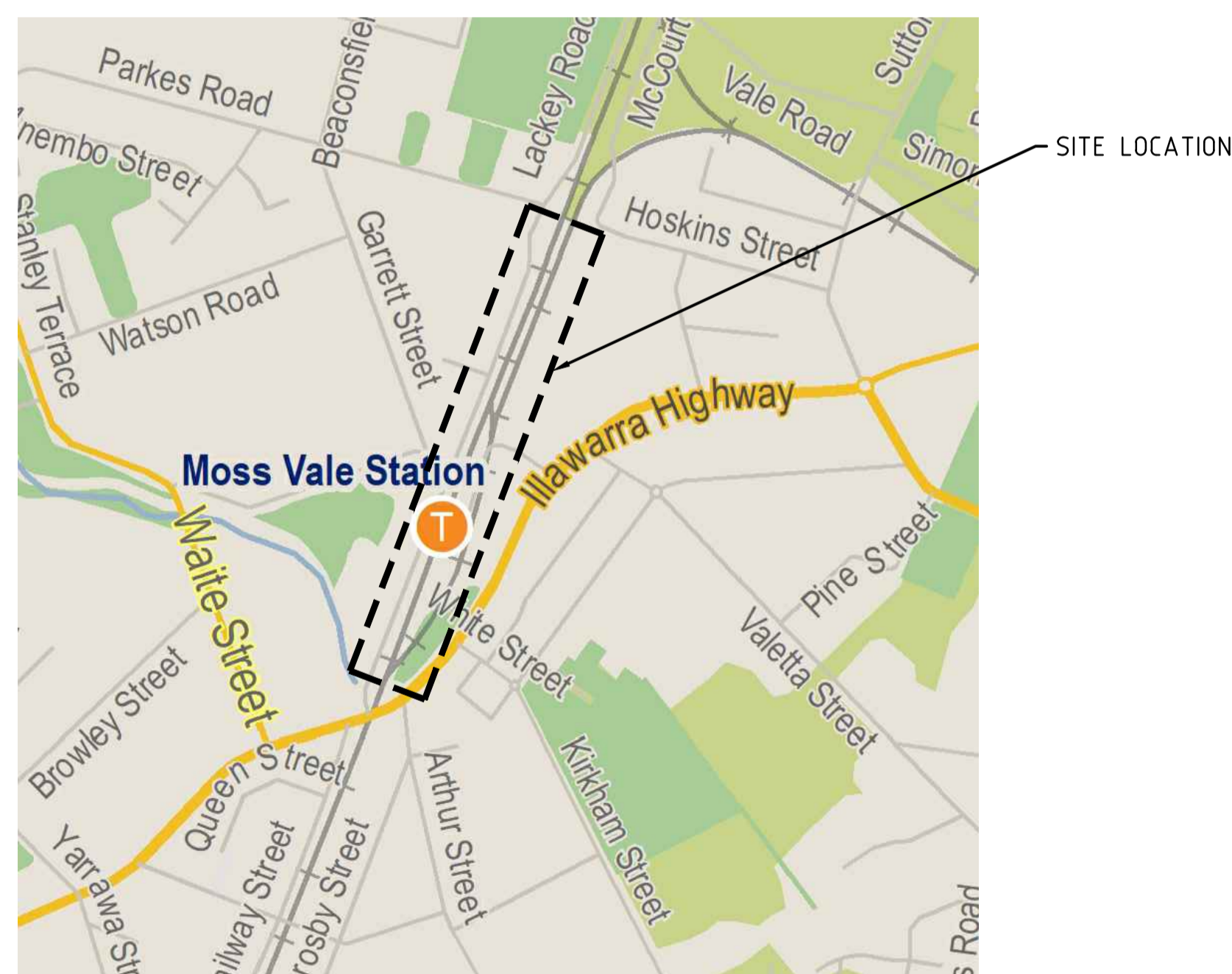


# TRANSPORT ACCESS PROGRAM 3 MOSS VALE YARD MAIN SOUTH LINE 145.180 km TO 145.860km COVERSHEET AND DRAWING INDEX



LOCALITY PLAN  
NTS

EDMS No.	DRAWING No.	TITLE
	TAP3150505-SMEC-MVL-SR-M2D-002500	SP2 & SP3 - COVER AND DRAWING INDEX
	TAP3150505-SMEC-MVL-SR-M2D-002501	SP2 & SP3 - GENERAL NOTES - SHEET 1
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	TAP3150505-SMEC-MVL-SR-M2D-002505	SP2 & SP3 - LEGEND
	TAP3150505-SMEC-MVL-SR-M2D-002520	SP2 - CSR LAYOUT PLAN - SHEET 1
	TAP3150505-SMEC-MVL-SR-M2D-002521	SP2 - CSR LAYOUT PLAN - SHEET 2
	TAP3150505-SMEC-MVL-SR-M2D-002522	SP2 - CSR LAYOUT PLAN - SHEET 3
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	TAP3150505-SMEC-MVL-SR-M2D-002525	SP3 - CSR LAYOUT PLAN
	TAP3150505-SMEC-MVL-SR-M2D-002550	SP2 & SP3 - TYPICAL DETAILS - SHEET 1
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	TAP3150505-SMEC-MVL-SR-M2D-002552	SP2 & SP3 - TYPICAL DETAILS - SHEET 3
	TAP3150505-SMEC-MVL-SR-M2D-002553	SP2 & SP3 - TYPICAL DETAILS - SHEET 4
	TAP3150505-SMEC-MVL-SR-M2D-002554	SP2 & SP3 - TYPICAL DETAILS - SHEET 5
	TAP3150505-SMEC-MVL-SR-M2D-002560	SP2 - LONG SECTIONS - SHEET 1
	TAP3150505-SMEC-MVL-SR-M2D-002561	SP2 - LONG SECTIONS - SHEET 2
	TAP3150505-SMEC-MVL-SR-M2D-002562	SP2 - LONG SECTIONS - SHEET 3
	TAP3150505-SMEC-MVL-SR-M2D-002563	SP2 - LONG SECTIONS - SHEET 4
	TAP3150505-SMEC-MVL-SR-M2D-002570	SP2 & SP3 - PIT SCHEDULE

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DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

Member of the Surbana Jurong Group  
SMEC CSR

<b>MOSS VALE YARD</b>			
MAIN SOUTH LINE 145.180km TO 145.860km			
TRANSPORT ACCESS PROGRAM 3			
SP2 & SP3 - COVER SHEET AND DRAWING INDEX			
FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002500	SHEET: 1 OF 1	A1
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EDMS No.		AMD No.	

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Plotted by: CEI7280

**GENERAL NOTES**

- GN1. CONTRACTOR TO DETERMINE FINAL CONDUIT ROUTE & EXACT CABLE PIT LOCATION. DETAILED INFORMATION HAS BEEN PROVIDED WHERE INTERACTION IS REQUIRED AS PART OF THE OVERALL DESIGN.
- GN2. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SERVICE ROUTE SPECIFICATIONS & DRAWINGS.
- GN3. THE CONTRACTOR SHALL OBTAIN ALL LEVELS FROM ESTABLISHED BENCHMARKS ONLY.
- GN4. PIT ALLOCATION CAN BE MORE EFFICIENTLY SPACED ON SITE WITH SITE ENGINEER'S & DESIGN ENGINEER'S PRIOR APPROVAL.
- GN5. ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (AHD).
- GN6. ALL CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA2020).
- GN7. CONTRACTOR TO LIAISE WITH SERVICE AUTHORITIES FOR WORKS THAT ARE BEING CARRIED OUT WITHIN THE VICINITY OF THEIR ASSETS.
- GN8. ALL EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE SURVEYED PROVIDED BY DEGNAN.
- GN9. EXISTING SERVICES TO BE LOCATED & PROTECTED & A 'DIAL BEFORE YOU DIG' ENQUIRY IS TO BE UNDERTAKEN BEFORE WORKS COMMENCE.
- GN10. CONTRACTOR TO ESTABLISH SERVICES AUTHORITY REQUIREMENTS FOR WORKS CLOSE TO THEIR ASSETS.
- GN11. NO DSS INFORMATION HAS BEEN PROVIDED FOR THE PROJECT AT THIS STAGE.
- GN12. THE CONTRACTOR MUST CHECK THAT CLEARANCES TO UTILITY SERVICES SPECIFIED ON THE DRAWINGS ARE ACHIEVED ON SITE.
- GN13. ALL EXCAVATIONS IN THE VICINITY OF KNOWN UTILITY SERVICES LOCATIONS OR IN LOCATIONS WHERE THE EXACT UTILITY SERVICE LOCATIONS HAVE NOT BEEN ESTABLISHED MUST BE CARRIED OUT SUCH THAT NO DAMAGE TO THE UTILITY SERVICES OCCURS.
- GN14. THE CONTRACTOR MUST MAKE ITSELF AWARE OF & COMPLY WITH ALL UTILITY SERVICE AUTHORITY REGULATIONS & STANDARDS IN RELATION TO THE USE OF MACHINERY & EQUIPMENT IN THE VICINITY OF UTILITY SERVICES.
- GN15. SERVICE ROUTE TO BE INSTALLED IN ACCORDANCE WITH:  
 "SPG 0705 CONSTRUCTION OF CABLE ROUTES & SIGNALLING CIVIL WORKS"  
 "SPM 0123 REINFORCED PRE-CAST CONCRETE CABLE PITS"  
 "ESB 004 STATION SERVICES AND SYSTEMS"  
 "T HR SS 80002 ST LOW VOLTAGE ELECTRICAL INSTALLATIONS"  
 "T HR EL 12004 ST LOW VOLTAGES DISTRIBUTION AND INSTALLATIONS EARTHING"  
 "T MU TE 01001 ST "CAMPUS BACKBONE TELECOMMUNICATION ROUTES AND CABLING"
- GN16. CONDUITS TO BE IMPERVIOUS TO WATER, SMOOTH ON THE INSIDE AND CHEMICALLY INERT.
- GN17. COMMUNICATION CONDUITS TO BE UPVC CLASS 12 PRESSURE WITH A NOMINAL WALL THICKNESS OF NOT LESS THAN 3.0mm FOR 50mm CONDUITS AND 6.0mm FOR 100mm CONDUITS.
- GN18. ALL UPVC CONDUITS TO BE HEAVY DUTY AND GLUED JOINTED IN ACCORDANCE WITH AS 2053 AND T HR TE 01001 ST  
 ORANGE - LV  
 WHITE - COMMUNICATIONS
- GN19. ALL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEW SOUTH WALES WORK HEALTH & SAFETY ACT 2011. CONTACT WORKCOVER FOR INFORMATION.
- GN20. PERMIT TO DIG MUST BE ISSUED PRIOR TO COMMENCEMENT OF WORKS. WORKS TO BE CARRIED OUT TO RELEVANT PERMIT ONLY.
- GN21. HANDLING OF ASBESTOS MATERIAL SHALL BE CARRIED OUT IN ACCORDANCE WITH THE WORKSAFE CODE OF PRACTICE FOR SAFE REMOVAL OF ASBESTOS 2nd EDITION [NOHSC:2002(2005)].
- GN22. CABLE ROUTE MARKERS SHALL BE INSTALLED FOR ALL BURIED CABLE ROUTES IN ACCORDANCE WITH SPG 0705, SECTION 6.19 (SIGS/COMMS). FOR LV AS PER AS3000 SECTION 3.11.4.

- GN23. ALL LID CLASSES SPECIFIED SHALL BE IN ACCORDANCE WITH AS 3996.
- GN24. INSTALLATION AND REMOVAL OF PIT LIDS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- GN25. WHERE CONTINUOUS ROCK IS ENCOUNTERED, DEPTH & CONSTRUCTION MAYBE ALTERED AS PER SPG 0705.
- GN26. IF THE PROPOSED CONDUIT ROUTE IS LOCATED UNDER THE CANOPY OF ANY TREES/VEGETATION, THE CONTRACTOR SHALL LIAISE WITH THE DESIGNER TO AGREE A SOLUTION.
- GN27. EXISTING FENCES AND STRUCTURES REMOVED/DISMANTLED TO BE RECTIFIED OR MADE GOOD TO SITE ENGINEER'S REQUIREMENTS.
- GN28. RESTORE ALL SURFACES TO MATCH PRE-EXISTING SURFACES U.N.O. GN32. CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- GN29. CSR HAS BEEN DESIGNED TO BE SUPPORTED ON THE PERMANENT EARTHWORKS. ANY PERMANENT EARTHWORKS SUPPORTING CSR COMPONENTS SUCH AS GST, GLT, TRENCHES AND PITS SHALL BE CONSTRUCTED PRIOR TO THE INSTALLATION OF CSR.
- GN30. BOLLARDS TO BE INSTALLED WHERE APPLICABLE SUCH AS NEAR NON-TRAFFICABLE PITS AND TRANSITION WHERE THE COMBINED SERVICES ROUTE MAY BE LIKELY TO BE DAMAGED BY VEHICULAR ACCESS. BOLLARD LOCATIONS PROTECTING COMMS / SIGS PITS AND THE GLT THAT INGRESS/EGRESS FROM THESE PITS ARE SHOWN INDICATIVELY, FINAL LOCATION OF BOLLARDS IS TO BE DECIDED ON SITE BY SITE ENGINEER. BOLLARDS TO BE INSTALLED ONCE ALL CABLES HAVE BEEN MOVED INTO THE CSR, TO AVOID CLASHES WITH EXISTING CSR /SIGNALLING CABLES.
- GN31. SEPARATION BETWEEN UNDERGROUND SERVICES SHALL BE AS SHOWN IN TABLE A.

TABLE A - SEPARATION BETWEEN SERVICES			
SERVICE	COMMS	LV	WATER/SEWER AND OTHER SERVICES
COMMS	50x	100	300
LV	100	50x	300

x FOR INSTALLATION PURPOSES  
 - ALL DISTANCES SHOWN ARE IN mm

- GN32. SEPARATION BETWEEN ABOVE GROUND SERVICES (CROSSING THE BRIDGE) IS TO BE 50mm.
- GN33. PRIOR TO EXCAVATION WORKS THE CONTRACTOR IS TO MAKE AN ASSESSMENT OF THE PROXIMITY OF ANY EXCAVATIONS BESIDE EXISTING OHWS FOOTINGS AND THE NEED FOR TEMPORARY PROPPING DURING THE WORKS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT OHWS AND FOOTINGS DO NOT BECOME OVERSTRESSED AND UNSTABLE DURING THE WORKS, APPLYING TEMPORARY PROPPING IN LINE WITH DRG-DW-TW025-001-01.
- GN34. DRAWINGS SHOULD BE READ IN CONJUNCTION WITH SYDNEY TRAINS HERITAGE TECHNICAL NOTE INSTALLATION OF NEW ELECTRICAL AND DATA SERVICES AT HERITAGE SITES AND UNEXPECTED ARCHAEOLOGICAL FINDS PROCEDURE.

**PIT NOTES**

- PT1. PITS AND COVERS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SPM0123 AND SPG0705.
- PT2. PIT DRAWING ARE NOT INTENDED TO SPECIFY WALL THICKNESS OR REINFORCING DETAILS, THEY ONLY SHOW THE MINIMUM INTERNAL DIMENSIONS. SUPPLIERS ARE TO SUBMIT FULLY DETAILED PIT DESIGNS FOR CONSIDERATION BY OPERATOR/MAINTAINER.
- PT3. THE INTERNAL SIZE OF ALL PITS SHALL PROVIDE FOR THE MINIMUM BEND RADIUS OF THE LARGEST CABLE TO BE INSTALLED, BUT NOT BE SMALLER THAN SPECIFIED IN SPG 0705 AND SPM 0123.
- PT4. THE DRAIN HOLE SIZE SHALL BE SPECIFIED IN SUPPLIERS DESIGN BUT SHALL BE NOT LESS THAN Ø100mm AND SHALL BE MOUNTED IN THE CENTRE OF THE PIT FLOOR.
- PT5. PITS TO BE INSTALLED IN ACCORDANCE WITH SPG 0705 AND TO MANUFACTURERS INSTRUCTIONS.

- PT6. PITS AND CABLES TURNING CHAMBER IN EXCESS OF 750 HEIGHT SHALL HAVE STEP IRONS IN ACCORDANCE WITH SPG 0705.
- PT7. DRAINAGE TO BE PROVIDED IN PITS IN ACCORDANCE WITH SPG 0705. WHERE POSSIBLE, INSTALL DRAINAGE PIPES TO NEAREST APPROVED RAILWAY DRAIN OR PUBLIC STORMWATER DRAINAGE SYSTEM. WHERE NO SUITABLE DRAINAGE EXISTS. A GRAVEL DRAINAGE SUMP OR PIPE TO THE SIDE OF THE EMBANKMENT TO BE INSTALLED.
- PT8. THE TOP OF EACH PIT OR CABLE TURNING CHAMBER SHALL BE 100-200mm ABOVE SURROUNDING GROUND LEVEL EXCEPT ON PLATFORMS, PAVED AREAS, PATHWAYS OR ROADWAYS, WHERE TOP OF LIDS SHALL BE FLUSH WITH THE SURROUNDING GROUND LEVEL. THE PIT SHALL BE LOAD RATED TO THE VEHICULAR OR PEDESTRIAN LOAD APPLIED TO THE LOCATION AND GATIC COVERS OR EQUIVALENT SHALL BE USED.
- PT9. UNISTRUT CHANNEL TO BE USED AS REQUIRED TO PROVIDE CABLE SUPPORT IF NECESSARY, FIXING TO UNISTRUT SPECIFICATION.
- PT10. CONDUITS TO BE ENCASED IN MASS CONCRETE WITH 300mm COVER FOR 300mm FROM THE PIT FACE TO SECURE THE CONDUITS.
- PT11. PIT TO BE ORIENTATED SUCH THAT THE SIDE OF THE PIT WITH THE STEP IRON IS FACING THE DIRECTION OF ONCOMING TRAIN TRAFFIC FROM THE CLOSEST TRACK ORIENTATION TBC ONSITE FOR EACH AND EVERY PIT LOCATION.
- PT12. CONDUIT PENETRATIONS INTO CONCRETE PITS SHALL BE SEALED WITH GROUT AND FINISHED SMOOTH. CONDUITS SHALL BE ENCASED IN CONCRETE FOR 300mm ON THE OUTSIDE OF PITS.

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 DESIGN CHECK: DAWIT SEYOUM 21.08.2023  
 APPROVED: BEN MORRIS 21.08.2023

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**MOSS VALE YARD**  
 MAIN SOUTH LINE 145.180km TO 145.860km  
 TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - GENERAL NOTES - SHEET 1			
FILE No. TAP3150505-SMEC-MVL-SR-DRG-002501 1	SHEET: 1 OF 1	A1	
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**TRENCH NOTES**

- TR1. FOR TRENCH LOCATIONS, REFER TO DETAILED SITE LAYOUT SHEETS.
- TR2. CLEAR COVER FROM EDGE OF TRENCH TO CONDUITS TO BE 150 MIN. TYP. ALL CONDUITS TO BE SEPARATED BY A 50 NOM. GAP U.N.O.
- TR3. PIPES AND CABLES TO BE ENCASED IN CLEAN FILL SAND OR SAND/CEMENT MIX (AS SPECIFIED) TO 100 ABOVE THE UPPERMOST PIPE OR CABLE.
- TR4. ALL CONDUITS TO BE LAID IN ACCORDANCE WITH AMB STANDARD SPG 0705.
- TR5. THE SMALLEST RADIUS BEND IN THE CSR SHALL NOT BE LESS THAN THE MANUFACTURER'S RECOMMENDED MINIMUM RADIUS FOR THE LARGEST CABLE TO BE INSTALLED IN THAT ROUTE.
- TR6. CONDUIT SEPARATION TO BE MAINTAINED, SPACERS OR SIMILAR APPROVED TO BE USED. INSTALLATION SHALL BE AS PER T HR TE 01001 ST. (NO HORIZONTAL SPACERS BETWEEN CONDUIT LAYERS ARE TO BE USED).
- TR7. SHORING AND OTHER TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- TR8. DURING CONSTRUCTION, ALL TRENCHES TO BE SUPPORTED TO SUIT ENCOUNTERED CONDITIONS AND CONSTRUCTION METHODOLOGY.
- TR9. WHENEVER EXCAVATION OF THE TRACK FORMATION OCCURS THE FORMATION SHALL BE RESTORED WITH COMPACTED STABILISED SAND AND THE CAPPING LAYER WITH COMPACTED MATERIAL TO CONFORM TO T HR CI 12111 SP AND SPG 0705.
- TR10. ORANGE WARNING TAPE TO BE PLACED AT 300mm BELOW GROUND LEVEL FOR LOW VOLTAGE AND COMMUNICATION CABLES. TAPE SHALL COVER 50% OF THE TRENCH WIDTH. IN ACCORDANCE WITH "SPG 0705 CONSTRUCTION OF CABLE ROUTES & SIGNALLING CIVIL WORKS".
- TR11. REFER TO SPECIFICATION SPG 0705 CONSTRUCTION OF CABLE ROUTES & SIGNALLING CIVIL WORKS FOR BACKFILLING DETAILS.
- TR12. BACKFILL TO BE COMPATIBLE MATERIAL FREE OF ROCKS THAT WILL NOT PASS THROUGH A 50mm SIEVE AND BE FREE OF BROKEN CONCRETE, BRICK, RUBBLE, WOOD, GLASS, RUBBISH, STEEL OR OTHER METAL OBJECTS THAT COULD DAMAGE CONDUITS OR AFFECT THE OPERATION OF ELECTRONIC CABLE LOCATORS, IN ACCORDANCE WITH SPG 0705.
- TR13. DURING COMPACTION THE FIRST 150mm OF FILL OVER CONDUITS OR COVER STRIPS SHALL BE CAREFULLY COMPACTED TO ENSURE THAT THE CONDUITS ARE NOT DISTURBED.
- TR14. ALL TRENCHES SHALL BE COMPACTED BY MECHANICAL MEANS TO ACHIEVE 95% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289. BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS OF 150mm MAXIMUM THICKNESS TO ACHIEVE THE SPECIFIC DENSITY.
- TR15. TRENCHES AND OTHER EXCAVATIONS SHOULD NOT BE BACKFILLED UNTIL INSPECTED AS PER INSPECTION TEST PLAN.
- TR16. WHERE TRENCH IS LOCATED IN PLATFORMS, ACCESS ROADS OR PATHWAYS, PAVEMENT SHALL BE REINSTATED AS PER EXISTING.
- TR17. THE SELECTED CABLE ROUTE SHALL BE CLEARED AND LEVELLED ONLY TO THE EXTENT NECESSARY TO PERMIT TRENCHING AND ACCESS FOR PLANT. CARE TO BE TAKEN TO ENSURE WORK DOES NOT BLOCK NATURAL DRAINS OR CREATE UNDRAINED AREAS. EXCAVATIONS SHALL BE TO THE MINIMUM WIDTH AND DEPTH NECESSARY TO BEST CARRY OUT THE WORK. THE BOTTOM OF THE TRENCH SHALL BE LEVEL AND EVEN AND FREE FROM ROCKS AND SHARP OBJECTS.
- TR18. SPOIL SHALL NOT BE PLACED ON BALLAST OR FOUL OF TRACK GAUGE OR ACCESS WAYS. IT SHALL NOT BE PLACED IN A POSITION WHERE IT COULD OBSTRUCT TRACK DRAINAGE OR BE WASHED INTO TRACK DRAINS OR ONTO THE BALLAST.
- TR19. SUITABLE BARRIERS SHALL BE ERECTED AROUND EXCAVATIONS, OR COVERS PLACED ACROSS EXCAVATIONS WHEN WORK IS NOT TAKING PLACE.
- TR20. TOPSOIL AND SUBSOIL SHOULD BE STOCKPILED SEPARATELY.
- TR21. EXCAVATION TO BE CONSTRUCTED USING A 'CUT AND COVER' METHOD. TEMPORARY UNSUPPORTED BATTERS SHALL SUIT GROUND CONDITIONS AND NOT BE STEEPER THAN 1.5H:1V. ALTERNATIVELY AN ADEQUATELY ENGINEERED SHORING SYSTEM MAY BE USED. WHEN EXCAVATING IN THE VICINITY OF EXISTING STRUCTURES, SUFFICIENT CONSTRUCTION METHODS SHALL BE USED TO ENSURE STABILITY OF THE STRUCTURE AT ALL TIMES.
- TR22. ALL CONCRETE ENCASEMENT OF CONDUITS WILL HAVE A MINIMUM STRENGTH OF 20MPa AS PER SPG 0705.

TR23. THE USE OF MECHANICAL DIGGING OR BORING MACHINES FOR EXCAVATION WITHIN 2m OF HIGH VOLTAGE CABLES OR WITHIN 1m OF OTHER EXISTING UNDERGROUND SERVICES IS NOT PERMITTED. EXCAVATIONS WITHIN THESE AREAS SHALL BE DONE USING HAND TOOLS. RAILCORP DSS AND GUIDELINES SHOULD ALSO BE UTILISED.

TR24. EXISTING SERVICES HAVE BEEN SUPPLIED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORKS.

**CABLE TRAY AND RISER NOTES**

- CT1. CABLE TRAY AND RISER ARRANGEMENTS SHALL BE IN ACCORDANCE WITH ALL ASA STANDARDS PER DISCIPLINE.
- CT2. WHERE APPLICABLE STANDARDS DIFFER, THE MOST ONEROUS STANDARD SHALL APPLY.
- CT3. CABLE TRAY AND RISER ARRANGEMENTS SHALL BE HOT DIPPED GALVANISED STEEL.
- CT4. CABLE GUARD AND SHROUD ARRANGEMENT SHALL BE A MINIMUM HEIGHT OF 2.6 METRES AND VANDAL PROOF.

**ULX NOTES**

- UL1. TRACK FORMATION TO BE RESTORED TO THE UNDERSIDE OF CAPPING LEVEL WITH STABILISED SAND, 10:1 SAND TO CEMENT RATIO.
- UL2. REINSTATE MIN. 150mm THICK CAPPING LAYER MATCHING EXISTING CAPPING LEVELS AND FALLS IN ACCORDANCE WITH ASA SPECIFICATION T HR CI 12111 SP AND T HR CI 12110 ST.
- UL3. UNLESS NOTED OTHERWISE, ULX CABLE ROUTE SHALL BE INSTALLED AT MINIMUM 1600mm BELOW RAIL LEVEL OR MINIMUM 800mm BELOW GROUND LEVEL (WHICHEVER IS GREATER) IN ACCORDANCE WITH SPG 0705 11.2. IF MINIMUM DEPTH IS NOT ACHIEVED, ADVISE ENGINEER, AMB CONCESSION APPLICATION IS REQUIRED.

**SUSTAINABILITY**

- SU1. ALL PAINTS, FINISHES, SEALANTS, AND ADHESIVES USED MUST BE LOW VOLATILE ORGANIC COMPOUNDS (VOC) AS DEFINED IN THE GREEN STAR DESIGN AND AS BUILT RATING TOOL.
- SU2. ALL CONCRETE MUST BE SOURCED FROM MEMBERS OF CEMENT CONCRETE & AGGREGATES AUSTRALIA OR SIMILAR ASSOCIATION OR ORGANISATION AGREED WITH TFNSW.
- SU3. ALL STEEL MUST BE SOURCED FROM SUPPLIERS THAT ARE CERTIFIED UNDER THE AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING AND STRUCTURAL STEELS OR AN ORGANISATION AGREED WITH THE TFNSW.
- SU4. FOLLOW THE WASTE HIERARCHY TO AVOID, REDUCE, REUSE AND RECYCLE WASTE.
  - a. 94% OF NON HAZARDOUS SOLID WASTE GENERATED DURING DEMOLITION AND CONSTRUCTION MUST BE DIVERTED FROM LANDFILL.
  - b. 100% CLEAN CONCRETE MUST BE BENEFICIALLY REUSED.
- SU5. USE POLYVINYL CHLORIDE (PVC) THAT IS COMPLIANT WITH THE GREEN BUILDING COUNCIL OF AUSTRALIA (GBCA) BEST PRACTICE GUIDELINES PVC IN THE BUILT ENVIRONMENT.

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 APPROVED \_\_\_\_\_ BEN MORRIS \_\_\_\_\_ 21.08.2023

**MOSS VALE YARD**  
 MAIN SOUTH LINE 145.180km TO 145.860km  
 TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - GENERAL NOTES - SHEET 2

FILE No. TAP3150505-SMEC-MVL-SR-DRG-002502 1	SHEET: 1 OF 1	A1
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**LEGEND:**

	PROPOSED SEWER
	PROPOSED SEWER RISING MAIN
	PROPOSED SEWER VENT
	PROPOSED WATER MAIN
	PROPOSED GAS MAIN
	PROPOSED COMMUNICATIONS CONDUIT
	PROPOSED LV CONDUIT
	PROPOSED COMBINED LV AND COMMUNICATIONS ROUTE
	PROPOSED COMBINED LV, COMMUNICATIONS AND WATER ROUTE
	PROPOSED COMBINED LV AND WATER ROUTE
	PROPOSED COMBINED WATER AND SEWER ROUTE
	PROPOSED PIT
	PROPOSED PIT COMMUNICATION
	PROPOSED SEWER PUMP OUT PIT
	PROPOSED WATER METER ASSEMBLY
	PROPOSED HOSE HYDRANT
	PROPOSED RETRACTABLE HOSE REEL
	PROPOSED PIPE RISE
	PROPOSED MARSHALLING CABINET
	PROPOSED CCTV CAMERA ON DEDICATED CAMERA POE
	PROPOSED SHORE SUPPLY CABINET
	PROPOSED SHORE SUPPLY CABINET - TRAIN OUTLET
	PROPOSED LIGHTING
	PROPOSED DRAINAGE PIPE
	PROPOSED DRAINAGE PIT
	ISOLATION VALVE IN PATH BOX
	REMOVED/DEMOLISHED
	EXISTING WATER LINE

**EXISTING UTILITIES SURVEY**

**COMMUNICATION**

	OTHER OPTICAL FIBRE LINE QLA
	OTHER OPTICAL FIBRE LINE QLB
	OTHER OPTICAL FIBRE LINE QLC
	NBN LINE QLA
	NBN LINE QLB
	OPTICAL FIBRE ABOVE GROUND
	OPTICAL FIBRE UNDERGROUND QLA
	OPTICAL FIBRE UNDERGROUND QLB
	OPTICAL FIBRE UNDERGROUND QLC
	OPTICAL FIBRE UNDERGROUND QLD
	TELEPHONE LINE QLA
	TELEPHONE LINE QLB
	TELEPHONE LINE QLC
	TELEPHONE HOUSE CONNECTION QLA
	TELEPHONE HOUSE CONNECTION QLB
	TELEPHONE HOUSE CONNECTION QLC
	TELEPHONE HOUSE CONNECTION QLD
	OPTICAL FIBRE CABLE MARKER
	OPTICAL FIBRE PIT
	STD MAIN PIT
	TELEPHONE BOX POINT
	TELEPHONE CABLE MARKER
	TELEPHONE DISTRIBUTION PILLAR
	TELEPHONE POLE
	TELEPHONE SINGLE CONCRETE PIT
	TELEPHONE TWIN CONCRETE PIT

**RAIL**

	COMBINED SERVICE ROUTE QLA
	COMBINED SERVICE ROUTE QLB
	COMBINED SERVICE ROUTE QLC
	RAILWAY CONTROL BOX
	RAILWAY SIGNAL
	RAILWAY SIGNAL TROUGH POINT

**GAS**

	HOUSE CONNECTION QLB
	HOUSE CONNECTION QLD
	HIGH PRESSURE PIPELINE QLB
	HIGH PRESSURE PIPELINE QLC
	LOW PRESSURE QLA
	LOW PRESSURE QLC
	LOW PRESSURE QLD
	MANHOLE COVER
	METER
	PIPELINE MARKER HIGH PRESSURE
	TEST POINT

**ELECTRICAL**

	HV UNDERGROUND QLA
	HV UNDERGROUND QLB
	HV UNDERGROUND QLC
	UNDERGROUND QLA
	UNDERGROUND QLB
	UNDERGROUND QLC
	UNDERGROUND QLD
	CABLE JUNCTION BOX
	CABLE MANHOLE
	DISTRIBUTION FUSE POINT
	GARDEN LIGHT
	POLE LIGHT
	POLE POWER
	POLE POWER AND LIGHT
	TRANSFORMER CABINET POINT
	SHORE SUPPLY CABINET
	COMMUNICATION PIT

**DRAINAGE**

	DRAIN DISH
	DIGITISED
	PIPE 150mm
	PIPE 225mm
	PIPE 300mm
	PIPE 375mm
	PIPE 450mm
	PIPE 525mm
	PIPE 600mm
	PIPE UNSPECIFIED DIA
	DRAINAGE JUNCTION MANHOLE POINT
	INVERT OF PIPE
	PIT

**WATER**

	MAIN QLB
	MAIN QLC
	MAIN QLD
	HOUSE CONNECTION QLA
	HOUSE CONNECTION QLB
	HOUSE CONNECTION QLC
	HOUSE CONNECTION QLD
	FIRE HYDRANT
	HYDRANT
	METER
	RECYCLED WATER STOP VALVE
	STOP VALVE
	TAP

**SEWER**

	MAIN QLC
	MAIN
	HOUSE CONNECTION
	LAMP HOLE
	MANHOLE COVER

**MISCELLANEOUS**

	CADASTRAL BOUNDARY
	TOPO TOP OF CUTTING
	TOPO NATURAL SURFACE STRING
	BORE HOLE
	GATIC COVER LID
	TEST PIT
	SIGN POST

**UNIDENTIFIED**

	SERVICE QLA
	SERVICE QLB
	SERVICE QLC
	SERVICE

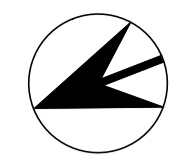
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DRAWN: JOVER MOISES 21.08.2023 DESIGNED: ASH ENKESHAFI 21.08.2023 DRG CHECK: GRACE TAI 21.08.2023 DESIGN CHECK: DAWIT SEYOUM 21.08.2023 APPROVED: BEN MORRIS 21.08.2023			A/E/21.08.23 D.S/21.08.23 B.M/21.08.23			MOSS VALE YARD MAIN SOUTH LINE 145.180km TO 145.860km TRANSPORT ACCESS PROGRAM 3			SP2 & SP3 - LEGEND FILE No. TAP3150505-SMEC-MVL-SR-DRG-002505 1 SHEET: 1 OF 1 A1 STATUS: PRELIMINARY DESIGN REVIEW DRG No. TAP3150505-SMEC-MVL-SR-DRG-002505 REV A VER 0 EDMS No. AMD No.		
CO-ORDINATE SYSTEM: MGA2020		HEIGHT DATUM: A.H.D		SCALE: NTS							

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 Plotted by: JMT1769  
 DF 801\*554

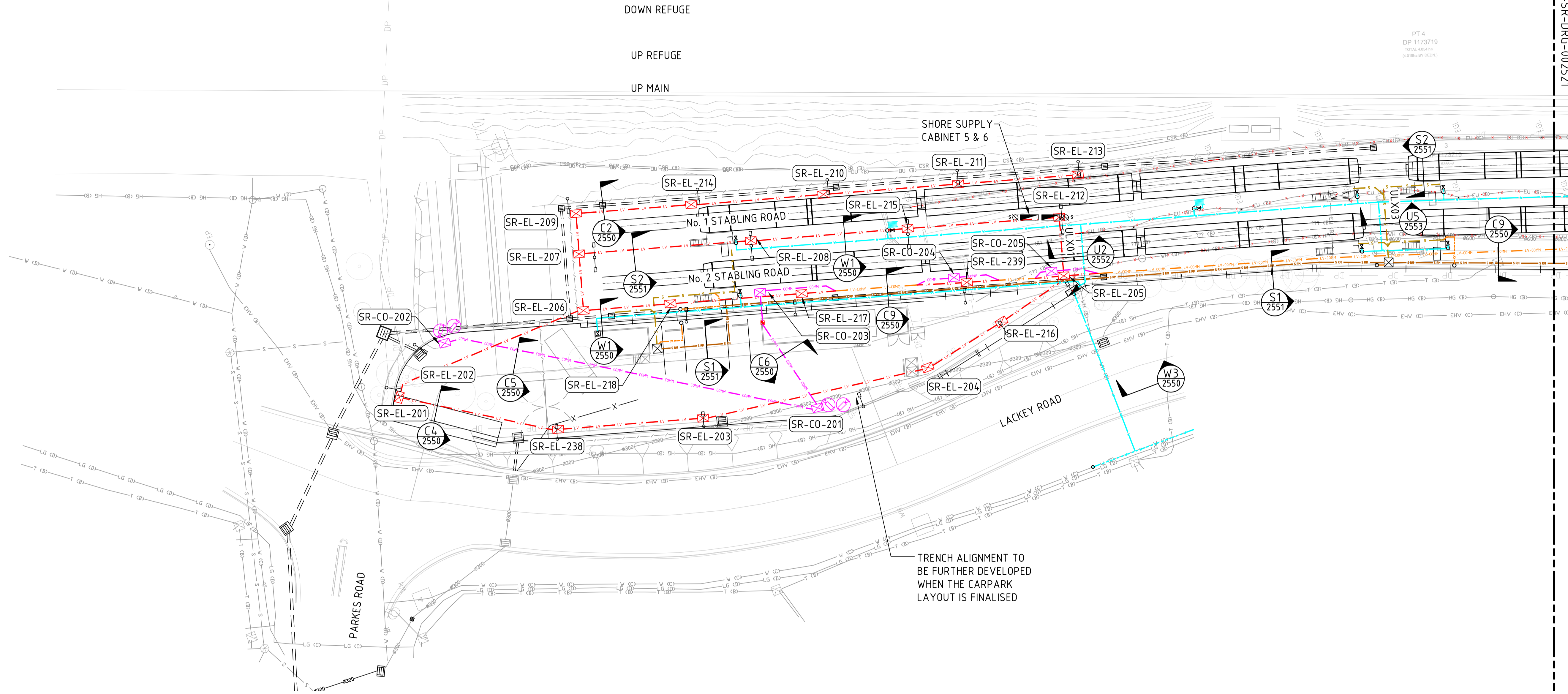


TO SYDNEY

MOSS VALE DOWN YARD

TO GOULBURN

TAP3150505-SMEC-MVL-SR-DRG-002521



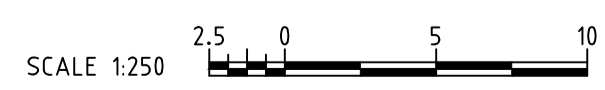
CSR LAYOUT PLAN  
SCALE 1 : 250

NOTES:

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002500 FOR DRAWING INDEX.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002505 FOR LEGEND.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002550 TO TAP3150505-SMEC-MVL-SR-DRG-002554 FOR TYPICAL DETAILS.
- FOR FURTHER DETAILS ON PROPOSED ELECTRICAL FEATURES, REFER TO DRAWING TAP3150505-SMEC-MVL-EL-DRG-002400 FOR ELECTRICAL PACKAGE.
- FOR FURTHER DETAILS ON PROPOSED COMMUNICATIONS FEATURES, REFER TO COMMUNICATIONS PACKAGE.
- FOR FURTHER DETAILS ON PROPOSED STRUCTURES FEATURES, REFER TO STRUCTURES PACKAGE.
- FOR FURTHER DETAILS ON PROPOSED DRAINAGE, REFER TO DRAWING TAP3150505-SMEC-MVL-DR-DRG-00220 FOR DRAINAGE PACKAGE.

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020      HEIGHT DATUM: A.H.D      SCALE AS SHOWN



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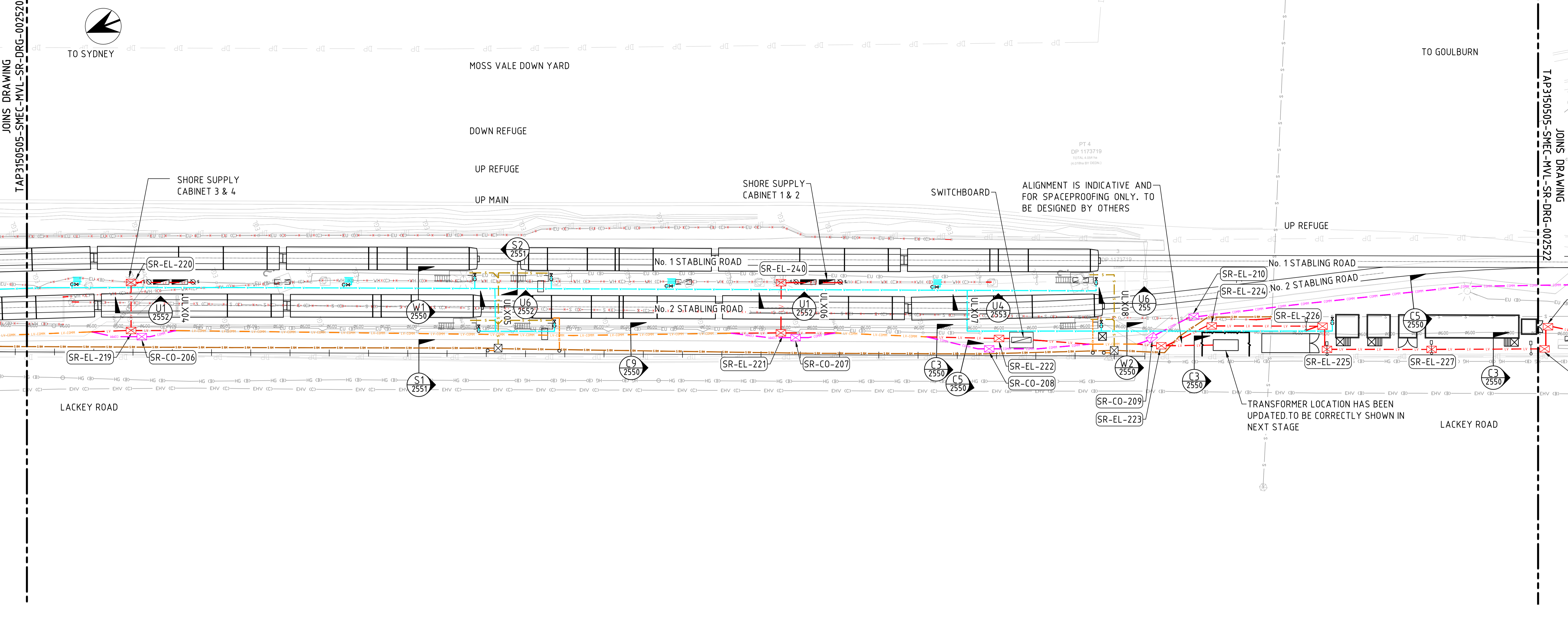
**SMEC**  
Member of the Surbana Jurong Group

SMEC CSR

DRAWN: JOVER MOISES 21.08.2023  
 DESIGNED: ASH ENKESHAFI 21.08.2023  
 DRG CHECK: GRACE TAI 21.08.2023  
 DESIGN CHECK: DAWIT SEYOUM 21.08.2023  
 APPROVED: BEN MORRIS 21.08.2023

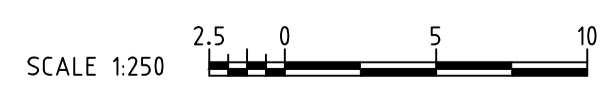
<b>MOSS VALE YARD</b>			
MAIN SOUTH LINE 145.180km TO 145.860km			
TRANSPORT ACCESS PROGRAM 3			
SP2 - CSR LAYOUT PLAN - SHEET 1			
FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002520 1	SHEET: 1	OF 4
STATUS: PRELIMINARY DESIGN REVIEW			
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002520	REV	A
VER	0	EDMS No.	
AMD No.			

JOINS DRAWING  
 TAP3150505-SMEC-MVL-SR-DRG-002521  
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 Plotted by: JMT1769  
 DF 801554



CSR LAYOUT PLAN  
SCALE 1 : 250

- NOTES:**
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002500 FOR DRAWING INDEX.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002505 FOR LEGEND.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002550 TO TAP3150505-SMEC-MVL-SR-DRG-002554 FOR TYPICAL DETAILS.
  - FOR FURTHER DETAILS ON PROPOSED ELECTRICAL FEATURES, REFER TO DRAWING TAP3150505-SMEC-MVL-EL-DRG-002400 FOR ELECTRICAL PACKAGE.
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DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

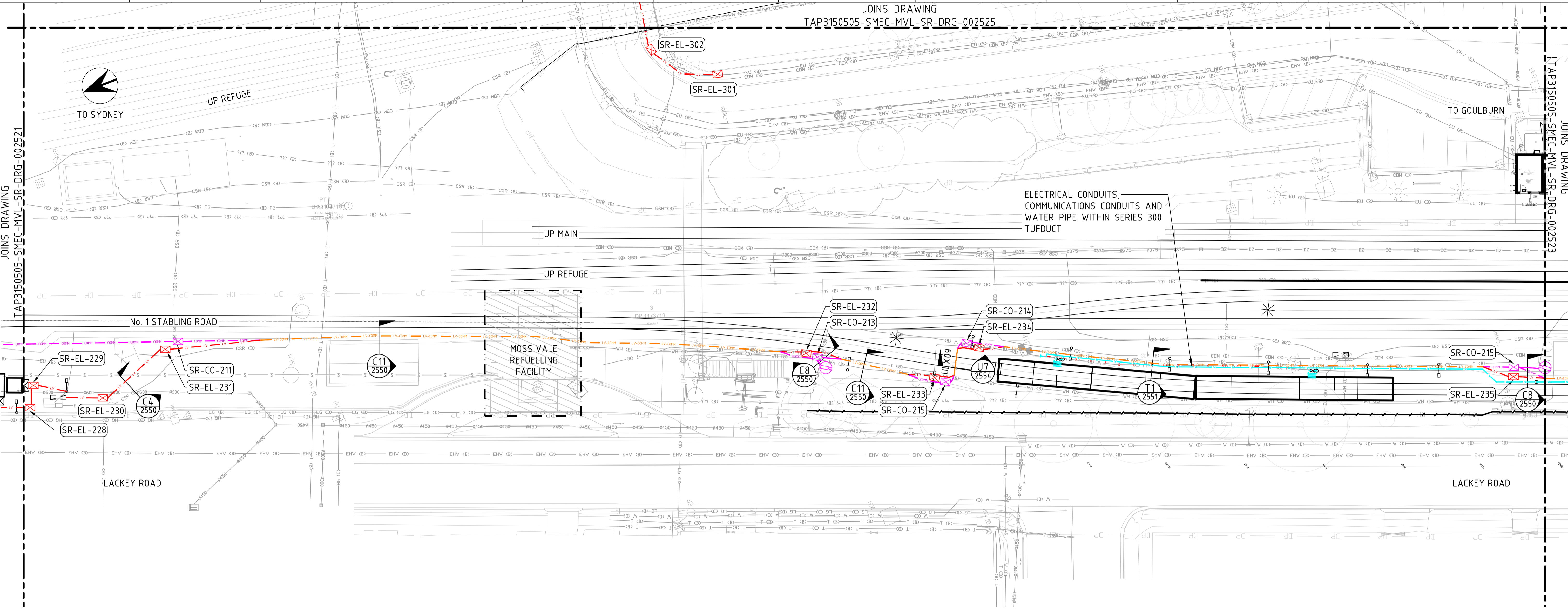
SMEC CSR  
Member of the Surlana Jurong Group

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - CSR LAYOUT PLAN - SHEET 2

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002521	1	SHEET:	2	OF 4	A1
STATUS:	PRELIMINARY DESIGN REVIEW					
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002521					
REV	A	VER	0	EDMS No.		AMD No.

JOINS DRAWING TAP3150505-SMEC-MVL-SR-DRG-002522  
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 Plotted by: M17609



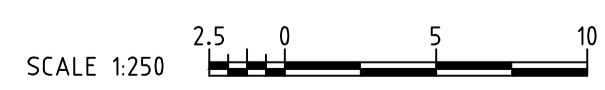
CSR LAYOUT PLAN  
SCALE 1 : 250

NOTES:

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002500 FOR DRAWING INDEX.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002505 FOR LEGEND.
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002550 TO TAP3150505-SMEC-MVL-SR-DRG-002554 FOR TYPICAL DETAILS.
- FOR FURTHER DETAILS ON PROPOSED ELECTRICAL FEATURES, REFER TO DRAWING TAP3150505-SMEC-MVL-EL-DRG-002400 FOR ELECTRICAL PACKAGE.
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CO-ORDINATE SYSTEM: MGA2020    HEIGHT DATUM: A.H.D    SCALE(S) SHOWN



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DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

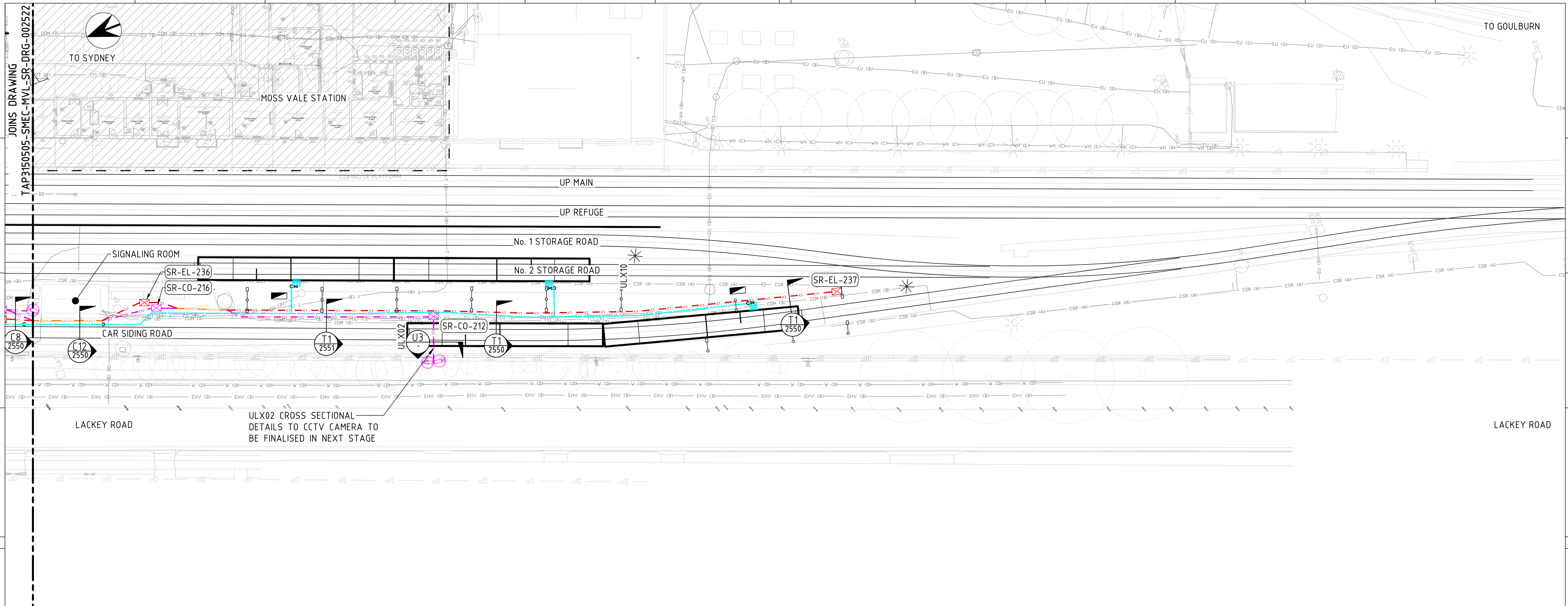
SMEC CSR  
Member of the Surbana Jurong Group

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - CSR LAYOUT PLAN - SHEET 3

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002522_1	SHEET:	3	OF	4	A1
STATUS:	PRELIMINARY DESIGN REVIEW					
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002522	REV	A	VER	0	EDMS No.
						AMD No.

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 Plotted by: M17609

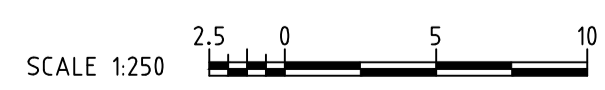


CSR LAYOUT PLAN  
SCALE 1 : 250

- NOTES:**
- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002500 FOR DRAWING INDEX.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002505 FOR LEGEND.
  - REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002550 TO TAP3150505-SMEC-MVL-SR-DRG-002554 FOR TYPICAL DETAILS.
  - FOR FURTHER DETAILS ON PROPOSED ELECTRICAL FEATURES, REFER TO DRAWING TAP3150505-SMEC-MVL-EL-DRG-002400 FOR ELECTRICAL PACKAGE.
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CO-ORDINATE SYSTEM: MGA2020      HEIGHT DATUM: A.H.D      SCALES SHOWN



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DESIGN CHECK	DAWIT SEYOUUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

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Member of the Surbana Jurong Group

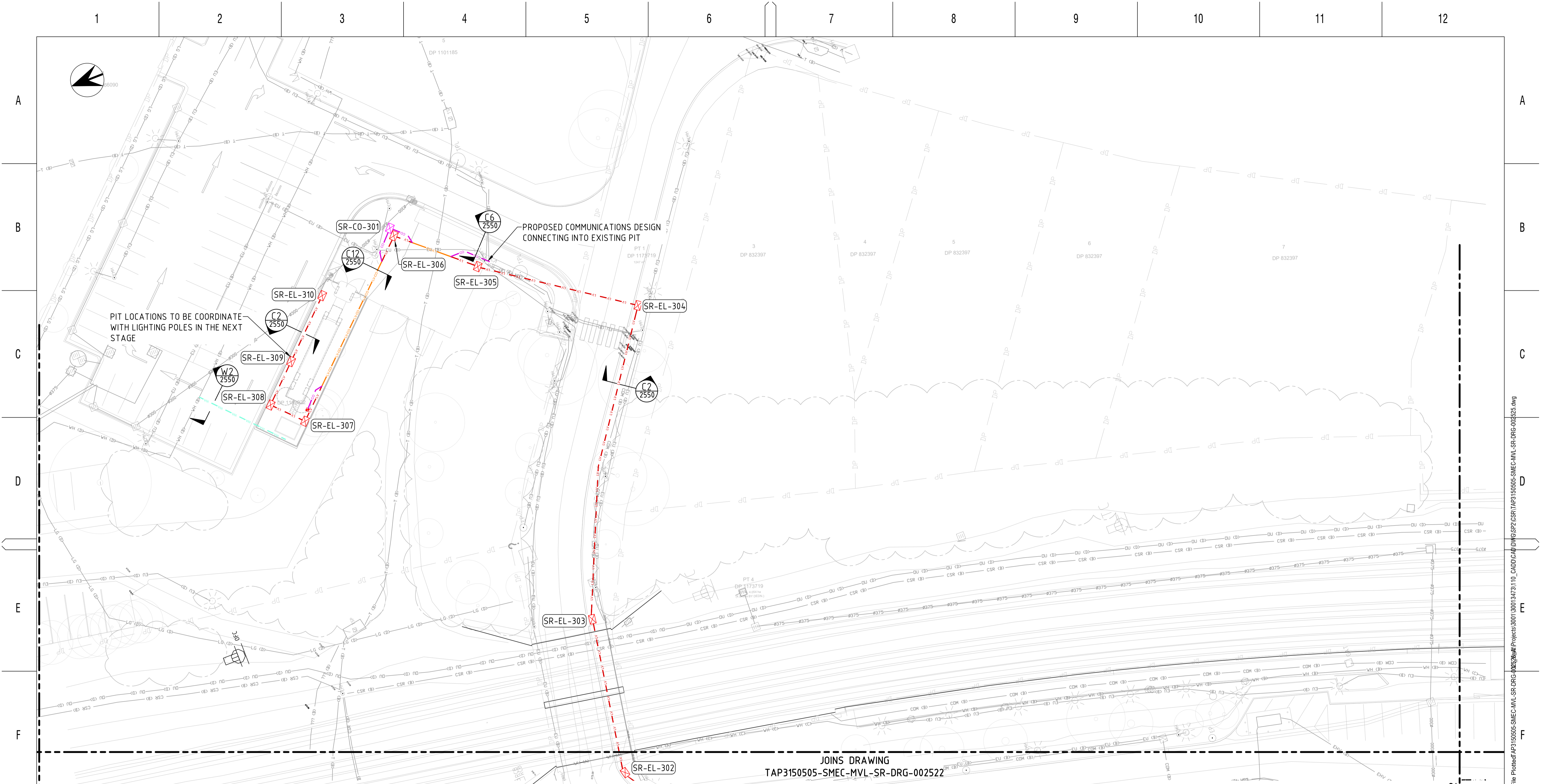
**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - CSR LAYOUT PLAN - SHEET 4

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002523 1	SHEET: 4 OF 4	A1
STATUS:	PRELIMINARY DESIGN REVIEW		
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002523	REV A	VER 0
EDMS No.			AMD No.

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 Plot Date & Time: 18/08/2023 4:40 PM  
 Plotted by: JMT7609





JOINS DRAWING  
TAP3150505-SMEC-MVL-SR-DRG-002522

CSR LAYOUT PLAN  
SCALE 1 : 250

- NOTES:**
1. REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002500 FOR DRAWING INDEX.
  2. REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
  3. REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002505 FOR LEGEND.
  4. REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002550 TO TAP3150505-SMEC-MVL-SR-DRG-002554 FOR TYPICAL DETAILS.
  5. FOR FURTHER DETAILS ON PROPOSED ELECTRICAL FEATURES, REFER TO DRAWING TAP3150505-SMEC-MVL-EL-DRG-002400 FOR ELECTRICAL PACKAGE.
  6. FOR FURTHER DETAILS ON PROPOSED COMMUNICATIONS FEATURES, REFER TO COMMUNICATIONS PACKAGE.
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SCALE 1:250

REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020      HEIGHT DATUM: A.H.D      SCALE AS SHOWN



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DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

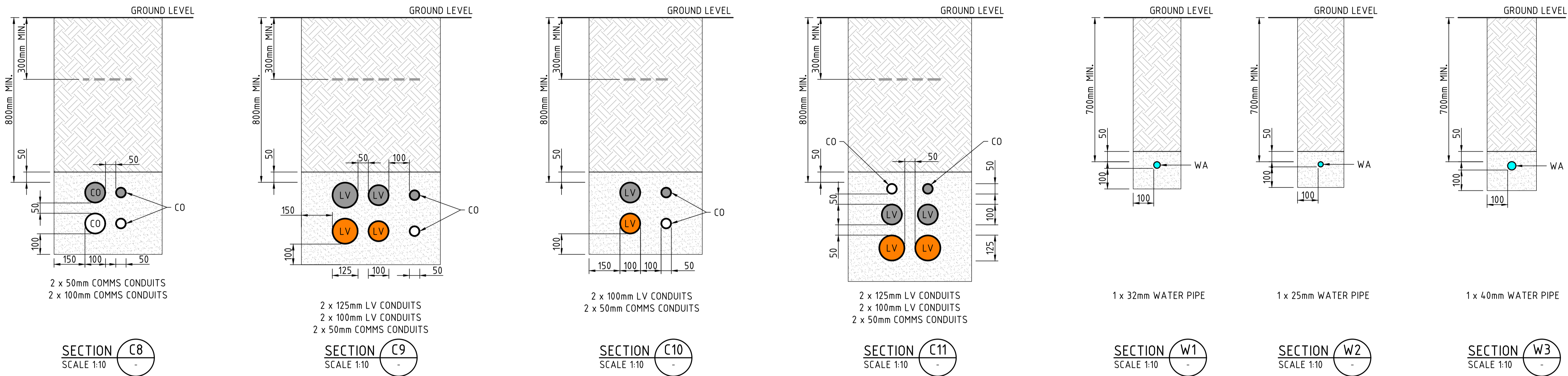
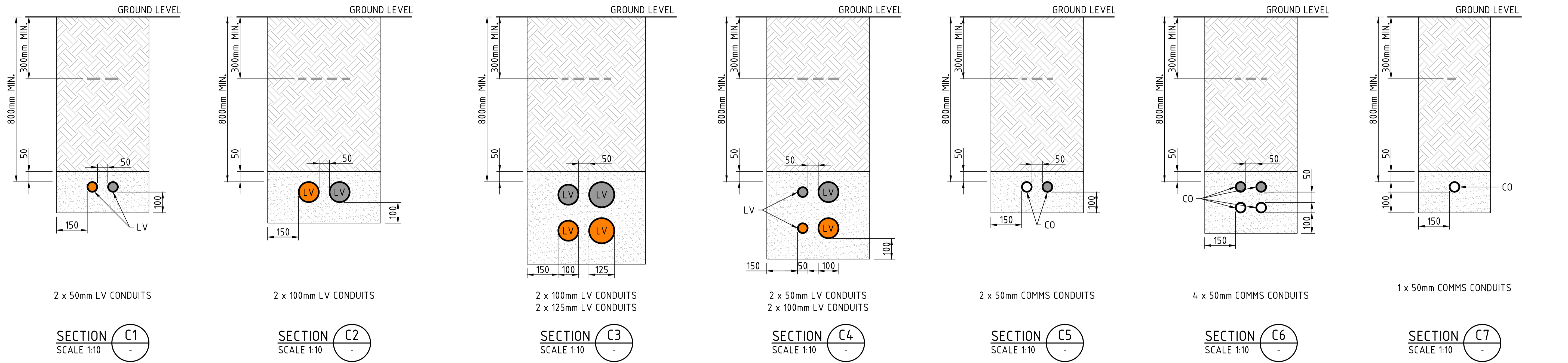
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Member of the Surbana Jurong Group

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP3 - CSR LAYOUT PLAN

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002525 1	SHEET:	1 OF 1	A1	
STATUS:	PRELIMINARY DESIGN REVIEW				
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002525	REV	A	VER	0
EDMS No.		AMD No.			

File: Plotter\TAP3150505-SMEC-MVL-SR-DRG-002522.dwg  
 Plot Date & Time: 18/08/2023 4:41 PM  
 Plotted by: JMT17609



**GENERAL NOTES**

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
- WIRING SYSTEMS INSTALLED UNDERGROUND SHALL BE IDENTIFIED BY AN ORANGE MARKER TAPE COMPLYING WITH AS/NZS 2648.1. IN ORDER TO PROVIDE EARLY DETECTION OF THE PRESENCE OF UNDERGROUND WIRING DURING EXCAVATION WORK, MARKER TAPE SHALL BE POSITIONED AT APPROXIMATELY 50% OF THE DEPTH OF COVER ABOVE THE WIRING SYSTEM OR ANY ADDITIONAL MECHANICAL PROTECTION PROVIDED FOR THAT SYSTEM.
- WATER AND SEWER CROSS SECTIONAL DETAILS ARE INDICATIVE. TRENCH MATERIALS TO BE CONFIRMED BY HYDRAULICS ENGINEER.
- WATER AND SEWER TRENCH DETAILS ARE INDICATIVE. TO BE COORDINATED WITH HYDRAULICS ENGINEER IN NEXT STAGE

**LEGEND:**

- CLEAN COMPACTED FILL
- CEMENT STABILISED SAND 1 TO 10 RATIO
- WARNING TAPE TO AS/NZ 2648.1
- COMMUNICATIONS - WHITE CONDUIT
- LOW VOLTAGE - ORANGE CONDUIT
- WATER PIPE
- SPARE CONDUIT (COMMS AND LV)
- SEWER PIPE

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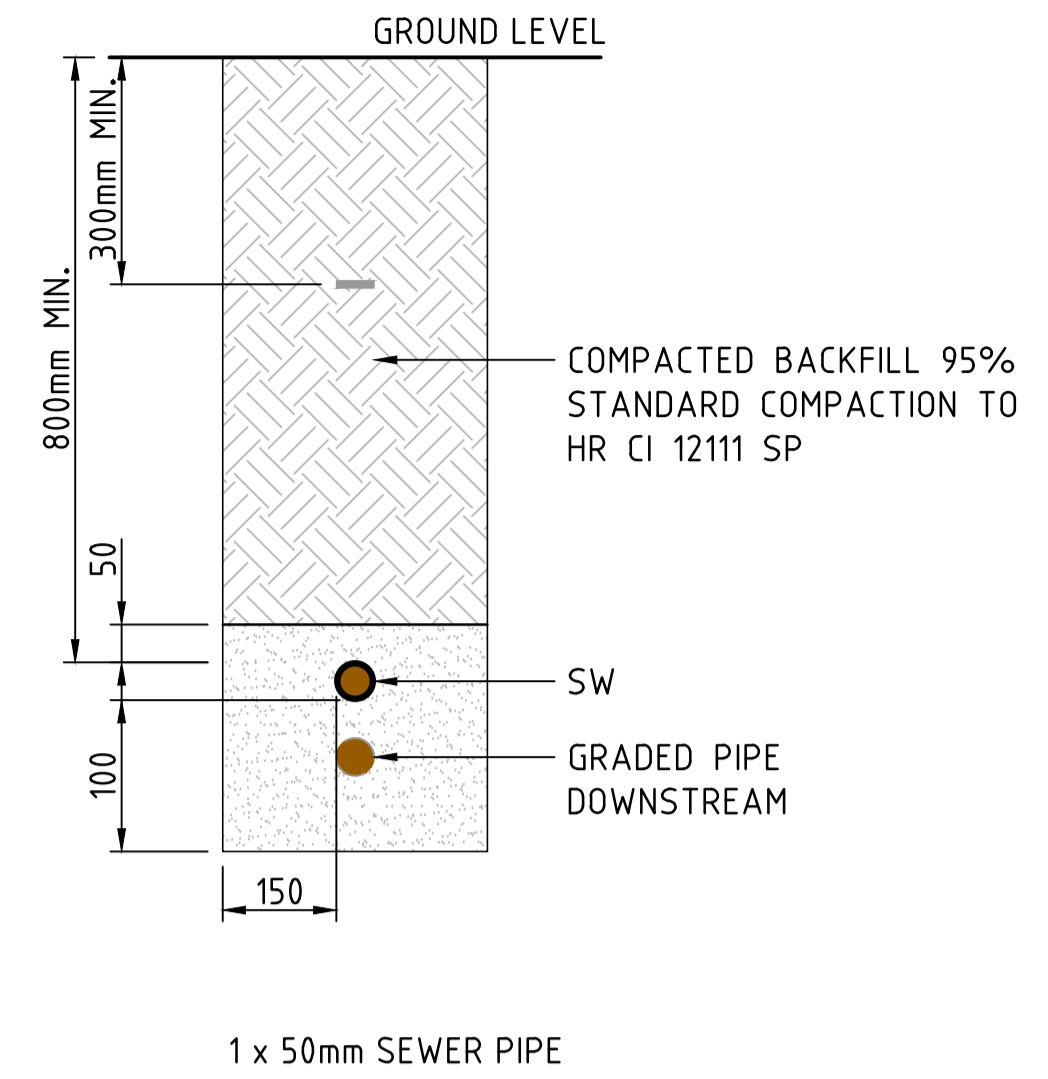
**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km to 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - TYPICAL DETAIL - SHEET 1

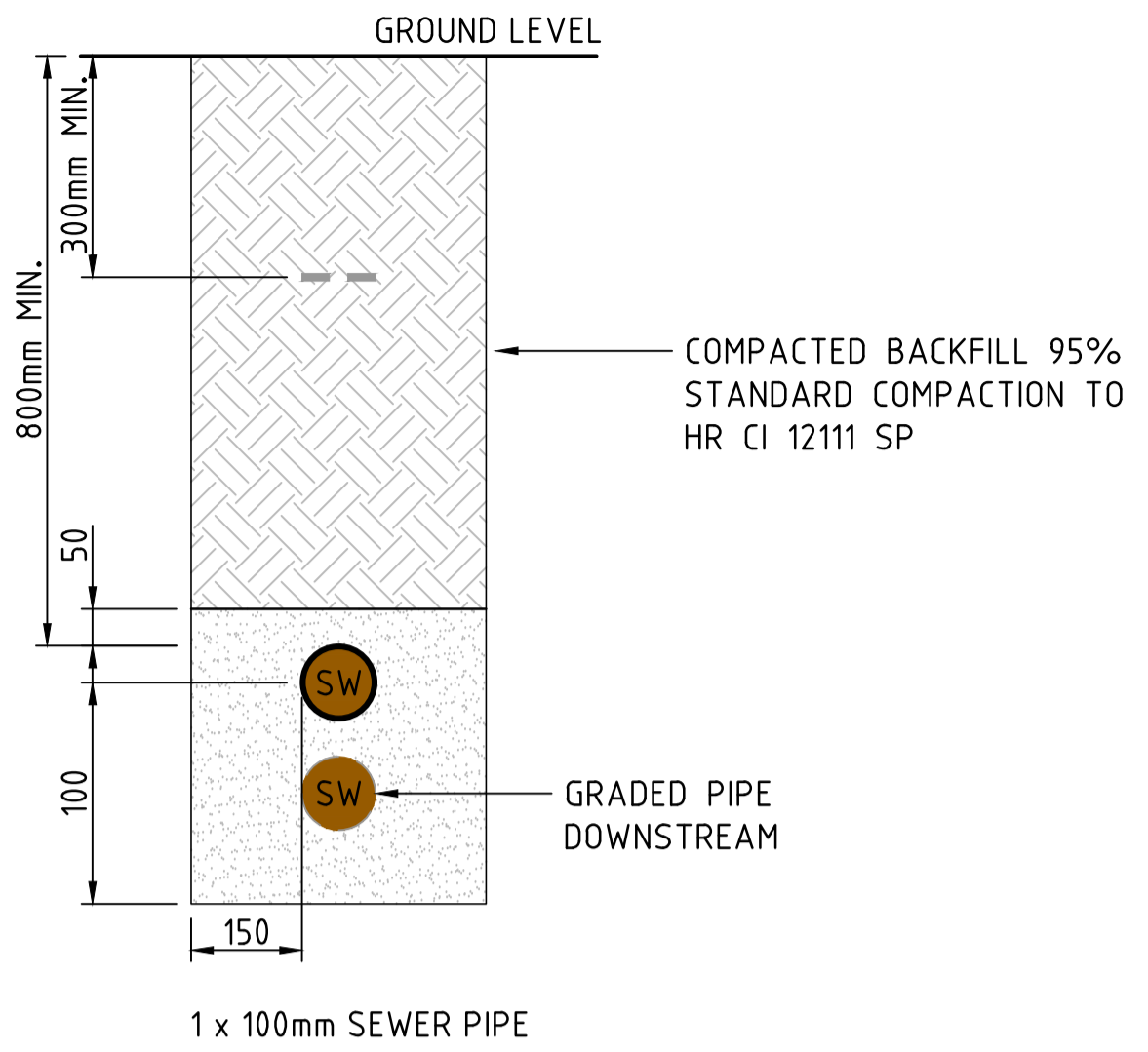
FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002550_1	SHEET: 1 OF 5	A1
STATUS:	PRELIMINARY DESIGN REVIEW		
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002550	REV A	VER 0

EDMS No.    AMD No.

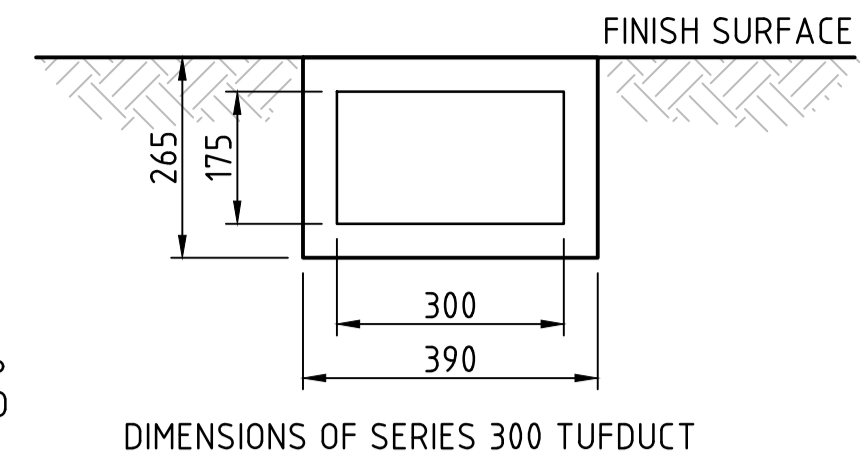
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Plot Date & Time: 18/08/2023 4:41 PM  
Plotted by: JMT7609



SECTION S1  
SCALE 1:10



SECTION S2  
SCALE 1:10



SECTION T1  
SCALE 1:10

SPECIFICATION INFORMATION OF TUFDUCT CONDUITS					
SERIES	LENGTH (mm)	WEIGHT TOTAL (KG)	WEIGHT BASE (KG)	WEIGHT LID (KG)	INTERNAL CAPACITY
300	1000	27	16	11	52,500mm <sup>2</sup>

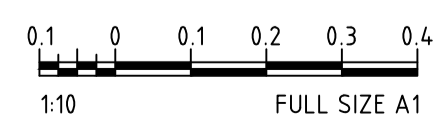
**GENERAL NOTES**

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
- WIRING SYSTEMS INSTALLED UNDERGROUND SHALL BE IDENTIFIED BY AN ORANGE MARKER TAPE COMPLYING WITH AS/NZS 2648.1. IN ORDER TO PROVIDE EARLY DETECTION OF THE PRESENCE OF UNDERGROUND WIRING DURING EXCAVATION WORK, MARKER TAPE SHALL BE POSITIONED AT APPROXIMATELY 50% OF THE DEPTH OF COVER ABOVE THE WIRING SYSTEM OR ANY ADDITIONAL MECHANICAL PROTECTION PROVIDED FOR THAT SYSTEM.
- WATER AND SEWER CROSS SECTIONAL DETAILS ARE INDICATIVE. TRENCH MATERIALS TO BE CONFIRMED BY HYDRAULICS ENGINEER.
- WATER AND SEWER TRENCH DETAILS ARE INDICATIVE. TO BE COORDINATED WITH HYDRAULICS ENGINEER IN NEXT STAGE

**LEGEND:**

- CLEAN COMPACTED FILL
- CEMENT STABILISED SAND 1 TO 10 RATIO
- WARNING TAPE TO AS/NZ 2648.1
- COMMUNICATIONS - WHITE CONDUIT
- LOW VOLTAGE - ORANGE CONDUIT
- WATER PIPE
- SPARE CONDUIT (COMMS AND LV)
- SEWER PIPE

**DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR**



REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020    HEIGHT DATUM: A.H.D    SCALAS SHOWN

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**DEGNAN**

**SMEC**  
Member of the Surlana Jurong Group

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DRAWN: JOVER MOISES 21.08.2023  
 DESIGNED: ASH ENKESHAFI 21.08.2023  
 DRG CHECK: GRACE TAI 21.08.2023  
 DESIGN CHECK: DAWIT SEYOUUM 21.08.2023  
 APPROVED: BEN MORRIS 21.08.2023

**OFFICIAL FOR REVIEW AND COMMENT**

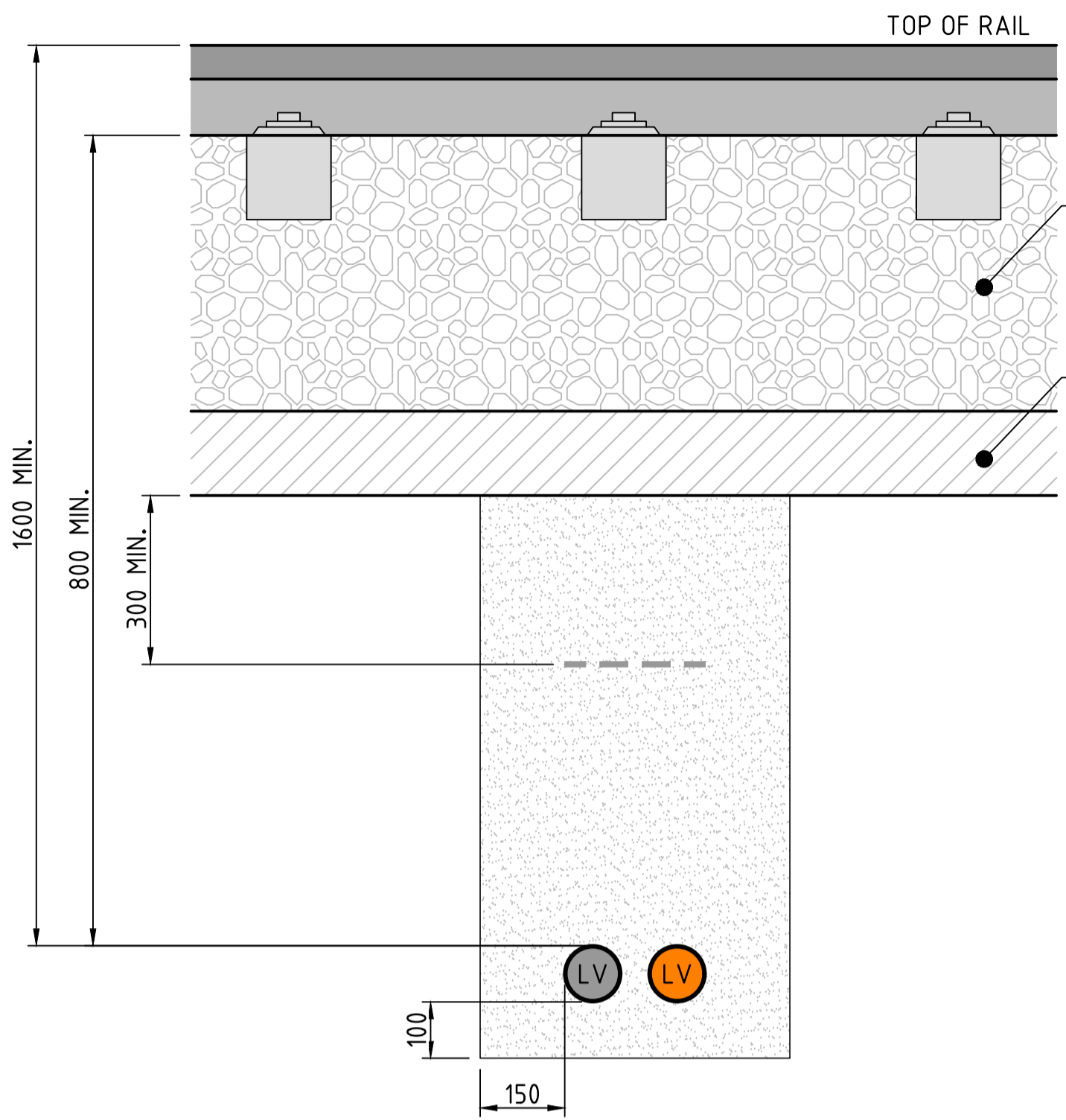
**MOSS VALE YARD**  
 MAIN SOUTH LINE 145.180km TO 145.860km  
 TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - TYPICAL DETAIL - SHEET 2

FILE No. TAP3150505-SMEC-MVL-SR-DRG-002551_1	SHEET: 2 OF 5	A1
STATUS: PRELIMINARY DESIGN REVIEW		
DRG No. TAP3150505-SMEC-MVL-SR-DRG-002551	REV A	VER 0

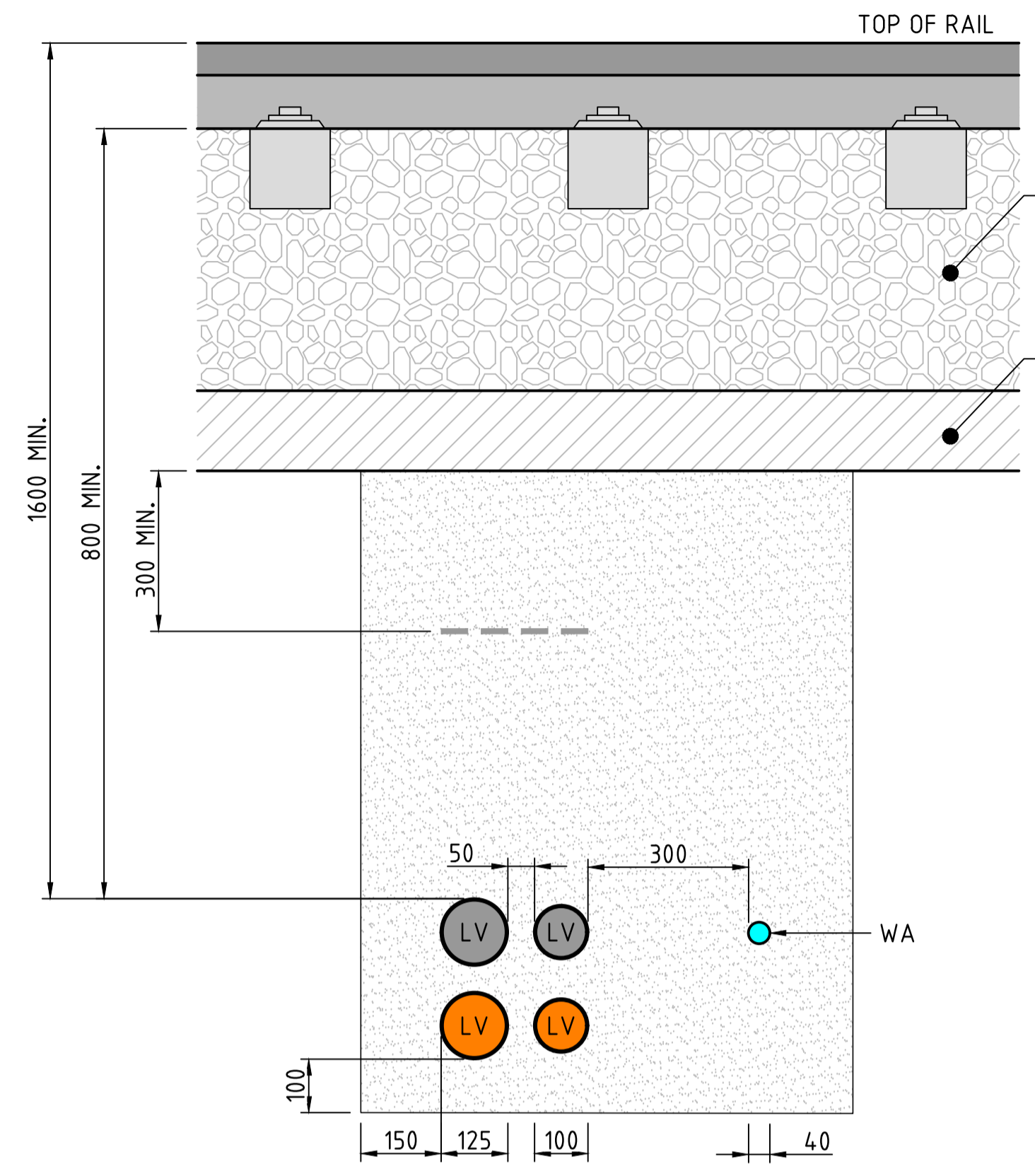
EDMS No.    AMD No.

File: Plotted\TAP3150505-SMEC-MVL-SR-DRG-002551.dwg  
 Plot Date & Time: 18/08/2023 4:41 PM  
 Plotted by: JMT7609



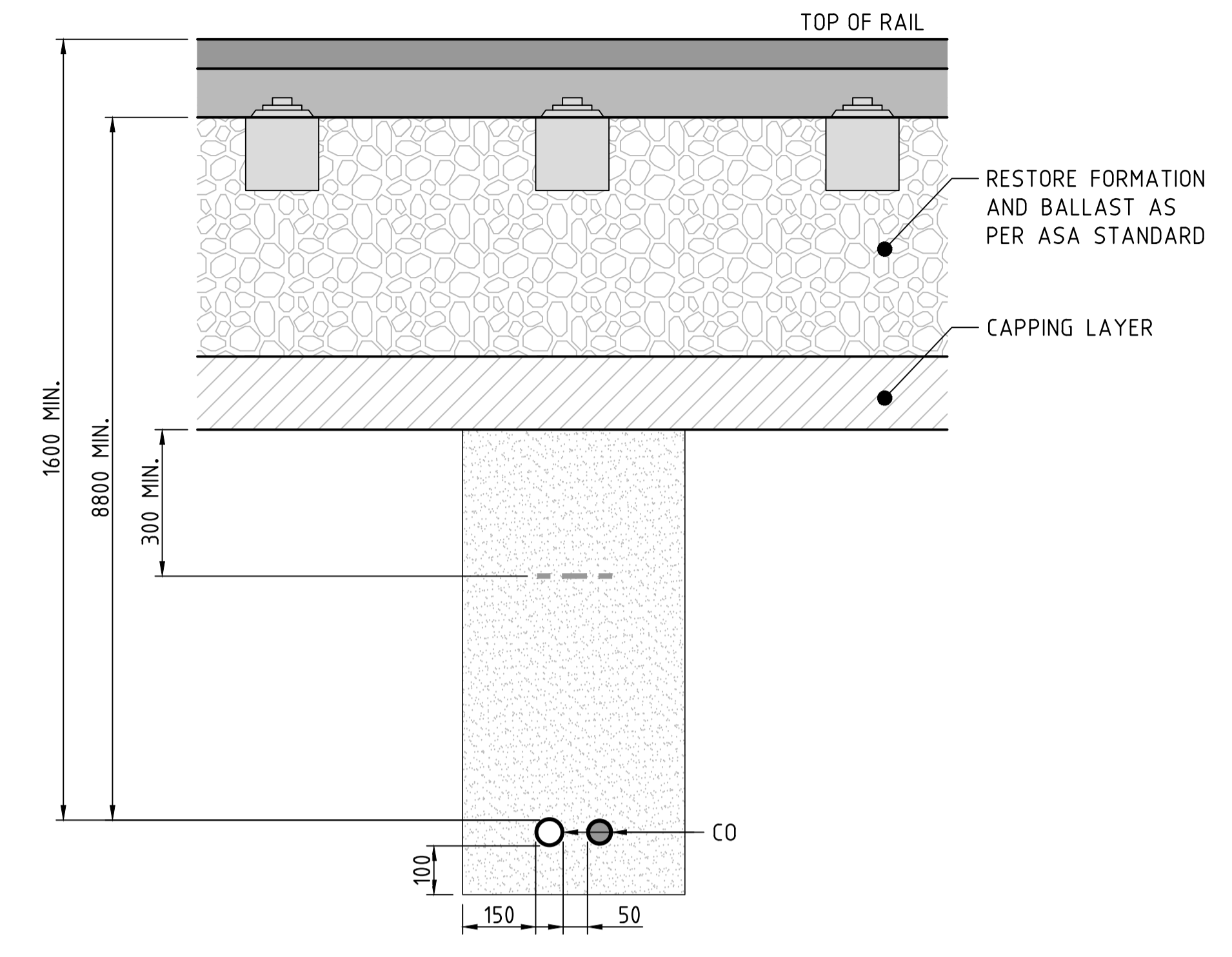
2 x 100mm LV CONDUITS

SECTION U1  
SCALE 1:10



2 x 125mm LV CONDUITS  
2 x 100mm LV CONDUITS  
1 x 40mm WATER PIPE

SECTION U2  
SCALE 1:10



2 x 50mm COMMS CONDUITS

SECTION U3  
SCALE 1:10

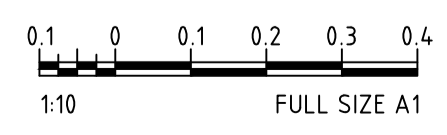
**GENERAL NOTES:**

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
- WIRING SYSTEMS INSTALLED UNDERGROUND SHALL BE IDENTIFIED BY AN ORANGE MARKER TAPE COMPLYING WITH AS/NZS 2648.1. IN ORDER TO PROVIDE EARLY DETECTION OF THE PRESENCE OF UNDERGROUND WIRING DURING EXCAVATION WORK, MARKER TAPE SHALL BE POSITIONED AT APPROXIMATELY 50% OF THE DEPTH OF COVER ABOVE THE WIRING SYSTEM OR ANY ADDITIONAL MECHANICAL PROTECTION PROVIDED FOR THAT SYSTEM.

**LEGEND:**

- CLEAN COMPACTED FILL
- CEMENT STABILISED SAND 1 TO 10 RATIO
- WARNING TAPE TO AS/NZ 2648.1
- COMMUNICATIONS - WHITE CONDUIT
- LOW VOLTAGE - ORANGE CONDUIT
- WATER PIPE
- SPARE CONDUIT (COMMS AND LV)
- SEWER PIPE

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A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23	
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	
CO-ORDINATE SYSTEM: MGA2020		HEIGHT DATUM: A.H.D	SCALE AS SHOWN		

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**SMEC**  
Member of the Surlana Jurong Group

SMEC CSR

DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

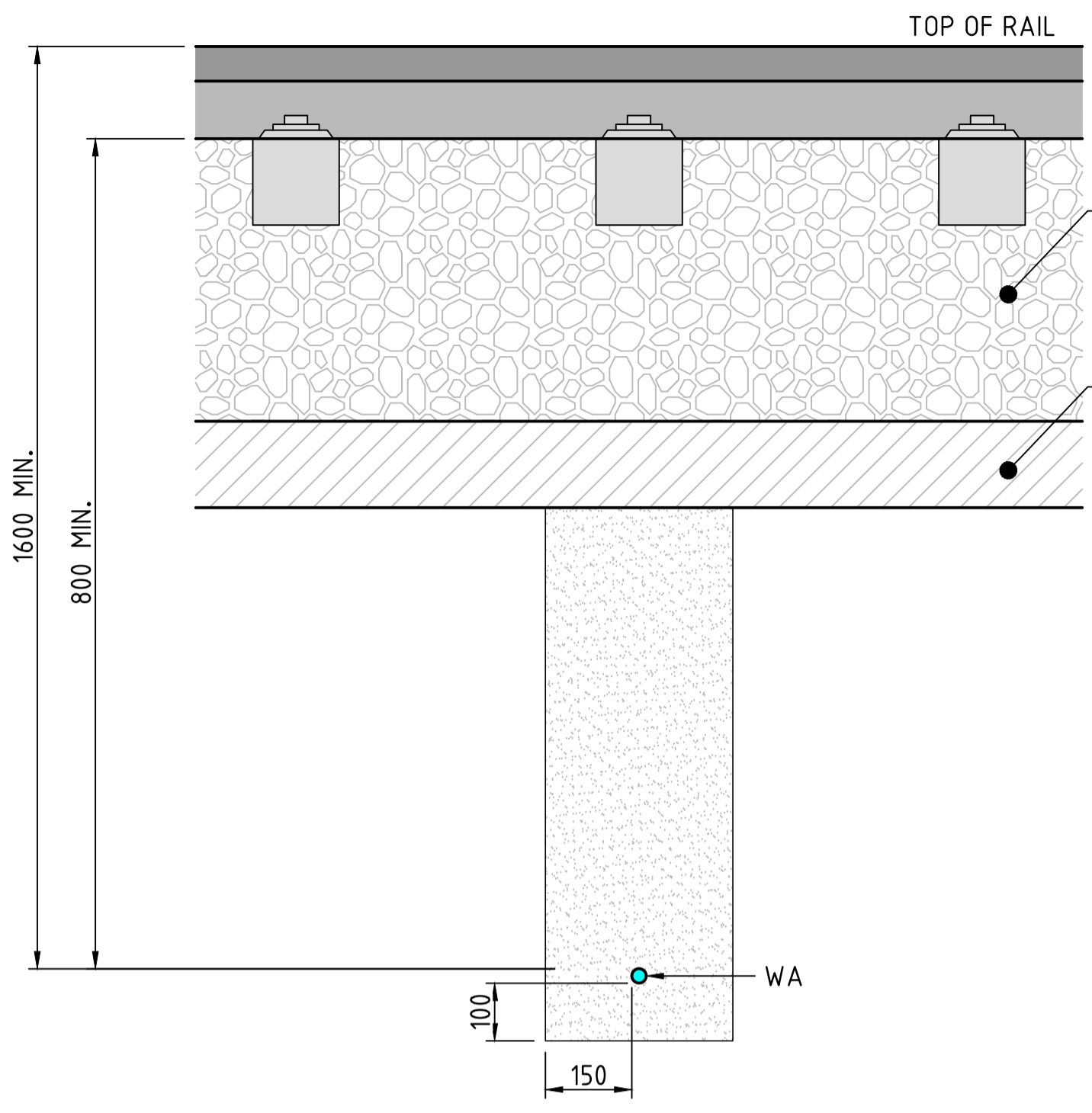
**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - TYPICAL DETAIL - SHEET 3

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002552_1	SHEET: 3 OF 5	A1
STATUS:	PRELIMINARY DESIGN REVIEW		
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002552	REV A	VER 0
EDMS No.			
AMD No.			

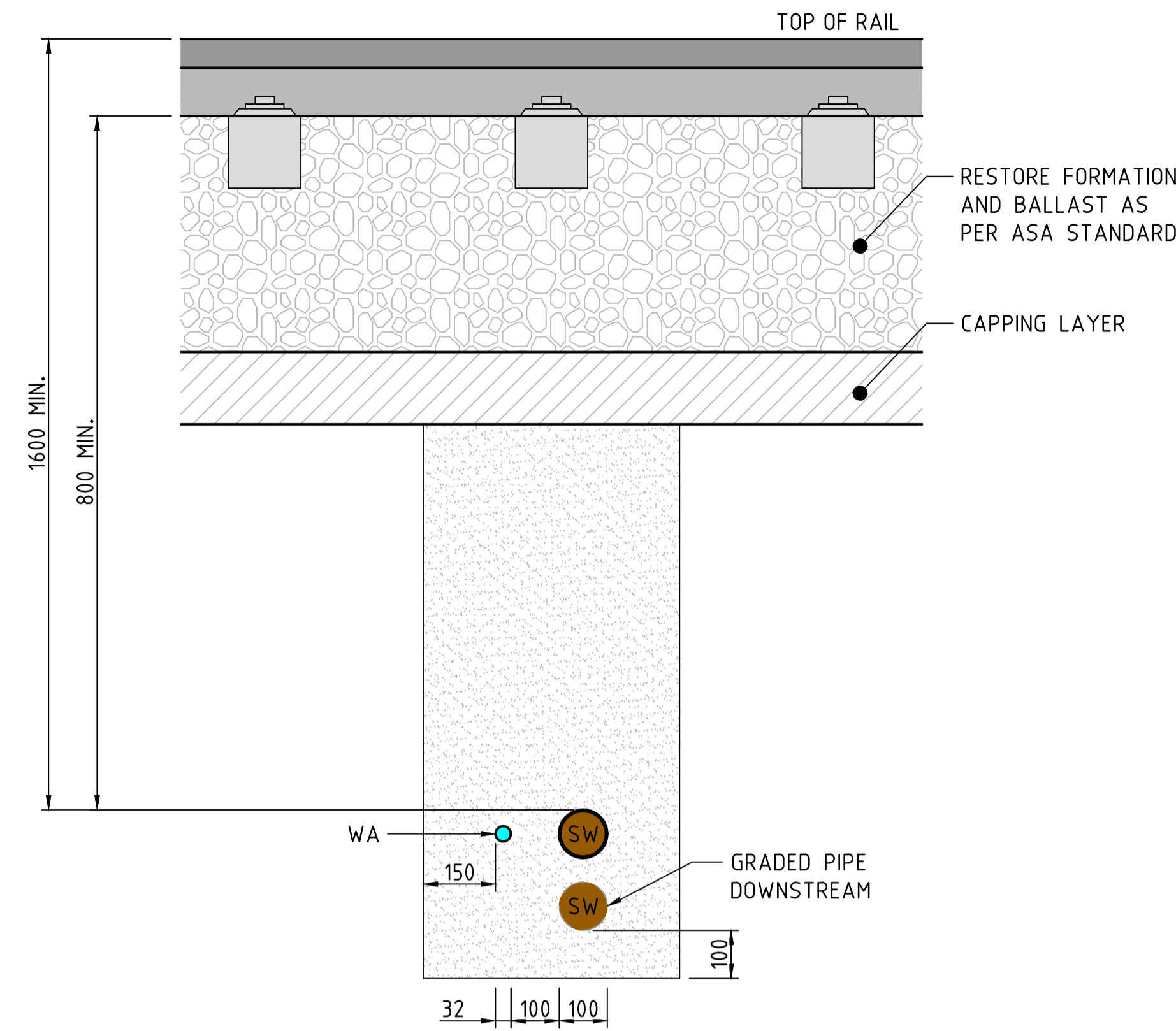
**OFFICIAL FOR REVIEW AND COMMENT**

File: Plotted\TAP3150505-SMEC-MVL-SR-DRG-002552.dwg  
 Plot Date & Time: 18/08/2023 4:41 PM  
 Plotted by: JMT1769



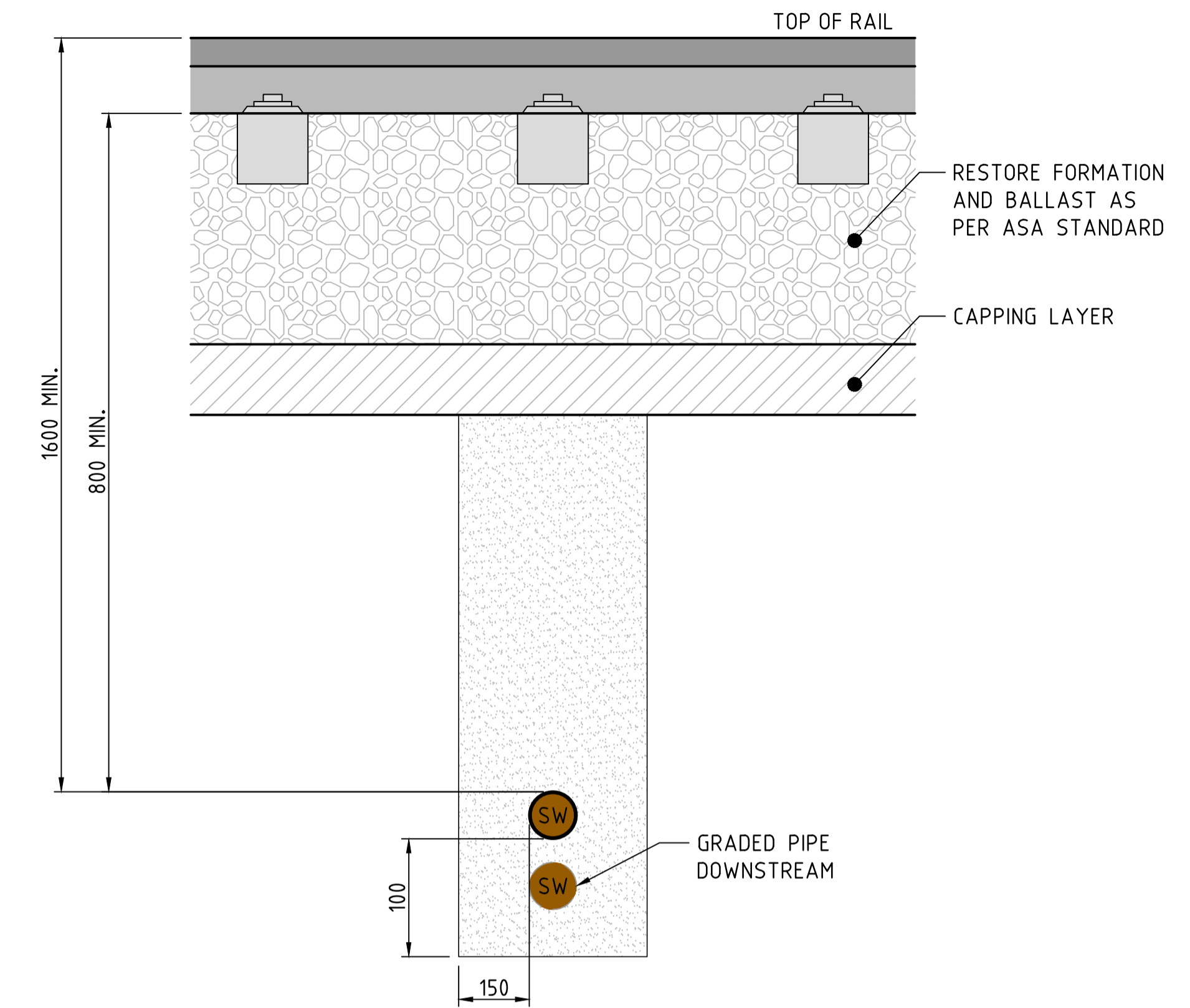
1 x 25mm WATER PIPE

SECTION U4  
SCALE 1:10



1 x 32mm WATER PIPE  
1 x 100mm SEWER PIPE

SECTION U5  
SCALE 1:10



1 x 100mm SEWER PIPE

SECTION U6  
SCALE 1:10

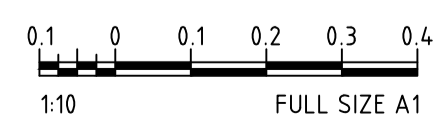
**GENERAL NOTES:**

- REFER TO DRAWING TAP3150505-SMEC-MVL-SR-DRG-002501 AND TAP3150505-SMEC-MVL-SR-DRG-002502 FOR GENERAL NOTES.
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**LEGEND:**

- CLEAN COMPACTED FILL
- CEMENT STABILISED SAND 1 TO 10 RATIO
- WARNING TAPE TO AS/NZ 2648.1
- COMMUNICATIONS - WHITE CONDUIT
- LOW VOLTAGE - ORANGE CONDUIT
- WATER PIPE
- SPARE CONDUIT (COMMS AND LV)
- SEWER PIPE

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020      HEIGHT DATUM: A.H.D      SCALE AS SHOWN

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**SMEC**  
Member of the Surlana Jurong Group

SMEC CSR

DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - TYPICAL DETAIL - SHEET 4

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002553 1	SHEET:	4	OF	5	A1	
STATUS:	PRELIMINARY DESIGN REVIEW						
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002553	REV	A	VER	0	EDMS No.	AMD No.

Plotted by JMT1769

File: Plotted\TAP3150505-SMEC-MVL-SR-DRG-002553.dwg  
Plot Date & Time: 18/08/2023 4:42 PM  
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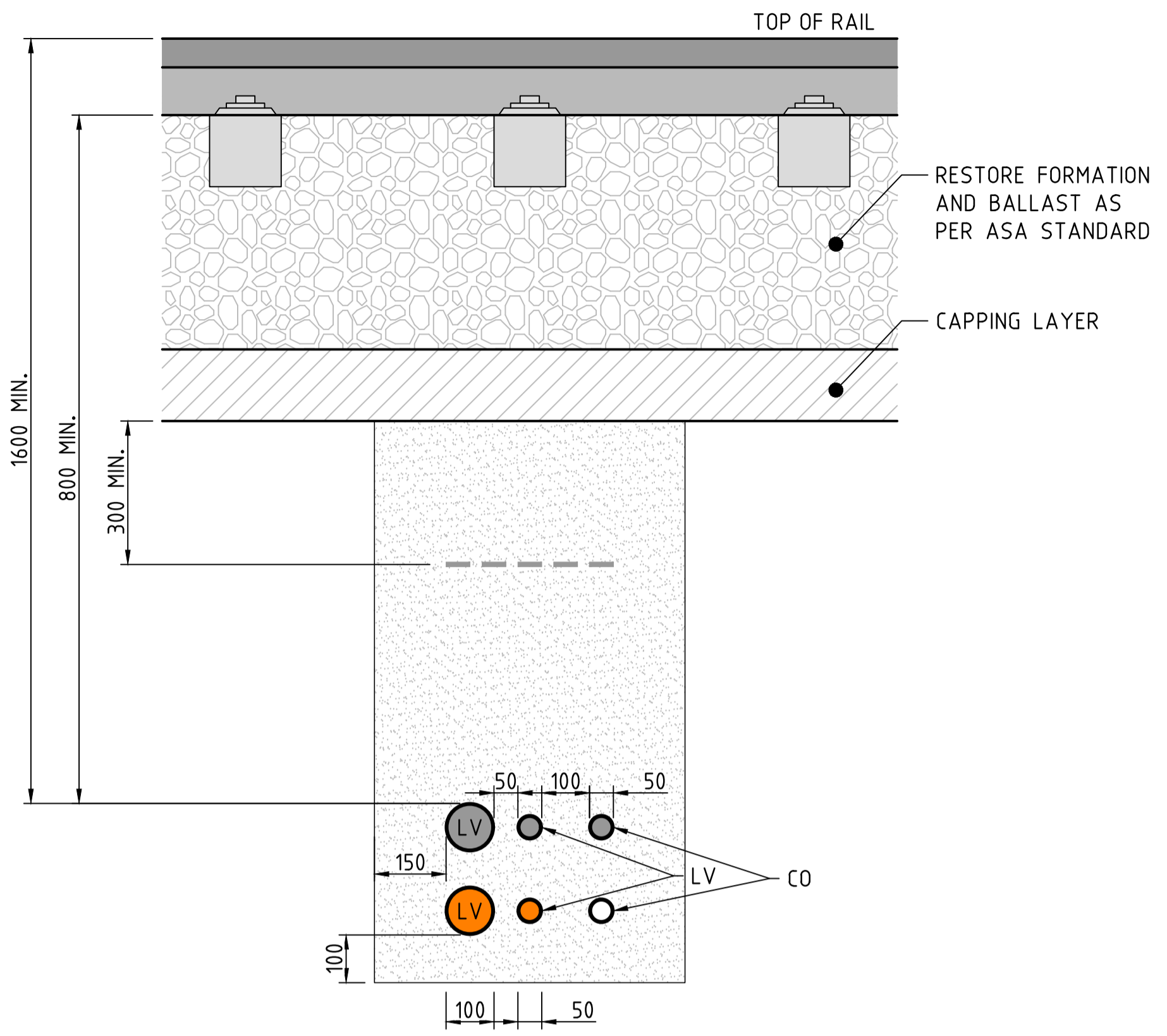
D

E

F

G

H



2 x 100mm LV CONDUITS  
2 x 50mm LV CONDUITS  
2 x 50mm COMMS CONDUITS

SECTION U7  
SCALE 1:10

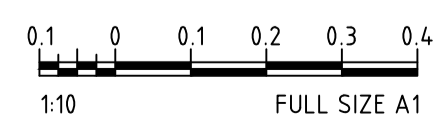
**GENERAL NOTES:**

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**LEGEND:**

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- CEMENT STABILISED SAND 1 TO 10 RATIO
- WARNING TAPE TO AS/NZ 2648.1
- COMMUNICATIONS - WHITE CONDUIT
- LOW VOLTAGE - ORANGE CONDUIT
- WATER PIPE
- SPARE CONDUIT (COMMS AND LV)
- SEWER PIPE

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR



A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23	
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	
CO-ORDINATE SYSTEM: MGA2020		HEIGHT DATUM: A.H.D	SCALE(S) SHOWN		

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**SMEC**  
Member of the Surbana Jurong Group

SMEC  
CSR

DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

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**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - TYPICAL DETAIL - SHEET 5

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002554_1	SHEET:	5	OF	5	A1
STATUS: PRELIMINARY DESIGN REVIEW						
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002554	REV	A	VER	0	EDMS No.
						AMD No.

File: Plotted\TAP3150505-SMEC-MVL-SR-DRG-002554.dwg  
Plot Date & Time: 18/08/2023 4:42 PM  
Plotted by: JMT1769

A

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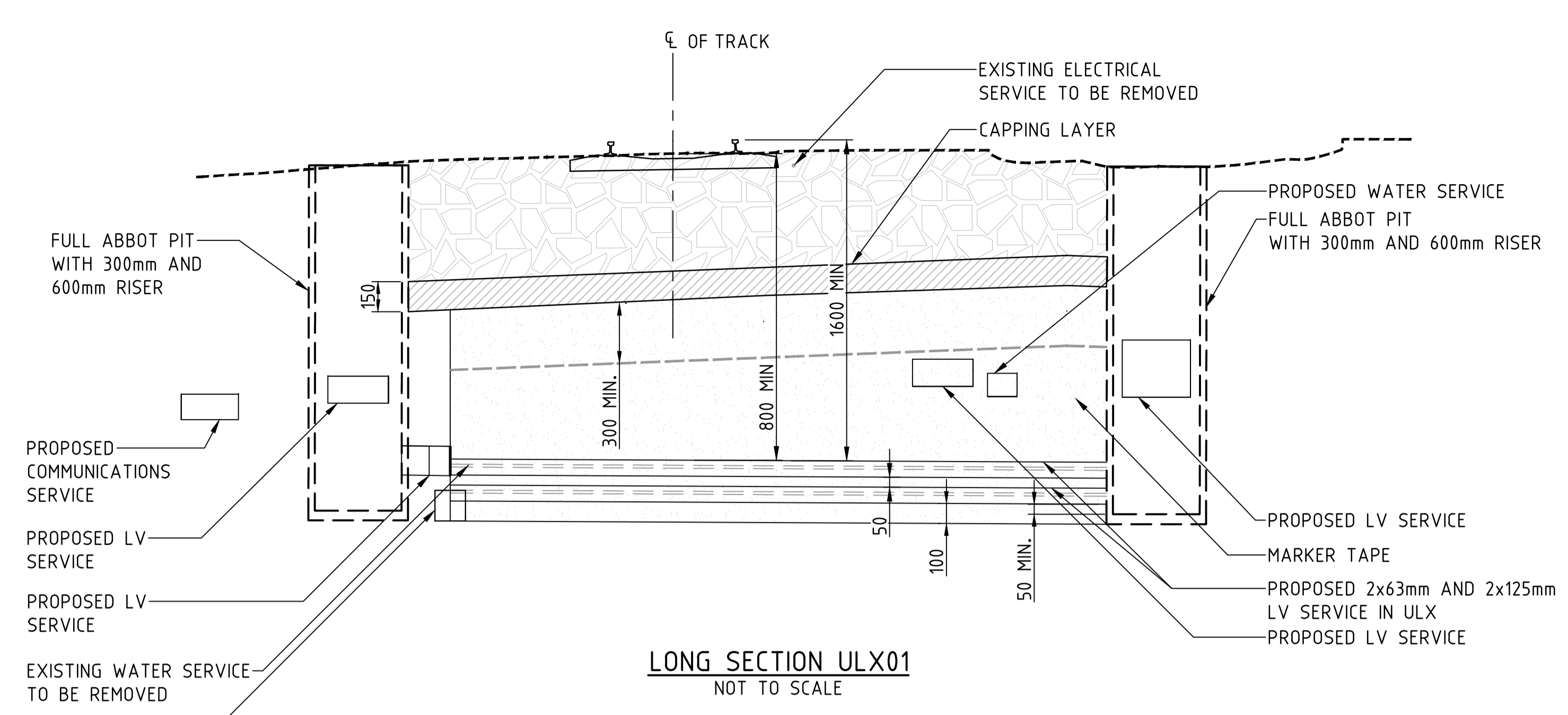
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E

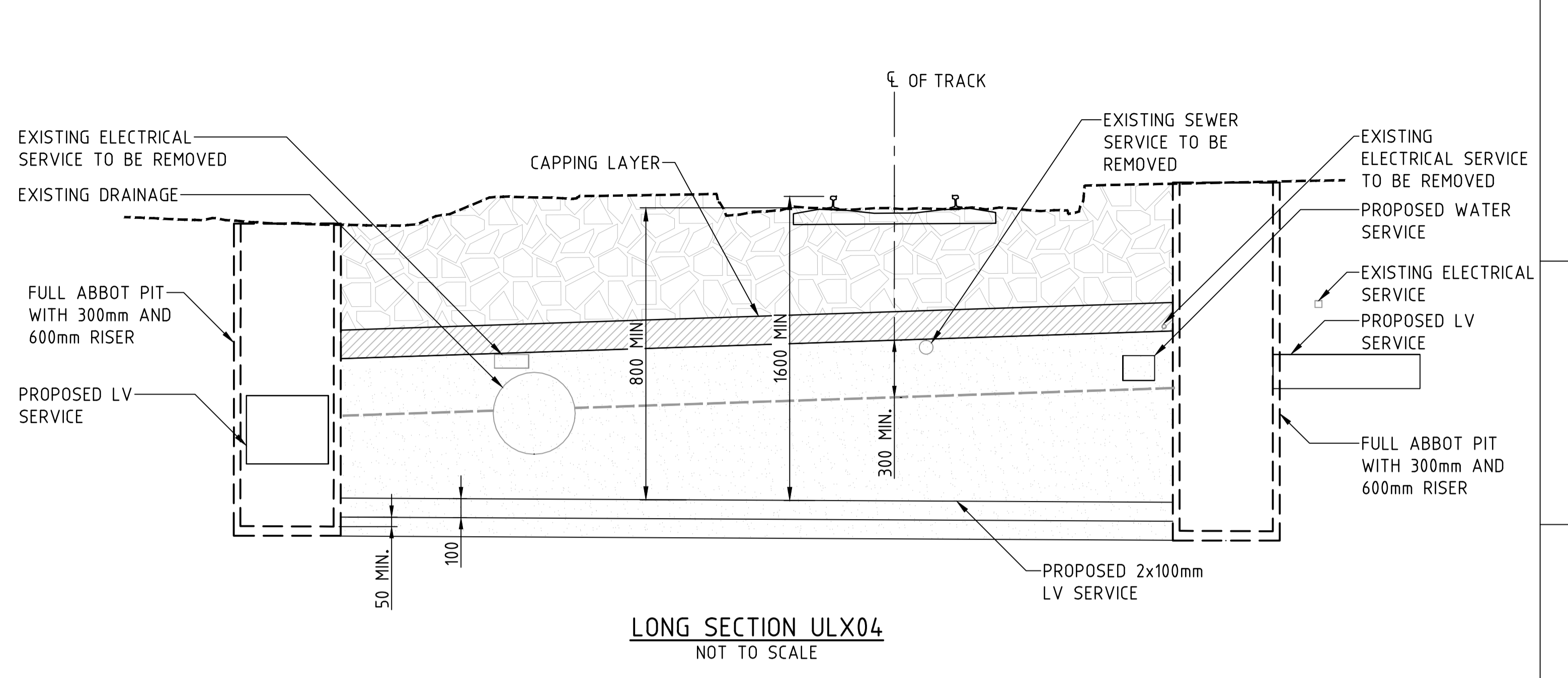
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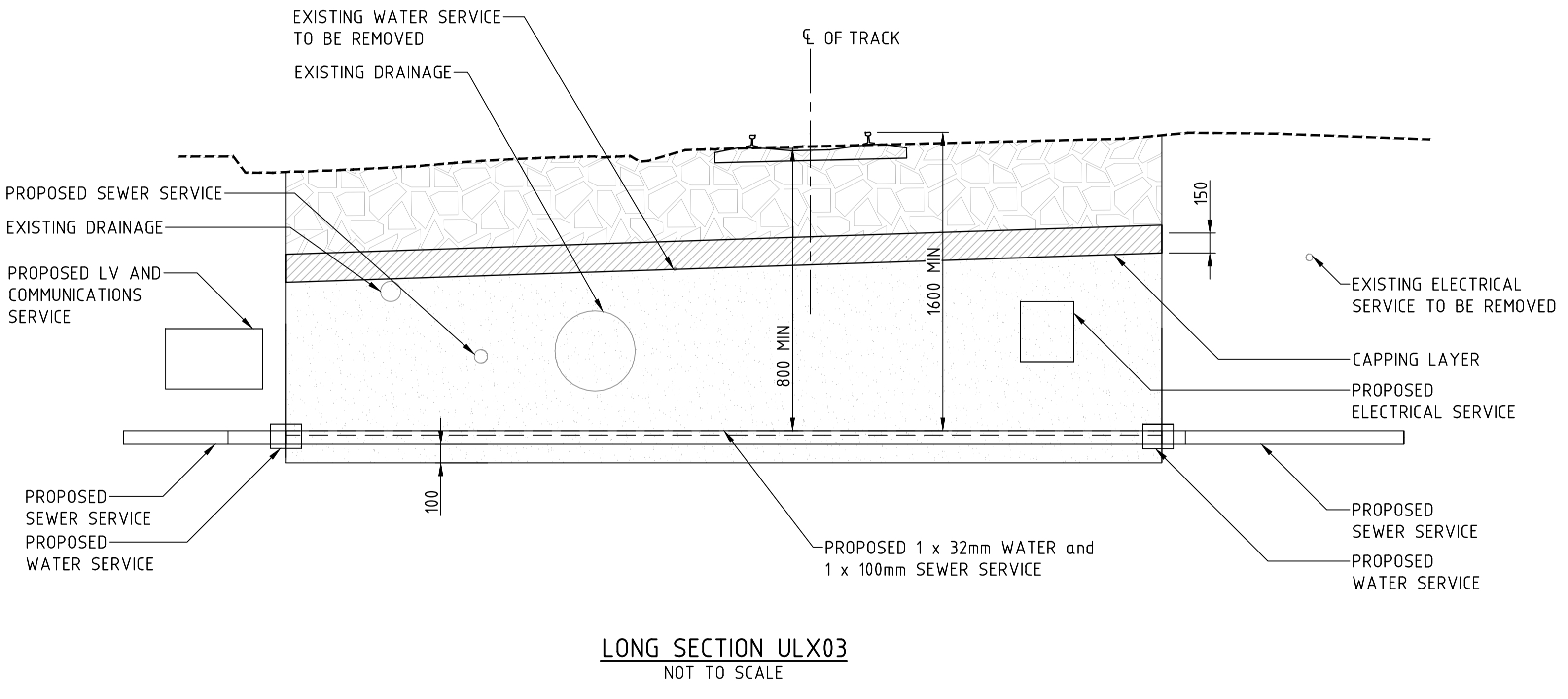
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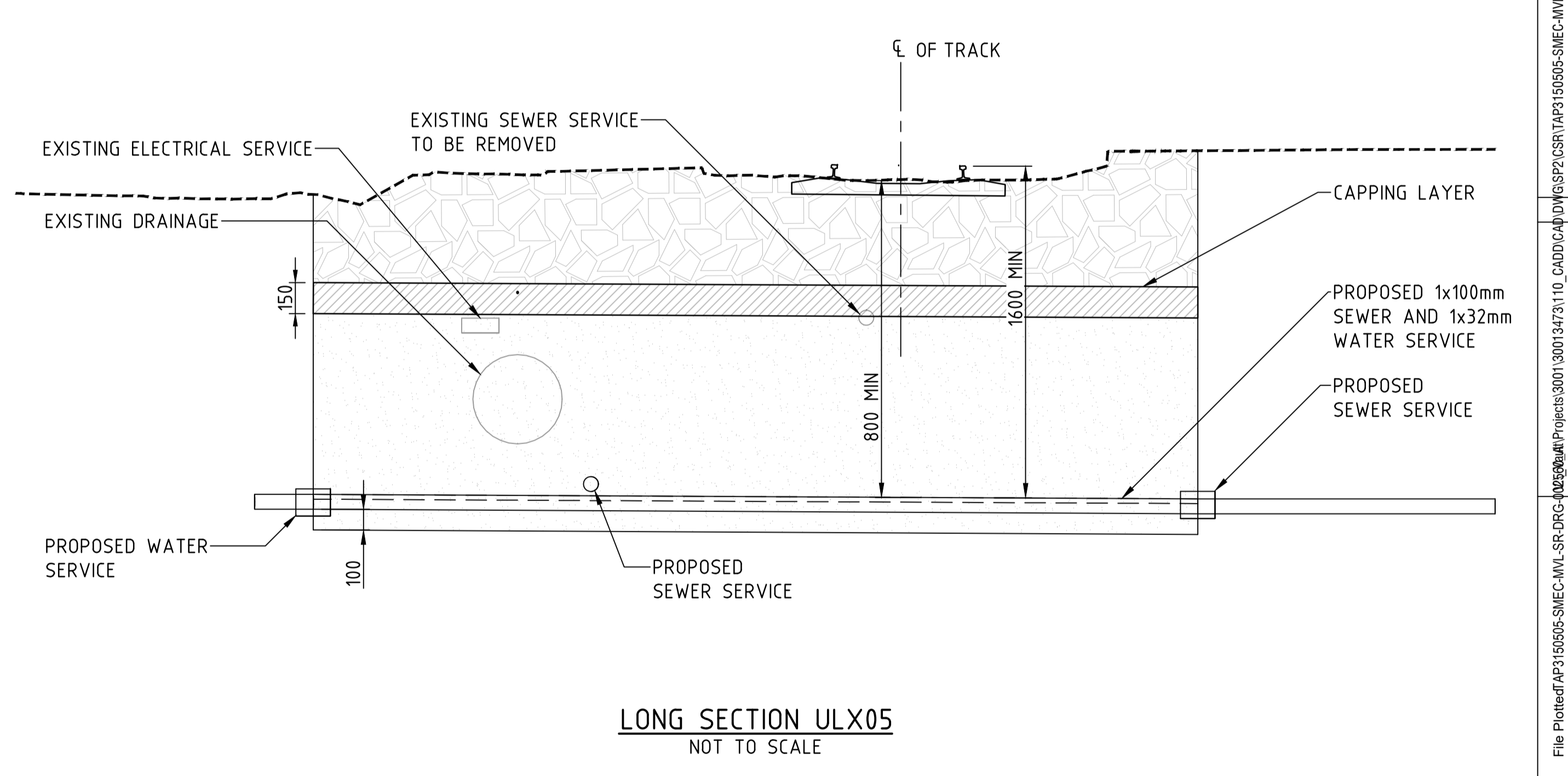
LONG SECTION ULX01  
NOT TO SCALE



LONG SECTION ULX04  
NOT TO SCALE



LONG SECTION ULX03  
NOT TO SCALE



LONG SECTION ULX05  
NOT TO SCALE

NOTES:

- EXISTING SERVICES SHOWN IN THE LONG SECTIONS RANGE FROM QL-A TO QL-D. THE EXISTING SERVICES ARE SHOWN INDICATIVELY.
- THE FORMATION ARE TO BE REINSTATED TO AMB STANDARDS. THE FORMATION LEVELS ARE SHOWN INDICATIVELY.

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020    HEIGHT DATUM: A.H.D    SCALE: NTS



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DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

SMC CSR

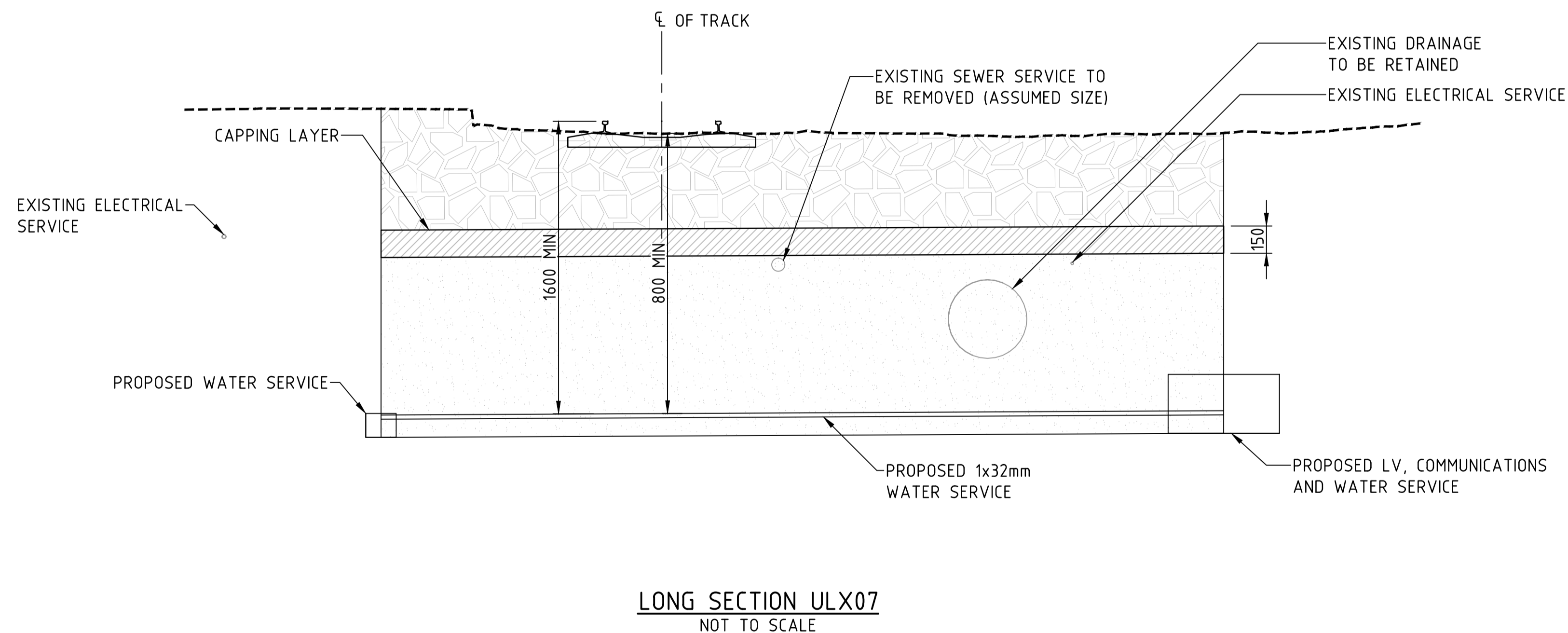
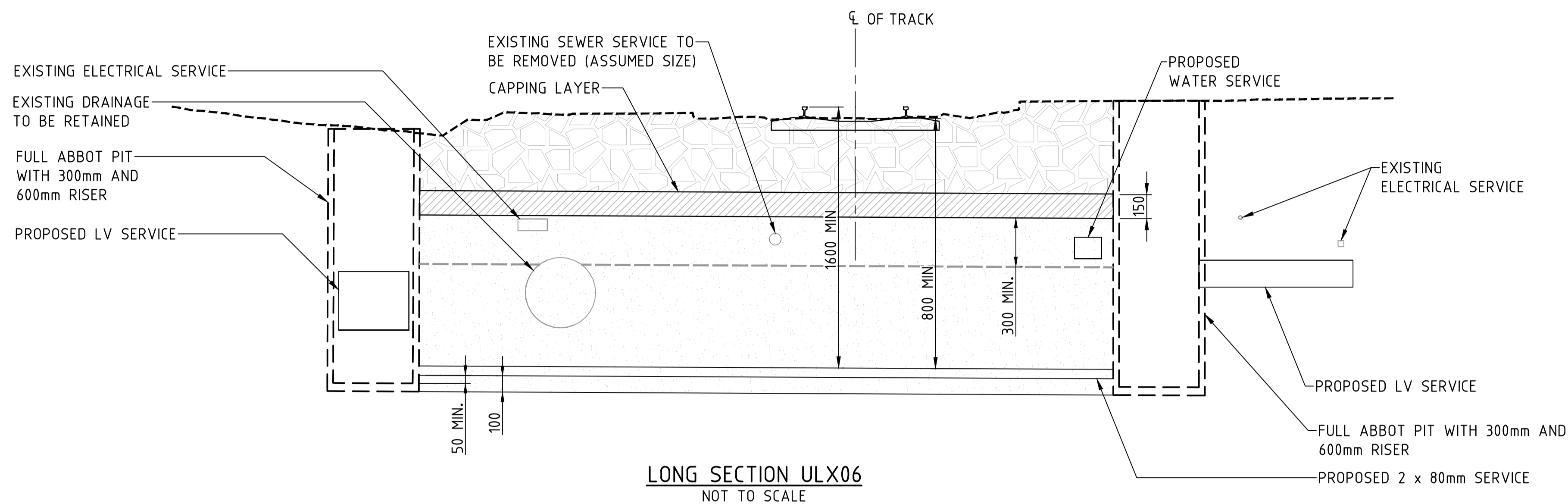
**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - LONG SECTIONS - SHEET 1

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002560	1	SHEET: 1 OF 4	A1
STATUS:	PRELIMINARY DESIGN REVIEW			
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002560	REV	VER	EDMS No.
		A	0	

AMD No.

File: Plotter\TAP3150505-SMEC-MVL-SR-DRG-002560.dwg; Project: 3001\30013473\110\_CADD\CAD\DWG\SP2\CSR\TAP3150505-SMEC-MVL-SR-DRG-002560.dwg; Plot Date & Time: 18/08/2023 4:42 PM; Plotted by: JMT1769



NOTES:

- EXISTING SERVICES SHOWN IN THE LONG SECTIONS RANGE FROM QL-A TO QL-D. THE EXISTING SERVICES ARE SHOWN INDICATIVELY.
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FOR REVIEW AND COMMENT

REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23
CO-ORDINATE SYSTEM: MGA2020		HEIGHT DATUM: A.H.D		SCALE: NTS



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DRAWN	JOVER MOISES	21.08.2023
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DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
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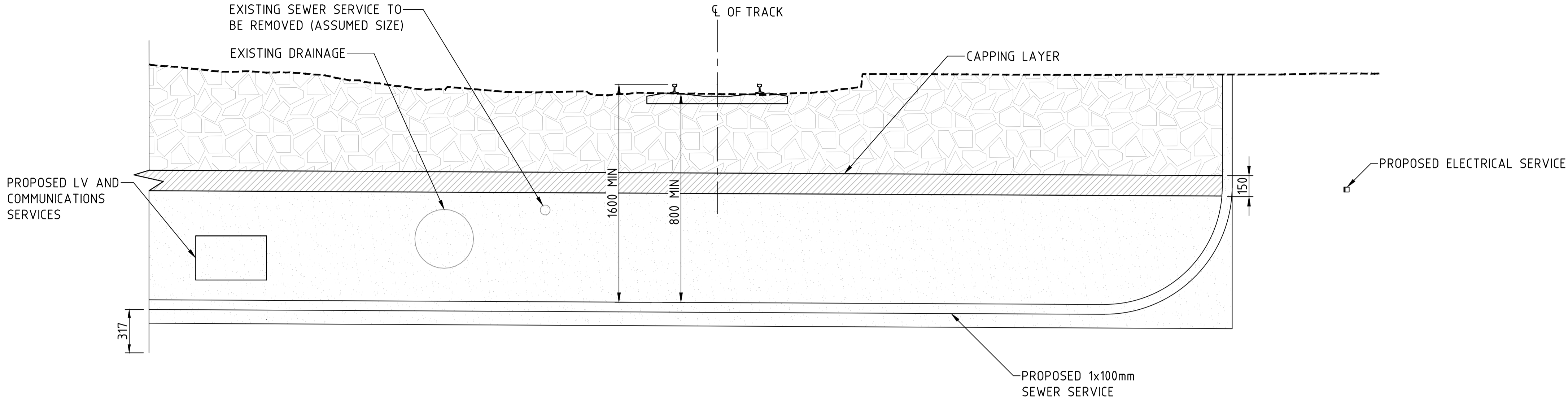
Member of the Surbana Jurong Group  
SMEC CSR

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

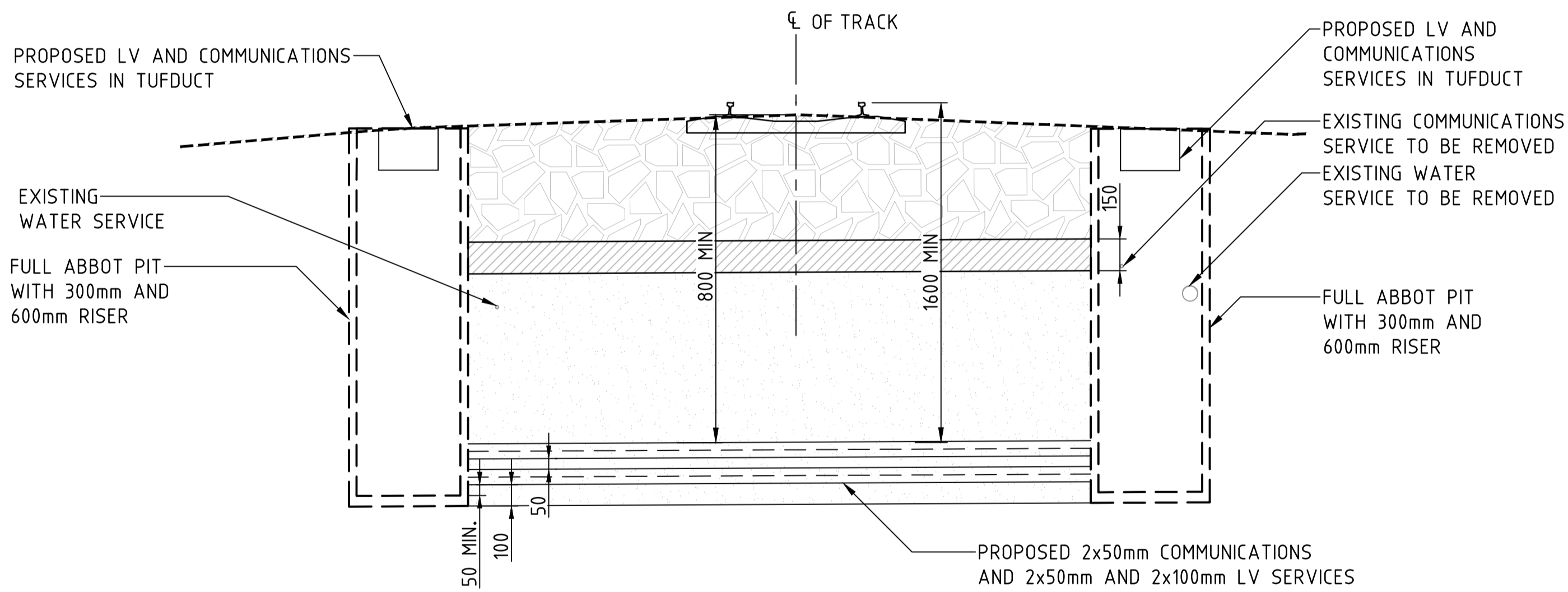
SP2 - LONG SECTIONS - SHEET 2			
FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002561 1	SHEET: 2 OF 4	A1
STATUS: PRELIMINARY DESIGN REVIEW			
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002561	REV A	VER 0
EDMS No.		AMD No.	

File: P:\tiedr\TAP3150505-SMEC-MVL-SR-DRG-002561.dwg; Plot Date & Time: 18/08/2023 4:43 PM; Plotted by: JMT1769





**LONG SECTION ULX08**  
NOT TO SCALE



**LONG SECTION ULX09**  
NOT TO SCALE

- NOTES:**
- EXISTING SERVICES SHOWN IN THE LONG SECTIONS RANGE FROM QL-A TO QL-D. THE EXISTING SERVICES ARE SHOWN INDICATIVELY.
  - THE FORMATION ARE TO BE REINSTATED TO AMB STANDARDS. THE FORMATION LEVELS ARE SHOWN INDICATIVELY.

**DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR**

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020    HEIGHT DATUM: A.H.D    SCALE: NTS



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**SMC**  
Member of the Surbana Jurong Group  
SMC CSR

DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - LONG SECTIONS - SHEET 3

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002562_1	SHEET:	3	OF	4	A1
STATUS:	PRELIMINARY DESIGN REVIEW					
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002562	REV	A	VER	0	EDMS No.
AMD No.						

File: P:\tied\TAP3150505-SMEC-MVL-SR-DRG-002562.dwg  
 Plot Date & Time: 18/08/2023 4:43 PM  
 Plotted by: JMT7609

A

B

C

D

E

F

G

H

A

B

C

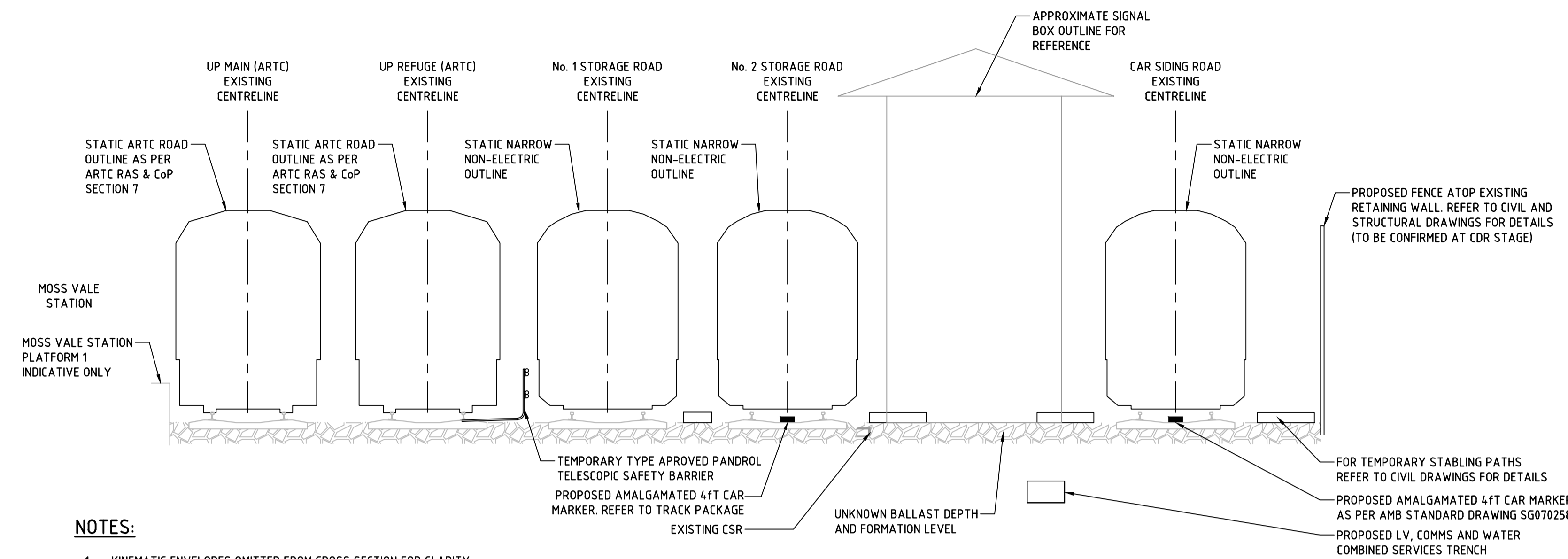
D

E

F

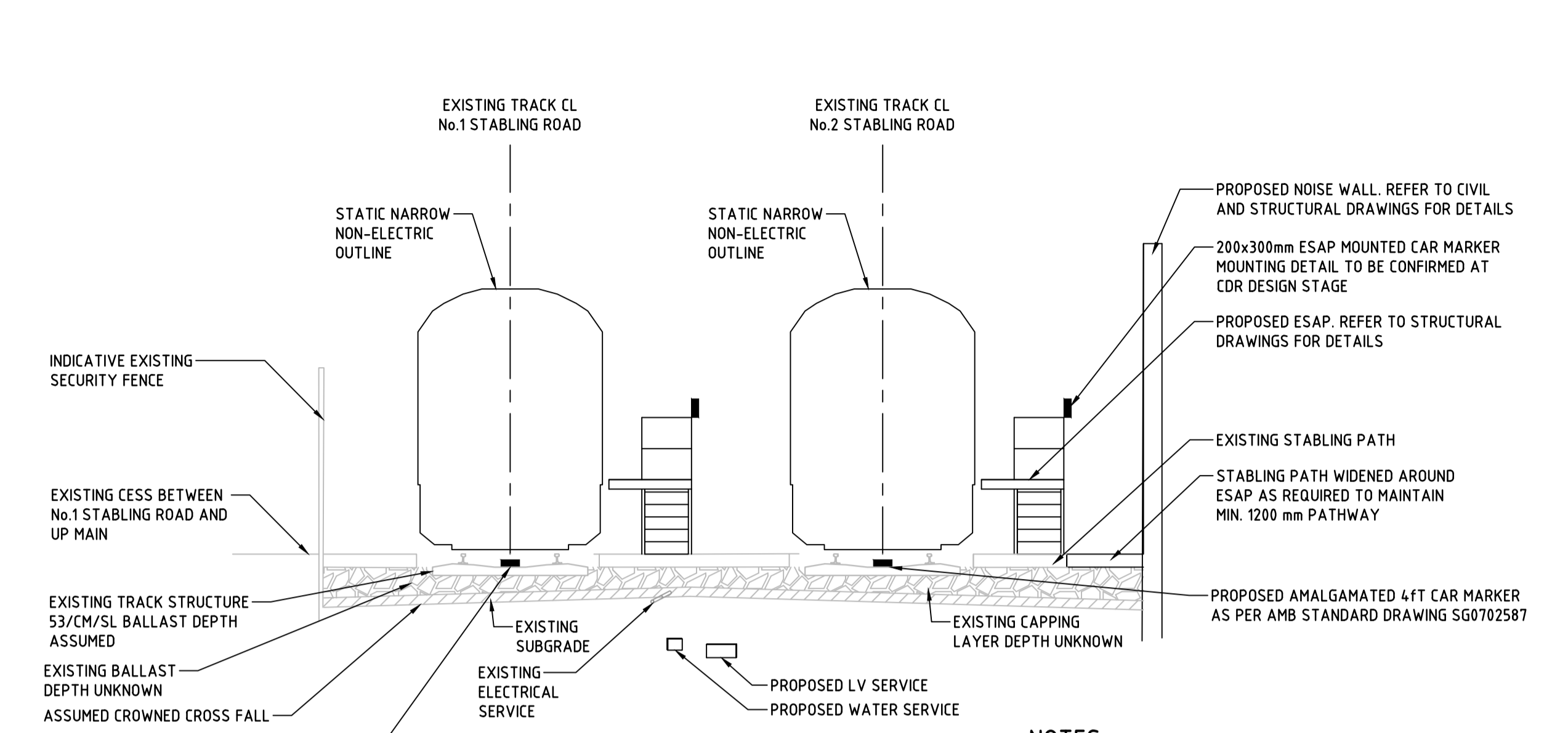
G

H



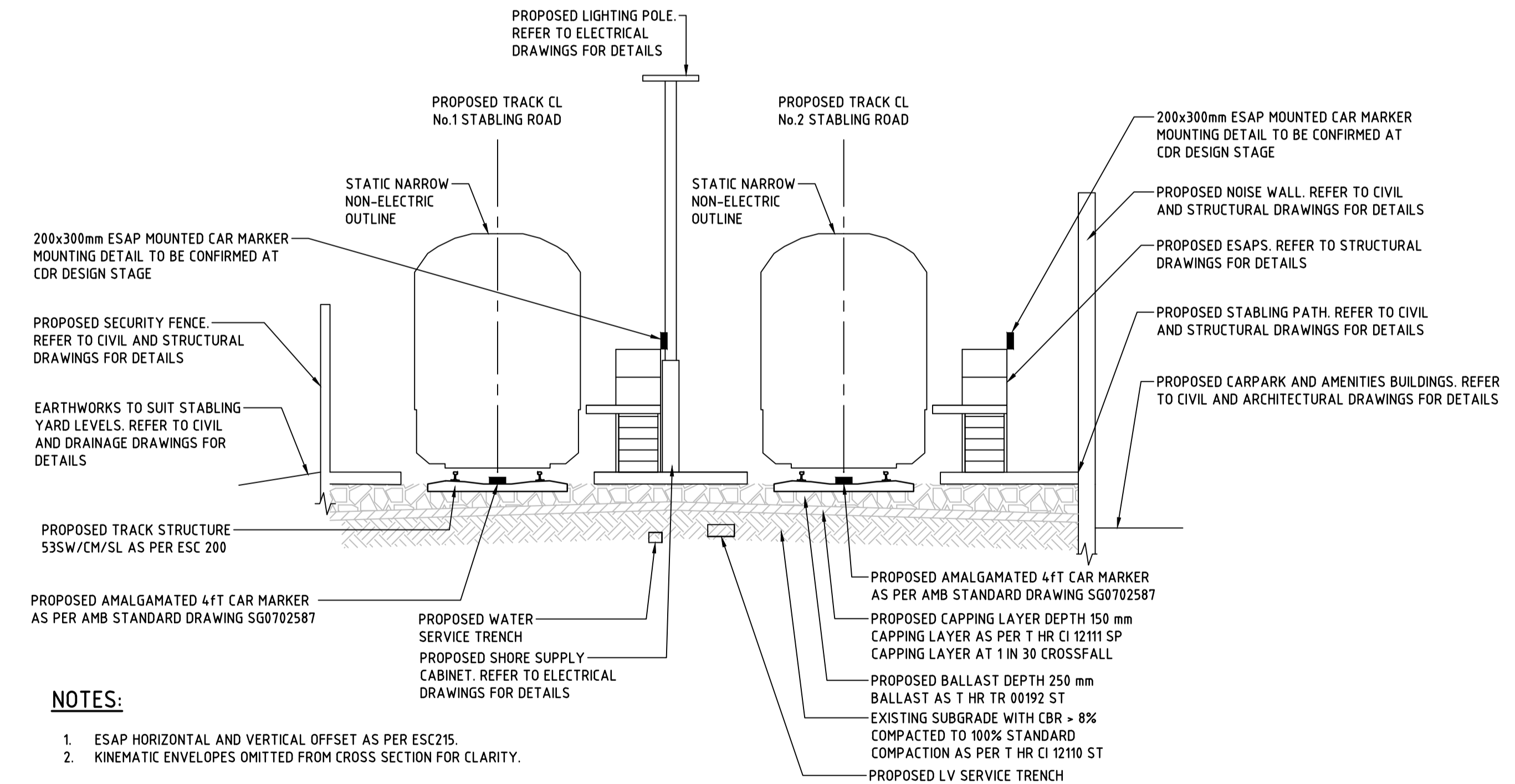
**NOTES:**  
1. KINEMATIC ENVELOPES OMITTED FROM CROSS SECTION FOR CLARITY.

**TYPICAL CROSS SECTION  
TEMPORARY STABLING YARD  
FACING COUNTRY**  
SCALE 1 : 75



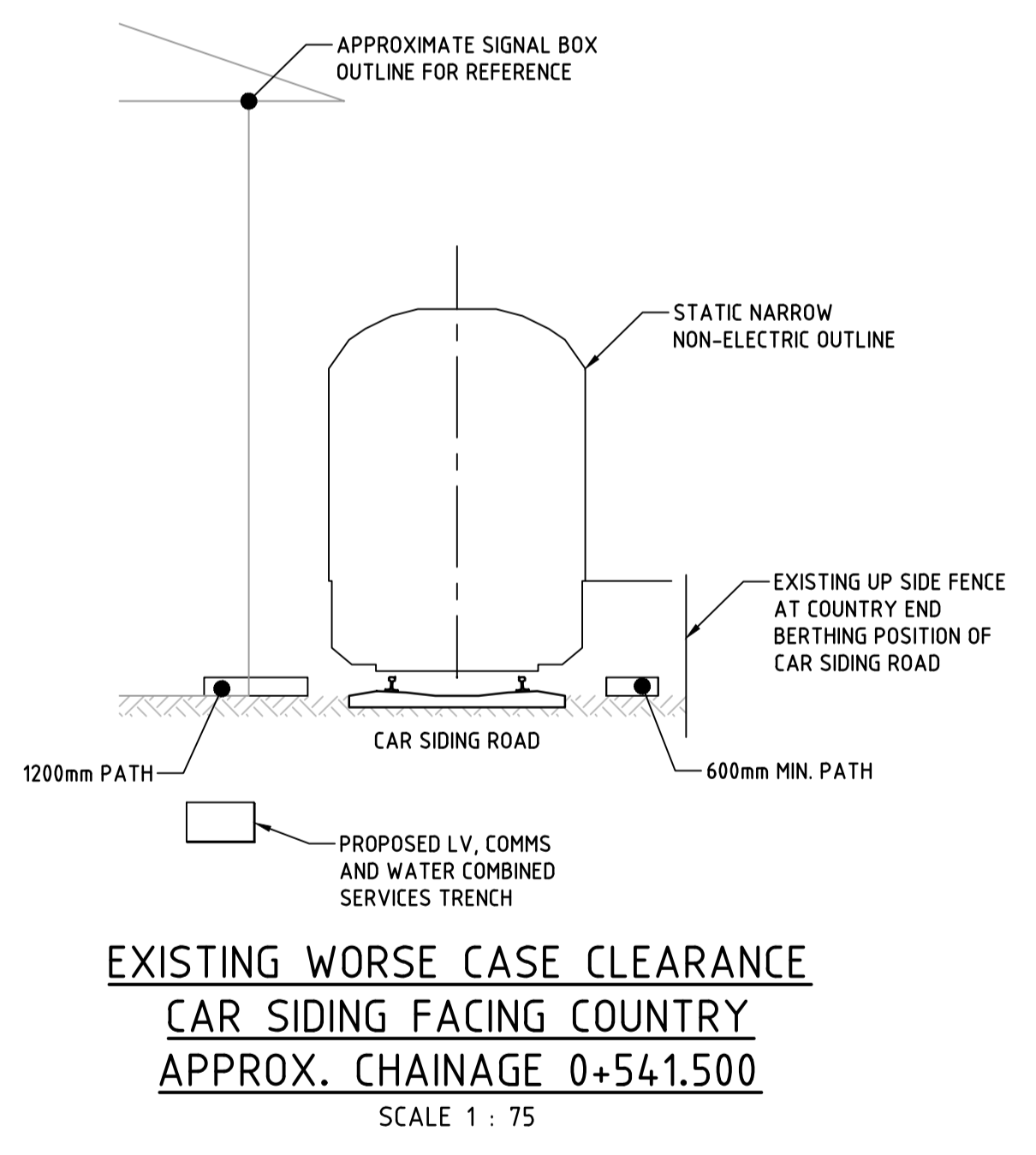
**NOTES:**  
1. ESAP HORIZONTAL AND VERTICAL OFFSET AS PER ESC215.  
2. KINEMATIC ENVELOPES OMITTED FROM CROSS SECTION FOR CLARITY.

**TYPICAL CROSS SECTION  
EXISTING STABLING YARD  
FACING COUNTRY**  
SCALE 1 : 75



**NOTES:**  
1. ESAP HORIZONTAL AND VERTICAL OFFSET AS PER ESC215.  
2. KINEMATIC ENVELOPES OMITTED FROM CROSS SECTION FOR CLARITY.

**TYPICAL CROSS SECTION  
STABLING YARD EXTENSION  
FACING COUNTRY**  
SCALE 1 : 75



**EXISTING WORSE CASE CLEARANCE  
CAR SIDING FACING COUNTRY**  
APPROX. CHAINAGE 0+541.500  
SCALE 1 : 75

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**OFFICIAL FOR REVIEW AND COMMENT**

REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23

CO-ORDINATE SYSTEM: MGA2020      HEIGHT DATUM: A.H.D      SCALE: NTS

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DRAWN	JOVER MOISES	21.08.2023
DESIGNED	ASH ENKESHAFI	21.08.2023
DRG CHECK	GRACE TAI	21.08.2023
DESIGN CHECK	DAWIT SEYOUM	21.08.2023
APPROVED	BEN MORRIS	21.08.2023

SMEC CSR

**MOSS VALE YARD**  
MAIN SOUTH LINE 145.180km TO 145.860km  
TRANSPORT ACCESS PROGRAM 3

SP2 - LONG SECTIONS - SHEET 4

FILE No.	TAP3150505-SMEC-MVL-SR-DRG-002563 1	SHEET: 4 OF 4	A1
STATUS:	PRELIMINARY DESIGN REVIEW		
DRG No.	TAP3150505-SMEC-MVL-SR-DRG-002563	REV A	VER 0

EDMS No.      AMD No.

File: Plotted\TAP3150505-SMEC-MVL-SR-DRG-002563.dwg  
 CADD\CAD\DWG\SP2\CSR\TAP3150505-SMEC-MVL-SR-DRG-002563.dwg  
 Plotted by: AM17609  
 Plot Date & Time: 18/08/2023 4:43 PM

PIT NO.	PIT TYPE	PIT DEPTH (m)	RISER (mm)	PIT SERVICES	LID CLASS	SETOUT EASTING	SETOUT NORTHING
SP-CO-301	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258966.802	6174091.897
SR-CO-201	HALF ABBOT LONG	1.175	1 x 600	COMMUNICATIONS	B	258956.750	6174441.456
SR-CO-202	HALF ABBOT LONG	1.175	1 x 600	COMMUNICATIONS	B	258978.465	6174477.593
SR-CO-203	HALF ABBOT LONG	1.175	1 x 300	COMMUNICATIONS	B	258970.952	6174442.478
SR-CO-204	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	D	258964.786	6174422.059
SR-CO-205	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	D	258961.532	6174411.692
SR-CO-206	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258938.029	6174345.076
SR-CO-207	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258907.842	6174267.464
SR-CO-208	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258897.605	6174244.989
SR-CO-209	HALF ABBOT LONG	1.175	1 x 300 1 x 600	COMMUNICATIONS	B	258891.442	6174225.169
SR-CO-210	HALF ABBOT LONG	1.175	1 x 300 1 x 600	COMMUNICATIONS	B	258891.990	6174219.193
SR-CO-211	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258873.111	6174158.409
SR-CO-212	FULL ABBOT	1.250	1 x 300 1 x 600	COMMUNICATIONS	B	258787.785	6173949.564
SR-CO-213	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258841.832	6174083.171
SR-CO-214	FULL ABBOT	1.250	1 x 300 1 x 600	COMMUNICATIONS	B	258836.595	6174064.809
SR-CO-215	FULL ABBOT	1.250	1 x 300 1 x 600	COMMUNICATIONS	B	258833.001	6174069.090
SR-CO-216	HALF ABBOT LONG	1.175	NONE	COMMUNICATIONS	B	258801.640	6173982.359
SR-EL-201	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258974.677	6174484.457
SR-EL-202	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258977.132	6174481.686
SR-EL-203	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258960.286	6174453.765
SR-EL-204	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258956.515	6174428.414
SR-EL-205	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258960.549	6174410.594
SR-EL-206	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258976.264	6174461.861
SR-EL-207	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258982.319	6174460.037
SR-EL-208	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258976.783	6174441.663
SR-EL-209	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258986.635	6174458.737
SR-EL-210	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258978.671	6174432.276
SR-EL-211	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258974.328	6174417.857
SR-EL-212	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258966.813	6174408.721
SR-EL-213	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258970.477	6174405.084
SR-EL-214	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258982.930	6174446.418
SR-EL-215	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258971.747	6174424.899
SR-EL-216	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258958.268	6174418.911
SR-EL-217	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258969.254	6174438.528

PIT NO.	PIT TYPE	PIT DEPTH (m)	RISER (mm)	PIT SERVICES	LID CLASS	SETOUT EASTING	SETOUT NORTHING
SR-EL-218	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258973.471	6174452.565
SR-EL-219	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258939.256	6174346.073
SR-EL-220	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258944.960	6174343.864
SR-EL-221	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258909.075	6174268.992
SR-EL-222	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258898.389	6174243.339
SR-EL-223	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258890.049	6174224.394
SR-EL-224	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258890.088	6174217.494
SR-EL-225	HALF ABBOT LONG	1.175	1 x 300 1 x 600	ELECTRICAL (LV)	B	258882.005	6174204.883
SR-EL-226	HALF ABBOT LONG	1.175	1 x 300 1 x 600	ELECTRICAL (LV)	B	258884.951	6174204.340
SR-EL-227	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258877.185	6174192.461
SR-EL-228	HALF ABBOT LONG	1.175	1 x 300 1 x 600	ELECTRICAL (LV)	B	258872.046	6174179.016
SR-EL-229	HALF ABBOT LONG	1.175	1 x 300 1 x 600	ELECTRICAL (LV)	B	258874.522	6174177.591
SR-EL-230	HALF ABBOT LONG	1.175	1 x 600	ELECTRICAL (LV)	B	258869.858	6174169.938
SR-EL-231	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258872.751	6174160.275
SR-EL-232	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258842.791	6174084.326
SR-EL-233	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258834.017	6174070.196
SR-EL-234	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258835.512	6174063.541
SR-EL-235	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258807.491	6174001.388
SR-EL-236	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258802.835	6173983.528
SR-EL-237	EIGHTH ABBOT	0.585	NONE	ELECTRICAL (LV)	B	258772.093	6173900.163
SR-EL-238	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	D	258964.948	6174469.276
SR-EL-239	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258963.779	6174420.934
SR-EL-240	FULL ABBOT	1.250	1 x 300 1 x 600	ELECTRICAL (LV)	B	258915.032	6174266.654
SR-EL-301	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258879.989	6174082.013
SR-EL-302	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258885.968	6174088.782
SR-EL-303	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258907.085	6174085.403
SR-EL-304	HALF ABBOT LONG	1.175	1 x 600	ELECTRICAL (LV)	B	258944.751	6174064.135
SR-EL-305	HALF ABBOT LONG	1.175	1 x 600	ELECTRICAL (LV)	B	258957.596	6174082.604
SR-EL-306	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258965.647	6174091.760
SR-EL-307	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258946.429	6174112.201
SR-EL-308	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258950.202	6174115.786
SR-EL-309	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258954.719	6174111.033
SR-EL-310	HALF ABBOT LONG	1.175	NONE	ELECTRICAL (LV)	B	258961.560	6174103.832

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FOR REVIEW AND COMMENT

A	ISSUED FOR PRELIMINARY DESIGN REVIEW	A.E/21.08.23	D.S/21.08.23	B.M/21.08.23
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
CO-ORDINATE SYSTEM: MGA2020		HEIGHT DATUM: A.H.D	SCALE: NTS	



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DRAWN: JOVER MOISES 21.08.2023  
 DESIGNED: ASH ENKESHAFI 21.08.2023  
 DRG CHECK: GRACE TAI 21.08.2023  
 DESIGN CHECK: DAWIT SEYOUM 21.08.2023  
 APPROVED: BEN MORRIS 21.08.2023

Member of the Surbana Jurong Group  
SMEC CSR

**MOSS VALE YARD**  
 MAIN SOUTH LINE 145.180km TO 145.860km  
 TRANSPORT ACCESS PROGRAM 3

SP2 & SP3 - PIT SCHEDULE

FILE No. TAP3150505-SMEC-MVL-SR-DRG-002570_1	SHEET: 1 OF 1	A1
STATUS: PRELIMINARY DESIGN REVIEW		
DRG No. TAP3150505-SMEC-MVL-SR-DRG-002570	REV A	VER 0

EDMS No. AMD No.

File: P:\client\TAP3150505-SMEC-MVL-SR-DRG-002570.dwg  
 Plot Date & Time: 18/08/2023 4:43 PM  
 Plotted by: JMT17609