



Tionscaldal Éireann
Project Ireland
2040

DART+ Programme

DART+ Maynooth Line



Preliminary Options Selection Report - Volume 2: Drawings

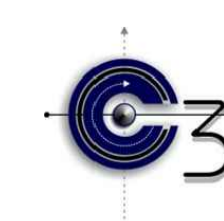
EXISTING UTILITIES

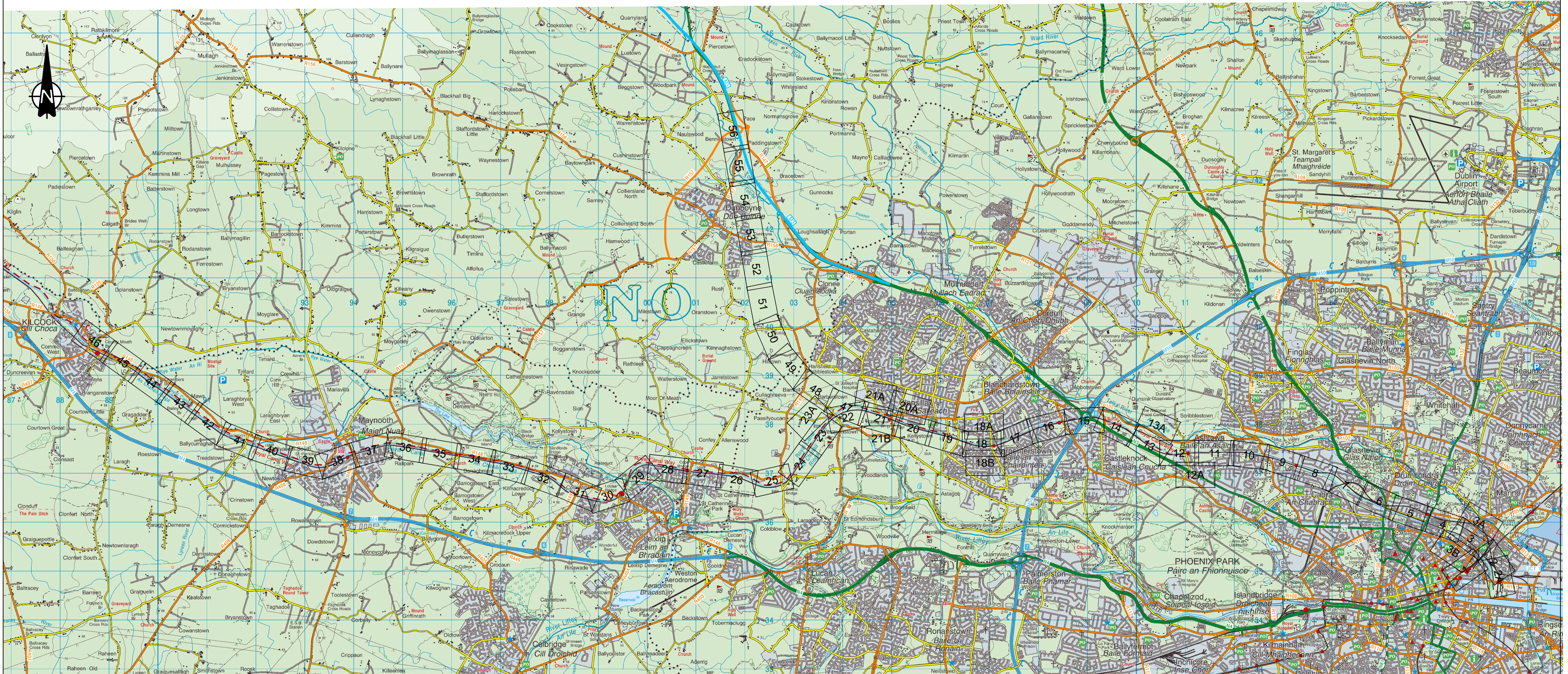
MAY-MDC-UTL-ROUT_DR-C- 0001

Existing Utilities Key Plan

MAY-MDC-UTL-ROUT_DR-C- 0101_0167

Existing Utilities Layout





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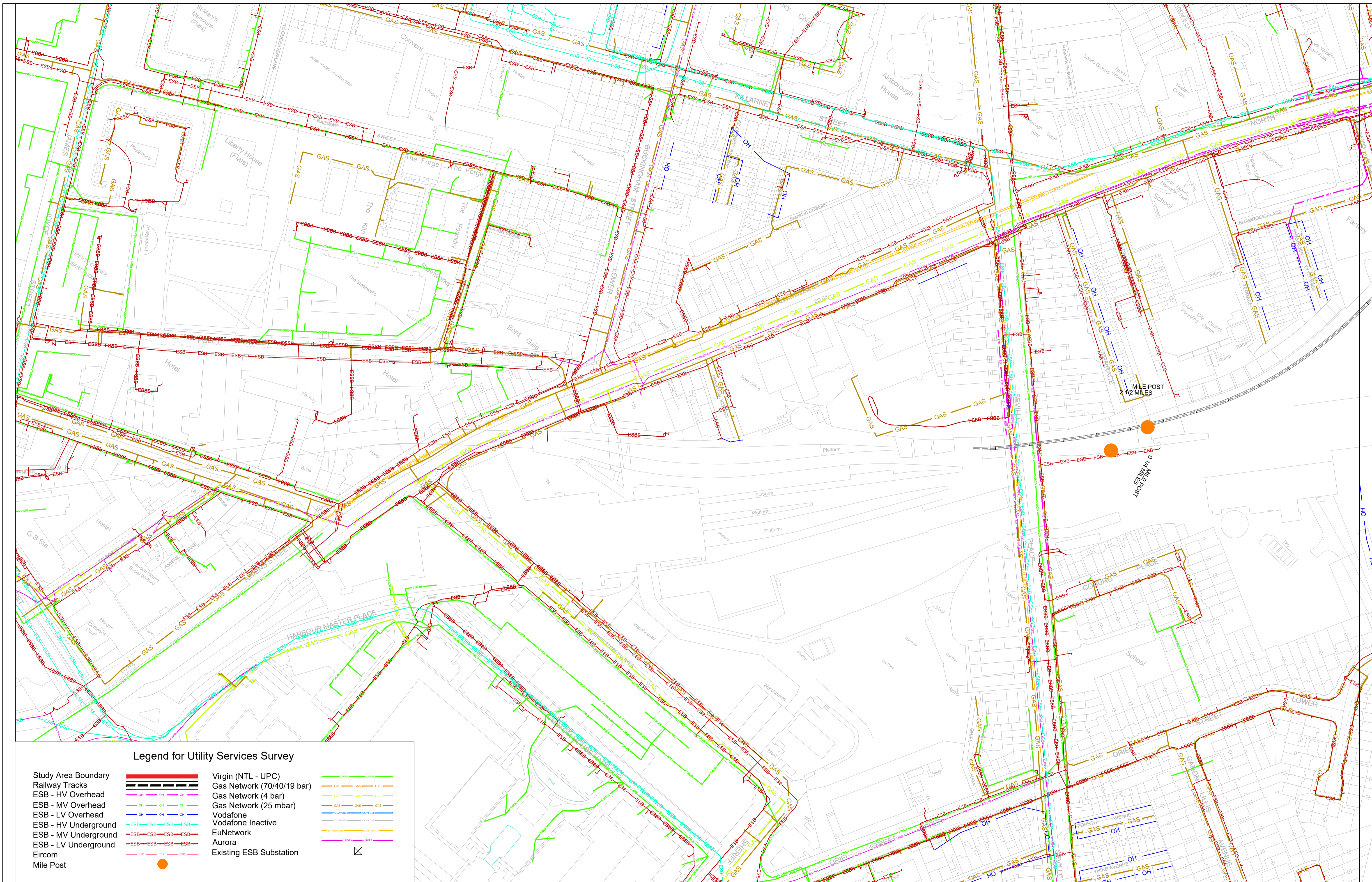
Client

Consultant

Tionscadal Éireann
Project Ireland
2040

Project

Drawing Title												EXISTING UTILITIES KEY PLAN				
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By					
	MAY	MDC	UTL	ROUT	DR	C	0001	DS	MH	CCS	CCS					
Scale: 1:40,000 @ A1	Date: Aug' 2020	Job No: 19.157	Status: S3-Review & Comment	Rev: P0	Sheet: 00 of 67											



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

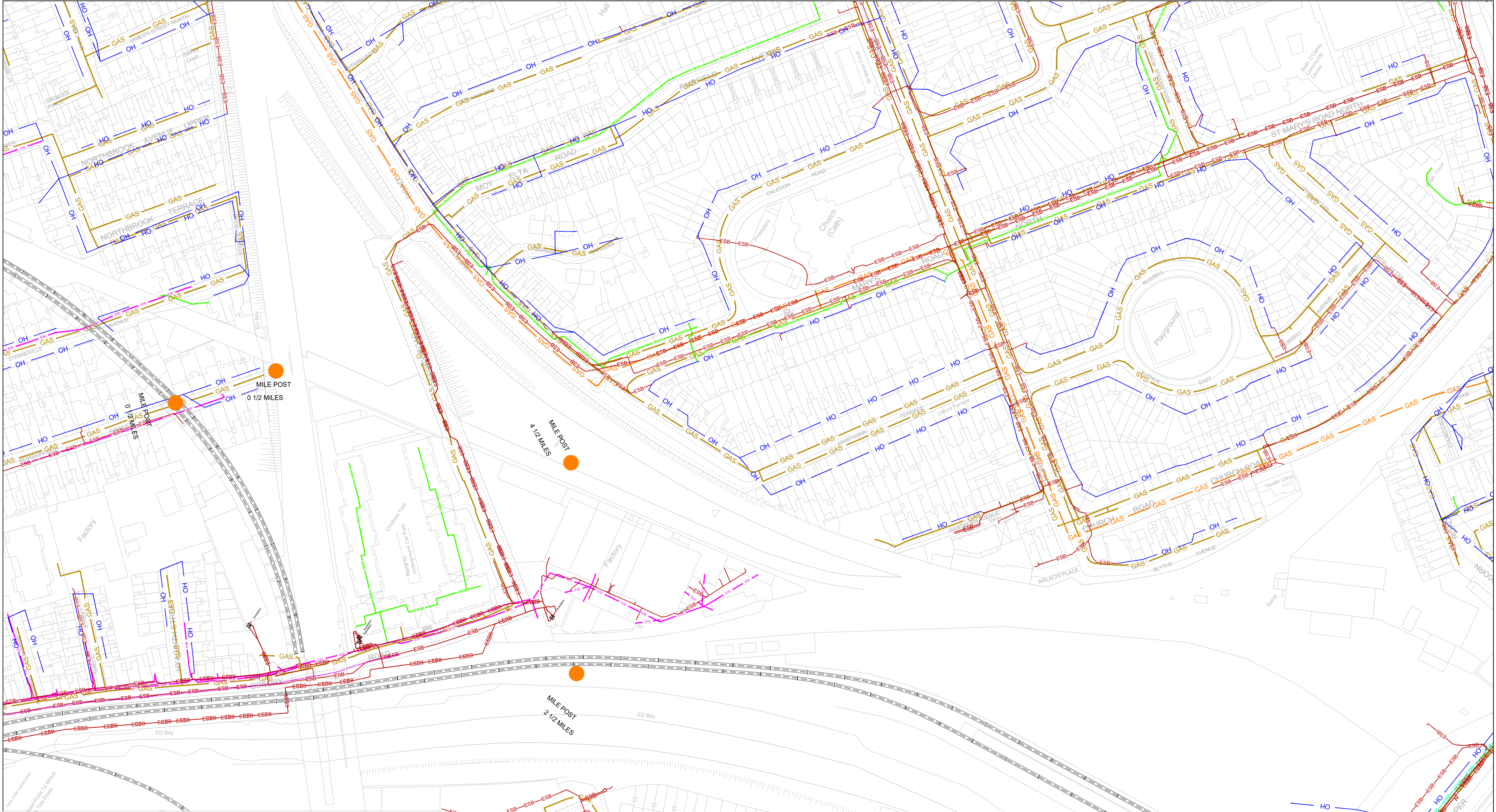
Consultant

Project

Drawing Title

EXISTING UTILITIES LAYOUT

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Rev#0	Sheet: 01 of 67						



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Client

NTA
Údarás Náisiúnta Iompair
National Transport Authority

Consultant

Iarnród Éireann
Irish Rail

IDOM

Project

Tionscaldal Éireann
Project Ireland
2040

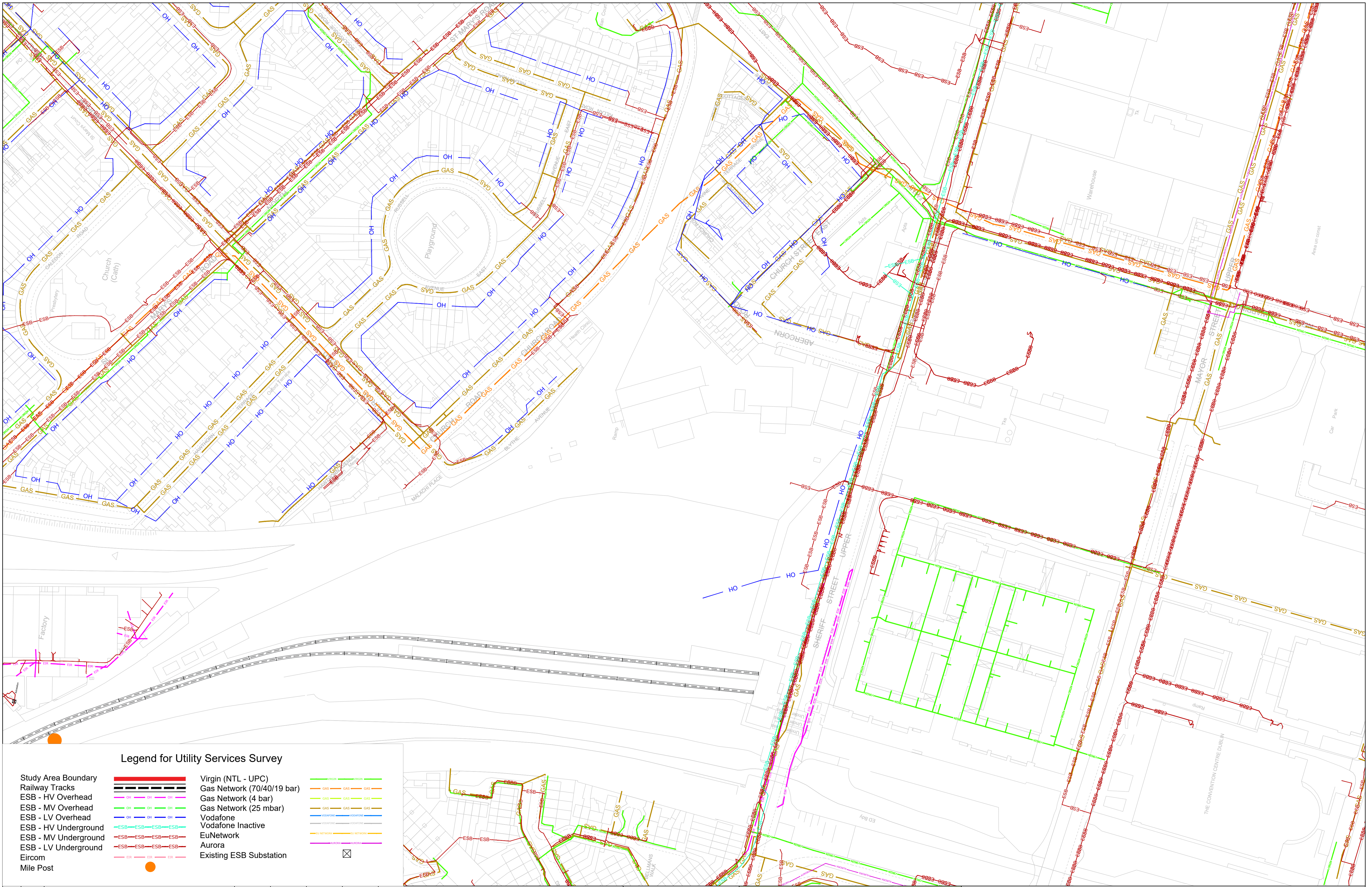
DART+
PROGRAMME

Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment Re#0 Sheet: 02 of 67



Legend for Utility Services Survey

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Client

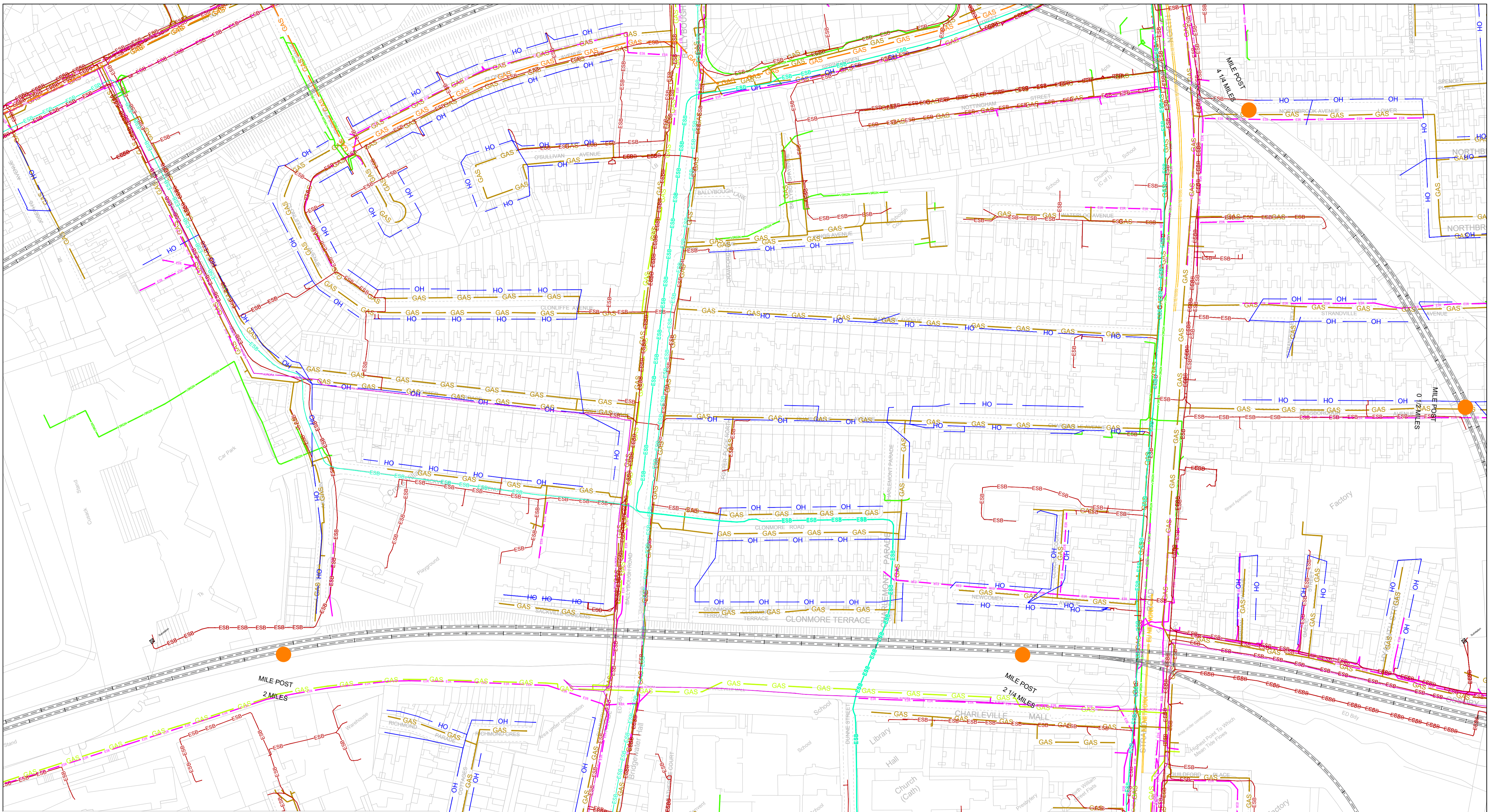
Consultant

Project

Drawing Title

EXISTING UTILITIES LAYOUT

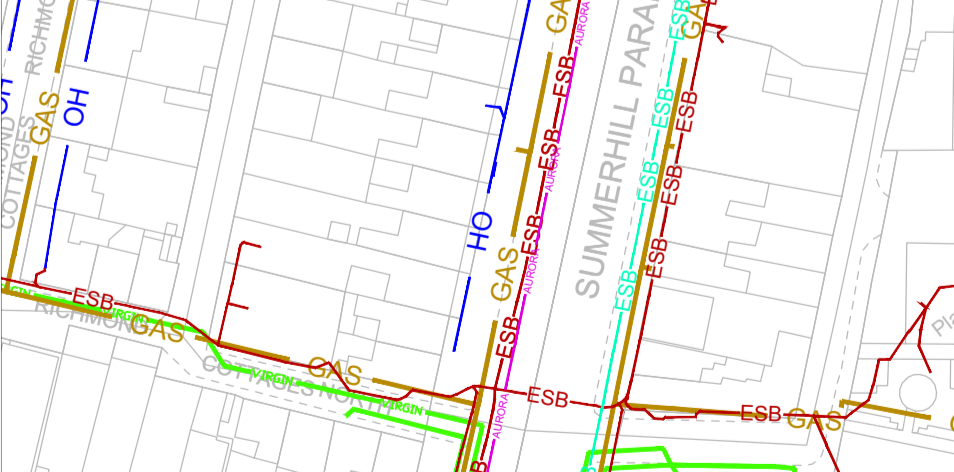
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re: P0	Sheet: 03 of 67						



Legend for Utility Services Survey

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- EuNetwork
- Aurora
- Existing ESB Substation



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Client

Consultant

Tionscald Eireann
Project Ireland
2040

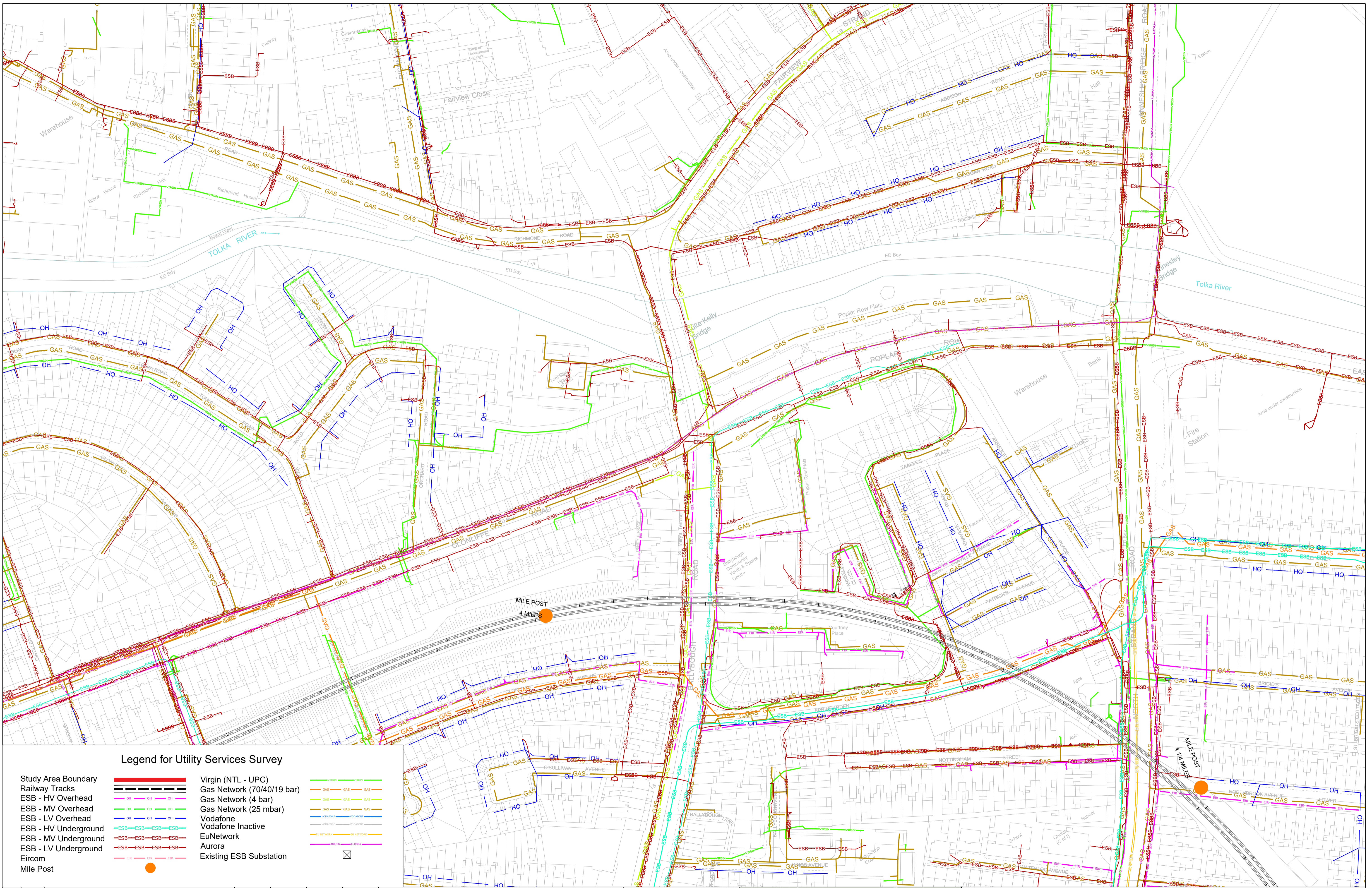
Project

Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 04 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
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Client

Consultant

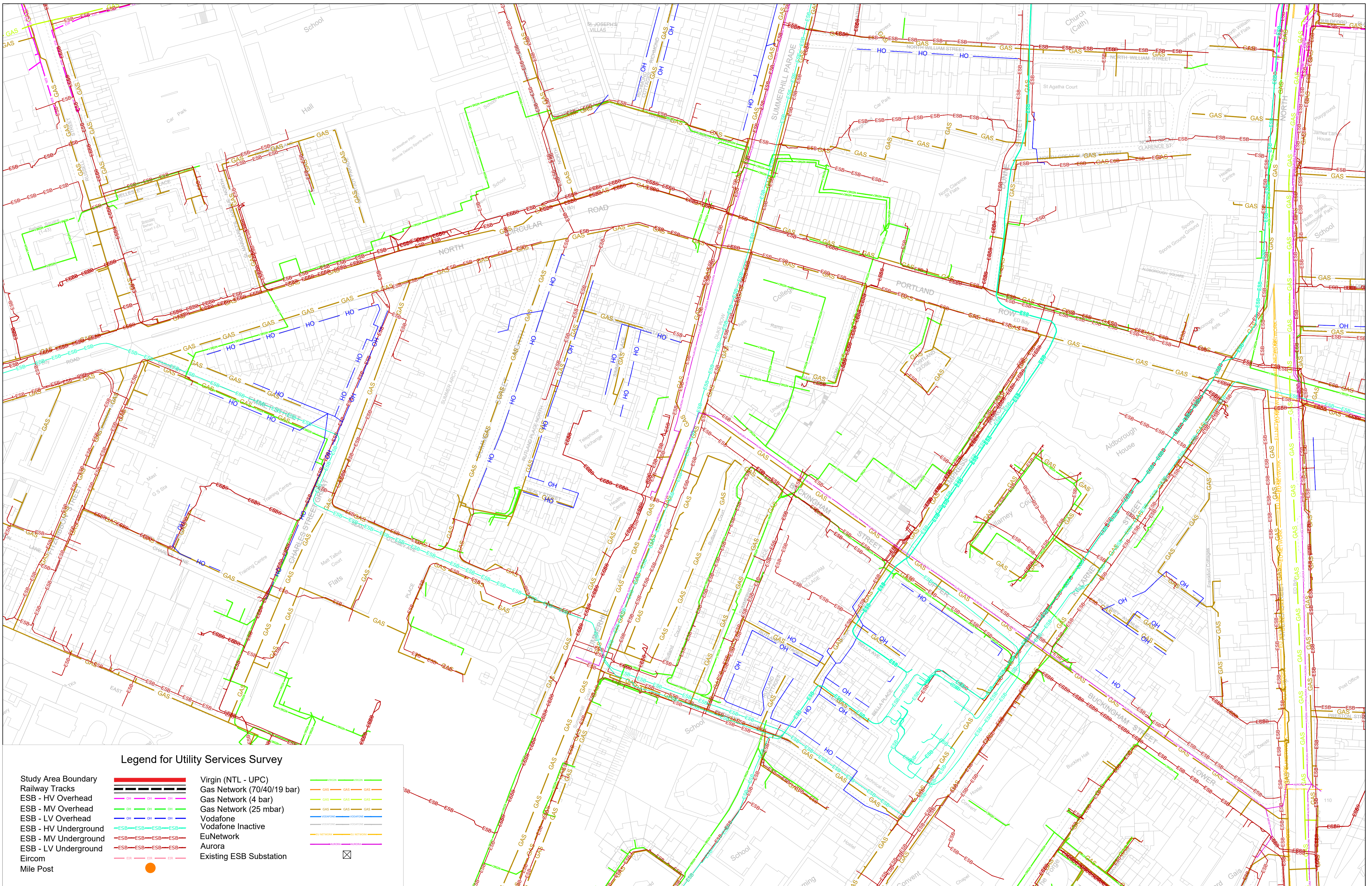
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Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 05 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client

Consultant

Project

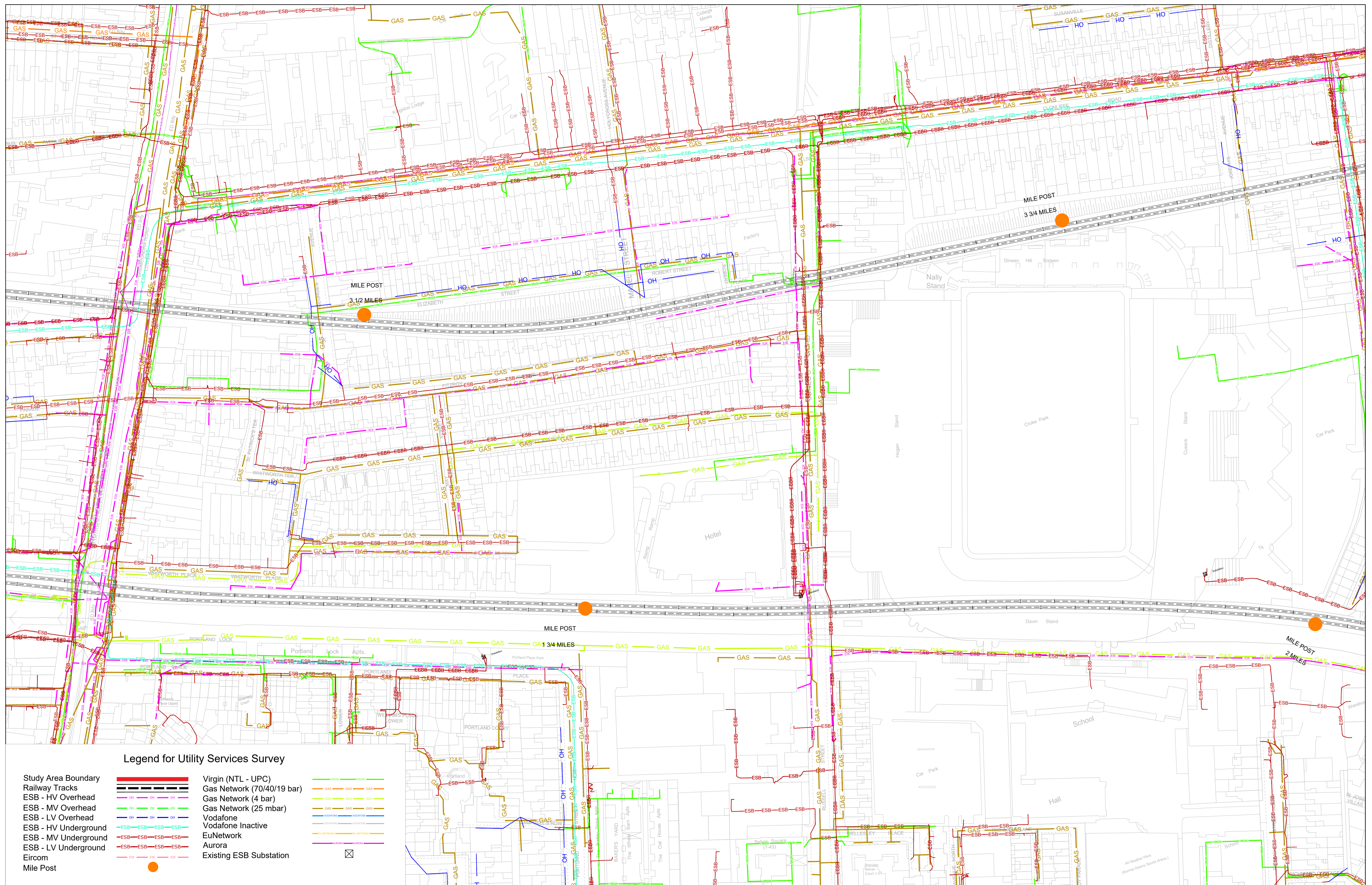
Tionscadal Éireann
Project Ireland
2040

Drawing Title

EXISTING UTILITIES LAYOUT

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
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Client

Consultant

Project

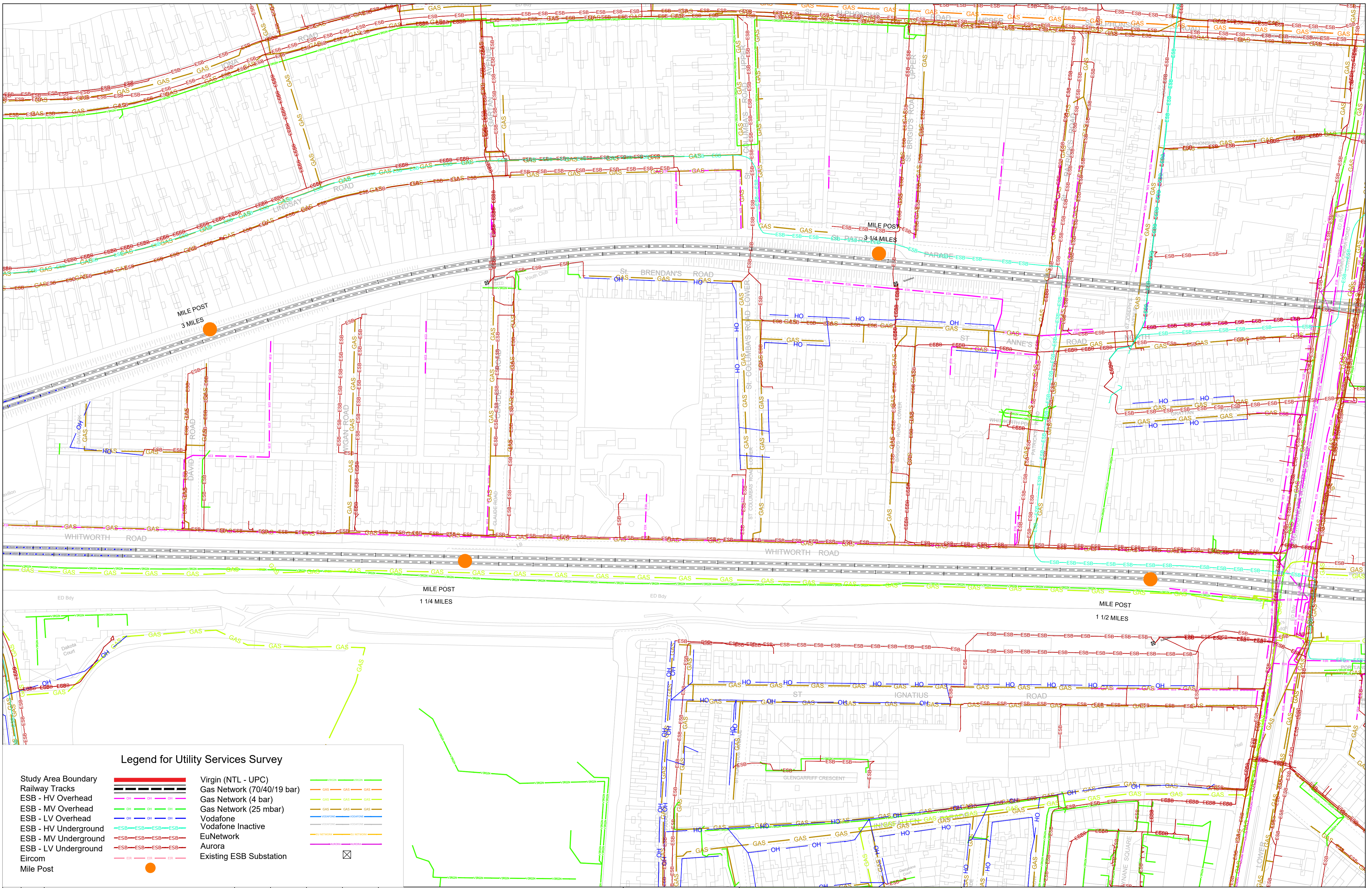
Drawing Title

EXISTING UTILITIES LAYOUT

Drawing Number

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Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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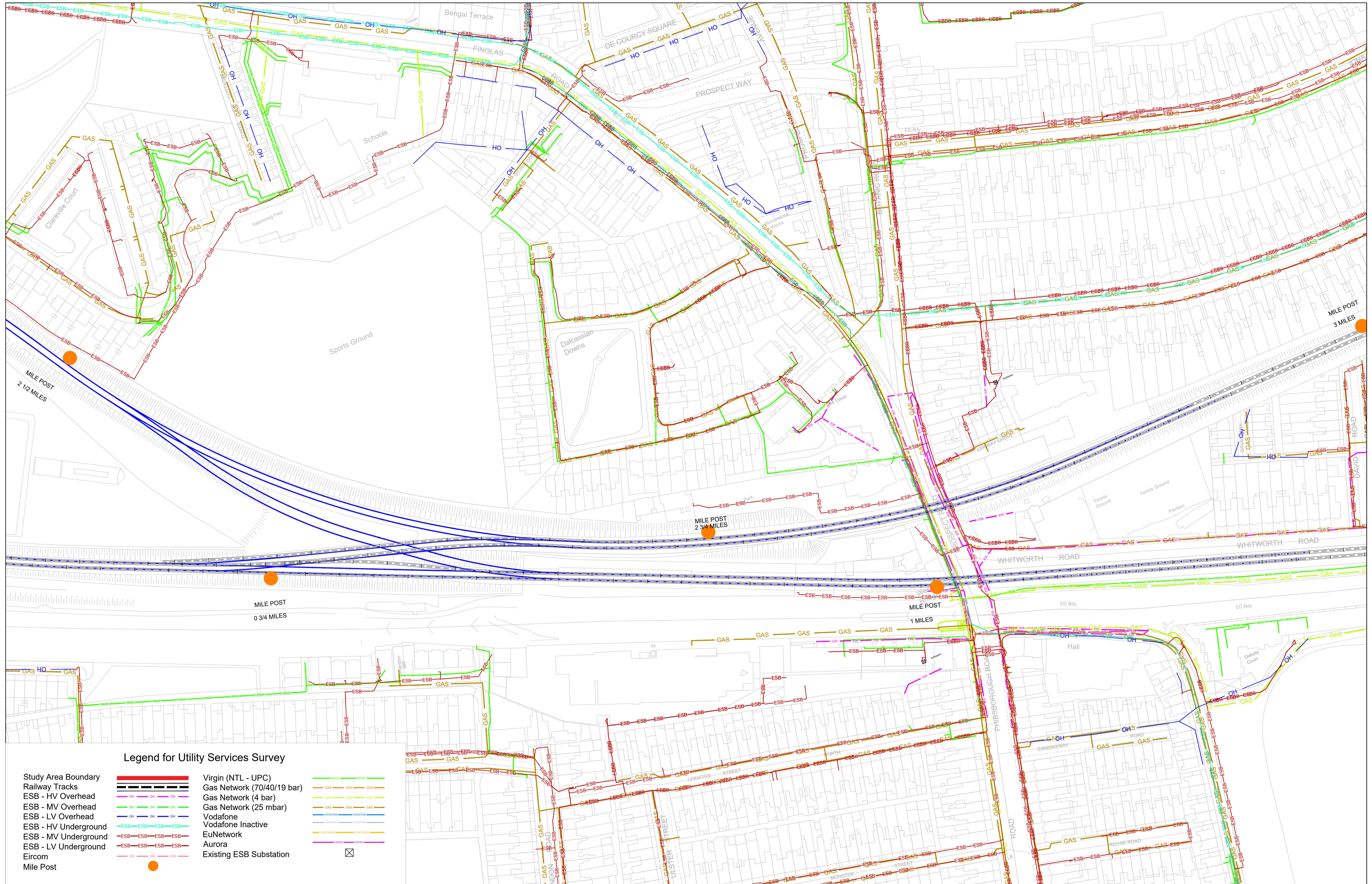
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Tionscadal Éireann
Project Ireland
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Project

DART+
MAYNOOTH LINE

Drawing Title										EXISTING UTILITIES LAYOUT				
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By			
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Legend for Utility Services Survey

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Consultant

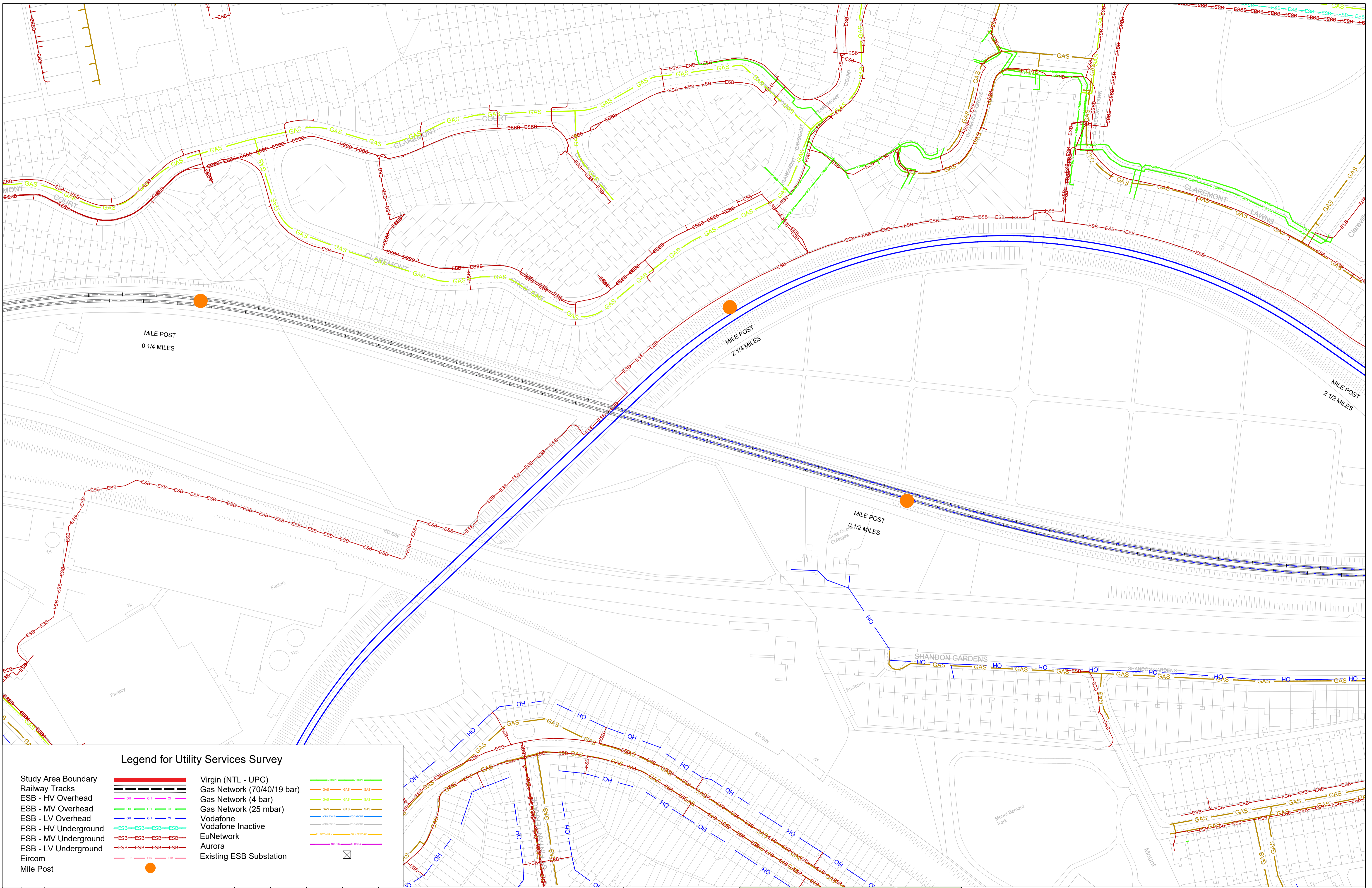
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Drawing Title

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Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
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| ESB - MV Overhead | | Gas Network (25 mbar) | |
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| ESB - HV Underground | | Vodafone Inactive | |
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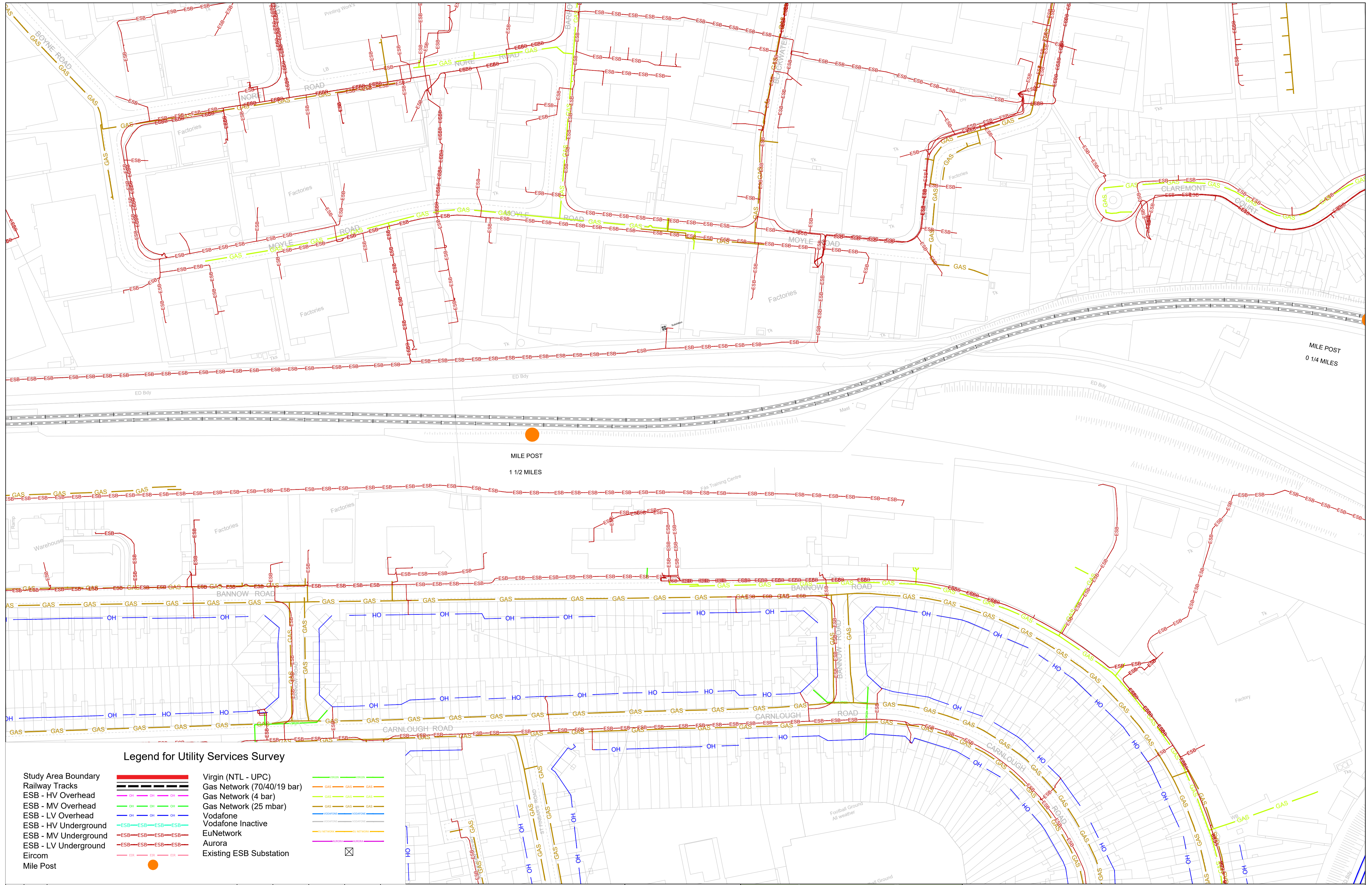
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Project

Project

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Project Ireland
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Project

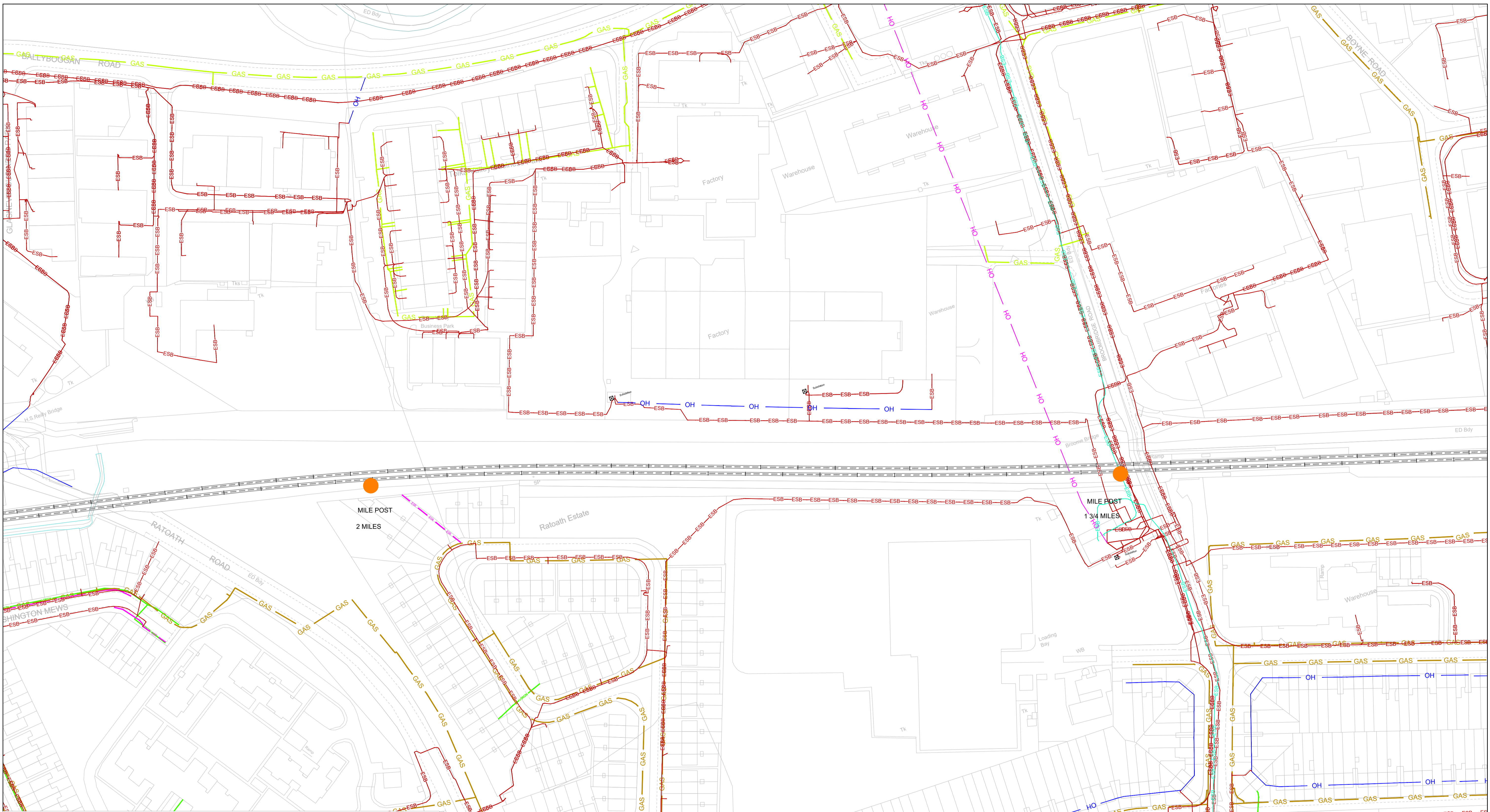
DART+
MAYNOOTH LINE

Drawing Title

EXISTING UTILITIES LAYOUT

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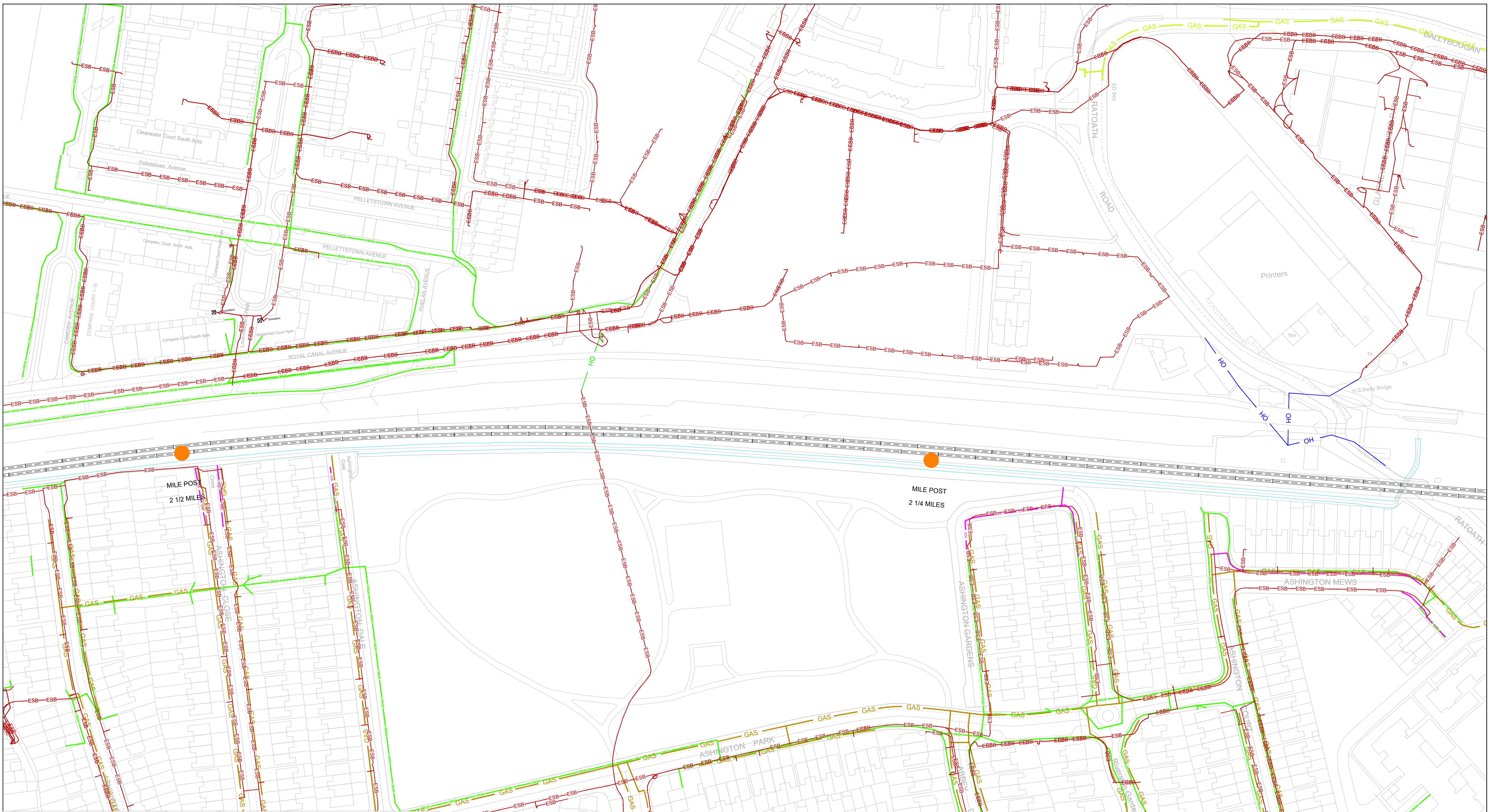
Client

Consultant

Project

DART+
MAYNOOTH LINE

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- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

- Water
- Gas
- Gas
- Gas
- Vodafone
- Vodafone
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

Consultant

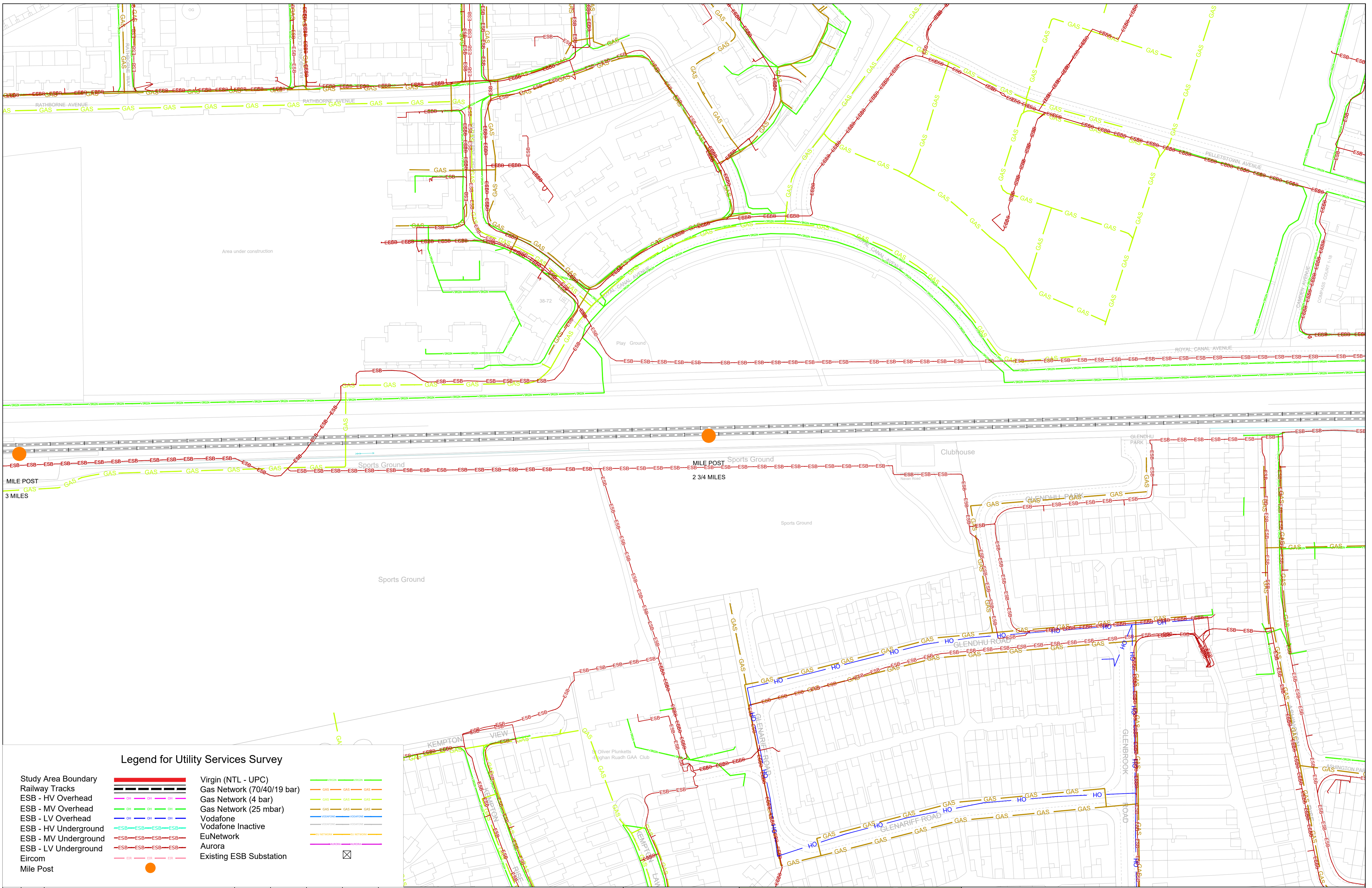
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Drawing Title

EXISTING UTILITIES LAYOUT

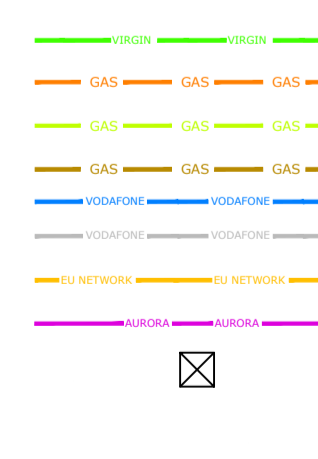
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	MAY	MDC	UTL	ROUT	DR	C	0113	EP	MH	CCS	CCS

Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment Re:0 Sheet: 13 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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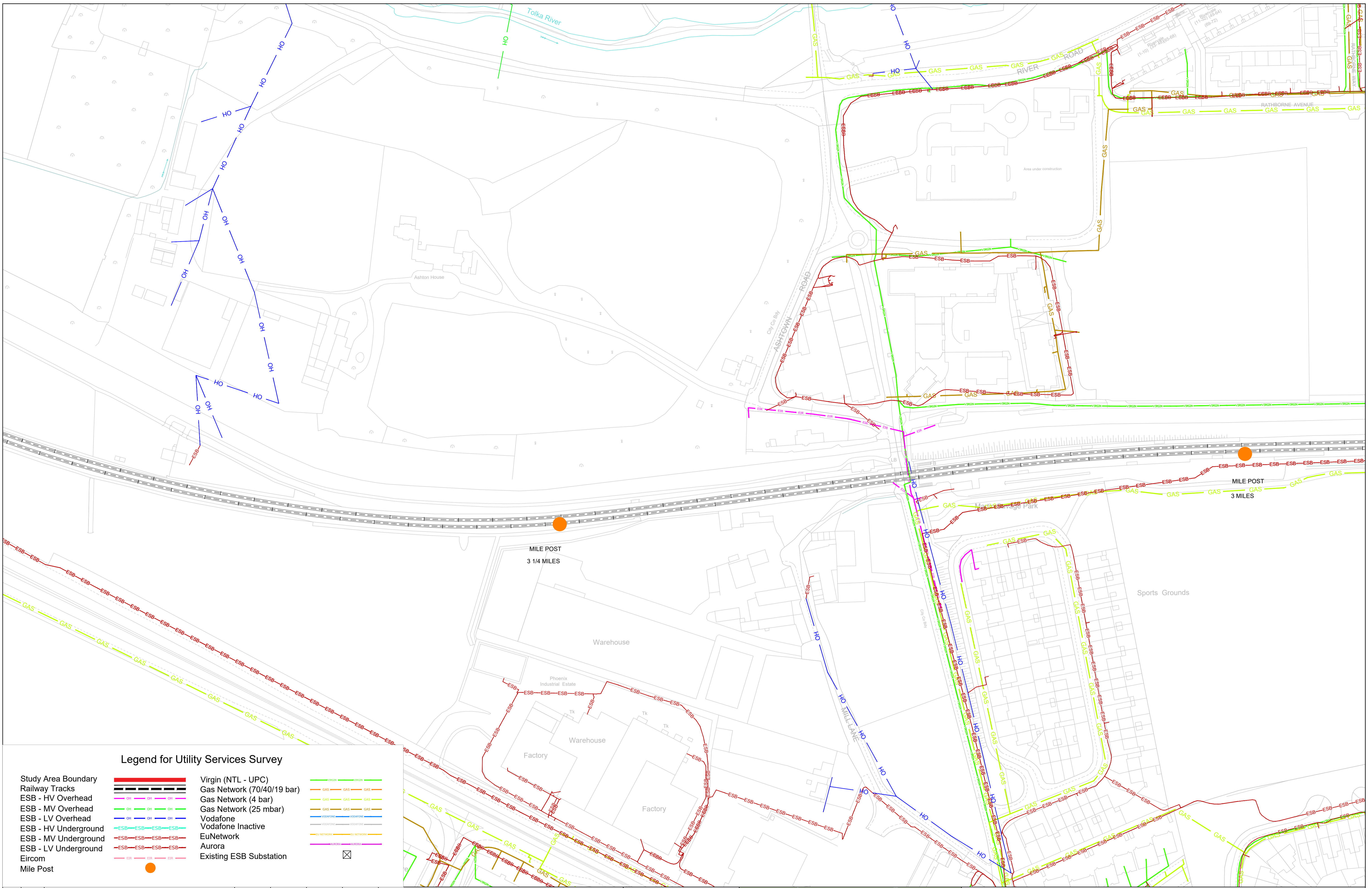
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Consultant

Project

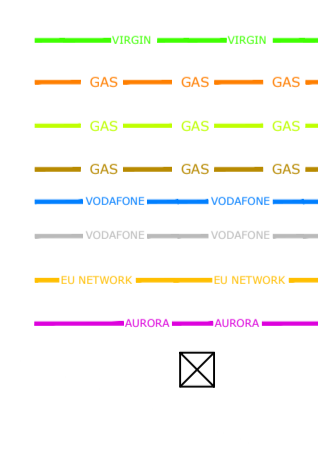
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Drawing Title											
EXISTING UTILITIES LAYOUT											
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 14 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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Client

Consultant

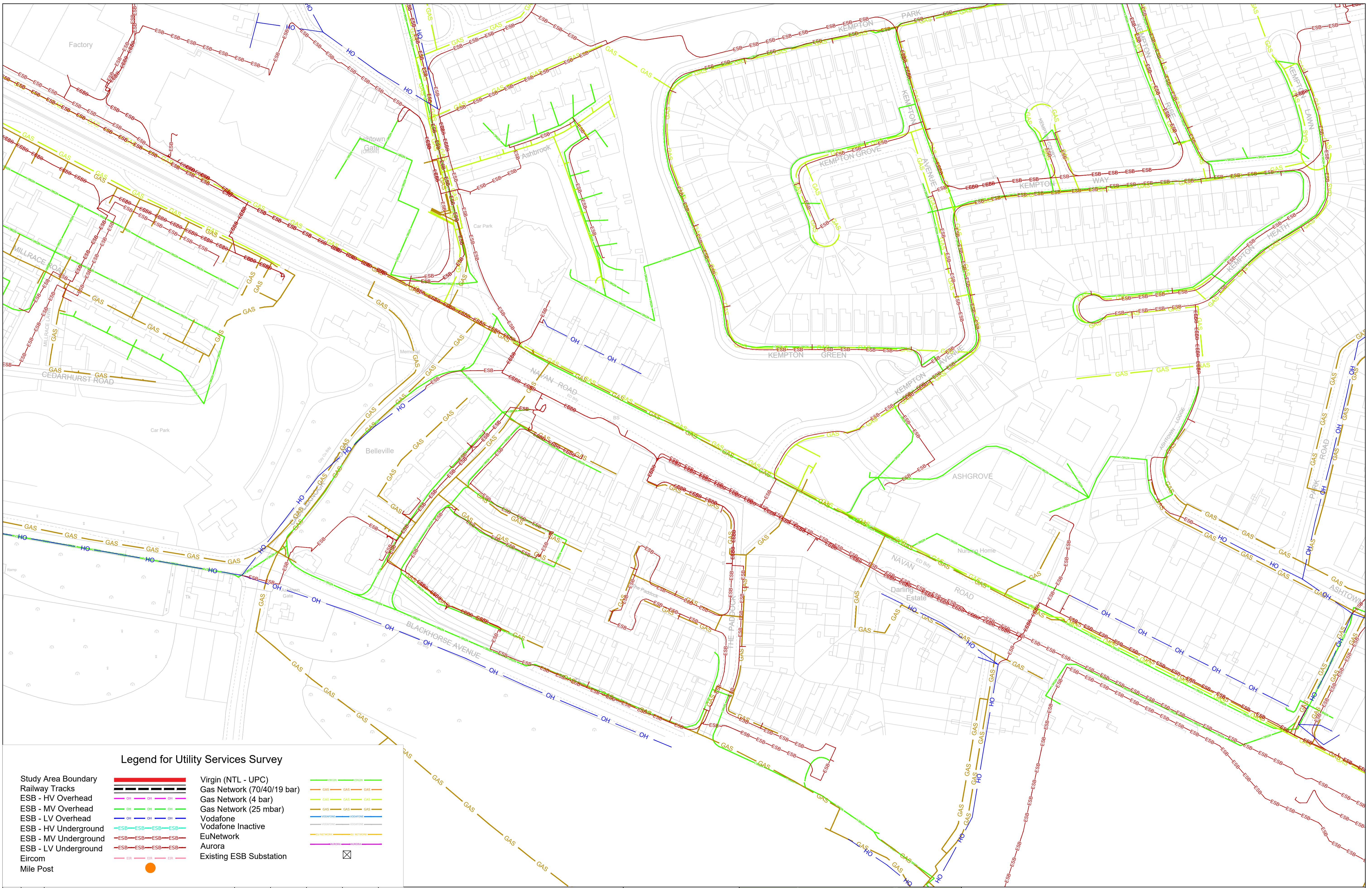
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Drawing Title

EXISTING UTILITIES LAYOUT

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	MAY	MDC	UTL	ROUT	DR	C	0115	EP	MH	CCS	CCS

Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 15 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

Consultant

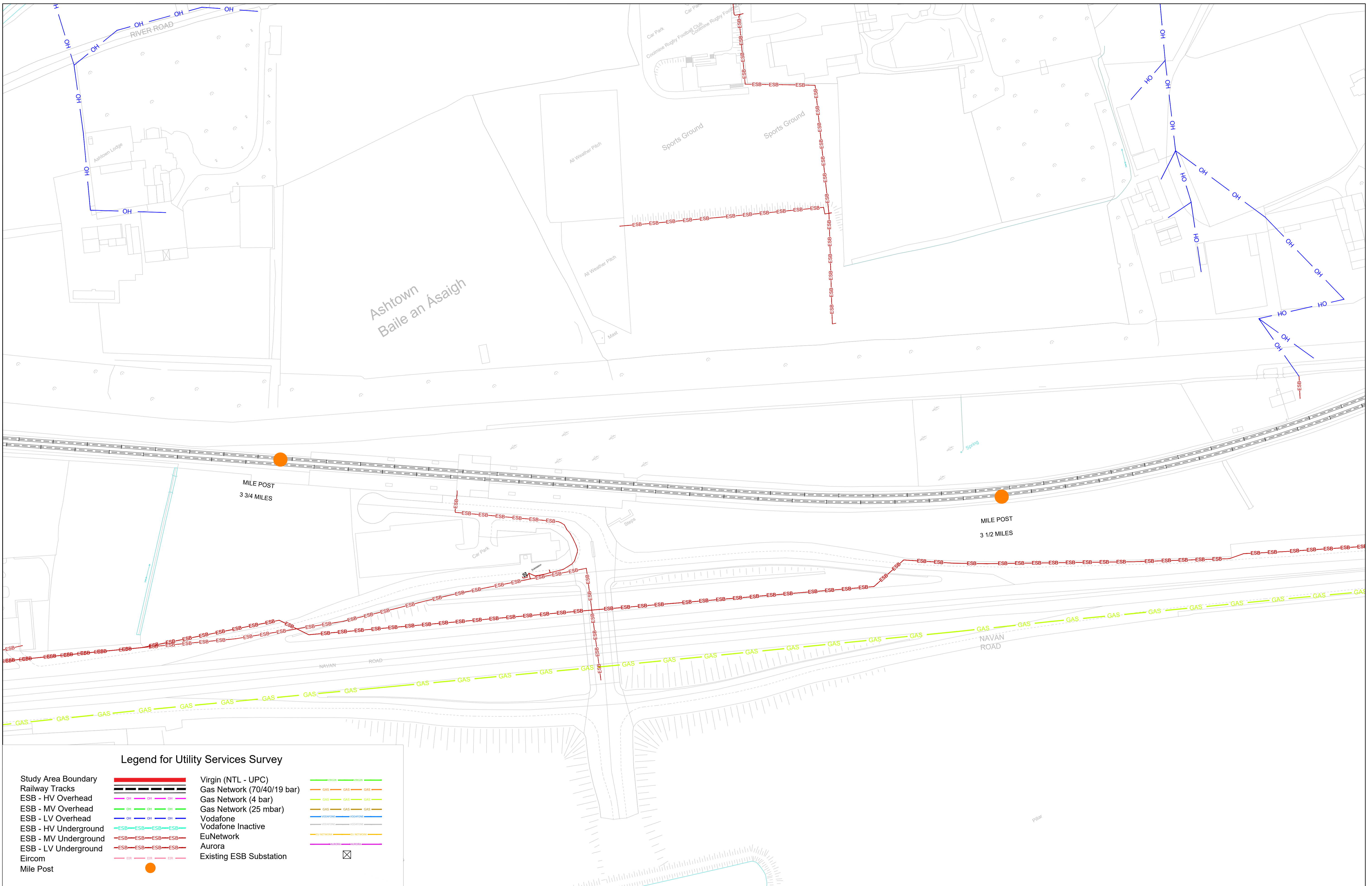
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EXISTING UTILITIES LAYOUT

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Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 16 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client

Consultant

Tionscadal Éireann Project Ireland 2040

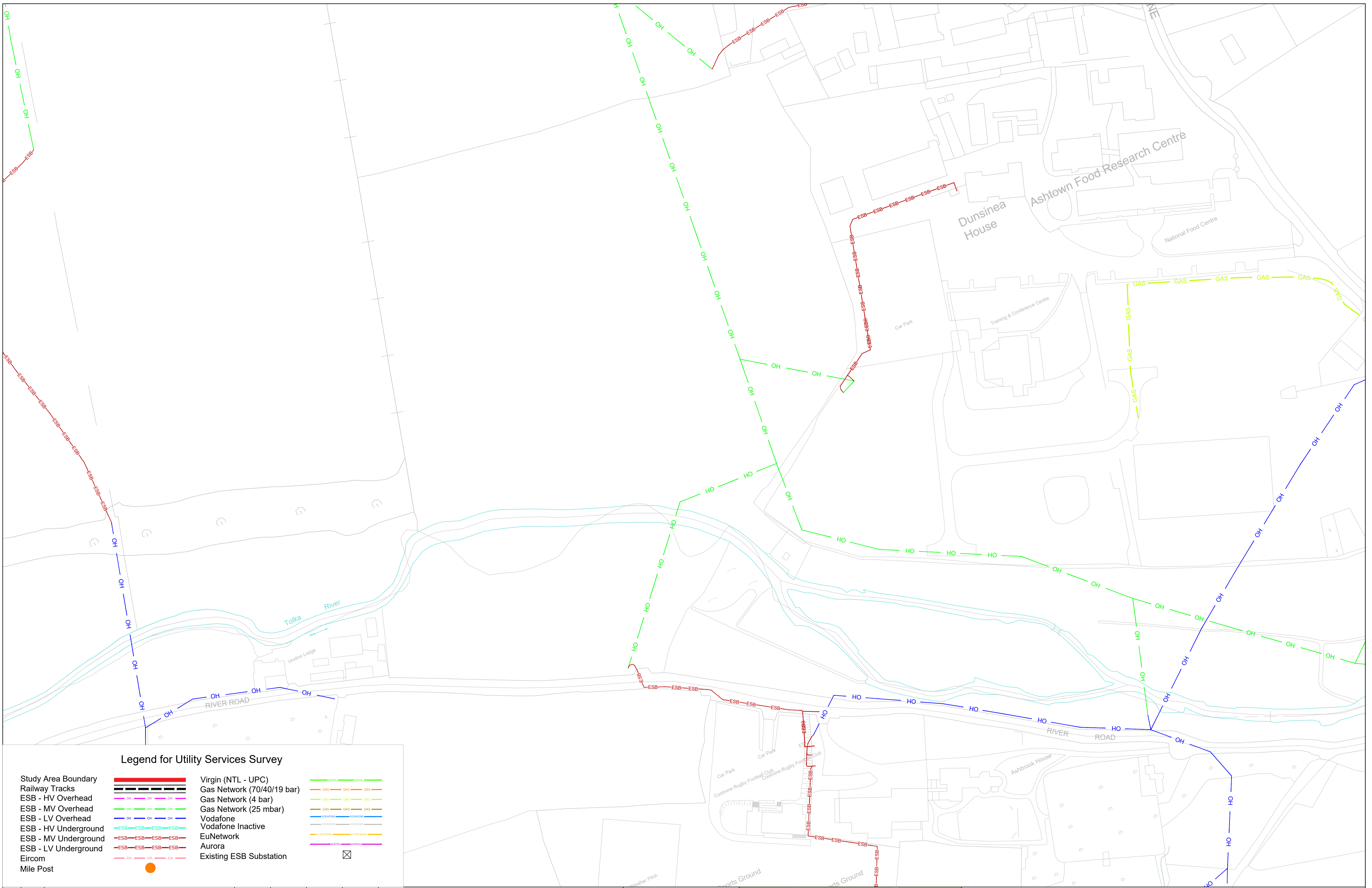
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Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 17 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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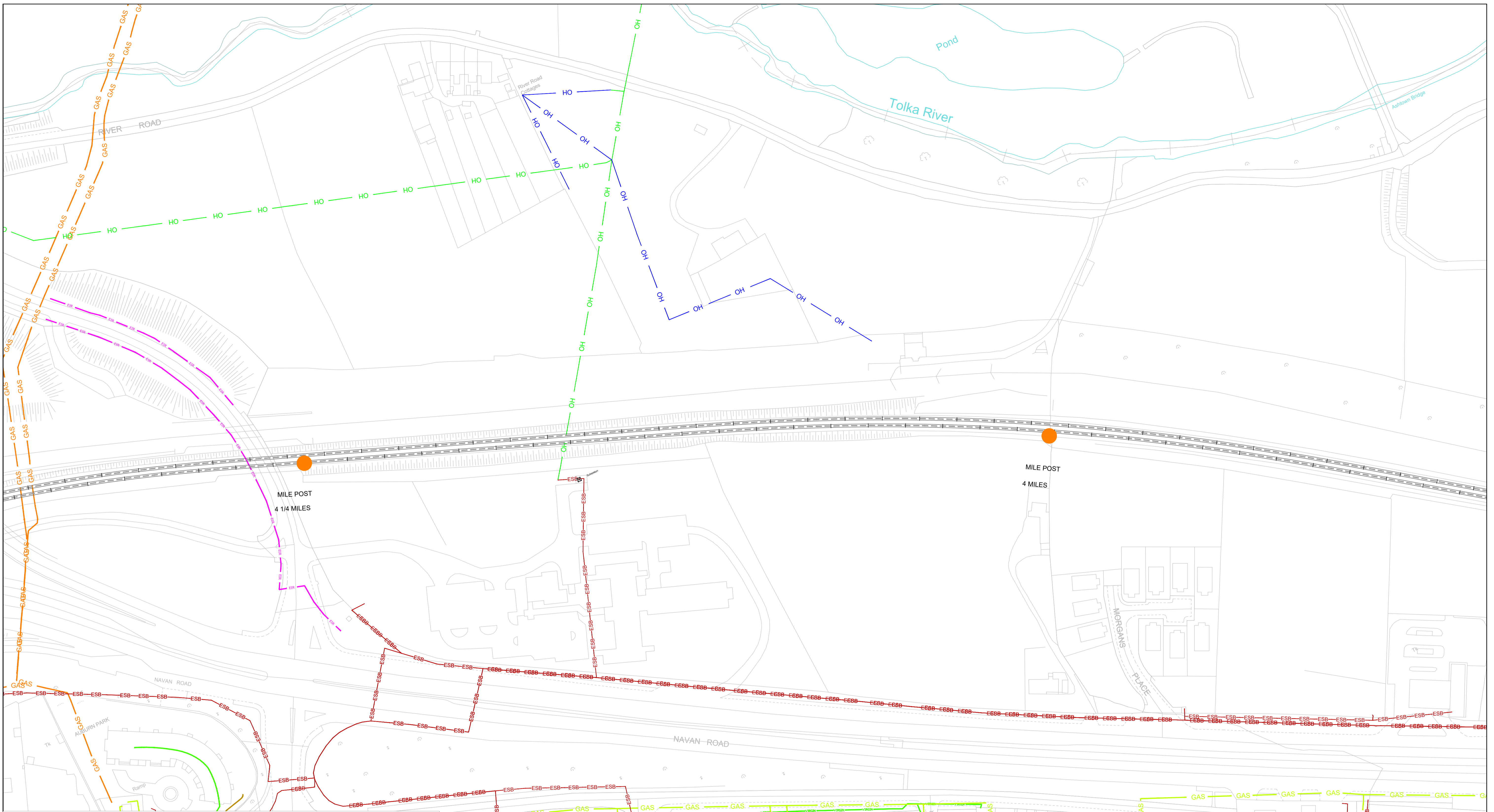
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

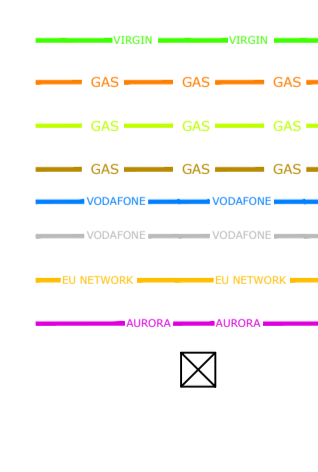
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 18 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



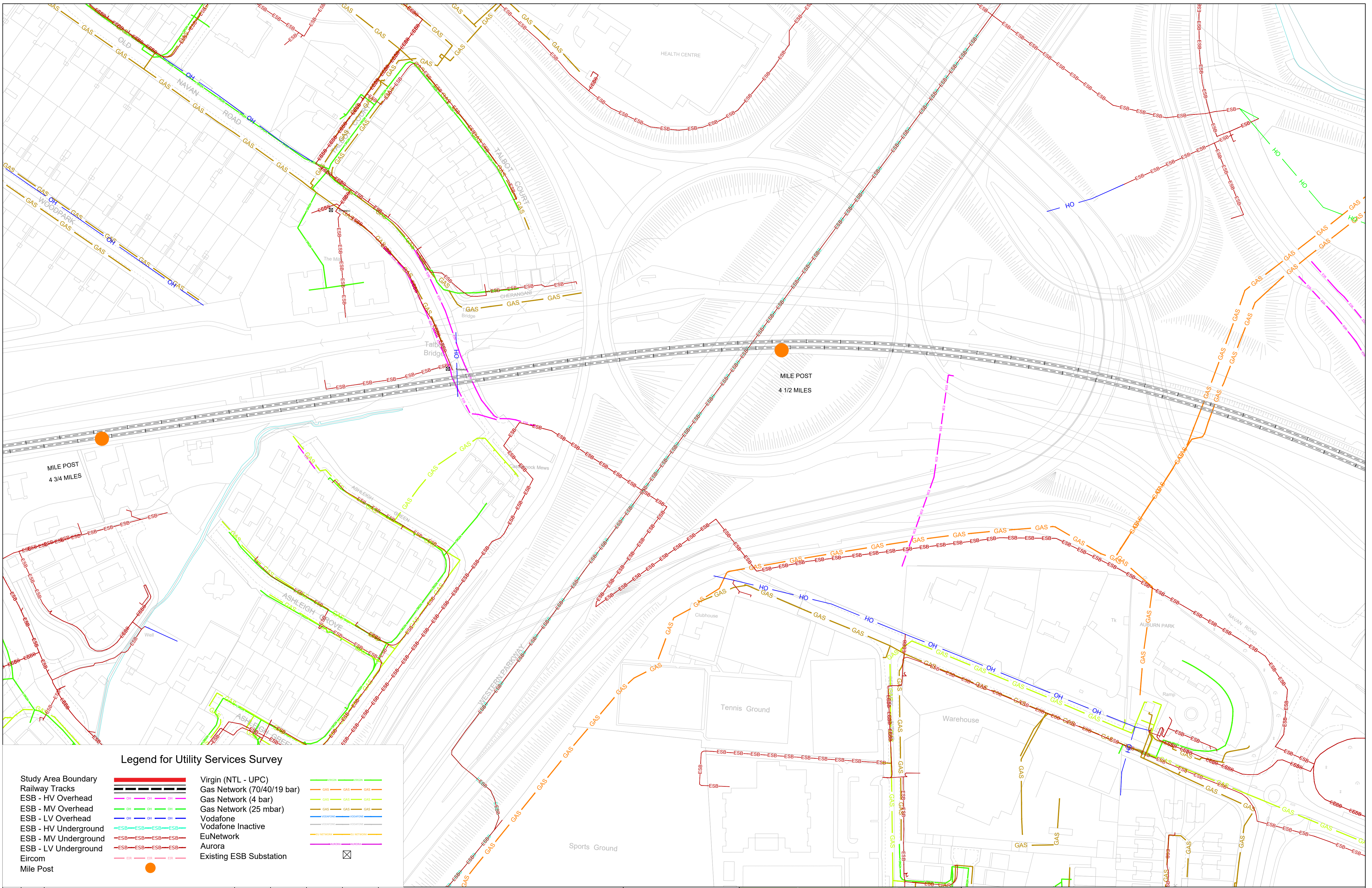
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Client

Consultant

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 19 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

Consultant

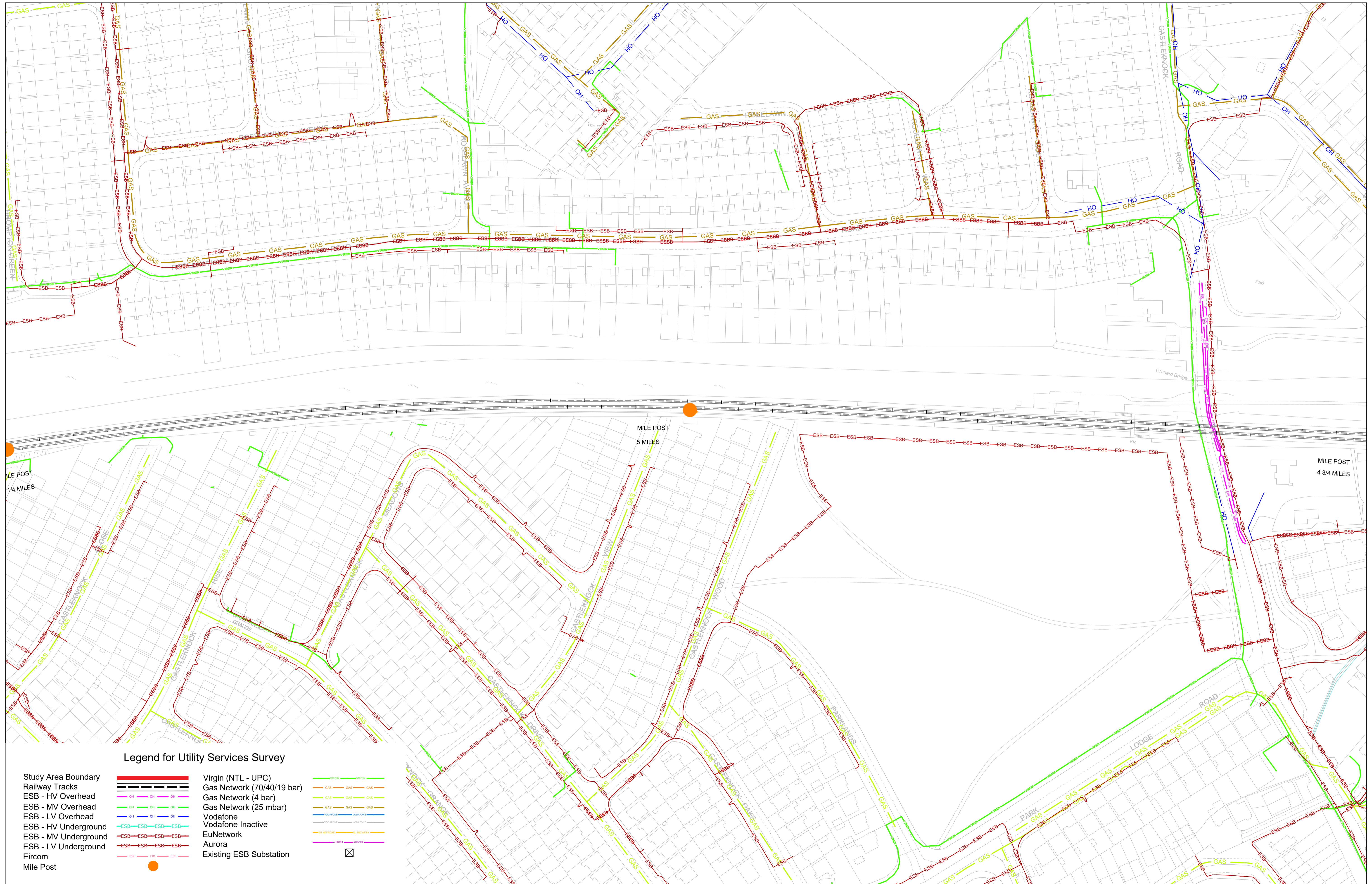
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Drawing Title

EXISTING UTILITIES LAYOUT

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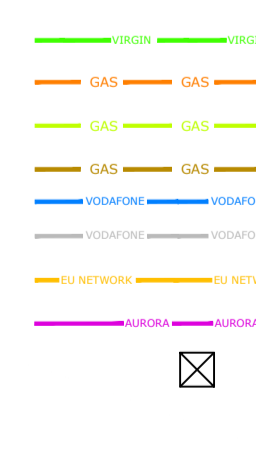
Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 20 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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Client

Consultant

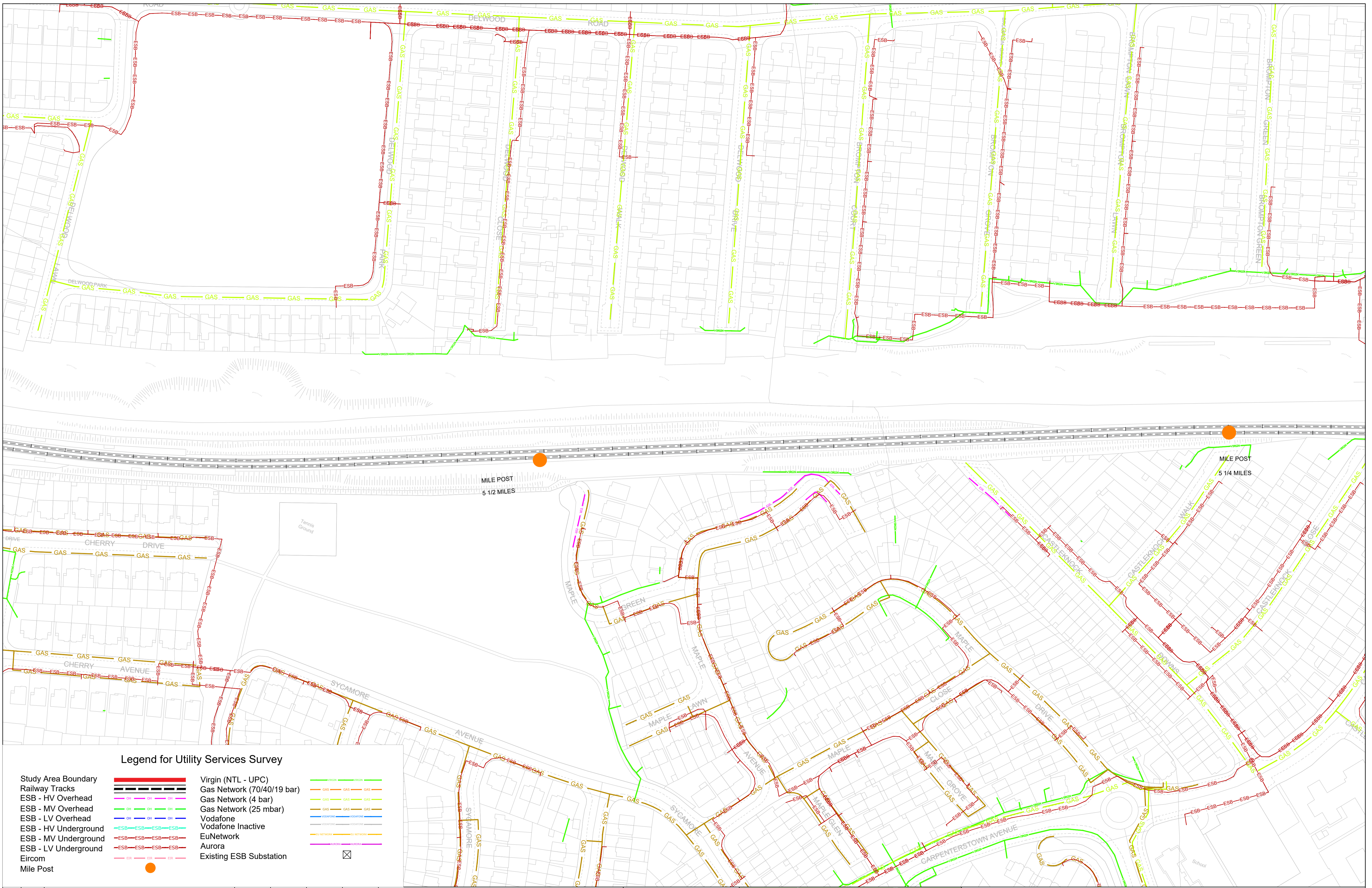
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EXISTING UTILITIES LAYOUT

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Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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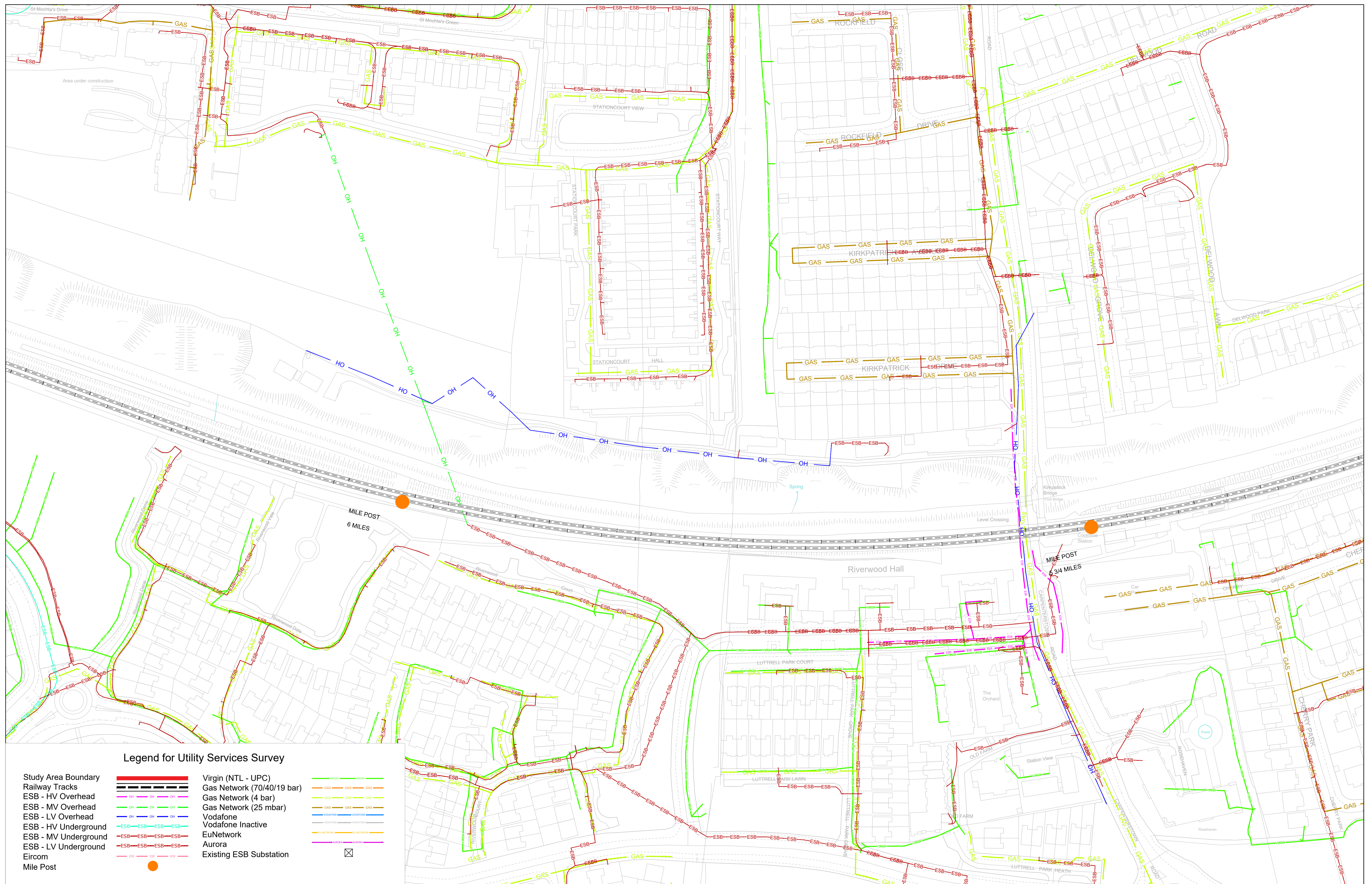
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Project

Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 22 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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Client

Consultant

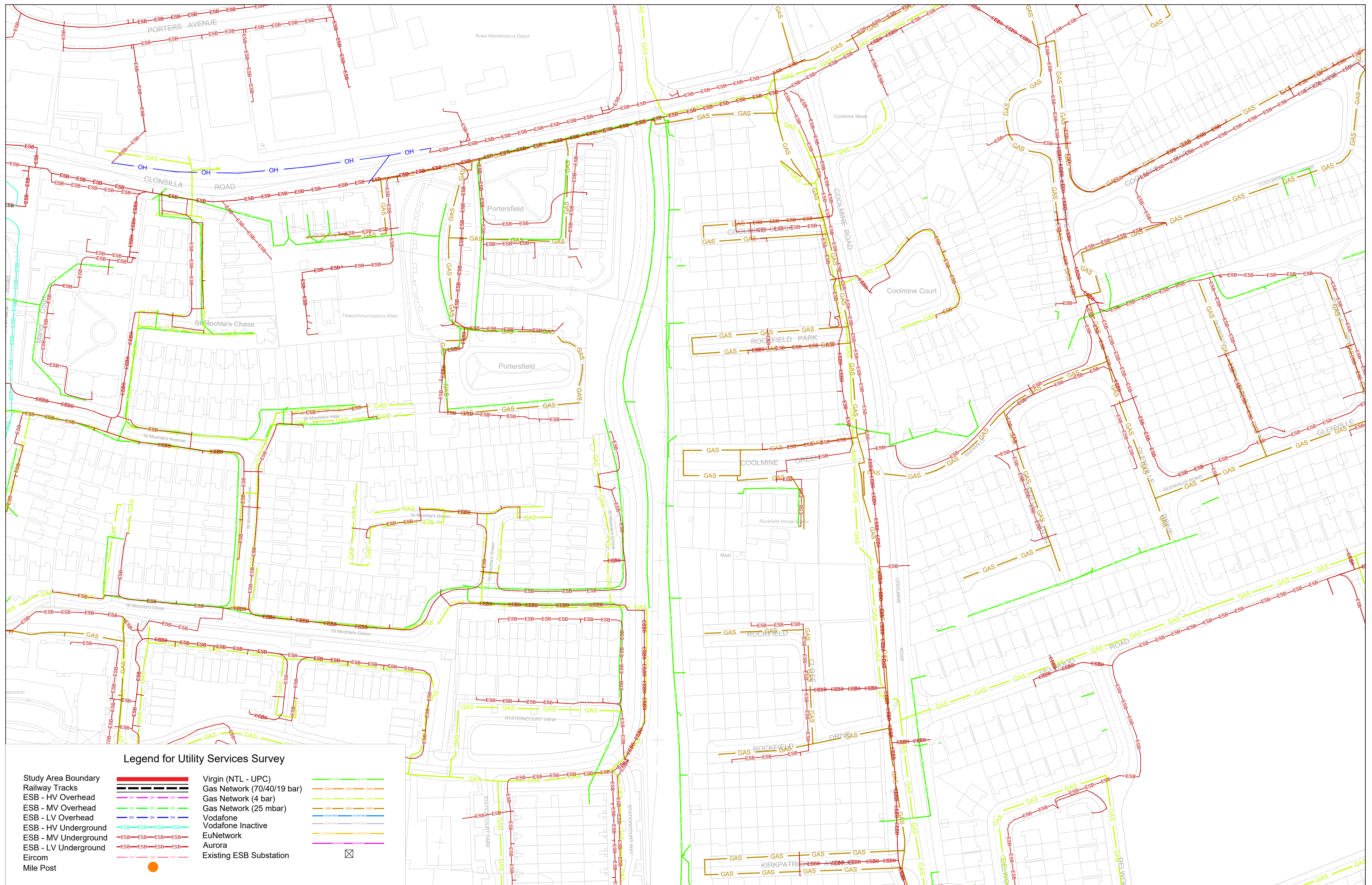
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EXISTING UTILITIES LAYOUT

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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 23 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

Consultant

Project

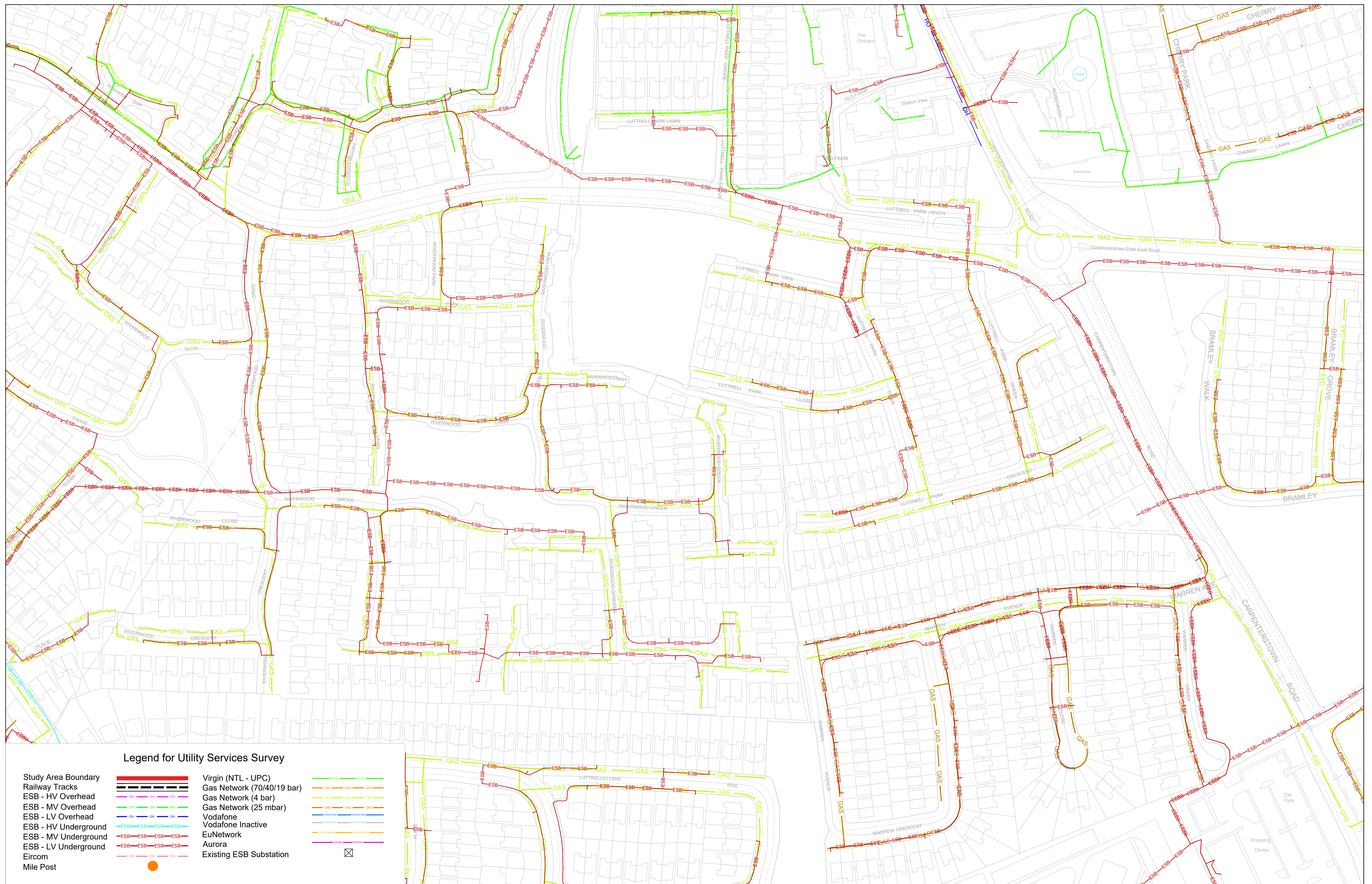
Tionscaldal Éireann
Project Ireland
2040

Drawing Title

EXISTING UTILITIES LAYOUT

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	MAY	MDC	UTL	ROUT	DR	C	0124	EP	MH	CCS	CCS

Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 24 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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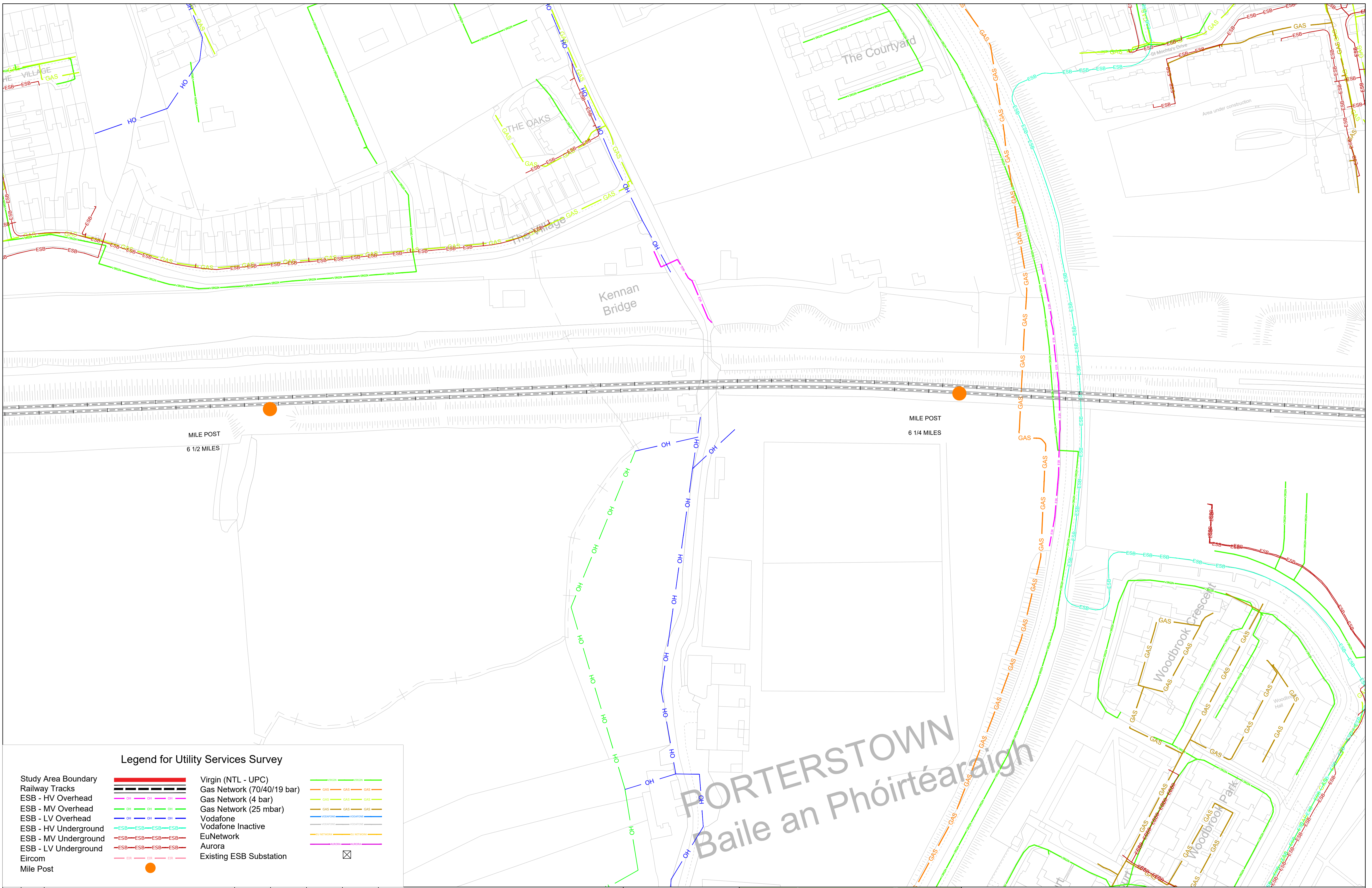
Client

Consultant

Project

Project

Drawing Title													
EXISTING UTILITIES LAYOUT													
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 25 of 67								



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

PORTERSTOWN
Baile an Phóirtéaraigh

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

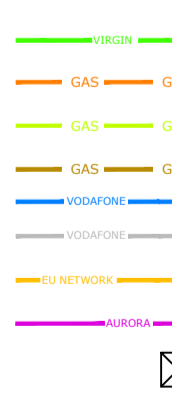
Client		Project	<p>MAYNOOTH LINE</p>	Drawing Title	EXISTING UTILITIES LAYOUT											
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
					MAY	MDC	UTL	ROUT	DR	C	0126	EP	MH	CCS	CCS	
				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re:0	Sheet: 26 of 67							



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLO).

Client

Consultant

Tionscadal Éireann
Project Ireland
2040

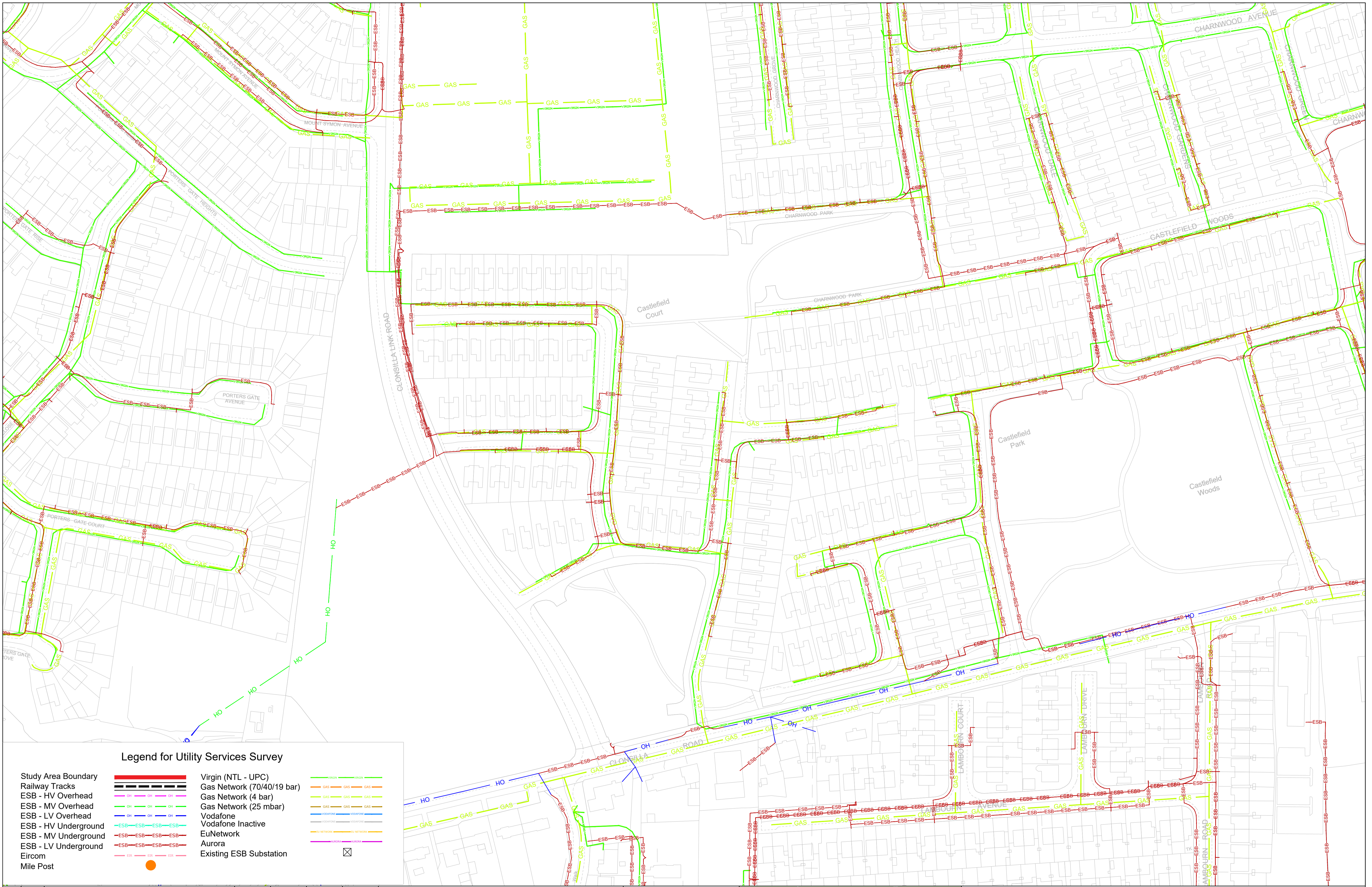
Project

Drawing Title

EXISTING UTILITIES LAYOUT

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 27 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Ircom
- Mile Post

	Virgin (NTL - UPC)		Vodafone
	Gas Network (70/40/19 bar)		Gas Network (25 mbar)
	Gas Network (4 bar)		Vodafone Inactive
	Gas Network (25 mbar)		Aurora
	Vodafone		EuNetwork
	Vodafone Inactive		Aurora
	EuNetwork		Existing ESB Substation
	Aurora		Existing ESB Substation

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Client

Consultant

Project

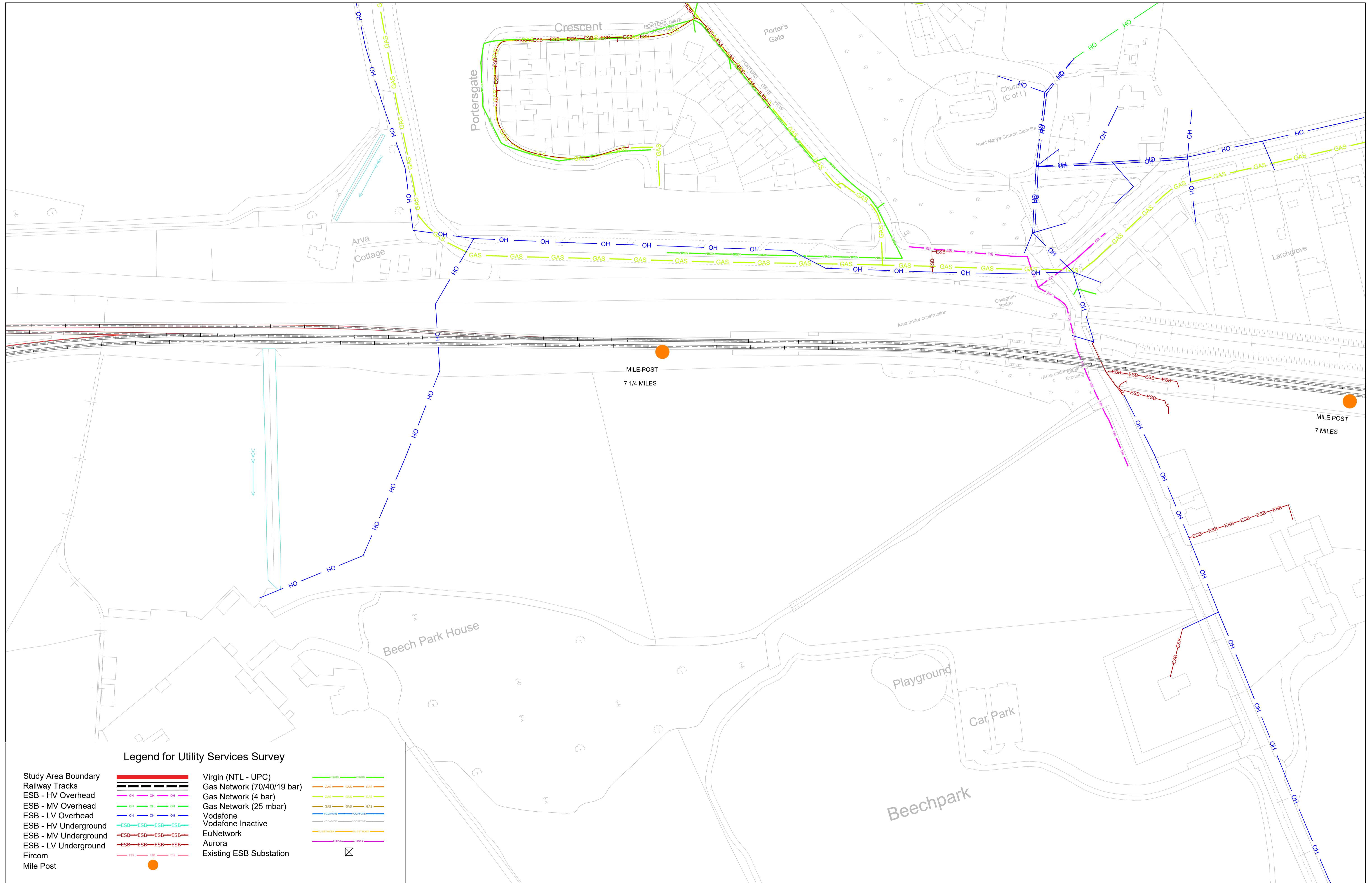
Project

Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 28 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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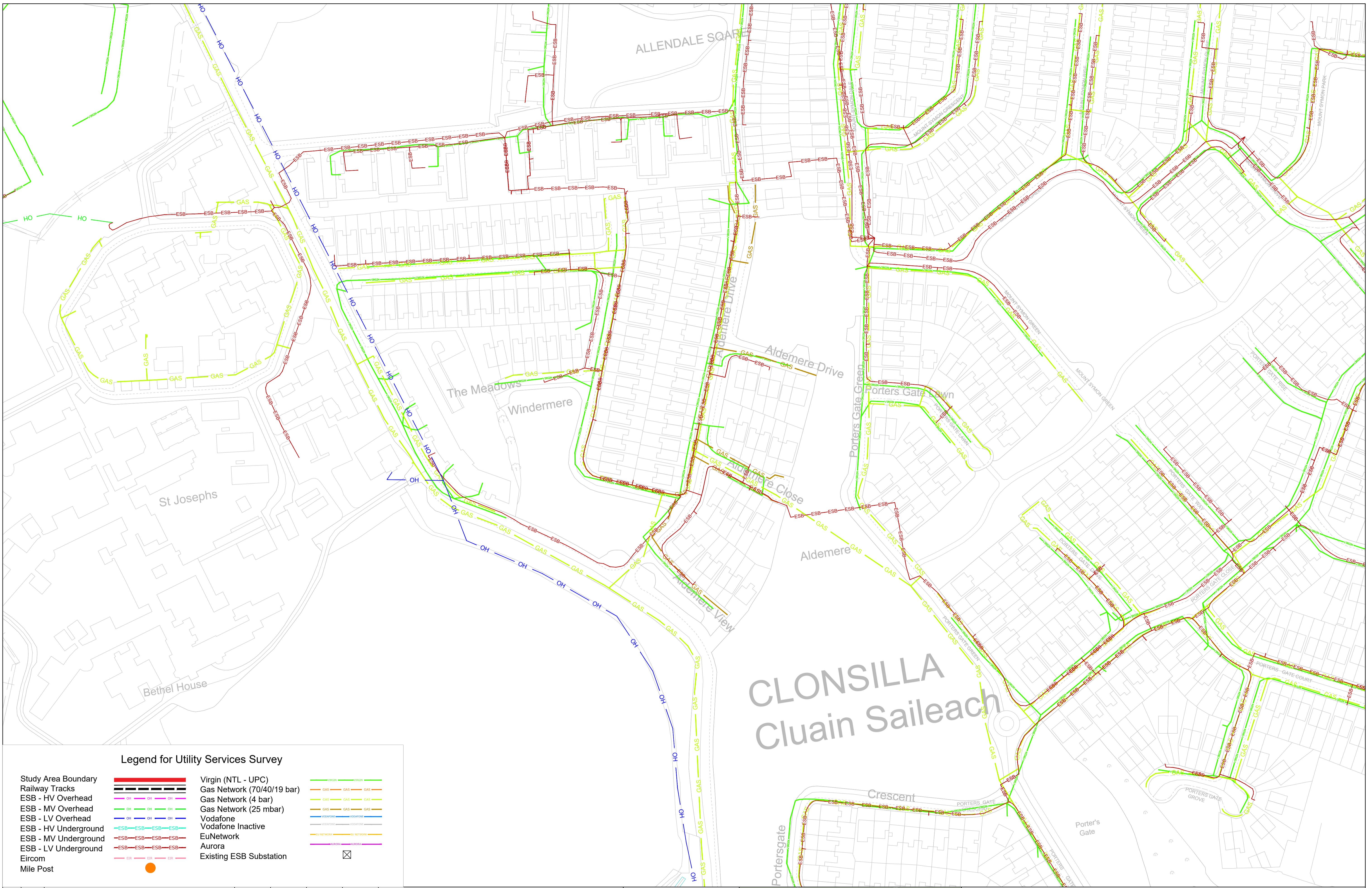
Client

Consultant

Project

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 29 of 67		



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client

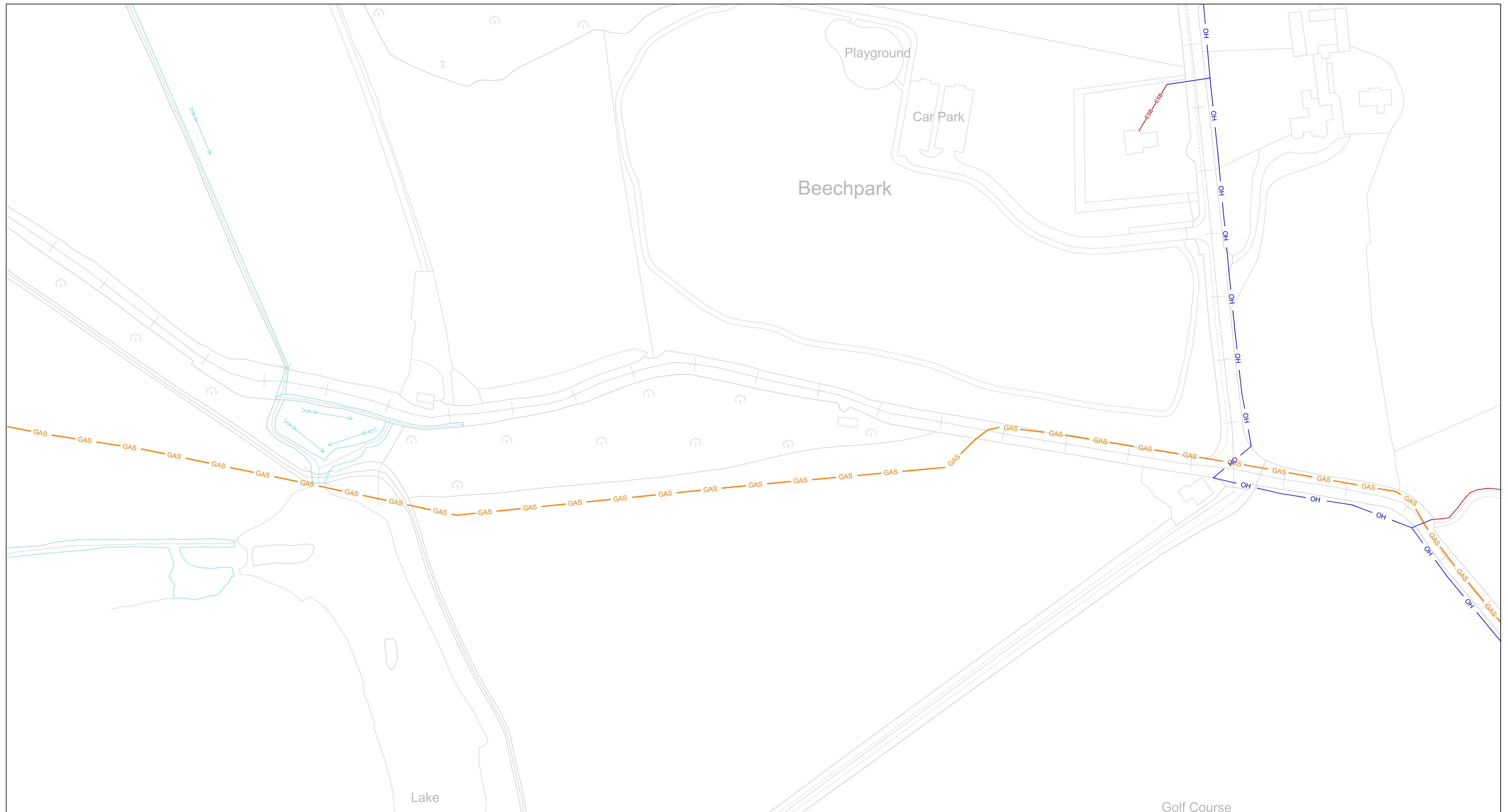
Consultant

Tionscadal Éireann
Project Ireland
2040

Project

DART+
MAYNOOTH LINE

Drawing Title											
EXISTING UTILITIES LAYOUT											
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	MAY	MDC	UTL	ROUT	DR	C	0130	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 30 of 67						



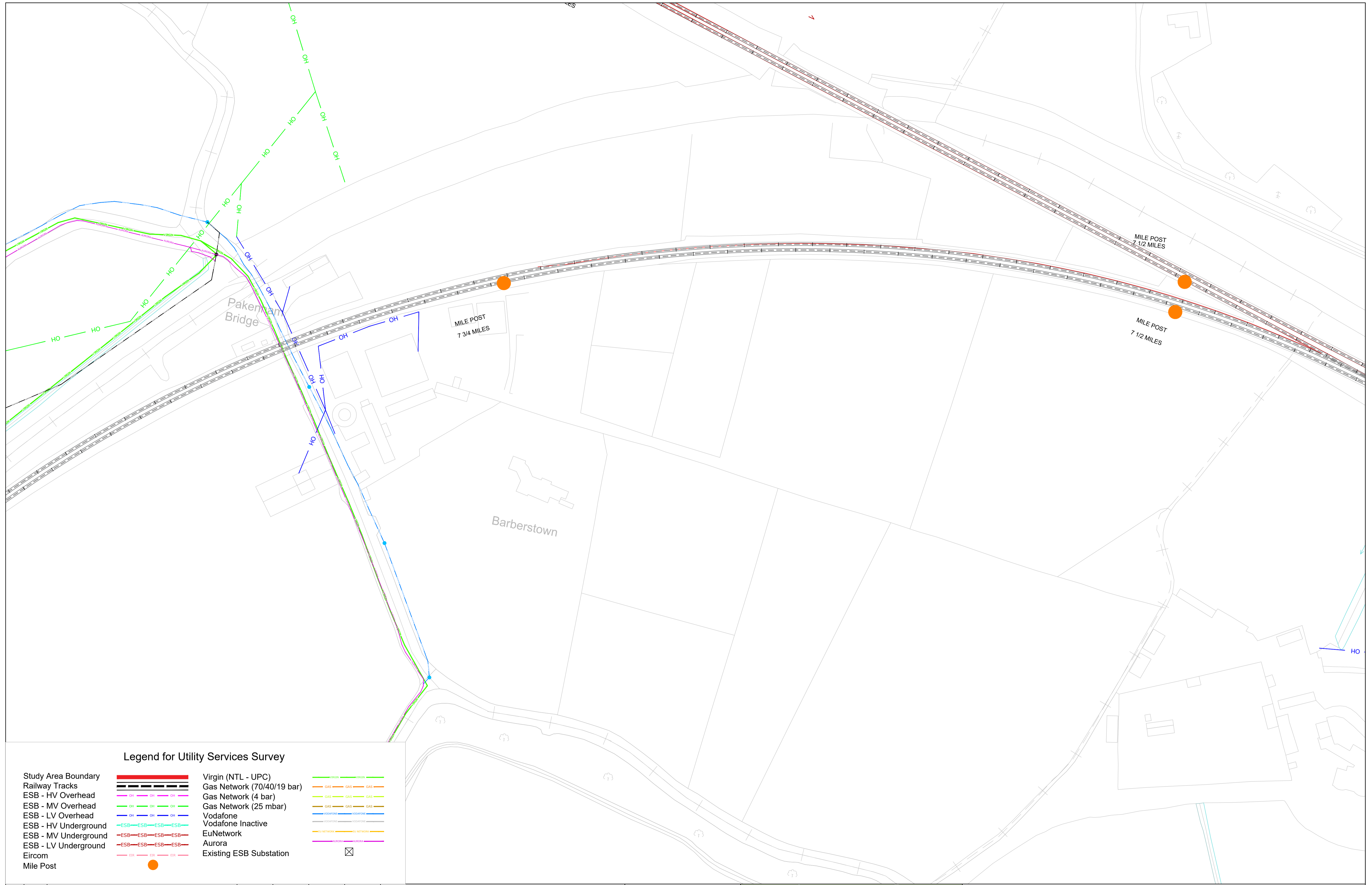
Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client		Project		Drawing Title	EXISTING UTILITIES LAYOUT											
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
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				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re: 00	Sheet: 31 of 67							



Legend for Utility Services Survey

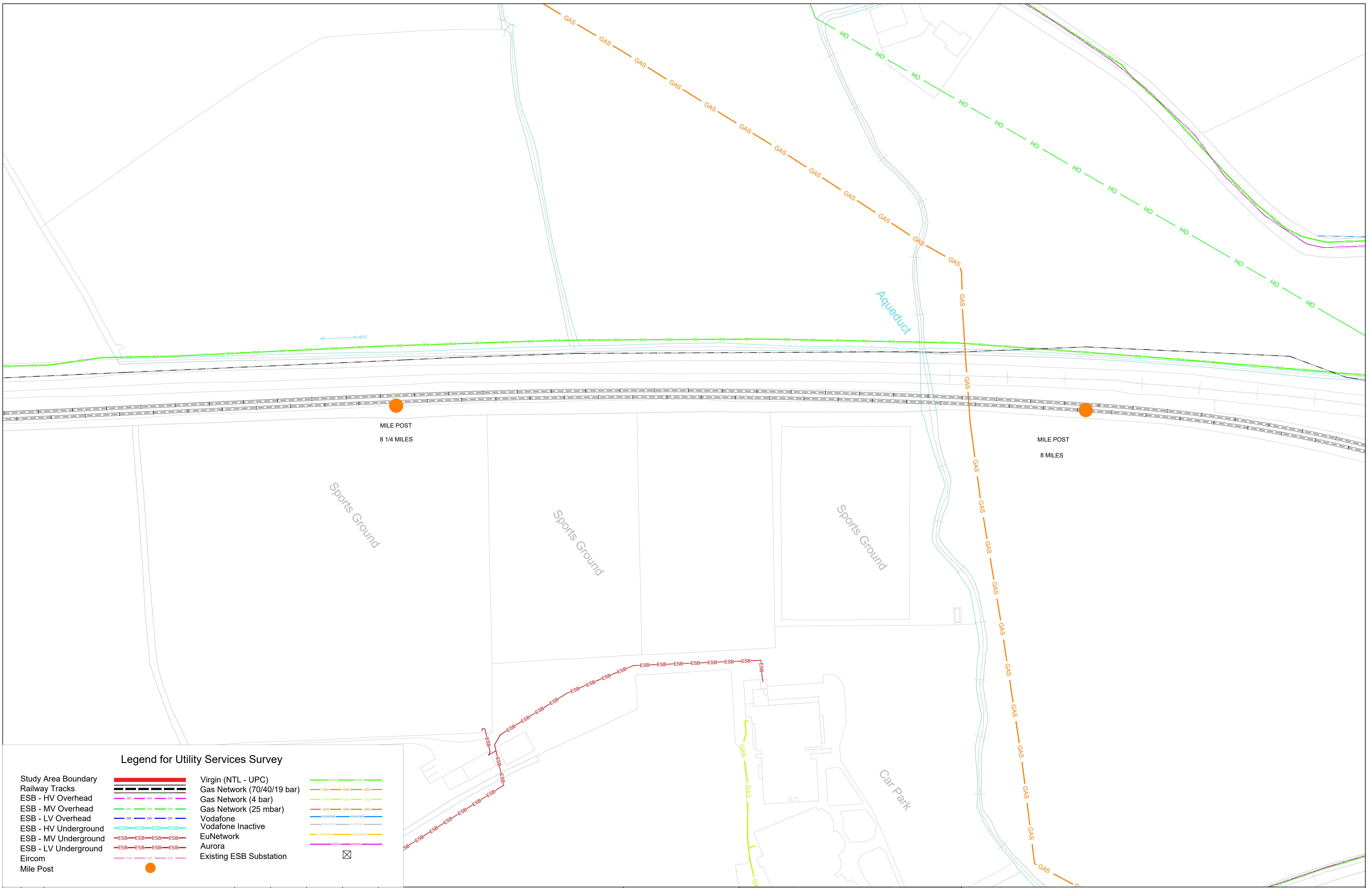
- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client	
Consultant	
Project	

Drawing Title											
EXISTING UTILITIES LAYOUT											
Drawing Number											
Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
MAY	MDC	UTL	ROUT	DR	C	0132	EP	MH	CCS	CCS	
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re: P0		Sheet: 32 of 67	



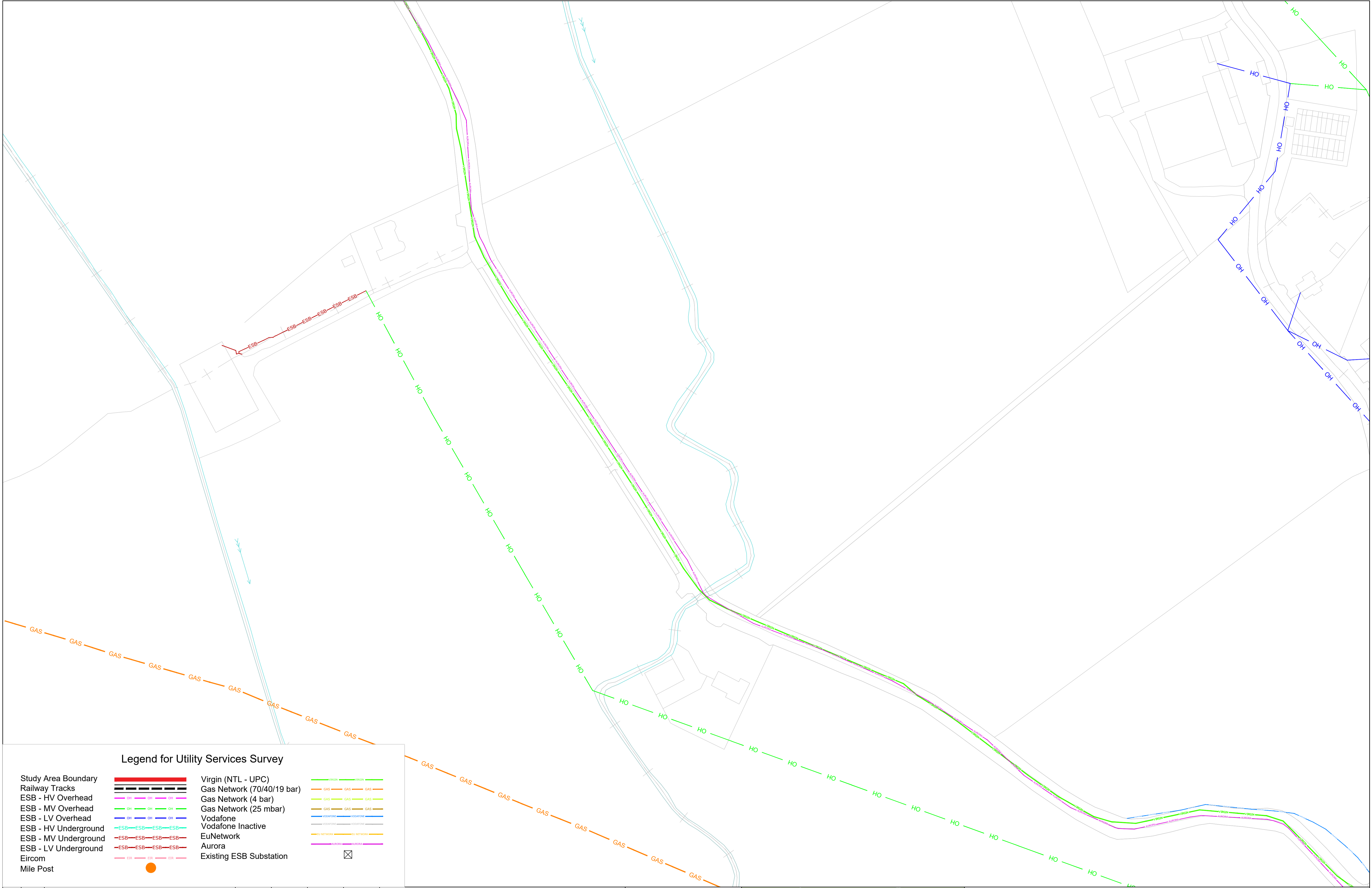
Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client		Project	 MAYNOOTH LINE	Drawing Title	EXISTING UTILITIES LAYOUT										
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 33 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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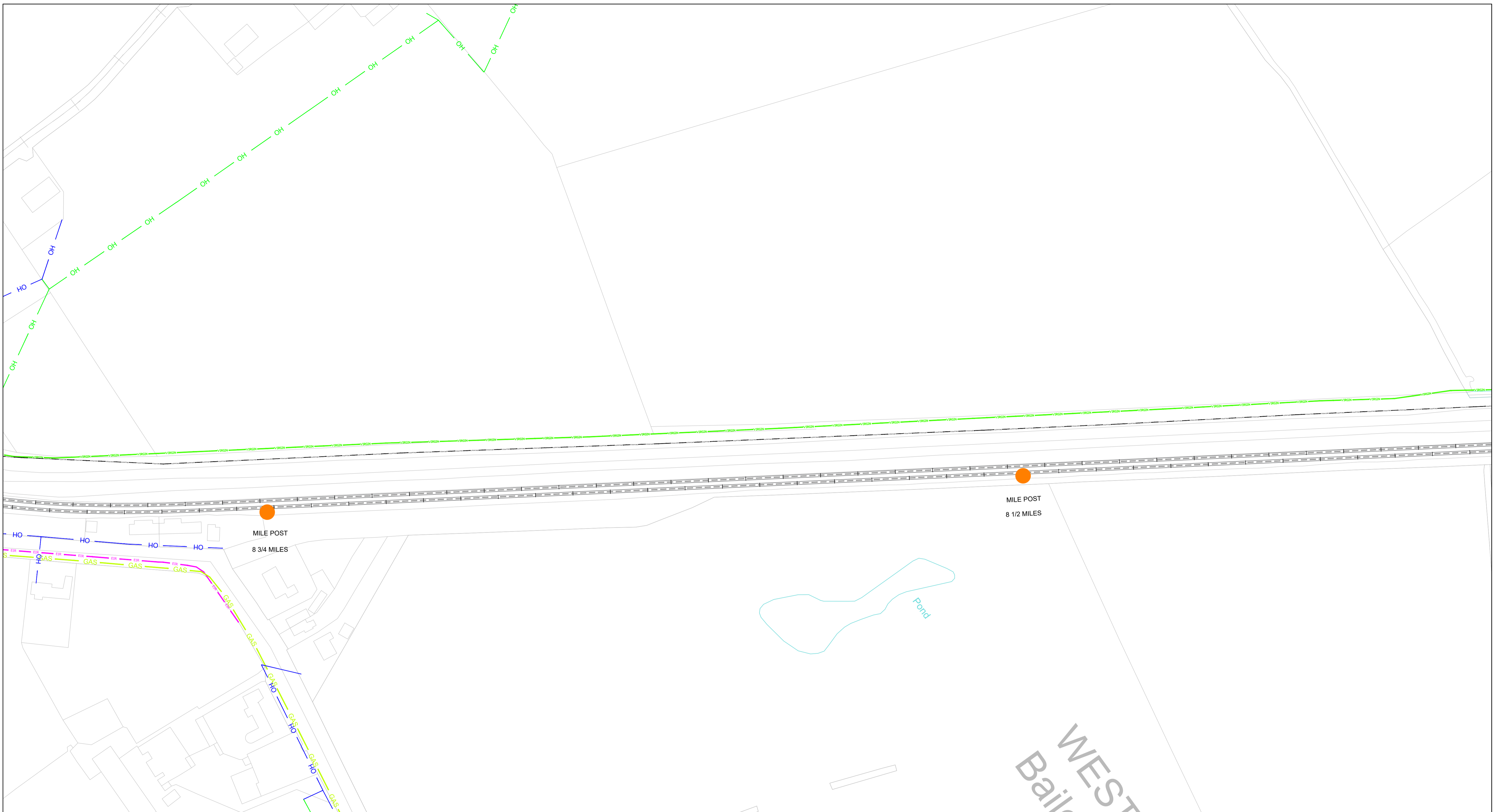
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
Drawing Number		Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
		MAY	MDC	UTL	ROUT	DR	C	0134	EP	MH	CCS	CCS
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re: 00		Sheet: 34 of 67		



WESTMANSTON
Baile an Bhasp

Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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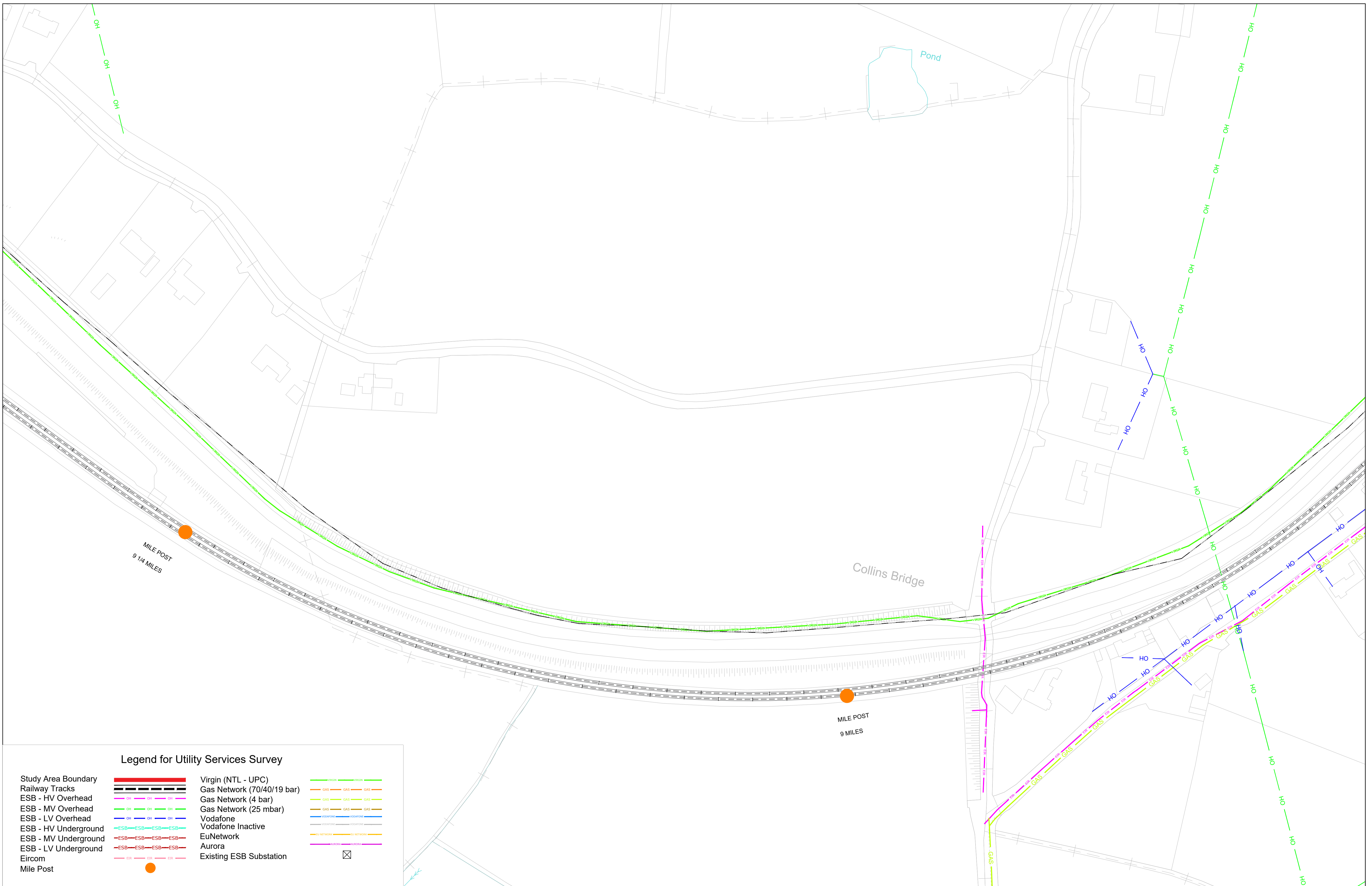
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		RePO		Sheet: 35 of 67					



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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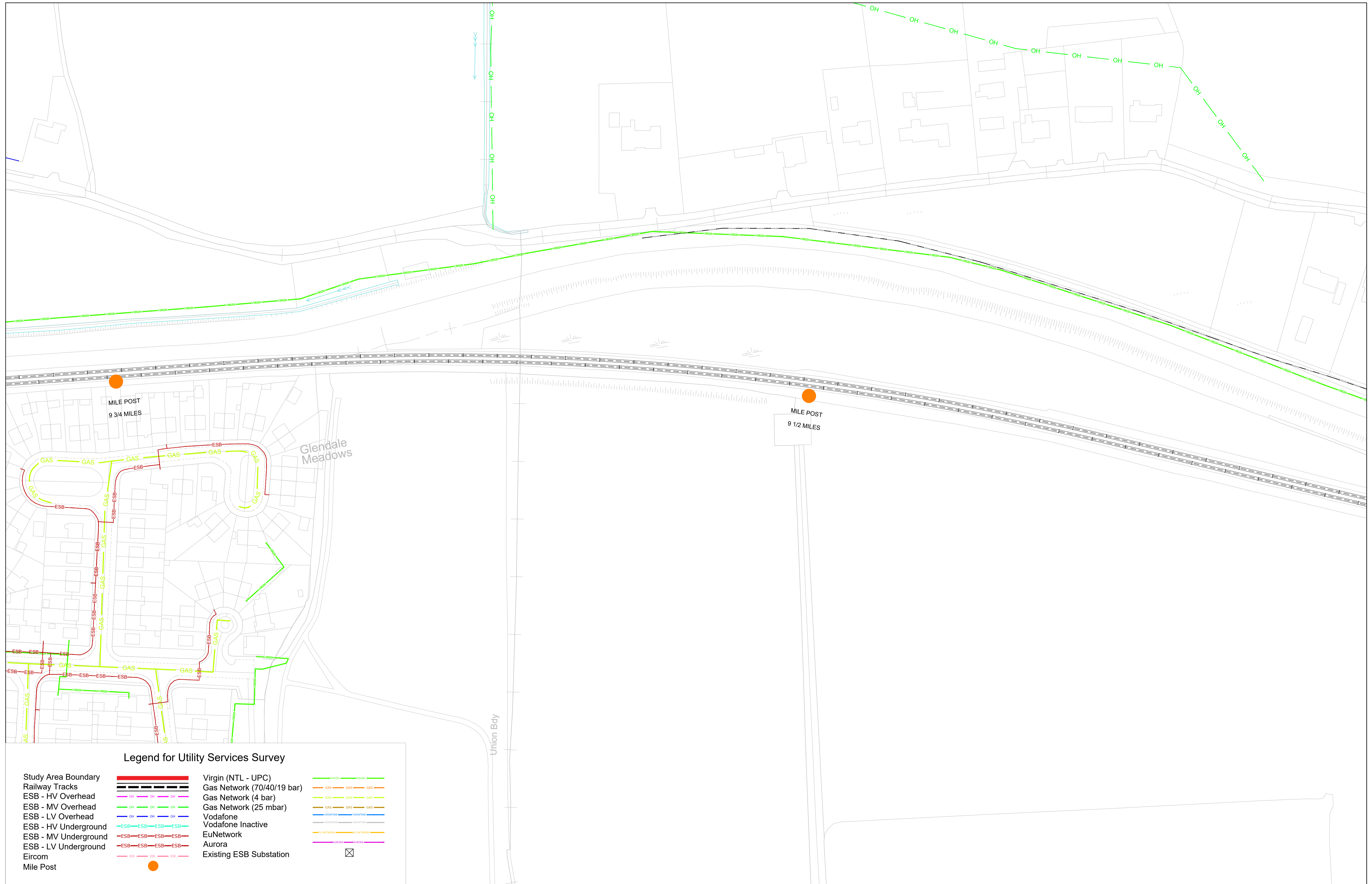
Client

Consultant

Project

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re: P0	Sheet: 36 of 67						



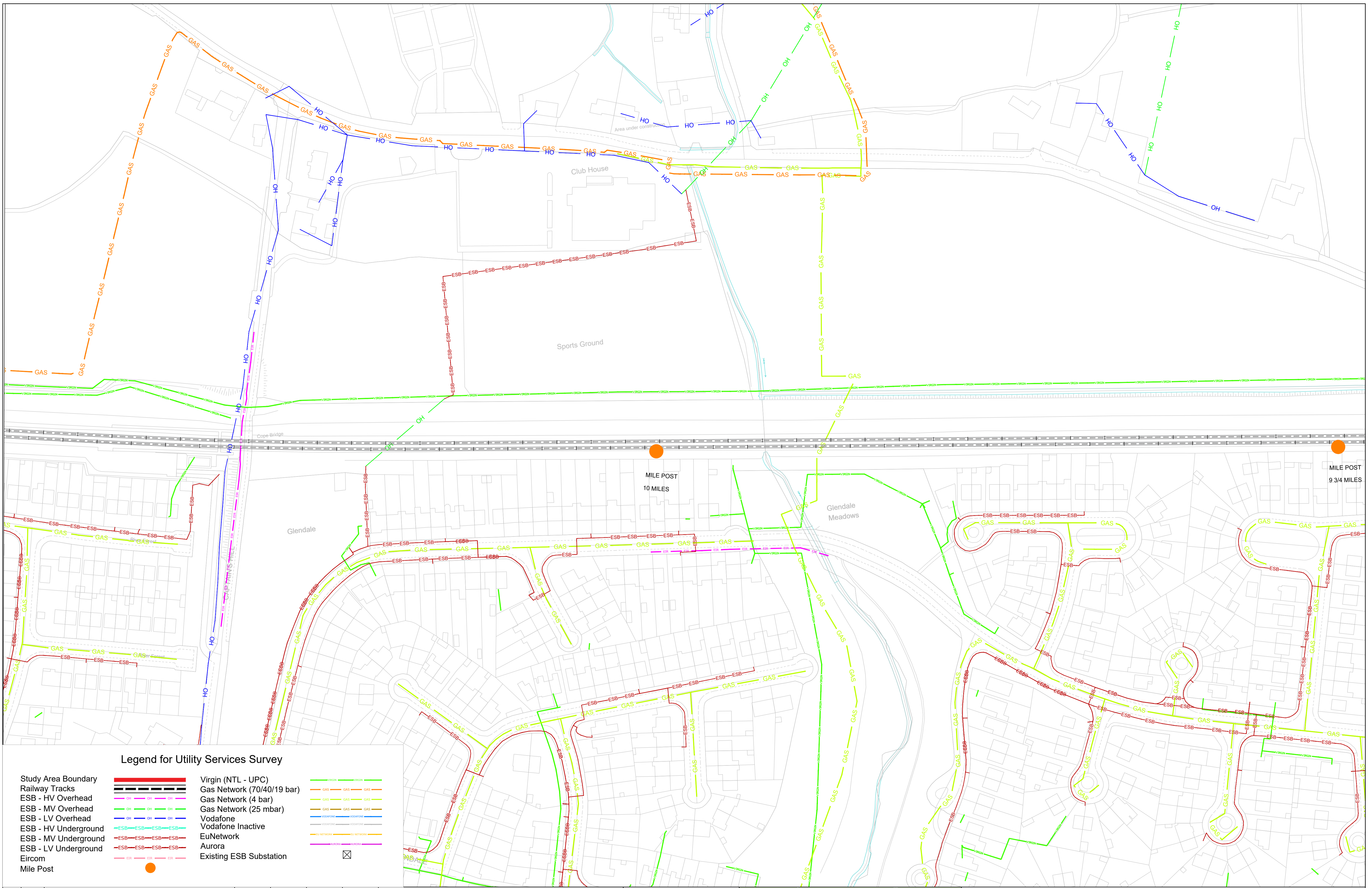
Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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Client			Project		Drawing Title	EXISTING UTILITIES LAYOUT										
Consultant					Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
						MAY	MDC	UTL	ROUT	DR	C	0137	EP	MH	CCS	CCS
					Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 37 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

- Water
- Gas
- Gas
- Gas
- Vodafone
- Vodafone
- EuNetwork
- Aurora

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Client

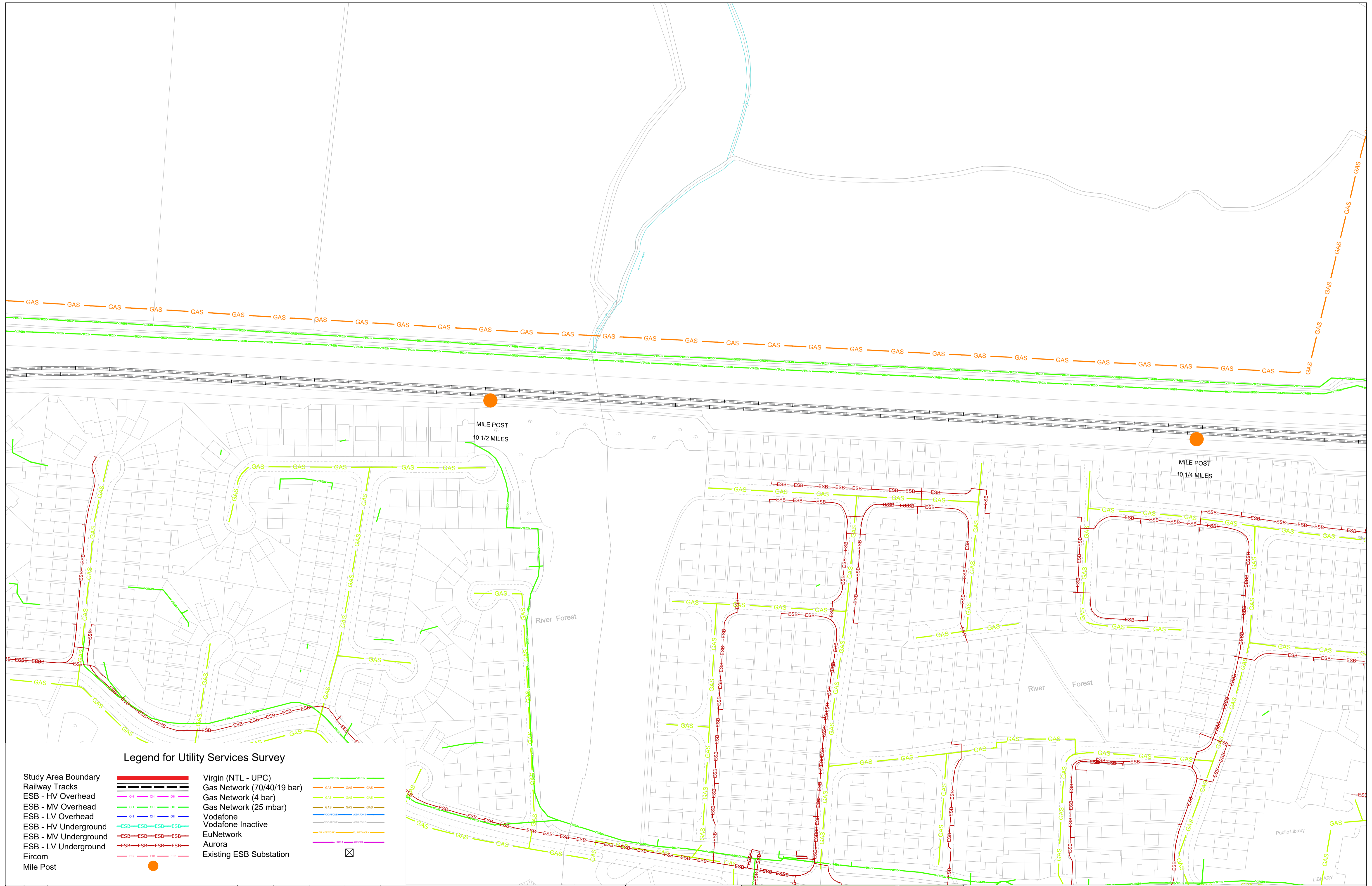
Consultant

Project

Drawing Title

EXISTING UTILITIES LAYOUT

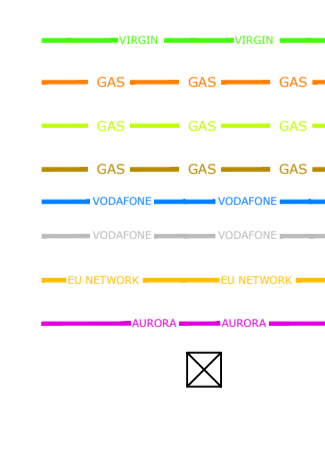
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Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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Client

Consultant

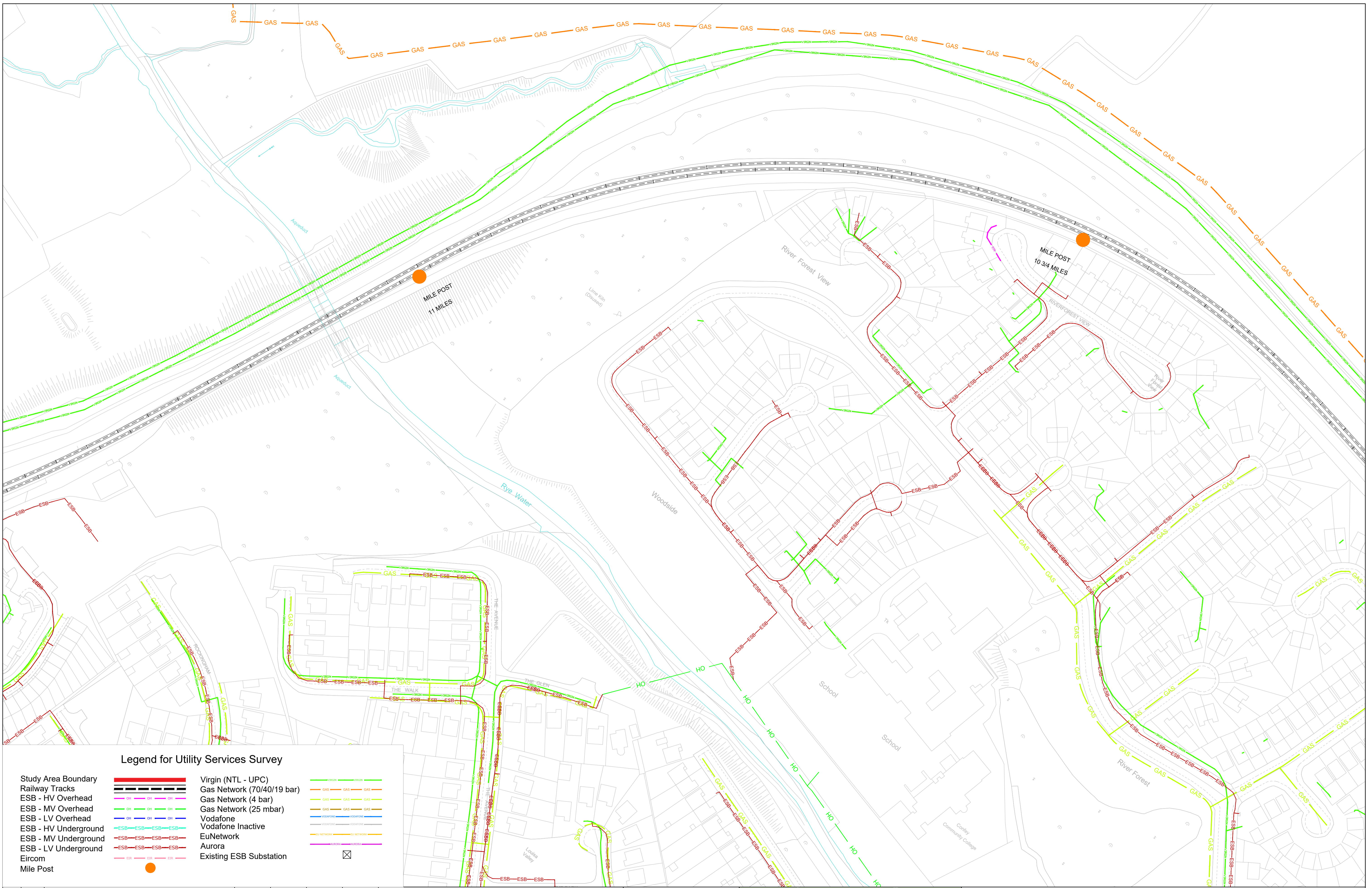
Project

Drawing Title

EXISTING UTILITIES LAYOUT

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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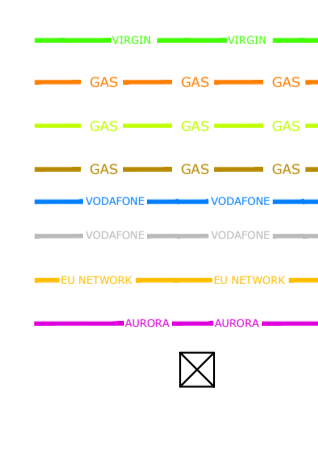
Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment RePO Sheet: 39 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation



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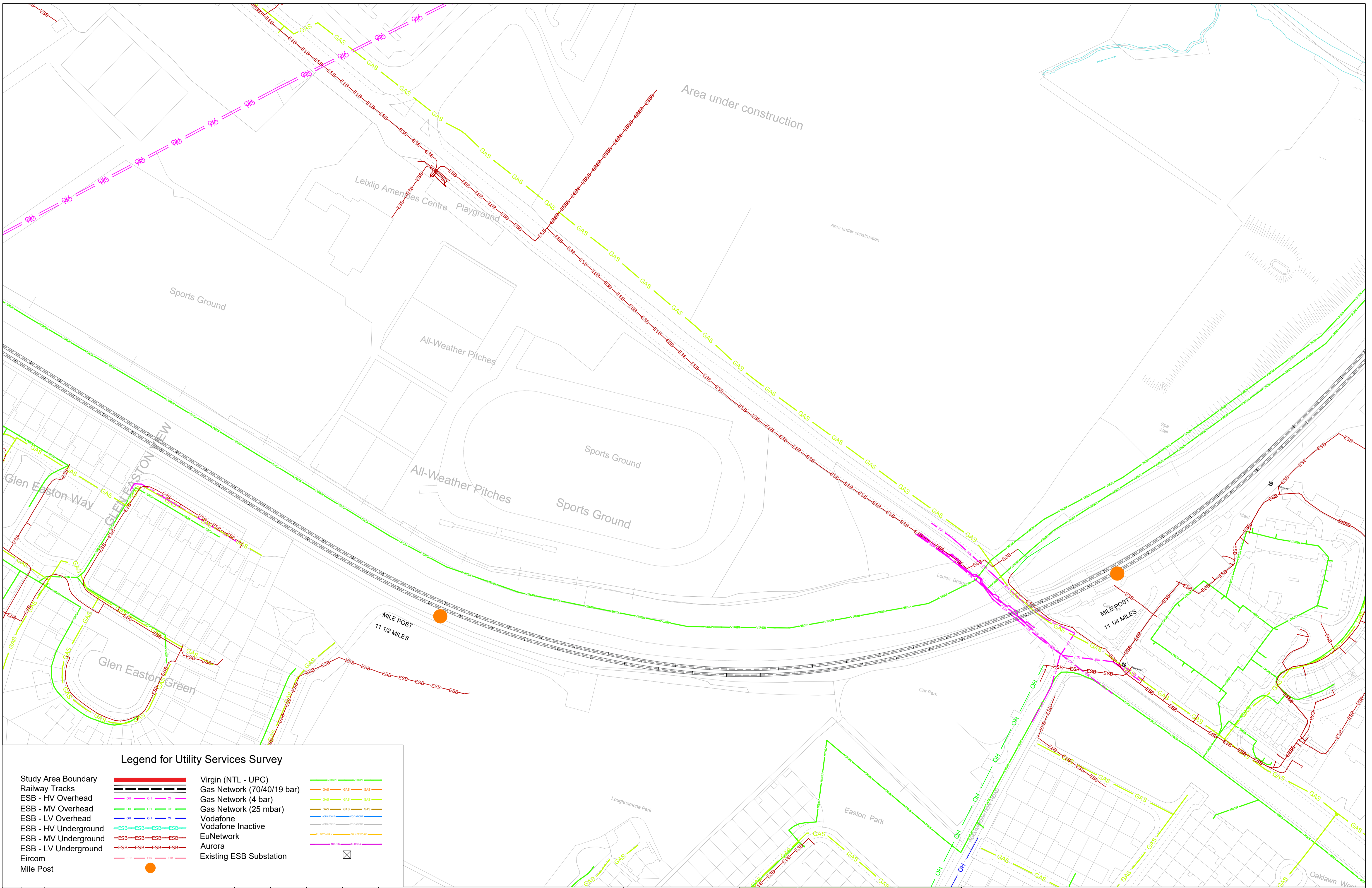
Client

Consultant

Project

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
	MAY	MDC	UTL	ROUT	DR	C	0140	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re: P0	Sheet: 40 of 67						



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

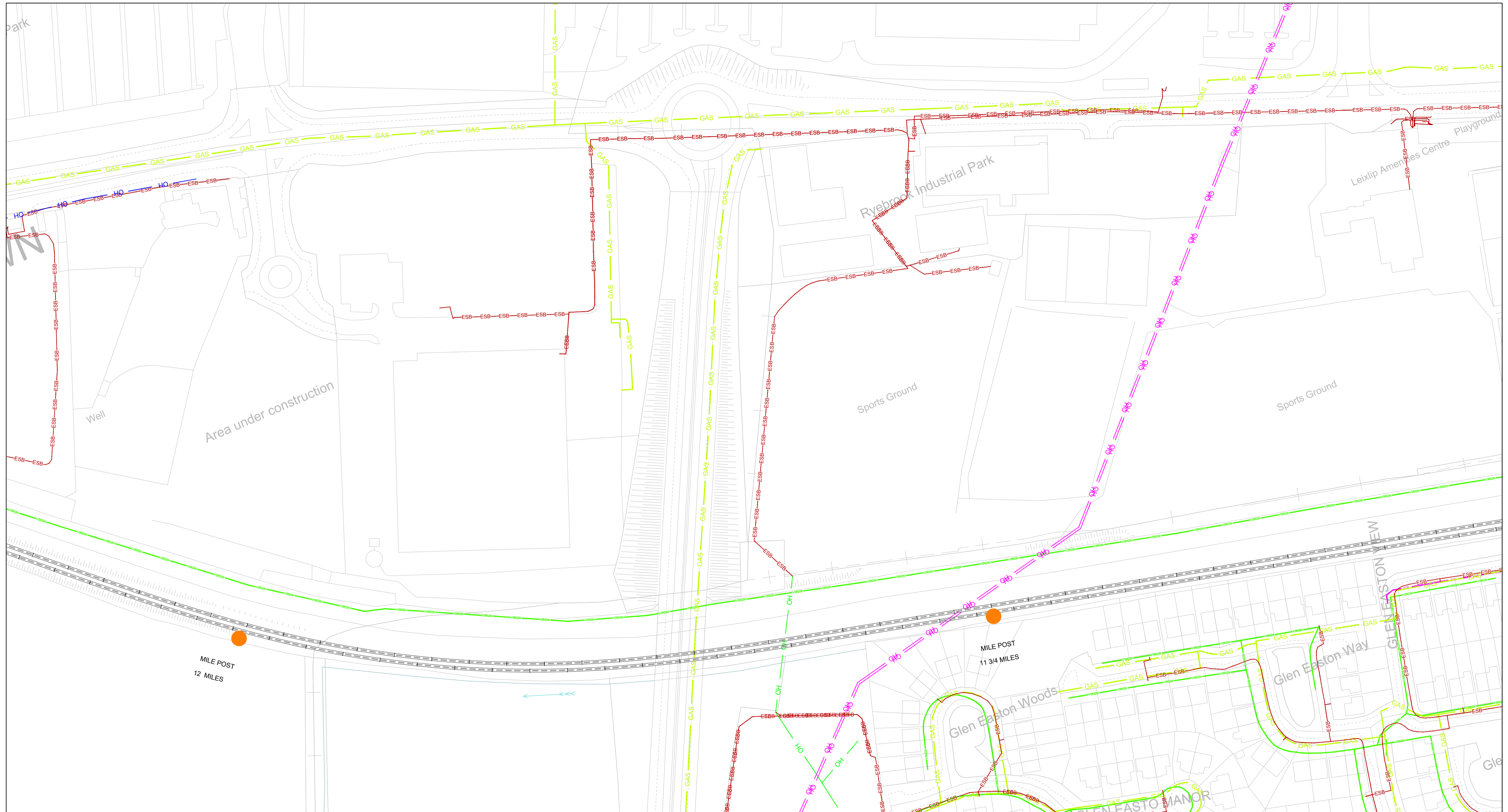
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT										
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Scale: 1:1000			Date: JUNE 2020			Job No: 19.157			Status: S3-Review & Comment			Re: P0			Sheet: 41 of 67							



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

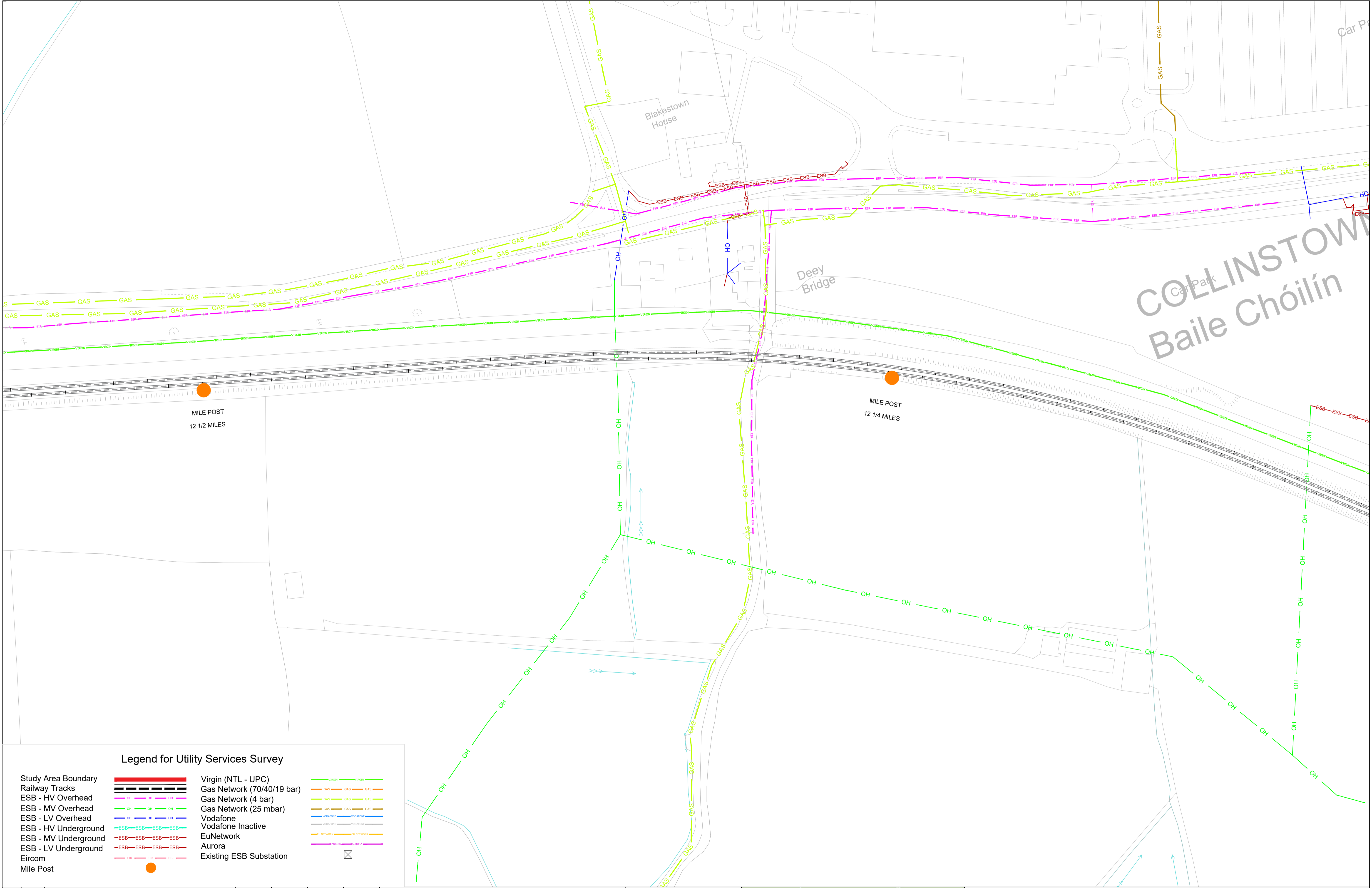
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Client

Consultant

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 42 of 67										



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

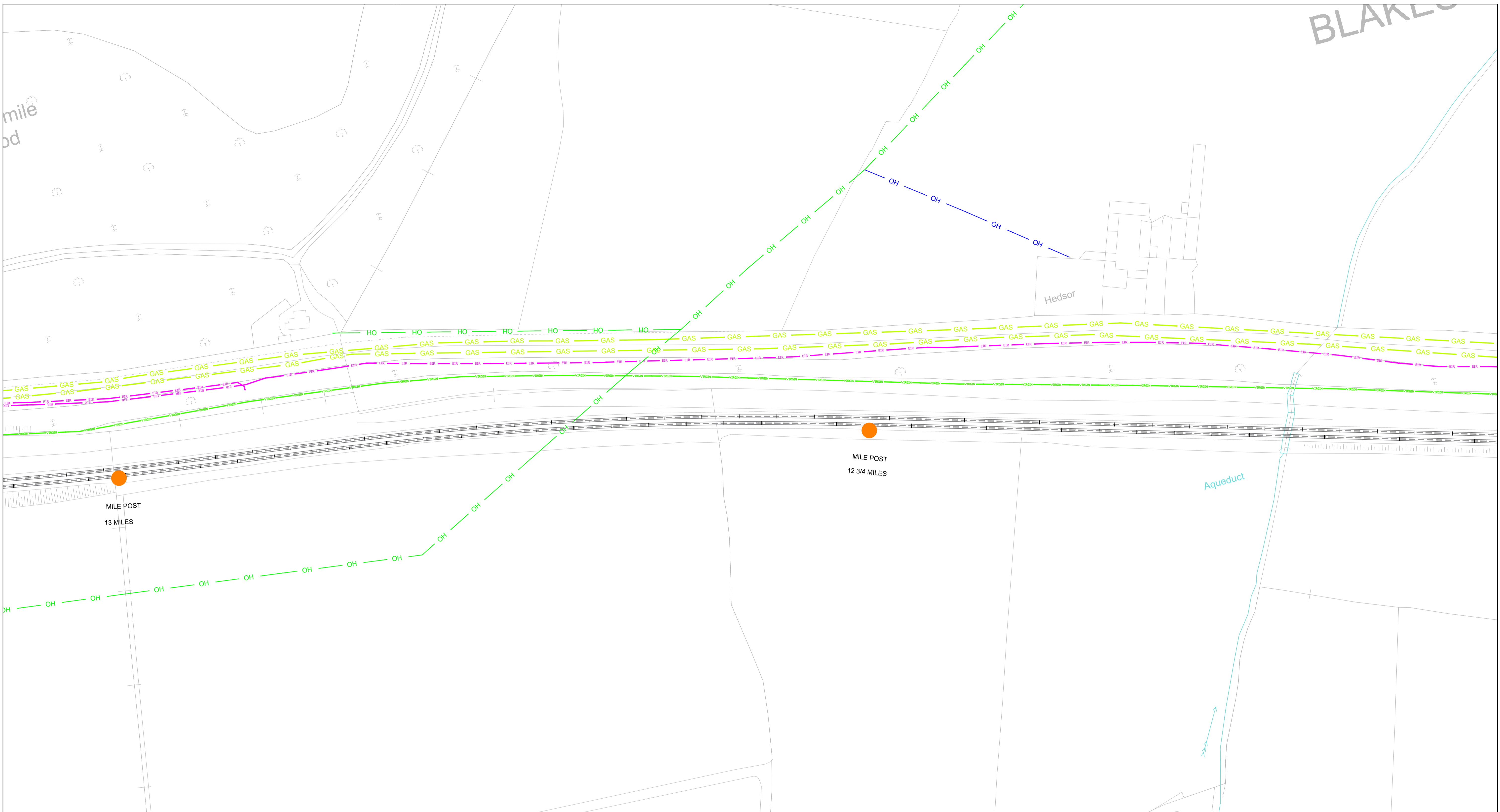
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Consultant

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re: P0		Sheet: 43 of 67					



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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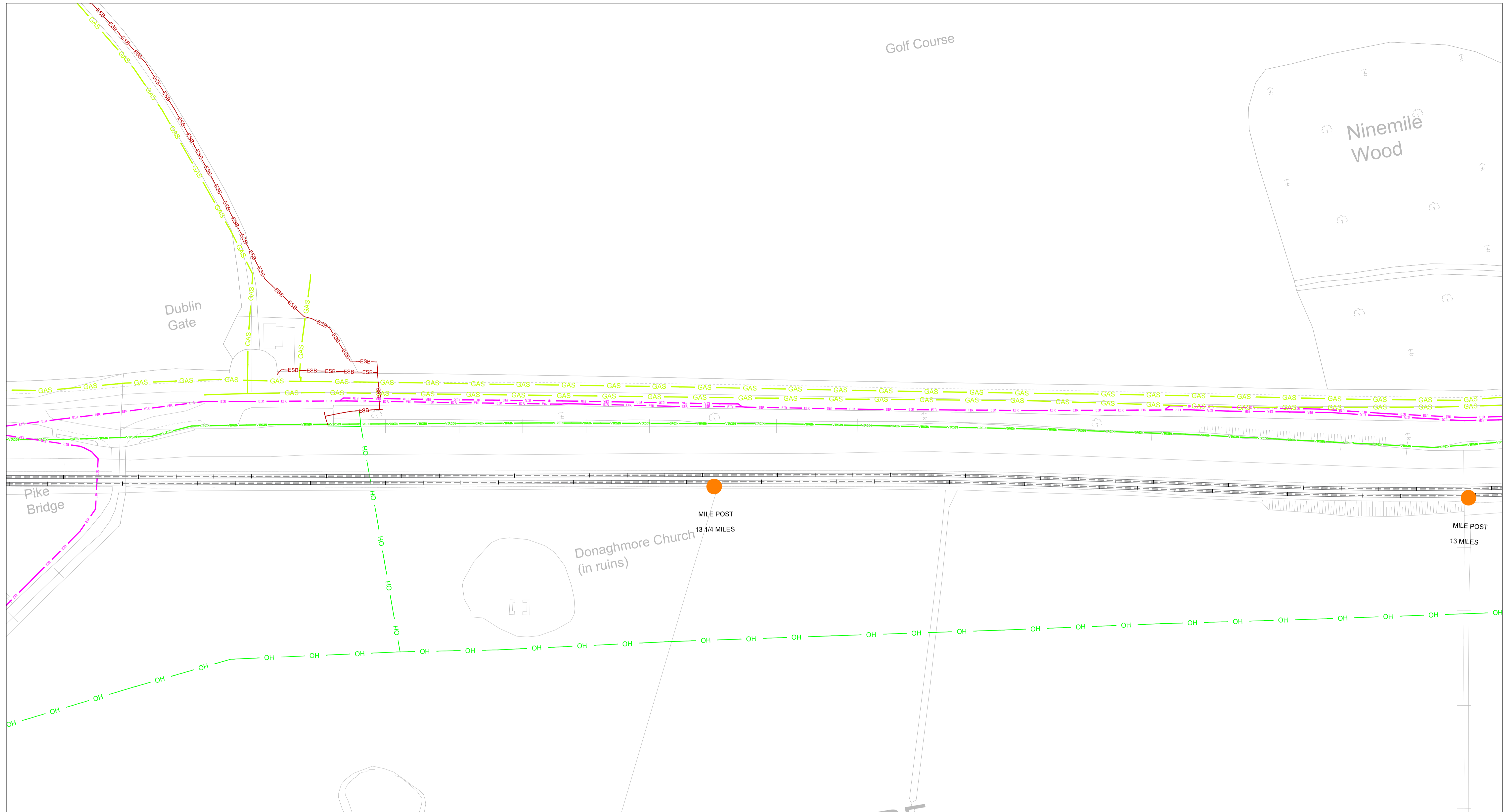
Client

Consultant

Tionscaldal Éireann Project Ireland 2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 44 of 67					



Legend for Utility Services Survey

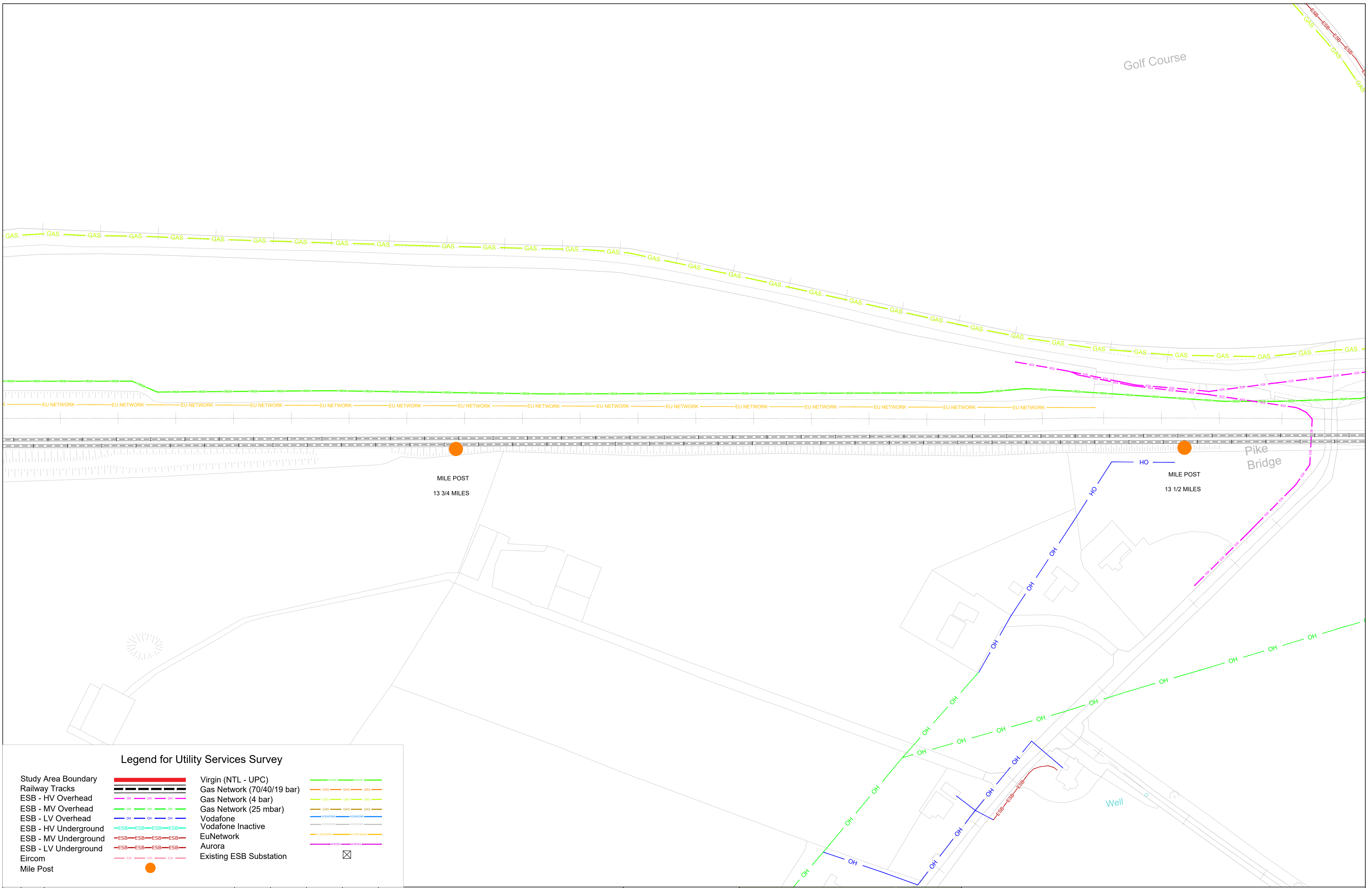
- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client   	Consultant   	Project  	Drawing Title <h2 style="margin: 0;">EXISTING UTILITIES LAYOUT</h2>																								
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Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By																
0145	MAY	MDC	UTL	ROUT	DR	C	0145	EP	MH	CCS	CCS																
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 45 of 67																	

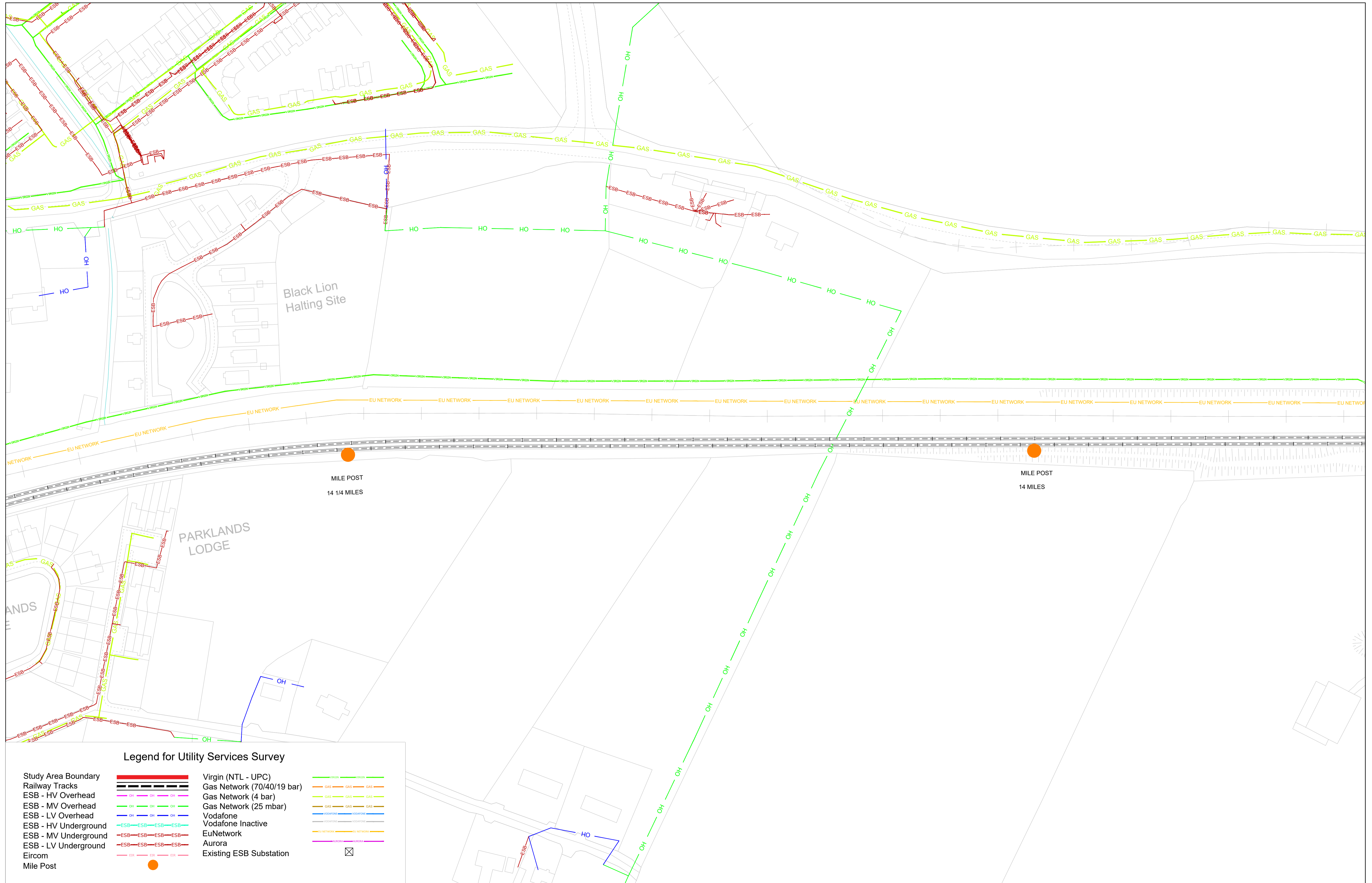


Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

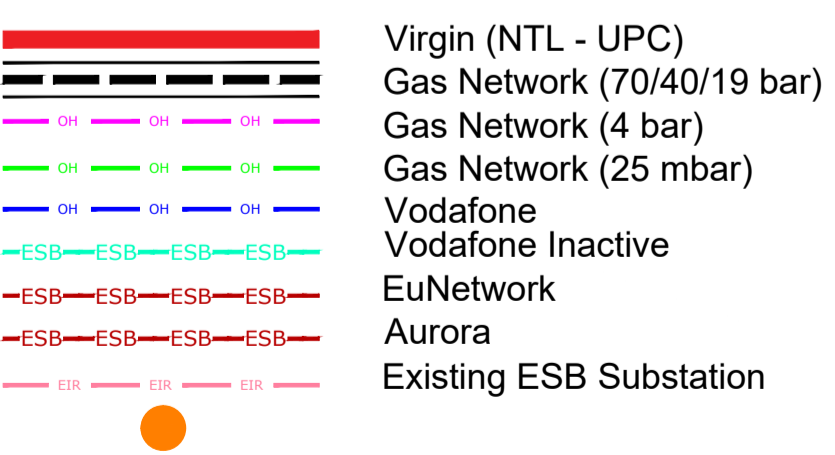
REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client		Project	 MAYNOOTH LINE	Drawing Title	EXISTING UTILITIES LAYOUT										
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post



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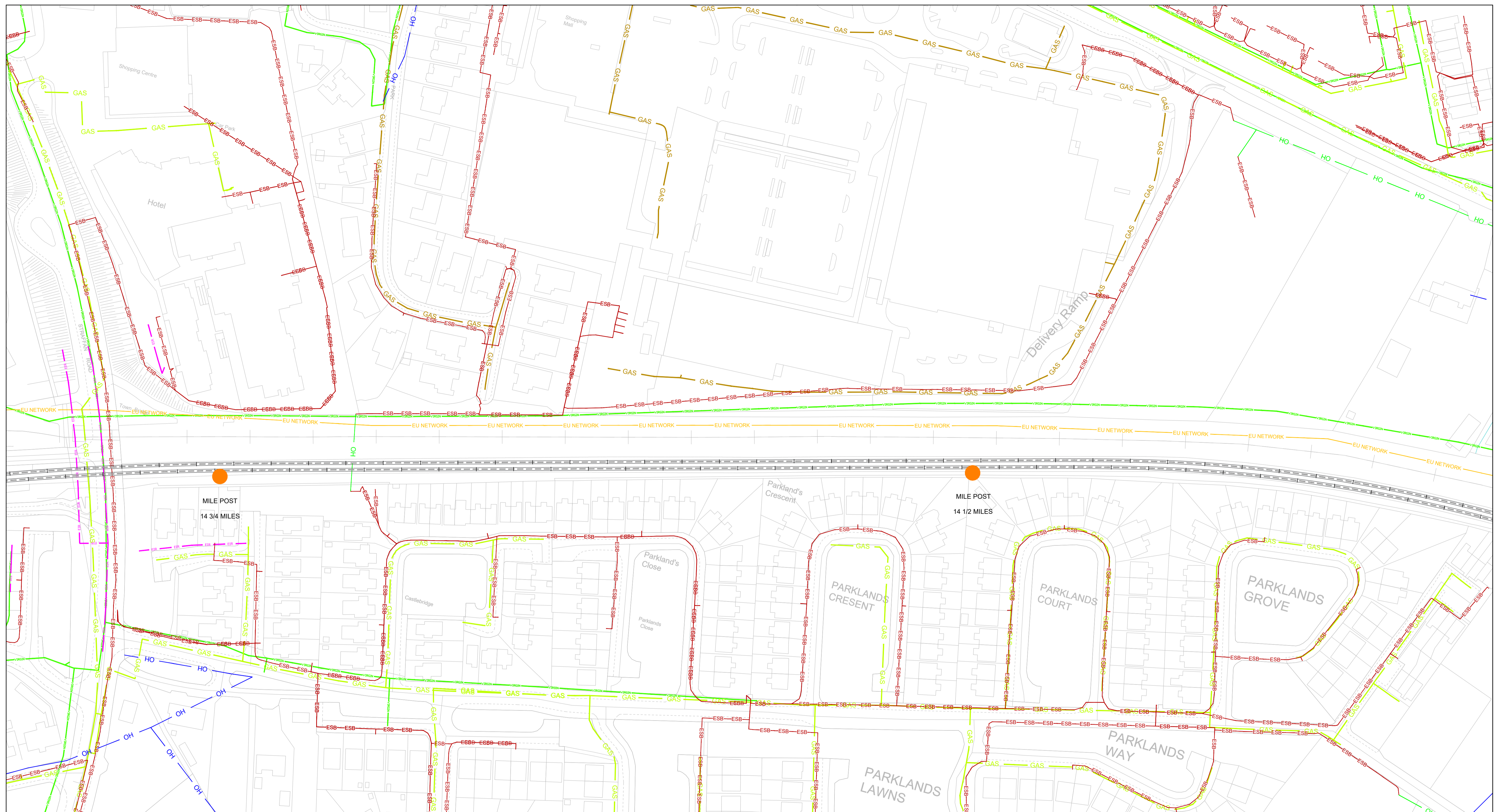
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
Drawing Number		Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		RePO		Sheet: 47 of 67		



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

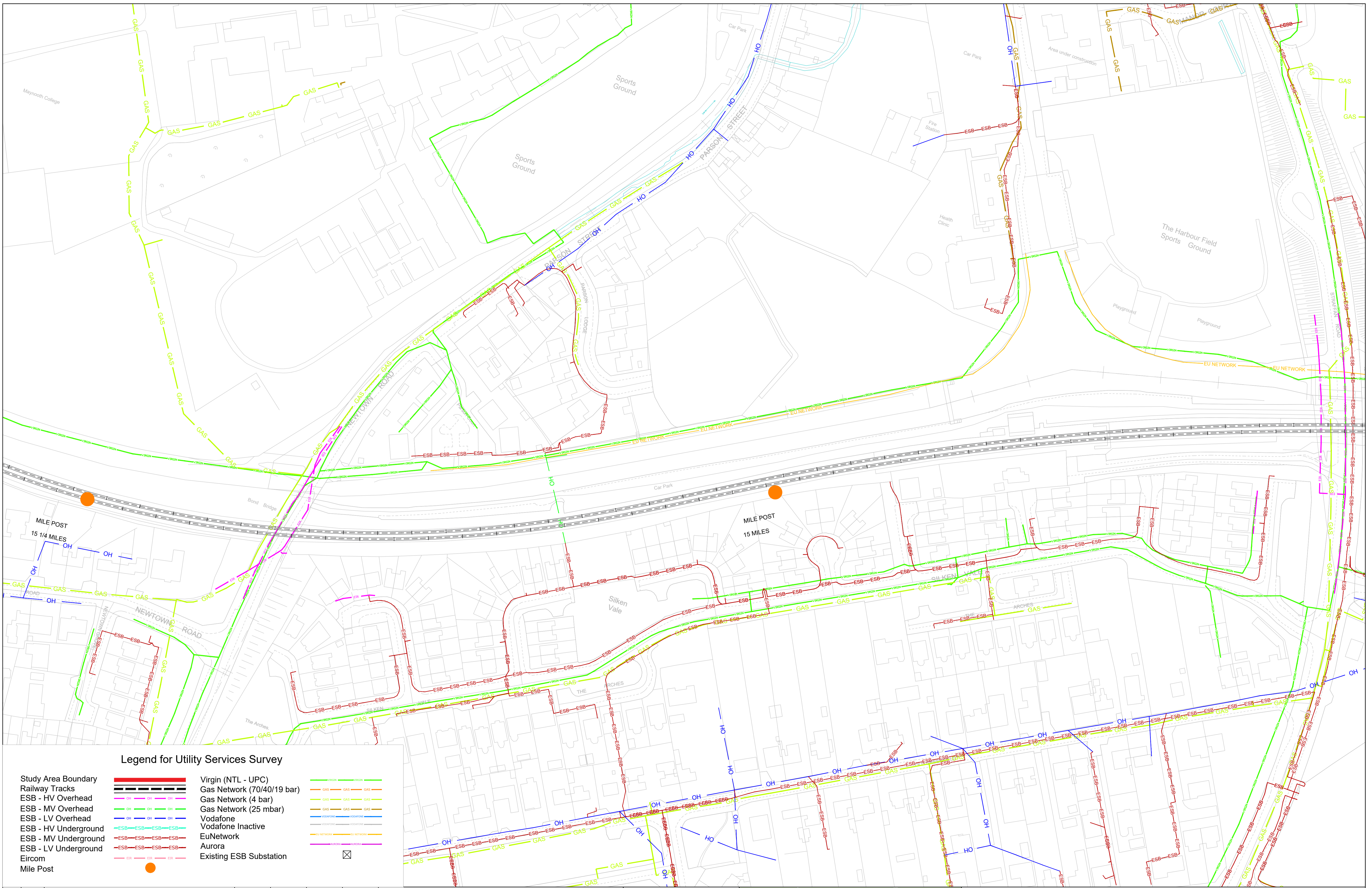
Consultant

Project

Drawing Title

EXISTING UTILITIES LAYOUT

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	MAY	MDC	UTL	ROUT	DR	C	0148	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 48 of 67						



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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Client

Consultant

Tionscaldal Éireann
Project Ireland
2040

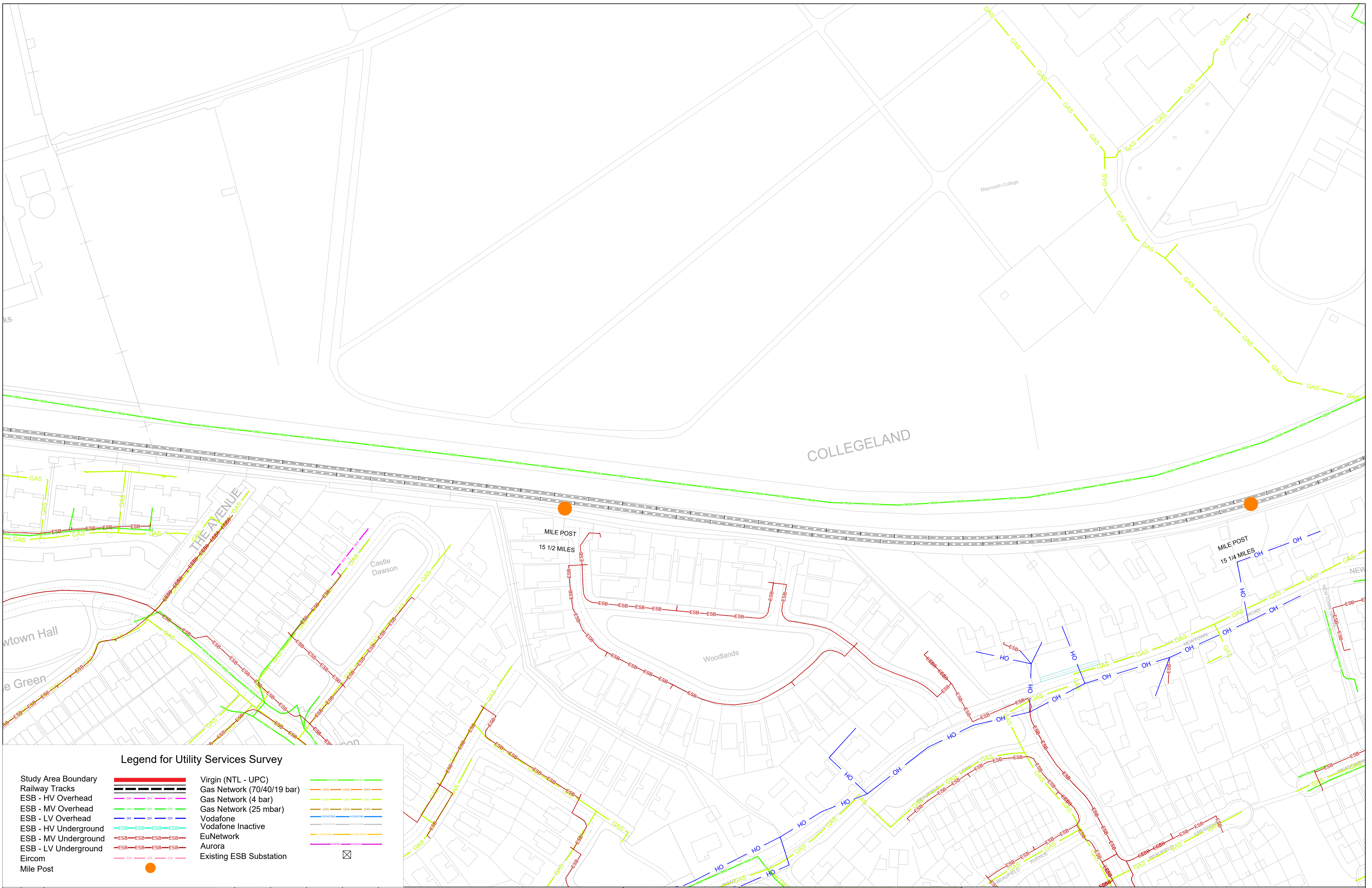
Project

Drawing Title

EXISTING UTILITIES LAYOUT

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Scale: 1:1000 Date: JUNE 2020 Job No: 19.157 Status: S3-Review & Comment Re:00 Sheet: 49 of 67



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
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- Vodafone Inactive
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- Existing ESB Substation

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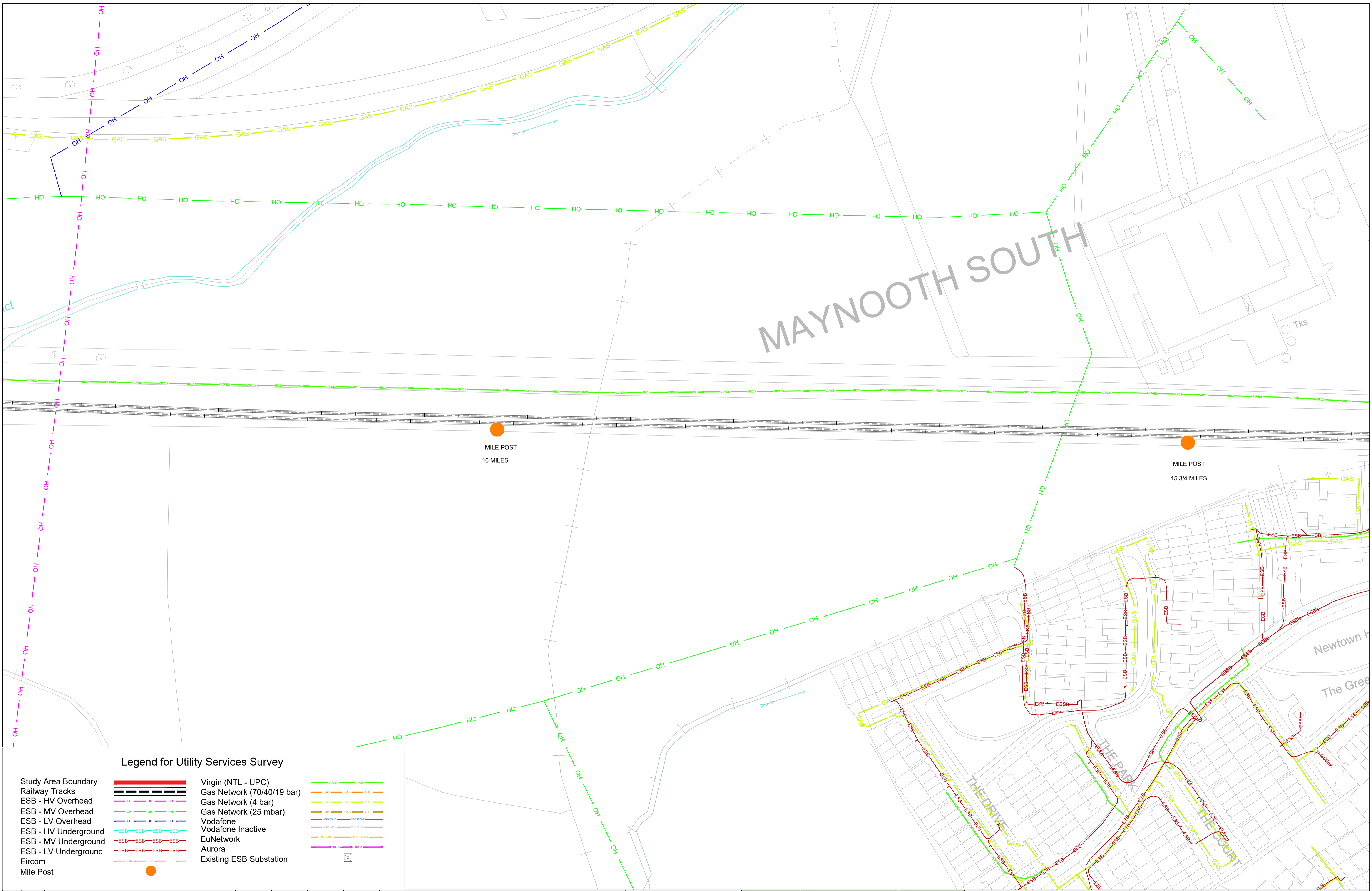
Client

Consultant

Tionscadal Éireann
Project Ireland
2040

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
	MAY	MDC	UTL	ROUT	DR	C	0150	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re: 0	Sheet: 50 of 67						



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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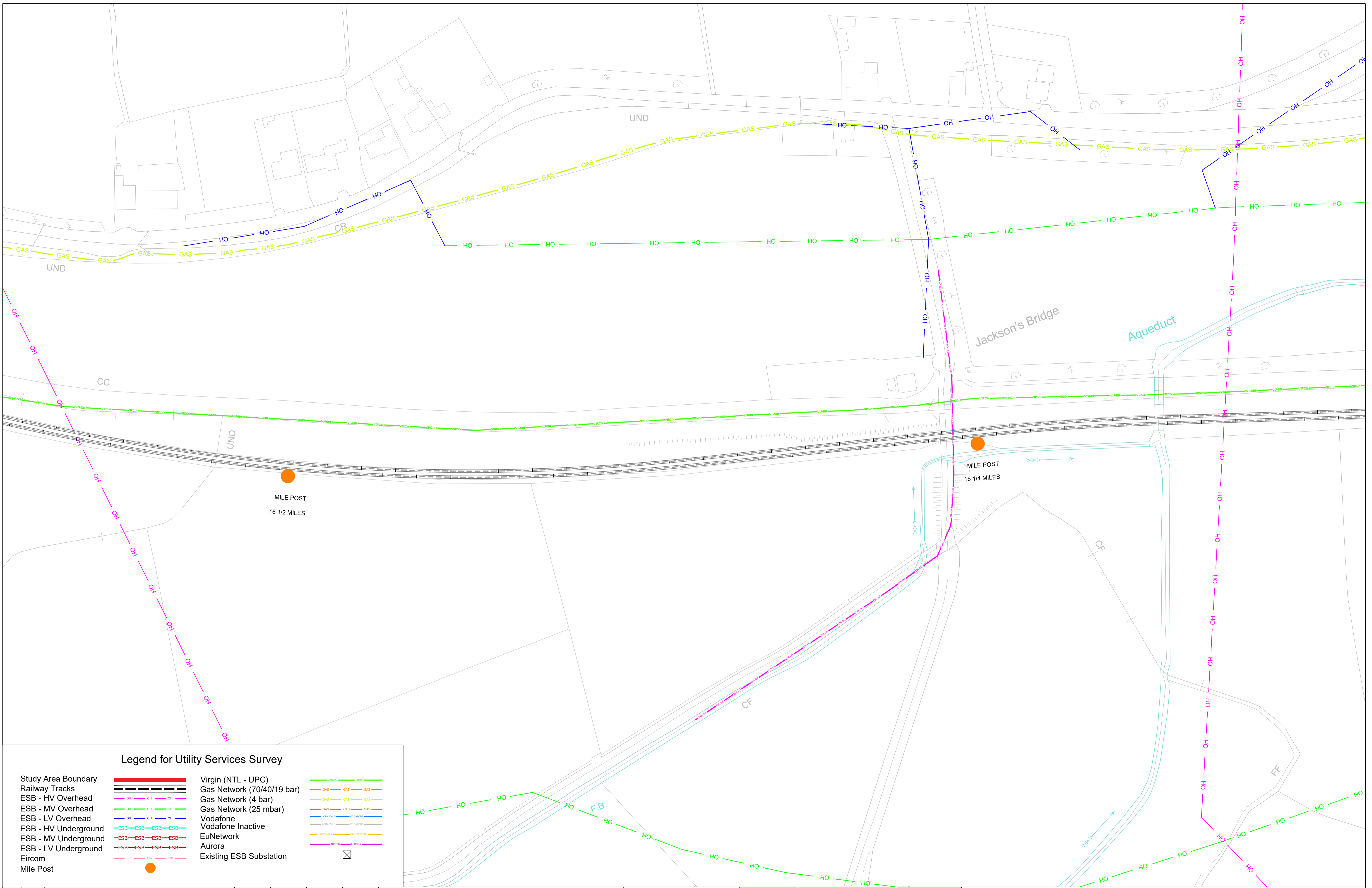
Client

Consultant

Project

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
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0151	MAY	MDC	UTL	ROUT	DR	C	0151	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	RePO	Sheet: 51 of 67						



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
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| ESB - MV Underground | | EuNetwork | |
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| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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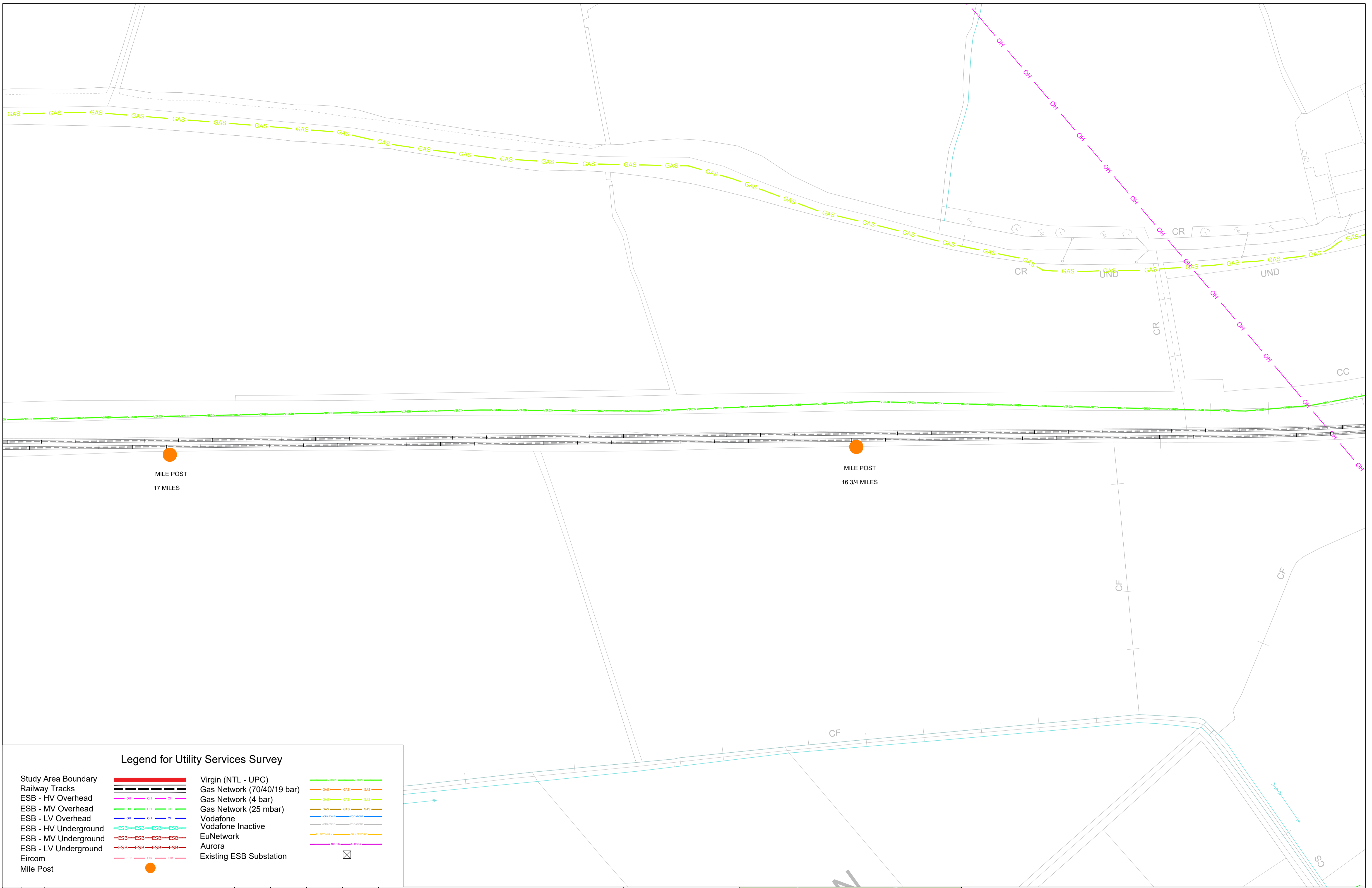
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
Drawing Number		Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By			
		MAY	MDC	UTL	ROUT	DR	C	0152	EP	MH	CCS	CCS			
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 52 of 67					



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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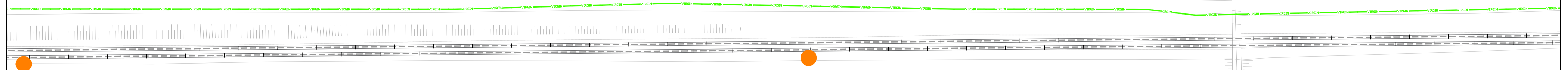
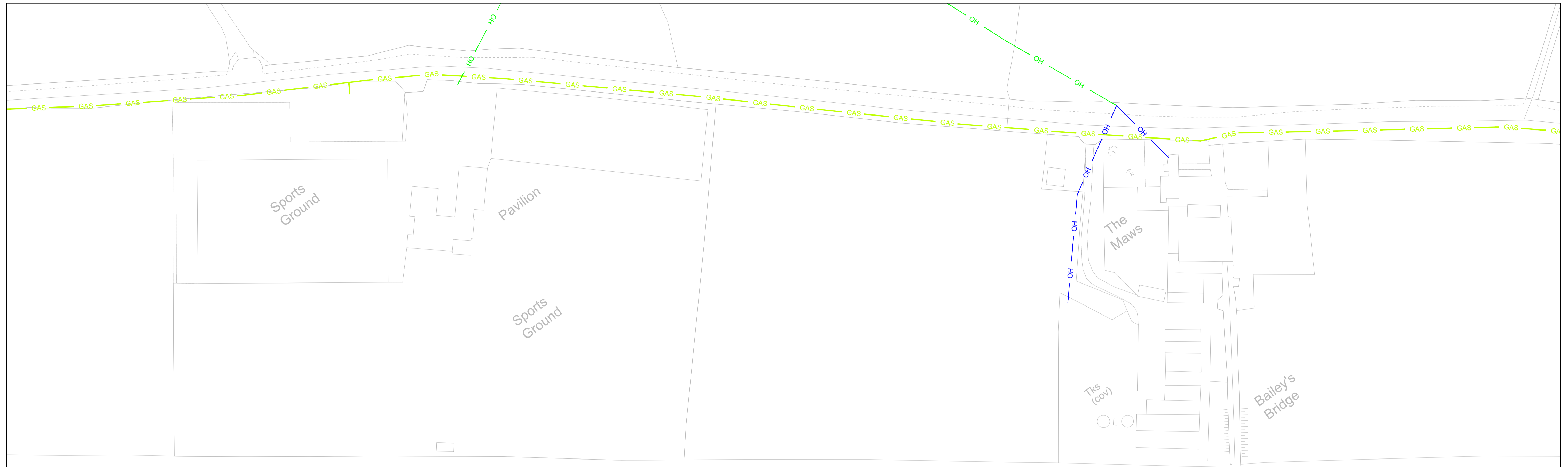
Client

Consultant

Tionscadal Éireann
Project Ireland
2040

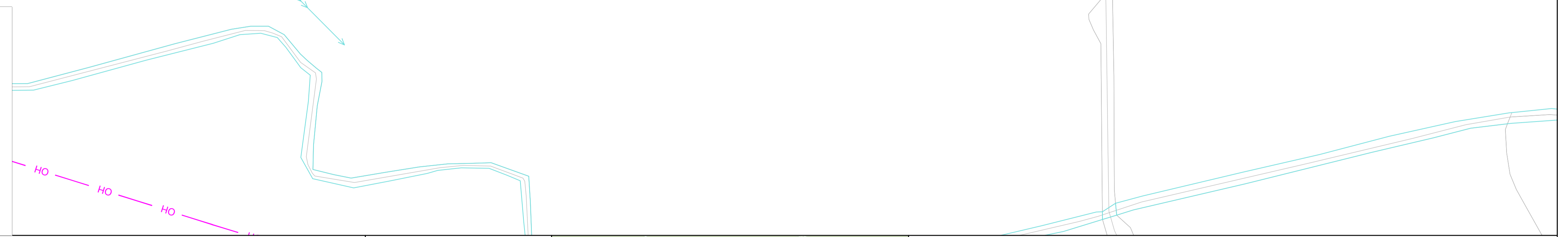
Project

Drawing Title												EXISTING UTILITIES LAYOUT										
Drawing Number												Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Scale: 1:1000			Date: JUNE 2020			Job No: 19.157			Status: S3-Review & Comment			Re#0	Sheet: 53 of 67									



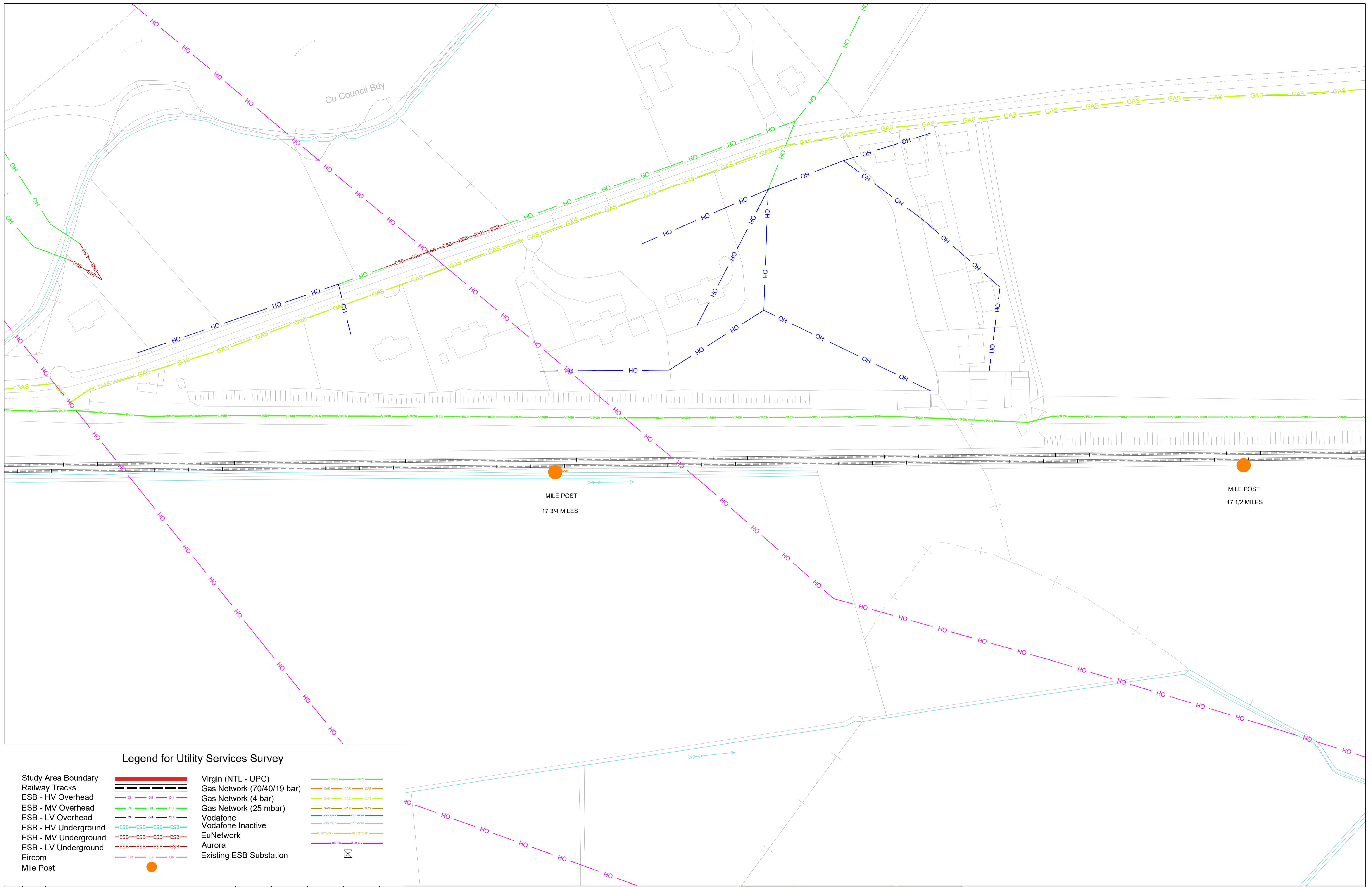
Legend for Utility Services Survey

Study Area Boundary		Virgin (NTL - UPC)	
Railway Tracks		Gas Network (70/40/19 bar)	
ESB - HV Overhead		Gas Network (4 bar)	
ESB - MV Overhead		Gas Network (25 mbar)	
ESB - LV Overhead		Vodafone	
ESB - HV Underground		Vodafone Inactive	
ESB - MV Underground		EuNetwork	
ESB - LV Underground		Aurora	
Eircom		Existing ESB Substation	
Mile Post			



REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client			Project		Drawing Title	EXISTING UTILITIES LAYOUT										
Consultant					Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
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Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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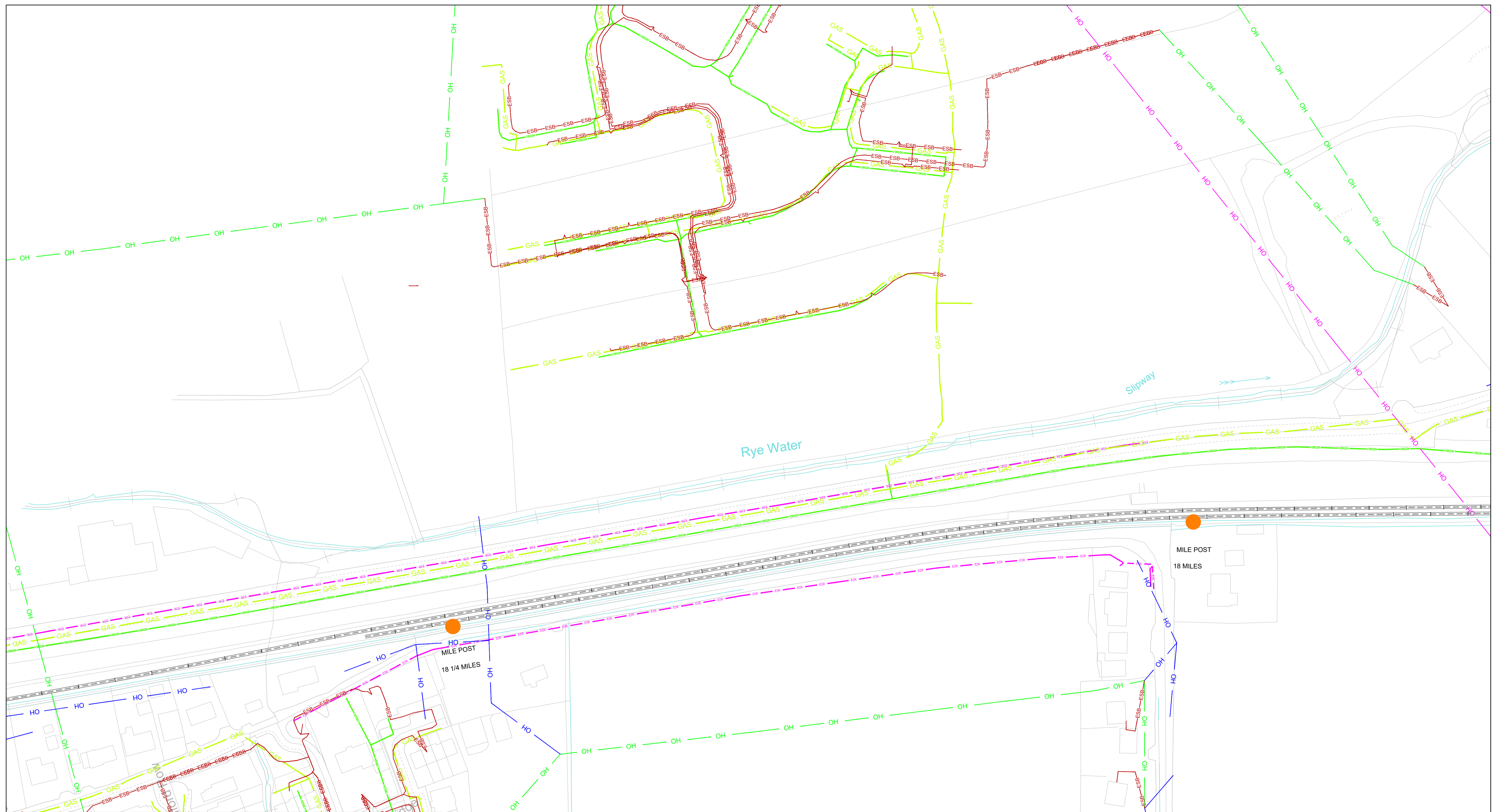
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 55 of 67		



Legend for Utility Services Survey

- | | | |
|----------------------|----------------------------|--|
| Study Area Boundary | Virgin (NTL - UPC) | |
| Railway Tracks | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | Gas Network (4 bar) | |
| ESB - MV Overhead | Gas Network (25 mbar) | |
| ESB - LV Overhead | Vodafone | |
| ESB - HV Underground | Vodafone Inactive | |
| ESB - MV Underground | EuNetwork | |
| ESB - LV Underground | Aurora | |
| Eircom | Existing ESB Substation | |
| Mile Post | | |

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Client

Consultant

Project

Tionscaldal Éireann
Project Ireland
2040

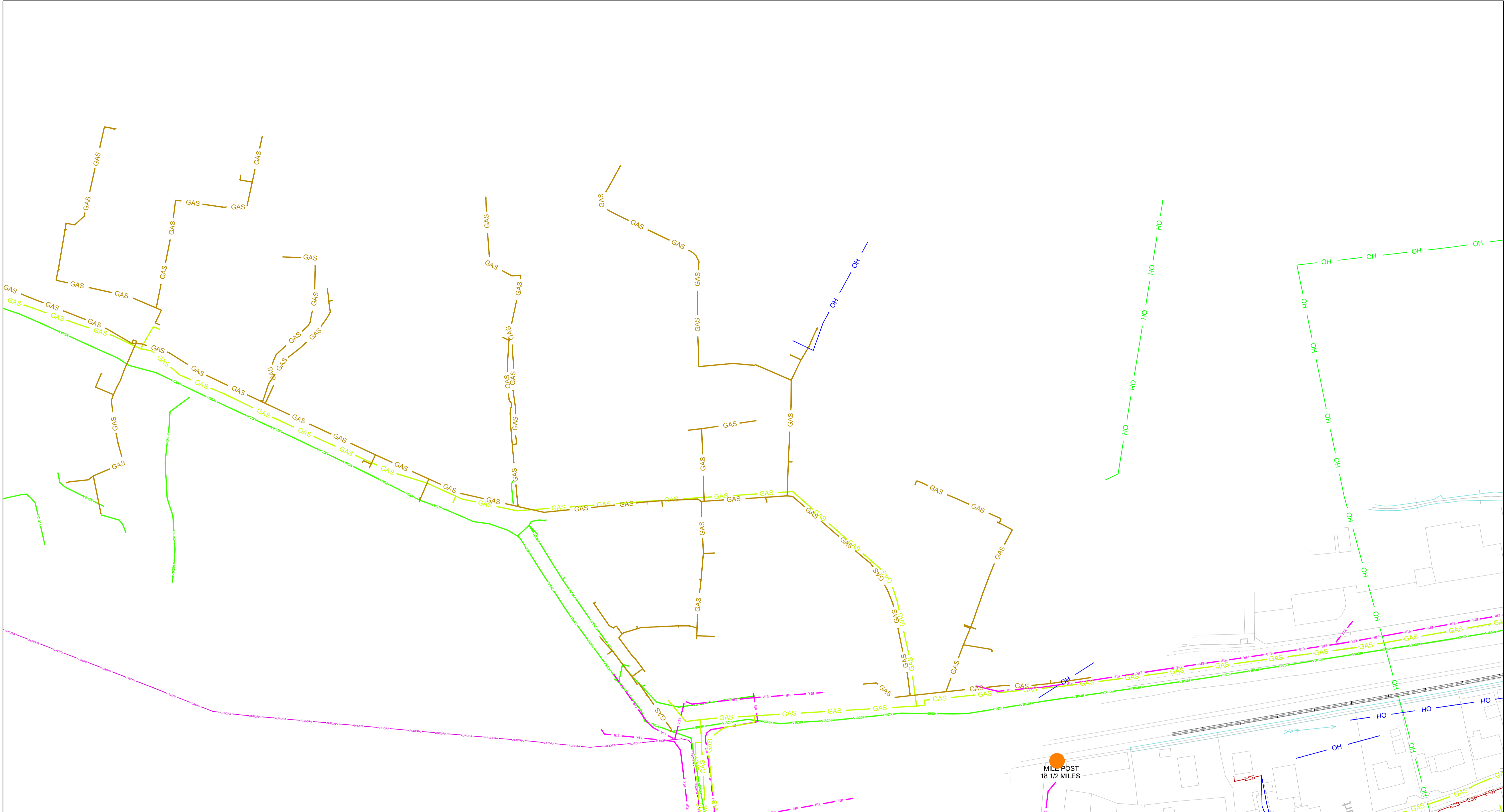
DART+
MAYNOOTH LINE

Drawing Title

EXISTING UTILITIES LAYOUT

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	MAY	MDC	UTL	ROUT	DR	C	0156	EP	MH	CCS	CCS

Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | Re:00 | Sheet: 56 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client

Consultant

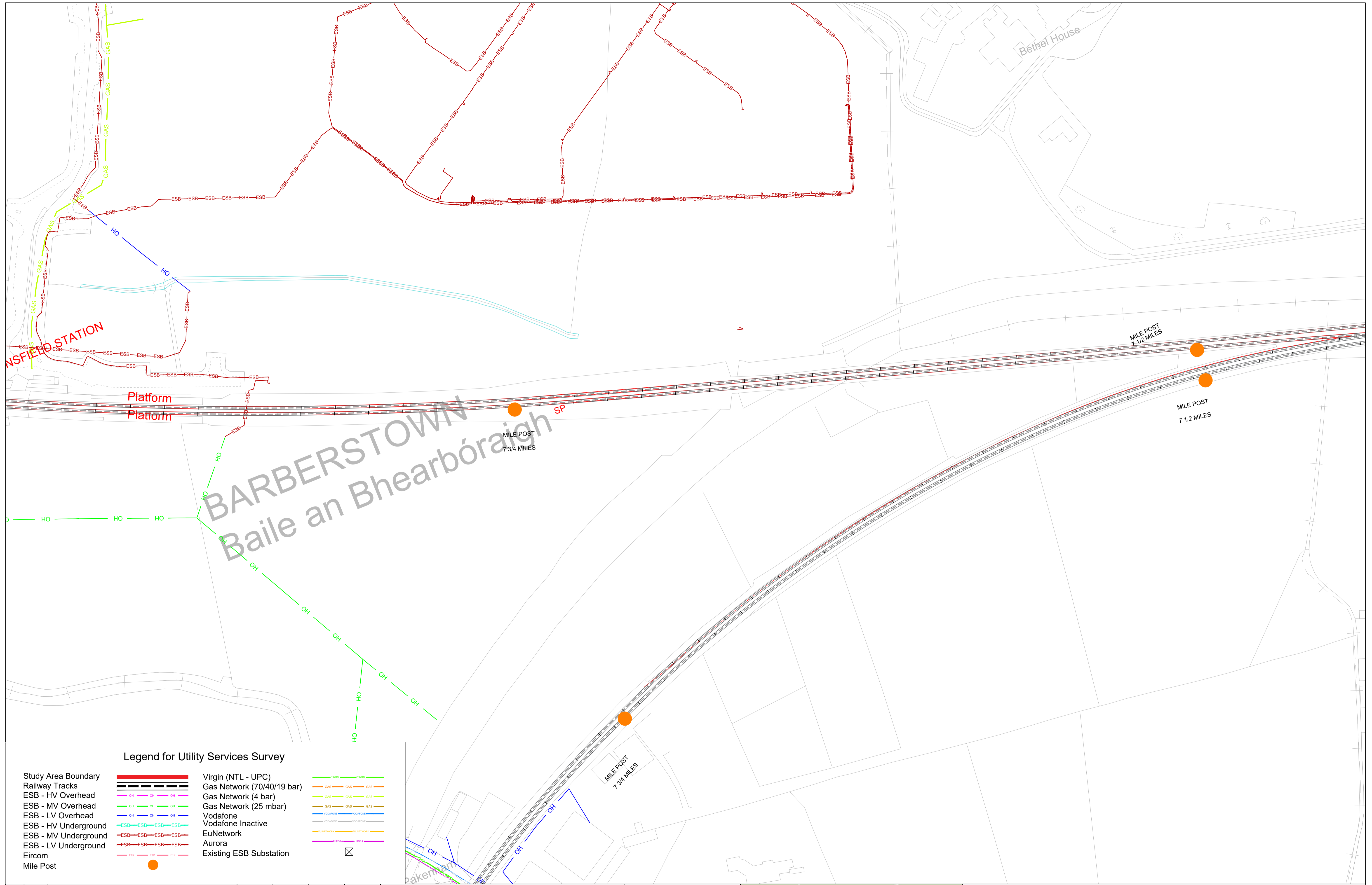
Tionscadal Éireann
Project Ireland
2040

Project

Drawing Title: **EXISTING UTILITIES LAYOUT**

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Scale: 1:1000 | Date: JUNE 2020 | Job No: 19.157 | Status: S3-Review & Comment | RePO | Sheet: 57 of 67



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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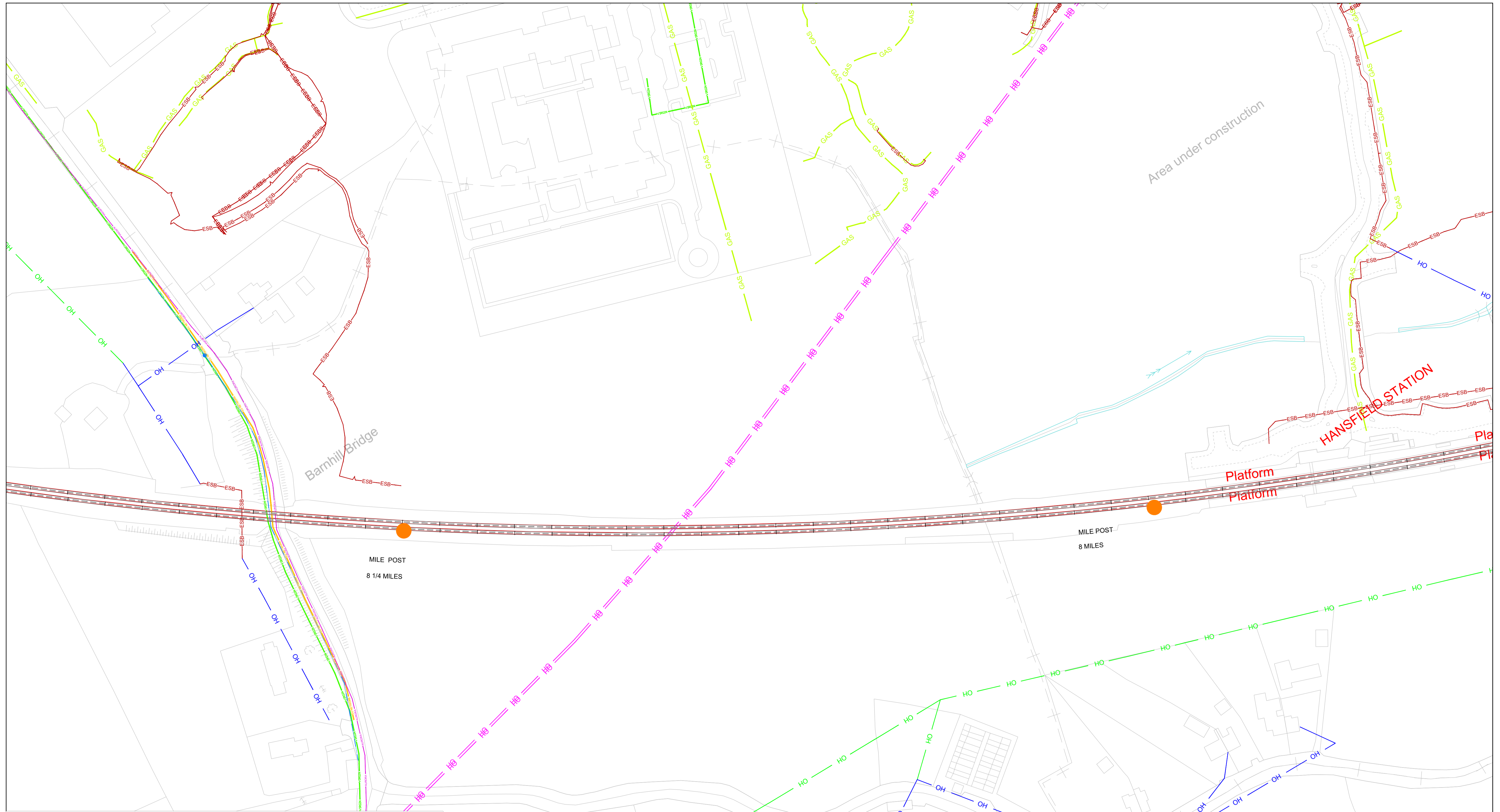
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 58 of 67					



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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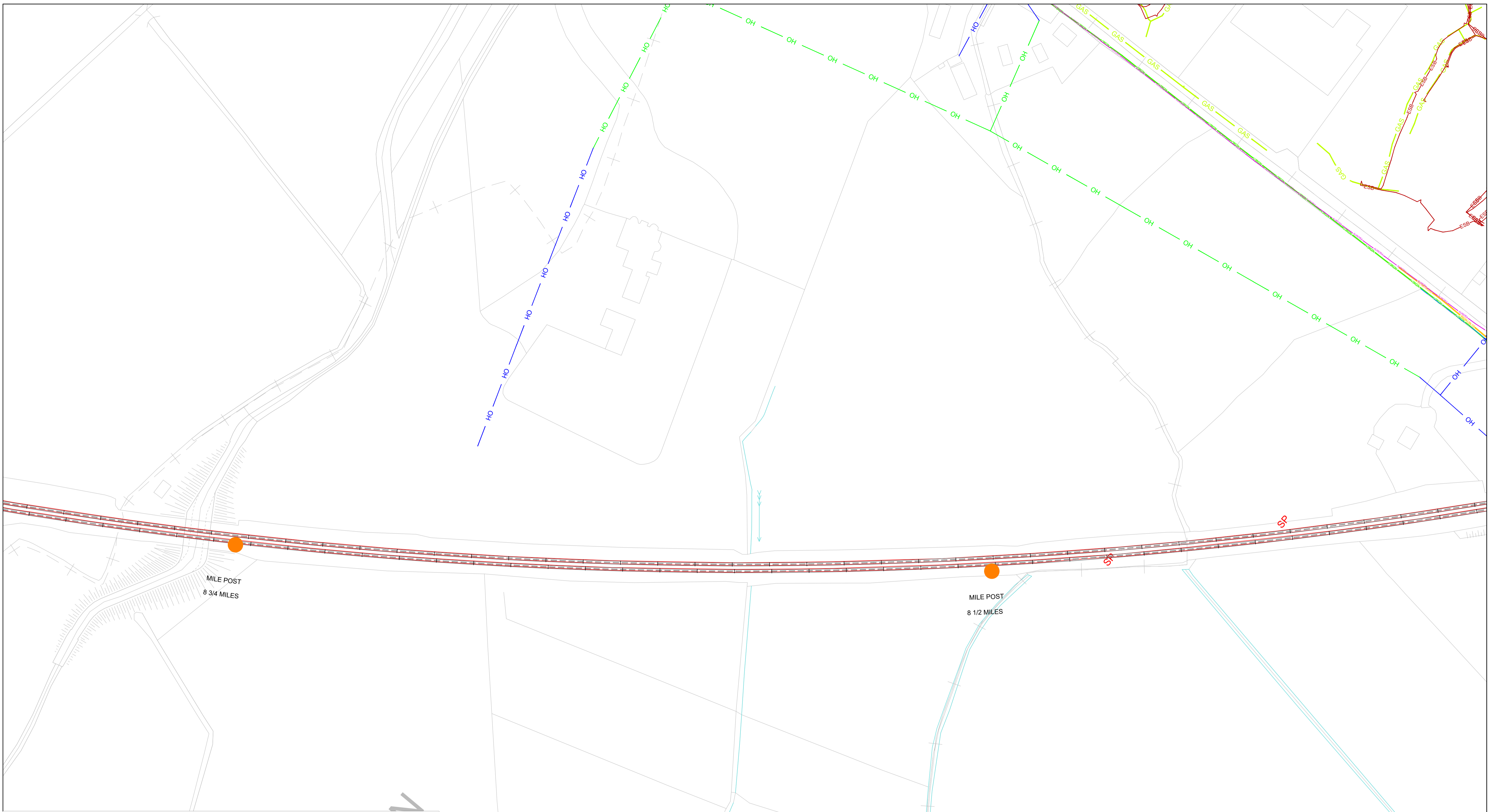
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
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		MAY	MDC	UTL	ROUT	DR	C	0159	EP	MH	CCS	CCS
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 59 of 67		



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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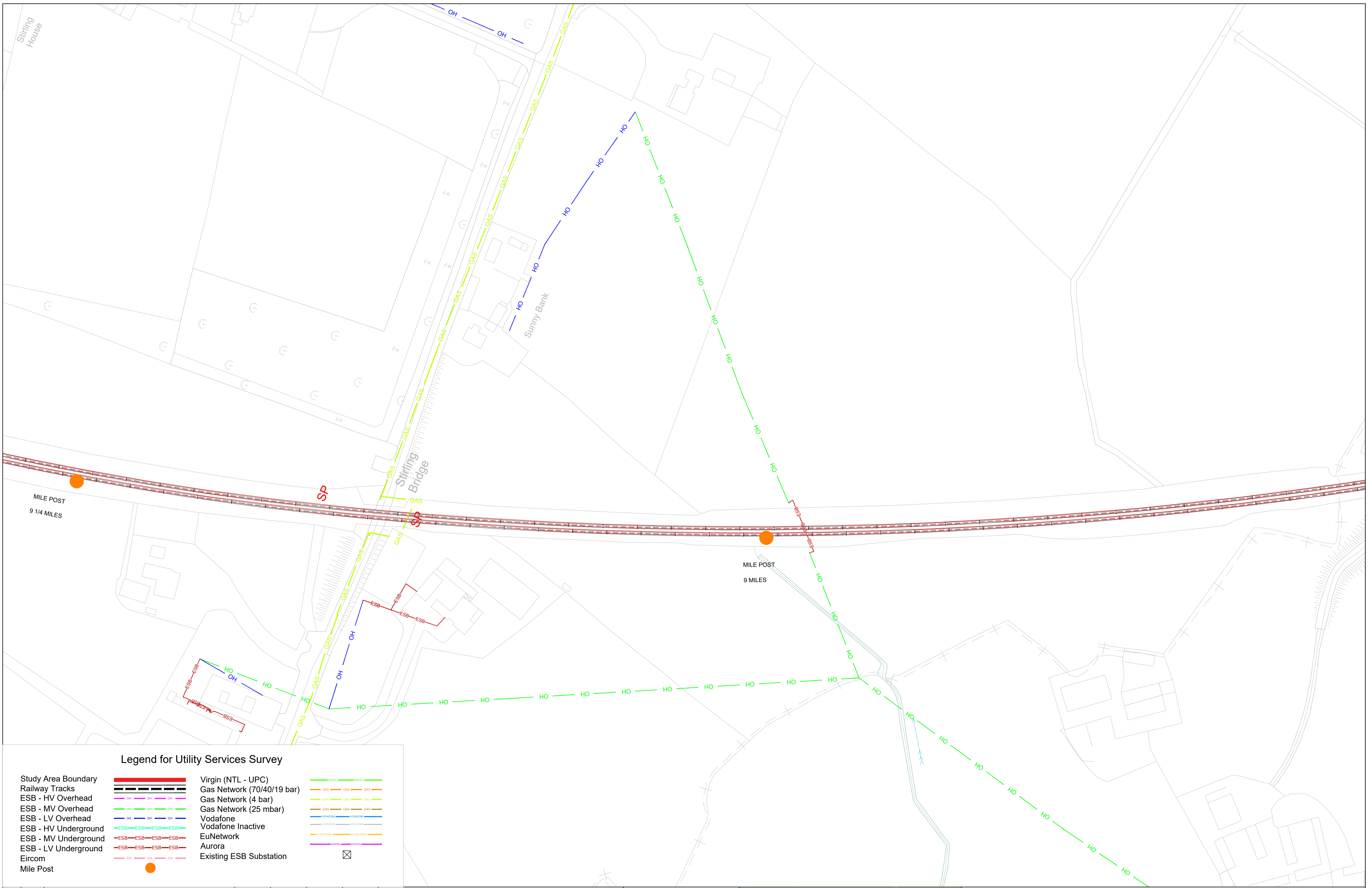
Client

Consultant

Project

Project

Drawing Title												
EXISTING UTILITIES LAYOUT												
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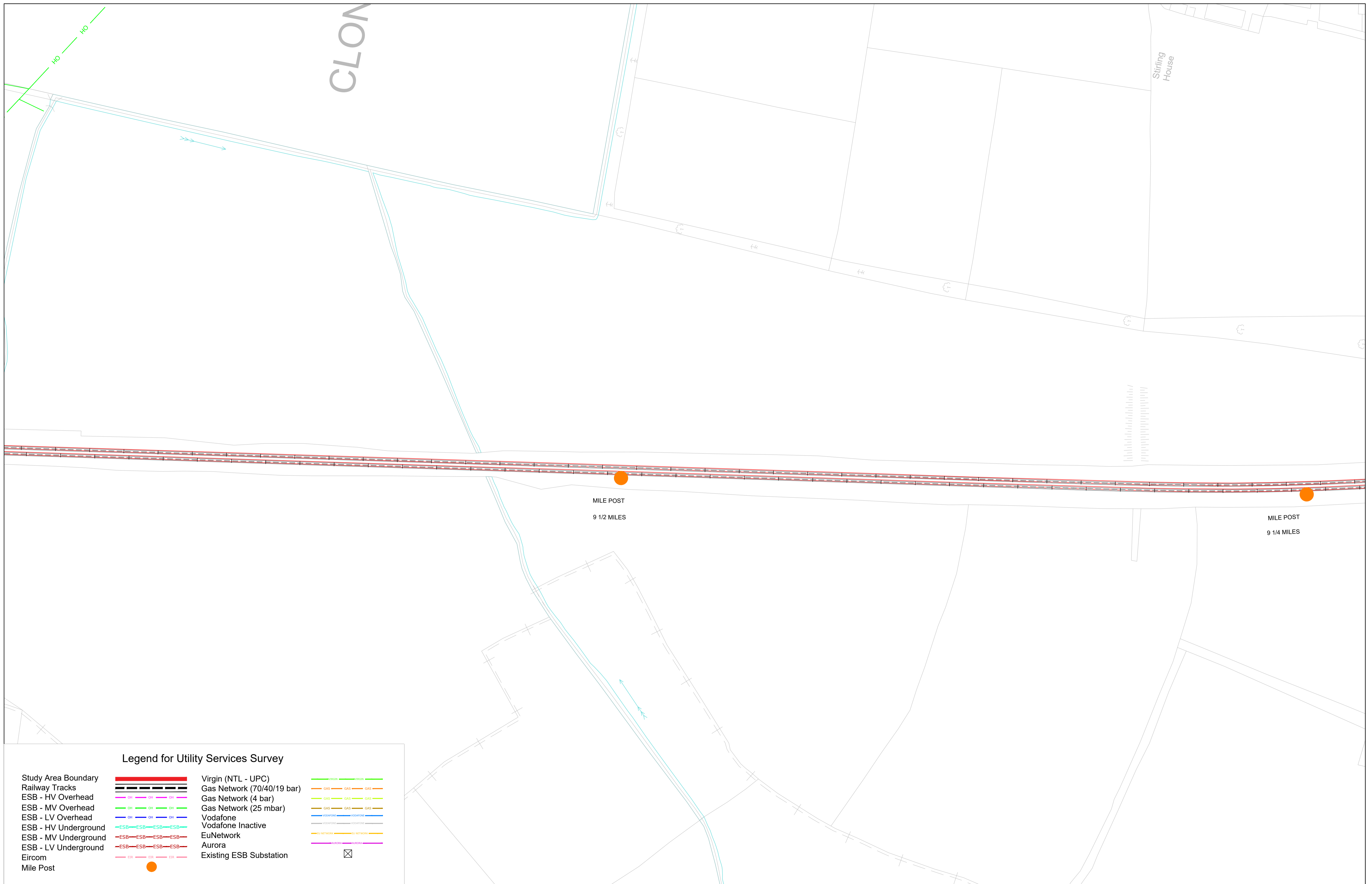


Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client		Project	 MAYNOOTH LINE	Drawing Title	EXISTING UTILITIES LAYOUT											
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
					MAY	MDC	UTL	ROUT	DR	C		0161	EP	MH	CCS	CCS
				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 61 of 67							



Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

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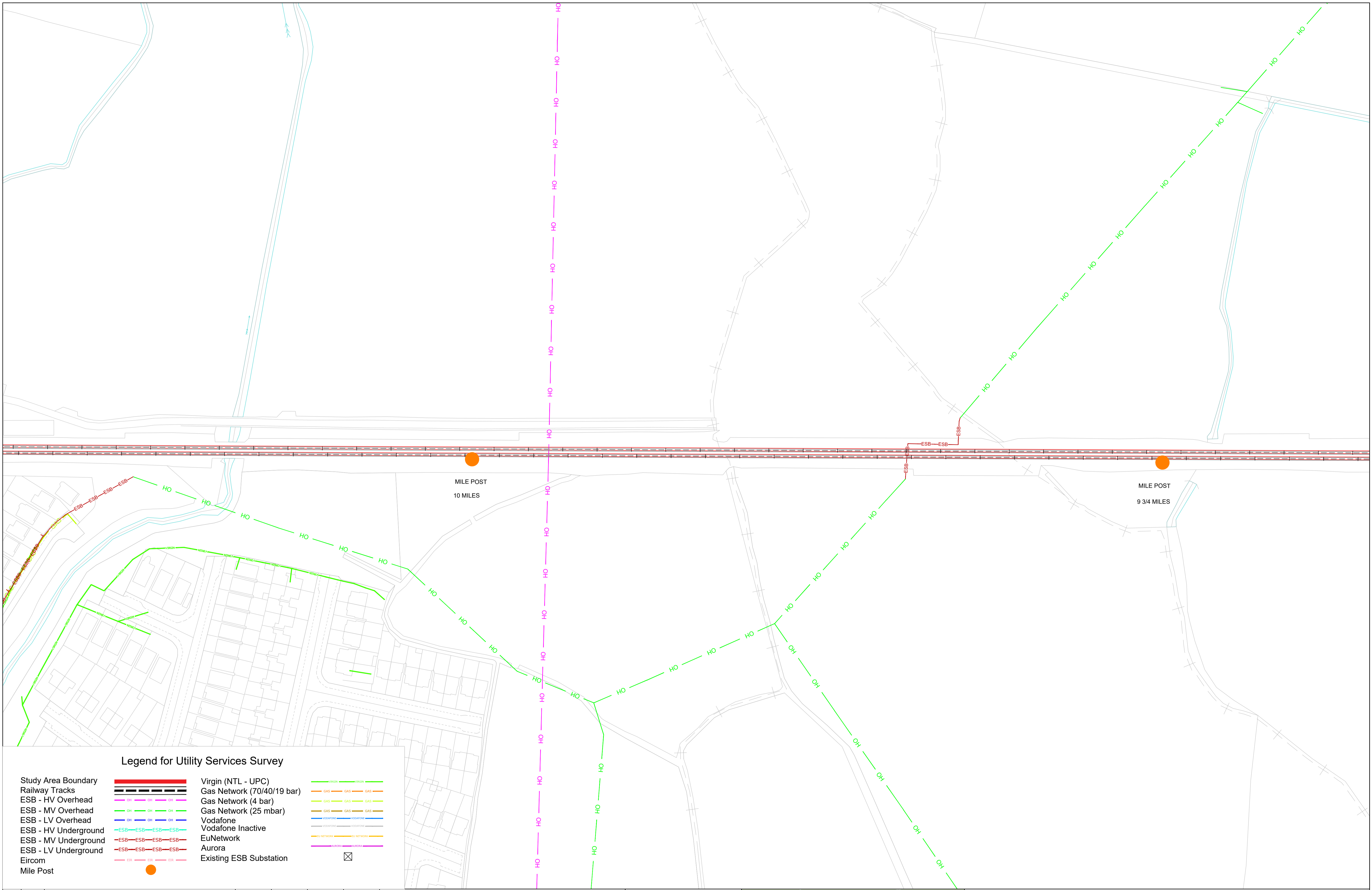
Client

Consultant

Tionscadal Éireann
Project Ireland
2040

Project

Drawing Title												EXISTING UTILITIES LAYOUT			
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Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		RePO		Sheet: 62 of 67					



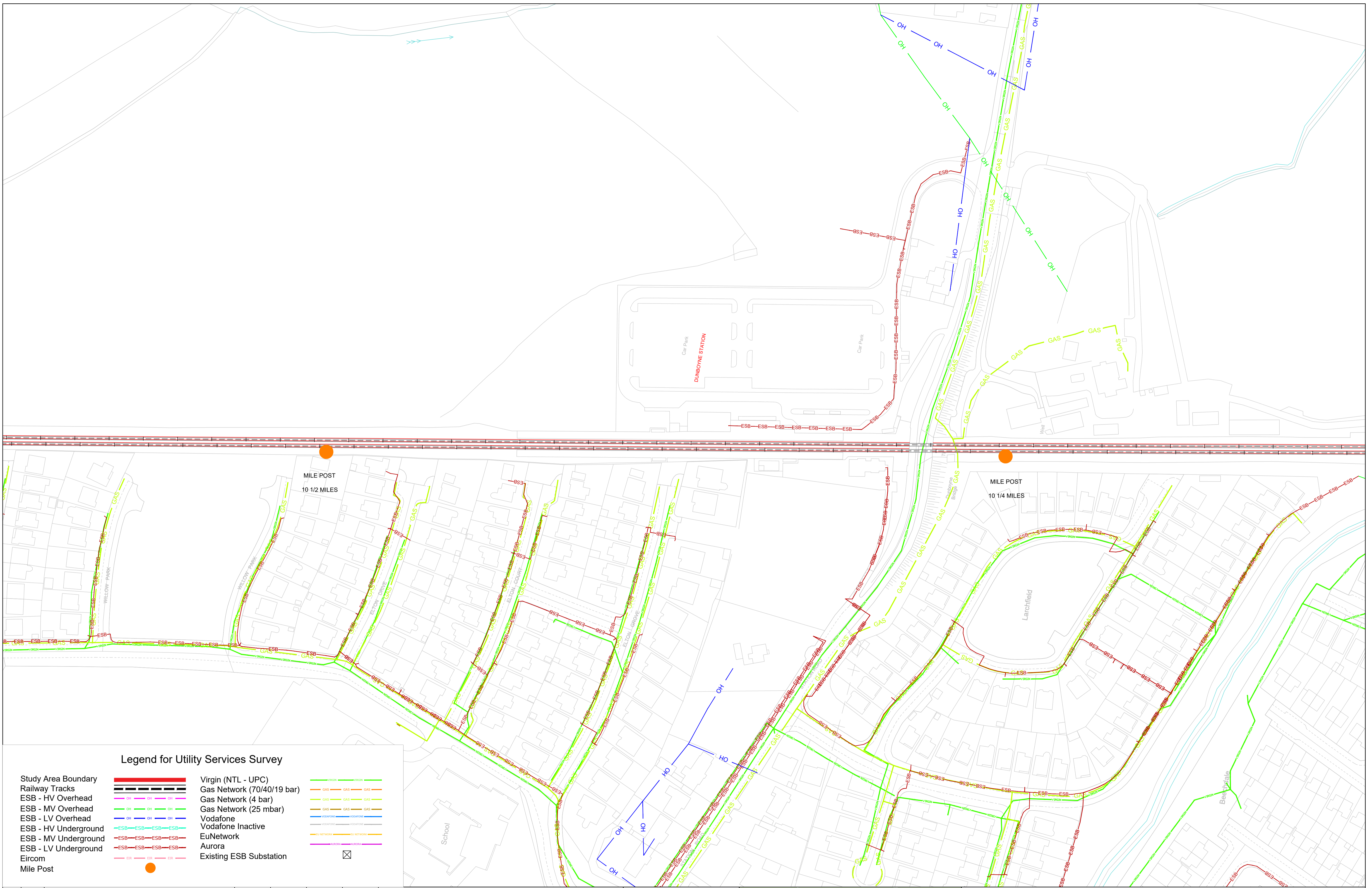
Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post

	Virgin (NTL - UPC)		Water
	Gas Network (70/40/19 bar)		Gas
	Gas Network (4 bar)		Gas
	Gas Network (25 mbar)		Gas
	Vodafone		Vodafone
	Vodafone Inactive		Vodafone Inactive
	EuNetwork		EuNetwork
	Aurora		Aurora
	Existing ESB Substation		Existing ESB Substation

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client 	Consultant 	Project 	Drawing Title <h3 style="text-align: center;">EXISTING UTILITIES LAYOUT</h3>																								
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Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By																
0163	MAY	MDC	UTL	ROUT	DR	C	0163	EP	MH	CCS	CCS																
Scale: 1:1000		Date: JUNE 2020		Job No: 19.157		Status: S3-Review & Comment		Re#0		Sheet: 63 of 67																	



Legend for Utility Services Survey

- Study Area Boundary
- Railway Tracks
- ESB - HV Overhead
- ESB - MV Overhead
- ESB - LV Overhead
- ESB - HV Underground
- ESB - MV Underground
- ESB - LV Underground
- Eircom
- Mile Post
- Virgin (NTL - UPC)
- Gas Network (70/40/19 bar)
- Gas Network (4 bar)
- Gas Network (25 mbar)
- Vodafone
- Vodafone Inactive
- EuNetwork
- Aurora
- Existing ESB Substation

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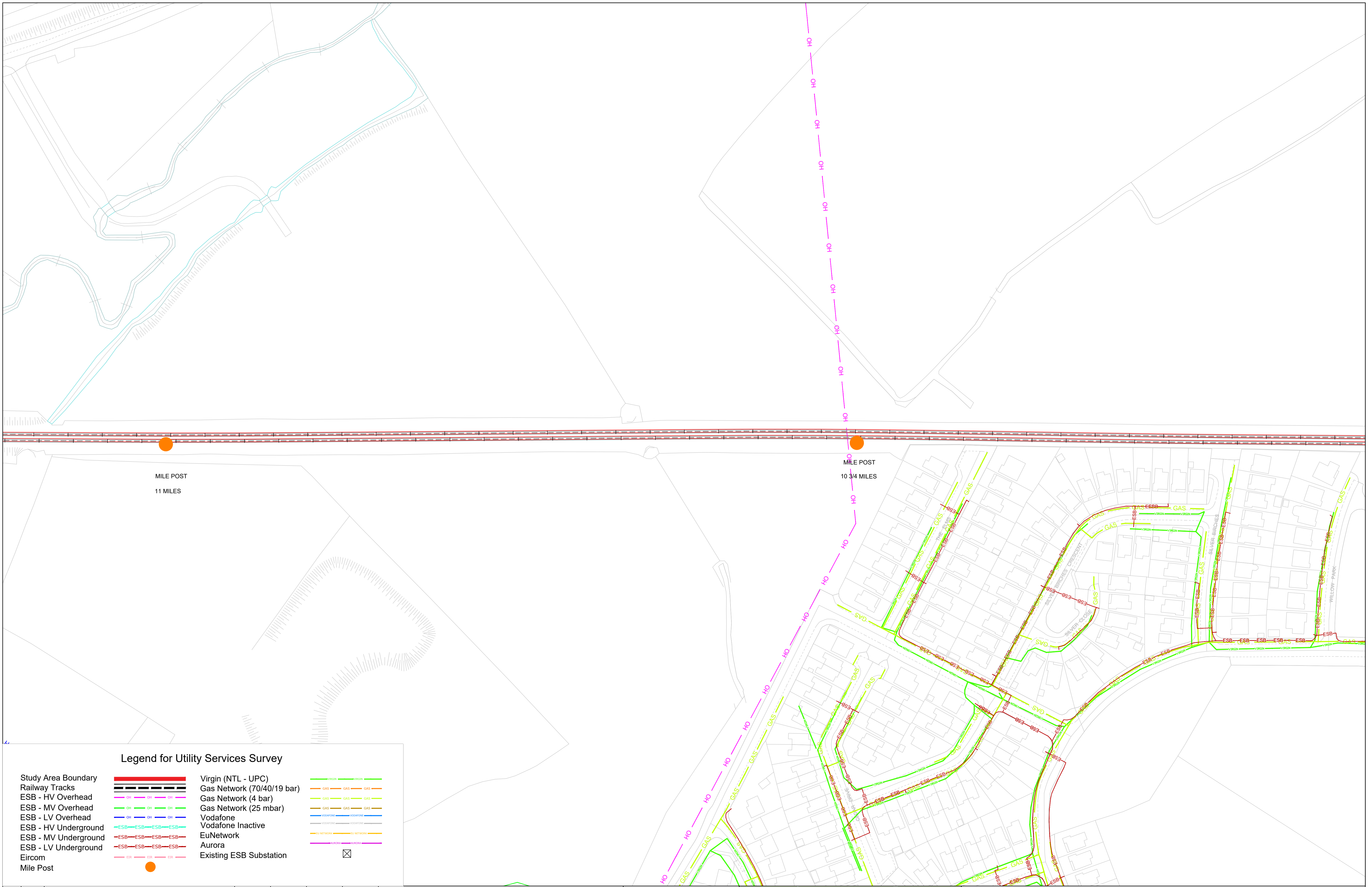
Client

Consultant

Project

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
	MAY	MDC	UTL	ROUT	DR	C	0164	EP	MH	CCS	CCS
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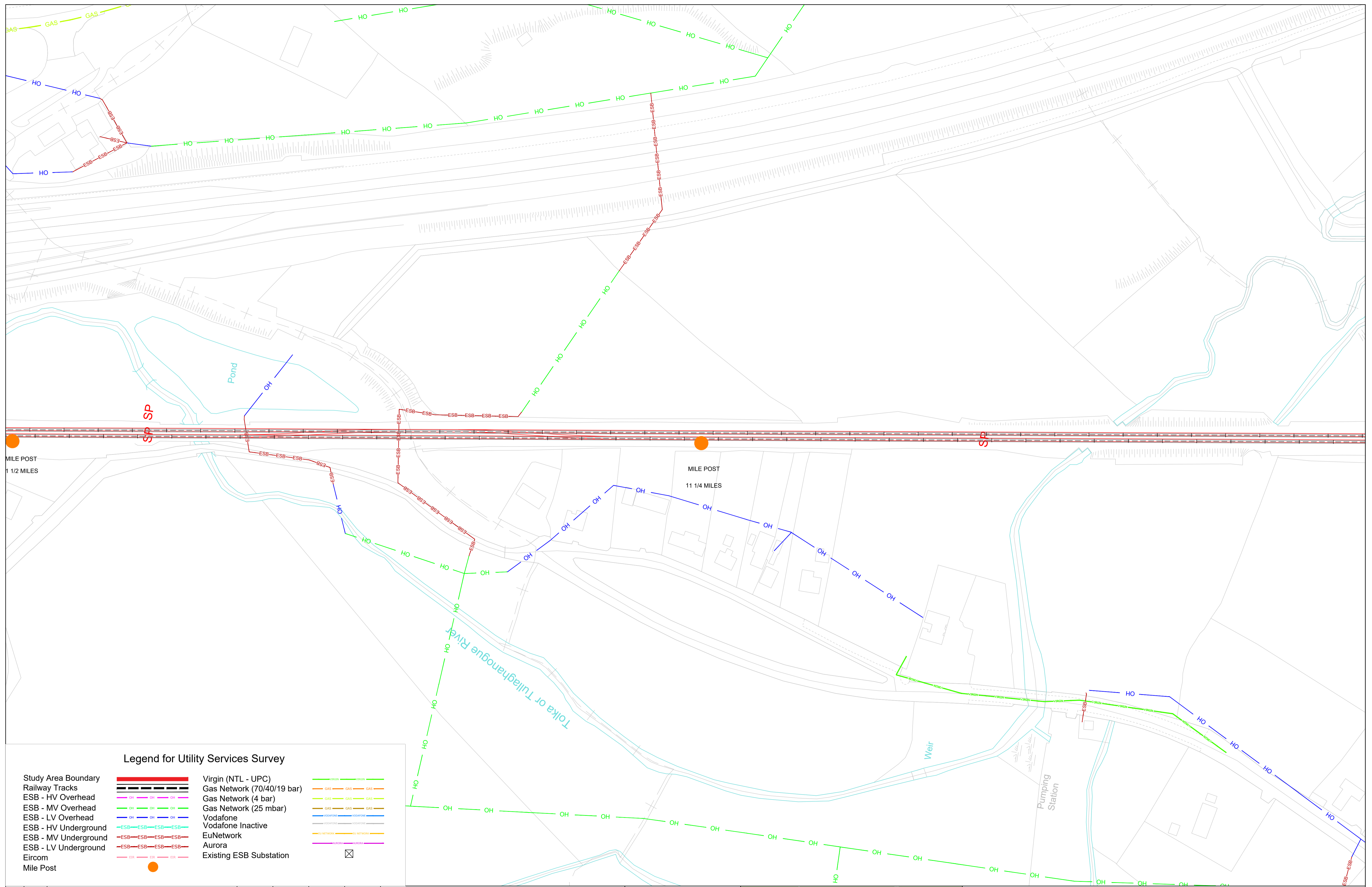


Legend for Utility Services Survey

- | | | | |
|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
| ESB - HV Overhead | | Gas Network (4 bar) | |
| ESB - MV Overhead | | Gas Network (25 mbar) | |
| ESB - LV Overhead | | Vodafone | |
| ESB - HV Underground | | Vodafone Inactive | |
| ESB - MV Underground | | EuNetwork | |
| ESB - LV Underground | | Aurora | |
| Eircom | | Existing ESB Substation | |
| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client		Project	<p>MAYNOOTH LINE</p>	Drawing Title	EXISTING UTILITIES LAYOUT											
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
					MAY	MDC	UTL	ROUT	DR	C		0165	EP	MH	CCS	CCS
				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 65 of 67							



Legend for Utility Services Survey

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|----------------------|--|----------------------------|--|
| Study Area Boundary | | Virgin (NTL - UPC) | |
| Railway Tracks | | Gas Network (70/40/19 bar) | |
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| Mile Post | | | |

REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

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 Survey No. 0039720 (OSI Aerial Data or OS Lidar Data) & Survey No. 2020/081_NMA_100 (OSI Vector Data).
 All elevations are in metres and relate to OSI Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLG).

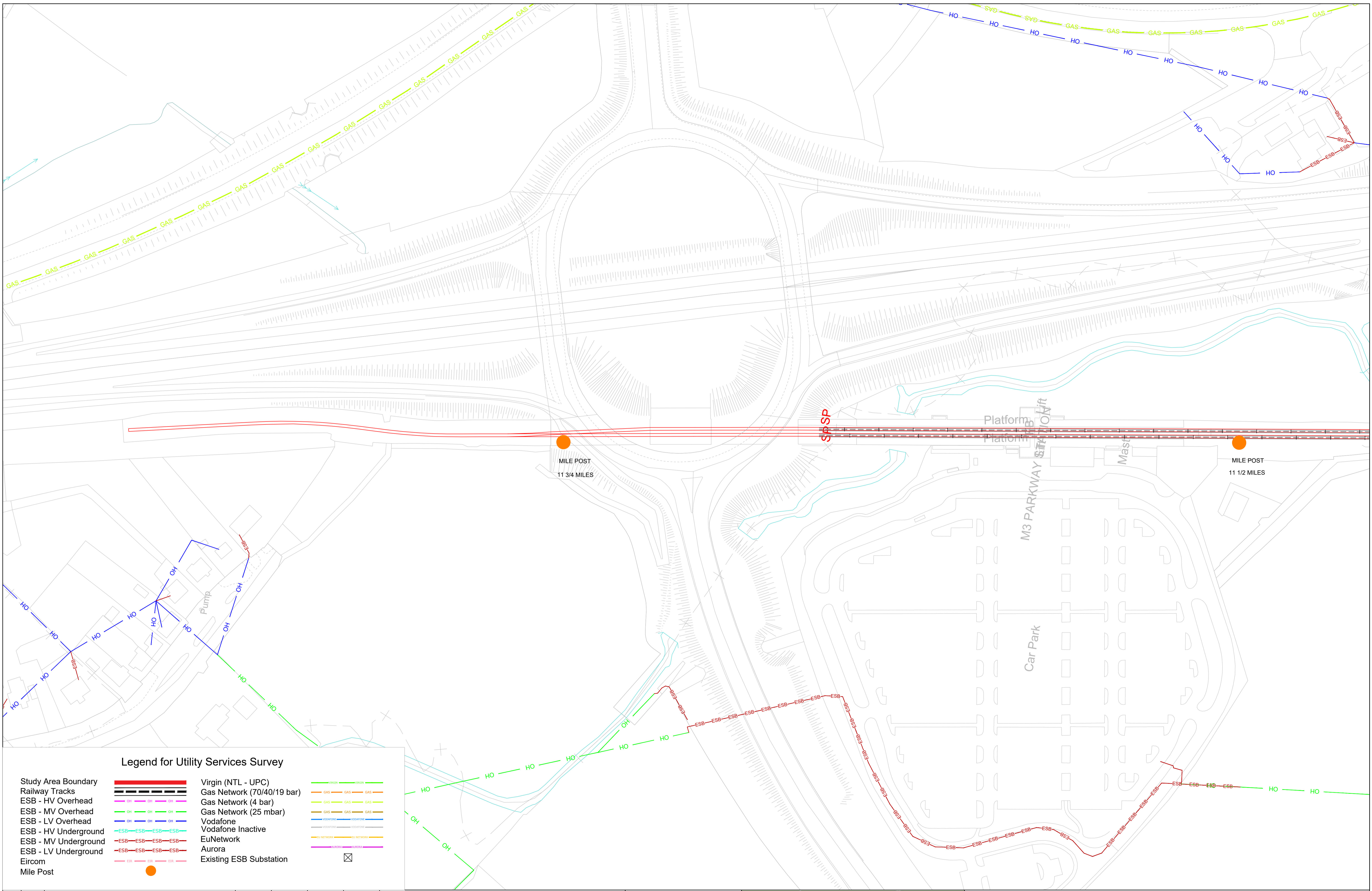
Client

Consultant

Tionscadal Éireann Project Ireland 2040

Project

Drawing Title											
EXISTING UTILITIES LAYOUT											
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By
0166	MAY	MDC	UTL	ROUT	DR	C	0166	EP	MH	CCS	CCS
Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 66 of 67						



Legend for Utility Services Survey

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REV.	DATE	Description	DRAWN BY	CHECKED BY	REVIEWED BY	APPROVED BY

Client		Project	<p>MAYNOOTH LINE</p>	Drawing Title	EXISTING UTILITIES LAYOUT											
Consultant				Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Drawn By	Checked By	Reviewed By	Approved By	
					MAY	MDC	UTL	ROUT	DR	C		0167	EP	MH	CCS	CCS
				Scale: 1:1000	Date: JUNE 2020	Job No: 19.157	Status: S3-Review & Comment	Re#0	Sheet: 67 of 67							