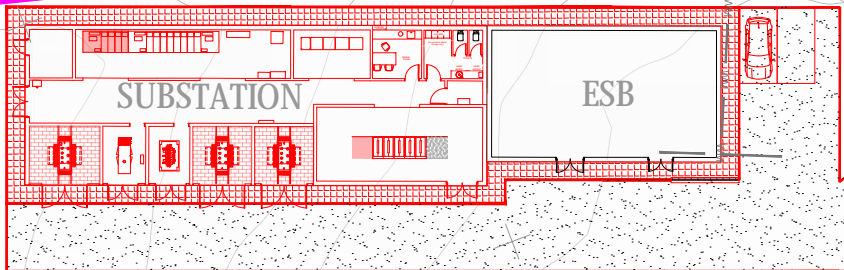


**BLAKESTOWN**

9th Lock

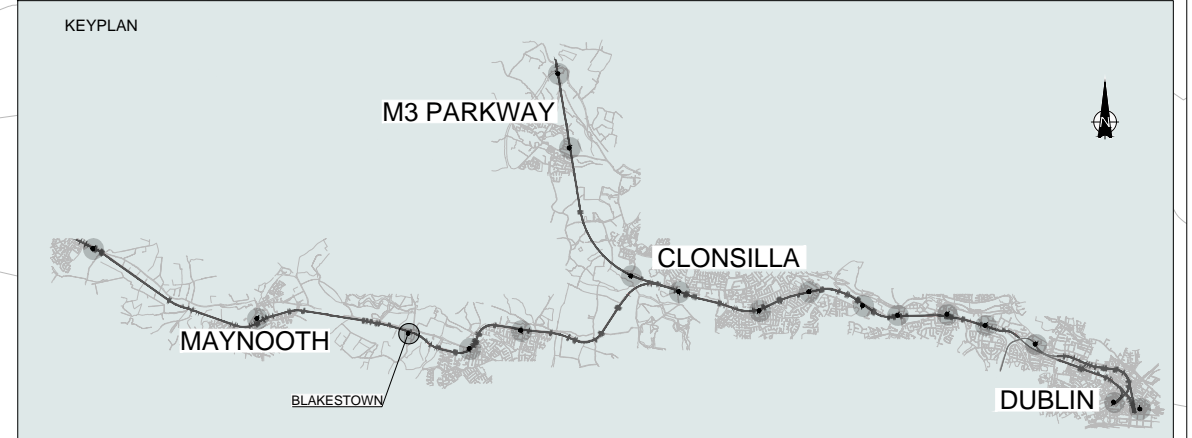
Deey Bridge



**NOTE:**  
NO UTILITIES DIVERSION

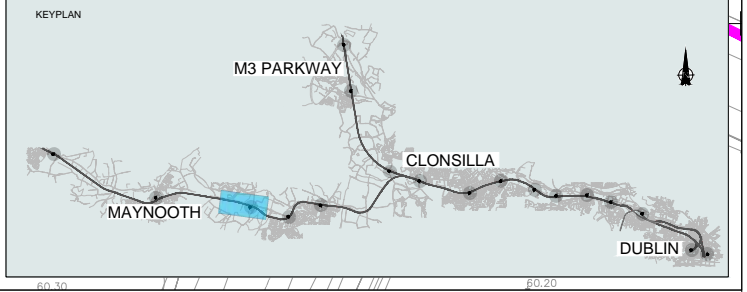
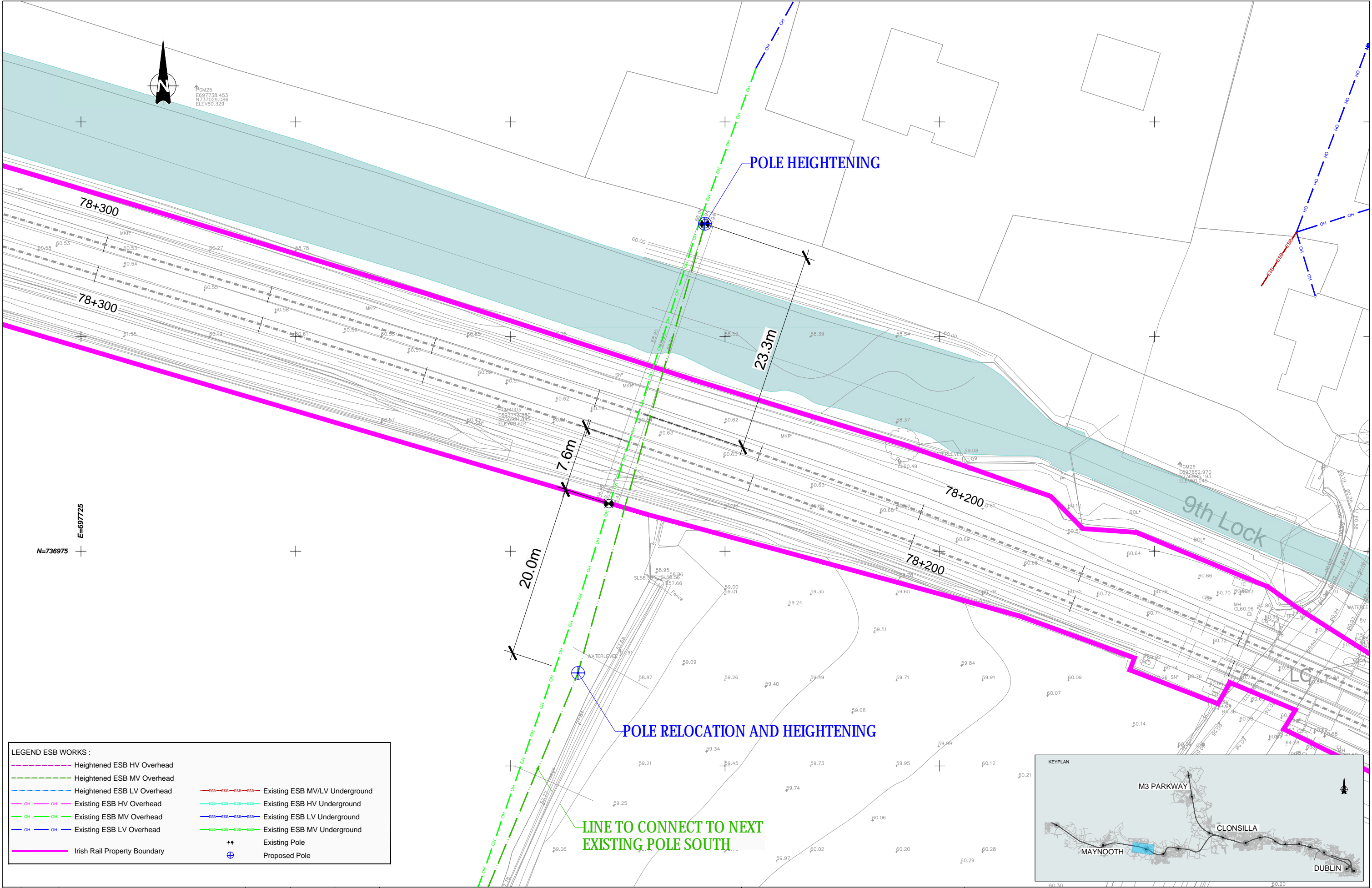
**LEGEND FOR UTILITY SERVICES SURVEY AND PROPOSED DIVERSIONS:**

— 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				



Client	Tionscald Éireann Project Ireland 2040		
Consultant	IDOM	G3	FIROD
Project	DART+ West		
Drawing Title	UTILITIES DIVERSION BLAKESTOWN SUBSTATION		
Scale:	1:250 @ A1		
Drawing Number	Project	Originator	Discipline
MAY	MDC	UTL	LC06
Date:	Job No:	Status:	Rev:
May 2022	P/101086	F1-Approved&Accepted	V 01
Sheet: 01 of 01			

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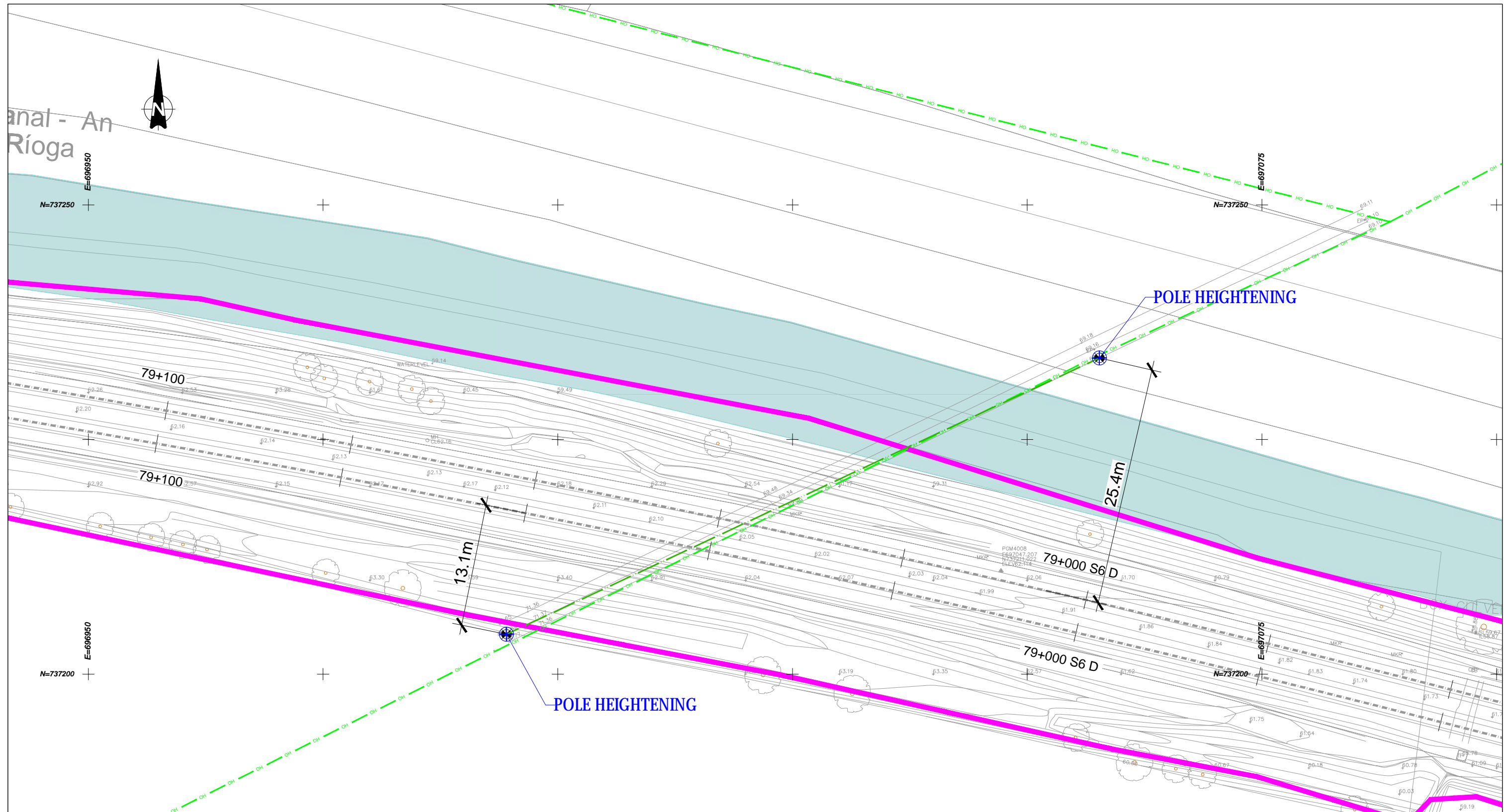
**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole

Client	Tionscail Éireann Project Ireland 2040		
Consultant	IDOM		
Project	DART+ West		
Drawing Title	UTILITIES DIVERSIONS DEEY BRIDGE AND LOCK 13 MEDIUM & LOW VOLTAGE LAYOUT PLAN		
Scale:	1:200 @ A1		
Drawing Number	Project	Originator	Discipline
REV. DATE DESCRIPTION	JHC LA CCH	MAY MDC UTL LC06 DR Y 0210 D	
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Survey No. 0039720 (OS Aerial Data or OS Lidar Data) & Survey No. 2021/OSL_NMA_180 (OS Vector Data).	Status: F1-Approved&Accepted		
All elevations are in metres and relate to OS Geoid Model (OSGM02) Mean Head as defined by existing Project Control.	Rev: V 01		
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Tallaght College (TLLG).	Sheet: 01 of 01		

Client	Tionscail Éireann Project Ireland 2040	Project	DART+ West	Drawing Title	UTILITIES DIVERSIONS DEEY BRIDGE AND LOCK 13 MEDIUM & LOW VOLTAGE LAYOUT PLAN
Consultant	IDOM	Project	DART+ West	Scale:	1:200 @ A1
Client	JHC LA CCH	Project	MAY MDC UTL LC06 DR Y 0210 D	Date:	May 2022
Client	PRODUCED BY REVIEWED BY APPROVED BY	Project	Project	Job No:	P/101086
Client		Project	Project	Status:	F1-Approved&Accepted
Client		Project	Project	Rev:	V 01
Client		Project	Project	Sheet:	01 of 01





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole



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

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Client

Consultant

Project

Drawing Title

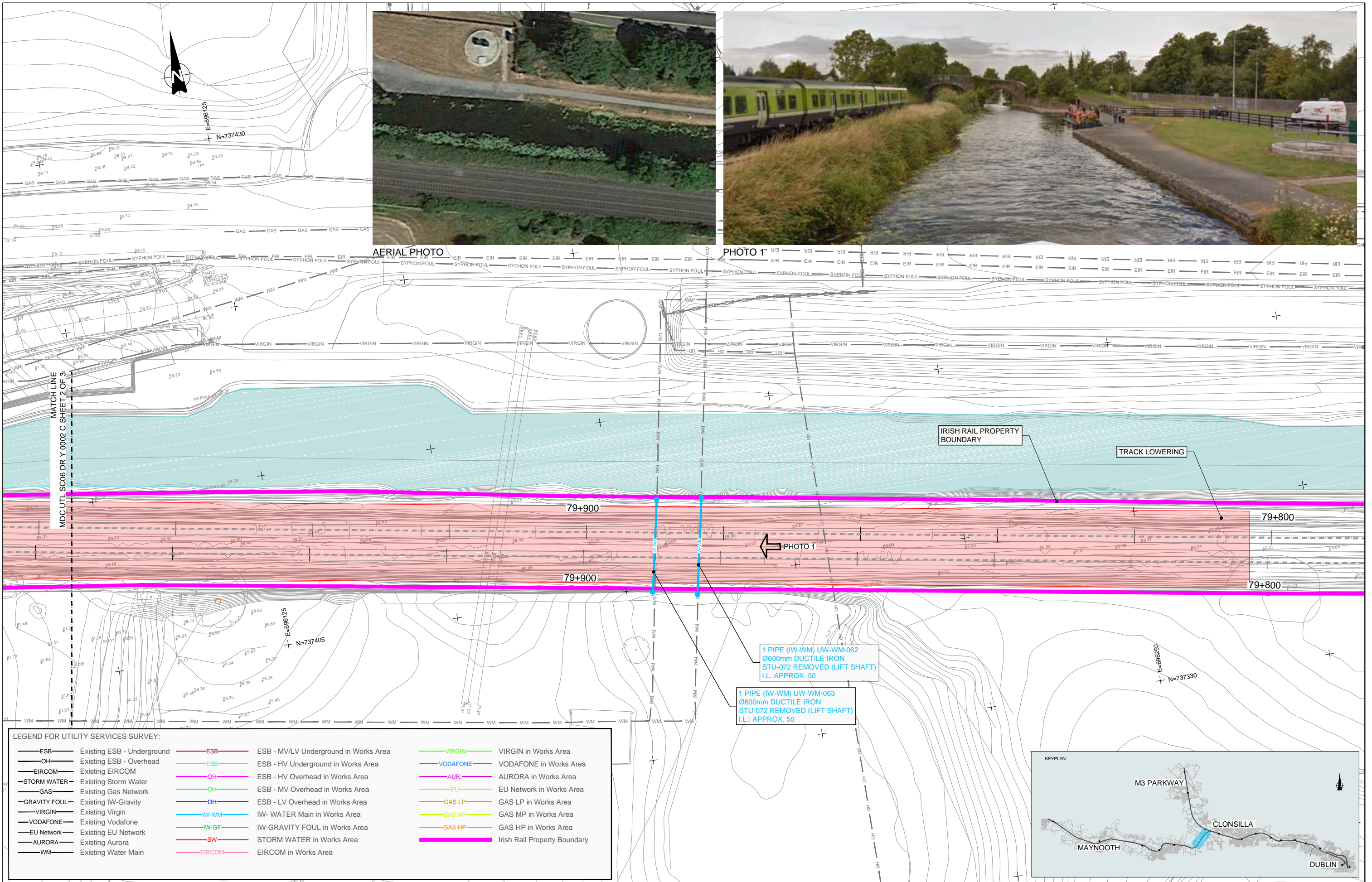
UTILITIES DIVERSIONS  
900m WEST OF DEEY BRIDGE AND LOCK 13  
MEDIUM & LOW VOLTAGE LAYOUT PLAN

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL LC06 DR Y 0220 D

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

Scale: 1:200 @ A1





**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				

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 OSI active GPS station Tallaght College (TLTG).

Client

Consultant

Project

Drawing Title

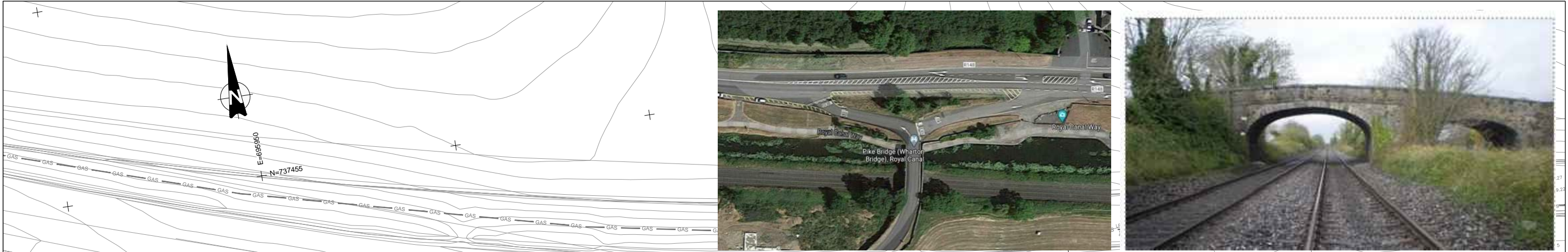
UTILITIES DIVERSIONS  
OBG-18  
TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL SC06 DR Y 0002 D

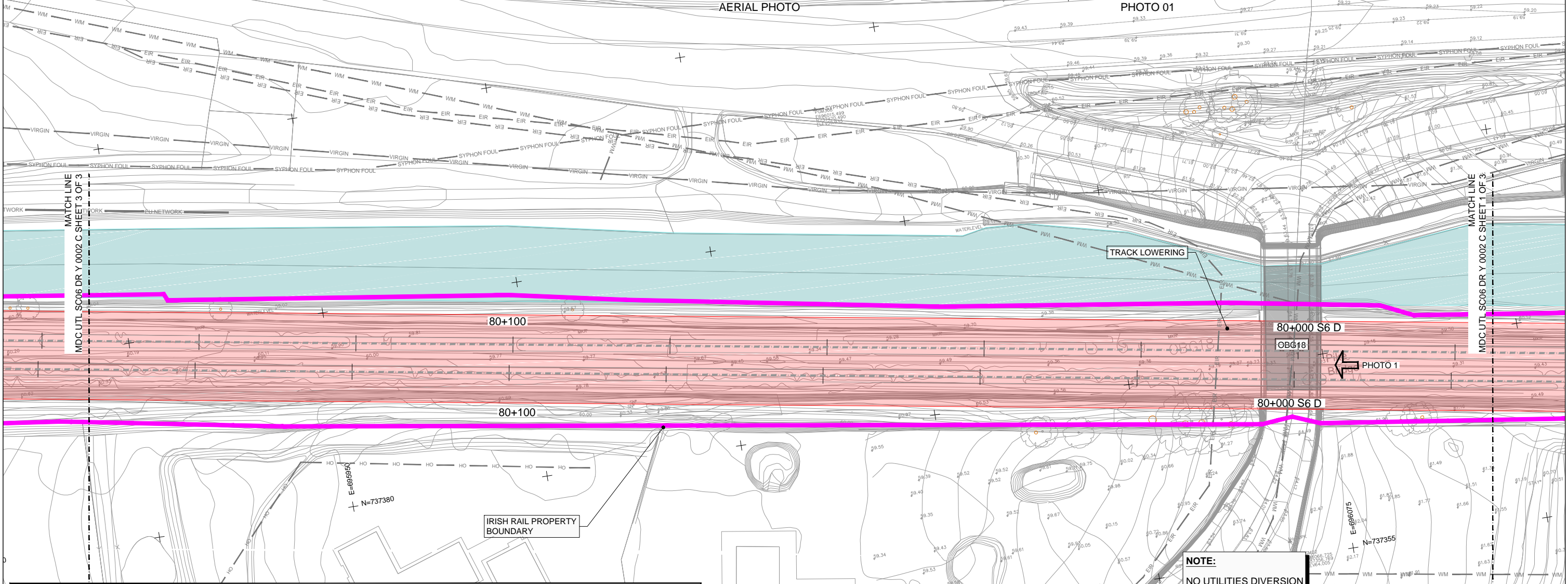
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 03





AERIAL PHOTO

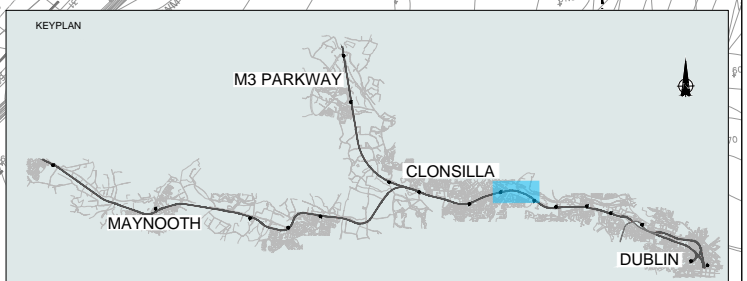
PHOTO 01



**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 Issue	JHC	LA	CCH
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Client: **Tionscail Éireann Project Ireland 2040**, **NTA** (Udarás Náisiúnta Ionstrá Náisiúnta), **Iarnród Éireann Irish Rail**

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

Project: **DART+ West**

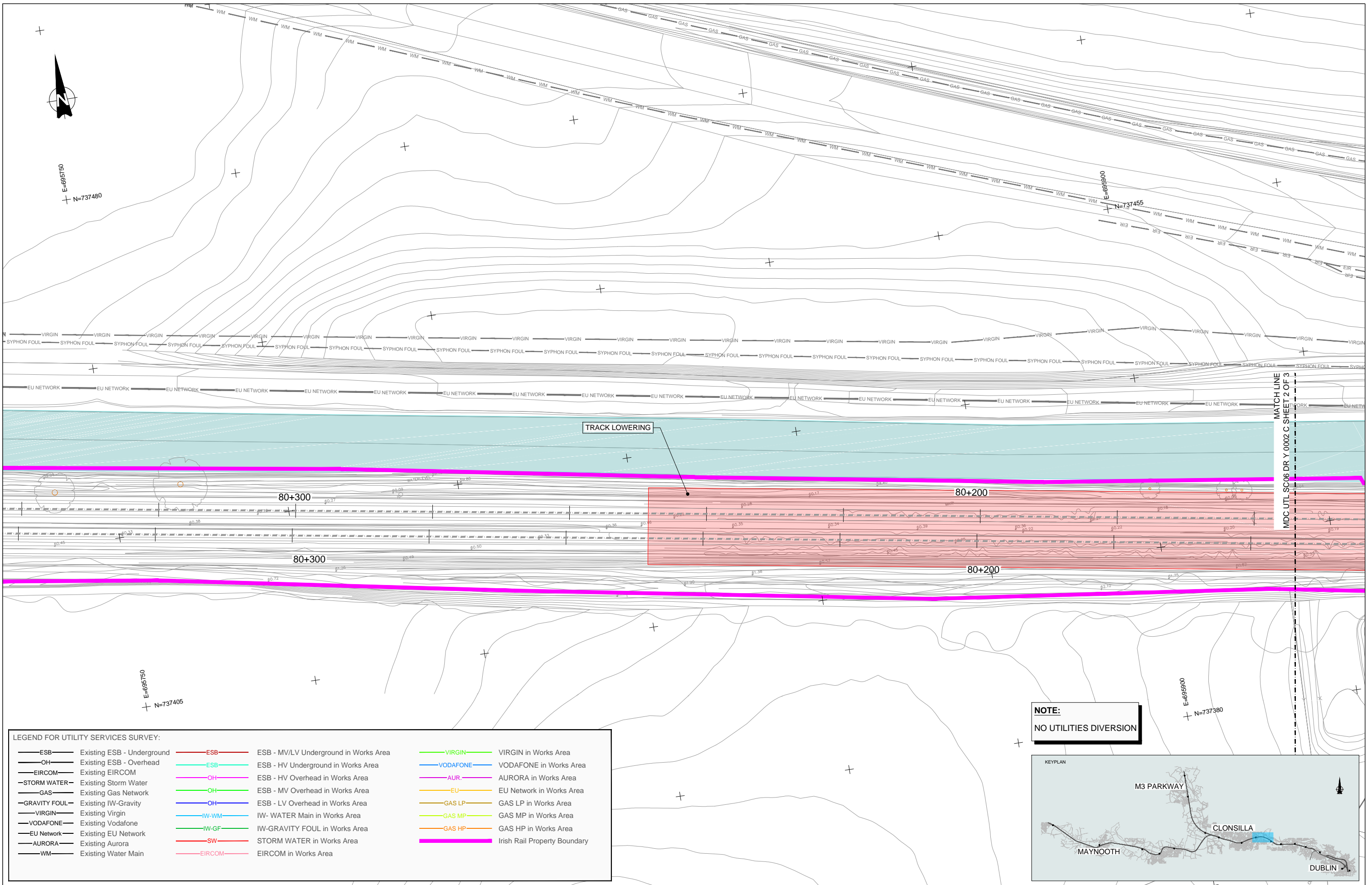
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Scale: 1:250 @ A1

Drawing Number: **MAY MDC UTL SC06 DR Y 0002 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	— OH —	IW- WATER Main in Works Area	— GAS MP —	GAS MP in Works Area
— VIRGIN —	Existing Virgin	— IW-WM —	IW- GRAVITY FOUL in Works Area	— GAS HP —	GAS HP in Works Area
— VODAFONE —	Existing Vodafone	— IW-GF —	STORM WATER in Works Area	— IRISH RAIL —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— SW —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				

**NOTE:**  
NO UTILITIES DIVERSION



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

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Client

Consultant

Project

Drawing Title

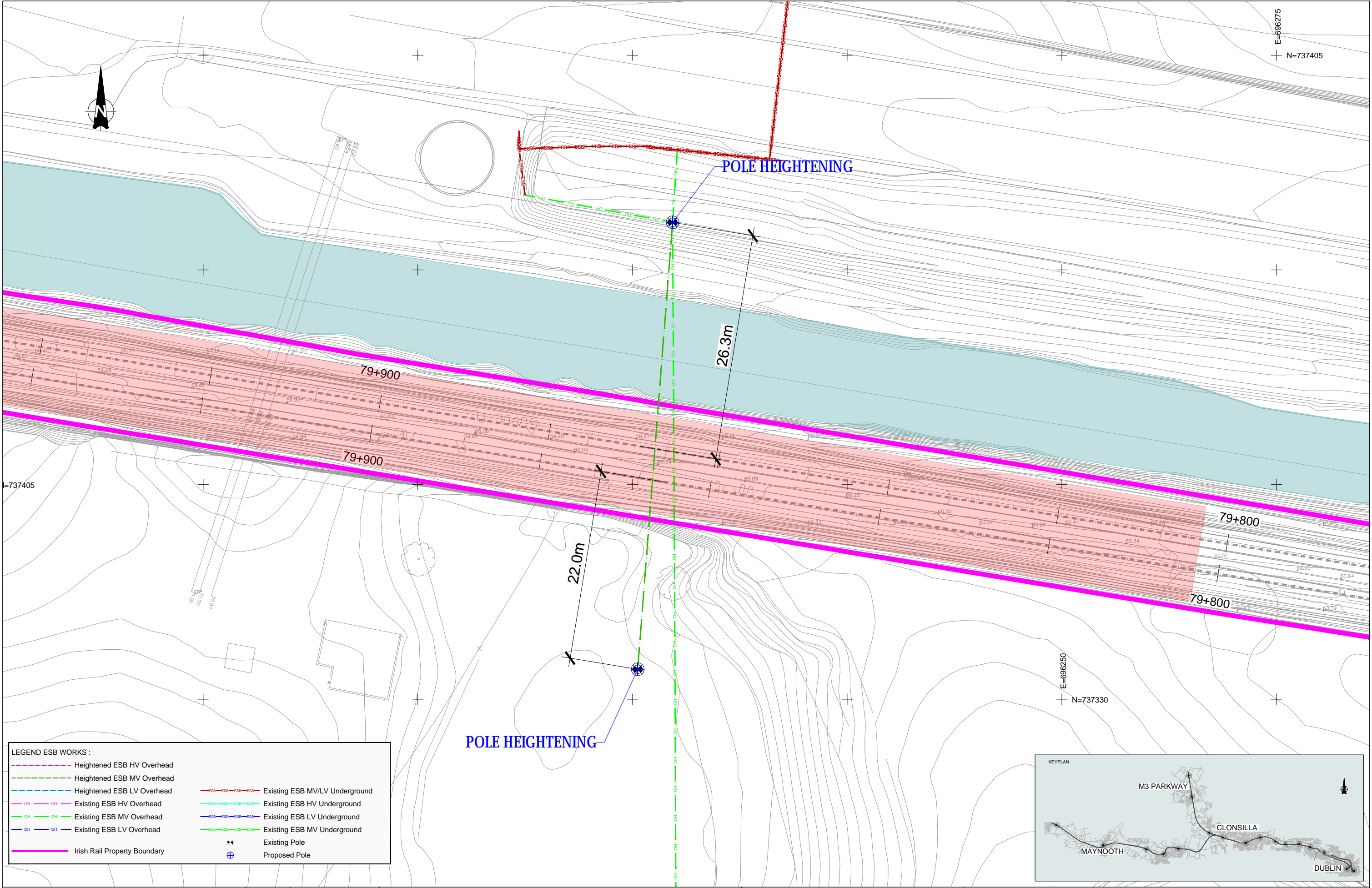
UTILITIES DIVERSIONS  
OBG-18  
TRACK LOWERING

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL SC06 DR Y 0002 D

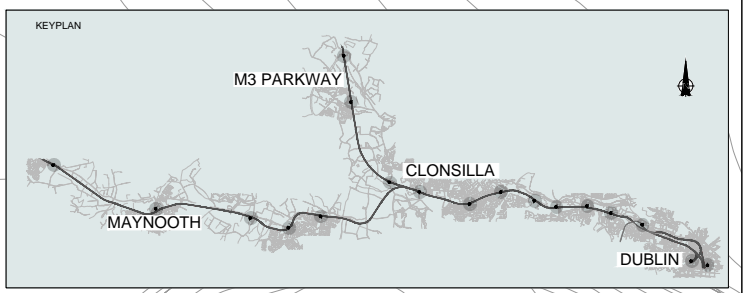
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 03 of 03





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole



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

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

PROD

Project

DART+ West

Drawing Title

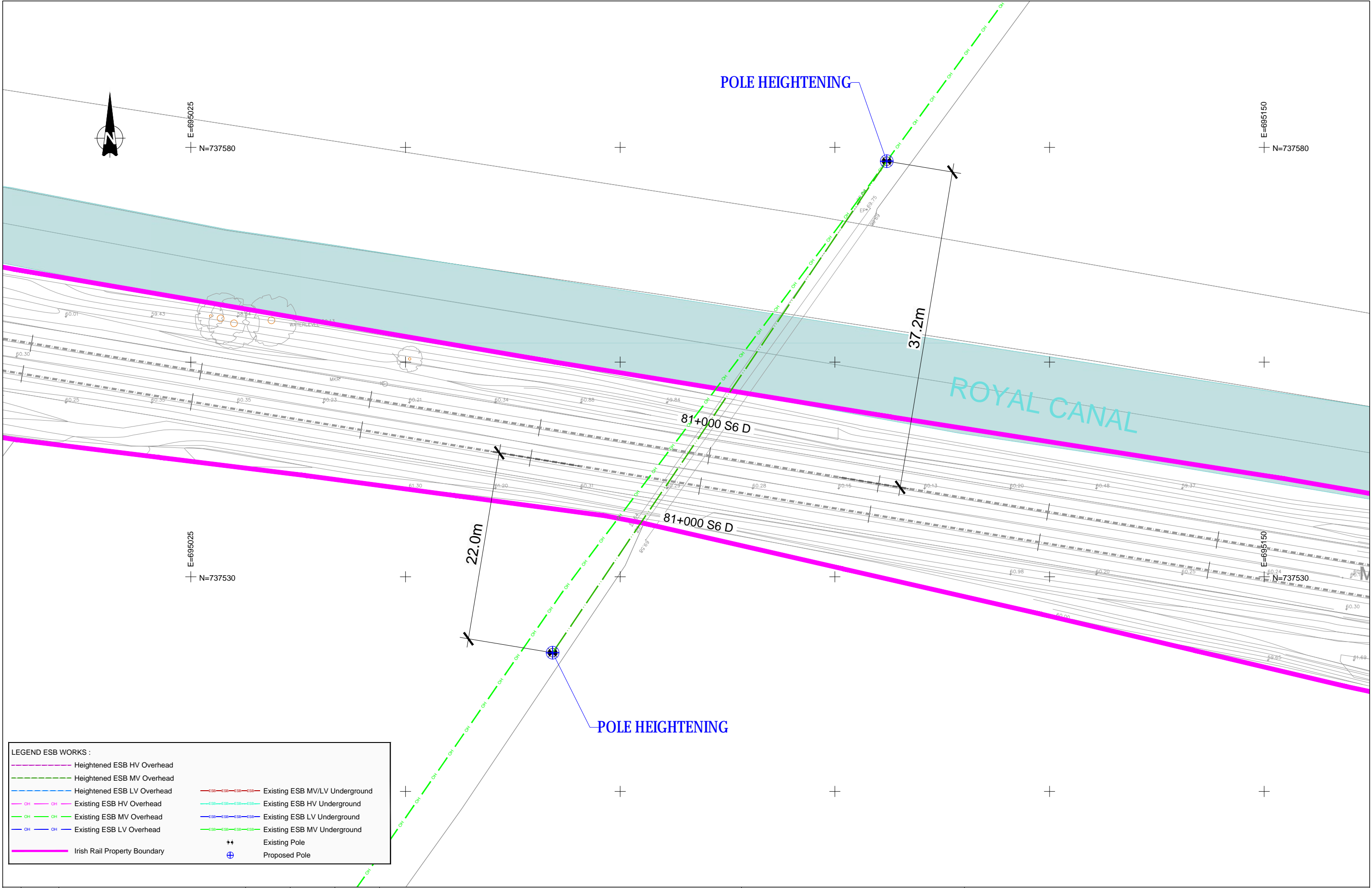
UTILITIES DIVERSIONS  
PIKE BRIDGE (WHARTON BRIDGE)  
MEDIUM & LOW VOLTAGE LAYOUT PLAN

Scale: 1:200 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL SC06 DR Y 0220 D

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





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole

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

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Client

Thionscatal Éireann  
Project Ireland  
2040

NTA  
Dóireán Náisiúnta Iompartha  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

C3

FIROD  
FIDELITY+ROYAL CANAL

Project

DART+  
West

Drawing Title

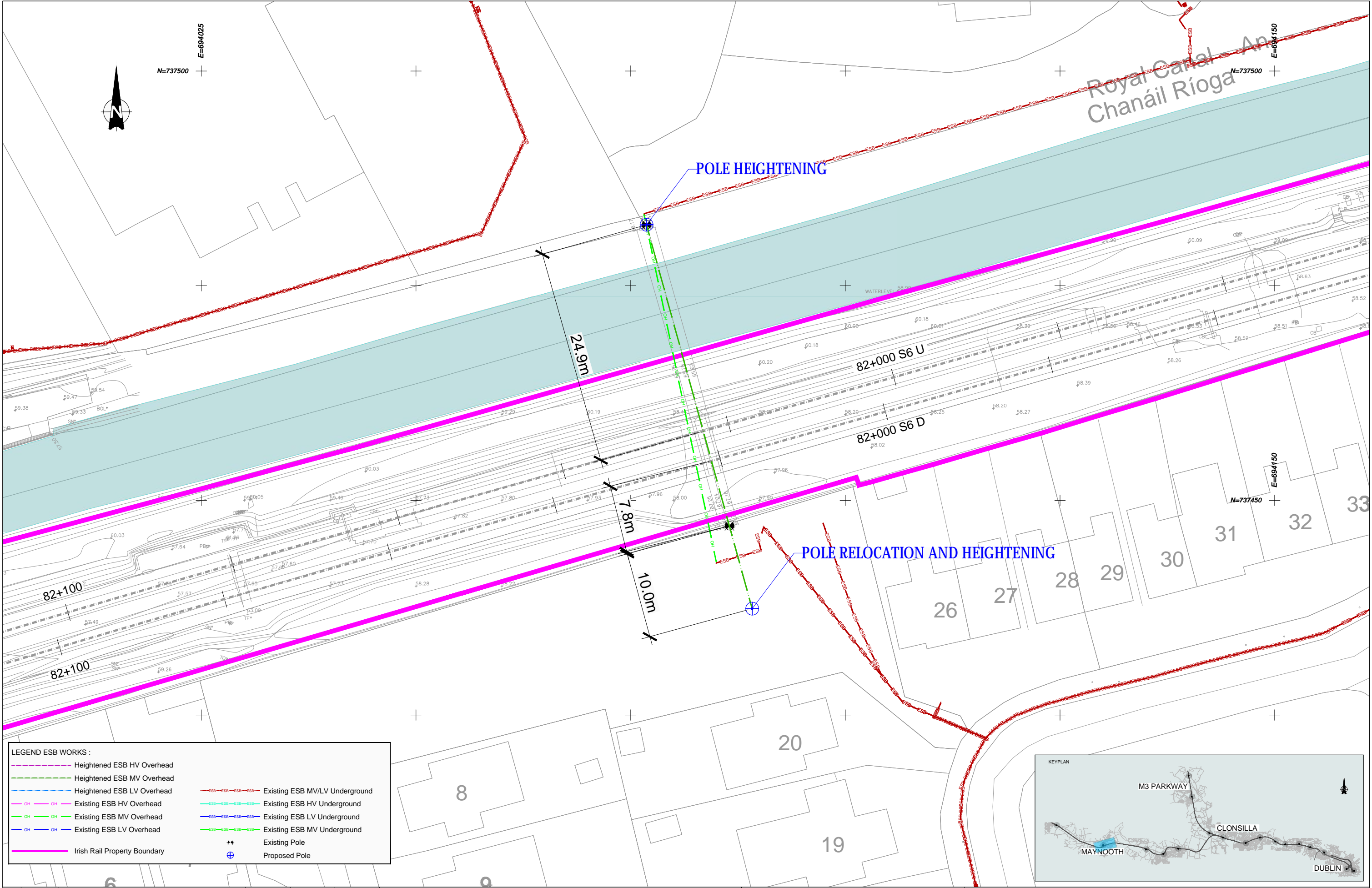
UTILITIES DIVERSIONS  
1140m WEST FROM UE-MV/LV-050  
MEDIUM & LOW VOLTAGE LAYOUT PLAN

Scale: 1:200 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL SC06 DR Y 0230 D

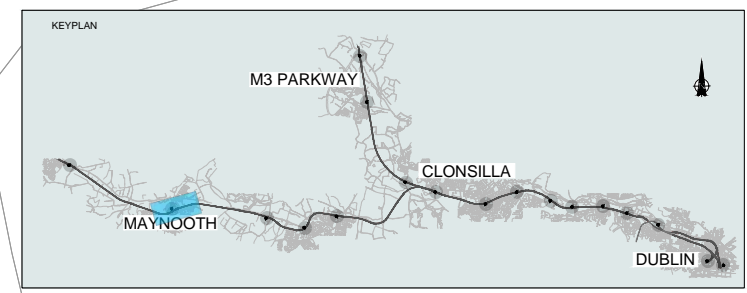
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 01





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole



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 (TLLO).

Client

Thionscald Éireann Project Ireland 2040

NTA Údarás Náisiúnta Comair Náisiúnta Aerlíneacha

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

PROD

Project

DART+ West

Drawing Title

UTILITIES DIVERSIONS EAST OF MAYNOOTH STATION AND STRAFFAN ROAD MEDIUM & LOW VOLTAGE LAYOUT PLAN

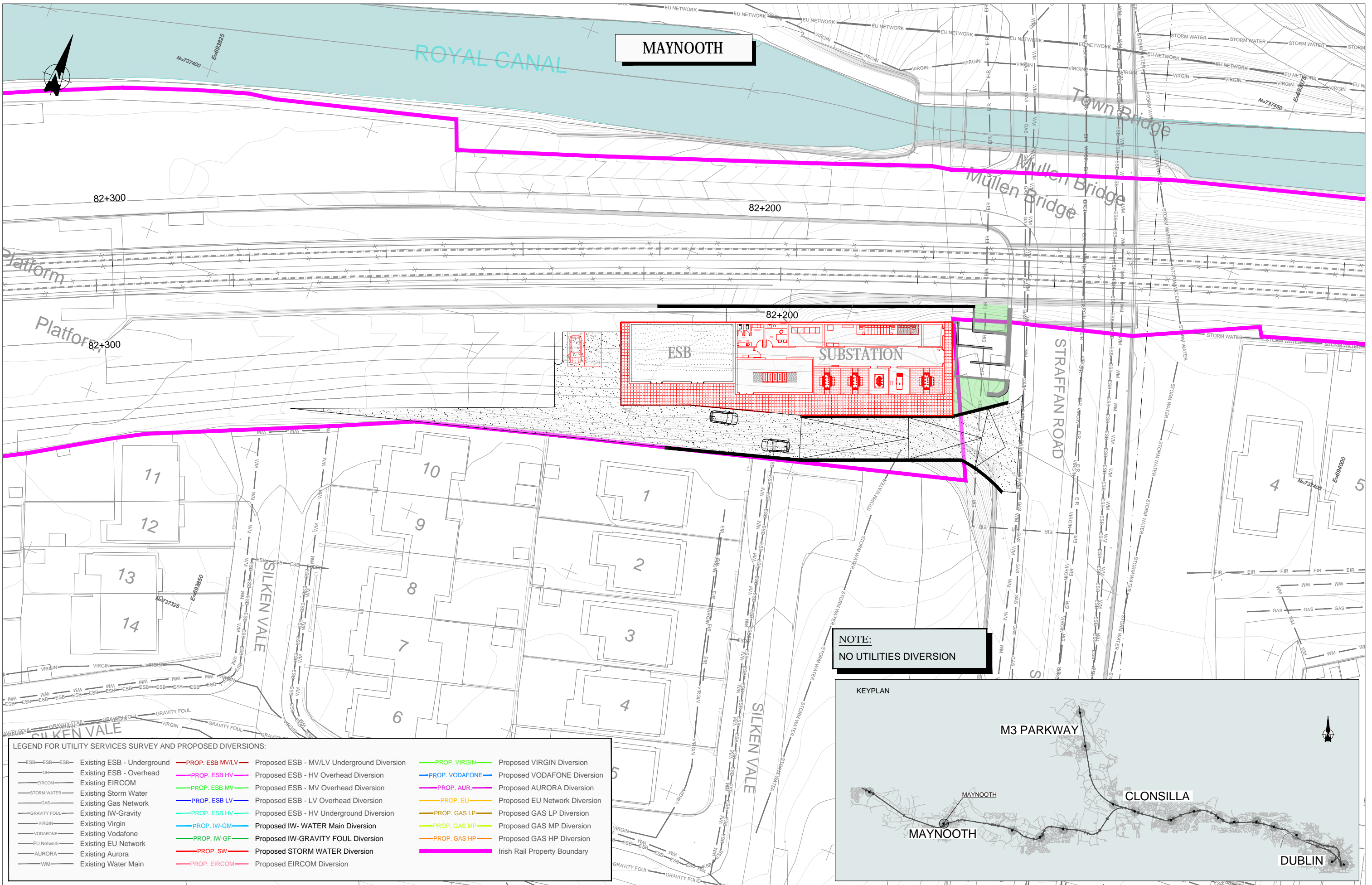
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

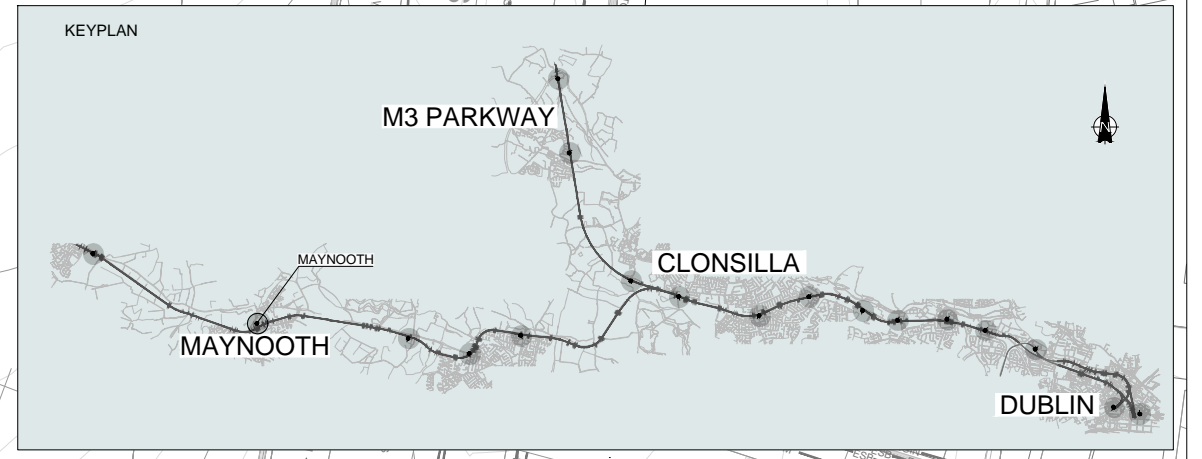
MAY MDC UTL RS14 DR Y 0220 D

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





**NOTE:**  
NO UTILITIES DIVERSION



**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 PROPERTY BOUNDARY— Irish Rail Property Boundary
—EU NETWORK— Existing EU Network	—PROP. EIRCOM— Proposed EIRCOM Diversion	
—AURORA— Existing Aurora		
—WM— Existing Water Main		

Client	Tionscald Éireann Project Ireland 2040		
Consultant	IDOM		
Project	DART+ West		
Drawing Title	UTILITIES DIVERSION MAYNOOTH SUBSTATION		
Scale:	1:250 @ A1		
Drawing Number	Project	Originator	Discipline
May 2022	MAY MDC	UTL	RS14 DR Y
Rev: V 01	Number: 0001	Phase: D	

Client	JHC	LA	CCH
Produced by	Reviewed by	Approved by	
Consultant	IDOM		
Project	DART+ West		

Scale:	1:250 @ A1		
Drawing Number	Project	Originator	Discipline
May 2022	MAY MDC	UTL	RS14 DR Y
Rev: V 01	Number: 0001	Phase: D	

Scale:	1:250 @ A1		
Drawing Number	Project	Originator	Discipline
May 2022	MAY MDC	UTL	RS14 DR Y
Rev: V 01	Number: 0001	Phase: D	

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AERIAL PHOTO



PHOTO 2

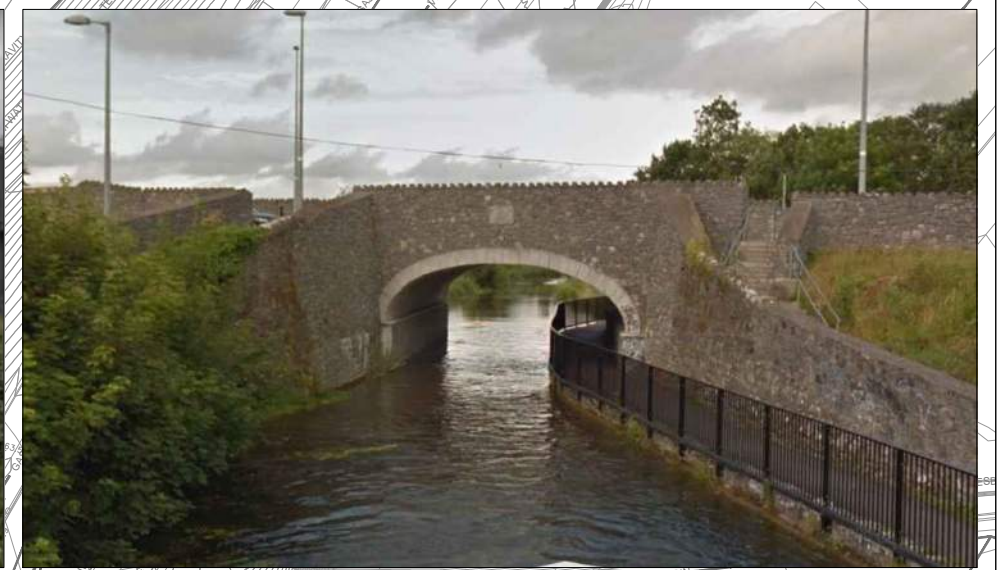
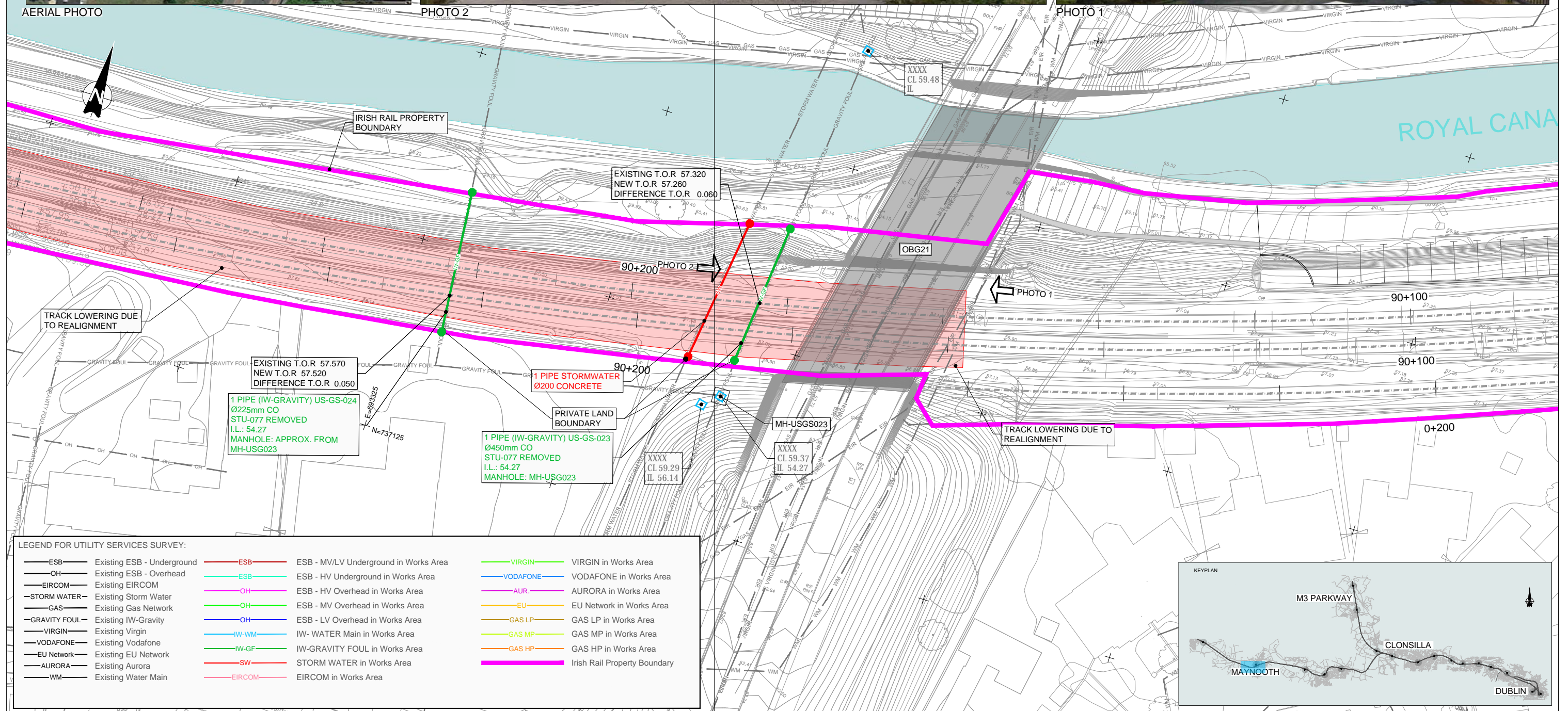
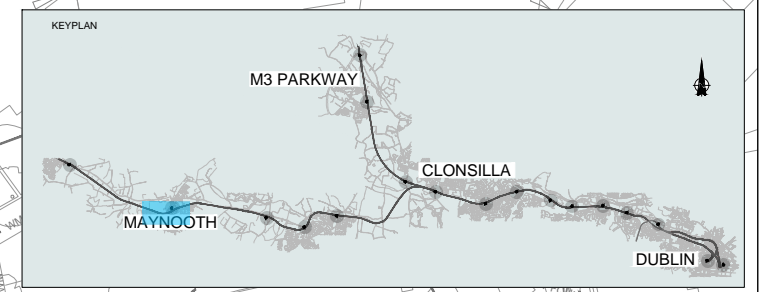


PHOTO 1



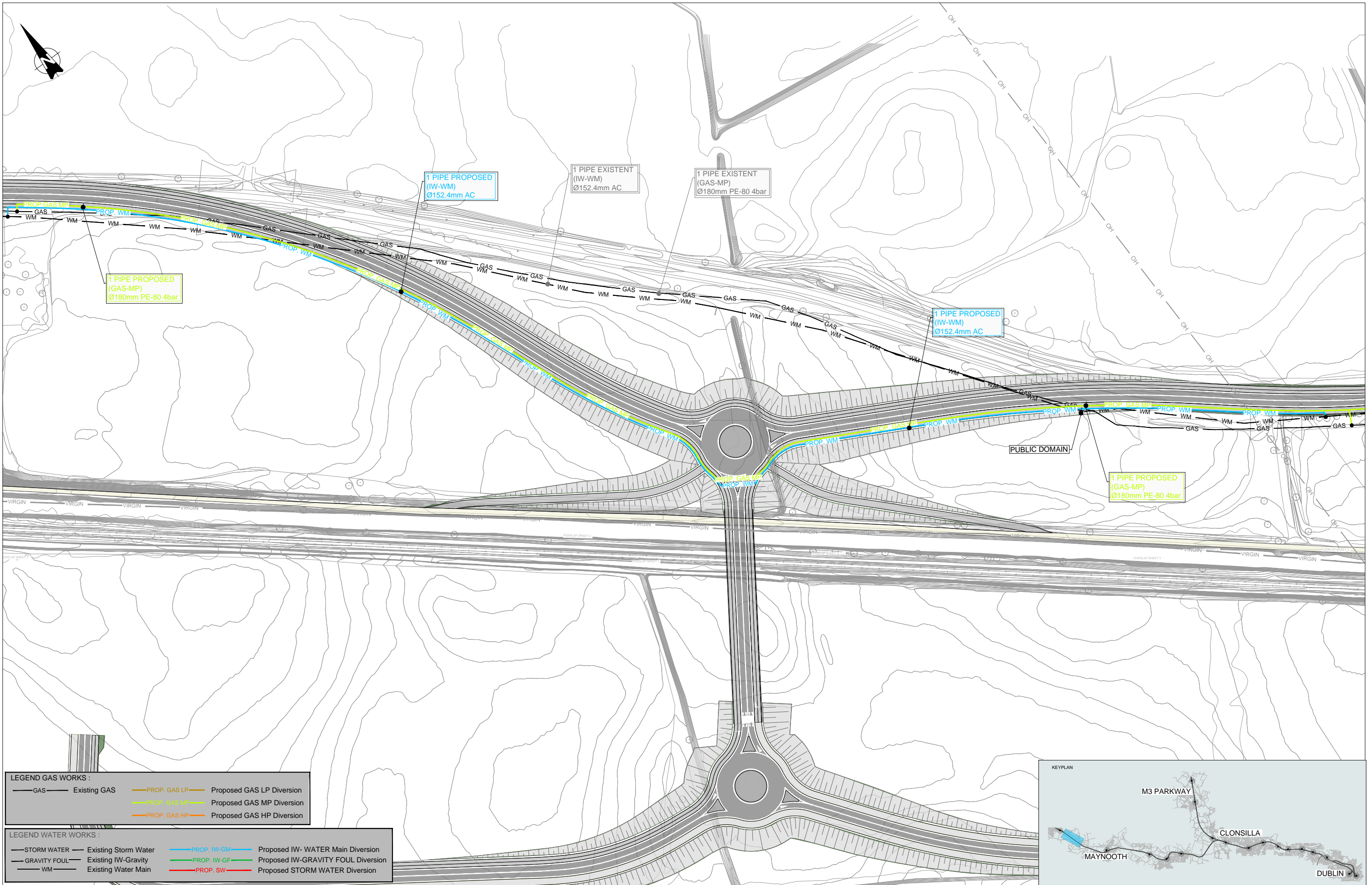
**LEGEND FOR UTILITY SERVICES SURVEY:**

— 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 —	Irish Rail Property Boundary
— EU Network —	Existing EU Network	— EIRCOM —	EIRCOM in Works Area		
— AURORA —	Existing Aurora				
— WM —	Existing Water Main				



<p>V 01 May 2022 Planning Issue</p> <p>REV. DATE DESCRIPTION</p> <p>JHC LA CCH</p> <p>PRODUCED BY REVIEWED BY APPROVED BY</p>	<p>Client</p> <p>Thomascadail Éireann Project Ireland 2040</p> <p>NTA</p> <p>Iarnród Éireann Irish Rail</p>	<p>Project</p> <p>DART+ West</p>	<p>Drawing Title</p> <p>UTILITIES DIVERSIONS OBG-21 MAYNOOTH TO DEPOT - DOUBLE TRACK</p>
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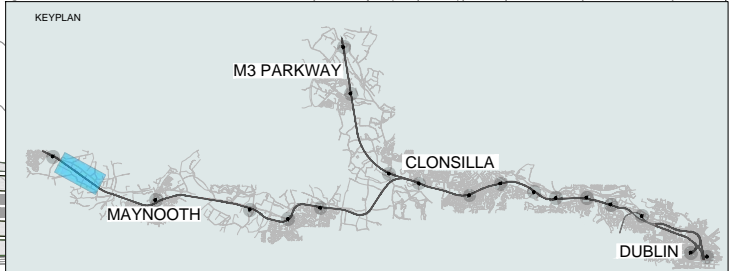


**LEGEND GAS WORKS :**

— GAS —	Existing GAS	— PROP. GAS LP —	Proposed GAS LP Diversion
— PROP. GAS MP —	Proposed GAS MP Diversion	— PROP. GAS HP —	Proposed GAS HP Diversion

**LEGEND WATER WORKS :**

— STORM WATER —	Existing Storm Water	— PROP. IW-GM —	Proposed IW- WATER Main Diversion
— GRAVITY FOUL —	Existing IW-Gravity	— PROP. IW-GF —	Proposed IW-GRAVITY FOUL Diversion
— WM —	Existing Water Main	— PROP. SW —	Proposed STORM WATER Diversion



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

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Client: **Tionscatal Éireann Project Ireland 2040**, **NTA** (Údaráil Náisiúnta Iompartha National Transport Authority), **Iarnród Éireann Irish Rail**

Consultant: **IDOM**, **C3**, **PROD** (RODRIGAN & O'SHEA)

Project: **DART+ West**

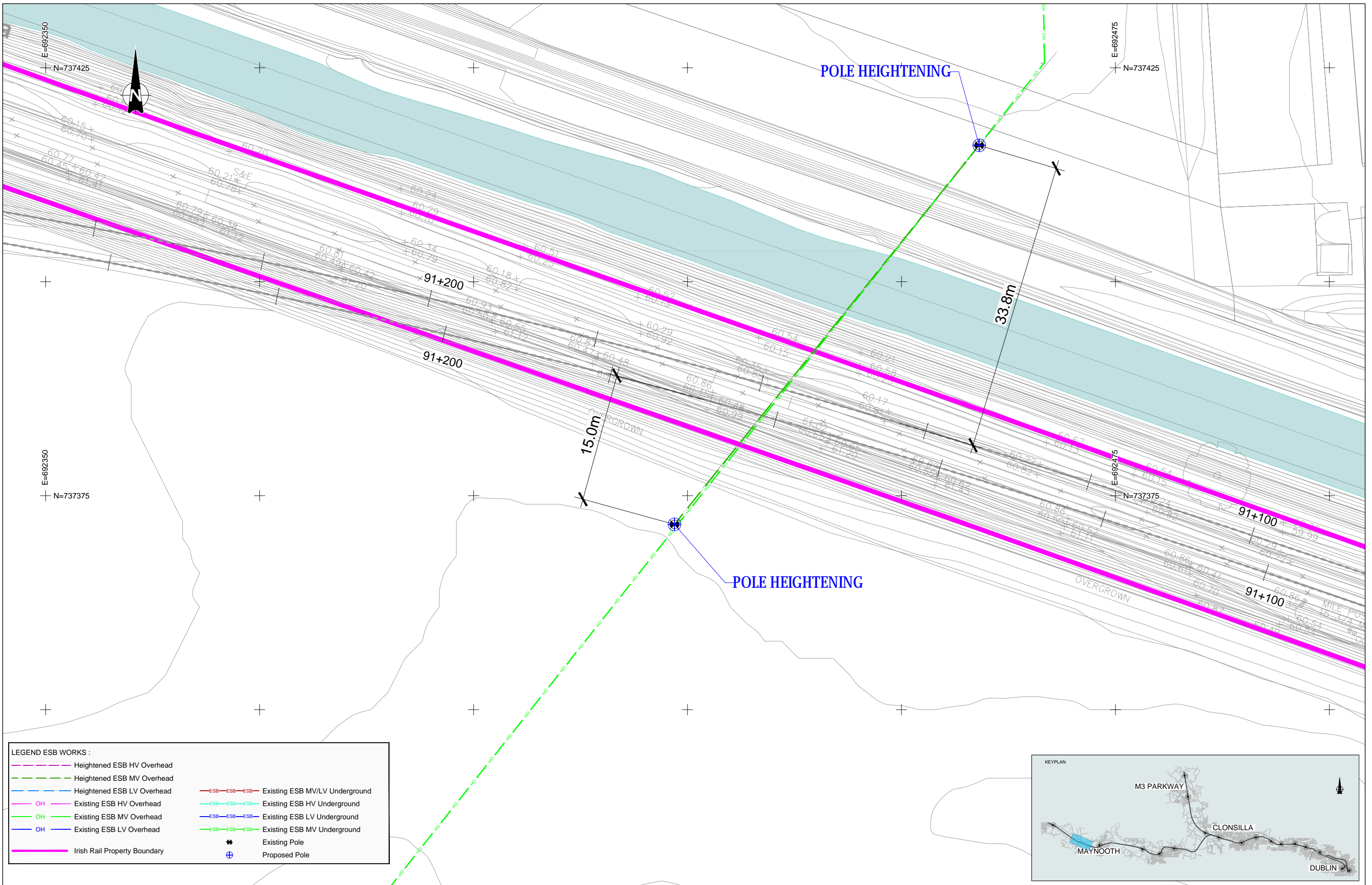
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Scale: 1:1000 @A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY MDC UTL SC07 DR Y 0002 D

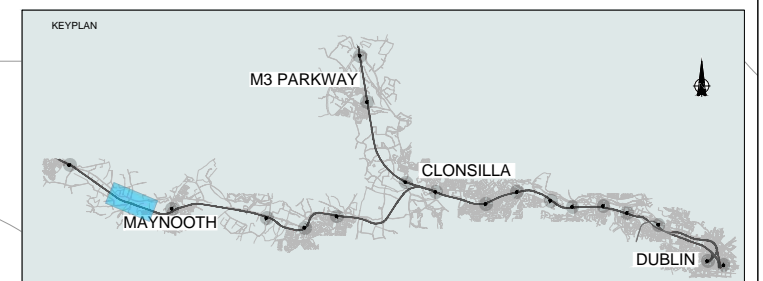
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 01 of 01





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole



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

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Client

Thionscald Éireann Project Ireland 2040

NTA

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

Drawing Title

UTILITIES DIVERSIONS NORTH OF THE GARDEN IN MAYNOOTH SOUTH MEDIUM & LOW VOLTAGE LAYOUT PLAN

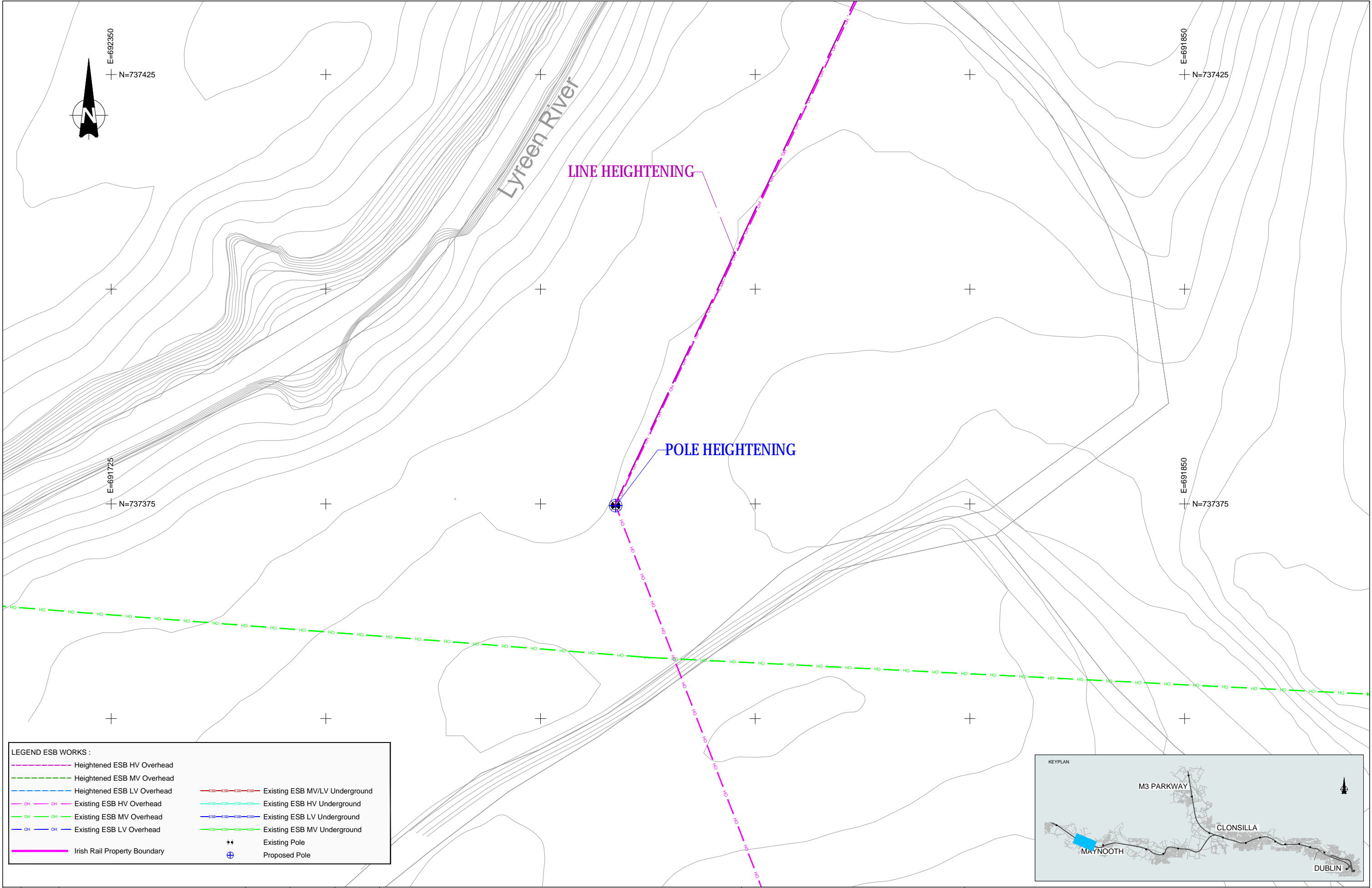
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY MDC UTL DEPM DR Y 0210 D

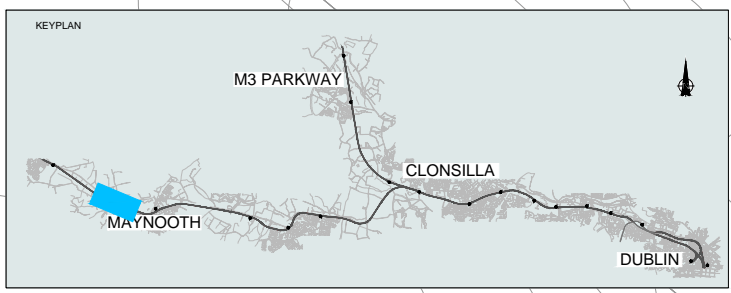
Date: May 2022 Job No: P/101086 Status: F1-Approved&Accepted Rev: V 01 Sheet: 01 of 01





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB LV Underground
	Existing ESB LV Overhead		Existing ESB MV Underground
	Irish Rail Property Boundary		Existing Pole
			Proposed Pole



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

Consultant

Project

Drawing Title

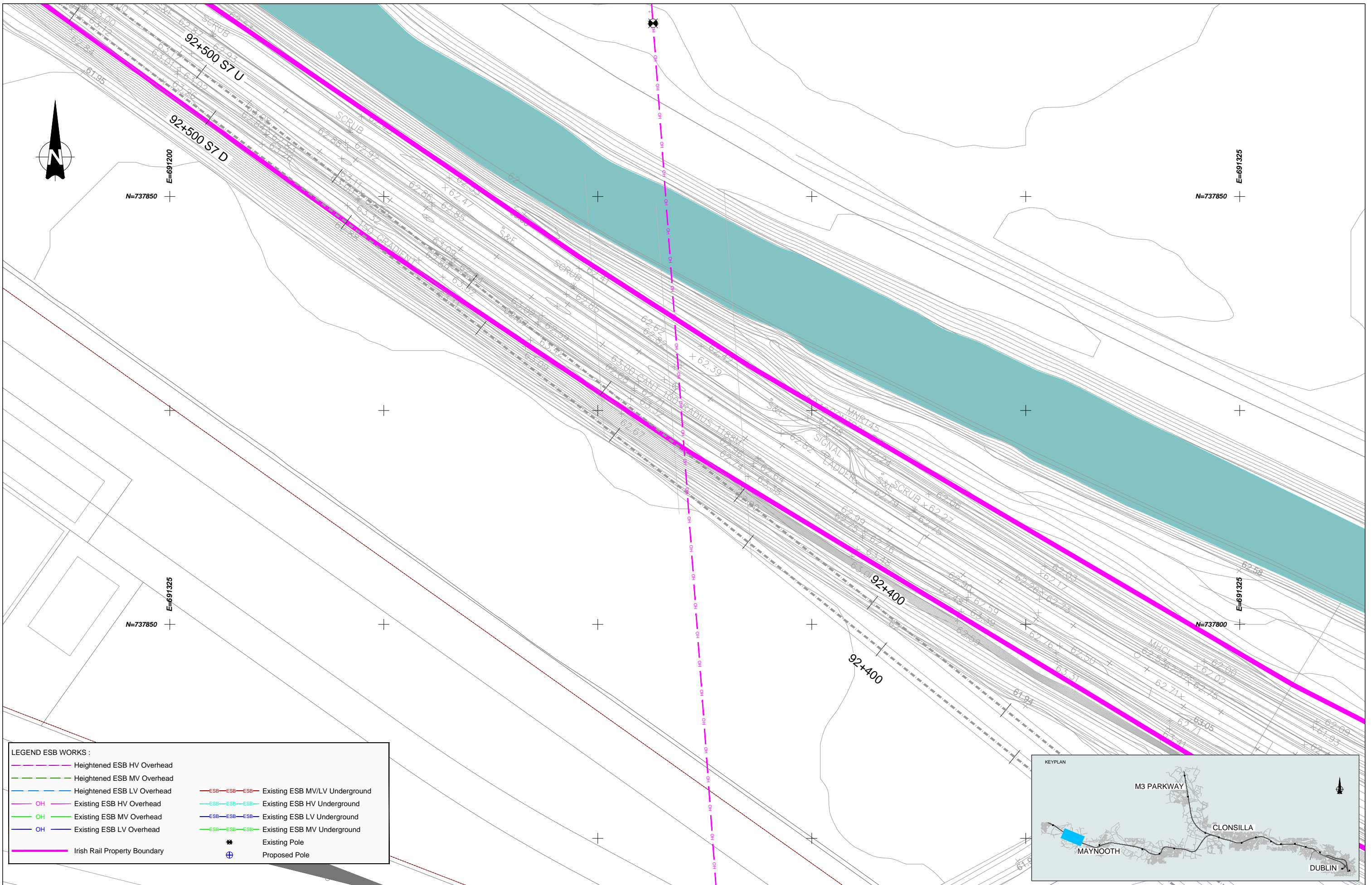
**UTILITIES DIVERSIONS  
EAST OF OBG23 - 220kV  
HIGH VOLTAGE LAYOUT PLAN**

Scale: 1:200 @ A1

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY MDC UTL	SC07	DR	Y	0120	D		

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

Sheet: 01 of 01



**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Undergound
	Heightened ESB LV Overhead		Existing ESB LV Underground
	OH Existing ESB HV Overhead		Existing ESB MV Underground
	OH Existing ESB MV Overhead		Existing Pole
	OH Existing ESB LV Overhead		Proposed Pole
	Irish Rail Property Boundary		

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

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Client

Thionscadal Éireann Project Ireland 2040

NTA

Iarnród Éireann Irish Rail

Consultant

IDOM

G3

FIROD

Project

DART+ West

Drawing Title

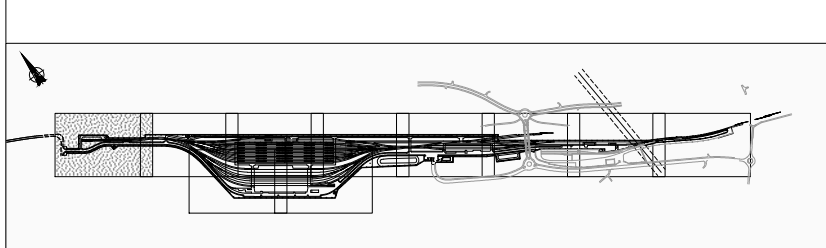
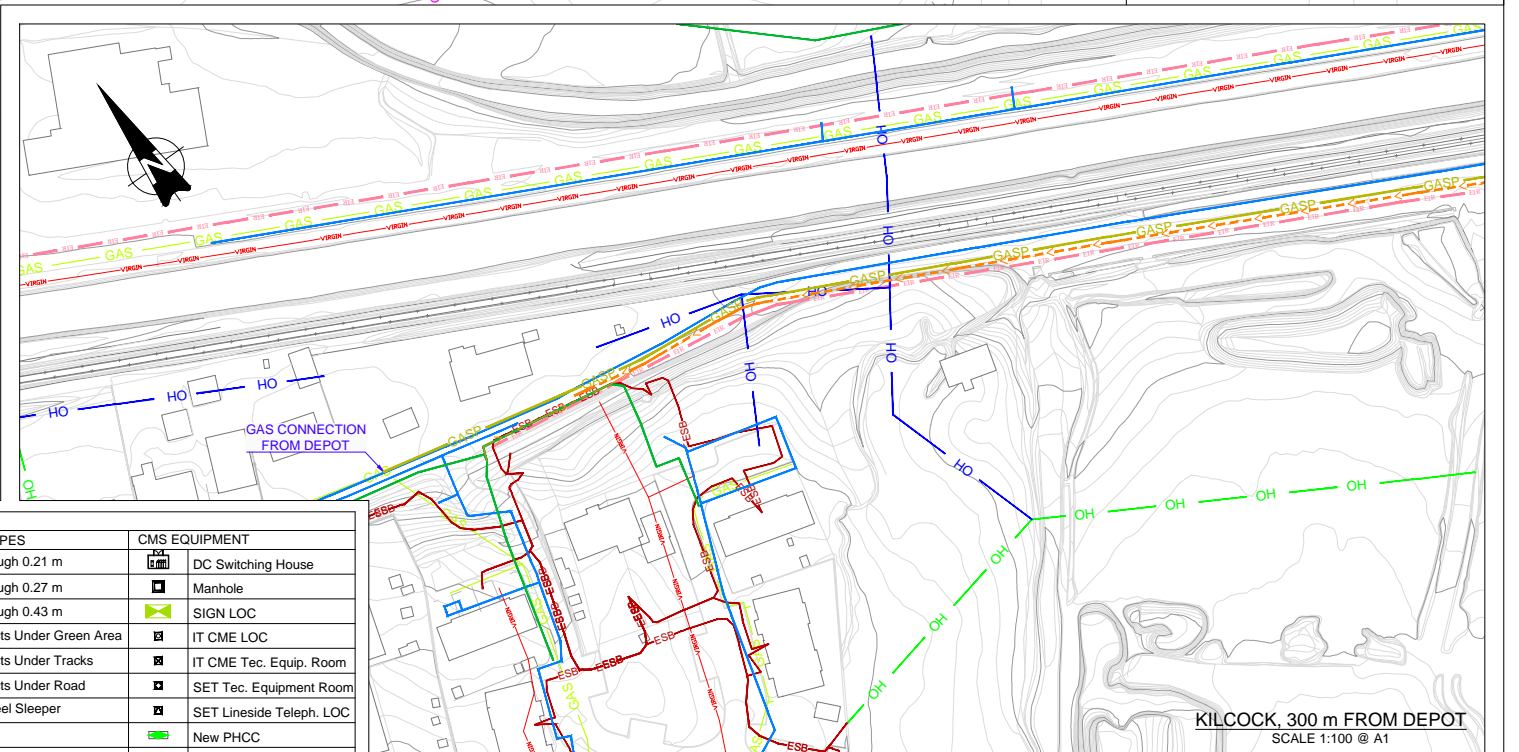
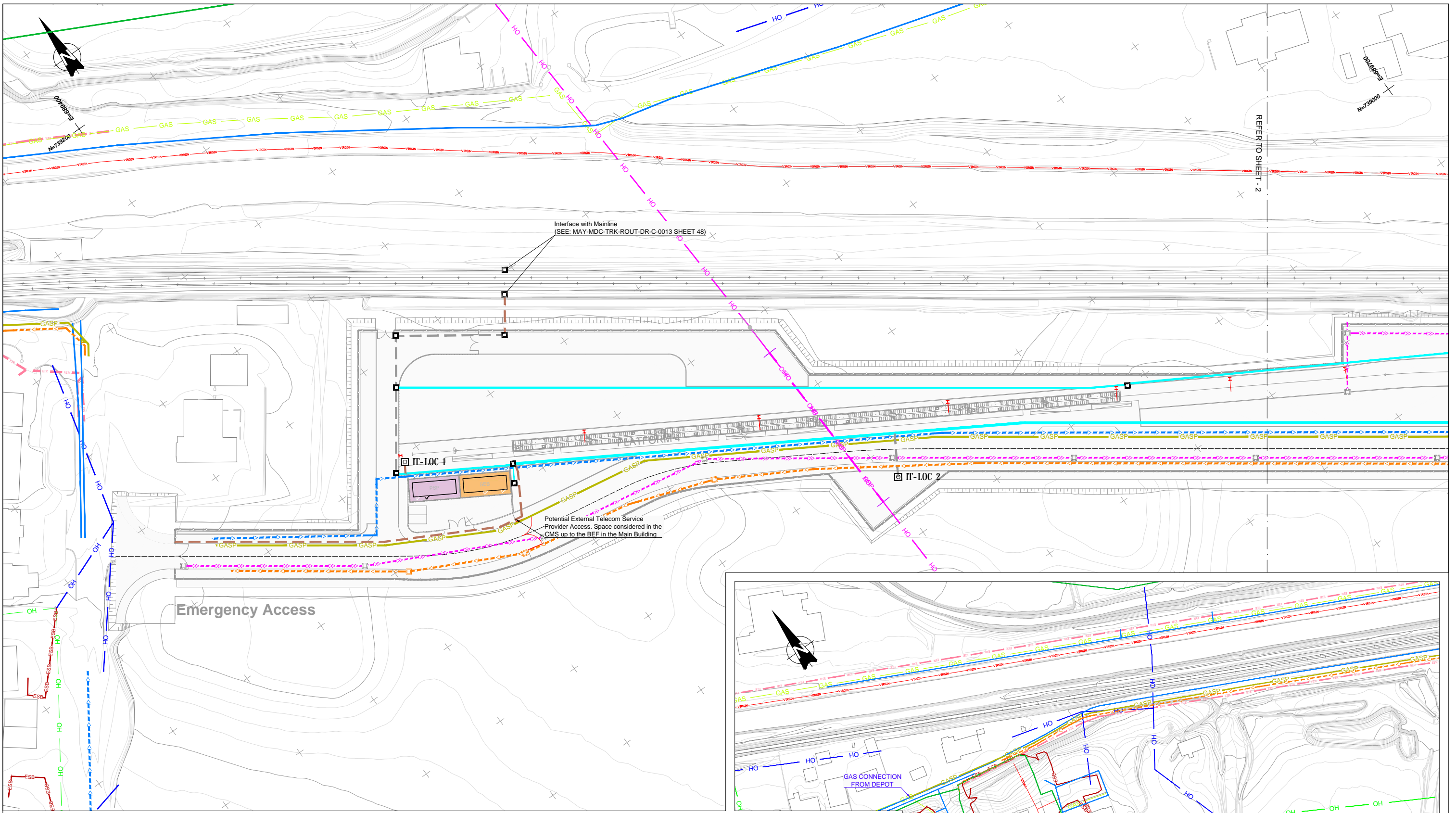
UTILITIES DIVERSIONS  
EAST DEPOT 220kV  
HIGH VOLTAGE LAYOUT PLAN

Scale: 1:200 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL DEPM DR Y 0110 D

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





LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Watermain		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	Gravity network		Industrial Sewage Network		Sewage Pumping Network		Cable Ducts Under Green Area		IT CME LOC
	Virgin (NTL - UPC)		Water Supply Network		Drainage Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gas Network (4 bar)		Gas		Gas		Cable Ducts Under Road		SET Tec. Equipment Room
			Hollow Steel Sleeper						SET Lineside Teleph. LOC
									New PHCC
									DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 01	May 2022	PLANNING ISSUE	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	JHC	LA	CCH

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Client:

Consultant:

Project:

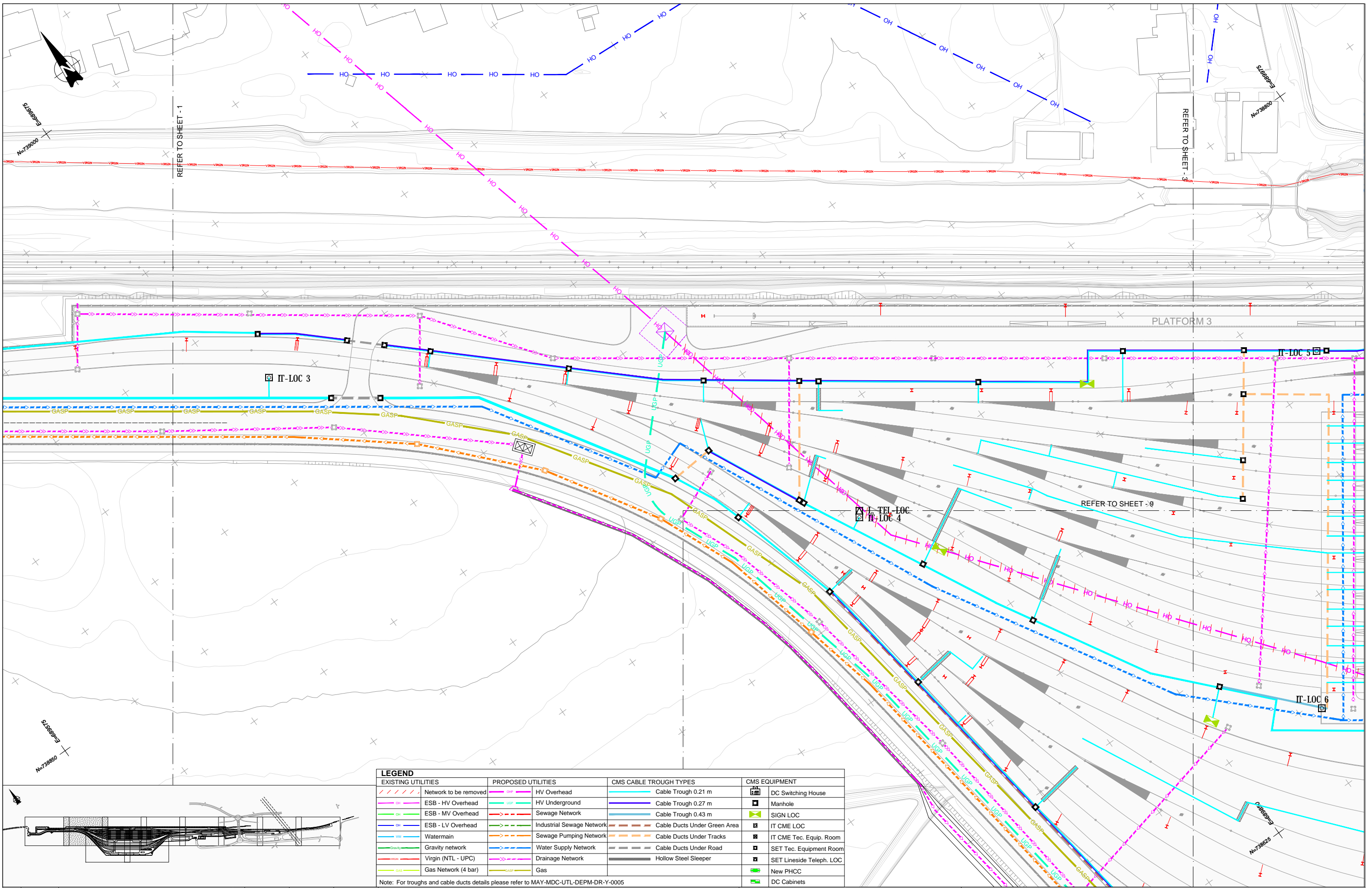
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Scale: 1:500 @ A1

Drawing Number: MAY MDC UTL DEPM DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 1 of 10





LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Virgin (NTL - UPC)		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	Gravity network		Gas Network (4 bar)		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME LOC
	Gas Network (4 bar)				Sewage Pumping Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
					Water Supply Network		Cable Ducts Under Road		SET Tec. Equipment Room
					Drainage Network		Hollow Steel Sleeper		SET Lineside Teleph. LOC
					Gas				New PHCC
									DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Consultant

Project

Drawing Title

DEPOT CIVIL PRELIMINARY DESIGN  
UTILITIES  
EXISTING AND PROPOSED UTILITIES

Scale: 1:500 @ A1

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

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 2 of 10





LEGEND		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		Cable Trough 0.21 m		DC Switching House
	ESB - HV Overhead		Cable Trough 0.27 m		Manhole
	ESB - MV Overhead		Cable Trough 0.43 m		SIGN LOC
	ESB - LV Overhead		Cable Ducts Under Green Area		IT CME LOC
	Watermain		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gravity network		Cable Ducts Under Road		SET Tec. Equipment Room
	Virgin (NTL - UPC)		Hollow Steel Sleeper		SET Lineside Teleph. LOC
	Gas Network (4 bar)		Industrial Sewage Network		New PHCC
			Sewage Pumping Network		DC Cabinets
			Water Supply Network		
			Drainage Network		
			Gas		

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Consultant

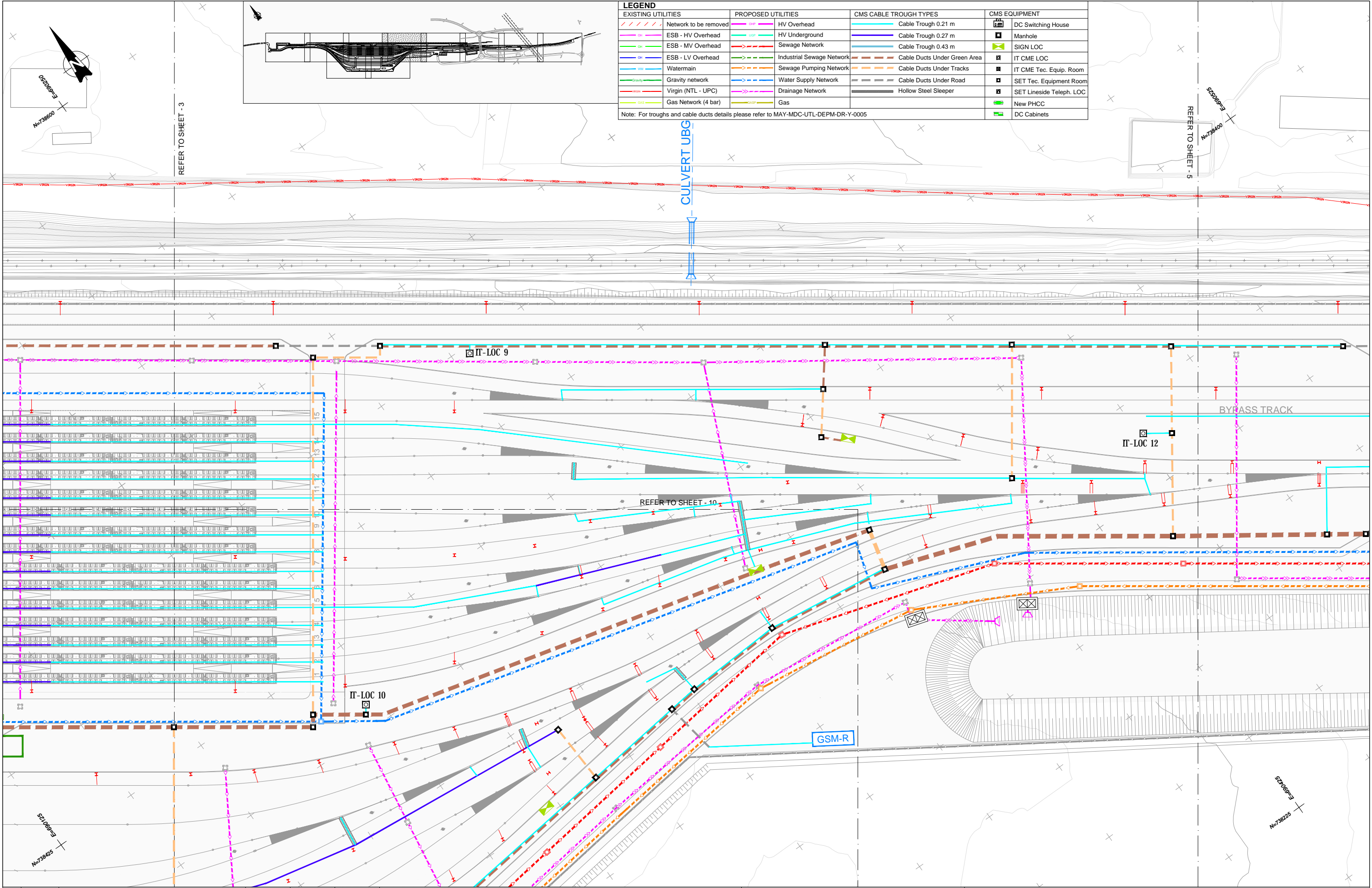
Project

Drawing Title

Scale: 1:500 @ A1

DEPOT CIVIL PRELIMINARY DESIGN					
UTILITIES					
EXISTING AND PROPOSED UTILITIES					
Drawing Number	Project	Originator	Discipline	Location	Type   Role   Number   Phase
MAY MDC UTL DEPM DR Y 0001	D				
Date:	Job No:	Status:	Rev:	Sheet: 3 of 10	
May 2022	P/101086	F1-Approved&Accepted	V 01		





LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Water Supply Network		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	Gravity network		Industrial Sewage Network		Sewage Pumping Network		Cable Ducts Under Green Area		IT CME LOC
	Virgin (NTL - UPC)		Drainage Network		Water Supply Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gas Network (4 bar)		Gas		Drainage Network		Cable Ducts Under Road		SET Tec. Equipment Room
					Hollow Steel Sleeper		Hollow Steel Sleeper		SET Lineside Teleph. LOC
									New PHCC
									DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
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V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK

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Client: **Tionscail Éireann Project Ireland 2040**

Consultant: **IDOM** and **PROJOD**

Project: **DART+ West**

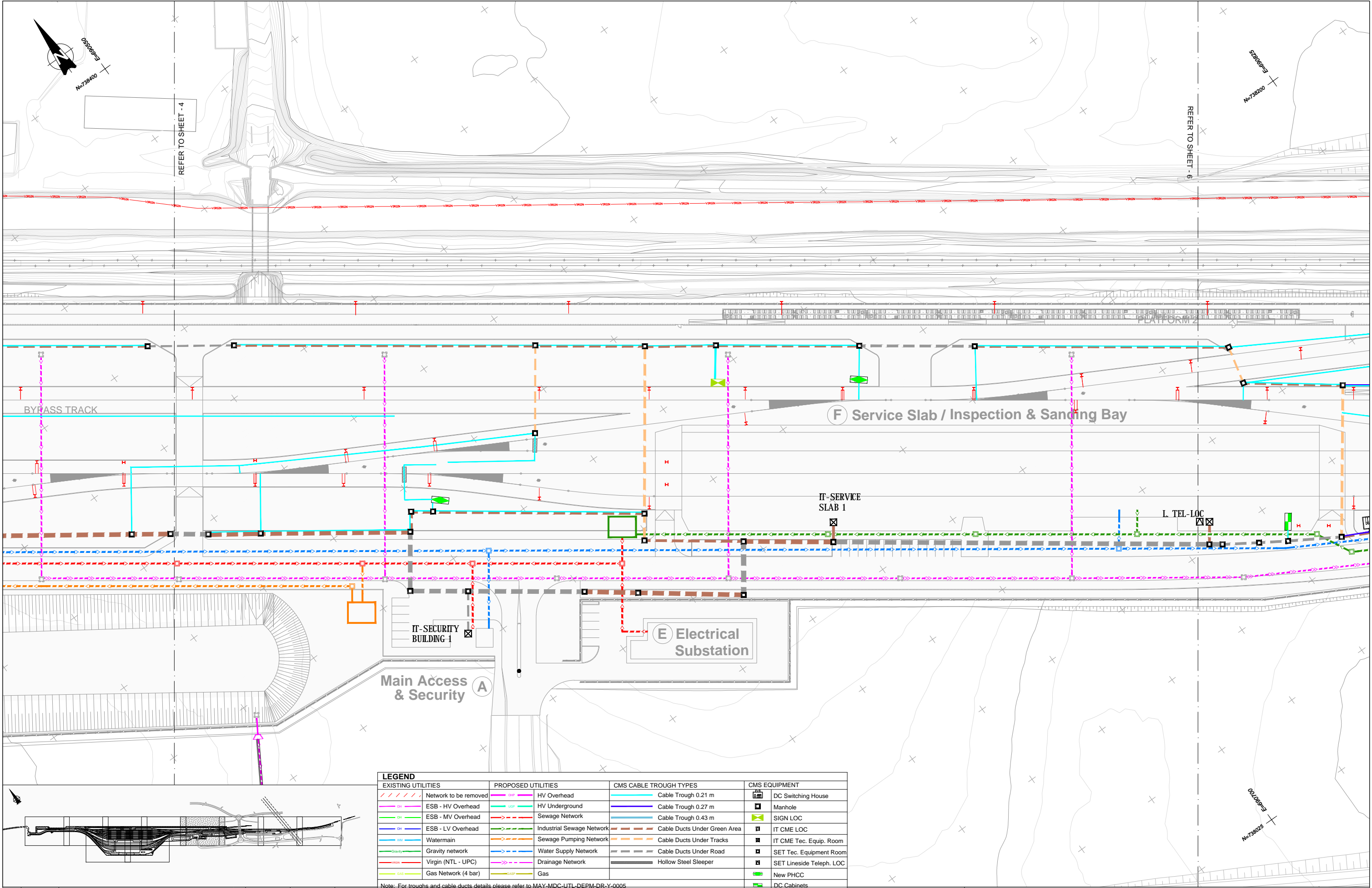
Drawing Title: **DEPOT CIVIL PRELIMINARY DESIGN UTILITIES EXISTING AND PROPOSED UTILITIES**

Scale: 1:500 @ A1

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

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 4 of 10





LEGEND		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - HV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	ESB - MV Overhead		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	ESB - LV Overhead		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME LOC
	Watermain		Sewage Pumping Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gravity network		Water Supply Network		Cable Ducts Under Road		SET Tec. Equipment Room
	Virgin (NTL - UPC)		Drainage Network		Hollow Steel Sleeper		SET Lineside Teleph. LOC
	Gas Network (4 bar)		Gas				New PHCC
							DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client:

Consultant:

Project:

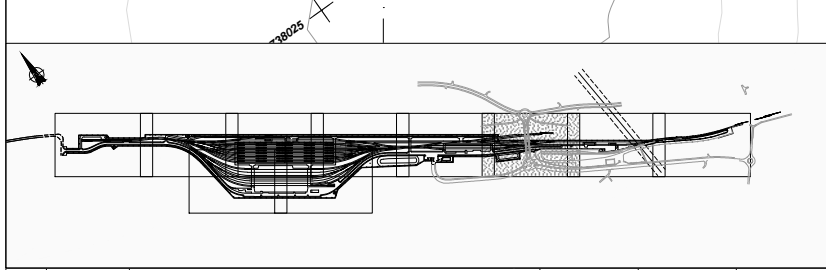
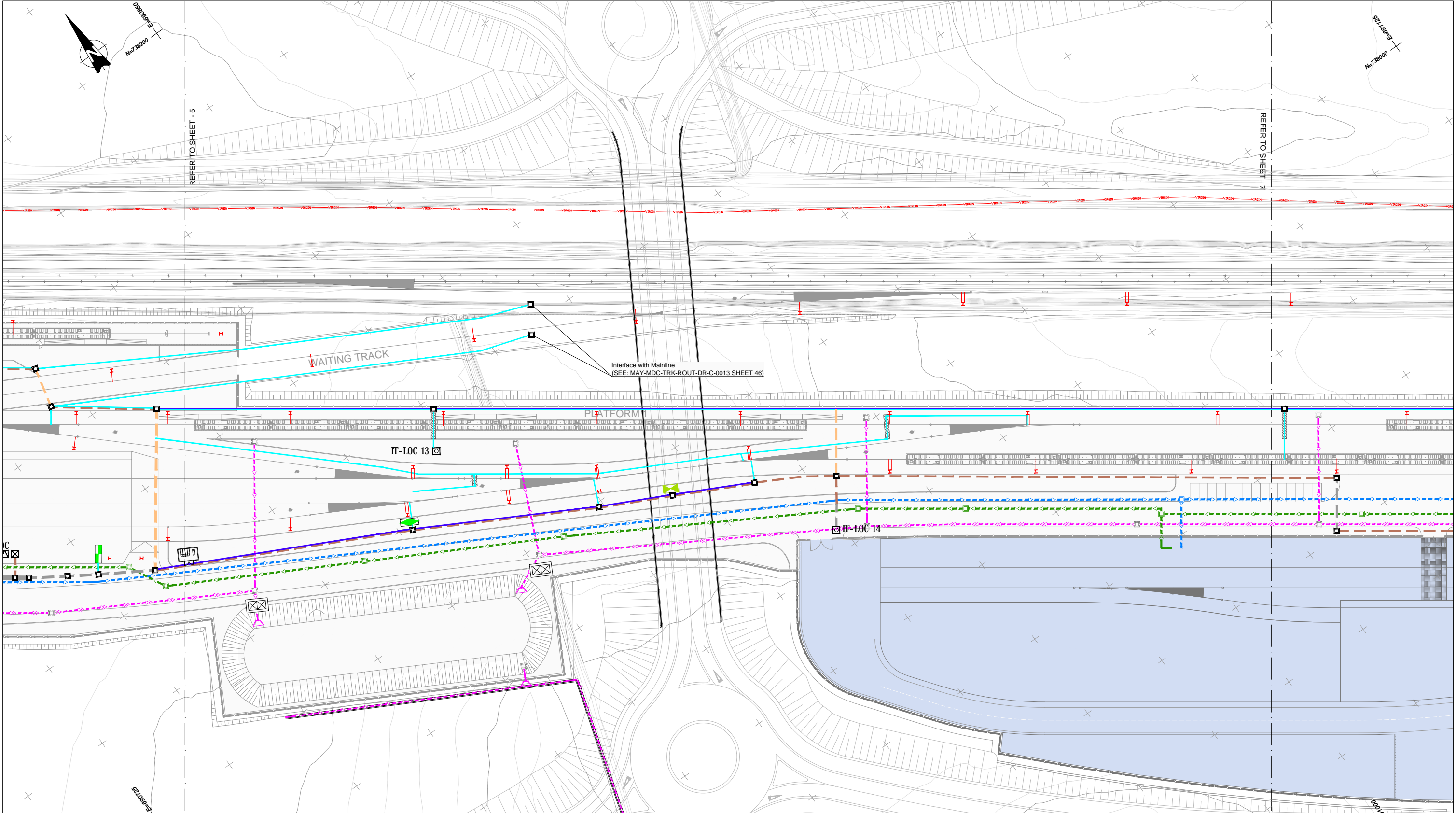
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Scale: 1:500 @ A1

Drawing Number: MAY MDC UTL DEPM DR Y 0001 D

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 5 of 10





LEGEND			
EXISTING UTILITIES	PROPOSED UTILITIES	CMS CABLE TROUGH TYPES	CMS EQUIPMENT
Network to be removed	HV Overhead	Cable Trough 0.21 m	DC Switching House
ESB - HV Overhead	HV Underground	Cable Trough 0.27 m	Manhole
ESB - MV Overhead	Sewage Network	Cable Trough 0.43 m	SIGN LOC
ESB - LV Overhead	Industrial Sewage Network	Cable Ducts Under Green Area	IT CME LOC
Watermain	Sewage Pumping Network	Cable Ducts Under Tracks	IT CME Tec. Equip. Room
Gravity network	Water Supply Network	Cable Ducts Under Road	SET Tec. Equipment Room
Virgin (NTL - UPC)	Drainage Network	Hollow Steel Sleeper	SET Lineside Teleph. LOC
Gas Network (4 bar)	Gas		New PHCC
			DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

REV.	DATE	DESCRIPTION	IMT	CCH	TMK
V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	IMT	CCH	TMK

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Client

Consultant

Project

Drawing Title

DEPOT CIVIL PRELIMINARY DESIGN  
UTILITIES  
EXISTING AND PROPOSED UTILITIES

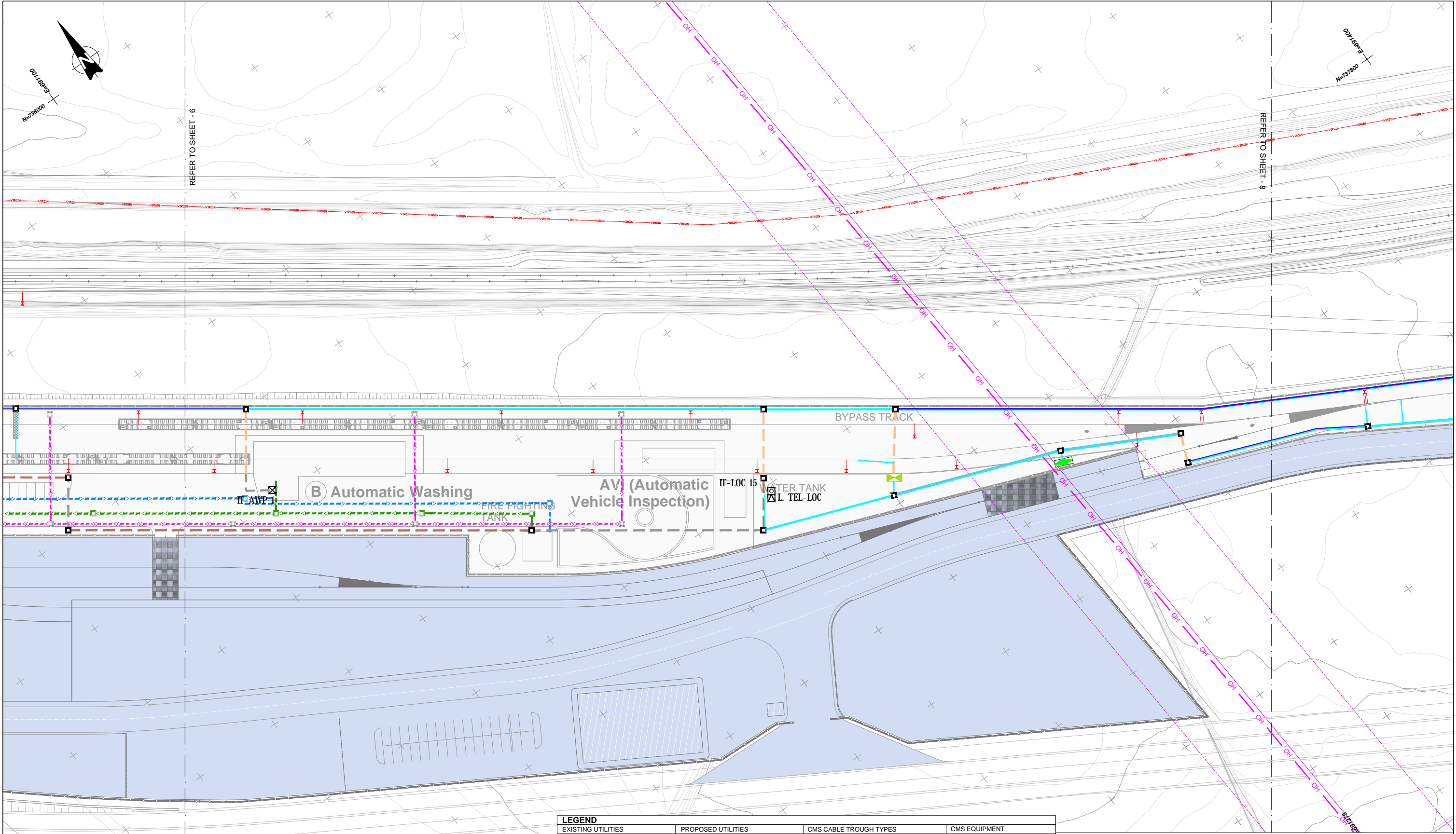
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY MDC UTL DEPM DR Y 0001 D

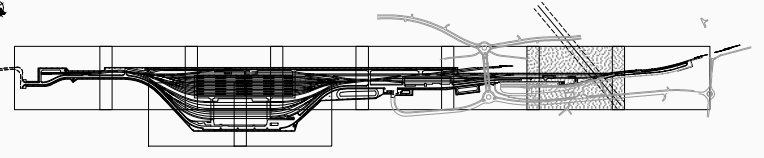
Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 6 of 10





LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Watermain		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	Gravity network		Virgin (NTL - UPC)		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME LOC
	Gas Network (4 bar)		Gas Network (4 bar)		Sewage Pumping Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
			Gas Network (4 bar)		Water Supply Network		Cable Ducts Under Road		SET Tec. Equipment Room
			Gas Network (4 bar)		Drainage Network		Hollow Steel Sleeper		SET Lineside Teleph. LOC
			Gas Network (4 bar)		Gas				New PHCC
			Gas Network (4 bar)		Gas				DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005



REV.	DATE	DESCRIPTION	IMT	CCH	TMK
V 06	03/12/2021	DESIGN REPORT			
V 09	13/05/2022	DESIGN REPORT			
V 08	08/04/2022	DESIGN REPORT			
V 07	11/02/2022	DESIGN REPORT			
REV.	DATE	DESCRIPTION	IMT	CCH	TMK

PRODUCED BY: IMT, CCH, TMK  
 REVIEWED BY: IMT, CCH, TMK  
 APPROVED BY: IMT, CCH, TMK

Client: Tionscail Éireann Project Ireland 2040, NTA Udarás Náisiúnta Iompartha National Transport Authority, Iarnród Éireann Irish Rail

Consultant: IDOM, G3, IROD

Project: DART+ West

Drawing Title: DEPOT CIVIL PRELIMINARY DESIGN UTILITIES EXISTING AND PROPOSED UTILITIES

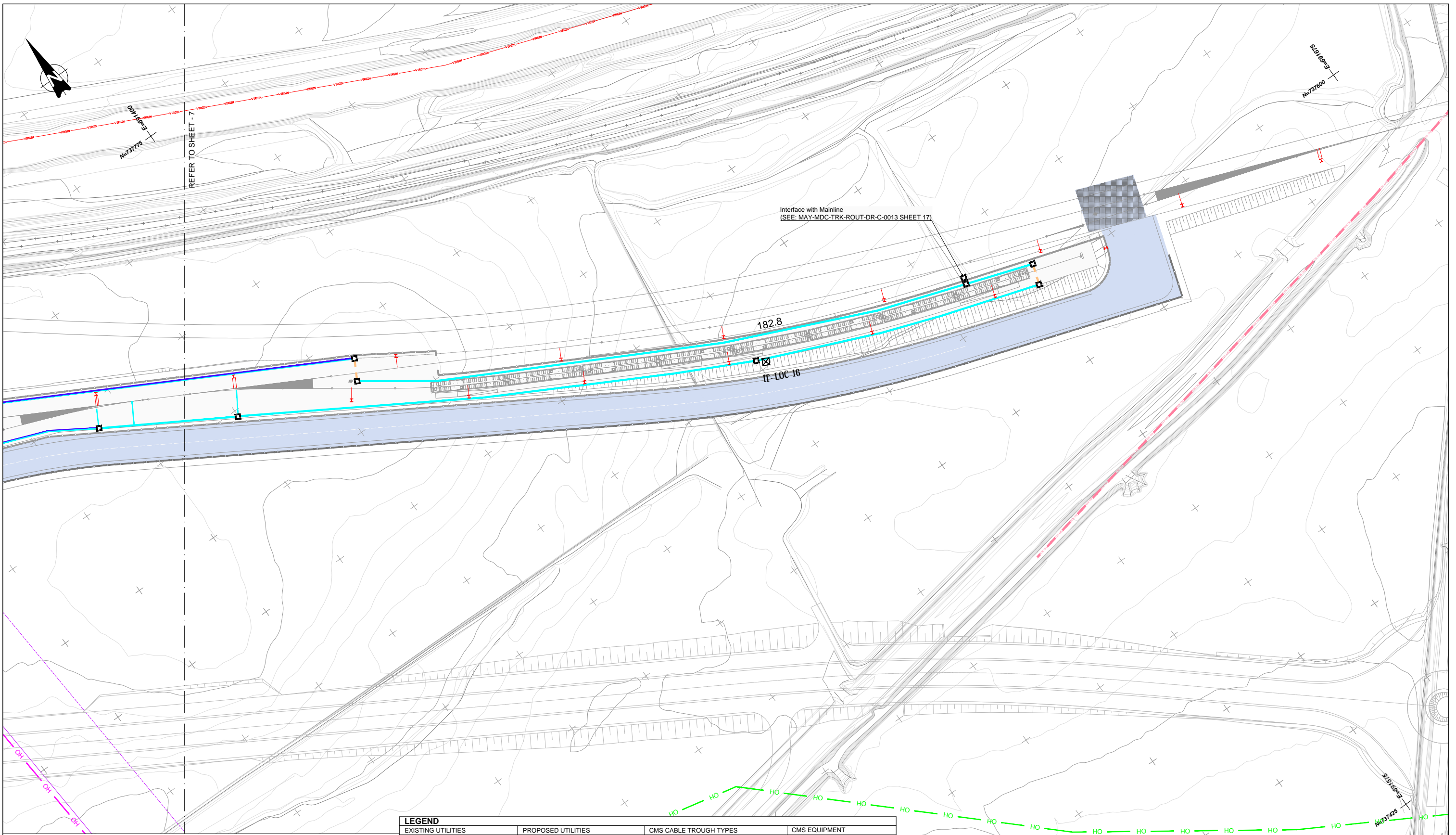
Drawing Number: MAY MDC UTL DEPM DR Y 0001 D

Scale: 1:500 @ A1

Date: May 2022, Job No: P/101086, Status: F1-Approved&Accepted, Rev: V 01, Sheet: 7 of 10

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EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - HV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	ESB - MV Overhead		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	ESB - LV Overhead		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME LOC
	Watermain		Sewage Pumping Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gravity network		Water Supply Network		Cable Ducts Under Road		SET Tec. Equipment Room
	Virgin (NTL - UPC)		Drainage Network		Hollow Steel Sleeper		SET Lineside Teleph. LOC
	Gas Network (4 bar)		Gas				New PHCC
							DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK

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Client

Consultant

Project

Drawing Title

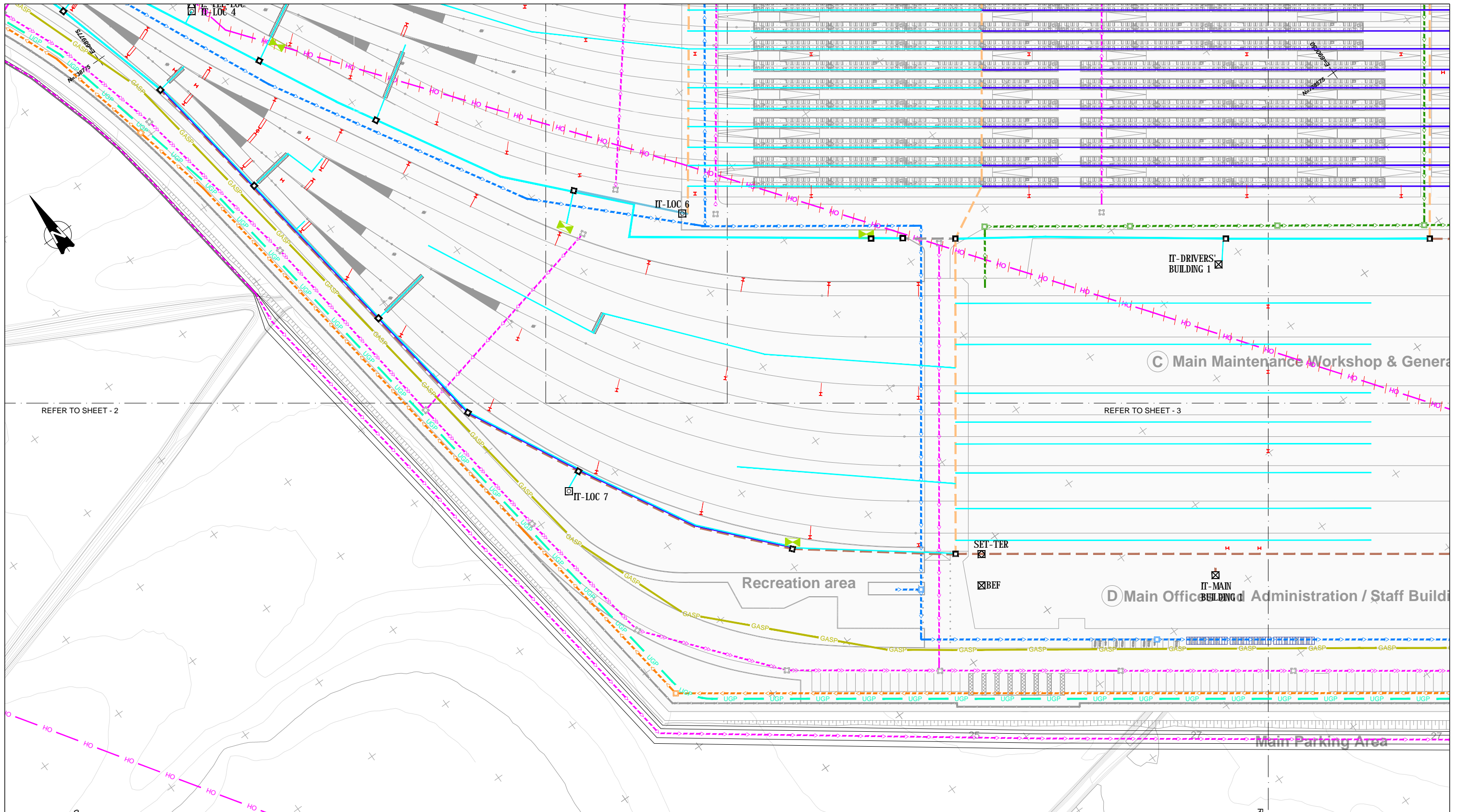
DEPOT CIVIL PRELIMINARY DESIGN  
UTILITIES  
EXISTING AND PROPOSED UTILITIES

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

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 8 of 10

Scale: 1:500 @ A1  
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REFER TO SHEET - 2

REFER TO SHEET - 3

REFER TO SHEET - 10

LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Watermain		Sewage Network		Cable Trough 0.43 m		IT CME LOC
	Gravity network		Virgin (NTL - UPC)		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME Tec. Equip. Room
	Virgin (NTL - UPC)		Gas Network (4 bar)		Sewage Pumping Network		Cable Ducts Under Tracks		SET Tec. Equipment Room
	Gas Network (4 bar)		Gas		Water Supply Network		Cable Ducts Under Road		SET Lineside Teleph. LOC
					Drainage Network		Hollow Steel Sleeper		New PHCC
					Gas				DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client

Consultant

Project

Drawing Title

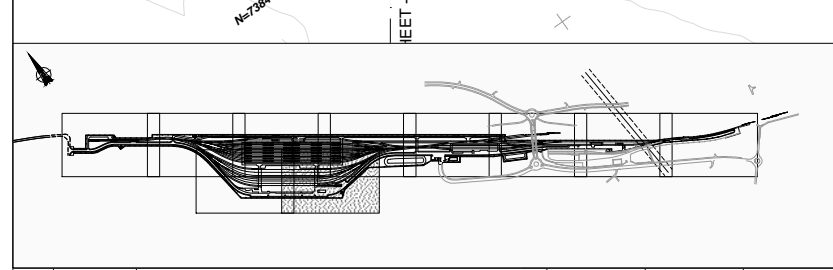
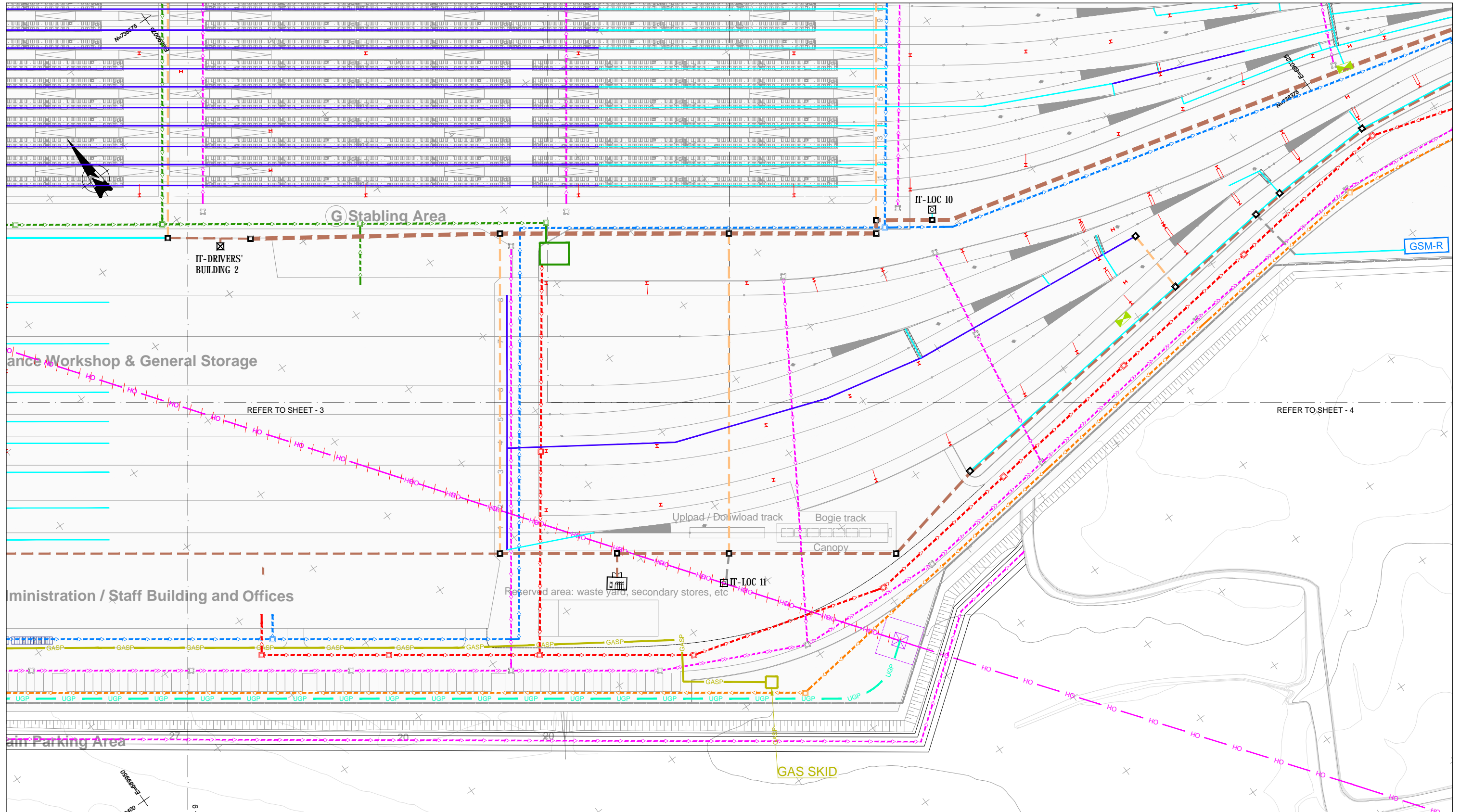
DEPOT CIVIL PRELIMINARY DESIGN  
UTILITIES  
EXISTING AND PROPOSED UTILITIES

Scale: 1:500 @ A1

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

Date: May 2022 | Job No: P/101086 | Status: F1-Approved&Accepted | Rev: V 01 | Sheet: 9 of 10





LEGEND		EXISTING UTILITIES		PROPOSED UTILITIES		CMS CABLE TROUGH TYPES		CMS EQUIPMENT	
	Network to be removed		ESB - HV Overhead		HV Overhead		Cable Trough 0.21 m		DC Switching House
	ESB - MV Overhead		ESB - LV Overhead		HV Underground		Cable Trough 0.27 m		Manhole
	Watermain		Watermain		Sewage Network		Cable Trough 0.43 m		SIGN LOC
	Gravity network		Industrial Sewage Network		Industrial Sewage Network		Cable Ducts Under Green Area		IT CME LOC
	Virgin (NTL - UPC)		Sewage Pumping Network		Sewage Pumping Network		Cable Ducts Under Tracks		IT CME Tec. Equip. Room
	Gas Network (4 bar)		Water Supply Network		Water Supply Network		Cable Ducts Under Road		SET Tec. Equipment Room
	Gas Network (4 bar)		Drainage Network		Drainage Network		Hollow Steel Sleeper		SET Lineside Teleph. LOC
	Gas Network (4 bar)		Gas		Gas				New PHCC
	Gas Network (4 bar)								DC Cabinets

Note: For troughs and cable ducts details please refer to MAY-MDC-UTL-DEPM-DR-Y-0005

V 06	03/12/2021	DESIGN REPORT	IMT	CCH	TMK
V 09	13/05/2022	DESIGN REPORT	IMT	CCH	TMK
V 08	08/04/2022	DESIGN REPORT	IMT	CCH	TMK
V 07	11/02/2022	DESIGN REPORT	IMT	CCH	TMK
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY

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Client:

Consultant:

Project:

Drawing Title: DEPOT CIVIL PRELIMINARY DESIGN UTILITIES EXISTING AND PROPOSED UTILITIES

Drawing Number: MAY MDC UTL DEPM DR Y 0001 D

Scale: 1:500 @ A1

Date: May 2022

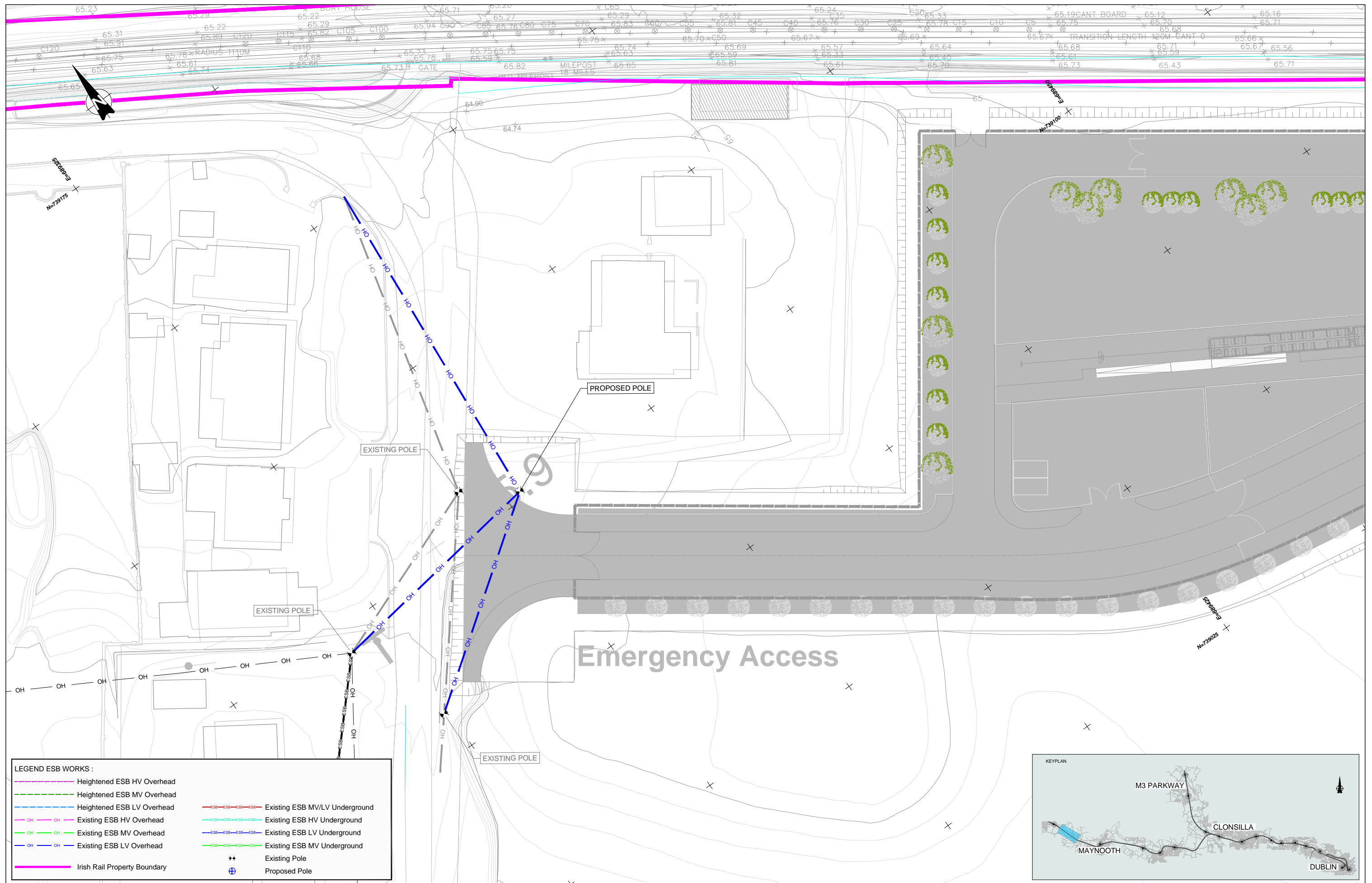
Job No: P/101086

Status: F1-Approved&Accepted

Rev: V 01

Sheet: 10 of 10





**LEGEND ESB WORKS :**

	Heightened ESB HV Overhead		Existing ESB MV/LV Underground
	Heightened ESB MV Overhead		Existing ESB HV Underground
	Heightened ESB LV Overhead		Existing ESB LV Underground
	Existing ESB HV Overhead		Existing ESB MV Underground
	Existing ESB MV Overhead		Existing ESB MV Underground
	Existing ESB LV Overhead		Existing Pole
	Irish Rail Property Boundary		Proposed Pole

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

Consultant

Project

Drawing Title

UTILITIES DIVERSIONS  
WEST DEPOT  
MEDIUM & LOW VOLTAGE LAYOUT PLAN

Scale: 1:250 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY MDC UTL DEPM DR Y 0220 D

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