

Trench: TT6-1	Context: C6-1CD-11	Dates excavated: 18/8/20
Feature type: Wall		
Co-ordinates (ITM): 557813.5830, 657520.2375		
Minimum depth (ASL): Standing 0.6m above ground		
Depth of feature below surface: 1.4m maximum		
Base of feature reached? Y		
Alignment: NNW/SSE at this point in the trench		
Description:	Curving corner of limestone wall, above and below ground: the perimeter wall of the Potato Market at the southwest of TT6-1	
Date of construction:	1810, construction of the Potato Market	



Figure 55 Potato Market wall along the west of TT6-1 (C6-1CD-09)

Trench: TT6-2	Context: C6-2-06	Dates excavated: 1/9/20
Feature type: Lower cobbled surface		
Co-ordinates (ITM): 557799.6862, 657534.7623		
Minimum depth (ASL): 3.0080m		
Depth of feature below surface: 90cm		
Base of feature reached? Retained <i>in situ</i>		
Alignment: n/a		
Description:	Cobbled surface 1.5m N/S by 1.4m E/W	
Date of construction:	Late 18th century - contemporary with construction of the New Quay. Cut by Watch house.	



Figure 56 Cobbled surface in TT6-2 (C6-2-06)

Trench: TT6-2	Context: C6-2-12	Dates excavated: 1/9/20
Feature type: Foundations		
Co-ordinates (ITM): 557799.6862, 657534.7623		
Minimum depth (ASL): 3.0080m		
Depth of feature below surface: 0.3-0.45m		
Base of feature reached? N		
Alignment: N/S -E-W		
Description:	Perpendicular foundation, right angle.	
Date of construction:	Late 18th century - contemporary with New Quay, possible watch house	



Figure 57 Stone foundation under pipe infrastructure in TT6-2 (C6-2-12), note both levels of cobbles

Trench: TT6-3	Context: C6-3-08	Dates excavated: 24/8/20
Feature type: Wall		
Co-ordinates (ITM): 557784.1062, 657561.0394		
Minimum depth (ASL): 3.6598m		
Depth of feature below surface: 0.5-1.7m		
Base of feature reached? Y		
Alignment: NW/SE, 125°		
Description:	Mortared limestone wall crossing trench at NW/SE orientation, incorporating a large drain that runs through the wall on a NE/SW alignment; parallel with wall C6-3-09 to the southwest and built upon an earlier wall (C6-3-14). Upper wall is associated with structures along Merchant's Quay, demolished in 1870s	
Date of construction:	18th-19th century, demolished 1870s	



Figure 58 Wall crossing TT6-3 (C6-3-08)

Trench: TT6-3	Context: C6-3-09	Dates excavated: 24/8/20
Feature type: Wall		
Co-ordinates (ITM): 557782.7202, 657559.4817		
Minimum depth (ASL): 3.6422m		
Depth of feature below surface: 0.6-1.7m		
Base of feature reached? Y		
Alignment: NW/SE, 125°		
Description:	Mortared limestone wall crossing trench at NW/SE orientation, incorporating a large drain that runs through the wall on a NE/SW alignment; parallel with wall C6-3-08 to the northeast. Upper wall is associated with structures along Merchant's Quay, demolished in 1870s	
Date of construction:	18th-19th century, demolished 1870s	



Figure 59 Wall crossing TT6-3 (C6-3-09)

Trench: TT6-3	Context: C6-3-14	Dates excavated: 24/8/20
Feature type: Wall		
Co-ordinates (ITM): 557784.1062, 657561.0394		
Minimum depth (ASL): 1.96m		
Depth of feature below surface: 1.7-2.95m		
Base of feature reached? Y		
Alignment: NW/SE, 125°		
Description:	Limestone wall foundations crossing trench at NW/SE orientation, with a later wall (C6-3-08) built directly on top	
Date of construction:	17th-18th century. Lower Wall foundation, use undetermined, possibly relates to earlier structure	



Figure 60 Wall crossing TT6-3 (C6-3-14)

Trench: TT6-4	Context: C6-4-04	Dates excavated: 19/8/20
Feature type: Cobbled surface		
Co-ordinates (ITM): 557764.3697, 657575.2565		
Minimum depth (ASL): 3.7202m		
Depth of feature below surface: 0.35-0.5m		
Base of feature reached? Y		
Alignment: n/a		
Description:	Cobbled surface	
Date of construction:	Early 19th century - contemporary with construction of the Courthouse or Potato Market	



Figure 61 Cobbled surface in TT6-4 (C6-4-04)

Trench: TT6-4	Context: C6-4-06	Dates excavated: 19/8/20
Feature type: Wall foundations		
Co-ordinates (ITM): 557767.3411, 657577.4567		
Minimum depth (ASL): 3.4031m		
Depth of feature below surface: 1.7-2.95m		
Base of feature reached? Y		
Alignment: NW/SE		
Description:	Wall foundations of limestone boulders bonded by thick red clay at the northeast end of TT6-4	
Date of construction:	Removed by 1870. No other dating evidence.	



Figure 62 Wall foundations at northeast of TT6-4 (C6-4-06)

Trench: TT6-4	Context: C6-4-11	Dates excavated: 19/8/20
Feature type: Soil deposit		
Co-ordinates (ITM): (across northeast half of trench)		
Minimum depth (ASL): (not available – no DGPS signal)		
Depth of feature below surface: 2.3-3.2m		
Base of feature reached? Y		
Alignment: NW/SE		
Description:	Dark grey sand deposit overlying bedrock. Soil contained medieval glazed ceramics, floor tiles and a gold strip	
Date of deposition:	Medieval	



Figure 63 Basal soil fill in TT6-4 (C6-4-11)

Trench: TT6-5	Context: C6-5-05	Dates excavated: 27/8/20
Feature type: Cobbled surface		
Co-ordinates (ITM): 557746.2777, 657597.2511		
Minimum depth (ASL): 3.2463m		
Depth of feature below surface: 0.5-0.6m		
Base of feature reached? Y		
Alignment: n/a		
Description:	Cobbled surface, poor condition, across whole trench, but broken in several areas by services	
Date of construction:	Early 19th century - contemporary with construction of the Courthouse or Potato Market	



Figure 64 Remnants of cobbled surface in TT6-5 (C6-5-05)

Trench: TT7-1	Context: C7-1-08	Dates excavated: 16/6/20
Feature type: Wall		
Co-ordinates (ITM): 557831.5495, 657515.0500		
Minimum depth (ASL): 2.8425m		
Depth of feature below surface: 2-2.24m		
Base of feature reached? N		
Alignment: WNW/ESE, 105°		
Description:	Limestone wall foundations crossing trench at more than 2m depth below surface. The wall's position in relation to previous research, its alignment, construction style and change in soil contexts suggest that this is the medieval city wall, though this section may be the result of later (17th century) alterations	
Date of construction:	13th-17th century	



Figure 65 Wall in TT7-1 (C7-1-08)

Appendix 2: Monitoring of Site Investigation Works

In July 2020, Moore Group monitored a programme of Ground Investigations (Phase 3) for the KIFRS carried out by Priority Geotechnical Limited. This work involved the monitoring of a series of Foundation Investigation Pits (FIPs) and Trial Pits (TPs) at the following locations:

Trial Pits

The seven TPs were dug with a small excavator (approx. 3T) with approximate dimensions of 1m x 4m to a maximum depth of 4.5m BGL. No archaeology was found during the monitoring programme.

Table 1: Trial pits

TP No.	Location and Dimensions	Stratigraphy	Results
TP301	In green field to W of Oliver Plunkett St. Kings Island. 4m L x 1.2m W x 4.5m D	0-200mm Sod and topsoil brown clay 200mm-1.8m Infilled ground with modern debris, frequent small stones and boulders in silty clay matrix 1-1.8m Brown sandy clay 1.8-2.2m Blue grey clayey sand 2.2-4m Dark grey sandy clay 4m -4.5m Dark grey clayey sand	No archaeology found
TP302	In green field to N of Oliver Plunkett St. Kings Island 4.5m L x 1.2m W x 4.5m D	0-200mm Sod and topsoil brown clay 200mm-1.2m Infilled ground with modern debris, frequent small stones and boulders in silty clay matrix 1.2-2.4m compact grey slightly organic silt 2.4-3.2m Dark brown sandy silt 3.2-3.6m Pale brown gravelly sandy silt 4m -4.5m Light brown gravelly silty sand	No archaeology found
TP303	In green field to rear of St. Munchin's Street 4m L x 1.2m W x 3.5m D	0-600mm Sod and topsoil dark brown clay, Infilled ground with modern debris, plastic and glass 600mm-1.5m Compact brown mottled sandy silt with gravel. 1.5-1.9m Very stiff red brown silt frequent cobble sized stones 1.9-3.5m Brown gravelly silty sand	No archaeology found
TP304	In green field to rear of St. Munchin's Street 4m L x 1m W x 4.1m D	0-700mm Sod and topsoil brown sand, Infilled ground with modern debris, plastic and glass 700mm -1.2m Dark grey clay, made ground with modern debris 1.2-3.4m Compact brown with grey mottling sandy silt	No archaeology found

		3.4-4.1m Compact brown sandy silt with frequent small stones	
TP305	In green field to rear of St. Munchin's Street 4m L x 1m W x 2.7m D	0-1m Sod and topsoil, black sandy clay, infilled ground with modern debris, plastic and glass 1-1.8m Compact blue grey clay 1.8-2.7m Very stiff sandy, gravelly clay with limestones	No archaeology found
TP306	North of Athlunkard Boat Club on edge of embankment 3.1m L x 0.5m W x 3.3m D	0-200mm Topsoil 200mm-1.8m Made ground of brown gravelly sand with cobble sized stones 1.8-3.3m Grey pale brown clay	No archaeology found
TP307	West of Athlunkard Boat Club on edge of embankment	0-70mm made ground Brown gravelly silt with red brick	No archaeology found

Foundation inspection pits

The Foundation inspection pits, were dug for the purpose of examining the foundations of the quay walls and measured 1.5m x 3.5m to a maximum depth of 4.5m.

Monitoring of the FIP's exposed sections of the Quay walls at Sir Harry's Mall (TP303) and at two locations along Georges Quay. At Sir Harry's Mall the quay wall is built of modern random rubble masonry on a concrete foundation. The late 18th century walls along Georges Quay are of square ashlar with semi-circular coping stones on a rubble foundation (TP's 304-305).

Within the Loggia of the Potato Market (TP306) excavations exposed the back of the riverside wall. This wall of coursed limestone was built during the canalisation of the Abbey River as part of the Kilalloe-Limerick Canal Navigation Route that started in 1757 and continued until 1830.

The foundations of the Potato market Wall built of squared ashlar limestone with supporting wrought-iron railings found in TP's 308 and 309 date to the 1840's. The Potato Market was built on the site the New Quay formerly the medieval Long Dock.

The quay wall near Curragower Boat Club also dates to this mid-19th century redevelopment.

Table 2: Foundation inspection pits

FIP No.	Location	Stratigraphy	Results
FIP 301	Pedestrian path opposite Athlunkard Boat Club 1.6m L x 0.5m W x 0.7m D	0-100mm Made ground gravel 100mm-70mm Made ground dark Brown gravelly sand with red brick and ceramic pipe	No archaeology found
FIP 302	Near Quay wall on Sir Harry's Mall, south of O' Dwyer's Bridge 2.5m L x 0.6m W x 0.65m D	0-0.60mm Tarmac 60-250mm Concrete 250-650m Grey sandy gravel with occasional cobble sized stones	Along modern river wall, No archaeology found

FIP 303	On Sir Harry's Mall to west of Abbey Bridge 2.1m L x 1m W x 2.3m D	0-80mm Brick paving stones 80-150mm Sand bedding 150mm-1.3m Made ground grey sandy gravel 1.3-2.3m Compact brown gravel	Along Quay wall, No archaeology found
FIP 304	On George's Quay west of Baal's Bridge 2.4m L x 1m W x 1.95m D	0-80mm Paving stones 80-150mm Sand bedding 150mm-250mm Concrete 250mm-400mm Grey sandy gravel 400mm-1.95m Infilled ground brown silty sandy gravel with occasional brick and frequent large angular stones	Along Quay wall, No archaeology found
FIP 305	Along Quay Wall George's Quay 2.5m L x 0.9m W x 2.9m D	0-80mm Paving stones 80mm-280mm Concrete 280mm-1.1m Infill of brown gravelly sand 1.1m-2.9m Infilled ground brown gravelly clay with medium cobble content	Along Quay wall, No archaeology found
FIP 306	Within Loggia, Potato Market (eastern side) 2.7m L x 1m W x 2.5m D	0-0.0-50mm Paving stones 50-300mm Reinforced concrete 300-700mm sub rounded cobble layer in sandy matrix 700-900mm Dark grey sandy clay infill 900mm-2.5m Brown sandy clay with stones	Along Quay wall, No archaeology found
FIP 307	Within Loggia, Potato Market at entrance to bridge 2.8m L x 0.9m W x 2m D	0-50mm Paving stones 50-450mm Reinforced concrete 550-700mm Sand infill 700mm-2m Dark brown gravelly sand with cobble sized stones and red brick	No archaeology found
FIP 308	Along western boundary wall within Potato Market 2.5m L x 0.8m W x 2.6m D	0-0.1.6m Infilled brown clayey sandy gravel with stone and brick 1.6m-2.6m Light brown sandy gravel with large stones and occasional red brick	Along Potato Market wall, No archaeology found
FIP 309	Along footpath near western boundary wall of Potato Market 2.6m L x 0.8m W x 1.85m D	0-50mm Paving stones 50 – 320mm sandy gravel 320-800mm brown silty sandy gravel infill 800mm-1.1m Brown silty sand 1.1m-1.85m Light brown gravelly silty sandy	Along Potato Market wall, No archaeology found

FIP 310	Along Quayside, near access to Curragower boat club	0-100mm Tarmac 100mm-550mm Mortar rich Infilled yellow brown gravel sandy 550mm-2.4m Infilled brown silty sandy gravel infill with medium stone content	Along Quay wall, No archaeology found
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Figure 66 Quay wall FIP 303 Sir Harrys Mall



Figure 67 FIP 304 Georges Quay



Figure 68 FIP 308 Base of Potato Market Wall



Figure 69 Work in progress FIP 309

PROJECT:

King's Island Flood Relief Scheme

SCOPE:

Underwater Archaeological Impact Assessment (UAIA)

PREPARED BY:

Caitlyn Haskins and Julianna O'Donoghue

LICENCE NO.:

20D0033, 20R 0135

DATE:

September 2020

CLIENT:

Limerick City & County Council and the Office of Public Works (Flood Division)