

CURRENT STATE. ELEVATION
SCALE: 1:100

REV.	DATE	DESCRIPTION	EAC	ACJ	CCH
V01	April 2022	PLANNING ISSUE			
<small>© Irish Rail (2022). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail. © Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland". Survey No. 6039720 (OS Aerial Data or OS Lidar Data) & Survey No. 202005_NMA_180 (OS Vector Data). All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG9).</small>					

Client

Consultant

Project

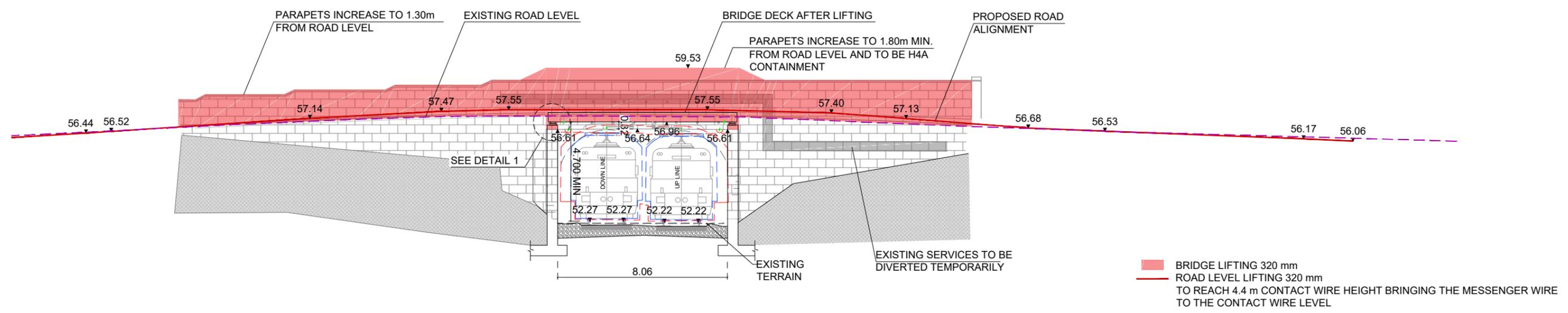
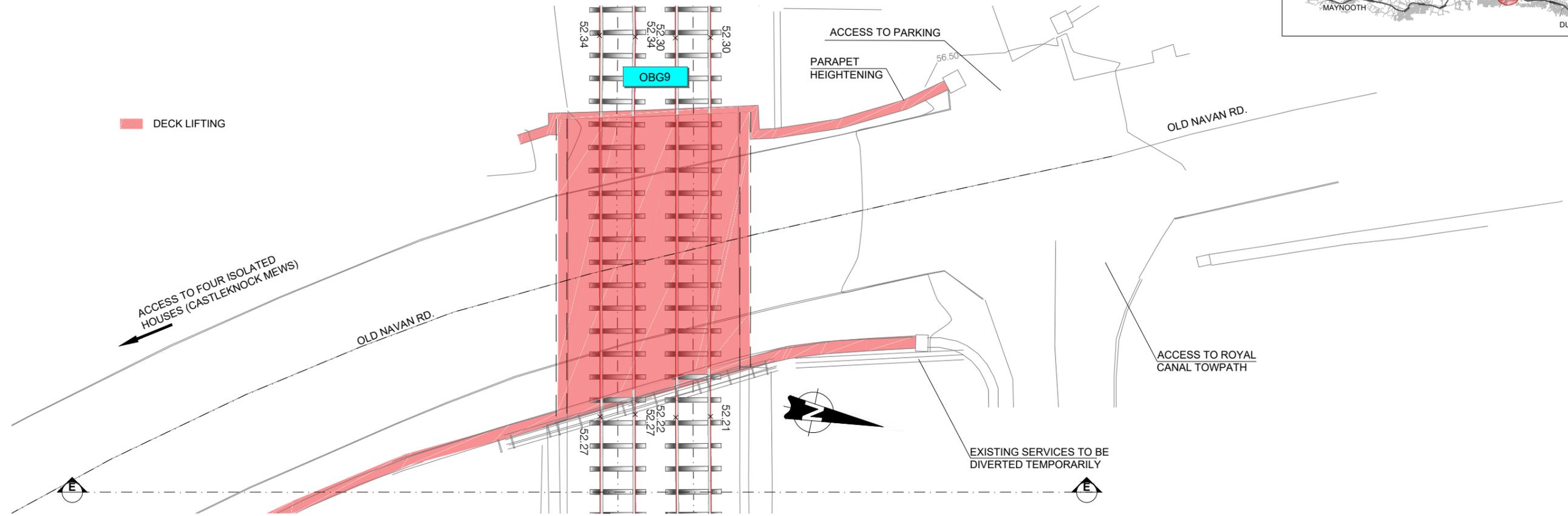
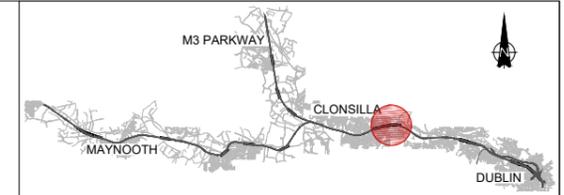
Drawing Title

STRUCTURE DESIGN
OBG9. BRIDGE DECK HEAVY LIFTING
CURRENT STATE

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

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC STR RS08 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 1 of 5



FINAL STATE. ELEVATION
SCALE: 1:100

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	EAC	ACJ	CCH

© Irish Rail (2022). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
Survey No. 6039720 (OS Aerial Data or OS Lidar Data) & Survey No. 2020/051_NMA_180 (OS Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG).

Client

Consultant

Project

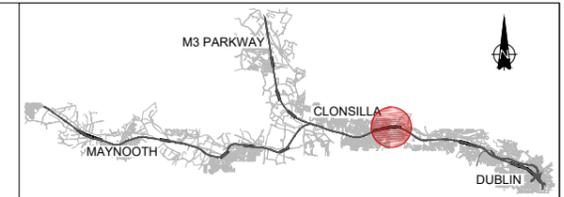
Drawing Title

STRUCTURE DESIGN
OBG9. BRIDGE DECK HEAVY LIFTING
FINAL STATE

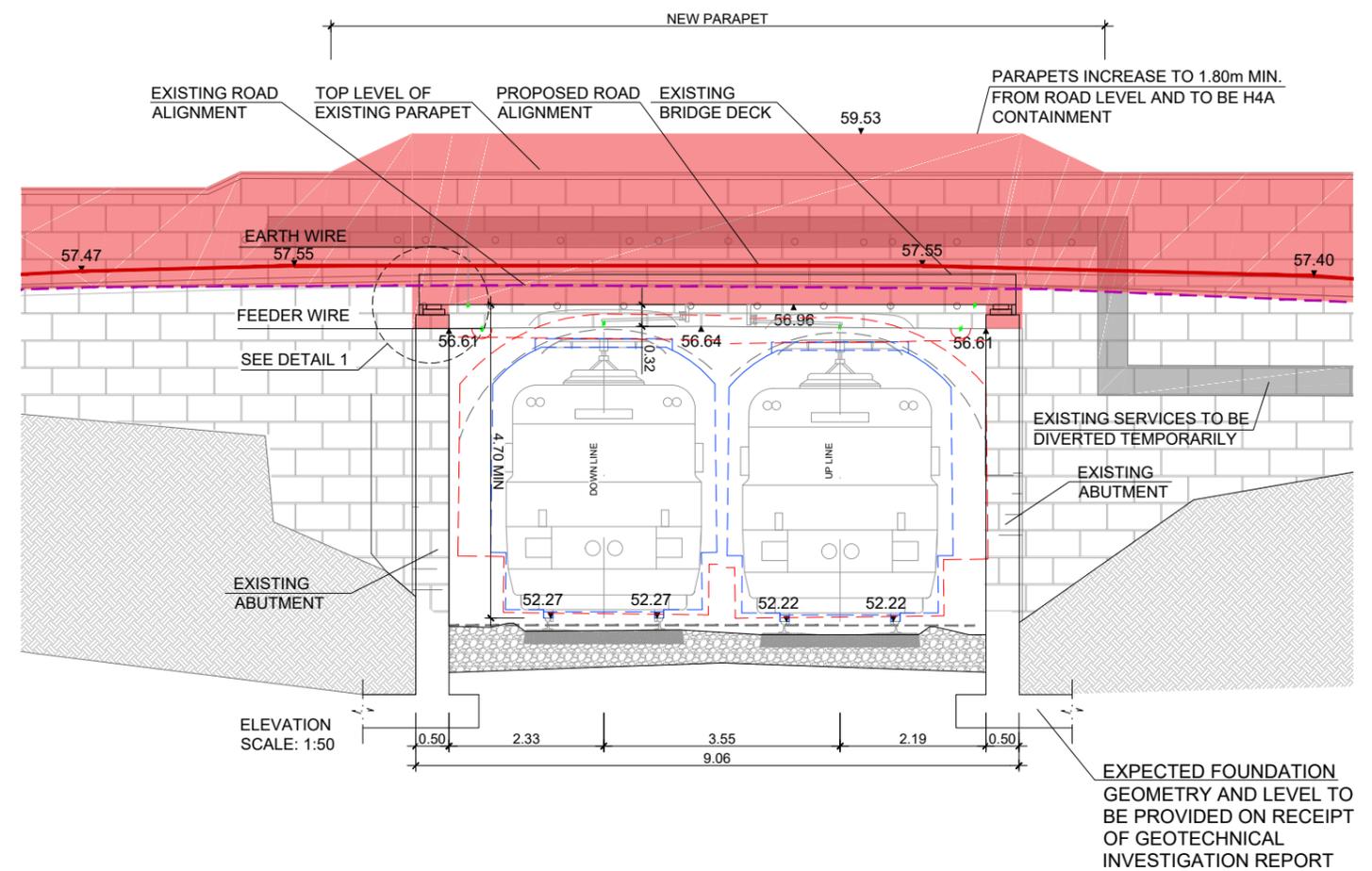
Scale:
1:1000 @ A1 1:2000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC STR RS08 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 2 of 5



PLAN SCALE: 1:50



EXPECTED FOUNDATION GEOMETRY AND LEVEL TO BE PROVIDED ON RECEIPT OF GEOTECHNICAL INVESTIGATION REPORT

REV	DATE	DESCRIPTION	EAC	ACJ	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY			APPROVED BY		

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
 © Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
 Survey No. 6039720 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2020OSI_NMA_180 (OSi Vector Data).
 All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL49).

Client

Consultant

Project

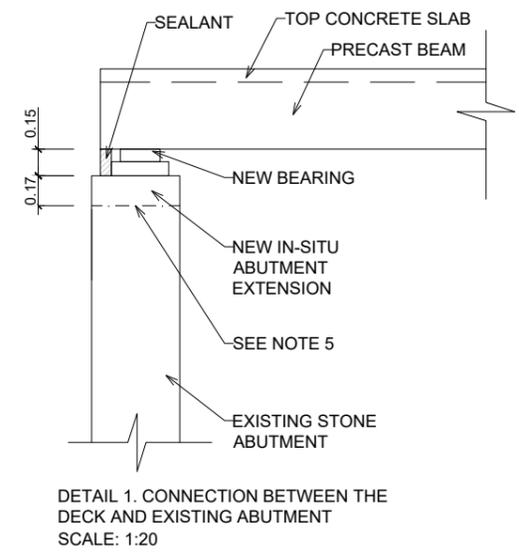
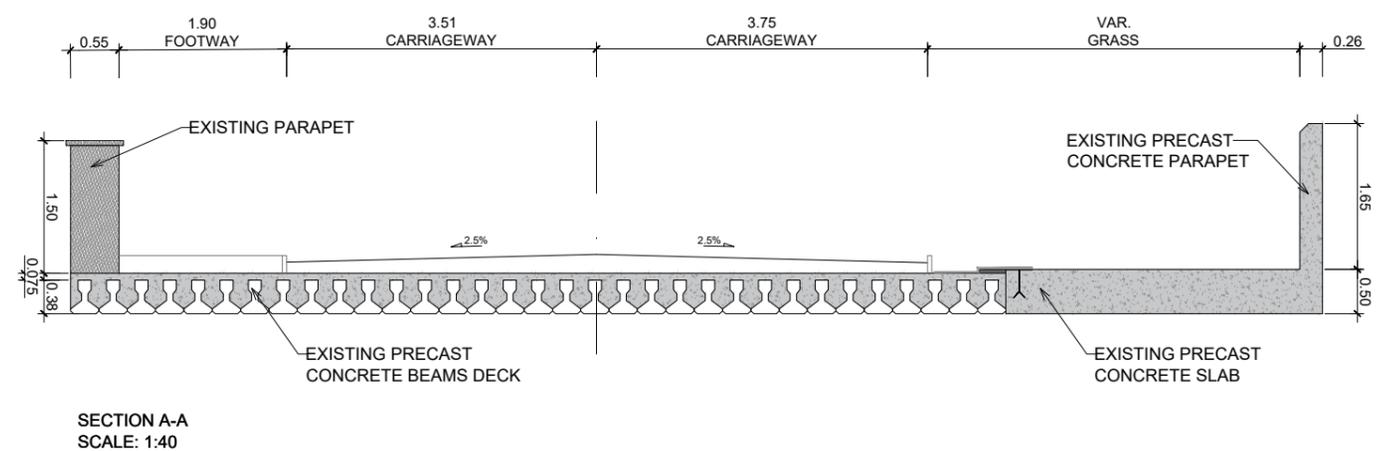
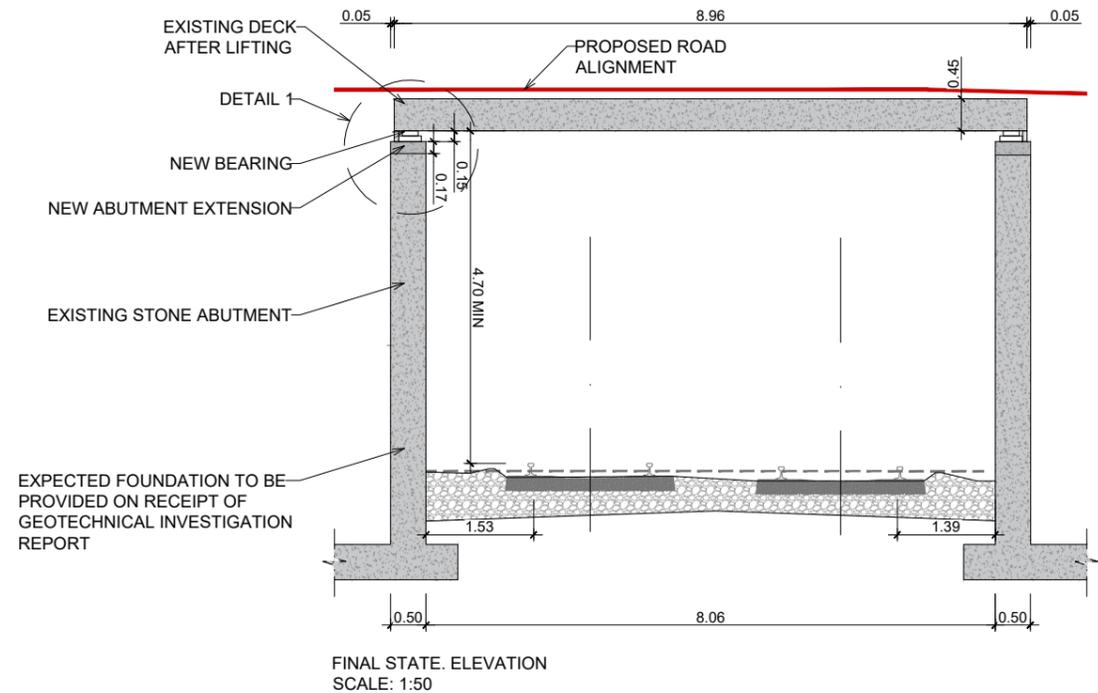
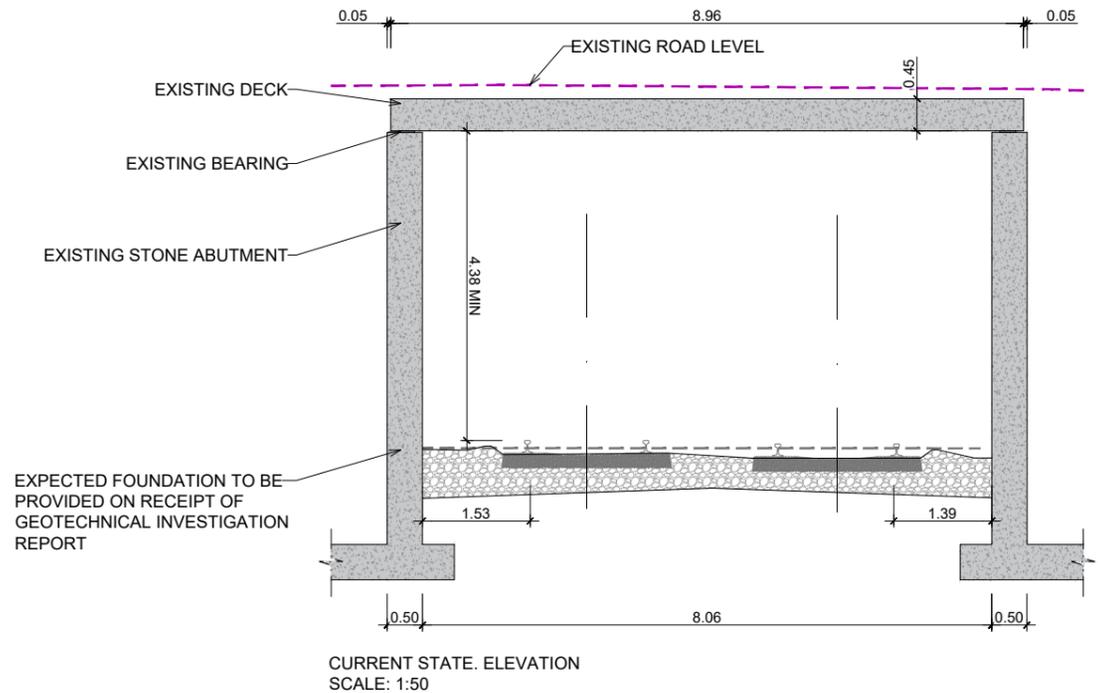
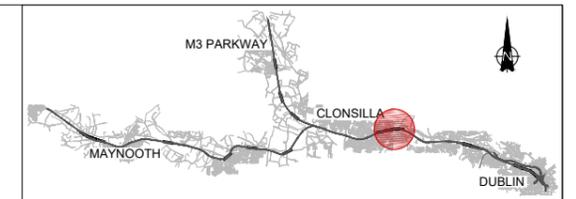
Drawing Title

STRUCTURE DESIGN
 OBG9. BRIDGE DECK HEAVY LIFTING
 FINAL STATE DETAIL

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

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC STR RS08 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 3 of 5



- NOTES (TOP DOWN):
- 1) STRUCTURAL CONCRETE TOPPING
 - 2) PRECAST CONCRETE BEAM
 - 3) NEW ELASTOMERIC BEARING (DESIGN DEPENDENT)
 - 4) EXTENDED ABUTMENT WALL HEAD
 - 5) FACE OF EXISTING ABUTMENT WORK: PLACE LEVELLING LAYER AND STEEL BEAM WITH ANCHOR BOLTS TO BE CAST INTO THE NEW ABUTMENT EXTENSION
 - 6) EXISTING ABUTMENT

REV	DATE	DESCRIPTION	EAC	ACJ	CCH
V01	April 2022	PLANNING ISSUE			
PRODUCED BY			APPROVED BY		

© Irish Rail (2022). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
 © Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
 Survey No. 6039720 (OSi Aerial Data or OSi Lidar Data) & Survey No. 2020/OSi_NMA_180 (OSi Vector Data).
 All elevations are in metres and relate to OSi Geoid Model (OSiGM02) Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG9).

Client

Tionscail Éireann Project Ireland 2040

NTA Údarás Náisiúnta Iomparáil National Transport Authority

Irish Rail

Consultant

IDOM

G3

IRIOD

Project

DART+ West

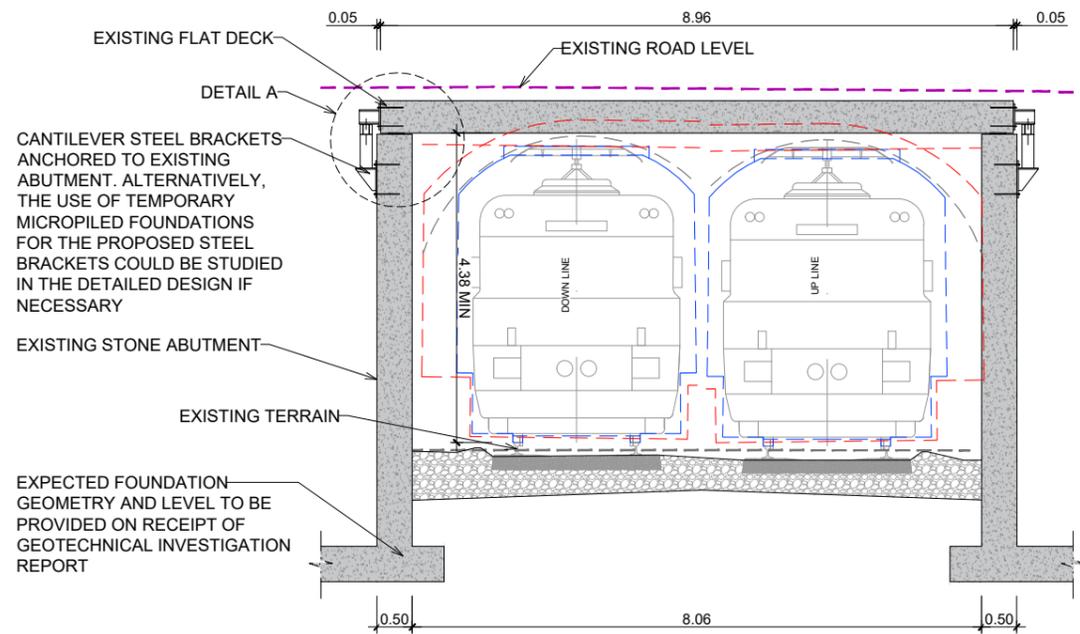
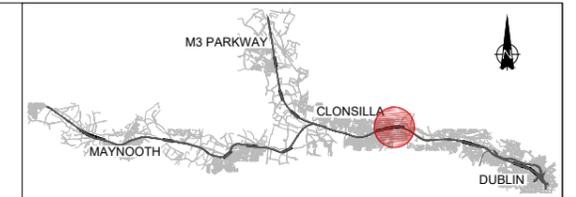
Drawing Title

STRUCTURE DESIGN
OBG9. BRIDGE DECK HEAVY LIFTING
STRUCTURAL DESIGN DETAIL

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

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC STR RS08 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 4 of 5



TEMPORARY SUPPORTING SYSTEM WITH CANTILEVER STEEL BRACKETS.
DECK JACKING SUPPORT STRUCTURE
SCALE: 1:50

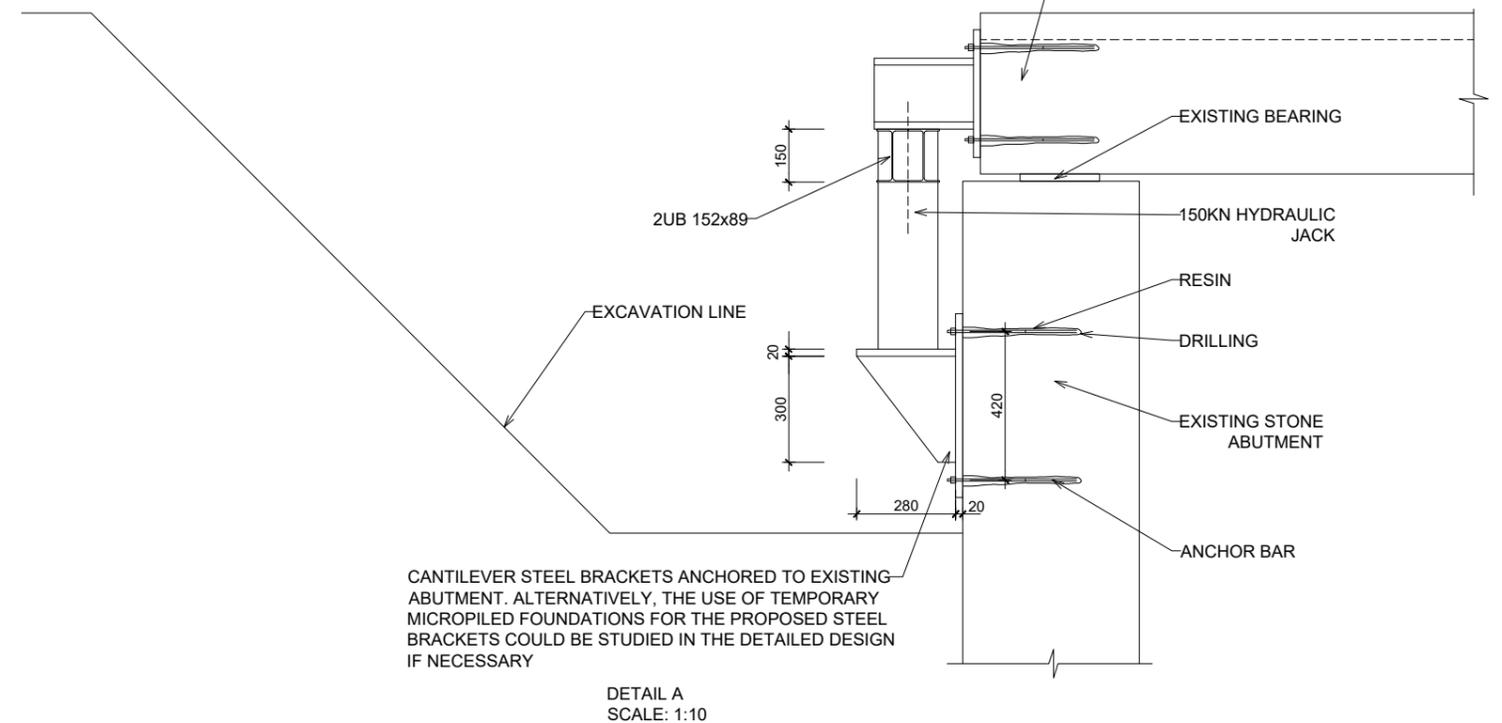
NOTE:

- WEIGHTS
SELF-WEIGHT OF DECK & PARAPETS APPROX. 1550KN
DEAD LOAD OF PAVEMENT APPROX. 220KN
TOTAL WEIGHT OF DECK, PARAPETS & PAVEMENT APPROX. 1770KN
(WEIGHTS STATED ARE ESTIMATED VALUE ACCORDING TO EXISTING DRAWINGS & WILL BE CONFIRMED AT DETAILED DESIGN STAGE)
- JACKS WILL BE INSERTED UNDER THE DECK AROUND EVERY 2M, WHICH IS 6 JACKS ON EACH ABUTMENT AND A TOTAL OF 12 JACKS. EACH JACK WILL CARRY AROUND 148 kN.



EXAMPLE OF JACK OF MAX. 150KN
(SOURCES: LARZEP OFFICIAL WEBSITE)

DIMENSIONS (MM)	
MODEL (LARZEP)	SL01643
CAPACITY (kN)	150
STROKE (mm)	435
CLOSED HEIGHT (mm)	345
EXTENDED HEIGHT (mm)	780
DIAMETER (mm)	170
WEIGHT (Kg)	41



CANTILEVER STEEL BRACKETS ANCHORED TO EXISTING ABUTMENT. ALTERNATIVELY, THE USE OF TEMPORARY MICROPILED FOUNDATIONS FOR THE PROPOSED STEEL BRACKETS COULD BE STUDIED IN THE DETAILED DESIGN IF NECESSARY

DETAIL A
SCALE: 1:10

REV.	DATE	DESCRIPTION	EAC	ACJ	CCH
V01	April 2022	PLANNING ISSUE			

© Irish Rail (2022). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
© Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
Survey No. 6039720 (OS Aerial Data or OS Lidar Data) & Survey No. 202005L_NMA_140 (OS Vector Data).
All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TL49).

Client

Consultant

Project

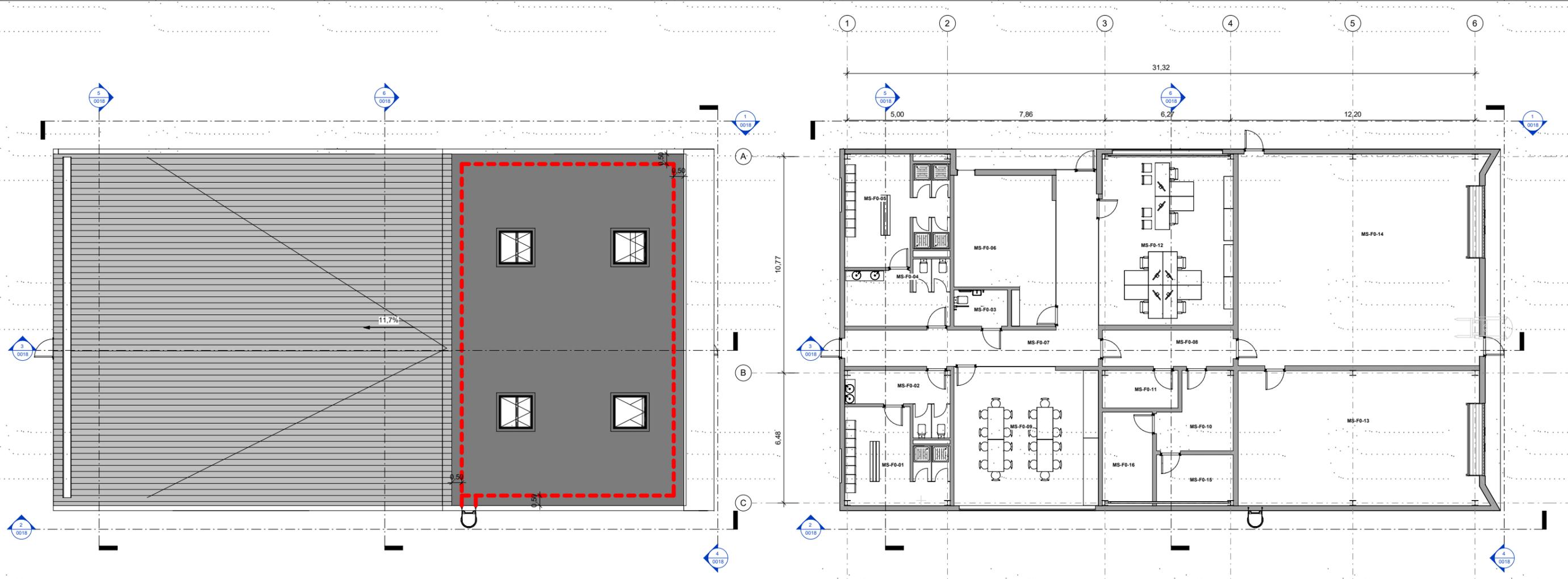
Drawing Title

STRUCTURE DESIGN
OBG9. BRIDGE DECK HEAVY LIFTING
TEMPORARY DECK LIFTING STRUCTURE DETAIL

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

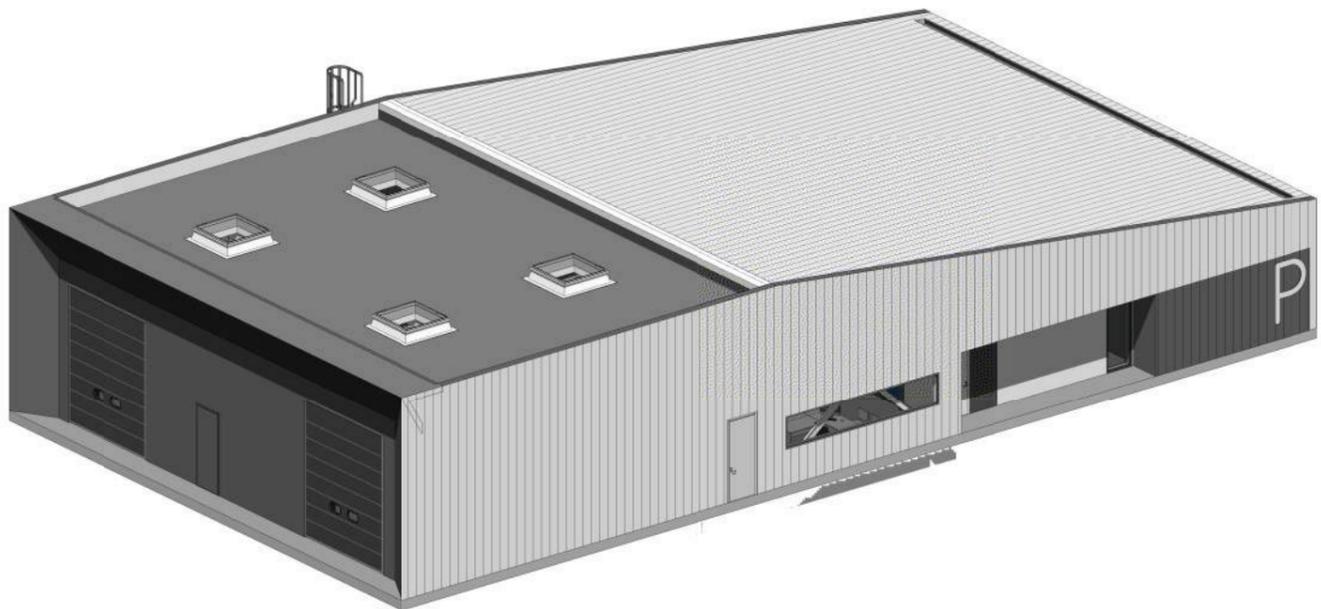
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
MAY MDC STR RS08 DR C 0002 D

Date: April 2022 Job No: P/101086 Status: F1-Approved & accepted Rev: V01 Sheet: 5 of 5



1 Permanent Way Maintenance B
Scale 1:100

2 Permanent Way Maintenance B
Scale 1:100



Number	Name	Department	Area
MS-F0-01	LOCKERS F		22 m ²
MS-F0-02	TOILET F		12 m ²
MS-F0-03	PWAY		5 m ²
MS-F0-04	TOILET M		15 m ²
MS-F0-05	LOCKERS M		26 m ²
MS-F0-06	CONTROL ROOM		32 m ²
MS-F0-07	CIRCULATION		40 m ²
MS-F0-08	CIRCULATION		12 m ²
MS-F0-09	CANTEEN		49 m ²
MS-F0-10	INSTAL		13 m ²
MS-F0-11	CLEANING		7 m ²
MS-F0-12	OFFICE		57 m ²
MS-F0-13	OHLE MAINTENANCE		81 m ²
MS-F0-14	CCE PLANT & EQUIPMENT STORAGE		127 m ²
MS-F0-15	IT CCE COMPOUND		10 m ²
MS-F0-16	INSTAL		12 m ²
Grand total			519 m ²

REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V.01	April 2022	PLANNING ISSUE	IMT	CCH	TMK

© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
 © Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
 Survey No. 0039720 (OSI Aerial Data or OSI Laser Data) & Survey No. 2020OSI_NMA_180 (OSI Vector Data).
 All elevations are in metres and relate to OSI Geoid Model (OSGM02) Mean Head as defined by existing Project Control.
 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLG).

Client

Consultant

Project

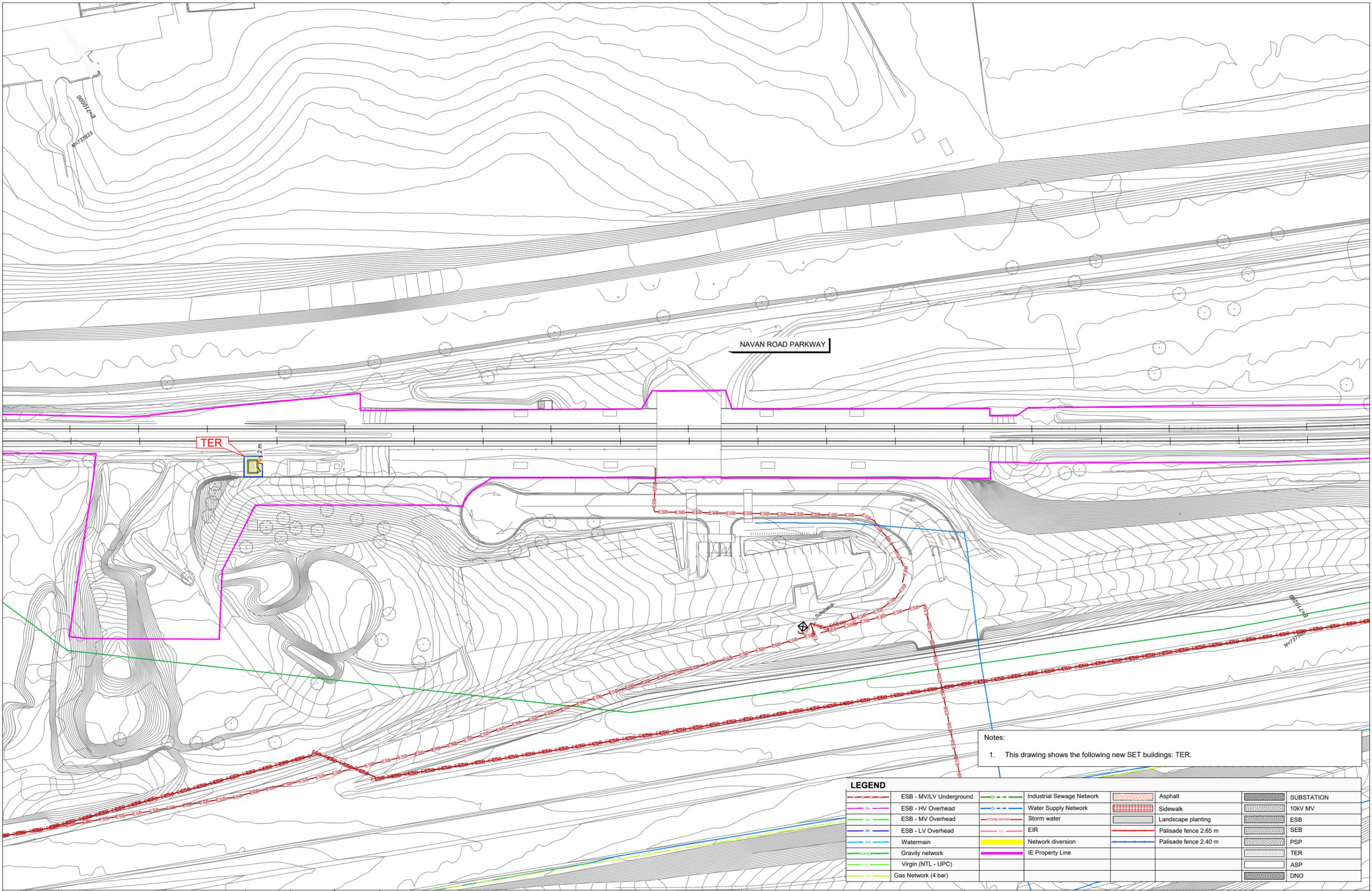
Drawing Title

BUILDING DESIGN
ARC CCE COMPOUND - ARCHITECTURE BUILDING
GENERAL PLANT

Scale: 1:50 @ A1 1:100 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	RGN	SC07	DR	A	0001	D

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



Notes:
 1. This drawing shows the following new SET buildings: TER.

LEGEND	
ESB - MV/LV Underground	Industrial Sewerage Network
ESB - HV Overhead	Water Supply Network
ESB - MV Overhead	Storm water
ESB - LV Overhead	EIR
Watermain	Network diversion
Gravity network	IE Property Line
Virgin (NTL - UPC)	
Gas Network (4 bar)	
Asphalt	SUBSTATION
Sidewalk	10KV MV
Landscape planting	ESB
Palisade fence 2.65 m	SEB
Palisade fence 2.40 m	PSP
	TER
	ASP
	DNO

V01	April 2022	PLANNING ISSUE	MCG	MPT	CCS
REV.	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
<small>© Irish Rail (2020). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail. © Ordnance Survey, Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland". Survey No. 0039720 (OSi Aerial Data or OS Lidar Data) & Survey No. 2020/081_NMA_180 (OSi Vector Data). All elevations are in metres and relate to OSi Geoid Model (OSGM02) Mean Head as defined by existing Project Control. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLG0).</small>					

Client

Consultant

Project

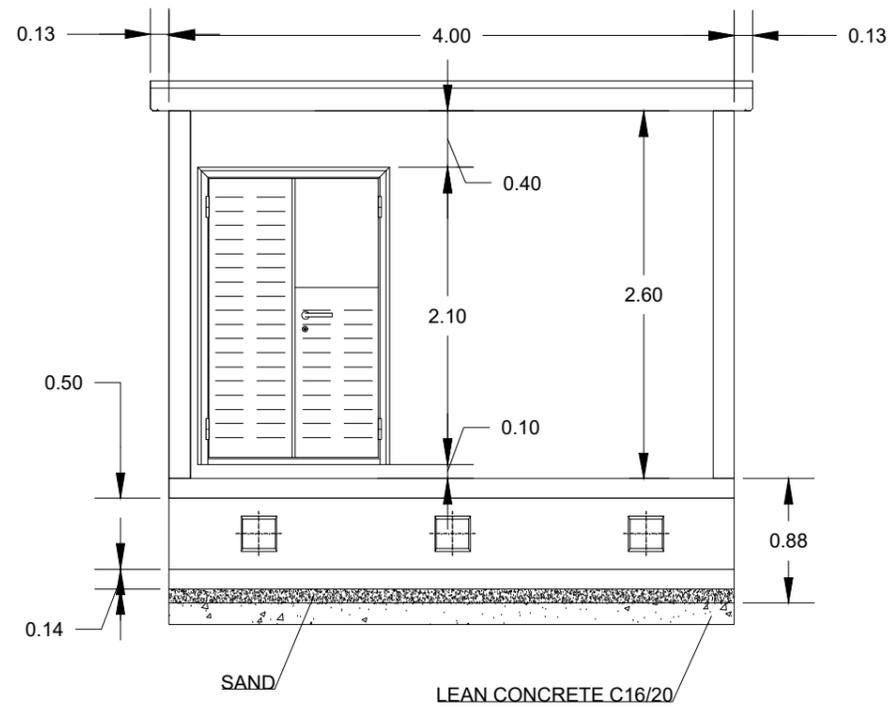
Drawing Title

**SET TECHNICAL BUILDINGS
NAVAN ROAD PARKWAY**

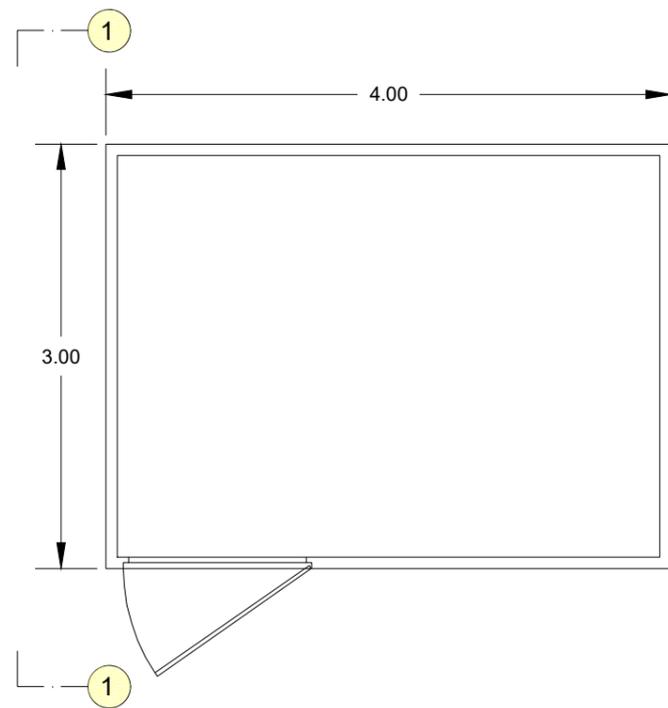
Scale: 1:500 @ A1

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase
 MAY MDC SET RS08 DR Z 0003 D

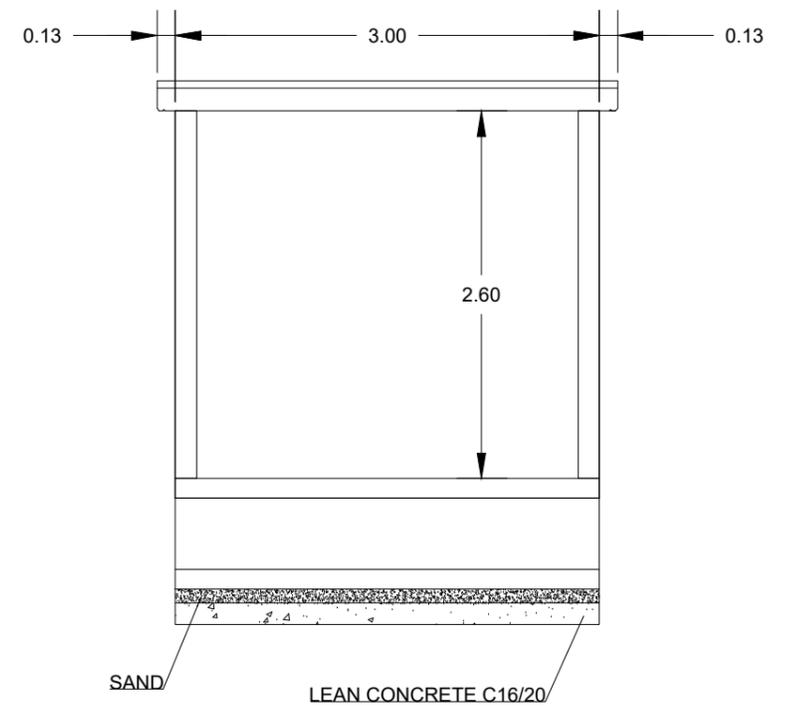
Date: April 2022 | Job No: P/101086 | Status: F1-Approved & accepted | Rev: V01 | Sheet: 01 of 01



FRONT VIEW



PLANT VIEW



VIEW 1'-1'

TER BUILDING

REV	DATE	DESCRIPTION	PRODUCED BY	REVIEWED BY	APPROVED BY
V01	April 2022	PLANNING ISSUE	MCG	MPT	CCS

© Irish Rail (2022). This drawing is confidential and the copyright in it is owned by Irish Rail. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of Irish Rail.
 © Ordnance Survey Ireland and Government of Ireland. All O.S. data used for plans are printed under "Copyright Ordnance Survey Ireland".
 Survey No. 6039720 (OSI Aerial Data or OS Lidar Data) & Survey No. 2020091_NMA_180 (OSI Vector Data).
 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 (TL40).

Client

Consultant

Project

Drawing Title

SET TECHNICAL BUILDINGS
NAVAN ROAD PARKWAY BUILDINGS DETAIL

Scale: 1:20@ A3

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