



REV	DATE	DESCRIPTION	IMT	CCH	TMK
V01	April 2022	PLANNING ISSUE			
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 All elevations are in metres and relate to OS Geoid Mean (OSGM02) Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OS active GPS station Tallaght College (TL49).

Client

Tionscald Éireann
Project Ireland
2040

NTA
Údarás Náisiúnta Iompartha
National Transport Authority

Irish Rail
DART+
West

Consultant

IDOM

G3

PROD
BORGAN & O'DONOVAN

Project

DART+
West

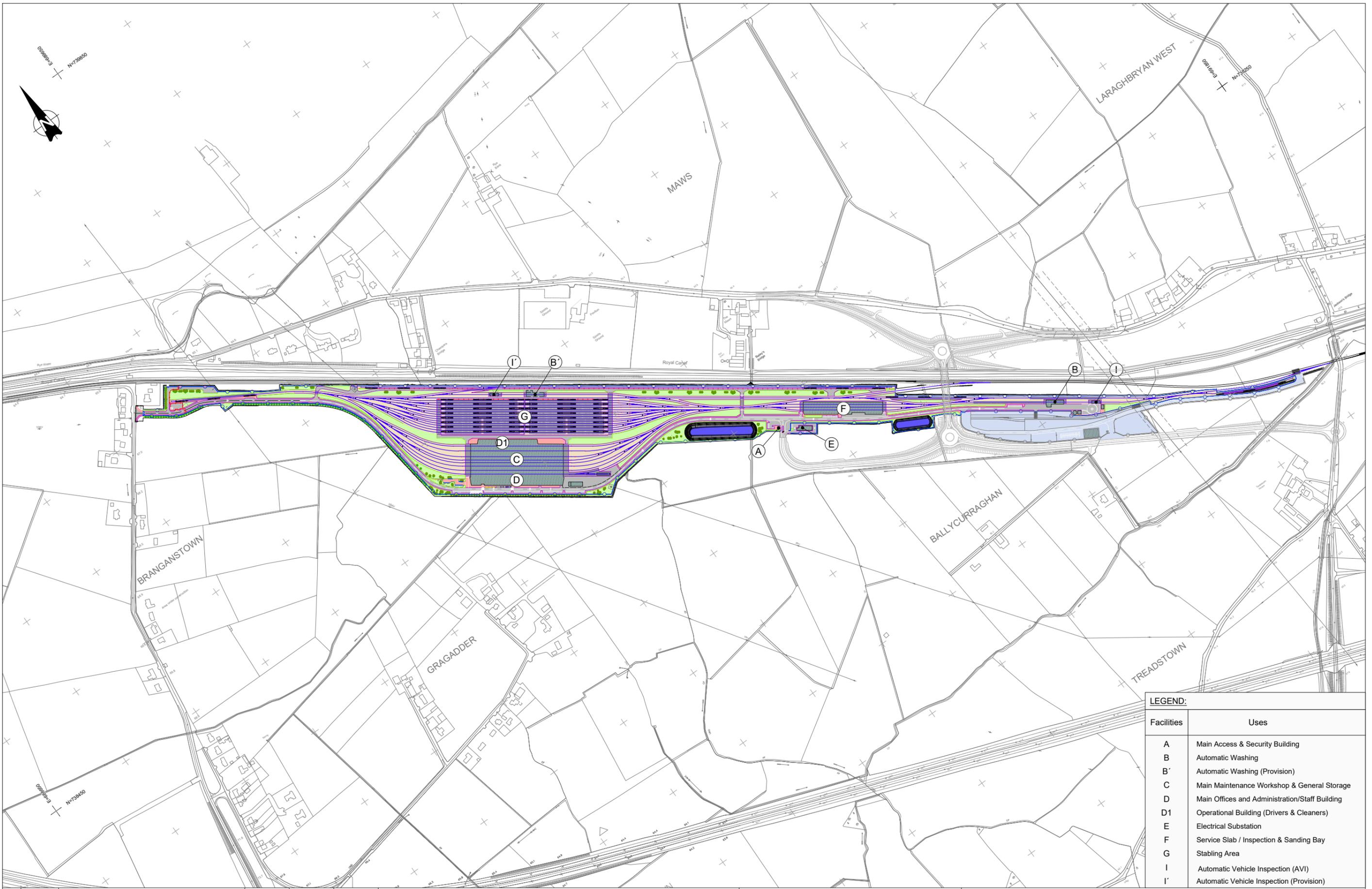
Drawing Title

DEPOT CIVIL DESIGN
GENERAL ARRANGEMENT
LOCATION, BOUNDARIES & SCOPE LIMITS

Scale:
1:5000 @ A1 1:10000 @ A3

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

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 1 of 1



LEGEND:

Facilities	Uses
A	Main Access & Security Building
B	Automatic Washing
B'	Automatic Washing (Provision)
C	Main Maintenance Workshop & General Storage
D	Main Offices and Administration/Staff Building
D1	Operational Building (Drivers & Cleaners)
E	Electrical Substation
F	Service Slab / Inspection & Sanding Bay
G	Stabling Area
I	Automatic Vehicle Inspection (AVI)
I'	Automatic Vehicle Inspection (Provision)

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Project Ireland
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National Transport Authority

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Irish Rail

Consultant

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EÓIRIÁN & O'BRÉADHÁIN

Project

DART+
West

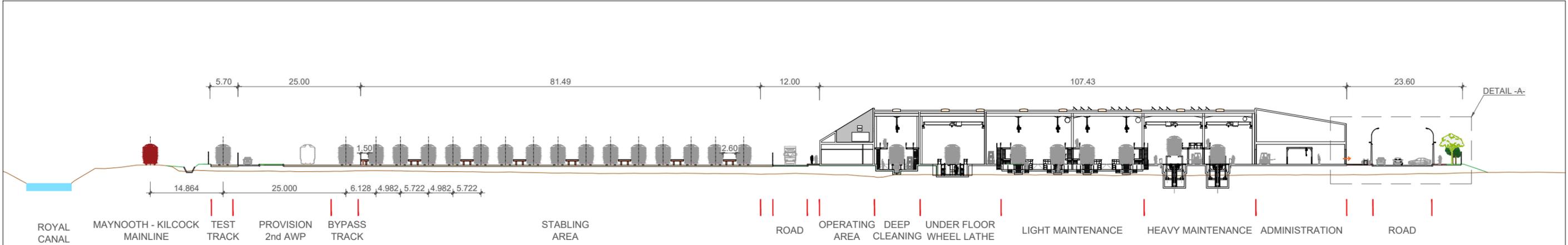
Drawing Title

DEPOT CIVIL DESIGN
GENERAL ARRANGEMENT
BUILDINGS LAYOUT

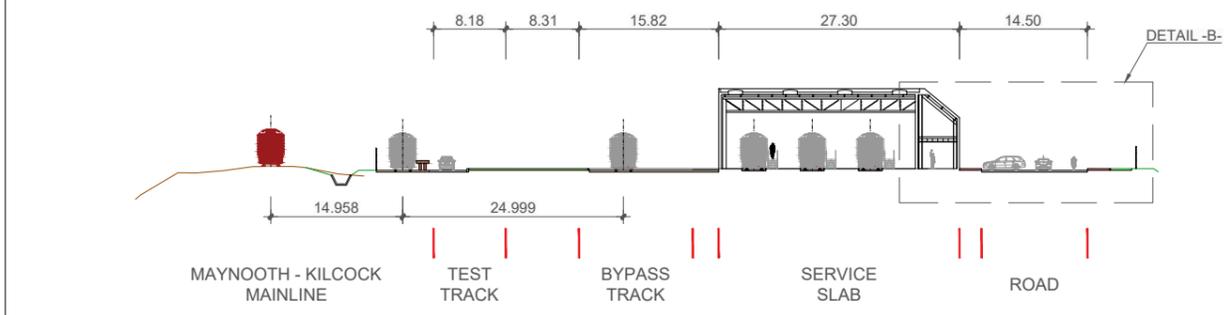
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC CIV DEPM DR Y 0002 D

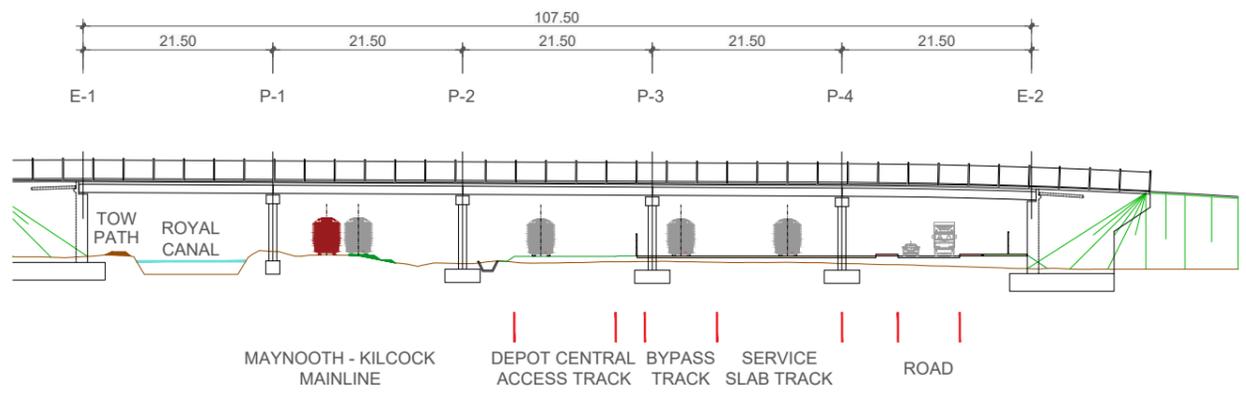
Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 1 of 1



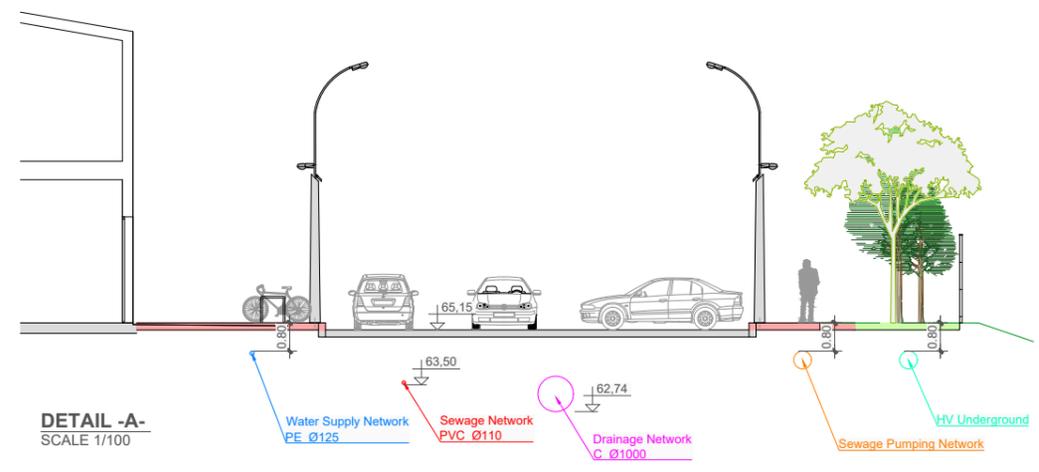
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SCALE 1/400



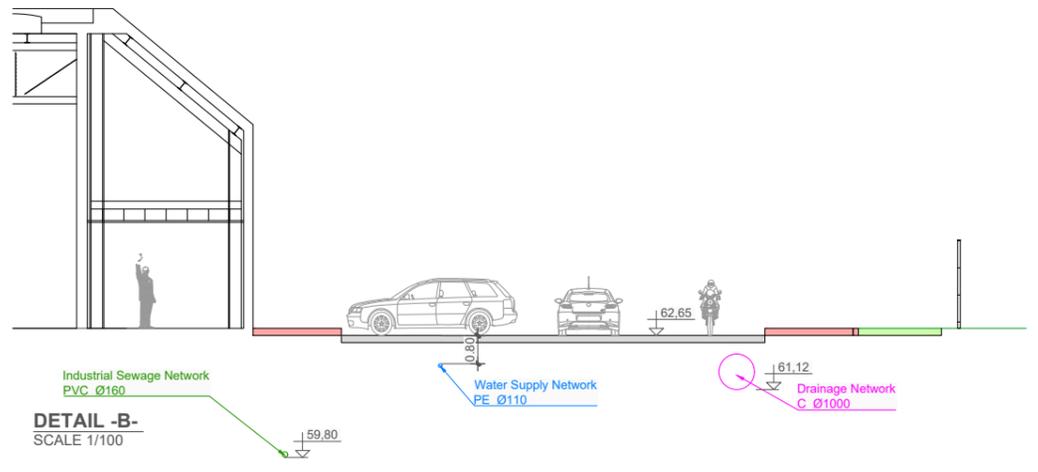
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SCALE 1/400



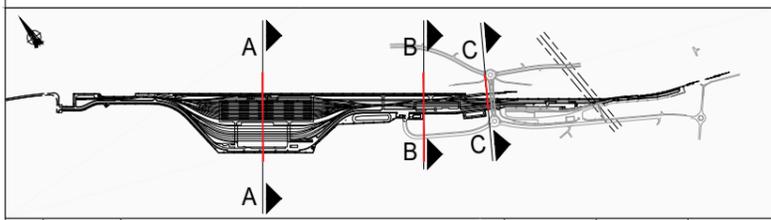
SECTION C-C (OBG23A)
SCALE 1/400



DETAIL -A-
SCALE 1/100

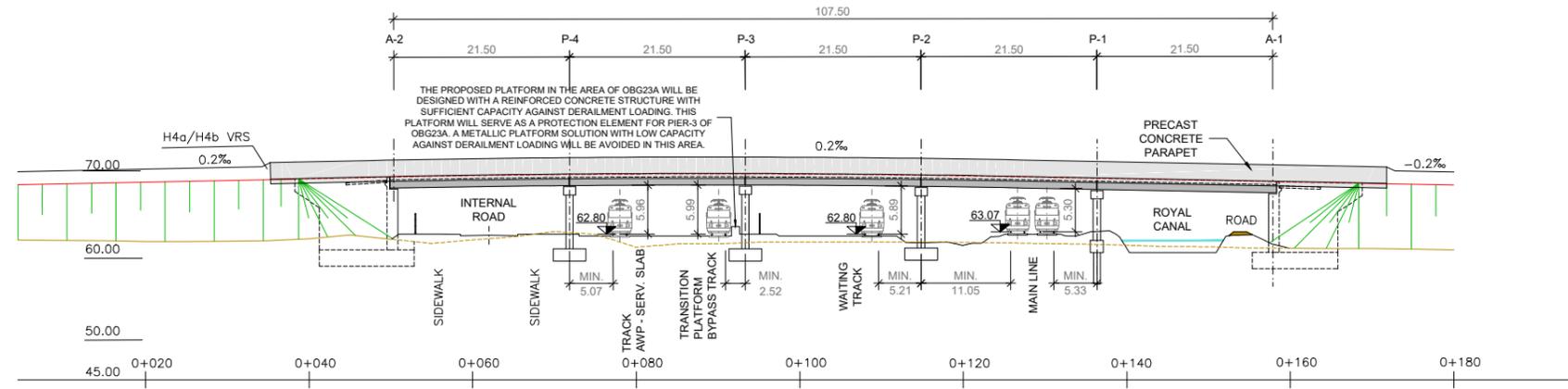


DETAIL -B-
SCALE 1/100

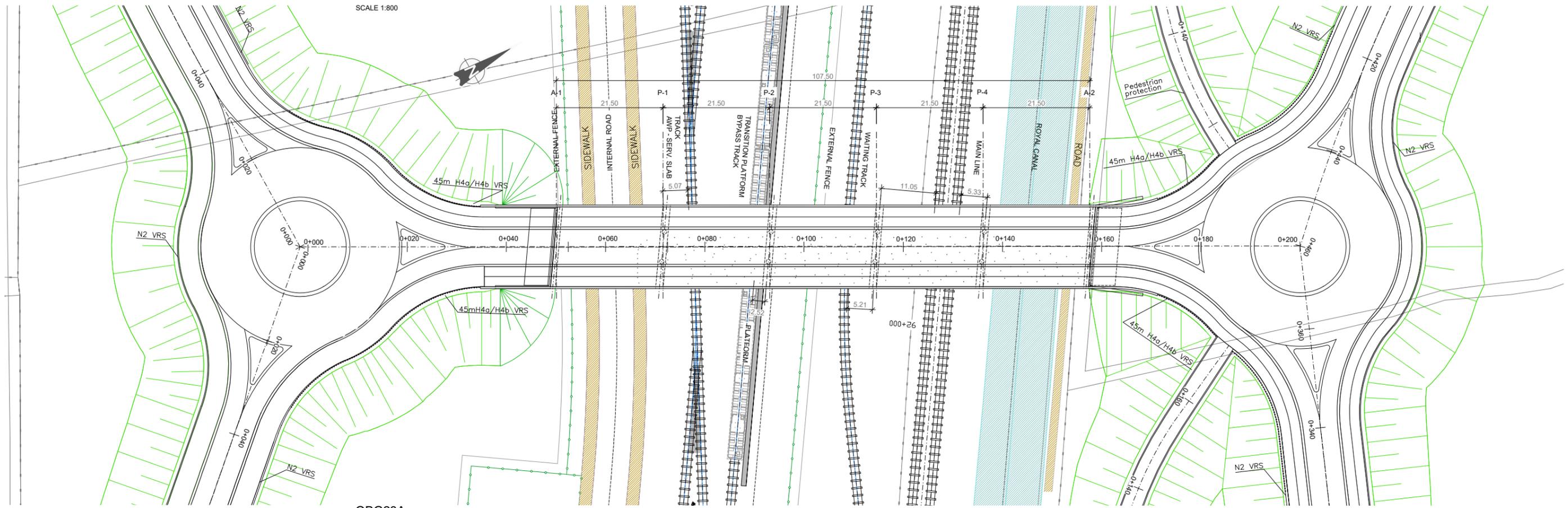


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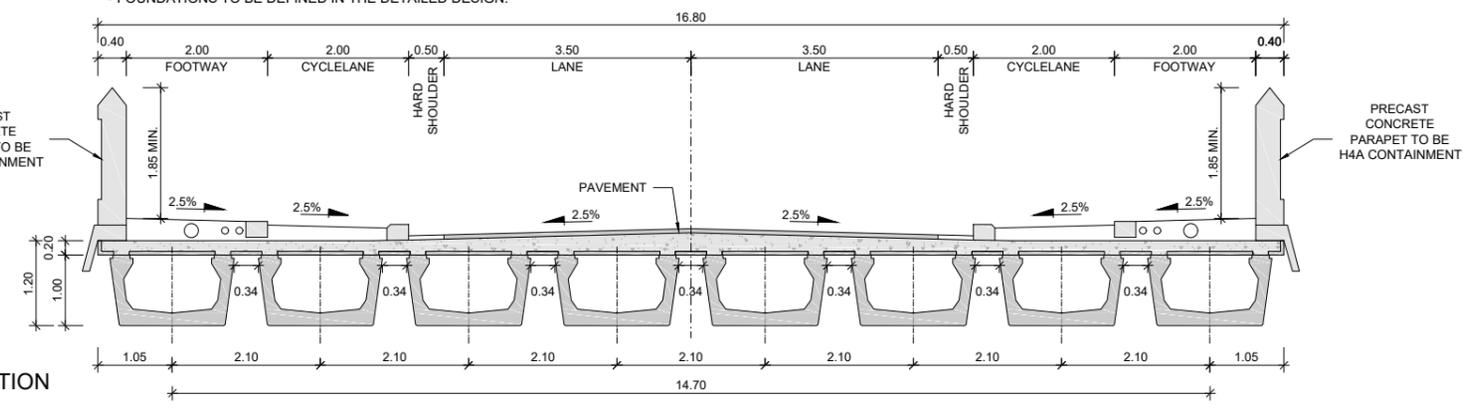
Client		Project		Drawing Title	<p>DEPOT CIVIL DESIGN GENERAL ARRANGEMENT SECTIONS</p>
Consultant				Scale:	<p>Indicated @ A1 Indicated @ A3</p>
				Drawing Number	<p>Project Originator Discipline Location Type Role Number Phase</p> <p>MAY MDC CIV DEPM DR Y 0006 D</p>
				Date:	<p>April 2022</p>
				Job No:	<p>P/101086</p>
				Status:	<p>F1-Approved & accepted</p>
				Rev:	<p>V01</p>
				Sheet:	<p>1 of 1</p>



**OBG23A
ELEVATION**
SCALE 1:800



**OBG23A
PLAN**
SCALE 1:800



**PROPOSED
CROSS SECTION**
SCALE 1:50

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Project Ireland
2040

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National Transport Authority

lamróid Éireann
Irish Rail

Consultant

IDOM

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IROD
SOLIGAN & O'DONOVAN

Project

DART+
West

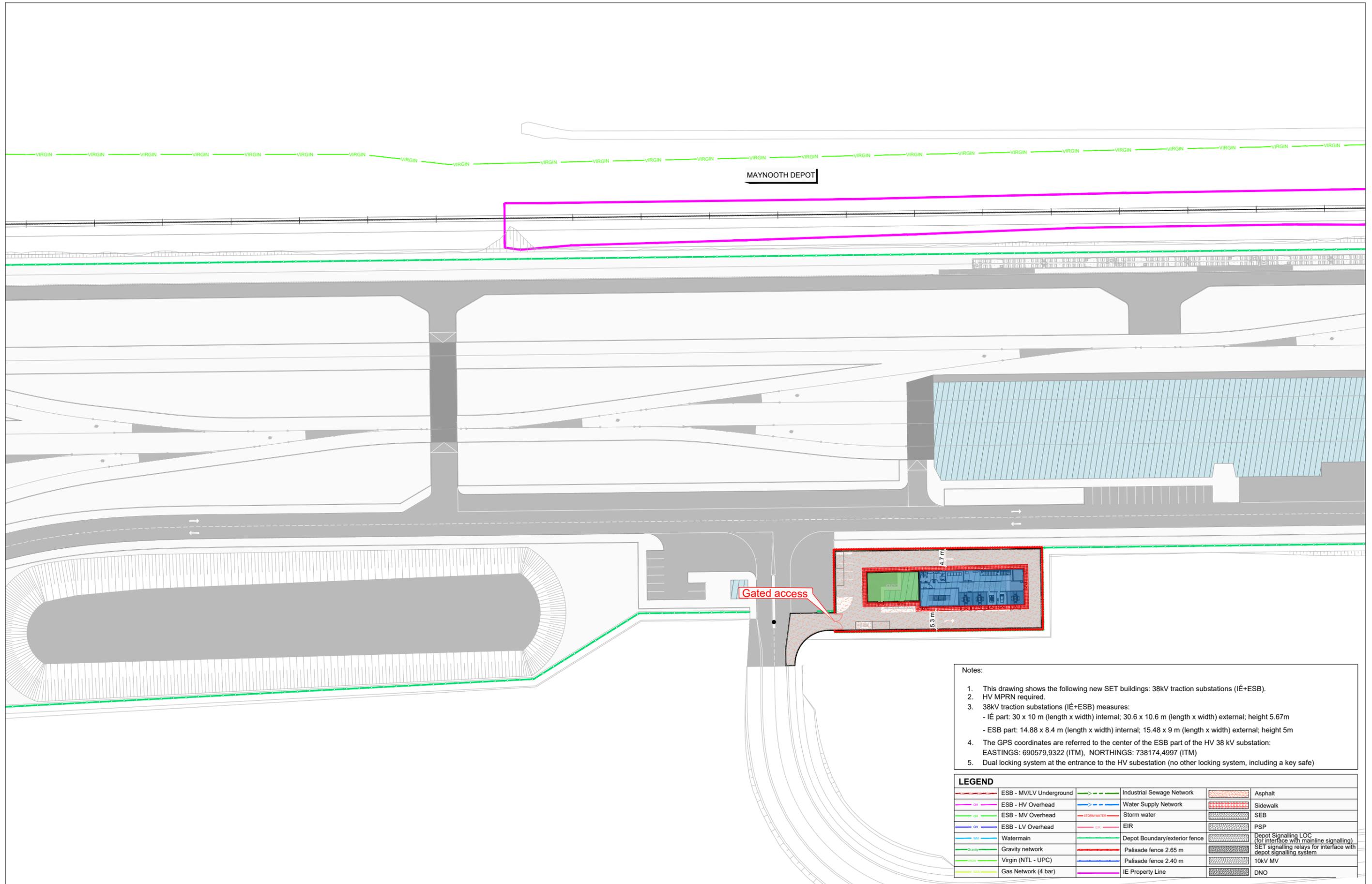
Drawing Title

STRUCTURE DESIGN
OBG23A. PLAN, ELEVATION & SECTION DETAIL

Scale:
1:1000 @ A1 1:2000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC STR SC07 DR C 0001 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 1 of 1



MAYNOOTH DEPOT

Gated access

- Notes:
1. This drawing shows the following new SET buildings: 38kV traction substations (IE+ESB).
 2. HV MPRN required.
 3. 38kV traction substations (IE+ESB) measures:
 - IE part: 30 x 10 m (length x width) internal; 30.6 x 10.6 m (length x width) external; height 5.67m
 - ESB part: 14.88 x 8.4 m (length x width) internal; 15.48 x 9 m (length x width) external; height 5m
 4. The GPS coordinates are referred to the center of the ESB part of the HV 38 kV substation:
EASTINGS: 690579.9322 (ITM), NORTHINGS: 738174.4997 (ITM)
 5. Dual locking system at the entrance to the HV substation (no other locking system, including a key safe)

LEGEND			
	ESB - MV/LV Underground		Industrial Sewage Network
	ESB - HV Overhead		Water Supply Network
	ESB - MV Overhead		Storm water
	ESB - LV Overhead		EIR
	Watermain		Depot Boundary/external fence
	Gravity network		Palisade fence 2.65 m
	Virgin (NTL - UPC)		Palisade fence 2.40 m
	Gas Network (4 bar)		IE Property Line
	Asphalt		SEB
	Sidewalk		PSP
	Depot Signalling LOC (for interface with mainline signalling)		SET signalling relays for interface with depot signalling system
	10kV MV		DNO

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Client

Consultant

Project

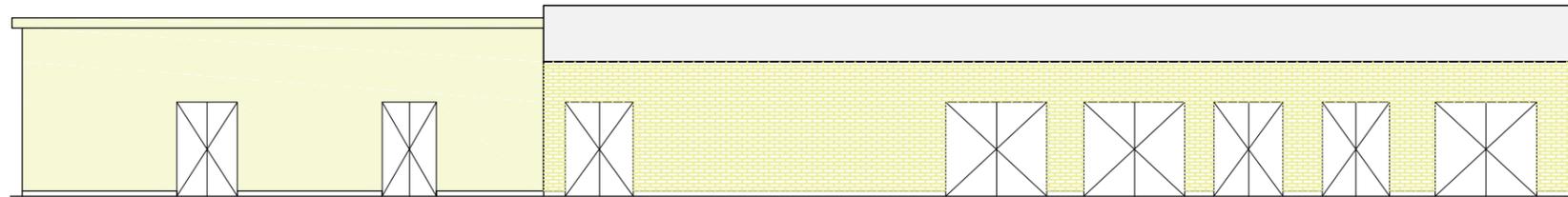
Drawing Title

SET TECHNICAL BUILDINGS
MAYNOOTH DEPOT
(INSIDE DEPOT AREA)

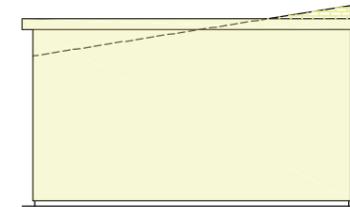
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC SET DEPM DR Z 0003 D

Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 01 of 01

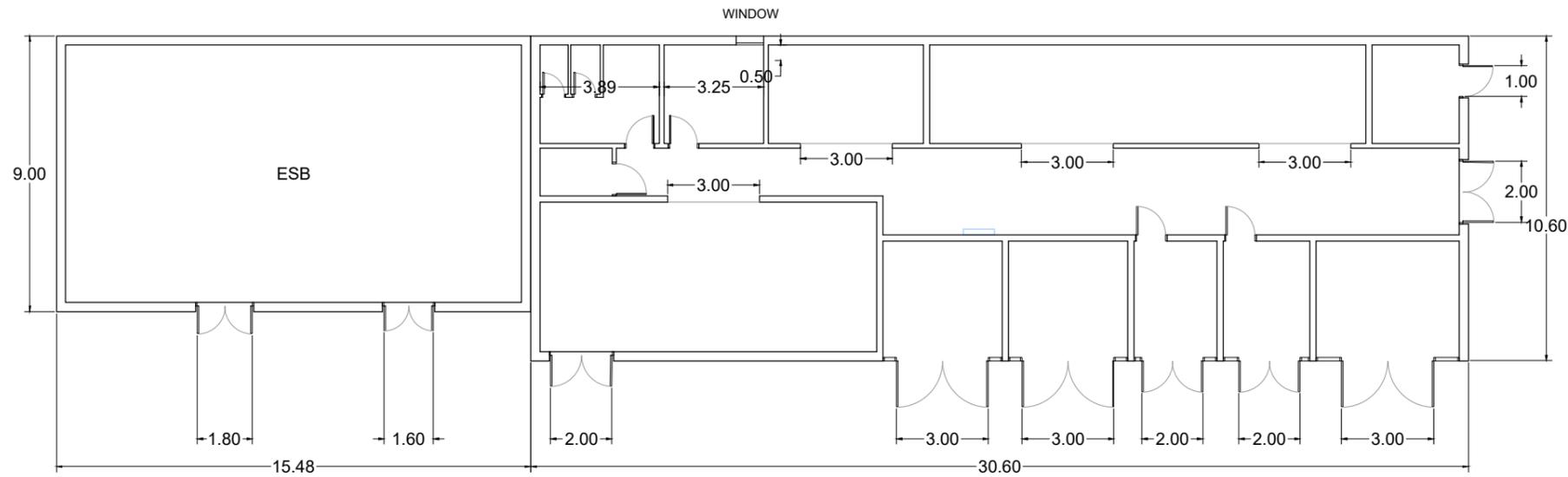


FRONT VIEW



VIEW 1-1'

1



PLAN VIEW

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Client

Consultant

Project

Drawing Title

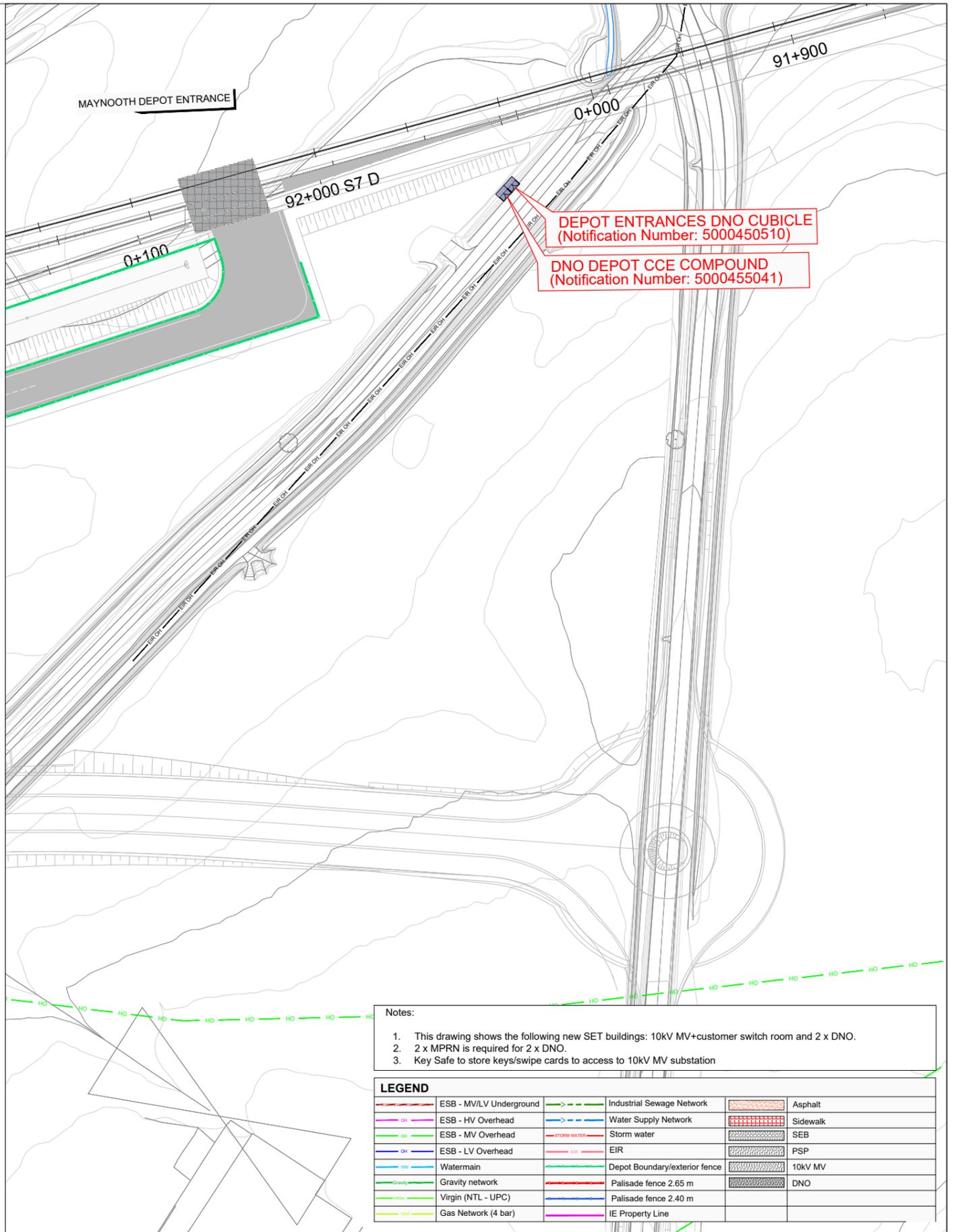
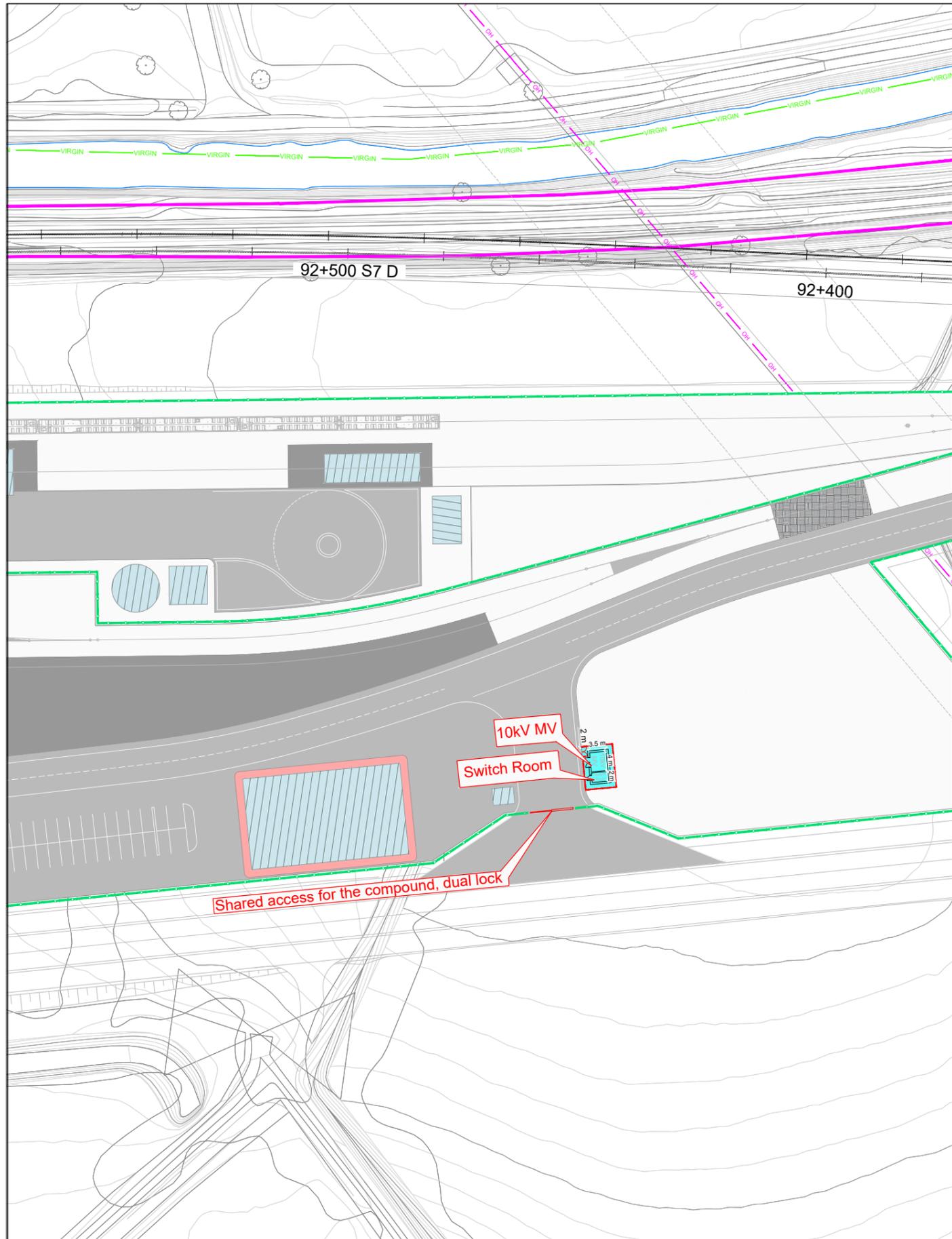
SET TECHNICAL BUILDINGS
DEPOT BUILDINGS DETAIL

Scale: 1/200@ A3

Date:	Job No:	Status:	Rev:	Sheet:
April 2022	P/101086	F1-Approved & accepted	V01	01 of 01

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

MAY MDC SET ROUT DR Z 0010 D



- Notes:
1. This drawing shows the following new SET buildings: 10kV MV+customer switch room and 2 x DNO.
 2. 2 x MPRN is required for 2 x DNO.
 3. Key Safe to store keys/swipe cards to access to 10kV MV substation

LEGEND			
ESB - MV/LV Underground	Industrial Sewage Network	Asphalt	
ESB - HV Overhead	Water Supply Network	Sidewalk	
ESB - MV Overhead	Storm water	SEB	
ESB - LV Overhead	EIR	PSP	
Watermain	Depot Boundary/interior fence	10kV MV	
Gravity network	Palisade fence 2.65 m	DNO	
Virgin (NTL - UPC)	Palisade fence 2.40 m		
Gas Network (4 bar)	IE Property Line		

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Project Ireland
2040

NTA
Údarás Náisiúnta Iompair
National Transport Authority

Iarnród Éireann
Irish Rail

Consultant

IDOM

C3

PROJOD
RODRIGAN & O'SHEA

Project

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West

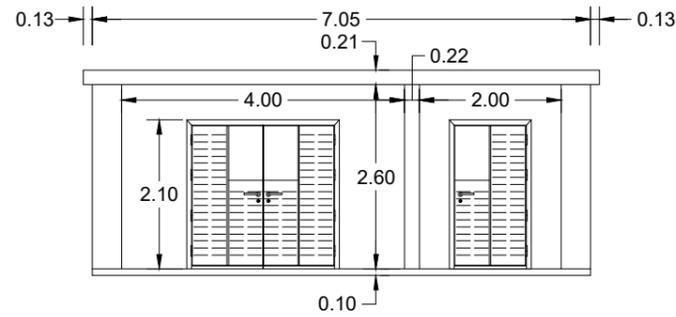
Drawing Title

SET TECHNICAL BUILDINGS
MAYNOOTH DEPOT ENTRANCE+CCE COMPOUND

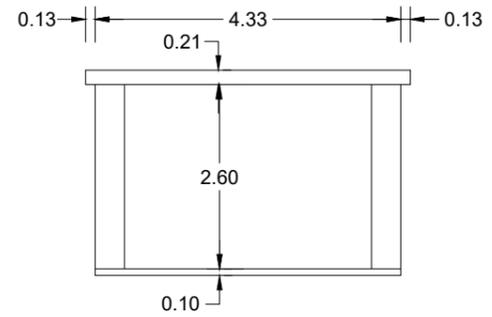
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Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC SET DEPM DR Z 0004 D

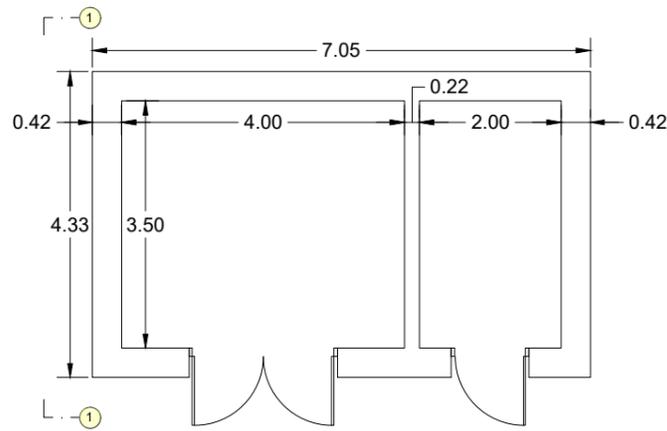
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FRONT VIEW



VIEW 1'-1'



PLANT VIEW

10KV MV & SWITCH ROOM BUILDING

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Client

Consultant

Project

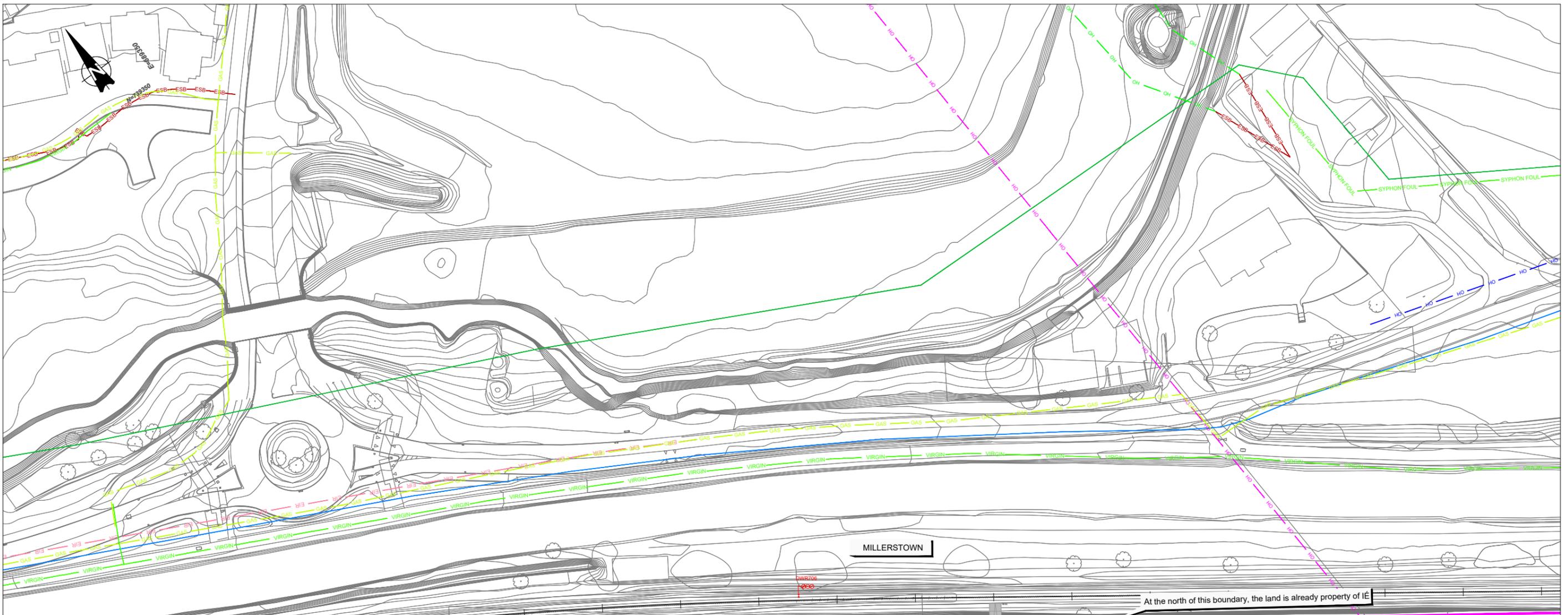
Drawing Title

SET TECHNICAL BUILDINGS
DEPOT ENTRANCE
CCE COMPOUND BUILDINGS DETAIL

Scale:
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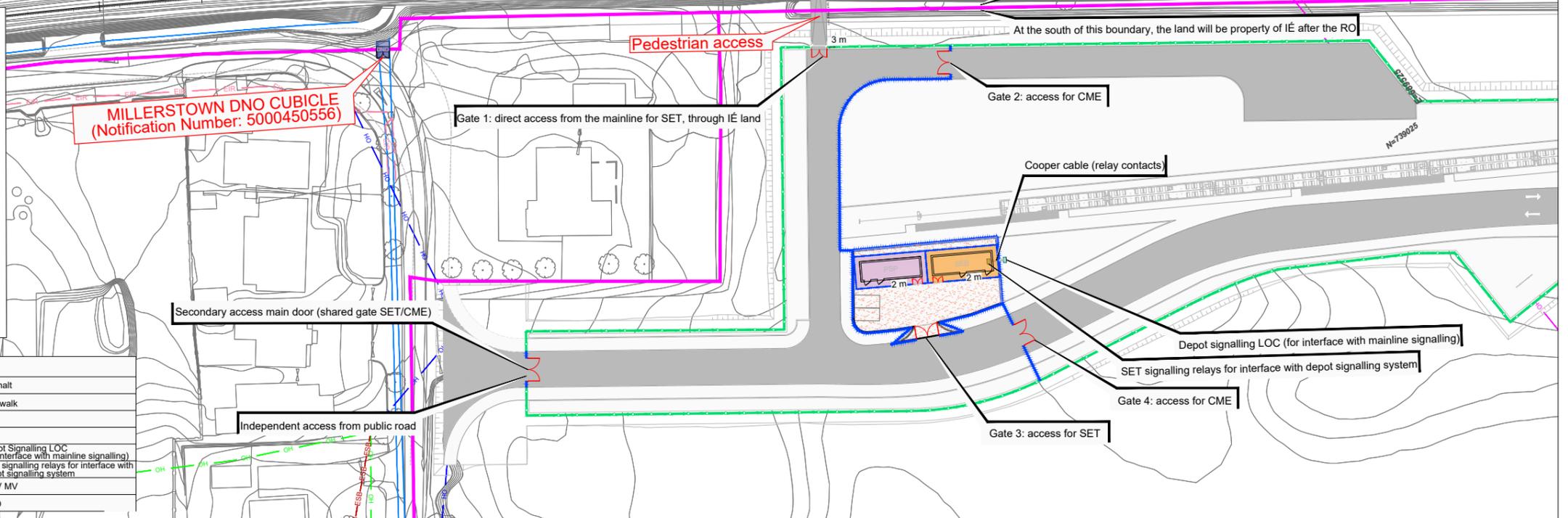
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April 2022	P/101086	F1-Approved & accepted	V01	01 of 01

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MAY MDC SET ROUT DR Z 0010 D



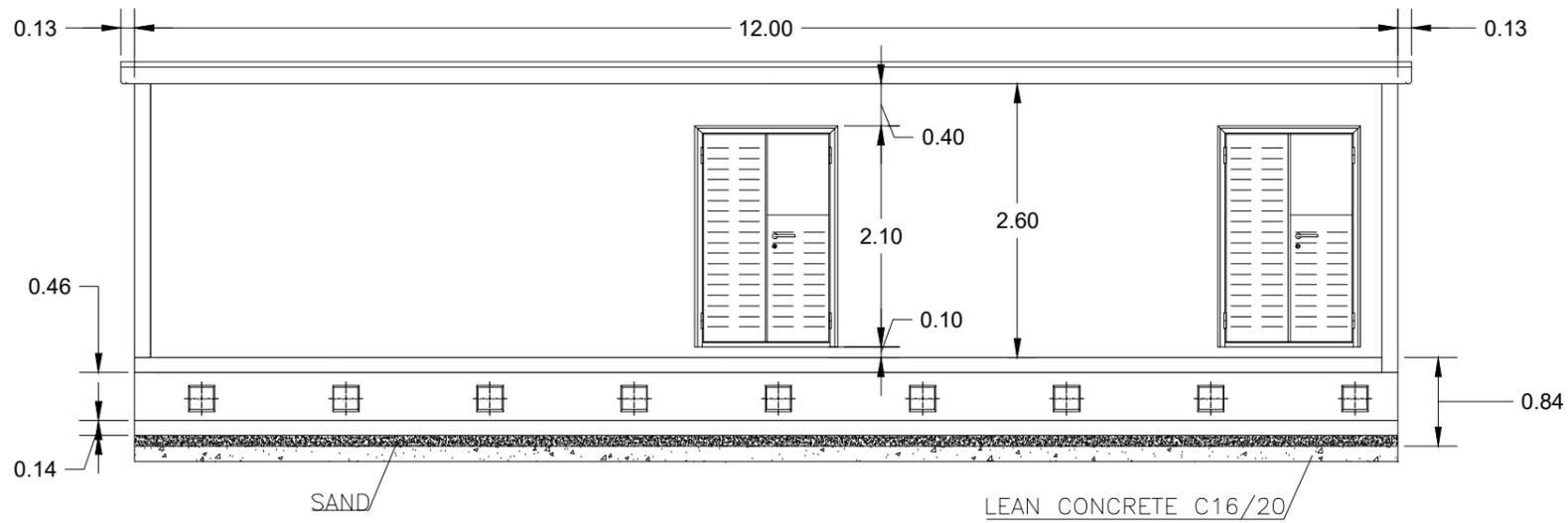
- NOTES:**
- GENERAL:**
- This drawing shows the following new SET buildings: SEB, PSP.
- ACCESS CONTROL + CCTV:**
- All gates in the drawing have access control (fob) + CCTV
 - Depot access control system can open remotely from main depot building
 - CME+SET use card access
 - CME have access to secondary access main door, gate 2 and gate 4
 - SET have access to secondary access main door, gate 1, gate 3
 - Access control rule: when secondary access main door is opened by CME, gate 4 is automatically opened too
 - All gates automated and closing automatically after a set time period
 - Access control rules + CCTV locations will be revisited and further developed at detailed design stage
- FENCES:**
- Shown with different colours exterior and interior fencing
 - Exterior fencing: high level of security
 - Interior fencing: only to separate areas

LEGEND		
ESB - MV/LV Underground	Industrial Sewage Network	Asphalt
ESB - HV Overhead	Water Supply Network	Sidewalk
ESB - MV Overhead	Storm water	SEB
ESB - LV Overhead	EIR	PSP
Watermain	Depot Boundary/exterior fence	Depot Signalling LOC (for interface with mainline signalling)
Gravity network	Palisade fence 2.65 m	SET signalling relays for interface with depot signalling system
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Gas Network (4 bar)	IE Property Line	DNO

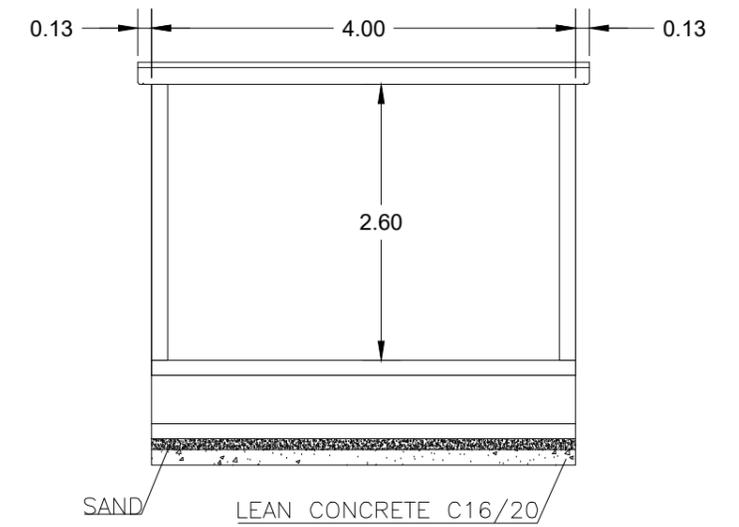


Client 			Project 			Drawing Title SET TECHNICAL BUILDINGS MILLERSTOWN		
Consultant 			Scale: 1:500 @ A1 			Drawing Number Project Originator Discipline Location Type Role Number Phase MAY MDC SET RS21 DR Z 0003 D		
REV. DATE DESCRIPTION V01 April 2022 PLANNING ISSUE PRODUCED BY REVIEWED BY APPROVED BY MCG MPT CCS			Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 01 of 01					

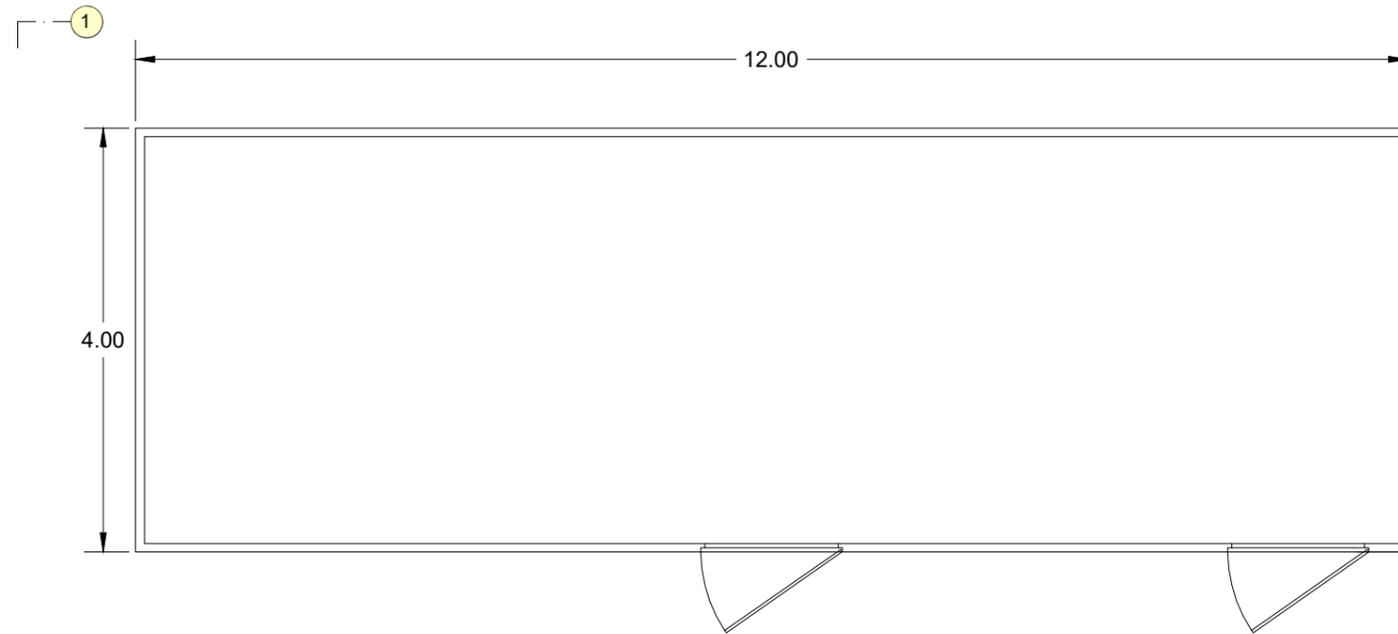
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FRONT VIEW



VIEW 1'-1'

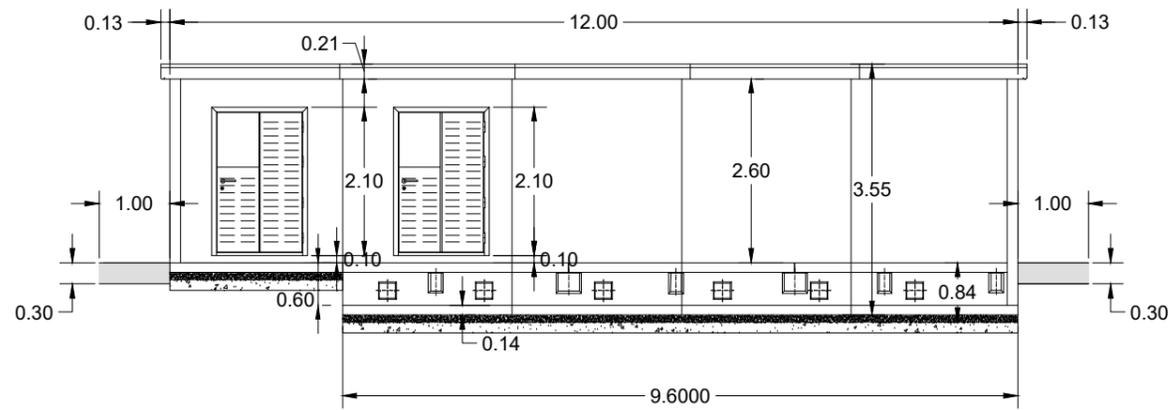


PLANT VIEW

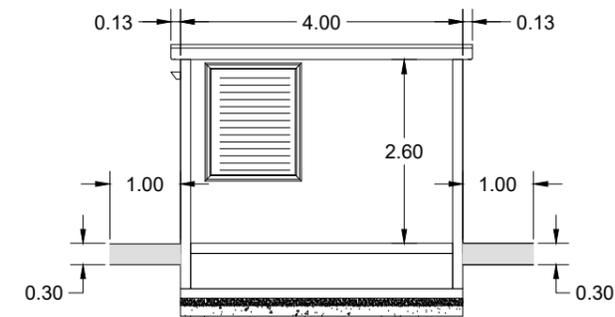
SEB BUILDING

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REV	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY												
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<p>Consultant</p>			<p>Drawing Number Project Originator Discipline Location Type Role Number Phase</p> <p>MAY MDC SET RS21 DR Z 0010 D</p>														
<p>Scale:</p> <p>1:15@ A3</p>			<p>Date: April 2022</p> <p>Job No: P/101086</p> <p>Status: F1-Approved & accepted</p> <p>Rev: V01</p> <p>Sheet: 01 of 02</p>														

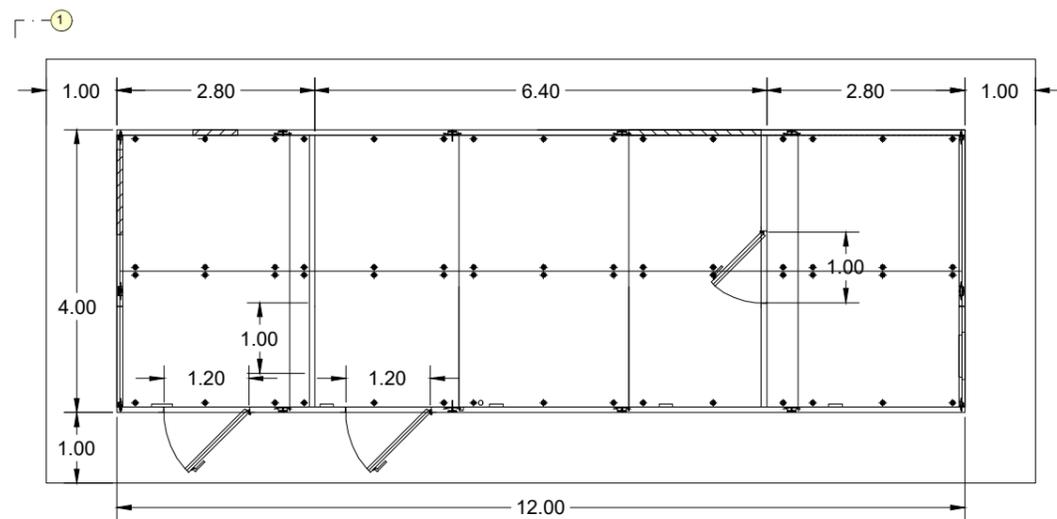
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FRONT VIEW



VIEW 1'-1'



PLANT VIEW

PSP BUILDING

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 All elevations are in metres and relate to OSi Geoid Model1 (OSGM02) Mean-High 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 (TL4-0).

Client

Consultant

Project

Drawing Title

SET TECHNICAL BUILDINGS
MILLERSTOWN BUILDINGS DETAIL

Scale: 1:100 @ A3

Date:	Job No:	Status:	Rev:	Sheet:
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