

← FROM SYDNEY

TO EXETER →



Transport
for NSW

MOSS VALE STATION UPGRADE MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km COVER SHEET AND DRAWING LIST COMMUNICATIONS



LOCATION PLAN

COMMUNICATION DRAWING LIST		
EDMS No	Sheet Number	Sheet Name
TAP3150505-SMEC-MVL-KS-DRG-101800		COVER SHEET AND DRAWING LIST
TAP3150505-SMEC-MVL-KS-DRG-101801		LEGEND OF SYMBOLS AND NOTES
TAP3150505-SMEC-MVL-KS-DRG-101810		SITE PLAN RETICULATION SHEET 1
TAP3150505-SMEC-MVL-KS-DRG-101811		SITE PLAN RETICULATION SHEET 2
TAP3150505-SMEC-MVL-KS-DRG-101812		SITE PLAN RETICULATION SHEET 3
TAP3150505-SMEC-MVL-KS-DRG-101813		SITE PLAN RETICULATION SHEET 4
TAP3150505-SMEC-MVL-KS-DRG-101820		PLATFORM COMMUNICATION LAYOUT SHEET 1
TAP3150505-SMEC-MVL-KS-DRG-101821		ARGYLE BRIDGE LEVEL LAYOUT
TAP3150505-SMEC-MVL-KS-DRG-101822		FOOTBRIDGE COMMUNICATION LAYOUT
TAP3150505-SMEC-MVL-KS-DRG-101824		COMMUNICATION TICKETING SYSTEM LAYOUT
TAP3150505-SMEC-MVL-KS-DRG-101830		PUBLIC ADDRESS LAYOUT
TAP3150505-SMEC-MVL-KS-DRG-101831		AFILS SYSTEM LAYOUT
TAP3150505-SMEC-MVL-KS-DRG-101840		COMMUNICATION SYSTEM DIAGRAM AND DETAILS
TAP3150505-SMEC-MVL-KS-DRG-101841		PUBLIC ADDRESS/AFILS SYSTEM SCHEMATICS
TAP3150505-SMEC-MVL-KS-DRG-101842		ELECTRONIC TICKETING SYSTEM

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ISSUED FOR S60 SUBMISSION

<p>REFERENCES:</p> <p>TAP3150505-SMEC-MVL-CO-M3D-000001</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1 : 1</p>	<p>CLIENT:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km MOSS VALE STATION UPGRADE SP1-COMMUNICATION DESIGN COVER SHEET AND DRAWING LIST</p>																																						
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>RE-ISSUED FOR S60 SUBMISSION</td> <td>CS/19.01.24</td> <td>BM/19.01.24</td> <td>ME/19.01.24</td> </tr> <tr> <td>C</td> <td>ISSUED FOR S60 SUBMISSION</td> <td>CS/10.11.23</td> <td>BM/10.11.23</td> <td>ME/10.11.23</td> </tr> <tr> <td>B</td> <td>ISSUED FOR PRELIMINARY DESIGN REVIEW</td> <td>CS/06.10.23</td> <td>BM/06.10.23</td> <td>ME/06.10.23</td> </tr> <tr> <td>A</td> <td>ISSUED FOR SYSTEM DEFINITION REVIEW</td> <td>CS/04.08.23</td> <td>BM/04.08.23</td> <td>ME/04.08.23</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	D	RE-ISSUED FOR S60 SUBMISSION	CS/19.01.24	BM/19.01.24	ME/19.01.24	C	ISSUED FOR S60 SUBMISSION	CS/10.11.23	BM/10.11.23	ME/10.11.23	B	ISSUED FOR PRELIMINARY DESIGN REVIEW	CS/06.10.23	BM/06.10.23	ME/06.10.23	A	ISSUED FOR SYSTEM DEFINITION REVIEW	CS/04.08.23	BM/04.08.23	ME/04.08.23	<p>COORDINATE SYSTEM: GDA20 MGA Zone 56 </p> <p>HEIGHT DATUM: A.H.D</p>	<p>DESIGN LOT CODE:</p>	<p>PREPARED FOR:</p> <p>RAIL DELIVERY INFRASTRUCTURE DELIVERY INFRASTRUCTURE AND PLACE</p>	<p>DEGNAN </p> <p>SMEC JHA COMMUNICATION</p>	<p>DRAWN _ _ _ TRACEY WANG <i>Tracy</i> 10.11.2023</p> <p>DESIGNED _ _ _ CON SERBAN <i>CS</i> 10.11.2023</p> <p>DRG CHECK _ _ _ BARRY MARTIN <i>BM</i> 10.11.2023</p> <p>DESIGN CHECK BARRY MARTIN <i>BM</i> 10.11.2023</p> <p>PROJ/DES MNGR CON SERBAN <i>CS</i> 10.11.2023</p> <p>APPROVED _ _ _ MARC ESTIMADA <i>ME</i> 10.11.2023</p>	<table border="1"> <tr> <td>DRAWING SET No:</td> <td>PART:</td> <td>SHEET: 1 OF 1 A1</td> </tr> <tr> <td>STATUS: ISSUED FOR S60 SUBMISSION</td> <td colspan="2"></td> </tr> <tr> <td>DRG No: TAP3150505-SMEC-MVL-KS-DRG-101800</td> <td>REV D</td> <td>VER 0</td> </tr> <tr> <td>EDMS No:</td> <td>AMD No:</td> <td></td> </tr> </table>	DRAWING SET No:	PART:	SHEET: 1 OF 1 A1	STATUS: ISSUED FOR S60 SUBMISSION			DRG No: TAP3150505-SMEC-MVL-KS-DRG-101800	REV D	VER 0	EDMS No:	AMD No:	
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FILE NAME: A:\desk\Docs\Moss Vale TAP and Stabling\TAP3150505-SMEC-MVL-KS-M3D-00001.rvt

PLOT DATE & TIME: 25/01/2024 10:36:03 am

Printed By:

GENERAL

- 1. CONTRACTOR SHALL CONDUCT DETAILED SITE INSPECTION TO CONFIRM LOCATION OF PITS, CABLING, BUILDING, CABLE ROUTES THAT ARE AFFECTED BY THE PROJECT PRIOR TO COMMENCEMENT OF SITE WORKS. ALL DISTANCES AND QUANTITIES SHOWN ARE APPROXIMATE.
2. CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION PROGRAM TO TfNSW AND SYDNEY TRAINS FOR APPROVAL PRIOR TO CONSTRUCTION WORKS.
3. CONTRACTOR SHALL CONTACT 'DIAL BEFORE YOU DIG' PRIOR TO COMMENCEMENT OF SITE EXCAVATION. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT APPROPRIATE DBYD ACTIVITIES FOR ALL UTILITIES & SERVICES PRIOR TO EXCAVATION WORKS BEING EXECUTED ONSITE.
4. CONTRACTOR SHALL PROVIDE WORKSHOP DRAWINGS AND INSTALLATION DETAILS FOR APPROVAL PRIOR TO THE COMMENCEMENT OF INSTALLATION WORKS.
5. THE CONTRACTOR SHALL ENSURE THAT ALL AUDIO INSTALLATIONS/RELOCATIONS CONFORM TO THE AMB STANDARDS, INCLUDING T MU TE 61005 ST - CUSTOMER INFORMATION SYSTEMS FOR PUBLIC TRANSPORT BUILDINGS AND CONVEYANCES AND FSYD2014/14276 - DIGITAL PA SYSTEM DESIGN & INSTALLATION GUIDELINE V3.0.
6. OPERATION TECHNOLOGY MAJOR WORKS SHALL BE ENGAGED FOR THE INSTALLATION OR RELOCATION OF TECHNOLOGY ASSETS AND SERVICES (INCLUDING COMMS, CCTV & PASSENGER INFORMATION). OPERATION TECHNOLOGY CONTACT - JAMES PILMER (PROJECT DELIVERY MANAGER).
7. ENSURE ALL OPS TECH CABLES ON PLATFORMS ARE IDENTIFIED AND LOCATED TO ENSURE THEY ARE NOT DAMAGED DURING WORKS.
8. ALL EXISTING COMMUNICATION SERVICES ARE REQUIRED TO BE RELOCATED/RECONNECTED/RECOMMENCED IN CONJUNCTION WITH THE UPGRADE. PROVISION TO BE MADE FOR THE SUPPLY & INSTALLATION OF ALL CONTAINMENT AND CABLING TO ENABLE UPGRADE, ALONG WITH ANY OTHER WORKS SPECIFIC TO THE PARTICULAR SERVICE. SERVICES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO:
ICT - FO AND/OR NBN, SWITCH, ROUTER, KRONOS, PC, PRINTER, WAP, DATA OUTLETS (AS APPLICABLE)
IAS - KEYPAD, DIRECTS, ALARM, PIR, REED SWITCH, CONTROL PANEL (AS APPLICABLE)
EAC - CARD READER, ELECTRIC STRIKE, REED SWITCH, PIR, DSX CABINET
OPS TECH - FO, Cu, IDF, PHONES, CUSTOMER ASSISTANCE PANEL (AS APPLICABLE)
COMMS - CCTV, HP, PA, AFIL, RDVA, PAGING PANEL, IP CLOCKS, TICKETING (AS APPLICABLE)
TELSTRA PAY PHONE

GENERAL

- RV45 DATA OUTLET (CATEGORY TO SUIT CABLING)
1 - DENOTE NO OF OUTLETS ON FACE PLATE
NEW COMMUNICATION SERVICES CABLING WITHIN CONTAINMENT
AERIAL NBN SERVICE TO BE REINSTATED USING EXISTING HV POWER DISTRIBUTION POLE
EXISTING AERIAL NBN SERVICE TO BE RE-ROUTED USING EXISTING HV POWER DISTRIBUTION POLE, REFER TO SCOPE ON THE DRAWINGS
EXISTING COMMS CONTAINMENT, REFER TO SCOPE ON THE DRAWINGS FOR ANY CHANGES/UPGRADE WORKS APPLICABLE
TELEPHONE NBN FIBRE LEAD IN SERVICE CONTAINMENT
ELECTRICAL DISTRIBUTION BOARD (BY ELECTRICAL CONTRACTOR)
NEW MAIN DISTRIBUTION FRAME
COMMUNICATION PIT WITH LOCKABLE, NON-SLIP LID FLUSH WITH GROUND LEVEL, CLASS C LID, U.N.O REFER TO CSR DRAWINGS FOR DETAILS
EXISTING COMMUNICATION PIT TO BE RETAINED
EXISTING PUBLIC PHONE/ TAXI PHONE
NEW TELSTRA PIT
EXISTING TELSTRA PIT
EXISTING FIBRE OPTIC BREAK OUT TRAY
NEW FIBRE OPTIC BREAK OUT TRAY
EXISTING AFC ENCLOSURE
EXISTING TELEPHONE FRAME
NEW TELEPHONE FRAME
NEW COMMUNICATIONS SERVICES RACK
EXISTING COMMUNICATIONS SERVICES RACK
NEW MARSHALLING CABINET
SMOKE DETECTOR CONNECTED TO SECURITY SYSTEM OR LIFT PANEL AS NOMINATED
NEW COMMUNICATION EARTHING TERMINAL

TICKETING SYSTEM

- EXISTING ELECTRONIC TICKETING SYSTEM HEAD END CABINET
EXISTING OPAL CARD READER SINGLE SIDED
EXISTING OPAL CARD READER DOUBLE SIDED
NEW OPAL CARD READER DOUBLE SIDED
NEW OPAL CARD READER SINGLE SIDED

PA & HEARING LOOP LEGEND

- DELEC DANTE NETWORK AMPLIFIER MODULE IN SPLASH-PROOF HOUSING
HP - DENOTES HIGH POWER NAM USED FOR AFL'S SYSTEM
EXISTING DELEC DANTE NETWORK AMPLIFIER MODULE IN SPLASH-PROOF HOUSING TO BE WIRED BACK TO SSER ROOM
R-DENOTES RELOCATED NAM
EXISTING RECESSED PA SPEAKER TOA CS1540 (8 OHMS)
R - DENOTES EXISTING TO BE RELOCATED AND RE-WIRED BACK TO LOCAL NAM
NEW RECESSED PA SPEAKER TOA CS1540 (8 OHMS)
EXISTING SURFACE MOUNTED PA SPEAKER TOA CS1540 (8 OHMS)
R - DENOTES EXISTING TO BE RELOCATED AND RE-WIRED BACK TO LOCAL NAM
EXISTING PA MICROPHONE CONSOLE TO BE RETAINED
NEW HEARING IMPAIRED LOOP SYSTEM (AFL'S) WIRED TO NEW SSER ROOM VIA NEW HIGH POWERED NAMS
EXISTING LOOP TO BE RETAINED AND MAIN LEADS REWIRED BACK TO NEW SSER ROOM VIA NEW HIGH POWERED NAMS
NEW HEARING AUGMENTATION LOOP AMPLIFIER TO BE WIRED BACK TO NEW SSER ROOM
EXISTING HEARING AUGMENTATION LOOP AMPLIFIER TO BE REWIRED BACK TO NEW SSER ROOM
EXISTING EDC TO BE RETAINED

COMPLIANCE NOTES

ALL WORKS SHALL COMPLY WITH:

- AUSTRALIAN STANDARDS AND REGULATIONS
AS 1428 2: 1992(2015) CLAUSES 21.1 AND 21.2 (A)
AS/CA 5009:2013 - WIRING RULES
ASA 558 004 STATION SERVICES AND SYSTEMS AMB STANDARD
AS/NZS 3000:2018
AS 1735.2
NSW INDUSTRIAL NOISE POLICY
NCC 2019 VOLUME 1 - CLAUSE H2.13
AMB STANDARDS:
FSYD 2014/14276 DIGITAL PUBLIC ADDRESS SYSTEM - DESIGN & INSTALLATION GUIDELINES
T MU TE 61005 ST - CUSTOMER INFORMATION SYSTEM FOR PUBLIC TRANSPORT BUILDINGS AND CONVEYANCES
SPM 0517 - SINGLE MODE OPTICAL FIBRE CABLE
T HR TE 01001 ST COMMUNICATION OUTDOOR CABLING
T HR TE 01003 SP - OPTICAL FIBRE TERMINATION, PATCHING AND MANAGEMENT
T HR TE 01004 SPS - PRE-TERMINATED FIBRE TAILS AND LINK CABLES
TMM P001 - COPPER CABLE RENAISSANCE
TMM P021 - OPTIC FIBRE CABLES JOINING, TERMINATION AND MANAGEMENT
T MU TE 21001 ST - EQUIPMENT ROOMS AND CUBICLES
T HR SS 80002 ST SECTION 9

HERITAGE NOTES

- HERITAGE SPECIALIST TO REVIEW AND PROVIDE ENDORSEMENT OF DESIGN PRIOR TO ISSUE OF CONSTRUCTION DOCUMENTATION. THIS INCLUDES ALL HOLD POINTS SPECIFIED IN THE CONSTRUCTION DOCUMENTATION, SELECTION OF MATERIALS AND SAMPLES OF ALL NEW WORKS AND MATERIALS IMPACTING HERITAGE FABRIC AND PROPOSED CCTV CAMERA POINTS, POLE MOUNTS, CONTAINMENT ROUTES AND ASSOCIATED NEW EQUIPMENT.
ANY DESIGN CHANGES PROPOSED DURING CONSTRUCTION MUST BE REVIEWED, APPROVED AND ENDORSED BY THE HERITAGE SPECIALIST AND BY RELEVANT AUTHORITIES AS NECESSARY.
TO UNDERSTAND THE HERITAGE SIGNIFICANCE OF MOSS VALE STATION, ALL CONTRACTORS MUST UNDERTAKE A HERITAGE INDUCTION BEFORE COMMENCING WORK ON SITE.
HERITAGE SPECIALIST MUST BE INVOLVED IN THE SELECTION OF APPROPRIATE TRADESPERSONS AND SATISFIED THAT ALL WORK HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE S60 CONDITIONS OF CONSENT.
SIGNIFICANT ELEMENTS MUST BE PROTECTED FROM DAMAGE DURING WORKS. THIS MAY REQUIRE APPROPRIATE WRAPPING, COVERING, ETC. OF IDENTIFIED SIGNIFICANT FABRIC, AND REPLACEMENT OF SUCH WRAPPING AS NECESSARY DURING WORKS TO ENSURE CONTINUOUS PROTECTION.
CARE SHOULD BE UNDERTAKEN DURING CONSTRUCTION WORK TO PROTECT HERITAGE FABRIC / STRUCTURES TO AVOID ADVERSE IMPACTS ON HERITAGE FABRIC. IF ANY DAMAGE OCCURS TO HERITAGE FABRIC, WORK SHOULD CEASE IMMEDIATELY AND BE REPORTED TO THE SITE SUPERVISOR AND HERITAGE SPECIALIST FOR METHODOLOGY OF RECTIFICATION.
SALVAGE ALL REMOVED ELEMENTS SUCH AS TIMBER FLOORING, BRICKWORK, WINDOWS, ETC. SALVAGED ITEMS MUST BE TAGGED AS TO THEIR ORIGINAL LOCATION, SAFELY STORED (PREFERABLY ON SITE) AND CAREFULLY REINSTATED AS REQUIRED OR DEALT WITH AS INSTRUCTED BY THE HERITAGE SPECIALIST.
PHOTOGRAPHIC RECORDING SHOULD BE COMPLETED PRIOR TO COMMENCEMENT OF WORKS ON SITE. SUCH PHOTOGRAPHY TO BE CARRIED OUT BY THE HERITAGE SPECIALIST, WHO MUST HAVE FULL ACCESS TO THE SITE.
ENSURE ALL CONSTRUCTION WORKS ARE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED S60 DESIGN INCLUSIVE OF:
APPROVED FOR CONSTRUCTION DRAWINGS
MATERIAL AND FINISHES SCHEDULES
ANY OTHER ITEMS/CONDITIONS NOMINATED IN S60 APPROVAL (IF APPLICABLE)
WORKS SHALL NOT COMMENCE WITHOUT RELEVANT APPROVALS INCLUDING REQUIRED SITE SPECIFIC APPROVALS (IE - IN SITU OR VALIDATION)
WHERE EXISTING FABRIC NEEDS TO BE REPAINTED, ENSURE ES8010 HERITAGE PAINT SCHEME IS FOLLOWED UNLESS OTHERWISE APPROVED BY THE HERITAGE SPECIALIST
WHERE POSSIBLE, UTILISE EXISTING CONTAINMENT PATHS FOR SERVICES OR OTHERWISE APPROVED IN THE DESIGN DOCUMENTATION
DURING CONSTRUCTION, EXCAVATION AND TRENCHING WORKS WITHIN THE SHR CURTLAGE SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE TfNSW UNEXPECTED HERITAGE ITEMS PROCEDURE (JULY 2022) WHICH COVERS BOTH ABORIGINAL AND NON-ABORIGINAL HERITAGE ITEMS.
ALL NEW FIXINGS AND PENETRATIONS ARE TO BE IN LINE WITH THE SPECIFICATIONS OUTLINED IN THE TfNSW HERITAGE REPAIR WORKS SPECIFICATION (2023) AND THE SYDNEY TRAINS HERITAGE TECHNICAL NOTES FOR FIXINGS AND PENETRATIONS AT HERITAGE SITES
ANY REMOVED INFRASTRUCTURE REQUIRES TO BE 'MADE GOOD' (ie - PATCH/REPAIR) IN LINE WITH HERITAGE SPECIALIST SPECIFICATIONS.

FIRE SERVICES

- NEW PORTABLE FIRE EXTINGUISHER CO2 TYPE COMPLETE WITH MOUNTING BRACKET AND SIGNAGE TO AS2444

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SCALE: 1:n:30

CLIENT: NSW Transport for NSW

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MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km

MOSS VALE UPGRADE SP1-COMMUNICATION DESIGN

LEGEND OF SYMBOLS AND NOTES

Table with 5 columns: REV, DESCRIPTION, DESIGNER INITIAL/DATE, VERIFIED INITIAL/DATE, APPROVED INITIAL/DATE. Includes entries for S60 submission and system definition review.

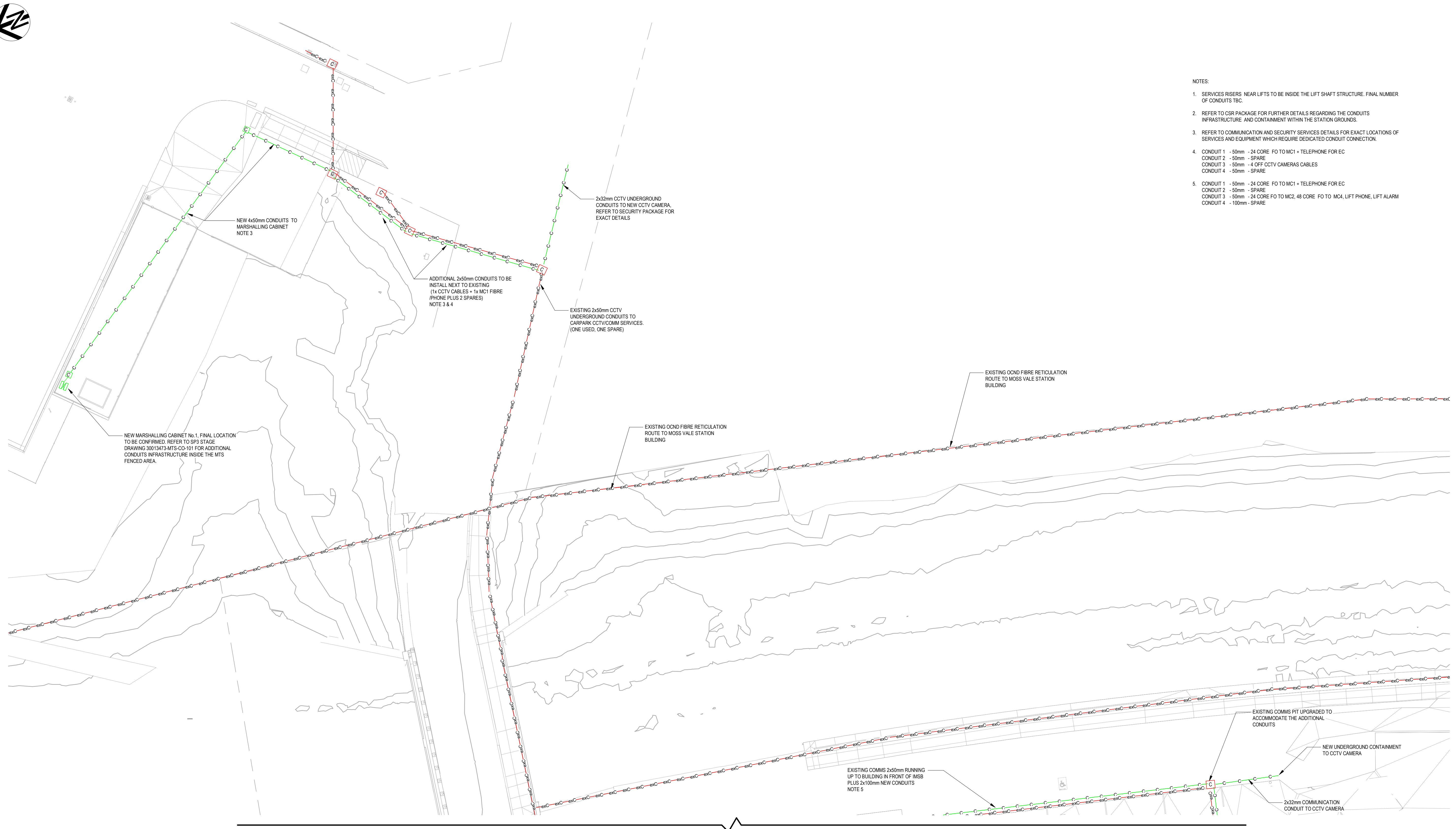
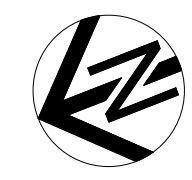
Table with 2 columns: COORDINATE SYSTEM: GDA20 MGA Zone 56, HEIGHT DATUM: A.H.D.

DESIGN LOT CODE:

PREPARED FOR: RAIL DELIVERY INFRASTRUCTURE DELIVERY INFRASTRUCTURE AND PLACE

DRAWN BY TRACEY WANG 10.11.2023
DESIGNED BY CON SERBAN 10.11.2023
DRG CHECK BY BARRY MARTIN 10.11.2023
DESIGN CHECK BY BARRY MARTIN 10.11.2023
PROJ/DES MNGR CON SERBAN 10.11.2023
APPROVED BY MARC ESTIMADA 10.11.2023

Table with 4 columns: DRAWING SET No: CO-DRG-001801, PART: SHEET: 1 OF 1 A1, STATUS: ISSUED FOR S60 SUBMISSION, DRG No: TAP3150505-SMEC-MVL-KS-DRG-101801



- NOTES:
- SERVICES RISERS NEAR LIFTS TO BE INSIDE THE LIFT SHAFT STRUCTURE. FINAL NUMBER OF CONDUITS TBC.
 - REFER TO CSR PACKAGE FOR FURTHER DETAILS REGARDING THE CONDUITS INFRASTRUCTURE AND CONTAINMENT WITHIN THE STATION GROUNDS.
 - REFER TO COMMUNICATION AND SECURITY SERVICES DETAILS FOR EXACT LOCATIONS OF SERVICES AND EQUIPMENT WHICH REQUIRE DEDICATED CONDUIT CONNECTION.
 - CONDUIT 1 - 50mm - 24 CORE FO TO MC1 + TELEPHONE FOR EC
CONDUIT 2 - 50mm - SPARE
CONDUIT 3 - 50mm - 4 OFF CCTV CAMERAS CABLES
CONDUIT 4 - 50mm - SPARE
 - CONDUIT 1 - 50mm - 24 CORE FO TO MC1 + TELEPHONE FOR EC
CONDUIT 2 - 50mm - SPARE
CONDUIT 3 - 50mm - 24 CORE FO TO MC2, 48 CORE FO TO MC4, LIFT PHONE, LIFT ALARM
CONDUIT 4 - 100mm - SPARE

FOR CONTINUATION REFER TO DRAWING TAP3150505-JHA-MVL-KS-DRG-001811

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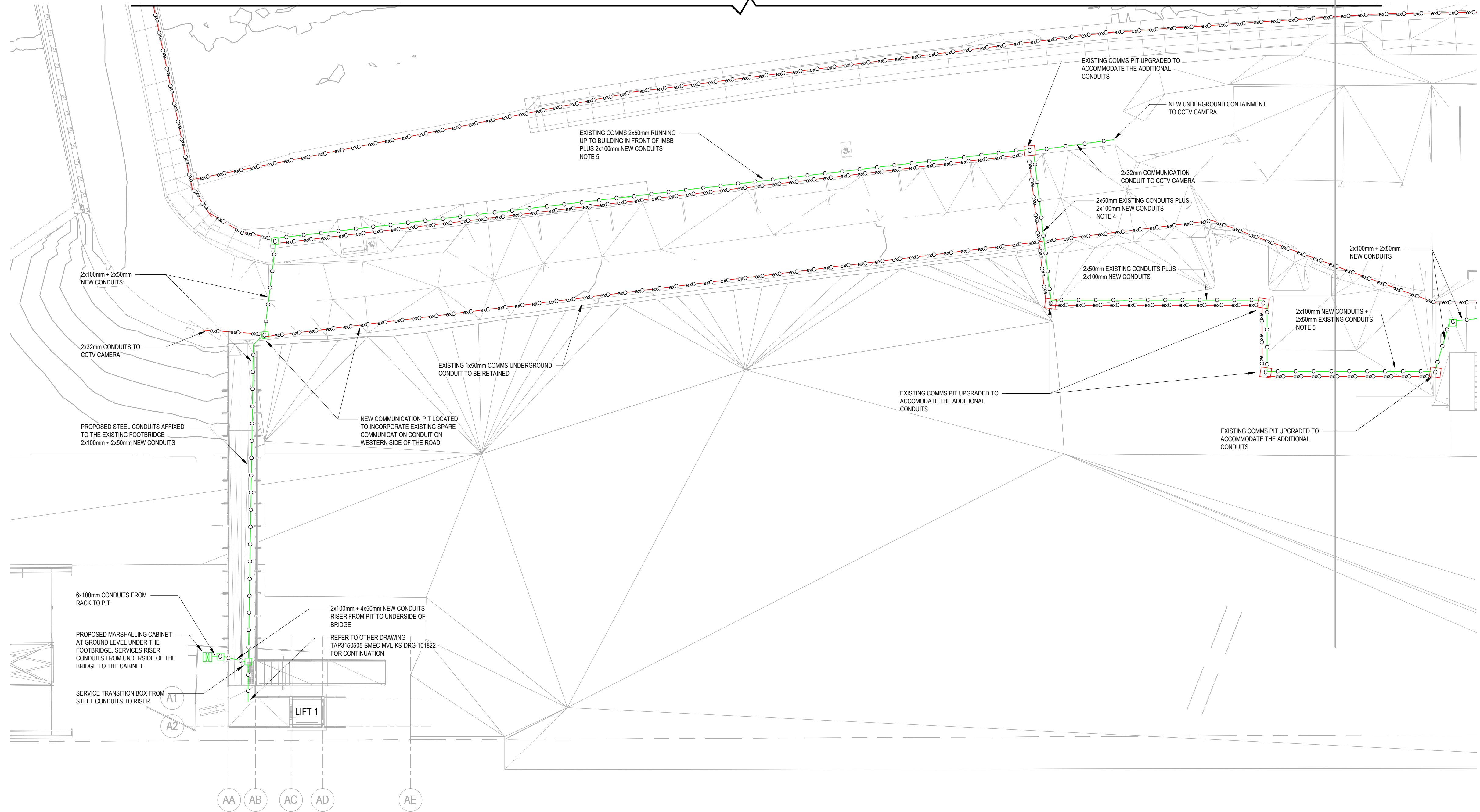
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FILE NAME: A:\Desktop\Docs\Moss Vale TAP and Stabling\TAP3150505-SMEC-MVL-KS-M3D-100011.rvt
 PLOT DATE & TIME: 25/01/2024 10:36:09 am
 Printed By:



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CONDUIT 2 - 50mm - SPARE
CONDUIT 3 - 50mm - 24 CORE FO TO MC2, 48 CORE FO TO MC4, LIFT PHONE, LIFT ALARM
CONDUIT 4 - 100mm - SPARE

FOR CONTINUATION REFER TO DRAWING TAP3150505-JHA-MVL-KS-DRG-001810



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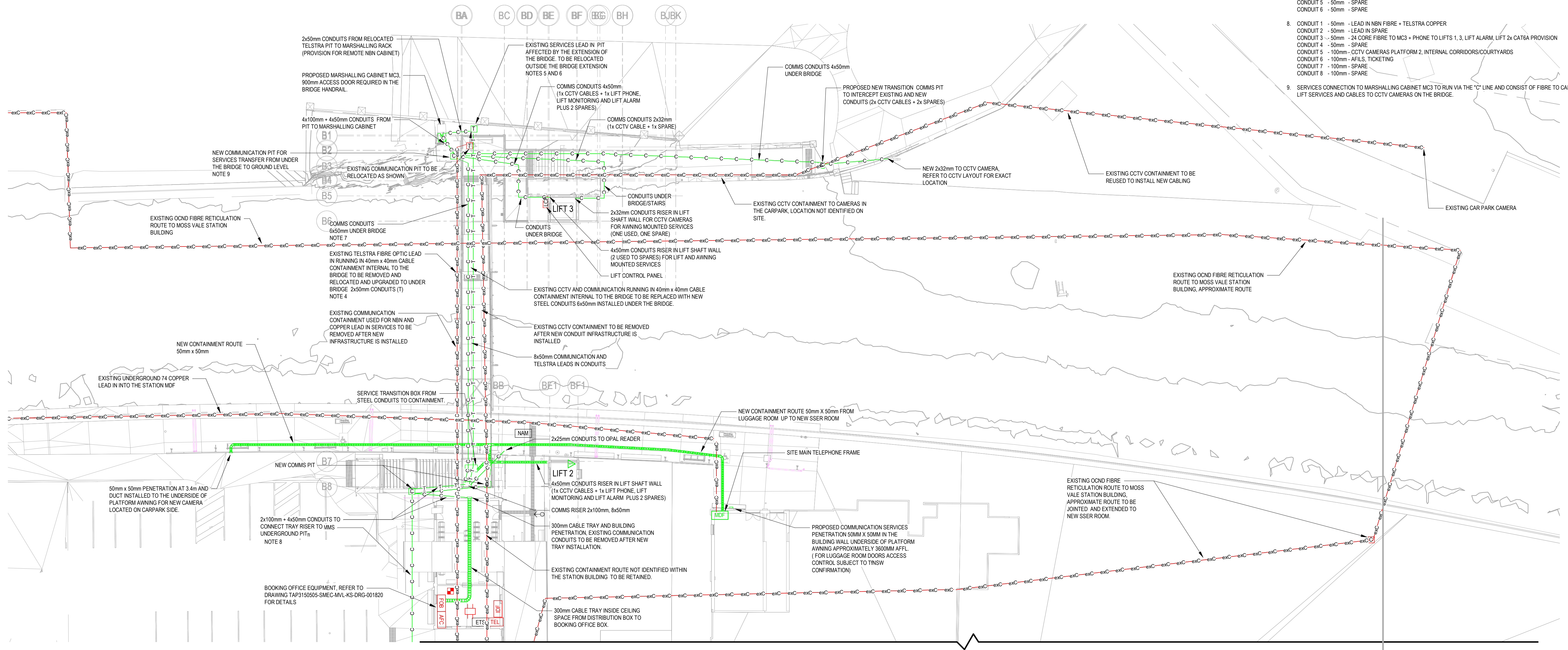
ISSUED FOR S60 SUBMISSION

REFERENCES: TAP3150505-SMEC-MVL-CO-M3D-000001	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1 : 200 	CLIENT: 	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km MOSS VALE STATION UPGRADE SP1-COMMUNICATION DESIGN SITE PLAN RETICULATION SHEET 2																								
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FILE NAME: A:\bbsk\Docs\Moss Vale TAP and Stabling\TAP3150505-SMEC-MVL-KS-M3D-10001.rvt
PLOT DATE & TIME: 25/01/2024 10:36:15 am
Printed By:



- NOTES:
- SERVICES RISERS NEAR LIFTS TO BE INSIDE THE LIFT SHAFT STRUCTURE. FINAL NO OF CONDUITS TBC.
 - REFER TO CSR PACKAGE FOR FURTHER DETAILS REGARDING THE CONDUITS INFRASTRUCTURE AND CONTAINMENT WITHIN THE STATION.
 - REFER TO COMMUNICATION AND SECURITY SERVICES DETAILS FOR EXACT LOCATIONS OF SERVICES AND EQUIPMENT WITH CONDUIT CONNECTION.
 - EXISTING TELSTRA FIBRE OPTIC LEAD IN AND CCTV CABLE CONTAINMENT INSTALLED INTERNAL TO THE BRIDGE TO BE REMOVED ONCE THE NEW CONTAINMENT UNDER THE BRIDGE IS INSTALLED AND CABLES CONNECTED TO SPECIFICATION.
 - FINAL NBN FIBRE OPTIC CONFIGURATION SUBJECT TO APPROVAL BY NBN. NBN FIBRE OPTIC CABLE WORKS BY NBN APPROVED CONTRACTOR.
 - TELSTRA COPPER INCOMING CABLE CONNECTING THE PUBLIC PHONE SHALL BE REINSTATED VIA THE NEW SERVICES CONTAINMENT. FINAL SCOPE OF WORKS TO BE CONFIRMED BY TELSTRA.
 - CONDUIT 1 - 50mm - LEAD IN NBN FIBRE - TELSTRA COPPER
CONDUIT 2 - 50mm - LEAD IN SPARE
CONDUIT 3 - 50mm - 24 CORE FIBRE TO MC3 - PHONE TO LIFT, LIFT ALARM, LIFT 2x CAT5A PROVISION
CONDUIT 4 - 50mm - SPARE
CONDUIT 5 - 100mm - CCTV CAMERAS PLATFORM 2, INTERNAL CORRIDORS/COURTYARDS
CONDUIT 6 - 100mm - AFLS, TICKETING
CONDUIT 7 - 100mm - SPARE
CONDUIT 8 - 100mm - SPARE
 - CONDUIT 1 - 50mm - LEAD IN NBN FIBRE - TELSTRA COPPER
CONDUIT 2 - 50mm - LEAD IN SPARE
CONDUIT 3 - 50mm - 24 CORE FIBRE TO MC3 - PHONE TO LIFTS 1, 3, LIFT ALARM, LIFT 2x CAT5A PROVISION
CONDUIT 4 - 50mm - SPARE
CONDUIT 5 - 100mm - CCTV CAMERAS PLATFORM 2, INTERNAL CORRIDORS/COURTYARDS
CONDUIT 6 - 100mm - AFLS, TICKETING
CONDUIT 7 - 100mm - SPARE
CONDUIT 8 - 100mm - SPARE
 - SERVICES CONNECTION TO MARSHALLING CABINET MC3 TO RUN VIA THE "C" LINE AND CONSIST OF FIBRE TO CABINET, LIFT SERVICES AND CABLES TO CCTV CAMERAS ON THE BRIDGE.



FOR CONTINUATION REFER TO DRAWING TAP3150505-JHA-MVL-KS-DRG-001813

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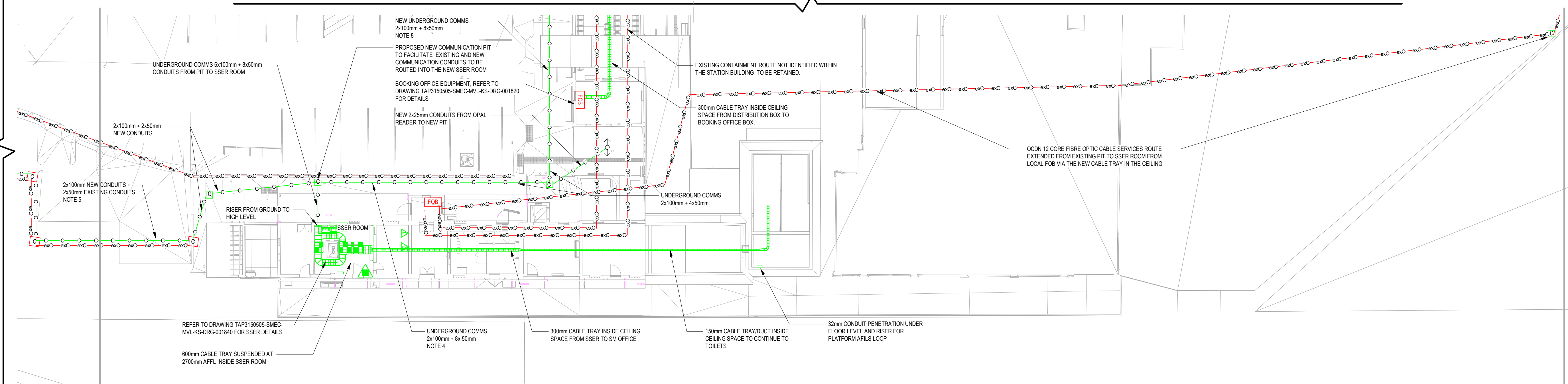
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D	RE-ISSUED FOR S60 SUBMISSION	CS/19.01.24	BM/19.01.24	ME/19.01.24				DRAWN	TRACEY WANG	10.11.2023	
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								APPROVED	MARC ESTIMADA	10.11.2023	
COORDINATE SYSTEM: GDA2020 MGA Zone 56				HEIGHT DATUM: A.H.D		DESIGN LOT CODE:		SMEC JHA COMMUNICATION		DRAWING SET No: STATUS: ISSUED FOR S60 SUBMISSION	
								PART:		SHEET: 3 OF 4 A1	
								REV D		EDMS No.	
										AMD No.	

FILE NAME: A:\bdesk\Docs\Moss Vale TAP and Stabling\TAP3150505-SMEC-MVL-KS-M3D-00001.dwg
PLOT DATE & TIME: 25/01/2024 10:36:24 am
Printed by:

FOR CONTINUATION REFER TO DRAWING TAP3150505-JHA-MVL-CO-DRG-001811

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 - REFER TO COMMUNICATION AND SECURITY SERVICES DETAILS FOR EXACT LOCATIONS OF SERVICES AND EQUIPMENT WITH CONDUIT CONNECTION.
 - CONDUIT 1 - 50mm - LEAD IN NBN FIBRE
 - CONDUIT 2 - 50mm - LEAD IN TELSTRA COPPER
 - CONDUIT 3 - 50mm - LEAD IN SPARE
 - CONDUIT 4 - 50mm - AFLS PLATFORM 2
 - CONDUIT 5 - 50mm - OPAL CARD READER
 - CONDUIT 6 - 50mm - SPARE
 - CONDUIT 7 - 50mm - SPARE
 - CONDUIT 8 - 50mm - SPARE
 - CONDUIT 9 - 100mm - 24 CORE FIBRE TO MC3 + PHONE TO LIFTS 1, 3, LIFT ALARM, LIFT 2x CAT6A PROVISION
 - CONDUIT 10 - 100mm - SPARE
 - CONDUIT 11 - 100mm - CCTV CAMERAS PLATFORM 2, INTERNAL CORRIDORS/ COURTYARDS
 - CONDUIT 12 - 100mm - SPARE

FOR CONTINUATION REFER TO DRAWING TAP3150505-JHA-MVL-KS-DRG-001812



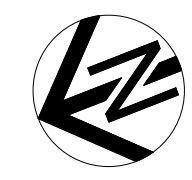
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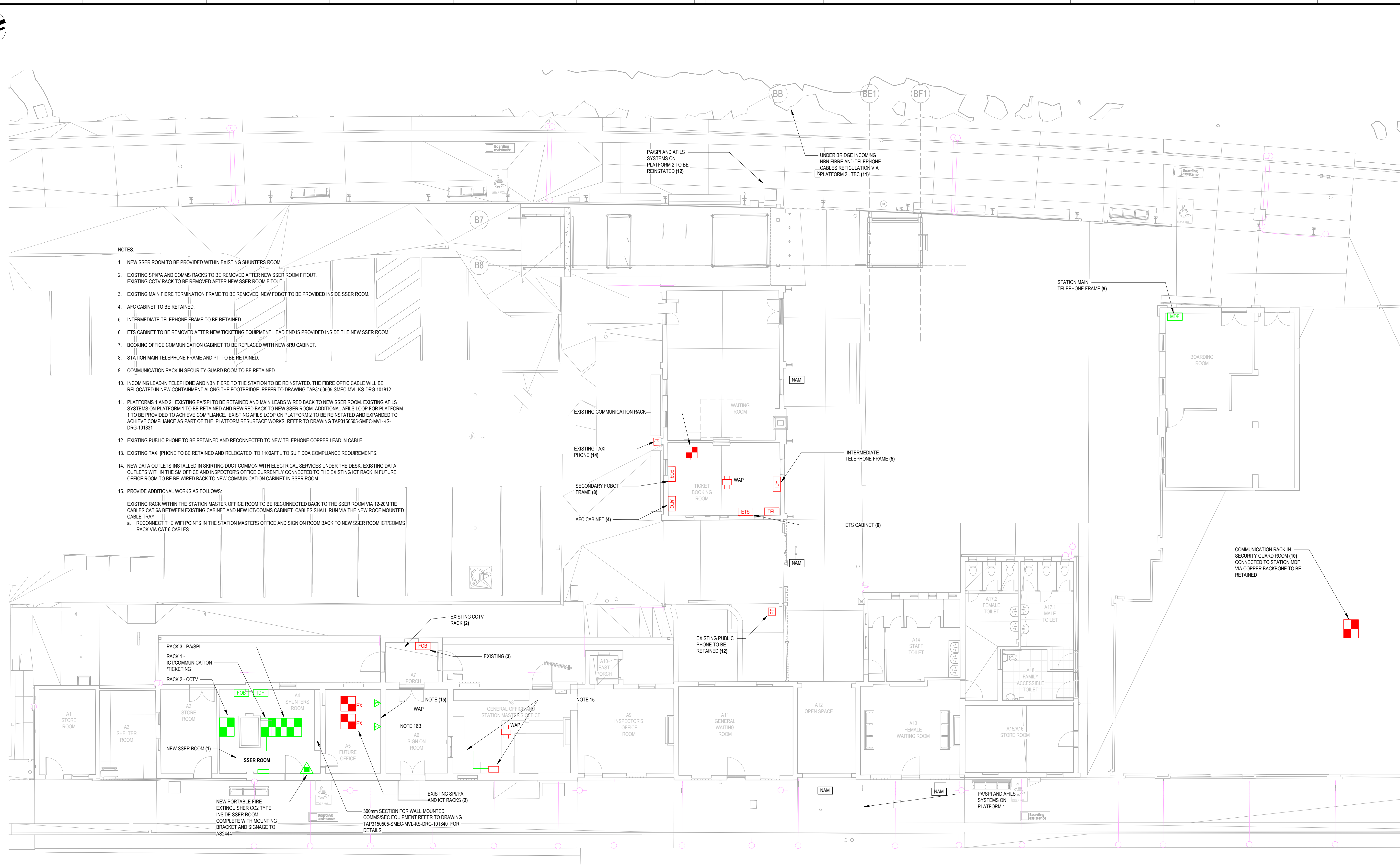
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1 2 3 4 5 6 7 8 9 10 11 12



- NOTES:
1. NEW SSER ROOM TO BE PROVIDED WITHIN EXISTING SHUNTERS ROOM.
 2. EXISTING SP/PA AND COMMS RACKS TO BE REMOVED AFTER NEW SSER ROOM FITOUT. EXISTING CCTV RACK TO BE REMOVED AFTER NEW SSER ROOM FITOUT.
 3. EXISTING MAIN FIBRE TERMINATION FRAME TO BE REMOVED. NEW FBOBT TO BE PROVIDED INSIDE SSER ROOM.
 4. AFC CABINET TO BE RETAINED.
 5. INTERMEDIATE TELEPHONE FRAME TO BE RETAINED.
 6. ETS CABINET TO BE REMOVED AFTER NEW TICKETING EQUIPMENT HEAD END IS PROVIDED INSIDE THE NEW SSER ROOM.
 7. BOOKING OFFICE COMMUNICATION CABINET TO BE REPLACED WITH NEW BRU CABINET.
 8. STATION MAIN TELEPHONE FRAME AND PIT TO BE RETAINED.
 9. COMMUNICATION RACK IN SECURITY GUARD ROOM TO BE RETAINED.
 10. INCOMING LEAD-IN TELEPHONE AND NBN FIBRE TO THE STATION TO BE REINSTATED. THE FIBRE OPTIC CABLE WILL BE RELOCATED IN NEW CONTAINMENT ALONG THE FOOTBRIDGE. REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101812
 11. PLATFORMS 1 AND 2: EXISTING PA/SPI TO BE RETAINED AND MAIN LEADS WIRED BACK TO NEW SSER ROOM. EXISTING AFILS SYSTEMS ON PLATFORM 1 TO BE RETAINED AND REWIRED BACK TO NEW SSER ROOM. ADDITIONAL AFILS LOOP FOR PLATFORM 1 TO BE PROVIDED TO ACHIEVE COMPLIANCE. EXISTING AFILS LOOP ON PLATFORM 2 TO BE REINSTATED AND EXPANDED TO ACHIEVE COMPLIANCE AS PART OF THE PLATFORM RESURFACE WORKS. REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101831
 12. EXISTING PUBLIC PHONE TO BE RETAINED AND RECONNECTED TO NEW TELEPHONE COPPER LEAD IN CABLE.
 13. EXISTING TAXI PHONE TO BE RETAINED AND RELOCATED TO 1100AFFL TO SUIT DDA COMPLIANCE REQUIREMENTS.
 14. NEW DATA OUTLETS INSTALLED IN SKIRTING DUCT COMMON WITH ELECTRICAL SERVICES UNDER THE DESK. EXISTING DATA OUTLETS WITHIN THE SM OFFICE AND INSPECTOR'S OFFICE CURRENTLY CONNECTED TO THE EXISTING ICT RACK IN FUTURE OFFICE ROOM TO BE RE-WIRED BACK TO NEW COMMUNICATION CABINET IN SSER ROOM
 15. PROVIDE ADDITIONAL WORKS AS FOLLOWS:
EXISTING RACK WITHIN THE STATION MASTER OFFICE ROOM TO BE RECONNECTED TO THE SSER ROOM VIA 12-20M TIE CABLES CAT 6A BETWEEN EXISTING CABINET AND NEW ICT/COMMS CABINET. CABLES SHALL RUN VIA THE NEW ROOF MOUNTED CABLE TRAY.
a. RECONNECT THE WIFI POINTS IN THE STATION MASTERS OFFICE AND SIGN ON ROOM BACK TO NEW SSER ROOM ICT/COMMS RACK VIA CAT 6 CABLES.

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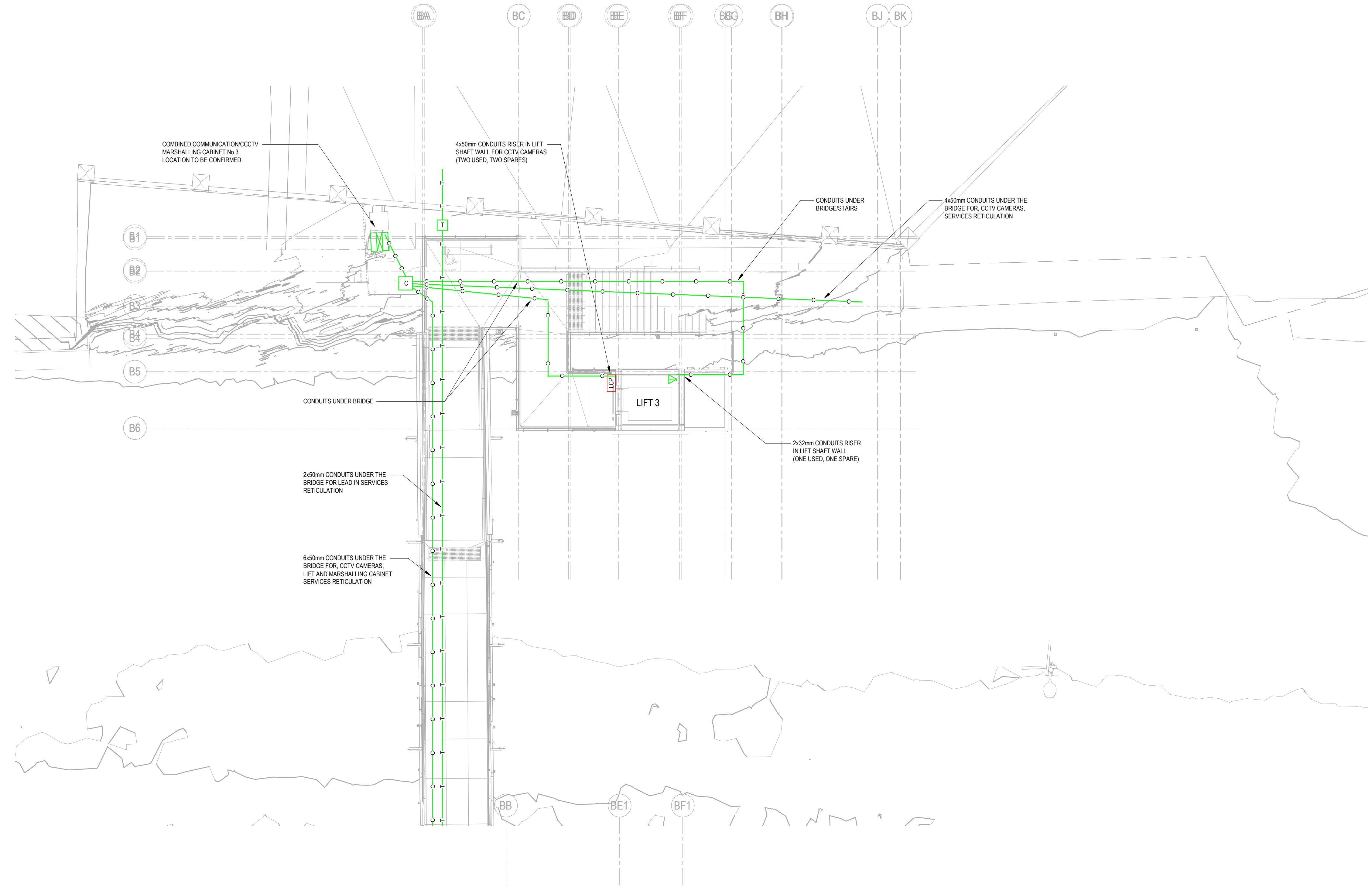
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DEGNAN 	SMEC 	DRAWN _ _ _ TRACEY WANG <i>Tracy</i> 10.11.2023 DESIGNED _ _ _ CON SERBAN <i>CS</i> 10.11.2023 DRG CHECK _ _ _ BARRY MARTIN <i>Barry</i> 10.11.2023 DESIGN CHECK _ _ _ BARRY MARTIN <i>Barry</i> 10.11.2023 PROJ/DES MNGR CON SERBAN <i>CS</i> 10.11.2023 APPROVED _ _ _ MARC ESTIMADA <i>Marc</i> 10.11.2023																																															
SMC JHA COMMUNICATION	<table border="1"> <tr> <td> DRAWING SET No: TAP3150505-SMEC-MVL-KS-DRG-101820 </td> <td> PART: D </td> <td> SHEET: 1 OF 2 </td> <td> A1 </td> </tr> <tr> <td> STATUS: ISSUED FOR S60 SUBMISSION </td> <td> REV 0 </td> <td> VER 0 </td> <td> EDMS No. AMD No. </td> </tr> </table>	DRAWING SET No: TAP3150505-SMEC-MVL-KS-DRG-101820	PART: D	SHEET: 1 OF 2	A1	STATUS: ISSUED FOR S60 SUBMISSION	REV 0	VER 0	EDMS No. AMD No.																																								
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STATUS: ISSUED FOR S60 SUBMISSION	REV 0	VER 0	EDMS No. AMD No.																																														

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PLOT DATE & TIME: 25/01/2024 10:36:38 am
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- NOTES:
- REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101812 FOR SERVICES CONTINUATION DETAILS.
 - REFER TO CSR PACKAGE FOR CONTAINMENT INSTALLATION DETAILS.



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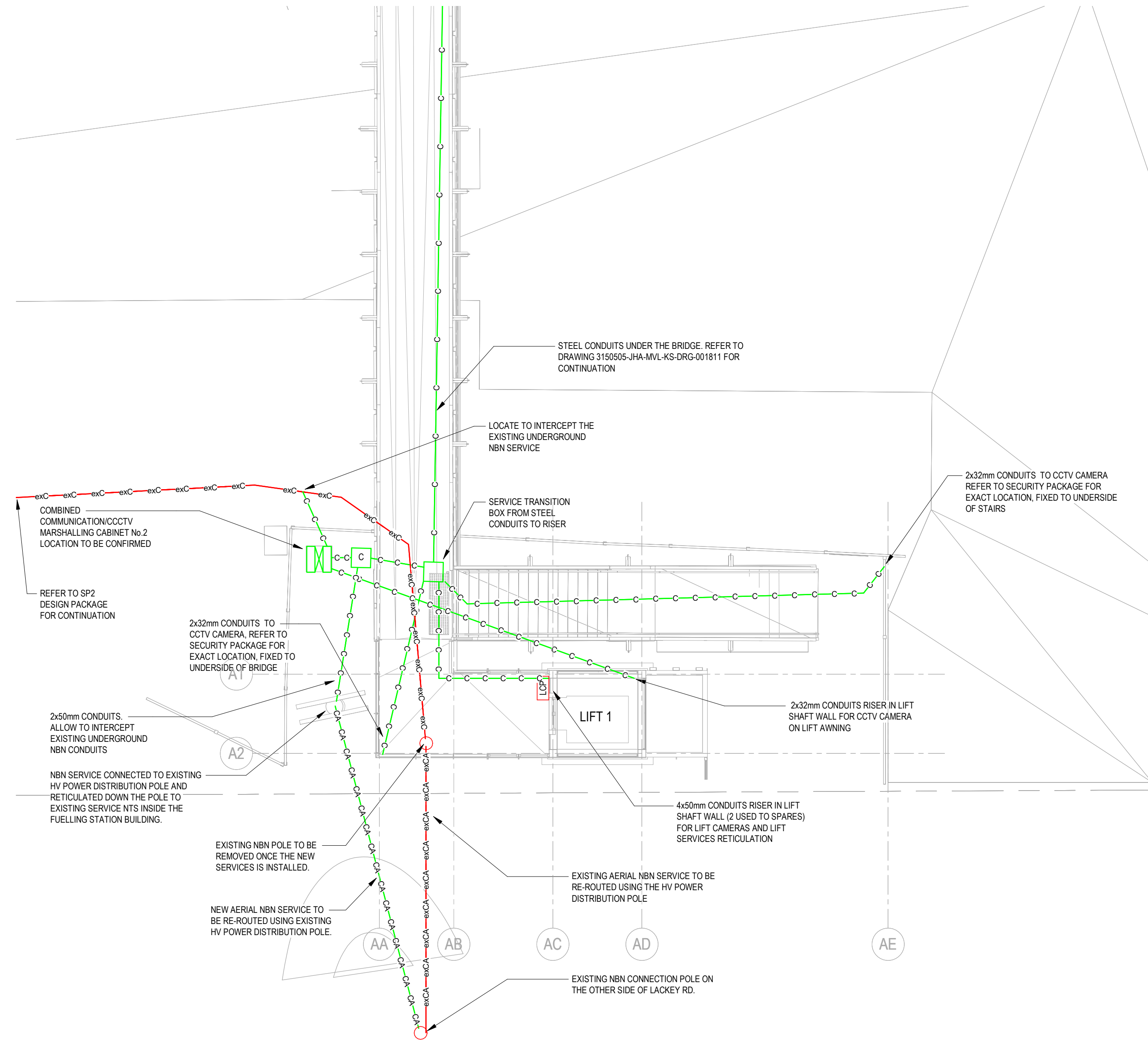
REFERENCES: TAP3150505-SMEC-MVL-CO-M3D-000001	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1 : 100	CLIENT: 	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km MOSS VALE STATION UPGRADE SP1-COMMUNICATION DESIGN ARGYLE BRIDGE LEVEL LAYOUT																					
	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>RE-ISSUED FOR S60 SUBMISSION</td> <td>CS/19.01.24</td> <td>BM/19.01.24</td> <td>ME/19.01.24</td> </tr> <tr> <td>C</td> <td>ISSUED FOR S60 SUBMISSION</td> <td>CS/10.11.23</td> <td>BM/10.11.23</td> <td>ME/10.11.23</td> </tr> <tr> <td>B</td> <td>ISSUED FOR PRELIMINARY DESIGN REVIEW</td> <td>CS/06.10.23</td> <td>BM/06.10.23</td> <td>ME/06.10.23</td> </tr> <tr> <td>A</td> <td>ISSUED FOR SYSTEM DEFINITION REVIEW</td> <td>CS/04.08.23</td> <td>BM/04.08.23</td> <td>ME/04.08.23</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE			APPROVED INITIAL/DATE	D	RE-ISSUED FOR S60 SUBMISSION	CS/19.01.24	BM/19.01.24	ME/19.01.24	C	ISSUED FOR S60 SUBMISSION	CS/10.11.23	BM/10.11.23	ME/10.11.23	B	ISSUED FOR PRELIMINARY DESIGN REVIEW	CS/06.10.23	BM/06.10.23	ME/06.10.23	A	ISSUED FOR SYSTEM DEFINITION REVIEW	CS/04.08.23	BM/04.08.23	ME/04.08.23
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COORDINATE SYSTEM: GDA20 MGA Zone 56		HEIGHT DATUM: A.H.D		DESIGN LOT CODE:	PREPARED FOR: RAIL DELIVERY INFRASTRUCTURE DELIVERY INFRASTRUCTURE AND PLACE	SMEC JHA COMMUNICATION	Printed By: _____																					

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PLOT DATE & TIME: 25/01/2024 10:36:44 am



NOTES:

- EXISTING NBN CONNECTION ASSOCIATED WITH THE FUEL BUILDING IAS AND NTS SYSTEMS TO BE RELOCATED TO HV POLE. ALLOW TO CONTACT NBN PROVIDED AND ORGANISE WORKS WITH AN APPROVED NBN CONTRACTOR TO RELOCATE THE SERVICES FROM EXISTING POLE TO HV POLE. AFTER RELOCATION REMOVE THE NBN POLE FROM SITE. ALLOW TO REINSTATED EXISTING NBN SERVICE TO DEF BUILDING. EXTEND UNDERGROUND NBN CONDUIT TO SUIT THE ABOVE WORKS. COORDINATE WITH NBN CONTRACTOR AS NECESSARY
- NEW COMBINED MARSHALLING CABINET FOR CCTV AND COMMUNICATION SERVICES LOCATED AS SHOWN. THE CABINET SHALL BE IK10 RATED AND PROVIDED WITH SYDNEY TRAINS APPROVED KEY LOCKING SYSTEM. (TBC)



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REFERENCES:

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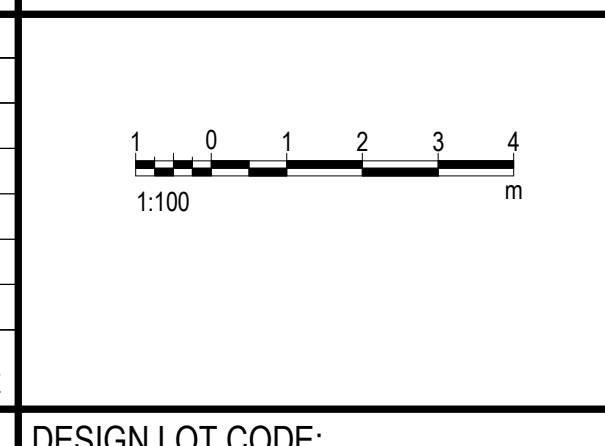
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DESIGNED	CON SERBAN	10.11.2023
DRG CHECK	BARRY MARTIN	10.11.2023
DESIGN CHECK	BARRY MARTIN	10.11.2023
PROJ/DES MNGR	CON SERBAN	10.11.2023
APPROVED	MARC ESTIMADA	10.11.2023

MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km MOSS VALE STATION UPGRADE SP1-COMMUNICATION DESIGN FOOTBRIDGE COMMUNICATION LAYOUT			
DRAWING SET No:	PART:	SHEET: 1 OF 1	A1
STATUS: ISSUED FOR S60 SUBMISSION			
DRG No:	REV	VER	EDMS No.
TAP3150505-SMEC-MVL-KS-DRG-101822	D	0	
AMD No.			

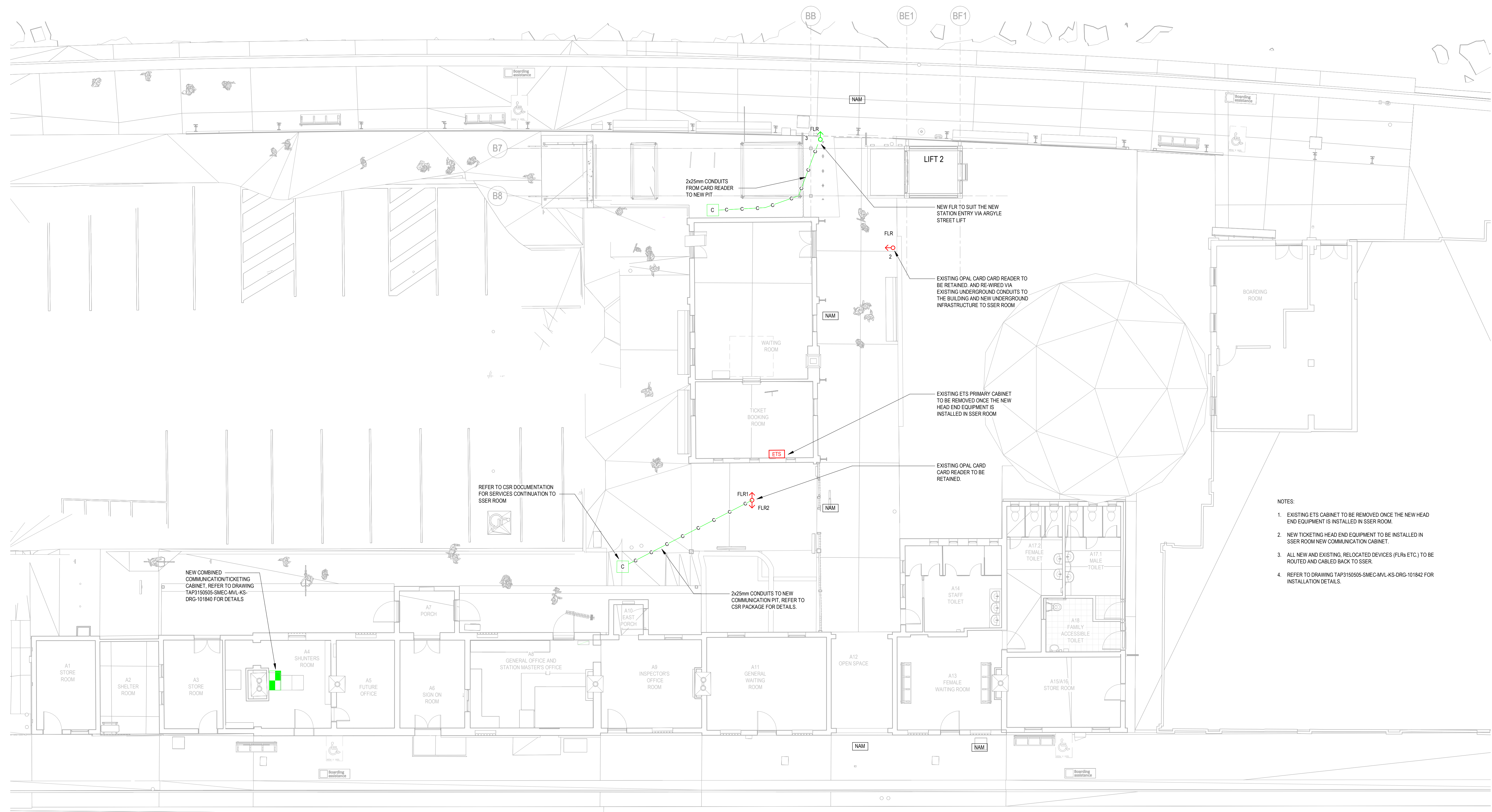
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A	ISSUED FOR SYSTEM DEFINITION REVIEW	CS/04.08.23	BM/04.08.23	ME/04.08.23

COORDINATE SYSTEM: GDA20 MGA Zone 56

HEIGHT DATUM: A.H.D



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PLOT DATE & TIME: 25/01/2024 10:36:50 am
Printed By:



- NOTES:
- EXISTING ETS CABINET TO BE REMOVED ONCE THE NEW HEAD END EQUIPMENT IS INSTALLED IN SSER ROOM.
 - NEW TICKETING HEAD END EQUIPMENT TO BE INSTALLED IN SSER ROOM NEW COMMUNICATION CABINET.
 - ALL NEW AND EXISTING, RELOCATED DEVICES (FLRs ETC.) TO BE ROUTED AND CABLED BACK TO SSER.
 - REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101842 FOR INSTALLATION DETAILS.

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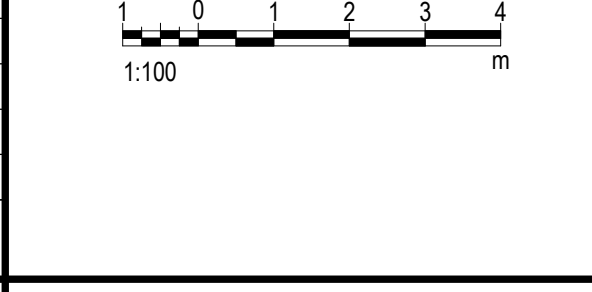
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MOSS VALE
MAIN SOUTH LINE 145.600km TO 145.860km
MOSS VALE STATION UPGRADE
SP1-COMMUNICATION DESIGN
COMMUNICATION TICKETING SYSTEM LAYOUT

REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
D	RE-ISSUED FOR S60 SUBMISSION	CS/19.01.24	BM/19.01.24	ME/19.01.24
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COORDINATE SYSTEM: GDA20 MGA Zone 56			HEIGHT DATUM: A.H.D
DESIGN LOT CODE:			

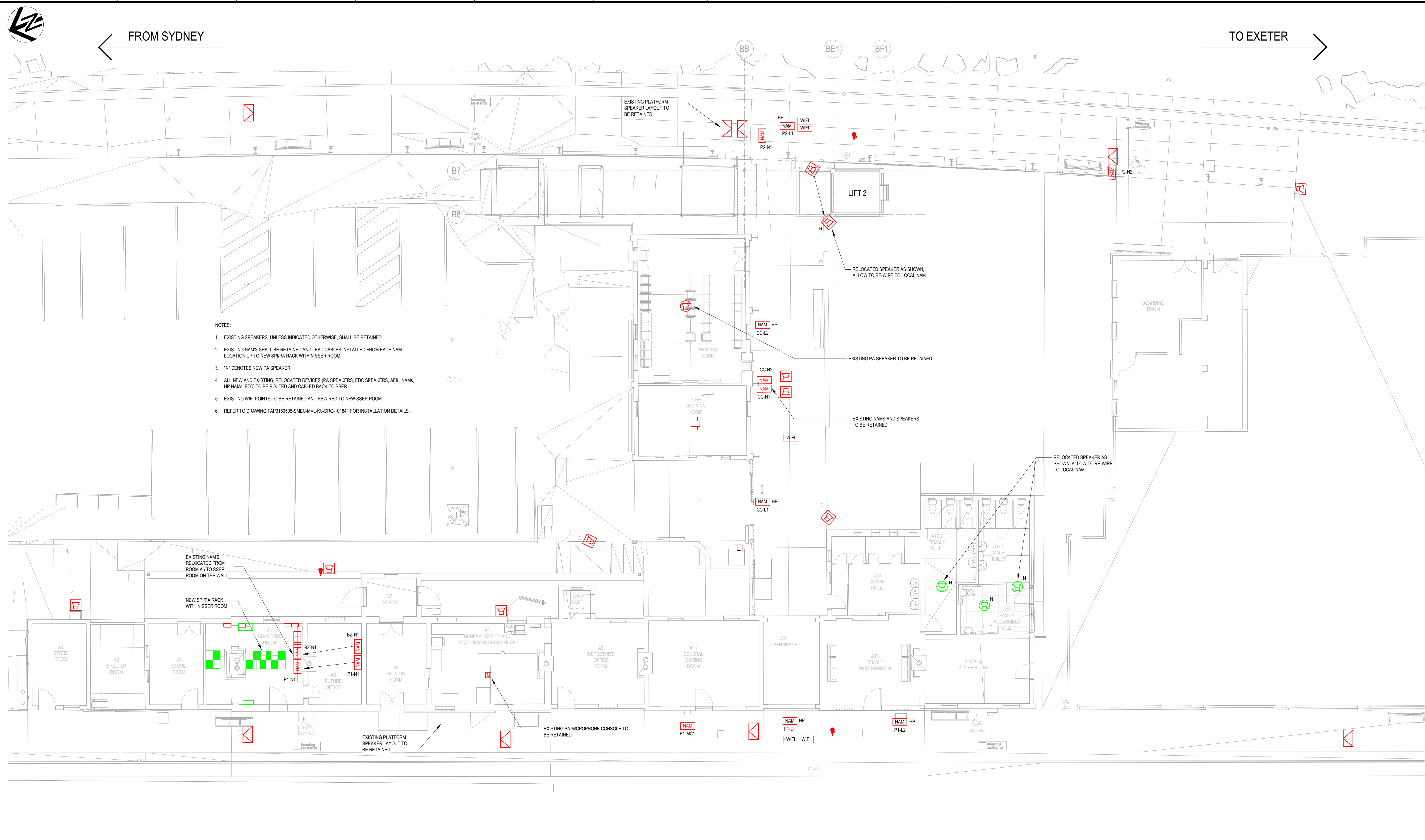


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RAIL DELIVERY
INFRASTRUCTURE DELIVERY
INFRASTRUCTURE AND PLACE

DEGNAN	SMEC	TRACY WANG	10.11.2023
		CON SERBAN	10.11.2023
		BARRY MARTIN	10.11.2023
		BARRY MARTIN	10.11.2023
		CON SERBAN	10.11.2023
		MARC ESTIMADA	10.11.2023

DRAWING SET No:	PART:	SHEET: 1 OF 1	A1
STATUS: ISSUED FOR S60 SUBMISSION			
DRG No:	REV	VER	EDMS No.
TAP3150505-SMEC-MVL-KS-DRG-101824	D	0	

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PLOT DATE & TIME: 25/01/2024 10:36:56 am
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- NOTES:
- EXISTING SPEAKERS, UNLESS INDICATED OTHERWISE, SHALL BE RETAINED.
 - EXISTING NAM'S SHALL BE RETAINED AND LEAD CABLES INSTALLED FROM EACH NAM LOCATION UP TO NEW SSI/PA RACK WITHIN SSER ROOM.
 - "N" DENOTES NEW PA SPEAKER.
 - ALL NEW AND EXISTING, RELOCATED DEVICES (PA SPEAKERS, EDC SPEAKERS, AFIL, NAMs, HP NAMs, ETC) TO BE ROUTED AND CABLED BACK TO SSER.
 - EXISTING WIFI POINTS TO BE RETAINED AND REWIRED TO NEW SSER ROOM.
 - REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101841 FOR INSTALLATION DETAILS.

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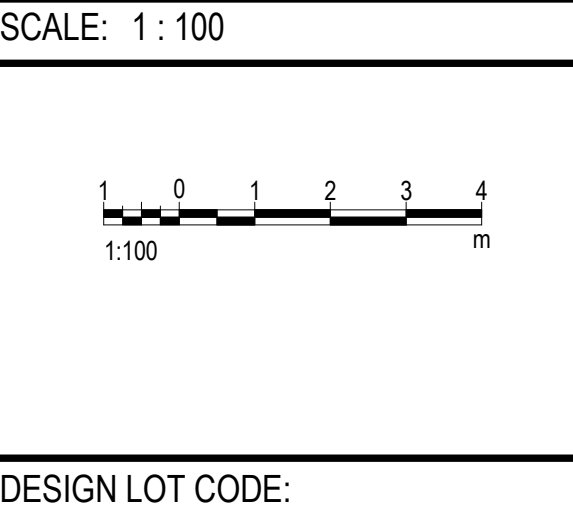
REFERENCES:

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
D	RE-ISSUED FOR S60 SUBMISSION	CS/19.01.24	BM/19.01.24	ME/19.01.24
C	ISSUED FOR S60 SUBMISSION	CS/10.11.23	BM/10.11.23	ME/10.11.23
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A	ISSUED FOR SYSTEM DEFINITION REVIEW	CS/04.08.23	BM/04.08.23	ME/04.08.23

COORDINATE SYSTEM: GDA20 MGA Zone 56 HEIGHT DATUM: A.H.D.



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INFRASTRUCTURE DELIVERY
INFRASTRUCTURE AND PLACE

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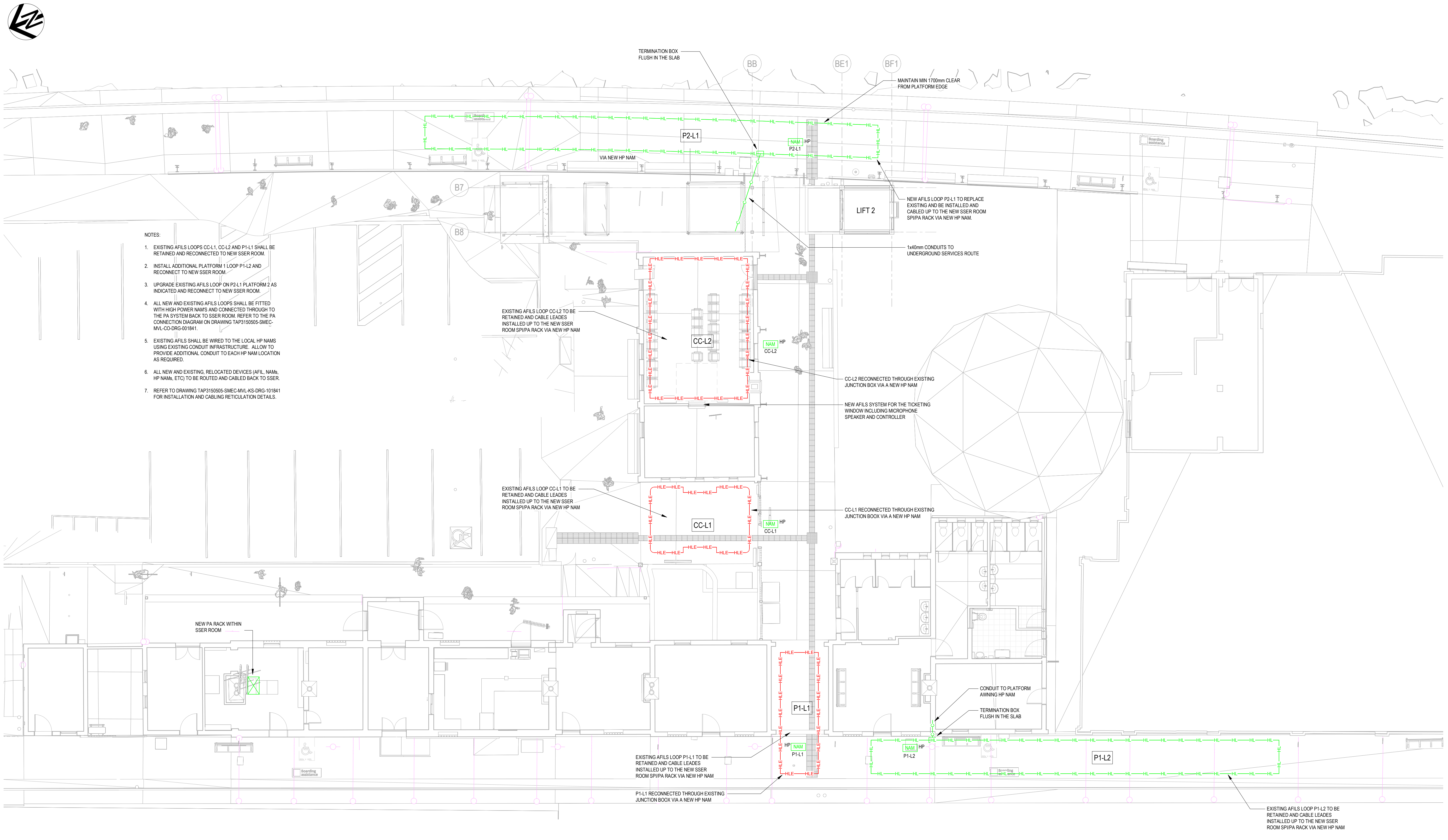
SMC
JHA
COMMUNICATION

DRAWN	TRACEY WANG	10.11.2023
DESIGNED	CON SERBAN	10.11.2023
DRG CHECK	BARRY MARTIN	10.11.2023
DESIGN CHECK	BARRY MARTIN	10.11.2023
PROJ/DES MNGR	CON SERBAN	10.11.2023
APPROVED	MARC ESTIMADA	10.11.2023

MOSS VALE
MAIN SOUTH LINE 145.600km TO 145.860km
MOSS VALE STATION UPGRADE
SP1-COMMUNICATION DESIGN
PUBLIC ADDRESS LAYOUT

DRAWING SET No:	PART:	SHEET: 1 OF 1	A1
STATUS: ISSUED FOR S60 SUBMISSION			
DRG No:	REV	VER	EDMS No.
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AMD No.			

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- NOTES:
- EXISTING AFIS LOOPS CC-L1, CC-L2 AND P1-L1 SHALL BE RETAINED AND RECONNECTED TO NEW SSER ROOM.
 - INSTALL ADDITIONAL PLATFORM 1 LOOP P1-L2 AND RECONNECT TO NEW SSER ROOM.
 - UPGRADE EXISTING AFIS LOOP ON P2-L1 PLATFORM 2 AS INDICATED AND RECONNECT TO NEW SSER ROOM.
 - ALL NEW AND EXISTING AFIS LOOPS SHALL BE FITTED WITH HIGH POWER NAMS AND CONNECTED THROUGH TO THE PA SYSTEM BACK TO SSER ROOM. REFER TO THE PA CONNECTION DIAGRAM ON DRAWING TAP3150505-SMEC-MVL-CO-DRG-001841.
 - EXISTING AFIS SHALL BE WIRED TO THE LOCAL HP NAMS USING EXISTING CONDUIT INFRASTRUCTURE. ALLOW TO PROVIDE ADDITIONAL CONDUIT TO EACH HP NAM LOCATION AS REQUIRED.
 - ALL NEW AND EXISTING, RELOCATED DEVICES (AFIL, NAMs, HP NAMS, ETC) TO BE ROUTED AND CABLED BACK TO SSER.
 - REFER TO DRAWING TAP3150505-SMEC-MVL-KS-DRG-101841 FOR INSTALLATION AND CABLING RETICULATION DETAILS.

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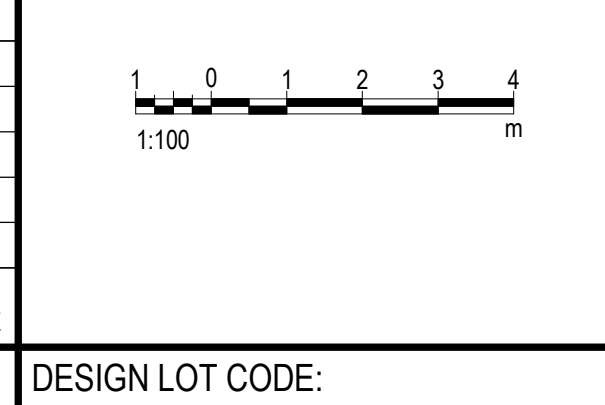
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MOSS VALE
MAIN SOUTH LINE 145.600km TO 145.860km
MOSS VALE STATION UPGRADE
SP1-COMMUNICATION DESIGN
AFIS SYSTEM LAYOUT

REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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C	ISSUED FOR S60 SUBMISSION	CS/10.11.23	BM/10.11.23	ME/10.11.23
B	ISSUED FOR PRELIMINARY DESIGN REVIEW	CS/06.10.23	BM/06.10.23	ME/06.10.23
A	ISSUED FOR SYSTEM DEFINITION REVIEW	CS/04.08.23	BM/04.08.23	ME/04.08.23

COORDINATE SYSTEM: GDA20 MGA Zone 56		HEIGHT DATUM: A.H.D	
DESIGN LOT CODE:			



PREPARED FOR:
RAIL DELIVERY
INFRASTRUCTURE DELIVERY
INFRASTRUCTURE AND PLACE

DRAWN	TRACEY WANG	10.11.2023
DESIGNED	CON SERBAN	10.11.2023
DRG CHECK	BARRY MARTIN	10.11.2023
DESIGN CHECK	BARRY MARTIN	10.11.2023
PROJ/DES MNGR	CON SERBAN	10.11.2023
APPROVED	MARC ESTIMADA	10.11.2023

DRAWING SET No:	PART:	SHEET: 1 OF 1	A1
STATUS: ISSUED FOR S60 SUBMISSION			
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Plotted By:

A

B

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D

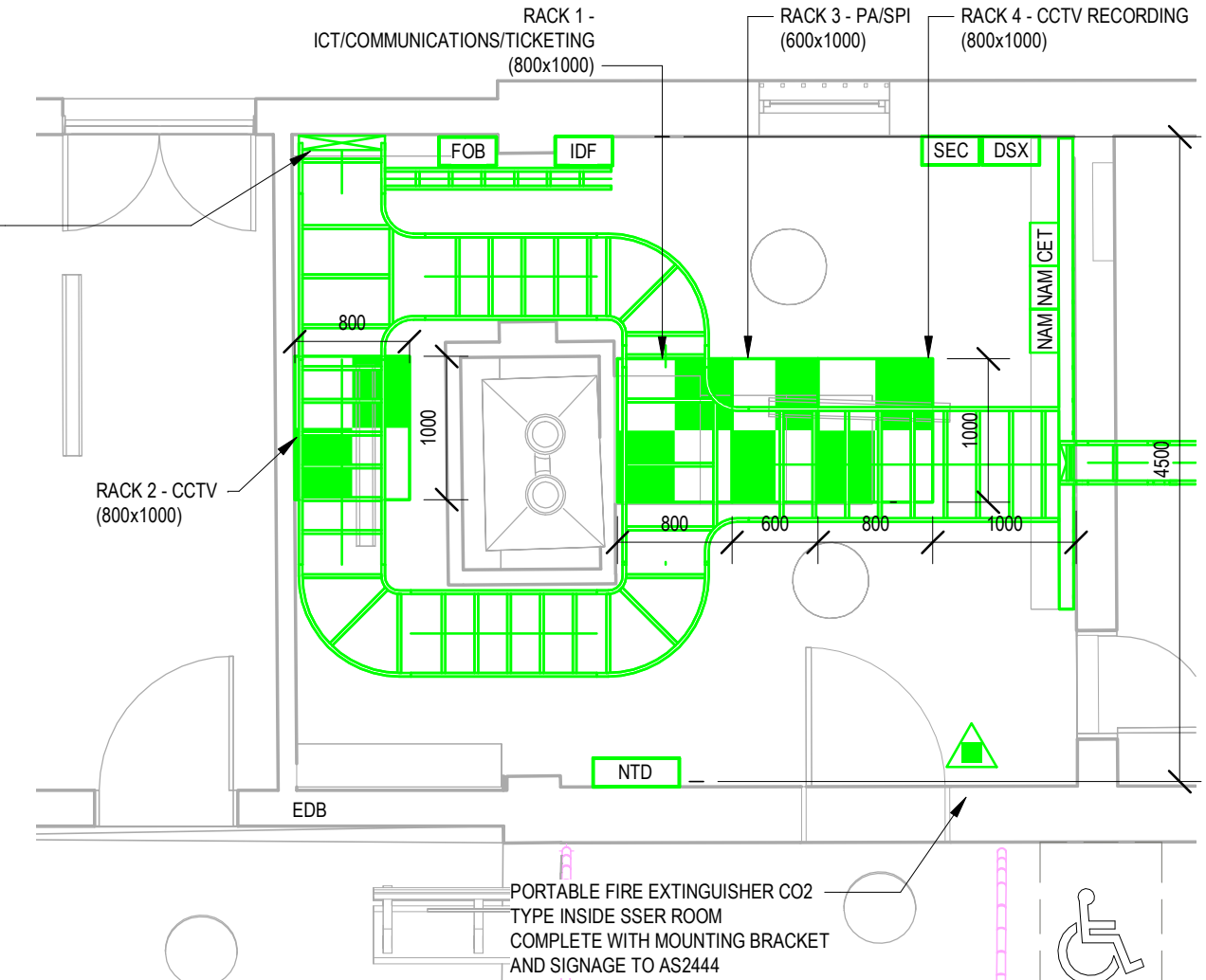
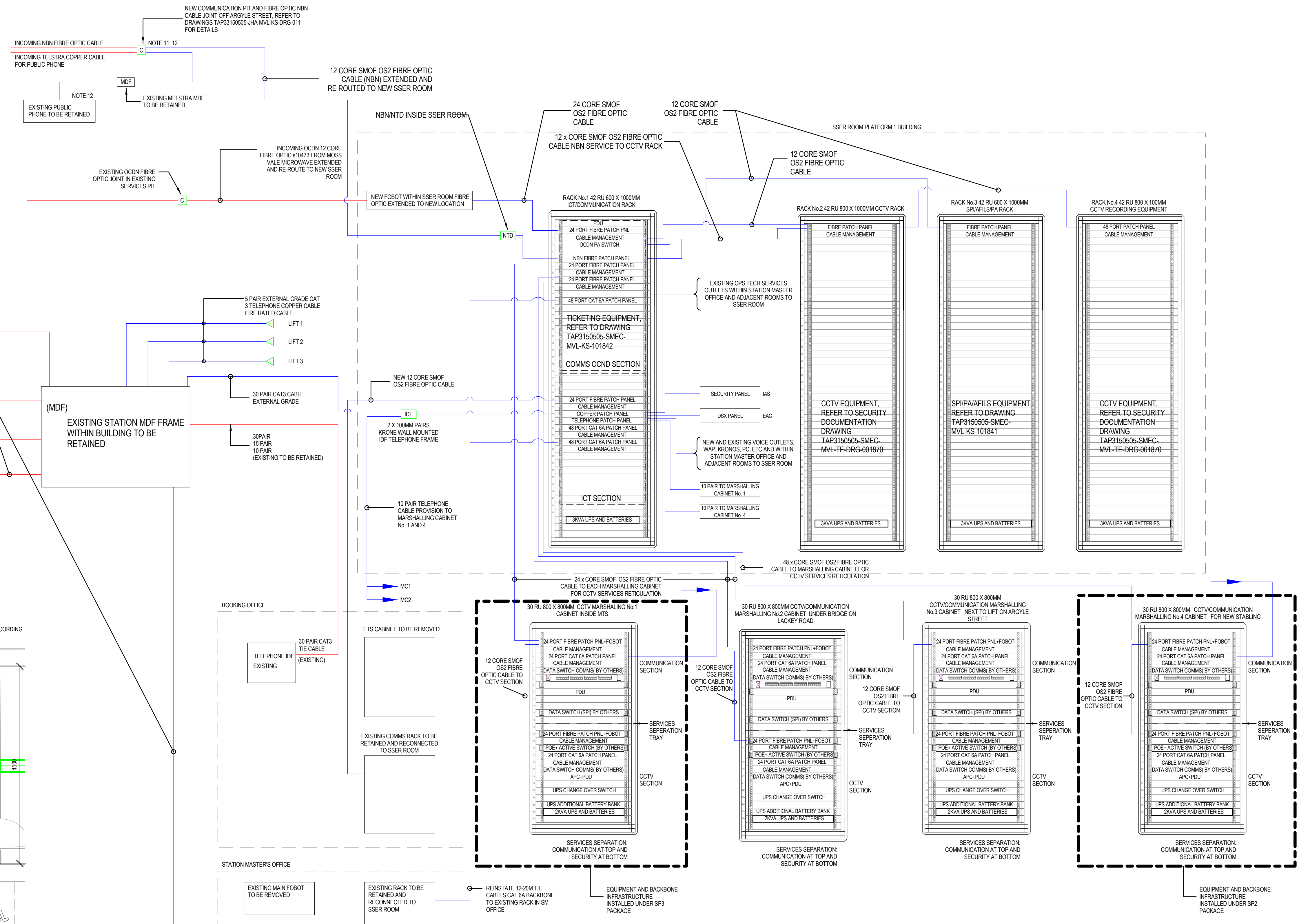
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- NOTES:
- ENSURE THAT NEW RACKS ARE LEVELLED AND PERMANENTLY AFFIXED TO THE FLOOR AS PER SECTION 9.1.1 - AMB STANDARD "T MU MD 21001 ST".
 - DURING BUILDING WORKS, ENSURE ALL RACKS ARE APPROPRIATELY PROTECTED FROM CONSTRUCTION DUST.
 - IDF INSIDE SSER ROOM SHOULD HAVE MINIMUM CLEARANCE OF 300MM ON EITHER SIDE AND 900MM FROM THE FRONT ARE MAINTAINED (AS PER AS/CA S009:2013 - APPENDIX D, FIGURES 2 & 3).
 - ALL RACKS SHALL BE PROVIDED WITH CABLE MANAGEMENT SYSTEM, AS PER AMB STANDARD "T MU MD 21001 ST".
 - WITHIN THE SSER ROOM SUPPLY AND INSTALL A SUSPENDED 600MM WIDE BASKET TYPE CABLE TRAY SYSTEM SHOULD BE INSTALLED TO ROUTE CABLES TO THE RACKS AS DOCUMENTED. CABLE TRAYS SHOULD BE FITTED WITH "WATERFALL" CABLE RADIUS GUIDES ABOVE EACH RACK POSITION. LADDER TRAY FO SIZE AS INDICATED SHOULD BE PROVIDED DOWN WALLS ON THE MAIN ROUTE BETWEEN THE OVERHEAD BASKET CABLE TRAY AND CONDUITS.
 - ALL COMMUNICATIONS CABLE TRAYS NEED TO BE EARTHED TO THE SSER EARTHING TERMINAL. THE CABLE TRAY WILL NEED TO CONNECT RACK 1 WITH THE OTHER RACKS.
 - PROVIDE A COMMUNICATION EARTHING TERMINAL WHICH SHALL EARTH ALL EQUIPMENT AND CABLE TRAYS WITHIN THE ROOM. ENSURE THAT NEW RACKS ARE LEVELLED AND PERMANENTLY AFFIXED TO THE FLOOR AS PER SECTION 9.1.1 - AMB STANDARD "T MU MD 21001 ST".
 - CABLE ENTRIES SHALL BE SEALED TO PREVENT THE ENTRY OF VERMIN (E.G. RATS, SPIDERS, PROVIDE FIRE BARRIER WITHIN PENETRATIONS FOR COMMUNICATIONS CABLES AND POWER DISTRIBUTION ARE FITTED WITH RE-OPENABLE INTUMESCENT FOAM FILLED FIRE-RATED CABLE TRANSITS.
 - PROVIDE EARTHING AND SURGE SUPPRESSION REQUIREMENTS FOR EQUIPMENT ROOMS NEED TO COMPLY WITH THE REQUIREMENTS IN AMB STANDARD "T HR TE 21002 ST".
 - ALL CABLES INSTALLED EXTERNALLY UNDERGROUND SHALL BE WATER PROOF TYPE AS NOMINATED.
 - FINAL NBN FIBRE OPTIC CONFIGURATION SUBJECT TO APPROVAL BY NBN. NBN FIBRE OPTIC CABLE WORKS BY NBN APPROVED CONTRACTOR.
 - TELSTRA COPPER INCOMING CABLE CONNECTING THE PUBLIC PHONE SHALL BE REINSTATED VIA THE NEW SERVICES CONTAINMENT. FINAL SCOPE OF WORKS TO BE CONFIRMED BY TELSTRA.
 - RED LINE DENOTES EXISTING CABLES TO BE RETAINED/MODIFIED AS DOCUMENTED BLUE LINE DENOTES NEW CABLE RETICULATION



TELEPHONE / FIBRE BACKBONE INFRASTRUCTURE CABLE DIAGRAM

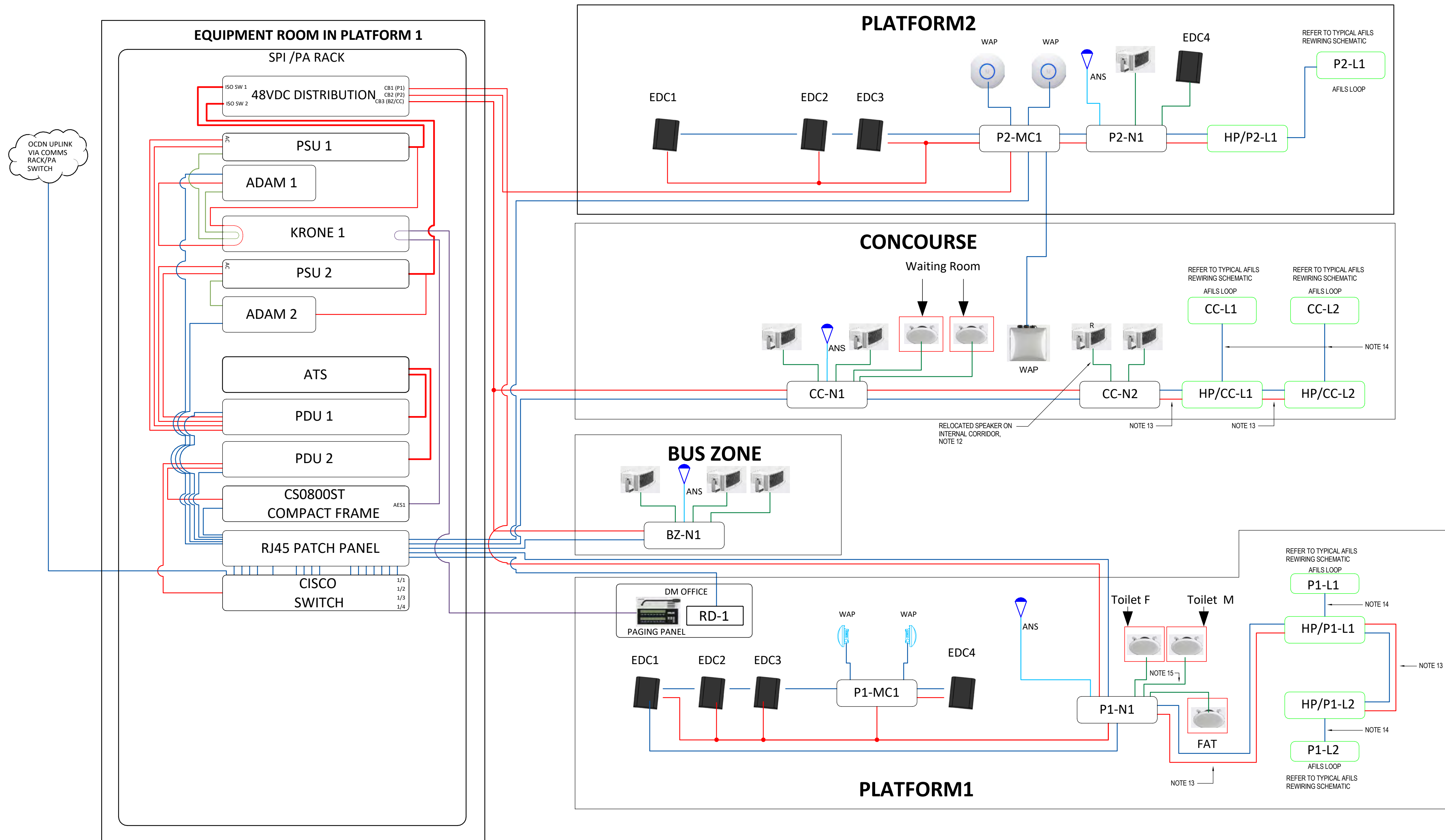
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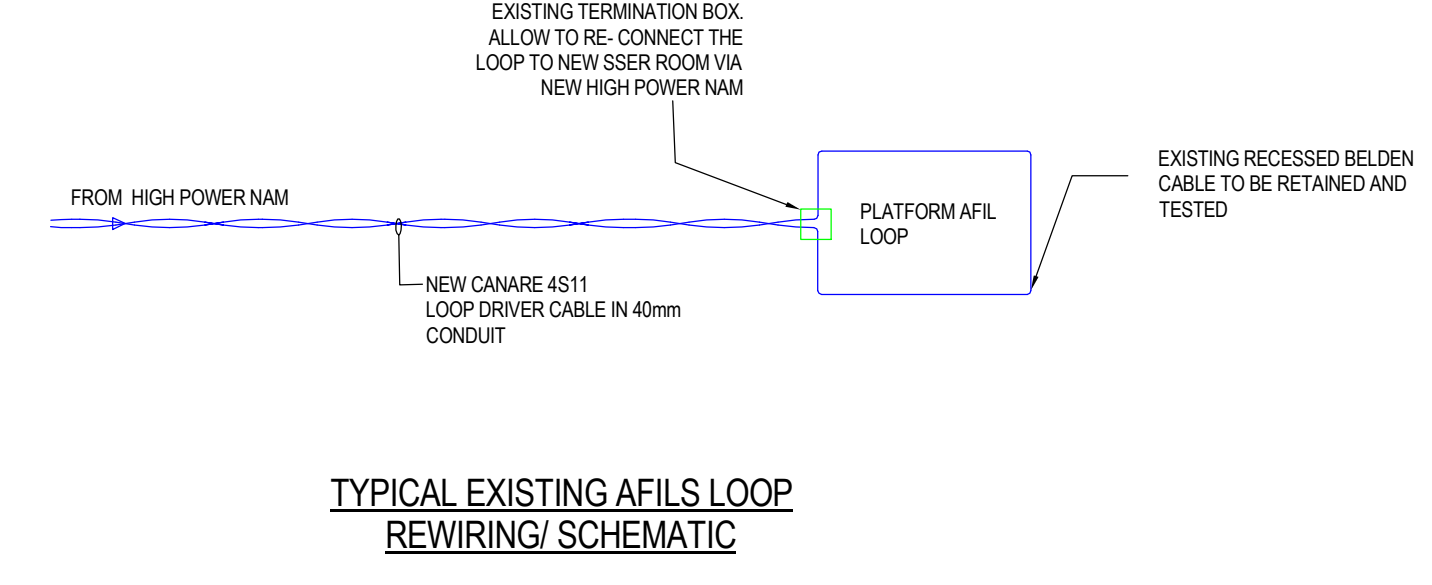
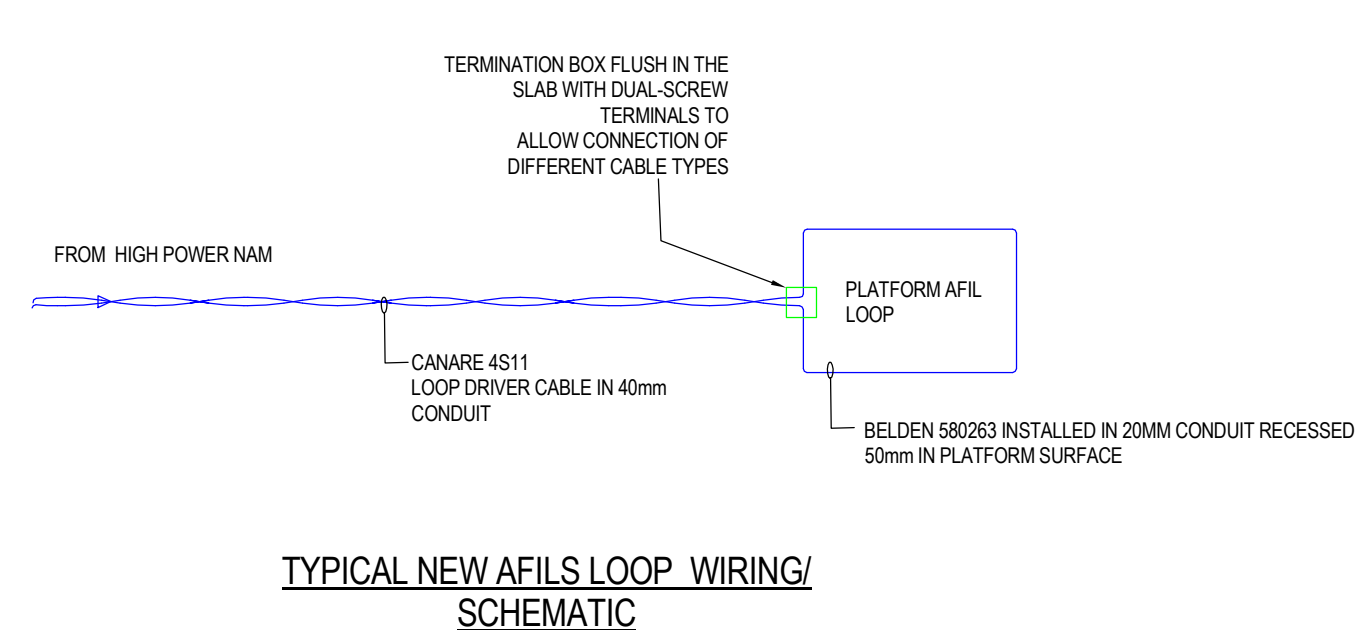
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<p>REFERENCES:</p> <p>TAP3150505-SMEC-MVL-CO-M3D-000001</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: As indicated</p>	<p>CLIENT:</p>	<p>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.</p> <p>Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</p>	<p>MOSS VALE MAIN SOUTH LINE 145.600km TO 145.860km MOSS VALE STATION UPGRADE SP1-COMMUNICATION DESIGN COMMUNICATION SYSTEM DIAGRAM AND DETAILS</p>																											
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FILE NAME: A:\Subdesk\Docs\Moss Vale TAP and Stabling\TAP3150505-SMEC-MVL-KS-M3D-10001.rvt PLOT DATE & TIME: 25/01/2024 12:40:24 pm



- NOTES PA/AFILS:
- PLATFORM 1 RETICULATION FOR PA NAMS P1-N1 AND P2-N1 FROM PA RACK VIA DC CABLE PLUS CAT5E UTP EXTERNAL GRADE.
 - PLATFORM 1 AND 2 AFILS TO RUN IN CANARE 4S11 LOOP DRIVER CABLE UP TO AFILS LOOP TERMINATION BOX AND BELDEN 580263 FOR LOOP.
 - FOR AFILS SYSTEM THE CONTRACTOR SHALL UTILISE WILLIAMS SOUND MODEL (PLADL107NETD) LOOP DRIVER CUSTOMER OPS PASSENGER INFORMATION (CONTACT-CHARLES, CHAN, KIM HA) SHALL BE ENGAGED FOR COORDINATION WITH REGARDS TO TYPES AND MODELS OF ANY PA & AFILS EQUIPMENT PRIOR PROCUREMENT OR SERVICES INSTALLATION.
 - AFILS LOOP CORNERS ARE QUARTER ROUNDED AND NOT OVERCUT. USE BLACK EPOXY TO FILL THE CHANNEL.
 - THE BOUNDARIES OF THE AFILS LISTENING AREAS ARE TO BE DESIGNATED BY SIGNS COMPLIANT TO THE SYMBOLS AND SIGNAGE REQUIREMENTS OF SECTION 16 AND SECTION 17 OF AS1428.2-1992.
 - INSTALLATION OF PA SPEAKERS & AFILS SHALL COMPLY WITH THE AUDIO INTELLIGIBILITY REQUIREMENTS OUTLINED IN ASA STANDARD "T MU TE 61005 ST-CUSTOMER INFORMATION SYSTEM FOR PUBLIC TRANSPORT BUILDING AND CONVEYANCES, SECTION 8.5.2-AUDIO INTELLIGIBILITY"
 - ALL AFIL AMPS AND HP NAMS WHERE MODIFIED/REINSTATED ARE TO BE CONFIGURED WITH NOTCH FILTERS TO PREVENT ANY INTERFERENCE ISSUES THE SIGNALING SYSTEM.
 - ENSURE HEARING LOOPS ARE NOT INSTALLED WITHIN 1.65M FROM THE PLATFORM COPING, NOR THROUGH ANY PLATFORM FACILITIES.
 - ENSURE A CONCRETE SCAN IS CONDUCTED FOR CONCRETE SURFACES (CONCOURSE, PLATFORM) TO ASCERTAIN THE DEPTH OF SERVICES AND THE RIO STEEL BARMESH.
 - THE BOUNDARIES OF THE AFILS LISTENING AREAS ARE TO BE DESIGNATED BY SIGNS COMPLIANT TO THE SYMBOLS AND SIGNAGE REQUIREMENTS OF SECTION 16 AND SECTION 17 OF AS 1428.2-1992.
 - ENSURE ALL NEW NAMS AND MEDIA CONVERTERS ARE INSTALLED IN A VERTICAL POSITION TO ALLOW EASY MAINTENANCE ACCESS AND PREVENT WATER INGRESS. IN OTHER WORDS, THE CABLE ENTRY MUST ALWAYS BE AT THE BOTTOM UNLESS PRIOR APPROVAL IS GIVEN DUE TO LIMITATION OF SITE CONDITION.
 - ALL NEW AND RELOCATED PA SPEAKERS SHALL BE RE-WIRED TO THE DESIGNATED NAMS. ALL EXISTING NAM LOOPS SHALL BE RE-WIRED TO SSER ROOM.
 - ALL NEW HP NAMS SHALL BE CONNECTED TO LOCAL NAM LOOPS AS DOCUMENTED. USING DC CABLE PLUS CAT5E UTP EXTERNAL GRADE.
 - ALL NEW AND EXISTING AFILS LOOPS SHALL BE WIRED TO NEW HP NAMS AS DOCUMENTED.
 - TOILETS PA SPEAKERS TO BE WIRED TO LOCAL NAM.
 - UNLESS INDICATED OTHERWISE ALL EXISTING PA EQUIPMENT SHALL BE RETAINED.
 - ALL NEW AND EXISTING, RELOCATED DEVICES (PA SPEAKERS, EDC SPEAKERS, AFIL, NAMS, HP NAMS, ETC) TO BE ROUTED AND CABLED BACK TO SSER.

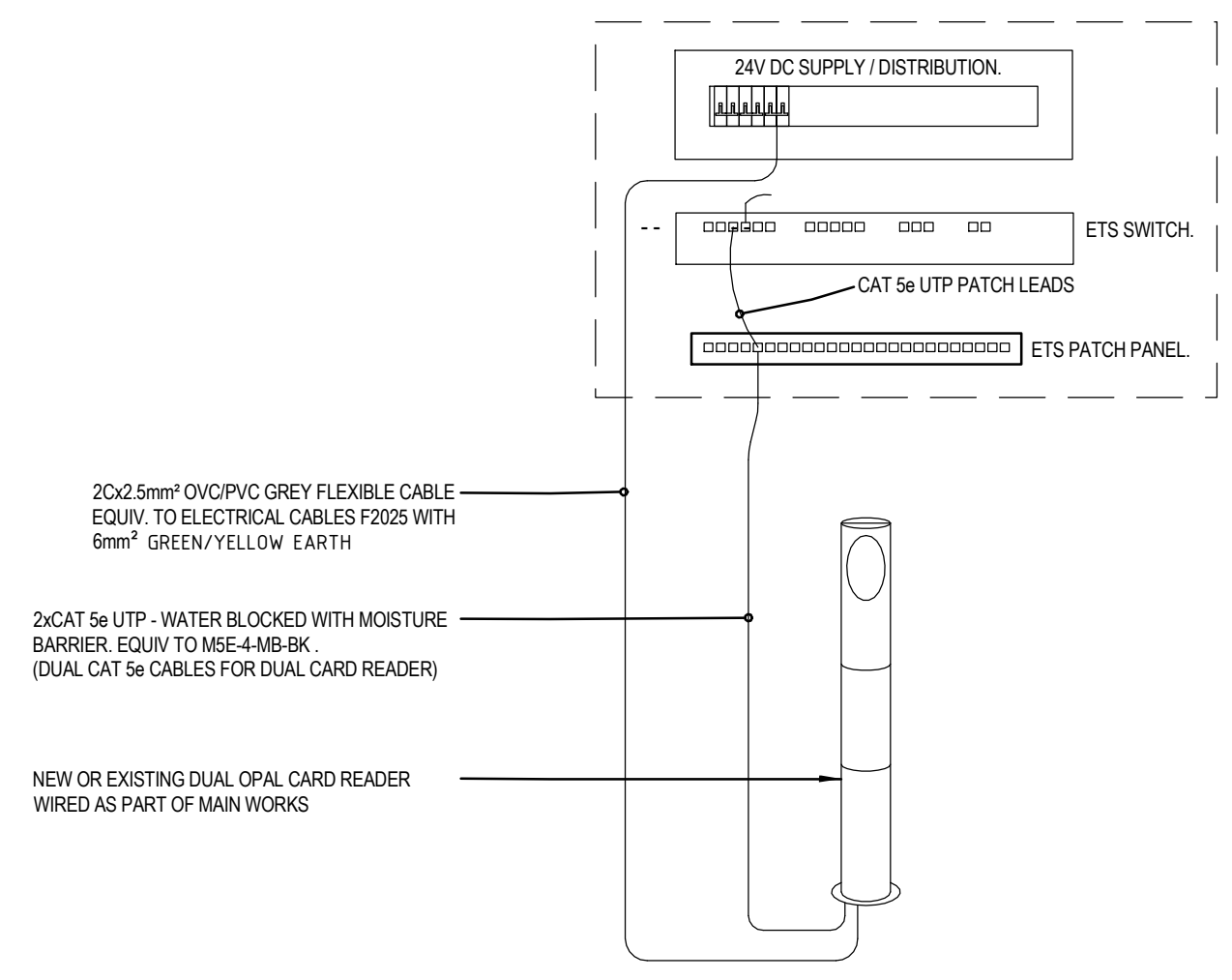
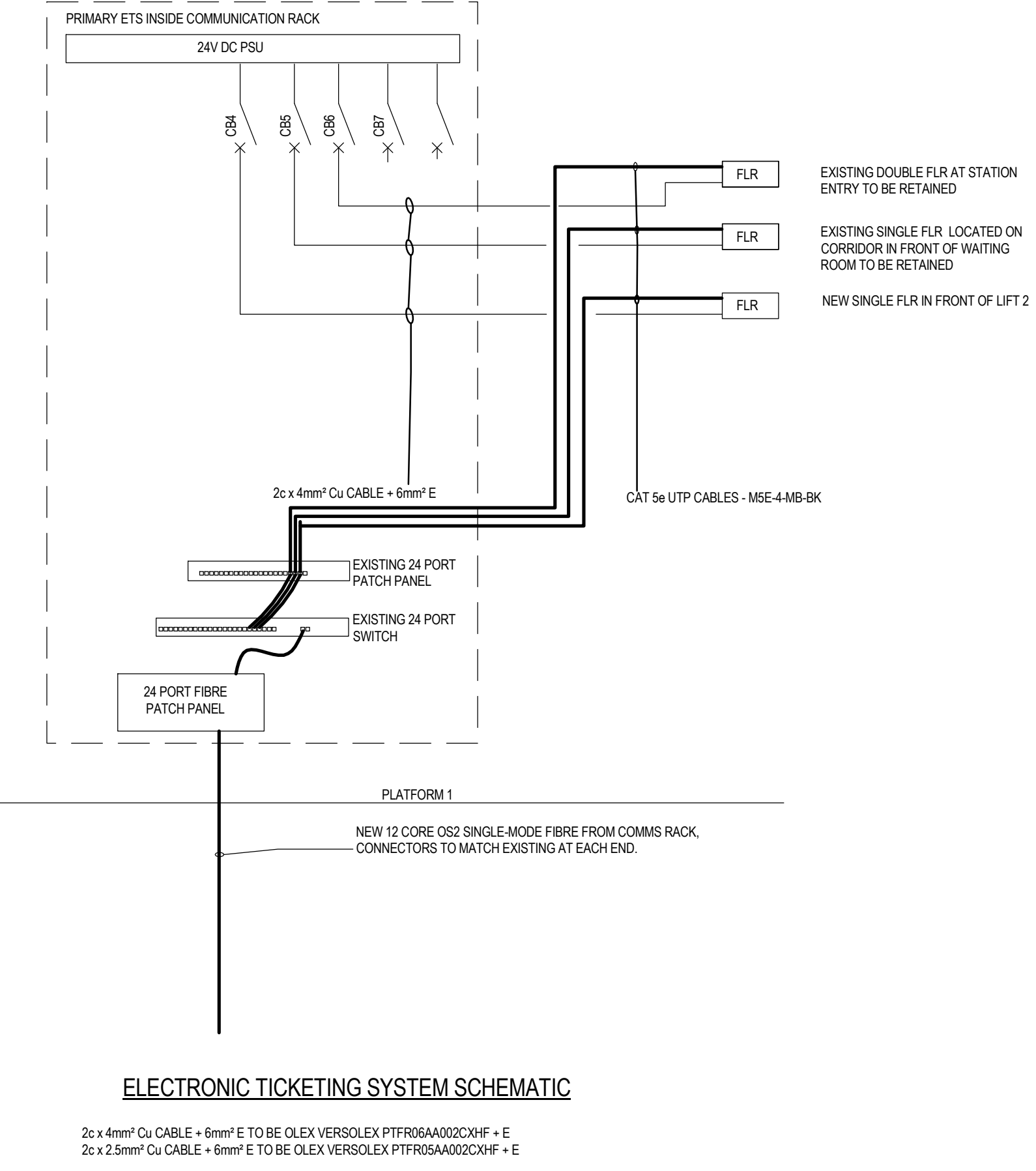


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TYPICAL OPAL CARD READER (FLR) CONNECTION

- NOTES:
- EXISTING FLRS TO BE REWIRED BACK TO NEW SSER ROOM PRIMARY ETS INSIDE COMMUNICATION RACK.
 - NEW FLR TO BE WIRED TO NEW SSER ROOM PRIMARY ETS INSIDE COMMUNICATION CABINET.

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