

# CANBERRA LIGHT RAIL 2A MATERIALS AND FINISHES

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B	REFERENCE DESIGN - WORK IN PROGRESS	HC 20.12.22	SC 20.12.22	JP 20.12.22
A	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
CO-ORDINATE SYSTEM: STROMLO		HEIGHT DATUM: AHD	SCALE: AS SHOWN	



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015



DRAWN: C LANE  
 DESIGNED: H CARLYLE  
 DRG CHECK: A MARTIN  
 DESIGN CHECK: S CALLAGHAN  
 APPROVED: J PETERS

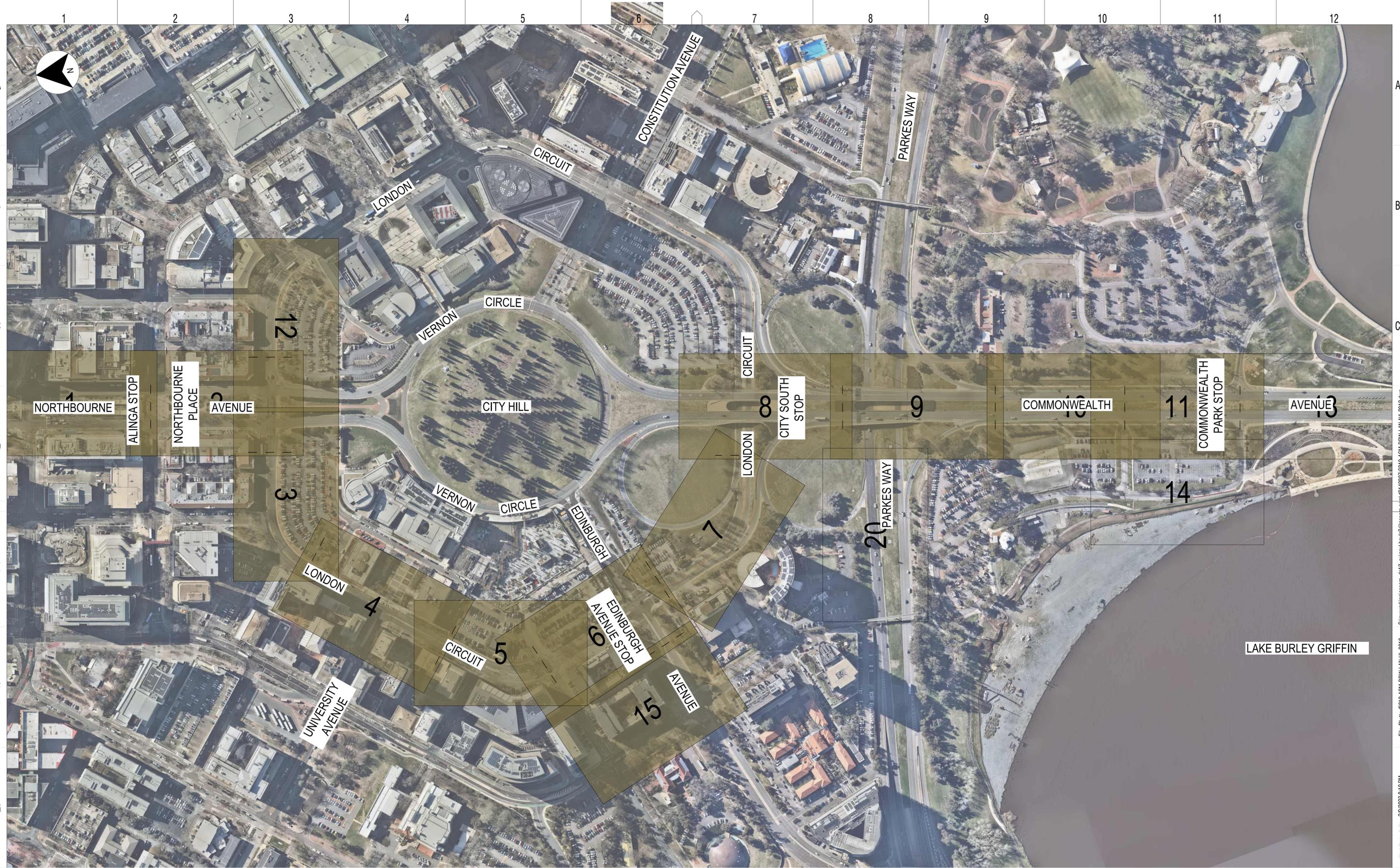
**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE  
 COVER SHEET AND DRAWING INDEX  
 MATERIALS AND FINISHES  
 SHEET 1

DESIGN LOT No: S210-STAGE2A | SHEET: 01 OF 01 | A1  
 STATUS: APPROVALS ISSUE | ©  
 DRG No: S210-ACM-DRW-LAN-NA-0003 | EDMS No. | B

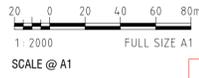
SCALE @ A1

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File: PlottedS210-ACM-DRW-LAN-NA-0003  
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 Plotted by: BOYLEP  
 Date & Time: 2/9/2023 8:08 PM  
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AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO    HEIGHT DATUM: AHD    SCALE: AS SHOWN



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DRAWN: C LANE  
 DESIGNED: H CARLYLE  
 DRG CHECK: H ROSSER  
 DESIGN CHECK: S CALLAGHAN  
 APPROVED: J PETERS

**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE  
 KEY PLAN

SHEET 1

DESIGN LOT No:	S210-STAGE2A	SHEET: 01 OF 01	A1
STATUS:	APPROVALS ISSUE		
DRG No:	S210-ACM-DRW-LAN-NA-0010	EDMS No.	G

File: PlottedS210-ACM-DRW-LAN-HL-0010  
 C:\working\acm\ds12\_aupaul.boyle@aecom.com\0142007\S210-ACM-DRW-LAN-NA-0010.dwg  
 Plot Date & Time: 29/2023 8:10 PM  
 Plotted by: BOYLEP

GENERAL NOTES:

- 1. THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNLESS CLEARLY MARKED AS SUCH
2. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. URBAN DESIGN AND LANDSCAPE DOCUMENTATION IS ONLY TO BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED. UNAUTHORISED USE OF THIS DOCUMENT IS PROHIBITED.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
5. THE CONTRACTOR IS TO CONFIRM THE LOCATION OF ANY UNDERGROUND SERVICES PRIOR TO UNDERTAKING ANY EXCAVATION WORKS.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES AND OBTAINING CLEARANCES AND APPROVALS.
7. THE CONTRACTOR SHALL SET OUT THE WORKS TO THE LINES, LEVELS AND DIMENSIONS SHOWN IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE SUPERINTENDENT, FROM ACT SURVEY OFFICE PERMANENT MARKS AND BENCH MARKS IN THE AREA
8. ALL LEVELS ARE IN METERS TO AHD. CHAINAGE, GEOMETRY AND COORDINATES ARE EXPRESSED IN METERS
9. OTHER PACKAGES PROPOSED DESIGNS ARE SHOWN INDICATIVELY FOR INFORMATION.
10. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK ARE INDICATIVE AND SHALL BE VERIFIED THROUGH IFC DESIGN PROCESSES, AND ON SITE, BEFORE CONSTRUCTION AND FABRICATION COMMENCES. THE LANDSCAPE ARCHITECT'S DRAWINGS SHALL NOT BE SCALED
11. ALL DISTURBED SURFACES SHALL BE REINSTATED TO AT LEAST THEIR PRE-CONSTRUCTION CONDITION, UNLESS NOTED OTHERWISE.
12. SHOULD ANY ABORIGINAL ARTIFACTS BE DISCOVERED IN THE WORK SITE THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION ENVIRONMENT MANAGEMENT PLAN (CEMP) FOR INSTRUCTION ON THEIR TREATMENT
13. CONTRACTOR MUST SUBMIT DOCUMENTED EVIDENCE THAT PROVES THEY HAVE ACHIEVED THE SPECIFIED MINIMUM SOIL VOLUMES FOR EACH AREA. TOTAL SOIL VOLUME MUST MEET MAXIMUM PRACTICAL VOLUMES (EXCEEDING THE MINIMUM) AT ALL TIMES

REFERENCE DESIGN PACKAGES

- 14. FOR GENERAL ALIGNMENT LAYOUT AND CROSS SECTIONS REFER TO PACKAGE 05 - GENERAL ALIGNMENT
15. FOR ALIGNMENT DETAILS REFER TO PACKAGE 10 - CIVIL ALIGNMENT
16. FOR SIGNS AND LINEMARKING DETAILS REFER TO PACKAGE 25 - SIGNALING AND CONTROL SIGNS AND LINEMARKING
17. FOR PAVEMENT DETAILS REFER TO PACKAGE 10 - CIVIL PAVEMENT
18. FOR LIGHTING DETAILS REFER TO PACKAGE 10 - CIVIL LIGHTING
19. FOR DRAINAGE DETAILS REFER TO PACKAGE 20 - FLOODING AND DRAINAGE
20. FOR STRUCTURAL DETAILS REFER TO PACKAGE 55 - BRIDGE AND CIVIL STRUCTURES
21. FOR UTILITIES DETAILS REFER TO PACKAGE 15 - PROPOSED UTILITIES AND PACKAGE
22. FOR TRACK DETAILS REFER TO PACKAGE 35 - TRACK FORM, CSR, AND TRACK ALIGNMENT
23. FOR STOPS ARCHITECTURE REFER TO PACKAGE 40 - ARCHITECTURE

TREE MANAGEMENT & PROTECTION NOTES

PROTECTION OF ALL HARD AND SOFT LANDSCAPE ASSETS ON ROAD RESERVES, STREET VERGES, PUBLIC OPEN SPACES AND UNLEASED TERRITORY LAND ADJACENT TO DEVELOPMENT TO COMPLY WITH THE LANDSCAPE MANAGEMENT AND PROTECTION PLAN TREE MANAGEMENT SCHEDULE - S210-ACM-DRW-LAN-NA-0201-0203 TREE MANAGEMENT PLANS - S210-ACM-DRW-LAN-NA-1001 THROUGH1015

GENERAL:

- 1. TREE PROTECTION TO AS4970-2009.
2. ALL TREES TO BE RETAINED/PROTECTED AS SPECIFIED AND SHOWN ON DRAWINGS. DETAILS FOR TREE ENCLOSURES AS SPECIFIED BELOW.
3. TREES TO BE RETAINED SHALL BE PROTECTED FROM DAMAGE, INCLUDING ABOVE AND BELOW GROUND. PROTECTION MEASURES TO BE PROVIDED BEFORE STARTING THE EARTHWORKS.
4. ALL LANDSCAPE WORKS TO BE UNDERTAKEN IN FULL COMPLIANCE WITH RELEVANT MANAGEMENT PLANS AND TECHNICAL SPECIFICATION

SITE AND EXTENT OF WORKS:

- 5. ALL CONSTRUCTION WORK MUST BE CONTAINED WITHIN THE SITE
6. SITE ACCESS: PROVIDE SITE ACCESS IN ACCORDANCE WITH THE APPROVED LMPP. WARNING SIGNS TO BE LOCATED IN PROMINENT POSITION AT EACH ENTRANCE TO THE SITE, DISPLAY WARNINGS THAT TREES AND PLANTINGS REQUIRE PROTECTION DURING THE CONTRACT. REMOVE ON COMPLETION.

- 7. STORAGE OF CONSTRUCTION MATERIAL: NO CONSTRUCTION MATERIAL TO BE STORED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND. NO CAR PARKING OR EQUIPMENT PARKING PERMITTED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND.
8. NO CONSTRUCTION EQUIPMENT, VEHICLES, SITE SPOIL, STOCKPILES TO BE STORED UNDER EXISTING TREES OR WITHIN PROTECTION FENCES
9. KEEP THE AREA WITHIN THE DRIPLINE OF TREES FREE OF SHEDS AND PATHS, CONSTRUCTION MATERIAL AND DEBRIS. DO NOT PLACE BULK MATERIALS AND HARMFUL MATERIALS WITHIN THE DRIPLINE OF TREES.
10. SITE ACCOMMODATION NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES OR BILL BOARDS TO BE ERECTED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND.
11. FENCING ERECT PROTECTIVE FENCE AT COMMENCEMENT OF WORKS AND REMOVE ON COMPLETION OF CONSTRUCTION AND COMMENCEMENT OF RESTORATION WORKS IN ACCORDANCE WITH THE APPROVED LMPP. PROTECTIVE FENCE:- 1800 HIGH CONTINUOUS MESH FENCE SUPPORTED BY STEEL POSTS WITH CONCRETE BASES IS MANDATORY.

TREE ENCLOSURES

- 12. PROVIDE TEMPORARY PROTECTIVE MESH ENCLOSURES AROUND THE PRIMARY ROOT ZONE CONSISTENT WITH TREE MANAGEMENT PLAN DRAWINGS, AT MINIMUM ENCLOSURES SHOULD BE 12 X TRUNK DIAMETER OF THE TREE @ 1400MM HIGH ABOVE GROUND OR 2.0 METERS BEYOND THE CANOPY DRIP LINE, WHICH EVER IS GREATER.
13. ENCLOSURES SHALL BE ERECTED FOR ALL PROTECTED TREES UNLESS RESTRICTED BY:
13.1. REQUIREMENT FOR ACCESS TO ADJACENT TREES MARKED FOR REMOVAL, TREE ENCLOSURES TO BE ERECTED AFTER TREE REMOVAL.
13.2. WHERE TREES ARE CONFINED BY EXISTING KERBS
13.3. WHERE ADJACENT ROADS, PATHS AND DRIVEWAYS ETC. ARE REQUIRED TO BE KEPT OPEN FOR PEDESTRIAN AND VEHICLE TRAFFIC
14. ENCLOSURES TO BE REGULARLY INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

MESH ENCLOSURES:

- 15. FENCE CONSTRUCTION TO BE STANDARD CONSTRUCTION TEMPORARY FENCING PANELS AT MINIMUM 2.0M HIGH, FENCING TO BE BRACED TO STOP FENCE TIPPING OVER IN WIND.

WORKS WITHIN ENCLOSURES

- 16. MACHINERY MUST ALWAYS STAY ON EXISTING HARDSCAPE OR ROAD SURFACE WITHOUT APPROVAL FROM TCCS URBAN TREES
17. ANY WORKS CONDUCTED INSIDE THE TREE PROTECTION FENCE, TO BE DONE UNDER THE DIRECT SUPERVISION AND OBSERVATION OF A QUALIFIED ARBORIST.

TREE REMOVAL

- 18. IDENTIFY TREES AND SHRUBS FOR REMOVAL BE TAGGING 1000mm ABOVE GROUND LEVEL. IN ACCORDANCE WITH APPROVING AUTHORITY REQUIREMENTS (MIN 14 DAYS TO TCCS & NCA), REMOVAL OF TREES TO MEET REQUIREMENTS OF APPLICABLE ENVIRONMENTAL MANAGEMENT PLANS
19. CLEARING: REMOVE EVERYTHING ON OR ABOVE THE SITE SURFACE, INCLUDING VEGETABLE MATTER AND ORGANIC DEBRIS, SCRUB, TREES AND STUMPS,
20. GRUBBING: GRUB OUT STUMPS AND ROOTS OVER 75 MM DIAMETER TO A MINIMUM DEPTH AS FOLLOWS:
20.1. BELOW SUBGRADE UNDER PAVEMENT, EMBANKMENTS OR PAVING: 500 mm.
20.2. BELOW FINISHED SURFACE IN UNPAVED AREAS: 300 mm.
20.3. BACKFILLING: FILL HOLES REMAINING AFTER GRUBBING WITH SAND MATERIAL TO PREVENT PONDING OF WATER. COMPACT THE MATERIAL TO THE RELATIVE DENSITY OF THE EXISTING ADJACENT GROUND MATERIAL.

WORKS EXECUTION:

- 21. DO NOT PLACE SPOIL FROM EXCAVATIONS AGAINST TREE TRUNKS.
22. PREVENT WIND-BLOWN MATERIALS SUCH AS CEMENT FROM HARMING TREES AND PLANTS.
23. PREVENT DAMAGE TO TREE BARK. DO NOT ATTACH STAYS, GUYS AND SIMILAR MATERIAL TO TREES.
24. ANY PRUNING TO ANY TREES TO BE DONE IN ACCORDANCE WITH AS4373, UNDER THE DIRECT SUPERVISION AND OBSERVATION OF A QUALIFIED ARBORIST.
25. ANY PRUNING TO ROOTS MUST BE CUT CLEANLY WITH A SHARP INSTRUMENT AND NOT PULLED, RIPPED OR TORN OUT PRIOR TO ANY MECHANICAL EXCAVATION. ANY ROOTS AT OR OVER Ø 30MM MAY ONLY BE CUT UNDER THE DIRECT SUPERVISION AND OBSERVATION OF A QUALIFIED ARBORIST. IMMEDIATELY AFTER CUTTING, WATER THE TREE AND APPLY A LIQUID ROOTING HORMONE TO STIMULATE THE GROWTH OF NEW ROOTS
26. EXPOSED SOIL PROFILE WITHIN ANY PRIMARY ROOT ZONE MUST BE COVERED AND

- MAINTAINED MOIST UNTIL BACKFILLED. THIS SHOULD BE DONE USING A 10MM THICK JUTE/HESSIAN MATTING PINNED TO THE GROUND.
27. BACKFILLING: BACKFILL EXCAVATIONS AROUND TREE ROOTS. PLACE THE BACKFILL IN LAYERS OF 300 MM MAXIMUM DEPTH AND COMPACT TO A DRY DENSITY SIMILAR TO THAT OF THE ORIGINAL OR SURROUNDING SOIL. DO NOT BACKFILL AROUND TREE TRUNKS TO A HEIGHT GREATER THAN 200 MM ABOVE THE ORIGINAL GROUND SURFACE. IMMEDIATELY AFTER BACKFILLING, THOROUGHLY WATER THE ROOT ZONE SURROUNDING THE TREE.
28. BACKFILL MATERIAL: MIX PROPORTIONS (TOPSOIL: WELL-ROTTED COMPOSTS) BY VOLUME: 3:1. NEUTRAL PH VALUE. FREE FROM WEED GROWTH AND HARMFUL MATERIALS.
29. COMPACTED GROUND: DO NOT COMPACT THE GROUND OR USE SKID-STEER VEHICLES UNDER THE TREE DRIPLINE. IF COMPACTION OCCURS, GIVE NOTICE.
30. COMPACTION PROTECTION: PROTECT GROUND ADJACENT TO THE TREE DRIPLINE.

LANDSCAPE MAINTENANCE AND RESTORATION

- 31. PROVIDE CONTINUOUS CARE AND MAINTENANCE TO SPECIFIED HORTICULTURAL PRACTICES OF SOFT LANDSCAPE ASSETS ON ROAD RESERVES, STREET VERGES, PUBLIC OPEN SPACE AND UNLEASED TERRITORY LAND ADJACENT TO THE DEVELOPMENT FOR THE DURATION OF THE WORKS (INCLUDING RESTORATION WORKS).
32. CONTRACTOR TO ORGANIZE FORMATIVE PRUNING BY AN ARBORIST TO TREES ONCE INSTALLED, IN ACCORDANCE AND UNDER SUPERVISION WITH TCCS URBAN TREES TO ESTABLISH SHAPE AND FORM TO SUIT THE SIGHTLINES AND LOCAL ENVIRONMENT
33. WATERING: WATER TREES AS NECESSARY, INCLUDING WHERE ROOTS ARE EXPOSED AT AMBIENT TEMPERATURE MORE THAN 35°C.
34. MULCHING: SPREAD 100 MM THICK ORGANIC MULCH TO THE WHOLE OF THE AREA WITHIN THE DRIPLINE OF ALL EXISTING TREES TO REMAIN.

APPLIED FINISHES SCHEDULE

Table with 3 columns: ELEMENT, BASE MATERIAL / SUBSTRATE, APPLIED FINISHES SCHEDULE. Rows include PUBLIC DOMAIN FURNITURE, ANTI-SKATE ELEMENT, KERB INLET, WAP ANTENNA, WAP TURRETS, CONCRETE WALLS, COMMONWEALTH AVENUE FURNITURE.

NOT FOR CONSTRUCTION

Approval table with columns: APPROVALS ISSUE, DESCRIPTION, DESIGNER SIGN./DATE, VERIFIED SIGN./DATE, APPROVED SIGN./DATE. Includes ACT Government logo.

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DRAWN C LANE
DESIGNED H CARLYLE
DRG CHECK H ROSSER
DESIGN CHECK S CALLAGHAN
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A LANDSCAPE GENERAL NOTES

SHEET 1

DESIGN LOT No: S210-STAGE2A SHEET: 01 OF 01 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-LAN-NA-0015 EDMS No. G

SCALE @ A1

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**LEGEND**

**GENERAL**

- EXTENT OF WORKS BOUNDARY
- PROPERTY BOUNDARY
- FUTURE CADASTRAL BOUNDARY
- DA WA BOUNDARY
- CONTROL LINES

**REFERENCES**

- KERB / EDGE OF BITUMEN
- LIGHT RAIL TRACK AND DKE
- FUTURE LIGHT RAIL ALIGNMENT

**DRAINAGE**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY. REFER TO DRAINAGE ENGINEERING DRAWINGS S210-ACM-DRW-CIV-SD.

WSUD PASSIVE IRRIGATION KERB INLET AND SLOTTED PIPE REFER TO DETAIL S210-ACM-DRW-LAN-NA-8250 & 8251

- | EXISTING | NEW |                              |
|----------|-----|------------------------------|
|          |     | CHAMBERED MANHOLE            |
|          |     | STANDARD MANHOLE             |
|          |     | TYPE QS SUMP SINGLE          |
|          |     | TYPE R SUMP SINGLE           |
|          |     | TYPE R SUMP DOUBLE           |
|          |     | TYPE KI SUMP                 |
|          |     | TYPE SB SUMP                 |
|          |     | PLANTATION SUMP SINGLE       |
|          |     | PLANTATION SUMP DOUBLE       |
|          |     | RODDING POINT                |
|          |     | INDICATIVE SWALE/CATCH DRAIN |
|          |     | TRACK DRAIN                  |
|          |     | SUBSOIL DRAIN PIPE           |
|          |     | FLUSHING POINT               |
|          |     | STRIP DRAIN                  |

**UNDER GROUND SERVICES PIT LIDS**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY. REFER TO SERVICES ENGINEERING DRAWINGS S210-WSC-DRW-UTL-GE. & S210-ACM-DRW-UTL-GE.

- PAVER INFILL UTILITY PIT LID (TCCS & DDTs UTILITIES), REFER TO DETAILS S210-ACM-DRW-LAN-NA-8160 & 8161
- STANDARD UTILITY PIT LID (CHECKER PLATE STEEL / CONCRETE) AS SPECIFIED BY RELEVANT AUTHORITY STANDARDS
- CAST IRON UTILITY PIT LID (TRACKFORM, WATER & FLUSH OUT POINTS) AS SPECIFIED BY RELEVANT AUTHORITY STANDARDS
- HIGH PRESSURE GAS CATHODIC PROTECTION 900 AND 900H

**TRAFFIC CONTROL SYSTEMS**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY. REFER TO SIGNALING AND CONTROL - SIGNS AND LINEMARKING S210-ACM-DRW-CIV-LI

- | EXISTING | NEW |                          |
|----------|-----|--------------------------|
|          |     | POST                     |
|          |     | COMBINED USE POST        |
|          |     | MAST ARM                 |
|          |     | TRAFFIC LIGHT CONTROLLER |
|          |     | SPEED/RED LIGHT CAMERA   |
|          |     | CCTV                     |

**SIGNAGE**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY. REFER TO RAIL SYSTEMS DRAWINGS S210-TEH-DRW-RAS REFER TO SIGNS AND LINEMARKING S210-ACM-DRW-CIV-LI REFER TO ARCHITECTURE S210-COX-DRW-ARC-ST

- TRAFFIC SIGNS
- LVR SPEED SIGN
- WAYFINDING

**RAIL SYSTEM INFRASTRUCTURE**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY.

- |  |   |
|--|---|
|  | RAIL SIGNAL (SIGNAL HEAD AND POST), 3.5m HIGH POLE                      |
|  | MOTORISED POINT, INGROUND   |
|  | MANUAL POINT, INGROUND  |
|  | WiFi ACCESS POINT (WAP), 7.0m HIGH POLE                                 |
|  | WAYSIDE CABINET, 1.675m x 0.75m CABINET                                 |
|  | RADIO CABINET, 1.975m x 0.75m CABINET                                   |
|  | MAIN SWITCHBOARD, 1.5m x 0.66m WITH GENERATOR OUTLET ON SIDE OF CABINET |
|  | CCTV CAMERA   |
|  | RADIO POLE (15, 20m) WITH 1.8m x 0.75m CABINET                          |
|  | CSR PIT   |
|  | TURRET  |

**LIGHTING AND ELECTRICAL**

THE BELOW ITEMS ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL ENGINEERING DRAWINGS S210-ACM-DRW-CIV-LT.

- |  |                                      |
|--|--------------------------------------|
|  | LAMP/STREETLIGHT                     |
|  | EXISTING STREET LIGHT TO BE RETAINED |
|  | ELECTRICAL PIT                       |
|  | MINI PILLAR / MICRO PILLAR           |
|  | STREET LIGHTING CONTROL CUBICLE      |

**WALLS**

REFER TO MATERIALS SCHEDULE FOR ADDITIONAL INFORMATION: REFER TO ENGINEERS ALIGNMENT DRAWINGS (S210-ACM-DRW-CIV-LI.) REFER TO STRUCTURAL ENGINEERS DRAWINGS (S210-ACM-DRW-CIV-RE.) REFER S210-ACM-DRW-LAN-NA-8400s SERIES FOR WALL DETAILS

- WAL-111 150mm WIDE IN SITU CONCRETE RETAINING WALL. LOCATION: ALINGA INTERSECTION. REFER DETAIL S210-ACM-DRW-LAN-NA-8400
- WAL-112 200mm WIDE CONCRETE RETAINING WALL LOCATION: THEATRE LANE CAR PARK REFER DETAIL S210-ACM-DRW-LAN-NA-8415
- WAL-130 450mm WIDE IN SITU CONCRETE RETAINING WALL. LOCATION: RBA VERGE REFER DETAIL S210-ACM-DRW-LAN-NA-8410
- WAL-140 250mm WIDE PRECAST CONCRETE RETAINING WALL. LOCATION: NORTHBOURNE PLACE REFER DETAIL S210-ACM-DRW-LAN-NA-8400

**PAVEMENT SURFACES**

REFER TO MATERIALS SCHEDULE S210-ACM-DRW-LAN-NA-0101 THROUGH 0104 FOR ADDITIONAL INFORMATION: REFER TO ENGINEERS ALIGNMENT DRAWINGS (S210-ACM-DRW-CIV-AL.) REFER TO PAVEMENT ENGINEERS DRAWINGS (S210-ACM-DRW-CIV-PA.) REFER S210-ACM-DRW-LAN-NA-8100's SERIES FOR PAVEMENT DETAILS

- |  |  |
|--|--|
|  | P-101 GRANITE PAVING - AUSTRAL BLACK LOCATION: LONDON CIRCUIT PAVEMENT   |
|  | P-101-P GRANITE PAVING - AUSTRAL BLACK LOCATION: LONDON CIRCUIT PAVEMENT KERB RAMPS  |
|  | P-105 GRANITE PAVING - AUSTRAL BLACK LOCATION: CONTINUOUS FOOTPATH TREATMENTS  |
|  | P-106 GRANITE PAVING PAVEMENT LOCATION: TO MATCH EXISTING PAVEMENT AT ALINGA ST STATION  |
|  | P-110 GRANITE PAVING - AUSTRAL 'JUPARANA' LOCATION: COMMONWEALTH AVE PUBLIC REALM  |
|  | P-110-P GRANITE PAVING - AUSTRAL 'JUPARANA' LOCATION: COMMONWEALTH AVE PUBLIC REALM KERB RAMPS   |
|  | P-118 GRANITE PAVING - AUSTRAL 'JUPARANA' P-118A - 800x400x60mm P-118B - 800x300x60mm LOCATION: COMMONWEALTH AVE PUBLIC REALM HEADER COURSE                        |
|  | P-119 GRANITE PAVING - AUSTRAL 'BLACK' P-119A - 800x400x60mm P-119B - 800x300x60mm LOCATION: COMMONWEALTH AVE PUBLIC REALM HEADER COURSE THROUGHOUT PAVEMENT AREAS |
|  | P-130 PERMEABLE PAVING TRIHEX x 80mm (CHARCOAL) LOCATION: LONDON CIRCUIT PUBLIC REALM  |
|  | P-140 BLUESTONE PAVING LOCATION: SYDNEY/MELBOURNE BUILDING VERGE   |
|  | P-140-P BLUESTONE PAVING LOCATION: SYDNEY/MELBOURNE BUILDING VERGE KERB RAMP   |
|  | P-142 BLUESTONE PAVING LOCATION: HEADER COURSE THROUGHOUT SYDNEY/MELBOURNE BUILDING VERGE  |
|  | P-145 LIMESTONE PAVING LOCATION: HEADER COURSE SYDNEY/MELBOURNE BUILDING VERGE   |
|  | P-155 PORPHYRY COBBLE STONE LOCATION: TRACKFORM  |
|  | P-157 PORPHYRY COBBLE STONE LOCATION: TRACKFORM NORTHBOURNE PLACE PEDESTRIAN CROSSINGS   |
|  | P-201 CONCRETE TO MATCH EXISTING LOCATION: NORTHBOURNE AVENUE, KNOWLES PLACE AND ALBERT STREET   |
|  | P-202 IN SITU CONCRETE WITH SAW CUTS TO MATCH EXISTING LOCATION: LONDON CIRCUIT EAST   |

**PAVEMENT SURFACES CONT.**

- |  |   |
|--|---|
|  | P-210 SODA BLAST CONCRETE CYCLE PATH LOCATION: LONDON CCT & COMMONWEALTH AVE CYCLE PATH   |
|  | P-231 CONCRETE VEHICLE RAMP COLOUR: TO MATCH AUSTRAL BLACK LOCATION: HOBART PLACE AND FARREL PLACE.   |
|  | P-410 SEGMENTED BLUESTONE KERB LOCATION: COMMONWEALTH AVENUE INTERSECTIONS  |
|  | P-411 SEGMENTED 'SAMSON WHITE' GRANITE KERB LOCATION: CITY SOUTH STOP INTERSECTION  |
|  | P-416 SEGMENTED 'SAMSON WHITE' GRANITE BLOCK UPSTAND LOCATION: LIGHT RAIL STOPS   |
|  | P-420 CASTELLATED PRE-CAST CONCRETE KERB LOCATION: NORTHBOURNE AVE MEDIAN   |
|  | P-503 GREEN COLOURED SURFACE TREATMENT PAVEMENT: VARIES (CONCRETE OR ASPHALT) LOCATION: CYCLEWAYS   |
|  | P-511 FLEXIBLE POLYURETHANE RUBBER / GRAVEL / POROUS PAVEMENT LOCATION: TREE PIT WITHIN PAVEMENT AREAS  |
|  | P-512 RESIN BONDED AGGREGATE  |
|  | P-590 / P-593 DECO-GRANITE LOCATION: REINSTATEMENT WORKS  |
|  | P-591 WASHED RIVER PEBBLE LOCATION: NORTHBOURNE PLACE PLANTED TRACK   |
|  | P-592 WASHED GRAVEL LOCATION: COMMONWEALTH AVE PARK   |
|  | TACTILE AND GROUND SURFACE INDICATORS. HAZARD P-552 DIRECTIONAL P-553   |
|  | LED TACTILE AND GROUND SURFACE INDICATORS TO BE CONNECTED TO TRAFFIC SIGNALS. HAZARD P-554 LOCATION: TRACK CROSSING AT NORTHBOURNE AVE AND EDINBURGH AVE STOP |

**AMENITY LIGHTING**

- REFER TO MATERIALS SCHEDULE FOR ADDITIONAL INFORMATION: REFER TO ENGINEERS ALIGNMENT DRAWINGS (S210-ACM-DRW-CIV-LI.) REFER S210-ACM-DRW-LAN-NA-8409
- LIT-201 AMENITY STRIP LIGHT
  - LIT-202 TREE UP LIGHT

**FIXTURES**

REFER TO MATERIALS SCHEDULE S210-ACM-DRW-LAN-NA-0101THROUGH 0104) REFER S210-ACM-DRW-LAN-NA-8200's SERIES FOR FURNITURE DETAILS

- |  |   |
|--|---|
|  | FUR-101 BENCH SEAT WITH HALF ARM LOCATION: RLC PUBLIC DOMAIN  |
|  | FUR-102 BENCH SEAT WITH FULL ARMS LOCATION: RLC PUBLIC DOMAIN   |
|  | FUR-112 CUSTOM BENCH SEAT LOCATION: COMMONWEALTH AVE PUBLIC DOMAIN  |
|  | FUR-120 BOLLARD LOCATION: EDINBURGH STOP / ROAD INTERFACE NORTHBOURNE PLACE / TRACK INTERFACE                               |
|  | FUR-124 BOLLARD LOCATION: THEATER LANE CARPARK  |
|  | FUR-123 RETRACTABLE BOLLARD LOCATION: RBA VERGE   |
|  | FUR-140 TREE GRATE LOCATION: PEDESTRIAN PAVEMENT AREAS  |
|  | FUR-150 DRINKING FOUNTAIN LOCATION: PEDESTRIAN PUBLIC DOMAIN  |
|  | FUR-152 DOUBLE UNIT RUBBISH BIN LOCATION: PEDESTRIAN PUBLIC DOMAIN  |
|  | FUR-153 STANDARD SINGLE BIKE RACK LOCATION: PEDESTRIAN PUBLIC DOMAIN  |
|  | FUR-154 FURNITURE (MISCELLANEOUS) DUAL POST CYCLE REST RAIL   |
|  | FUR-158 CUSTOM RUBBISH BIN LOCATION: COMMONWEALTH AVE PUBLIC DOMAIN   |
|  | FUR-161 CUSTOM SINGLE BIKE RACK LOCATION: COMMONWEALTH AVE PUBLIC DOMAIN  |
|  | FEN-101 PEDESTRIAN AND BARRIER FENCE AS SPECIFIED IN ARCHITECTURE PACKAGE LOCATION: EDINBURGH STOP TO MATCH STATION PACKAGE |
|  | HDR-102 PEDESTRIAN HANDRAIL LOCATION: RBA VERGE RAMP AND LONDON CIRCUIT STAIRS OUTSIDE ZOO BAR                              |

**SOFTWORKS - TREES**

REFER TO TREE MANAGEMENT SCHEDULE S210-ACM-DRW-LAN-NA-0201-0203 REFER TO PLANT SCHEDULE S210-ACM-DRW-LAN-NA-0211-0213 REFER S210-ACM-DRW-LAN-NA-8500's SERIES FOR SOFTSCAPE DETAILS

- |  |  |
|--|--|
|  | PROPOSED TREE PLANTING   |
|  | EXISTING TREE TO BE RETAINED AND PROTECTED DURING CONSTRUCTION |
|  | STRUCTURAL ROOT ZONE (SRZ) TREE PROTECTION ZONE (TPZ)          |

**TREE TRENCHES**

- |  |  |
|--|--|
|  | EXTENT OF LINKED TRENCH PROPRIETARY VAULTED SOIL SYSTEM BELOW PAVEMENT |
|  | EXTENT OF STRUCTURAL SOIL ZONE AREAS BELOW PAVEMENT                    |

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A**

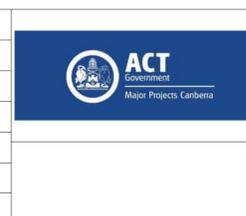
**LANDSCAPE LEGEND**

**SHEET 1**

DESIGN LOT No:	S210-STAGE2A	SHEET: 01 OF 01	A1
STATUS:	APPROVALS ISSUE		©
DRG No.	S210-ACM-DRW-LAN-NA-0022	EDMS No.	B

NO.	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
B	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
A	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD				

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

DRAWN	C LANE
DESIGNED	H CARLYLE
DRG CHECK	H ROSSER
DESIGN CHECK	S CALLAGHAN
APPROVED	J PETERS

**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

SCALE @ A1

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

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Plot Date & Time: 2/29/2023 8:12 PM

Plotted by: BOYLEP

DF 801\*554

	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
<b>PAVEMENTS</b>								
<b>100-SERIES (PAVERS)</b>								
P-101		Australian natural granite paving	Pedestrian Public Domain Footpaths (London Circuit; Alinga/Northbourne Intersection)	Colour: "Austral Black" Black Hill SA Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Three (3) sizes: 800 (L) x 400 (W) x 60 (D) (50% area) 600 (L) x 400 (W) x 60 (D) (25% area) 400 (L) x 400 (W) x 60 (D) (25% area)	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern, mix pavement sizes randomly to suit running bond layout Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	London Cct Pavements (precedent); #1 Constitution Place	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-101-P		Australian natural granite paving	London Circuit & Alinga Stop Kerb Ramps	Colour: "Austral Black" Black Hill SA Finish: Bush hammered, dry sealed to manufacturer's specification Slip Resistance: P5, min. >65 rating to AS4586 requirements. Abrasion Resistance: 91 Light Reflectance Value: To be confirmed by Contractor	800 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	London Cct Pavements (precedent); #1 Constitution Place	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-103		Granite Cobblestone	Edinburgh Avenue median nosing	Colour: "Austral Black" Black Hill SA Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	90 (L) x 90 (W) x 60 (D)	Maximum 10mm grout jointing Square / Stacked Bond Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	London Cct Pavements (precedent); Edinburgh Avenue Median	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-105		Granite Cobblestone	London Cct Driveway Crossovers; Pedestrian Crossings within Roadway (London Cct)	Colour: "Austral Black" Black Hill SA Finish: Exfoliated finish / Sawn Edges to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	90 (L) x 90 (W) x 80 (D)	Maximum 10mm grout jointing Running bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Existing Canberra CBD pavements & driveways (around City Walk)	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-106		Australian natural granite paving (reinstatement)	Alinga Stop Reinstatement Works	Colour: "Austral Black" Black Hill SA Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor Triangle Highlight: "Harcourt White" Granite to match above specification	To match existing pavement works at Alinga Stop, including use of Harcourt White granite highlight	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern	London Cct Pavements (precedent); #1 Constitution Place	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-110		Australian natural granite paving	Commonwealth Avenue Pedestrian Public Domain Pavement banding	Colour: Austral 'Juparana' (NSW) Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	800 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running Bond and linear banding, refer layout and typical details on drawings	Pavement colour referenced from LOD2 documentation. Precedent Example @ Nth Syd CBD	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product sourced from Bruce Rock Quarry by UrbanStone, or approved equivalent.
P-110-P		Australian natural granite paving	Commonwealth Avenue Kerb Ramps	Colour: Austral 'Juparana', or equivalent alternative that achieves min. 80% visual consistency with Juparana paver Finish: Textually alternate finish to Exfoliated Slip Resistance: P5, min. >65 rating to AS4586 requirements. Abrasion Resistance: 91 Light Reflectance Value: To be confirmed by Contractor Additional Requirements: Contractor to nominate paver product and finish, and submit sample for review/acceptance by the Project Superintendent prior to proceeding with the work.	800 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Pavement colour referenced from LOD2 documentation. Precedent Example @ Nth Syd CBD	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product sourced from Bruce Rock Quarry by UrbanStone, or approved equivalent.
P-118		Australian natural granite paving	Commonwealth Avenue Pedestrian Public Domain Header course	Colour: Austral 'Juparana' (NSW) Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	P-118A: 800 (L) x 400 (W) x 60 (D) and P-118B: 800 (L) x 300 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running Bond and linear banding, refer layout and typical details on drawings Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Pavement colour referenced from LOD2 documentation. Precedent Example @ Nth Syd CBD	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product sourced from Bruce Rock Quarry by UrbanStone, or approved equivalent.
P-119		Australian natural granite paving	Pavement Banding within London Cct public domain, separating pedestrian / planting / permeable pavements. Refer layout drawings	Colour: "Austral Black" Black Hill SA Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	P-118A: 800 (L) x 400 (W) x 60 (D) and P-118B: 800 (L) x 300 (W) x 60 (D) as required to suit set-out of works.  *note: Where pavement abuts paving type P-130, paver depth to be extended to 80mm to match depth of P-130	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern, mix pavement sizes randomly to suit running bond layout Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	London Cct Pavements (precedent); #1 Constitution Place	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.

NOT FOR CONSTRUCTION

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 1		
DESIGN LOT No:	S210-STAGE2A	SHEET: 01 OF 08
STATUS:	APPROVALS ISSUE	©
DRG No.	S210-ACM-DRW-LAN-NA-0101	EDMS No.

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015



**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
CO-ORDINATE SYSTEM: STROMLO		HEIGHT DATUM: AHD	SCALE: AS SHOWN	

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

SCALE @ A1

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 Plot Date & Time: 28/03/2023 8:13 PM  
 Plotted by: BOYLEP

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	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
P-130		Ecotrihex Concrete Paver with permeable pavement voids, gravel infill	London Cct & Commonwealth Ave Public Domain (tree alignment)	Colour: Charcoal Finish: Honed to manufacturer's specification Aggregate Mix: Manufacturer's standard mix / specification Gravel Infill: 3mm black screenings to match paver Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Triangular Shape to manufacturer's specification. Min 80mm depth	Trihex Running Bond, refer typical layout details on drawings. Jointing to manufacturer's specification, butt-jointed max 2mm (no grout)	Permeable pavement specification identified for project scope. Trihex pattern referenced from #1 Constitution Ave	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Admri Masonry or approved equivalent.
P-140		Bluestone Paving	Melbourne & Sydney Building pedestrian verges Northbourne Place	Colour: Natural Bluestone Finish: Sawn Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	600 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern, mix pavement sizes randomly to suit running bond layout, refer typical details on drawings	Melbourne & Sydney Bldg verges (existing)	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-140-P		Bluestone Paving	Kerb ramps at Melbourne & Sydney Building pedestrian verges, and Northbourne Place median	Colour: Natural Bluestone Finish: Grit or sand blasted, or approved equivalent Slip Resistance: P5, min. >65 rating to AS4586 requirements. Abrasion Resistance: 91 Light Reflectance Value: To be confirmed by Contractor	600 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout) Running bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Melbourne & Sydney Bldg verges (existing)	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-142		Bluestone Paving (Header Course)	Melbourne & Sydney Building pedestrian verges Northbourne Plaza	Colour: Natural Bluestone Finish: Sawn Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	600 (L) x 400 (W) x 60 (D)	Flush jointing, butt-jointed max 2mm (no grout), Running Bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Melbourne & Sydney Bldg verges (existing)	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-144		Bluestone Cobble	Melbourne and Sydney Laneways	Colour: Natural Bluestone Finish: Sawn, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	90 (L) x 90 (W) x 80 (D)	Maximum 10mm grout jointing Running bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Material: Melbourne & Sydney Bldg verges (existing) Size: Canberra Central Design Manual.	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-145		White Limestone Paving (banding)	Melbourne & Sydney Building Heritage Step Reinstatement	Colour: 'Platina Limestone' Natural colour Finish: Exfoliated, dry sealed to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	600 (L) x 400 (W) x 80 (D)	Flush jointing, butt-jointed max 2mm (no grout), Running Bond pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Melbourne & Sydney Bldg verges (existing)	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-155		Cobblestone (Porphyry)	General Track Form: Northbourne Place London Cct	Colour: Porphyry random colour mix Finish: Split Face / Sawn Edges to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Length varies: Min 100mm, Max 200mm 150 (W) x 55 (D)	5mm grout to engineers detail Staggered coursing Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements. Refer to structural track slab drawings for integration with rail design		Australian, and/or Overseas supplied & manufactured.
P-157		Cobblestone (Porphyry)	Track Form pedestrian crossings @ Alinga Stop; Northbourne Place; Edinburgh Stop	Colour: Italian porphyry random red/brown colour mix or approved equal Finish: Split Face / Sawn Edges to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor Additional Requirements: Max 2mm surface variation between cobbles and on surface finish	90 (L) x 90 (W) x 55 (D)	2-3mm grout to engineers detail Double running bond Pattern Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements. Refer to structural track slab drawings for integration with rail design	N/A	Italian supplied & manufactured or approved equal.

**200-SERIES (CONCRETE)**

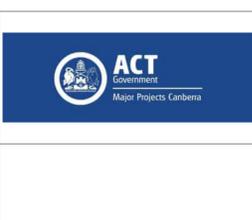
P-201		In situ concrete, pedestrian grade (125mm)	Replacement works to match existing Northbourne Ave (leading to Vernon Circle)	Colour: plain grey Finish: broom finish, no trowelled margins Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Depth varies, refer to pavement engineers drawings for further requirements	3mm wide saw-cut control joints at 3m spacings unless otherwise nominated on the drawings. 10mm wide expansion joints at 9m spacings unless otherwise nominated on the drawings. All jointing exceeding 5mm to be filled with rubber sealant to specification details, colour to match pavement finish	To Canberra City Standards	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
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SCALE @ A1

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

REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD				

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 2

DESIGN LOT No:	S210-STAGE2A	SHEET: 02 OF 08	A1
STATUS:	APPROVALS ISSUE		©
DRG No.	S210-ACM-DRW-LAN-NA-0102	EDMS No.	G

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 Plot Date & Time: 2/8/2023 8:14 PM  
 Plotted by: BOYLEP  
 DF 801\*554

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	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
P-202		In situ concrete, pedestrian grade (125mm) with saw cuts to match existing pavements	Replacement works to match existing London Circuit East	Colour: plain grey Finish: broom finish, no trowelled margins Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	125mm thick Decorative saw cuts to match existing pavement works (London Cct)	3mm wide saw-cut control joints at 3m spacings unless otherwise nominated on the drawings. 10mm wide expansion joints at 9m spacings unless otherwise nominated on the drawings. All jointing exceeding 5mm to be filled with rubber sealant to specification details, colour to match pavement finish	To Canberra City Standards	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
P-210		In situ concrete, pedestrian grade (150mm)	Bikepath & Footpath on Commonwealth Avenue	Colour: CCS "Charcoal" Aggregate: 70% blue metal, 30% white quartz max 10mm Finish: Soda-ash blasted, exposed aggregate finish as specified on the detail drawings Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Depth varies, refer to pavement engineers drawings for further requirements	3mm wide saw-cut control joints at 3m spacings unless otherwise nominated on the drawings. 10mm wide expansion joints at 9m spacings unless otherwise nominated on the drawings. All jointing exceeding 5mm to be filled with rubber sealant to specification details, colour to match pavement finish	Pavement design reference from Constitution Ave	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
P-215		In situ concrete collar to post base, pedestrian grade	Base of Type 7 Post London Circuit and Commonwealth Avenue Intersection Pedestrian Public Domain	Colour: To match adjacent paving (Juparana / Austral Black / Bluestone) as nominated on the landscape finishes plans *Contractor must confirm colour and submit a sample prior to proceeding with the work Finish: To Canberra Design Manual Standard Paving Type 3 Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	400mm Square Refer to alignment drawings for further requirements	All jointing exceeding 5mm to be filled with rubber sealant to specification details, colour to match pavement finish Refer Landscape Details for extents and finishes. Refer civil alignment drawings for further requirements.	Precedent Example @ Alinga Street Light Rail Station	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
P-231		Concrete vehicle ramps	Hobart Place and Farrell Place	Colour: To match Austral Black Granite *Contractor must confirm colour and submit a sample prior to proceeding with the work Finish: To Canberra Design Manual Standard Paving Type 3 Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor	Refer to pavement engineer's drawings.	3mm wide saw-cut control joints at 3m spacings unless otherwise nominated on the drawings. 10mm wide expansion joints at 9m spacings unless otherwise nominated on the drawings. All jointing exceeding 5mm to be filled with rubber sealant to specification details, colour to match pavement finish	N/A	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
<b>400-SERIES (KERBING)</b>								
P-402		In situ concrete kerb with Passive Irrigation Inlet	London Circuit & Commonwealth Ave	Colour: Galvanised Steel, Natural Colour Finish: Standard finish Refer to landscape details, and drainage engineers drawings	Refer to landscape details	Refer to civil drainage drawings	Project specific design outcome	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
P-410		Natural Bluestone Kerb	Commonwealth Ave Intersection Corners	Colour: Natural Bluestone Finish: Sawn Finish to manufacturer's specification Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor Refer to engineers drawings and specification	300 (H) x 300 (W) Refer engineers details *Note: Size varies, refer civil alignment drawings and landscape details for size and location	Refer to civil detail	Constitution Ave	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy As nominated by Contractor
P-411		Natural granite kerb	City South Stop Intersection	Colour: Segmented 'Samson White' Finish: Exfoliated Slip Resistance: P5 to AS4586 requirements Light Reflectance Value: To be confirmed by Contractor Refer to engineers drawings and specification	Typ. Varies (H) x 300 (W) x Max. 1200 (L) Refer to engineers drawings and specification	Refer Landscape Details for set-out, refer civil pavement drawings for structural, supporting slab, and joint requirements	Pavement design reference from Constitution Ave	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy Product by Melocco Stone or approved equal.
P-416		Natural granite hob	Alinga Street Stop, City South Stop, Commonwealth Park Stop	Colour: Segmented 'Samson White' Finish: Exfoliated Refer to engineers drawings and specification	Refer to Architect's drawings	Refer to Architect's drawings	Refer to Architect's drawings	Refer to Architect's drawings.
P-420		Castellated Concrete Kerb (pre-cast unit)	Northbourne Place Median	Colour: To be confirmed Finish: To be confirmed Refer to engineers drawings and specification	1275 (L) x 300 (W) Refer to engineers drawings and specification	Refer to civil alignment drawings	Constitution Ave / Anzac Pde Intersection	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy
<b>500-SERIES (MISCELLANEOUS)</b>								

500-SERIES (MISCELLANEOUS)

SCALE @ A1

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G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD				



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**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 3

DESIGN LOT No:	S210-STAGE2A	SHEET:	03 OF 08	A1
STATUS:	APPROVALS ISSUE			©
DRG No.	S210-ACM-DRW-LAN-NA-0103	EDMS No.		G

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Plotted by: BOYLEP

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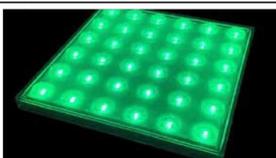
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	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
P-503		On-road approved green coloured surface treatment	Bike lanes with traffic conflict	Refer civil documentation	Refer to layout drawings	Refer to civil linemarking & signage drawings	Aust Roads Standard	Refer to civil linemarking & signage drawings
P-511		Flexible polyurethane rubber and gravel surface / Porous pavement	Tree Pit Surrounds	<b>Colour:</b> Black <b>Material:</b> Rubber / Gravel mix <b>Finish:</b> Trowel finish, refer manufacturer's specification <b>Slip Resistance:</b> P5 to AS4586 requirements <b>Light Reflectance Value:</b> To be confirmed by Contractor	As shown on the drawings	Refer detail drawings	To Canberra City Standards	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. "Root Pave" or approved equivalent
P-512		Bonded aggregate surface	Parkes Way Bridge Trackform, Commonwealth Ave Scissor Crossing & Arrestor Bollards	<b>Colour:</b> Red/ brown/ yellow mix <b>Material:</b> rounded 3mm gravel with resin bound compound <b>Finish:</b> Exposed aggregate finish <b>Product:</b> Omni Grip or approved equivalent	As shown on the drawings	Refer detail drawings	To Canberra City Standards	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. "Omni Grip" or approved equivalent
P-552		TGSI - HAZARD - DISCRETE COMPOSITE MATERIAL	300mm from the base of all Kerb Ramps, Stairs and adjacent to Raised Pedestrian Crossings and flush crossings	<b>Colour:</b> Black or White to meet luminance contrast requirements. Yellow not accepted. <b>Finish:</b> 316 Stainless Steel Rim with High Grade Carborundum Infill <b>Slip Resistance:</b> P5 to AS4586 requirements <b>Light Reflectance Value:</b> To be confirmed by Contractor, min 60% contrast required to AS1428 requirements <b>Additional Requirements:</b> White infill to be used for P-101 paving, black infill to be used for P-110 paving	To manufacturer's specification. Contractor to ensure compliance with AS1428 requirements. Refer to landscape layout drawings and details	Refer landscape drawings and details. Must comply with AS1428 requirements.	Existing installed works	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
P-553		TGSI - DIRECTIONAL - DISCRETE COMPOSITE MATERIAL	All Intersections and access to permanent bus stops	<b>Colour:</b> Black or White to meet luminance contrast requirements. Yellow not accepted. <b>Finish:</b> 316 Stainless Steel Rim with High Grade Carborundum Infill <b>Slip Resistance:</b> P5 to AS4586 requirements <b>Light Reflectance Value:</b> To be confirmed by Contractor, min 60% contrast required to AS1428 requirements <b>Additional Requirements:</b> White infill to be used for P-101 paving, black infill to be used for P-110 paving	To manufacturer's specification. Contractor to ensure compliance with AS1428 requirements. Refer to landscape layout drawings and details	Refer landscape drawings and details. Must comply with AS1428 requirements.	Existing installed works	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
P-554		TGSI - HAZARD - LED TGSI	Track Crossing Northborne Ave and Edinburgh Ave Stop	<b>Model:</b> Vivacity LED Safety Tactiles (TGSI)	To manufacturer's specification. Contractor to ensure compliance with AS1428 requirements. Refer to landscape layout drawings and details	Refer landscape drawings and details. Must comply with AS1428 requirements. Refer to electrical drawings for connection to traffic lights and power supply.	Melbourne CBD / Yarra Trans Precedent	Australian Made & Manufactured. <b>Proprietary Item:</b> LED TGSI design & manufacturer by OMNIGRIP DIRECT, Australia
P-590		Red Gravel	Resinstatement works to Northborne Ave centre median	<b>Colour:</b> Red / Bronze <b>Finish:</b> Compacted & stabilised with loose surface finish	Refer to drawings	Refer detail drawings	To Canberra City Standards	Local Region supplied & manufactured As nominated by Contractor
P-591		Washed River Pebble (mulch application)	Northbourne Place Planted Track	<b>Colour:</b> Earthy/Brown <b>Finish:</b> Compacted & stabilised with loose surface finish	<b>Size:</b> 7mm - 14mm clean screenings <b>Depth:</b> min 75mm depth	Refer detail drawings	To Canberra City Standards	Local Region supplied & manufactured As nominated by Contractor
P-592		Washed gravel	Commonwealth Park Stop arrestor bed	<b>Colour:</b> To match P-512 <b>Finish:</b> Level and screened, loosely placed	<b>Size:</b> 14mm - 20mm size <b>Depth:</b> As indicated on the detail drawings <b>Additional:</b> Size and depth subject to confirmation with rail operations and arrestor bed specification requirements	Refer detail drawings	To Canberra City Standards	Local Region supplied & manufactured As nominated by Contractor

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SCALE @ A1

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

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F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	
CO-ORDINATE SYSTEM: STROMLO		HEIGHT DATUM: AHD	SCALE: AS SHOWN		



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DRAWN A HUANG  
 DESIGNED H CARLYLE  
 DRG CHECK H ROSSER  
 DESIGN CHECK S CALLAGHAN  
 APPROVED J PETERS

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A  
 LANDSCAPE  
 MATERIALS AND FINISHES SCHEDULE**

SHEET 4		DESIGN LOT No: S210-STAGE2A	SHEET: 04 OF 08	A1
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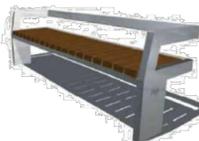
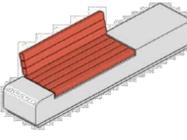
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Plotted by: BOYLEP

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	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
P-593		Yellow Gravel	Reinstatement works to Northbourne Ave centre median	Colour: Yellow / Bronze Finish: Compacted & stabilised with loose surface finish	Refer to drawings	Refer detail drawings	To Canberra City Standards	Local Region supplied & manufactured As nominated by Contractor
<b>EDGING</b>								
		Spade Edge, refer detail	Applied to tree mulch rings within turf (centre medians)	N/A	N/A	Refer Detail Drawings	To Canberra City Standards	N/A
EDG-102		Plain Concrete Edging	Northbourne Ave southern median (Monument)	Colour: Plain Grey Finish: Steel Trowel	To match existing x 150 (D)	In situ linear edging, saw cut edges at max 3m centres, no tooled joints	To Canberra City Standards	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
EDG-103		Timber Edge	Northbourne Place trackform edge	Finish: Natural Timber	25 (W) x 125 (H)			Local Region supplied & manufactured As nominated by Contractor
<b>FURNITURE</b>								
FUR-101		Bench Seat (Half Arms)	RLC Public Domain	Frame: Mild Steel Finish: 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Bronze Pearl' Slats: TCCS Specification / Manufacturer's Standards REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	1800 (L) x 490 (H) x 650 (W) To manufacturer's specification	Refer setout drawings	Canberra Central Design Manual Part C; Detail 3.1.1	Australian Made & Manufactured.  <b>Proprietary Item:</b> Seat design & manufacturer by HUB Street Equipment, Australia Paint finish by Dulux or approved equivalent
FUR-102		Bench Seat (Full Arms)	RLC Public Domain	Frame: Mild Steel Finish: 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Bronze Pearl' Slats: TCCS Specification / Manufacturer's Standards REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	1800 (L) x 490 (H) x 650 (W) To manufacturer's specification	Refer setout drawings	Canberra Central Design Manual Part C; Detail 3.1.2	Australian Made & Manufactured.  <b>Proprietary Item:</b> Seat design & manufacturer by HUB Street Equipment, Australia Paint finish by Dulux or approved equivalent
FUR-112		Custom Bench Seat	Commonwealth Ave Public Domain	Material: Bronze metal, Polished Concrete, Timber battens and/or steel with applied finish Colour: Equivalent to Bronze Metal and/or Eternity Bronze Pearl applied finish, bespoke polished / honed concrete finish, timber with clear seal preservative treatment.	2600 (L) x 600 (W)	Refer landscape layout drawings and details		Australian manufactured, in accordance with ACT sustainable procurement policy
FUR-120		Bollard	Pedestrian public domain	Frame: Mild Steel Finish: 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Eternity Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	100 (W) x 100 (L) x 830 (H) To manufacturer's specification	Refer landscape layout drawings and details	Canberra Central Design Manual Part C; Detail 3.1.3	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy <b>Proprietary Item:</b> Bollard design & manufacturer by HUB Street Equipment, Australia Paint finish by Dulux or approved equivalent
FUR-123		Retractable Bollard	RBA Verge	Sleeve: ERW steel linepip, steel lid/surround Bollard: Grade 304 Stainless steel pip, cast stainless steel lid/surround Finish: Powdercoated Colour: Charcoal	900mm (H)	Refer landscape layout drawings and details		Australian supplied & manufactured, in accordance with ACT sustainable procurement policy <b>Proprietary Item:</b> Ledasecurity Paint finish by Dulux or approved equivalent

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NOT FOR CONSTRUCTION

REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
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**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 5

DESIGN LOT No: S210-STAGE2A | SHEET: 05 OF 08 | A1

STATUS: APPROVALS ISSUE

DRG No: S210-ACM-DRW-LAN-NA-0105 | EDMS No.

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Plotted by: SURMONT

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	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
FUR-124		Bollard	Pedestrian public domain	<b>Frame:</b> 304 Stainless Steel <b>Finish:</b> To Urban Design Manual Requirements <b>Additional:</b> Reflective strip to be applied to the Carpark side of the Bollard.	100 (W) x 100 (L) x 1300 (H)	Refer landscape layout drawings and details	Canberra Central Design Manual Part C; Detail 3.1.3	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy <b>Proprietary Item:</b> Bollard design & manufacturer by HUB Street Equipment, Australia Paint finish by Dulux or approved equivalent
FUR-126		Arrestor Bollard	Commonwealth Park Stop arrestor bed	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Eternity Bronze Pearl'  REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	190(D) x 1000(H)	Refer to Rail Systems Requirements		Australian supplied & manufactured, in accordance with ACT sustainable procurement policy
FUR-140		Tree Grate Duraplat II "Praxis"	Northbourne Place, London Cct	<b>Frame &amp; Finish:</b> Stainless Steel to manufacturer's specification <b>Model:</b> "Praxis"	1500 (L) x 1500 (W)	Refer detail drawings	N/A	Australian Made & Manufactured. <b>Proprietary Item:</b> Manufactured by CityGreen, Australia, or approved equivalent as nominated by the Contractor
FUR-150		Drinking Fountain	As shown on the plans	<b>Finish:</b> 316 Stainless Steel in Brush Finish; <b>Wheelchair Accessible:</b> Yes; <b>Accessory:</b> Dog Bowl and Bottle Refill Tap	550 (L) x 880 (H) x 256 (W) To manufacturer's specification	Refer setout drawings	Existing installed works	Australian Made & Manufactured. <b>Proprietary Item:</b> Manufactured by Draffin Street Furniture, Australia, or approved equivalent as nominated by the Contractor
FUR-152		Rubbish Bin - Double Unit	As shown on the plans	Colour lids to match bin use (yellow / red) 240L bins with applied colour protective coating to frame	240L	Refer setout drawings	To Canberra Central Design Manual Part C; Detail 3.2	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
FUR-153		Standard Single Bike Rack	Pedestrian public domain	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Bronze Pearl'  REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	700 x 1150mm	Refer setout drawings	Canberra Central Design Manual Part C; Detail 3.1.3	Australian Made & Manufactured. <b>Proprietary Item:</b> Bike Rack design & manufacturer by HUB Street Equipment, Australia Paint finish by Dulux or approved equivalent
FUR-154		DUAL POST CYCLE REST RAIL	Parks Way off Ramp	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour to be equivalent to Dulux 90T8356Q, 'Eternity Bronze Pearl'  REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	1400 x 1000mm	Refer landscape layout drawings and details	ACTSD-0525 28/09/18	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy <b>Proprietary Item:</b> Paint finish by Dulux or approved equivalent
FUR-158		Custom Rubbish Bin - Double Unit	Commonwealth Ave Public Domain	<b>Material:</b> Bronze metal, Polished Concrete, Timber battens and/or steel with applied finish <b>Colour:</b> Equivalent to Bronze Metal and/or Eternity Bronze Pearl applied finish, bespoke polished / honed concrete finish, timber with clear seal preservative treatment.	240L	Refer setout drawings	Existing parliamentary triangle works	Australian manufactured, in accordance with ACT sustainable procurement policy
FUR-161		Custom Single Bike Rack	Commonwealth Ave Public Domain	<b>Material:</b> Bronze metal, and/or steel with applied finish <b>Colour:</b> Equivalent to Bronze Metal and/or Eternity Bronze Pearl applied finish	800 x 850mm	Refer setout drawings	Existing parliamentary triangle works	Australian manufactured, in accordance with ACT sustainable procurement policy

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B	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	HC 04.11.22	SC 04.11.22	JP 04.11.22
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
CO-ORDINATE SYSTEM: STROMLO		HEIGHT DATUM: AHD	SCALE: AS SHOWN	



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DRAWN A HUANG  
DESIGNED H CARLYLE  
DRG CHECK H ROSSER  
DESIGN CHECK S CALLAGHAN  
APPROVED J PETERS

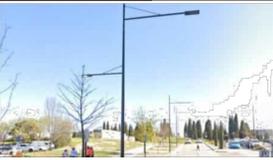
NOT FOR CONSTRUCTION

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 6

DESIGN LOT No:	S210-STAGE2A	SHEET: 06 OF 08	A1
STATUS:	APPROVALS ISSUE		
DRG No.	S210-ACM-DRW-LAN-NA-0106	EDMS No.	

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 Plotted by: SURMONT

	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
FUR-195		Anti-Skate Device	Concrete Walls WALL -112	Finish: 316 Marine grade stainless steel, lished finish	216mm length; 12mm thickness; min 40mm depth. Min 12mm round to all exposed edges Note: Width to extend beyond full width of wall	Refer to landscape details	Constitution Ave	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
FUR-196		Strip Drain	London Circuit and Commonwealth Avenue Bridge	Finish: 304 grade stainless steel to verges 316 grade stainless steel to bridge deck Model: Type 643D/644D Stainless 5 Star Heelsafe® Anti-Slip Load Class C	100-200mm wide, refer to drainage and bridge drawings. Length to be measured on site.	Refer landscape layout drawings and details	Existing 31 to 39 London Circuit	Australian supplied & manufactured <b>Proprietary Item:</b> Strip Drain design & manufacturer by ACO Group, Australian, or approved equivalent as nominated by the Contractor
FUR-197		Strip Drain	Green Track & Trackform	Finish: ductile iron Model: Type 476D Iron Intercept Heelsafe® Anti-Slip grate	175-200mm wide, refer to drainage drawings. Length to be measured on site.	Refer landscape layout drawings and details	Existing 31 to 39 London Circuit	Australian supplied & manufactured <b>Proprietary Item:</b> Strip Drain design & manufacturer by ACO Group, Australian, or approved equivalent as nominated by the Contractor
<b>BALUSTRADES AND HANDRAILS</b>								
HDR-102		Mild Steel Handrail	London Circuit Stairs outside Zoo Bar RBA Verge Ramp	Frame: Mild Steel Finish: 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour: Equivalent to Dulux 90T8356Q 'Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	Tubular to AS1428 Requirements	Refer landscape layout drawings and details	National Library	Australian supplied & manufactured, in accordance with ACT sustainable procurement policy. As nominated by Contractor
<b>WALLS</b>								
WAL-111		In situ concrete retaining wall	Northbourne Place	Colour: Plain Grey, Concrete Finish Finish: Class 2 to AS3610 Refer detail drawings	150mm wide , refer detail drawings	Refer Design Drawings	To Canberra City Standards	Wall: As nominated by Contractor
WAL-112		In situ concrete wall	London Circuit East, Car Park Wall	Colour: Plain Grey, Concrete Finish Finish: Class 2 to AS3610 Refer detail drawings	200mm Width Refer landscape detail drawings; and structural engineers drawings	Refer landscape layout drawings; and civil alignment drawings	N/A	Locally supplied & manufactured, in accordance with ACT sustainable procurement policy Wall: As nominated by Contractor <b>Anti-skate Proprietary Item:</b> As nominated by Contractor
WAL-130		In situ tapered concrete retaining wall	RBA verge	Colour: Plain Grey, Concrete Finish Finish: Class 2 to AS3610 Refer detail drawings	450mm wide top 300mm wide base, refer detail drawings	Refer Design Drawings	To Canberra City Standards	Wall: As nominated by Contractor
WAL-140		Precast Concrete retaining wall	Northbourne Place	Colour: White Quartz Aggregate Finish: Honed Refer detail drawings	250mm wide , refer detail drawings	Pre-cast with bespoke jointing. Refer design details	To Canberra City Standards	Wall: As nominated by Contractor
<b>LIGHTING / ELECTRICAL</b>								
LIT-101		Light Pole Type 1 10.5 Bronze anodised tapered Vicipole column	Commonwealth Ave Refer Design Drawings	Frame: Mild Steel Finish: 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. Colour: Equivalent to Dulux 90T8356Q 'Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	10.5m - 12m	Refer Electrical Design Drawings	Stage 1 Light Rail Works	Refer to Electrical Drawings for light pole specifications and requirements Paint finish by Dulux or approved equivalent

NOT FOR CONSTRUCTION

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 7		
DESIGN LOT No:	S210-STAGE2A	SHEET: 07 OF 08
STATUS:	APPROVALS ISSUE	©
DRG No.	S210-ACM-DRW-LAN-NA-0107	EDMS No.

C	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	HC 04.11.22	SC 04.11.22	JP 04.11.22
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
CO-ORDINATE SYSTEM: STROMLO		HEIGHT DATUM: AHD	SCALE: AS SHOWN	

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**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

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Plotted by: BOYLEP  
DF 801\*554

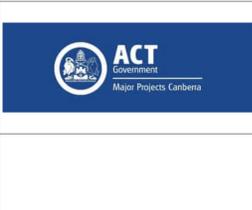
	Image	Description	Location 2A	Colour / Finish	Size (mm)	Arrangement / Jointing	Design Reference	Supplier / Manufacturer
LIT-102		Light Pole Type 2 Fyrim Multipole	London Cct Refer Design Drawings	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. <b>Colour:</b> Equivalent to Dulux 90T8356Q 'Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	10.5m - 12m	Refer Electrical Design Drawings	Stage 1 Light Rail Works	Refer to Electrical Drawings for light pole specifications and requirements  Paint finish by Dulux or approved equivalent
LIT-110		Pole Top Luminaire (Pedestrian) We-ef VFL530SE, 48W luminaire on 1.5m outreach arm	Commonwealth Ave & London Cct Refer Design Drawings	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. <b>Colour:</b> Equivalent to Dulux 90T8356Q 'Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	1.5m outreach arm	Refer Electrical Design Drawings	Stage 1 Light Rail Works	Refer to Electrical Drawings for luminaire specifications and requirements  Paint finish by Dulux or approved equivalent
LIT-111		Pole Top Luminaire (Vehicle) We-ef VFL540SE, 144W luminaire on 3m outreach arm	Commonwealth Ave & London Cct Refer Design Drawings	<b>Frame:</b> Mild Steel <b>Finish:</b> 3x Paint System as specified on the drawing details with Dulux 'Quantaum V90' top coat or approved equivalent. <b>Colour:</b> Equivalent to Dulux 90T8356Q 'Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL	4.5m outreach arm	Refer Electrical Design Drawings	Stage 1 Light Rail Works	Refer to Electrical Drawings for luminaire specifications and requirements  Paint finish by Dulux or approved equivalent
LIT-201		Linear marker light, recessed in ground	Northbourne Place pedestrian median paths	<b>Description:</b> 304 Stainless steel housing with IK10 opal tempered glass lens <b>Colour Temperature:</b> TBC <b>Optics:</b> LL - 120° even illumination	30mm Wide x Varied Length	NA	National Portrait Gallery - ACT	Refer to Electrical Drawings for luminaire specifications and requirements  Step Up Slim: Continuous Linear Marker by Filix or approved equivalent.
LIT-202		LED surface mounted Tree uplights	Uplighting to Trees in Northbourne Place	<b>Description:</b> IP66, Class I, IK07. Marine-grade, die-cast aluminium alloy with safety glass lens <b>Colour:</b> RAL9004 Signal black <b>Colour Temperature:</b> TBC	145mm DIA.	2x Uplight per tree	Northbourne Avenue verge trees	Refer to Electrical Drawings for luminaire specifications and requirements  We-ef FLC131 LED or approved equivalent.
		WAP cover and WAP Antenna	Throughout Trackform	<b>Finish:</b> Refer to applied finishes schedule. Ensure neat cabling, unlike photo. <b>Cover Colour:</b> Equivalent to Dulux 90T8356Q 'Eternity Bronze Pearl' <b>Antenna Colour:</b> Non Metallic Paint to Match 'Eternity Bronze Pearl' REFER TO APPLIED FINISHES SCHEDULE FOR FURTHER DETAIL		Refer Landscape Drawings  Ensure cabling is presented in a neat ordered manner and its not protruding from the pole	Stage 1 Light Rail Works	Cisco or approved equivalent.
		Radio Antenna	London Circuit approaching intersection with Commonwealth Avenue	Natural Finish		Refer Landscape Drawings	Stage 1 Light Rail Works	VICPOLE Streetscape Solutions or approved equivalent.

NOT FOR CONSTRUCTION

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES SCHEDULE

SHEET 8	DESIGN LOT No: S210-STAGE2A	SHEET: 08 OF 08	A1
STATUS: APPROVALS ISSUE	DRG No. S210-ACM-DRW-LAN-NA-0108	EDMS No.	C

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
C	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23	
B	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
A	CO-ORDINATION SET - WORK IN PROGRESS	HC 04.11.22	SC 04.11.22	JP 04.11.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

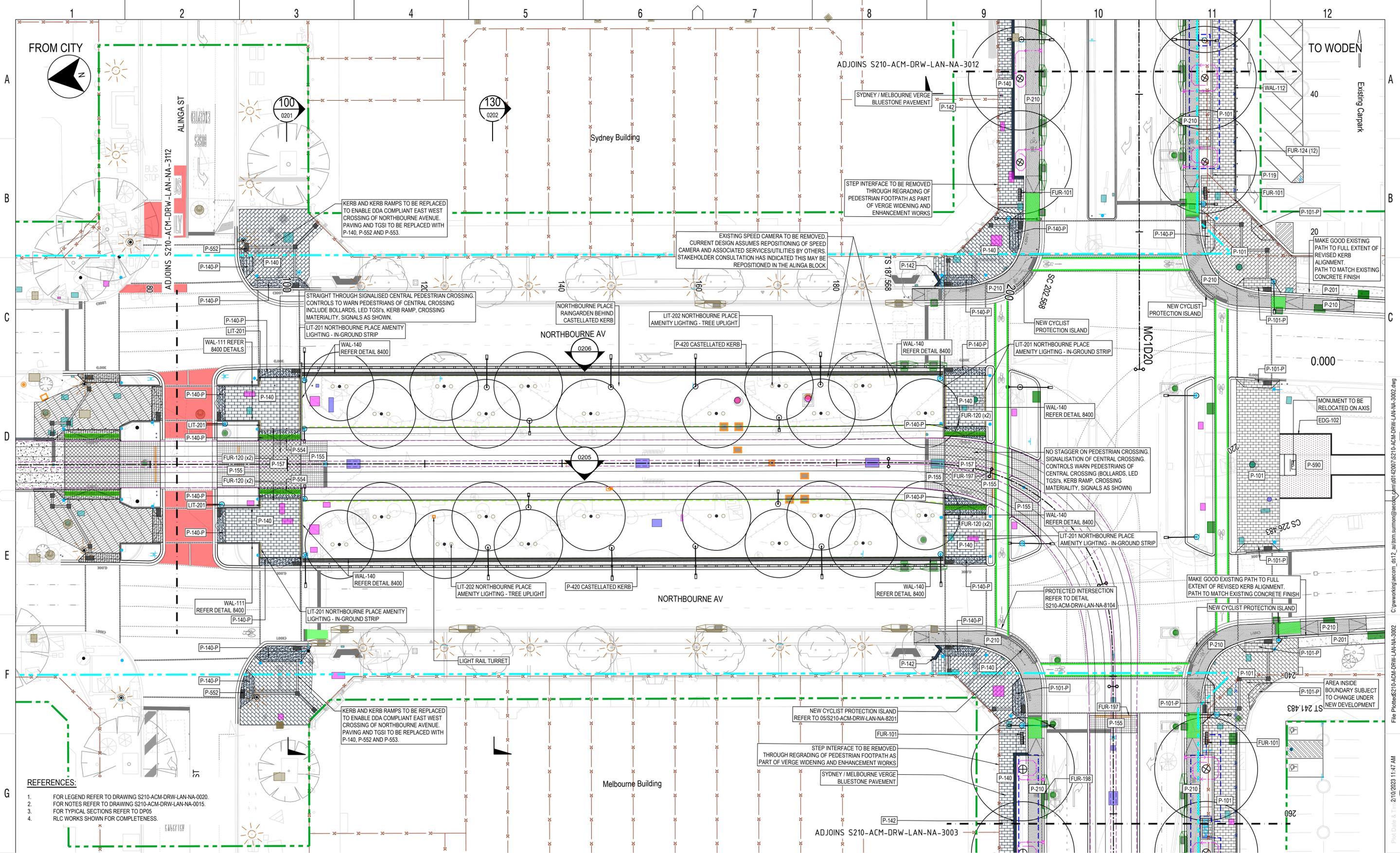
**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: A HUANG  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

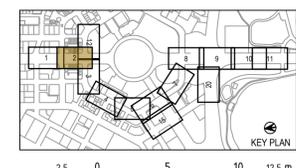
SCALE @ A1

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



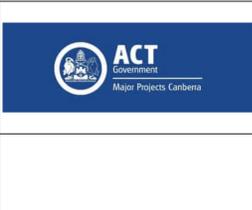


- REFERENCES:**
1. FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  2. FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  3. FOR TYPICAL SECTIONS REFER TO DP05.
  4. RLC WORKS SHOWN FOR COMPLETENESS.



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

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23	
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



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**AECOM**  
AECOM Australia Pty Ltd  
A.B.N. 20 093 846 925

DRAWN: C LANE  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
**MATERIALS AND FINISHES**  
LONDON CIRCUIT / NORTHBOURNE AVENUE  
SHEET 2

DESIGN LOT No: S210-STAGE2A | SHEET: 02 OF 13 | A1  
STATUS: APPROVALS ISSUE  
DRG No: S210-ACM-DRW-LAN-NA-3002 | EDMS No. G

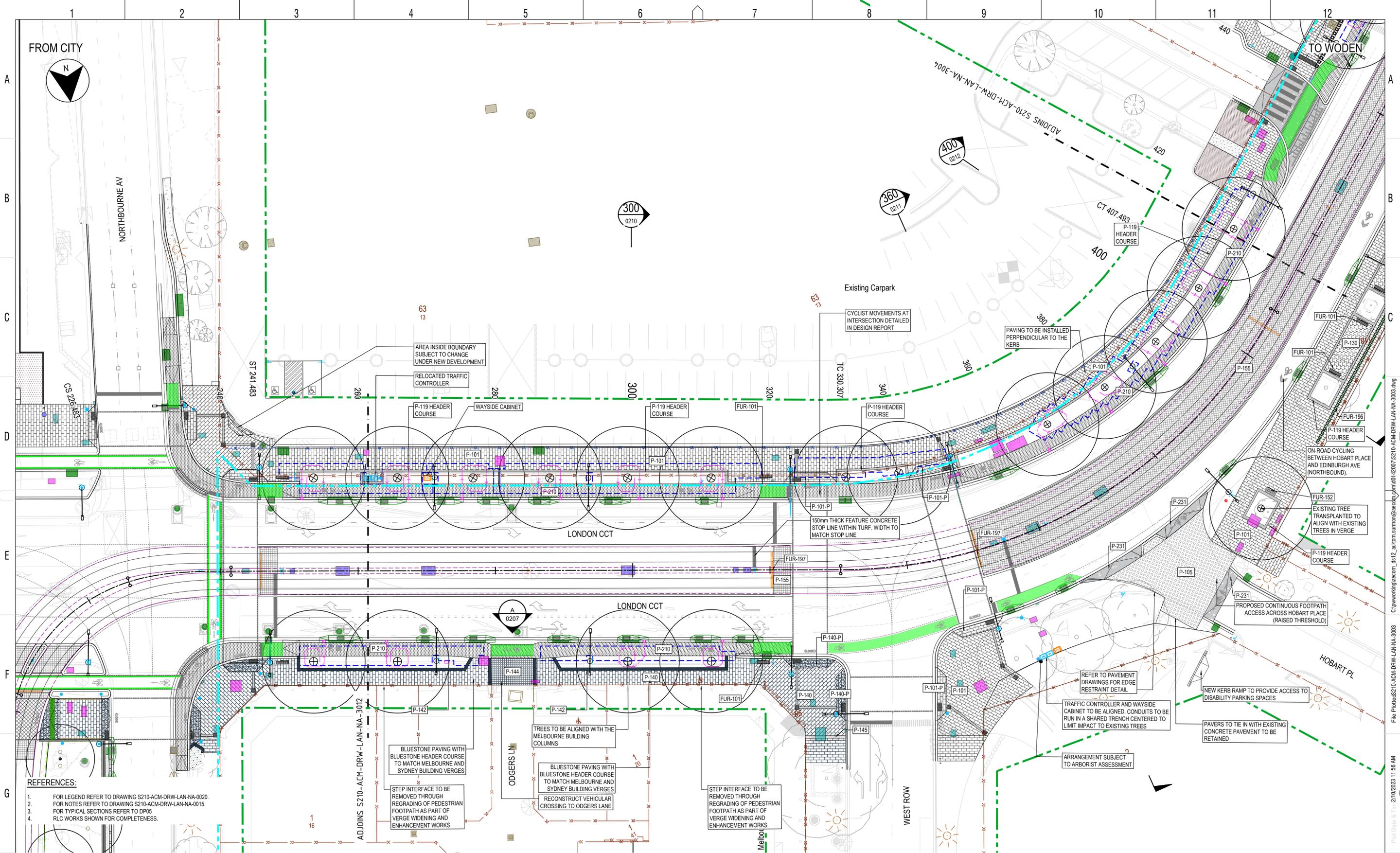
NOT FOR CONSTRUCTION

Plot Date & Time: 2/10/2023 11:47 AM  
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C:\working\acm\...\_ds12\_aulom.summon@act.gov.au\01\2007\S210-ACM-DRW-LAN-NA-3002.dwg  
Plotted by: SURMONT



FROM CITY

TO WODEN



- REFERENCES:**
1. FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  2. FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  3. FOR TYPICAL SECTIONS REFER TO DP05.
  4. RLC WORKS SHOWN FOR COMPLETENESS.



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

NO.	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD				

CO-ORDINATE SYSTEM: STROMLO    HEIGHT DATUM: AHD    SCALE: AS SHOWN



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015



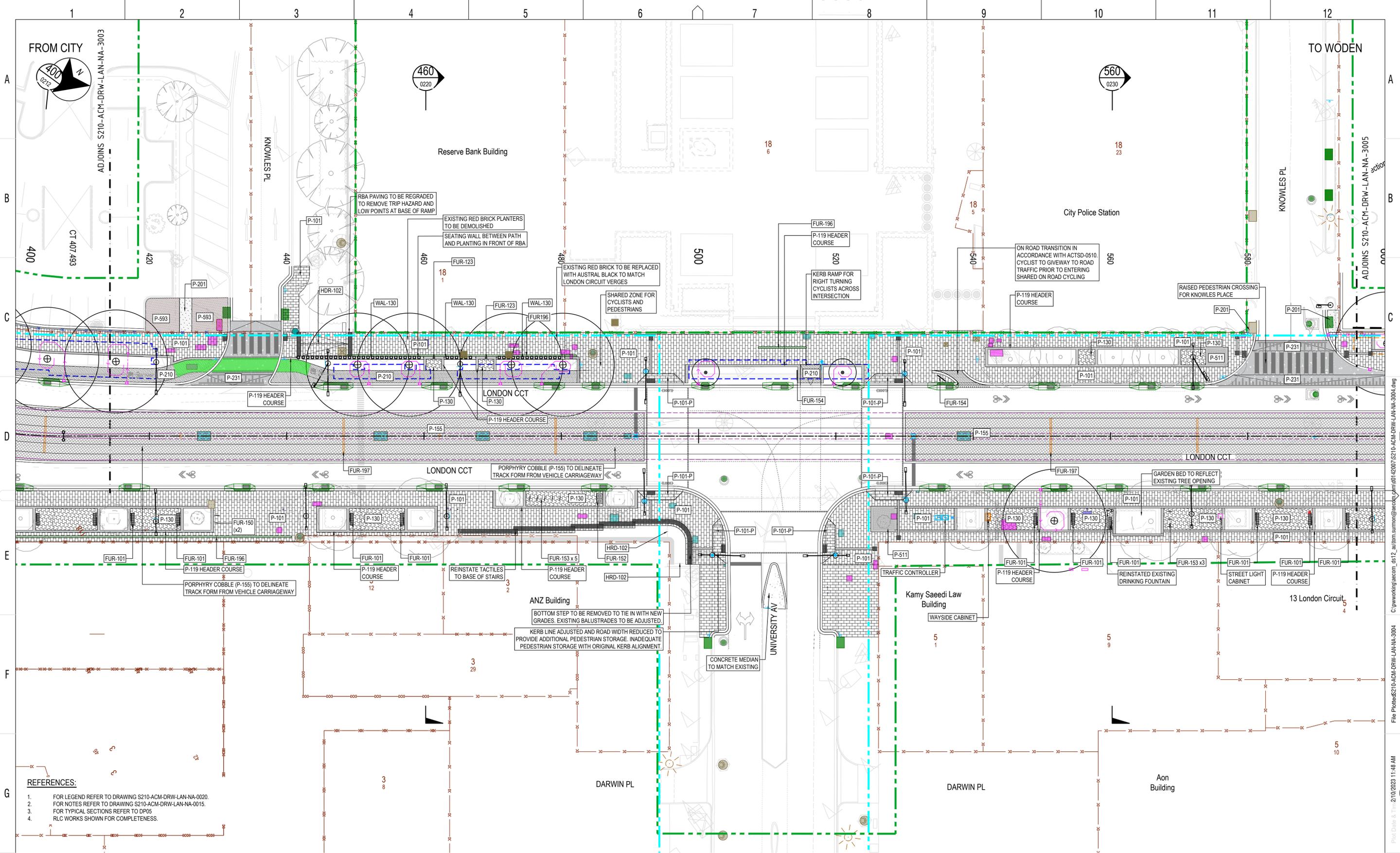
DRAWN: C LANE  
 DESIGNED: H CARLYLE  
 DRG CHECK: H ROSSER  
 DESIGN CHECK: S CALLAGHAN  
 APPROVED: J PETERS

**NOT FOR CONSTRUCTION**

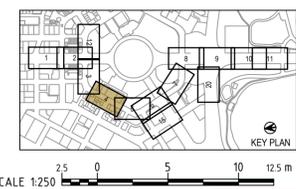
**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE MATERIALS AND FINISHES  
 LONDON CIRCUIT / WEST ROW  
 SHEET 3

DESIGN LOT No: S210-STAGE2A | SHEET: 03 OF 13 | A1  
 STATUS: APPROVALS ISSUE  
 DRG No: S210-ACM-DRW-LAN-NA-3003 | EDMS No. G

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 Plotted by: SURMONT  
 DF 801\*554



- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



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

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23		
APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22		
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



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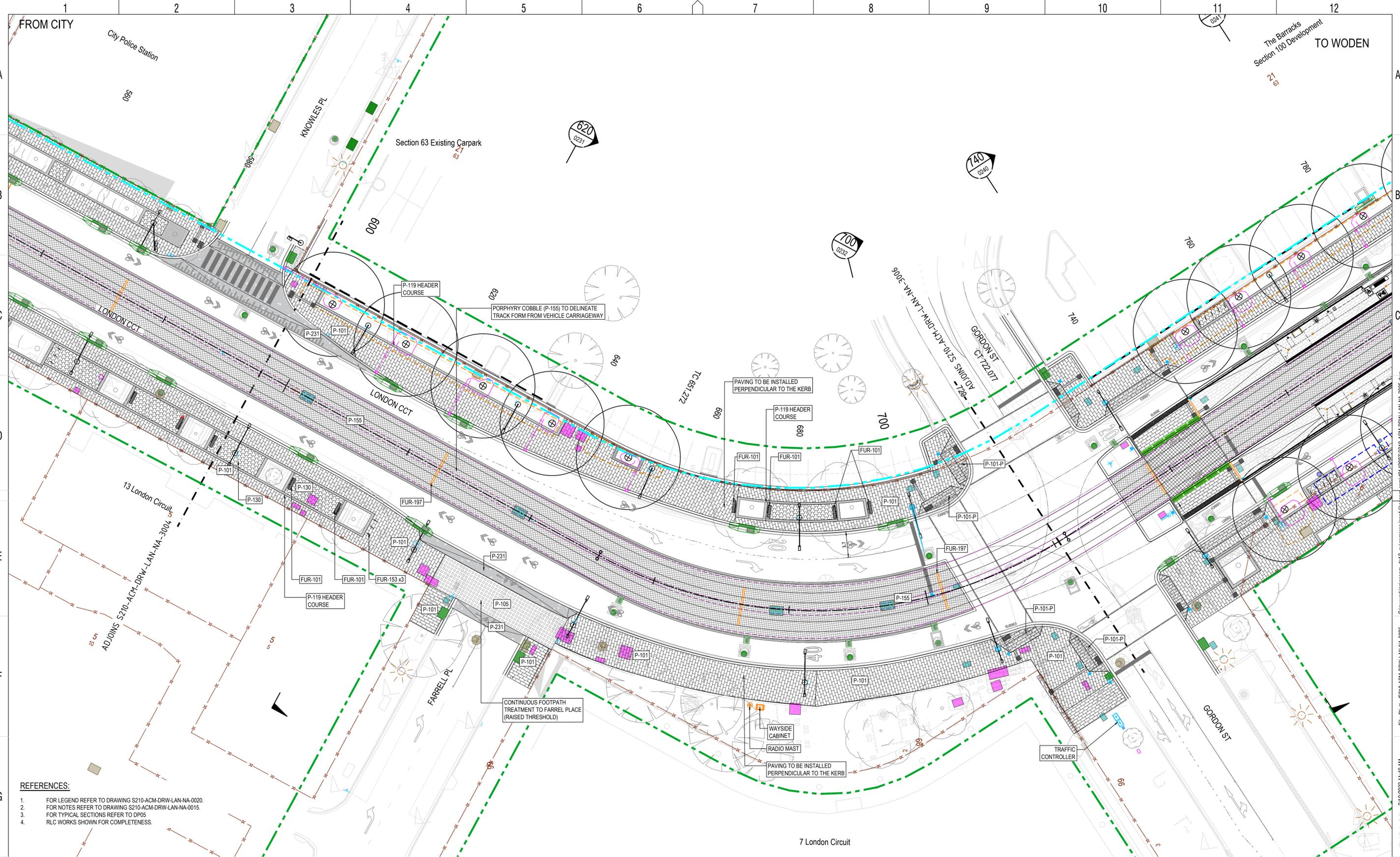
DRAWN C LANE  
 DESIGNED H CARLYLE  
 DRG CHECK H ROSSER  
 DESIGN CHECK S CALLAGHAN  
 APPROVED J PETERS

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE  
**MATERIALS AND FINISHES**  
 LONDON CIRCUIT / UNIVERSITY AVENUE  
 SHEET 4

DESIGN LOT No: S210-STAGE2A | SHEET: 04 OF 13 | A1  
 STATUS: APPROVALS ISSUE  
 DRG No. S210-ACM-DRW-LAN-NA-3004 | EDMS No. G

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 Plot Date & Time: 2/10/2023 11:49 AM  
 Plotted by: SURMONT  
 DF 801\*554



- REFERENCES:**
1. FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  2. FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  3. FOR TYPICAL SECTIONS REFER TO DP05.
  4. RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

**NOT FOR CONSTRUCTION**

REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
AMD				

CO-ORDINATE SYSTEM: STROMLO    HEIGHT DATUM: AHD    SCALE: AS SHOWN



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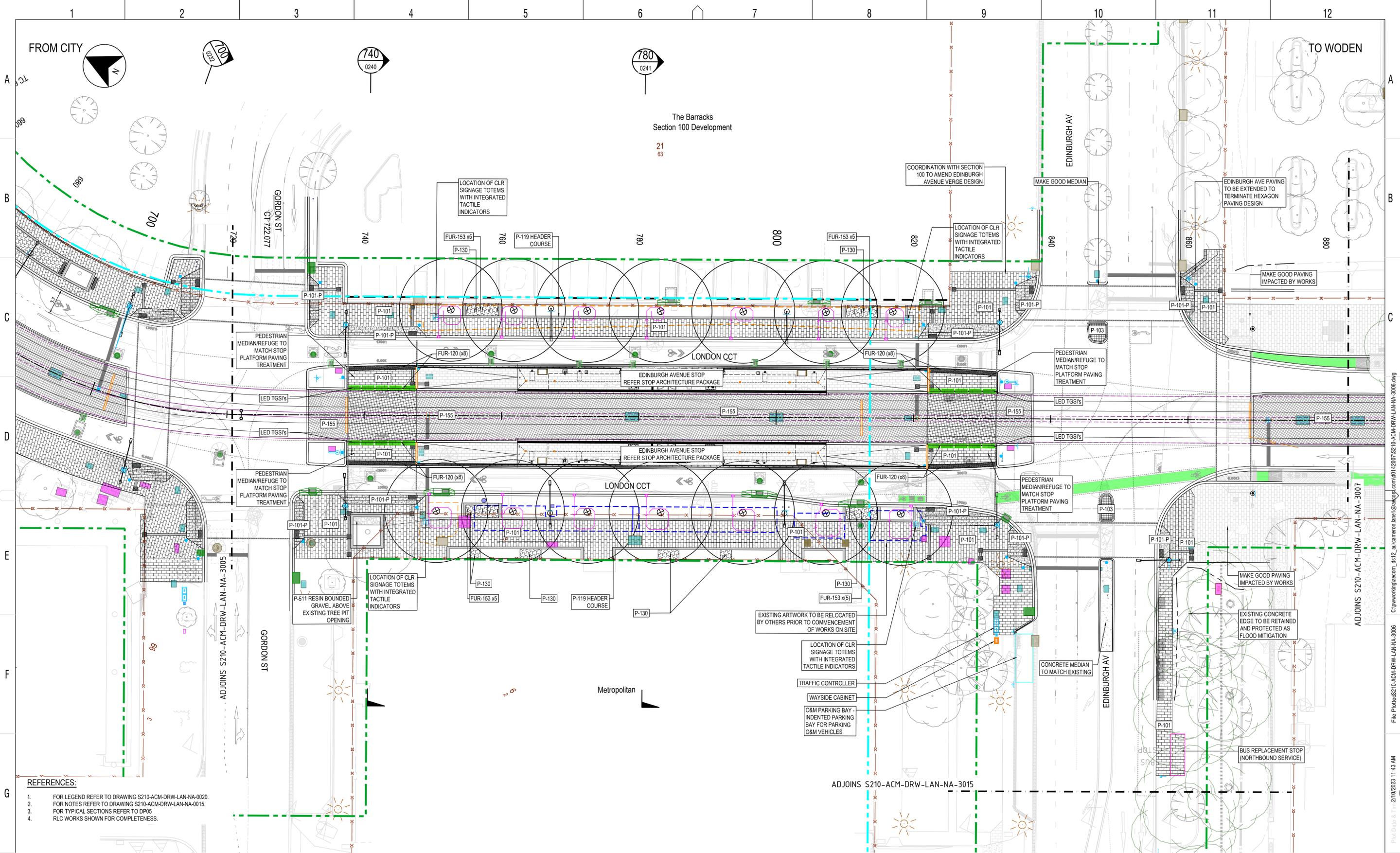


DRAWN: C LANE  
DESIGNED: H CARLYLE  
DRG CHECK: H ROSSER  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
**MATERIALS AND FINISHES**  
LONDON CIRCUIT / GORDON STREET  
SHEET 5

DESIGN LOT No: S210-STAGE2A | SHEET: 05 OF 13 | A1  
STATUS: APPROVALS ISSUE  
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 Plot Date & Time: 2/10/2023 11:49 AM  
 Plotted by: CAMERON.LANE



TO WODEN

The Barracks  
Section 100 Development

21  
63



SCALE 1:250  
SCALE @ A1

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

- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
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F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



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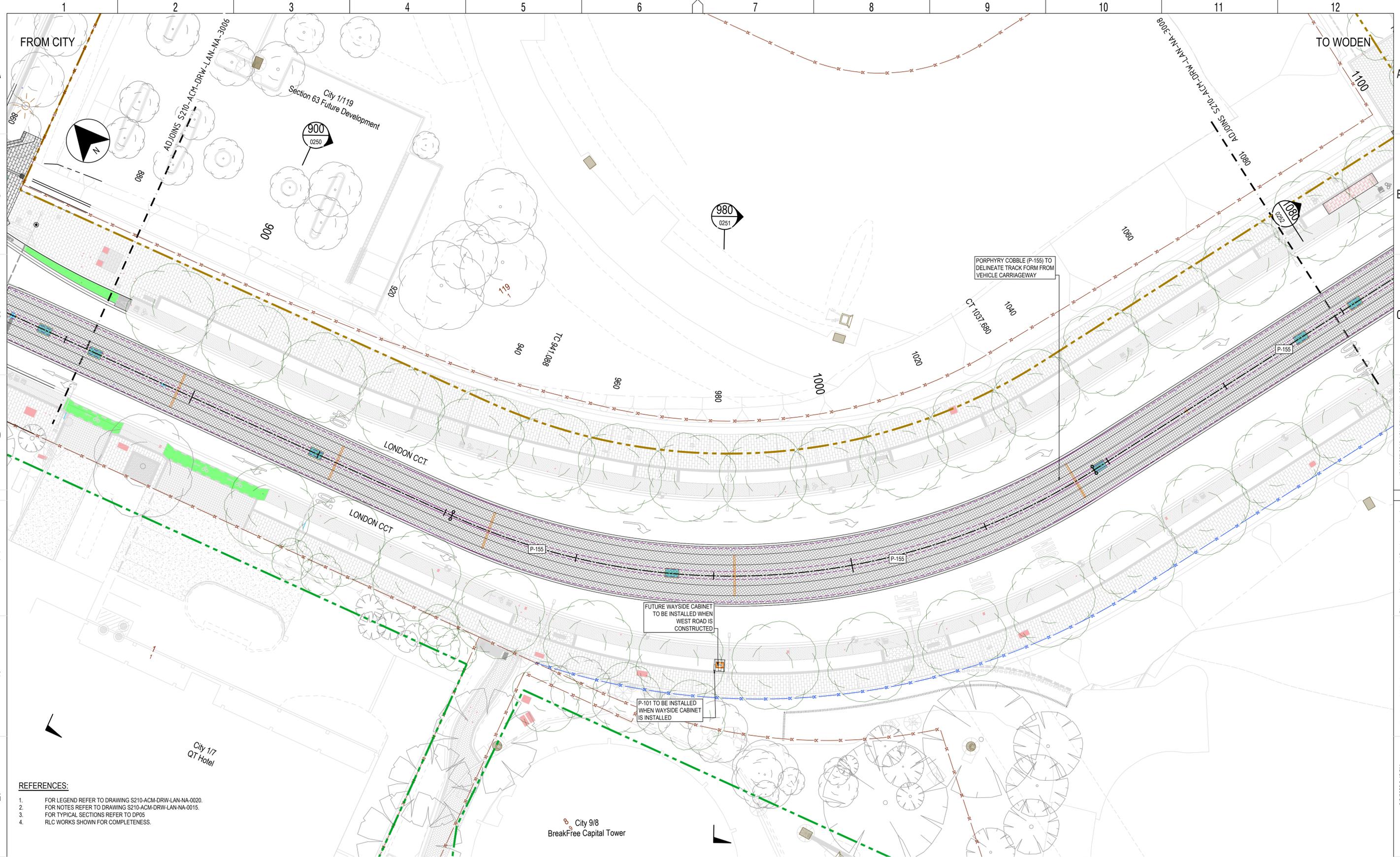
DRAWN C LANE  
 DESIGNED H CARLYLE  
 DRG CHECK H ROSSER  
 DESIGN CHECK S CALLAGHAN  
 APPROVED J PETERS

**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE  
**MATERIALS AND FINISHES**  
 LONDON CIRCUIT / EDINBURGH AVENUE  
 SHEET 6

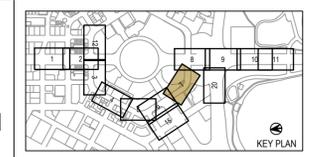
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 STATUS: APPROVALS ISSUE  
 DRG No: S210-ACM-DRW-LAN-NA-3006 | EDMS No. G

**NOT FOR CONSTRUCTION**

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 Plotted by: CAMERON.LANE



- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO    HEIGHT DATUM: AHD    SCALE: AS SHOWN



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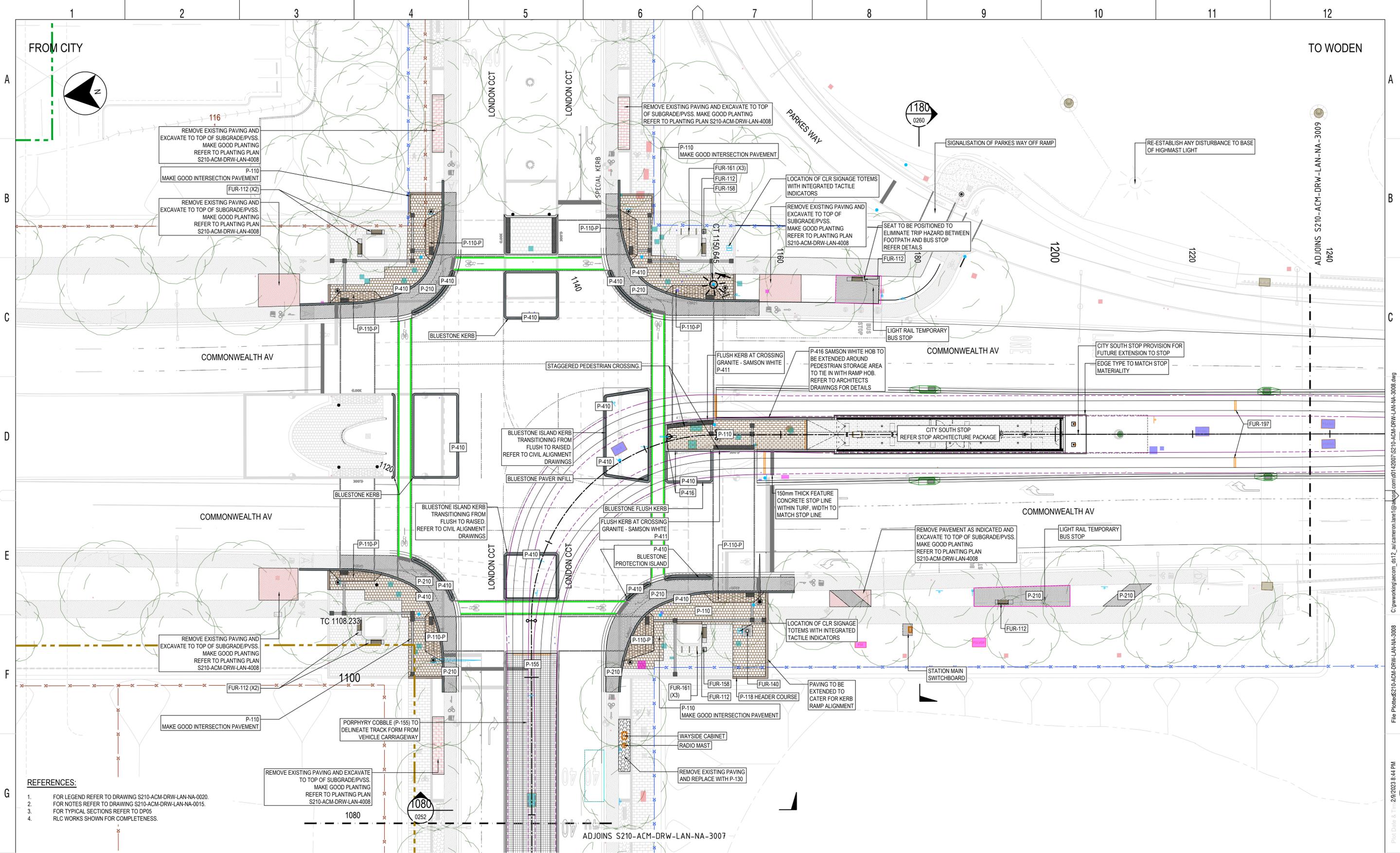
DRAWN: C LANE  
 DESIGNED: H CARLYLE  
 DRG CHECK: H ROSSER  
 DESIGN CHECK: S CALLAGHAN  
 APPROVED: J PETERS

**NOT FOR CONSTRUCTION**

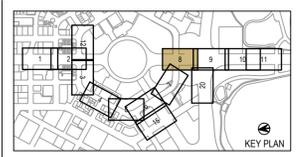
**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE MATERIALS AND FINISHES  
 COMMONWEALTH AVENUE / LONDON CIRCUIT  
 SHEET 7

DESIGN LOT No: S210-STAGE2A | SHEET: 07 OF 13 | A1  
 STATUS: APPROVALS ISSUE  
 DRG No: S210-ACM-DRW-LAN-NA-3007 | EDMS No. | G

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 Plotted by: CAMERON.LANE1



- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23	
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



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DRAWN C LANE  
DESIGNED H CARLYLE  
DRG CHECK H ROSSER  
DESIGN CHECK S CALLAGHAN  
APPROVED J PETERS

**NOT FOR CONSTRUCTION**

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES  
COMMONWEALTH AV/CITY SOUTH STOP  
SHEET 8

DESIGN LOT No:	S210-STAGE2A	SHEET: 08 OF 13	A1
STATUS:	APPROVALS ISSUE		©
DRG No.	S210-ACM-DRW-LAN-NA-3008	EDMS No.	G

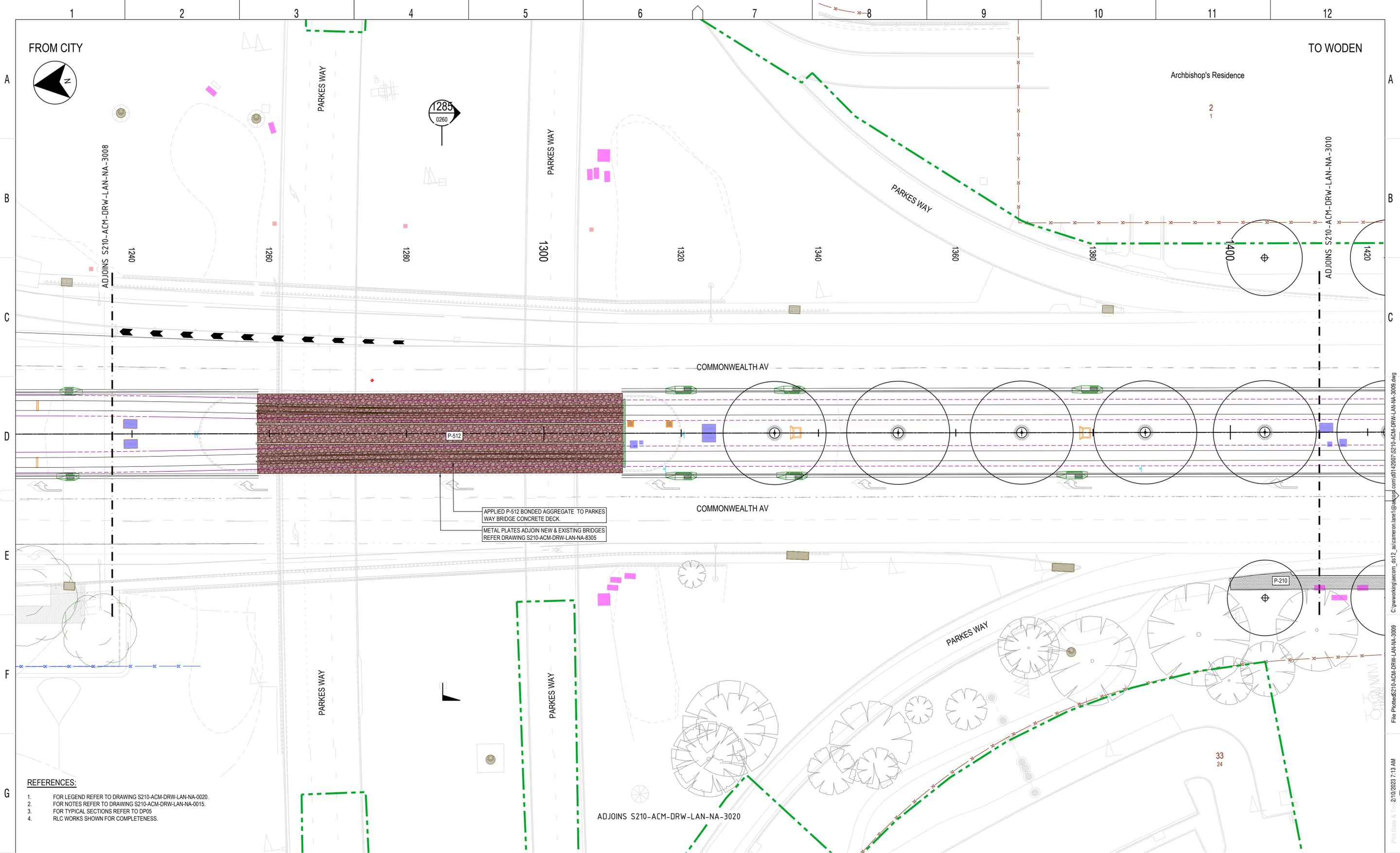
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Plotted by: CAMERON LANE

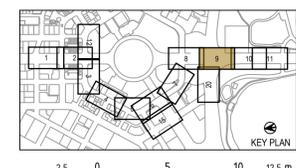
FROM CITY

TO WODEN



APPLIED P-512 BONDED AGGREGATE TO PARKES WAY BRIDGE CONCRETE DECK.  
METAL PLATES ADJOIN NEW & EXISTING BRIDGES  
REFER DRAWING S210-ACM-DRW-LAN-NA-8305

- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO    HEIGHT DATUM: AHD    SCALE: AS SHOWN



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DRAWN C LANE  
DESIGNED H CARLYLE  
DRG CHECK H ROSSER  
DESIGN CHECK S CALLAGHAN  
APPROVED J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
**MATERIALS AND FINISHES**  
COMMONWEALTH AV/PARKES WAY ON RAMP  
SHEET 9

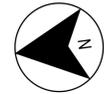
DESIGN LOT No: S210-STAGE2A    SHEET: 09 OF 13    A1  
STATUS: APPROVALS ISSUE  
DRG No. S210-ACM-DRW-LAN-NA-3009    EDMS No.    G

**NOT FOR CONSTRUCTION**

File: PlottedS210-ACM-DRW-LAN-NA-3009.dwg  
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Plot Date & Time: 2/10/2023 7:13 AM  
Plotted by: CAMERON.LANE

FROM CITY

TO WODEN



COMM AVE VERGE WORKS PREMISED ON UTILITY WORKS BEING TRENCHED AND DISTURBING SURFACE. REINSTATEMENT AT THIS LOCATION IN ACCORDANCE WITH LRCAM. LANDSCAPING ON EASTERN VERGE BEING IMPLEMENTED TO ACHIEVE SYMMETRY CONSISTENT WITH WESTERN VERGE.

EXISTING BUS STOP TO BE REMOVED AND RELOCATED

P-512 BONDED AGGREGATE AT SCISSOR CROSSING WHERE CONCRETE STRUCTURAL TRACKFORM IS REQUIRED AT SURFACE LEVEL

FUR-197 P-512 BONDED AGGREGATE HARDSTAND FOR POINTS OPERATION

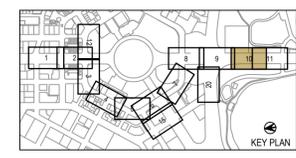
COMM AVE VERGE WORKS PREMISED ON UTILITY WORKS BEING TRENCHED AND DISTURBING SURFACE. REINSTATEMENT AT THIS LOCATION IN ACCORDANCE WITH LRCAM. LANDSCAPING ON EASTERN VERGE BEING IMPLEMENTED TO ACHIEVE SYMMETRY CONSISTENT WITH WESTERN VERGE.

Acton Waterfront

CORKHILL ST

ADJOINS S210-ACM-DRW-LAN-NA-3011

- REFERENCES:**
1. FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  2. FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  3. FOR TYPICAL SECTIONS REFER TO DP05.
  4. RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250 SCALE @ A1

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

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN



This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015



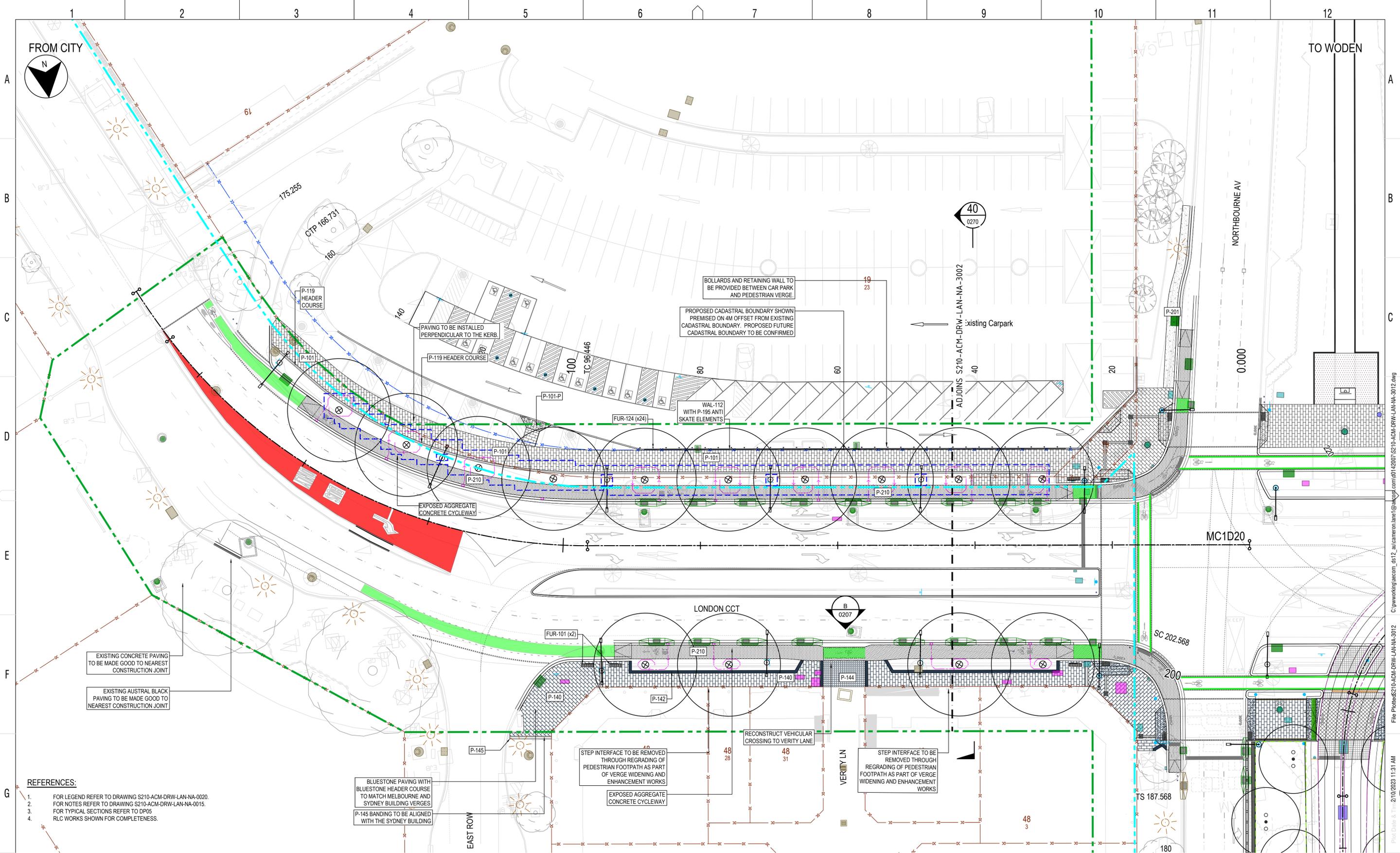
DRAWN C LANE  
 DESIGNED H CARLYLE  
 DRG CHECK H ROSSER  
 DESIGN CHECK S CALLAGHAN  
 APPROVED J PETERS

**CANBERRA LIGHT RAIL 2A**  
 LANDSCAPE MATERIALS AND FINISHES  
 COMMONWEALTH PARK STOP  
 SHEET 10

DESIGN LOT No: S210-STAGE2A SHEET: 10 OF 13 A1  
 STATUS: APPROVALS ISSUE  
 DRG No: S210-ACM-DRW-LAN-NA-3010 EDMS No. G

File: Plotters\S210-ACM-DRW-LAN-NA-3010 C:\working\acrom\cs12\_au\cameron.lane@actgov.com\0142007\S210-ACM-DRW-LAN-NA-3010.dwg  
 Plot Date & Time: 28/2023 8:47 PM  
 Plotted by: CAMERON.LANE





- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

CO-ORDINATE SYSTEM:	STROMLO	HEIGHT DATUM:	AHD	SCALE:	AS SHOWN
G	APPROVALS ISSUE	HC 10.02.23	SC 10.02.23	JP 10.02.23	
F	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22	
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	

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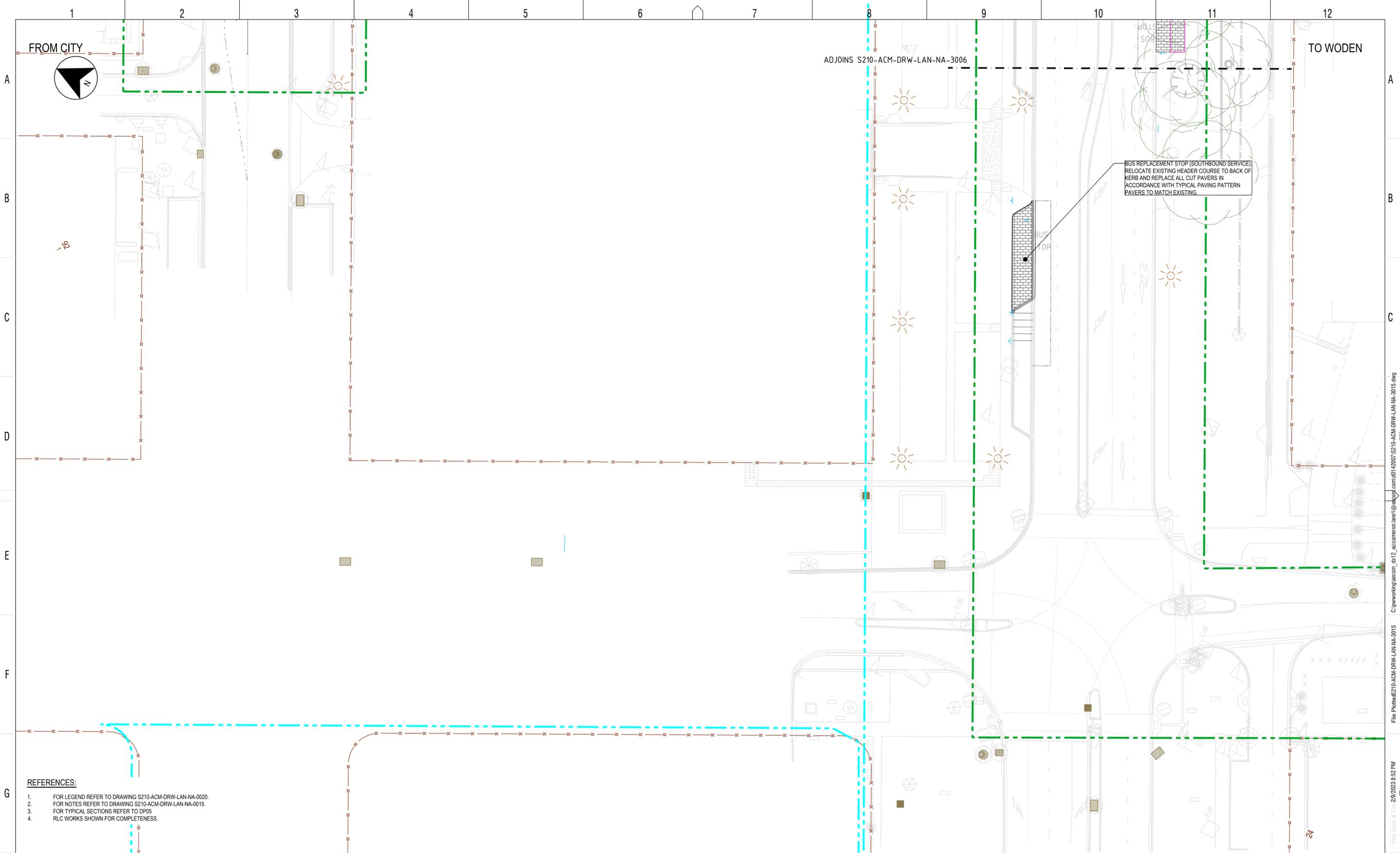
DRAWN C LANE  
DESIGNED H CARLYLE  
DRG CHECK H ROSSER  
DESIGN CHECK S CALLAGHAN  
APPROVED J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES  
LONDON CIRCUIT / NORTHBOURNE AVENUE  
SHEET 12

DESIGN LOT No: S210-STAGE2A | SHEET: 12 OF 13 | A1  
STATUS: APPROVALS ISSUE  
DRG No: S210-ACM-DRW-LAN-NA-3012 | EDMS No. G

**NOT FOR CONSTRUCTION**

File: Plotters\S210-ACM-DRW-LAN-NA-3012  
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 Plot Date & Time: 2/10/2023 11:31 AM  
 Plotted by CAMERON.LANE



- REFERENCES:**
- FOR LEGEND REFER TO DRAWING S210-ACM-DRW-LAN-NA-0020.
  - FOR NOTES REFER TO DRAWING S210-ACM-DRW-LAN-NA-0015.
  - FOR TYPICAL SECTIONS REFER TO DP05
  - RLC WORKS SHOWN FOR COMPLETENESS.



SCALE 1:250  
SCALE @ A1

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

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	HC 16.12.22	SC 16.12.22	JP 16.12.22
B	CO-ORDINATION SET - WORK IN PROGRESS	HC 04.11.22	SC 04.11.22	JP 04.11.22
A	ALIGNMENT & URBAN DESIGN LOCK	HC 30.09.22	SC 30.09.22	JP 30.09.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN



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DRAWN: C LANE  
DESIGNED: H CARLYLE  
DRG CHECK: A MARTIN  
DESIGN CHECK: S CALLAGHAN  
APPROVED: J PETERS

**CANBERRA LIGHT RAIL 2A**  
LANDSCAPE  
MATERIALS AND FINISHES  
EDINBURGH AV / GORDON ST  
SHEET 15

DESIGN LOT No: S210-STAGE2A SHEET: 13 OF 13 A1  
STATUS: APPROVALS ISSUE  
DRG No: S210-ACM-DRW-LAN-NA-3015 EDMS No. C

**NOT FOR CONSTRUCTION**

File: Plotters\S210-ACM-DRW-LAN-NA-3015 Plot Date & Time: 2/9/2023 8:52 PM Plotted by CAMERON.LANE