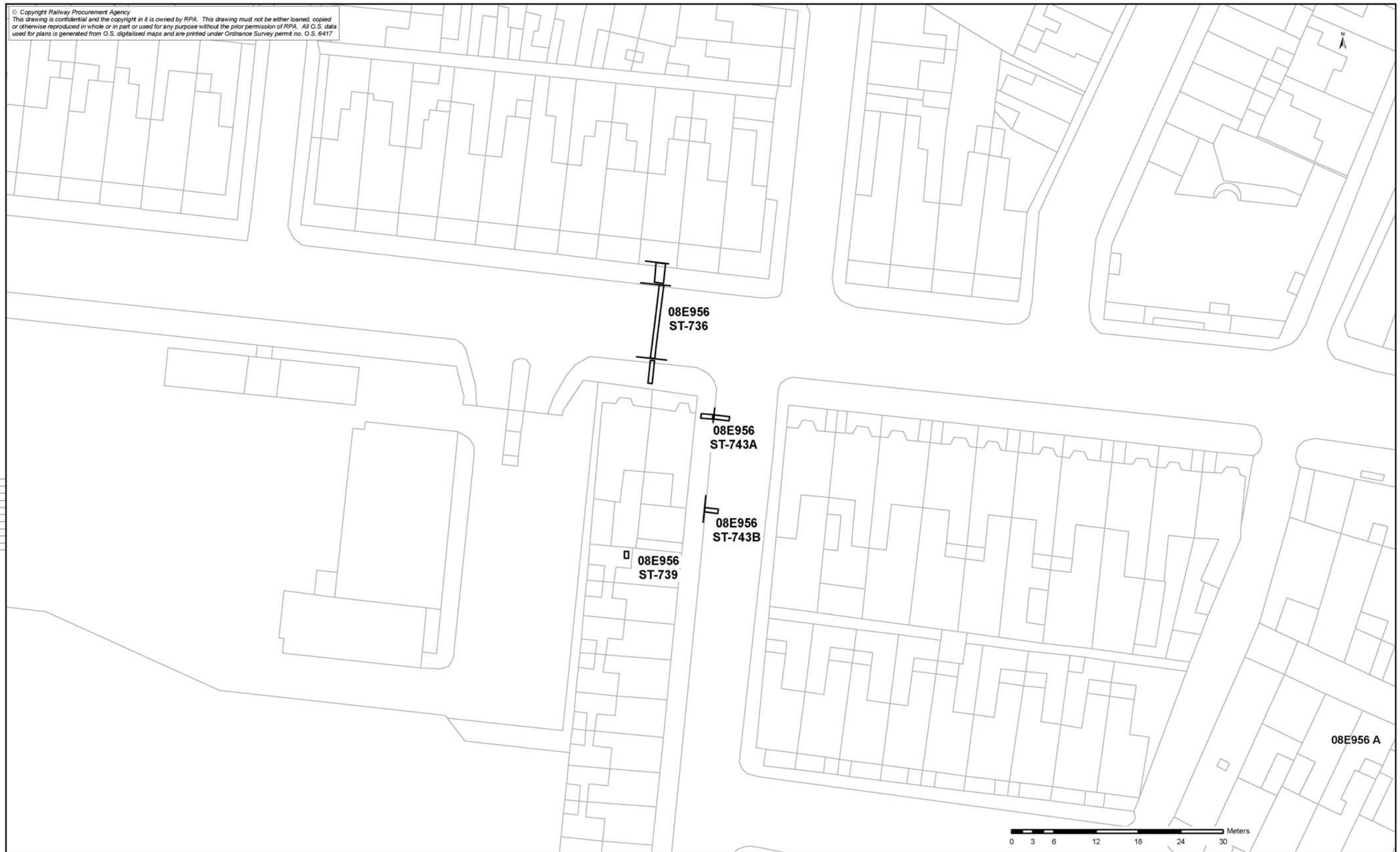




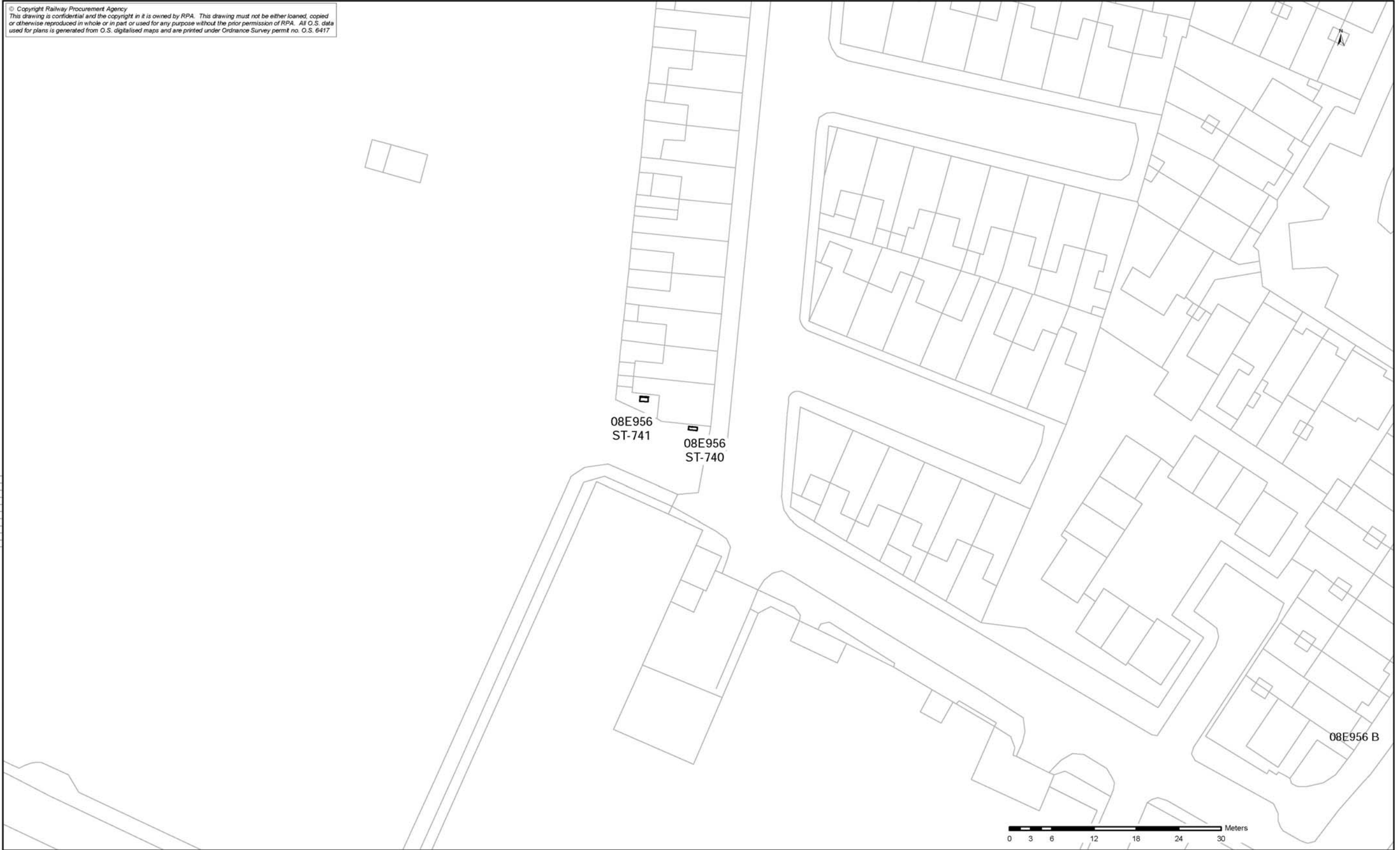
Figure 1 - RPA Utilities Slit Trench Monitoring  
08E956 , Location Map

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		SPECIALIST TOPIC:		Figure 2 - RPA Utilities Slit Trench Monitoring,								
<table border="1"> <tr> <td>PREPARED: James Brigden</td> <td>REVIEWED: Ross MacLeod</td> <td>APPROVED: INITIALS</td> </tr> <tr> <td>CHECKED: Jonathan Millar</td> <td>CHECKED: Damian Shiels</td> <td>DATE: October 2009</td> </tr> <tr> <td>DATE: October 2009</td> <td>DATE: October 2009</td> <td>SCALE: 1:500 at A3</td> </tr> </table>	PREPARED: James Brigden	REVIEWED: Ross MacLeod	APPROVED: INITIALS	CHECKED: Jonathan Millar	CHECKED: Damian Shiels	DATE: October 2009	DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3	AREA NO.	PLAN NO.	SUBJECT: Utility slit trench monitoring
PREPARED: James Brigden	REVIEWED: Ross MacLeod	APPROVED: INITIALS										
CHECKED: Jonathan Millar	CHECKED: Damian Shiels	DATE: October 2009										
DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3										

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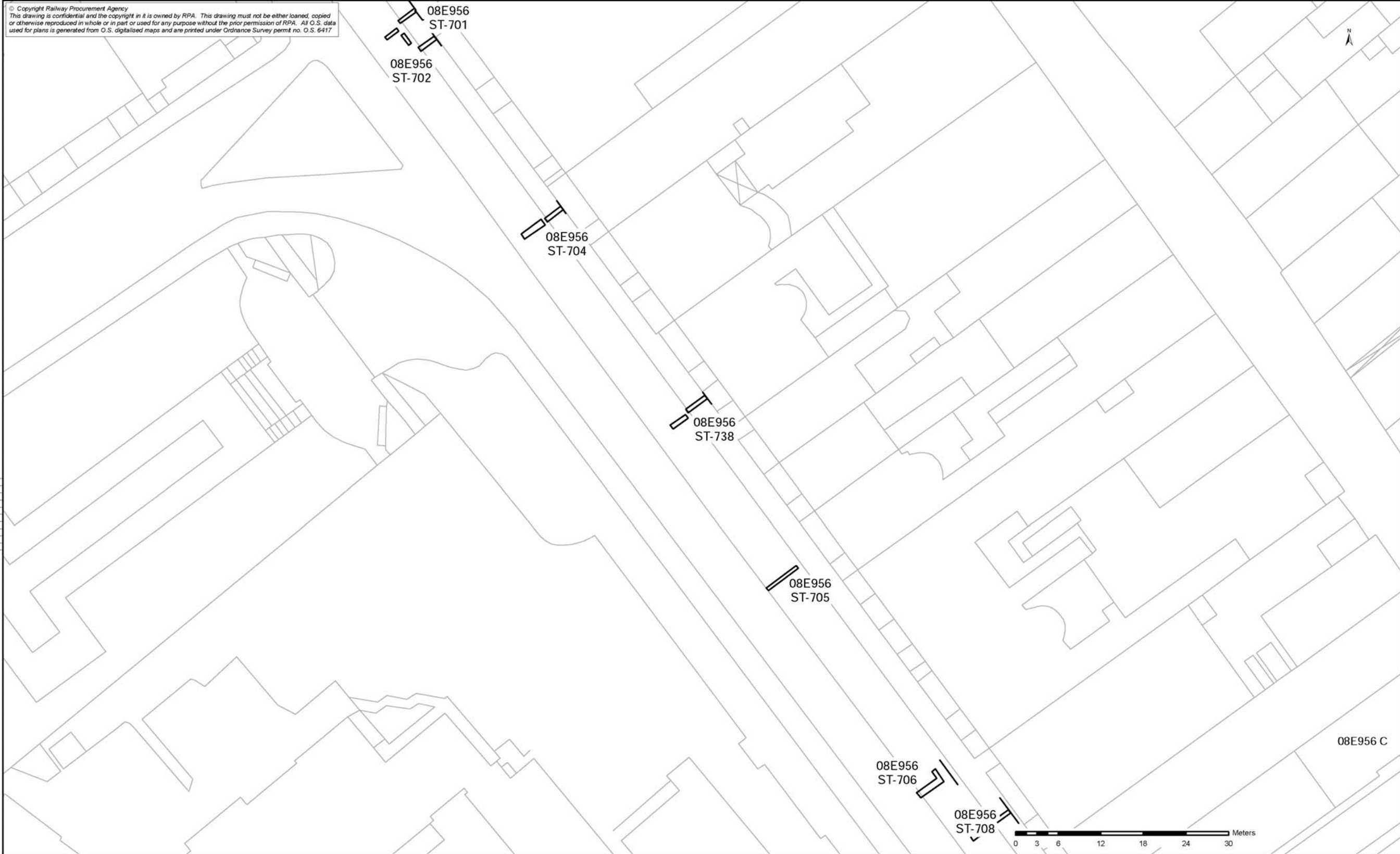
LOCATION: Sheet 2 of 2

SPECIALIST TOPIC:  
**Figure 3 - RPA Utilities Slit Trench Monitoring,**

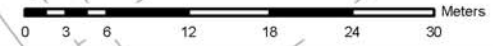
PREPARED: James Brigden	REVIEWED: Ross MacLeod	APPROVED: INITIALS
CHECKED: Jonathan Millar	CHECKED: Damian Shiels	DATE: October 2009
DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3

AREA NO.	PLAN NO.	SUBJECT: Utility slit trench monitoring
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08E956 C



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DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3

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SPECIALIST TOPIC:  
 Figure 4 - RPA Utilities Slit Trench Monitoring,

AREA NO. \_\_\_\_\_ PLAN NO. \_\_\_\_\_ SUBJECT: Utility slit trench monitoring



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DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3

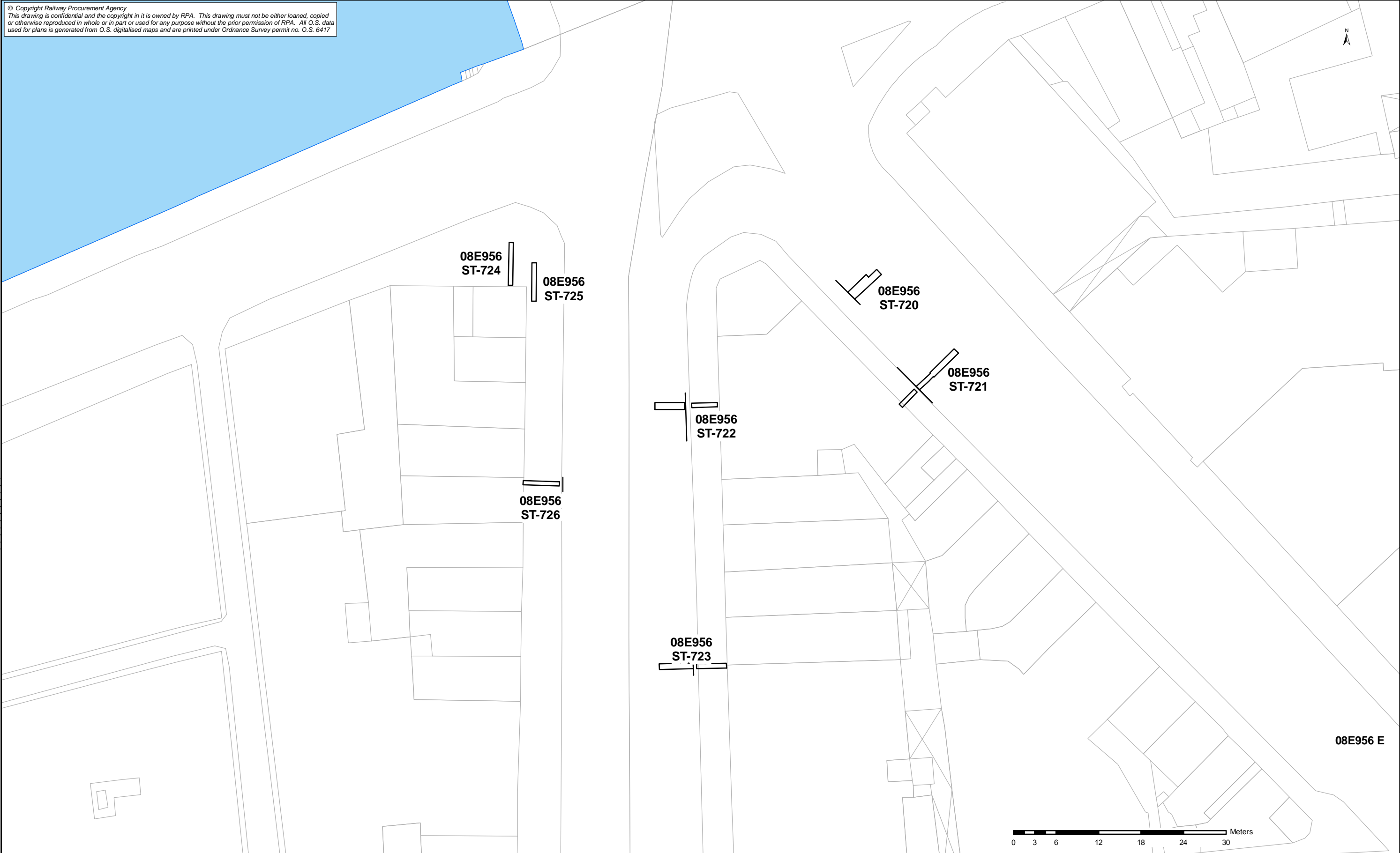
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SPECIALIST TOPIC:  
 Figure 5 - RPA Utilities Slit Trench Monitoring,

AREA NO. \_\_\_\_\_ PLAN NO. \_\_\_\_\_ SUBJECT: Utility slit trench monitoring

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SPECIALIST TOPIC:  
**Figure 6 - RPA Utilities Slit Trench Monitoring,**

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DATE: October 2009	DATE: October 2009	SCALE: 1:500 at A3

AREA NO. PLAN NO. SUBJECT: Utility slit trench monitoring

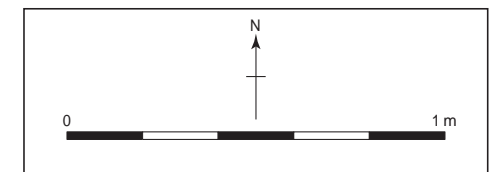
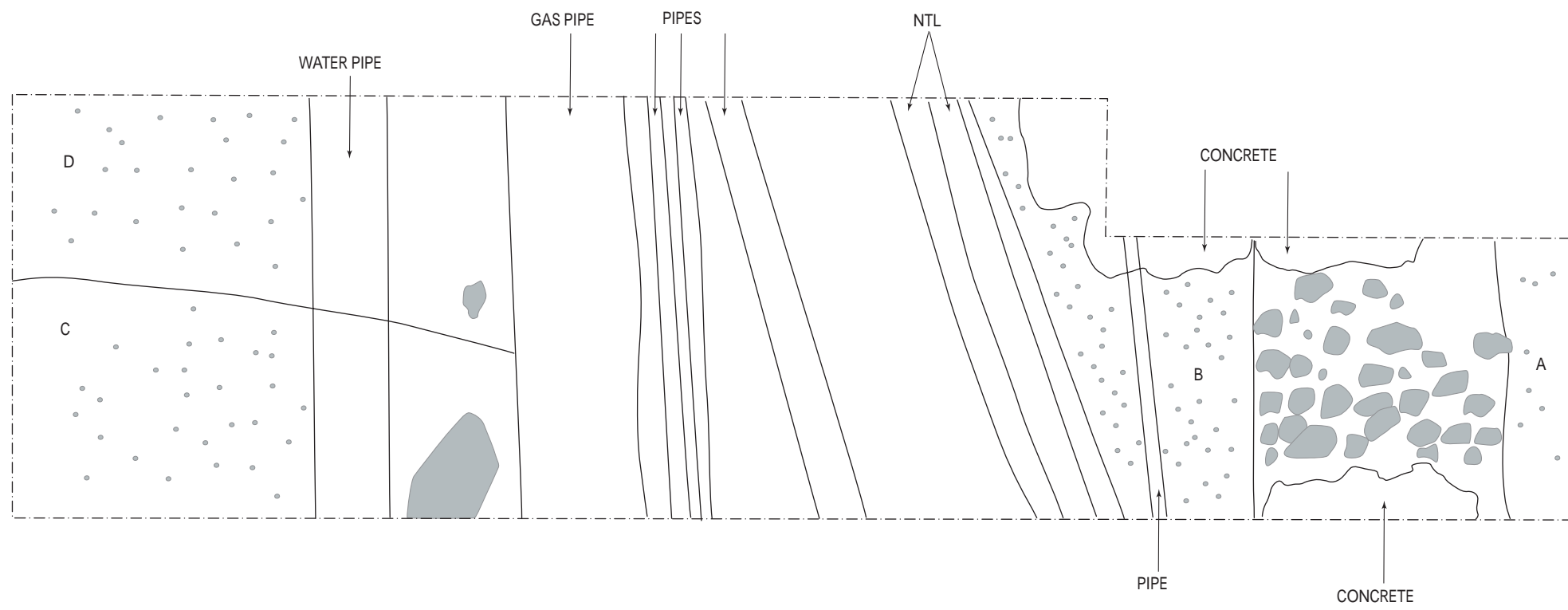


Figure 7 - RPA Utilities Slit Trench Monitoring: 08E956, Plan of slit trench 720.

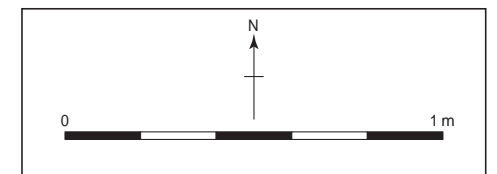
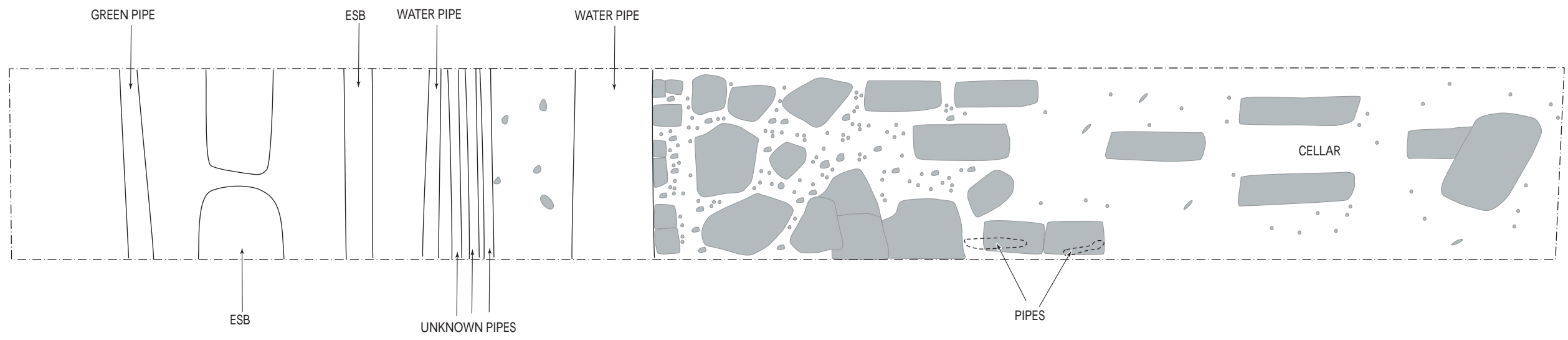


Figure 8 - RPA Slit Trench Monitoring:  
08E956, Plan of slit trench 721.



Plate 1 - Mid-ex of ST741, Leo St., east-facing.



Plate 2 - Mid-ex of ST702, Parnell Sq. East, north-facing.



Plate 3 - Coal shute in ST703, Parnell Sq. East, north-facing.



Plate 4 - Mid-ex of ST716, showing possible wall, O'Connell St., south-facing.



Plate 5 - Mid-ex of disturbed deposit (012), ST720, D'Olier St., west-facing.



Plate 6 - Mid-ex of disturbed surface (013), ST720, D'Olier St., northwest-facing.



Plate 7 - Mid-ex of cellar in ST721, D'Olier St., south-facing.



Plate 8 - Mid-ex of ST726, showing cellar Westmoreland St., west-facing.

**Appendix 1: Context Register**

<b>Context No</b>	<b>Type, Cut/fill deposit</b>	<b>Description</b>	<b>Interpretation</b>
001	Surface	Mortared surface with small worn flat slabs found at 0.90 m from ground surface. It measured approximately 2 m long by 0.60 m wide.	Mortared surface in ST 702
002	Coal chute	Red brick coal chute with granite stones located at the top. Circular in shape with a diameter of 0.25 m. It was located at a depth of 0.30 m from the surface.	Coal chute in ST 703
003	Cellar	Red brick cellar ceiling, slightly arched to the west. The exposed part measured approximately 0.60 m long by 0.60 m wide	Cellar ceiling in ST 708
004	Deposit	Moderately compact black brown silty clay with rubble and red brick inclusions. It measured approximately 2 m long by 0.60 m wide with unknown depth. It was located to the east of the trench at a depth of 1 m. Several utility pipes were located directly above it.	Post-medieval deposit within ST 713
005	Surface	Black Tarmac surface found on the carriageway of excavated trenches	Modern road surface
006	Wall	Mortared bonded stone wall located in the middle of the trench. The stones appeared cut and possibly faced. The wall was truncated to the south east by modern utilities (ESB). The surviving wall measured approximately 0.70 m long by 0.60 m wide with unknown depth. It was identified at a depth of approximately 0.35 m.	Stone wall in ST 716
007	Deposit	Moderately compact dark brown black silty clay with oyster shell, post-medieval pottery, red brick and mortar inclusions. It abutted a wall (021) to the south of the trench. It measured approximately 2 m long by 0.60 m wide with unknown thickness	Post-medieval deposit in ST 716
008	Deposit	Moderately compact dark brown black silty clay with oyster shell, post-medieval pottery, red brick and mortar inclusions. It was similar to the deposit found in ST 716 and it measured approximately 2 m long by 0.60 m wide with unknown thickness	Post-medieval deposit in ST 717

Context No	Type, Cut/fill deposit	Description	Interpretation
009	Deposit	Moderately compact dark brown black silty clay with red brick and mortar inclusions. It measured approximately 1 m long by 0.60 m wide with unknown thickness. Several utilities directly overlay this deposit	Post-medieval deposit in ST 718
010	Metalled surface/cobbling	Truncated possible stone metalled surface/cobbling located to the west of the trench. It measured 0.74 m long by 0.60 m wide and was approximately 0.15 m thick. Cement directly overlay this.	Possible stone metalled surface/cobbling in ST 721
011	Wall/surface	Possibly truncated stone wall or surface. No evidence of mortar, a tobacco clay pipe stem was recovered from the middle of the wall. It appeared to be orientated in a northeast/southwest direction and measured 0.60 m long by 0.54 m wide and was located at a depth of 0.66 m from the tarmac carriageway.	Post-medieval stone wall/surface in ST721 and ST720
012	Deposit	Moderately compact dark brown black silty clay with charcoal, stone and red brick inclusions. Not obviously disturbed found to abut wall (011). It measured 4 m long by 1.40 m wide and was dug to a depth of 1.20 m.	Post-medieval deposit in ST721
013	Metalled surface/cobbling	Truncated possible stone metalled surface/cobbling located to the east of the trench. It measured 0.85 m long by 0.90 m wide and was located approximately 0.56 m from the tarmac surface.	Possible stone metalled surface/cobbling in ST 720
014	Metalled surface/cobbling	Truncated possible stone metalled surface/cobbling located to the east of the trench. It measured 1.83 m long by 0.60 m wide and was located approximately 0.19 m from the tarmac surface. Cement directly overlay this.	Possible stone metalled surface/cobbling in ST 721
015	Cellar	Red brick cellar, bonded with a lime /weak mortar. It measured 3.85 m long by 0.80 m wide and was located at a depth of 0.90 m from the tarmac carriageway.	Post-medieval cellar in ST 721
016	Deposit	Moderately compact dark brown black silty clay with charcoal, stone and red brick inclusions. Not obviously disturbed, found to abut wall (011). It measured 3.20 m long by 0.60 m wide and was located at a depth of 0.50 m.	Post-medieval deposit in ST 721



<b>Context No</b>	<b>Type, Cut/fill deposit</b>	<b>Description</b>	<b>Interpretation</b>
017	Deposit	Moderately compact dark brown silty clay with charcoal, stone and red brick inclusions. Not obviously disturbed, utilities lay directly above. It measured approximately 2.70 m long by 0.80 m wide with a maximum depth of 1.50 m.	Post-medieval deposit in ST 722
018	Deposit	Moderately compact dark brown silty clay with charcoal, stone and red brick inclusions. Not obviously disturbed, utilities lay directly above. It measured approximately 0.7 m long by 0.60 m wide and was 0.10 m thick.	Post-medieval deposit in ST 723
019	Cellar	Possible ceiling of a red brick mortared cellar. It measured approximately 1 m long by 0.60 m wide.	Post-medieval cellar in ST 723
020	Cellar	North sloping ceiling of a red brick mortared cellar. It measured approximately 0.50 m long by 0.60 m wide and sloped 0.30 m – 0.45 m from the pavement surface.	Post-medieval cellar in ST 726
021	Deposit	Loosely compact medium brown silty clay with charcoal, stone and red brick inclusions. Overlay part of a cellar ceiling (020). It measured approximately 1 m long by 0.60 m wide with unknown thickness.	Post-medieval deposit in ST 726
022	Deposit	Moderately compact medium brown silty clay with charcoal, stone and red brick inclusions. It measured approximately 3 m long by 0.60 m wide with unknown thickness.	Post-medieval deposit in ST 732
023	Deposit	Moderately compact medium brown silty clay with charcoal, stone and red brick and oyster shell inclusions. It measured approximately 1.20 m long by 0.60 m wide with unknown thickness. A depth of 1.20 m was excavated	Post-medieval deposit in ST 741

**Appendix 2: Finds Register**

<b>Find No.</b>	<b>Slit Trench</b>	<b>Material</b>	<b>Type</b>	<b>Description</b>	<b>Habitat</b>
08E956:007:001	ST 716	Ceramic	Sherd	Yellow glazed rim sherd, post-medieval	Headland Office
08E956:013:001	ST 720	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:012:001	ST 720	Ceramic	Sherd	Broken (6 sherds) shell edgeware, post-medieval	Headland Office
08E956:012:002	ST 720	Ceramic	Sherd	Creamware sherd, post-medieval	Headland Office
08E956:012:003	ST 720	Ceramic	Sherd	Red earthenware, interior mottled green, yellow, brown glazed, beginning of broken strap handle on the outside	Headland Office
08E956:012:004	ST 720	Ceramic	Base Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:005	ST 720	Ceramic	Base Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:006	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:007	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:008	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:009	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:010	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:011	ST 720	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:012:012	ST 720	Glass	Base Shard	Small shard of green glass, possibly from an onion bottle, post-medieval	Headland Office
08E956:012:013	ST 720	Glass	Shard	Small shard of green glass, possibly from an onion bottle, post-medieval	Headland Office
08E956:012:014	ST 720	Ceramic	Sherd	Grey, blue German stoneware, Westerwald, post 1650.	Headland Office

08E956:012:015	ST 720	Ceramic	Stem and part of bowl	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:012:016	ST 720	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:012:017	ST 720	Ceramic	Sherd	Red earthenware unglazed	Headland Office
08E956:012:018	ST 720	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:012:019	ST 720	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:012:020	ST 720	Ceramic	Sherd	Blue shell edgeware, post-medieval	Headland Office
08E956:012:021	ST 720	Ceramic	Sherd	Green shell edgeware, post-medieval	Headland Office
08E956:012:022	ST 720	Ceramic	Sherd	Green shell edgeware, post-medieval	Headland Office
08E956:012:023	ST 720	Ceramic	Sherd	Red earthenware unglazed	Headland Office
08E956:012:024	ST 720	Ceramic	Sherd	Stoneware, post-medieval	Headland Office
08E956:012:025	ST 720	Ceramic	Sherd	Creamware sherd from plate, post-medieval	Headland Office
08E956:012:026	ST 720	Ceramic	Sherd	Creamware sherd from plate, post-medieval	Headland Office
08E956:012:027	ST 720	Ceramic	Sherd	Creamware sherd from plate, post-medieval	Headland Office
08E956:012:028	ST 720	Ceramic	Handle Sherd	Creamware sherd from plate, post-medieval	Headland Office
08E956:012:029	ST 720	Ceramic	Handle Sherd	Red earthenware unglazed	Headland Office
08E956:012:030	ST 720	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:012:031	ST 720	Ceramic	Sherd	Stoneware, post-medieval	Headland Office
08E956:012:032	ST 720	Ceramic	Sherd	Mustard coloured glazed sherd, post-medieval	Headland Office
08E956:012:033	ST 720	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:012:034	ST 720	Ceramic	Sherd	Blue/white coloured glazed sherd, post-medieval	Headland Office
08E956:012:035	ST720	Ceramic	Sherd	Tin glazed white ware, post-	Headland Office

				medieval	
08E956:016:001	ST721	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:168:002	ST721	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:016:003	ST721	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:016:004	ST721	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:016:005	ST721	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:016:006	ST721	Ceramic	Handle Sherd	Creamware sherd, post-medieval	Headland Office
08E956:016:007	ST721	Ceramic	Sherd	Green shell edgeware, post-medieval	Headland Office
08E956:016:008	ST721	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:016:009	ST721	Ceramic	Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:016:010	ST721	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:016:011	ST721	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:016:012	ST721	Ceramic	Sherd	Black glazed red earthenware, post-medieval	Headland Office
08E956:016:013	ST721	Ceramic	Rim Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:016:014	ST721	Ceramic	Rim Sherd	Dark brown glazed red earthenware, post-medieval	Headland Office
08E956:017:001	ST722	Ceramic	Sherd	Black glazed on both sides red earthenware, post-medieval	Headland Office
08E956:017:002	ST722	Ceramic	Sherd	Creamware sherd from plate, post-medieval	Headland Office
08E956:017:003	ST722	Ceramic	Sherd	Creamware base sherd, post-medieval	Headland Office
08E956:017:004	ST722	Ceramic	Sherd	Blue transfer print ware, rim from tea cup, post-medieval	Headland Office
08E956:017:005	ST722	Ceramic	Sherd	Creamware base sherd, post-medieval	Headland Office

08E956:018:001	ST 723	Ceramic	Sherd	Blue transfer print ware, post-medieval	Headland Office
08E956:018:002	ST 723	Ceramic	Sherd	Blue and white porcelain sherd, post-medieval	Headland Office
08E956:021:001	ST 726	Ceramic	Sherd	Black glazed on both sides red earthen ware, post-medieval	Headland Office
08E956:021:002	ST 726	Glass	Shard	Large body shard of green glass, post-medieval	Headland Office
08E956:021:003	ST 726	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:021:004	ST 726	Ceramic	Sherd	Red earthen ware brown glazed sherd, post-medieval	Headland Office
08E956:021:005	ST 726	Ceramic	Sherd	Small creamware sherd, post-medieval	Headland Office
08E956:021:006	ST 726	Ceramic	Sherd	Small creamware sherd, post-medieval	Headland Office
08E956:021:007	ST 726	Glass	Shard	Body shard of green glass, post-medieval	Headland Office
08E956:021:008	ST 726	Ceramic	Stem	Fragment of tobacco pipe, post-medieval	Headland Office
08E956:022:001	ST 732	Ceramic	Sherd	Large creamware sherd, possible lid, post-medieval	Headland Office
08E956:022:002	ST 732	Ceramic	Sherd	Small creamware sherd, post-medieval	Headland Office
08E956:023:001	ST 741	Ceramic	Sherd	Creamware base sherd, post-medieval	Headland Office
08E956:023:002	ST 741	Ceramic	Sherd	Slightly yellow coloured sherd with some pattern, possible rim sherd, post-medieval	Headland Office

**Appendix 3: Sample Register**

<b>Sample no.</b>	<b>Context no.</b>	<b>Amount</b>	<b>Description</b>	<b>Type</b>
08E956:001	021	<0.5 L Bag	Animal bone from deposit in ST 726	Identification and analysis
08E956:002	012	<0.5 L Bag	Animal bone from deposit in ST 720	Identification and analysis
08E956:003	012	<0.5 L Bag	Animal bone from deposit in ST 721	Identification and analysis

**Appendix 4: Photographic Register**

<b>Photo</b>	<b>Location</b>	<b>Direction Facing</b>	<b>Description</b>
08E956:001	Leo St	Northwest	Pre-excavation of ST 741
08E956:002	Leo St	Southeast	Pre-excavation of ST 741
08E956:003	Leo St	Southeast	Pre-excavation of ST 741
08E956:004	Leo St	Southeast	Pre-excavation of ST 741
08E956:005	Leo St	Northwest	Pre-excavation of ST 740
08E956:006	Leo St	Northwest	Pre-excavation of ST 740
08E956:007	Leo St	Southeast	Pre-excavation of ST 740
08E956:008	Leo St	Southeast	Working shot of ST7 40
08E956:009	Leo St	Southeast	Working shot of ST7 40
08E956:010	Leo St	East	Mid-excavation of ST 741
08E956:011	Leo St	Northeast	Mid-excavation of ST 741
08E956:012	Leo St	Southeast	Mid-excavation of ST 741
08E956:013	Leo St	East	Mid-excavation of ST 741
08E956:014	Leo St	Northeast	Mid-excavation of ST 741
08E956:015	Leo St	Northeast	Mid-excavation of ST 740
08E956:016	Leo St	Northeast	Mid-excavation of ST 740
08E956:017	Leo St	Southeast	Mid-excavation of ST 740
08E956:018	Leo St	East	Post-excavation of ST 741
08E956:019	Leo St	East	Post-excavation of ST 741
08E956:020	Leo St	East	Post-excavation of ST 741
08E956:021	Leo St	Southeast	Post-excavation of ST 741
08E956:022	Leo St	Southwest	Pre-excavation of ST 739
08E956:023	Leo St	Southwest	Pre-excavation of ST 739
08E956:024	Leo St	West	Access point to ST 739
08E956:025	Leo St	Southwest	Mid-excavation of ST 739
08E956:026	Leo St	Southwest	Mid-excavation of ST 739
08E956:027	Leo St	Southwest	Mid-excavation of ST 739
08E956:028	Leo St	Northwest	Mid-excavation of ST 739
08E956:029	King St South	Southwest	Pre-excavation of ST 732
08E956:030	Stephens Green West	Southwest	Working shot of Stephens Green West

08E956:031	King St South	North	Pre-excavation of ST 732
08E956:032	Grafton St	Southeast	Pre-excavation of ST 732
08E956:033	Grafton St	Northeast	Water source on Grafton Street
08E956:034	King St South	Northwest	Mid-excavation of ST 732
08E956:035	King St South	Southwest	Pre-excavation of ST 732
08E956:036	King St South	Southwest	Mid-excavation of ST 732
08E956:037	King St South	Southwest	Mid-excavation of ST 732
08E956:038	King St South	Southwest	Mid-excavation of ST 732
08E956:039	King St South	Southwest	Mid-excavation of ST 732
08E956:040	King St South	Northeast	Mid-excavation of ST 732
08E956:041	King St South	South	Post-excavation of ST 732
08E956:042	King St South	Southwest	Mid-excavation of ST 732
08E956:043	King St. South	Southwest	Post-excavation of ST 732
08E956:044	Parnell Sq. east	Southwest	Pre-excavation of ST 708
08E956:045	Parnell Sq. east	Northeast	Pre-excavation of ST708
08E956:046	Parnell Sq. east	Northeast	Mid-excavation of ST 708
08E956:047	Parnell Sq. east	Northeast	Pre-excavation of ST 708, bus lane
08E956:048	Parnell Sq. east	Southeast	Mid-excavation of ST 707, bus lane
08E956:049	Parnell Sq. east	Southwest	Mid-excavation of ST 708, red brick covering ESB cable
08E956:050	Parnell Sq. east	Southwest	Mid-excavation of ST 708, cellar ceiling
08E956:051	Parnell Sq. east	Southwest	Mid-excavation of ST 708, showing trench depth
08E956:052	Parnell Sq. east	Northeast	Working shot of ST 708
08E956:053	Parnell Sq. east	Northeast	Mid-excavation of ST 708
08E956:054	Parnell Sq. east	Southwest	Location/surrounding of ST 708
08E956:055	North Circular Rd	North	Mid-excavation of ST 736
08E956:056	North Circular Rd	North	Mid-excavation of ST 736
08E956:057	North Circular Rd	East	Pre-excavation of ST 742
08E956:058	North Circular Rd	Northeast	Mid-excavation of ST 742
08E956:059	North Circular Rd	South	Mid-excavation of ST 736 and ST 742
08E956:060	North Circular Rd	South	Mid-excavation of ST 736 and ST 742



08E956:061	North Circular Rd	South	Mid-excavation of ST 736 and ST 742
08E956:062	North Circular Rd	South	Post-excavation of ST 736, backfilling
08E956:063	North Circular Rd	South	Mid-excavation of ST 736, backfilling
08E956:064	Leo St	South	Pre-excavation of ST 743 A
08E956:065	Leo St	South	Pre-excavation of ST 743 A
08E956:066	Parnell St. east	South	Pre-excavation of ST 706
08E956:067	Parnell St. east	Southwest	Pre-excavation of ST708
08E956:068	Leo St	South	Mid-excavation of ST 743 A
08E956:069	Leo St	South	Post-excavation of ST 742 and half of ST 736, backfilled
08E956:070	Leo St	South	Pre-excavation of other half of ST 736
08E956:071	Leo St	South	Pre-excavation of other half of ST 736
08E956:072	North Circular Rd	North	Pre-excavation of ST 736
08E956:073	Parnell Sq. east	West	Mid-excavation of ST 707
08E956:074	Parnell Sq. east	Southwest	Mid-excavation of ST 707 and ST 706
08E956:075	Parnell Sq. east	West	Mid-excavation of ST 707 and ST 706
08E956:076	Parnell Sq. east	Northwest	Mid-excavation of ST 707 and ST 706
08E956:077	Parnell Sq. east	West	Mid-excavation of ST 707 and ST 706
08E956:078	Parnell Sq. east	Southwest	Mid-excavation of ST 707 and ST 706
08E956:079	North Circular Rd	South	Mid-excavation of ST 736
08E956:080	Leo St	South	Mid-excavation of ST 743 A
08E956:081	Leo St	South	Mid-excavation of ST 743 A, backfilling
08E956:082	North Circular Rd	North	Mid-excavation of ST 736
08E956:083	North Circular Rd	Northwest	Mid-excavation of ST 736
08E956:084	North Circular Rd	Southeast	Mid-excavation of ST736
08E956:085	North Circular Rd	Southeast	Mid-excavation of ST 736
08E956:086	Leo St	Southwest	Mid-excavation of ST 743 B
08E956:087	Leo St	Southwest	Mid-excavation of ST 743 B
08E956:088	Leo St	Southwest	Mid-excavation of ST 743 B
08E956:089	Leo St	Southwest	Mid-excavation of ST 743 B
08E956:090	Leo St	North	Mid-excavation of ST 743 B

08E956:091	Parnell Sq. East	East	Mid-excavation of ST 738 (no. 10)
08E956:092	Parnell Sq. East	Southwest	Mid-excavation of ST 738 (no. 10)
08E956:093	Parnell Sq. East	East	Mid-excavation of ST 738 (no. 10)
08E956:094	Parnell Sq. East	Northeast	Pre-excavation location of ST 701
08E956:095	Parnell Sq. East	Northeast	Pre-excavation of ST 703
08E956:096	Parnell Sq. East	Northeast	Pre-excavation of ST703
08E956:097	Parnell Sq. East	North	Mid-excavation of coal chute being exposed in ST 701
08E956:098	Parnell Sq. East	East	Mid-excavation of coal chute being exposed in ST 701
08E956:099	Parnell Sq. East	Southeast	Mid-excavation of coal chute being exposed in ST 701
08E956:100	Parnell Sq. East	East	Mid-excavation of ST 703
08E956:101	Parnell Sq. East	North	Church location on Parnell Square East
08E956:102	Parnell Sq. East	South	Mid-excavation of ST 702
08E956:103	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:104	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:105	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:106	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:107	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:108	Parnell Sq. East	West	Mid-excavation of ST 702
08E956:109	Parnell Sq. East	Northwest	Post-excavation of backfilling of ST 702
08E956:110	Parnell Sq. East	Northwest	Coal chute in ST 703
08E956:111	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:112	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:113	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:114	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:115	Parnell Sq. East	Northwest	Coal chute in ST 703
08E956:116	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:117	Parnell Sq. East	Southeast	Coal chute in ST 703
08E956:118	Parnell Sq. East	Northwest	Pre-excavation of ST 703, extension
08E956:119	Parnell Sq. East	North	Pre-excavation of ST 703, extension
08E956:120	Parnell Sq. East	Northeast	Mid-excavation of ST 703, extension
08E956:121	Parnell Sq. East	Northeast	Mid-excavation of ST 703, extension
08E956:122	Parnell Sq. East	West	Post-excavation of ST 703 backfilled

08E956:123	Parnell Sq. East	West	Post-excavation of ST 703 backfilled
08E956:124	Parnell Sq. East	Southwest	Mid-excavation of ST 738
08E956:125	Parnell Sq. East	Southwest	Mid-excavation/ location of ST 733
08E956:126	Stephens Gn. West	West	Pre-excavation of ST 729
08E956:127	Parnell Sq. East	Southwest	Mid-excavation of ST 738
08E956:128	Westmoreland St	Northwest	Mid-excavation of ST 722
08E956:129	Westmoreland St	Northwest	Mid-excavation of ST 723
08E956:130	Westmoreland St	Northwest	Mid-excavation of ST 723
08E956:131	Westmoreland St	Northwest	Mid-excavation of ST 722
08E956:132	Westmoreland St	Northwest	Mid-excavation of ST 722
08E956:133	Westmoreland St	Northwest	Post-excavation, backfilling of carriageway ST 722
08E956:134	D'Olier St	Northwest	Post-excavation of ST 720
08E956:135	D'Olier St	Northeast	Post-excavation of ST 720
08E956:136	D'Olier St	Southeast	Mid-excavation of ST 720, footpath
08E956:137	D'Olier St	Northeast	Mid-excavation of possible stone wall/surface ST 720
08E956:138	D'Olier St	Southeast	Mid-excavation of possible stone wall/surface ST 720
08E956:139	D'Olier St	East	Mid-excavation of possible stone cobbling ST 720
08E956:140	D'Olier St	East	Mid-excavation of possible stone cobbling ST 720
08E956:141	D'Olier St	East	Mid-excavation of possible stone wall/surface ST 720
08E956:142	D'Olier St	Southeast	Mid-excavation of possible stone wall/surface ST 720
08E956:143	D'Olier St	Southwest	Post-excavation of ST 721, backfilling
08E956:144	D'Olier St	Southeast	Mid-excavation of archaeological deposit within ST 721
08E956:145	D'Olier St	East	Mid-excavation of archaeological deposit within ST 721
08E956:146	Ashton Quay	Southeast	Pre-excavation and location of ST 724
08E956:147	Ashton Quay	South	Location of ST 724

08E956:148	Ashton Quay	South	Mid-excavation of ST 725
08E956:149	Ashton Quay	North	Mid-excavation of ST 725
08E956:150	Ashton Quay	North	Mid-excavation of cellar in ST 724
08E956:151	Ashton Quay	Northeast	Mid-excavation of utilities in ST 724
08E956:152	Ashton Quay	North	Mid-excavation of utilities in ST 725
08E956:153	Ashton Quay	North	Mid-excavation of utilities in ST 725
08E956:154	Ashton Quay	Southwest	Mid-excavation of utilities in ST 724
08E956:155	Ashton Quay	North	Post-excavation of ST 725
08E956:156	Ashton Quay	South	Mid-excavation of ST 724
08E956:157	Parnell Sq, East	Southwest	Mid-excavation of ST 705
08E956:158	Parnell Sq, East	North	Mid-excavation of ST 705
08E956:159	Westmoreland St	Northwest	Mid-excavation of ST 726
08E956:160	Westmoreland St	Northwest	Mid-excavation of ST 726, showing cellar
08E956:161	Westmoreland St	West	Mid-excavation of ST 726, showing cellar
08E956:162	Westmoreland St	South	Mid-excavation of ST 726, showing cellar and deposits
08E956:163	Westmoreland St	North	Mid-excavation of ST 726, showing cellar
08E956:164	Westmoreland St	South	Mid-excavation of ST 726, showing cellar
08E956:165	Westmoreland St	South	Mid-excavation of ST 726, showing cellar
08E956:166	Westmoreland St	North	Mid-excavation of ST 726, showing cellar
08E956:167	Westmoreland St	East	Mid-excavation of ST 726
08E956:168	Westmoreland St	South	Mid-excavation of ST 726
08E956:169	Westmoreland St	Southwest	Mid-excavation of ST 726, showing cellar
08E956:170	Westmoreland St	North	Working shot of ST 726
08E956:171	Westmoreland St	North	Backfilling of ST 726
08E956:172	O'Connell St	East	Mid-excavation of ST 712
08E956:173	O'Connell St	East	Mid-excavation of ST 712
08E956:174	O'Connell St	East	Mid-excavation working shot of ST 712
08E956:175	O'Connell St	Northeast	Mid-excavation working shot of ST 712
08E956:176	O'Connell St	Northeast	Mid-excavation working shot of ST 712

08E956:177	O'Connell St	South	Mid-excavation of ST 717
08E956:178	O'Connell St	South	Mid-excavation of ST 717
08E956:179	O'Connell St	South	Mid-excavation of ST 717, trench location
08E956:180	O'Connell St	South	Mid-excavation of ST 716
08E956:181	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:182	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:183	O'Connell St	South	Mid-excavation of ST 716, showing archaeological deposit
08E956:184	O'Connell St	South	Mid-excavation of ST 716, showing archaeological deposit
08E956:185	O'Connell St	South	Mid-excavation of ST 716, showing archaeological deposit
08E956:186	O'Connell St	South	Mid-excavation of ST 716, showing archaeological deposit
08E956:187	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:188	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:189	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:190	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:191	O'Connell St	South	Mid-excavation of ST 716, showing section
08E956:192	O'Connell St	South	Mid-excavation of ST 716, showing possible wall
08E956:193	O'Connell St	South	Mid-excavation of ST 717, showing possible archaeological deposits
08E956:194	O'Connell St	South	Mid-excavation of ST 716
08E956:195	O'Connell St	South	Mid-excavation of ST 717, showing archaeological deposits
08E956:196	O'Connell St	South	Mid-excavation of ST 717, showing archaeological deposits
08E956:197	O'Connell St	South	Mid-excavation of ST 717, showing archaeological deposit
08E956:198	O'Connell St	South	Mid-excavation of ST 717 and ST 716
08E956:199	O'Connell St	West	Mid-excavation of ST 718
08E956:200	O'Connell St	West	Mid-excavation of ST 718

08E956:201	O'Connell St	West	Mid-excavation of ST 718
08E956:202	O'Connell St	West	Mid-excavation of ST 718
08E956:203	O'Connell St	East	Mid-excavation of ST 713
08E956:204	O'Connell St	East	Mid-excavation of ST 713
08E956:205	O'Connell St	South	Mid-excavation of ST 713
08E956:206	O'Connell St	Northeast	Mid-excavation of ST 713
08E956:207	O'Connell St	South	Mid-excavation of ST 713
08E956:208	O'Connell St	East	Mid-excavation of ST 718
08E956:209	O'Connell St	East	Mid-excavation of ST 718
08E956:210	Parnell Square East	South	Mid-excavation of ST 702, showing surface
08E956:211	Parnell Square East	South	Mid-excavation of ST 702, showing surface
08E956:212	Parnell Square East	South	Mid-excavation of ST 702, showing surface
08E956:213	Parnell Square East	West	Mid-excavation of ST 702
08E956:214	D'Olier St	Southeast	Re-opening of ST 721
08E956:215	D'Olier St	East	Mid-ex of disturbed surface (012), ST 720
08E956:216	D'Olier St	East	Mid-ex of disturbed surface (012), ST 720
08E956:217	D'Olier St	West	Mid-ex of disturbed deposit (012), ST 720
08E956:218	D'Olier St	Northwest	Mid-ex of disturbed surface (012), ST 720
08E956:219	D'Olier St	Northwest	Mid-ex of disturbed surface (012), ST 720
08E956:220	D'Olier St	Southeast	Mid-ex working shot of disturbed deposit (012), ST720
08E956:221	D'Olier St	East	Mid-ex of cellar in ST 721
08E956:222	D'Olier St	South	Mid-ex of cellar in ST 721
08E956:223	D'Olier St	South	Mid-ex of cellar in ST 721
08E956:224	D'Olier St	South	Mid-ex of cellar in ST 721
08E956:225	D'Olier St	South	Mid-ex of cellar in ST 721
08E956:226	D'Olier St	South	Mid-ex of deposit and utilities in ST 721
08E956:227	D'Olier St	South	Mid-ex of deposit and utilities in ST 721
08E956:228	D'Olier St	Southeast	Mid-ex of utilities in ST 720
08E956:229	D'Olier St	East	Mid-ex of utilities in ST 720
08E956:230	D'Olier St	West	Mid-ex of cellar in ST 721
08E956:231	D'Olier St	West	Mid-ex of cellar and utilities in ST 721
08E956:232	D'Olier St	South	Mid-ex of utilities in, ST 721

08E956:233	D'Olier St	South	Mid-ex of utilities in ST 721
08E956:234	D'Olier St	South	Mid-ex of utilities in ST 721
08E956:235	D'Olier St	South	Mid-ex of utilities in ST 721

**Appendix 5: Drawing Register**

<b>Draw No.</b>	<b>Sheet No.</b>	<b>Section</b>	<b>Plan</b>	<b>Scale</b>	<b>Description</b>
1	1	N/A	Yes	1:20	Ground plan of ST 720
2	1	N/A	Yes	1:20	Ground plan of ST 721



**Appendix 6: Slit Trench Register**

<b>Slit Trench No</b>	<b>Location</b>	<b>Trench dimensions</b>	<b>Trench comments</b>
ST 701	Parnell Sq. East	Length: 6 m Width: 0.60 m Depth: 0.40 m – 0.73 m	Northeast-southwest direction. Utilities found in this trench included ESB, Eircom, water and unidentified services. No archaeological features or deposits were encountered within this trench.
ST 702	Parnell Sq. East	Length: 2.30 m Width: 0.40 m Depth: 0.80 m – 0.90 m	Northwest-southeast direction. No Utilities were found in this trench. A potential archaeological mortared surface was encountered at a depth of 0.90 m, because of this no further excavation was carried out.
ST 703	Parnell Sq. East	Length: 2.20 m Width: 0.60 m Depth: 0.60 m – 0.90 m	Northeast-southwest direction. Utilities found in this trench included ESB and unidentified services. A post-medieval red brick coal chute was identified to the east of this trench. It measured 25 m in diameter. No further excavation was carried out.
ST 704	Parnell Sq. East	Length: 3.40 m Width: 0.60 m Depth: 0.50 m	Neast-southwest direction. Utilities found in this trench included ESB, Eircom, water and unidentified services. No archaeological features or deposits were encountered within this trench.
ST 705	Parnell Sq. East	Length: 5 m Width: 0.60 m Depth: 0.50 m – 0.70 m	Northeast-southwest direction. Utilities found in this trench included two yellow plastic pipes and unidentified services. No archaeological features or deposits were encountered within this trench.
ST 706	Parnell Sq. East	Length: 2m Width: 0.60 m Depth: 0.40 m – 0.50 m	Northwest-southeast direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 707	Parnell Sq. East	Length: 3 m Width: 0.60 m Depth: 0.40 m	Northeast-southwest direction. Utilities found in this trench included a black pipe emerging from the ground. No archaeological features or deposits were encountered within this trench.
ST 708	Parnell Sq. East	Length: 36 m Width: 0.65 m Depth: 0.40 m – 1.80	Northeast-southwest direction. Several utilities including ESB, Water and Eircom were found in this trench. A red brick cellar was encountered at a depth of approximately 0.40 m. No further excavation was carried out.
ST 713	O'Connell St.	Length 9 m Width: 0.60 m Depth 0.30 m – 1 m	Northeast-southwest direction. Utilities found in this trench. A disturbed garden soil with red brick inclusions was encountered within this trench and covered some of the services.
ST 714	O'Connell St.	Length: 9 m Width: 0.60 m Depth: 0.10 m	Northeast-southwest direction. A cellar was found in this trench. No archaeological features or deposits were encountered within this trench.
ST 716	O'Connell St.	Length: 7.20 m Width: 0.60 m Depth: 0.85 m	Northwest-southeast direction. Many utilities found within this trench including ESB. The remains of a mortared wall was identified at a depth of approximately 0.80 m. The wall appeared disturbed to the south and east by ESB services. To the west and north was an

			archaeological deposit with red brick, mortar and post-medieval artefacts.
ST 717	O'Connell St.	Length: 6 m Width: 0.60 m Depth: 0.40 m – 1 m	Northeast-southwest direction. Utilities were found in this trench. An archaeological deposit similar to the deposit in ST716 was identified to the east of this trench. It measured approximately 2 m long and was found at a depth of 0.80 m.
ST 718	O'Connell St.	Length: 6 m Width: 0.60 m Depth: 0.30 m – 1.50 m	Northeast-southwest direction. Utilities were found in this trench. An archaeological deposit was identified to the east of this trench. It measured approximately 1 m long and was found at a depth of approximately 1 m.
ST 720	D'Olier St.	Length: 11 m Width: 0.60 m Depth: 0.66 m – 1.20	Northeast-southwest direction. Utilities were identified on the footpath section of this trench. Two possible truncated surfaces, a wall or surface and an archaeological deposit was identified within this trench at a depth of 0.60 m, for approximately 9 m in length.
ST 721	D'Olier St.	Length: 6.50 m Width: 0.60 m Depth: 1.5 m	Northeast-southwest direction. One utility was identified to the extreme northeast of the trench. A continuation of the possible wall/surface was encountered, along with a similar archaeological deposit and possible metalled surface. In total they measured approximately 4.40 m long at a depth of 0.50 m. A red brick cellar (015) was located to the west of the trench. It had a known length of 3.85 m and was found at a depth of 0.90 m from the road surface. It consisted of red bricks bonded with a lime mortar
ST 722	Westmoreland St.	Length: 8.50 m Width: 0.60 m Depth: 0.25 m – 1.10	East-west direction. Utilities were found in this trench. An archaeological deposit was identified under the services in this trench. It measured approximately 2 m long.
ST 723	Westmoreland St.	Length: 10 m Width: 0.60 m Depth: 0.30 m – 1.10	East-west direction. Utilities were found in this trench. An archaeological deposit was identified under the services in this trench. It measured approximately 2 m long. The remains of a cellar or wall also identified approximately 1 m from the surface in this trench.
ST 724	Westmoreland St./Ashton Quay	Length: 6 m Width: 0.60 m Depth: 0.05 m – 1 m	North-south direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 725	Westmoreland St./Ashton Quay	Length: 6 m Width: 0.60 m Depth: 0.05 - 0.25 m	North-south direction. A cellar was encountered for a length 4 m of this trench. Some utilities found in the remaining 1 m. No archaeological features or deposits were encountered within this trench.
ST 726	Westmoreland St.	Length: 3 m Width: 0.60 m Depth: 0.05 - 0.45 m	East-west direction. Utilities were found within this trench. A sloping red brick cellar with an archaeological deposit over laying it slightly. The cellar and deposit was identified at a depth of 0.30 m – 0.45 m. and combined measured 1.27 m long.
ST 732	King St. South	Length: 6 m Width: 0.60 m Depth: 1.20 m	Northeast-southwest direction. Utilities found in this trench. A post-medieval deposit containing red brick stone and pottery were identified within this trench

ST 736	North Circular Rd.	Length: 13 m Width: 0.50 m Depth: 0.70 m – 1 m	Northeast-southwest direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 738	Parnell Sq. East	Length: 7 m Width: 0.63 m Depth: 0.50 m – 1.05 m	Northeast-southwest direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 739	Leo St. / Mater Hospital	Length: 1.20 m Width: 0.60 m Depth: 1.20 m	North-south direction. No archaeological features or deposits were encountered within this trench.
ST 740	Leo St. / Mater Hospital	Length: 1.20 m Width: 0.60 m Depth: 1.20 m	Northwest-southeast direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 741	Leo St. / Mater Hospital	Length: 1.20 m Width: 0.60 m Depth: 1.20 m	East-west direction. A post-medieval deposit containing red brick stone and pottery were identified within this trench.
ST 742A	North Circular Rd	Length: 6 m Width: 0.60 m Depth: 0.50 m – 0.80	East-west direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.
ST 743B	Leo St. / Mater Hospital	Length: 5.75 m Width: 0.60 m Depth: 0.50 m – 0.70	East-west direction. Utilities found in this trench. No archaeological features or deposits were encountered within this trench.