

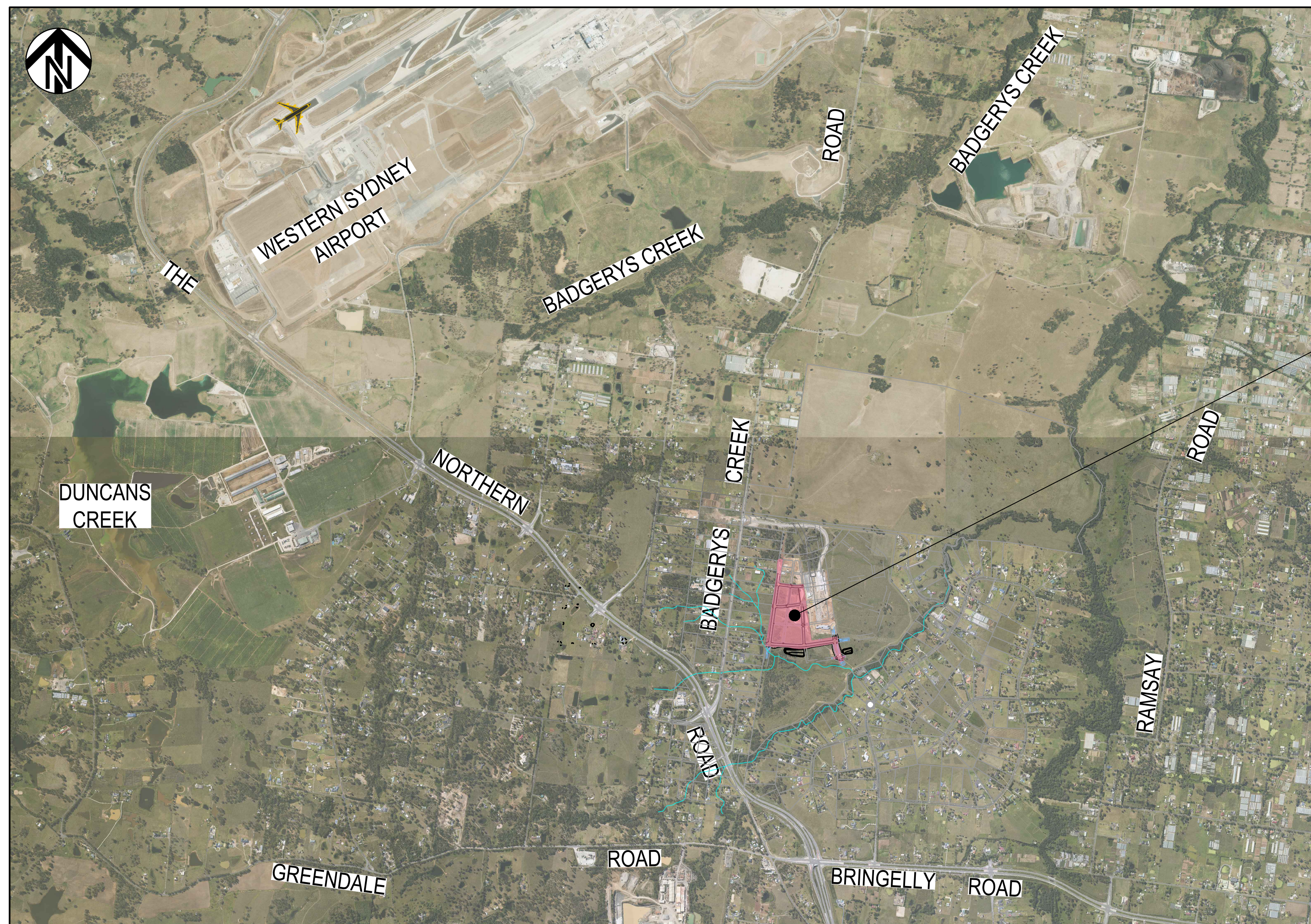
BRADFIELD CITY CENTRE

CIVIL DESIGN FOR

REVIEW OF ENVIRONMENTAL FACTORS

STAGE 2A

LOCAL PEOPLE
GLOBAL EXPERIENCE



SITE OF WORK



CONTACT DIAL BEFORE YOU
DIG PRIOR TO COMMENCING
ANY EXCAVATION WORKS

150 mm ON ORIGINAL

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AT

SHEET SCHEDULE

DRAWING	DESCRIPTION
30013454.01.REF001	COVER SHEET & LOCALITY PLAN
30013454.01.REF002	SHEET SCHEDULE & NOTES
30013454.01.REF030	STAGING PLAN
30013454.01.REF031	GENERAL ARRANGEMENT PLAN
30013454.01.REF032	ROAD HIERARCHY PLAN
30013454.01.REF041	TYPICAL ROAD CROSS SECTIONS SHEET 1
30013454.01.REF042	TYPICAL ROAD CROSS SECTIONS SHEET 2
30013454.01.REF043	TYPICAL ROAD CROSS SECTIONS SHEET 3
30013454.01.REF044	TYPICAL ROAD CROSS SECTIONS SHEET 4
30013454.01.REF051	CUT AND FILL PLAN
30013454.01.REF061	CUT AND FILL SECTIONS
30013454.01.REF101	CIVIL PLAN SHEET 1
30013454.01.REF102	CIVIL PLAN SHEET 2
30013454.01.REF103	CIVIL PLAN SHEET 3
30013454.01.REF104	CIVIL PLAN SHEET 4
30013454.01.REF201	ROAD LONGITUDINAL SECTIONS SHEET 1
30013454.01.REF202	ROAD LONGITUDINAL SECTIONS SHEET 2
30013454.01.REF203	ROAD LONGITUDINAL SECTIONS SHEET 3
30013454.01.REF204	ROAD LONGITUDINAL SECTIONS SHEET 4
30013454.01.REF205	ROAD LONGITUDINAL SECTIONS SHEET 5
30013454.01.REF206	ROAD LONGITUDINAL SECTIONS SHEET 6
30013454.01.REF207	ROAD LONGITUDINAL SECTIONS SHEET 7
30013454.01.REF208	ROAD LONGITUDINAL SECTIONS SHEET 8
30013454.01.REF351	PAVEMENT PLAN
30013454.01.REF501	CATCHMENT PLAN
30013454.01.REF801	SIGNAGE AND LINE MARKING PLAN
30013454.01.REF811	VEHICLE TURNING PATHS SHEET 1
30013454.01.REF812	VEHICLE TURNING PATHS SHEET 2
30013454.01.REF813	VEHICLE TURNING PATHS SHEET 3
30013454.01.REF851	SOIL & WATER MANAGEMENT PLAN
30013454.01.REF861	SOIL & WATER MANAGEMENT DETAILS
TOTAL NUMBER OF SHEETS	31

GENERAL NOTES

1.

ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE ENGINEERING DESIGN MANUAL (THIS DOCUMENT) AND ENGINEERING CONSTRUCTION SPECIFICATIONS AND TO THE REQUIREMENTS OF THE PRINCIPAL CERTIFIER
2.

INSPECTIONS BY A CERTIFIER ARE REQUIRED AT THE FOLLOWING STAGES AND THE WORKS APPROVED PRIOR TO CONTINUING WORK:

2.1.

FOLLOWING INSTALLATION OF EROSION AND SEDIMENT CONTROL STRUCTURES/MEASURES

2.2.

PRIOR TO BACKFILLING PIPELINES, SUBSOIL DRAINS AND DAMS

2.3.

PRIOR TO CASTING OF PITS AND OTHER CONCRETE STRUCTURES, INCLUDING KERB AND GUTTER BUT FOLLOWING PLACEMENT OF FOOTINGS, FORMWORK, AND REINFORCEMENT

2.4.

PRIOR TO PLACEMENT OF SUBBASE AND ALL SUBSEQUENT PAVEMENT LAYERS, A PROOF ROLLER TEST OF EACH PAVEMENT LAYER IS REQUIRED

2.5.

FORMWORKS PRIOR TO POURING CONCRETE FOR FOOTPATH AND OTHER ASSOCIATED WORK

2.6.

PRIOR TO BACKFILLING PUBLIC UTILITY CROSSINGS IN ROAD RESERVES AND SHARE PATHS

2.7.

FINAL INSPECTIONS AFTER ALL WORKS ARE COMPLETED AND 'WORKS AS EXECUTED' PLANS HAVE BEEN SUBMITTED TO COUNCIL
3.

NO TREES OR VEGETATION IS TO BE REMOVED OR DAMAGED UNLESS APPROVAL IS GRANTED BY COUNCIL'S LANDSCAPE COMPLIANCE OFFICER OR AS AUTHORISED BY DEVELOPMENT CONSENT
4.

MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS
5.

NO WORK IS TO BE CARRIED OUT ON COUNCIL PROPERTY OR ADJOINING PROPERTIES WITHOUT THE WRITTEN PERMISSION FROM THE OWNER/S
6.

VEHICULAR ACCESS AND ALL UTILITIES/SERVICES ARE TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION
7.

ALL RUBBISH, BUILDINGS, SHEDS AND FENCES ARE TO BE REMOVED TO SATISFACTION OF THE PRINCIPAL CERTIFIER
8.

CERTIFIERS HAVE DISCRETION TO VARY, AS CONSIDERED NECESSARY, THE ENGINEERING REQUIREMENTS IN RESPECT OF A PARTICULAR SUBDIVISION OR DEVELOPMENT HAVING REGARD TO THE SITE CONTEXT
9.

VIBRATION AND COMPACTION WORKS SHALL BE MANAGED TO MINIMISE IMPACT ON ADJOINING PROPERTIES
10.

A DILAPIDATION REPORT IS REQUIRED PRIOR TO COMMENCEMENT OF ANY WORK OTHER THAN INSTALLATION OF SOIL AND WATER MANAGEMENT MEASURES
11.

SHOULD UNEXPECTED CONTAMINATED MATERIALS BE FOUND ON SITE WORK SHALL CEASE UNTIL AN ASSESSMENT IS CONDUCTED BY A CONTAMINATED LANDS SPECIALIST ACCREDITED PROFESSIONAL

EARTHWORKS NOTES

1.

EARTHWORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL. UNSUITABLE MATERIALS ARE TO BE REMOVED FROM STREETS AND LOTS PRIOR TO FILLING. THE CONTRACTOR IS TO ARRANGE AND MAKE AVAILABLE

2.

COMPACTION TESTING RESULTS FOR ALL AREAS THAT CONTAIN FILL IN EXCESS OF 200 MM E2 COMPACTION OF EARTHWORKS SHALL CONTINUE UNTIL A DRY DENSITY RATIO OF 95% FOR SITE FILLING AND 100% FOR STREET PAVEMENT SUBGRADES HAS BEEN ACHIEVED IN ACCORDANCE WITH TEST METHOD AS 1289.5.3.1 OR AS THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AS 3798. WHERE IT IS PROPOSED TO USE TEST METHOD AS 1289.5.8.1 TO DETERMINE THE FIELD DENSITY, A SAND REPLACEMENT METHOD SHALL BE USED TO CONFIRM THE RESULTS
3.

A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER, SHALL HAVE A LEVEL 1 RESPONSIBILITY, UNLESS AGREED OTHERWISE BY THE COUNCIL, IN ACCORDANCE WITH AS 3798, FOR ALL FILLING AS DEFINED IN AS 3798, AND AT THE END OF THE WORKS SHALL CONFIRM THE EARTHWORKS COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS BY WRITTEN NOTIFICATION
4.

IN AREAS TO BE FILLED, WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS 1(V):4(H), BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE COUNCIL
5.

ALL BATTERS ARE TO BE SCARIFIED TO A DEPTH OF 50 MM TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER FACE
6.

PROVIDE MINIMUM 100 MM AND MAXIMUM 300 MM TOPSOIL ON FOOTPATHS, FILLED AREAS AND ALL OTHER AREAS DISTURBED DURING CONSTRUCTION. TOPSOILED AREAS ARE TO BE STABILISED WITH APPROVED VEGETATION A MAXIMUM OF 14 DAYS AFTER TOPSOILING AND ARE TO BE WATERED TO ENSURE GERMINATION
7.

THE CONTRACTOR SHALL CONTROL SEDIMENTATION, EROSION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF 'MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION' PRODUCED BY LANDCOM. MEASURES MUST BE REVIEWED FOR SUITABILITY AND MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT
8.

A MINIMUM 1 METRE WIDE, CONTINUOUS STRIP OF COUCH GRASS WITH RETURN FOR EVERY 10M (AS PER 'BLUE BOOK' SD6-13) SHALL BE PLACED BEHIND THE BACK OF ALL KERBS AND OTHER CONCRETE STRUCTURES IMMEDIATELY AFTER THE COMPLETION OF THE FOOTPATH GRADING OR OTHER ELEMENTS AS APPLICABLE AND SHALL BE MAINTAINED AND REPLACED AS REQUIRED DURING THE CONSTRUCTION MAINTENANCE PERIOD
9.

WASTE MATERIAL IS TO BE CLASSIFIED AND DISPOSED OF AT A FACILITY LICENSED TO RECEIVE THE WASTE

ROADWORKS NOTES

1.

SUBGRADES AND SUBBASES ARE TO BE COMPACTED IN ACCORDANCE WITH COUNCIL'S CONSTRUCTION SPECIFICATION. DENSITY TESTS AND CONFIRMATION THAT THE RESULTS HAVE SATISFIED THE REQUIREMENTS OF THE ENGINEERING SPECIFICATION MUST BE PROVIDED TO COUNCIL AND APPROVAL OBTAINED PRIOR TO THE NEXT LAYER BEING INSTALLED
2.

SUBSOIL DRAINS ARE TO BE PROVIDED ON BOTH SIDES OF STREETS (EXCEPT WHERE THERE IS STORMWATER DRAINAGE)
3.

150 X 50 H.D. GALVANISED STEEL KERB OUTLETS (200 X 100 IN HAWKESBURY) OR A PROPRIETARY KERB ADAPTOR WHERE ACCEPTED BY THE COUNCIL ARE TO BE PLACED IN ALL KERB TYPES ON LOW SIDE OF LOTS. THE OUTLET IS TO CONTINUE ACROSS FOOTWAY TO 300MM WITHIN THE PROPERTY BOUNDARY, AN ELBOW SHALL BE INSTALLED TO BRING THE PIPE TO THE SURFACE AND THE PIPE END CAPPED TO PREVENT ENTRY OF FOREIGN MATERIAL
4.

LIPLESS PERAMBULATOR CROSSINGS ARE TO BE PROVIDED IN ALL KERB RETURNS AND WHERE REQUIRED BY COUNCIL.
5.

SERVICE CONDUITS ARE TO BE PLACED AS DIRECTED BY ALL PUBLIC UTILITY AUTHORITIES INCLUDING BUT NOT LIMITED TO ENDEAVOUR ENERGY, NBN OR OTHER TELCO, JEMENA AND SYDNEY WATER
6.

PROPOSED UTILITIES AND SERVICES CROSSING EXISTING STREETS SHALL BE PROVIDED FOR USING A TRENCHLESS TECHNIQUE SO AS NOT TO DAMAGE THE EXISTING SURFACE. ALL SERVICE CONDUITS UNDER STREETS MUST BE LAID TO A MINIMUM DEPTH OF 750 MM.
7.

ALL TEMPORARY STREETS MUST BE TEMPORARILY SEALED WITH A TWO-COAT FLUSH SEAL
8.

ALL PERMANENT STREETS MUST BE SEALED IN ACCORDANCE WITH THE APPROVED DRAWINGS
9.

SIGNPOSTING AND LINE MARKING SHALL CONFORM TO AS 1742.2, 'RTA SUPPLEMENT TO AUSTRALIAN STANDARDS 1742', THE 'RTA DELINEATION' GUIDELINES AND RMS SIGNS DATABASE. RAISED RETRO-REFLECTIVE PAVEMENT MARKERS TO CONFORM TO AS/NZS 1906.1 AND AS 1906.3 ARE TO BE PROVIDED. ALL APRONS AND KERB FACE ON CENTRAL ISLANDS OF ROUNDABOUTS AND ALL OTHER ISLANDS ARE TO BE DELINEATED BY REFLECTIVE WHITE MARKING
10.

ALL LOT NUMBERS AND STREET NAMES MUST BE STENCILLED ON KERB FACE UNLESS REQUIRED OTHERWISE BY THE COUNCIL
11.

STREET SIGNS TO COUNCIL STANDARD USING MATERIALS CONSISTENT WITH AS1906 RETRO-REFLECTIVE MATERIALS AND DEVICES FOR ROAD TRAFFIC CONTROL PURPOSES MUST BE INSTALLED BY THE CONTRACTOR

STORMWATER NOTES

1.

ALL PIPES ARE TO BE SPIGOT AND SOCKET, RUBBER RING JOINTED
2.

ALL LONGITUDINAL PIPELINES IN STREETS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED WITH APPROVED GRANULAR MATERIAL UNLESS OTHERWISE APPROVED BY THE CERTIFIER
3.

DRAINAGE LINES MUST BE BACKFILLED WITH APPROVED GRANULAR MATERIAL IN TRAFFICABLE AREAS. THREE (3) METRES OF SUBSOIL DRAINAGE WRAPPED IN GEOTEXTILE STOCKING MUST BE PROVIDED TO ALL DOWNSTREAM PITS
4.

ALL GULLY PITS TO COUNCIL'S STANDARD AND LINTELS CENTRALLY PLACED AT SAG PITS
5.

ALL PITS MUST BE BENCHED AND STREAMLINED. REINFORCEMENT AND GALVANISED STEP IRONS MUST BE PROVIDED TO ALL PITS OVER 1.2 METRES DEEP AS MEASURED FROM THE GRATE / LID OPENING TO THE INVERT OF THE PIT
6.

CONCRETE IS TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 25MPA AT 28 DAYS UNLESS OTHERWISE APPROVED BY THE CERTIFIER
7.

ALL INTERALLOTMENT DRAINAGE MUST HAVE A MINIMUM PIPE DIAMETER OF 150 MM AND A MINIMUM GRADE OF 1% UNLESS OTHERWISE APPROVED BY THE CERTIFIER
8.

ALL INTERALLOTMENT DRAINAGE LINES MUST BE LAID CENTRALLY WITHIN DRAINAGE EASEMENTS. INSPECTION PITS MUST BE PROVIDED FOR EACH LOT AND AT ALL CHANGES OF GRADE AND DIRECTION
9.

INTERALLOTMENT DRAINAGE LINES MUST BE INSTALLED AFTER SYDNEY WATER SEWERAGE LINES HAVE BEEN INSTALLED WHERE SEWER IS PROPOSED ADJACENT TO INTERALLOTMENT DRAINAGE LINES
10.

1% AEP OVERLAND FLOW PATHS MUST BE FORMED AND SHOWN ON 'WORKS AS EXECUTED' DRAWINGS
11.

ALL PLANS (BOTH DESIGN AND WAE) ARE TO CLEARLY DELINEATE THE EXTENT/LOCATION OF FLOOD LINES INCLUDING THE 5% AEP, 1% AEP AND PMF, WHERE THE PMF HAS BEEN DETERMINED
12.

ADEQUATE PROVISION IS TO BE MADE TO PREVENT SCOURING AND SEDIMENTATION FOR ALL DRAINAGE WORKS

IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS

13.

PIT LINTELS ARE TO BE STENCILLED WITH APPLICABLE DESTINATION STENCIL AVAILABLE FROM COUNCIL
14.

CATCH DRAINS MUST BE CONSTRUCTED AS REQUIRED BY THE APPROVED PLANS OR THE PRINCIPAL CERTIFIER
15.

SOIL AND WATER MANAGEMENT PLANS ARE TO BE PREPARED FOR ALL SITES AND ADHERED TO AT ALL TIMES DURING THE CONSTRUCTION AND MAINTENANCE PERIODS. PLANS MUST ADDRESS AND MAKE PROVISION FOR THE DYNAMIC NATURE OF THE SITE FOR EACH STAGE OF THE DEVELOPMENT

SOIL AND WATER MANAGEMENT NOTES

1.

ALL SOIL AND WATER MANAGEMENT (EROSION AND SEDIMENT CONTROL MEASURES) ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION' EDITION 4 PUBLISHED BY LANDCOM
2.

ALL SOIL AND WATER MANAGEMENT MEASURES SHALL BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF ANY WORK BEING CARRIED OUT. ALL MEASURES SHALL BE MAINTAINED AND KEPT IN PLACE FOR THE DURATION OF THE WORKS AND MAY ONLY BE REMOVED UPON FINAL STABILISATION OF THE SITE
3.

ALL SOIL AND WATER MANAGEMENT MEASURES SHALL BE CONSTRUCTED AND MAINTAINED AS INDICATED ON THE APPROVED DRAWINGS. THE ACTUAL LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES SHALL BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT
4.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTROL OF EROSION AND SEDIMENTATION TO THE SATISFACTION OF COUNCIL AND SHALL INFORM ALL SUBCONTRACTORS AND ALL EMPLOYEES OF THEIR RESPONSIBILITIES WITH REGARDS EROSION AND SEDIMENT CONTROL
5.

WHEN ANY SEDIMENT IS DEPOSITED ON AN EXISTING PUBLIC STREET IT IS TO BE REMOVED BY THE END OF THE DAY IT IS DEPOSITED BY USE OF A VACUUM SWEEPER TRUCK. NO SEDIMENT IS TO BE WASHED OFF INTO DRAINAGE PITS, STRUCTURES, SWALES, NATURAL WATER COURSES OR OTHER RECEIVING WATERS
6.

THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SOIL AND WATER MANAGEMENT MEASURES TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCIL. REPAIRS AND MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY AFTER STORM EVENTS
7.

A SELF-AUDITING PROGRAM SHALL BE ESTABLISHED BASED ON A CHECK SHEET DEVELOPED FOR THE SITE. A SITE INSPECTION USING THE CHECK SHEET SHALL BE MADE BY THE SITE SUPERVISOR AT LEAST WEEKLY, IMMEDIATELY BEFORE SITE CLOSURE, AND IMMEDIATELY FOLLOWING RAINFALL EVENTS GREATER THAN 5 MM IN 24 HOURS
8.

SITE ACCESS SHALL ONLY BE ACHIEVED VIA A TRUCK SHAKER AT THE DESIGNATED ACCESS POINT AS SHOWN ON THE APPROVED PLANS. THE TRUCK SHAKER IS TO BE REGULARLY MAINTAINED TO ENSURE EFFECTIVENESS
9.

DUST CONTROL MEASURES AND VIBRATION IMPACT CONTROL SHALL BE IMPLEMENTED CONTINUOUSLY DURING CONSTRUCTION WORKS. SUCH MEASURES ARE TO BE TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCIL
10.

THE AREAS OVER STORMWATER AND SEWER LINES AND ELECTRICITY, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE SEEDED AND MULCHED AS SOON AS POSSIBLE BUT NO LATER THAN WITHIN 14 DAYS AFTER BACKFILLING
11.

NO MORE THAN 150 METRES OF TRENCH IS TO BE OPEN AT ANY ONE TIME
12.

STOCKPILES SHALL BE IN LOW MOUNDS NO MORE THAN 2 METRES HIGH AND NOT LOCATED WITHIN 5 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS
13.

THE CONTRACTOR SHALL STABILISE ALL STOCKPILES AND DISTURBED AREAS, BY HYDROSEEDING OR AS DIRECTED BY THE SUPERINTENDENT OR COUNCIL, AS SOON AS THEY ARE FORMED TO FINAL LEVELS. ALL SEEDED AREAS SHALL BE WATERED AT LEAST TWICE WEEKLY UNTIL GRASS COVER IS ESTABLISHED
14.

ALL TEMPORARY EARTH BERMS, DIVERSION AND SEDIMENT BASIN EMBANKMENTS ARE TO BE TRACK ROLLED, SEEDED OR MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED
15.

ALL FILLS ARE TO BE LEFT WITH A WINDROW AT LEAST 200 MM HIGH AT THE TOP OF THE SLOPE AT THE END OF EACH DAY'S EARTHWORKS, AND ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO "SEAL" THE EARTHWORKS
16.

STABILISATION OF ALL CUT AND FILL SLOPES SHALL BE COMMENCED WITHIN 14 DAYS OF COMPLETION OF FORMATION
17.

UPON COMPLETION OF FINAL EARTHWORKS OR AFTER WRITTEN DIRECTION OF COUNCIL, IMMEDIATE SILT CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS
18.

ALL EROSION AND SEDIMENT CONTROL MEASURES AFFECTED BY WORKS SHALL BE RE-ESTABLISHED PRIOR TO THE COMPLETION OF EACH DAY'S WORK
19.

ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR RE-USE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES
20.

A STRIP OF TURF IS TO BE PLACED IMMEDIATELY BEHIND THE KERB AND GUTTER ON ALL NEW STREETS AND AT ADDITIONAL LOCATIONS AS DETERMINED BY THE CERTIFIER
21.

TOPSOIL SHALL BE RE-SPREAD ON DISTURBED AREAS AS REQUIRED AND STABILISED AS SOON AS POSSIBLE AND WITHIN 14 DAYS OF DISTURBANCE. ALL DISTURBED AREAS SHALL BE LEFT SCARIFIED TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING OF TOPSOIL
22.

SEDIMENT BASINS SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL SUCH TIME AS ALL DISTURBED AREAS ARE STABILISED OR UNTIL ULTIMATE DESIGN - WSUD BIO-RETENTION BASIN COMPLETED SATISFACTORY
23.

ANY BASINS ARE TO BE DE-SILTED SHALL BE FLOCCULATED TO SETTLE ANY SUSPENDED SOLIDS. UPON APPROVAL FROM COUNCIL, CLEAR WATER SHALL THEN BE PUMPED OUT IN A MANNER THAT WILL NOT CAUSE DOWNSTREAM EROSION. WHEN DRY, THE SILT SHALL BE MIXED WITH TOPSOIL FOR FUTURE SPREADING OR REMOVED FROM SITE
24.

THE CONTRACTOR SHALL MAINTAIN A LOGBOOK DETAILING: RECORDS OF ALL RAINFALL
 - DAILY CONDITION OF ALL SOIL AND WATER MANAGEMENT MEASURES
 - ANY APPLICATION OF FLOCCULATION AGENTS TO SEDIMENT BASINS
 - METHOD AND VOLUME OF WATER DISCHARGED FROM BASINS
 - ANY ADDITIONAL REMEDIAL WORKS REQUIRED
25.

THE LOGBOOK SHALL BE MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST AND ISSUED TO THE PROJECT MANAGER UPON COMPLETION OF WORKS.
26.

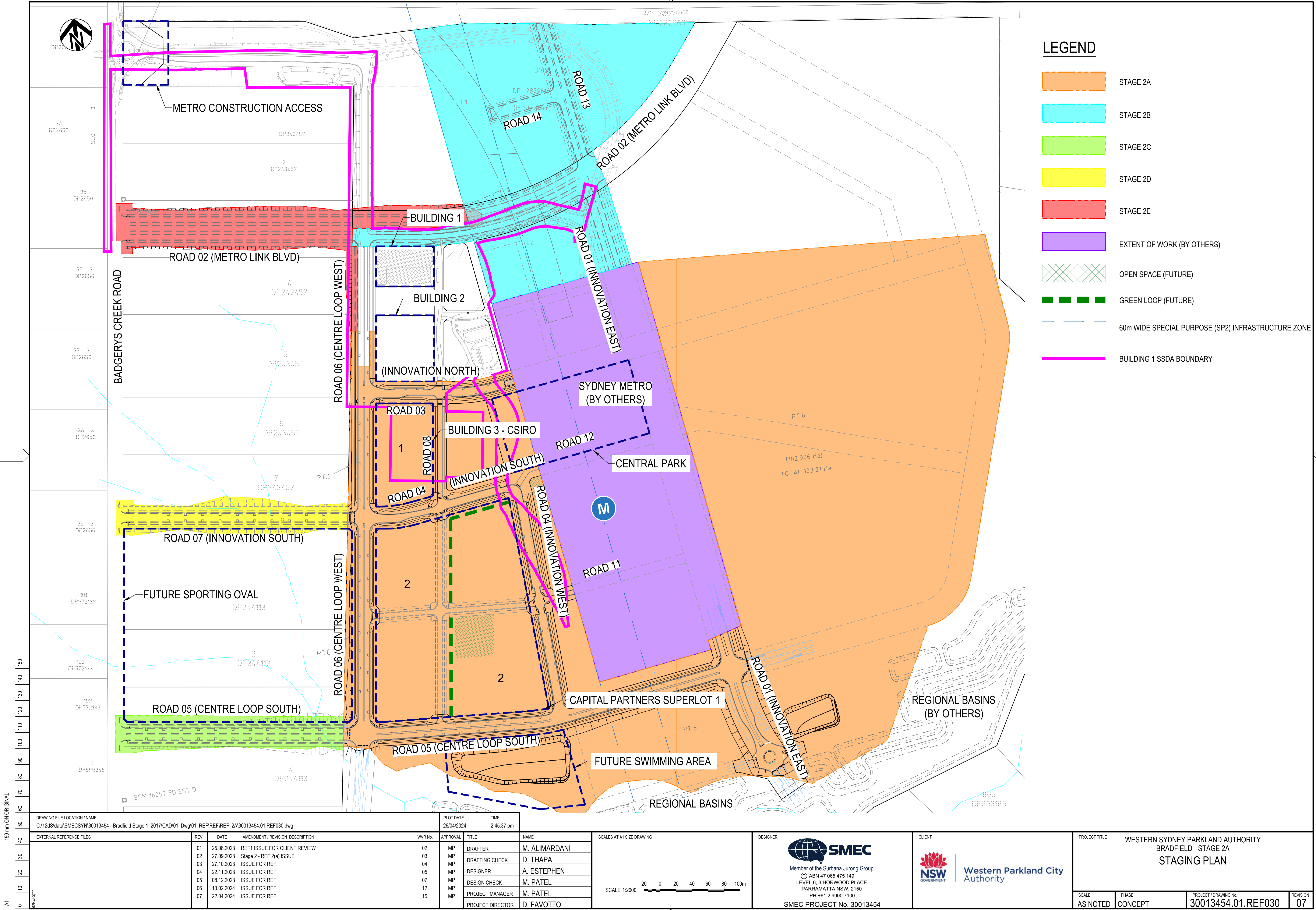
ALL FINAL EROSION PREVENTION MEASURES, INCLUDING ESTABLISHMENT OF GRASSING, ARE TO BE COMPLETED PRIOR TO THE FINAL INSPECTION OF THE WORKS
27.

WHERE A SITE WILL BE FILLED USING IMPORTED MATERIAL A WHEEL WASH IS TO BE INSTALLED TO ENSURE THAT NO SEDIMENT IS TRACKED ONTO EXISTING PUBLIC STREETS

DRAWING FILE LOCATION / NAME C:\12d\data\SMEC\SYN\30013454 - Bradfield Stage 1_2017\CAD\01_Dwg\01_REF\REF\REF_2A\30013454.01.REF002.dwg				PLOT DATE 26/04/2024		TIME 2:43:06 pm	
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15			

SCALES AT A1 SIZE DRAWING				DESIGNER			
 Member of the Surbana Jurong Group © ABN 47 065 475 149 LEVEL 6, 3 HORWOOD PLACE PARRAMATTA NSW. 2150 PH +61 2 9900 7100 SMC PROJECT No. 30013454				 Western Parkland City Authority			
CLIENT				PROJECT TITLE			
				WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A SHEET SCHEDULE & NOTES			
SCALE		PHASE		PROJECT / DRAWING No.		REVISION	
AS NOTED		CONCEPT		30013454.01.REF002		07	





LEGEND

- STAGE 2A
- STAGE 2B
- STAGE 2C
- STAGE 2D
- STAGE 2E
- EXTENT OF WORK (BY OTHERS)
- OPEN SPACE (FUTURE)
- GREEN LOOP (FUTURE)
- 60m WIDE SPECIAL PURPOSE (SP2) INFRASTRUCTURE ZONE
- BUILDING 1 SSDA BOUNDARY

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME
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PLOT DATE
26/04/2024

TIME
2:45:37 pm

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REV	DATE	AMENDMENT / REVISION DESCRIPTION
01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW
02	27.09.2023	Stage 2 - REF 2(a) ISSUE
03	27.10.2023	ISSUE FOR REF
04	22.11.2023	ISSUE FOR REF
05	08.12.2023	ISSUE FOR REF
06	13.02.2024	ISSUE FOR REF
07	22.04.2024	ISSUE FOR REF

WVR No.	APPROVAL	TITLE	NAME
02	MP	DRAFTER	M. ALIMARDANI
03	MP	DRAFTING CHECK	D. THAPA
04	MP	DESIGNER	A. ESTEPHEN
05	MP	DESIGN CHECK	M. PATEL
07	MP	PROJECT MANAGER	M. PATEL
12	MP	PROJECT DIRECTOR	D. FAVOTTO
15	MP		

SCALE 1:2000

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DESIGNER

SMC

Member of the Surbana Jurong Group

© ABN 47 065 475 149

LEVEL 6, 3 HORWOOD PLACE

PARRAMATTA NSW, 2150

PH +61 2 9900 7100

SMC PROJECT No. 30013454

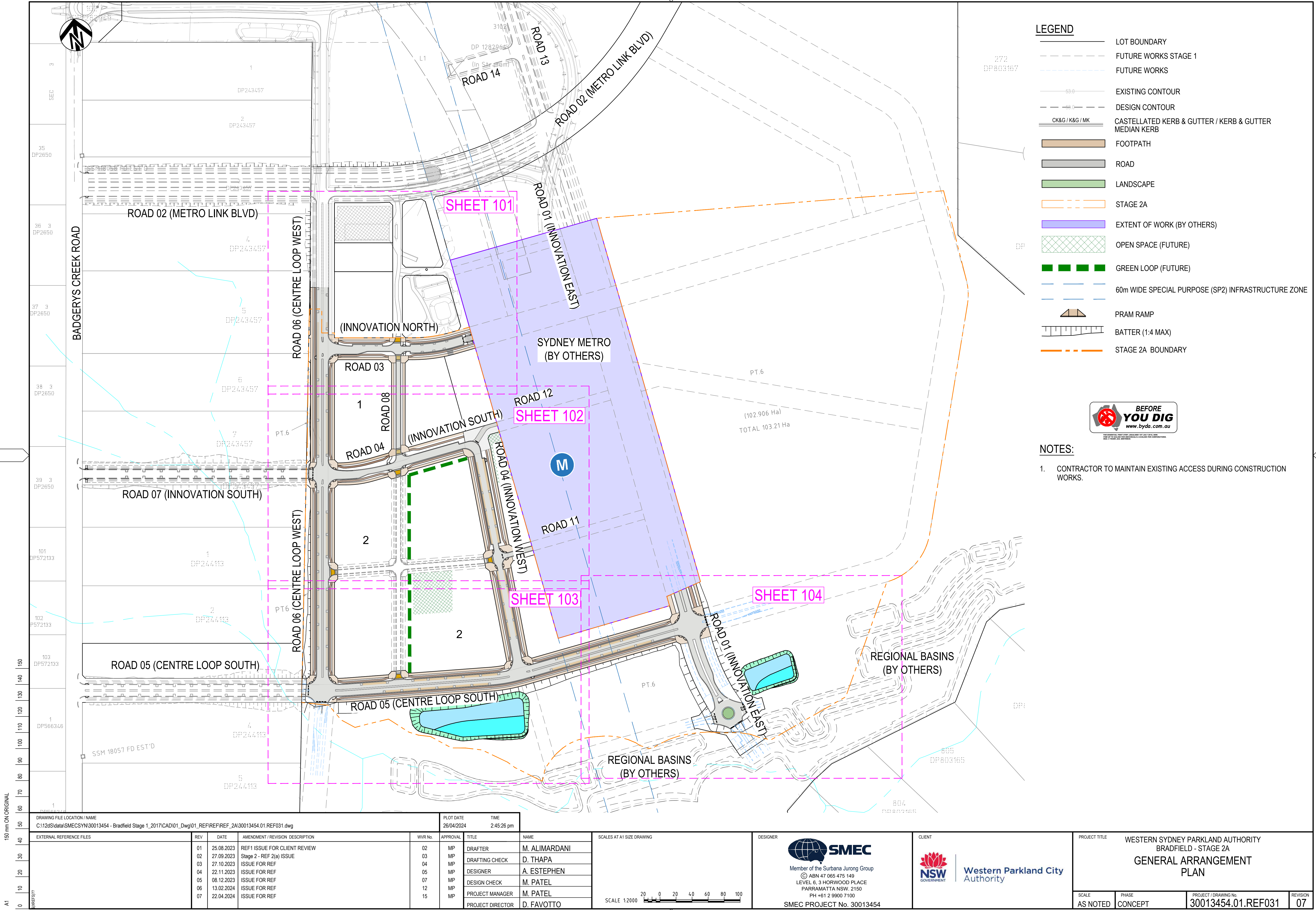
CLIENT

NSW

Western Parkland City

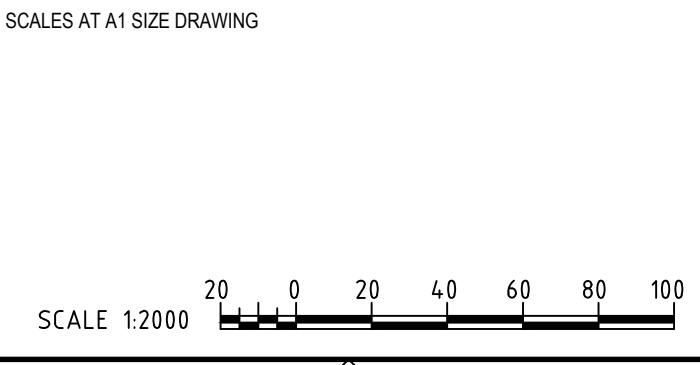
Authority

PROJECT TITLE	WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A STAGING PLAN
SCALE	AS NOTED
PHASE	CONCEPT
PROJECT / DRAWING No.	30013454.01.REF030
REVISION	07



- NOTES:
- CONTRACTOR TO MAINTAIN EXISTING ACCESS DURING CONSTRUCTION WORKS.

DRAWING FILE LOCATION / NAME C:\12d\data\SMESYN\30013454 - Bradfield Stage 1_2017\CAD\01_Dwg\01_REF\REF_2A\30013454.01.REF031.dwg				PLOT DATE 26/04/2024		TIME 2:45:26 pm	
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	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



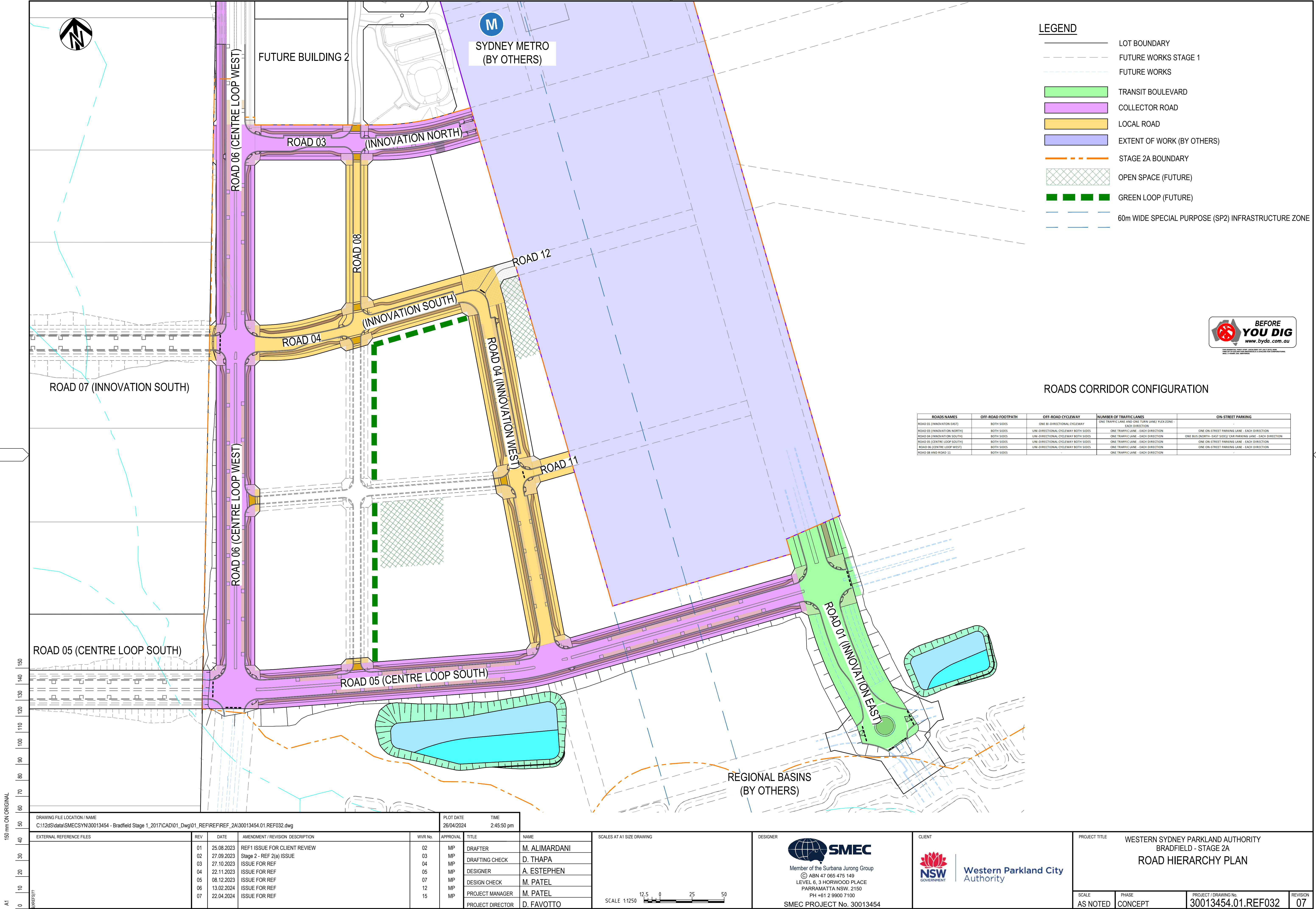
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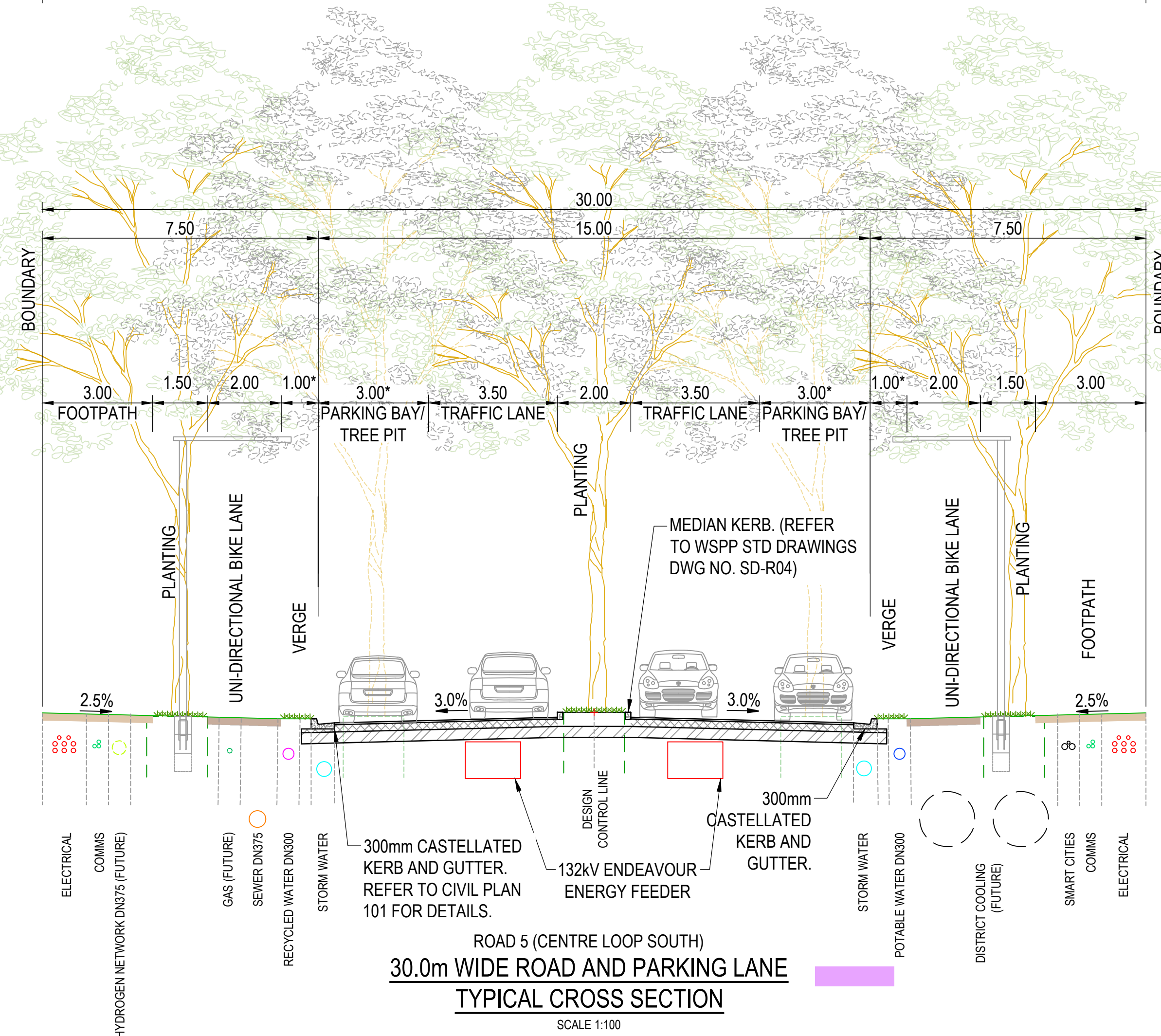
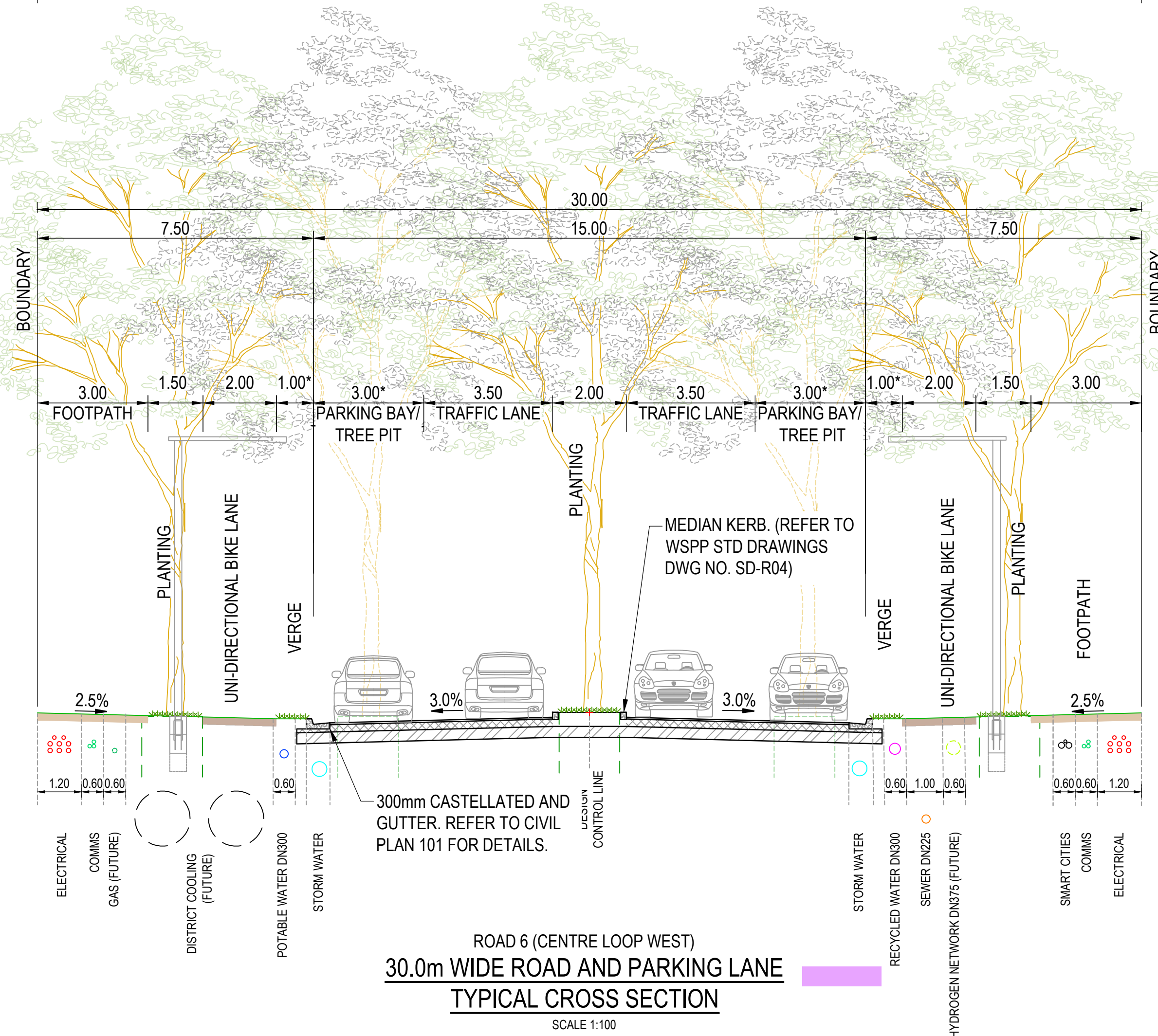
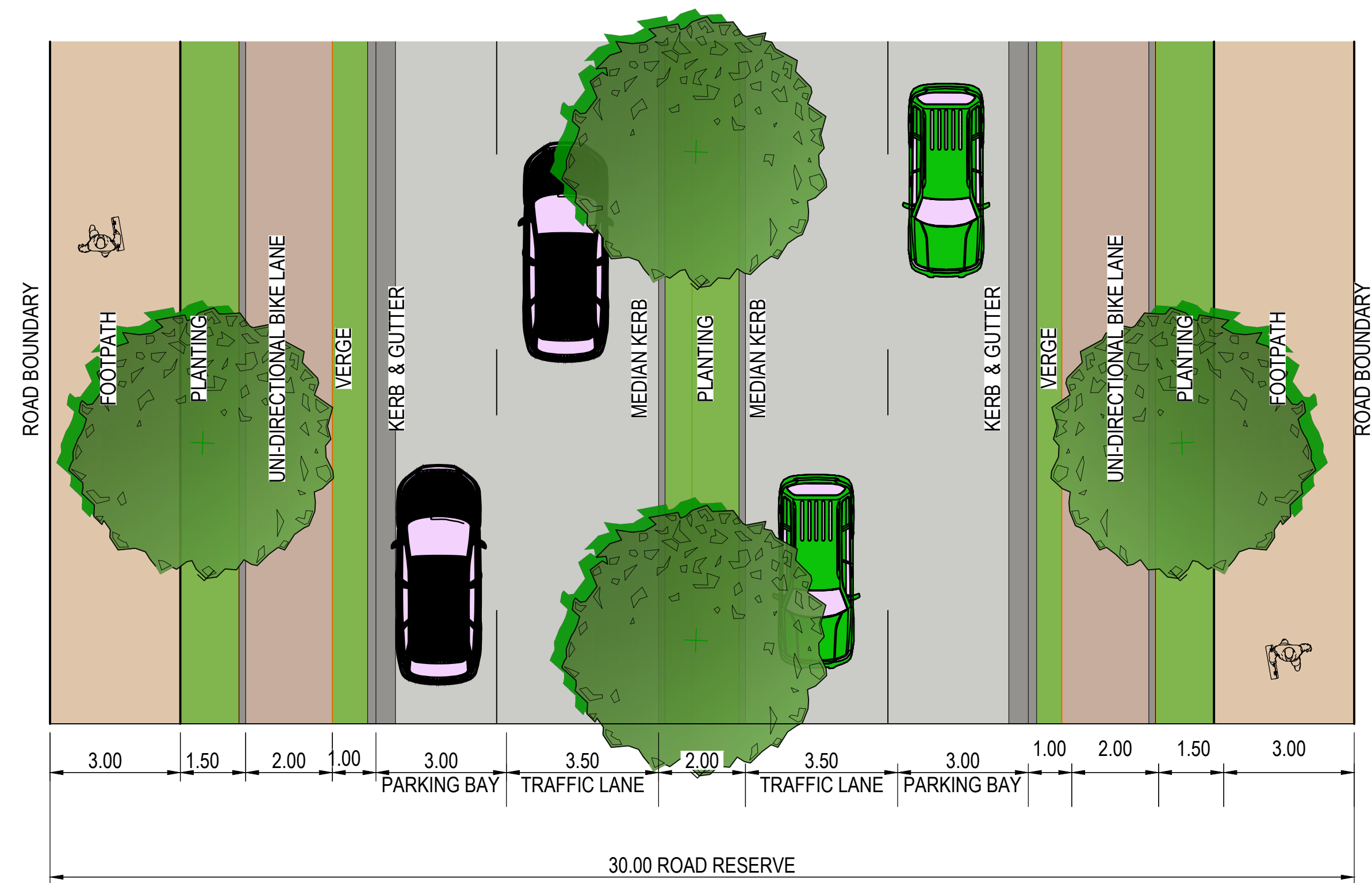
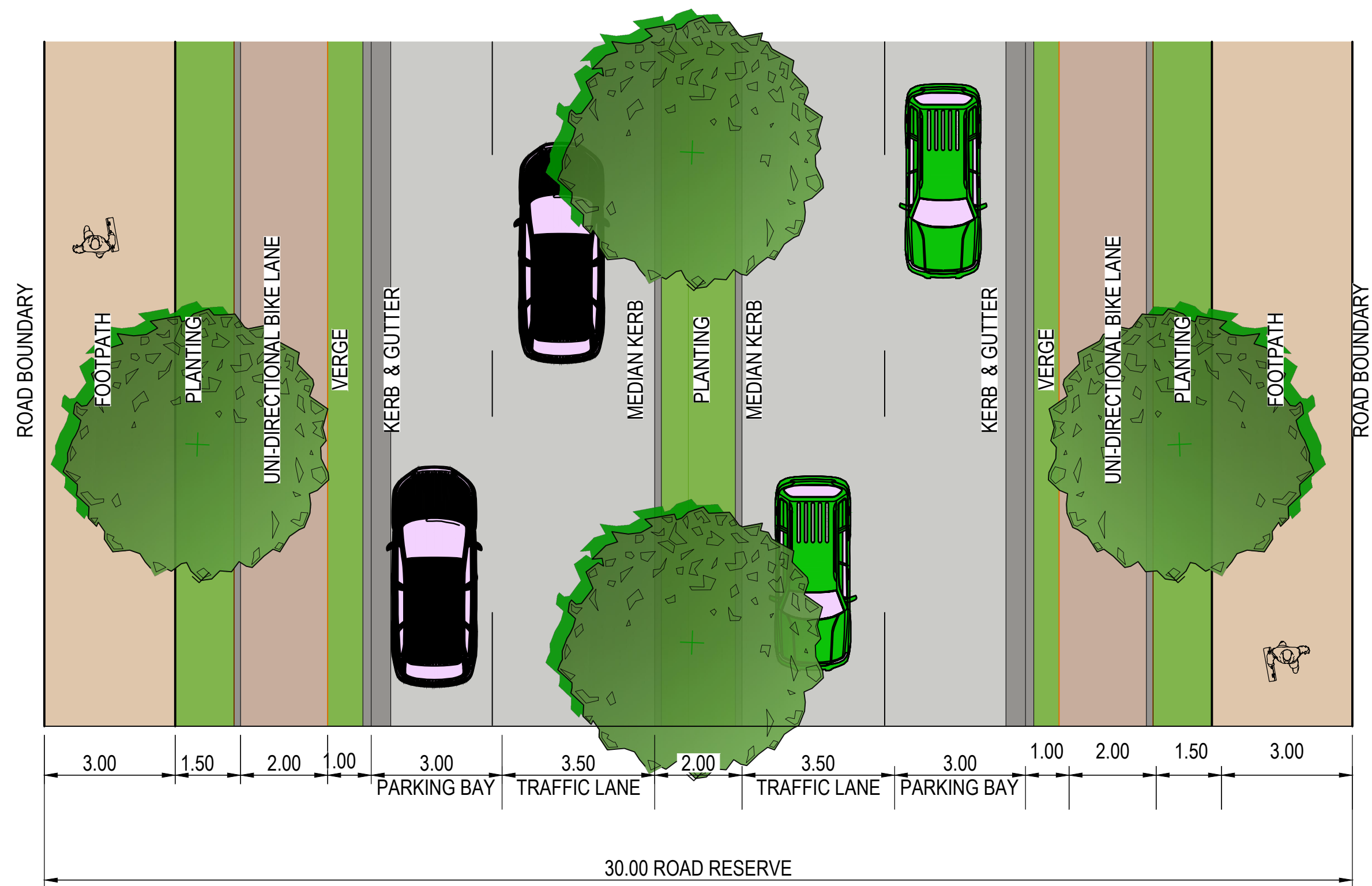
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6, 3 HORWOOD PLACE
PARRAMATTA NSW. 2150
PH +61 2 9900 7100
SMC PROJECT No. 30013454

CLIENT

Western Parkland City
Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A GENERAL ARRANGEMENT PLAN			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF031	REVISION 07





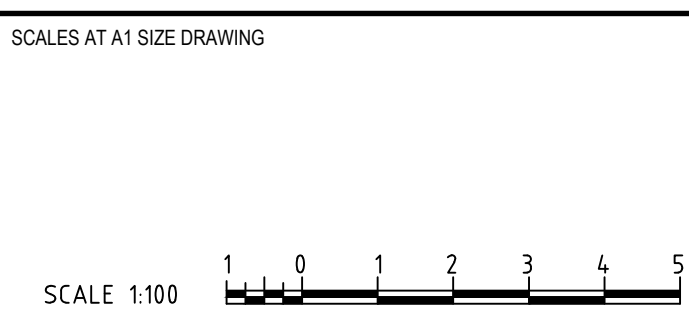
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REV	DATE	AMENDMENT / REVISION DESCRIPTION
01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW
02	27.09.2023	Stage 2 - REF 2(a) ISSUE
03	27.10.2023	ISSUE FOR REF
04	22.11.2023	ISSUE FOR REF
05	08.12.2023	ISSUE FOR REF
06	13.02.2024	ISSUE FOR REF
07	22.04.2024	ISSUE FOR REF

ROAD 6 (CENTRE LOOP WEST)
30.0m WIDE ROAD AND PARKING LANE
TYPICAL CROSS SECTION
SCALE 1:100

WVR No.	APPROVAL	TITLE	NAME
02	MP	DRAFTER	M. ALIMARDANI
03	MP	DRAFTING CHECK	D. THAPA
04	MP	DESIGNER	A. ESTEPHEN
05	MP	DESIGN CHECK	M. PATEL
07	MP	PROJECT MANAGER	M. PATEL
12	MP	PROJECT DIRECTOR	D. FAVOTTO



DESIGNER

SMC

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PH +61 2 9900 7100

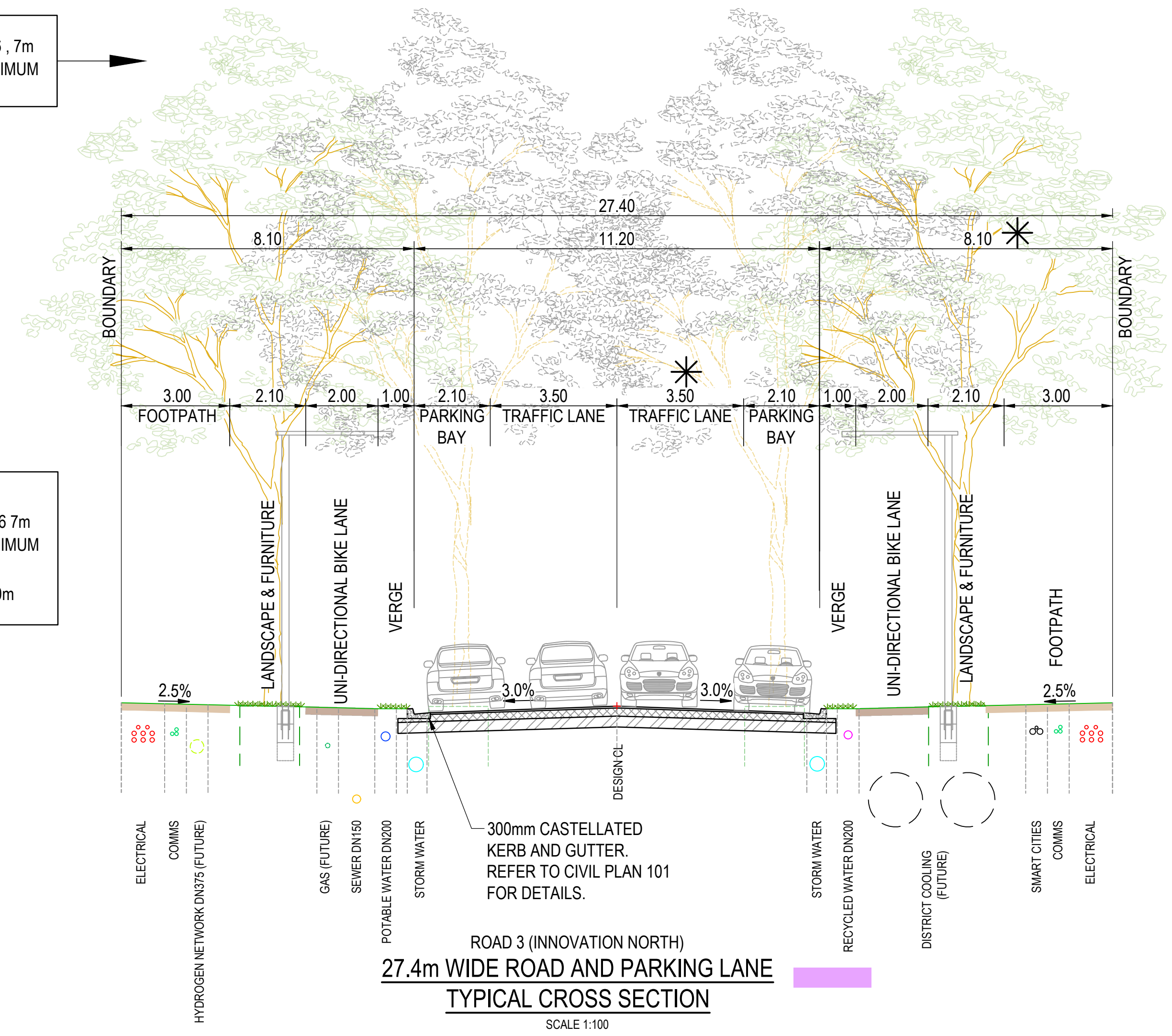
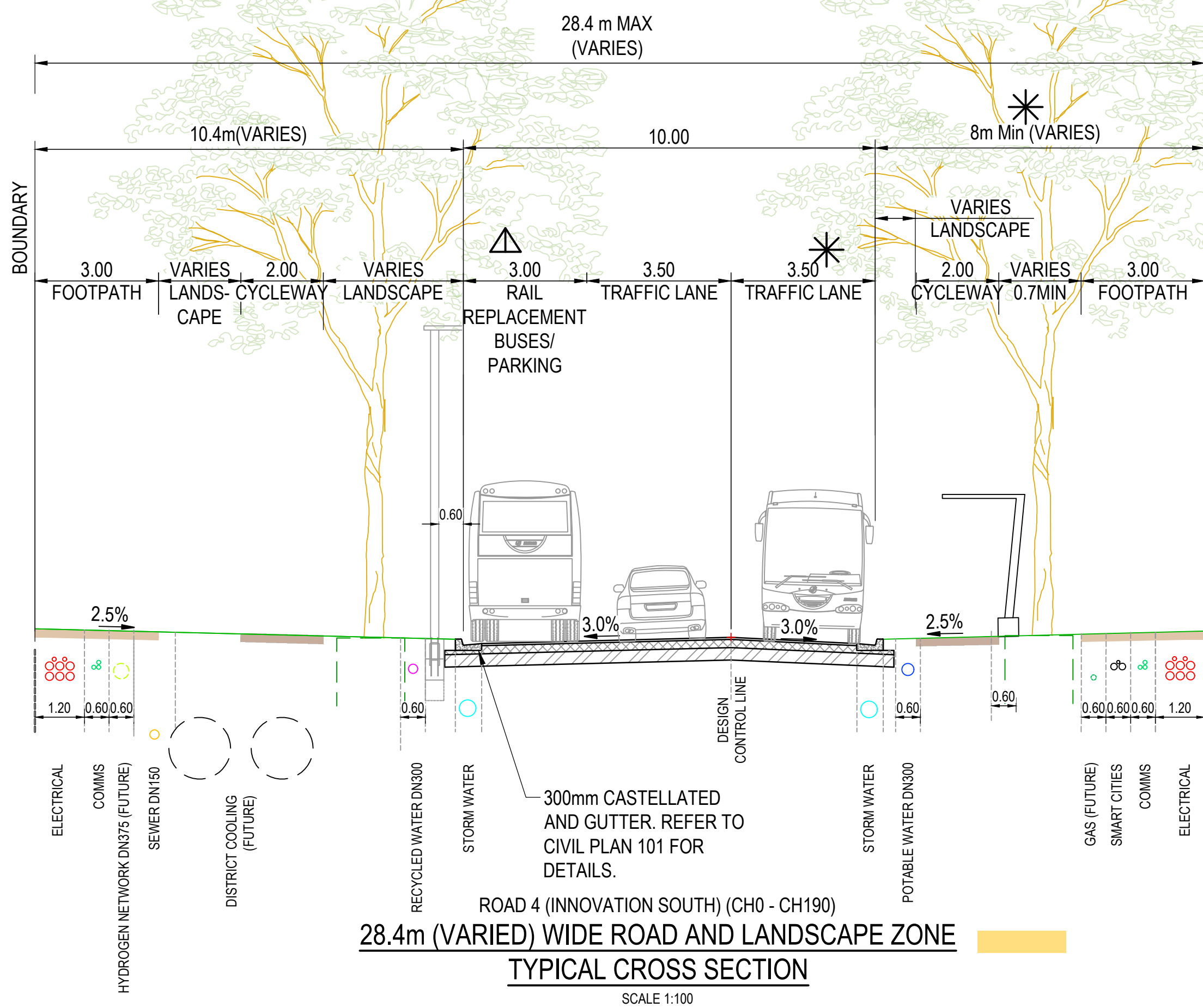
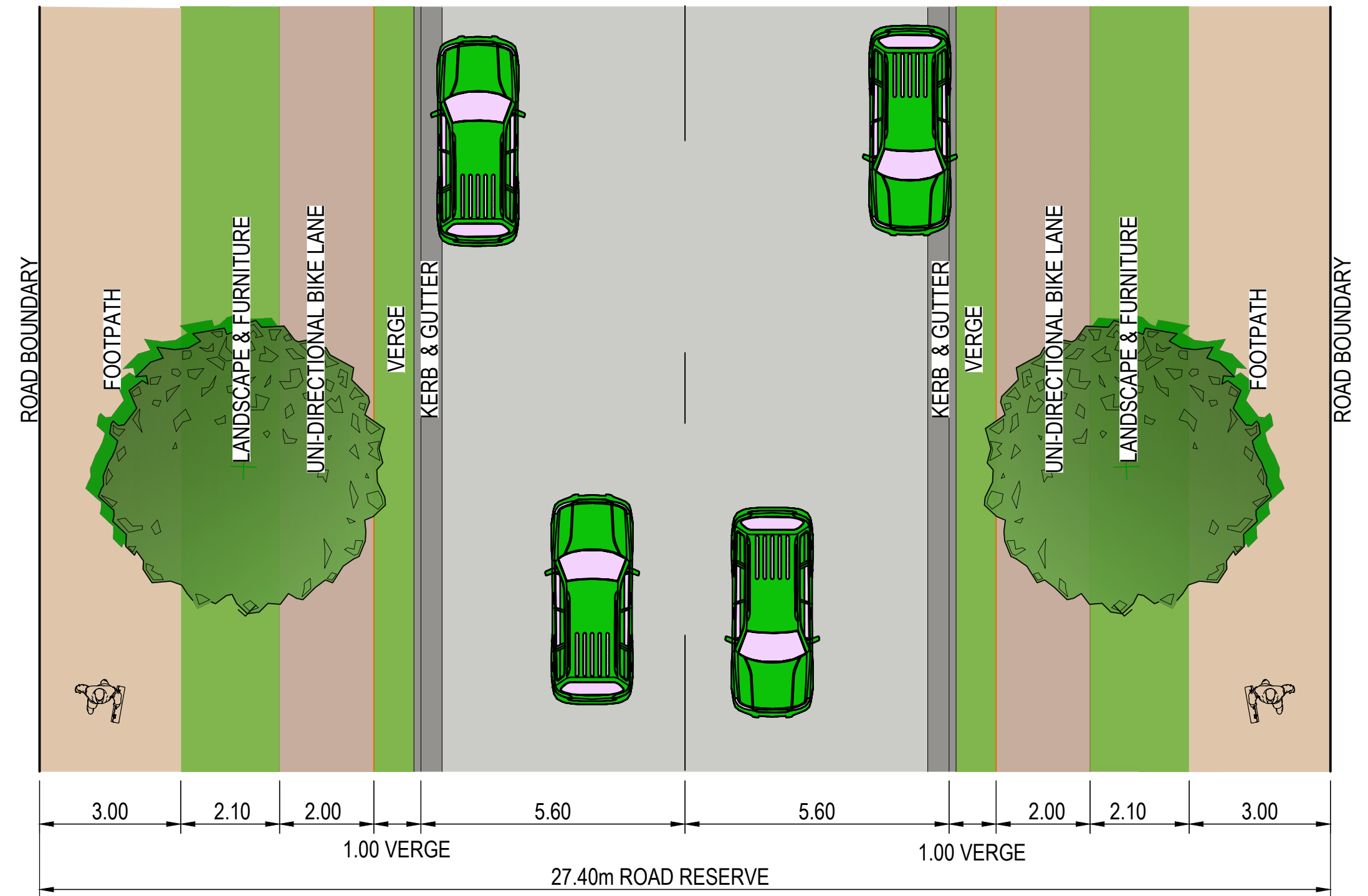
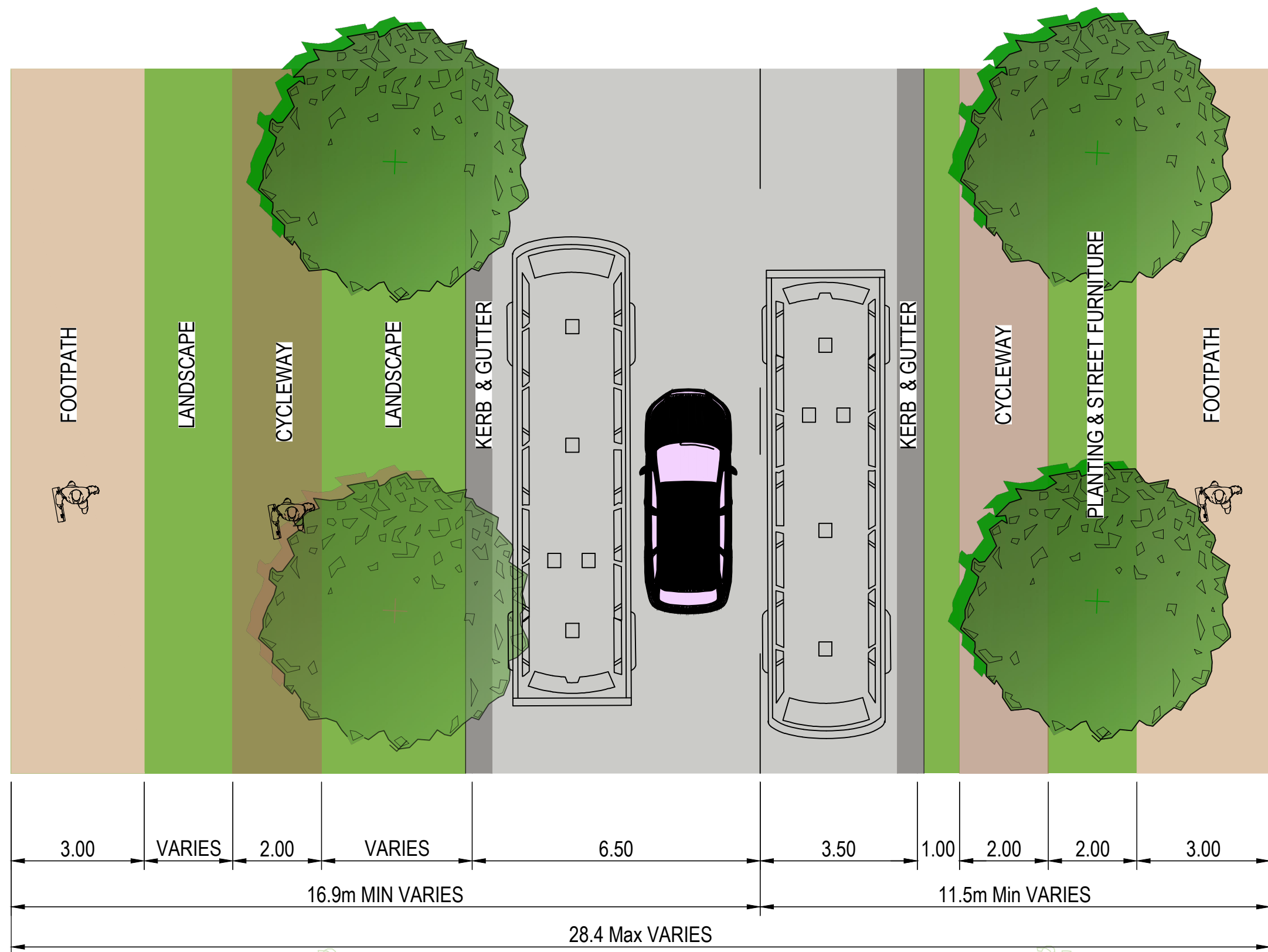
SMC PROJECT No. 30013454

CLIENT

NSW GOVERNMENT

Western Parkland City Authority

PROJECT TITLE	WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A
SCALE	AS NOTED
PHASE	CONCEPT
PROJECT / DRAWING No.	30013454.01.REF041
REVISION	07



* AT INTERSECTION WITH ROAD 6, 7m
TRAFFIC LANE + TURN LANE MINIMUM
VERGE 6.5m

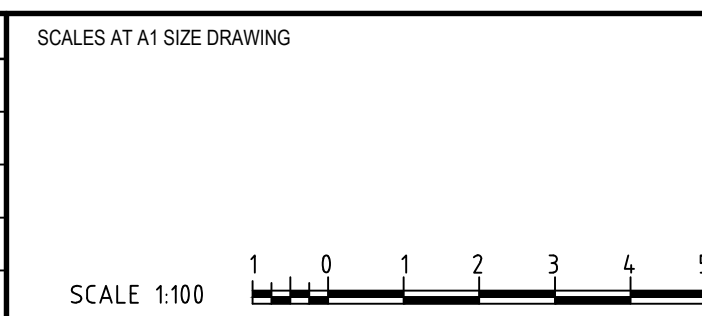
* AT INTERSECTION WITH ROAD 06 7m
TRAFFIC LANE + TURN LANE MINIMUM
VERGE 6.5m
▲ BETWEEN CHAINAGE 120 TO 180m

ROAD 4 (INNOVATION SOUTH) (CH0 - CH190)
28.4m (VARIED) WIDE ROAD AND LANDSCAPE ZONE
TYPICAL CROSS SECTION
SCALE 1:100

ROAD 3 (INNOVATION NORTH)
27.4m WIDE ROAD AND PARKING LANE
TYPICAL CROSS SECTION
SCALE 1:100

DRAWING FILE LOCATION / NAME
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



DESIGNER

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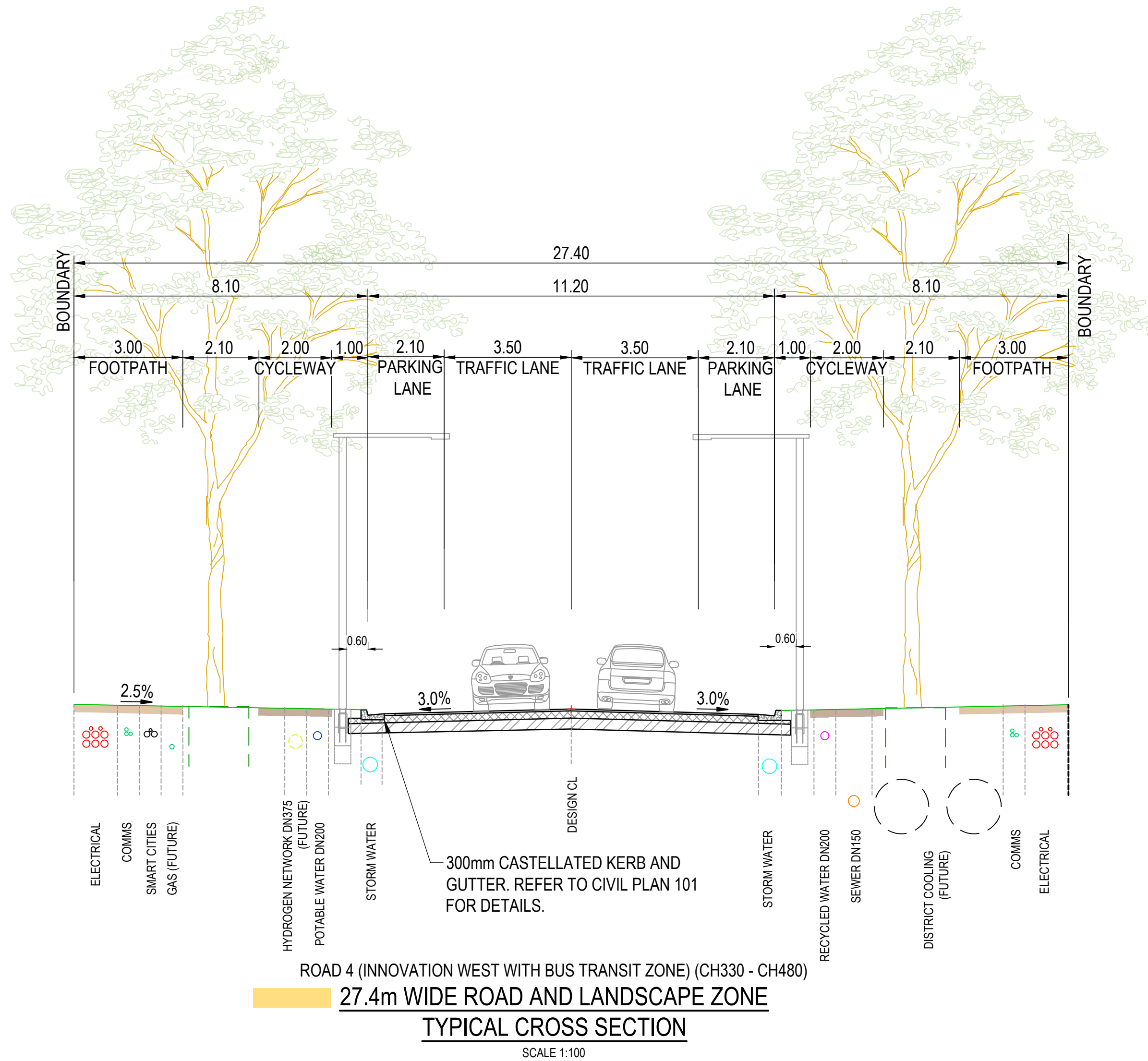
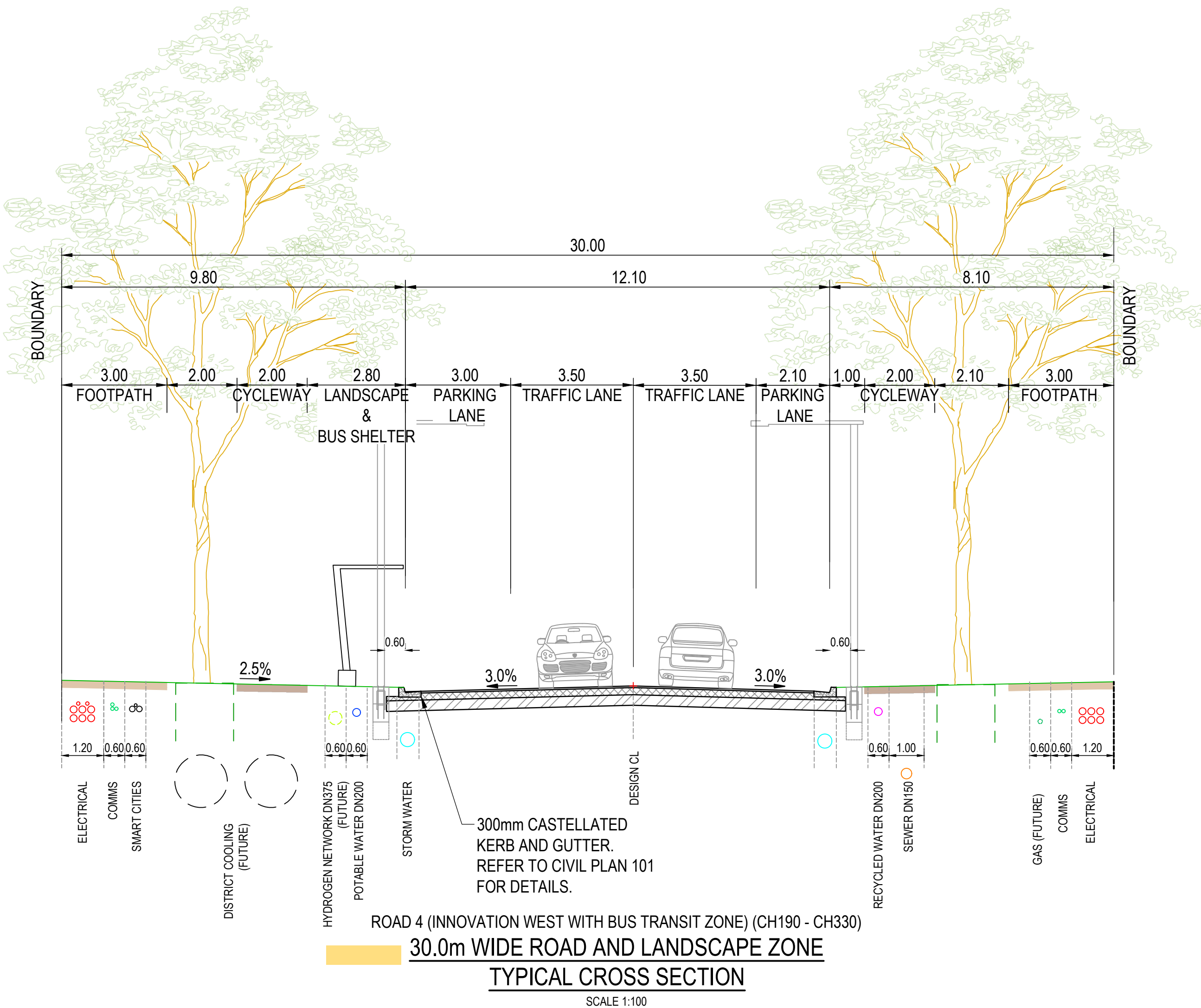
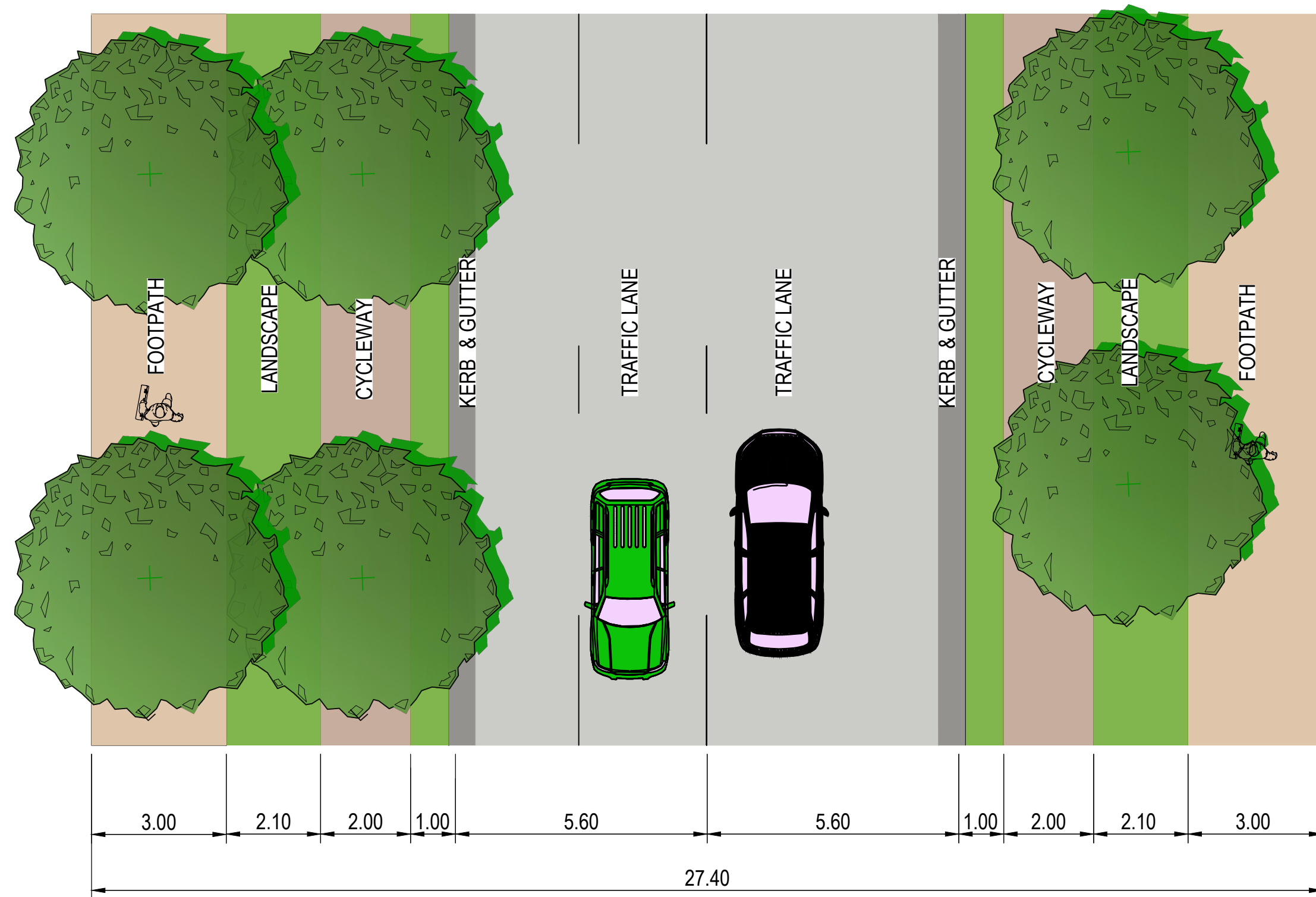
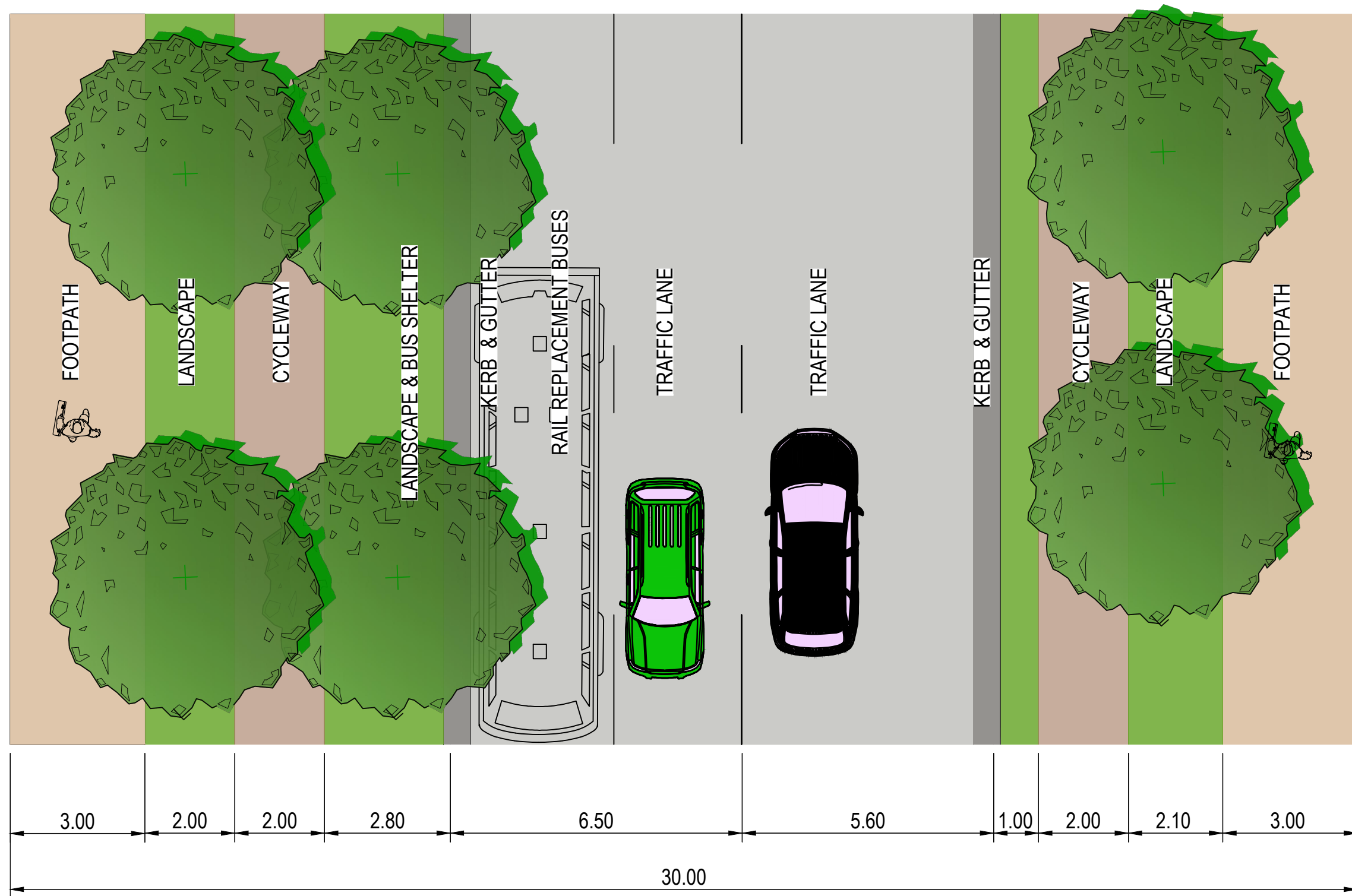
SMC PROJECT No. 30013454

CLIENT

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Western Parkland City Authority

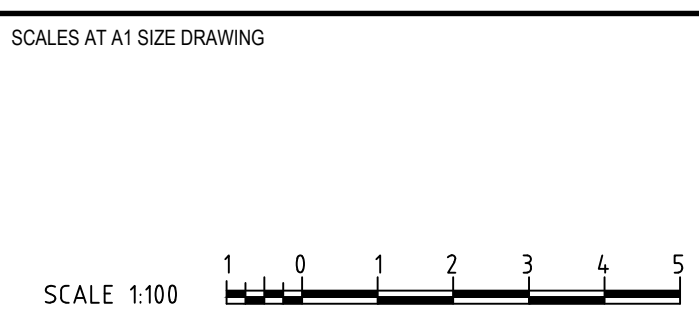
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WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A TYPICAL ROAD CROSS SECTIONS SHEET 2			
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	CONCEPT	30013454.01.REF042	07



DRAWING FILE LOCATION / NAME
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	04	22.11.2023	ISSUE FOR REF
	05	08.12.2023	ISSUE FOR REF
	06	13.02.2024	ISSUE FOR REF
	07	22.04.2024	ISSUE FOR REF

WVR No.	APPROVAL	TITLE	NAME
02	MP	DRAFTER	M. ALIMARDANI
03	MP	DRAFTING CHECK	D. THAPA
04	MP	DESIGNER	A. ESTEPHEN
05	MP	DESIGN CHECK	M. PATEL
07	MP	PROJECT MANAGER	M. PATEL
12	MP	PROJECT DIRECTOR	D. FAVOTTO



DESIGNER

SMC

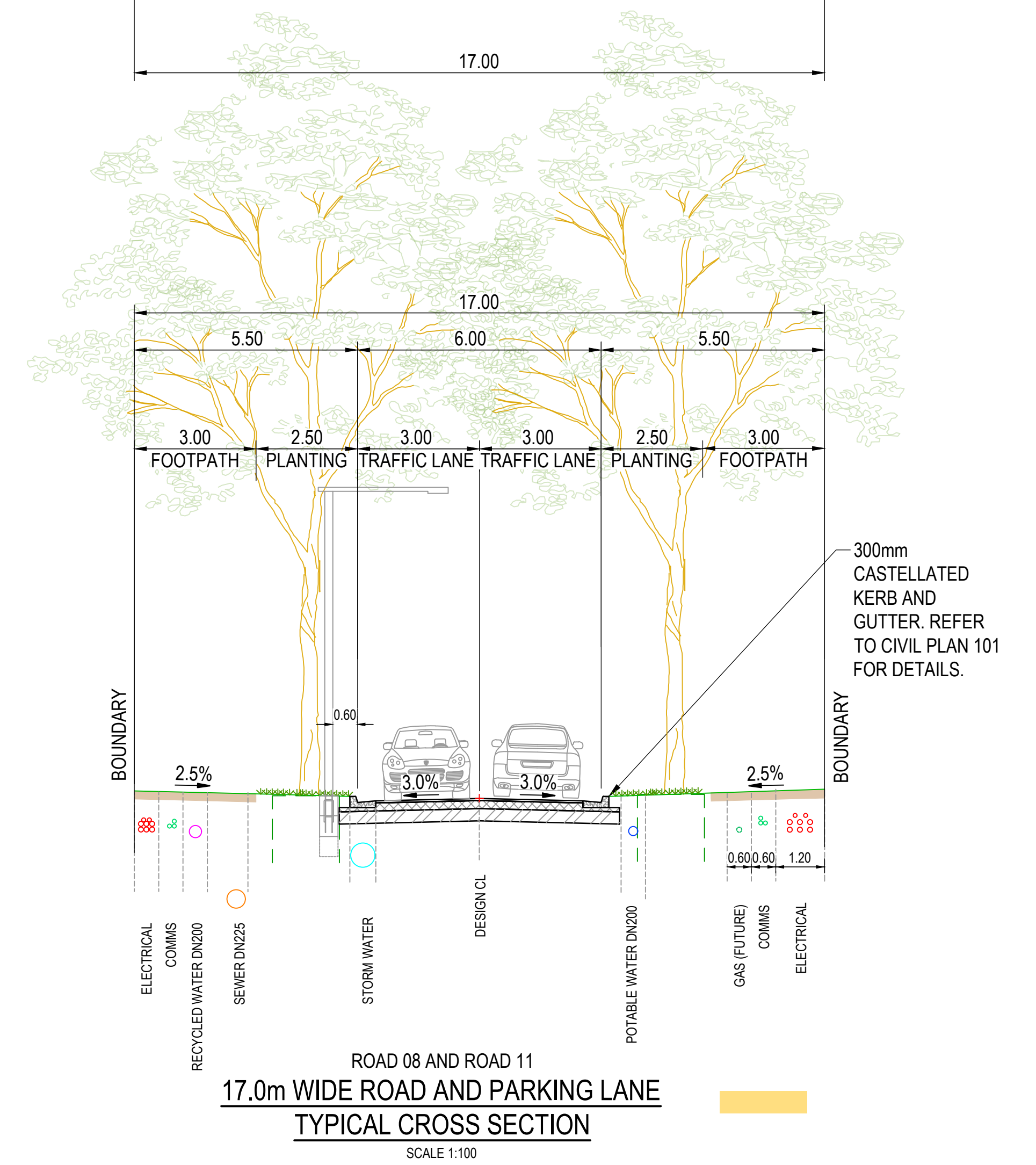
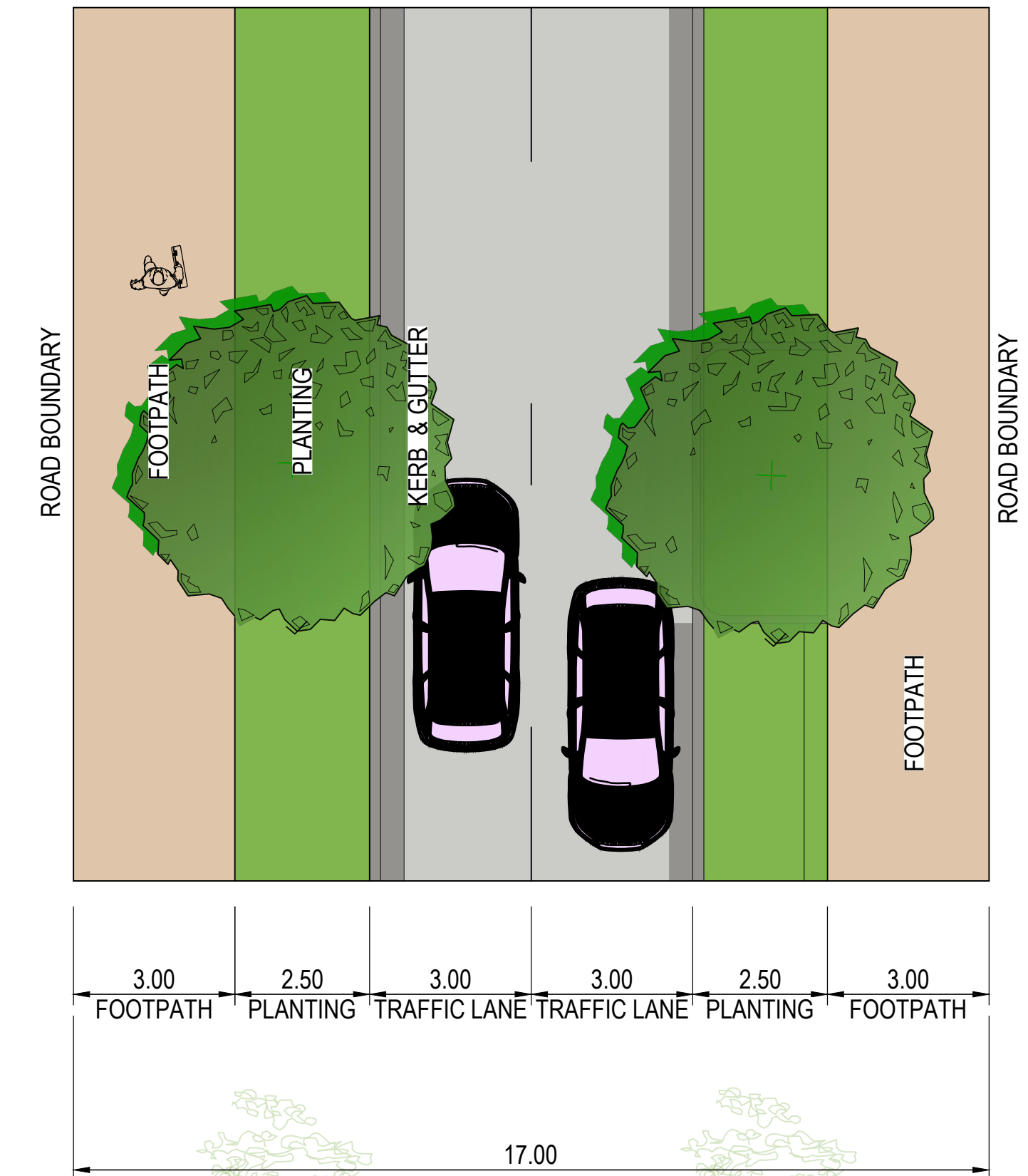
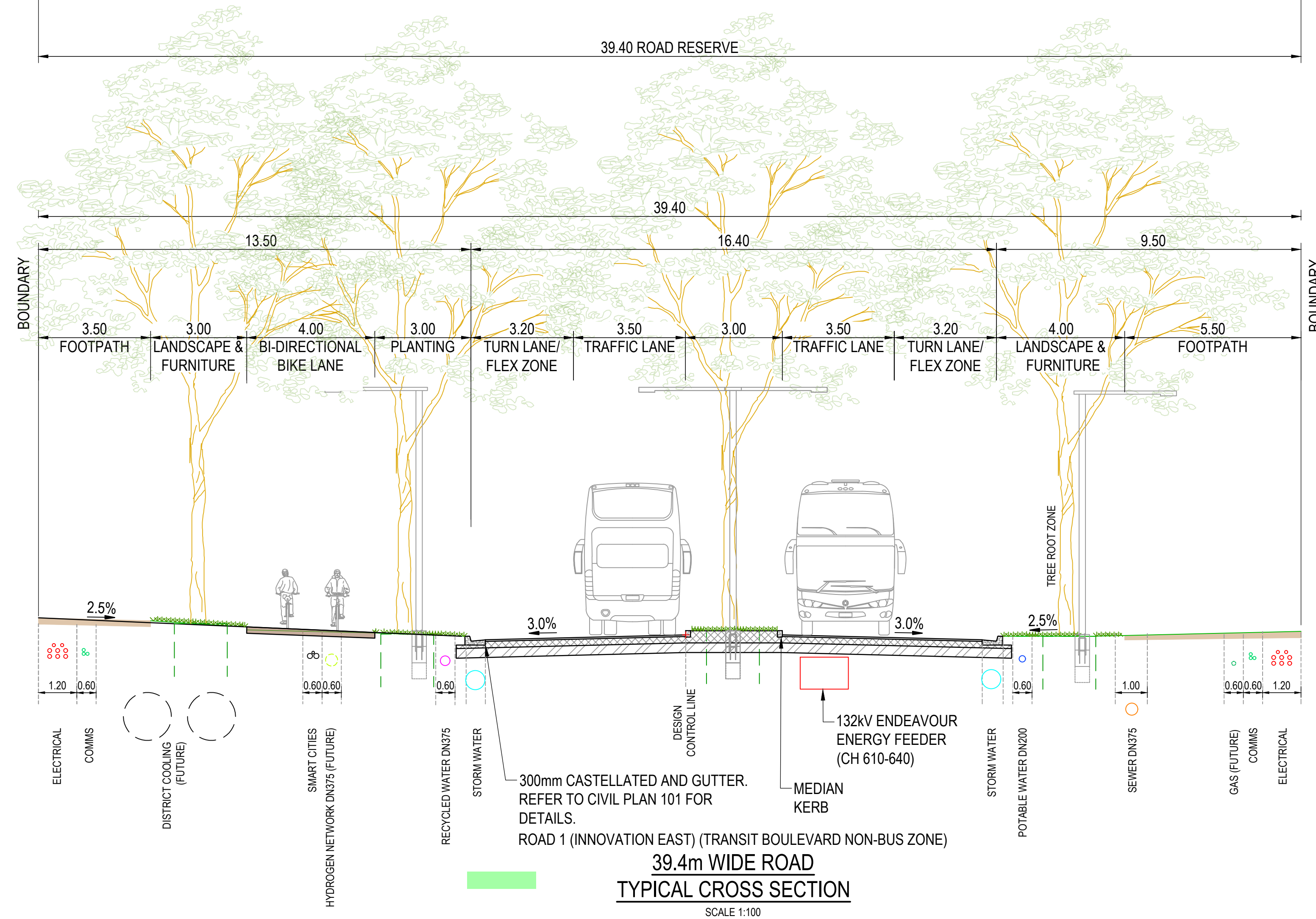
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PARRAMATTA NSW. 2150
PH +61 2 9900 7100
SMC PROJECT No. 30013454

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Western Parkland City Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A TYPICAL ROAD CROSS SECTIONS SHEET 3			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF043	REVISION 07



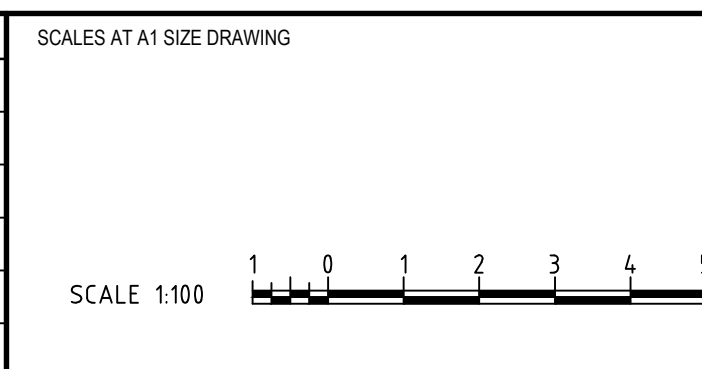
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PLOT DATE
26/04/2024

TIME
2:44:58 pm

REV	DATE	AMENDMENT / REVISION DESCRIPTION
01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW
02	27.09.2023	Stage 2 - REF 2(a) ISSUE
03	27.10.2023	ISSUE FOR REF
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06	13.02.2024	ISSUE FOR REF
07	22.04.2024	ISSUE FOR REF

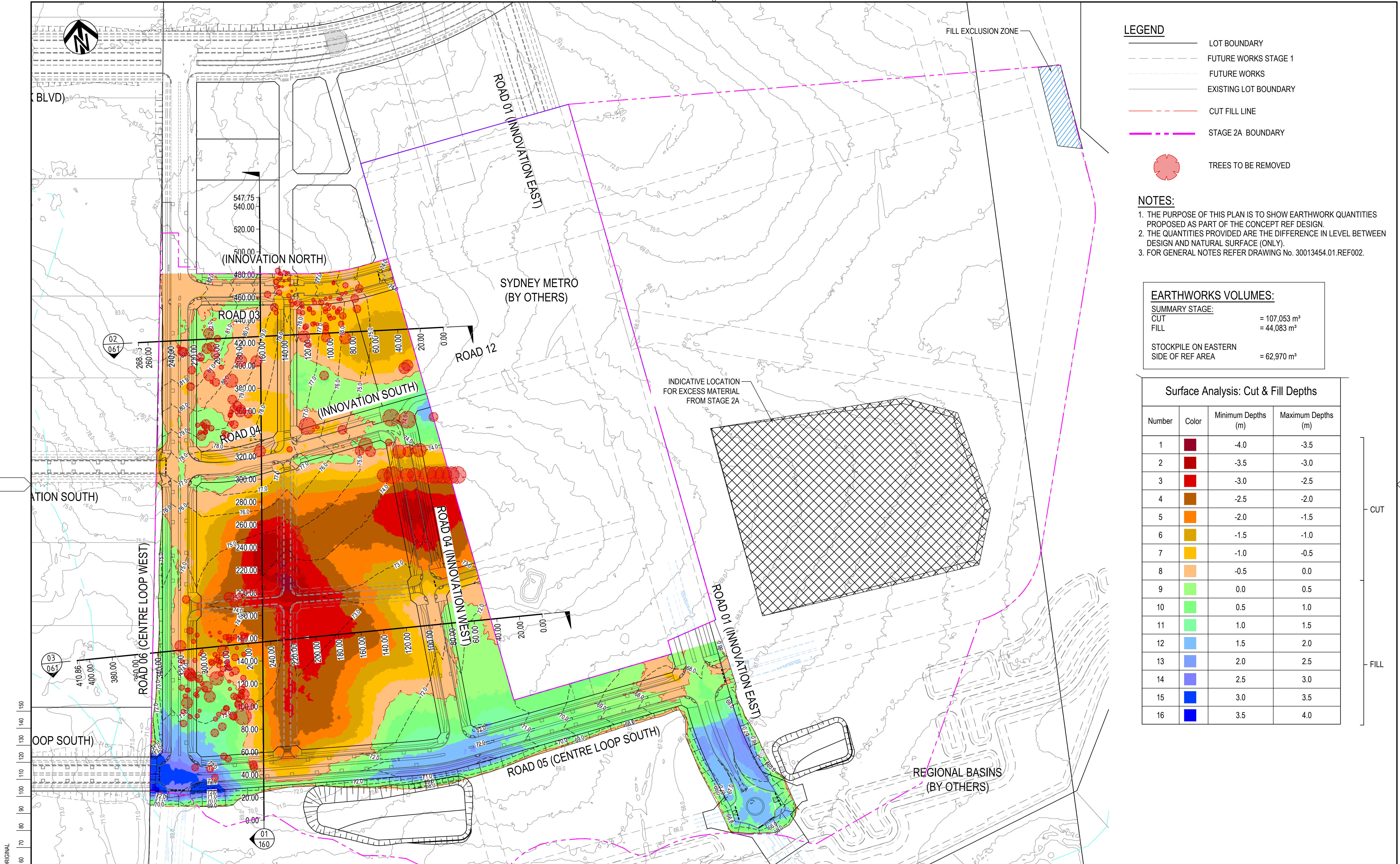
WVR No.	APPROVAL	TITLE	NAME
02	MP	DRAFTER	M. ALIMARDANI
03	MP	DRAFTING CHECK	D. THAPA
04	MP	DESIGNER	A. ESTEPHEN
05	MP	DESIGN CHECK	M. PATEL
07	MP	PROJECT MANAGER	M. PATEL
12	MP	PROJECT DIRECTOR	D. FAVOTTO



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PARRAMATTA NSW, 2150
PH +61 2 9900 7100
SMC PROJECT No. 30013454

CLIENT
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GOVERNMENT
Western Parkland City
Authority

PROJECT TITLE	WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A
TYPICAL ROAD CROSS SECTIONS SHEET 4	
SCALE	AS NOTED
PHASE	CONCEPT
PROJECT / DRAWING No.	30013454.01.REF044
REVISION	07



LEGEND

- LOT BOUNDARY
- FUTURE WORKS STAGE 1
- FUTURE WORKS
- EXISTING LOT BOUNDARY
- CUT FILL LINE
- STAGE 2A BOUNDARY
- TREES TO BE REMOVED

- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW EARTHWORK QUANTITIES PROPOSED AS PART OF THE CONCEPT REF DESIGN.
 - THE QUANTITIES PROVIDED ARE THE DIFFERENCE IN LEVEL BETWEEN DESIGN AND NATURAL SURFACE (ONLY).
 - FOR GENERAL NOTES REFER DRAWING No. 30013454.01.REF002.

EARTHWORKS VOLUMES:	
SUMMARY STAGE:	
CUT	= 107,053 m³
FILL	= 44,083 m³
STOCKPILE ON EASTERN SIDE OF REF AREA	
	= 62,970 m³

Surface Analysis: Cut & Fill Depths			
Number	Color	Minimum Depths (m)	Maximum Depths (m)
1		-4.0	-3.5
2		-3.5	-3.0
3		-3.0	-2.5
4		-2.5	-2.0
5		-2.0	-1.5
6		-1.5	-1.0
7		-1.0	-0.5
8		-0.5	0.0
9		0.0	0.5
10		0.5	1.0
11		1.0	1.5
12		1.5	2.0
13		2.0	2.5
14		2.5	3.0
15		3.0	3.5
16		3.5	4.0

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EXTERNAL REFERENCE FILES

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02	27.09.2023	Stage 2 - REF 2(a) ISSUE
03	27.10.2023	ISSUE FOR REF
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05	08.12.2023	ISSUE FOR REF
06	13.02.2024	ISSUE FOR REF
07	22.04.2024	ISSUE FOR REF

PLOT DATE
26/04/2024

TIME
2:47:36 pm

WVR No.	APPROVAL	TITLE	NAME
02	MP	DRAFTER	M. ALIMARDANI
03	MP	DRAFTING CHECK	D. THAPA
04	MP	DESIGNER	A. ESTEPHEN
05	MP	DESIGN CHECK	M. PATEL
07	MP	PROJECT MANAGER	M. PATEL
15	MP	PROJECT DIRECTOR	D. FAVOTTO

SCALES AT A1 SIZE DRAWING

SCALE 1:1500

0 30 60

DESIGNER

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PARRAMATTA NSW, 2150
PH +61 2 9900 7100
SMC PROJECT No. 30013454

CLIENT

Western Parkland City Authority

PROJECT TITLE

WESTERN SYDNEY PARKLAND AUTHORITY
BRADFIELD - STAGE 2A
CUT AND FILL PLAN

SCALE

AS NOTED

PHASE

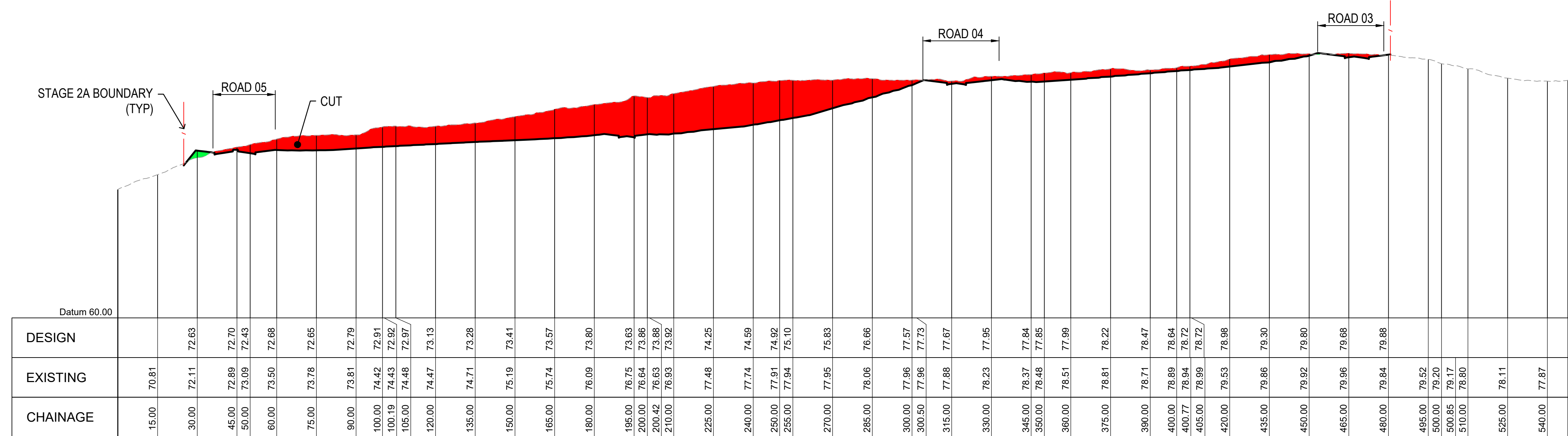
CONCEPT

PROJECT / DRAWING No.

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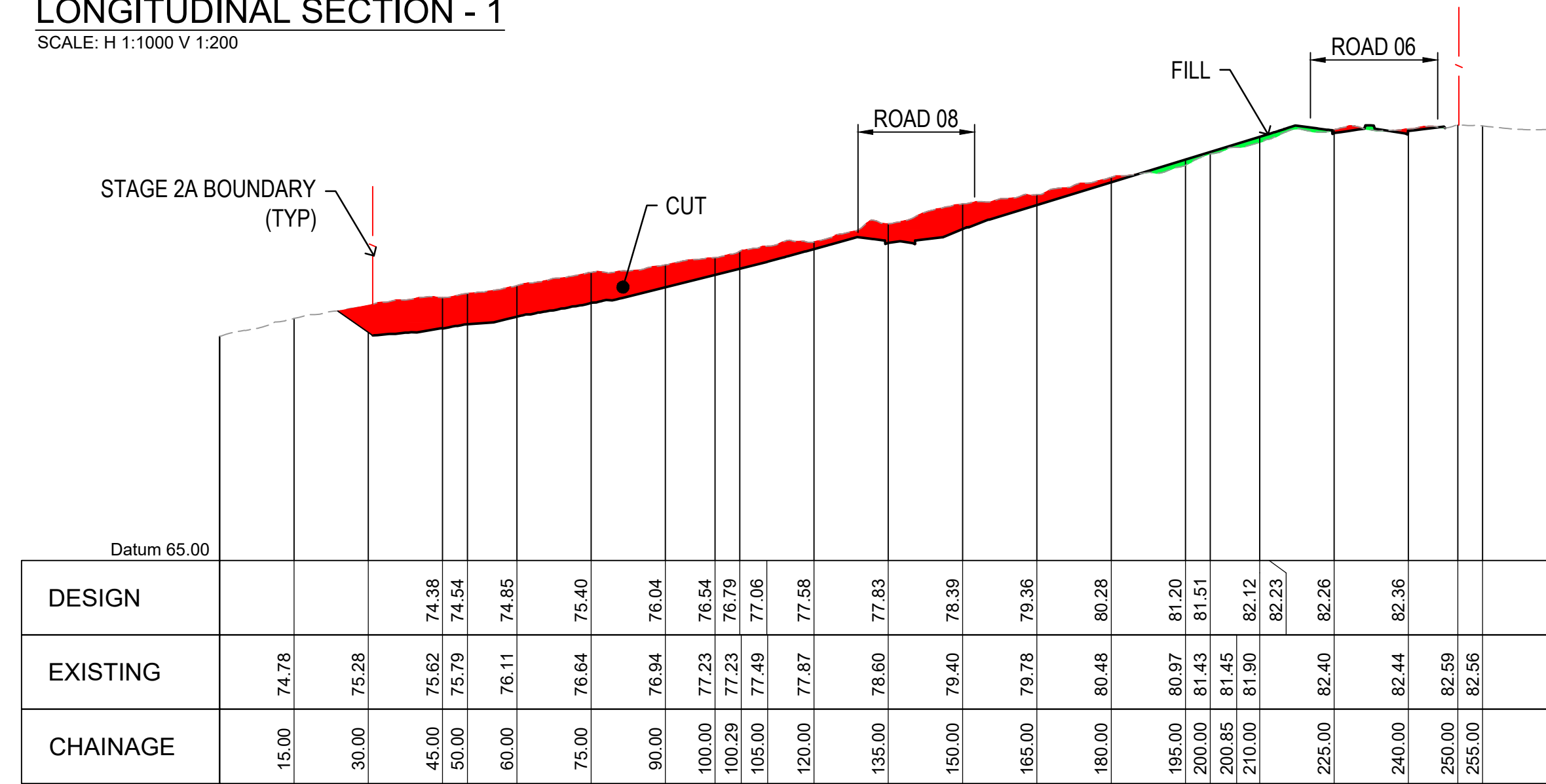
REVISION

07



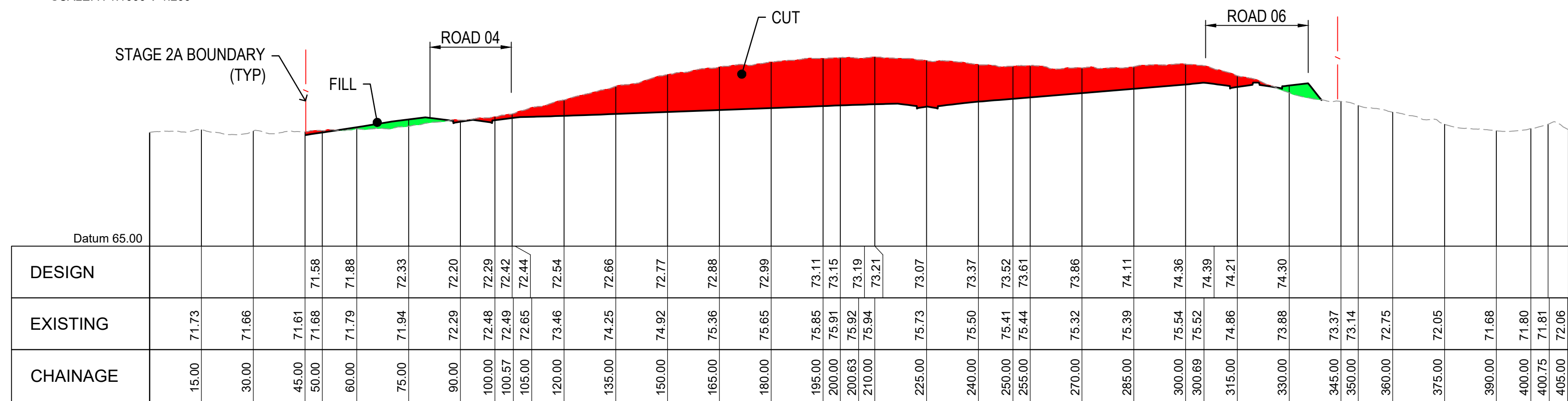
LONGITUDINAL SECTION - 1

SCALE: H 1:1000 V 1:200



LONGITUDINAL SECTION - 2

SCALE: H 1:1000 V 1:200



LONGITUDINAL SECTION - 3

SCALE: H 1:1000 V 1:200

DRAWING FILE LOCATION / NAME C:\12s\data\SMCE\SYN\30013454 - Bradfield Stage 1_2017\CAD\01_Dwg\01_REF\REF\REF_2A\30013454.01.REF061.dwg				PLOT DATE 26/04/2024		TIME 2:45:50 pm	
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		02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK
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		04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK
		05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER
		06	13.02.2024	ISSUE FOR REF	12	MP	M. PATEL
		07	22.04.2024	ISSUE FOR REF	15	MP	D. FAVOTTO
						PROJECT DIRECTOR	
						SMCE PROJECT No. 30013454	



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PARRAMATTA NSW, 2150
PH +61 2 9900 7100



Western Parkland City
Authority

SCALE 1:1000



SCALE 1:200



PROJECT TITLE

WESTERN SYDNEY PARKLAND AUTHORITY
BRADFIELD - STAGE 2A
CUT AND FILL
SECTIONS

SCALE

AS NOTED

PHASE

CONCEPT

PROJECT / DRAWING No.

30013454.01.REF061

REVISION

07

EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
REFS3199	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP		
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGNER	A. ESTEPHEN
	05	08.12.2023	ISSUE FOR REF	07	MP	DESIGN CHECK	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP		
	07	22.04.2024	ISSUE FOR REF	15	MP	PROJECT MANAGER	M. PATEL
						PROJECT DIRECTOR	D. FAVOTTO

SCALES AT A1 SIZE DRAWING

SCALE 1:1000



A horizontal scale bar with alternating black and white segments. Major tick marks are labeled 10, 0, 10, 20, 30, 40, and 50. The bar represents a total length of 50 units.

SCALE 1:200



A horizontal scale bar with alternating black and white segments. Major tick marks are labeled 2, 0, 2, 4, 6, 8, and 10. The bar represents a total length of 10 units.

DESIGNER

 **SMEC**

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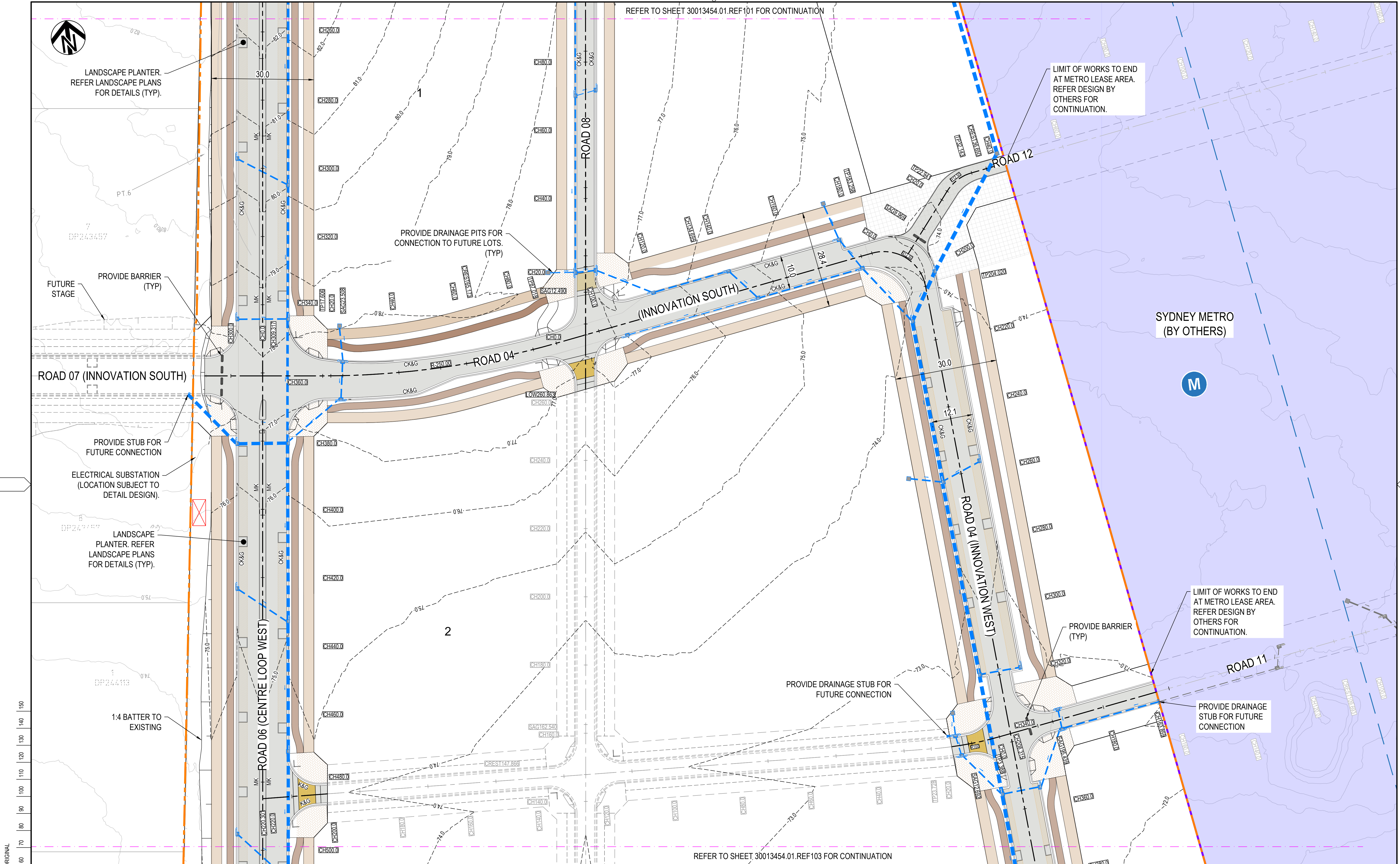
LEVEL 6, 3 HORWOOD PLACE
PARRAMATTA NSW, 2150

PH +61 2 9900 7100

SMEC PROJECT No. 30013454

The logo for the Western Parkland City Authority. It features a red stylized flower icon on the left, followed by a vertical line, and then the text "NSW GOVERNMENT" in blue. To the right of this is the text "Western Parkland City Authority" in a larger blue font, with "Authority" on a new line.

PROJECT TITLE				WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A CUT AND FILL SECTIONS			
SCALE		PHASE		PROJECT / DRAWING No.		REVISION	
AS NOTED		CONCEPT		30013454.01.REF061		07	

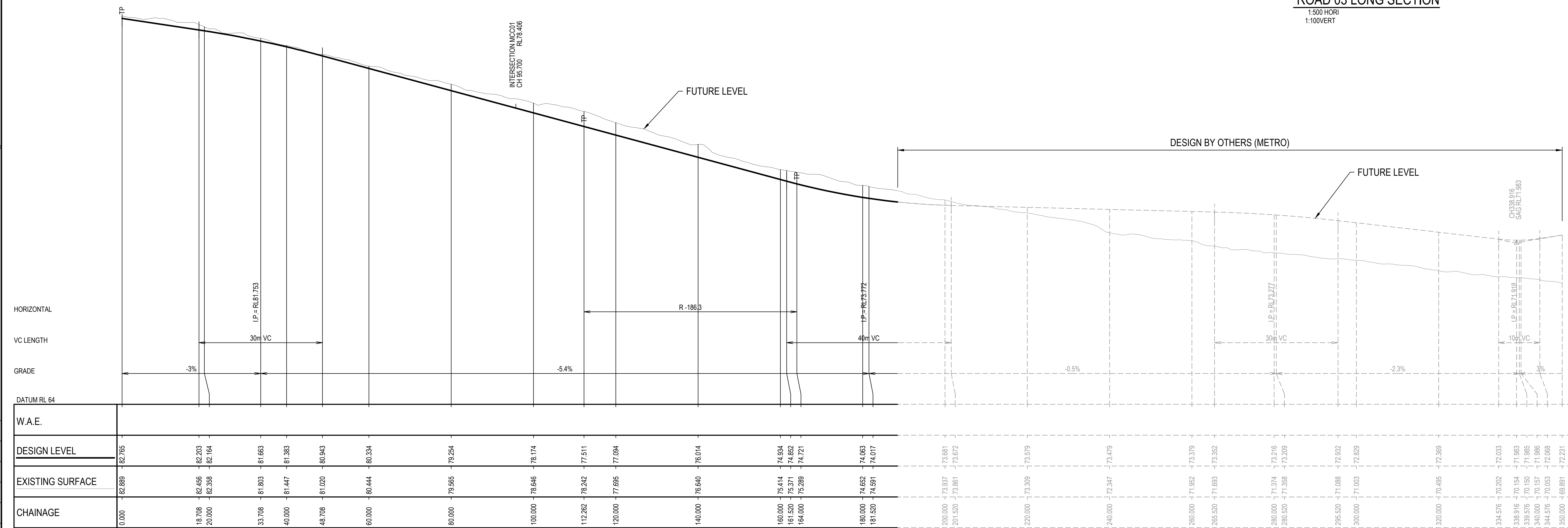


150 mm OA

150 mm ON ORIGINAL

A1

INTERSECTION ROAD 08
CH 0.000
RL 82.765

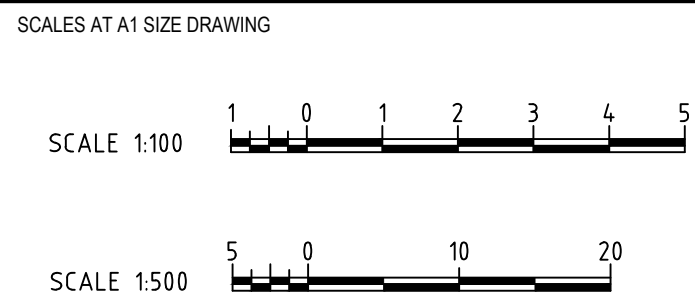


ROAD 03 (INNOVATION NORTH) LONG SECTION

1:500 HORI
1:100 VERT

DRAWING FILE LOCATION / NAME
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	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP		
	07	22.04.2024	ISSUE FOR REF	15	MP	PROJECT DIRECTOR	D. FAVOTTO



DESIGNER

 **SMC**

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© ABN 47 065 475 149
LEVEL 6, 3 HORWOOD PLACE
PARRAMATTA NSW, 2150
PH +61 2 9900 7100

SMC PROJECT No. 30013454

CLIENT

 **Western Parkland City Authority**

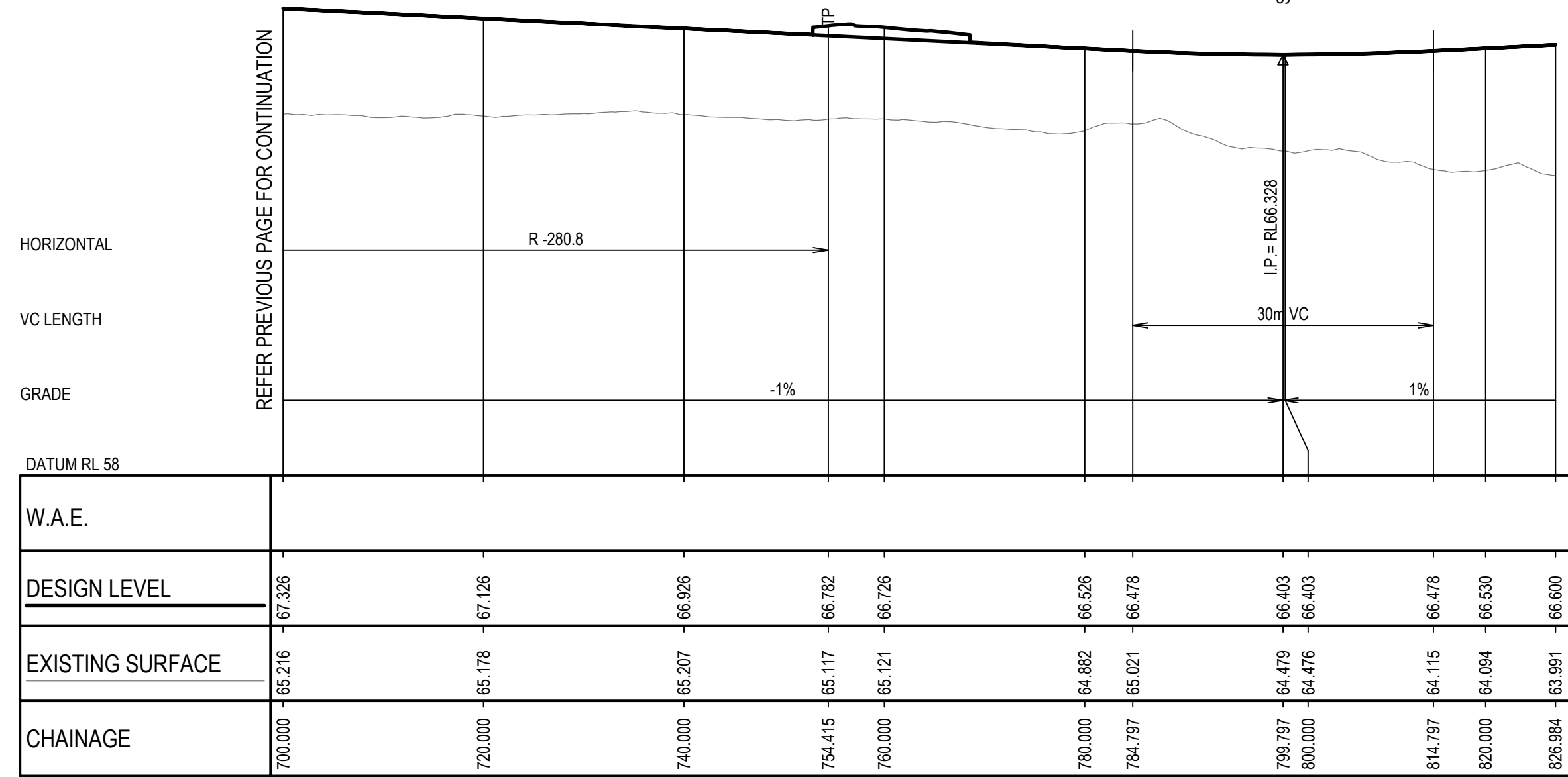
PROJECT TITLE

WESTERN SYDNEY PARKLAND AUTHORITY
BRADFIELD - STAGE 2A
ROAD LONGITUDINAL
SECTIONS
SHEET 2

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	CONCEPT	30013454.01.REF202	07

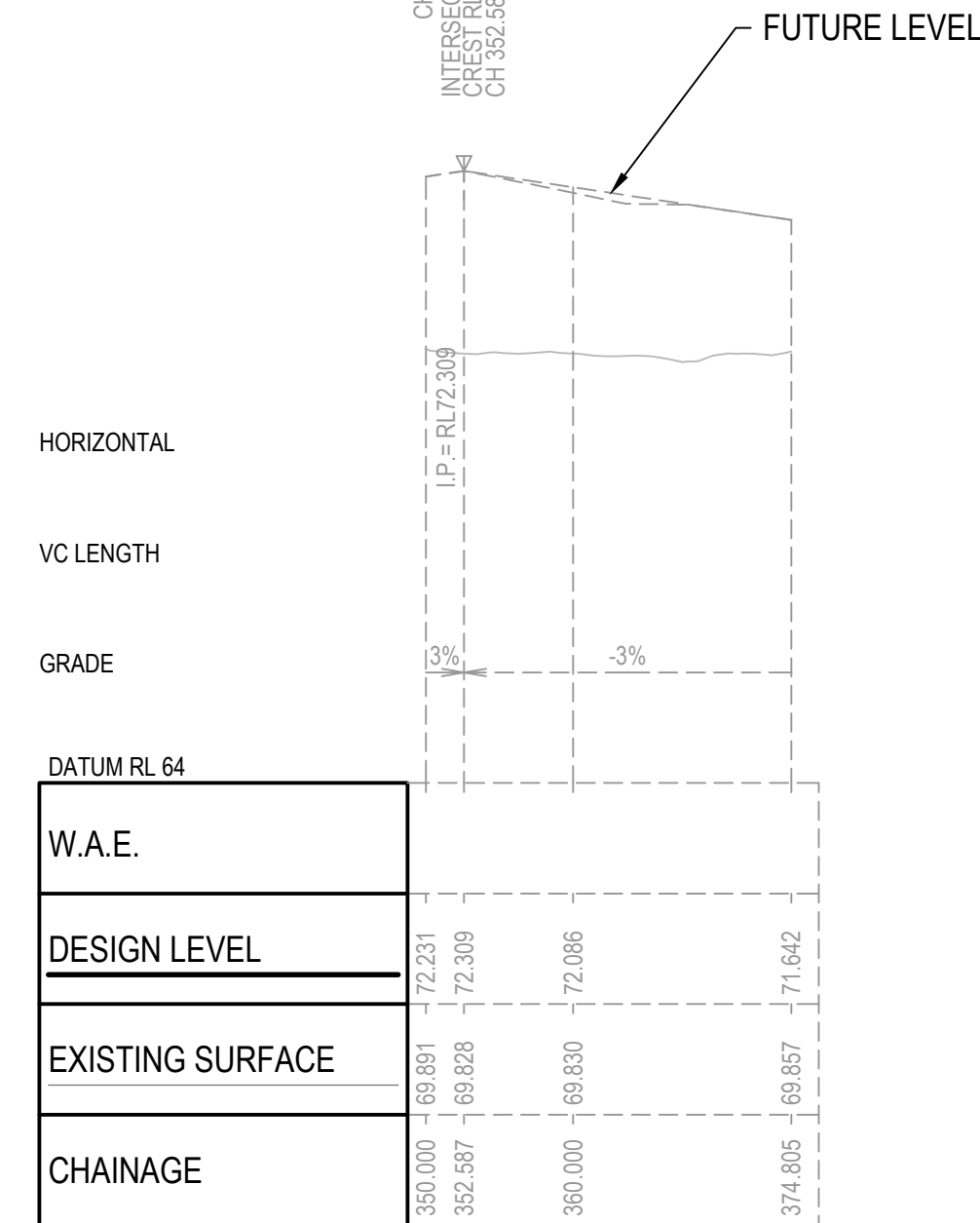
ROAD 01 (INNOVATION EAST) LONG SECTION

1:500 HORI
1:100 VERT



ROAD 03 LONG SECTION

1:500 HORI
1:100 VERT

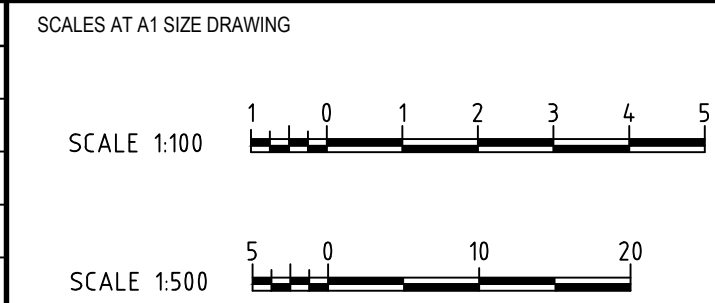


150 mm ON ORIGINAL

A1

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				02	MP	DRAFTING CHECK	D. THAPA
				03	MP	DESIGNER	A. ESTEPHEN
				04	MP	DESIGN CHECK	M. PATEL
				05	MP	PROJECT MANAGER	M. PATEL
				07	MP	PROJECT DIRECTOR	D. FAVOTTO
				12			
				15			

REV	DATE	AMENDMENT / REVISION DESCRIPTION
01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW
02	27.09.2023	Stage 2 - REF 2(a) ISSUE
03	27.10.2023	ISSUE FOR REF
04	22.11.2023	ISSUE FOR REF
05	08.12.2023	ISSUE FOR REF
06	13.02.2024	ISSUE FOR REF
07	22.04.2024	ISSUE FOR REF



DESIGNER

 **SMC**

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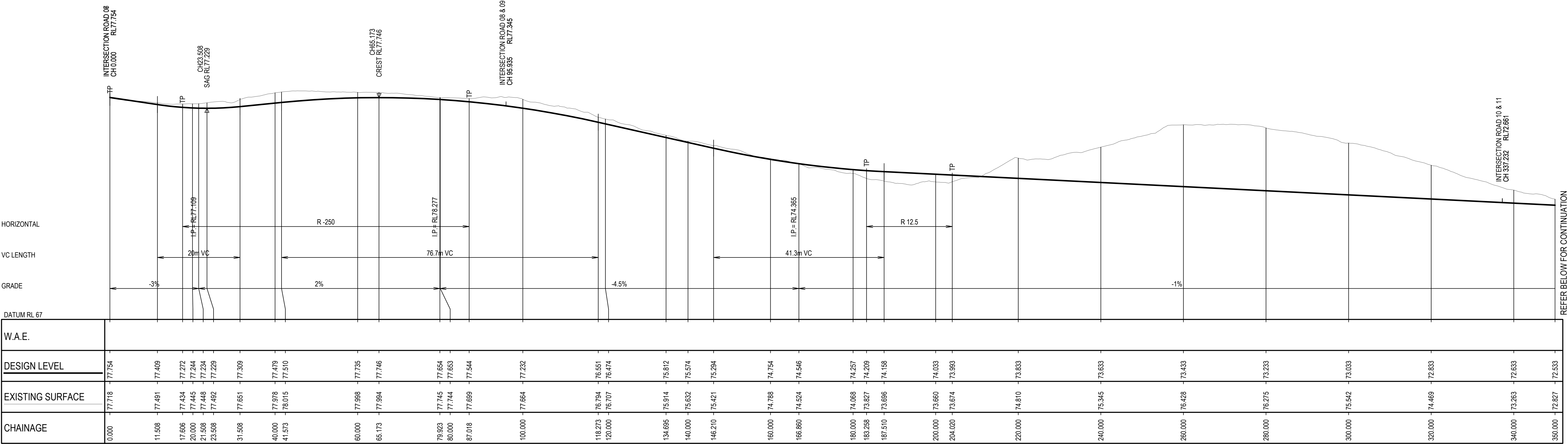
SMC PROJECT No. 30013454

CLIENT

 **NSW** GOVERNMENT

 **Western Parkland City** Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A ROAD LONGITUDINAL SECTIONS SHEET 3			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF203	REVISION 07



ROAD 04 (INNOVATION SOUTH & INNOVATION WEST) LONG SECTION

1:500 HORI
1:100VERT



ROAD 04 (INNOVATION SOUTH & INNOVATION WEST) LONG SECTION

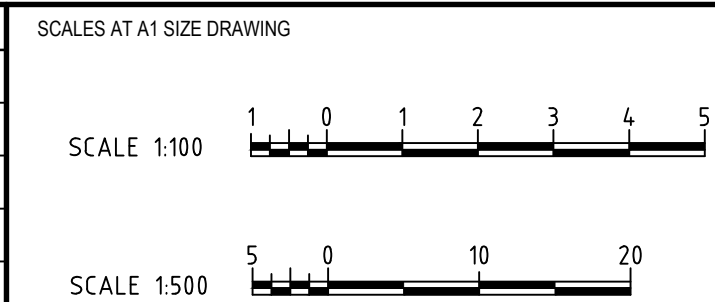
1:500 HORI
1:100VERT

150 mm ON ORIGINAL

A1

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	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		

DRAWING FILE LOCATION / NAME C:\12d\data\SMCE\SYN\30013454 - Bradfield Stage 1_2017\CAD\01_Dwg\01_REF\REF\REF_2A\30013454.01.REF205.dwg				PLOT DATE 26/04/2024		TIME 2:44:49 pm	
EXTERNAL REFERENCE FILES				WVR No.	APPROVAL	TITLE	NAME
	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



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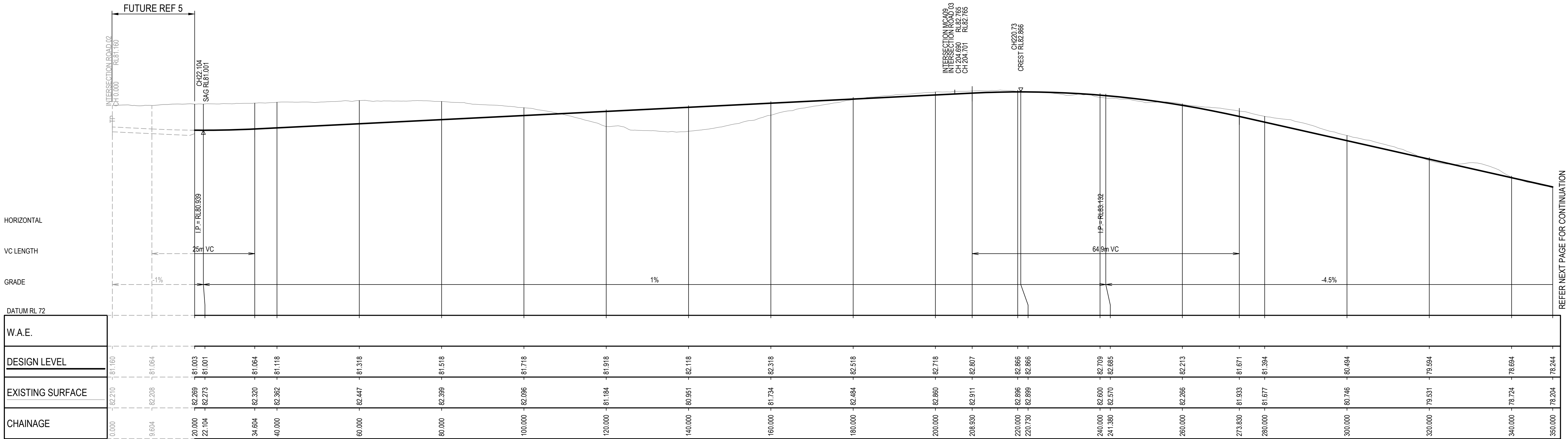
SMC PROJECT No. 30013454

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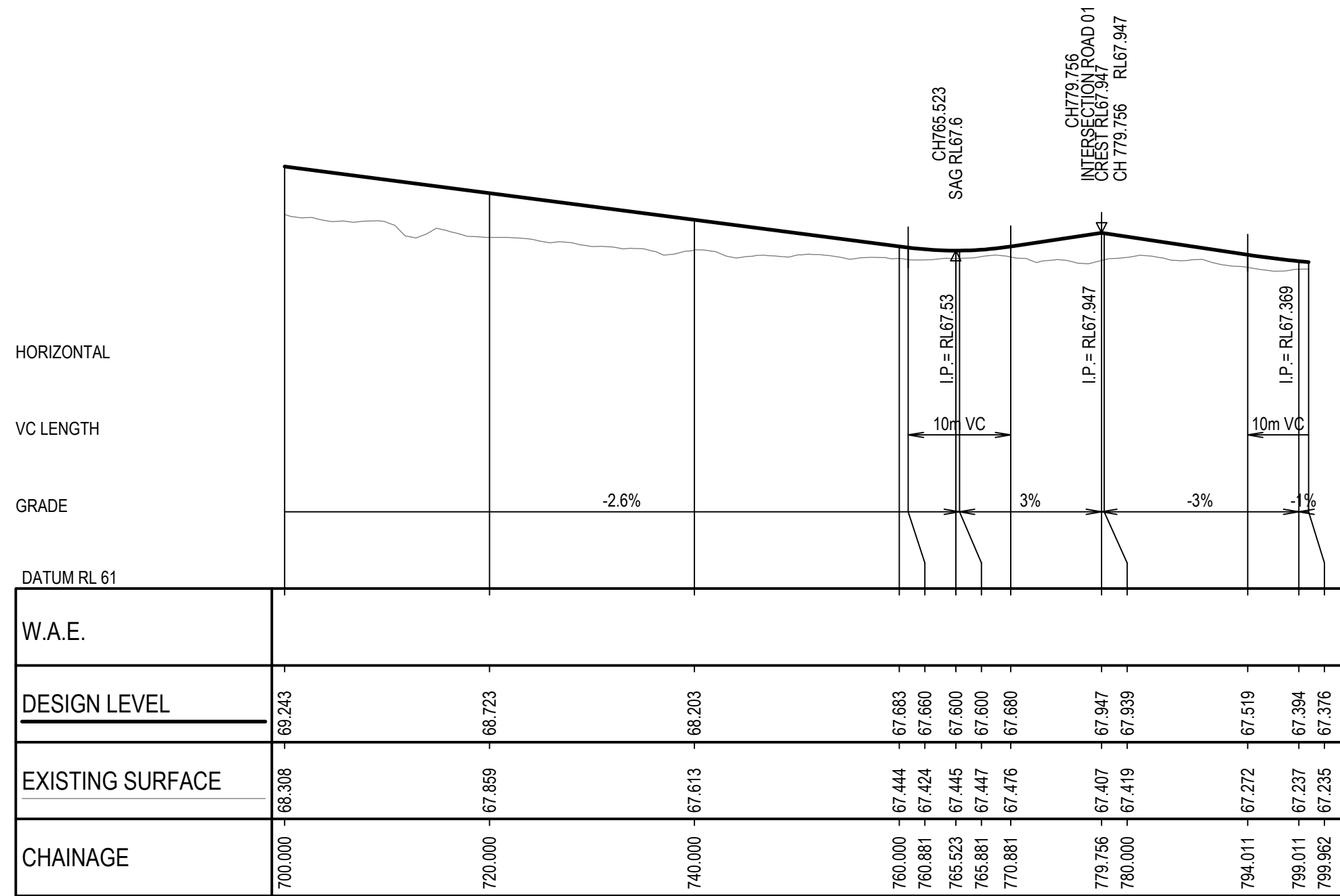
 **Western Parkland City**
Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A ROAD LONGITUDINAL SECTIONS SHEET 5				SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF205	REVISION 07
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ROAD 06 (CENTRE LOOP WEST) LONG SECTION

1:500 HORI
1:100 VERT



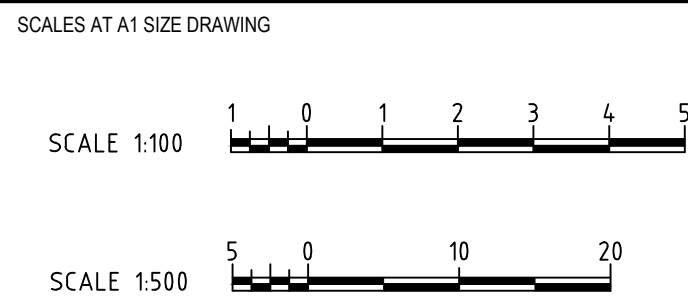
ROAD 05 (CENTRE LOOP SOUTH) LONG SECTION

1:500 HORI
1:100 VERT

A1
150 mm ON ORIGINAL

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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



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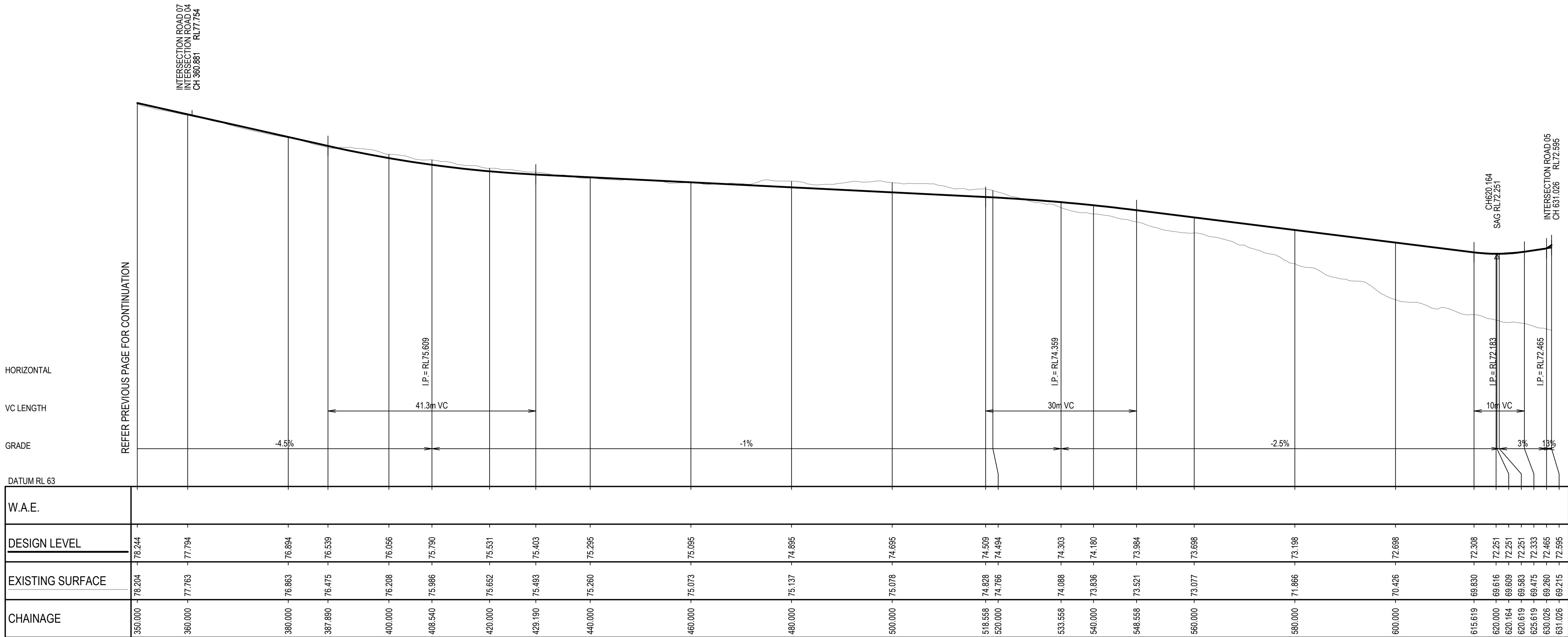
SMCE PROJECT No. 30013454

CLIENT

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GOVERNMENT

**Western Parkland City**
Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A ROAD LONGITUDINAL SECTIONS SHEET 6			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF206	REVISION 07

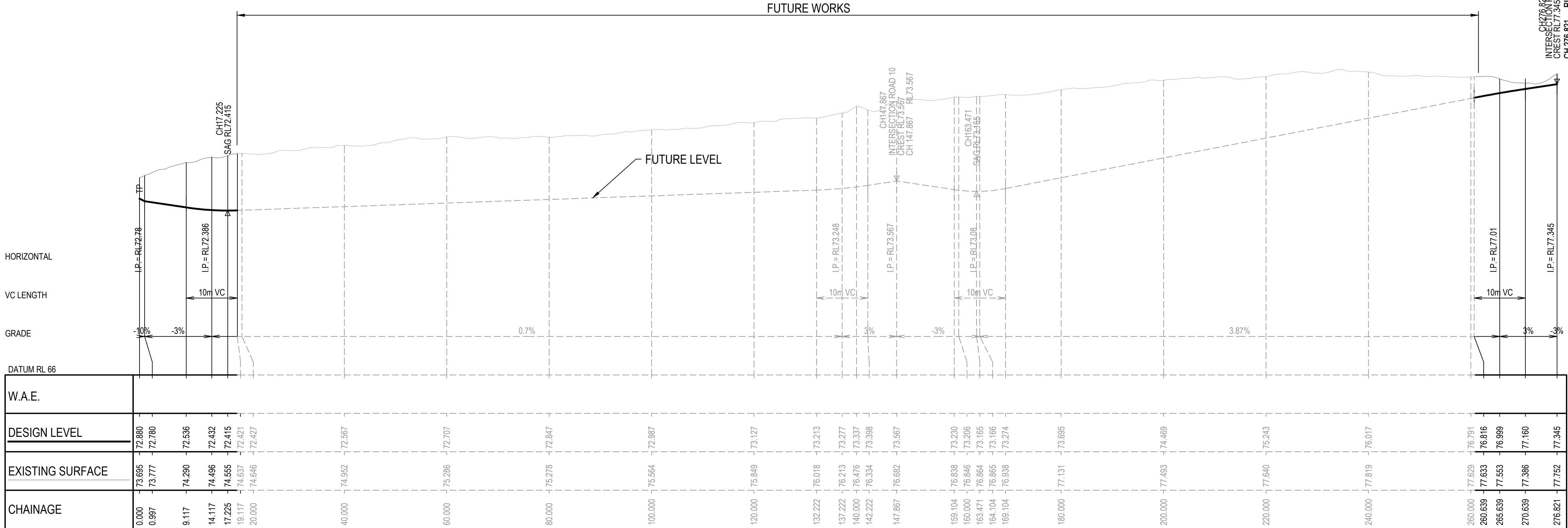
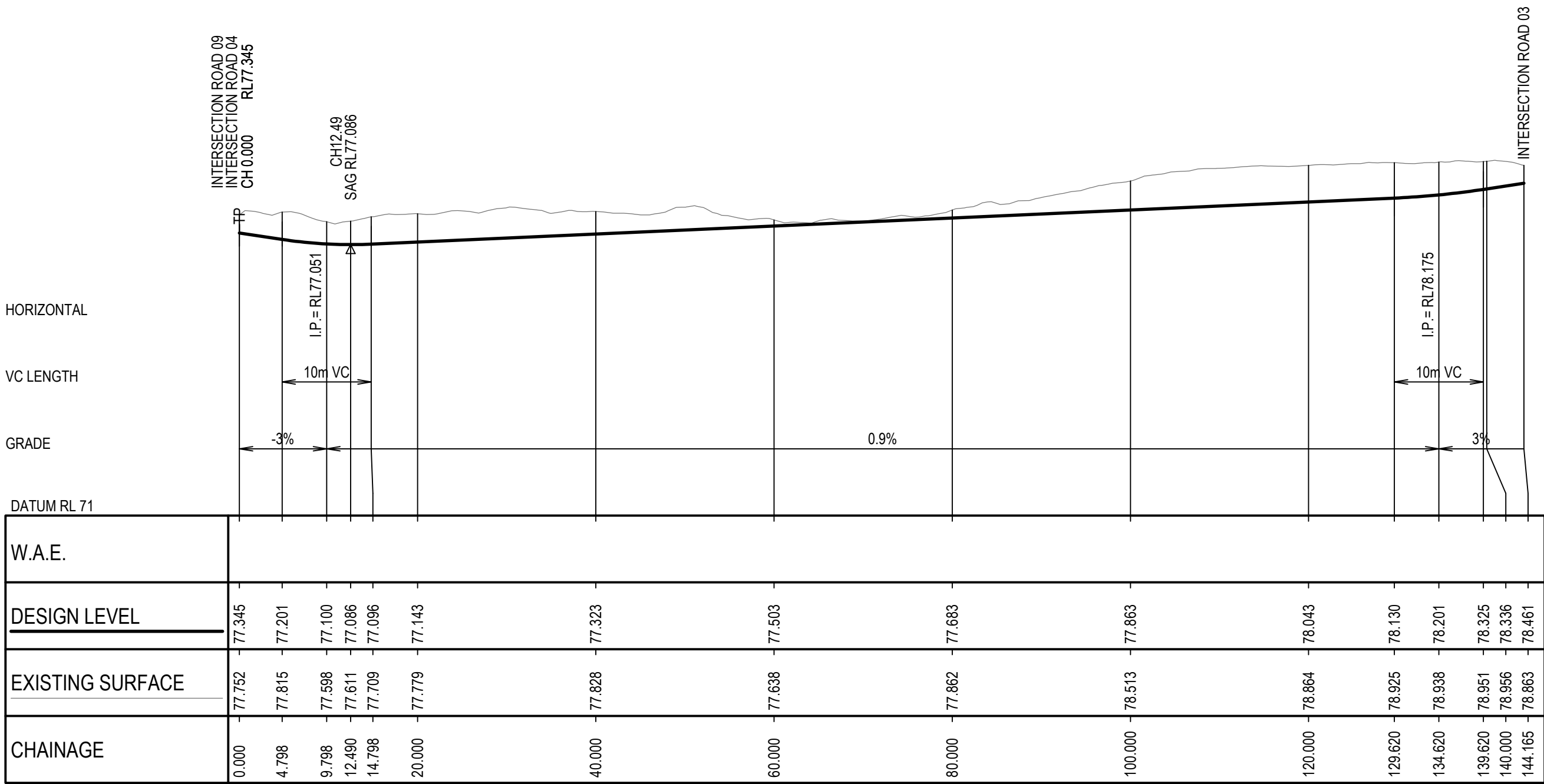


A1
150 mm ON ORIGINAL

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ROAD 08 LONG SECTION

1:500 HORI
1:100 VERT



ROAD 09 LONG SECTION

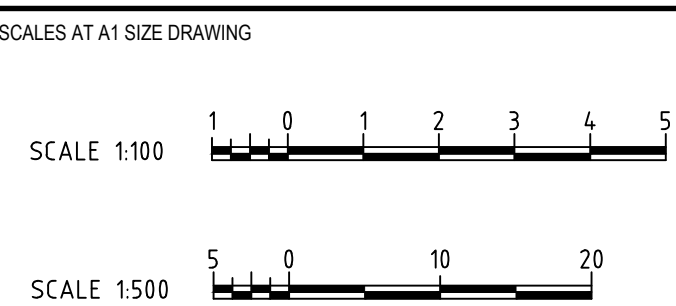
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PLOT DATE
26/04/2024

TIME
2:44:58 pm

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	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



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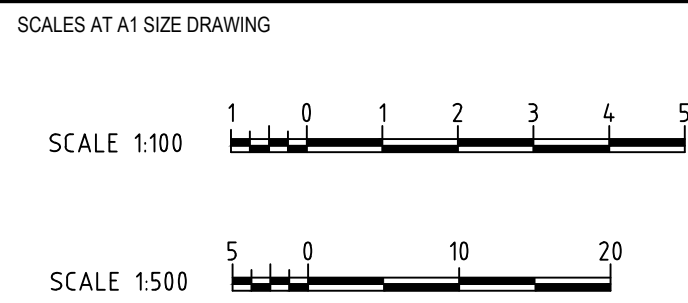
 **Western Parkland City**
Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A ROAD LONGITUDINAL SECTIONS SHEET 7			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF207	REVISION 07

150 mm ON ORIGINAL

A1

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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP		
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	05	08.12.2023	ISSUE FOR REF	07	MP	DESIGN CHECK	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT MANAGER	M. PATEL
	07	22.04.2024	ISSUE FOR REF	15	MP	PROJECT DIRECTOR	D. FAVOTTO



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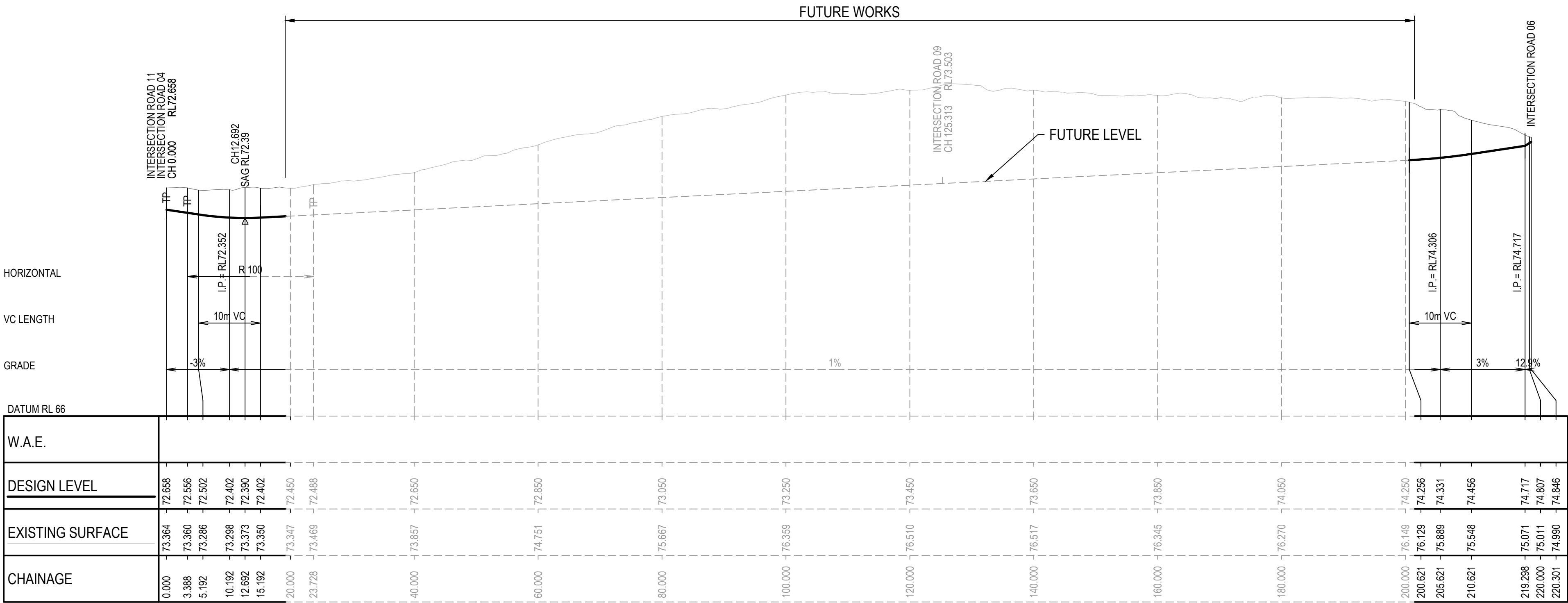
SMC PROJECT No. 30013454

CLIENT

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 **Western Parkland City** Authority

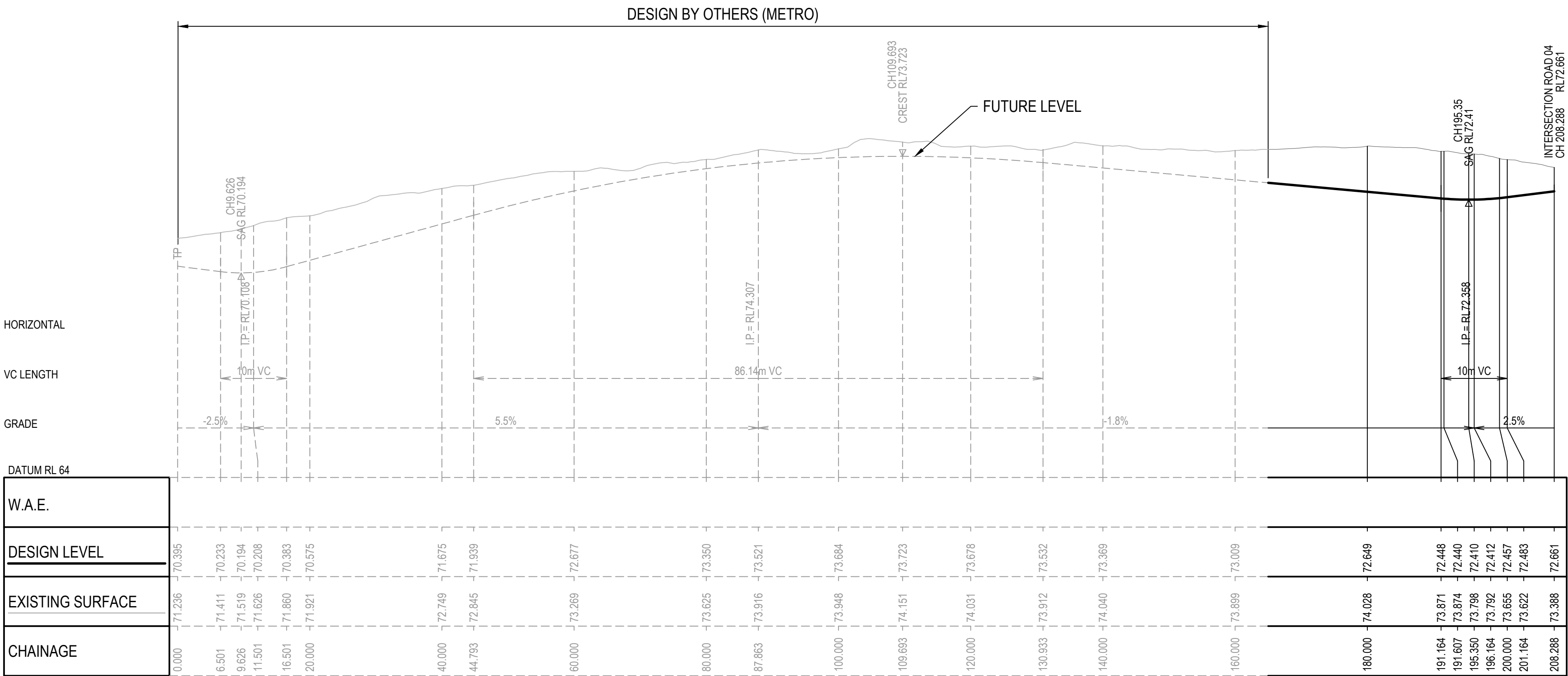
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WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A ROAD LONGITUDINAL SECTIONS SHEET 8				AS NOTED		CONCEPT		30013454.01.REF208		07	



ROAD 10 LONG SECTION

1:500 HORI

1:100 VERT



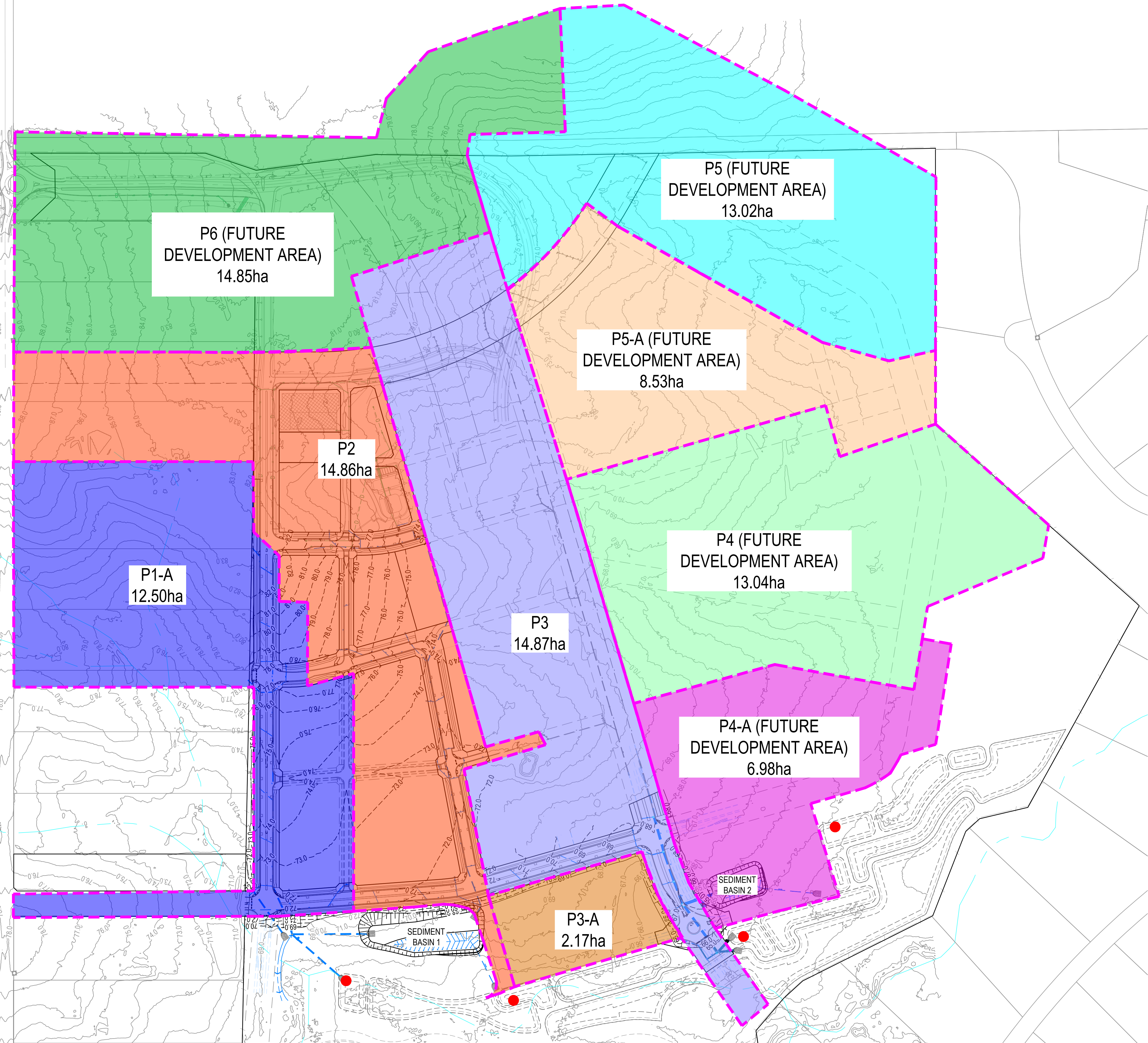
ROAD 11 LONG SECTION

1:500 HORI

1:100 VERT



- LEGEND**
- PROPOSED LOT BOUNDARY
 - FUTURE WORKS STAGE 1
 - FUTURE WORKS
 - EXISTING LOT BOUNDARY
 - EXTENT OF WORK (BY OTHERS)
 - DRAINAGE PIPE WITH PIT
 - CATCHMENT BOUNDARY
 - CATCHMENT FLOW ARROW
 - FUTURE POINT OF DISCHARGE (SUBJECT TO SEPARATE APPROVAL PROCESS)

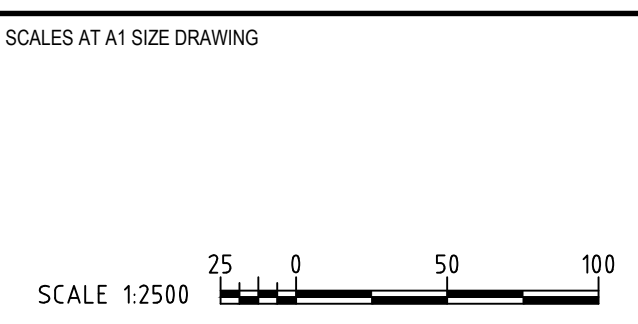


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PLOT DATE
26/04/2024

TIME
2:46:27 pm

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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



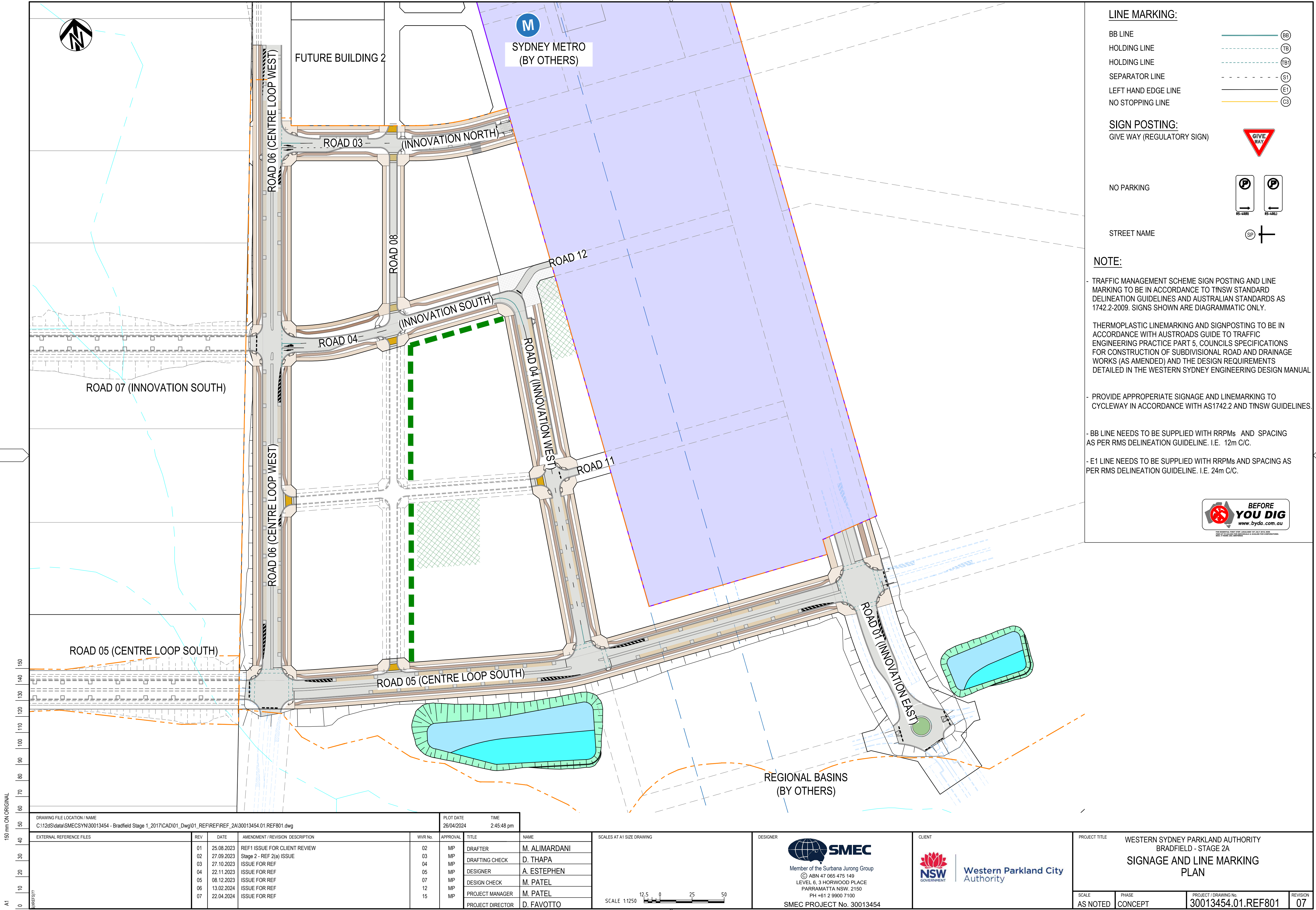
DESIGNER

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SMEC PROJECT No. 30013454

CLIENT

Western Parkland City
Authority

PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A CATCHMENT PLAN			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF501	REVISION 07



LINE MARKING:

BB LINE		BB
HOLDING LINE		TB
HOLDING LINE		TB
SEPARATOR LINE		S1
LEFT HAND EDGE LINE		E1
NO STOPPING LINE		C3

SIGN POSTING:
GIVE WAY (REGULATORY SIGN)

NO PARKING

STREET NAME

NOTE:

- TRAFFIC MANAGEMENT SCHEME SIGN POSTING AND LINE MARKING TO BE IN ACCORDANCE TO TNSW STANDARD DELINEATION GUIDELINES AND AUSTRALIAN STANDARDS AS 1742.2-2009. SIGNS SHOWN ARE DIAGRAMMATIC ONLY.
- THERMOPLASTIC LINEMARKING AND SIGNPOSTING TO BE IN ACCORDANCE WITH AUSTRROADS GUIDE TO TRAFFIC ENGINEERING PRACTICE PART 5, COUNCILS SPECIFICATIONS FOR CONSTRUCTION OF SUBDIVISIONAL ROAD AND DRAINAGE WORKS (AS AMENDED) AND THE DESIGN REQUIREMENTS DETAILED IN THE WESTERN SYDNEY ENGINEERING DESIGN MANUAL.
- PROVIDE APPROPRIATE SIGNAGE AND LINEMARKING TO CYCLEWAY IN ACCORDANCE WITH AS1742.2 AND TNSW GUIDELINES.
- BB LINE NEEDS TO BE SUPPLIED WITH RRPMS AND SPACING AS PER RMS DELINEATION GUIDELINE. I.E. 12m C/C.
- E1 LINE NEEDS TO BE SUPPLIED WITH RRPMS AND SPACING AS PER RMS DELINEATION GUIDELINE. I.E. 24m C/C.



150 mm ON ORIGINAL

A1

DRAWING FILE LOCATION / NAME C:\12d\data\SMESYN\30013454 - Bradfield Stage 1_2017\CAD\01_Dwg\01_REF\REF_2A\30013454_01.REF801.dwg				PLOT DATE 26/04/2024		TIME 2:45:48 pm	
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		

SCALES AT A1 SIZE DRAWING

SCALE 1:1250

DESIGNER

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LEVEL 6, 3 HORWOOD PLACE

PARRAMATTA NSW. 2150

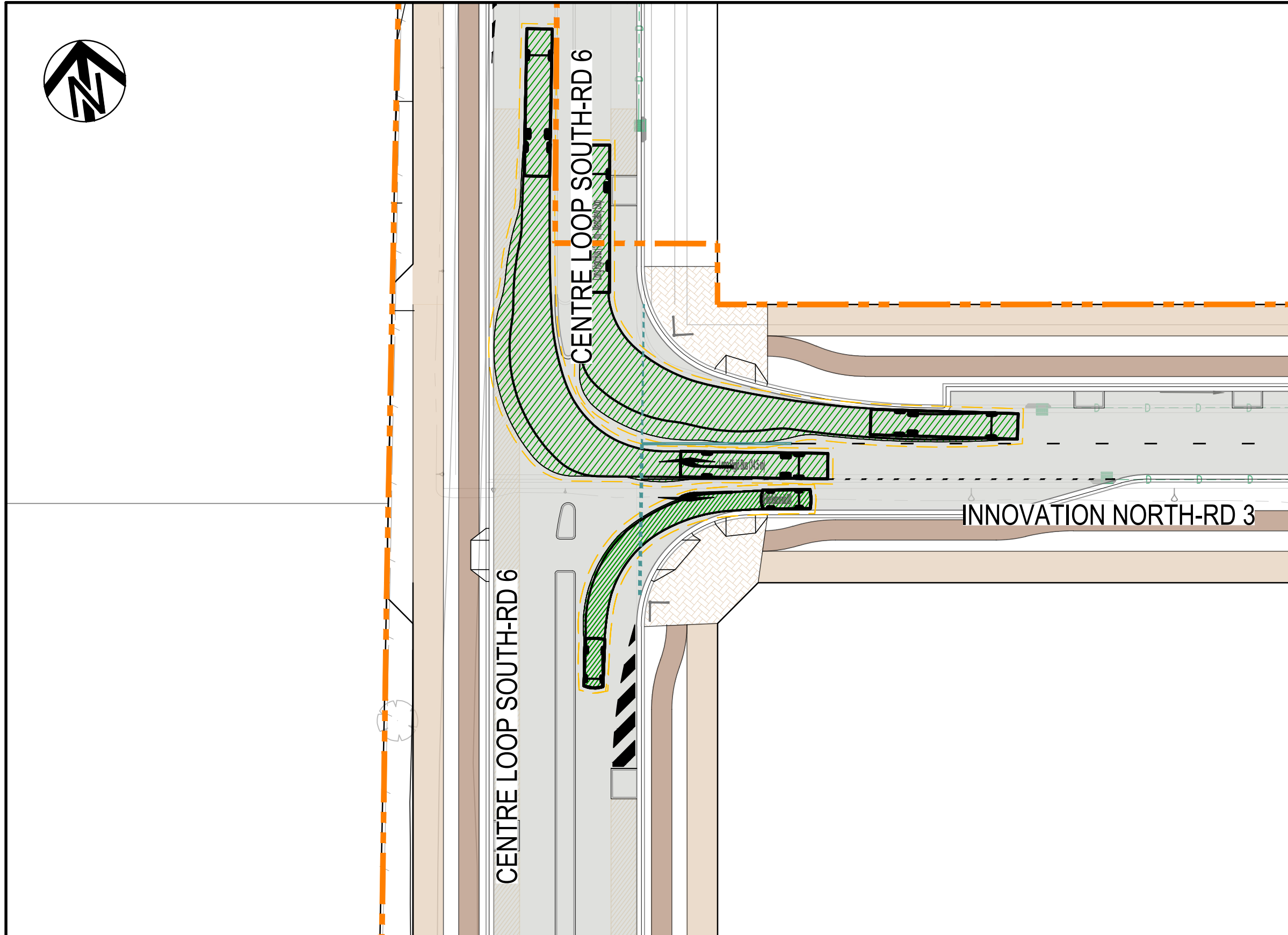
PH +61 2 9900 7100

SMC PROJECT No. 30013454

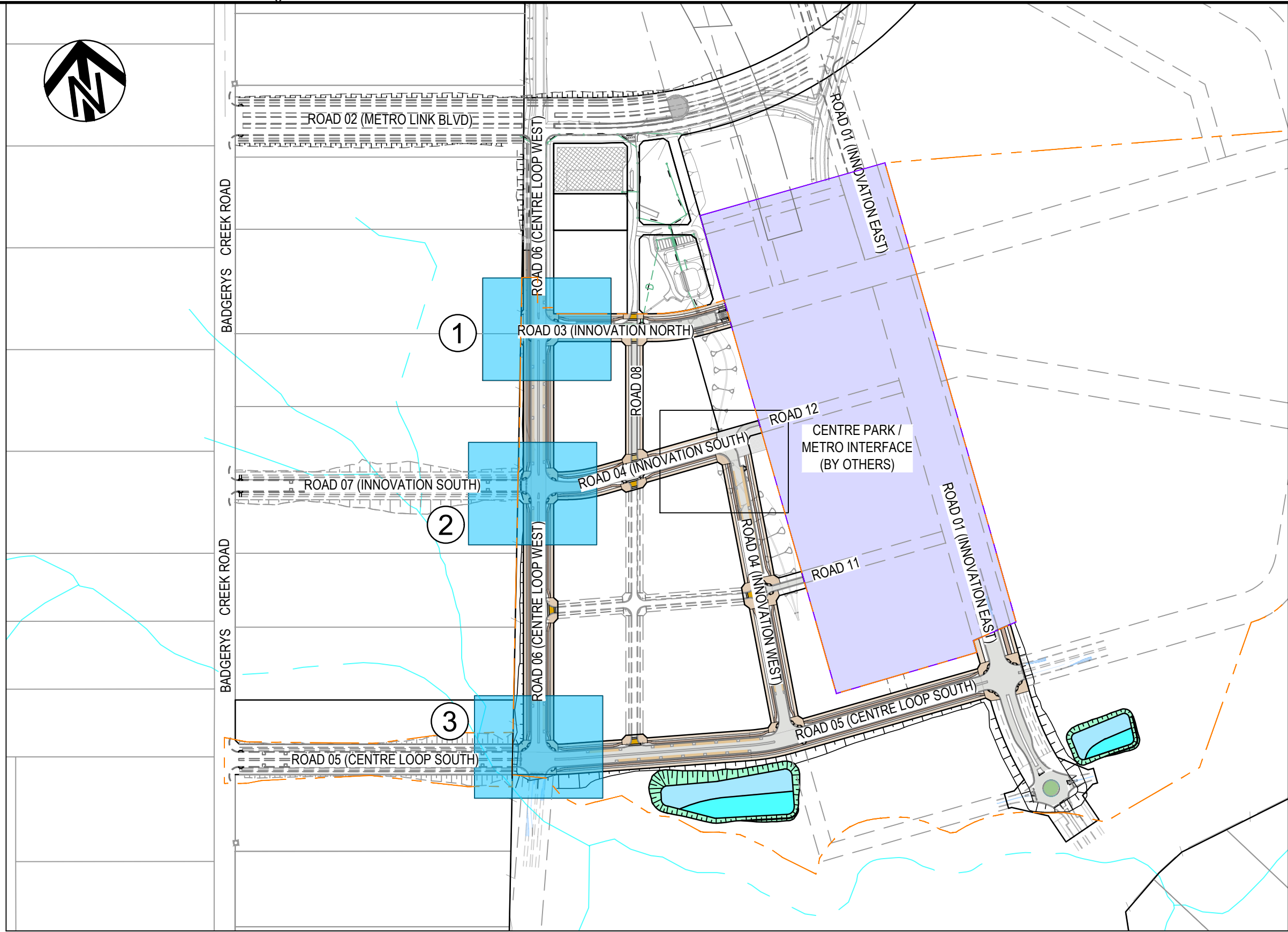
CLIENT

Western Parkland City Authority

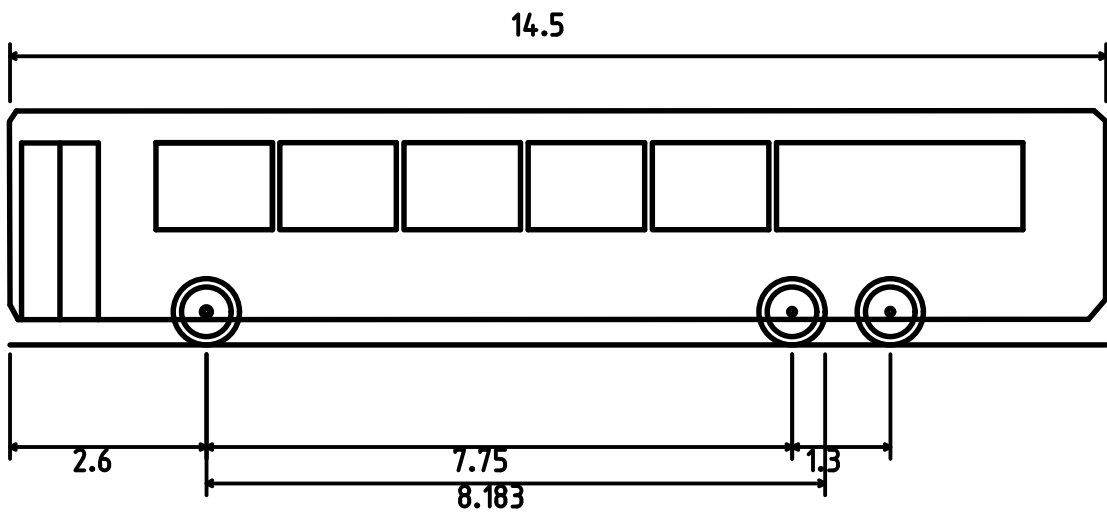
PROJECT TITLE WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A SIGNAGE AND LINE MARKING PLAN			
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF801	REVISION 07



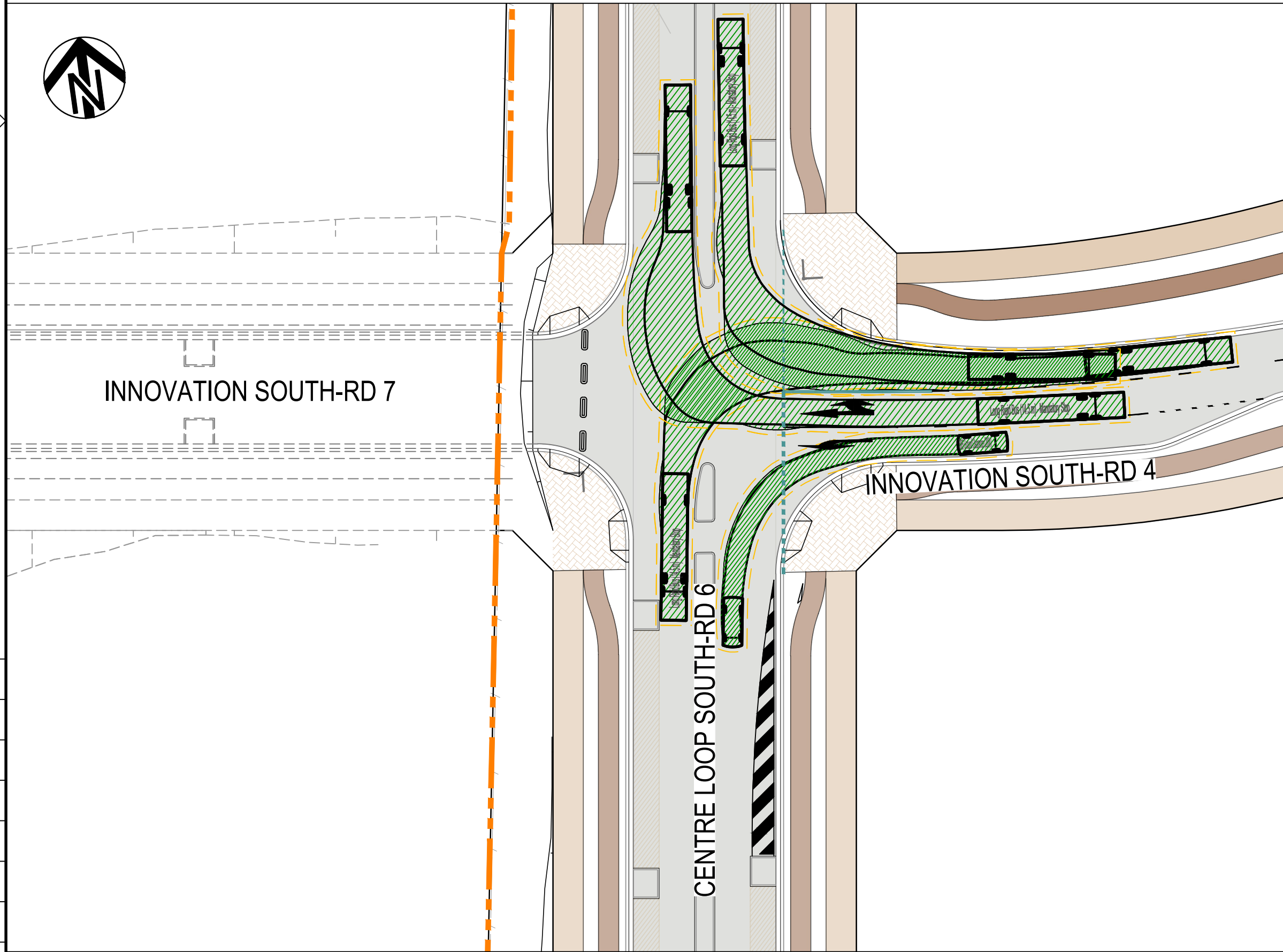
14.5m LONG RIGID BUS TURNING PATH (1)
SCALE 1:400



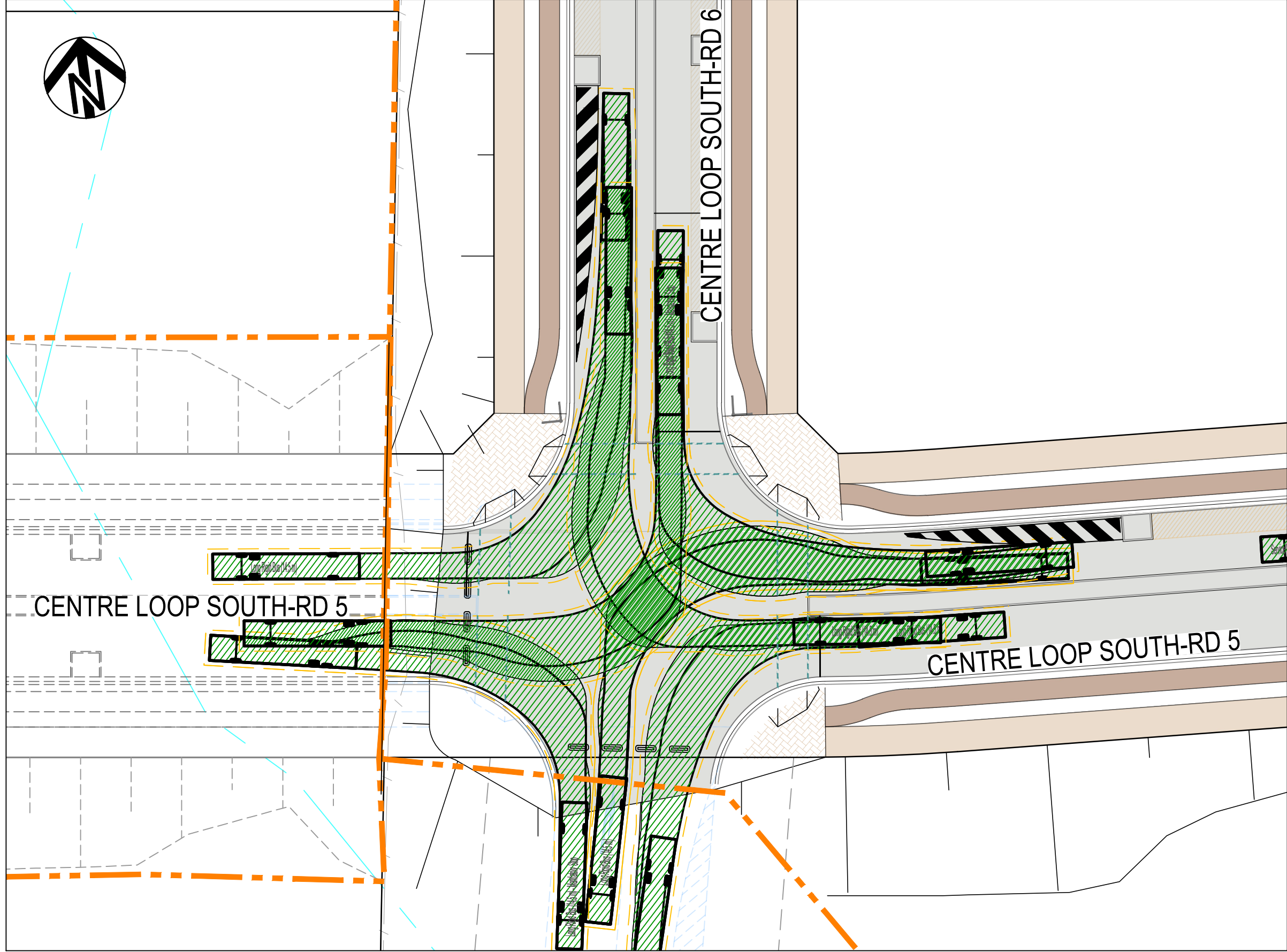
LOCALITY PLAN
SCALE 1:4000



Long Rigid Bus (14.5 m)
Overall Length 14.500m
Overall Width 2.500m
Overall Body Height 3.102m
Min Body Ground Clearance 0.337m
Track Width 2.500m
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 15.000m



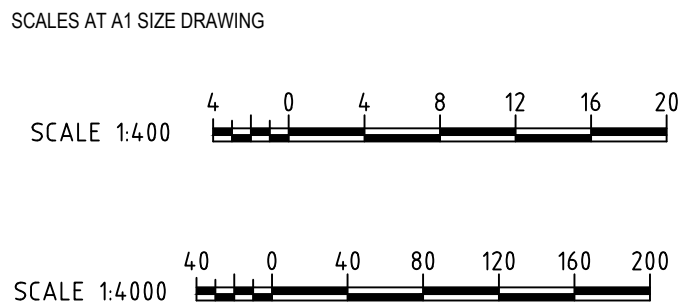
14.5m LONG RIGID BUS TURNING PATH (2)
SCALE 1:400



14.5m LONG RIGID BUS TURNING PATH (3)
SCALE 1:400

- LEGEND
- VEHICLE BODY OUTLINE
 - VEHICLE WHEEL PATH
 - VEHICLE TYPE WITH 500mm CLEARANCE
 - VEHICLE ENVELOPE

DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



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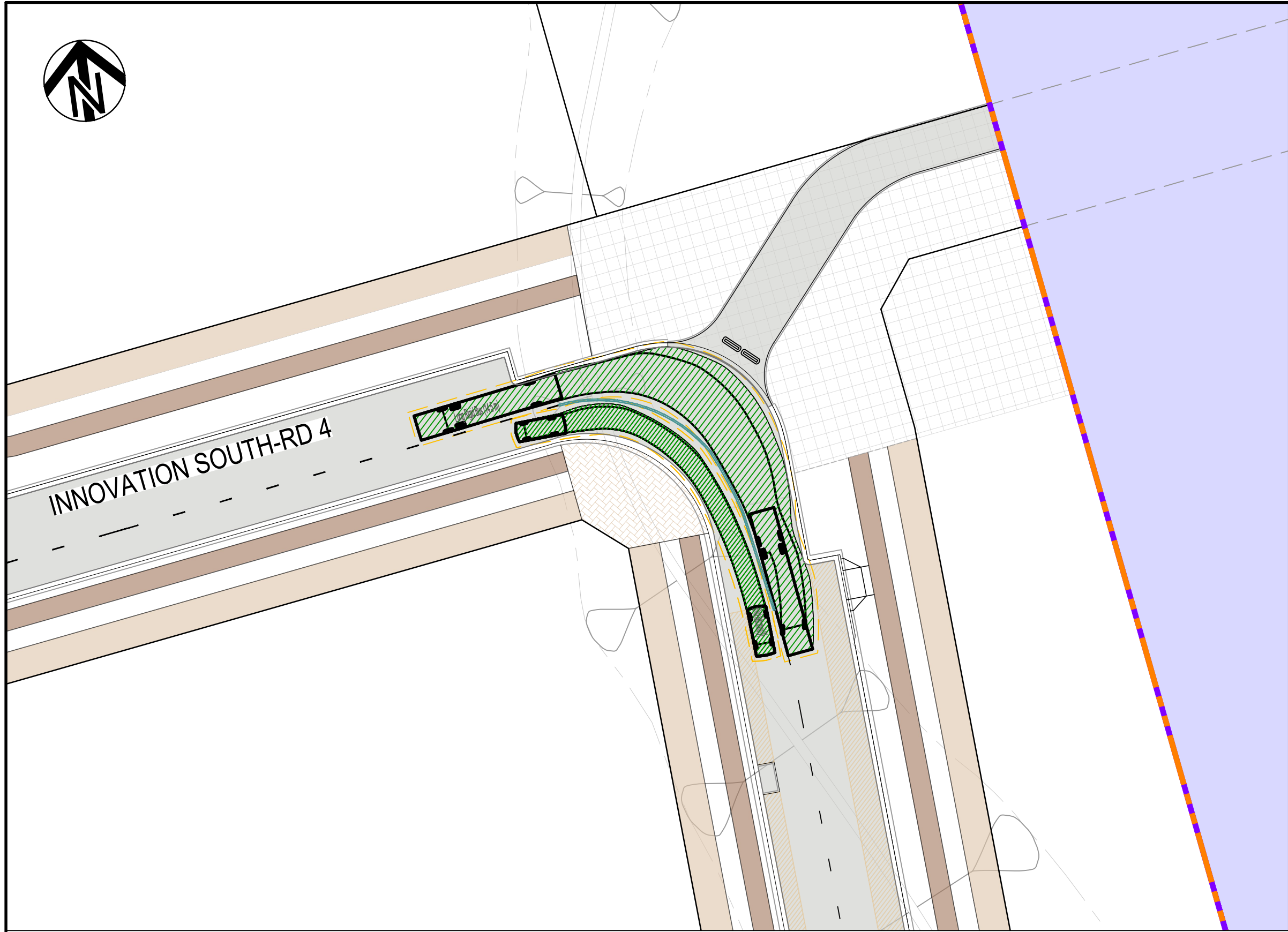
SMC PROJECT No. 30013454

CLIENT

NSW GOVERNMENT

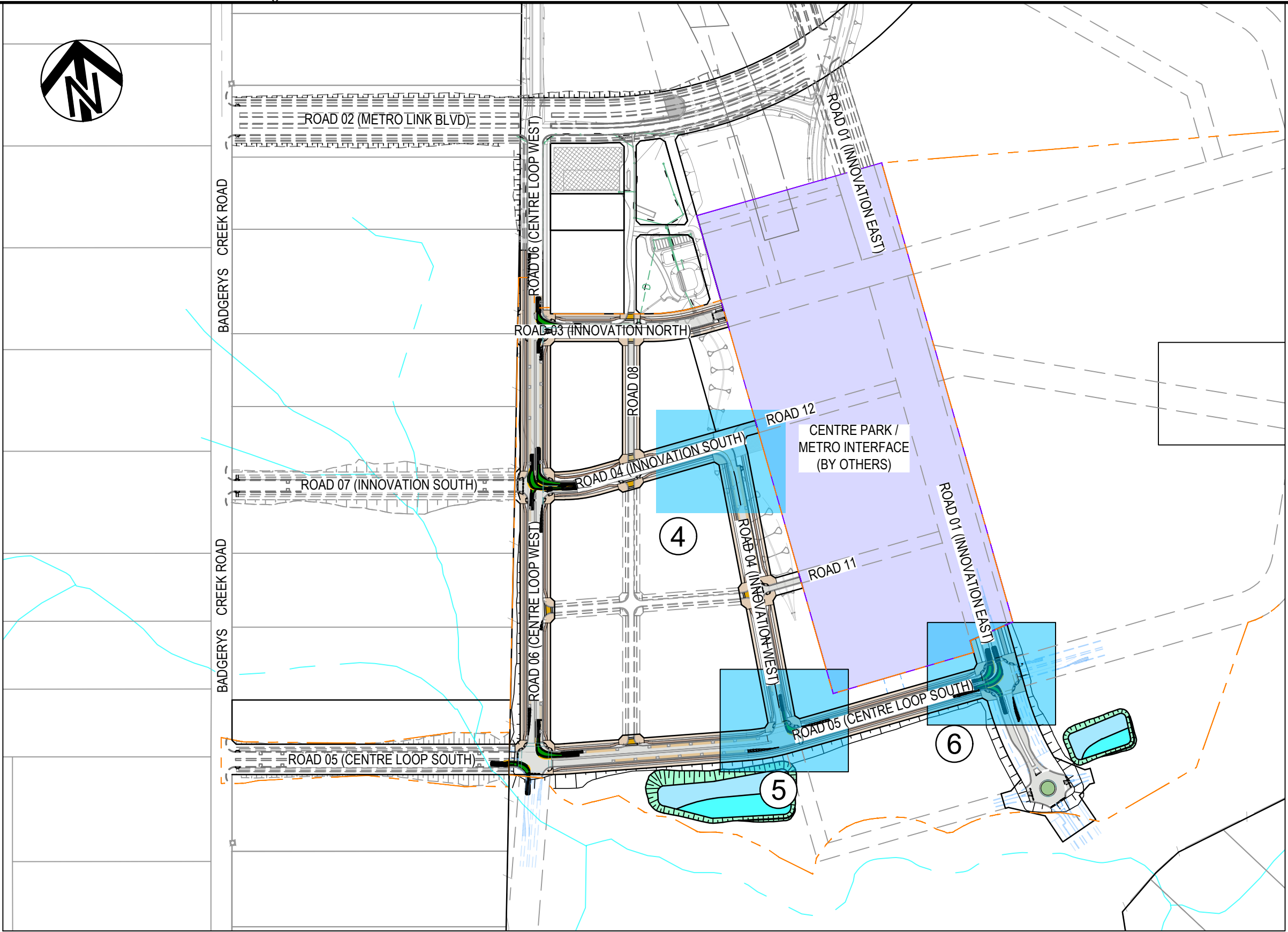
Western Parkland City Authority

PROJECT TITLE			
WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A VEHICLE TURNING PATHS SHEET 1			
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	CONCEPT	30013454.01.REF811	07



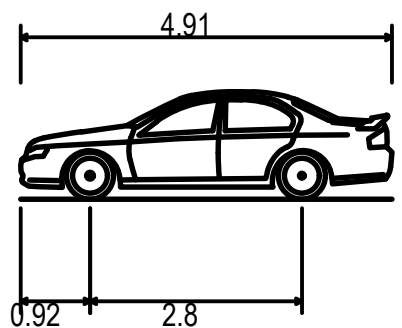
14.5m LONG RIGID BUS PASSING A B85
VEHICLE TURNING PATH (4)

SCALE 1:400

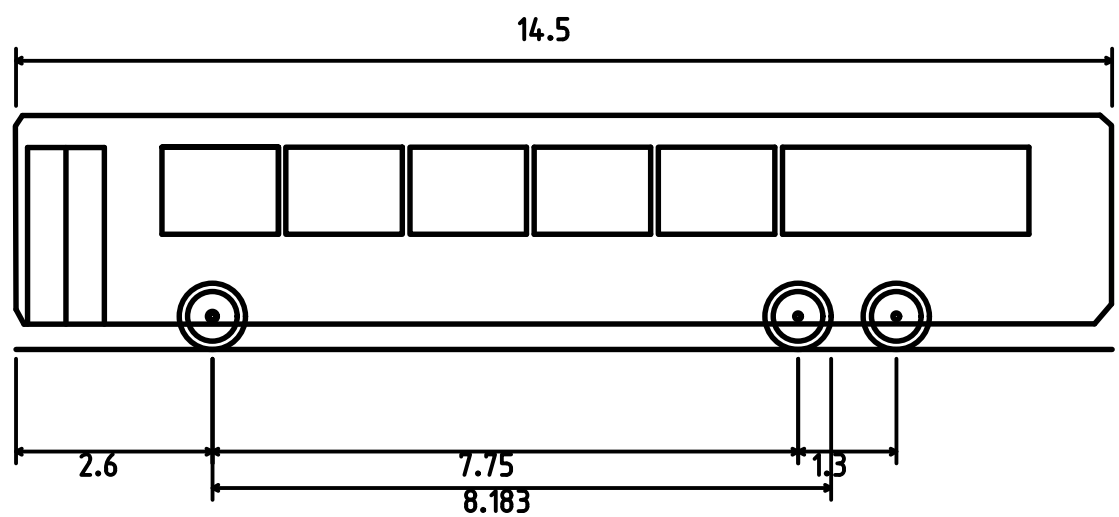


LOCALITY PLAN

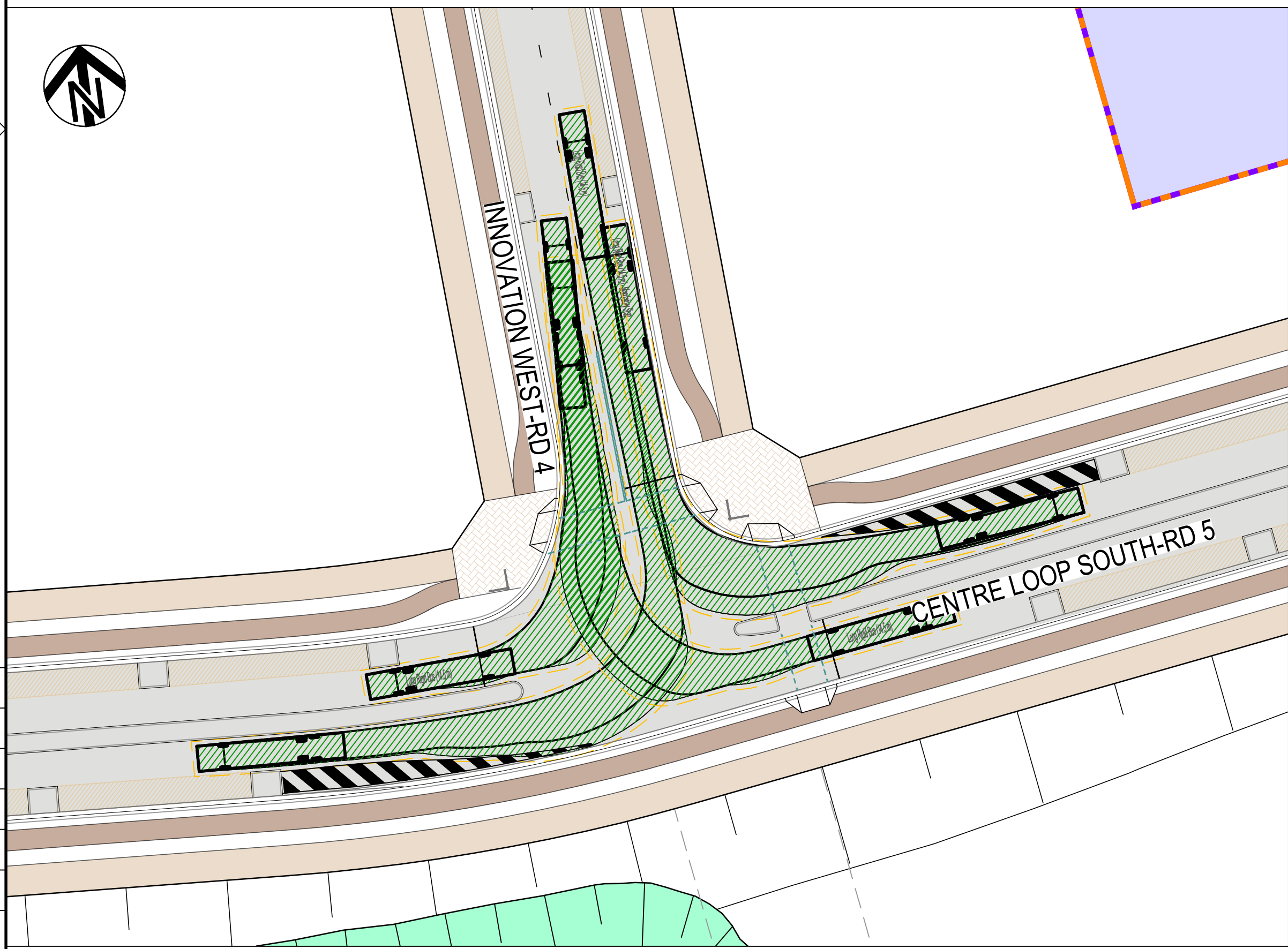
SCALE 1:4000



B85 Vehicle (Realistic min radius) (2004)
Overall Length 4.910m
Overall Width 1.870m
Overall Body Height 1.421m
Min Body Ground Clearance 0.159m
Track Width 1.770m
Lock-to-lock time 4.00s
Kerb to Kerb Turning Radius 5.750m

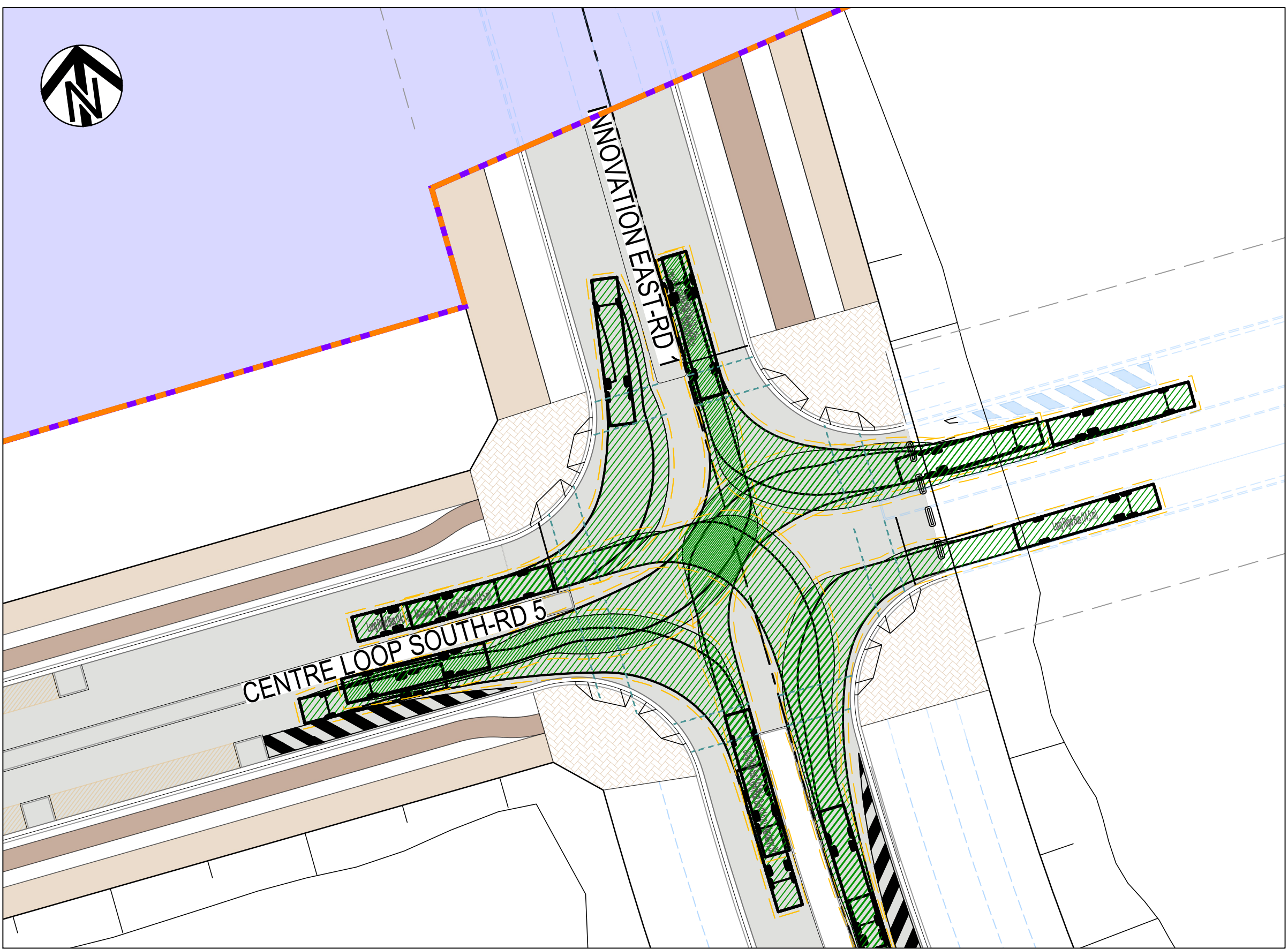


Long Rigid Bus (14.5 m)
Overall Length 14.500m
Overall Width 2.500m
Overall Body Height 3.102m
Min Body Ground Clearance 0.337m
Track Width 2.500m
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 15.000m



14.5m LONG RIGID BUS TURNING PATH (5)

SCALE 1:400

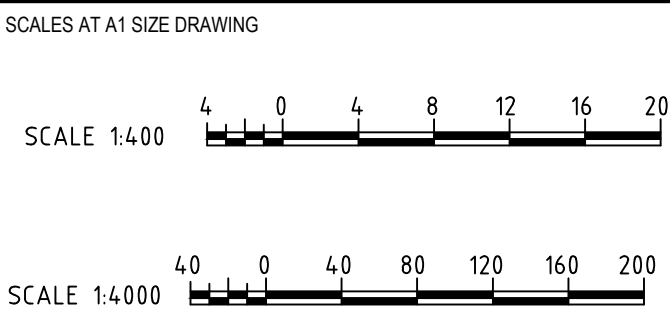


14.5m LONG RIGID BUS TURNING PATH (6)

SCALE 1:400

- LEGEND
- VEHICLE BODY OUTLINE
 - VEHICLE WHEEL PATH
 - VEHICLE TYPE WITH 500mm CLEARANCE
 - VEHICLE ENVELOPE

DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
	04	22.11.2023	ISSUE FOR REF	05	MP	DESIGN CHECK	M. PATEL
	05	08.12.2023	ISSUE FOR REF	07	MP	PROJECT MANAGER	M. PATEL
	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		



DESIGNER

SMC

Member of the Surlana Jurong Group
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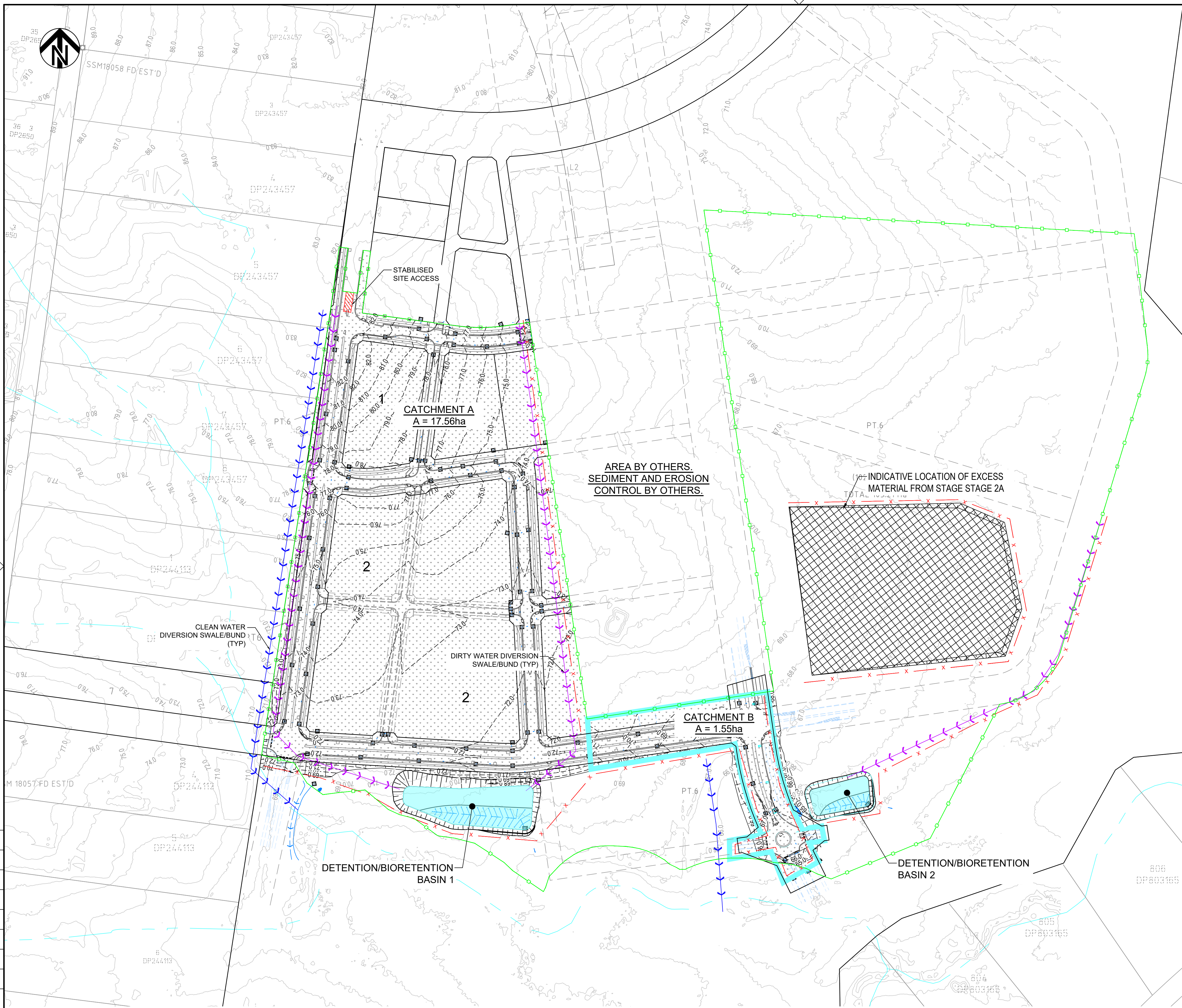
SMC PROJECT No. 30013454

CLIENT

NSW GOVERNMENT

Western Parkland City
Authority

PROJECT TITLE			
WESTERN SYDNEY PARKLAND AUTHORITY BRADFIELD - STAGE 2A VEHICLE TURNING PATHS SHEET 2			
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	CONCEPT	30013454.01.REF812	07



LEGEND

	EXISTING CONTOUR
	DESIGN CONTOUR
	FUTURE LOT
	FUTURE ROAD
	DRAINAGE PIT
	SEDIMENT FENCE (INDICATIVE LOCATION)
	SITE SECURITY FENCE
	TEMPORARY EARTH BANK
	CLEAN WATER DIVERSION SWALE/BUND
	DISTURBED SITE AREA
	SURFACE INLET SEDIMENT TRAP
	STABILISED SITE ACCESS
	TEMPORARY TOPSOIL STOCKPILE AREA
	SEDIMENT CONTROL BASIN

NOTE:

- ALL EXPOSED / DISTURBED AREAS TO BE STABILISED WITH SPRAY GRASS, MULCH OR SIMILAR.
- EXCESS MATERIAL TO BE REMOVED FROM SITE AND NOT STOCKPILED

1. Erosion Hazard and Sediment Basins

Site Name: Bradfield City	
Site Location:	
Precinct/Stage: Stage 2 Enabling works	
Other Details:	
Site area	Sub-catchment or Name of Structure
Total catchment area (ha)	1 2
Disturbed catchment area (ha)	17.56 1.55
Soil analysis (enter sediment type if known, or laboratory particle size data)	
Sediment Type (C, F or D) if known:	D D
% sand (fraction 0.02 to 2.00 mm)	
% silt (fraction 0.002 to 0.02 mm)	
% clay (fraction finer than 0.002 mm)	
Dispersion percentage	
% of whole soil dispersible	
Soil Texture Group	D D
Rainfall data	
Design rainfall depth (no of days)	5 6
Design rainfall depth (percentile)	85 85
x-day, y-percentile rainfall event (mm)	32.2 32.2
Rainfall R-factor (if known)	
IFD, 2-year, 6-hour storm (if known)	7.76 7.76
RUSLE Factors	
Rainfall erosivity (R-factor)	1460 1460
Soil erodibility (K-factor)	0.038 0.038
Slope length (m)	300 190
Slope gradient (%)	2 2
Length/gradient (LS-factor)	0.68 0.57
Erosion control practice (P-factor)	1.3 1.3 1.3 1.3 1.3 1.3
Ground cover (C-factor)	1 1 1 1 1 1
Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)	
Storage (soil) zone design (no of months)	2 2 2 2 2 2
Cv (Volumetric runoff coefficient)	0.51 0.51 0.51
Calculations and Type D/F Sediment Basin Volumes	
Soil loss (t/ha/yr)	49 41
Soil Loss Class	1 1
Soil loss (m ³ /ha/yr)	38 32
Sediment basin storage (soil) volume (m ³)	111 8
Sediment basin settling (water) volume (m ³)	2884 255
Sediment basin total volume (m ³)	2995 263

NB for sizing of Type C (coarse) sediment basins, see Worksheet 3 (if required).

DRAWING FILE LOCATION / NAME
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	02	27.09.2023	Stage 2 - REF 2(a) ISSUE	03	MP	DRAFTING CHECK	D. THAPA
	03	27.10.2023	ISSUE FOR REF	04	MP	DESIGNER	A. ESTEPHEN
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	06	13.02.2024	ISSUE FOR REF	12	MP	PROJECT DIRECTOR	D. FAVOTTO
	07	22.04.2024	ISSUE FOR REF	15	MP		

SCALES AT A1 SIZE DRAWING

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DESIGNER

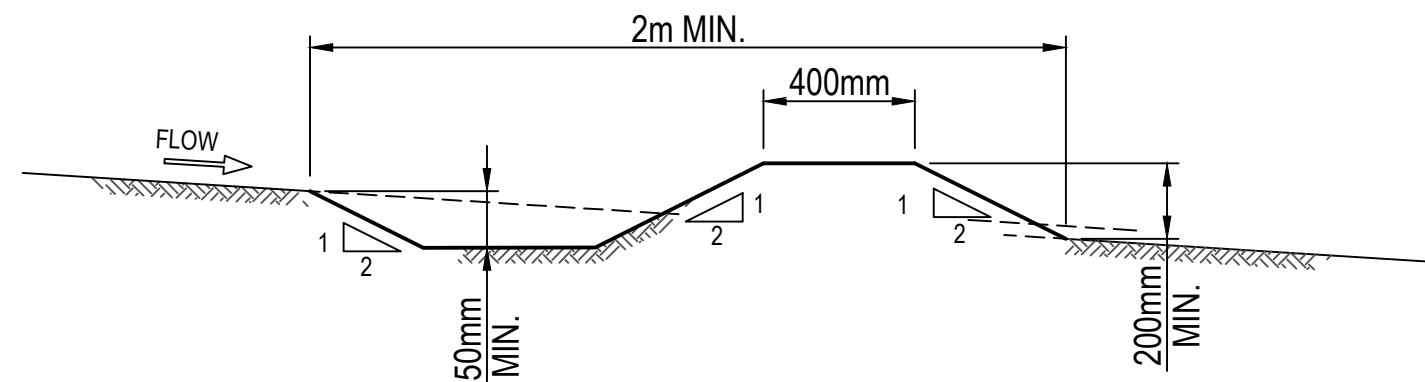
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SMC PROJECT No. 30013454

CLIENT

NSW GOVERNMENT
 Western Parkland City Authority

PROJECT TITLE
WESTERN SYDNEY PARKLAND AUTHORITY
BRADFIELD - STAGE 2A
SOIL & WATER
MANAGEMENT
PLAN

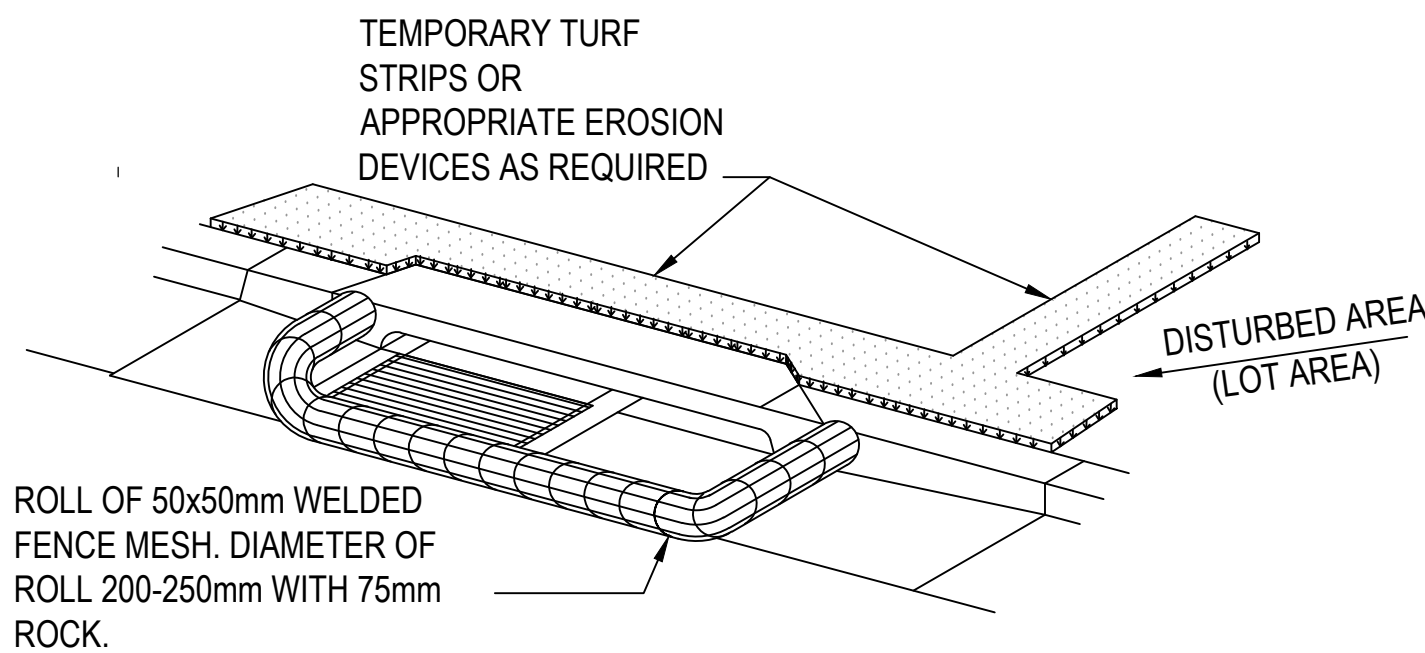
SCALE AS NOTED	PHASE CONCEPT	PROJECT / DRAWING No. 30013454.01.REF851	REVISION 07
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EARTH BANK (LOW FLOW)
SCALE N.T.S

CONSTRUCTION NOTES:

- BUILD WITH GRADIENTS BETWEEN 1% - 5%.
- AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
- ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- BUILD THE DRAINS WITH CIRCULAR, PARABOLOIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V-SHAPED.
- ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.



PLAN OF KERB INLET SEDIMENT TRAP
SCALE N.T.S

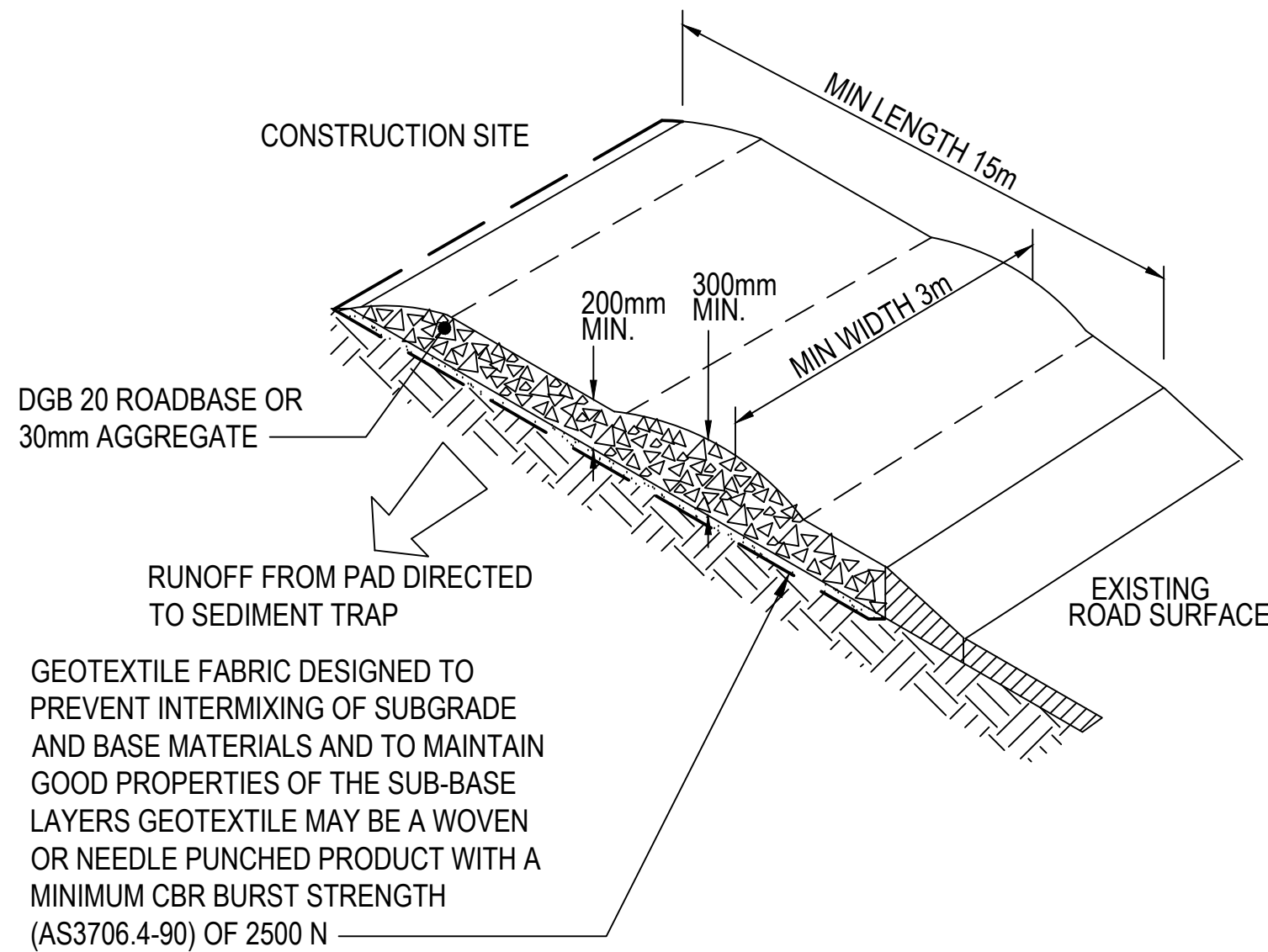
SEDIMENT & EROSION CONTROL

GENERAL NOTES:

- THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE RELATED CATCHMENT AREA AND TO THE STANDARDS OF THE N.S.W DEPARTMENT OF HOUSING MANAGING URBAN STORMWATER 'SOILS AND CONSTRUCTION 4TH EDITION MARCH 2004.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS AS SHOWN ON PLANS. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY. (I.E. ALL FOOTPATHS, TOPSOIL SHALL NOT BE RESPREAD ON ANY OTHER AREAS UNLESS BATTERS) SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF STOCKPILES ARE TO REMAIN FOR LONGER THAN 14 DAYS STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESSARY, BY LOCATING BANKS OR DRAINS UPSLOPE TO DIVERT THE RUNOFF AROUND THEM. IN SOME CIRCUMSTANCES IT MAY BE NECESSARY TO PLACE BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SEDIMENT LADEN RUNOFF.
- THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE NO MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. NO SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
- THE CONTRACTOR SHALL PROVIDE SAND BAGS OR SEDIMENT TRAPS AT 20m CTS ACROSS EACH ROAD GUTTER AS AT COMPLETION OF FOOTPATH FORMATION TO AVOID SEDIMENT LOSS FROM THE ROAD & FOOTPATH AREAS.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS.
- WHEN ANY DEVICES ARE TO BE HANDED OVER TO ROAD & DRAINAGE CONTRACTORS THEY SHALL BE IN A CLEAN AND STABLE CONDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL REVEGETATED AREAS, INCLUDING WATERING UNTIL FINAL COMPLETION OF WORKS.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.
- THE CONTRACTOR MUST COMMENCE REHABILITATION WITHIN A REASONABLE TIME OF ANY SITE REGRADING AND BATTER FORMATION.

WASTE CONTROL:

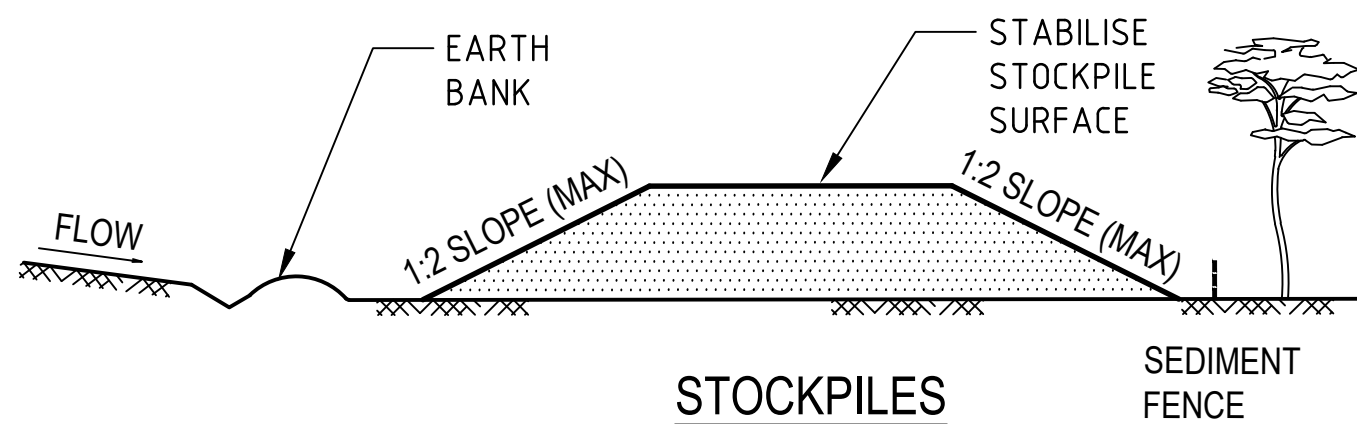
- THE CONTRACTOR TO BE RESPONSIBLE FOR WASTE DISPOSAL ON SITE.
- ALL BUILDING PRODUCTS & CLEARED VEGETATION TO BE REMOVED OFF SITE IN AN APPROVED MANNER TO LICENSED LAND FILL SITE.
- EQUIPMENT MAINTENANCE & REFUELLING OF CONSTRUCTION VEHICLES TO BE DONE IN A DESIGNATED AREA USING BUNDING AND BEST PRACTICE MANAGEMENT CONTROLS FOR REFUELLING.
- ALL SPILLS TO BE CLEARED UP IMMEDIATELY.



STABILISED SITE ACCESS
N.T.S.

CONSTRUCTION NOTES:

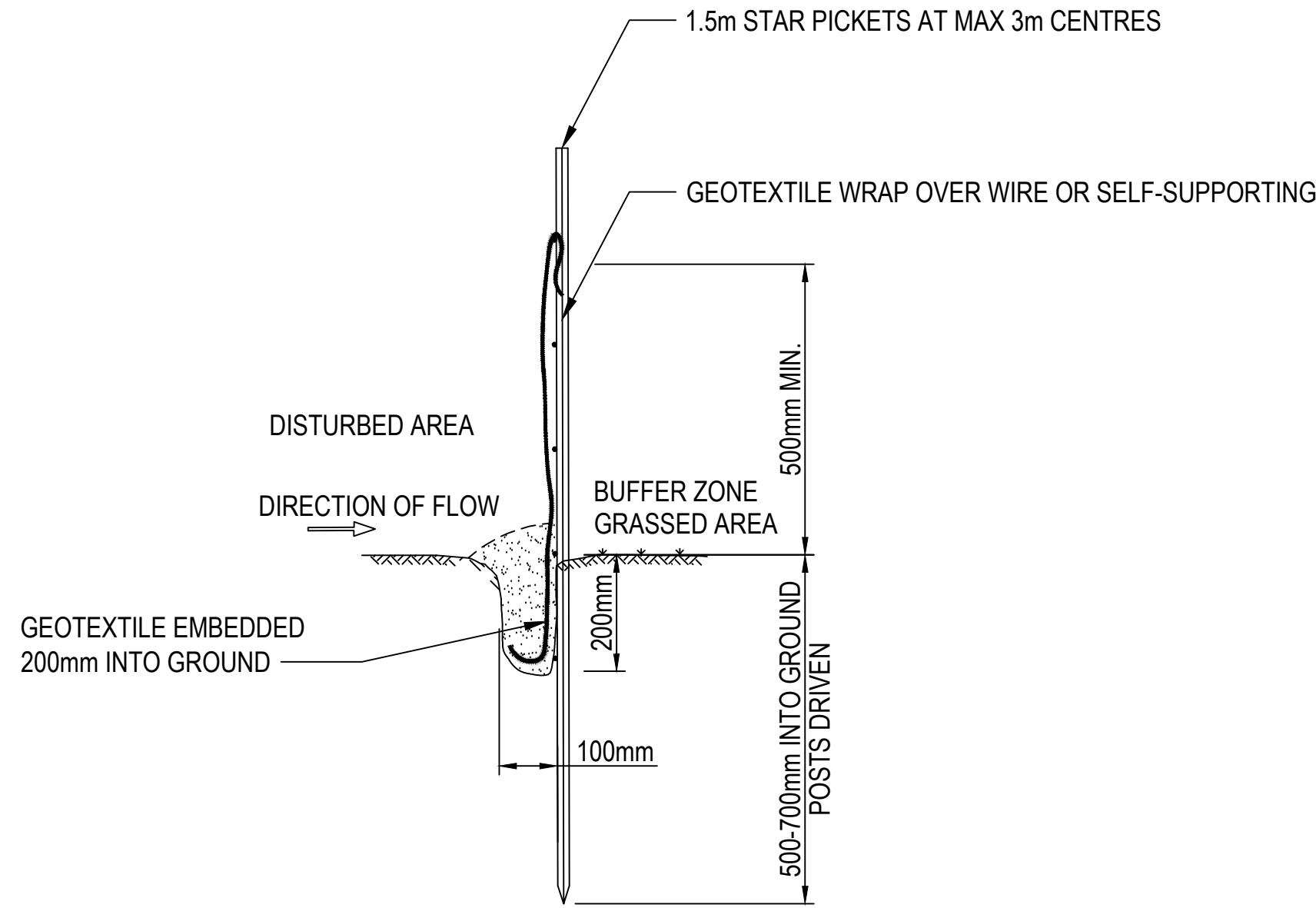
- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
- CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.



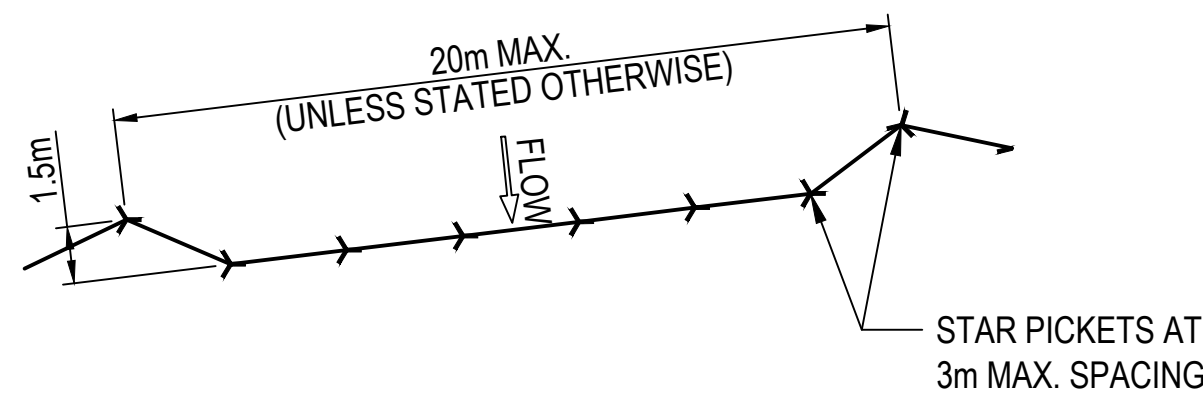
STOCKPILES
SCALE N.T.S

CONSTRUCTION NOTES:

- PLACE STOCKPILES MORE THEN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- WHERE THEY ARE ABLE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- CONSTRUCT EARTHBANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES ANS SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.



SEDIMENT FENCE
SCALE N.T.S



CONSTRUCTION NOTES:

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10 YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5 METRE LONG STAR PICKETS INTO THE GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN THE SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



DRAWING FILE LOCATION / NAME
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26/04/2024

TIME
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EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
	01	25.08.2023	REF1 ISSUE FOR CLIENT REVIEW	02	MP	DRAFTER	M. ALIMARDANI
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	07	22.04.2024	ISSUE FOR REF	15	MP		

SCALES AT A1 SIZE DRAWING

DESIGNER



CLIENT



Western Parkland City
Authority

PROJECT TITLE
WESTERN SYDNEY PARKLAND AUTHORITY
BRADFIELD - STAGE 2A
SOIL & WATER
MANAGEMENT DETAILS

SCALE
AS NOTED

PHASE
CONCEPT

PROJECT / DRAWING No.
30013454.01.REF861

REVISION
07