

July 2021

Cardiff Arena

Enabling Works Sequencing Plan



Site Establishment Overview

Enabling Works

Sewer site establishment:

- Secure boundary fencing & access installed to sewer diversion site
- Set-up temporary roll-on oasis units

Notes:

Street lighting column & parking meter at site access point – isolation & removal required (by CCC?)

Street Lighting in Silurian Park – isolation & removal required (by CCC?)



WEEK No.

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Enabling Works: Site Establishment Overview - Weeks 4 to 13

CCC car park site establishment:

- CCC car park closed Week 4
- Secure boundary fencing & access installed
- Set-up temporary compound

Notes:

The following disconnections are required **before** car park possession & closure [by CCC]:

- street lighting
- Power
- car park ticket machines [APCOA – operators]



WEEK No.

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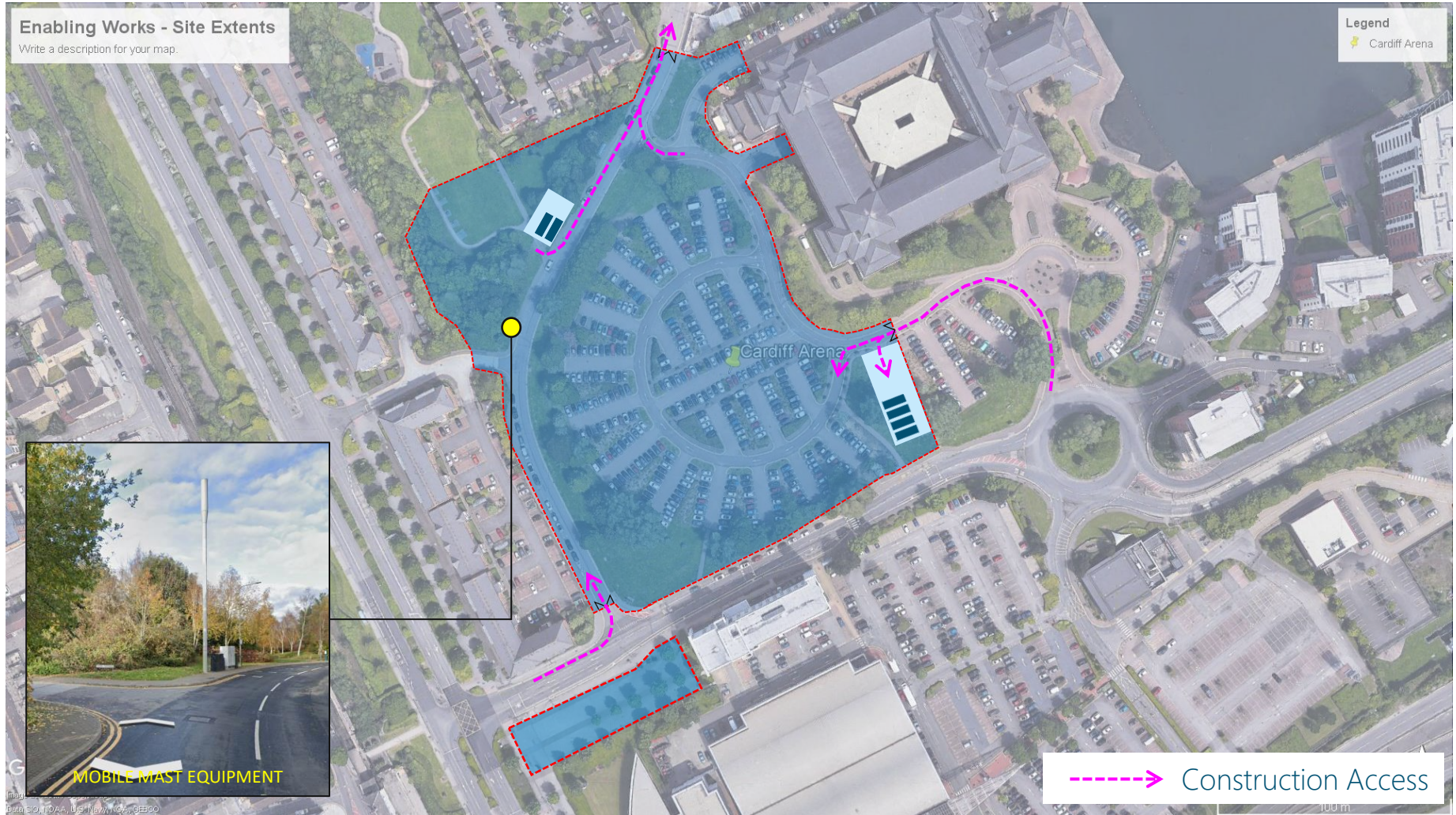
Expanded site establishment:

- Schooner Way closed [Road Closure Order] Week14
- Potential early occupation of the area planned for construction compound [west of Travelodge]

Notes:

Mobile mast to be relocated / diverted prior to Week 14 Schooner Way Closure.

Currently anticipated that this will be done May 2022 [by CCC]



WEEK No.

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Sequence study – Sewer & Utilities



Enabling Works

Advance work [by CCC?]:

- Disconnection / removal of street lighting & parking ticket machine
- Disconnection / removal of lighting columns in Silurian Park

Site Prep:

1. Tree felling & clearance [**tree removal plan / extents TBC**]
2. Temporary footpath diversion [**route / construction / lighting requirements etc. – TBC**]

[NOTE: CCC plan to undertake aggressive pruning Sep 2021]



WEEK No.

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Sewer & utilities diversion: Earthworks

- Reduced level excavation & prepare working platform
- Ground levels reduced to allow sewer to be constructed using trench boxes / sheet piles
- 4,690m³ cut
- 2,350m³ fill
- 2,340m³ off-site
- Temporary storage location of material retained for fill TBC

- RL Dig for trench boxes

■ Shallower RL Dig for sheet piles
[constrained by Junction
Canals Ltd. Land boundary]



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Sewer & utilities diversion: UXO probing

 UXO probing along sewer line
[exact extent and programme
TBC]



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Sewer & utilities diversion: Off-line sewer diversion

- ■ ■ New sewer installed using 5.5m trench boxes
- ■ ■ ■ New sewer installed using sheet piled retention at c.7.8m retained depth

Refer to drawing No.
CAH-RCG-ZZ-DR-W-52-1002



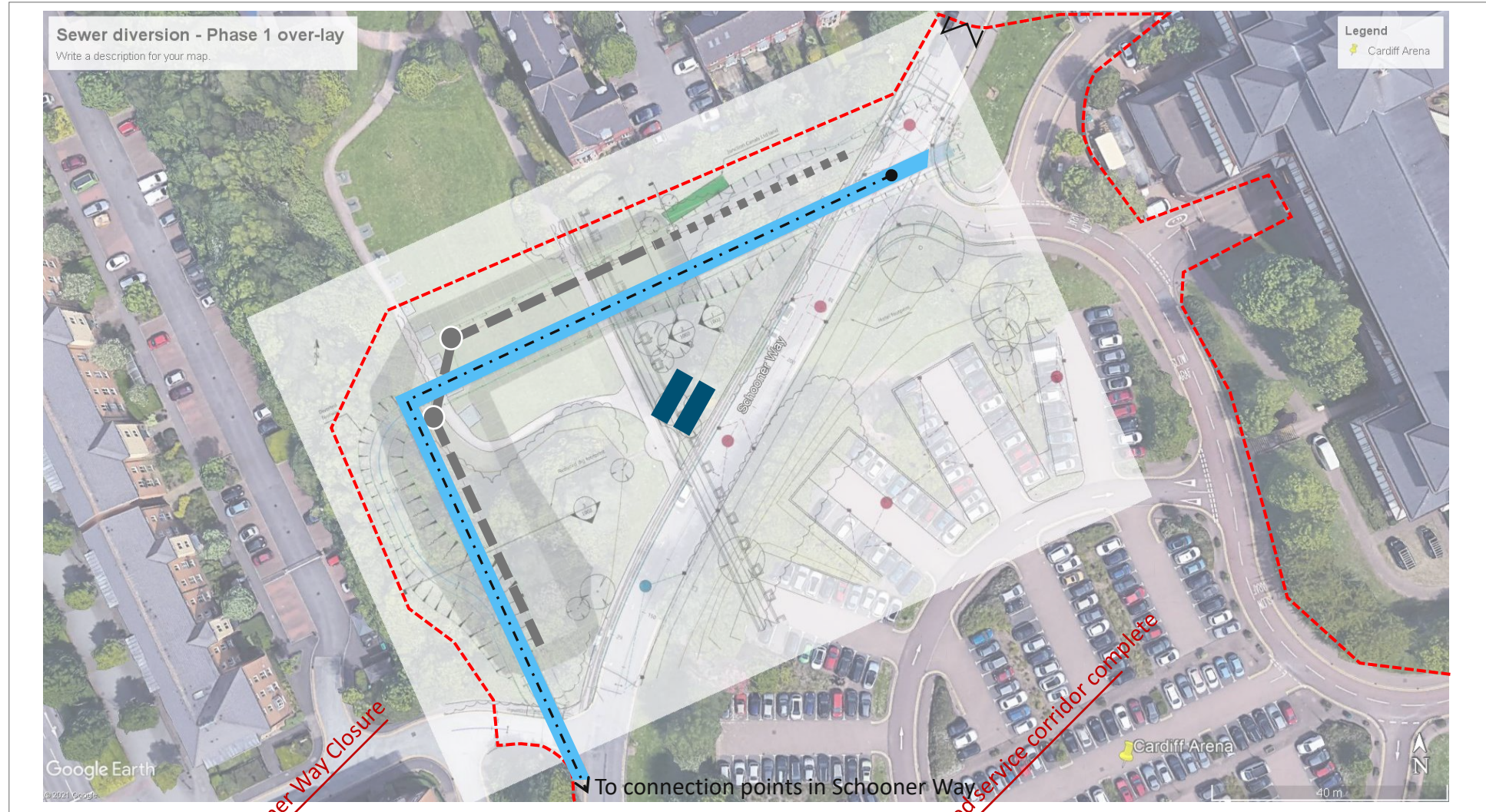
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Sewer & utilities diversion: Utility services diversions

- Excavate multi-utility trench for diversion of the following services:
 - 300mm DCWW water main
 - Gas main
 - 11kVa WPD power cables
 - BT telecoms
 - Vodafone telecoms
 - Virgin Media telecoms
- Only energise those utilities that the new sewer needs to cross in order to complete the connections (i.e. electricity, telecoms and water)
- Road reinstatement along Schooner Way [extent and/or requirement TBC]

NOTE:

All utility diversion timescales for lead-in and construction TBC

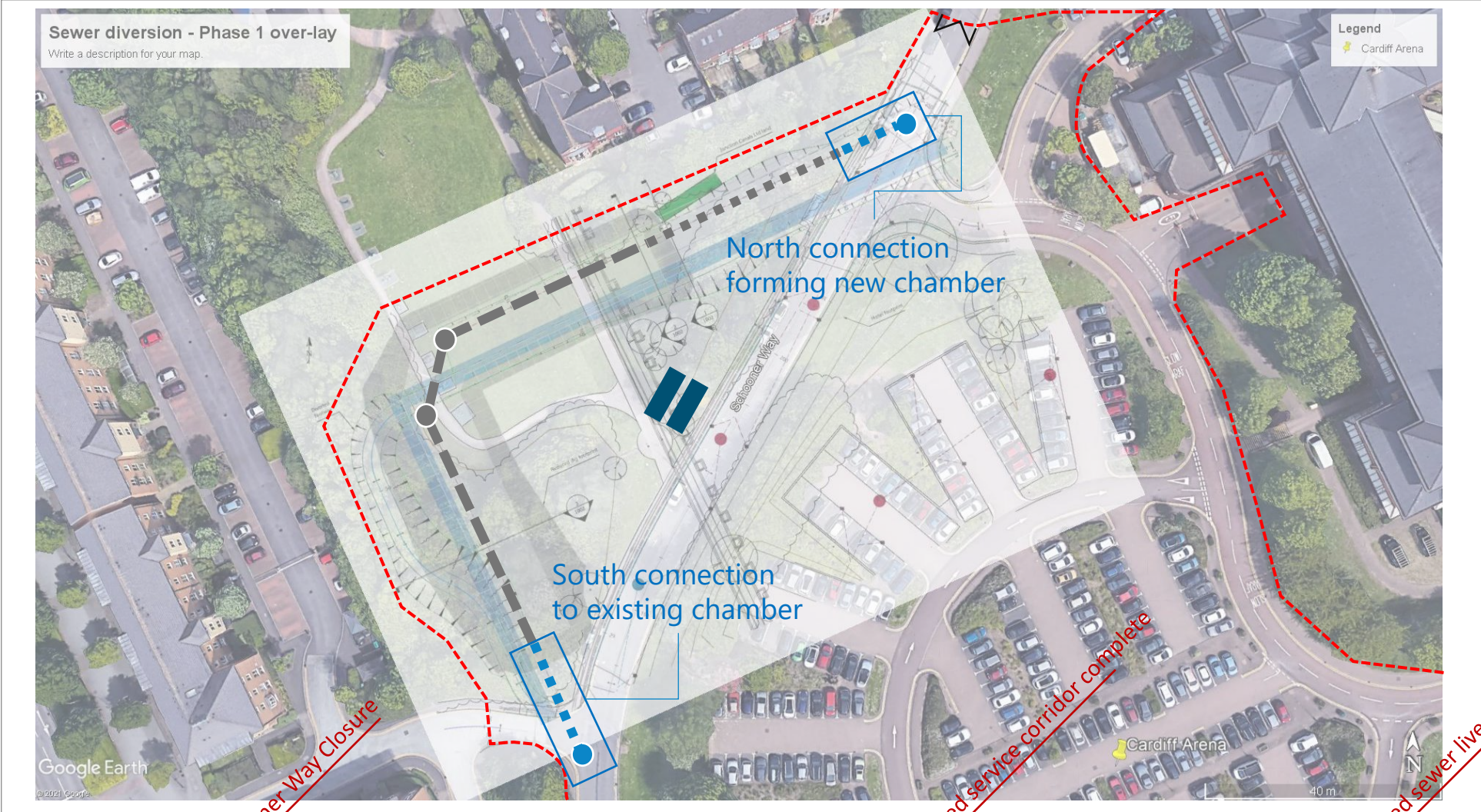


Sewer & utilities diversion: Sewer connections

- Extend sewer lines to the north and south, and make connections to existing line
- Sheet piling c.7 – 7.5m
- Final connections to be carried out by DCWW [Welsh Water] – exact extent/split between private contract install and final connections TBC
- Grout infill abandoned sewer [TBC]

NOTE:

Final co-ordination of utility corridor/connection points required to ensure sewer connections avoid cross-over



Sequence study – County Hall access road reconfiguration



Enabling Works

County Hall North Access: Road Reconfiguration

- Construct newly configured road/footpath arrangement at North access to County Hall

NOTES:

- To be constructed as private road – therefor no allowance for statutory process/adoption
- Bus stop to be relocated before works commence [by CCC?]
- Existing services and drainage study required [location/levels Vs new layout]
- Full scope and design of works required



Sequence study – Arena & Hotel Footprint

Enabling Works

Arena & Hotel Footprint: Preparatory works

- Tree removal & vegetation clearance [follow on from tree removal in sewer zone]
- Break out hardstanding's/kerbs etc. to sub-base [in preparation for UXO probing]

Notes:

The following disconnections are required **before** car park possession & closure [by CCC]:

- street lighting
- Power
- car park ticket machines [APCOA – operators]



CCC car park closure

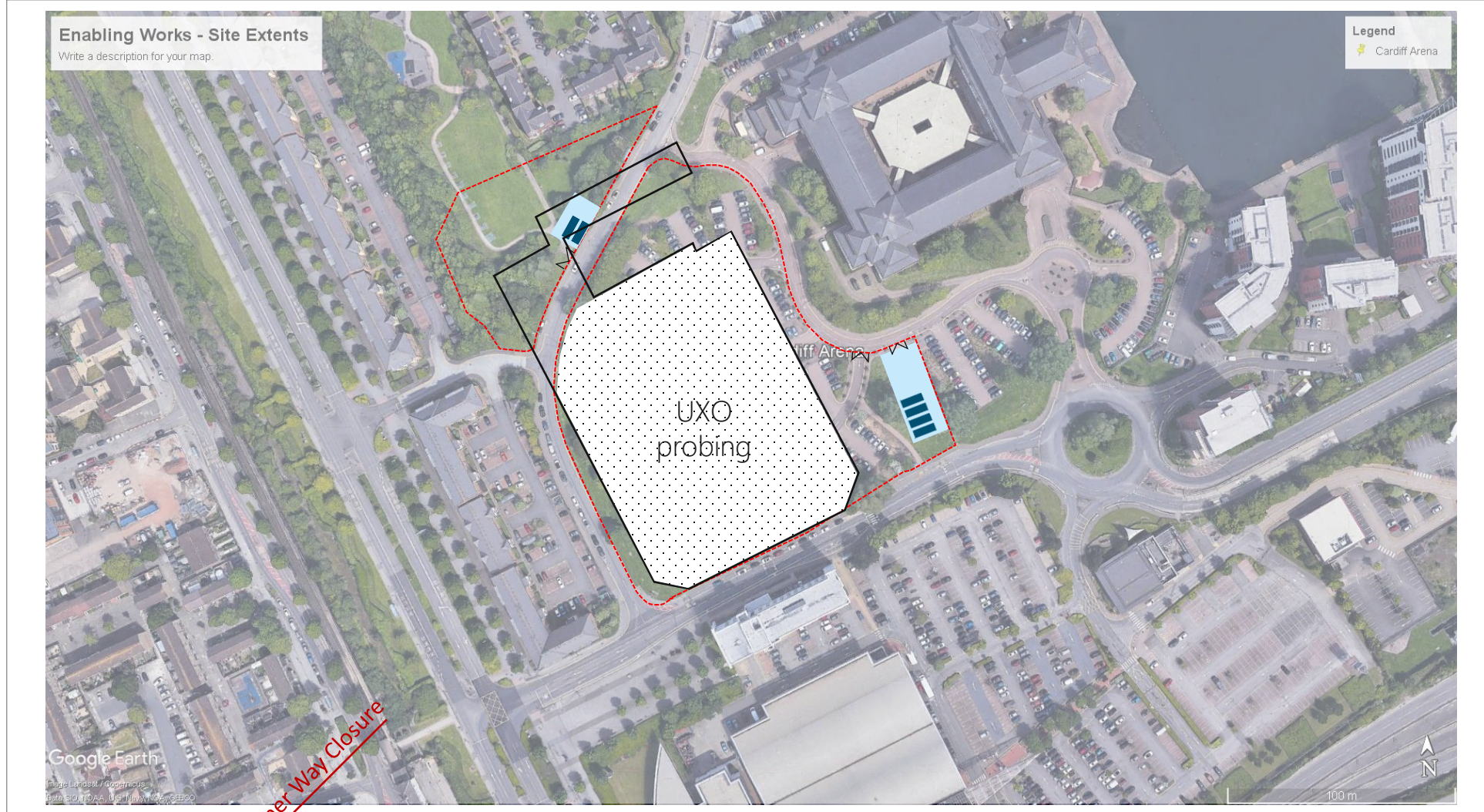


Arena & Hotel Footprint: UXO probing

- UXO probing to Arena footprint
- Extend probing extents to the north after Week 14 [Schooner Way closure]

NOTES:

- Full scope and extents of UXO probing TBC



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Schooner Way Closure

Arena & Hotel Footprint: Platform

- Cut & fill to reduced levels over Arena footprint
- Import [6F2], place and compact piling platform

NOTE:

Hotel footprint earthworks and platforming follow in Construction Phase [unable to progress during enabling works due to overlap with sewer connection works]

