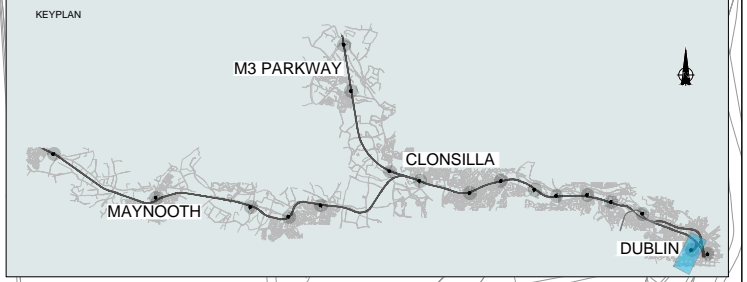


1 EXISTING PIPE GAS
Ø125mm PE80-25mbar UNDERGROUND

LEGEND FOR UTILITY SERVICES SURVEY:			
— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW- GRAVITY FOUL in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area
— AURORA —	Existing Aurora		
— WM —	Existing Water Main		
		— VIRGIN —	VIRGIN in Works Area
		— VODAFONE —	VODAFONE in Works Area
		— AUR —	AURORA in Works Area
		— EU —	EU Network in Works Area
		— GAS LP —	GAS LP in Works Area
		— GAS MP —	GAS MP in Works Area
		— GAS HP —	GAS HP in Works Area
		— IRISH RAIL —	Irish Rail Property Boundary



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REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Consultant

Project

Drawing Title

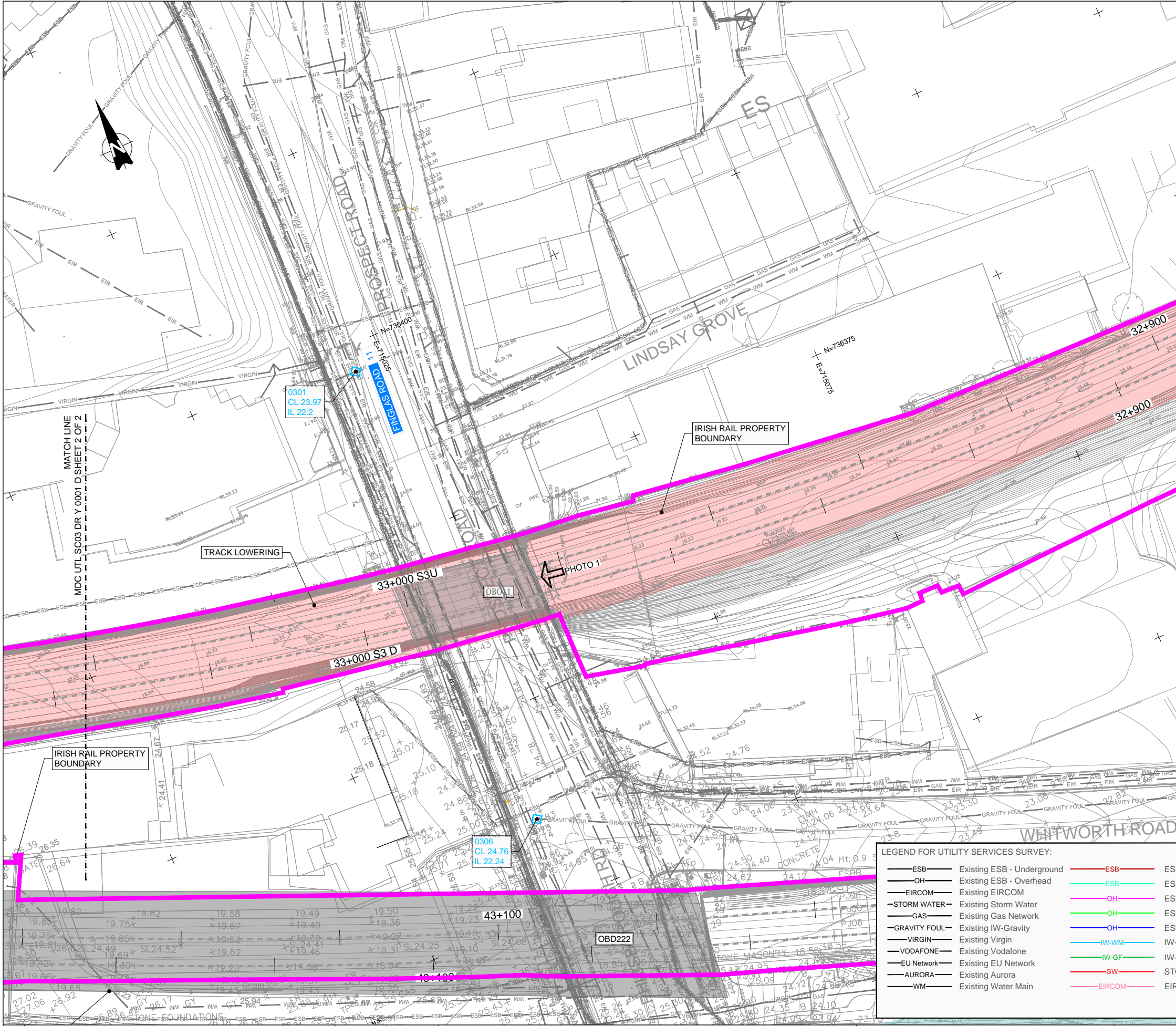
UTILITIES DIVERSIONS
CONNOLLY STATION
STATION AND TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY MDC	UTL	RS02	DR	Y	0001	D		

Date:	Job No:	Status:	Rev:
May 2022	P/101086	F1-Approved & Accepted	V 01

Sheet 01 of 01



NOTE:
NO UTILITIES DIVERSION

LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— IRISH RAIL —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

V 01	May 2022	Planning Issue	JHC	LA	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client: **Thionscail Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **PROD**

Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBO11 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC03 DR Y 0001 D**

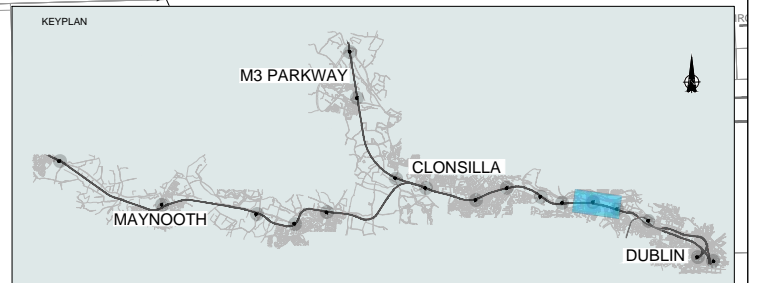
Date: May 2022 | Job No: P/101086 | Status: F1- Approved & Accepted | Rev: V 01 | Sheet: 01 of 02



NOTE:
NO UTILITIES DIVERSION

LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— IRISH RAIL — Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		



V 01	May 2022	Planning Issue	JHC	LA	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Thionscald Éireann Project Ireland 2040

NTA Údarás Náisiúnta Comair Náisiúnta

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

Drawing Title

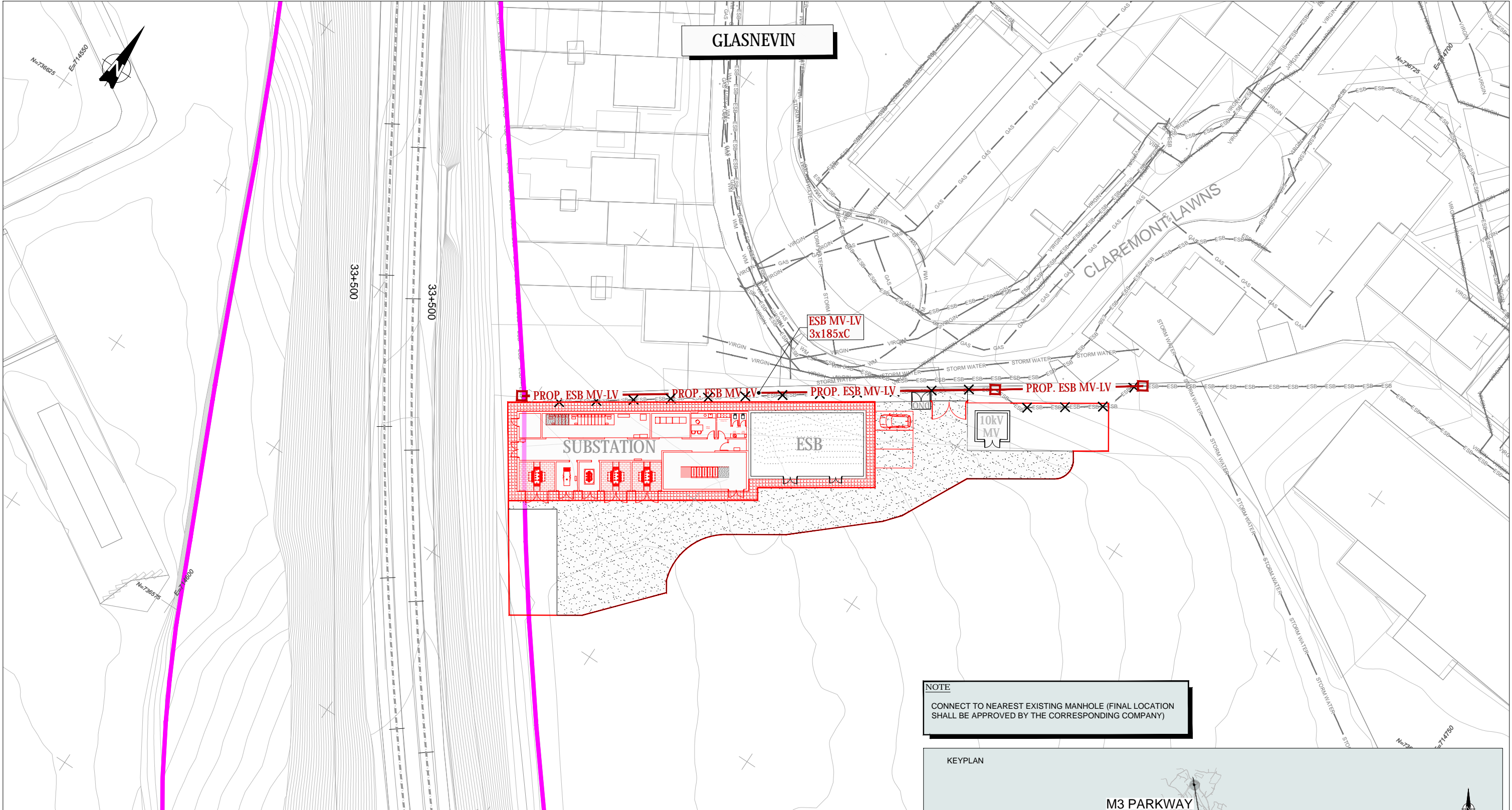
UTILITIES DIVERSIONS
OBO11 TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY MDC UTL SC03 DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1- Approved & Accepted | Rev: V 01 | Sheet: 02 of 02



NOTE
CONNECT TO NEAREST EXISTING MANHOLE (FINAL LOCATION SHALL BE APPROVED BY THE CORRESPONDING COMPANY)

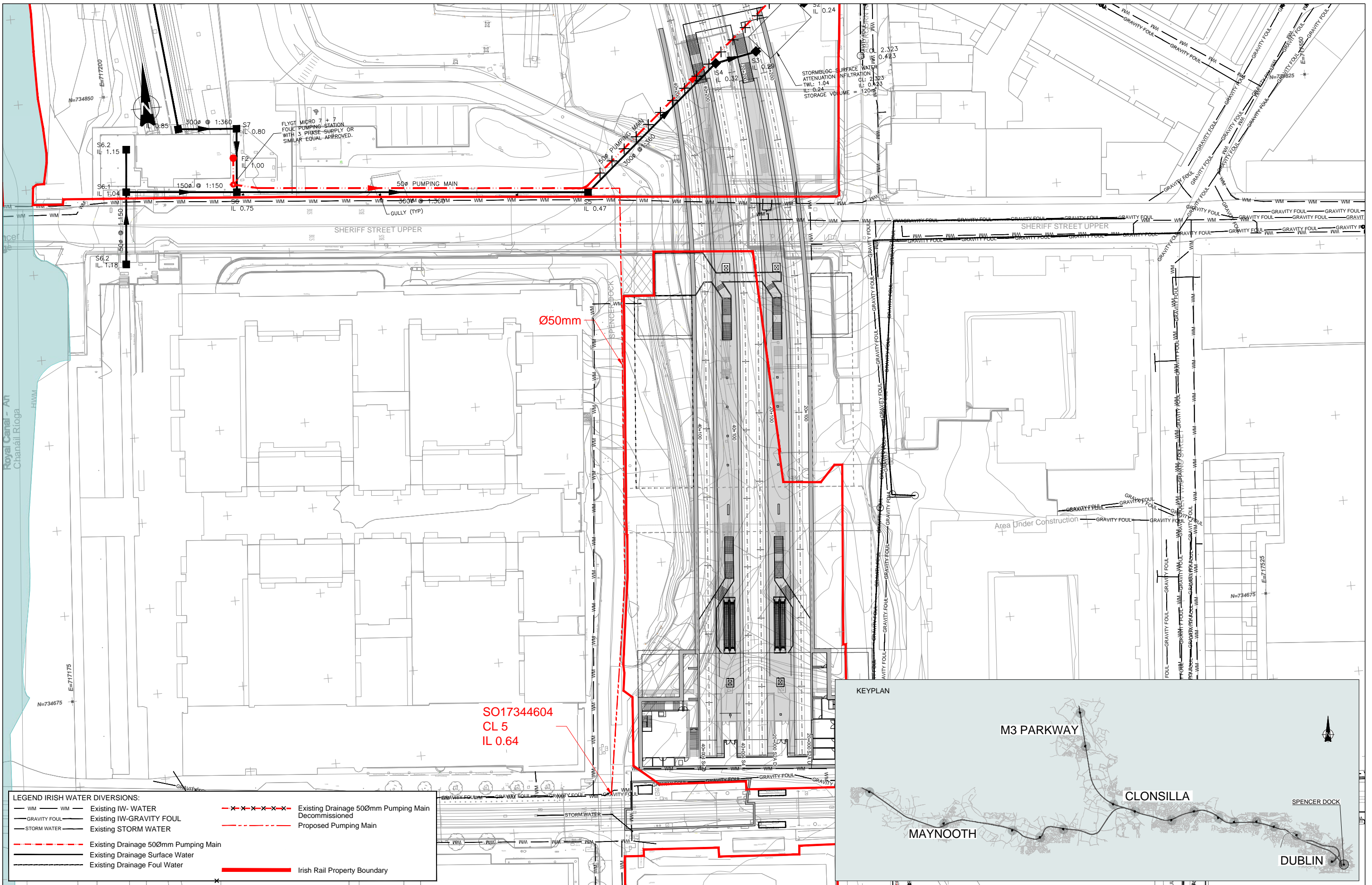


LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:

—ESB—ESB—ESB— Existing ESB - Underground	—PROP. ESB MV/LV— Proposed ESB - MV/LV Underground Diversion	—PROP. VIRGIN— Proposed VIRGIN Diversion
—OH— Existing ESB - Overhead	—PROP. ESB HV— Proposed ESB - HV Overhead Diversion	—PROP. VODAFONE— Proposed VODAFONE Diversion
—EIRCOM— Existing EIRCOM	—PROP. ESB MV— Proposed ESB - MV Overhead Diversion	—PROP. AUR— Proposed AURORA Diversion
—STORM WATER— Existing Storm Water	—PROP. ESB LV— Proposed ESB - LV Overhead Diversion	—PROP. EU— Proposed EU Network Diversion
—GAS— Existing Gas Network	—PROP. ESB HV— Proposed ESB - HV Underground Diversion	—PROP. GAS LP— Proposed GAS LP Diversion
—GRAVITY FOUL— Existing IW-Gravity	—PROP. IW-GM— Proposed IW- WATER Main Diversion	—PROP. GAS MP— Proposed GAS MP Diversion
—VIRGIN— Existing Virgin	—PROP. IW-GF— Proposed IW-GRAVITY FOUL Diversion	—PROP. GAS HP— Proposed GAS HP Diversion
—VODAFONE— Existing Vodafone	—PROP. SW— Proposed STORM WATER Diversion	—IRISH RAIL— Irish Rail Property Boundary
—EU NETWORK— Existing EU Network	—PROP. EIRCOM— Proposed EIRCOM Diversion	
—AURORA— Existing Aurora		
—WM— Existing Water Main		

Client	Tionscadal Éireann Project Ireland 2040	NTA Udarás Náisiúnta Iompartha National Transport Authority	Iarnród Éireann Irish Rail
Consultant	IDOM	G3	FIROD
Project	DART+ West		
Drawing Title	UTILITIES DIVERSION GLASNEVIN SUBSTATION		
Scale: 1:250 @ A1	Drawing Number	Project	Originator Discipline Location Type Role Number Phase
0 3.125 6.25 12.5	MAY MDC	UTL RS04 DR Y	0001 D
	Date: May 2022	Job No: P/101086	Status: F1-Approved&Accepted
		Rev: V01	Sheet: 01 of 01

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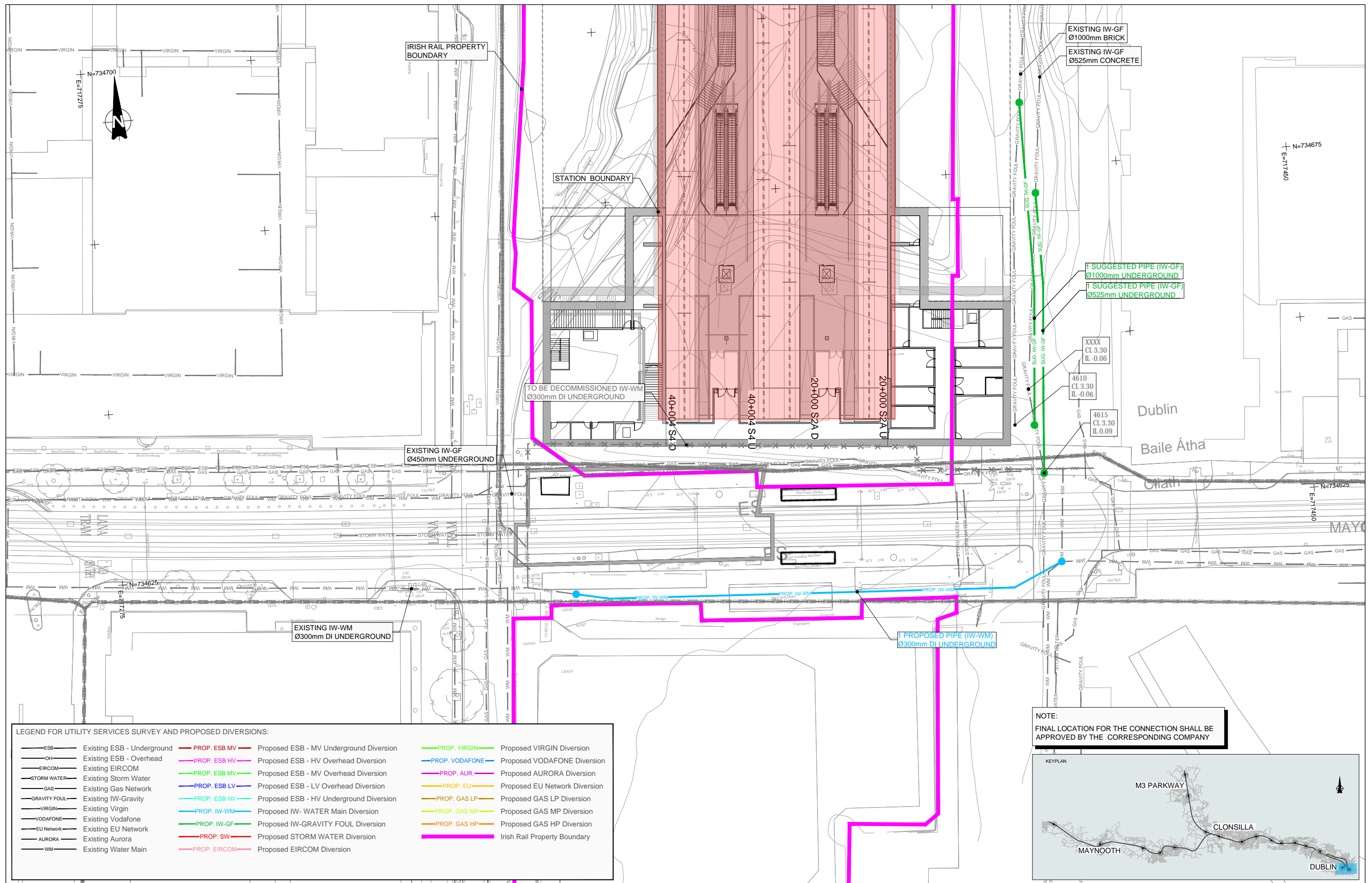


LEGEND IRISH WATER DIVERSIONS:

WM	WM	Existing IW- WATER	-X-X-X-X-X-	Existing Drainage 500mm Pumping Main Decommissioned
GRAVITY FOUL	GRAVITY FOUL	Existing IW-GRAVITY FOUL	- - - - -	Proposed Pumping Main
STORM WATER	STORM WATER	Existing STORM WATER	---	
- - - - -	- - - - -	Existing Drainage 500mm Pumping Main		
---	---	Existing Drainage Surface Water		
---	---	Existing Drainage Foul Water		
---	---	Irish Rail Property Boundary		

Client	Tionscail Éireann Project Ireland 2040			NTA			Iarnród Éireann Irish Rail		
Consultant	IDOM			G3			I-ROD		
Project	DART+ West								
Drawing Title	UTILITIES DIVERSION DOCKLANDS STATION PUMPED FOUL CONNECTION SITE MAP								
Scale:	1:500 @ A1								
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase	
May 2022	P/101086	F1-Approved&Accepted					0403	D	
Date:	Job No:	Status:	Rev:	Sheet 01 of 01					
May 2022	P/101086	F1-Approved&Accepted	V 01						

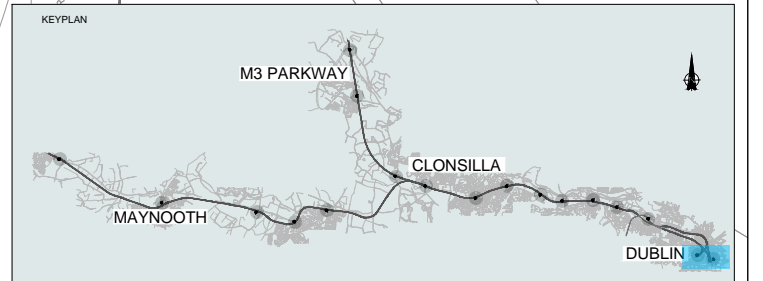
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LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:

— ESB —	Existing ESB - Underground	— PROP. ESB MV —	Proposed ESB - MV Underground Diversion	— PROP. VIRGIN —	Proposed VIRGIN Diversion
— OH —	Existing ESB - Overhead	— PROP. ESB HV —	Proposed ESB - HV Overhead Diversion	— PROP. VODAFONE —	Proposed VODAFONE Diversion
— EIRCOM —	Existing EIRCOM	— PROP. ESB MV —	Proposed ESB - MV Overhead Diversion	— PROP. AUR —	Proposed AURORA Diversion
— STORM WATER —	Existing Storm Water	— PROP. ESB LV —	Proposed ESB - LV Overhead Diversion	— PROP. EU —	Proposed EU Network Diversion
— GAS —	Existing Gas Network	— PROP. ESB HV —	Proposed ESB - HV Underground Diversion	— PROP. GAS LP —	Proposed GAS LP Diversion
— GRAVITY FOUL —	Existing IW-Gravity	— PROP. IW-WM —	Proposed IW- WATER Main Diversion	— PROP. GAS MP —	Proposed GAS MP Diversion
— VIRGIN —	Existing Virgin	— PROP. IW-GF —	Proposed IW-GRAVITY FOUL Diversion	— PROP. GAS HP —	Proposed GAS HP Diversion
— VODAFONE —	Existing Vodafone	— PROP. SW —	Proposed STORM WATER Diversion	— IRISH RAIL PROPERTY BOUNDARY —	Irish Rail Property Boundary
— EU NETWORK —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
FINAL LOCATION FOR THE CONNECTION SHALL BE APPROVED BY THE CORRESPONDING COMPANY



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Client

Thionscald Eireann Project Ireland 2040

NTA Údarás Náisiúnta Comairte Náisiúnta Tráspóirta

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

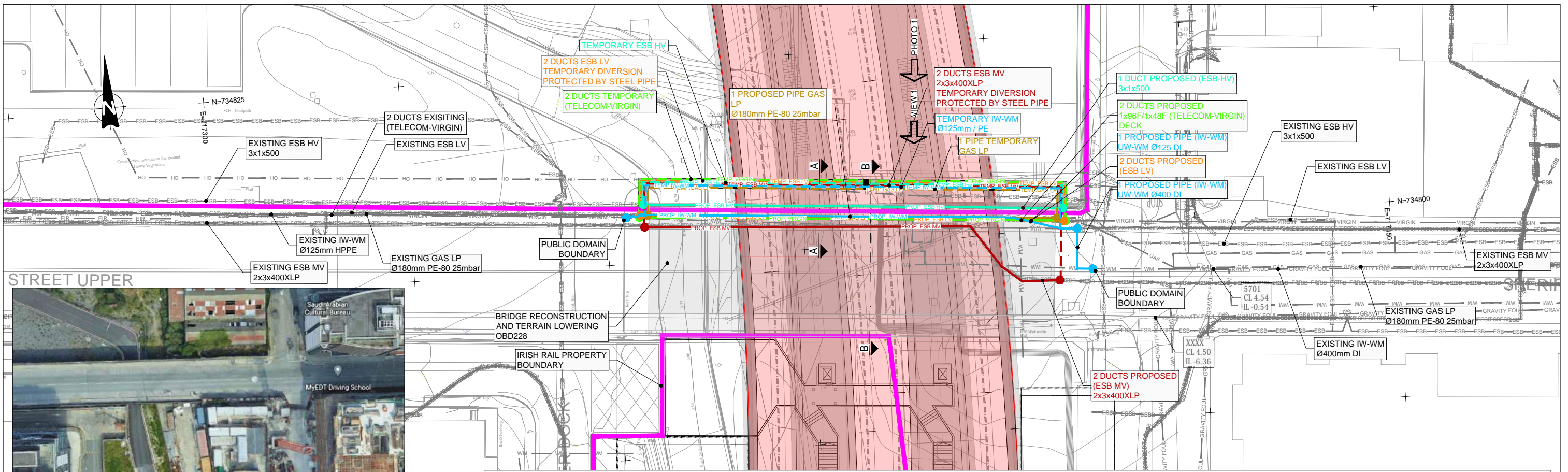
Drawing Title

UTILITIES DIVERSIONS
SPENCER DOCK STATION AND OBD228 - RECONSTRUCTION

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL RS01 DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved & Accepted | Rev: V 01 | Sheet: 01 of 03



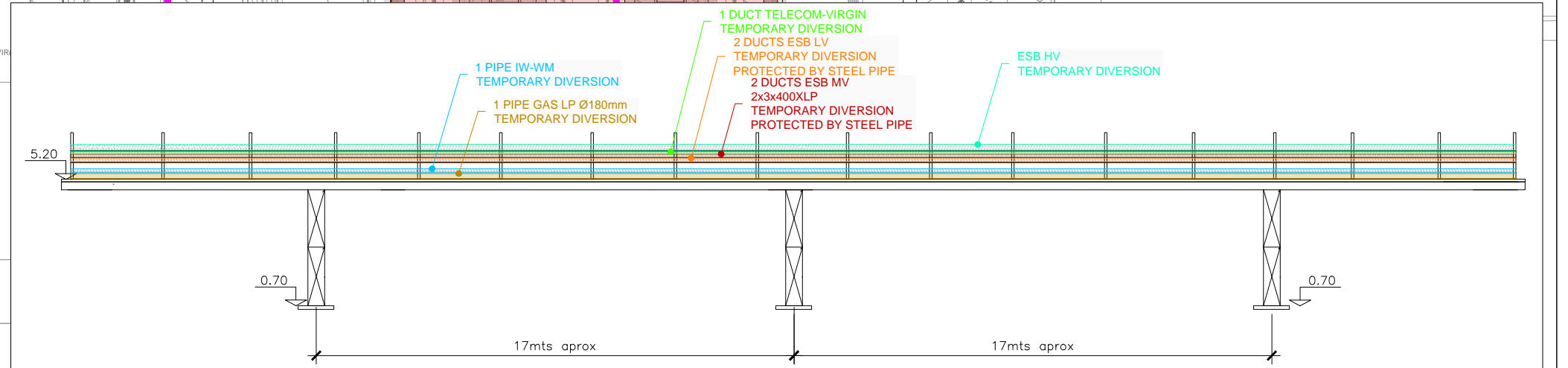
STREET UPPER



AERIAL PHOTO



PHOTO 1



VIEW 1
PROVISIONAL SCAFFOLDING FOR PIPE SUPPORT

LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:

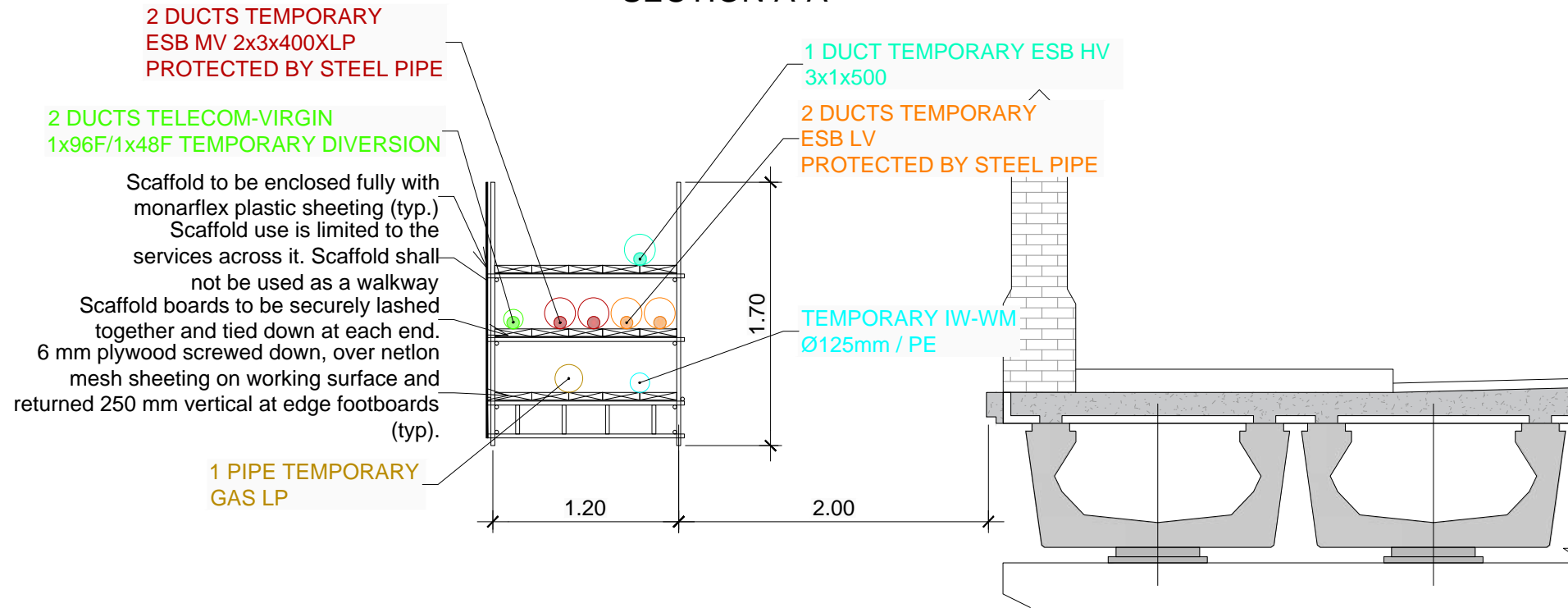
— ESB —	Existing ESB - Underground	— PROP. ESB MV —	Proposed ESB - MV Underground Diversion	— PROP. VIRGIN —	Proposed VIRGIN Diversion
— OH —	Existing ESB - Overhead	— PROP. ESB HV —	Proposed ESB - HV Overhead Diversion	— PROP. VODAFONE —	Proposed VODAFONE Diversion
— EIRCOM —	Existing EIRCOM	— PROP. ESB MV —	Proposed ESB - MV Overhead Diversion	— PROP. AUR —	Proposed AURORA Diversion
— STORM WATER —	Existing Storm Water	— PROP. ESB LV —	Proposed ESB - LV Overhead Diversion	— PROP. EU —	Proposed EU Network Diversion
— GAS —	Existing Gas Network	— PROP. ESB HV —	Proposed ESB - HV Underground Diversion	— PROP. GAS LP —	Proposed GAS LP Diversion
— GRAVITY FOUL —	Existing IW-Gravity	— PROP. IW-WM —	Proposed IW- WATER Main Diversion	— PROP. GAS MP —	Proposed GAS MP Diversion
— VIRGIN —	Existing Virgin	— PROP. IW-GF —	Proposed IW-GRAVITY FOUL Diversion	— PROP. GAS HP —	Proposed GAS HP Diversion
— VODAFONE —	Existing Vodafone	— PROP. SW —	Proposed STORM WATER Diversion	— IRISH RAIL PROPERTY BOUNDARY —	Irish Rail Property Boundary
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
FINAL LOCATION FOR THE CONNECTION SHALL BE APPROVED BY THE CORRESPONDING COMPANY

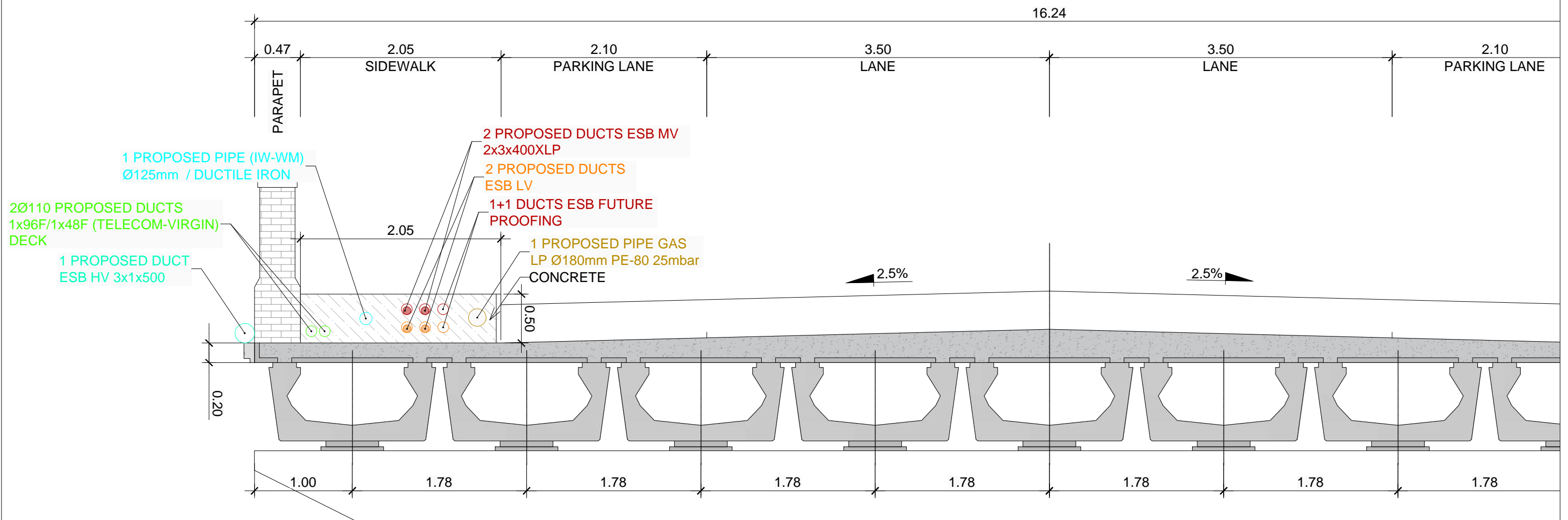


Client:			Project:			Drawing Title: UTILITIES DIVERSIONS SPENCER DOCK STATION AND OBD228 - RECONSTRUCTION		
Consultant:			Scale: 1:250 @ A1 			Drawing Number Project Originator Discipline Location Type Role Number Phase MAY MDC UTL RS01 DR Y 0001 D		
V 01 May 2022 PLANNING ISSUE REV. DATE DESCRIPTION JHC LA CCH PRODUCED BY REVIEWED BY APPROVED BY			Date: May 2022 Job No: P/101086 Status: F1-Approved & Accepted Rev: V 01 Sheet: 02 of 03					

SECTION A-A



SECTION B-B



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Client

Thionscatal Éireann Project Ireland 2040

NTA Údarás Náisiúnta Comair

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

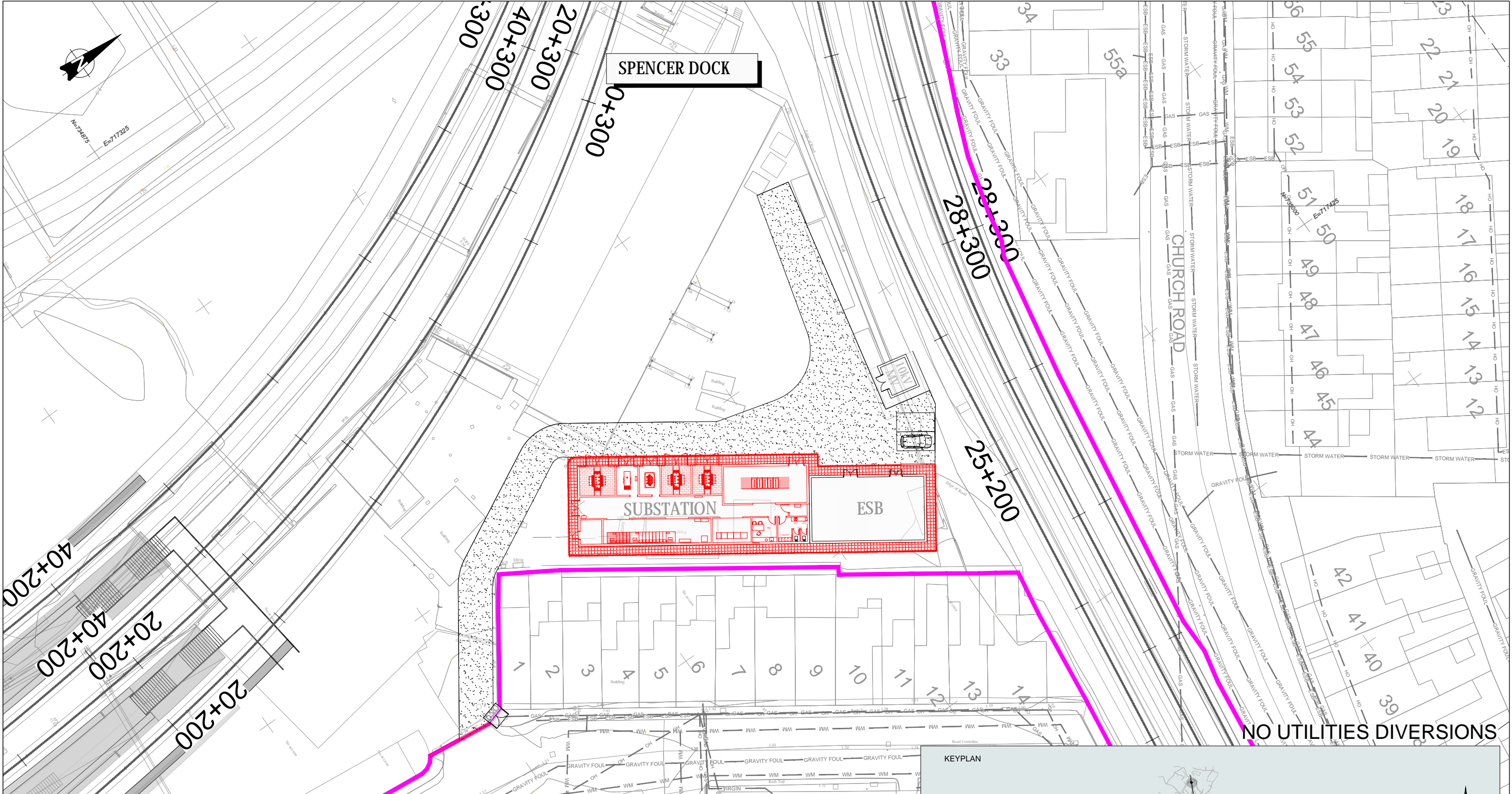
Drawing Title

UTILITIES DIVERSIONS
SPENCER DOCK STATION AND OBD228 - RECONSTRUCTION SECTIONS

Scale: 1:200 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL RS01 DR Y 0001 D

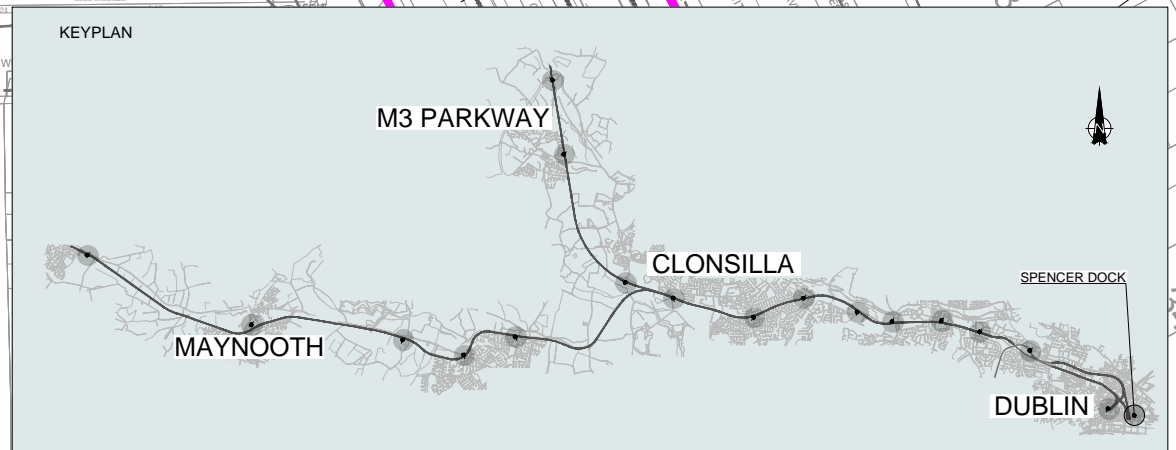
Date: May 2022 | Job No: P/101086 | Status: F1-Approved & Accepted | Rev: V 01 | Sheet: 03 of 03



NO UTILITIES DIVERSIONS

LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:

— ESB —	Existing ESB - Underground	— PROP. ESB MV —	Proposed ESB - MV Underground Diversion	— PROP. VIRGIN —	Proposed VIRGIN Diversion
— OH —	Existing ESB - Overhead	— PROP. ESB HV —	Proposed ESB - HV Overhead Diversion	— PROP. VODAFONE —	Proposed VODAFONE Diversion
— EIRCOM —	Existing EIRCOM	— PROP. ESB MV —	Proposed ESB - MV Overhead Diversion	— PROP. AUR —	Proposed AURORA Diversion
— STORM WATER —	Existing Storm Water	— PROP. ESB LV —	Proposed ESB - LV Overhead Diversion	— PROP. EU —	Proposed EU Network Diversion
— GAS —	Existing Gas Network	— PROP. ESB HV —	Proposed ESB - HV Underground Diversion	— PROP. GAS LP —	Proposed GAS LP Diversion
— GRAVITY FOUL —	Existing IW-Gravity	— PROP. IW-WM —	Proposed IW- WATER Main Diversion	— PROP. GAS MP —	Proposed GAS MP Diversion
— VIRGIN —	Existing Virgin	— PROP. IW-GF —	Proposed IW-GRAVITY FOUL Diversion	— PROP. GAS HP —	Proposed GAS HP Diversion
— VODAFONE —	Existing Vodafone	— PROP. SW —	Proposed STORM WATER Diversion	—	—
— EU Network —	Existing EU Network	— PROP. EIRCOM —	Proposed EIRCOM Diversion	—	—
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				



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Client

Thionscadal Éireann Project Ireland 2040

NTA Údarás Náisiúnta Comair Náisiúnta Tráspóirta

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

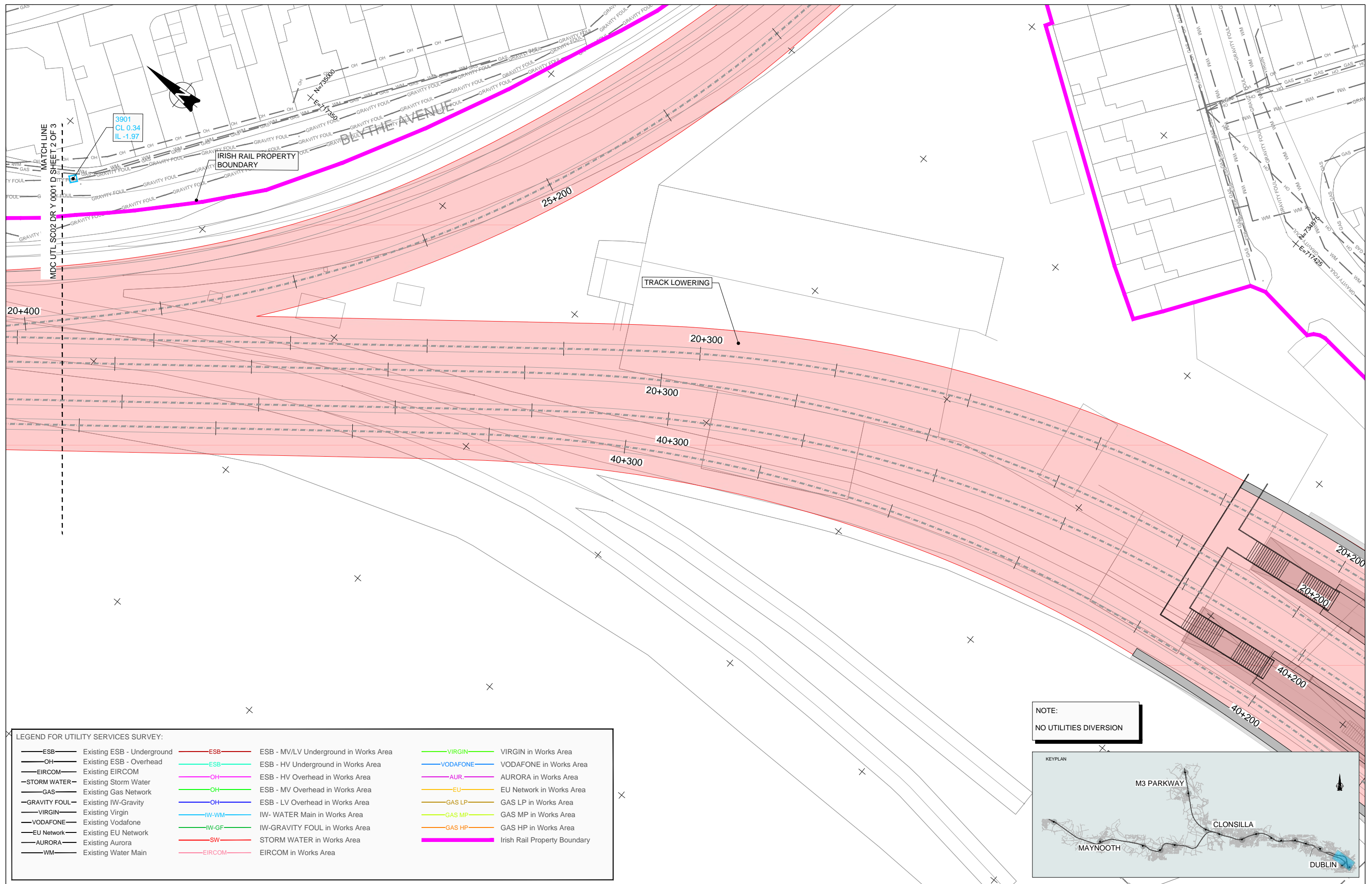
Drawing Title

UTILITIES DIVERSIONS
SPENCER DOCK SUBSTATION

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL RS01 DR Y 0002 D

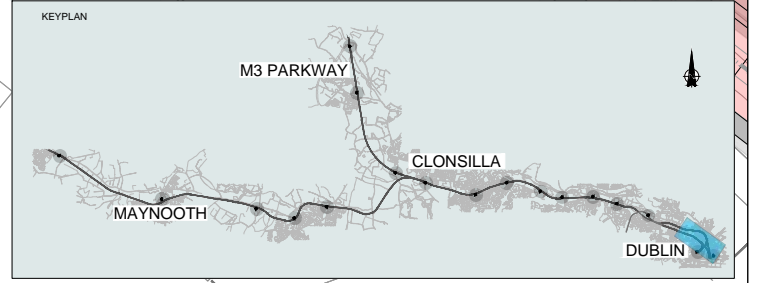
Date: May 2022 | Job No: P/101086 | Status: F1-Approved & Accepted | Rev: V 01 | Sheet: 01 of 01



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— IRISH RAIL —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



V 01	May 2022	PLANNING ISSUED	JHC	LA	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Thionscald Éireann Project Ireland 2040

NTA Údarás Náisiúnta Comair Náisiúnta Aerlíneacha

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

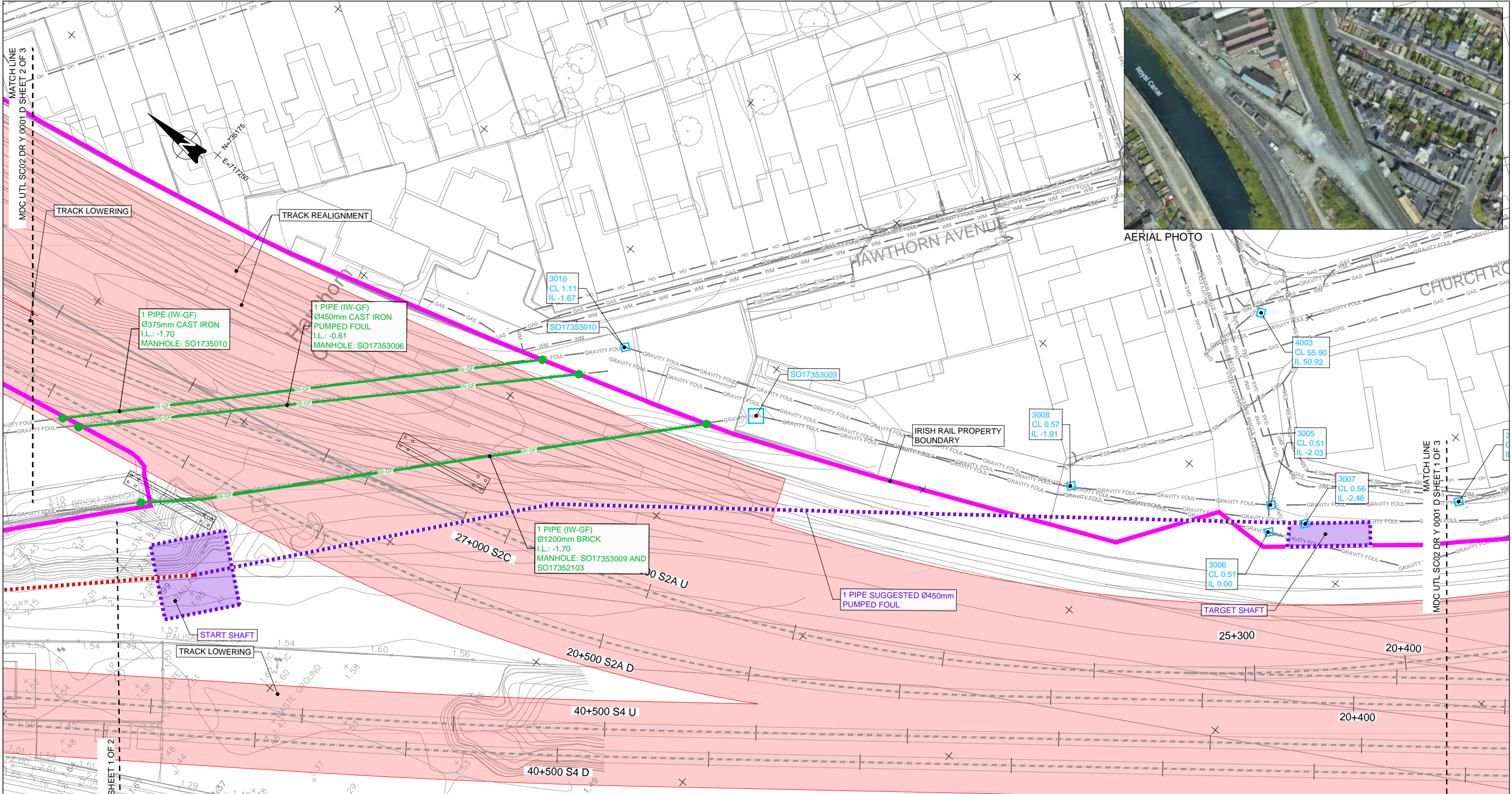
Drawing Title

UTILITIES DIVERSIONS
SPENCER DOCK OBO-36
TRACK LOWERING

Scale: 1:250 @ A1

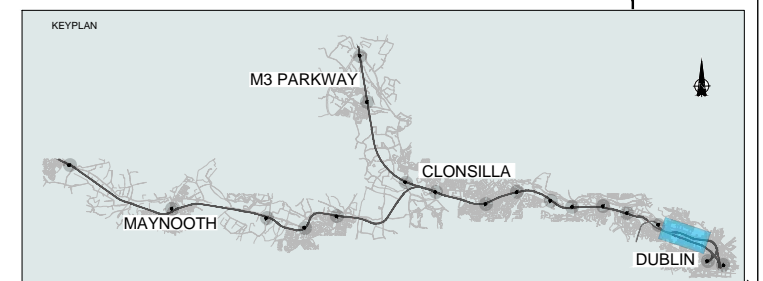
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL SC02 DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 03



LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:

— ESB —	Existing ESB - Underground	— PROP. ESB MV —	Proposed ESB - MV Underground Diversion	— PROP. VIRGIN —	Proposed VIRGIN Diversion
— OH —	Existing ESB - Overhead	— PROP. ESB HV —	Proposed ESB - HV Overhead Diversion	— PROP. VODAFONE —	Proposed VODAFONE Diversion
— EIRCOM —	Existing EIRCOM	— PROP. ESB MV —	Proposed ESB - MV Overhead Diversion	— PROP. AUR —	Proposed AURORA Diversion
— STORM WATER —	Existing Storm Water	— PROP. ESB LV —	Proposed ESB - LV Overhead Diversion	— PROP. EU —	Proposed EU Network Diversion
— GAS —	Existing Gas Network	— PROP. ESB HV —	Proposed ESB - HV Underground Diversion	— PROP. GAS LP —	Proposed GAS LP Diversion
— GRAVITY FOUL —	Existing IW-Gravity	— PROP. IW-WM —	Proposed IW-WATER Main Diversion	— PROP. GAS MP —	Proposed GAS MP Diversion
— VIRGIN —	Existing Virgin	— PROP. IW-GF —	Proposed IW-GRAVITY FOUL Diversion	— PROP. GAS HP —	Proposed GAS HP Diversion
— VODAFONE —	Existing Vodafone	— PROP. SW —	Proposed STORM WATER Diversion	—	—
— EU NETWORK —	Existing EU Network	— PROP. EIRCOM —	Proposed EIRCOM Diversion	—	—
— AURORA —	Existing Aurora	—	—	—	—
— WM —	Existing Water Main	—	—	—	—
		—	—	—	—
		—	—	—	—
		—	—	—	—



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Client

Thionscald Eireann Project Ireland 2040

NTA

Iarnród Eireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

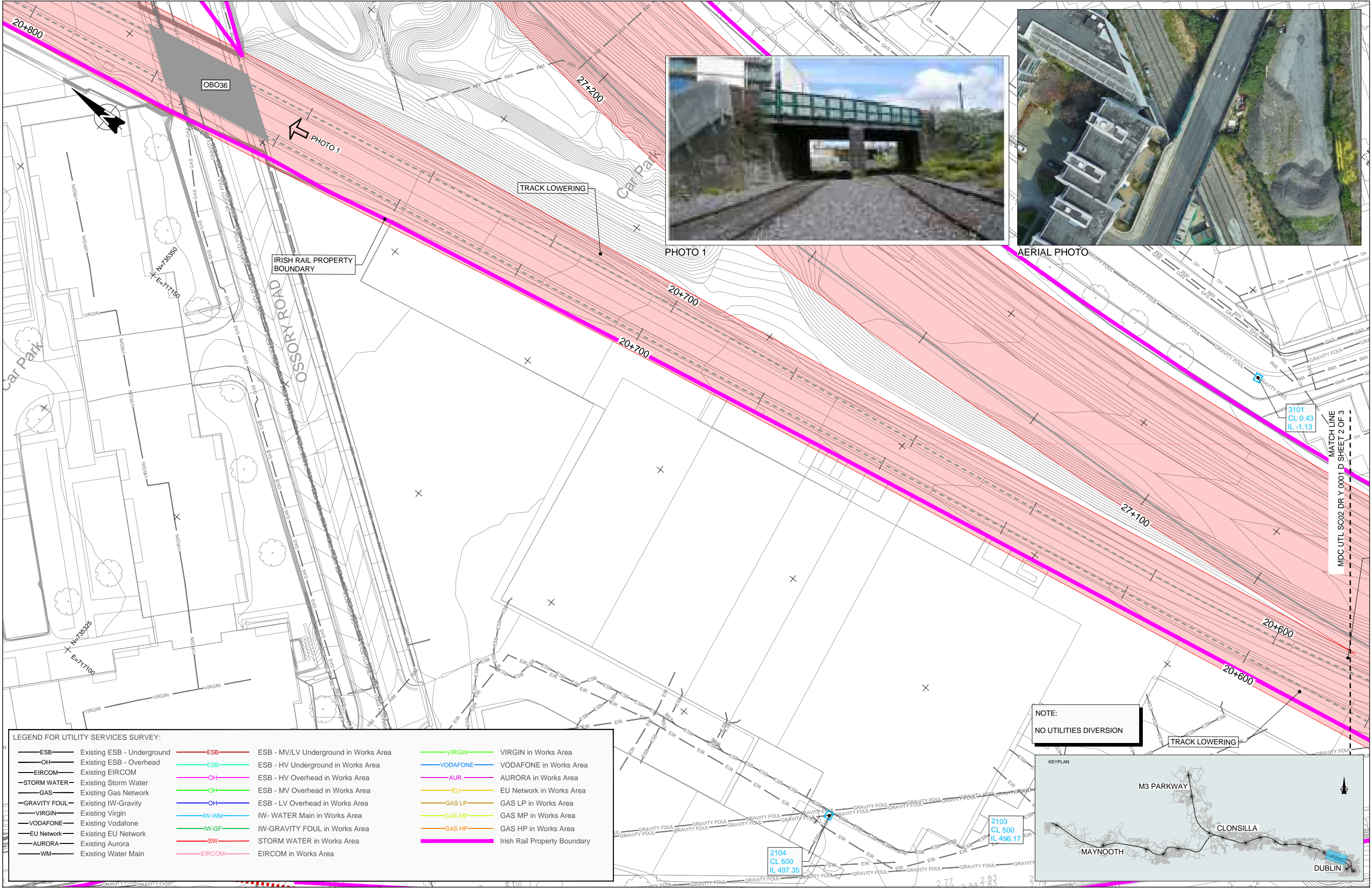
Drawing Title

UTILITIES DIVERSIONS
SPENCER DOCK OBO-36
TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL SC02 DR Y 0001 D

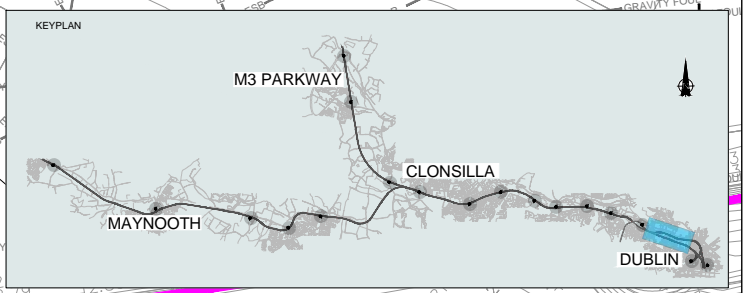
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 03



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— EIRCOM —	Irish Rail Property Boundary
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



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REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Consultant

Project

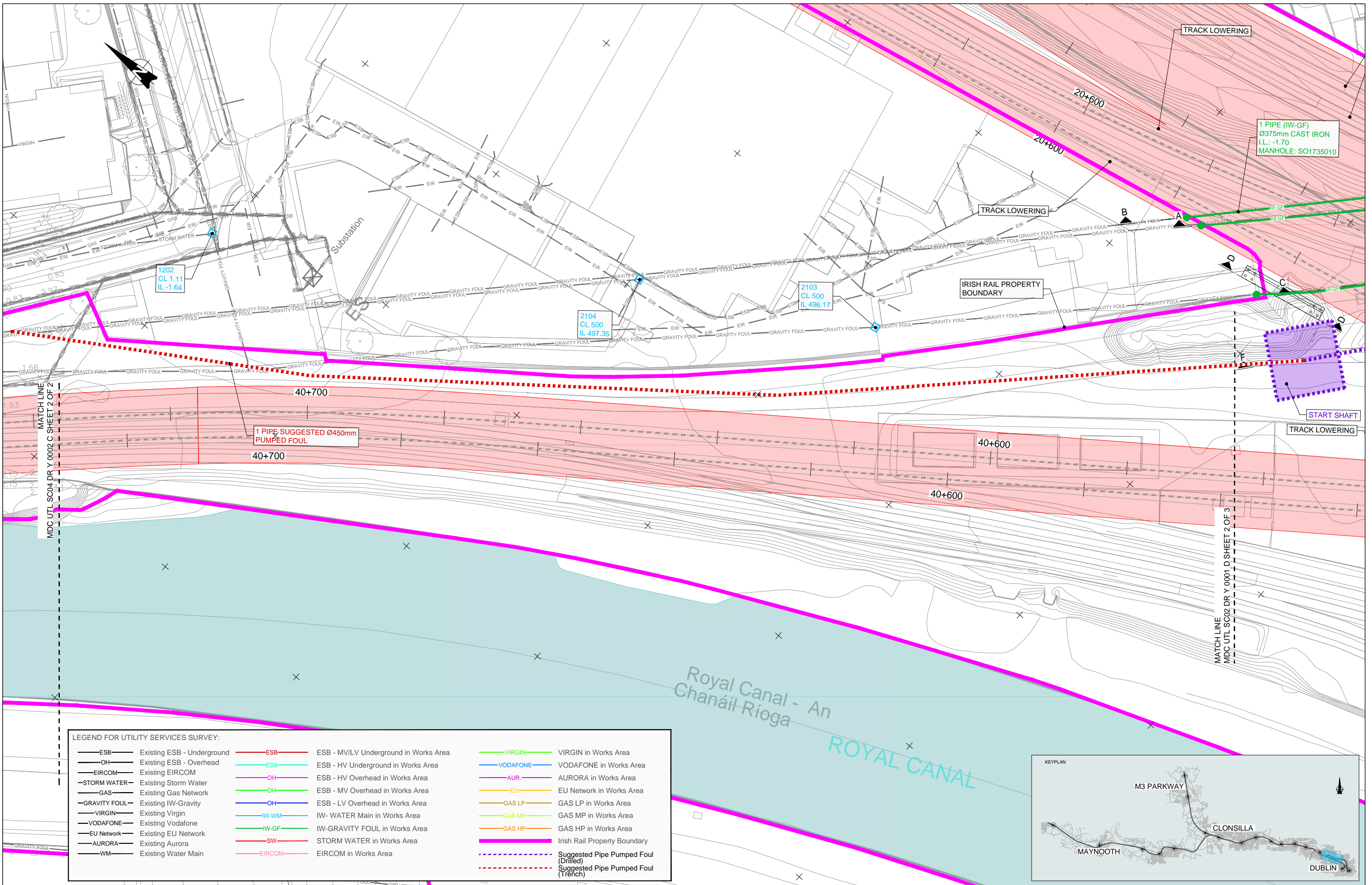
Drawing Title

**UTILITIES DIVERSIONS
SPENCER DOCK OBO-36
TRACK LOWERING**

Scale: 1:250 @ A1

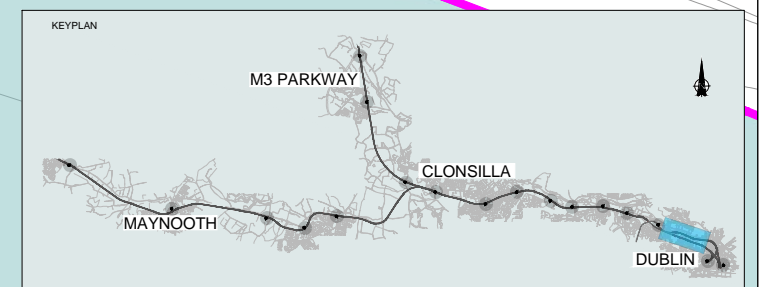
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC UTL SC02 DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 03 of 03



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - MV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area	— —	Suggested Pipe Pumped Foul (Drilled)
— AURORA —	Existing Aurora			— —	Suggested Pipe Pumped Foul (Trench)
— WM —	Existing Water Main				



REV.	DATE	DESCRIPTION	JHC	LA	CCH
V 01	May 2022	Planning Issue			

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Client: **Tionscail Éireann Project Ireland 2040**

Consultant: **IDOM**

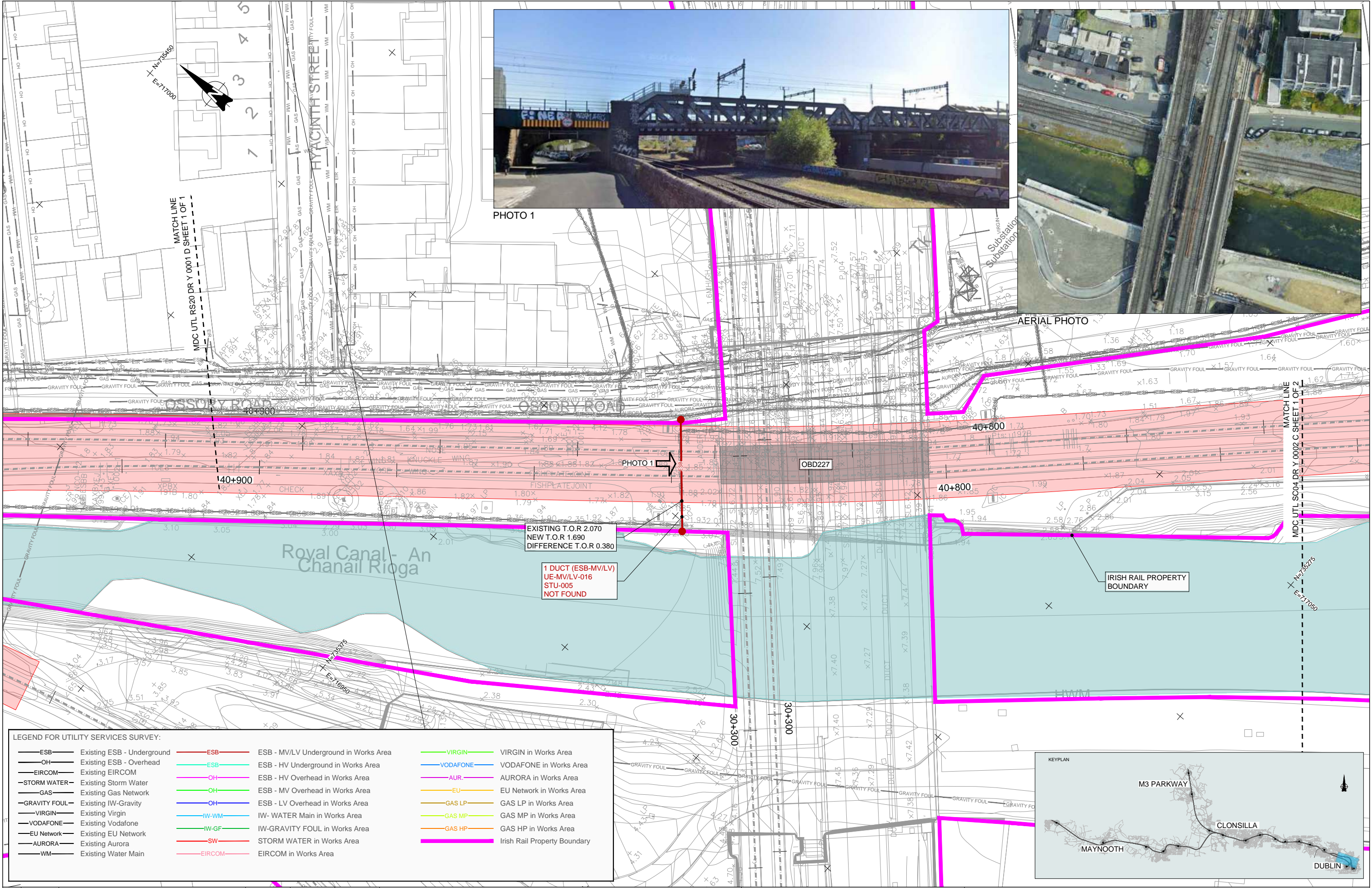
Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD227 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC04 DR Y 0002 D**

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 02



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		

V 01	May 2022	Planning Issue	JHC	LA	CCH
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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

Client: **Thionscail Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

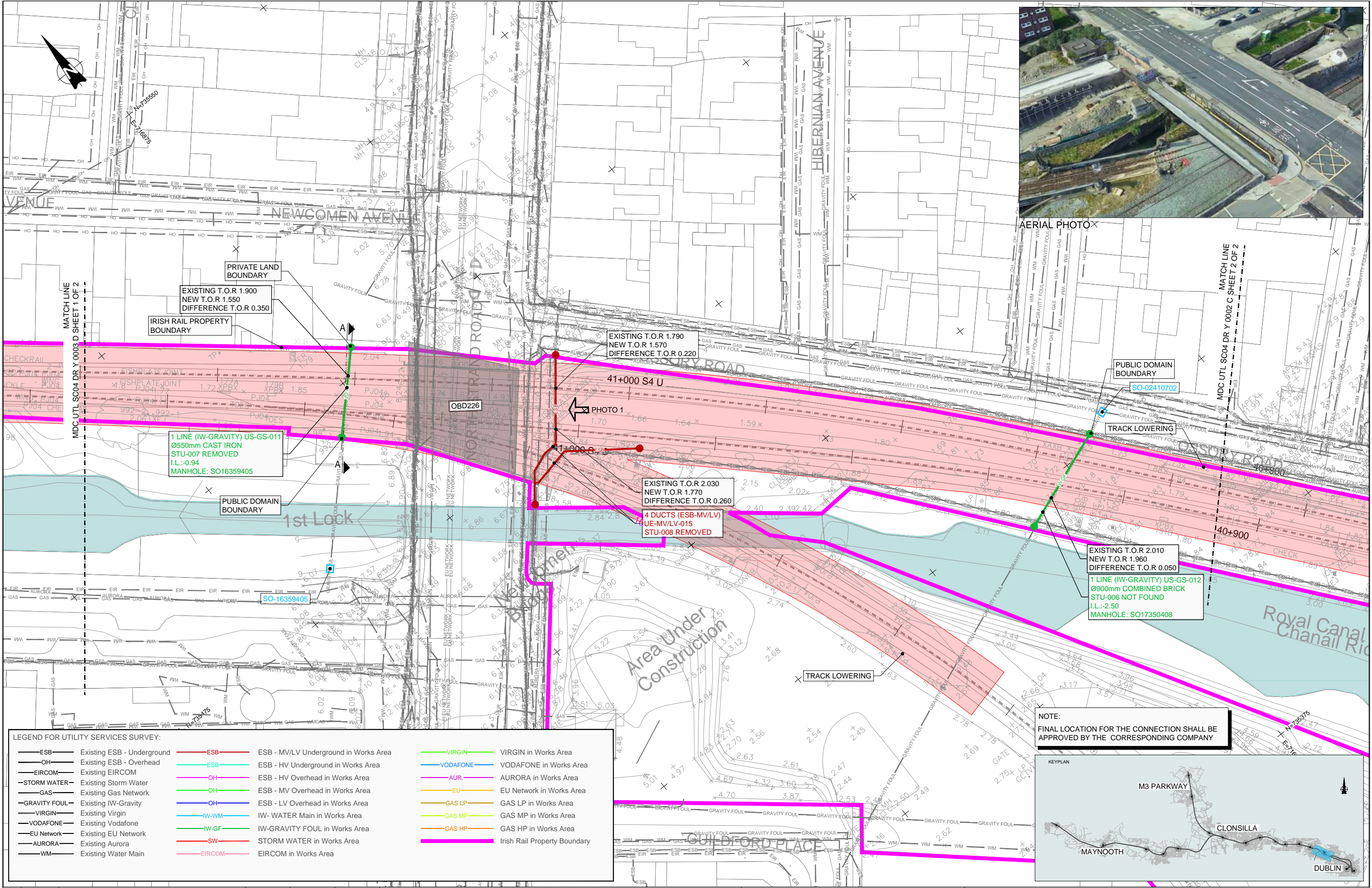
Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD227 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC04 DR Y 0002 D**

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 02



AERIAL PHOTO

EXISTING T.O.R 1.900
NEW T.O.R 1.550
DIFFERENCE T.O.R 0.350

EXISTING T.O.R 1.790
NEW T.O.R 1.570
DIFFERENCE T.O.R 0.220

EXISTING T.O.R 2.030
NEW T.O.R 1.770
DIFFERENCE T.O.R 0.260

EXISTING T.O.R 2.010
NEW T.O.R 1.960
DIFFERENCE T.O.R 0.050

1 LINE (IW-GRAVITY) US-GS-011
Ø550mm CAST IRON
STU-007 REMOVED
I.L.: -0.94
MANHOLE: SO16359405

4 DUCTS (ESB-MV/LV)
UE-MV/LV-015
STU-008 REMOVED

1 LINE (IW-GRAVITY) US-GS-012
Ø900mm COMBINED BRICK
STU-006 NOT FOUND
I.L.: -2.50
MANHOLE: SO17350408

NOTE:
FINAL LOCATION FOR THE CONNECTION SHALL BE APPROVED BY THE CORRESPONDING COMPANY

LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— IRISH RAIL —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				



V 01	May 2022	PLANNING ISSUED	JHC	LA	CCH
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Client

Consultant

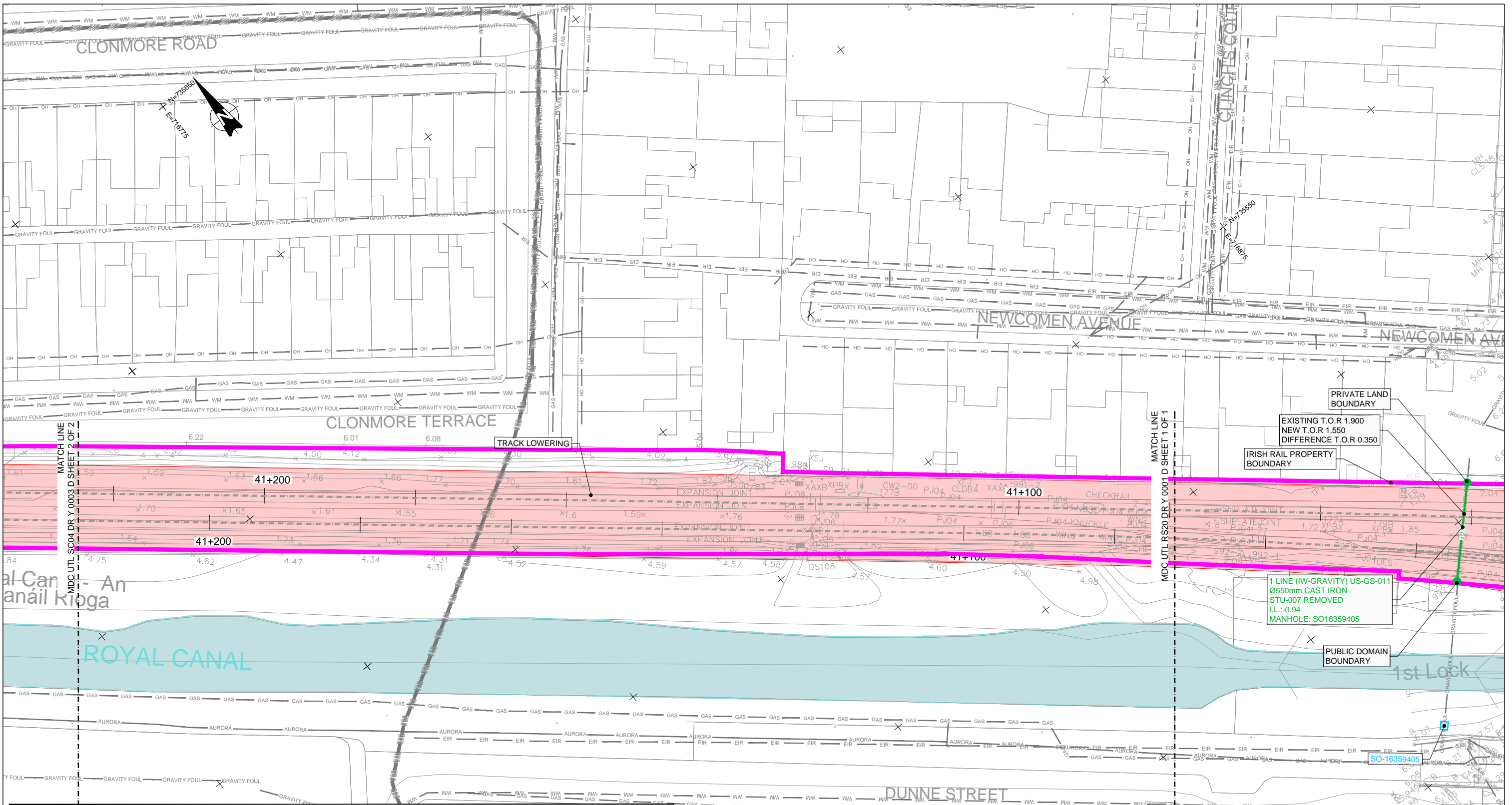
Project

Drawing Title

Scale: 1:250 @ A1

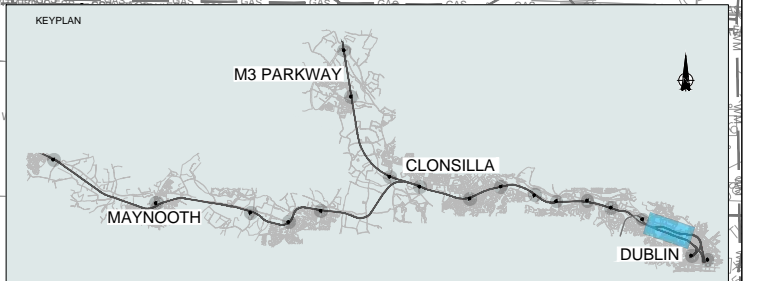
UTILITIES DIVERSIONS
OBD226
TRACK LOWERING

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY MDC UTL RS20 DR Y 0001 D								
Date:	Job No:	Status:	Rev:	Sheet				
May 2022	P/101086	F1-Approved&Accepted	V 01	01 of 01				



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— IRISH RAIL — Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		



Client	Thomascadal Éireann Project Ireland 2040		
Consultant	IDOM		
Project	DART+ West		
Drawing Title	UTILITIES DIVERSIONS OBD25 TRACK LOWERING		
Scale:	1:250 @ A1		
Drawing Number	Project	Originator	Discipline
May 2022	P/101086	F1-Approved&Accepted	
REV. DATE DESCRIPTION	JHC LA CCH	PRODUCED BY REVIEWED BY APPROVED BY	
V 01 May 2022 Planning Issue	JHC LA CCH		

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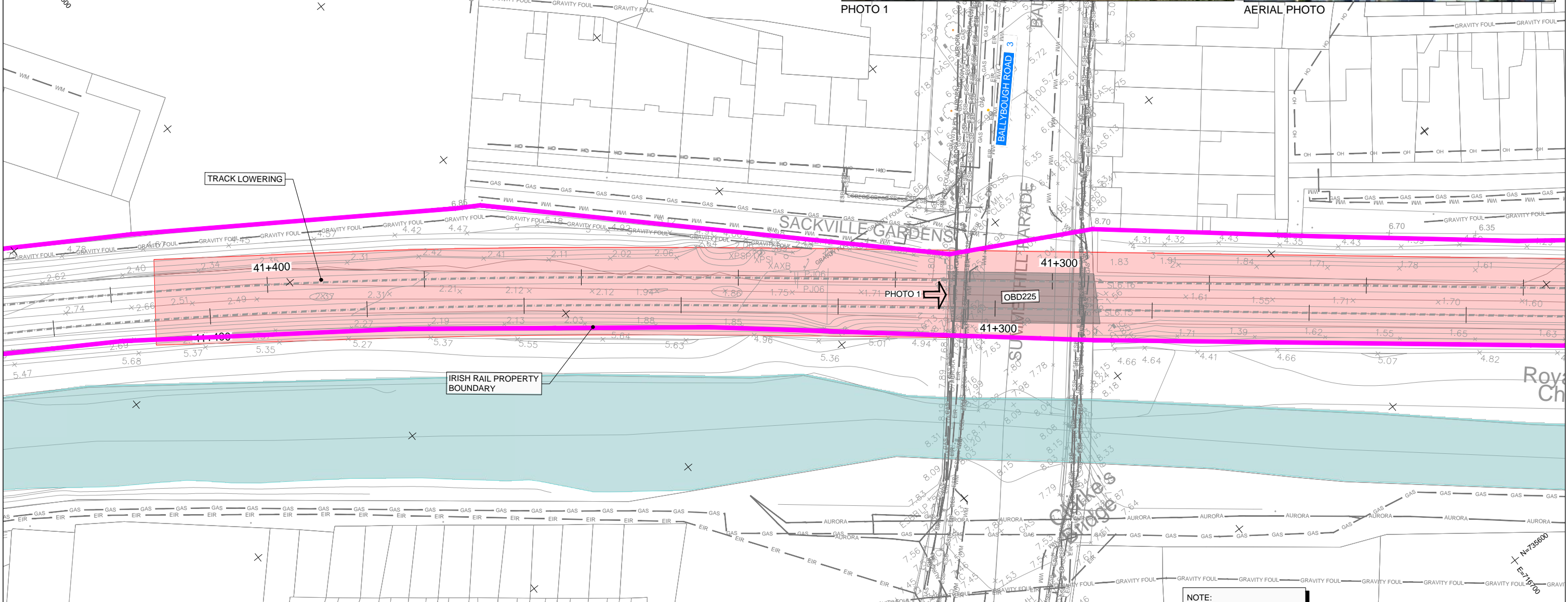
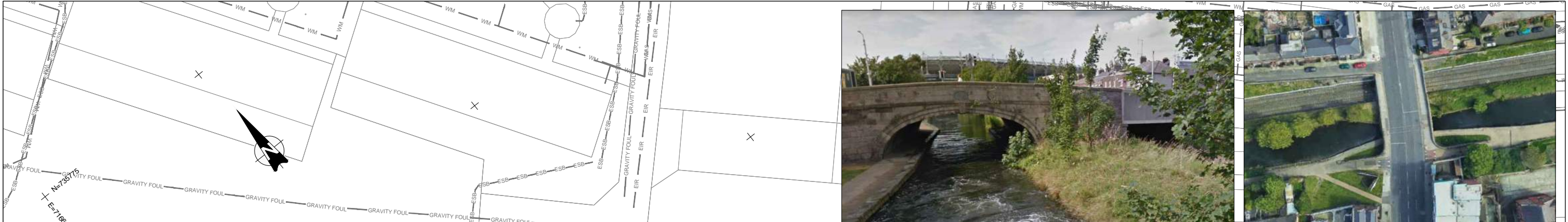
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All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG0).

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC UTL SC04 DR Y 0003 D

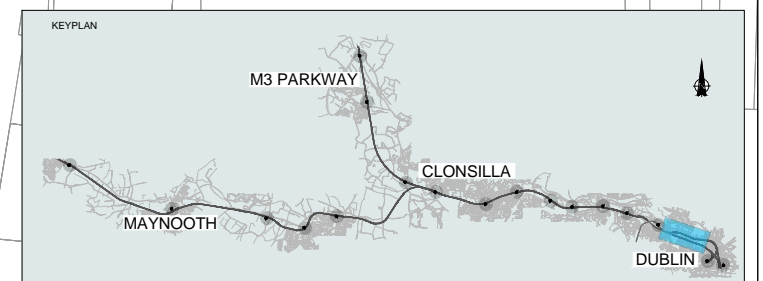
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 02



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR. —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— IRISH RAIL —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



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Client: **Thionscadal Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD225 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC04 DR Y 0003 D**

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 02

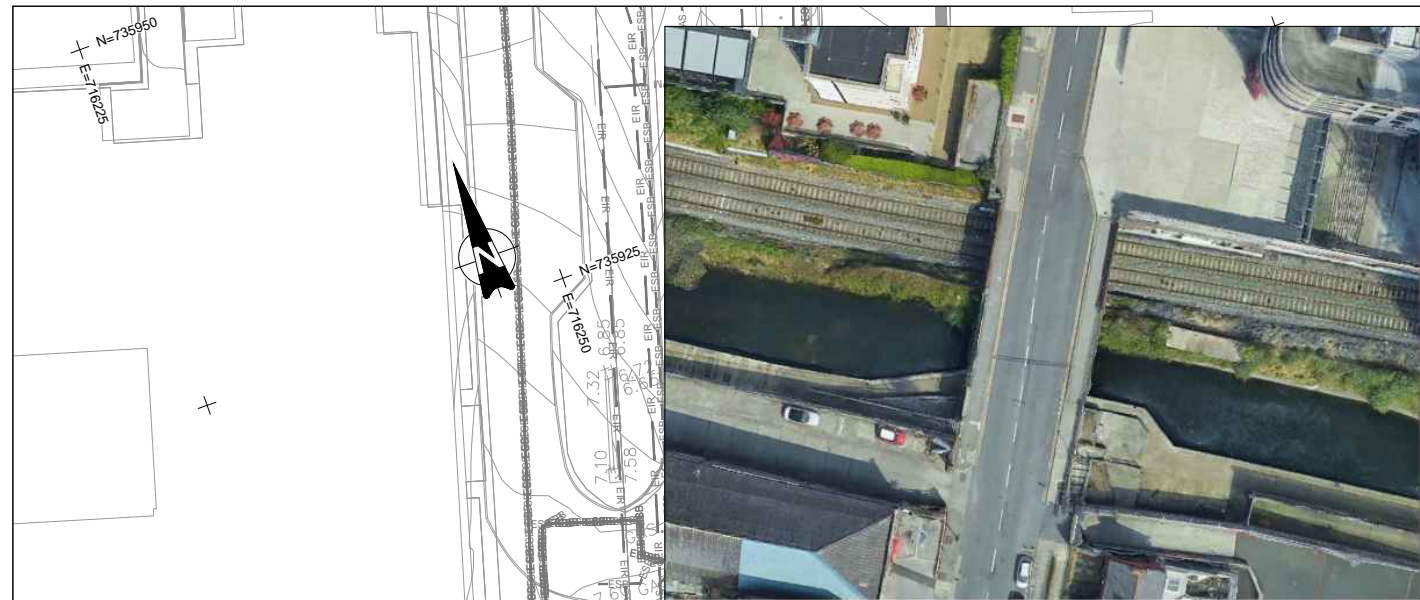
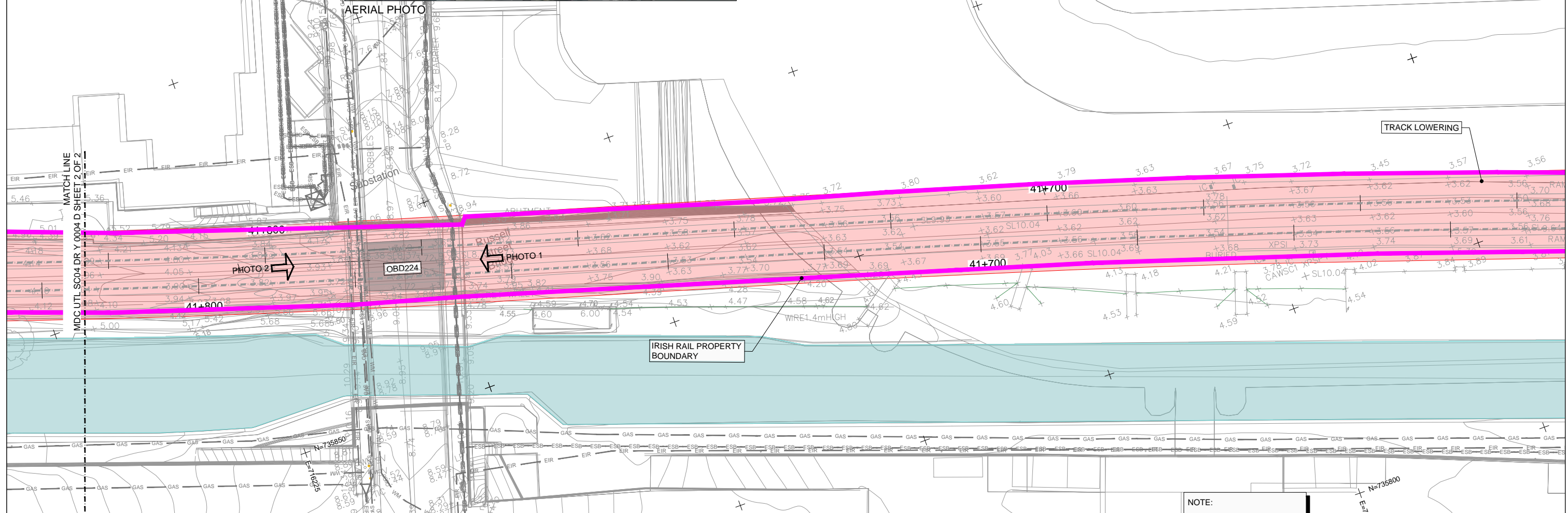


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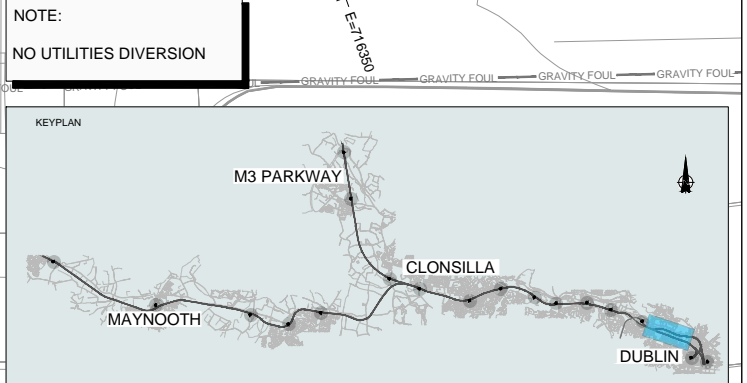


PHOTO 1



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— EIRCOM —	EIRCOM in Works Area
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				



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Client: **Thionscail Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

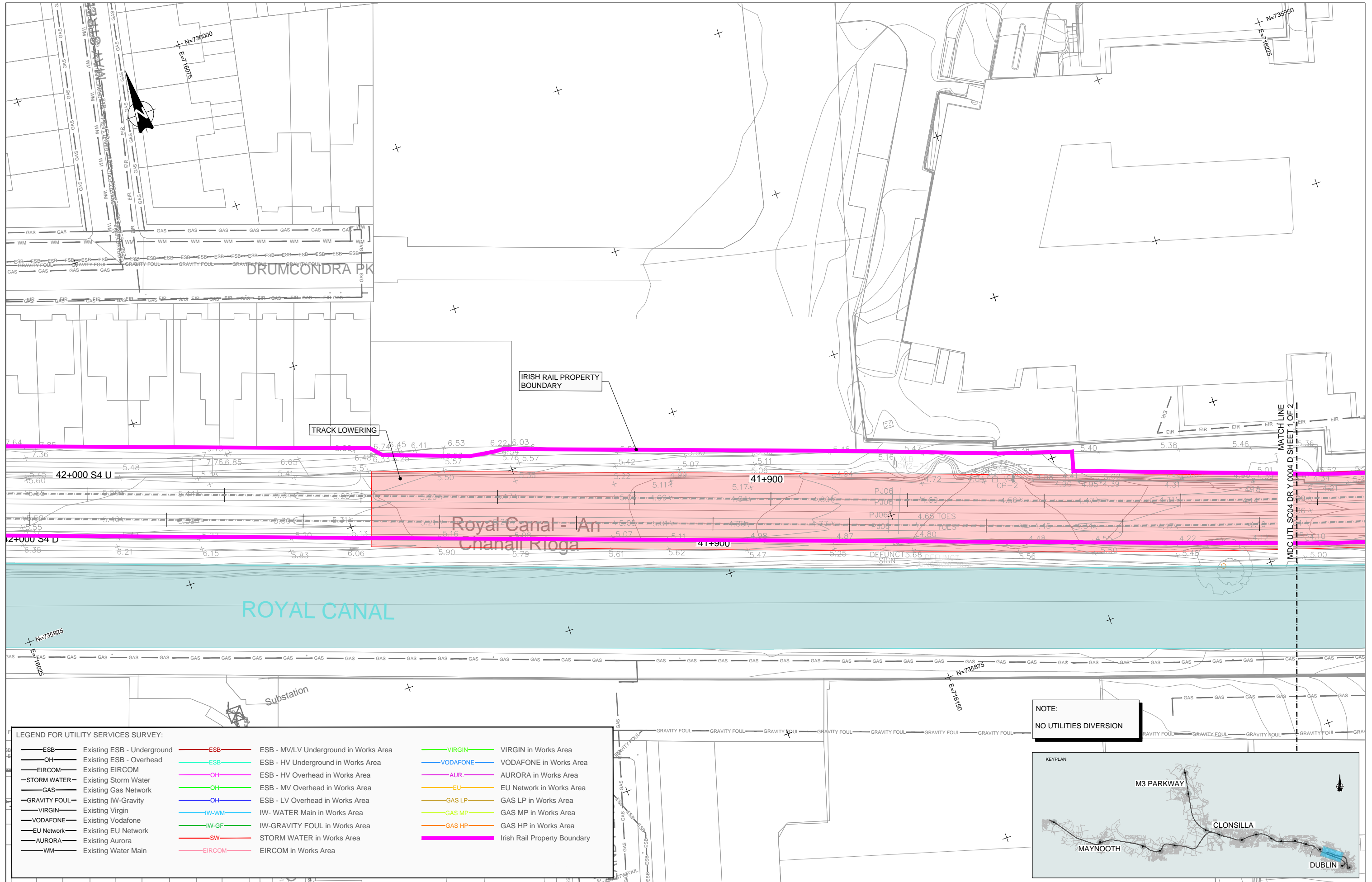
Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD224 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC UTL SC04 DR Y 0004 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 02



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— EIRCOM —	EIRCOM in Works Area
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



V 01	May 2022	Planning Issue	JHC	LA	CCH
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Client

Consultant

Project

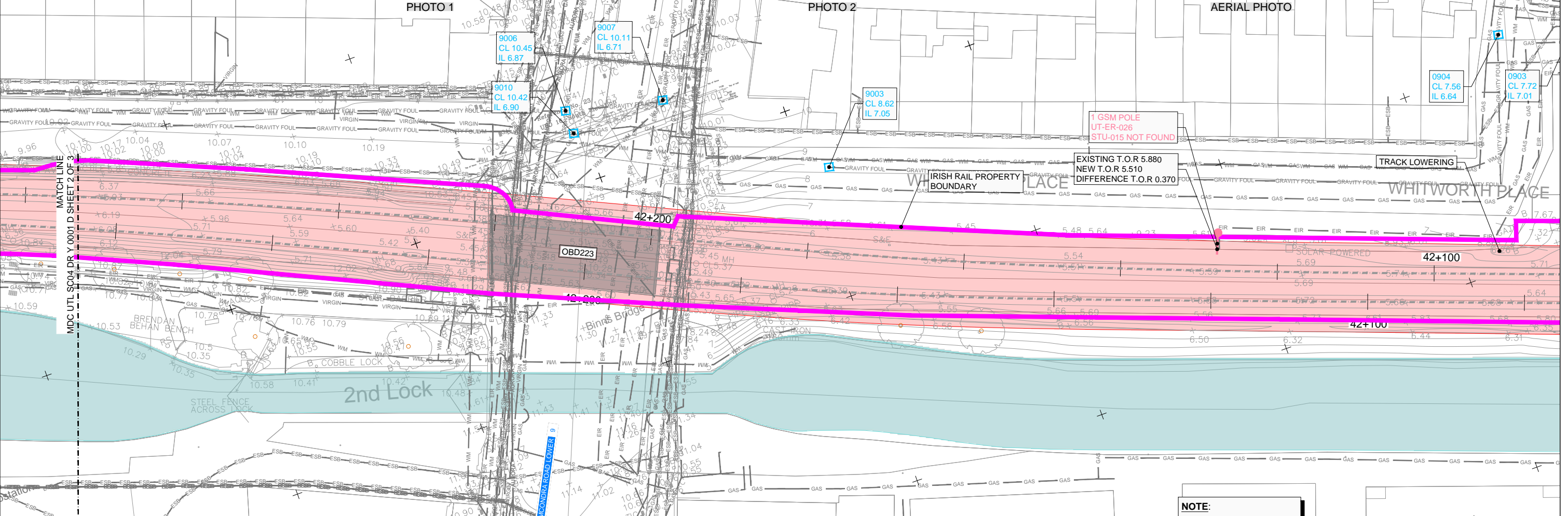
Drawing Title

**UTILITIES DIVERSIONS
OBD224 TRACK LOWERING**

Scale: 1:250 @ A1

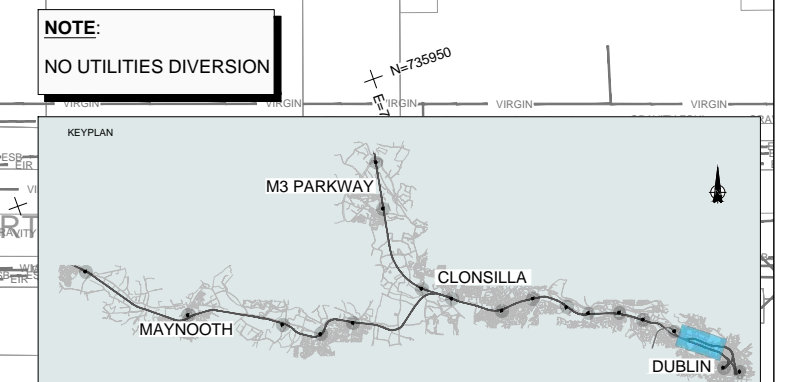
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC UTL SC04 DR Y 0004 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 02

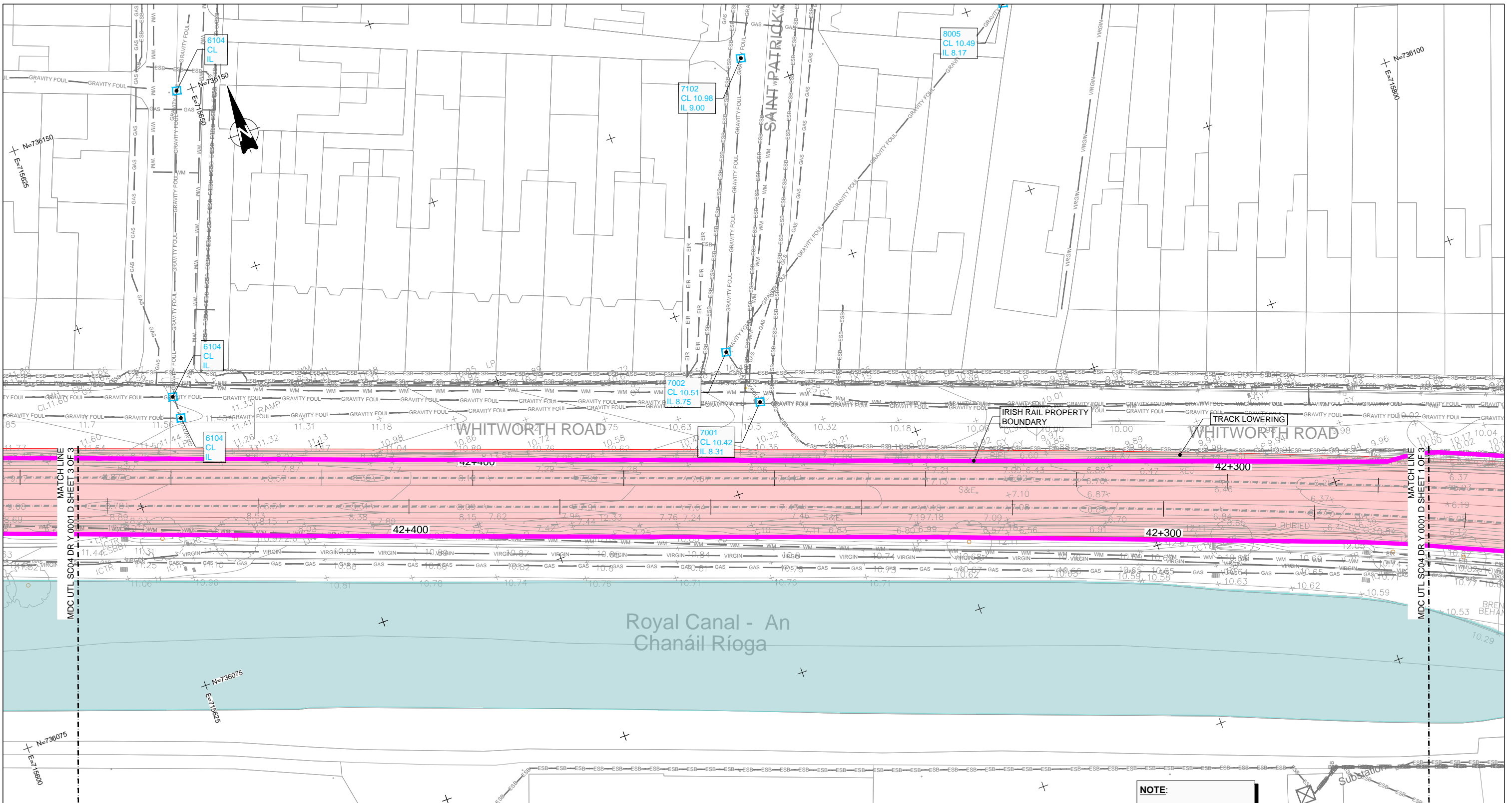


LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— IRISH RAIL — Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		



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Consultant 	Scale: 1:250 @ A1 	Drawing Number Project Originator Discipline Location Type Role Number Phase MAY MDC UTL SC04 DR Y 0001 D	Date: May 2022 Job No: P/101086 Status: F1-Approved&Accepted Rev: V 01 Sheet: 01 of 03



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— EIRCOM —	EIRCOM in Works Area
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



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Client

Thionscald Eireann Project Ireland 2040

NTA Udarás Náisiúnta Comair Náisiúnta

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

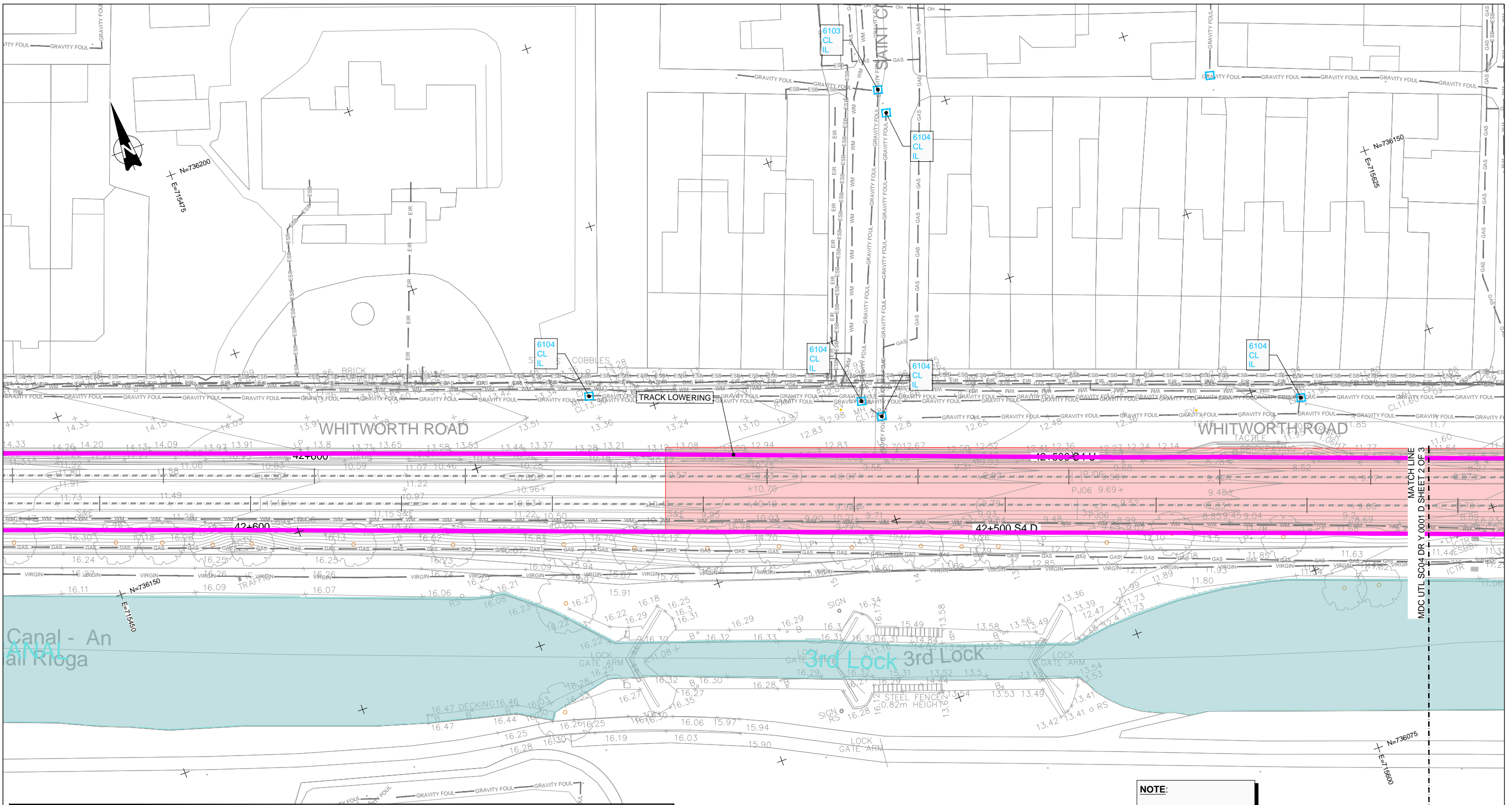
Drawing Title

UTILITIES DIVERSIONS
OBD23 TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL SC04 DR Y 0001 D

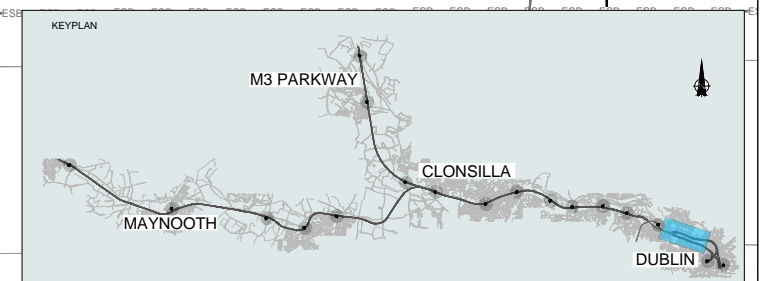
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 03



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— EIRCOM — Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		

NOTE:
NO UTILITIES DIVERSION



V 01	May 2022	Planning Issue	JHC	LA	CCH
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Client

Thionscail Éireann Project Ireland 2040

NTA

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

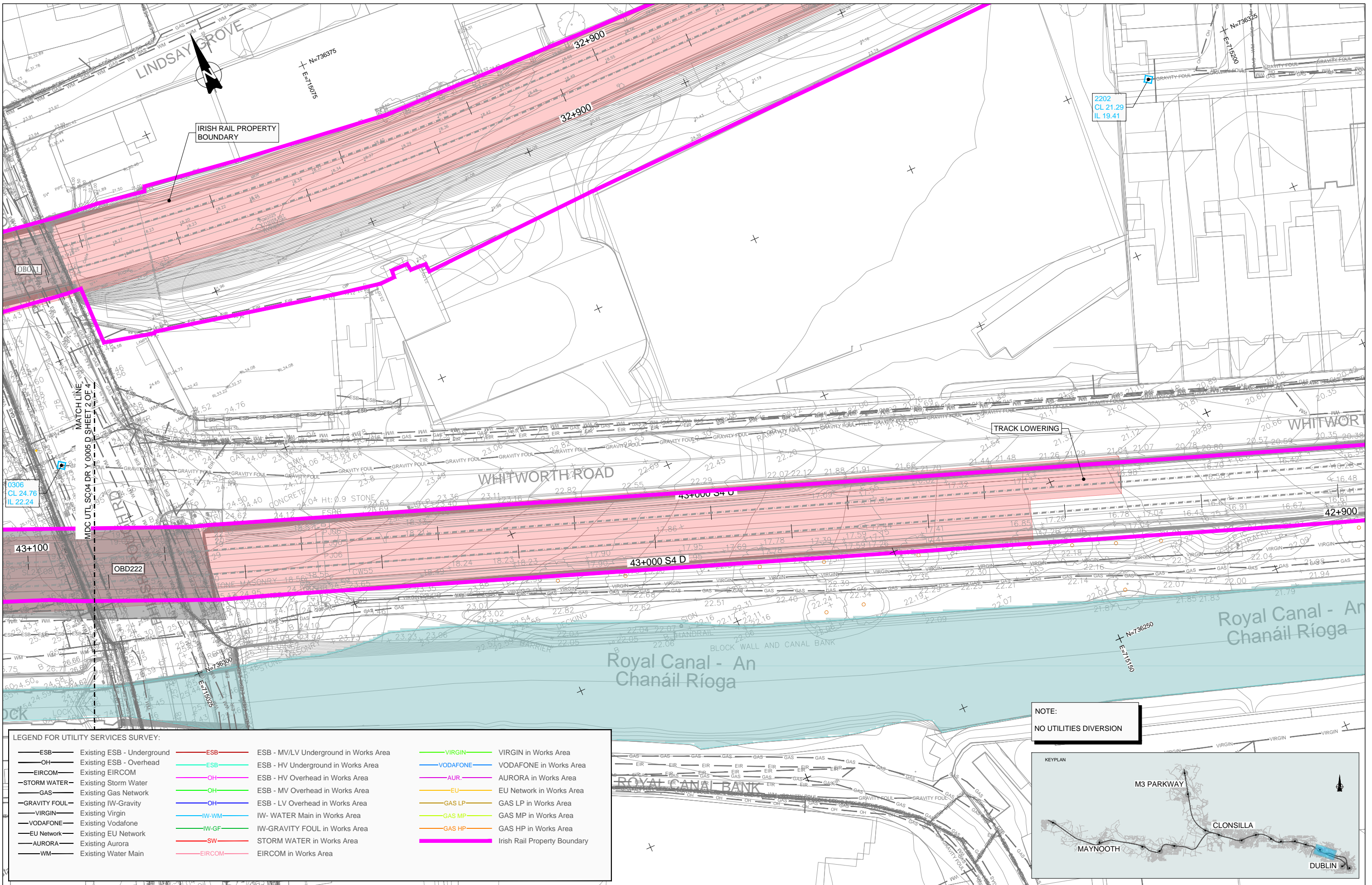
Drawing Title

UTILITIES DIVERSIONS
OBD23 TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL SC04 DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 03 of 03



2202
CL 21.29
IL 19.41

IRISH RAIL PROPERTY
BOUNDARY

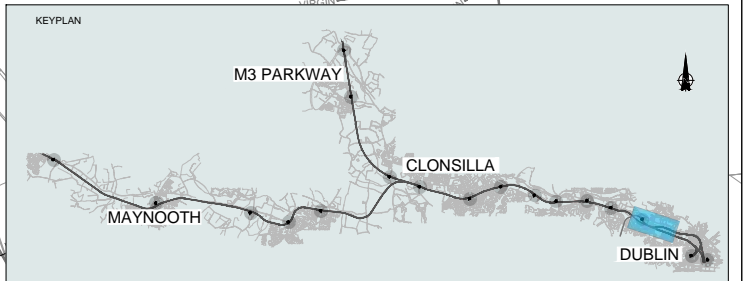
TRACK LOWERING

WHITWORTH ROAD

Royal Canal - An
Chanáil Ríoga

Royal Canal - An
Chanáil Ríoga

NOTE:
NO UTILITIES DIVERSION



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		

V 01	May 2022	Planning Issue	JHC	LA	CCH
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Client

Thionscald Eireann
Project Ireland
2040

NTA
Udarás Náisiúnta Comair
Údarás Náisiúnta Comair

Iarnród Éireann
Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+
West

Drawing Title

UTILITIES DIVERSIONS
OBD221-OBD222 TRACK LOWERING

Scale:
1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC UTL SC04 DR Y 0005 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 04

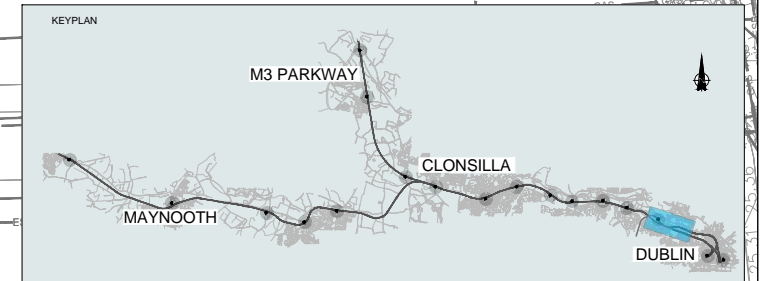


AERIAL PHOTO TRACK LOWERING PHOTO 1

LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		

NOTE:
NO UTILITIES DIVERSION



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Client: **Tionscail Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

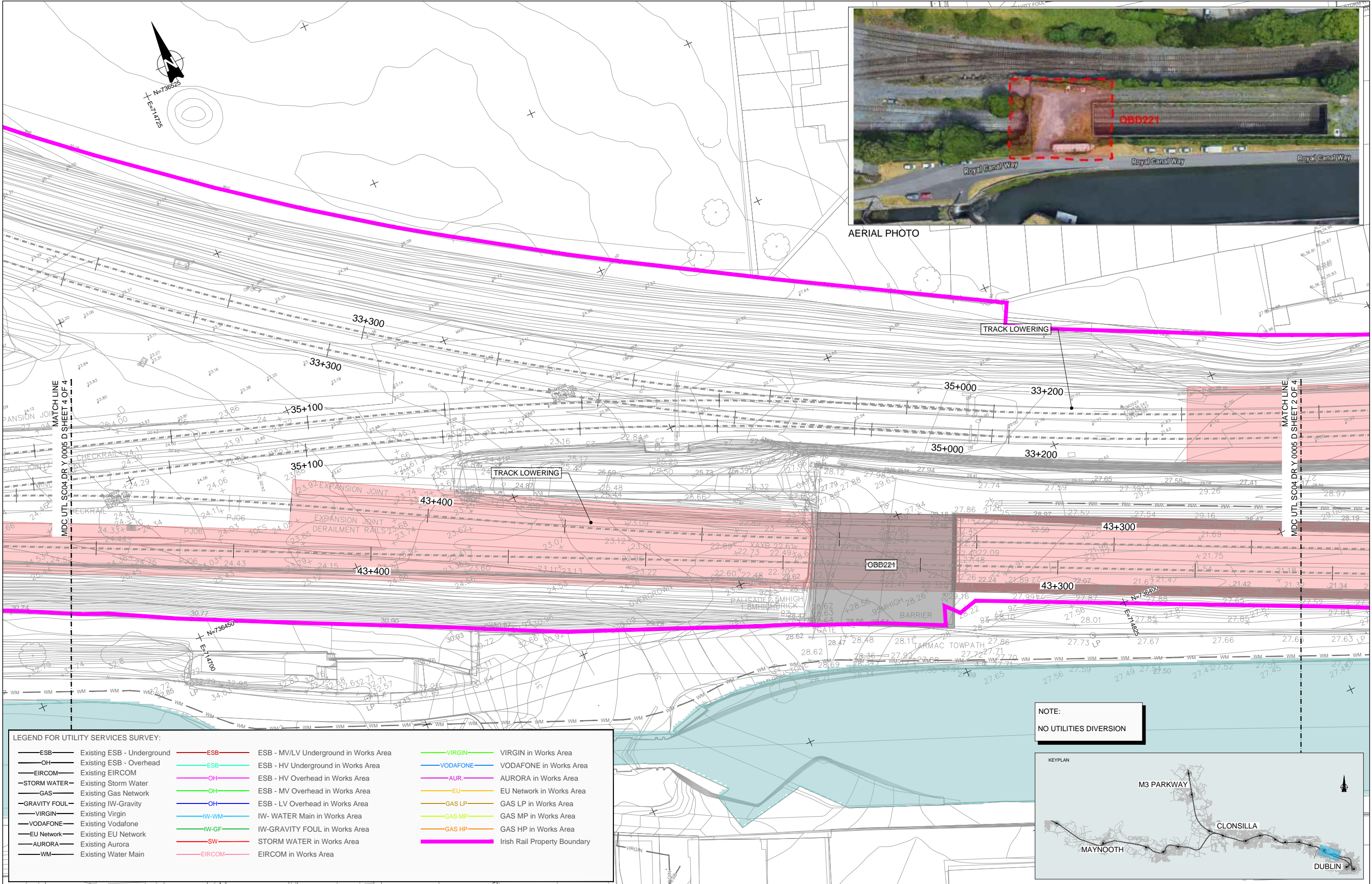
Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD221-OBD222 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC UTL SC04 DR Y 0005 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 02 of 04



AERIAL PHOTO

NOTE:
NO UTILITIES DIVERSION



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB — Existing ESB - Underground	— ESB — ESB - MV/LV Underground in Works Area	— VIRGIN — VIRGIN in Works Area
— OH — Existing ESB - Overhead	— ESB — ESB - HV Underground in Works Area	— VODAFONE — VODAFONE in Works Area
— EIRCOM — Existing EIRCOM	— OH — ESB - HV Overhead in Works Area	— AUR — AURORA in Works Area
— STORM WATER — Existing Storm Water	— OH — ESB - MV Overhead in Works Area	— EU — EU Network in Works Area
— GAS — Existing Gas Network	— OH — ESB - LV Overhead in Works Area	— GAS LP — GAS LP in Works Area
— GRAVITY FOUL — Existing IW-Gravity	— IW-WM — IW- WATER Main in Works Area	— GAS MP — GAS MP in Works Area
— VIRGIN — Existing Virgin	— IW-GF — IW-GRAVITY FOUL in Works Area	— GAS HP — GAS HP in Works Area
— VODAFONE — Existing Vodafone	— SW — STORM WATER in Works Area	— — Irish Rail Property Boundary
— EU Network — Existing EU Network	— EIRCOM — EIRCOM in Works Area	
— AURORA — Existing Aurora		
— WM — Existing Water Main		

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Client: **Thionscail Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

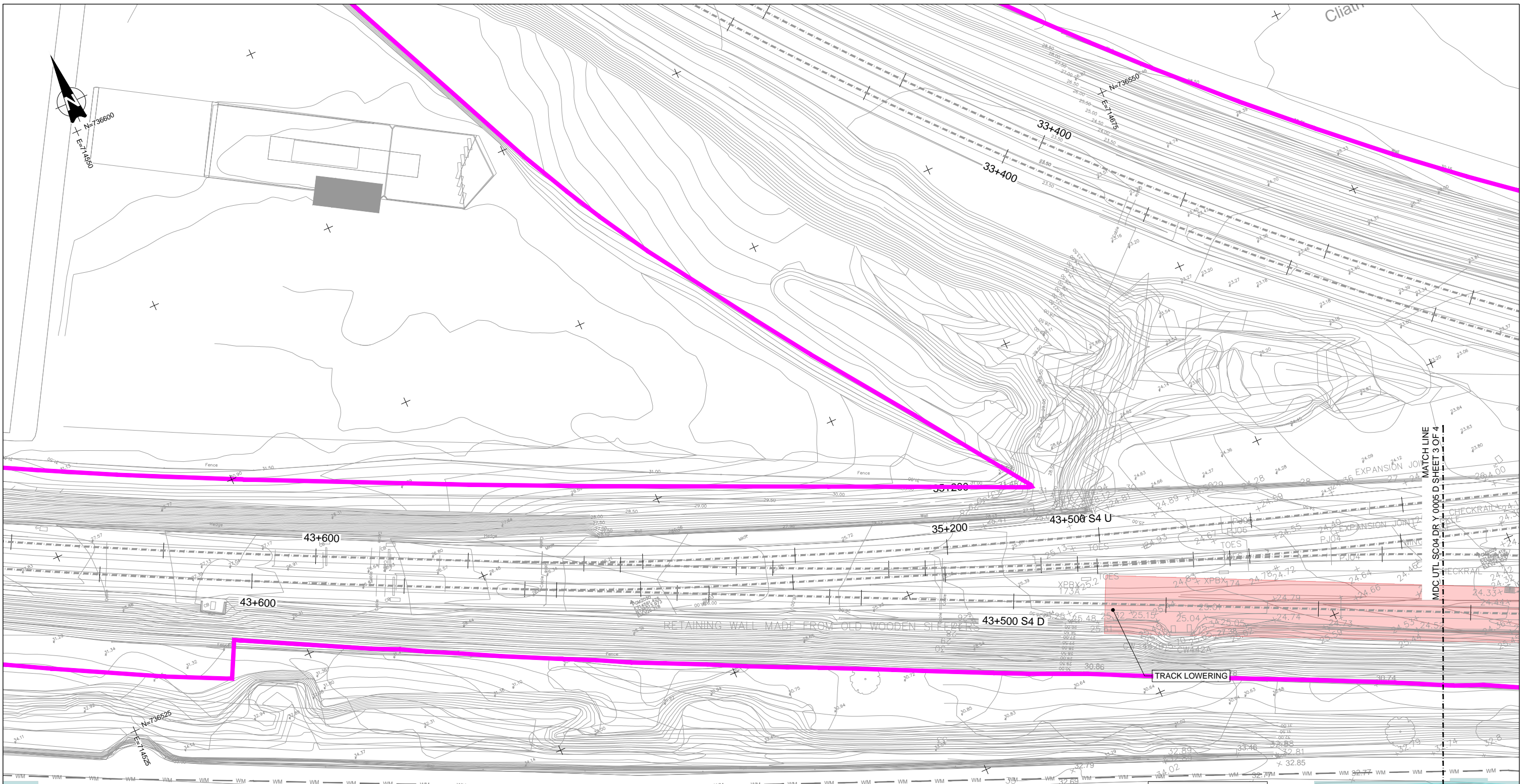
Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD221-OBD222 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC04 DR Y 0005 D**

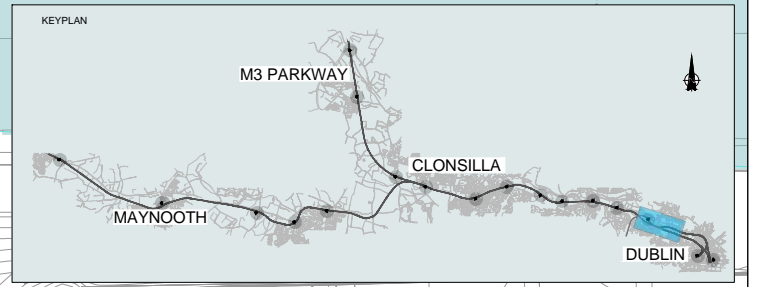
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 03 of 04



LEGEND FOR UTILITY SERVICES SURVEY:

— ESB —	Existing ESB - Underground	— ESB —	ESB - MV/LV Underground in Works Area	— VIRGIN —	VIRGIN in Works Area
— OH —	Existing ESB - Overhead	— ESB —	ESB - HV Underground in Works Area	— VODAFONE —	VODAFONE in Works Area
— EIRCOM —	Existing EIRCOM	— OH —	ESB - HV Overhead in Works Area	— AUR —	AURORA in Works Area
— STORM WATER —	Existing Storm Water	— OH —	ESB - MV Overhead in Works Area	— EU —	EU Network in Works Area
— GAS —	Existing Gas Network	— OH —	ESB - LV Overhead in Works Area	— GAS LP —	GAS LP in Works Area
— GRAVITY FOUL —	Existing IW-Gravity	— IW-WM —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-GF —	IW-GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— SW —	STORM WATER in Works Area	— EIRCOM —	EIRCOM in Works Area
— EU Network —	Existing EU Network				
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

NOTE:
NO UTILITIES DIVERSION



V 01	May 2022	Planning Issue	JHC	LA	CCH
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Client: **Tionscadal Éireann Project Ireland 2040**, **NTA**, **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **G3**, **FIROD**

Project: **DART+ West**

Drawing Title: **UTILITIES DIVERSIONS OBD221-OBD222 TRACK LOWERING**

Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC04 DR Y 0005 D**

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 04 of 04